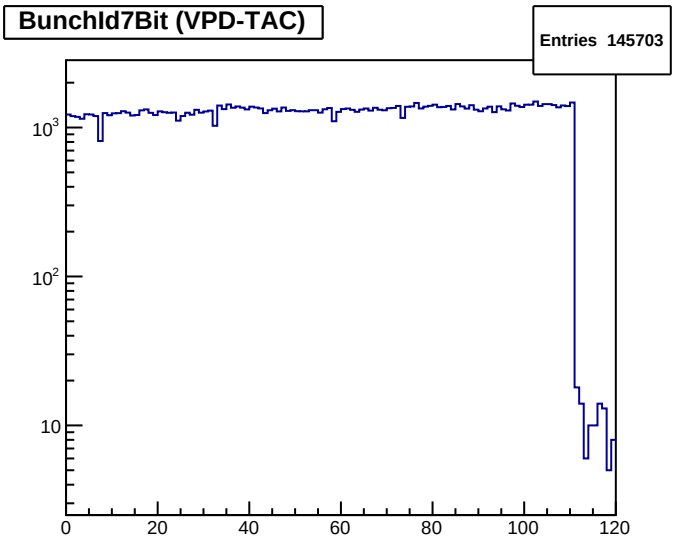
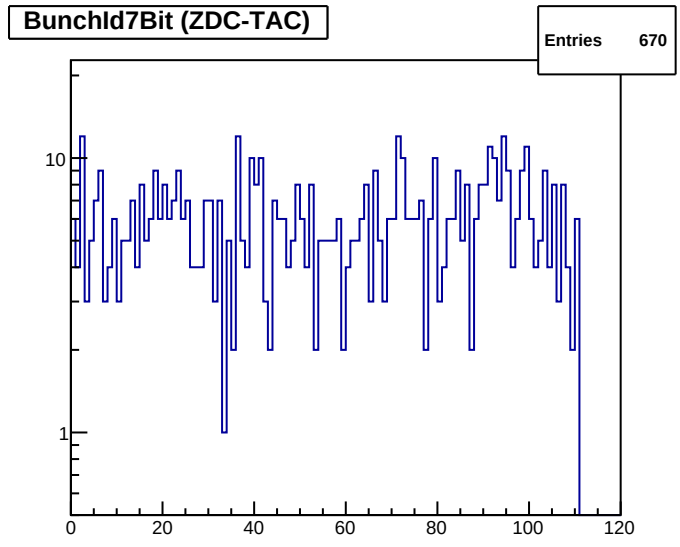
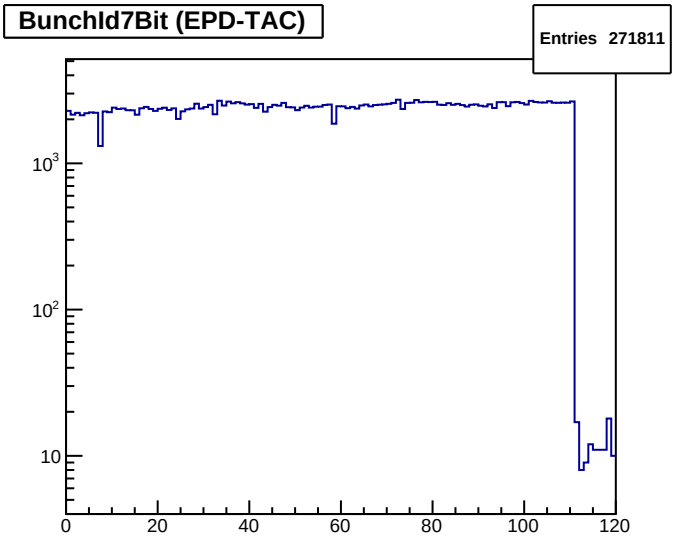
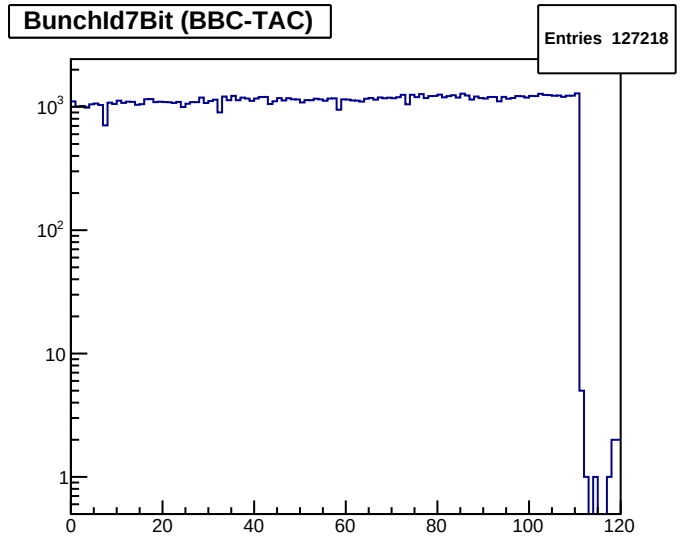
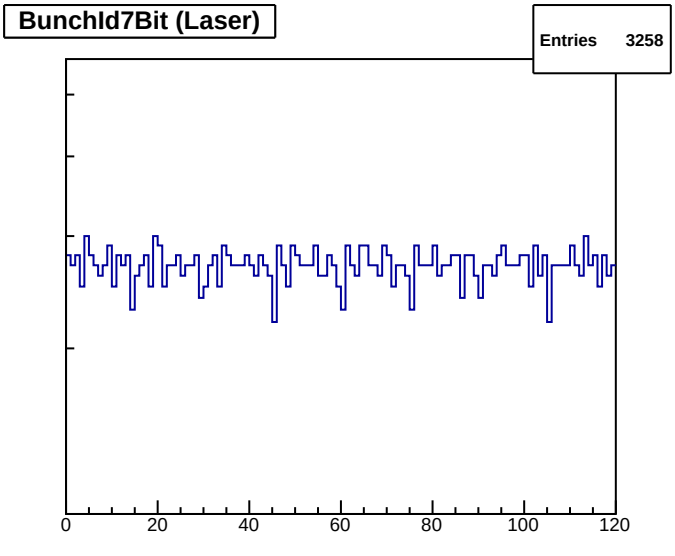
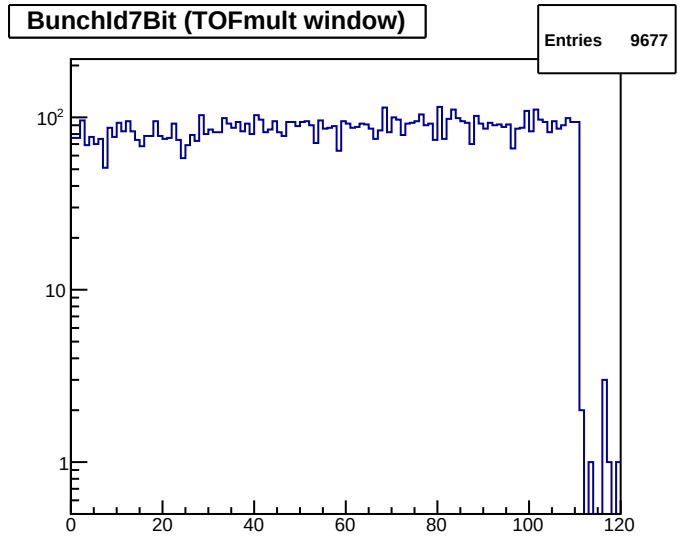

BunchId7Bit (VPD-TAC)
Entries 145703
10^3
10^2
10
0 20 40 60 80 100 120

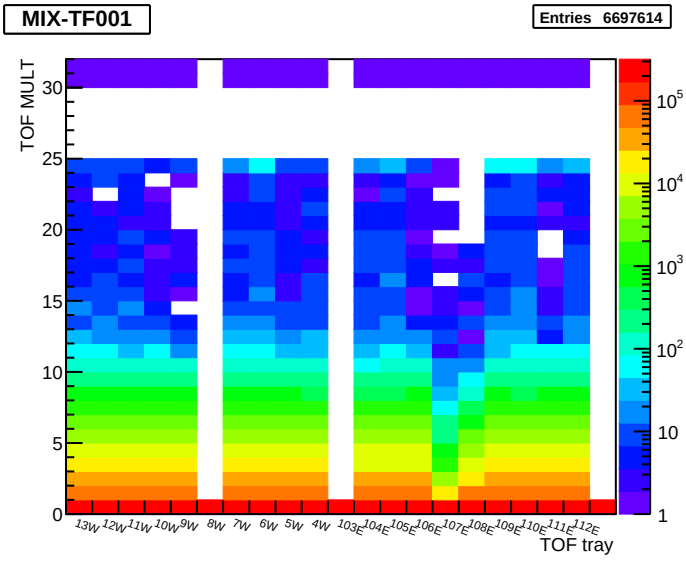

BunchId7Bit (ZDC-TAC)
Entries 670
10
1
0 20 40 60 80 100 120

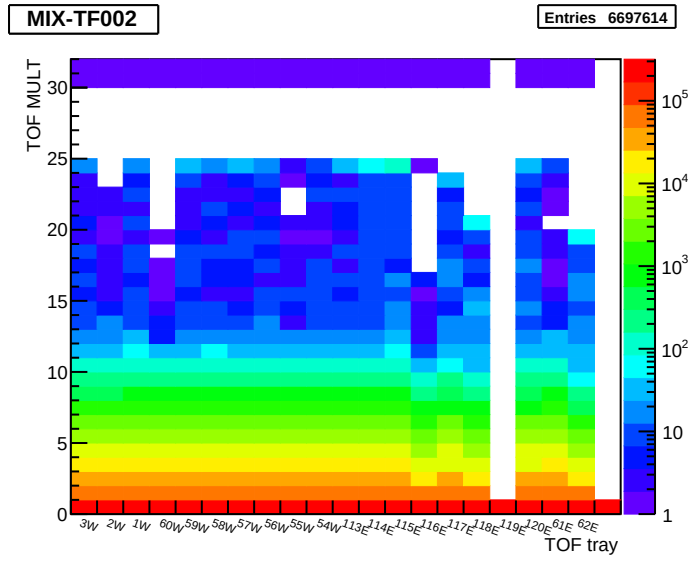

BunchId7Bit (EPD-TAC)
Entries 271811
10^3
10^2
10
0 20 40 60 80 100 120

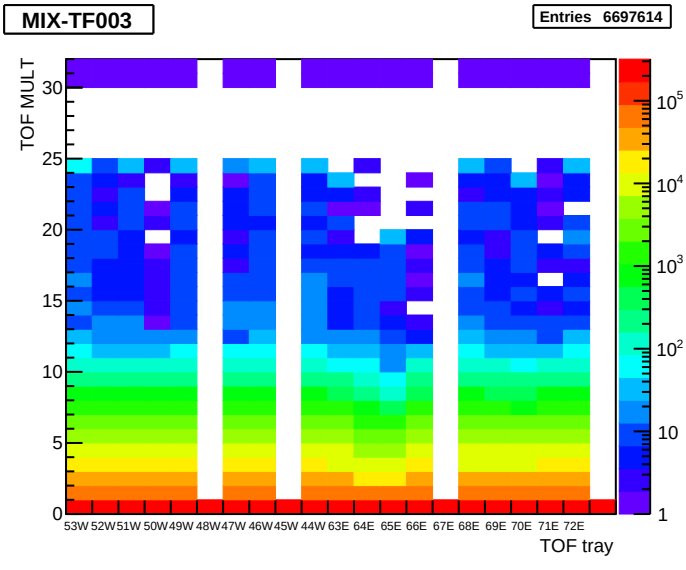

BunchId7Bit (BBC-TAC)
Entries 127218
10^3
10^2
10
1
0 20 40 60 80 100 120

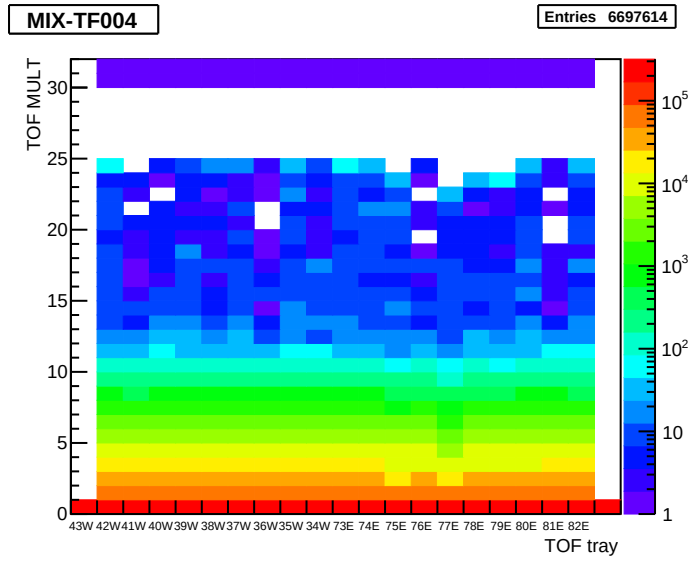

BunchId7Bit (Laser)
Entries 3258
0 20 40 60 80 100 120

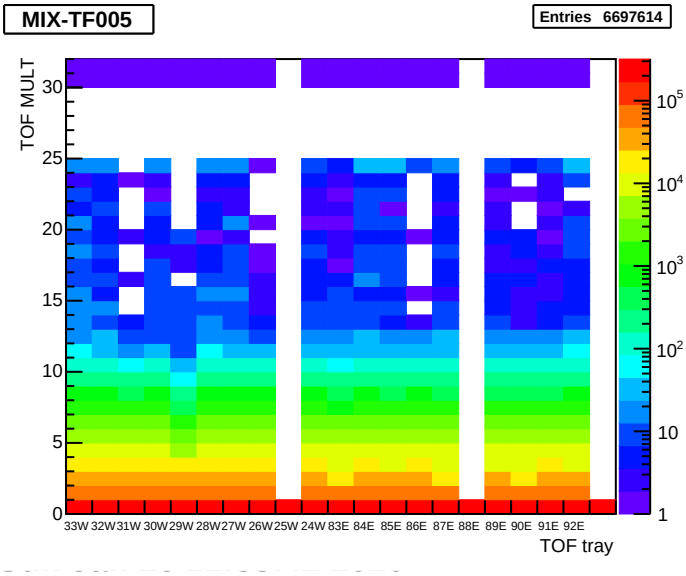

BunchId7Bit (TOFmult window)
Entries 9677
10^2
10
1
0 20 40 60 80 100 120

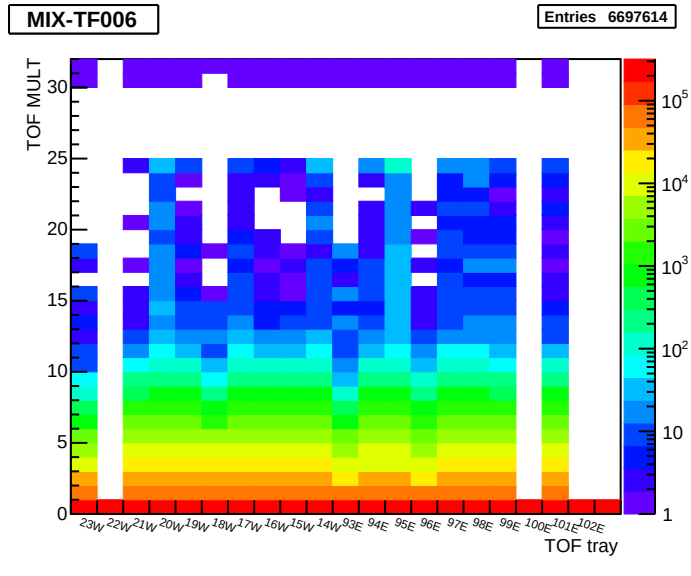

MIX-TF001
Entries 6697614
TOF MULT
TOF tray

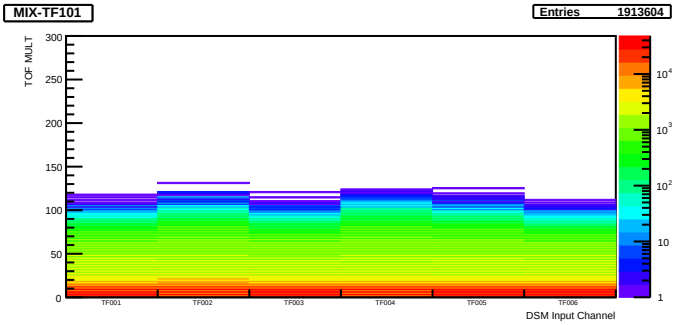

MIX-TF002
Entries 6697614
TOF MULT
TOF tray

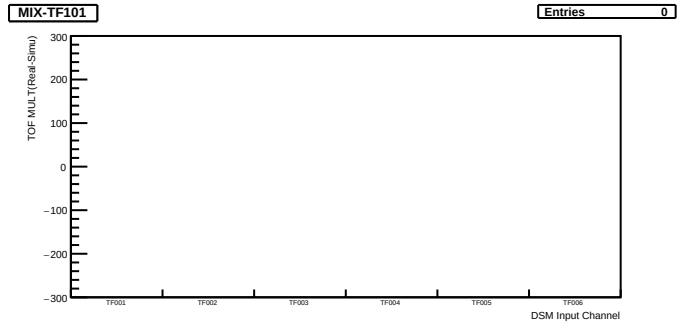

MIX-TF003
Entries 6697614
TOF MULT
TOF tray

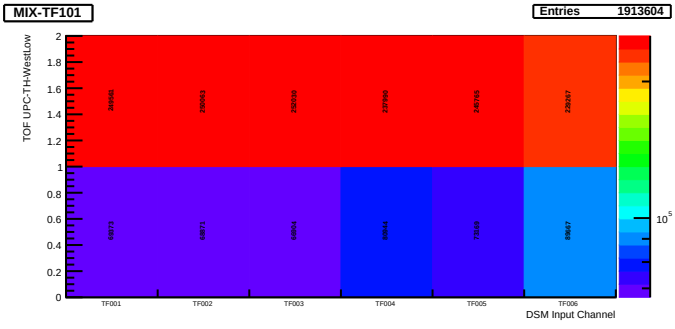

MIX-TF004
Entries 6697614
TOF MULT
TOF tray

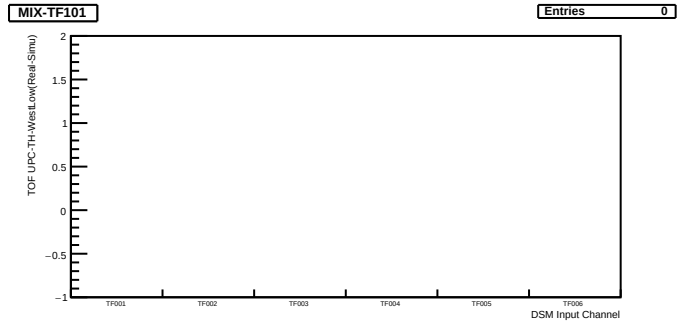

MIX-TF005
Entries 6697614
TOF MULT
TOF tray

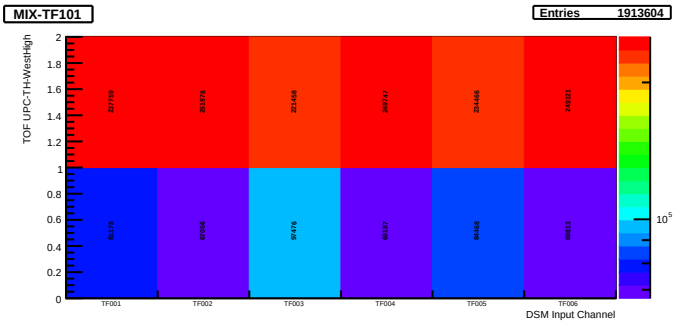

MIX-TF006
Entries 6697614
TOF MULT
TOF tray

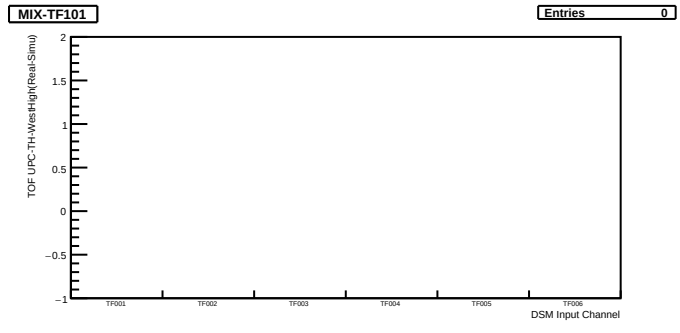

MIX-TF101
Entries 1913604
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

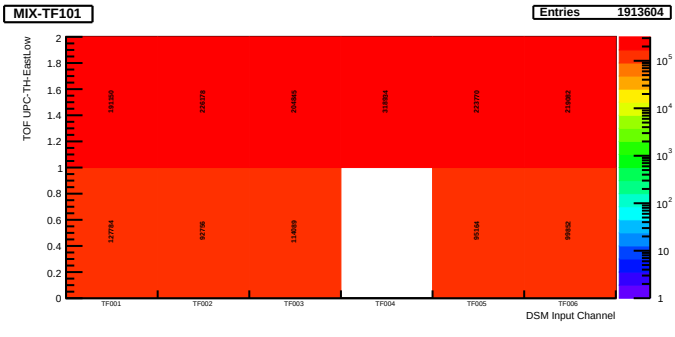

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

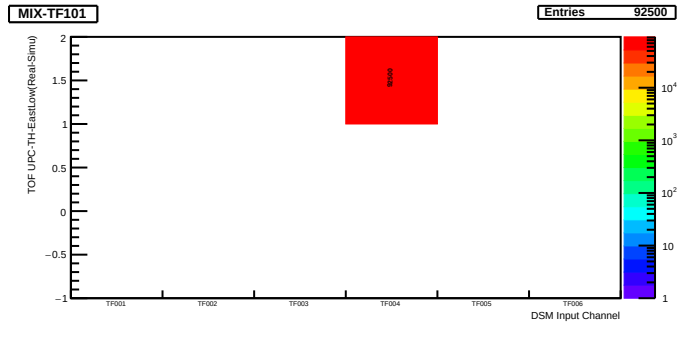

MIX-TF101
Entries 1913604
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

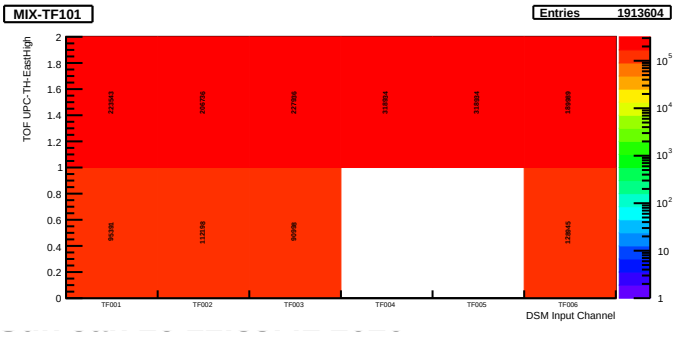

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

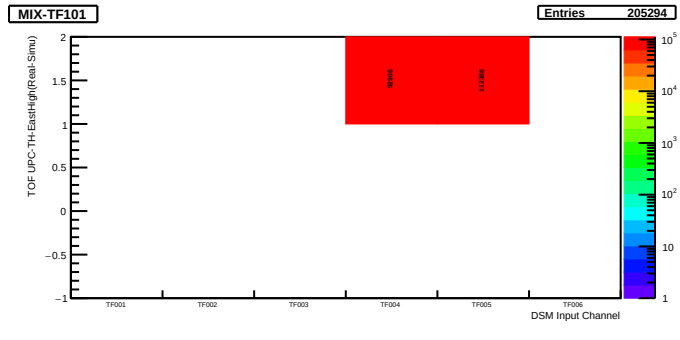

MIX-TF101
Entries 1913604
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

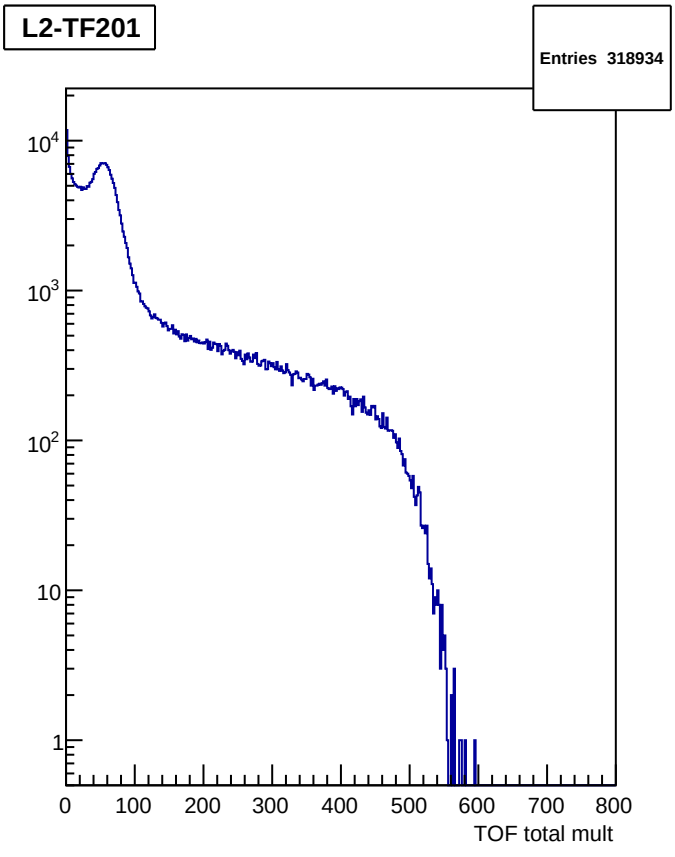

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

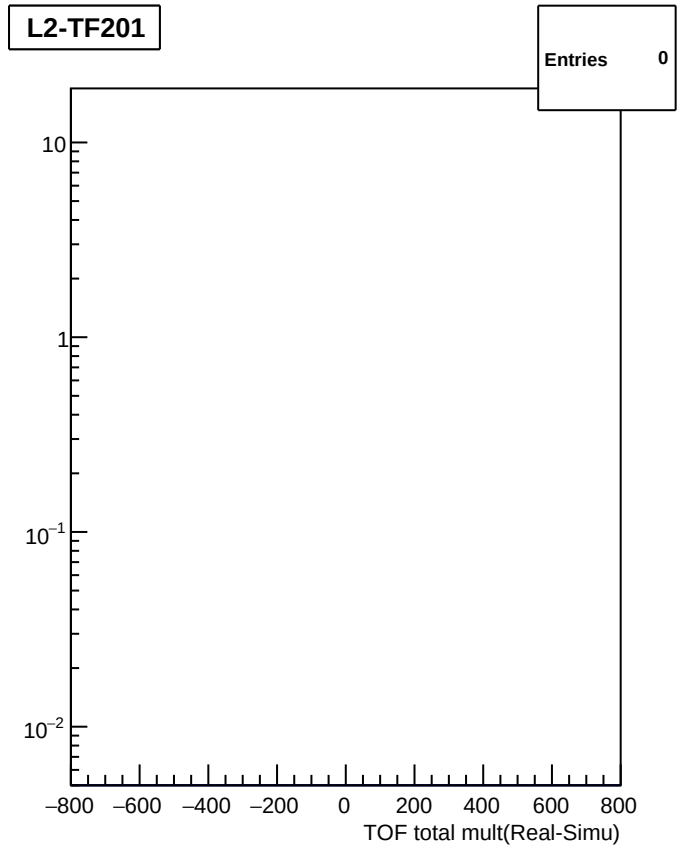

MIX-TF101
Entries 1913604
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

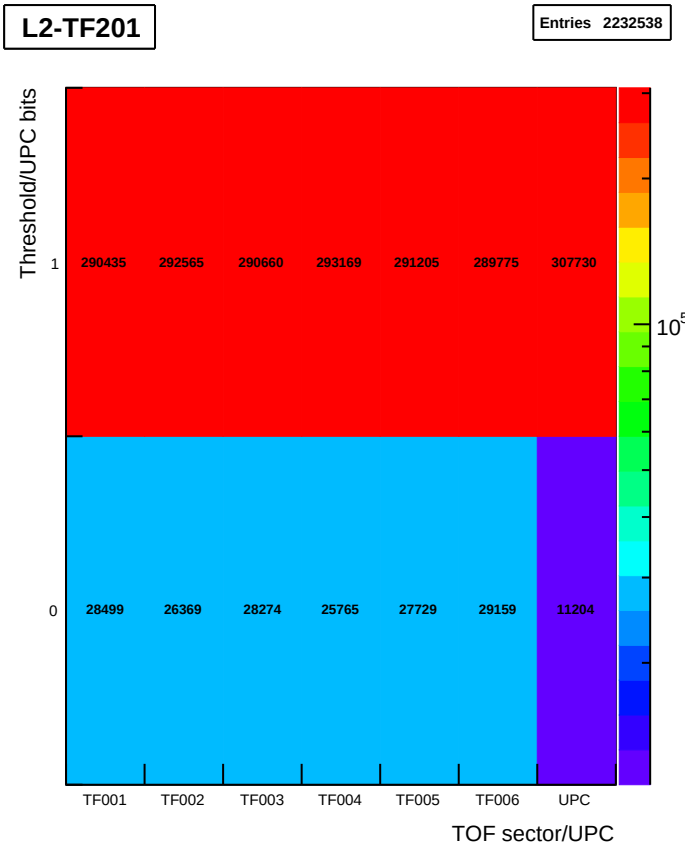

MIX-TF101
Entries 92500
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

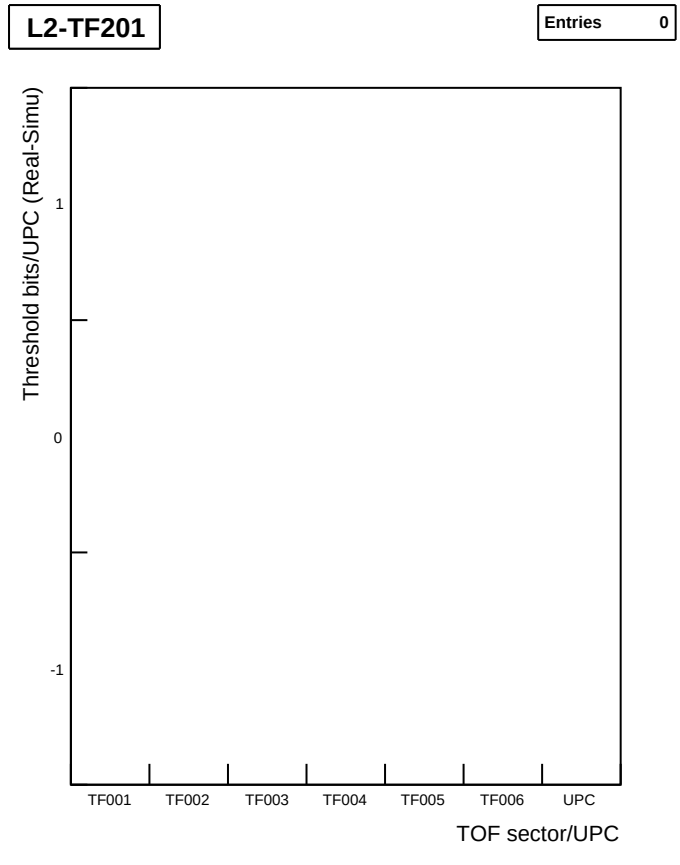

MIX-TF101
Entries 1913604
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

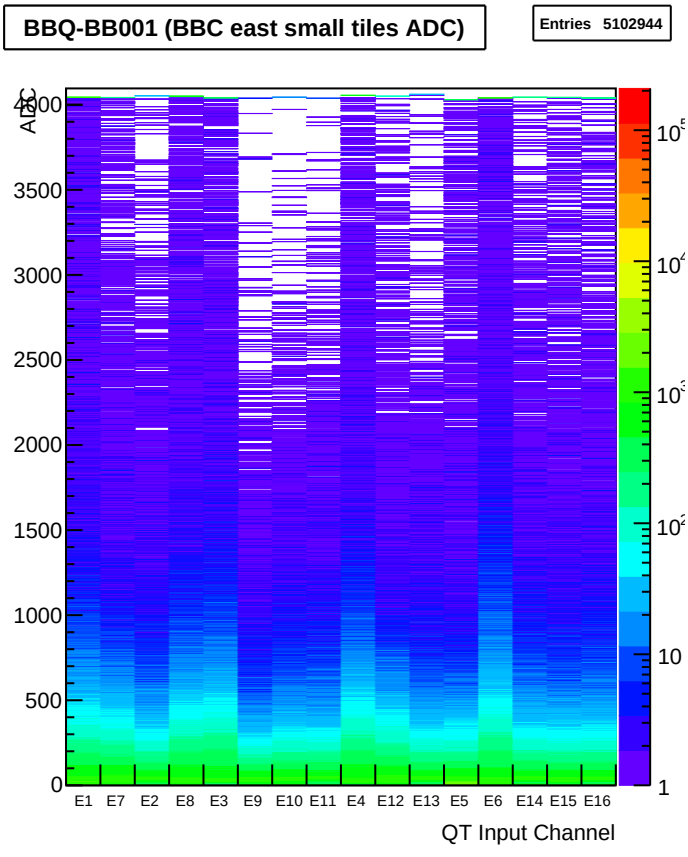

MIX-TF101
Entries 205294
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

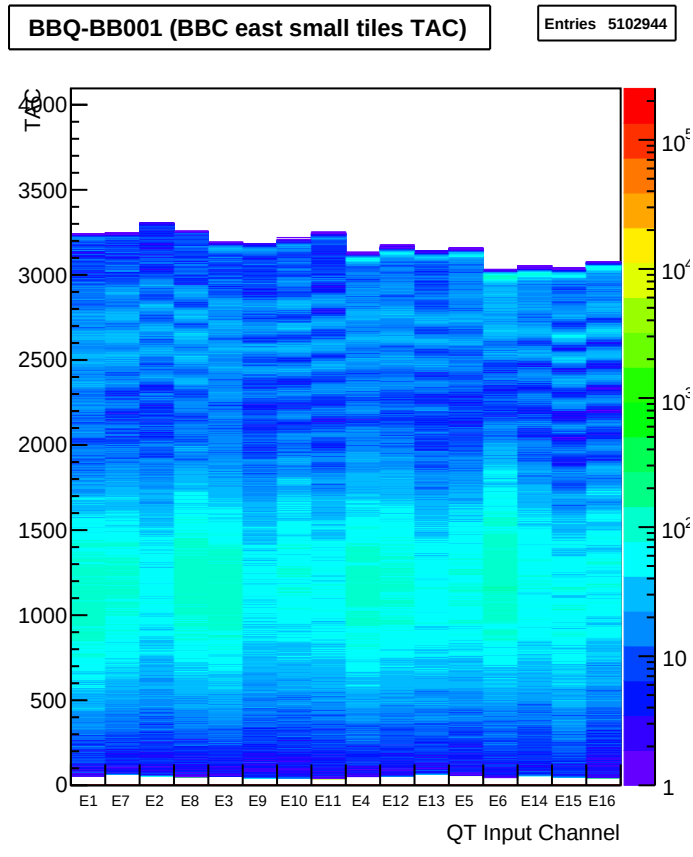

L2-TF201
Entries 318934
TOF total mult

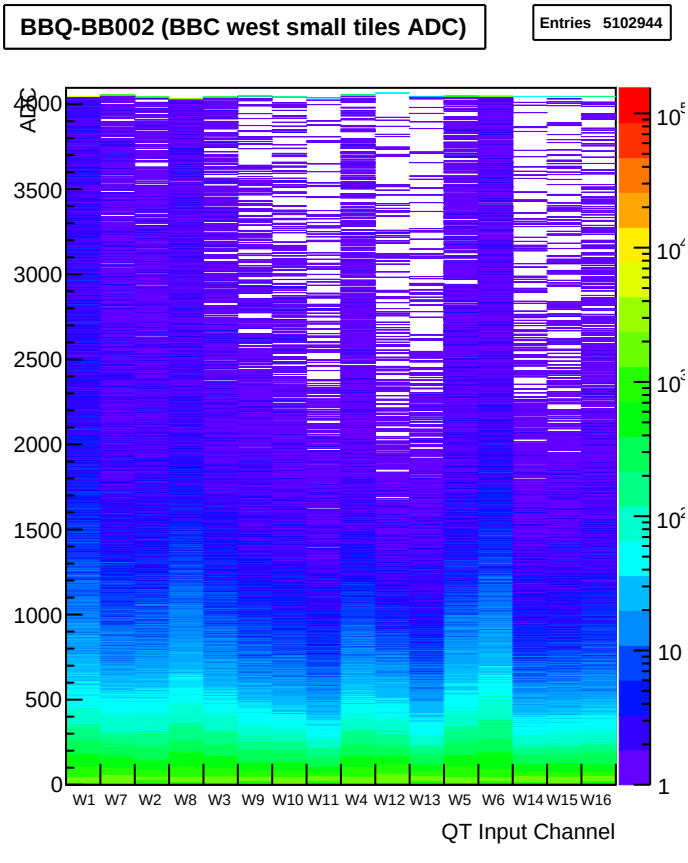

L2-TF201
Entries 0
TOF total mult(Real-Simu)

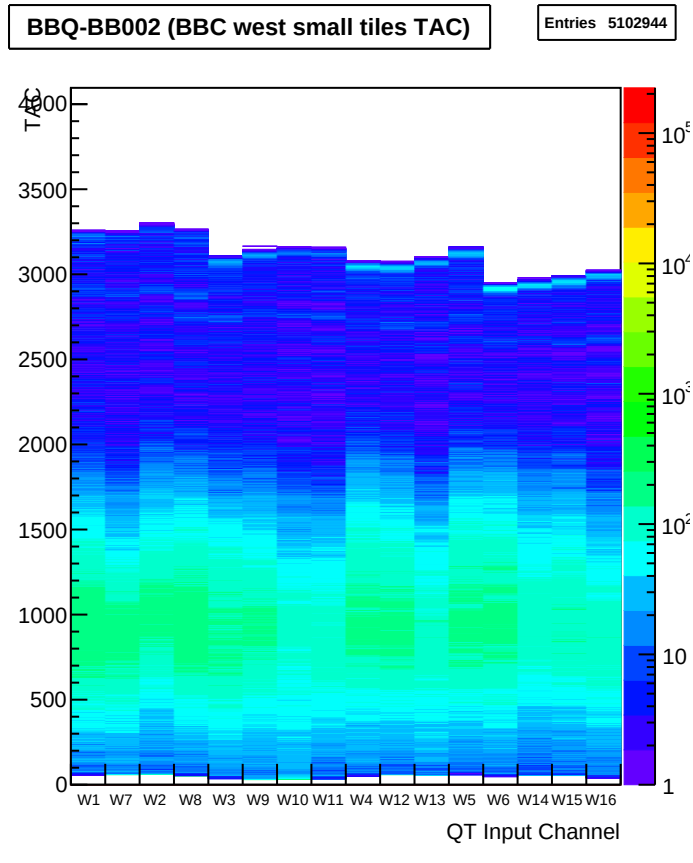

L2-TF201
Entries 2232538
Threshold/UPC bits
290435
292565
290660
293169
291205
289775
307730
28499
26369
28274
25765
27729
29159
11204
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

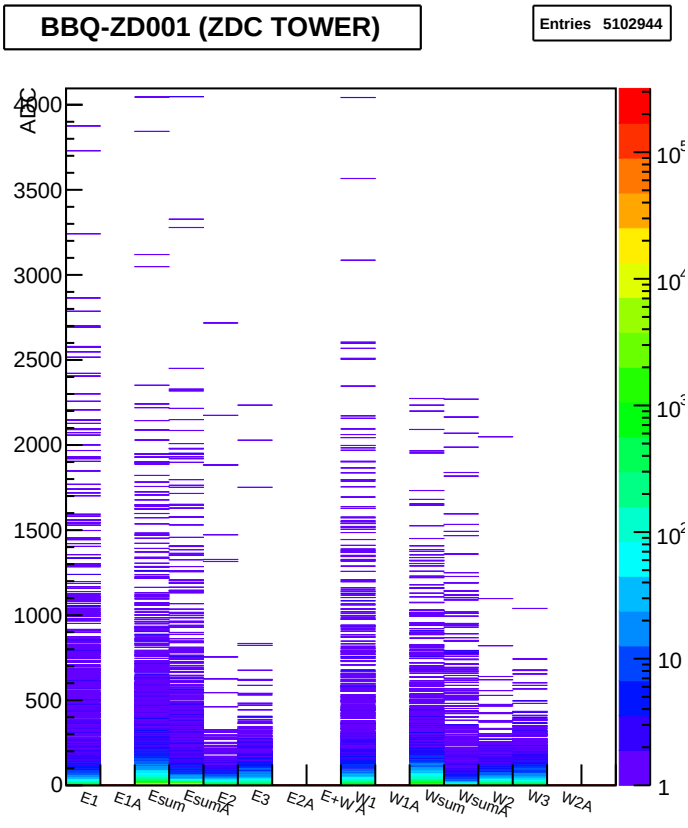

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

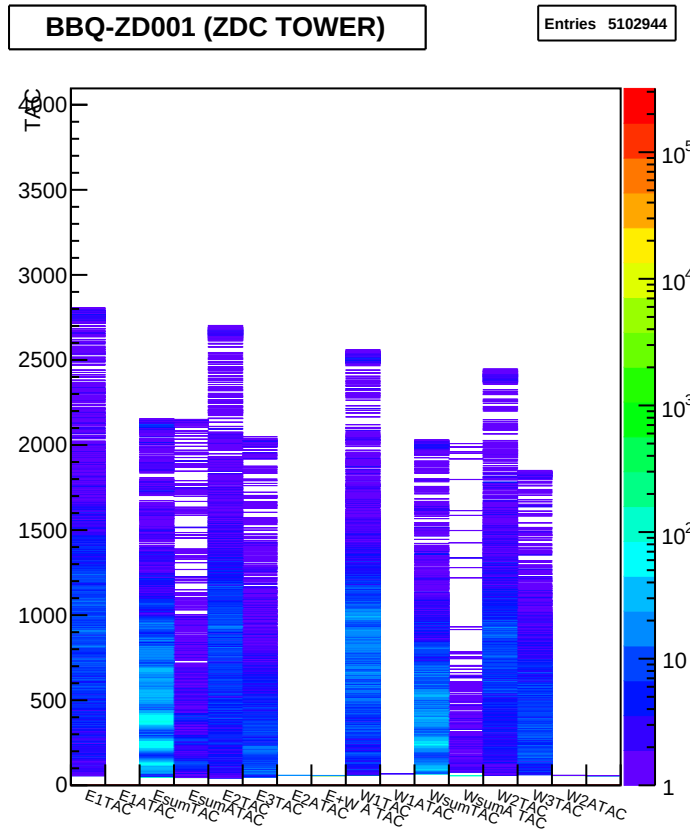

BBQ-BB001 (BBC east small tiles ADC)
Entries 5102944
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

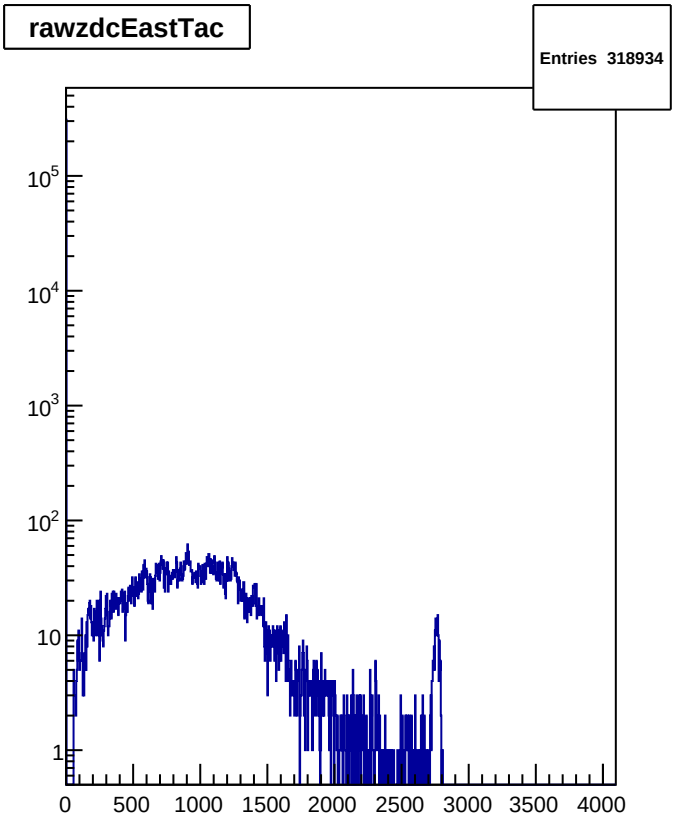

BBQ-BB001 (BBC east small tiles TAC)
Entries 5102944
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

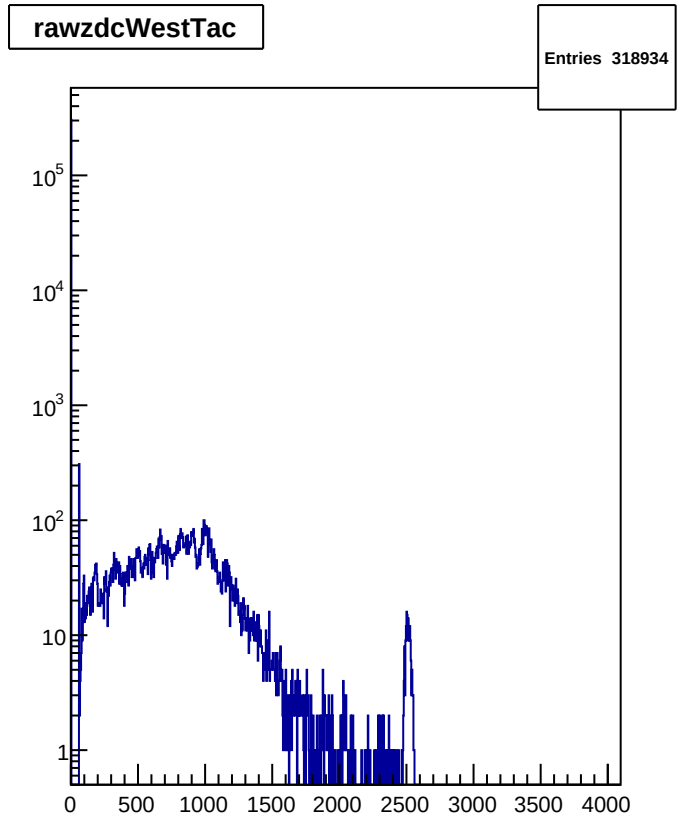

BBQ-BB002 (BBC west small tiles ADC)
Entries 5102944
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

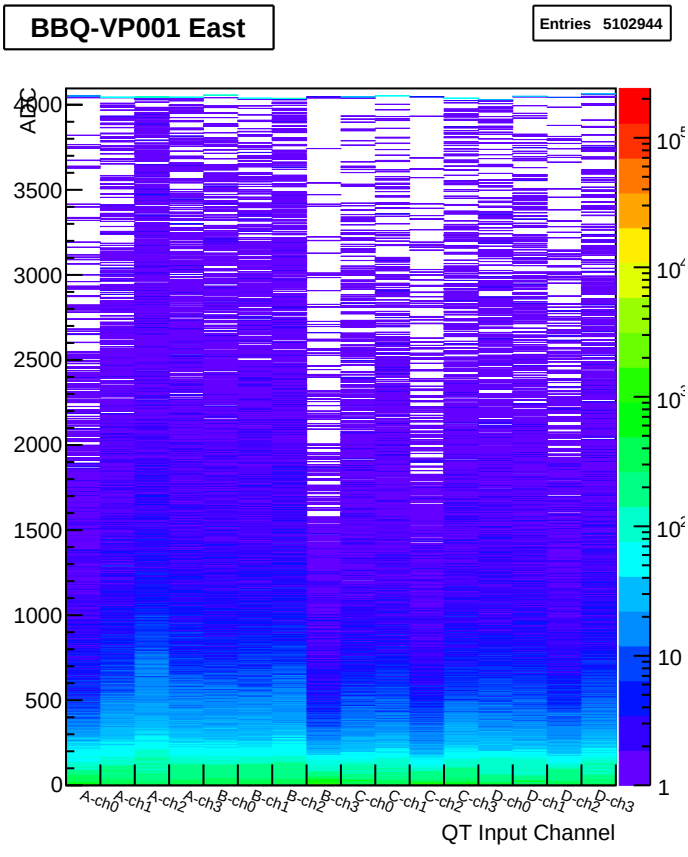

BBQ-BB002 (BBC west small tiles TAC)
Entries 5102944
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

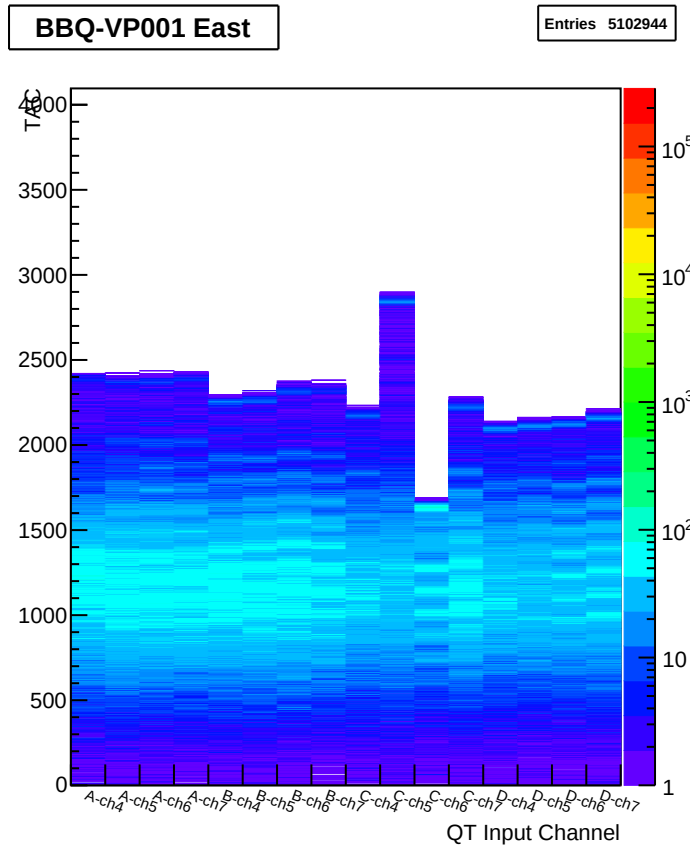

BBQ-ZD001 (ZDC TOWER)
Entries 5102944
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

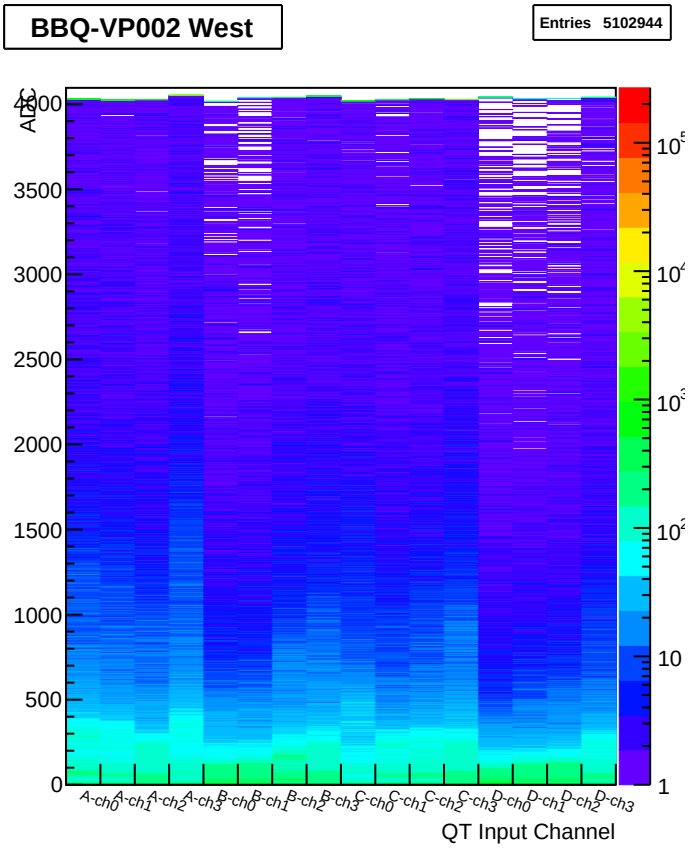

BBQ-ZD001 (ZDC TOWER)
Entries 5102944
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

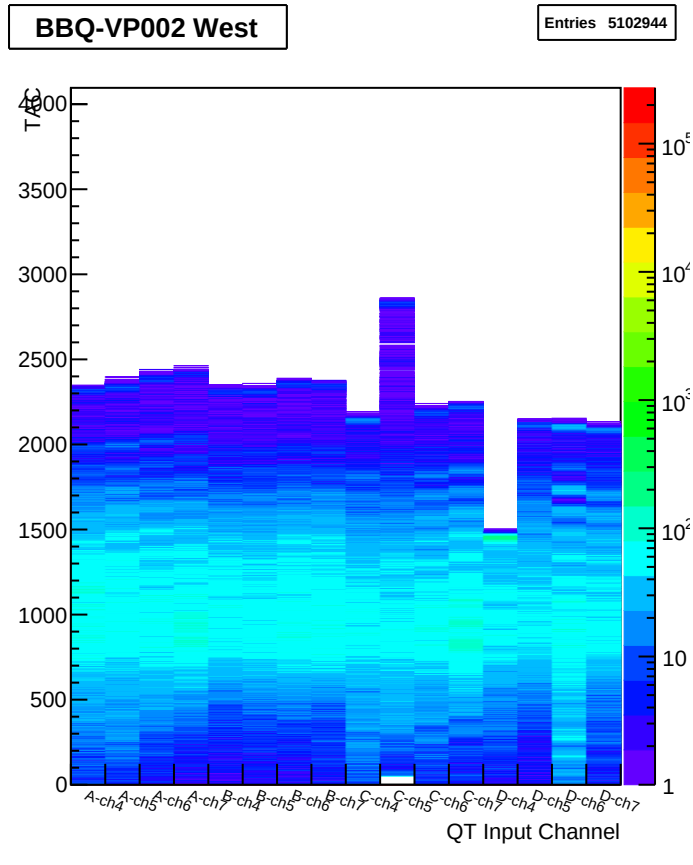

rawzdcEastTac
Entries 318934

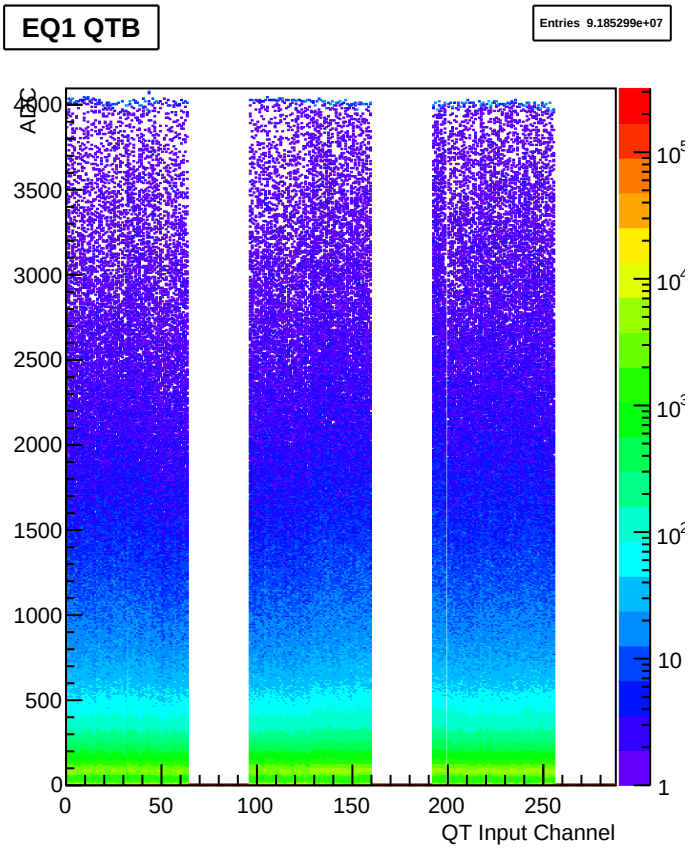

rawzdcWestTac
Entries 318934

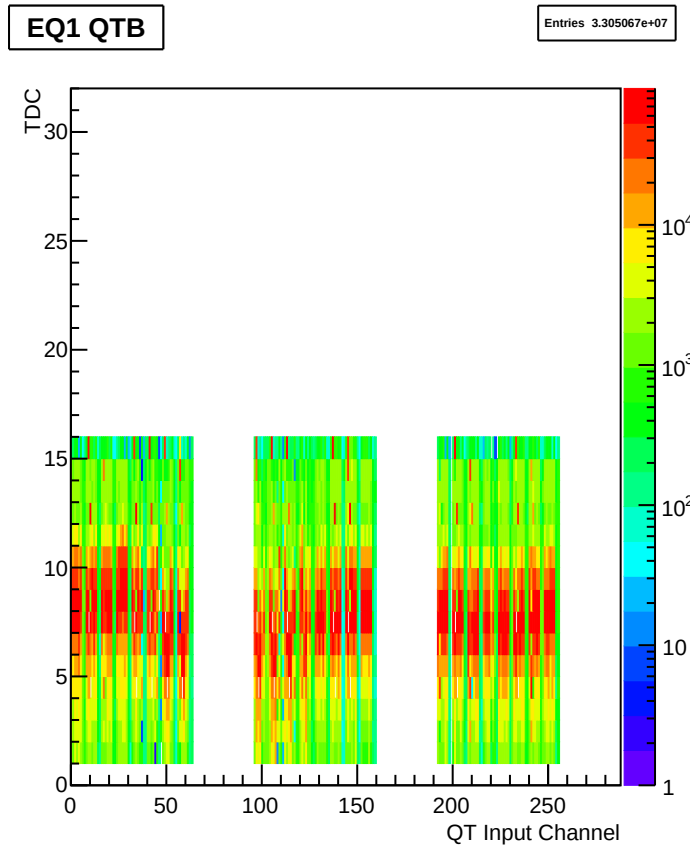

BBQ-VP001 East
Entries 5102944
ADC
QT Input Channel

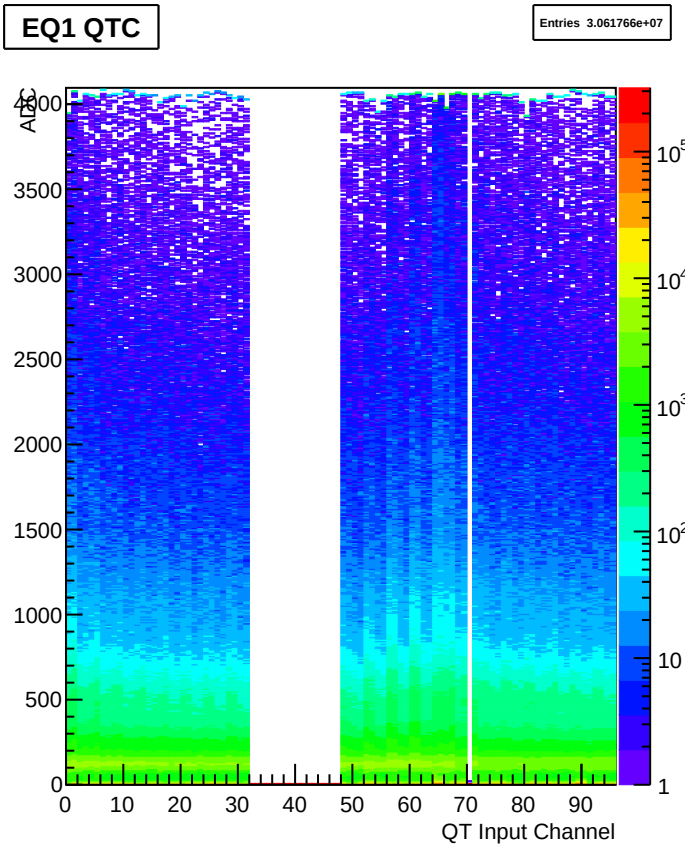

BBQ-VP001 East
Entries 5102944
TADC
QT Input Channel

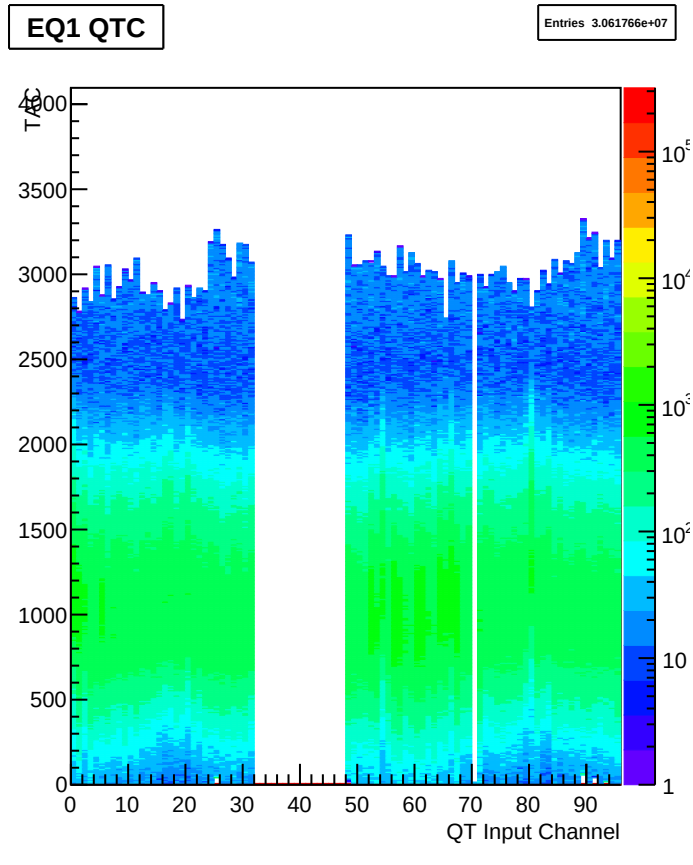

BBQ-VP002 West
Entries 5102944
ADC
QT Input Channel

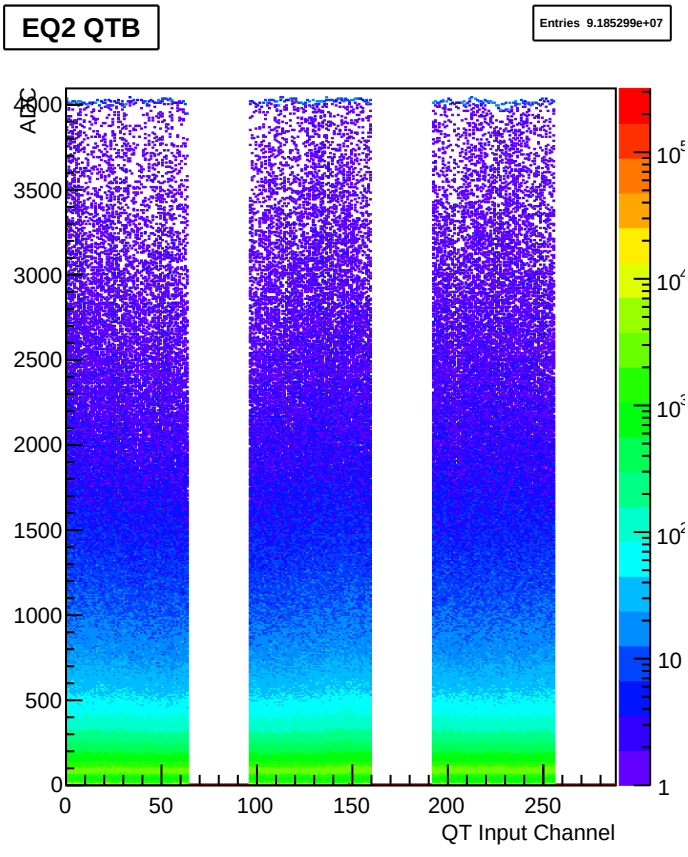

BBQ-VP002 West
Entries 5102944
TADC
QT Input Channel

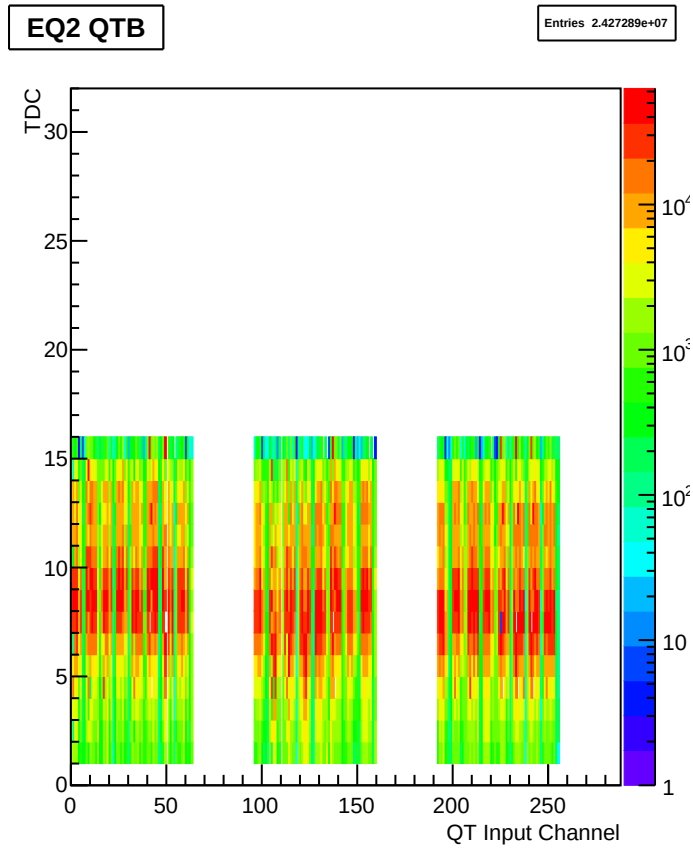

EQ1 QTB
Entries 9.185299e+07
ADC
QT Input Channel

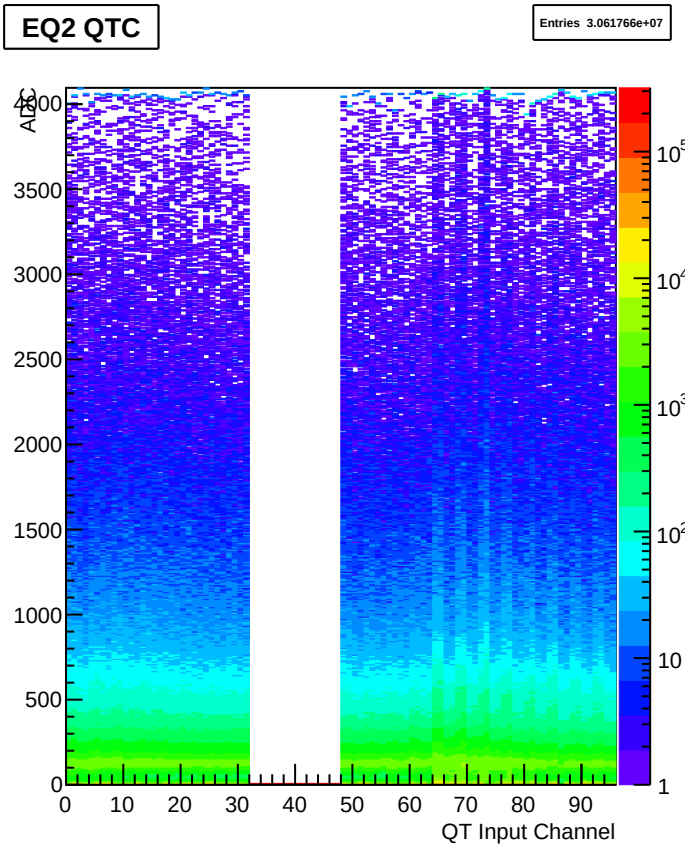

EQ1 QTB
Entries 3.305067e+07
TDC
QT Input Channel

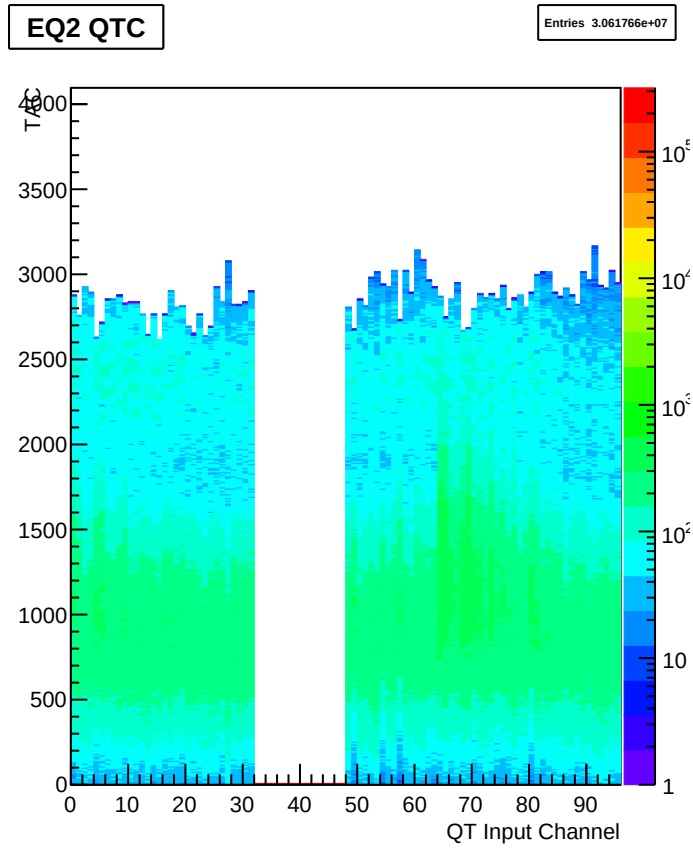

EQ1 QTC
Entries 3.061766e+07
ADC
QT Input Channel

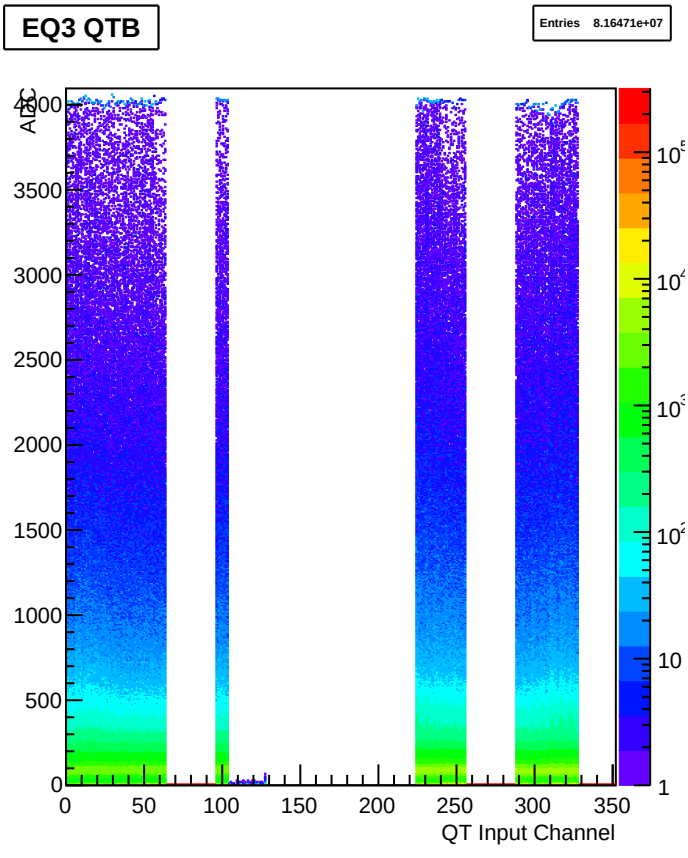

EQ1 QTC
Entries 3.061766e+07
TADC
QT Input Channel

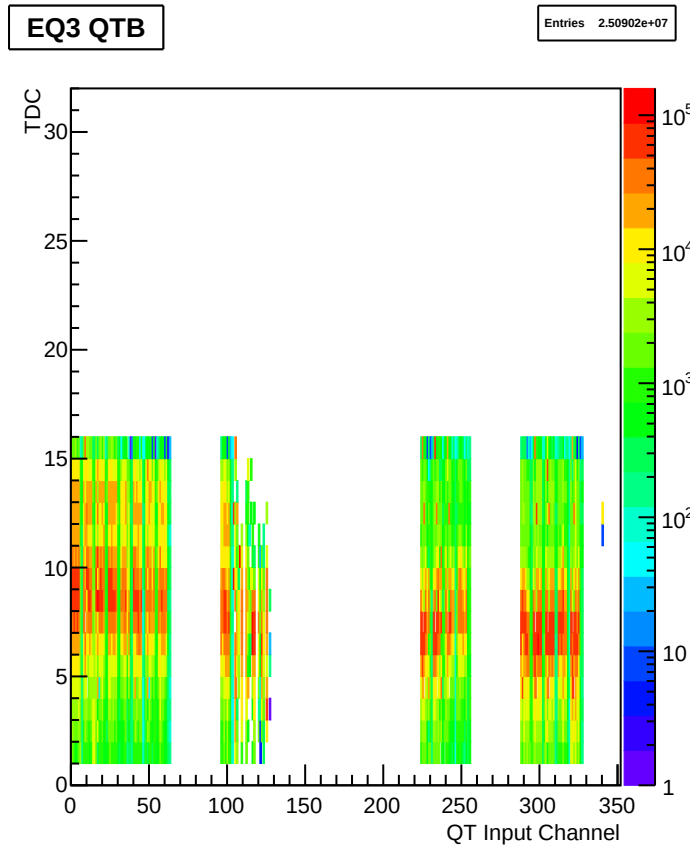

EQ2 QTB
Entries 9.185299e+07
ADC
QT Input Channel

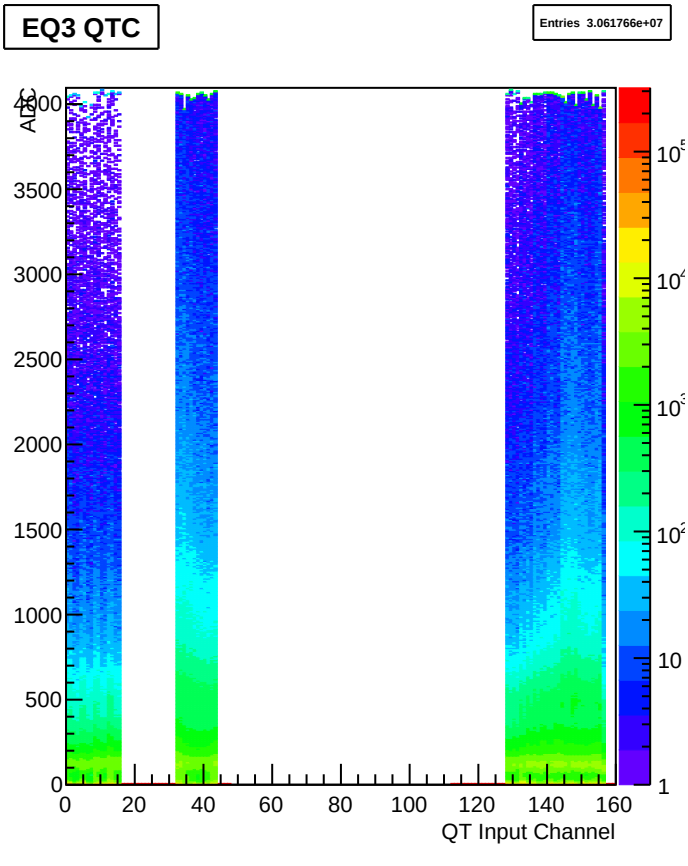

EQ2 QTB
Entries 2.427289e+07
TDC
QT Input Channel

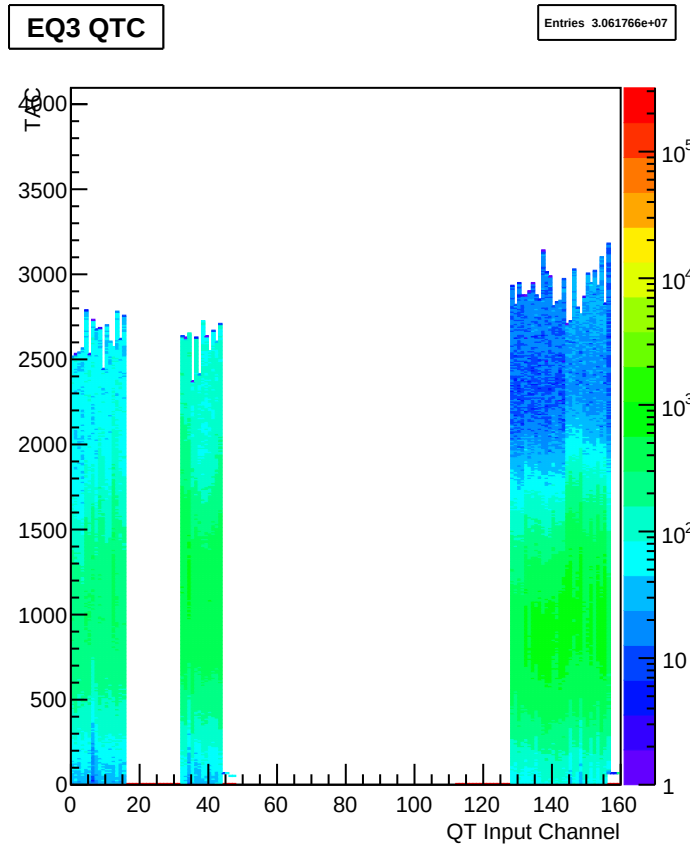

EQ2 QTC
Entries 3.061766e+07
ADC
QT Input Channel

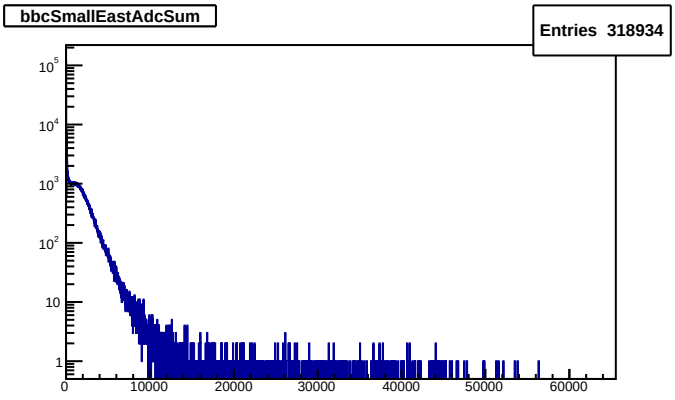

EQ2 QTC
Entries 3.061766e+07
TADC
QT Input Channel

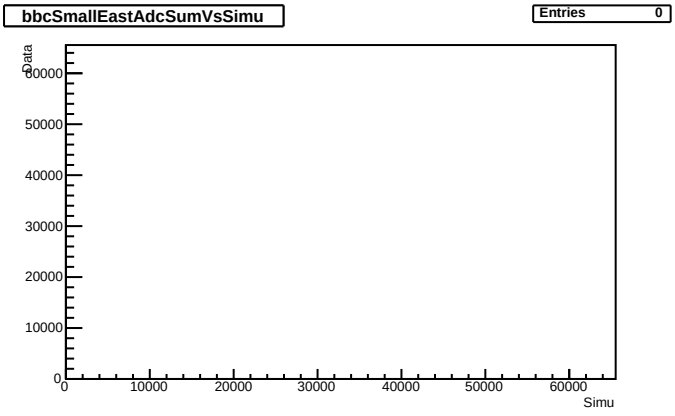

EQ3 QTB
Entries 8.16471e+07
ADC
QT Input Channel

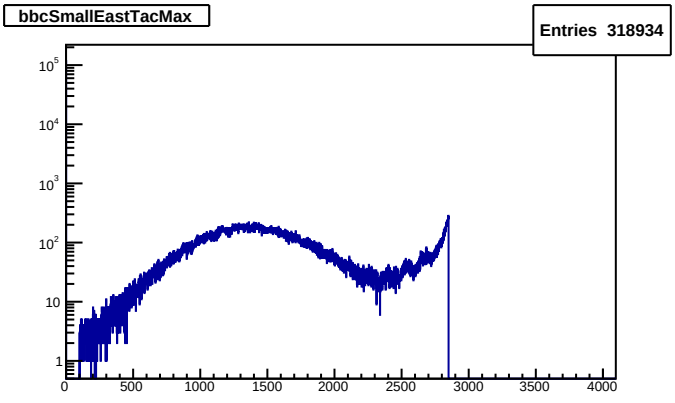

EQ3 QTB
Entries 2.50902e+07
TDC
QT Input Channel

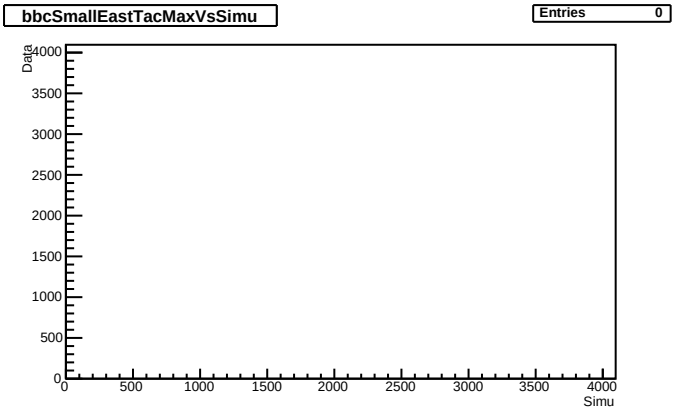

EQ3 QTC
Entries 3.061766e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.061766e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 318934


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 318934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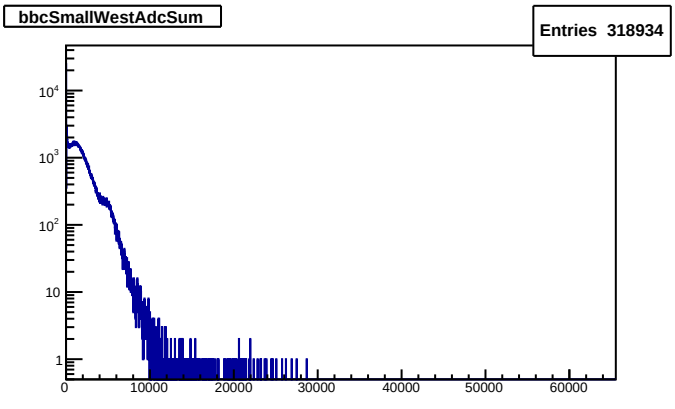
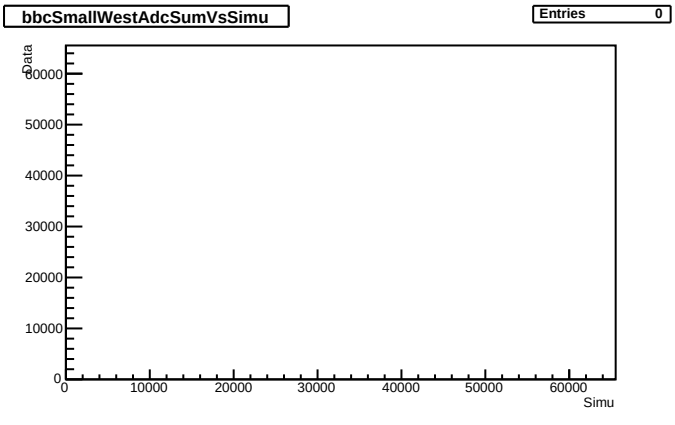
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 318934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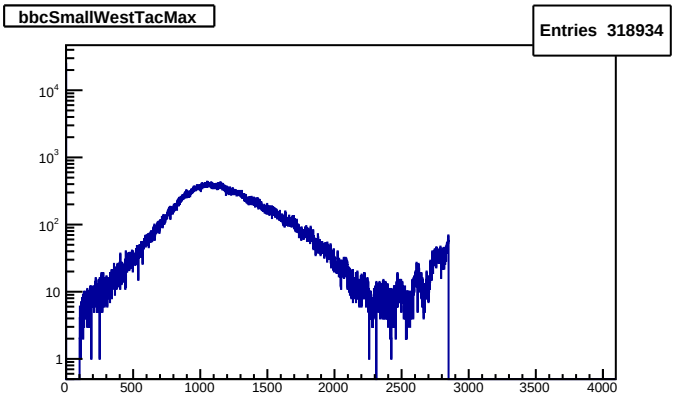
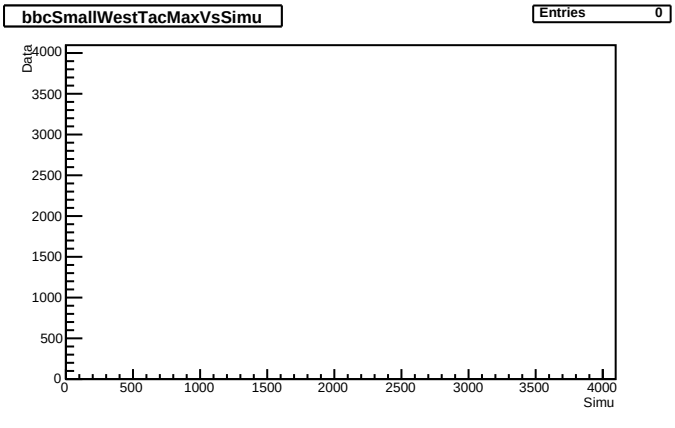
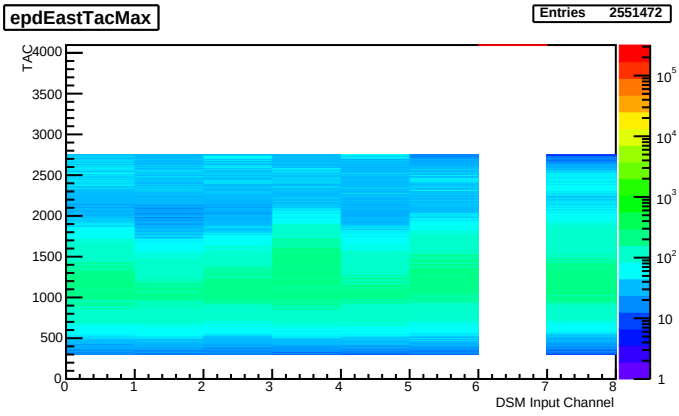
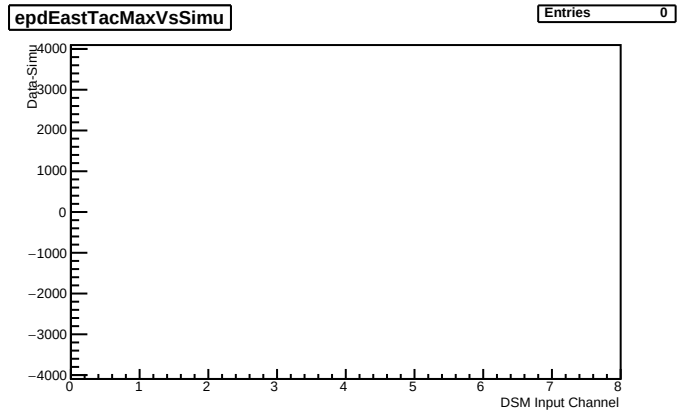
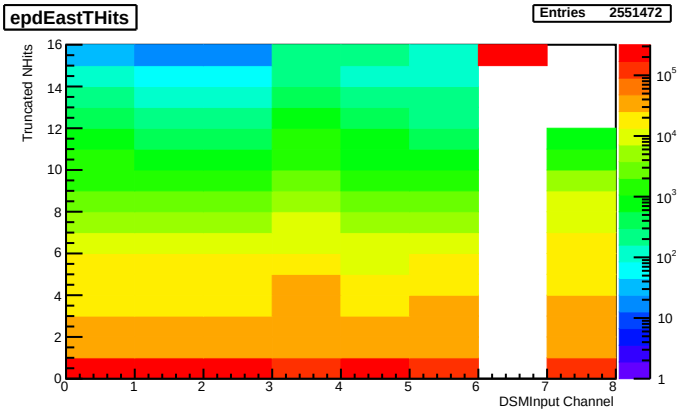
Entries 0
Data
Simu

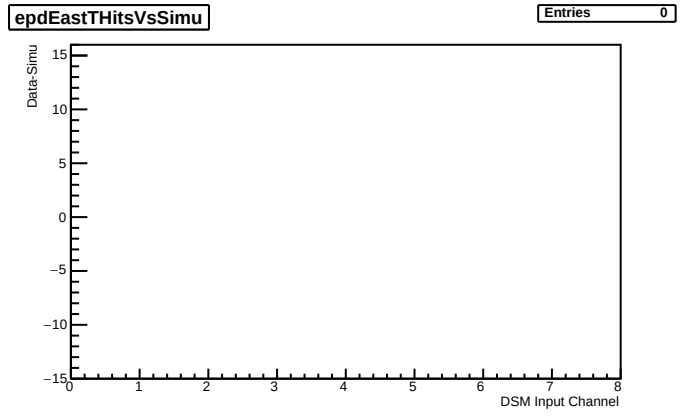

bbcSmallWestTacMax
Entries 318934


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 2551472
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2551472
Truncated NHits
DSMInput Channel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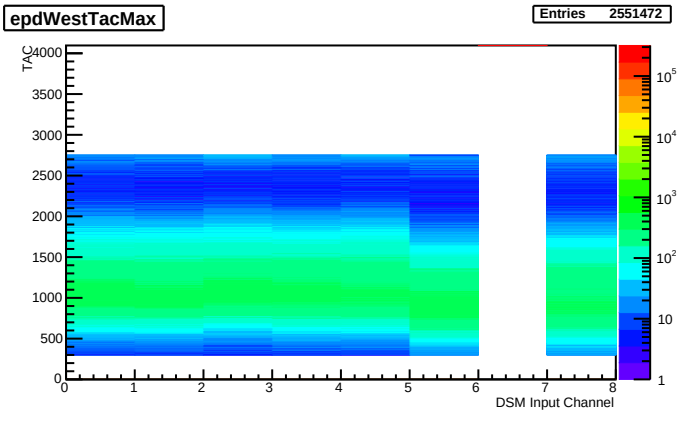
DSM Input Channel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Entries 2551472
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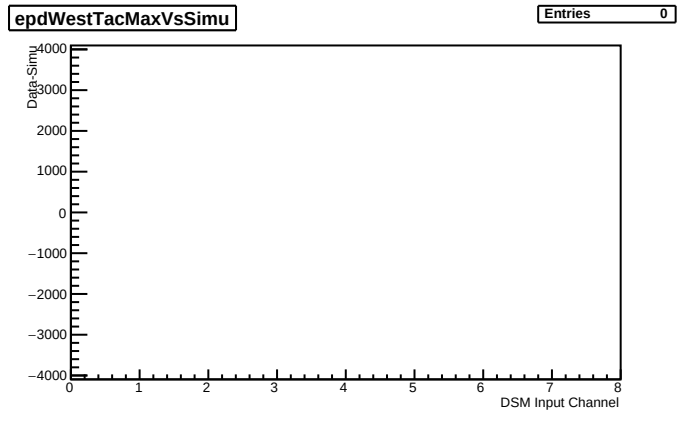
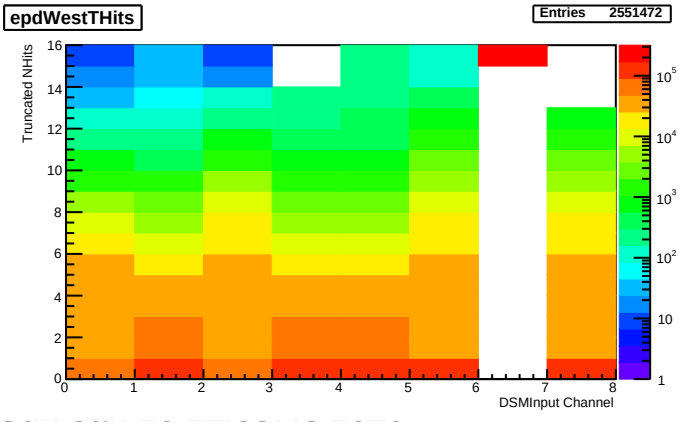
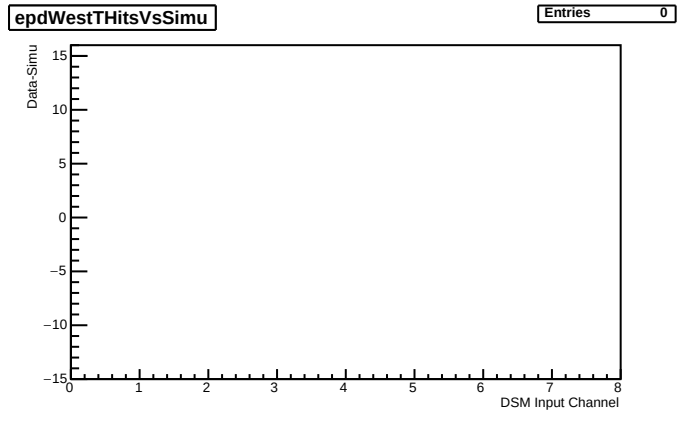
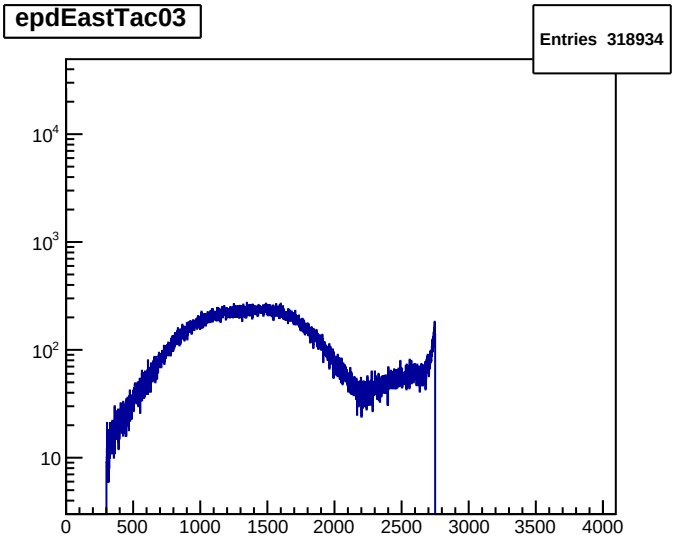
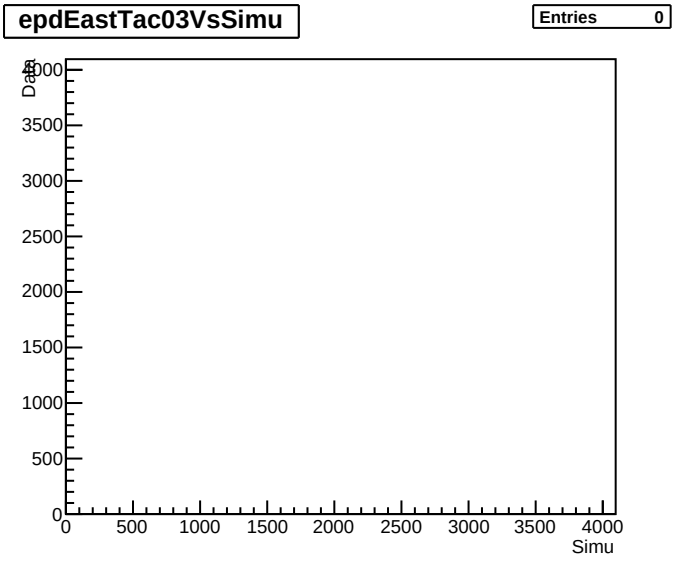
DSM Input Channel


epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2551472
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 318934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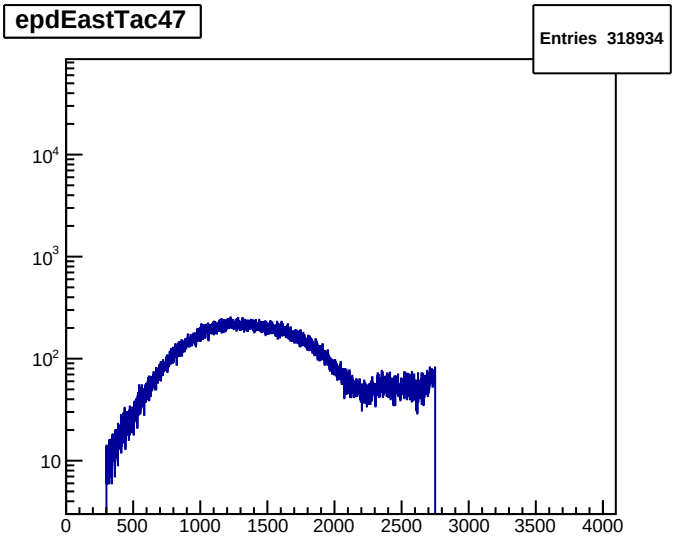
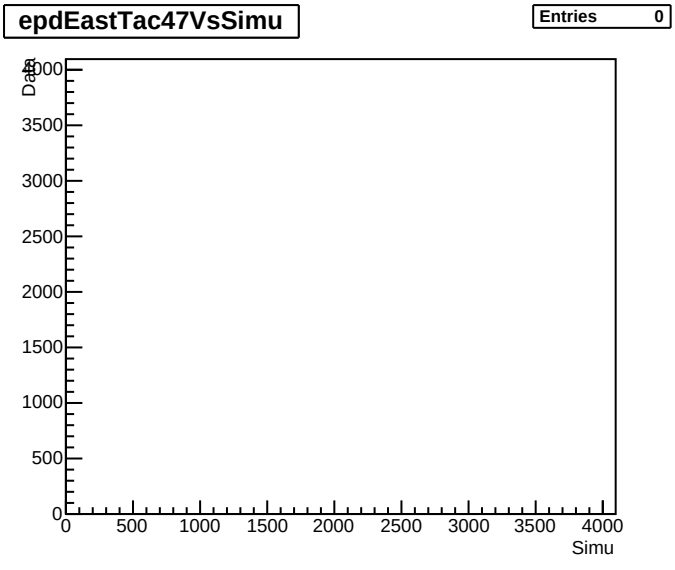
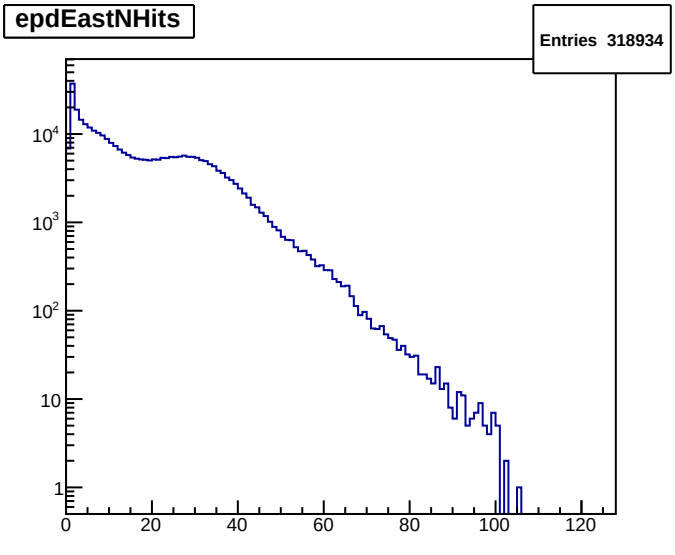
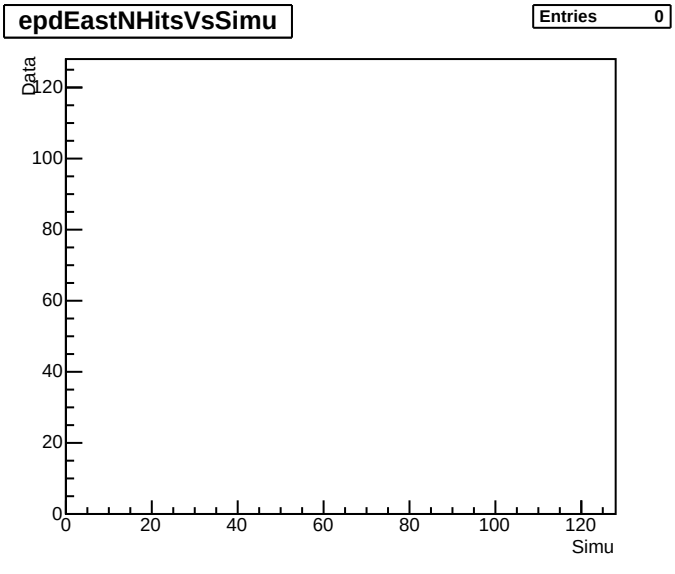
Entries 0
Data
Simu


epdEastTac47
Entries 318934


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 318934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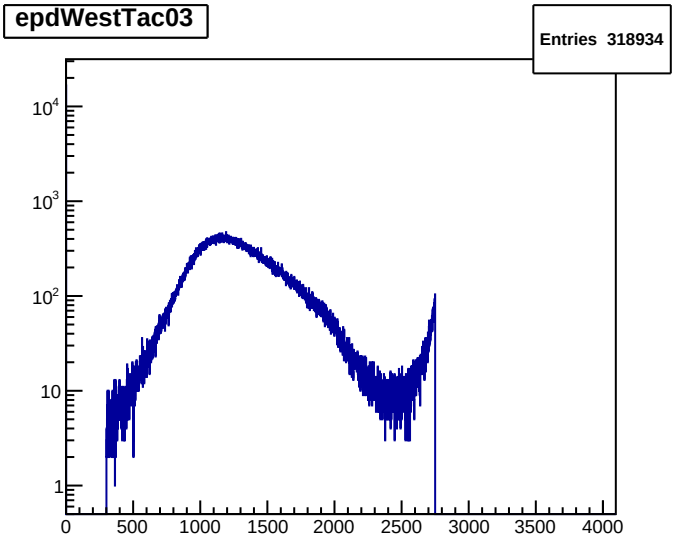
Entries 0
Data
Simu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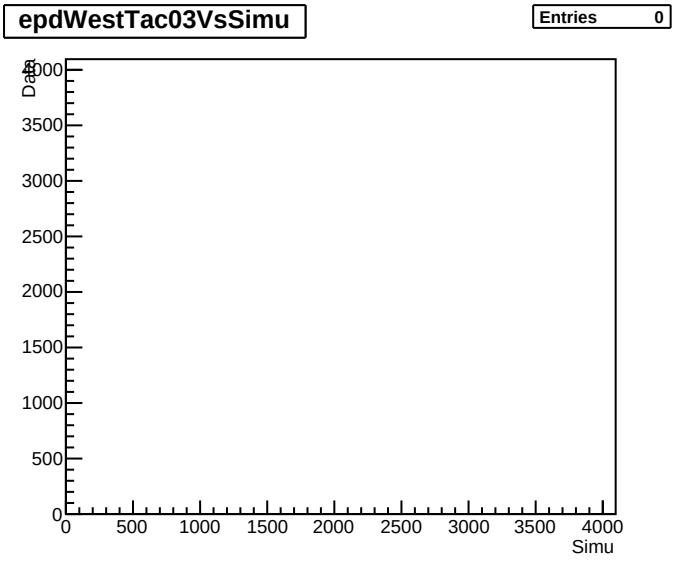
Entries 318934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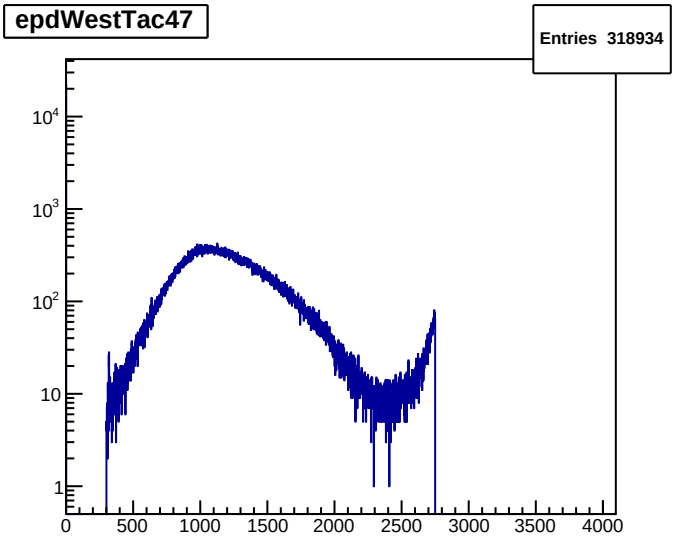
Entries 0
Data
Simu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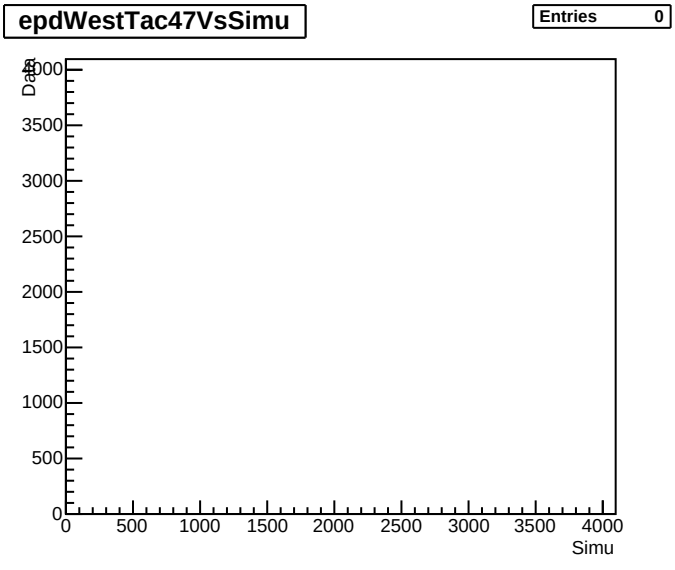
Entries 318934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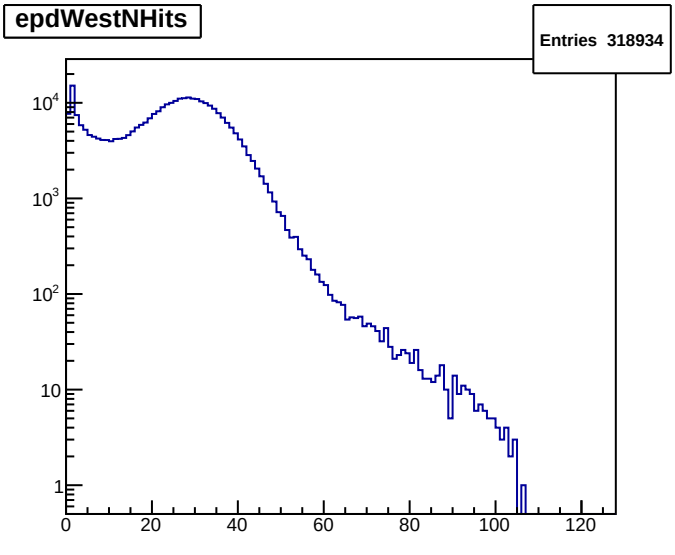
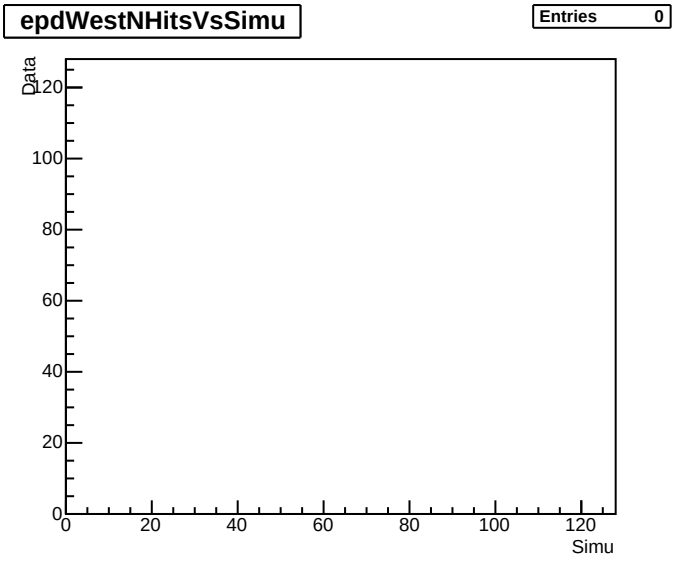
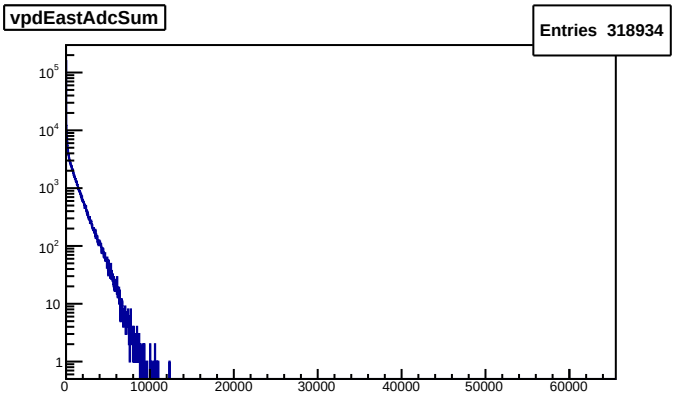
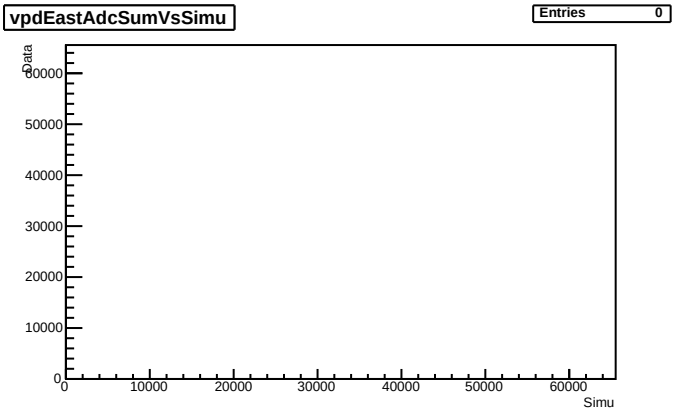
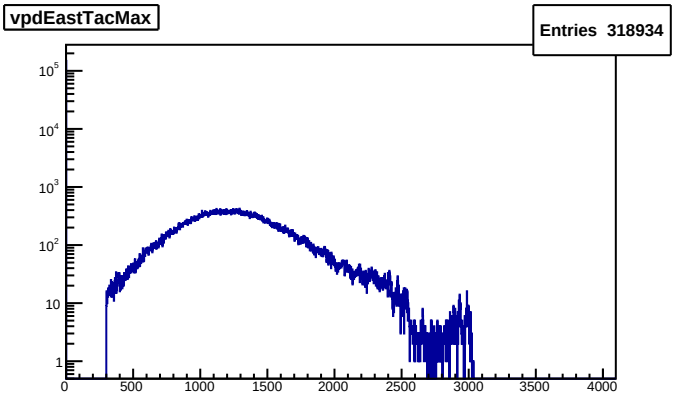
Entries 0
Data
Simu

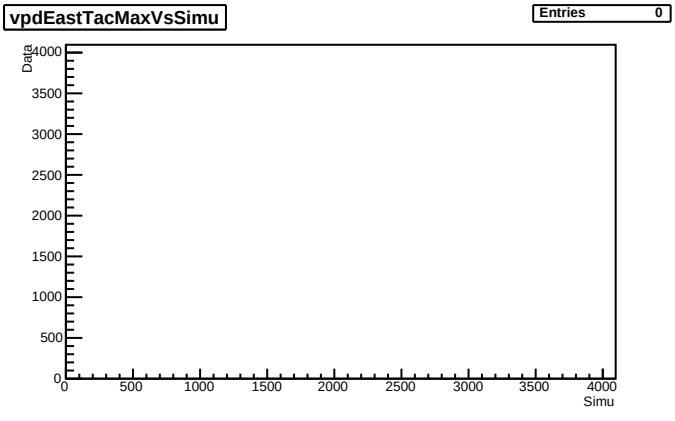

epdWestNHits
Entries 318934

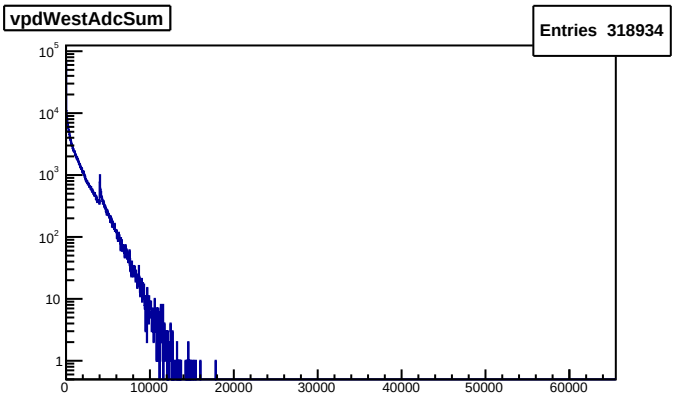

epdWestNHitsVsSimu
Entries 0
Data
Simu

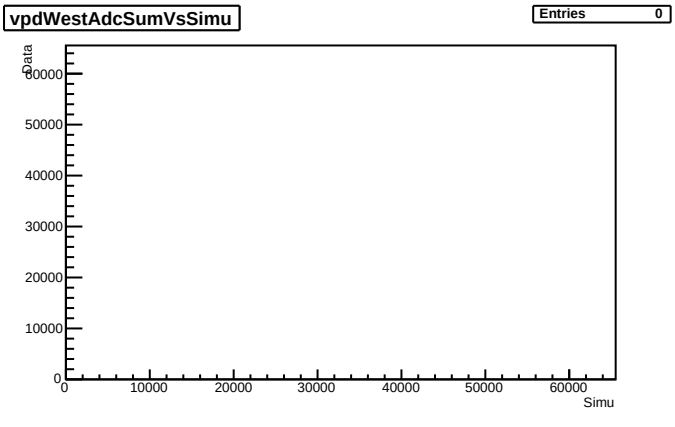

vpdEastAdcSum
Entries 318934

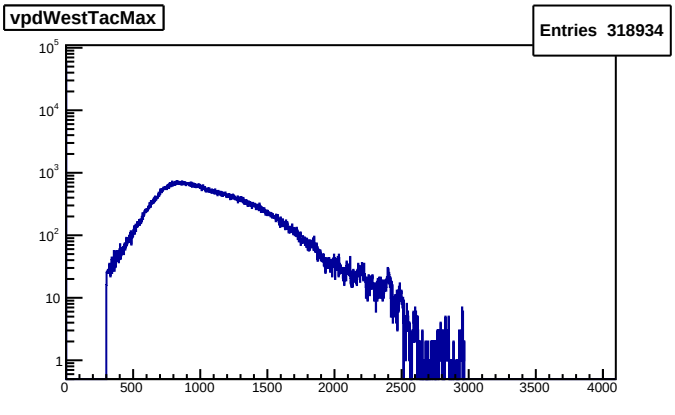

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

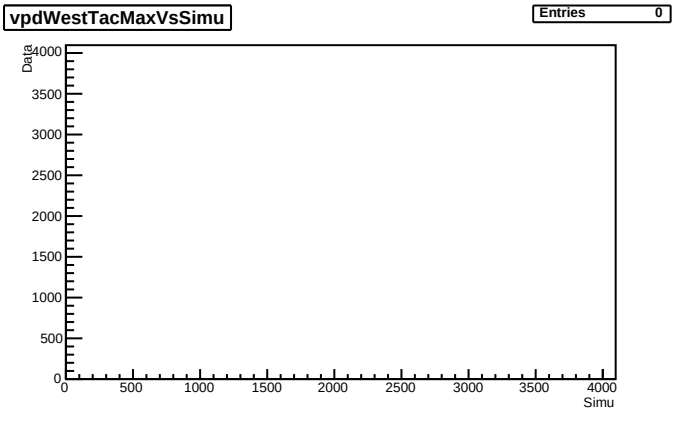

vpdEastTacMax
Entries 318934

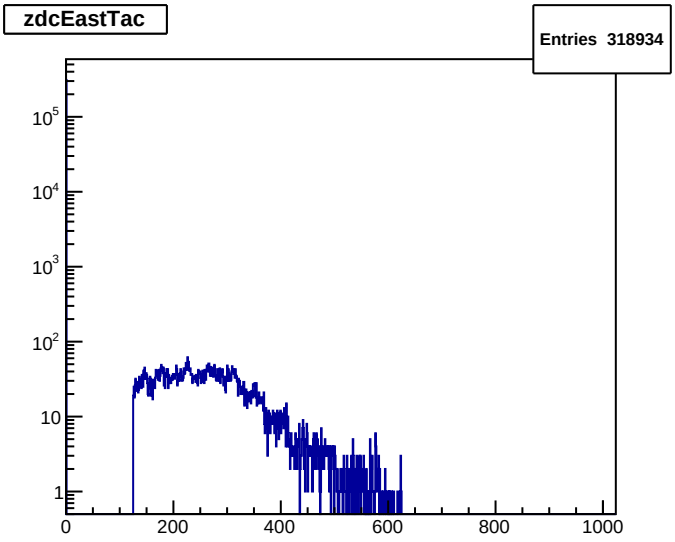

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

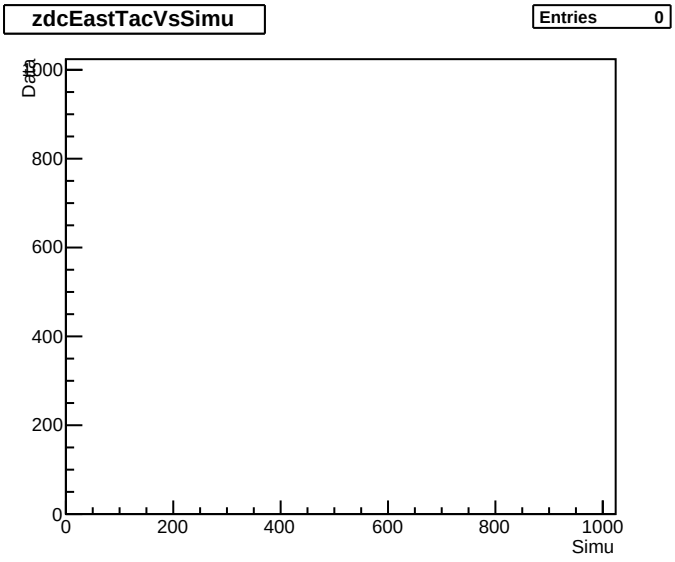

vpdWestAdcSum
Entries 318934

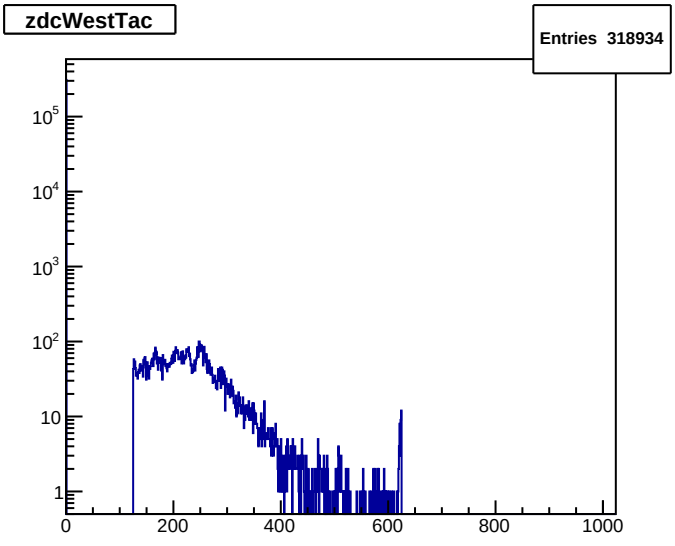

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

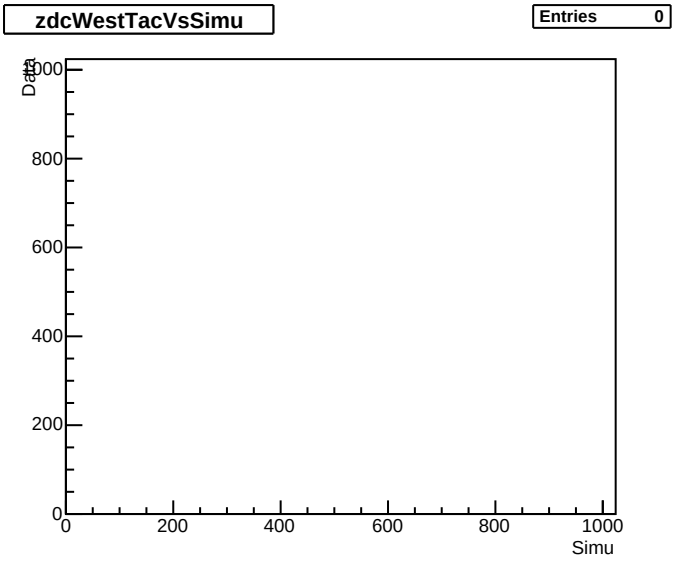

vpdWestTacMax
Entries 318934

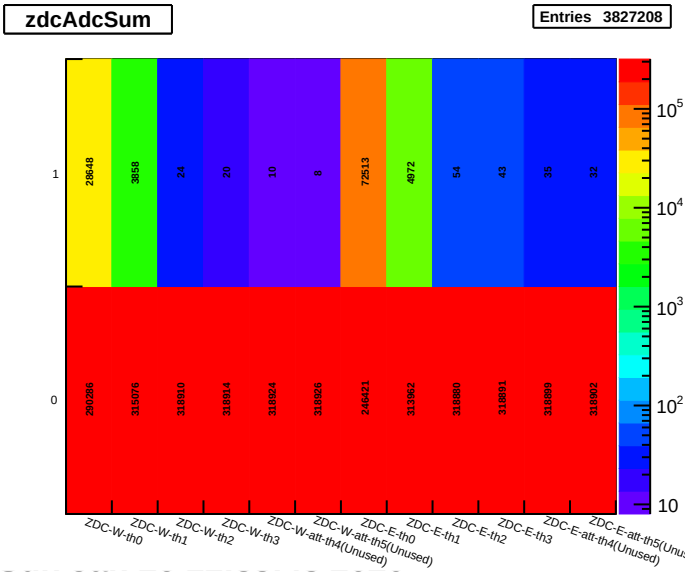

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

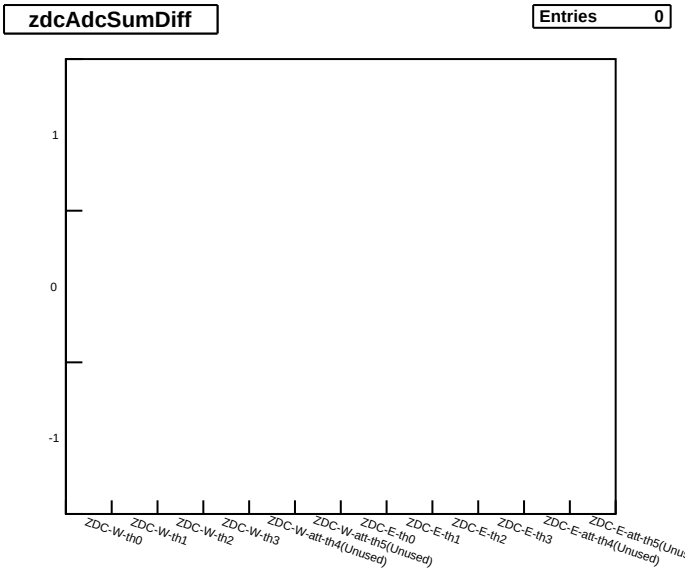

zdcEastTac
Entries 318934
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

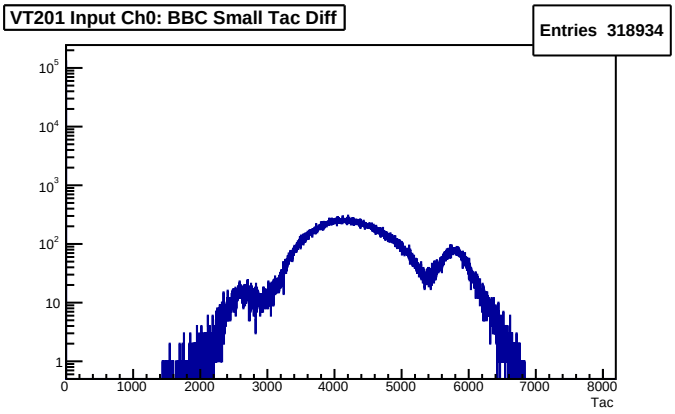

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

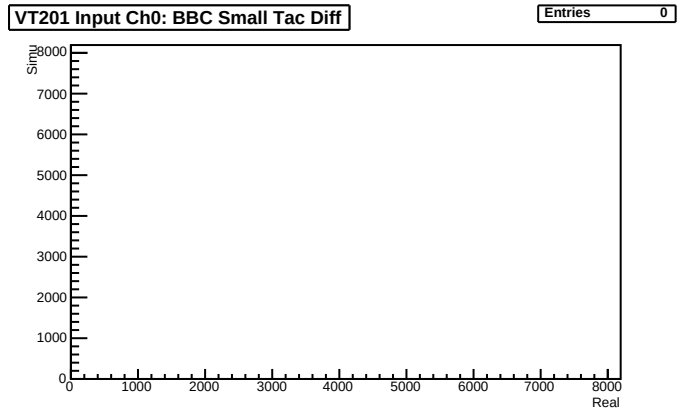

zdcWestTac
Entries 318934
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

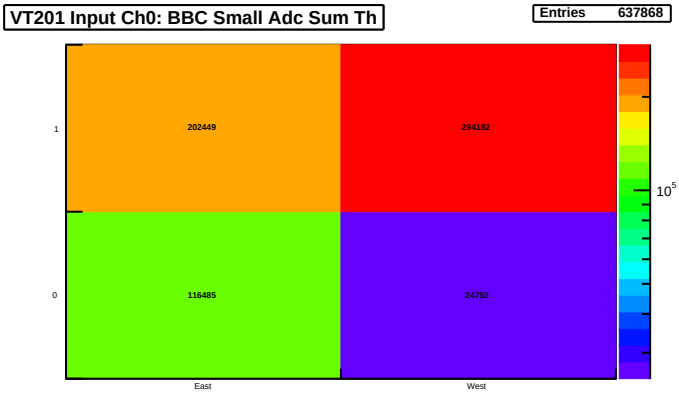

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

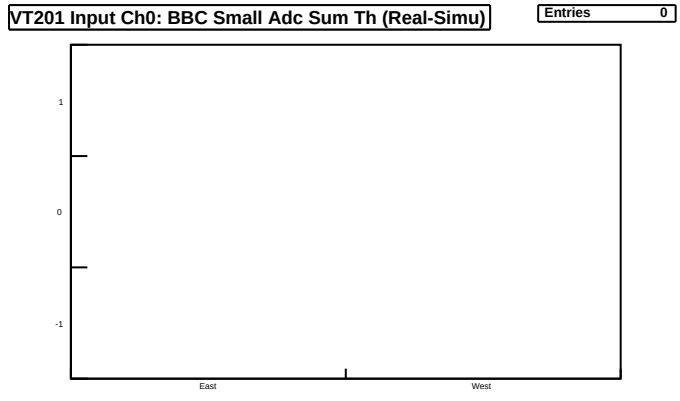

zdcAdcSum
Entries 3827208
1
0
28648
3658
24
20
10
8
72513
4972
54
43
35
32
290286
315076
318910
318914
318924
318926
246421
313962
318880
318891
318899
318902
10^5
10^4
10^3
10^2
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

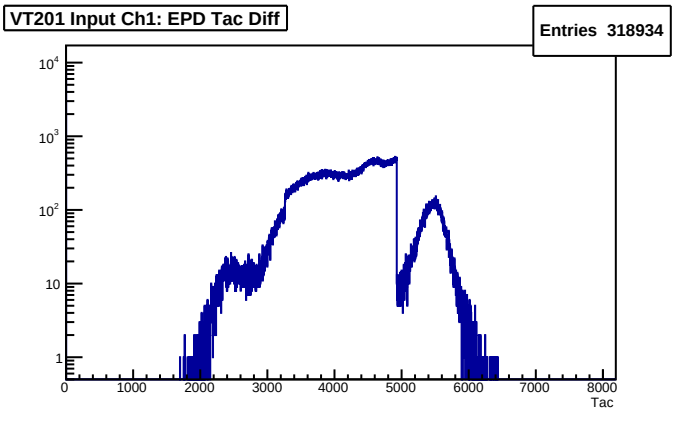

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

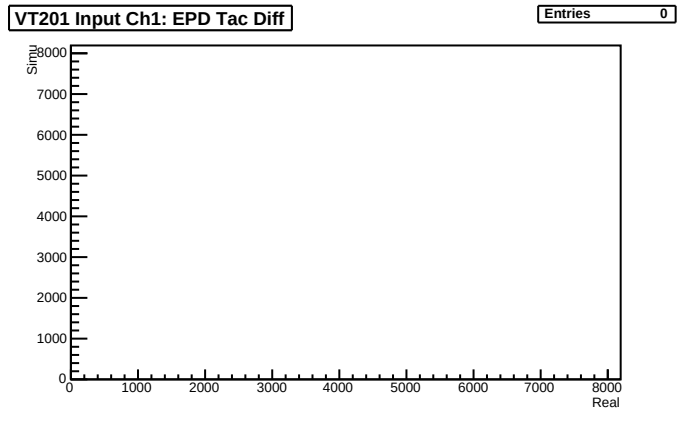

VT201 Input Ch0: BBC Small Tac Diff
Entries 318934
Tac

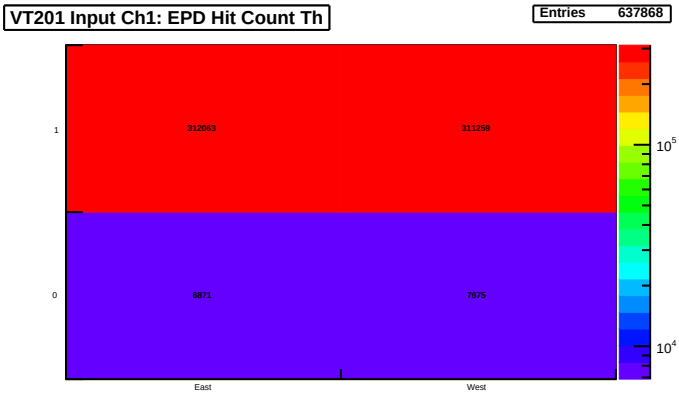

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

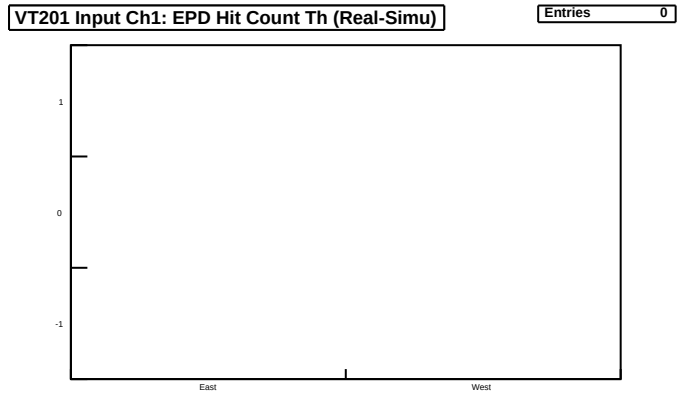

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 637868
202449
294182
116485
24752
East
West

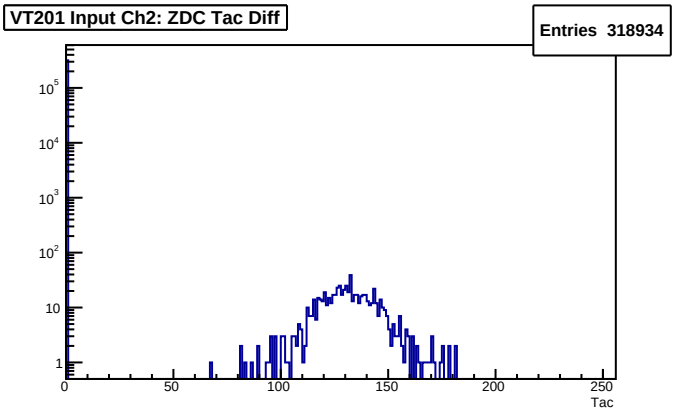

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

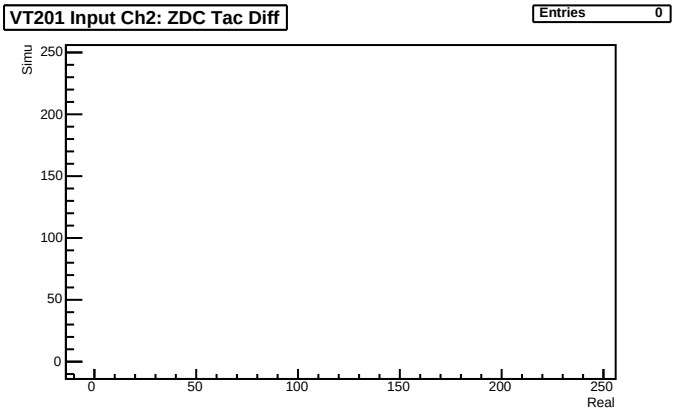

VT201 Input Ch1: EPD Tac Diff
Entries 318934
Tac

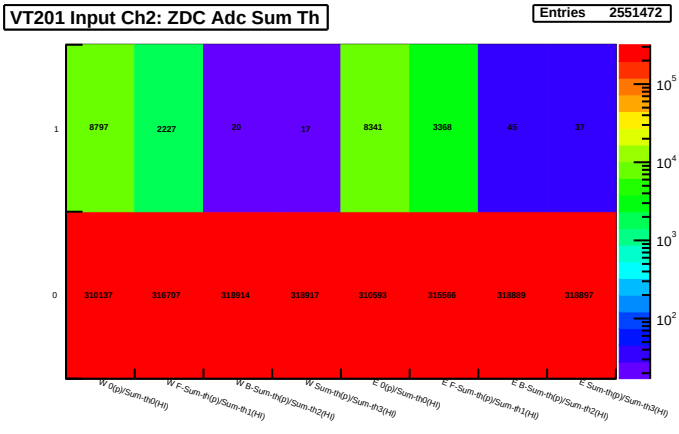

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

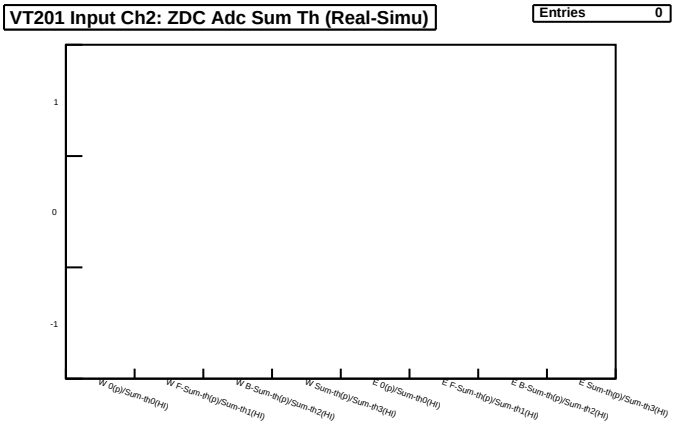

VT201 Input Ch1: EPD Hit Count Th
Entries 637868
312063
311259
6871
7675
East
West

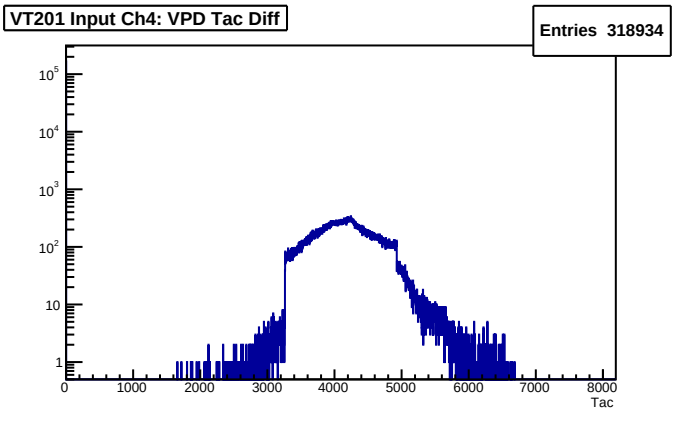

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

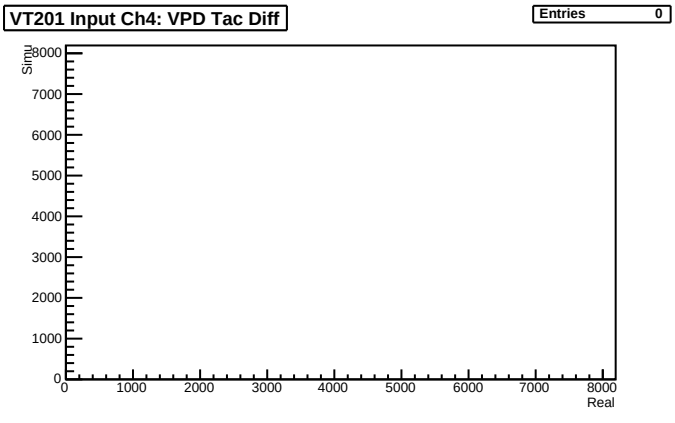

VT201 Input Ch2: ZDC Tac Diff
Entries 318934
Tac

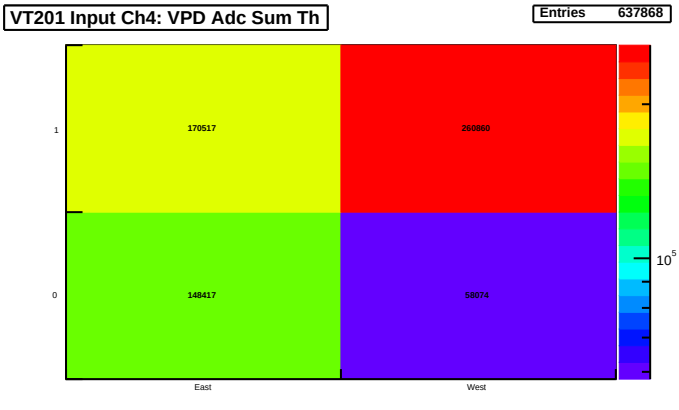

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

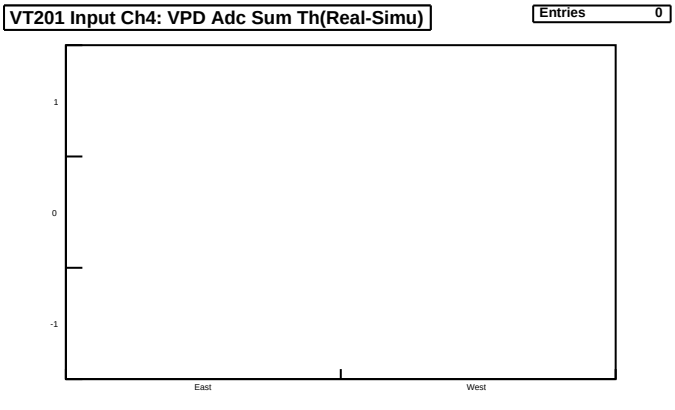

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2551472
8797
2227
20
17
8341
3368
45
37
310137
316707
318914
318917
310593
315566
318889
318897
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

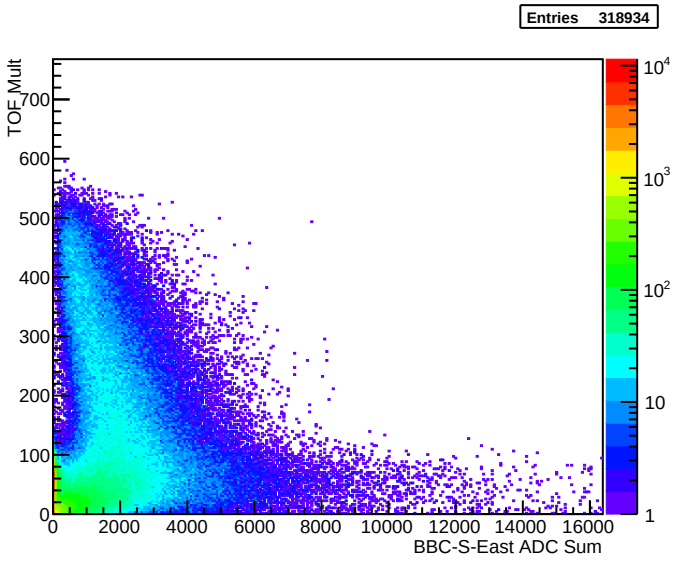

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

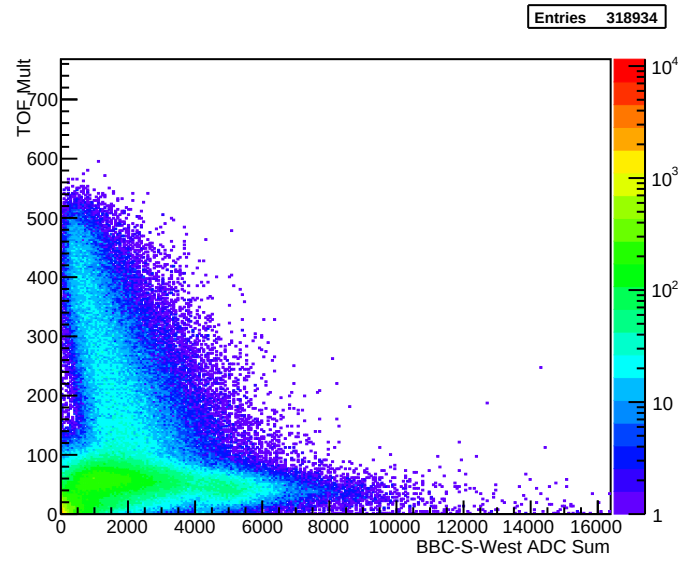

VT201 Input Ch4: VPD Tac Diff
Entries 318934
Tac

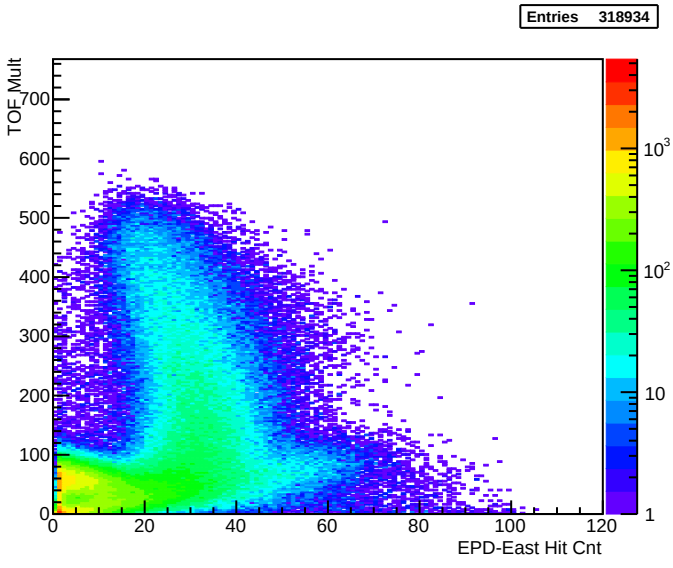

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

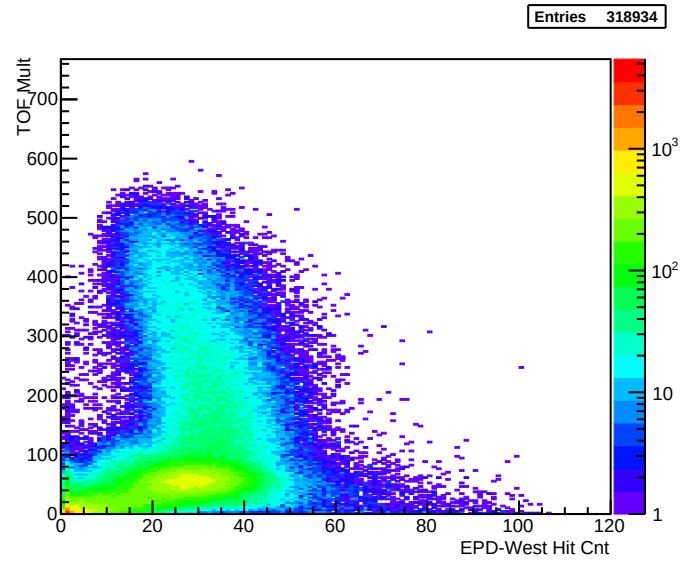

VT201 Input Ch4: VPD Adc Sum Th
Entries 637868
170517
260860
148417
58074
East
West

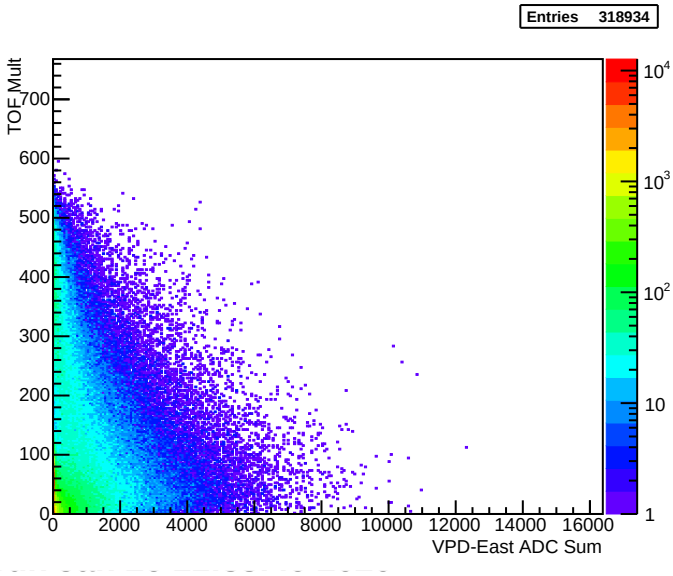

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

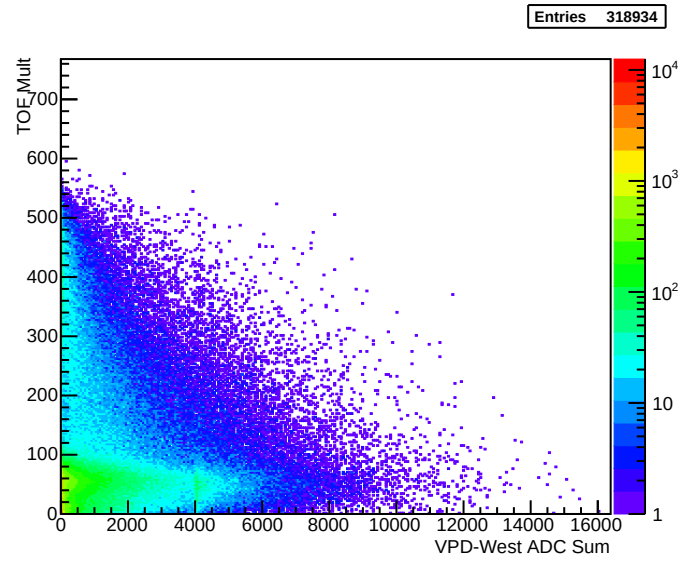

Entries 318934
TOF_Mult
BBC-S-East ADC Sum

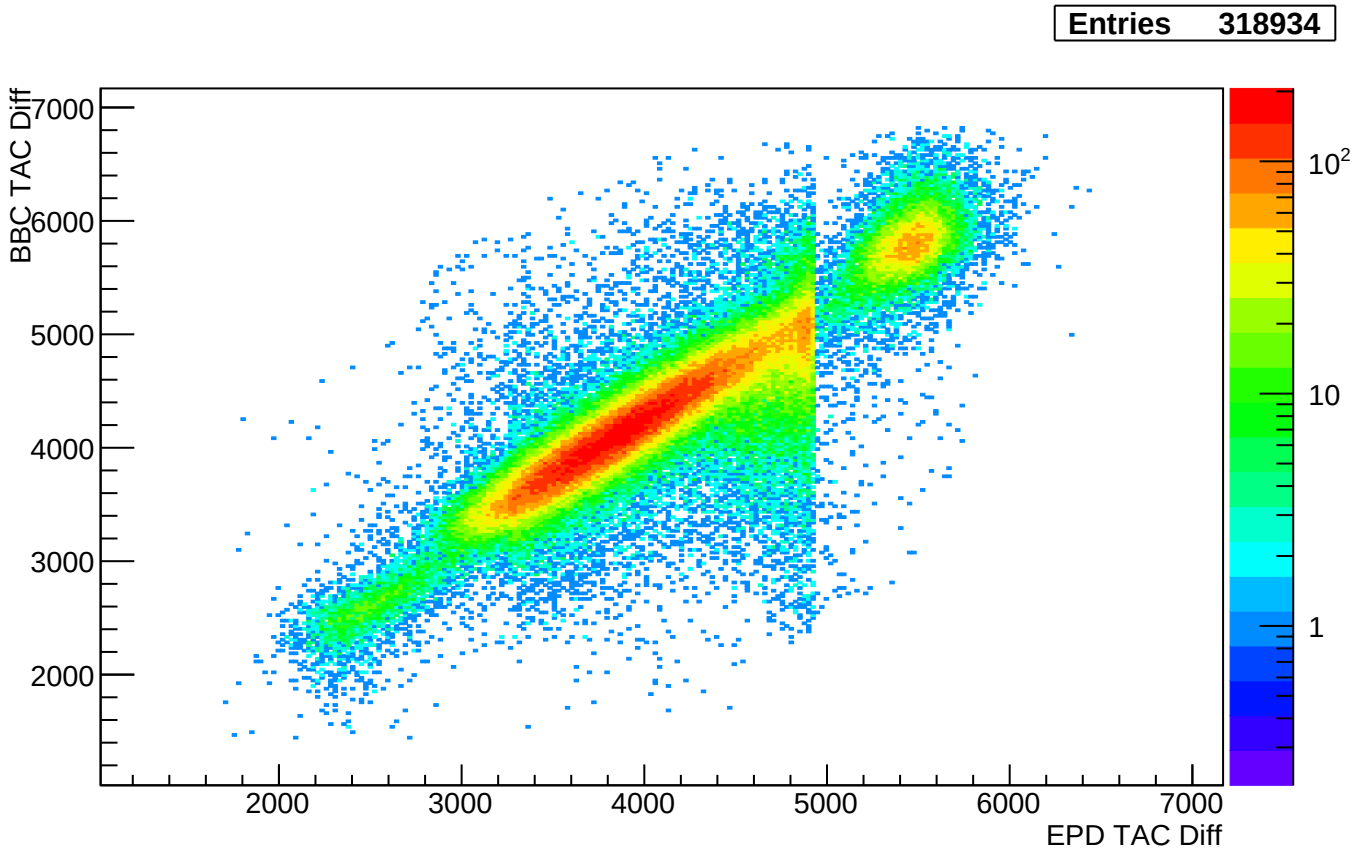

Entries 318934
TOF_Mult
BBC-S-West ADC Sum

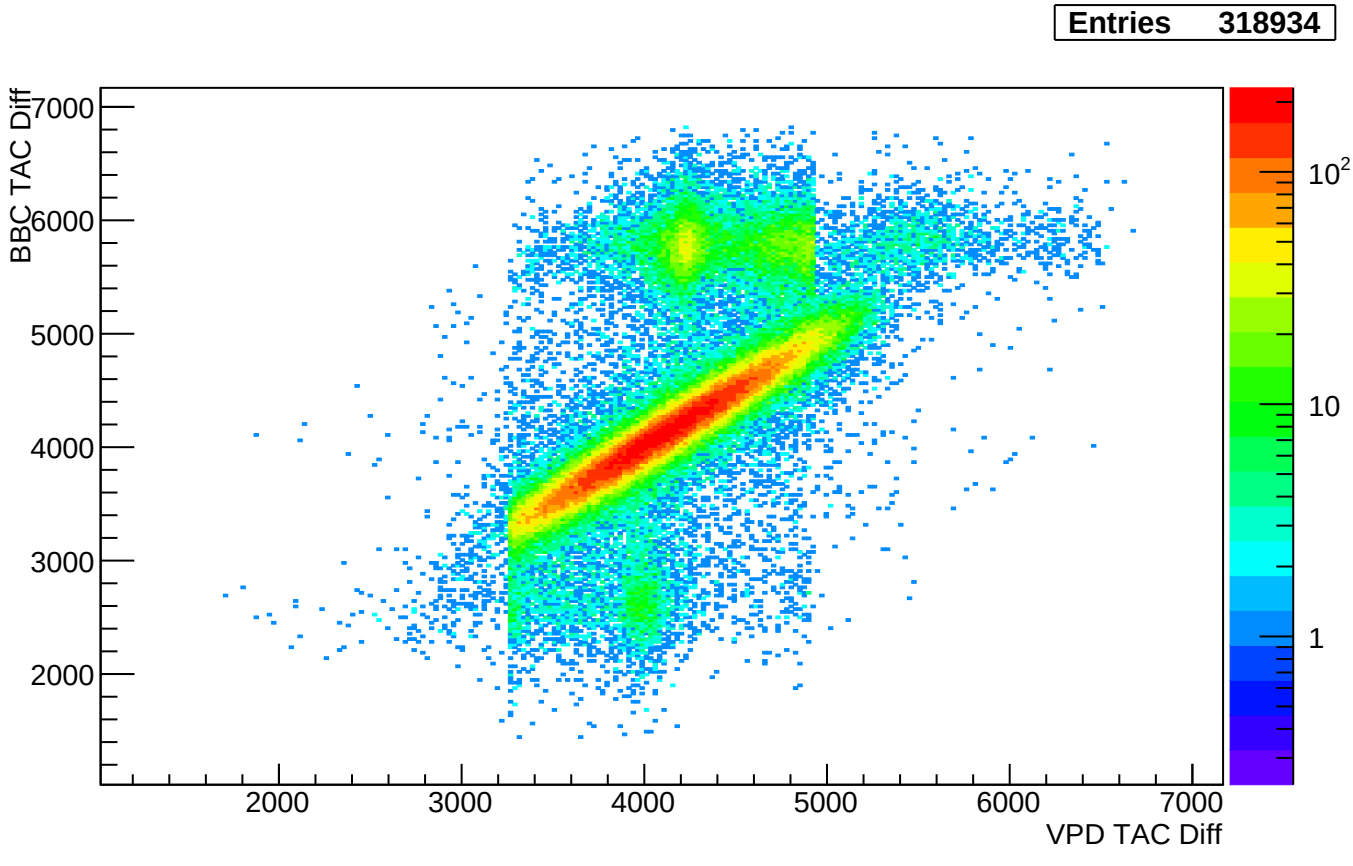

Entries 318934
TOF_Mult
EPD-East Hit Cnt

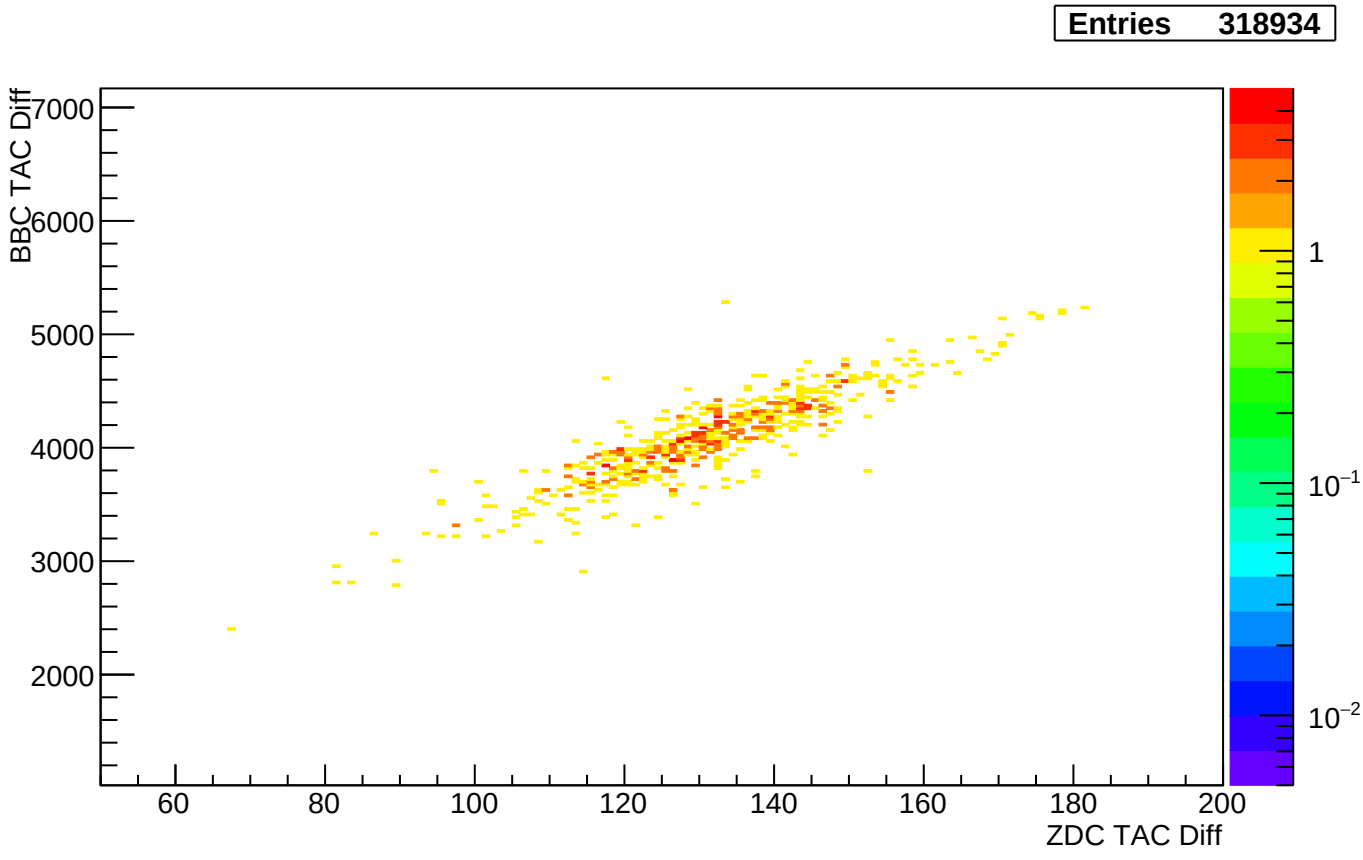

Entries 318934
TOF_Mult
EPD-West Hit Cnt

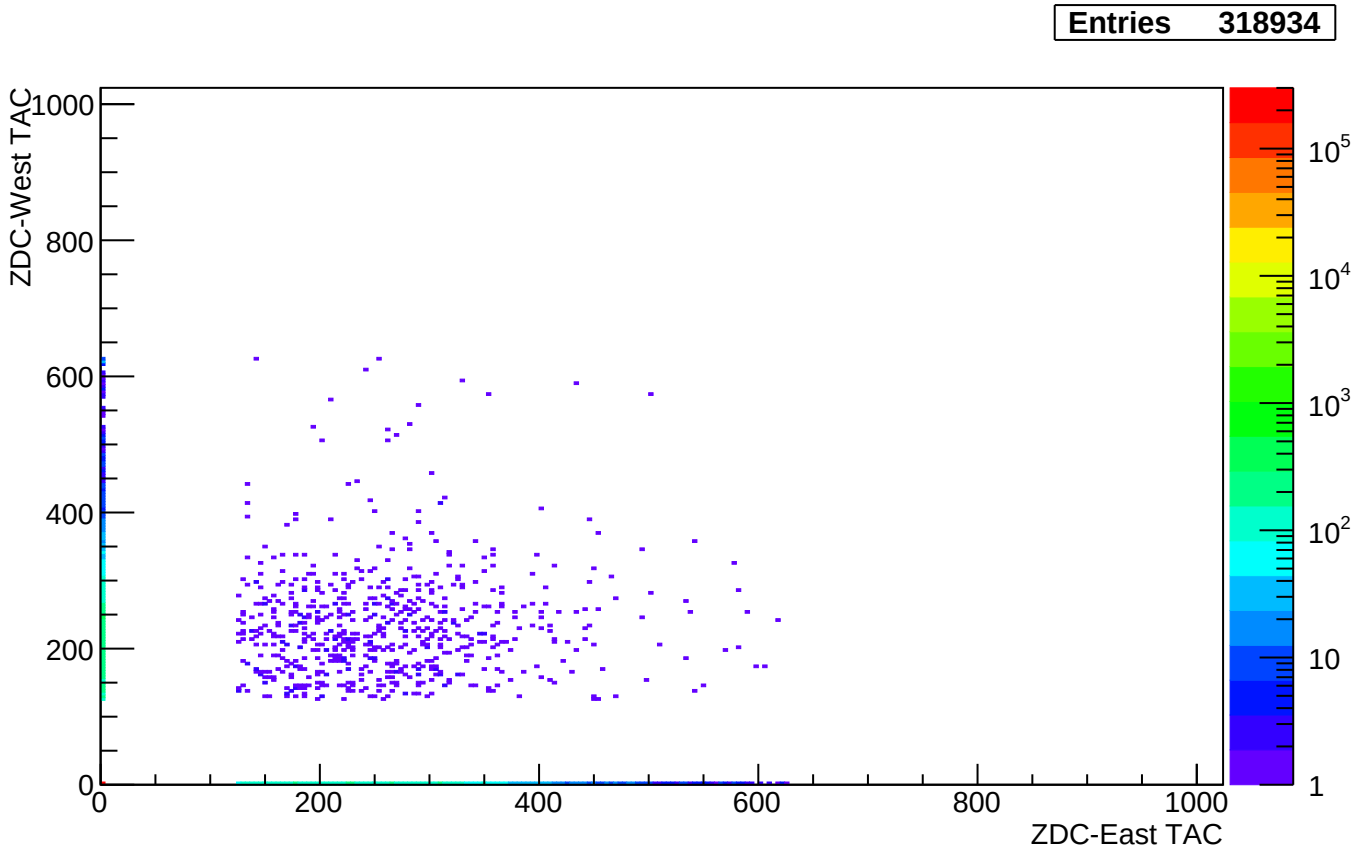

Entries 318934
TOF_Mult
VPD-East ADC Sum

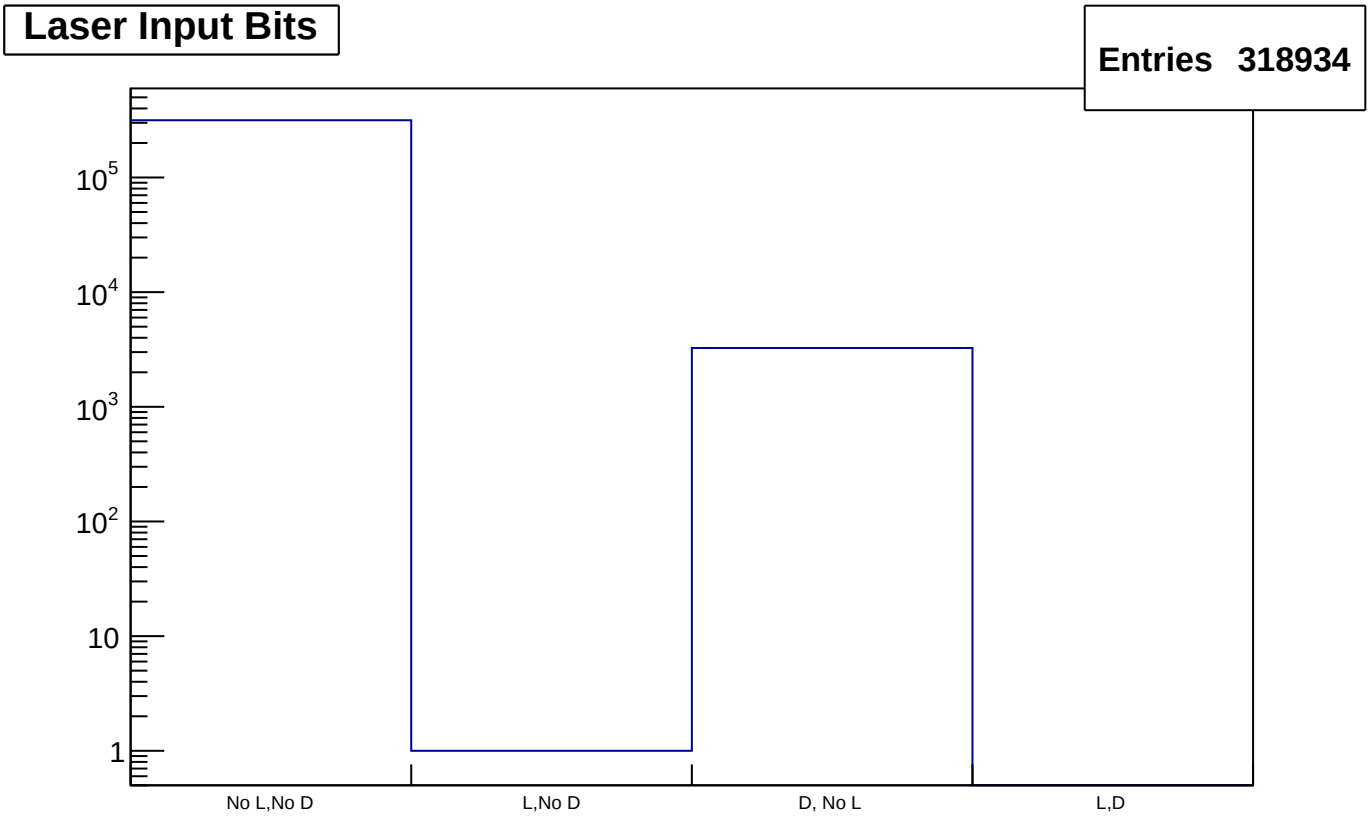

Entries 318934
TOF_Mult
VPD-West ADC Sum

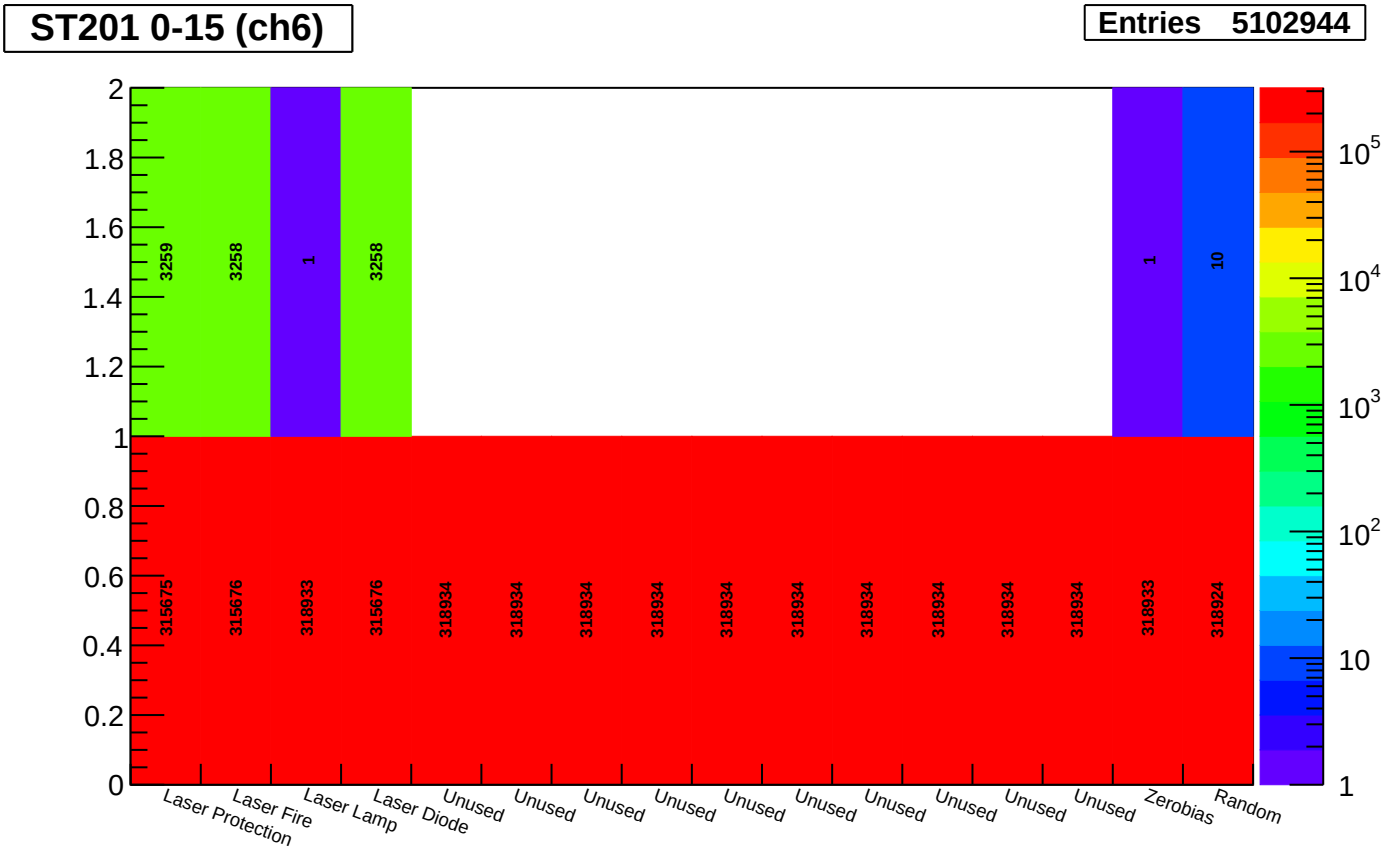

Entries 318934
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

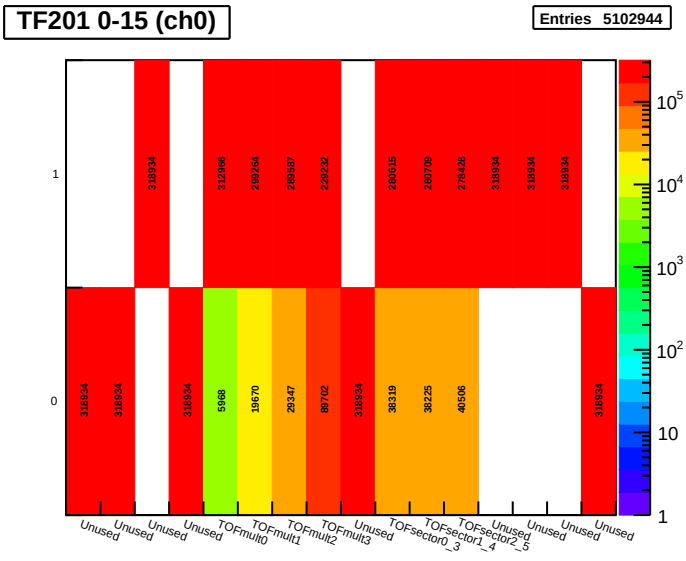

Entries 318934
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

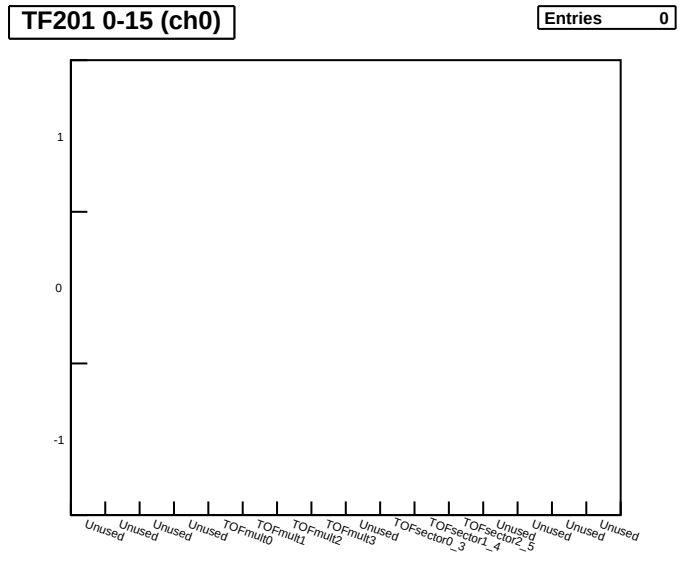

Entries 318934
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

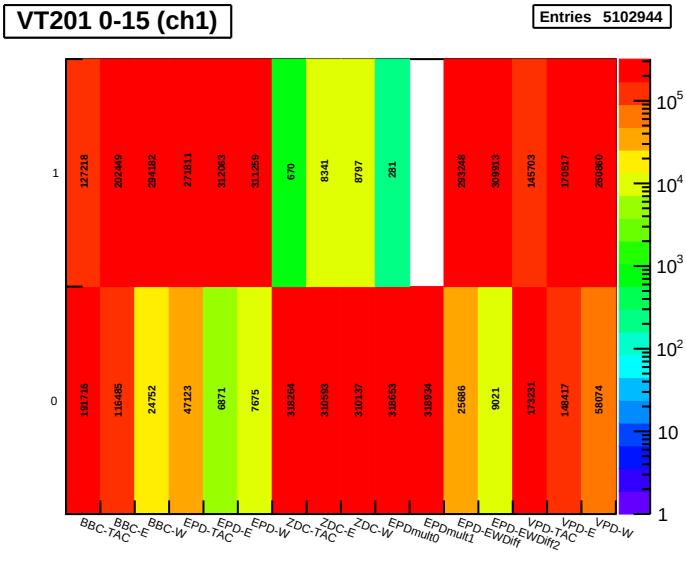

Entries 318934
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

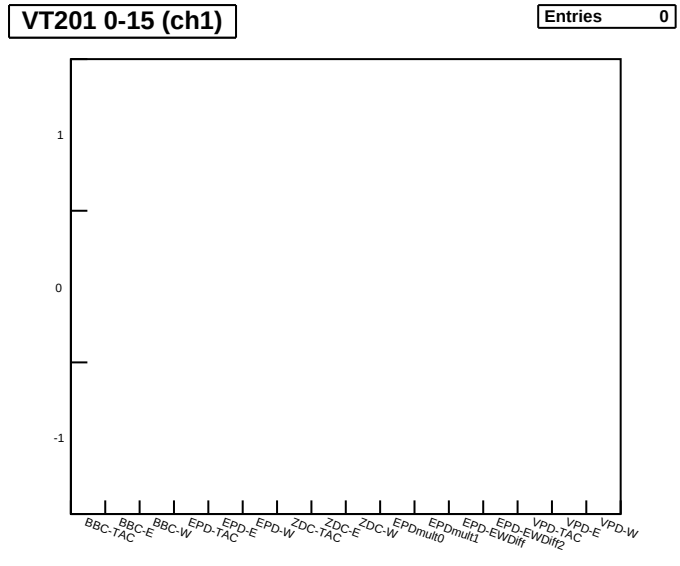

Laser Input Bits
Entries 318934
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

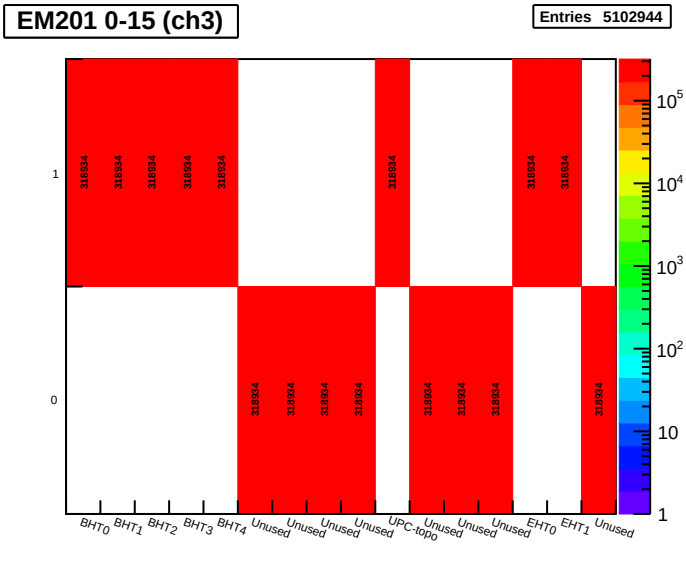

ST201 0-15 (ch6)
Entries 5102944
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3259
3258
1
3258
1
10
315675
315676
318933
315676
318934
318934
318934
318934
318934
318934
318934
318934
318934
318934
318933
318924
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

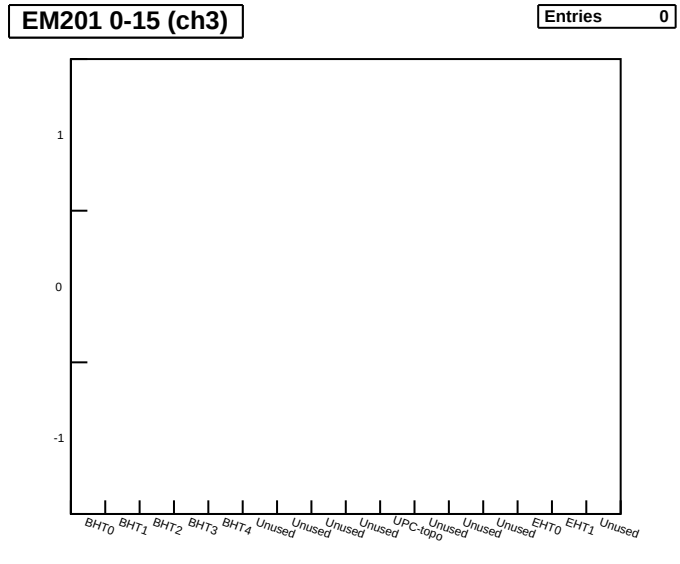

TF201 0-15 (ch0)
Entries 5102944
1
0
318934
312966
299264
289587
229232
280615
280709
276428
318934
318934
318934
318934
318934
318934
5968
19670
29347
89702
38319
38225
40506
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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 5102944
1
0
127218
202449
294182
271811
312063
311259
670
8341
8797
281
293248
309913
145703
170517
260860
191716
116485
24752
47123
6871
7675
318264
310593
310137
318653
318934
25686
9021
173231
148417
58074
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 5102944
1
0
318934
318934
318934
318934
318934
318934
318934
318934
318934
318934
318934
318934
318934
318934
318934
318934
318934
318934
318934
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
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
UPC-topo
EHT0
EHT1