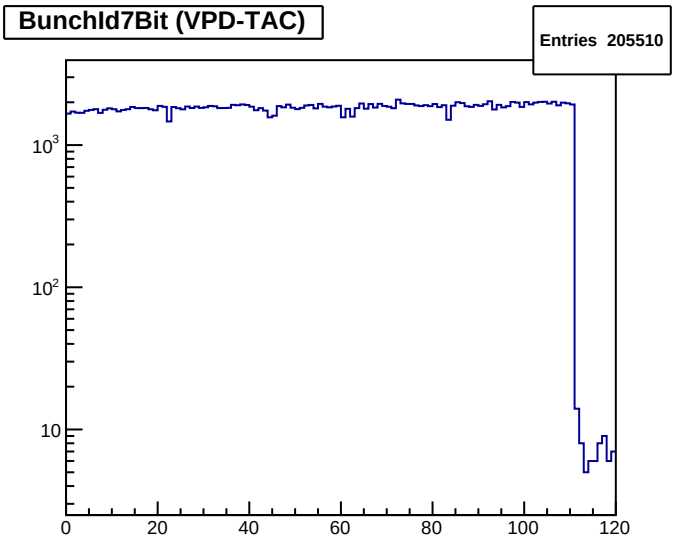
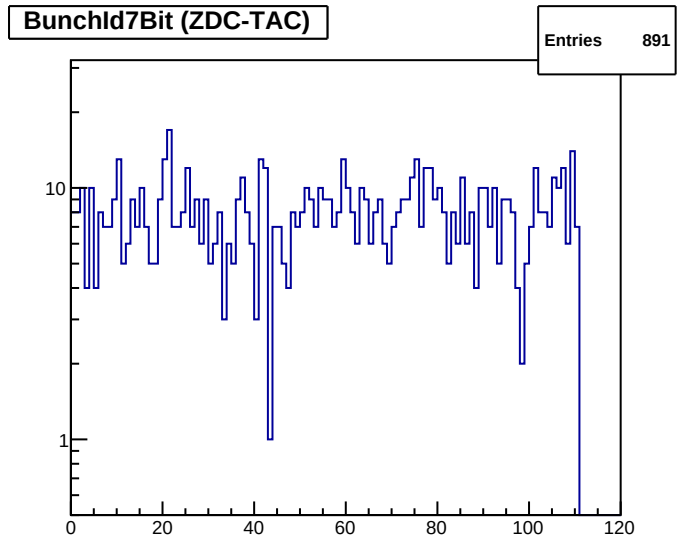
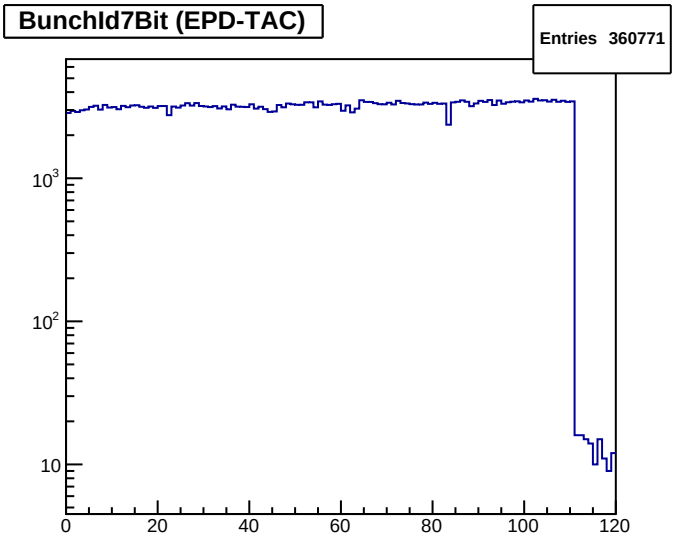
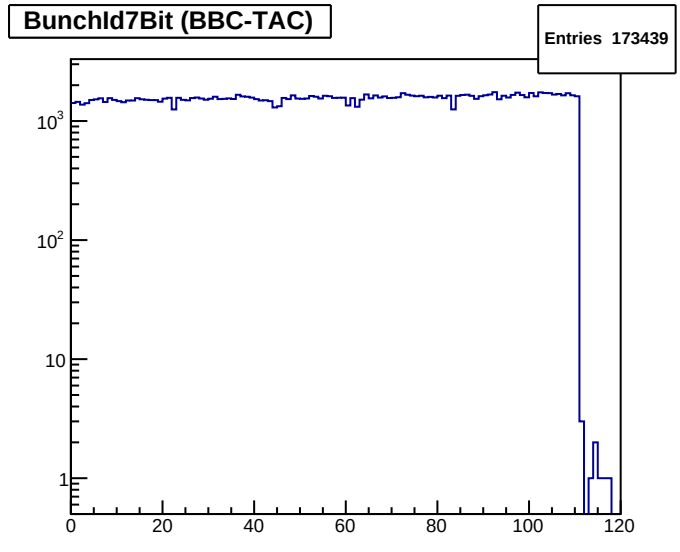
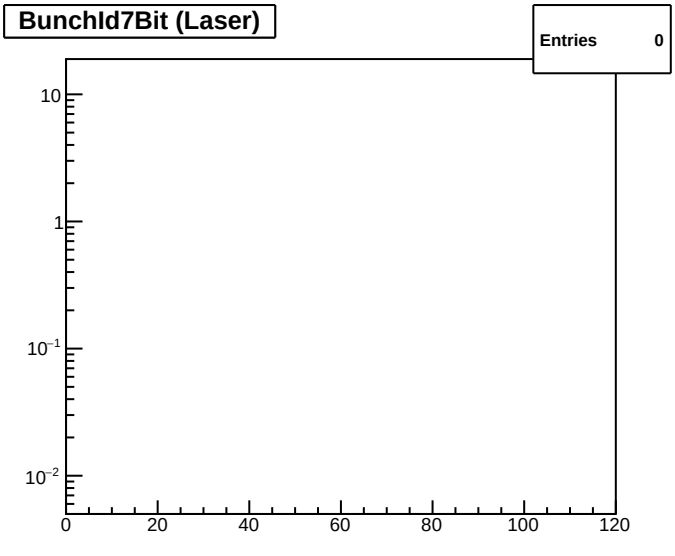
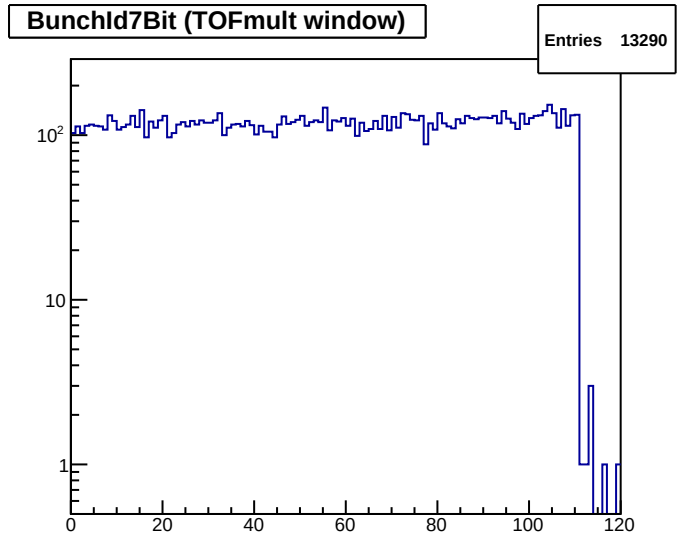

BunchId7Bit (VPD-TAC)
Entries 205510

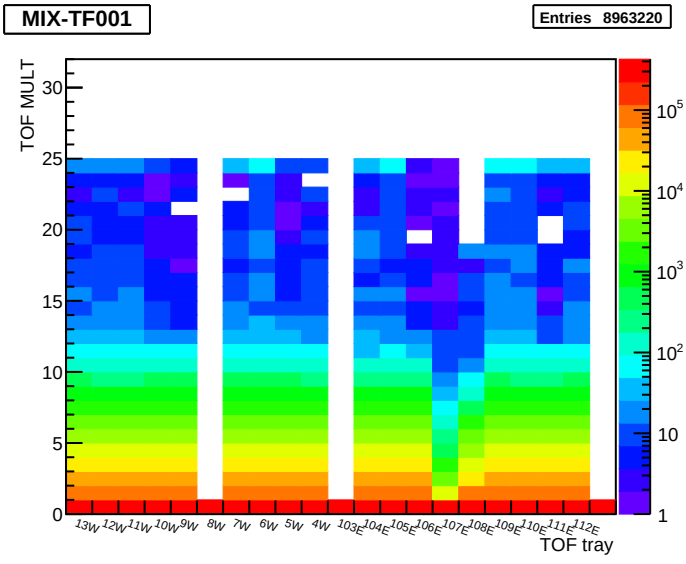

BunchId7Bit (ZDC-TAC)
Entries 891

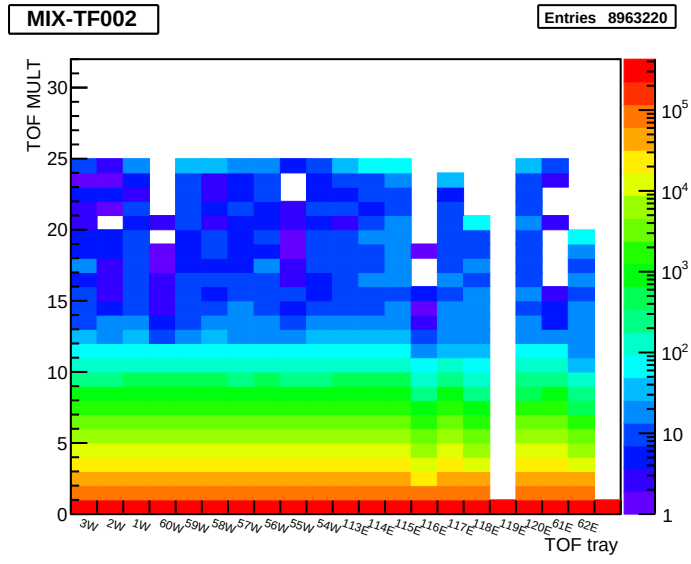

BunchId7Bit (EPD-TAC)
Entries 360771

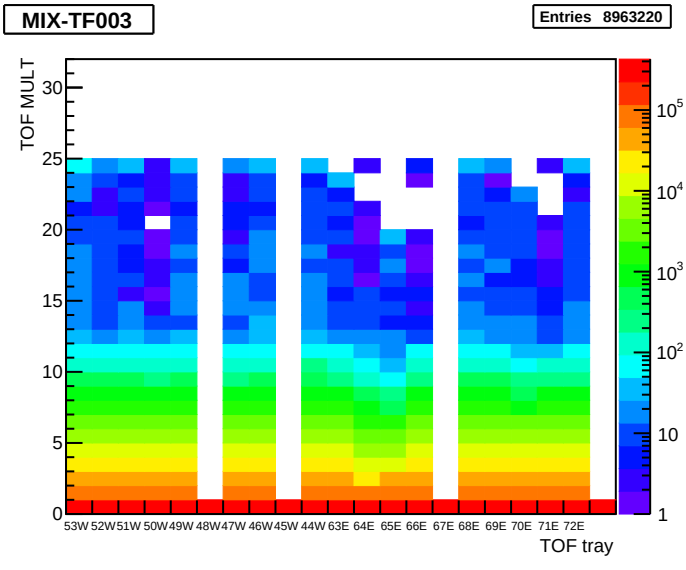

BunchId7Bit (BBC-TAC)
Entries 173439

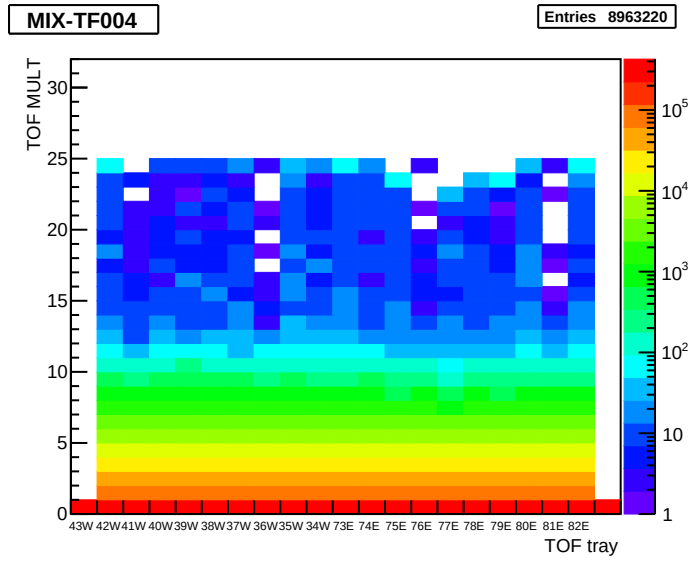

BunchId7Bit (Laser)
Entries 0

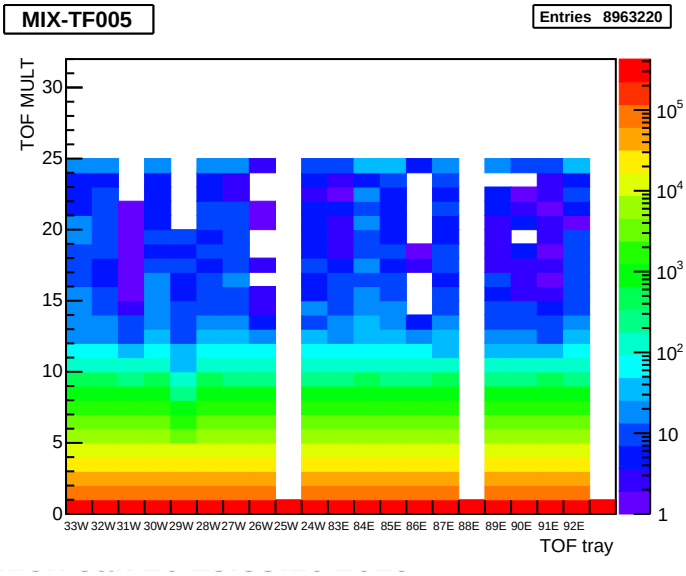

BunchId7Bit (TOFmult window)
Entries 13290

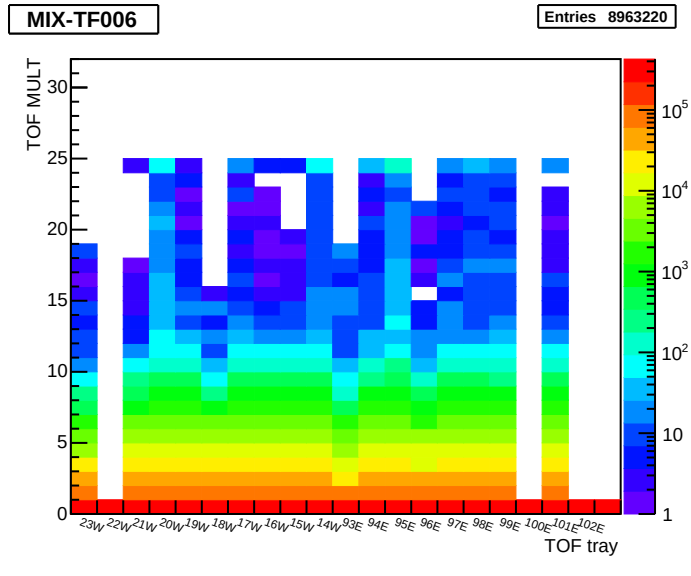

MIX-TF001
Entries 8963220
TOF MULT
TOF tray

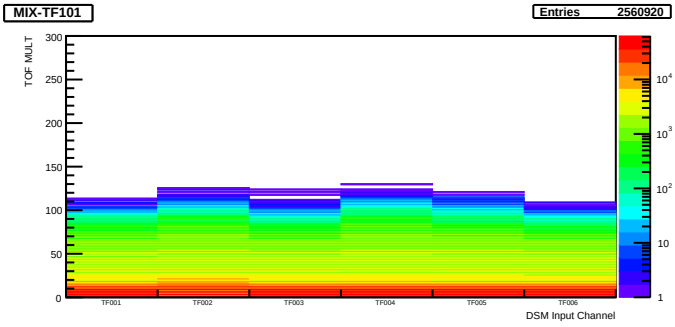

MIX-TF002
Entries 8963220
TOF MULT
TOF tray

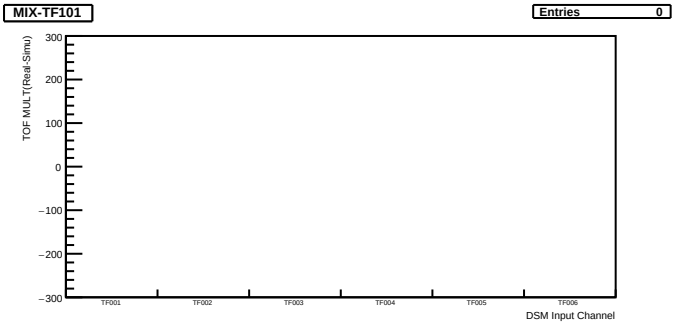

MIX-TF003
Entries 8963220
TOF MULT
TOF tray

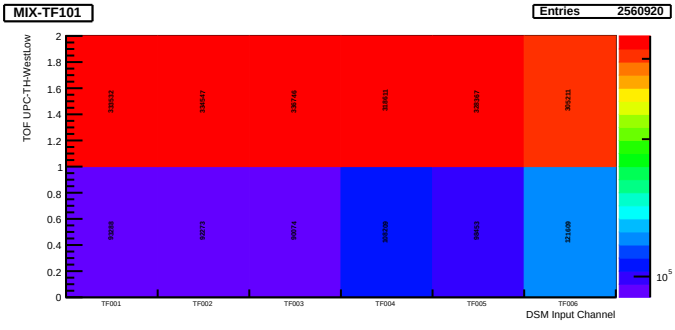

MIX-TF004
Entries 8963220
TOF MULT
TOF tray

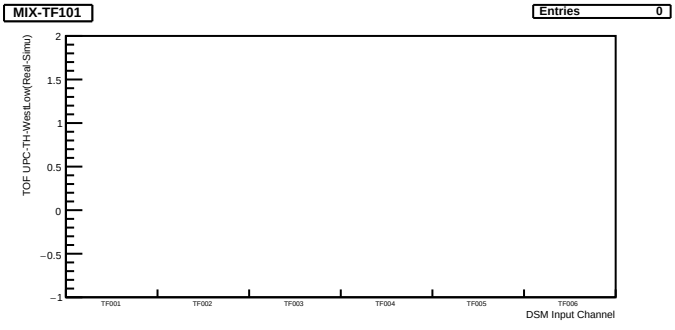

MIX-TF005
Entries 8963220
TOF MULT
TOF tray

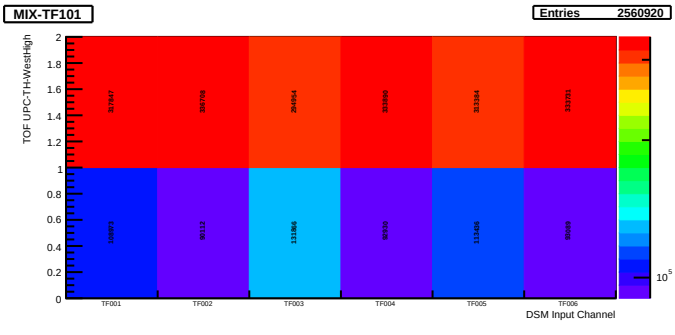

MIX-TF006
Entries 8963220
TOF MULT
TOF tray

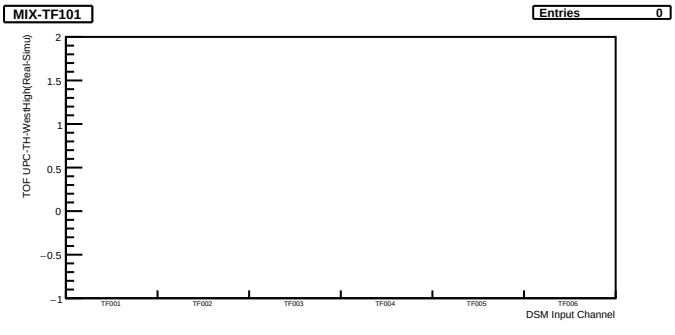

MIX-TF101
Entries 2560920
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

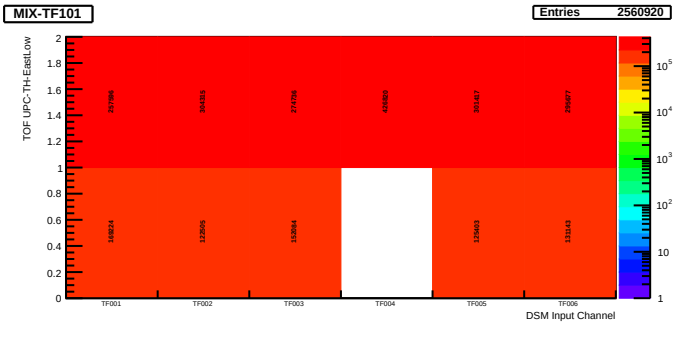

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

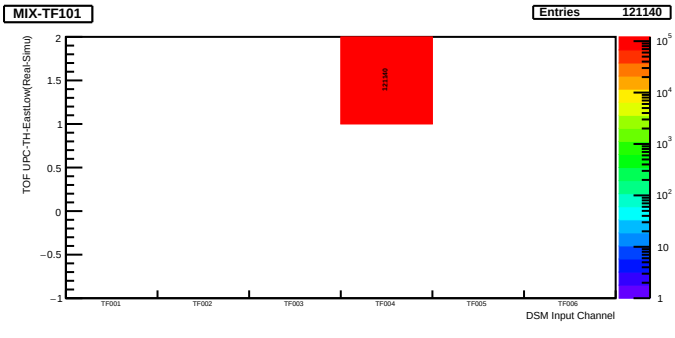

MIX-TF101
Entries 2560920
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

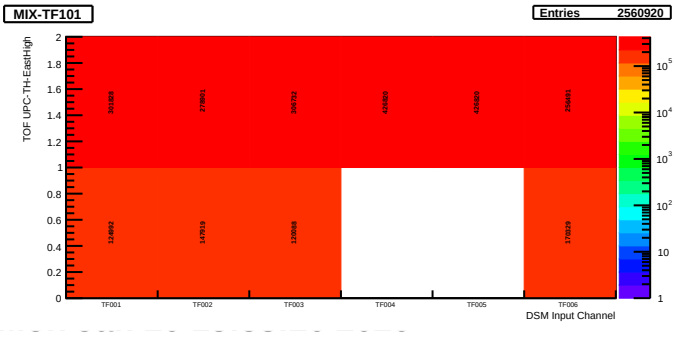

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

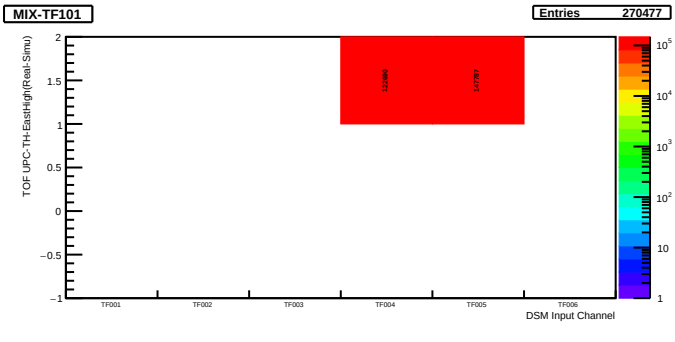

MIX-TF101
Entries 2560920
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

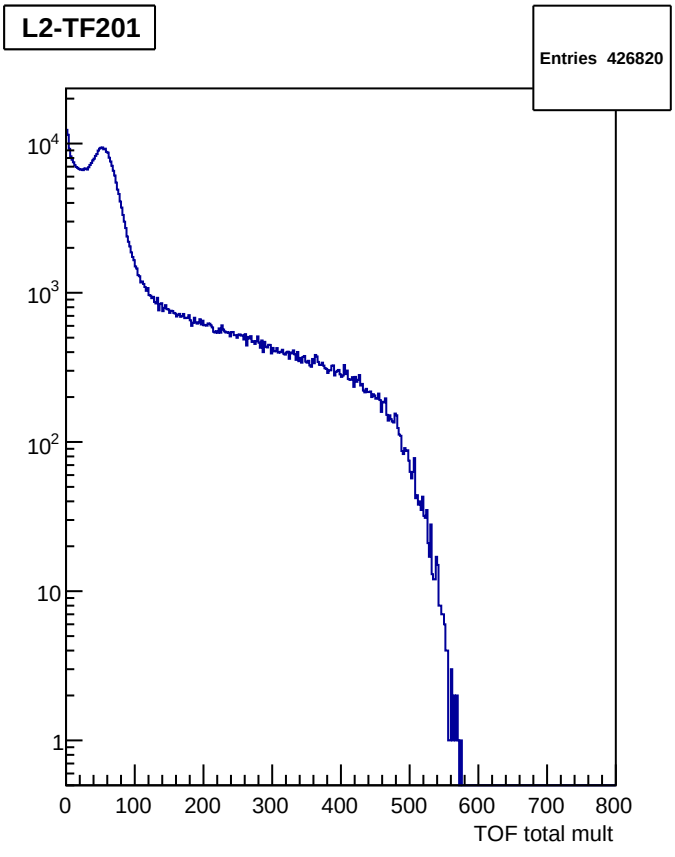

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

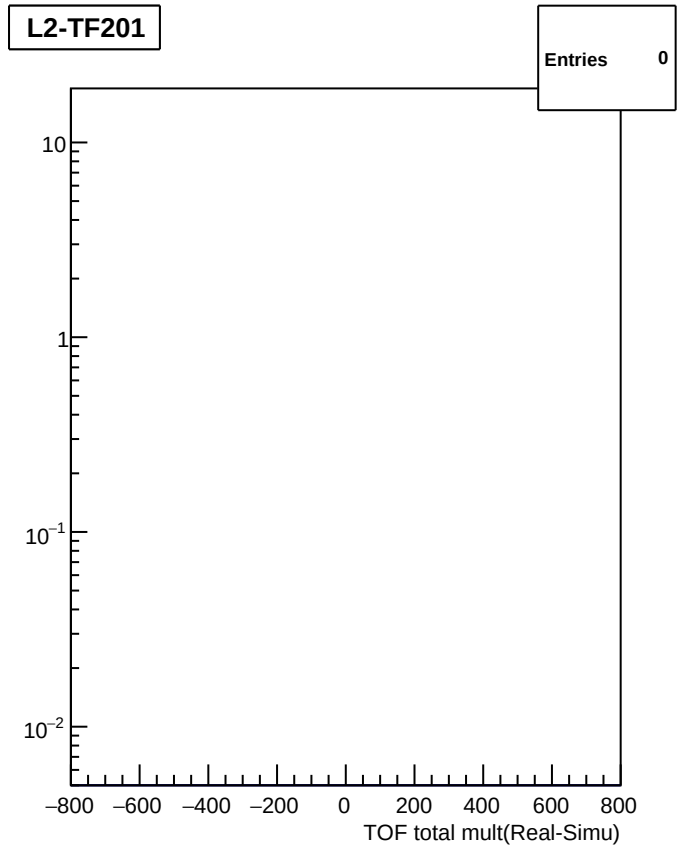

MIX-TF101
Entries 2560920
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

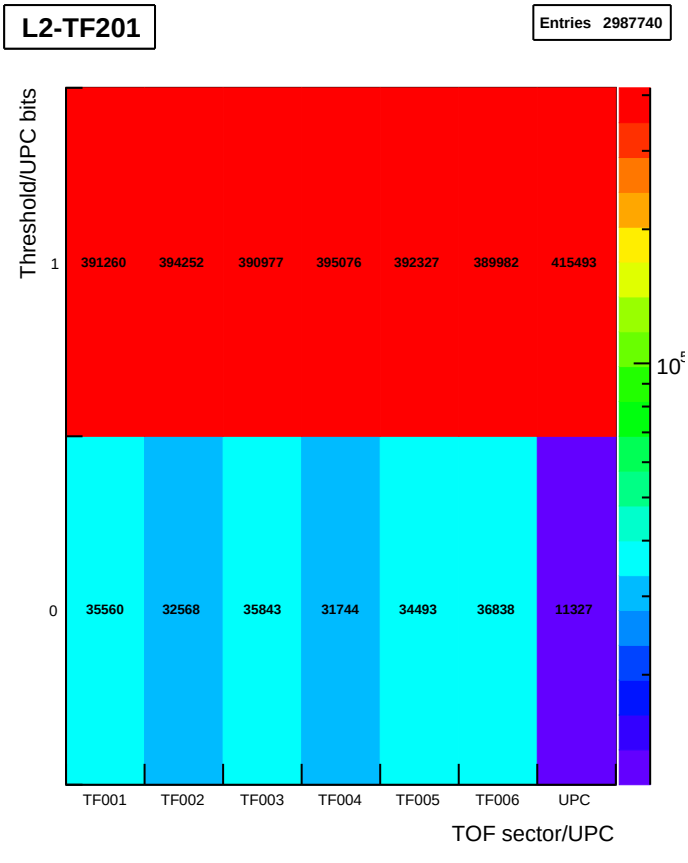

MIX-TF101
Entries 121140
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

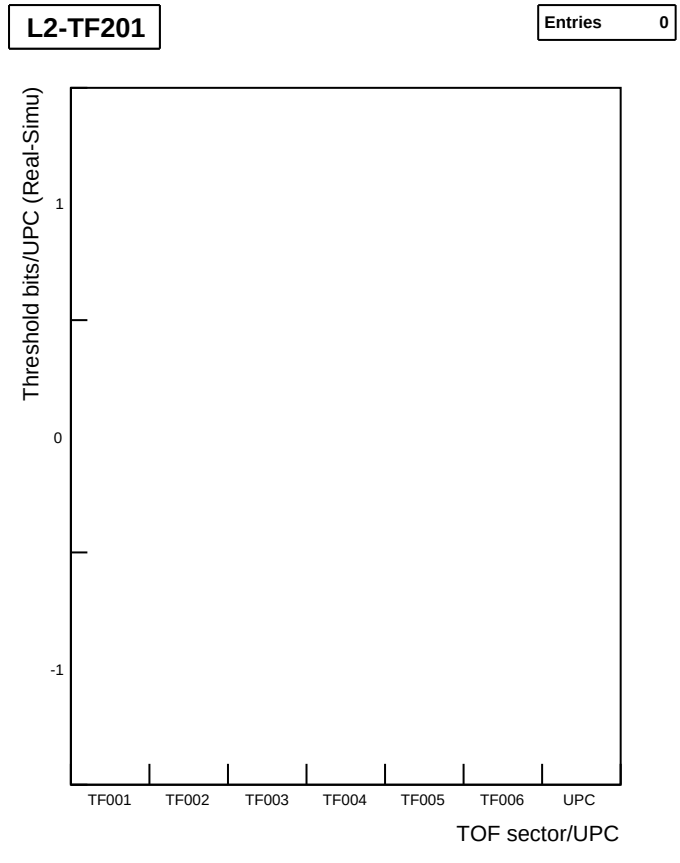

MIX-TF101
Entries 2560920
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

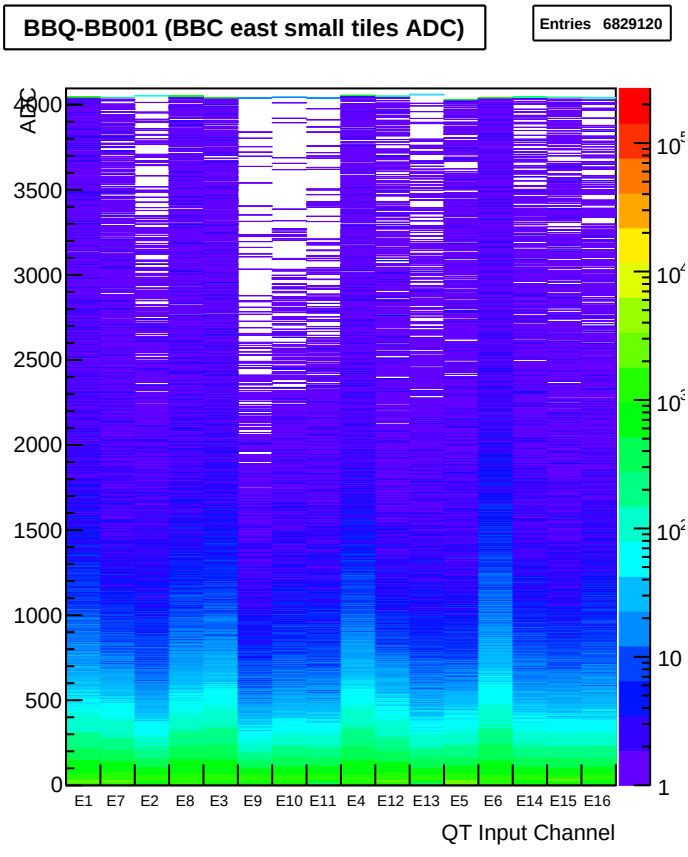

MIX-TF101
Entries 270477
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

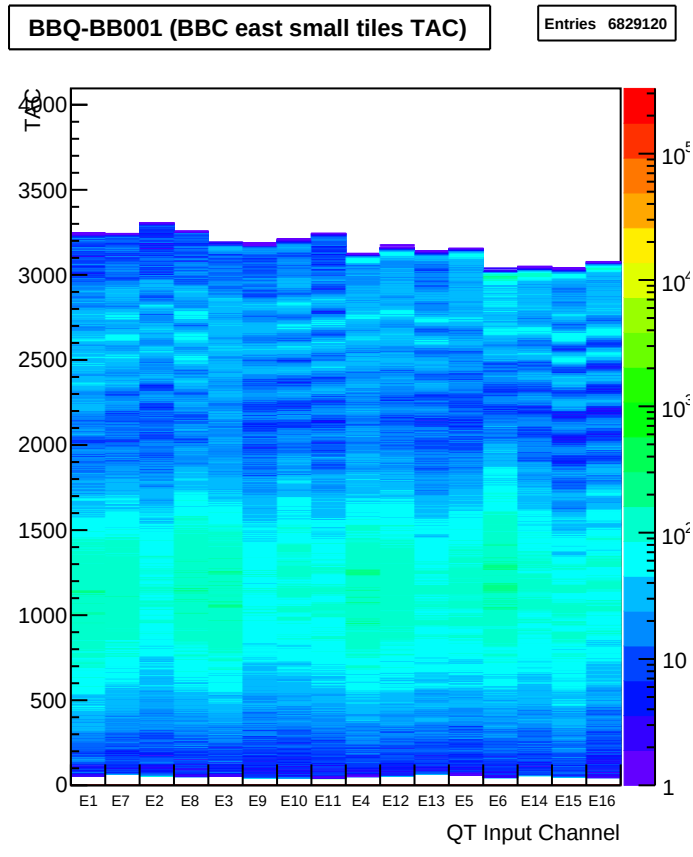

L2-TF201
Entries 426820
TOF total mult

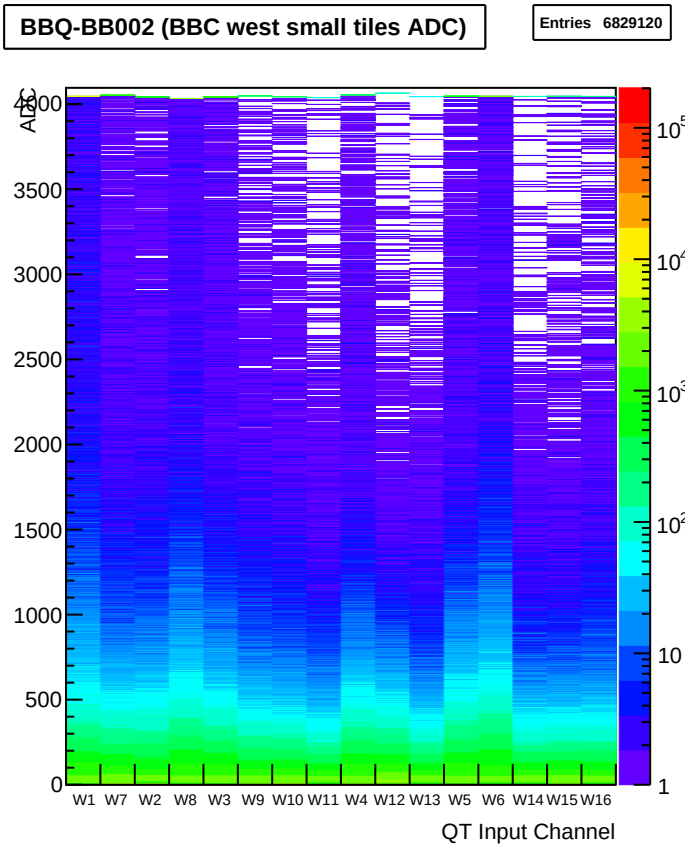

L2-TF201
Entries 0
TOF total mult(Real-Simu)

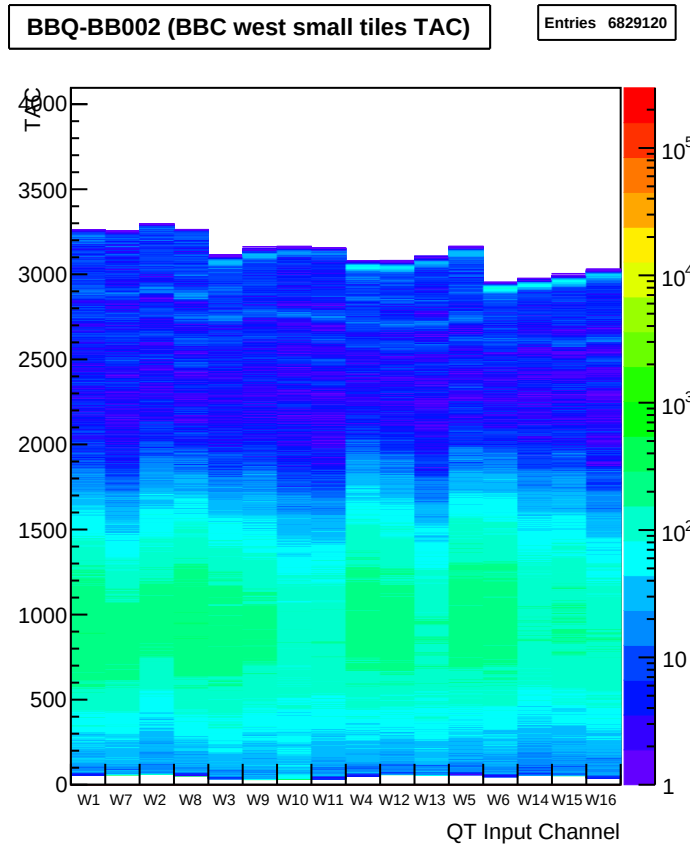

L2-TF201
Entries 2987740
Threshold/UPC bits
391260
394252
390977
395076
392327
389982
415493
35560
32568
35843
31744
34493
36838
11327
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

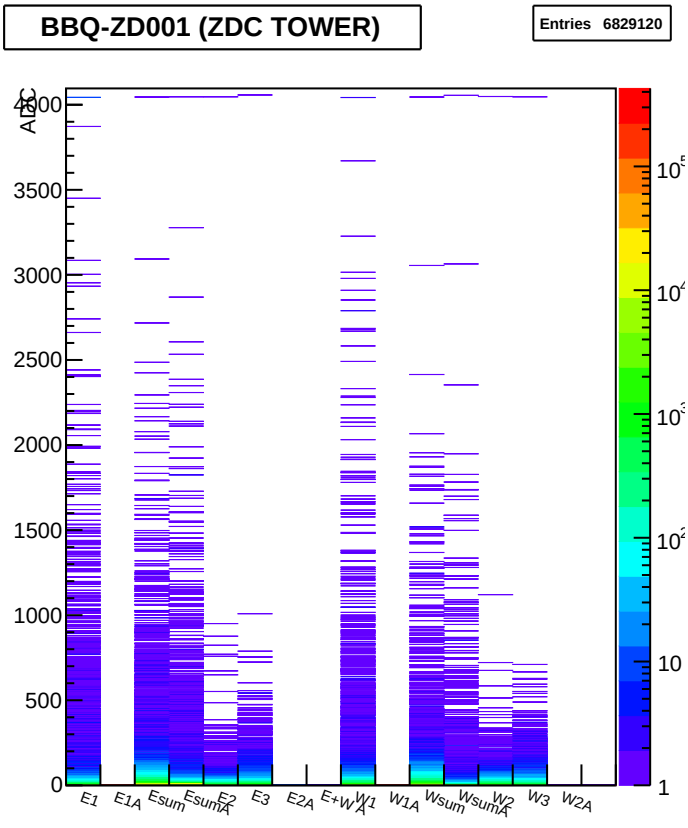

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

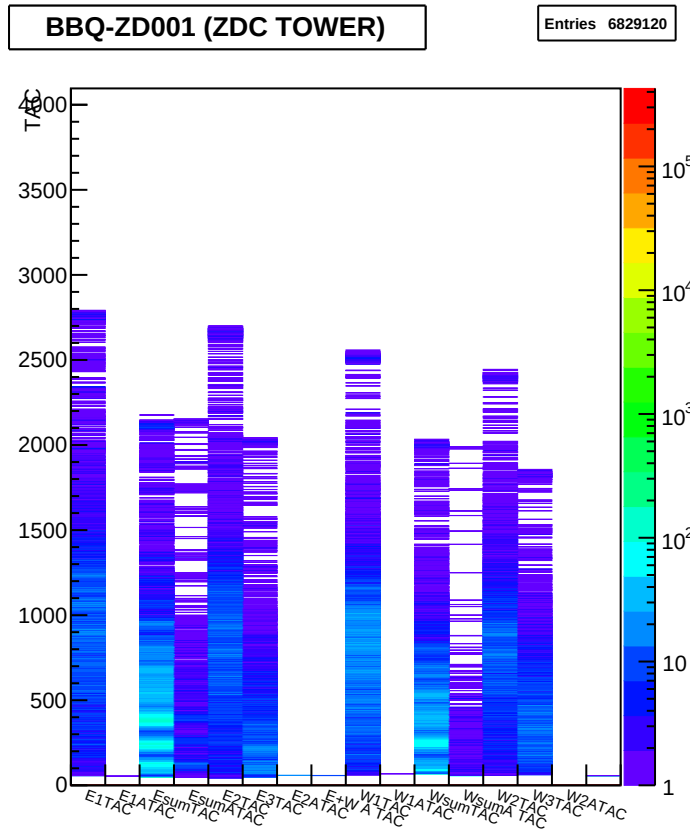

BBQ-BB001 (BBC east small tiles ADC)
Entries 6829120
ADC
0
500
1000
1500
2000
2500
3000
3500
4000
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16
QT Input Channel
1
10
10^2
10^3
10^4
10^5

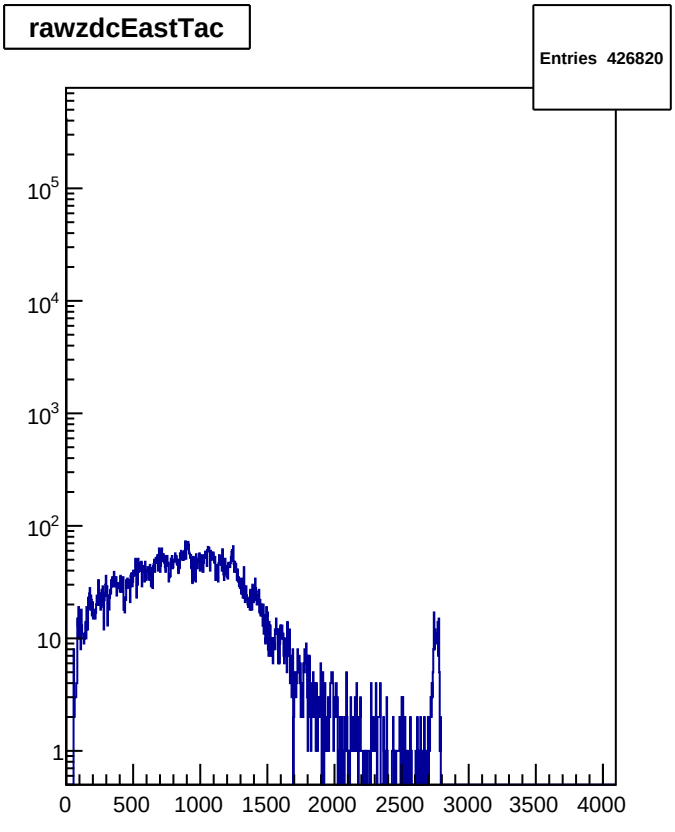

BBQ-BB001 (BBC east small tiles TAC)
Entries 6829120
TAC
0
500
1000
1500
2000
2500
3000
3500
4000
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16
QT Input Channel
1
10
10^2
10^3
10^4
10^5

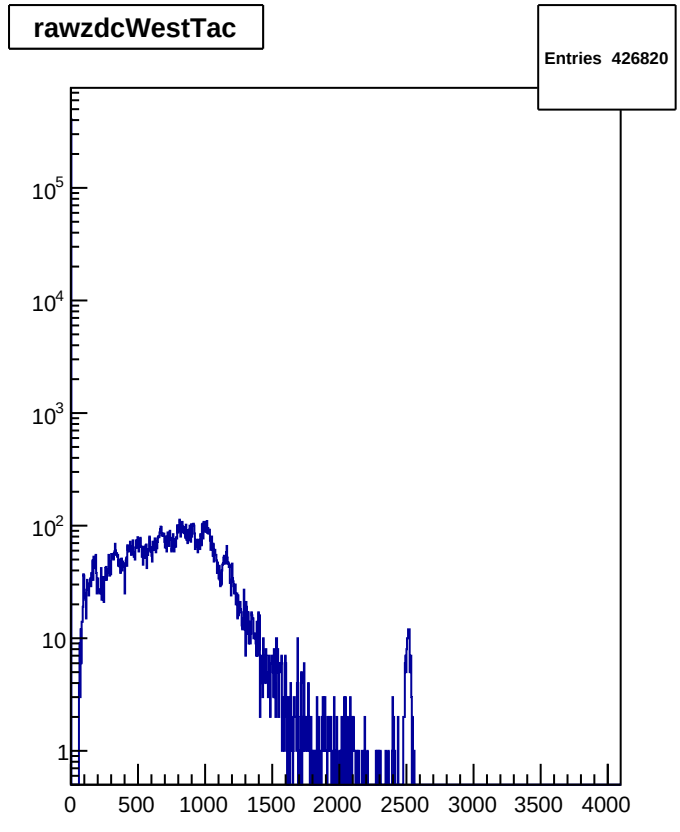

BBQ-BB002 (BBC west small tiles ADC)
Entries 6829120
ADC
0
500
1000
1500
2000
2500
3000
3500
4000
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16
QT Input Channel
1
10
10^2
10^3
10^4
10^5

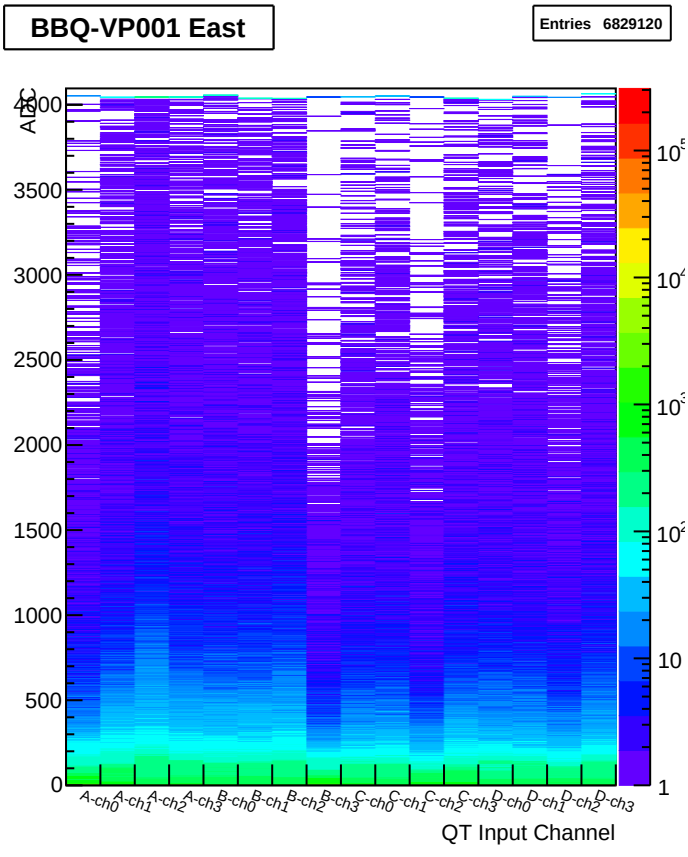

BBQ-BB002 (BBC west small tiles TAC)
Entries 6829120
TAC
0
500
1000
1500
2000
2500
3000
3500
4000
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16
QT Input Channel
1
10
10^2
10^3
10^4
10^5

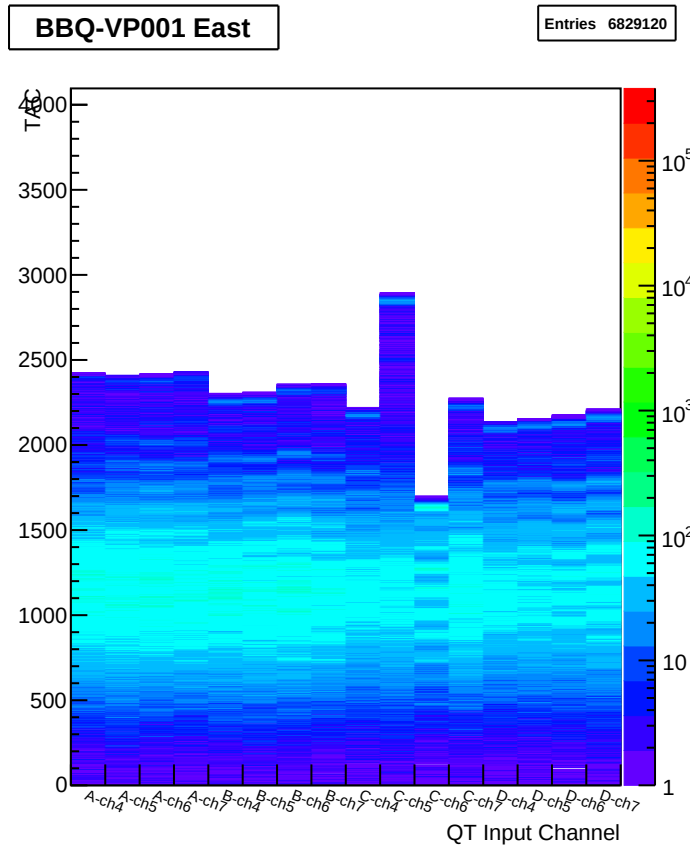

BBQ-ZD001 (ZDC TOWER)
Entries 6829120
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1A
W1A
Wsum
WsumA
W2
W3
W2A

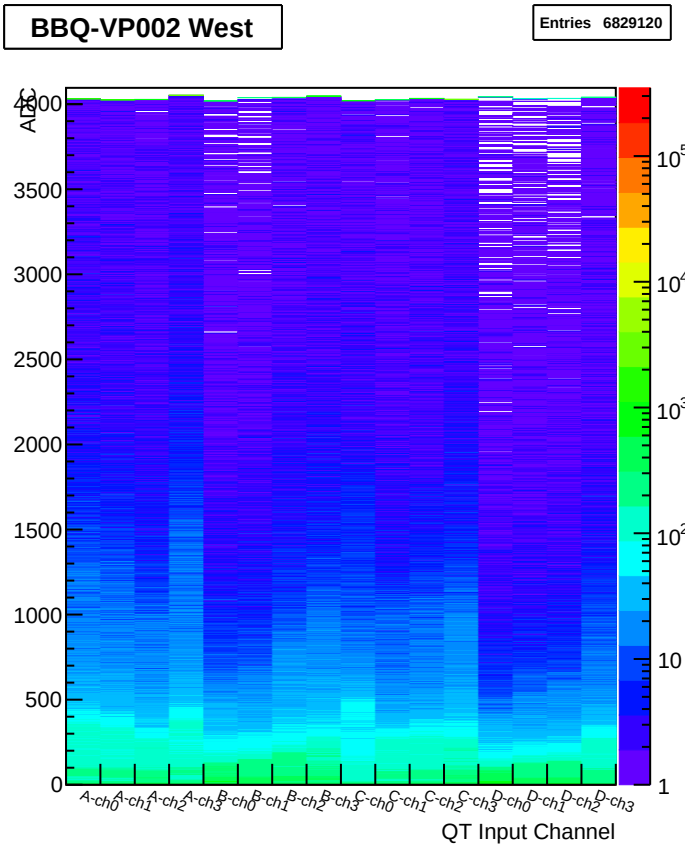

BBQ-ZD001 (ZDC TOWER)
Entries 6829120
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

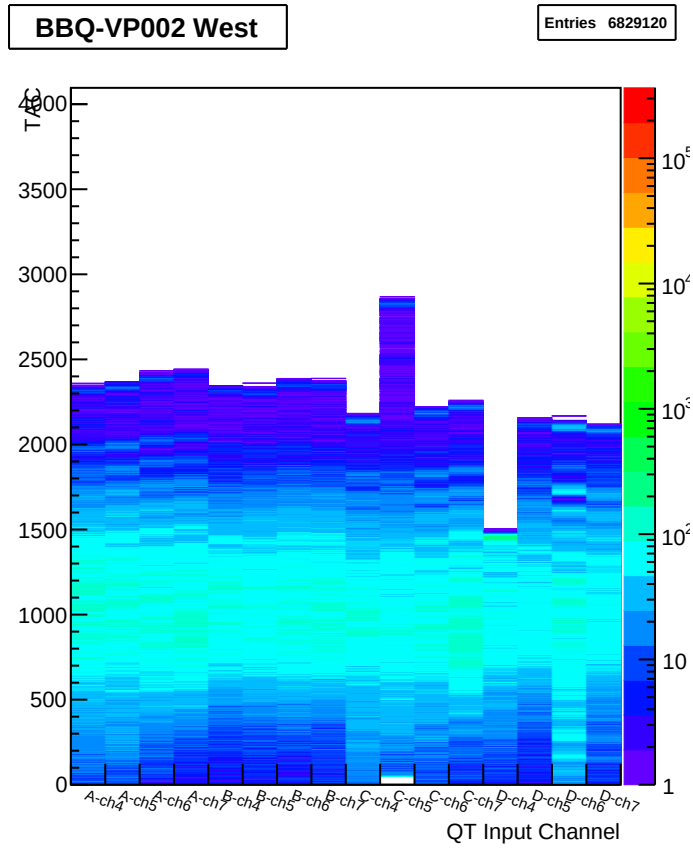

rawzdcEastTac
Entries 426820

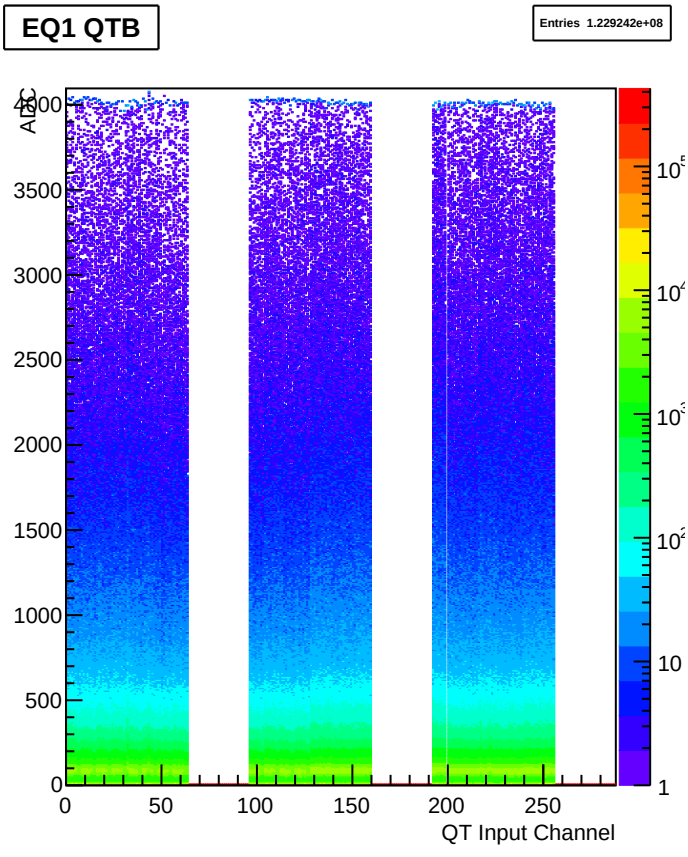

rawzdcWestTac
Entries 426820

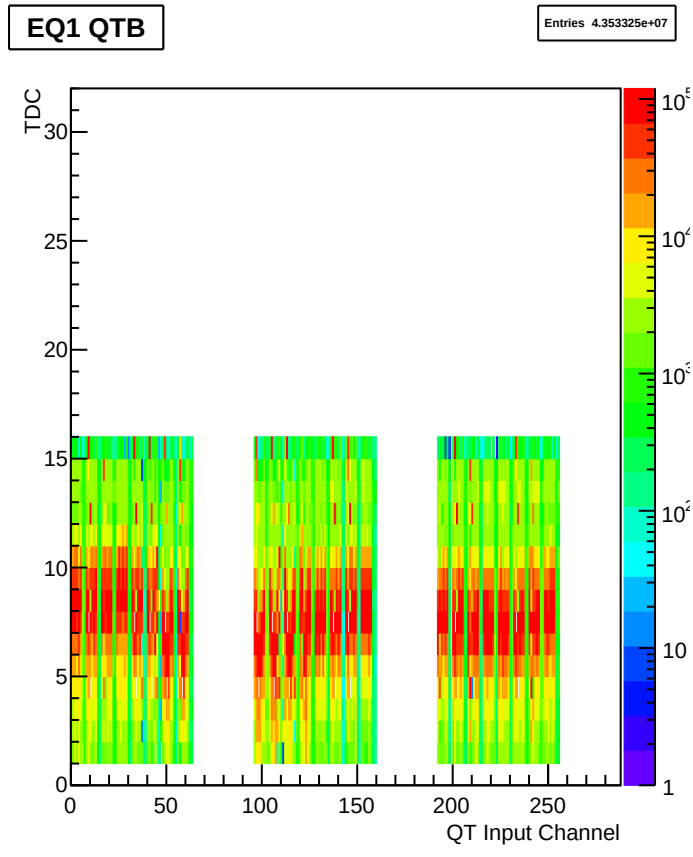

BBQ-VP001 East
Entries 6829120
ADC
QT Input Channel

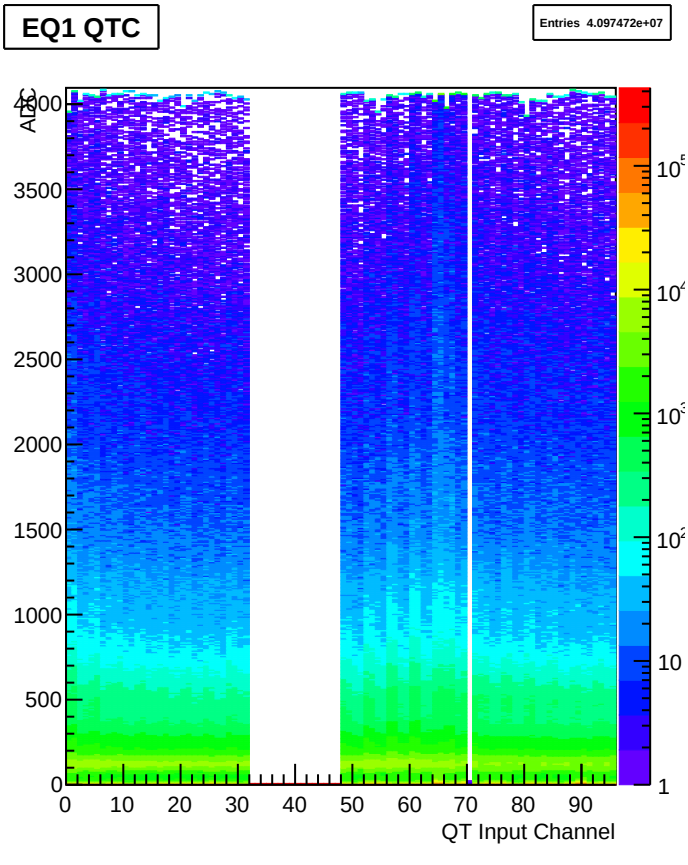

BBQ-VP001 East
Entries 6829120
TADC
QT Input Channel

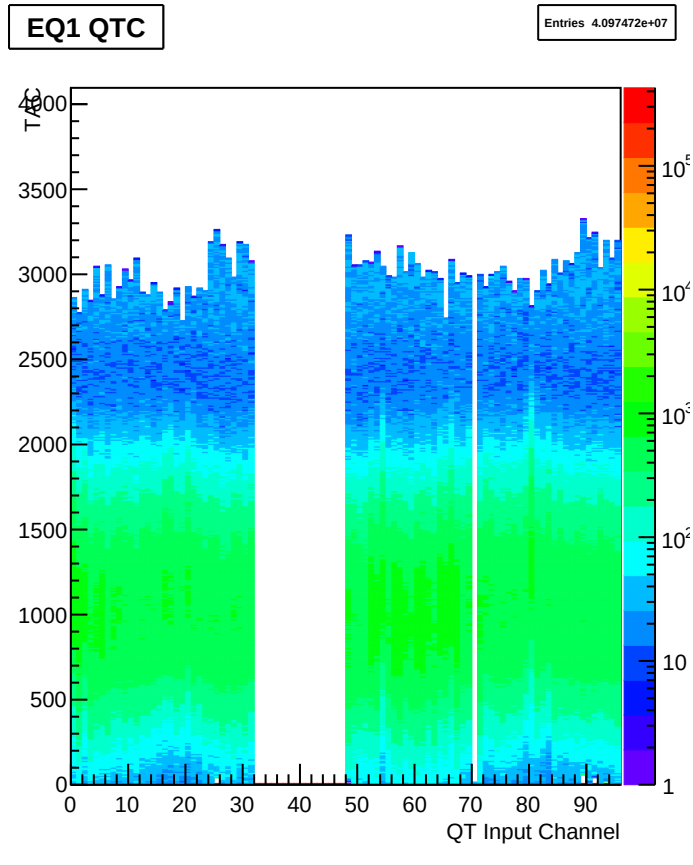

BBQ-VP002 West
Entries 6829120
ADC
QT Input Channel

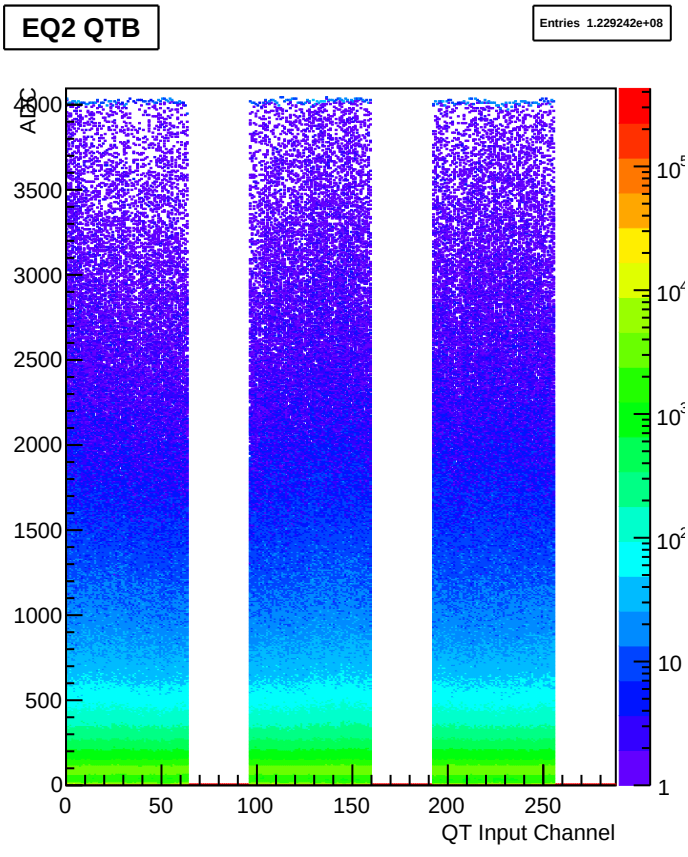

BBQ-VP002 West
Entries 6829120
TADC
QT Input Channel

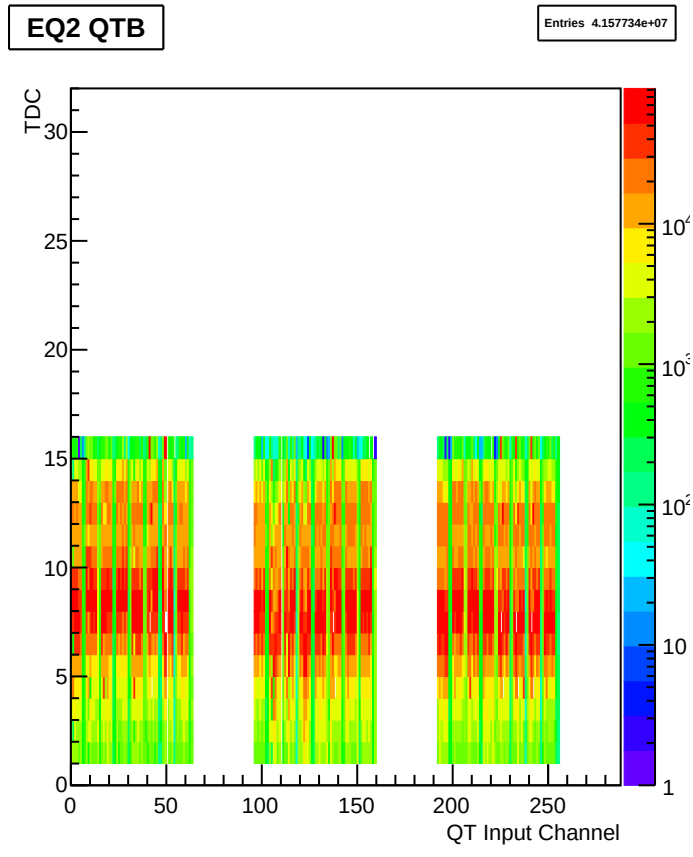

EQ1 QTB
Entries 1.229242e+08
ADC
QT Input Channel

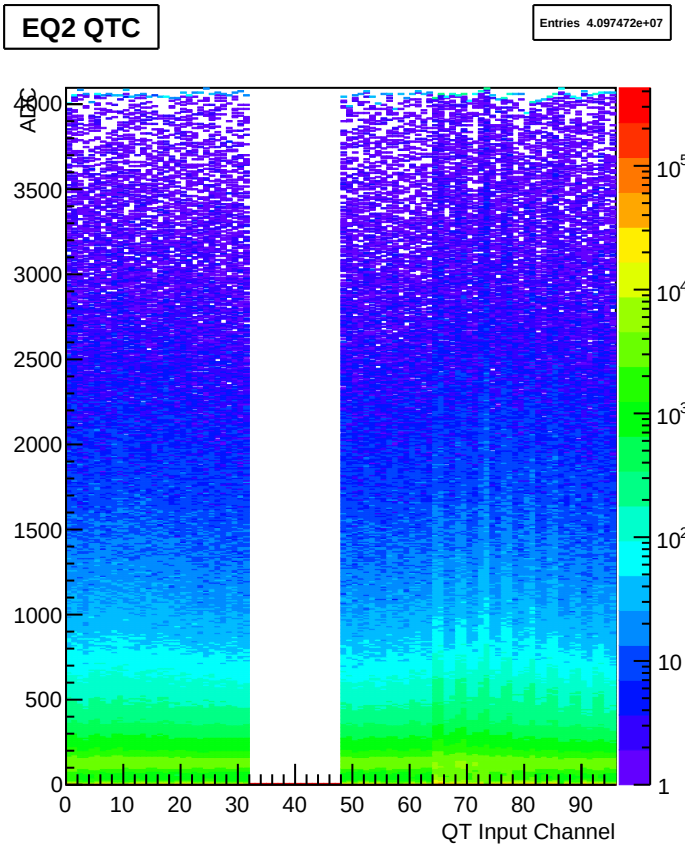

EQ1 QTB
Entries 4.353325e+07
TDC
QT Input Channel

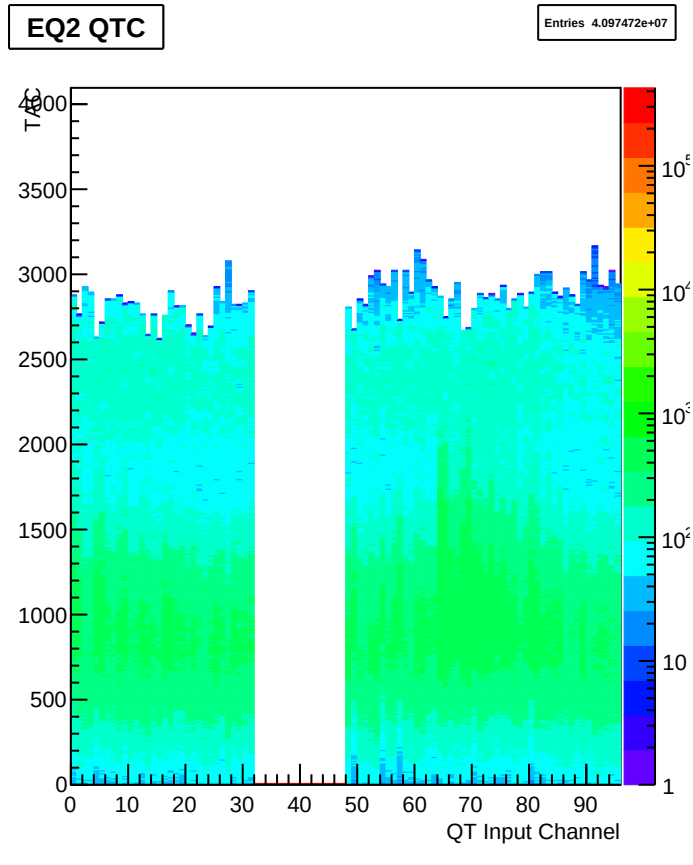

EQ1 QTC
Entries 4.097472e+07
ADC
QT Input Channel

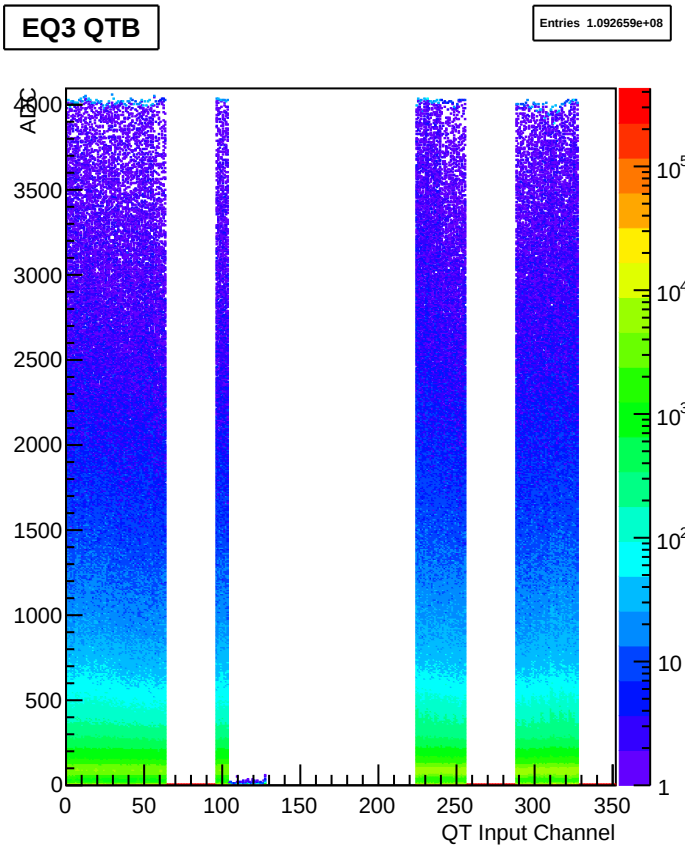

EQ1 QTC
Entries 4.097472e+07
TADC
QT Input Channel

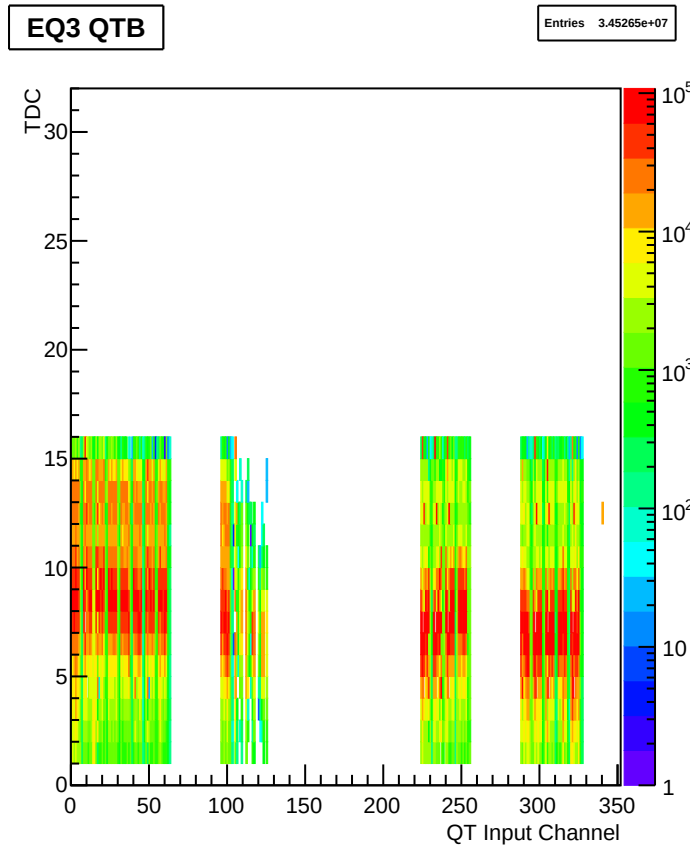

EQ2 QTB
Entries 1.229242e+08
ADC
QT Input Channel

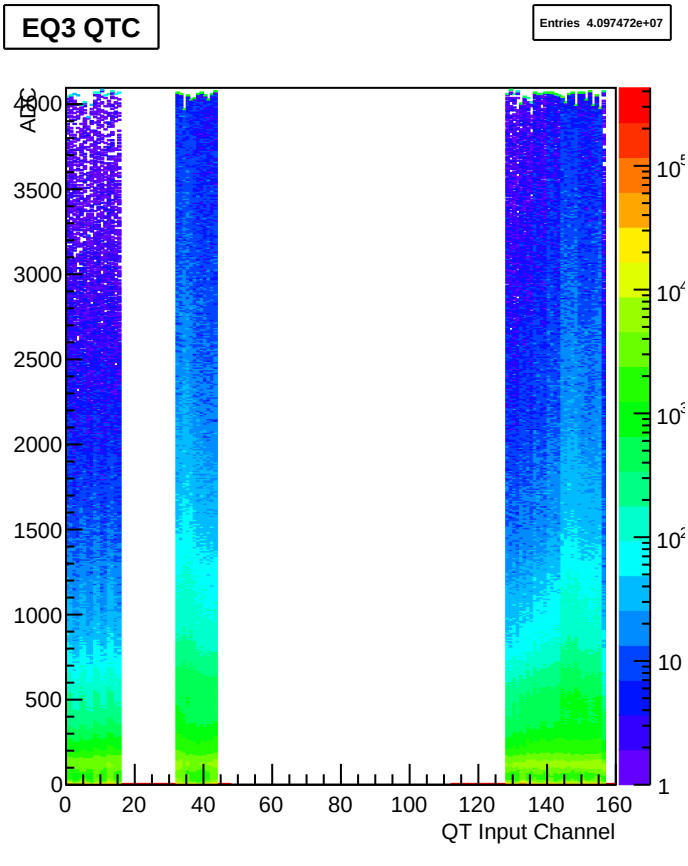

EQ2 QTB
Entries 4.157734e+07
TDC
QT Input Channel

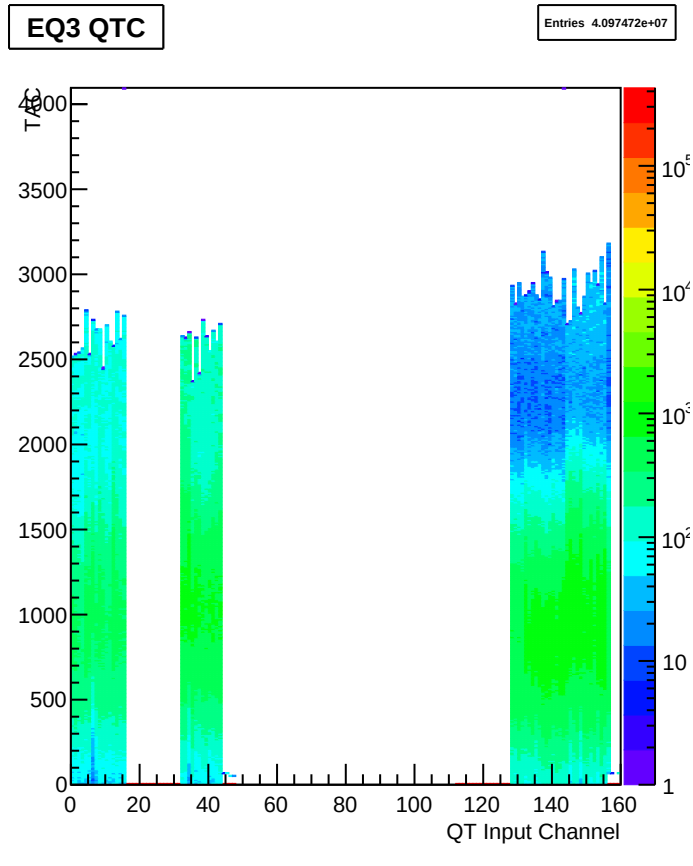

EQ2 QTC
Entries 4.097472e+07
ADC
QT Input Channel

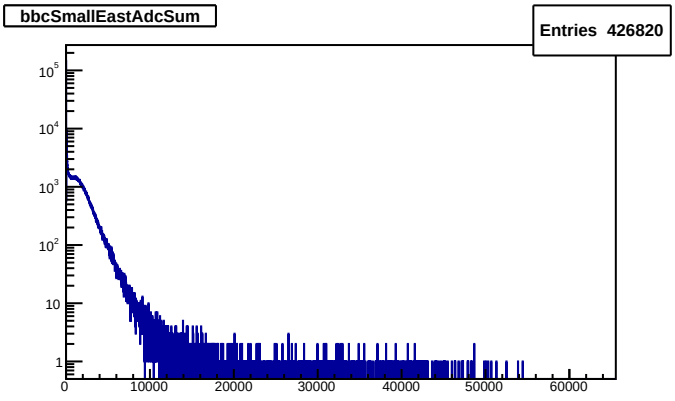

EQ2 QTC
Entries 4.097472e+07
TADC
QT Input Channel

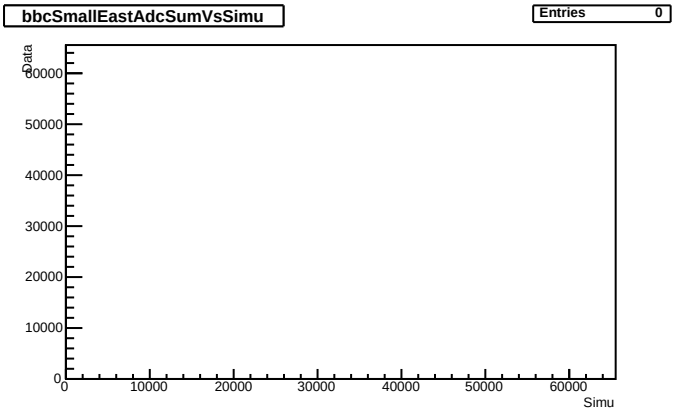

EQ3 QTB
Entries 1.092659e+08
ADC
QT Input Channel

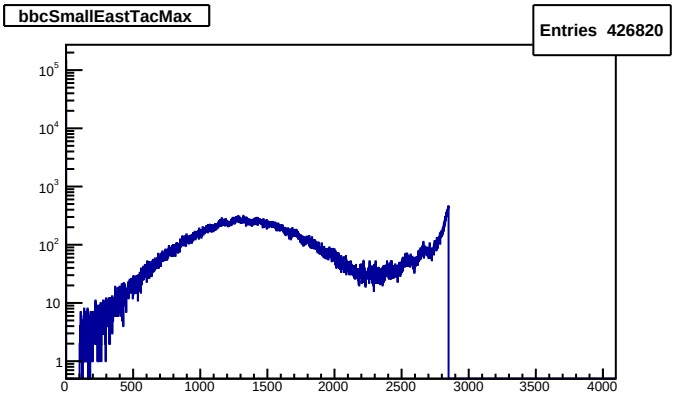

EQ3 QTB
Entries 3.45265e+07
TDC
QT Input Channel

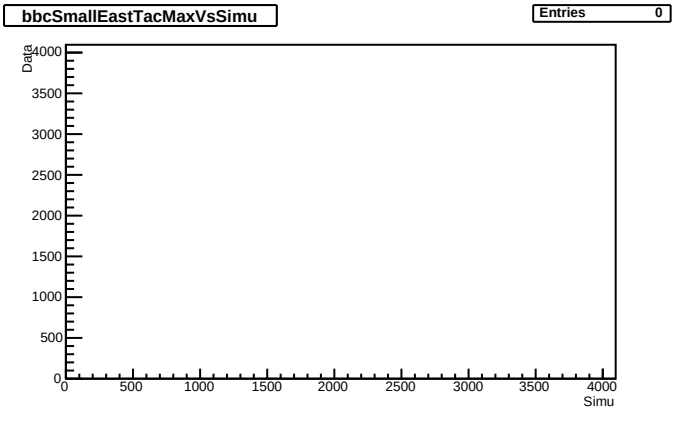

EQ3 QTC
Entries 4.097472e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.097472e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 426820


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 426820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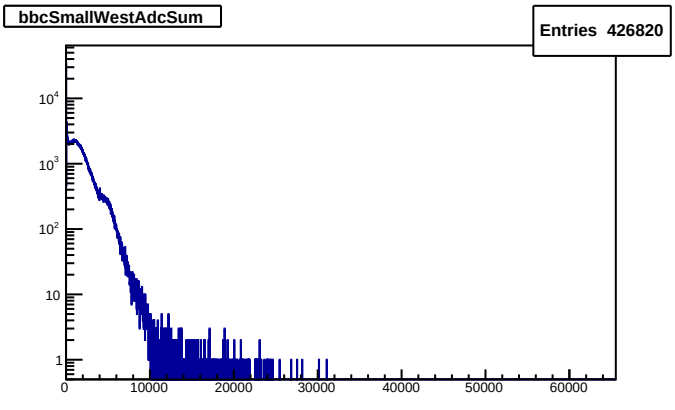
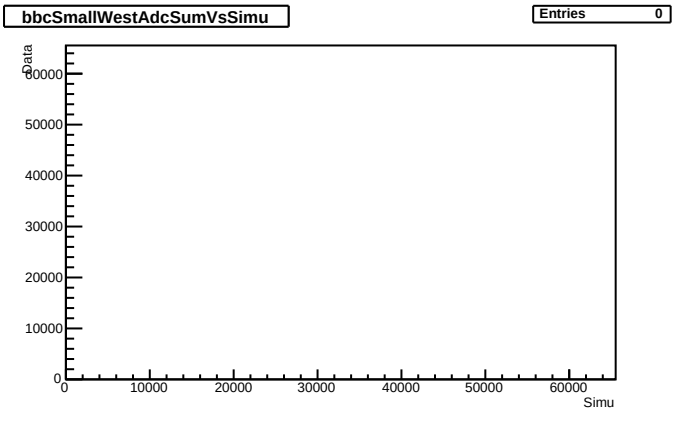
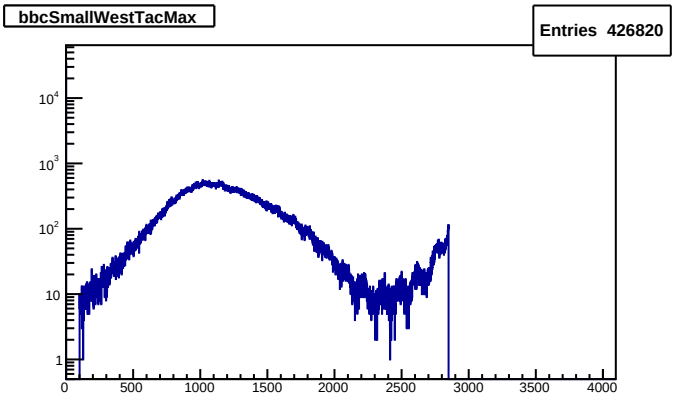
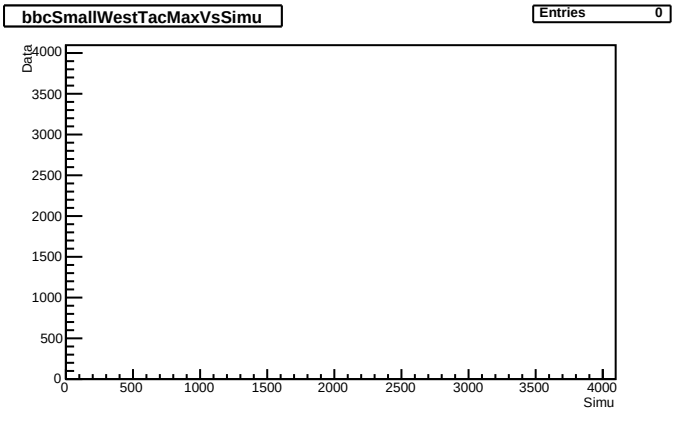
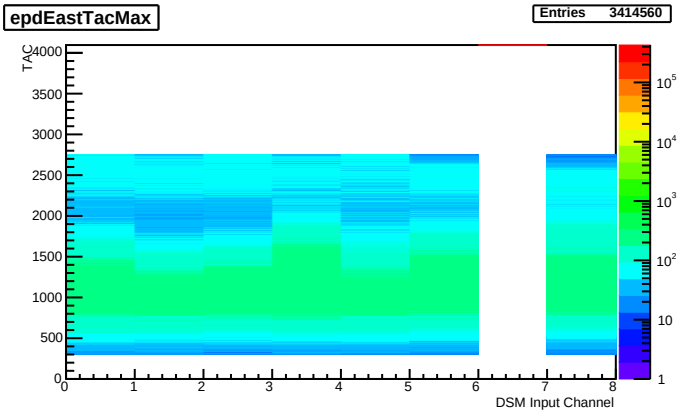
Entries 0
Data
Simu

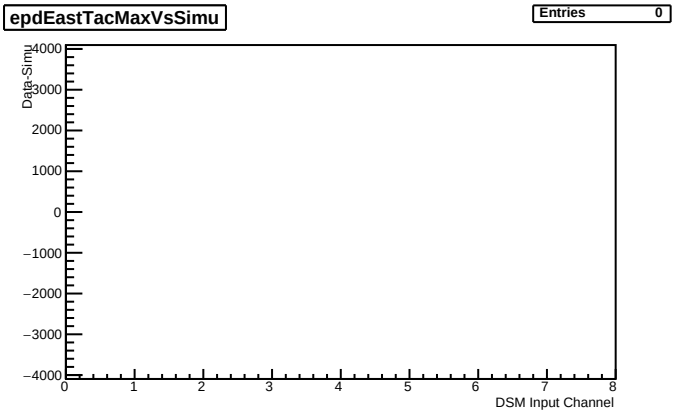

bbcSmallWestAdcSum
Entries 426820

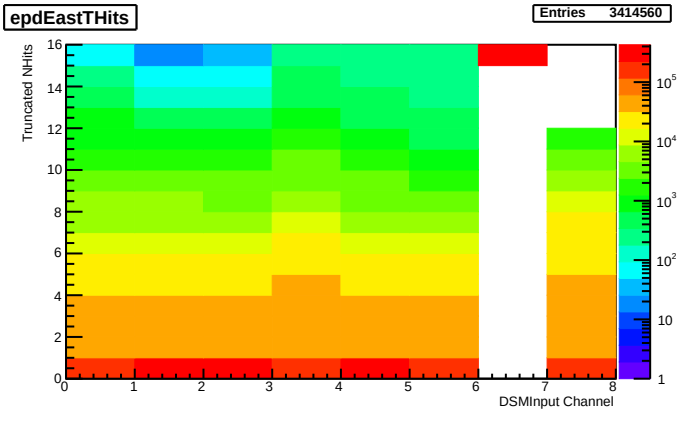

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

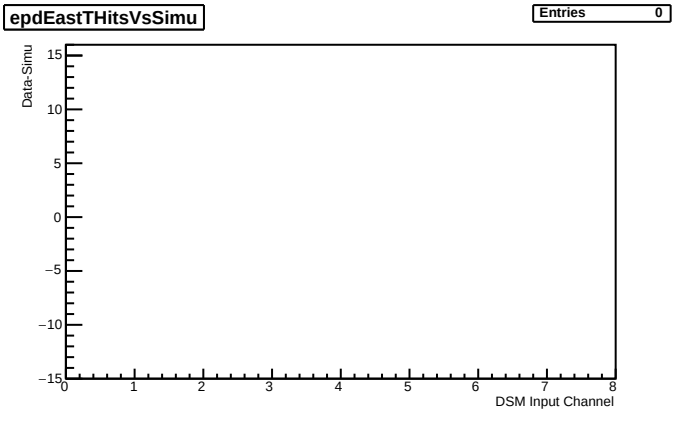

bbcSmallWestTacMax
Entries 426820


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 3414560
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3414560
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
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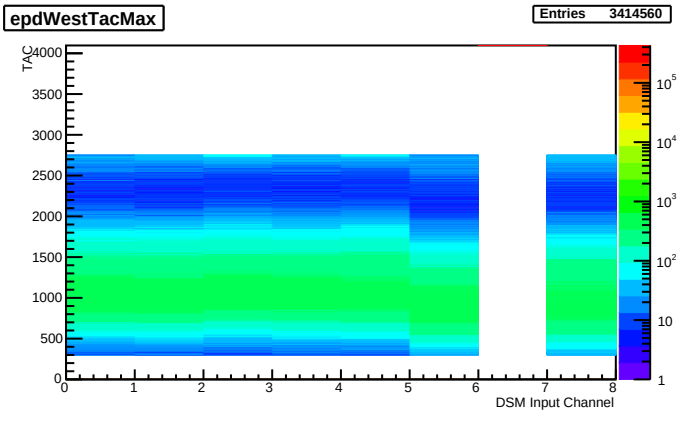
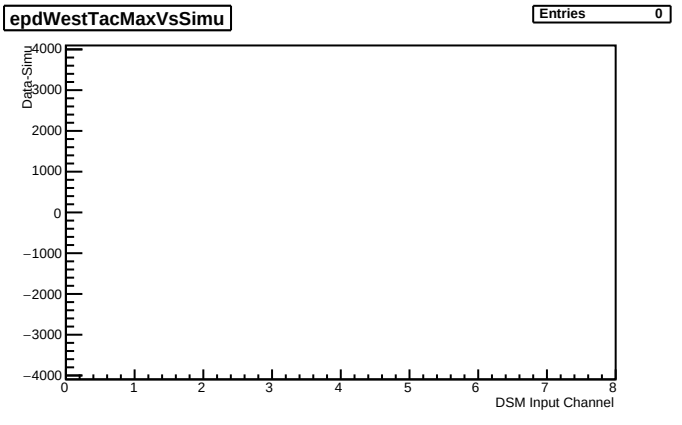
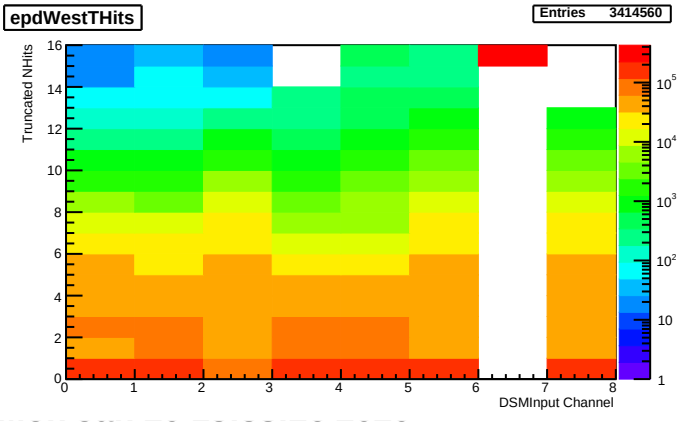
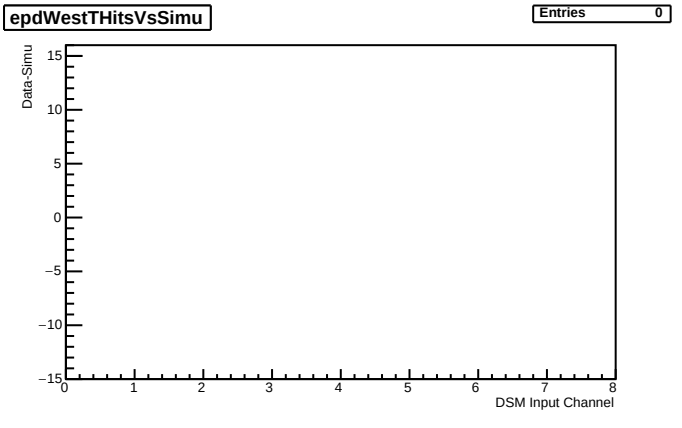
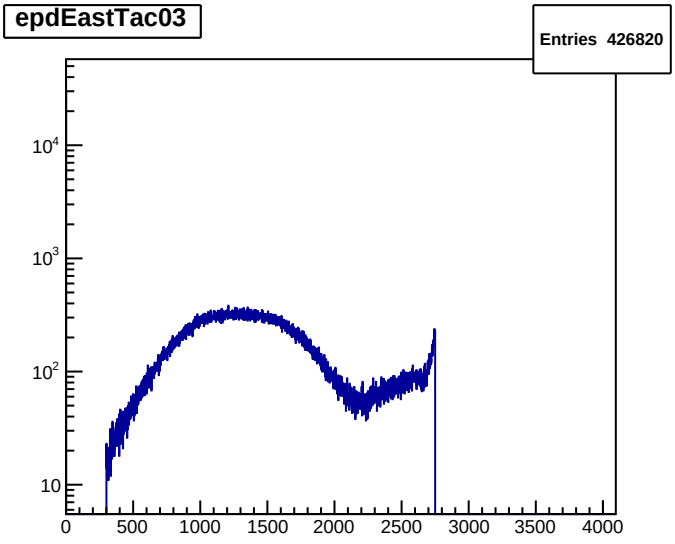
Data-Simu
DSM Input Channel

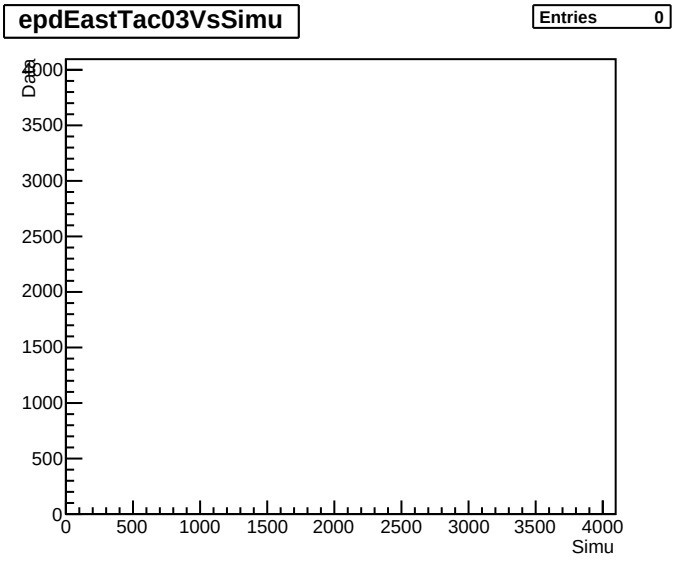

epdWestTacMax
Entries 3414560
TAC
DSM Input Channel

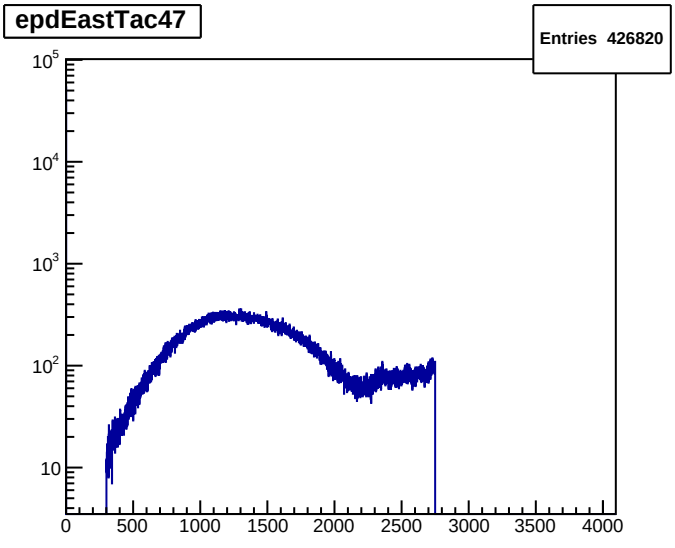

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

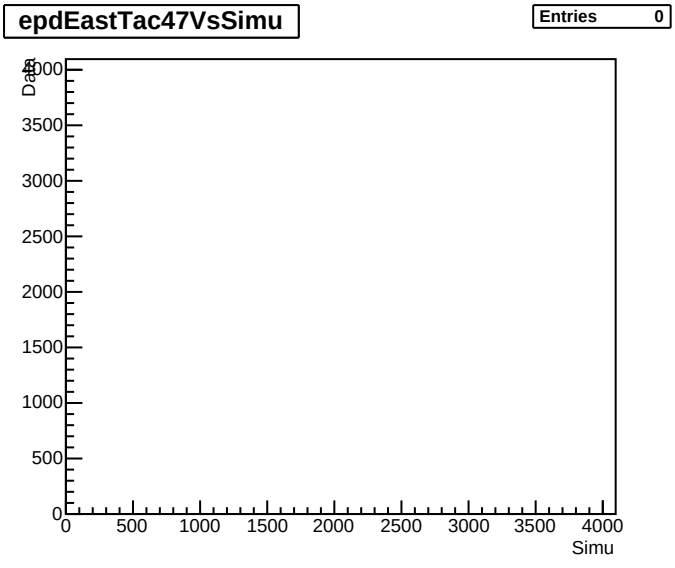

epdWestTHits
Entries 3414560
Truncated NHits
DSMInput Channel

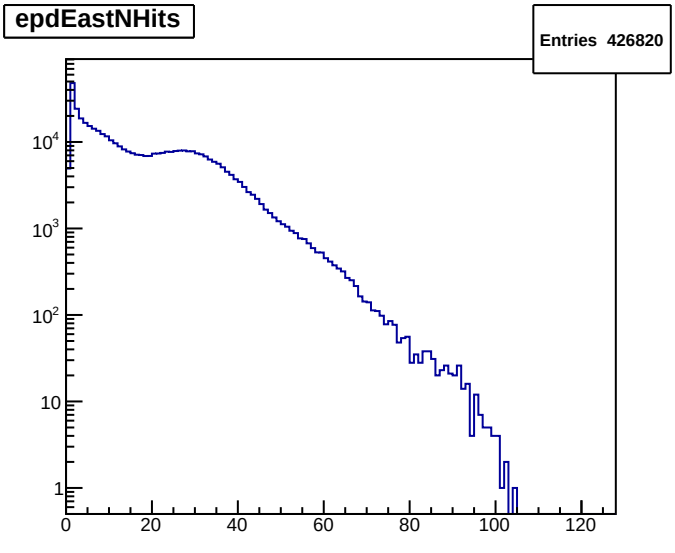

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

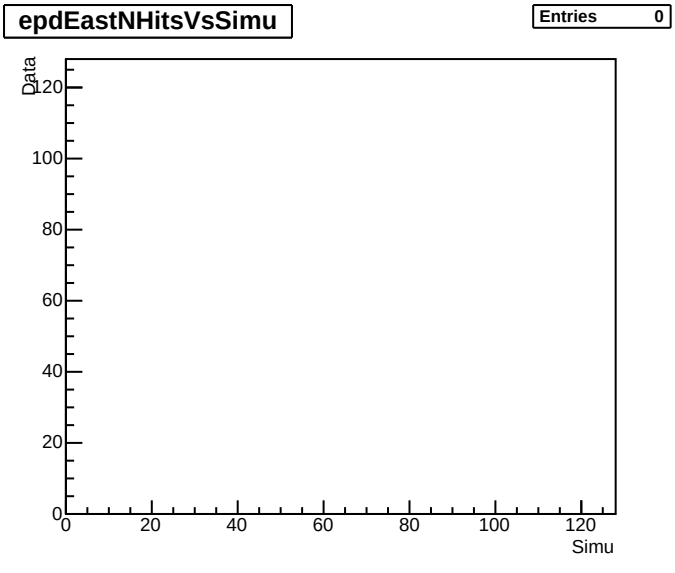

epdEastTac03
Entries 426820

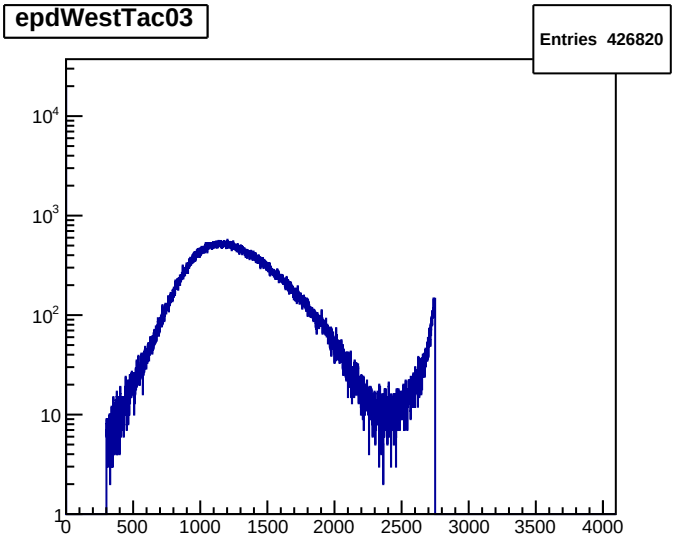

epdEastTac03VsSimu
Entries 0
Data
Simu

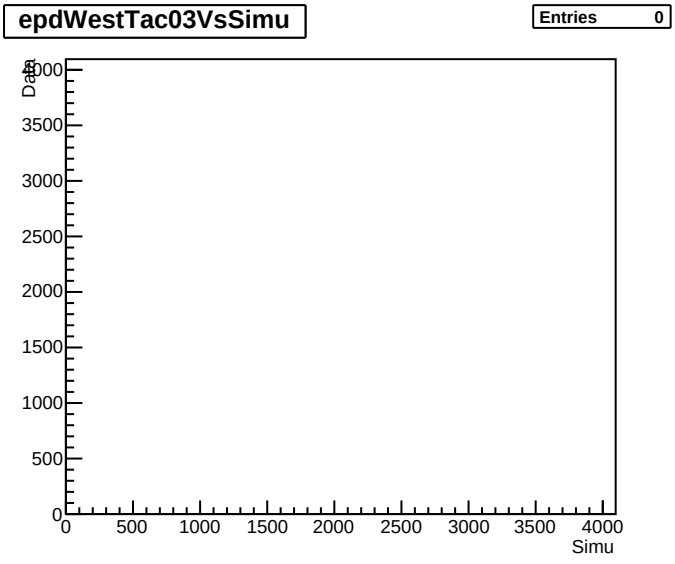

epdEastTac47
Entries 426820


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 426820


epdEastNHitsVsSimu
Entries 0
Data
Simu


epdWestTac03
Entries 426820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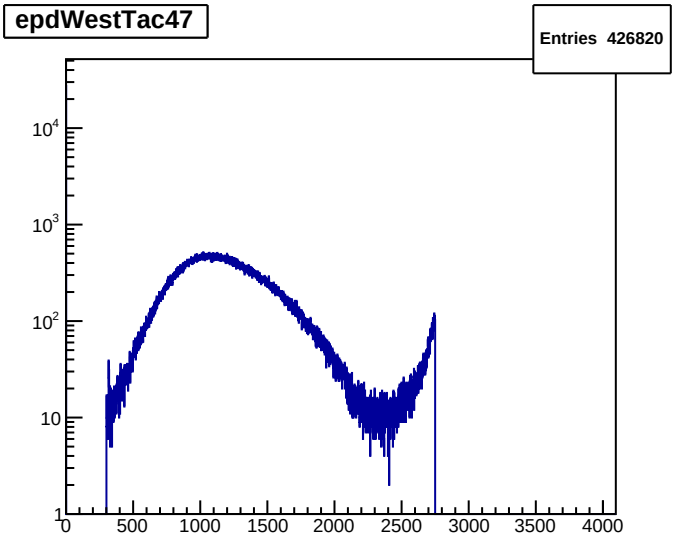
Entries 0
Data
Simu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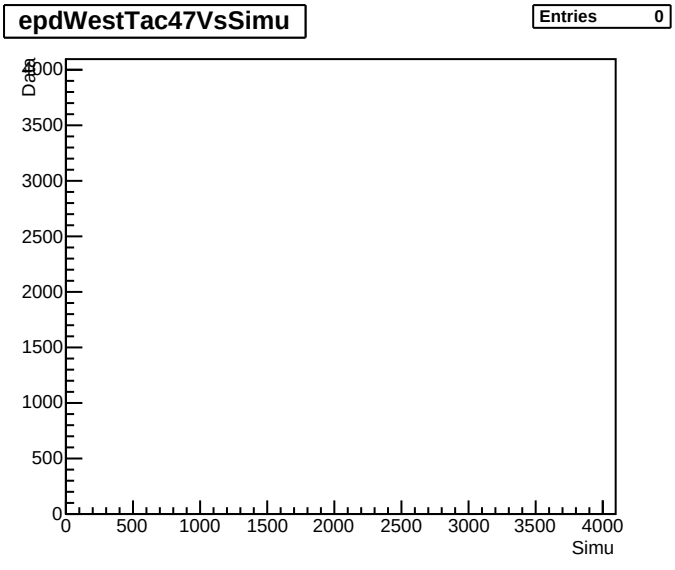
Entries 426820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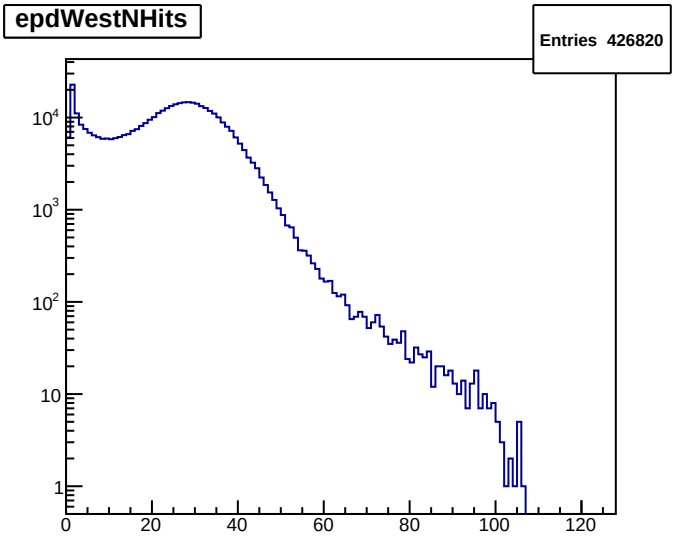
Entries 0
Data
Simu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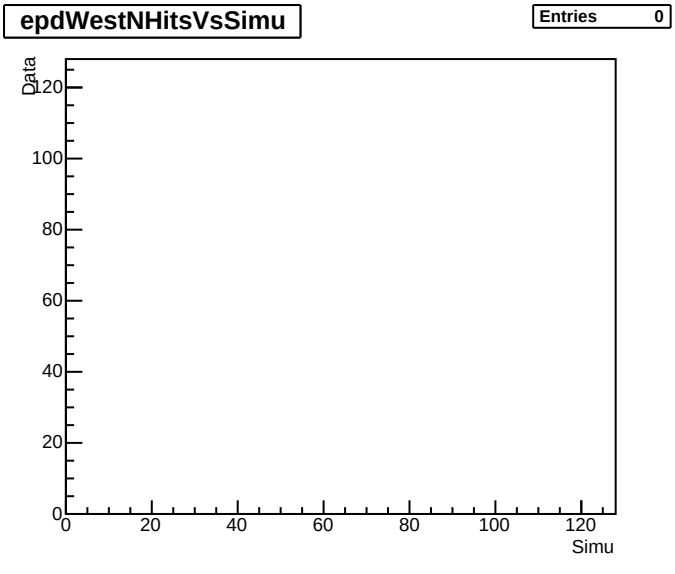
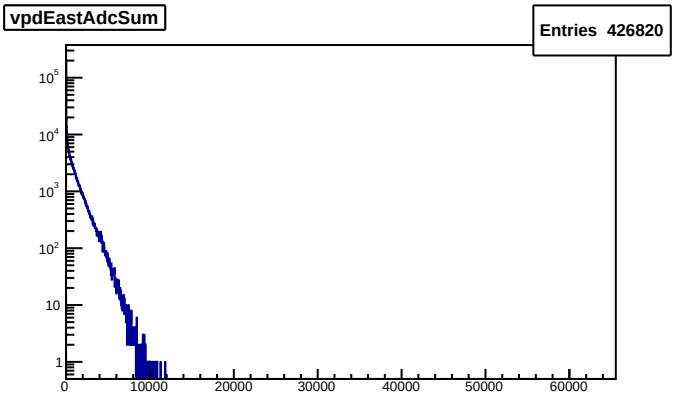
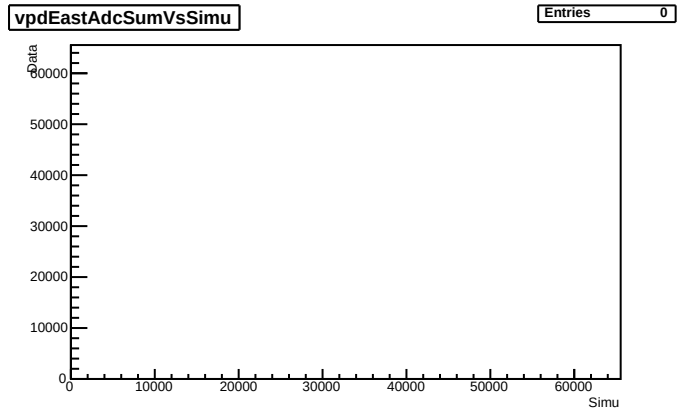
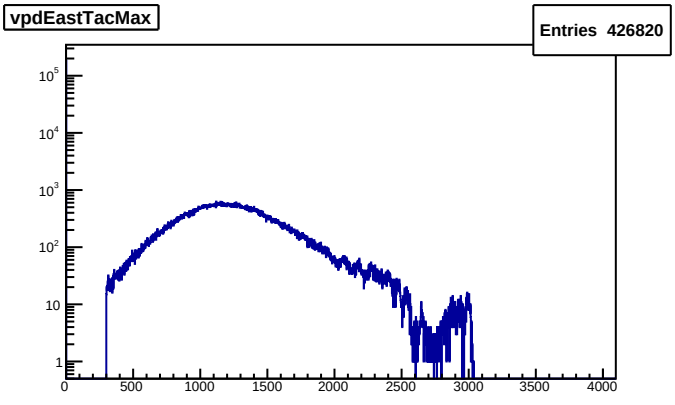
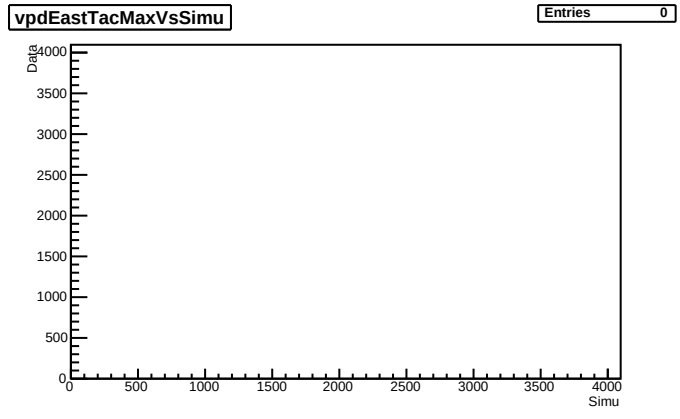
Entries 426820

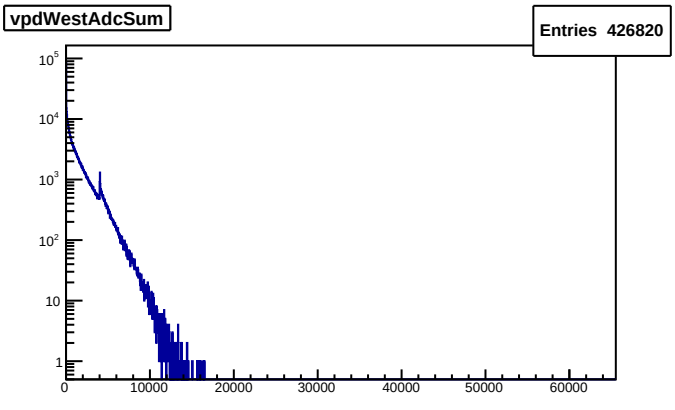

epdWestNHitsVsSimu
Entries 0
Data
Simu

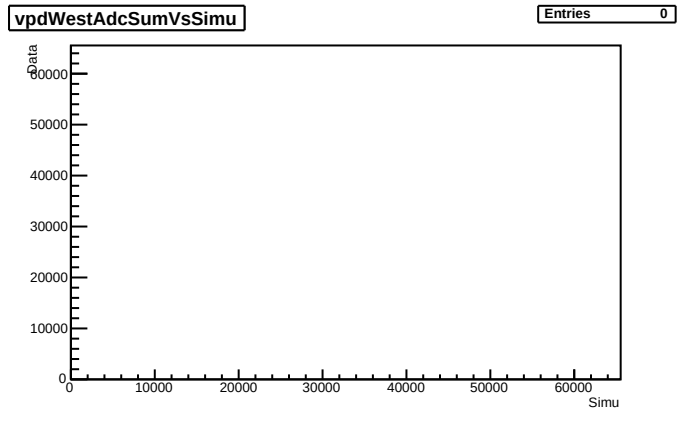

vpdEastAdcSum
Entries 426820


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 426820


vpdEastTacMaxVsSimu
Entries 0
Data
Simu


vpdWestAdcSum
Entries 426820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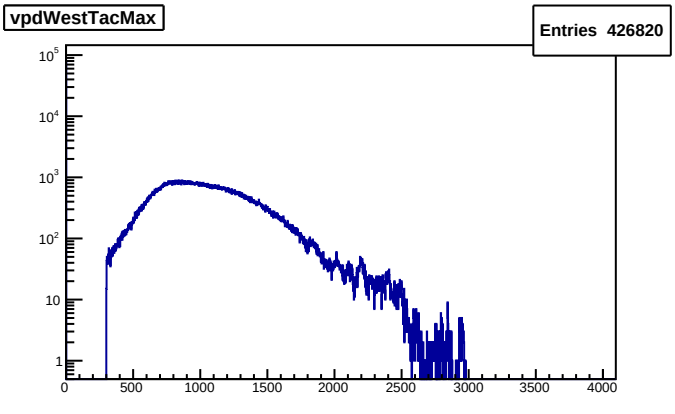
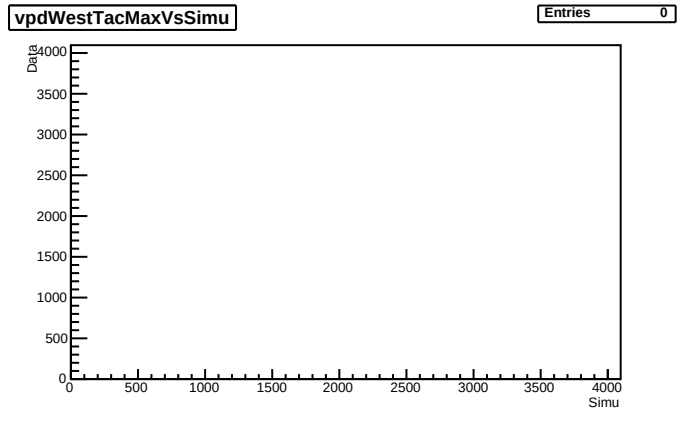
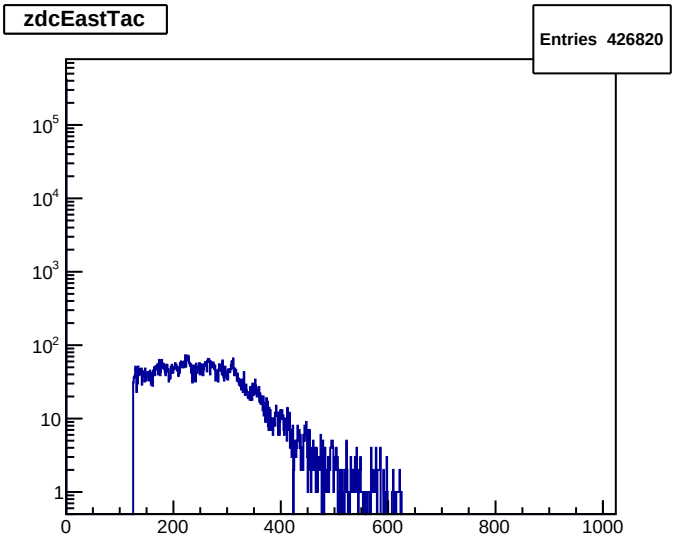
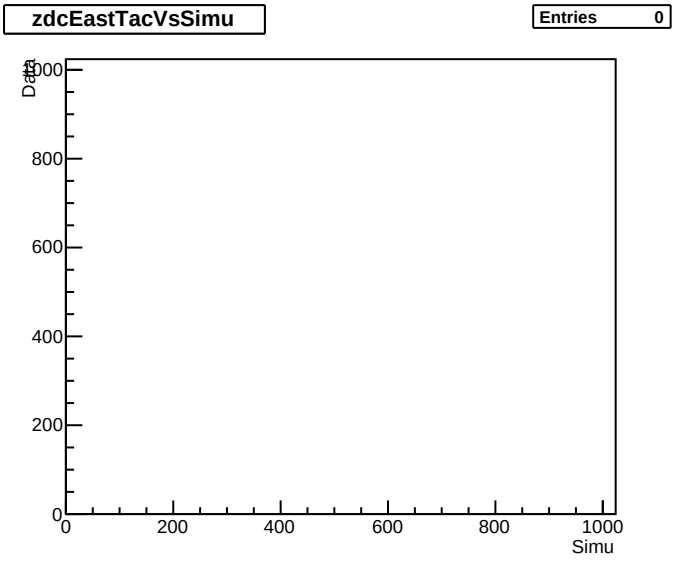
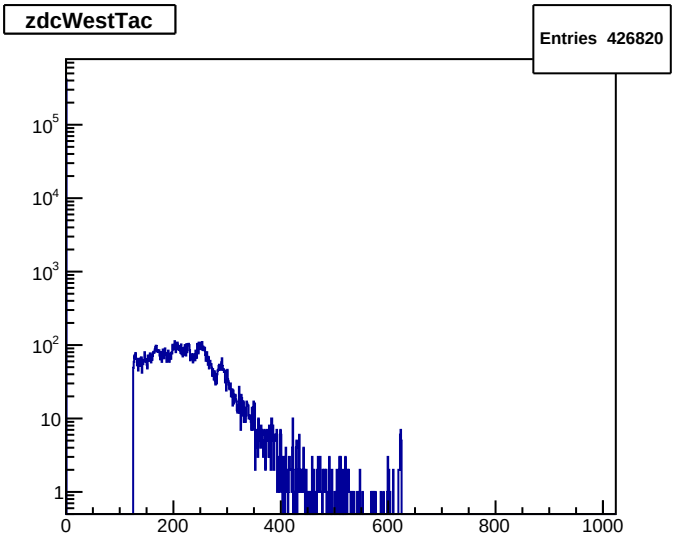
Entries 0
Data
Simu

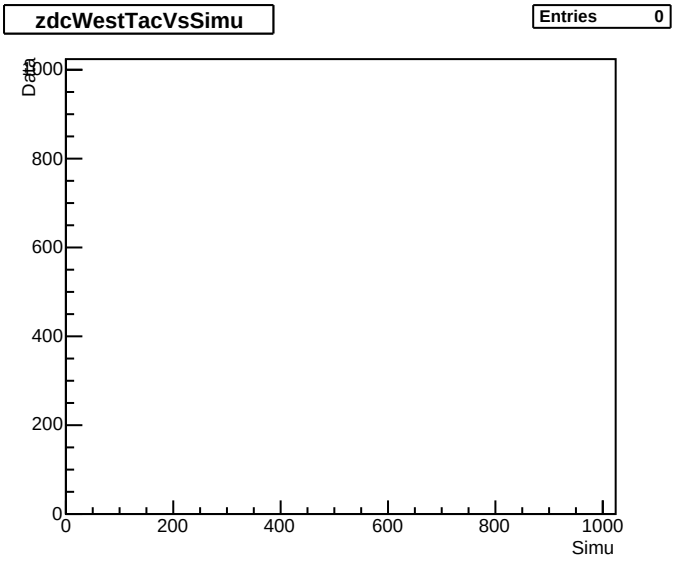

vpdWestTacMax
Entries 426820

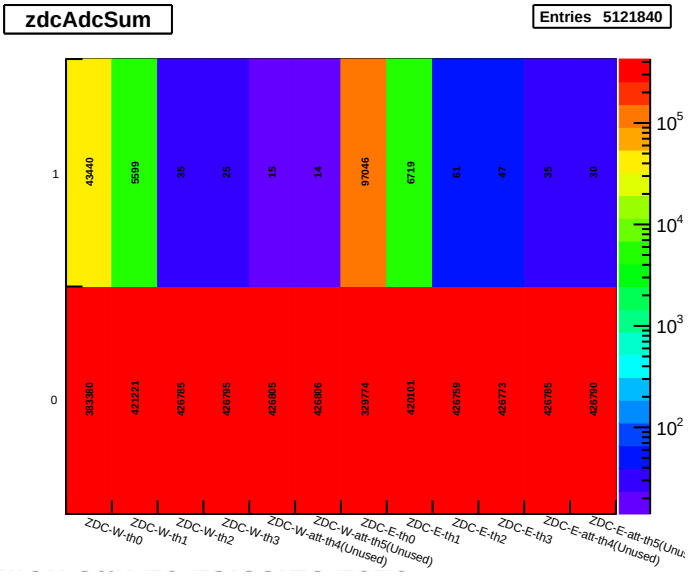

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

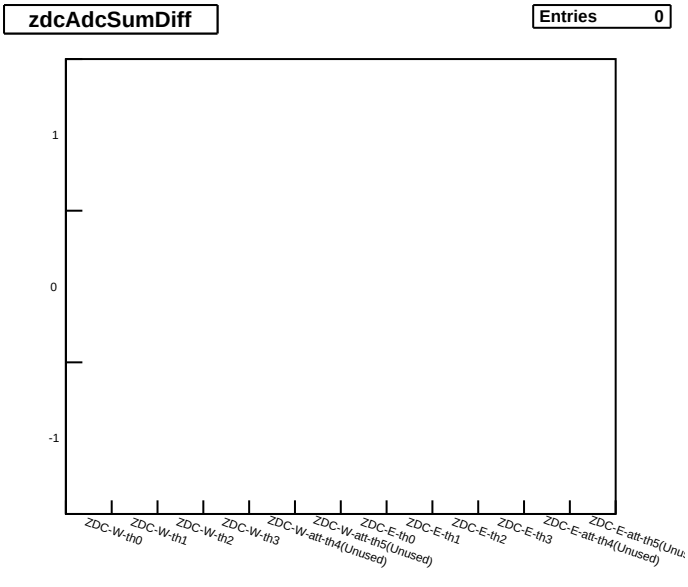

zdcEastTac
Entries 426820
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

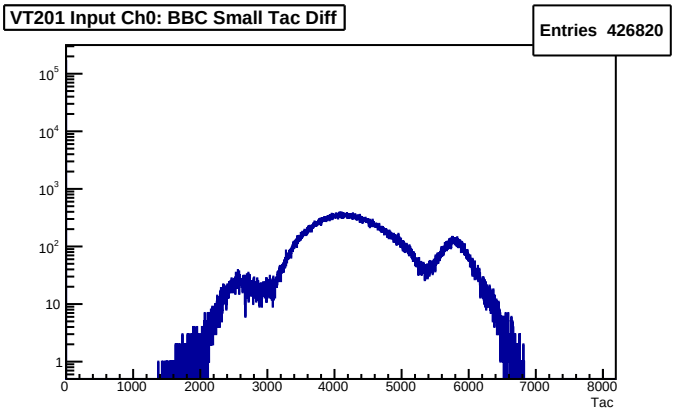

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

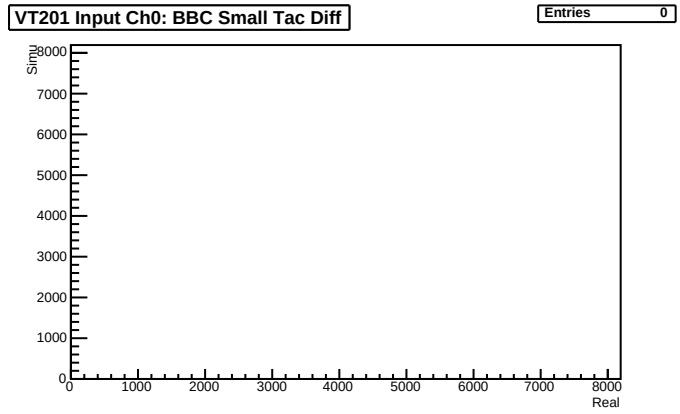

zdcWestTac
Entries 426820
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

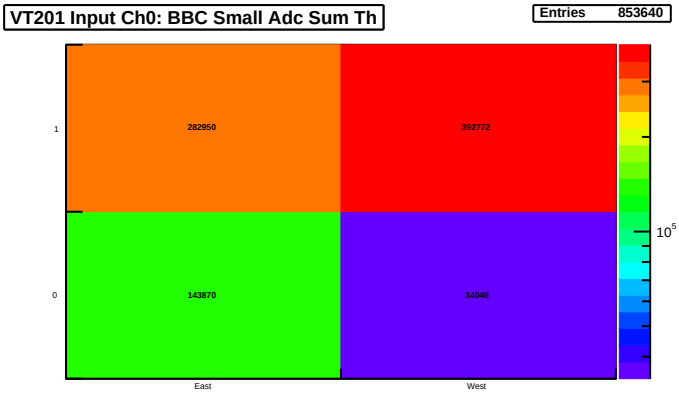

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

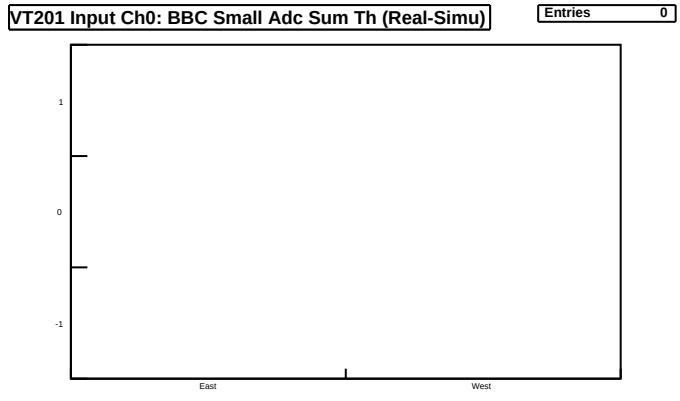

zdcAdcSum
Entries 5121840
1
0
43440
5599
35
25
15
14
97046
6719
61
47
35
30
383380
421221
426785
426795
426805
426806
329774
420101
426759
426773
426785
426790
10^5
10^4
10^3
10^2
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

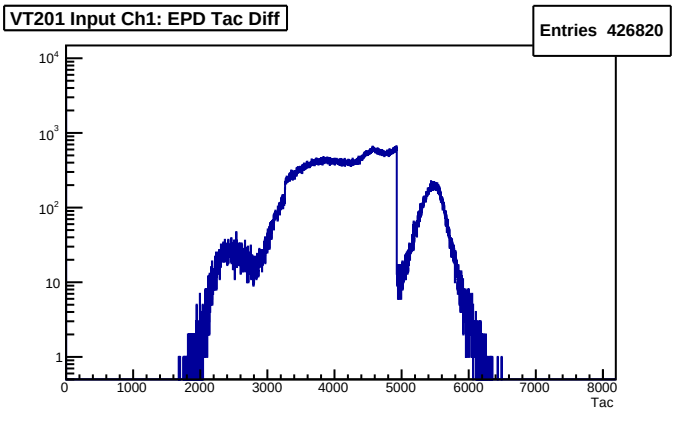

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

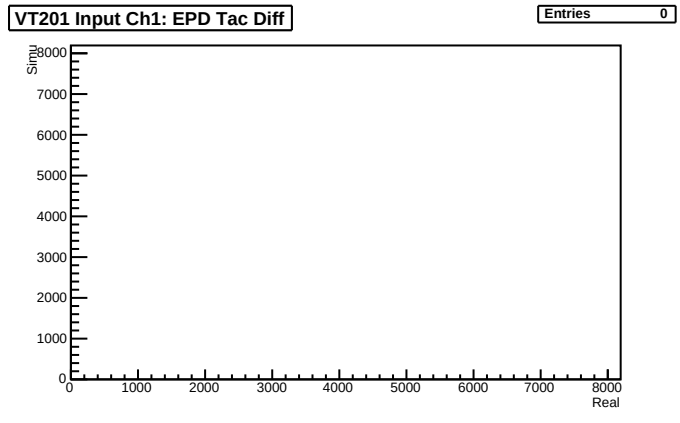

VT201 Input Ch0: BBC Small Tac Diff
Entries 426820
Tac

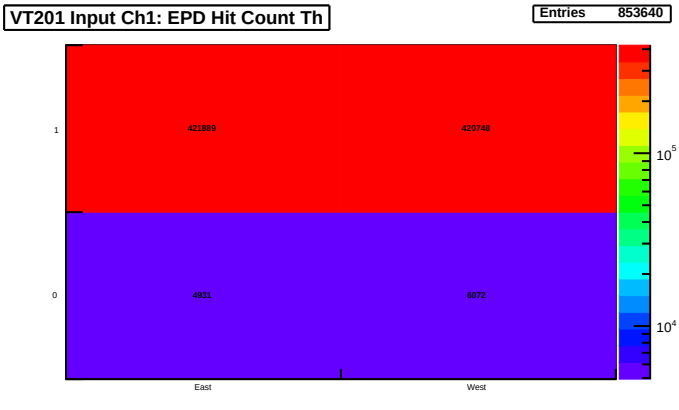

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

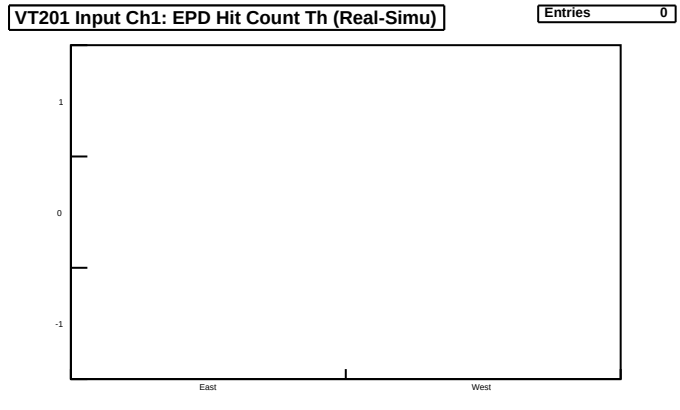

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 853640
282950
392772
143870
34048
East
West

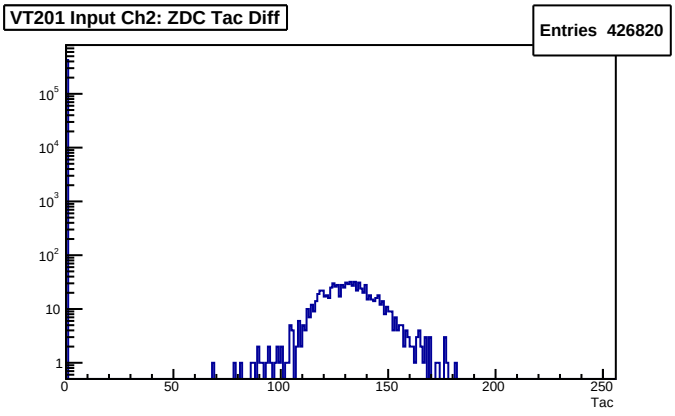

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

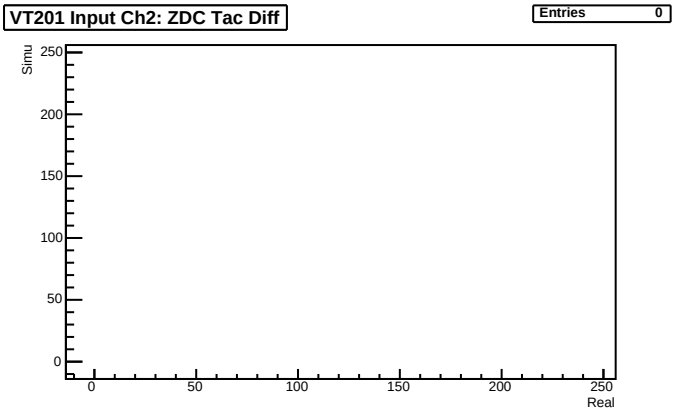

VT201 Input Ch1: EPD Tac Diff
Entries 426820
Tac

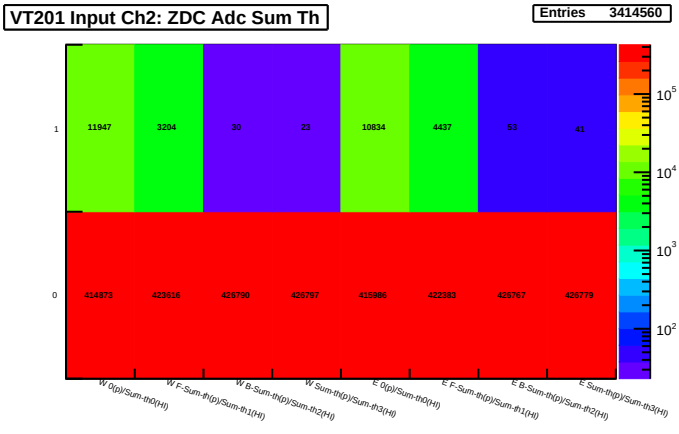

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

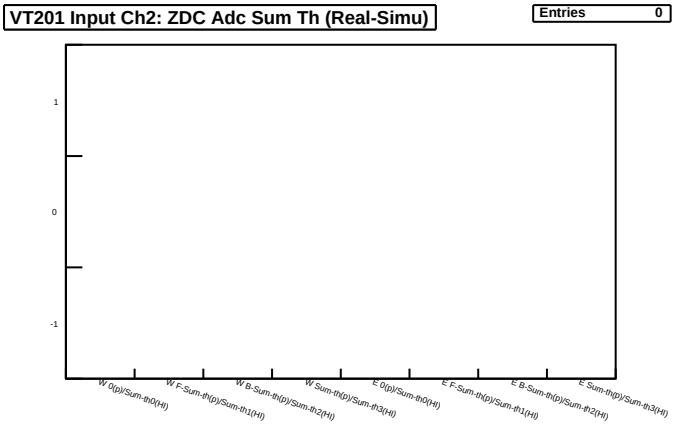

VT201 Input Ch1: EPD Hit Count Th
Entries 853640
421889
420748
4931
6072
East
West

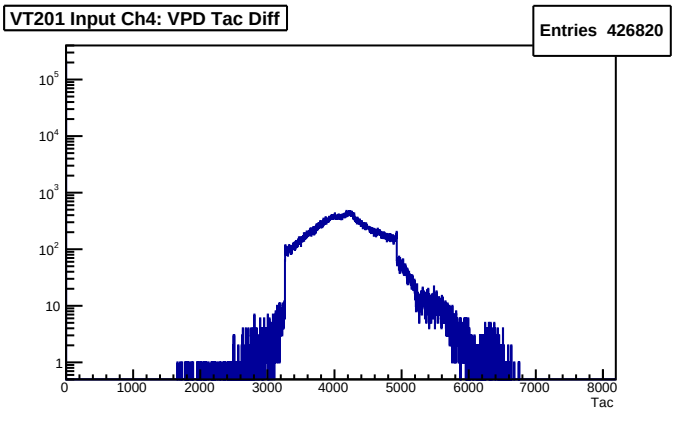

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

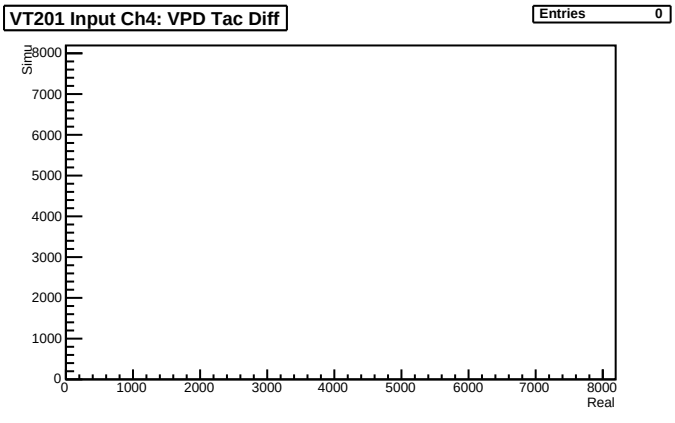

VT201 Input Ch2: ZDC Tac Diff
Entries 426820
Tac

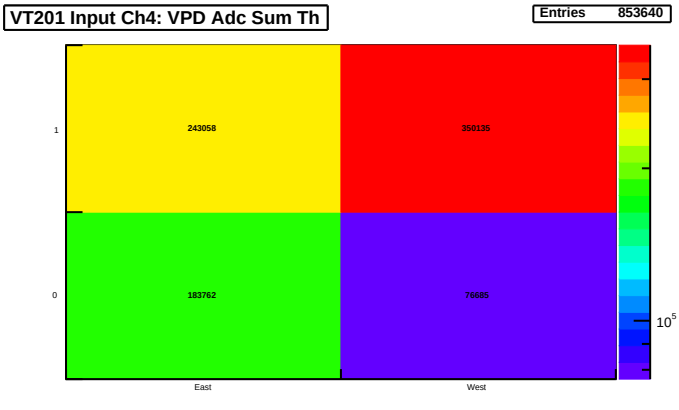

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

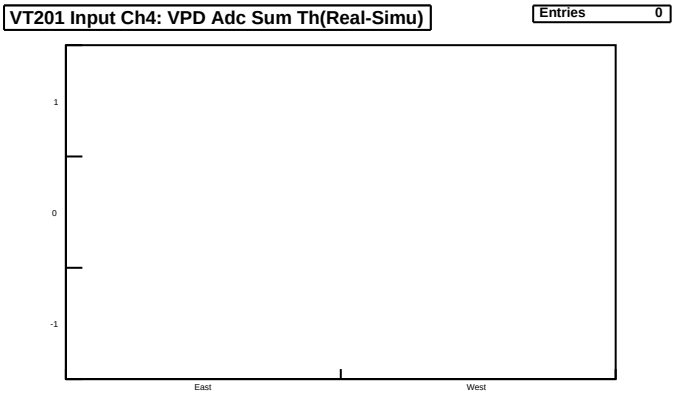

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3414560
11947
3204
30
23
10834
4437
53
41
414873
423616
426790
426797
415986
422383
426767
426779
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

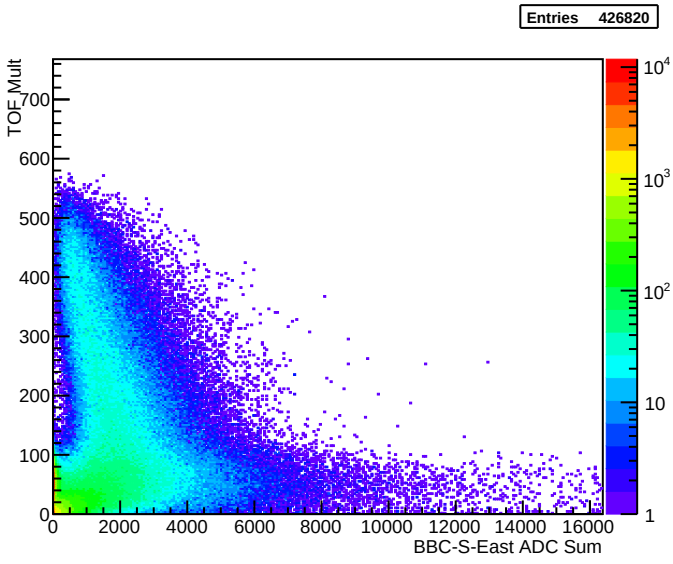

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

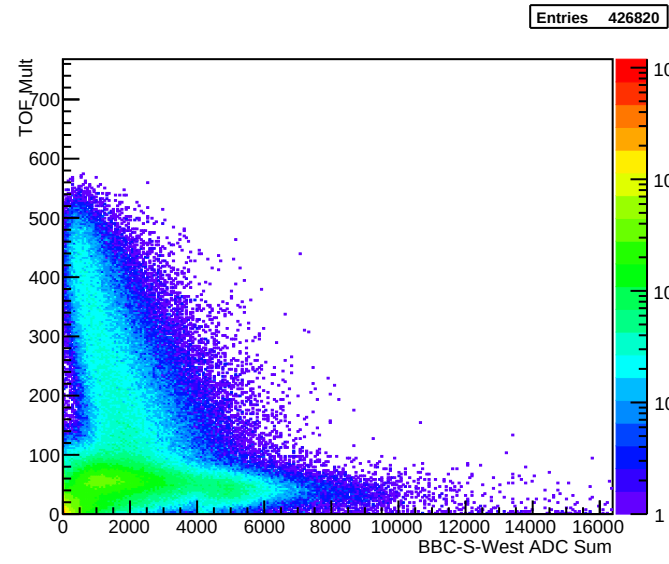

VT201 Input Ch4: VPD Tac Diff
Entries 426820
Tac

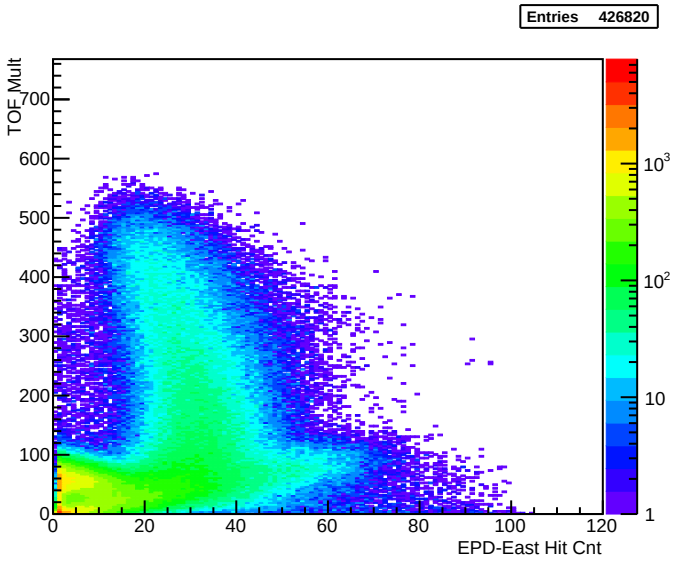

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

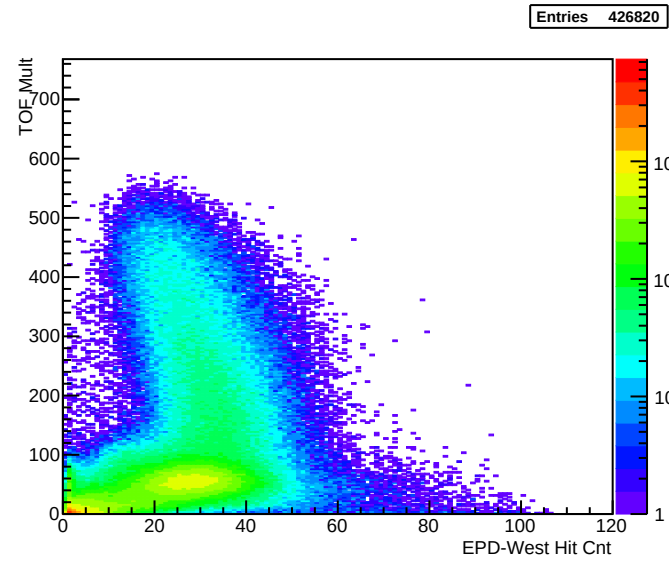

VT201 Input Ch4: VPD Adc Sum Th
Entries 853640
243058
350135
183762
76685
East
West

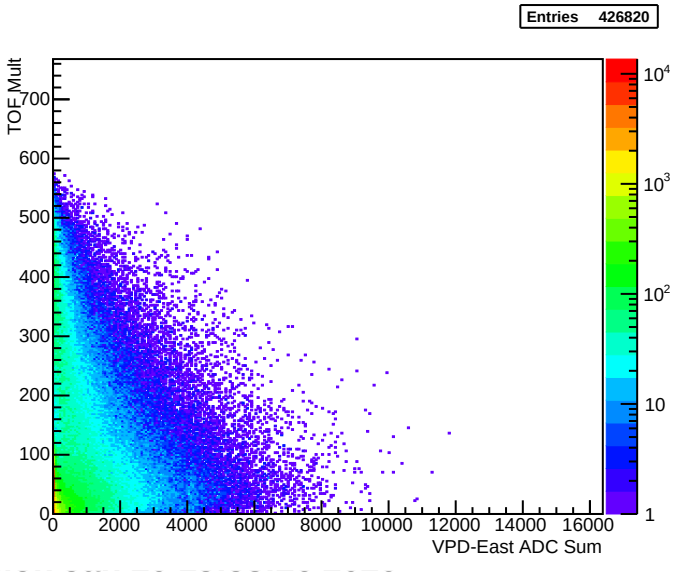

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

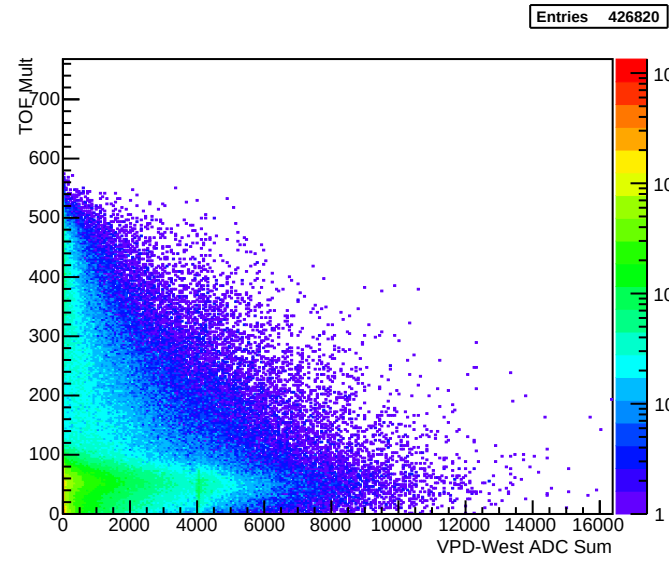

Entries 426820
TOF_Mult
BBC-S-East ADC Sum

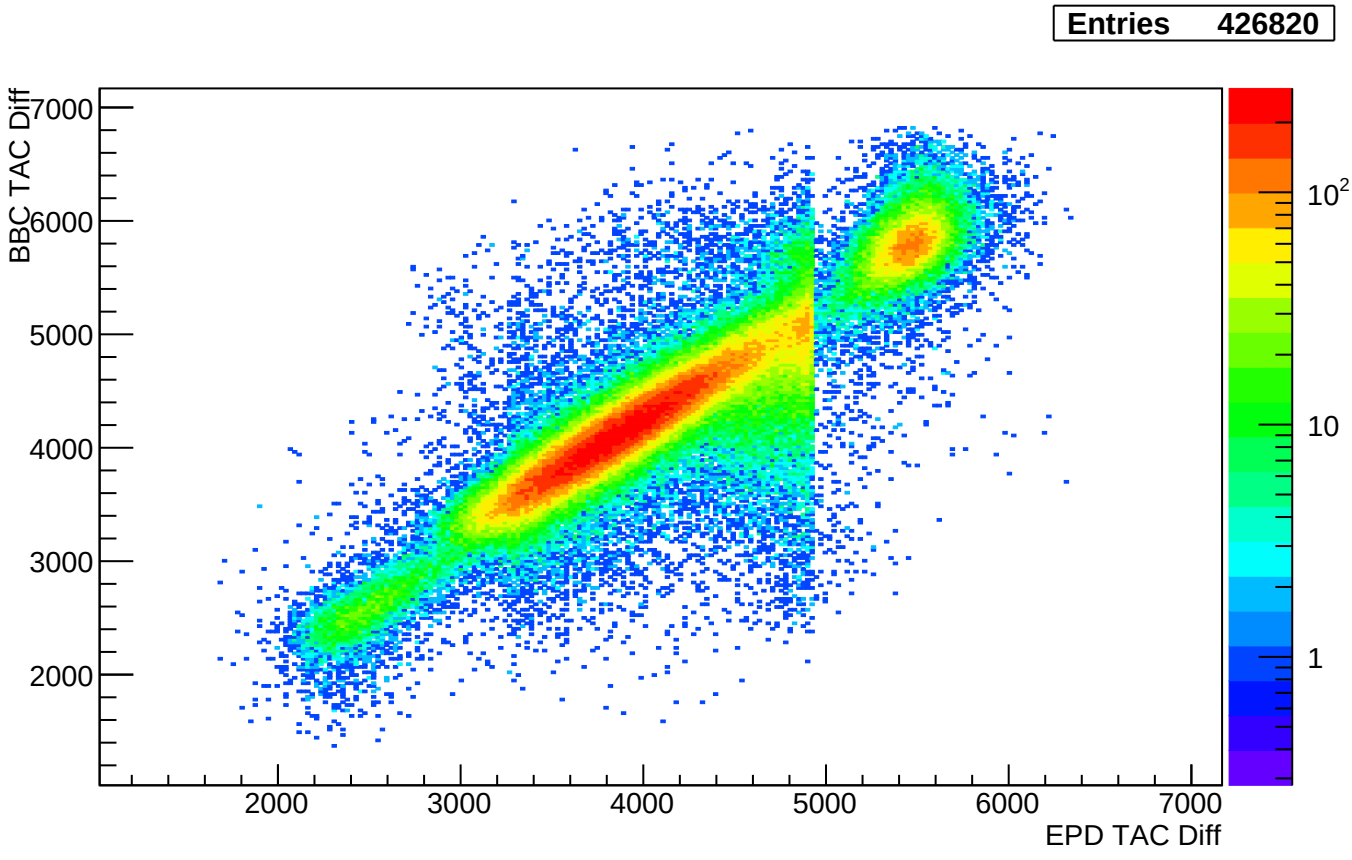

Entries 426820
TOF_Mult
BBC-S-West ADC Sum

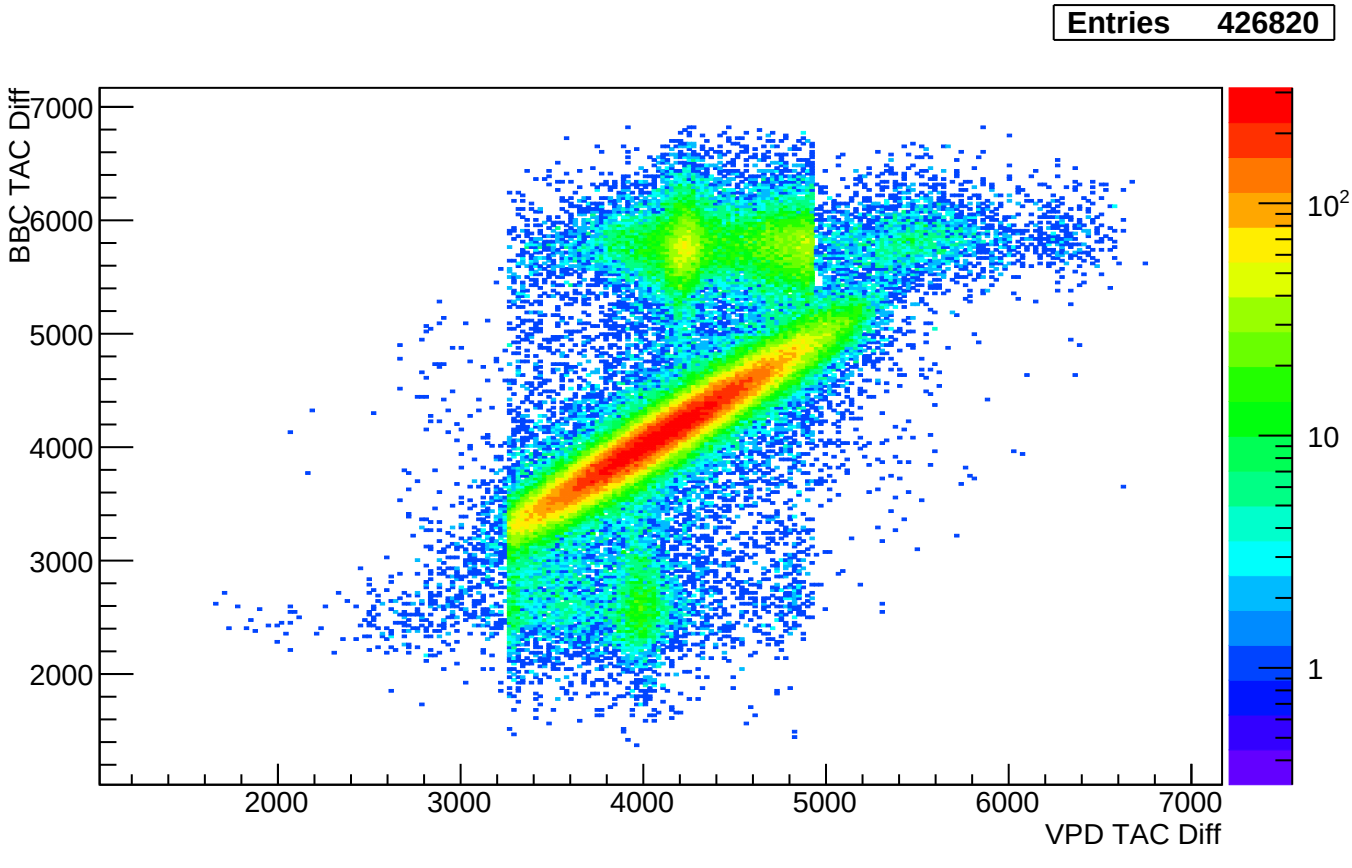

Entries 426820
TOF_Mult
EPD-East Hit Cnt

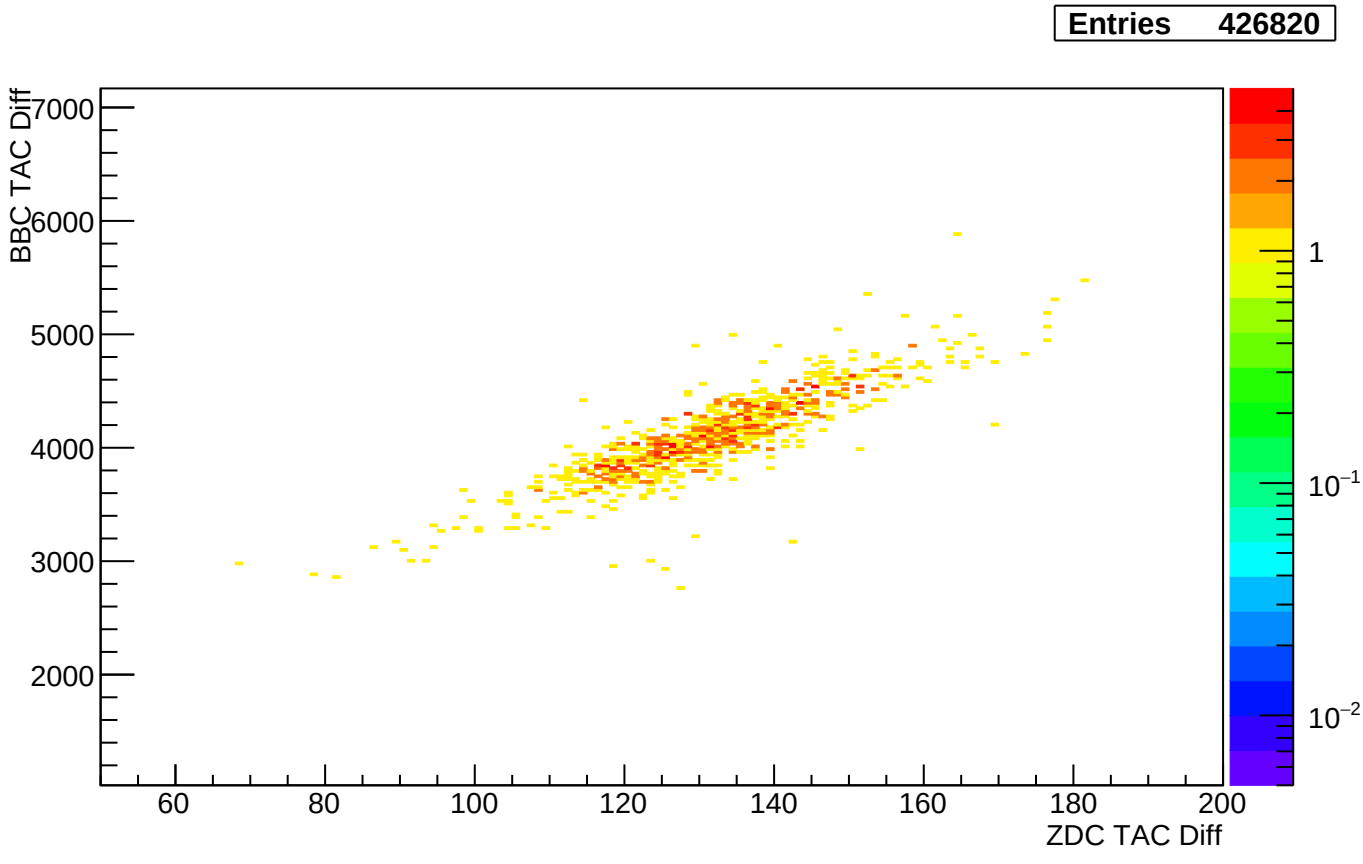

Entries 426820
TOF_Mult
EPD-West Hit Cnt

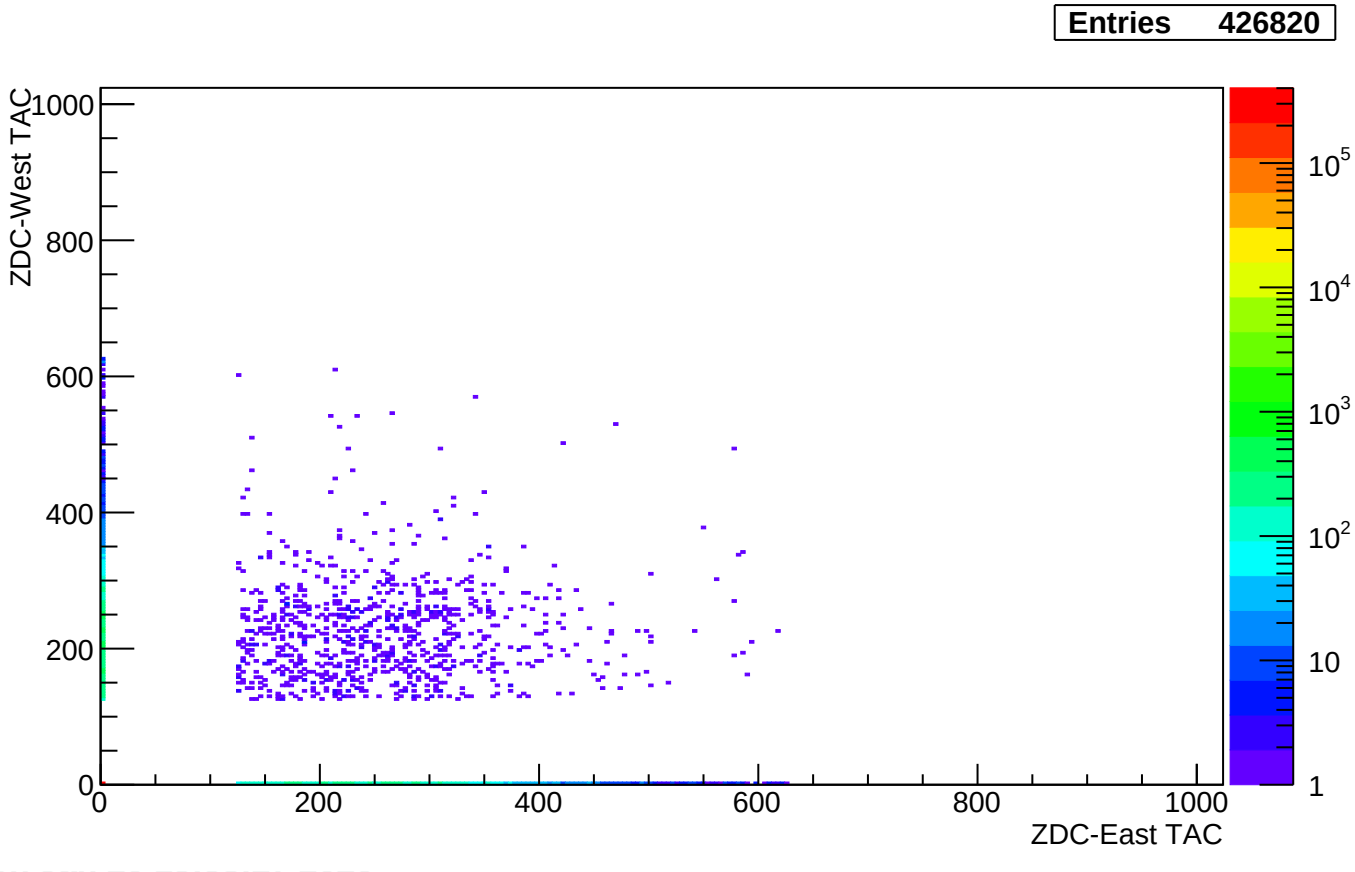

Entries 426820
TOF_Mult
VPD-East ADC Sum

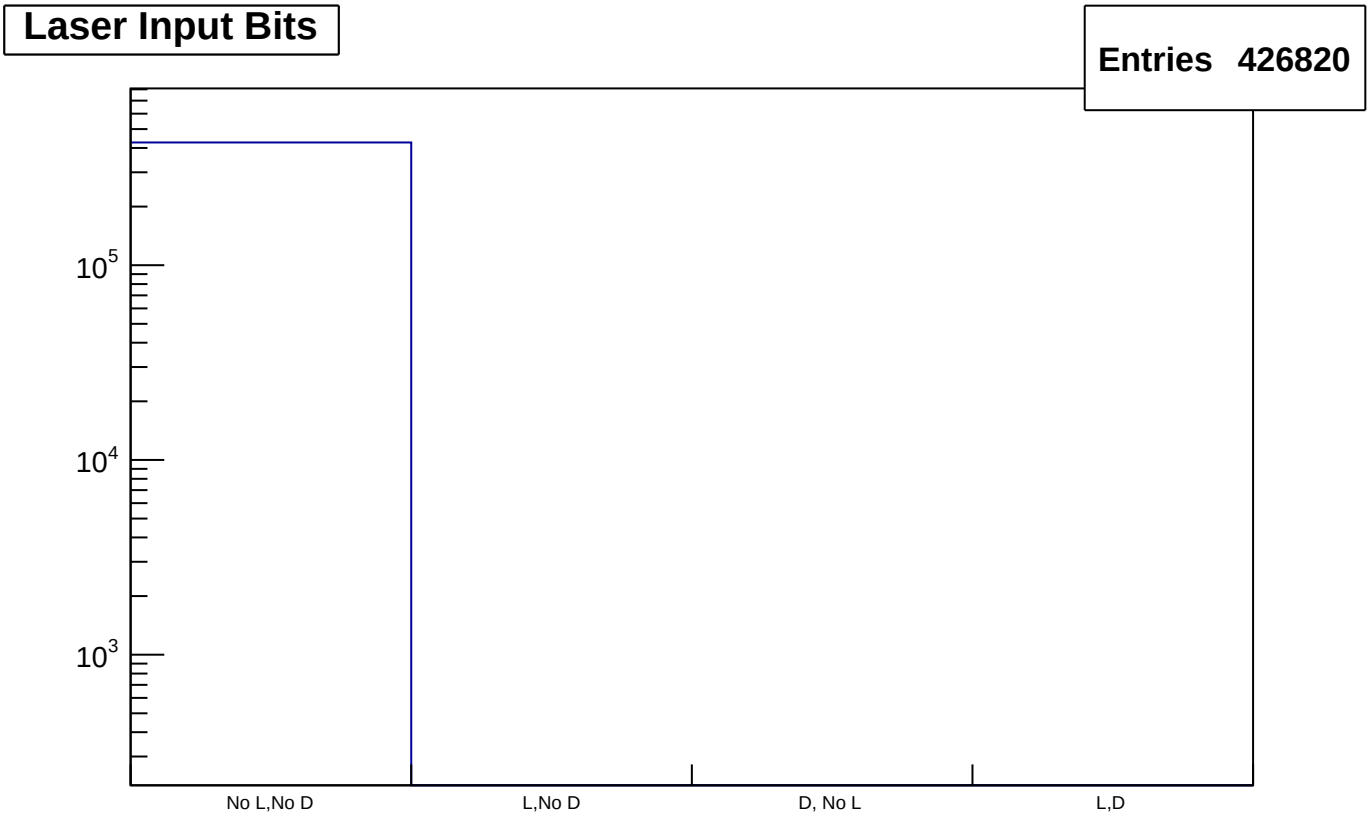

Entries 426820
TOF_Mult
VPD-West ADC Sum

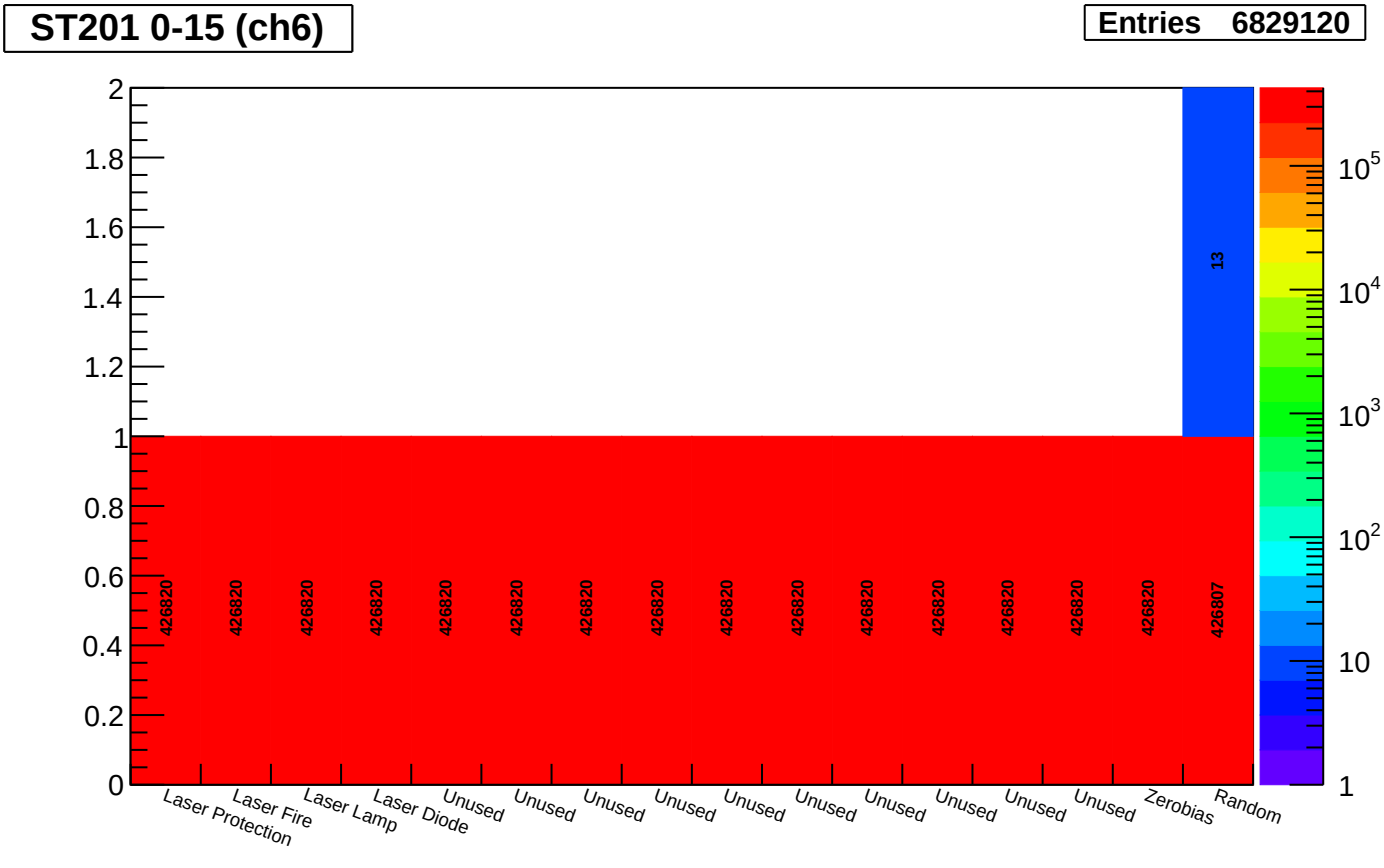

Entries 426820
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

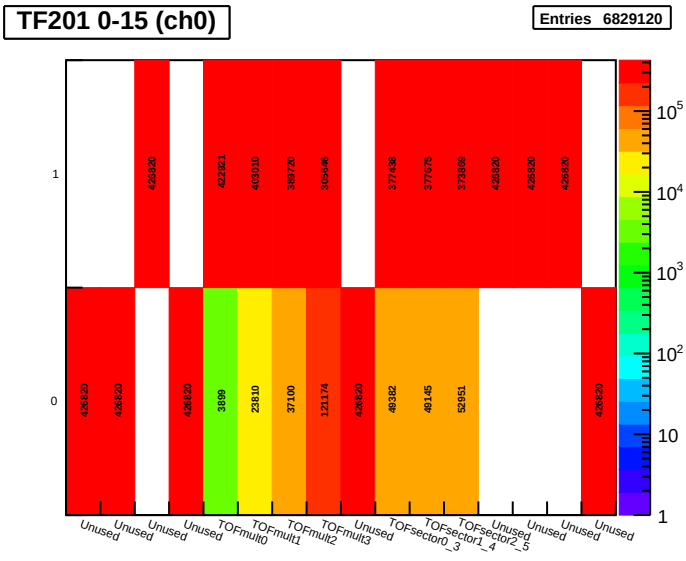

Entries 426820
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

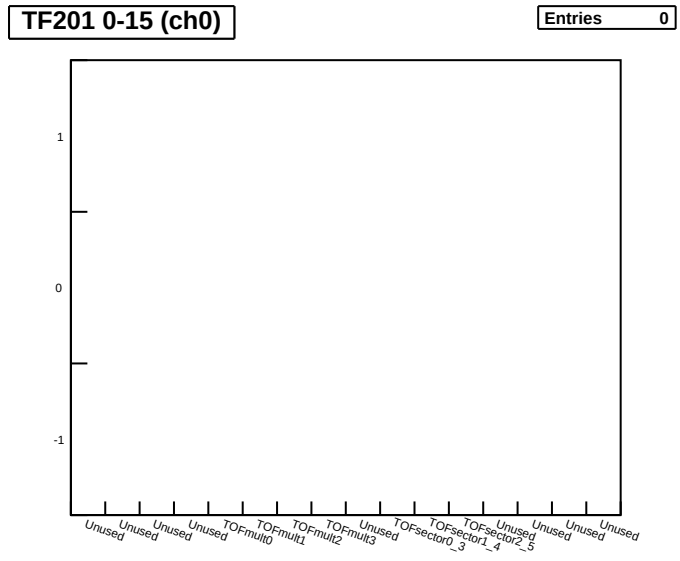

Entries 426820
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

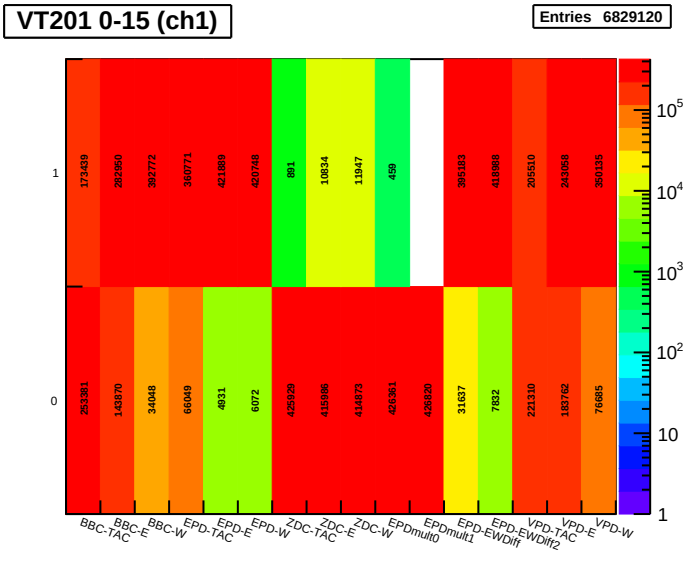

Entries 426820
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

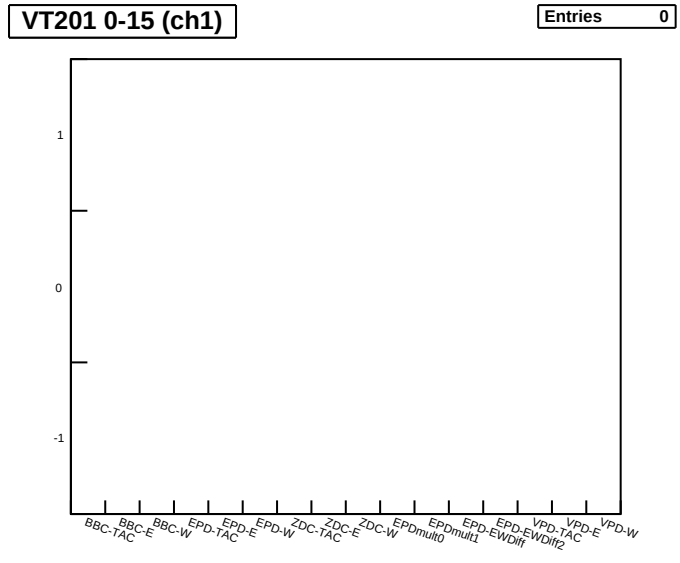

Laser Input Bits
Entries 426820
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

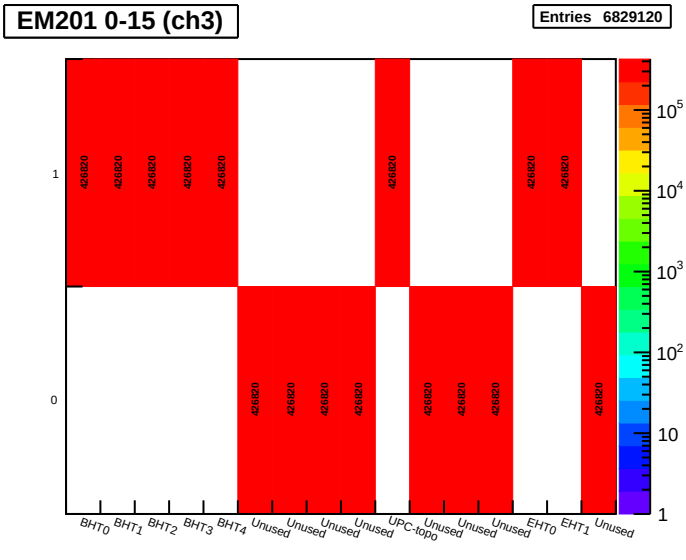

ST201 0-15 (ch6)
Entries 6829120
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
426820
426820
426820
426820
426820
426820
426820
426820
426820
426820
426820
426820
426820
426820
426807
13
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

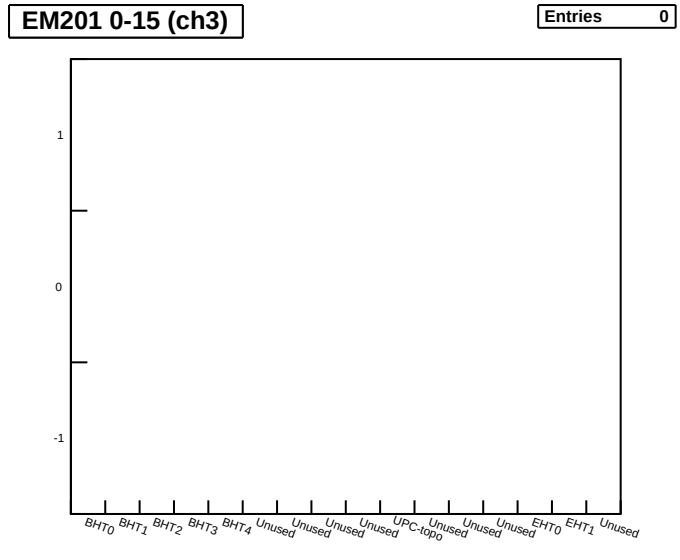

TF201 0-15 (ch0)
Entries 6829120
426820 422821 403010 389720 305646 377438 377675 373469 426820 426820 426820
426820 426820 426820 3899 23810 37100 121174 426820 49382 49145 52951 426820
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused


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


VT201 0-15 (ch1)
Entries 6829120
173439 282950 392772 360771 421889 420748 891 10834 11947 459 395183 418988 205510 243058 350135
253381 143870 34048 66049 4931 6072 425929 415986 414873 426361 426820 31637 7632 221310 183762 76685
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


VT201 0-15 (ch1)
Entries 0
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 6829120
426820 426820 426820 426820 426820 426820 426820 426820
426820 426820 426820 426820 426820 426820 426820 426820
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused


EM201 0-15 (ch3)
Entries 0
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused