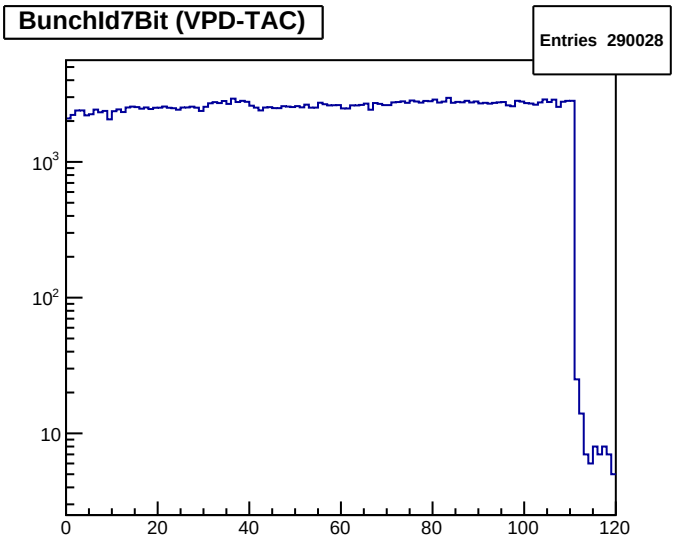
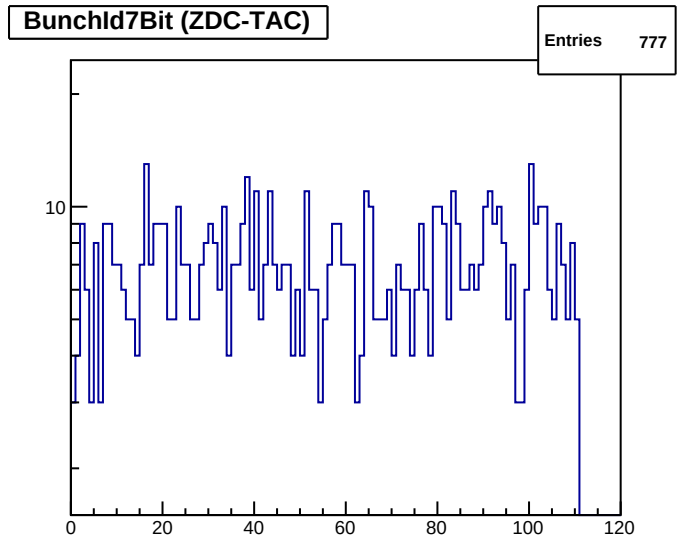
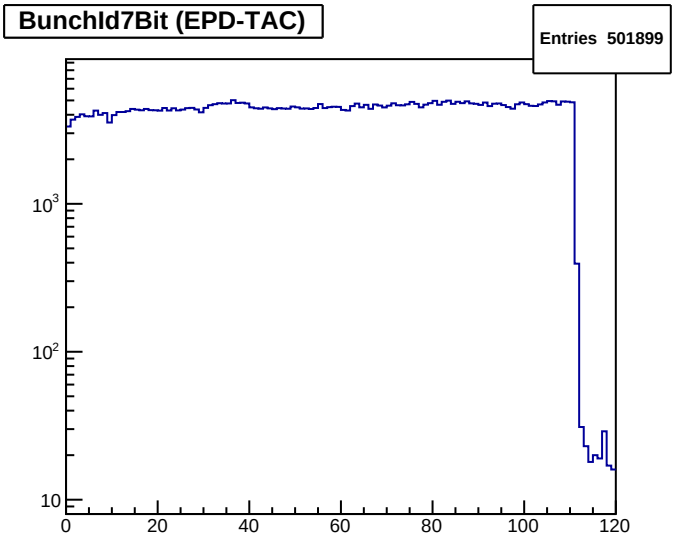
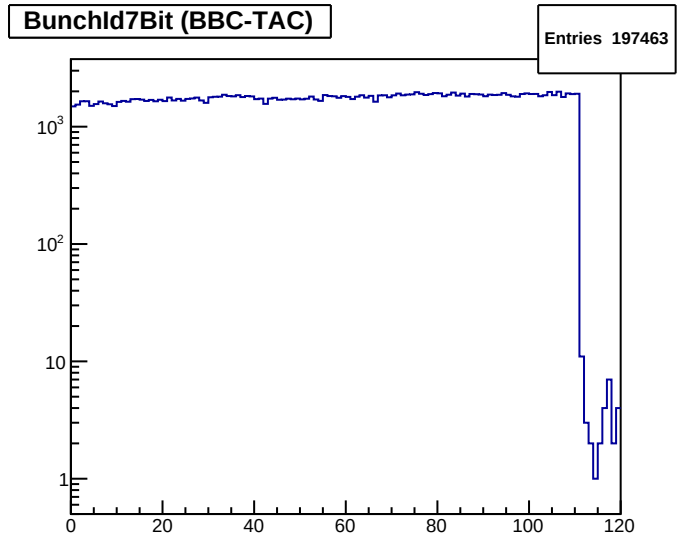
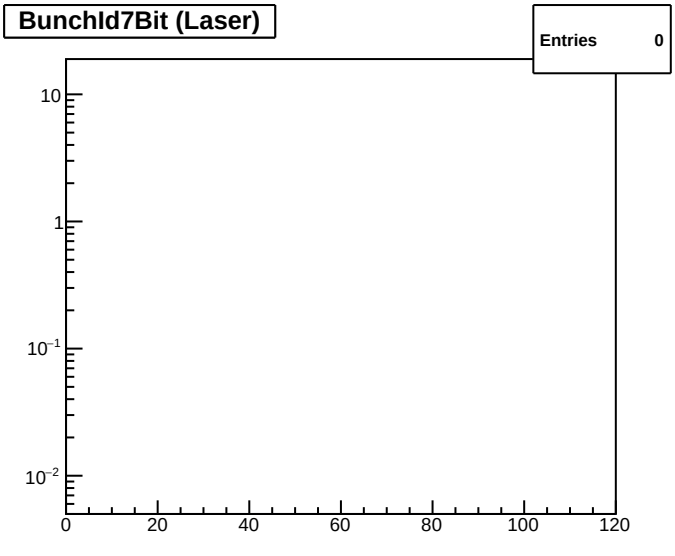
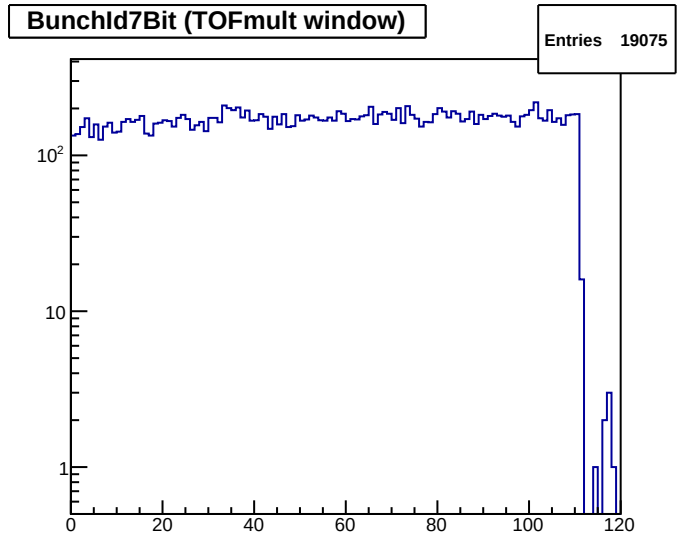

BunchId7Bit (VPD-TAC)
Entries 290028
10^3
10^2
10
0 20 40 60 80 100 120

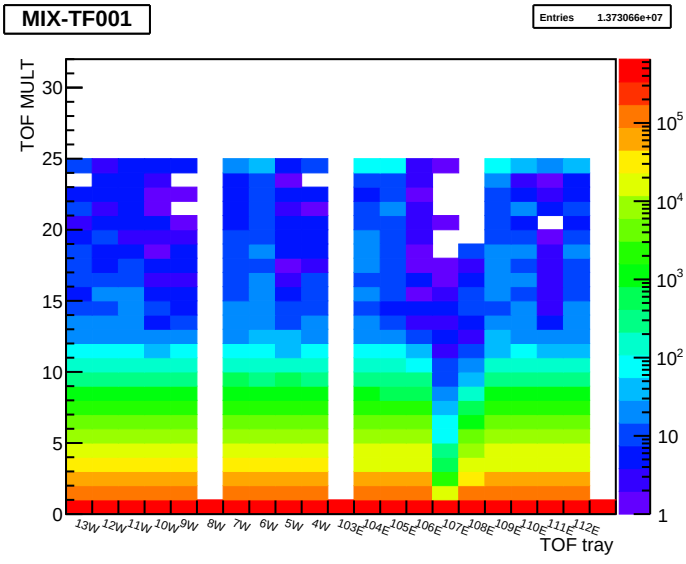

BunchId7Bit (ZDC-TAC)
Entries 777
10
0 20 40 60 80 100 120

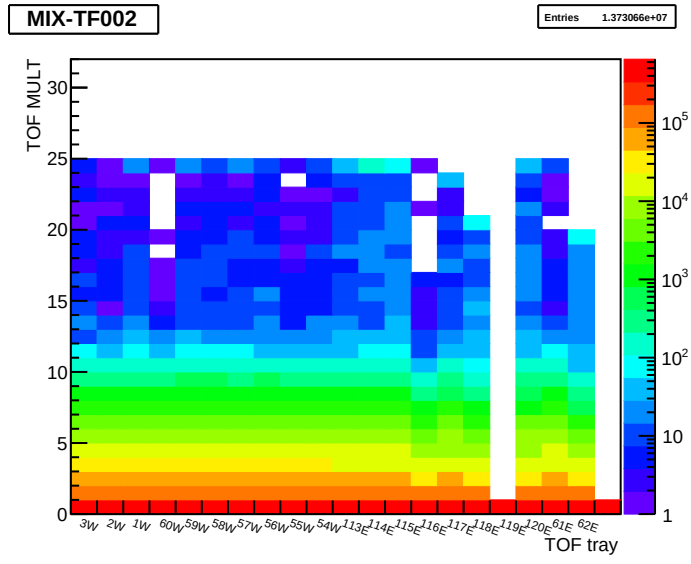

BunchId7Bit (EPD-TAC)
Entries 501899
10^3
10^2
10
0 20 40 60 80 100 120

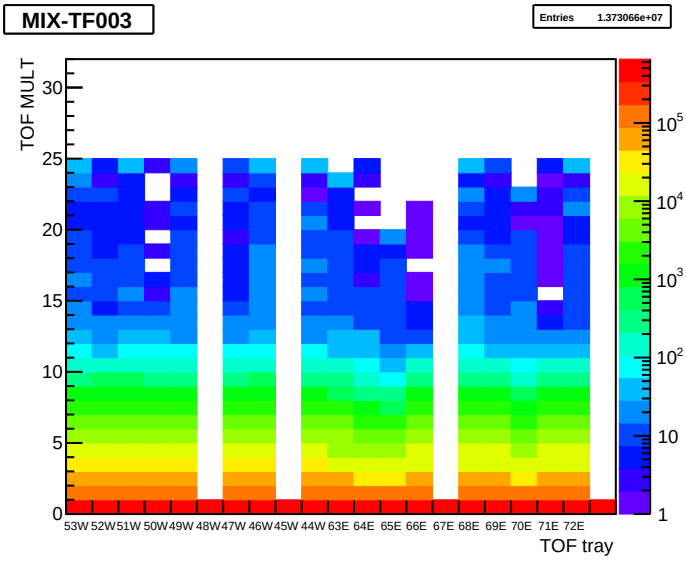

BunchId7Bit (BBC-TAC)
Entries 197463
10^3
10^2
10
1
0 20 40 60 80 100 120

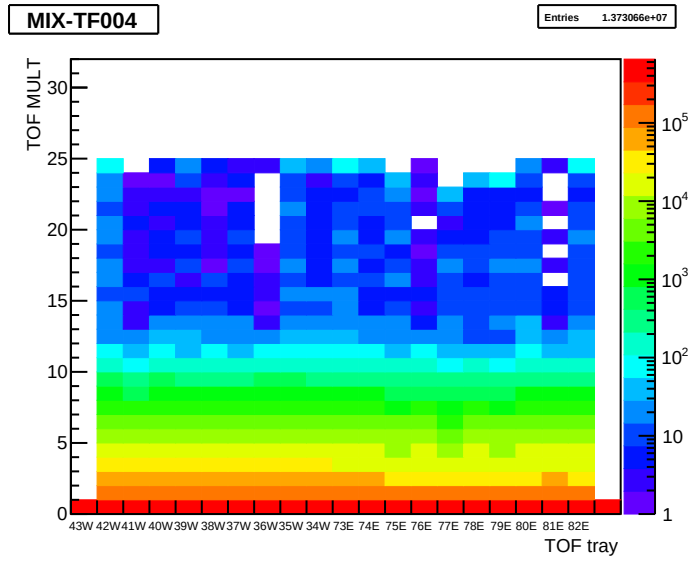

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

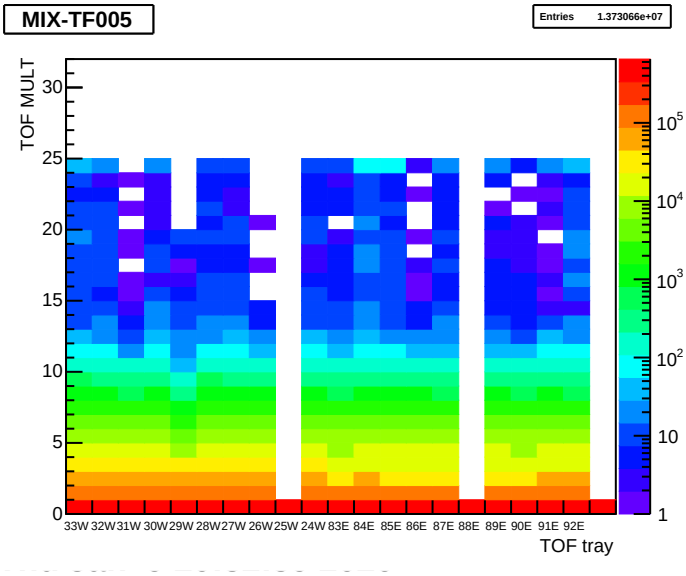

BunchId7Bit (TOFmult window)
Entries 19075
10^2
10
1
0 20 40 60 80 100 120

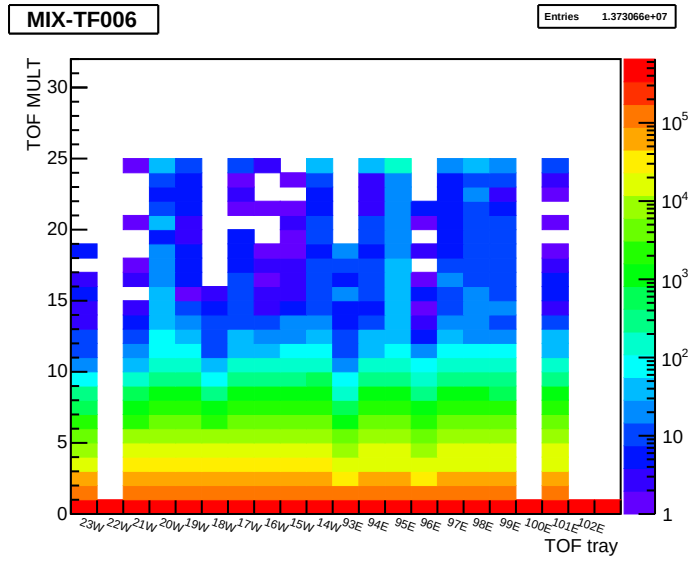

MIX-TF001
Entries 1.373066e+07
TOF MULT
TOF tray

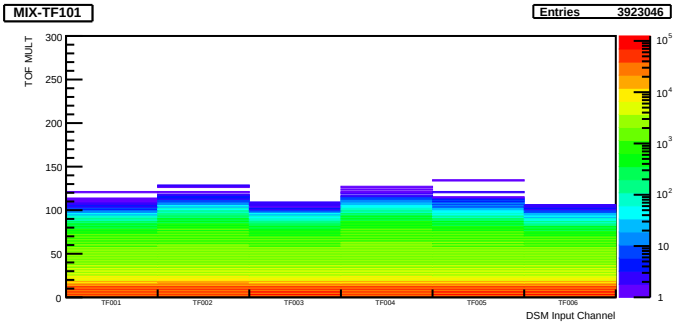

MIX-TF002
Entries 1.373066e+07
TOF MULT
TOF tray

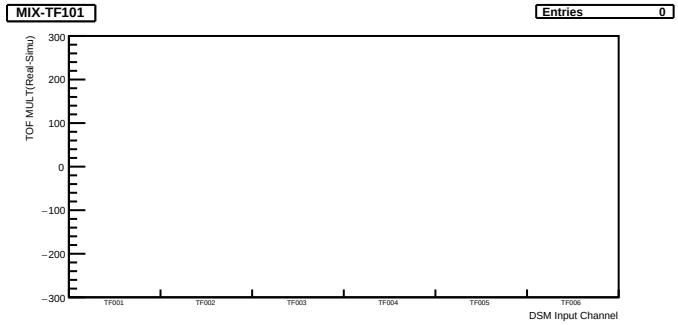

MIX-TF003
Entries 1.373066e+07
TOF MULT
TOF tray

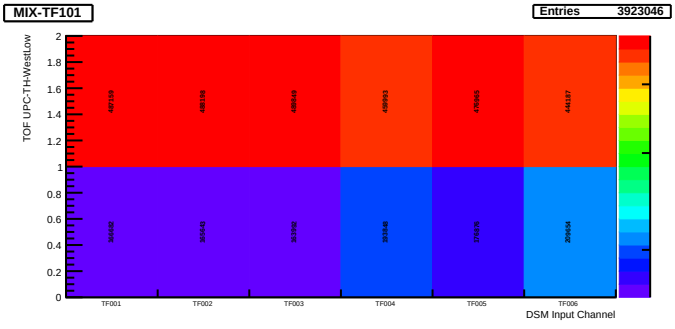

MIX-TF004
Entries 1.373066e+07
TOF MULT
TOF tray

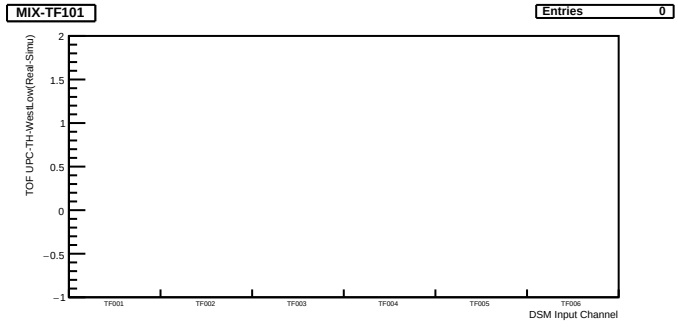

MIX-TF005
Entries 1.373066e+07
TOF MULT
TOF tray

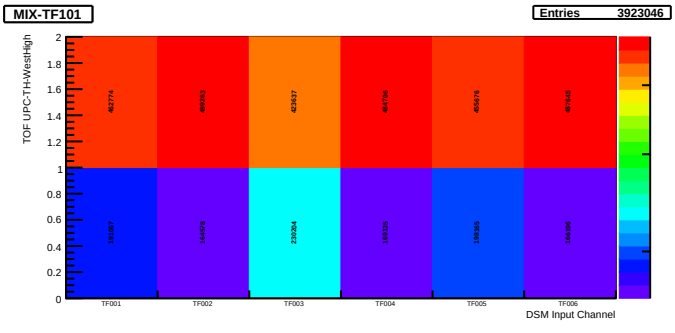

MIX-TF006
Entries 1.373066e+07
TOF MULT
TOF tray

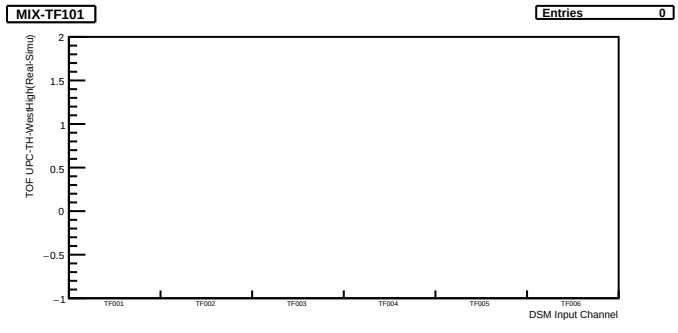

MIX-TF101
Entries 3923046
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

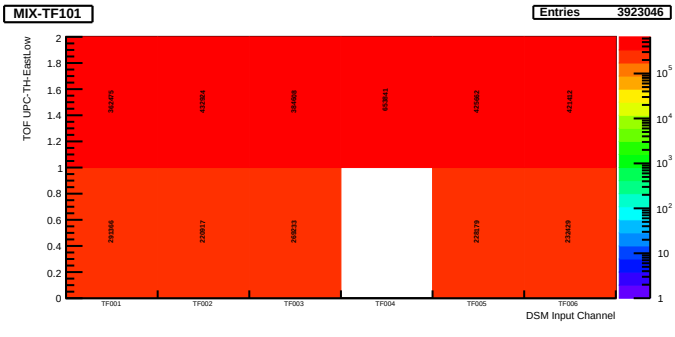

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

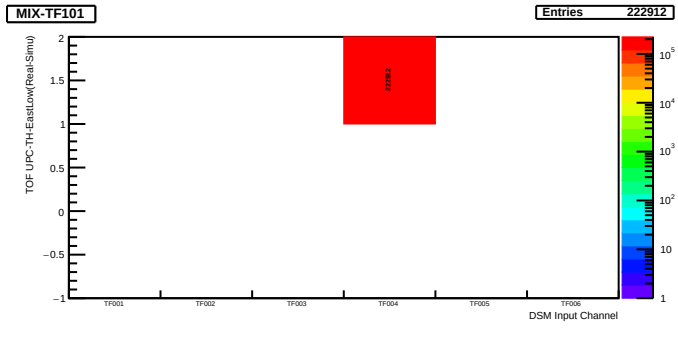

MIX-TF101
Entries 3923046
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

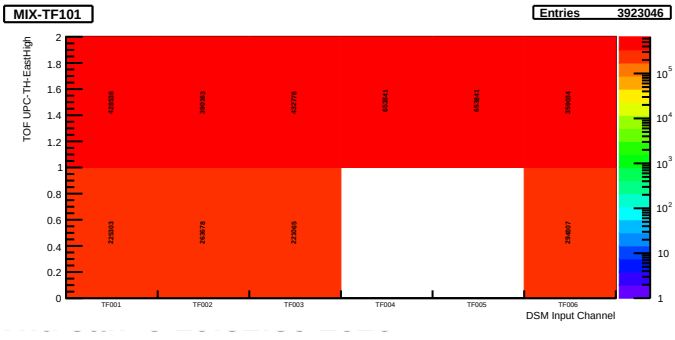

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

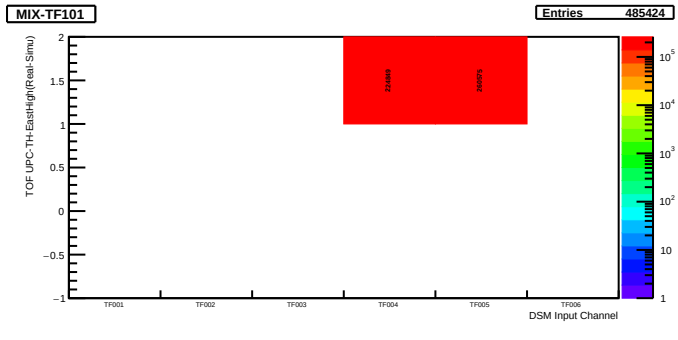

MIX-TF101
Entries 3923046
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

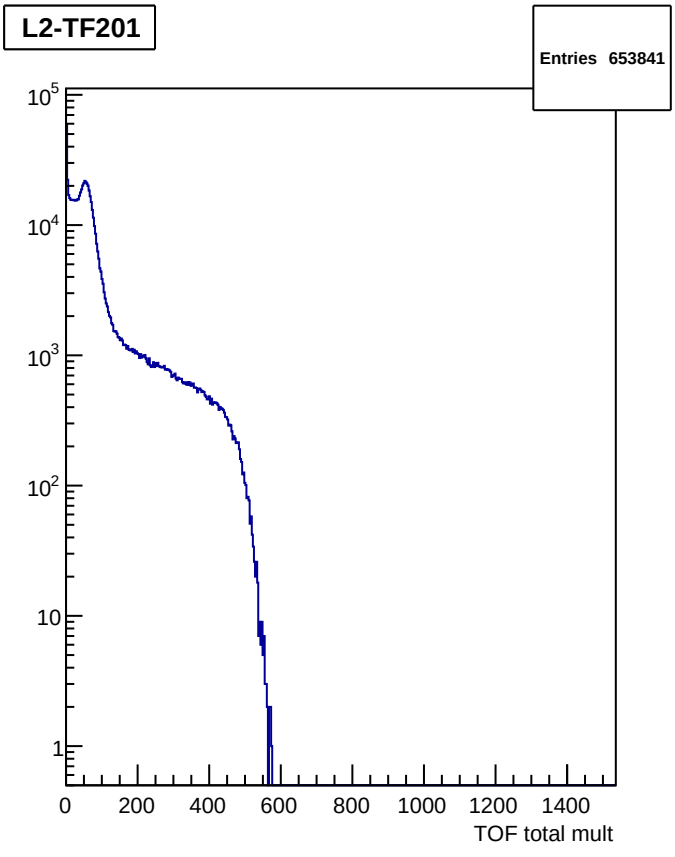

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

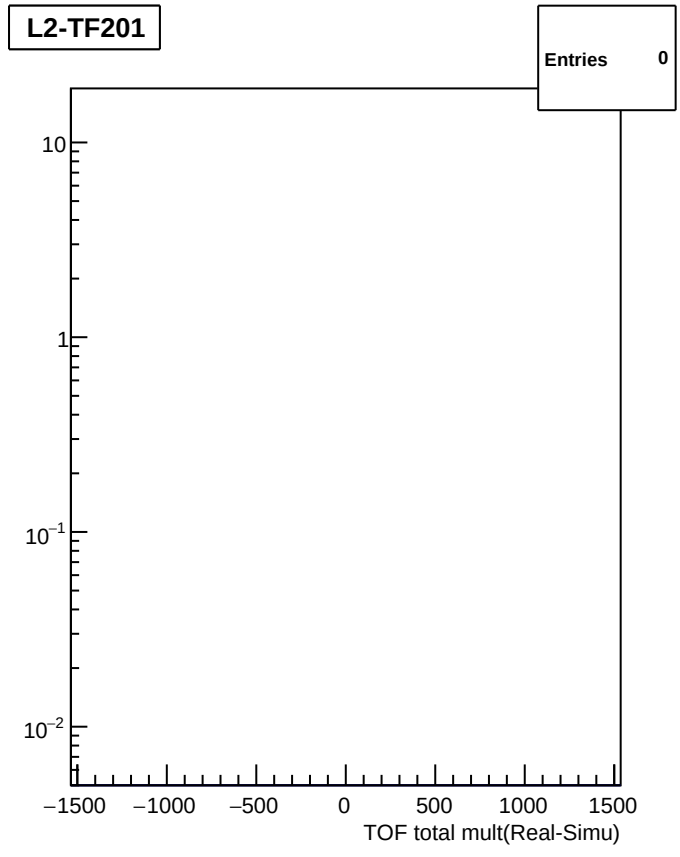

MIX-TF101
Entries 3923046
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

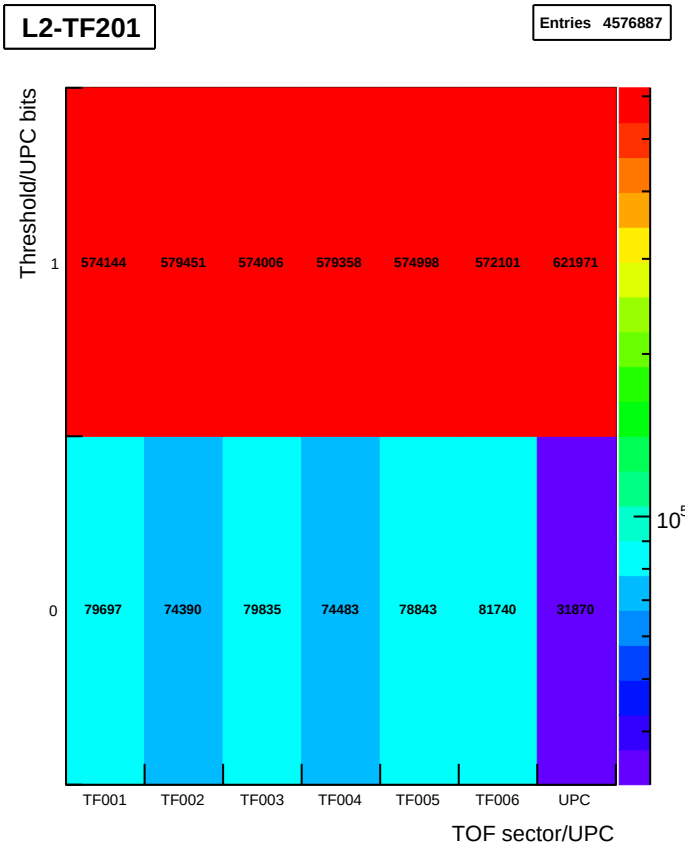

MIX-TF101
Entries 222912
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

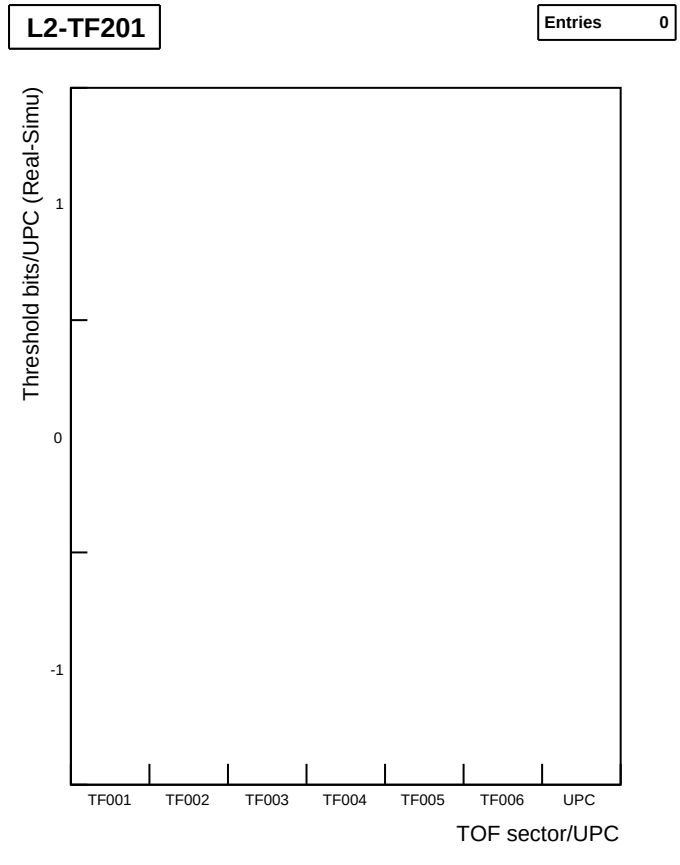

MIX-TF101
Entries 3923046
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

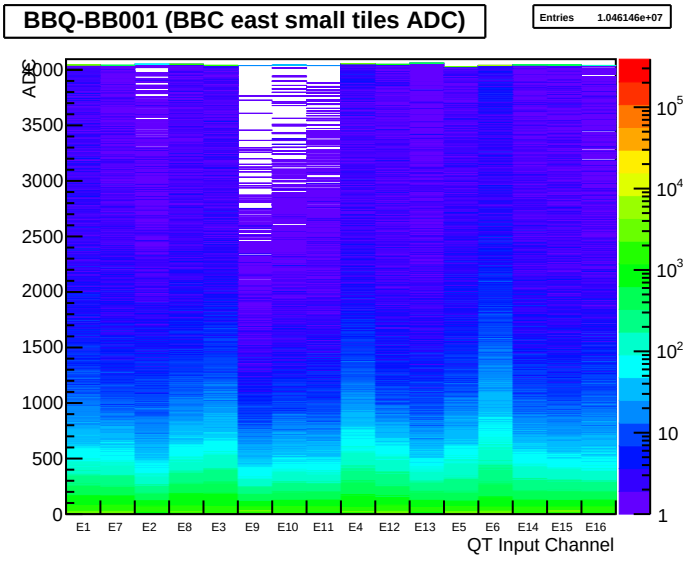

MIX-TF101
Entries 485424
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

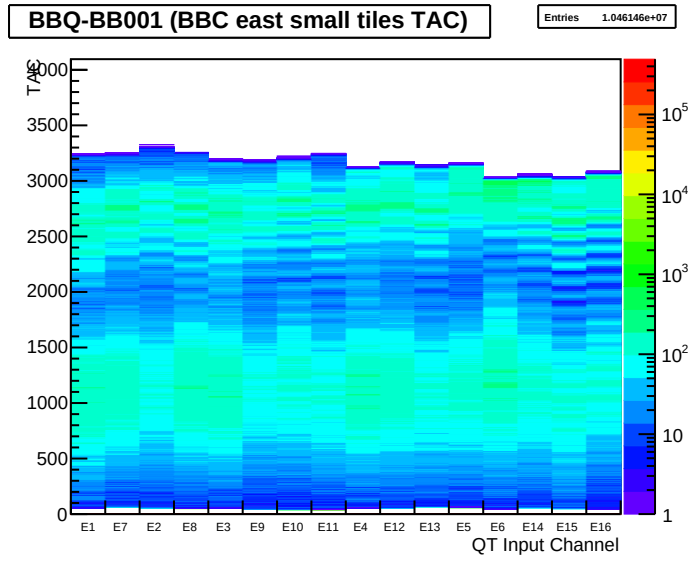

L2-TF201
Entries 653841
TOF total mult

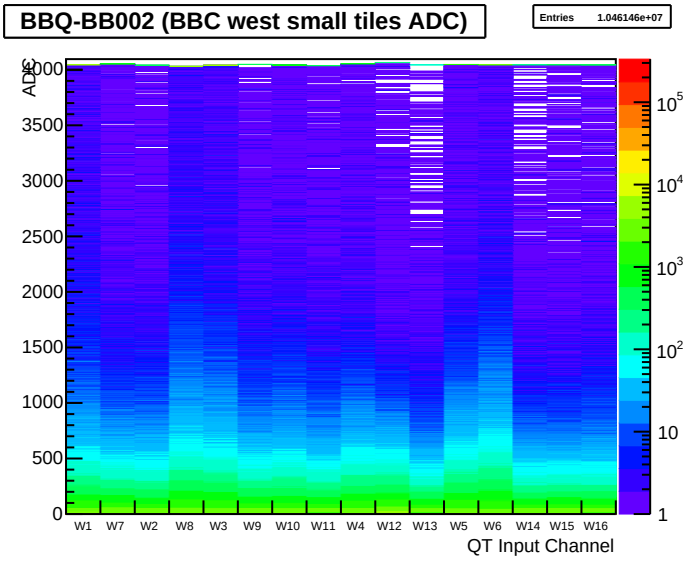

L2-TF201
Entries 0
TOF total mult(Real-Simu)

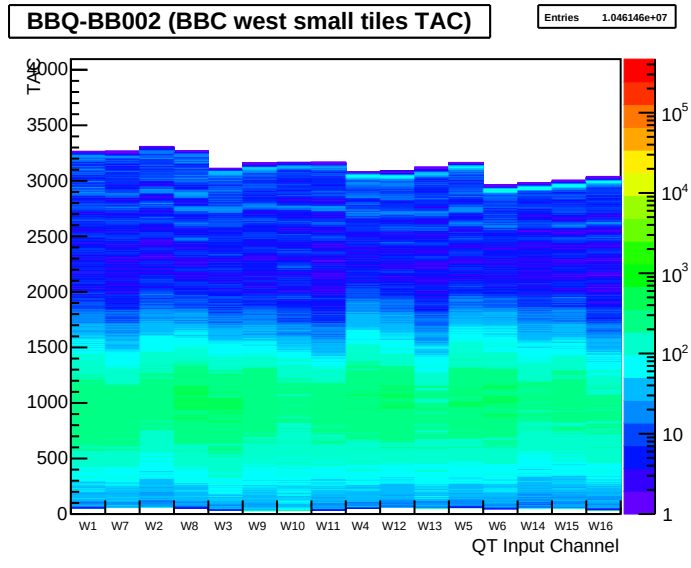

L2-TF201
Entries 4576887
Threshold/UPC bits
574144
579451
574006
579358
574998
572101
621971
79697
74390
79835
74483
78843
81740
31870
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

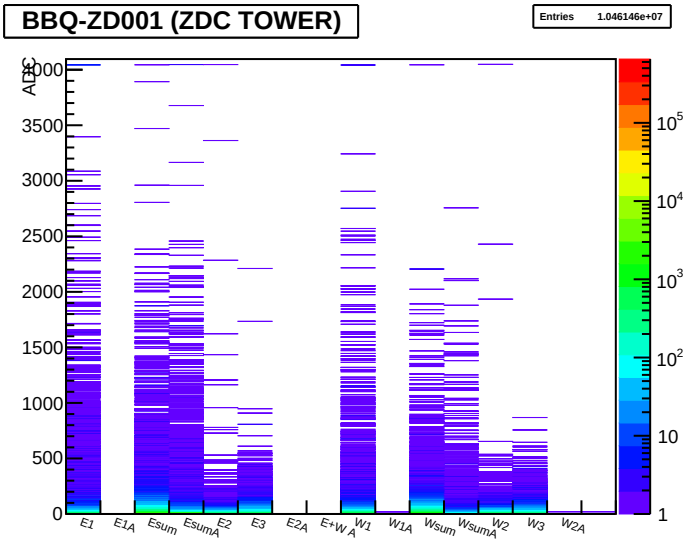

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

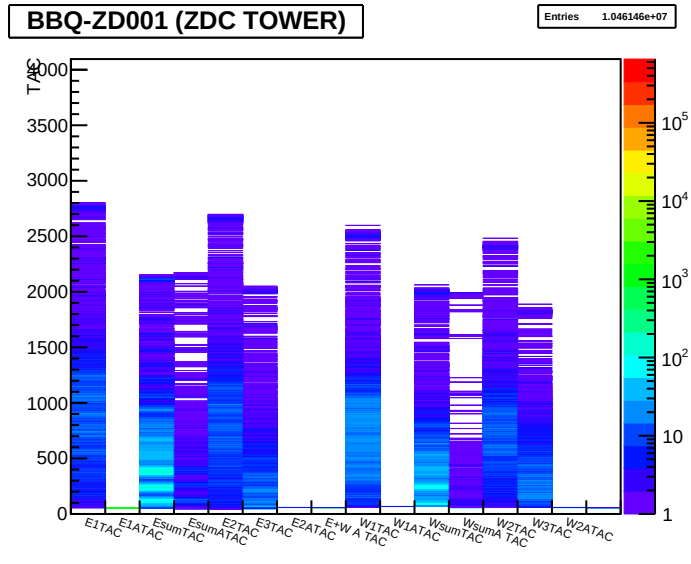

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.046146e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

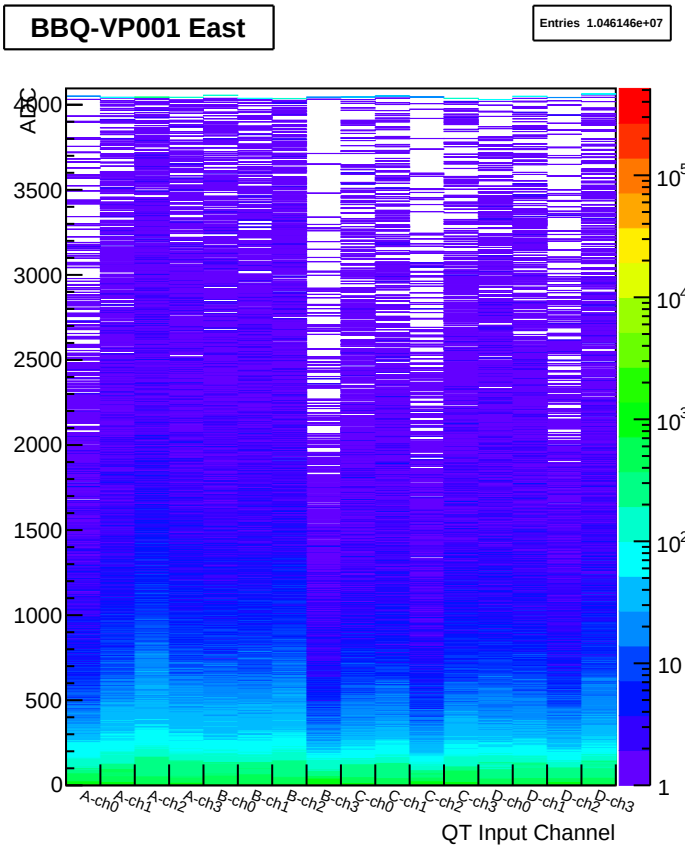

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.046146e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

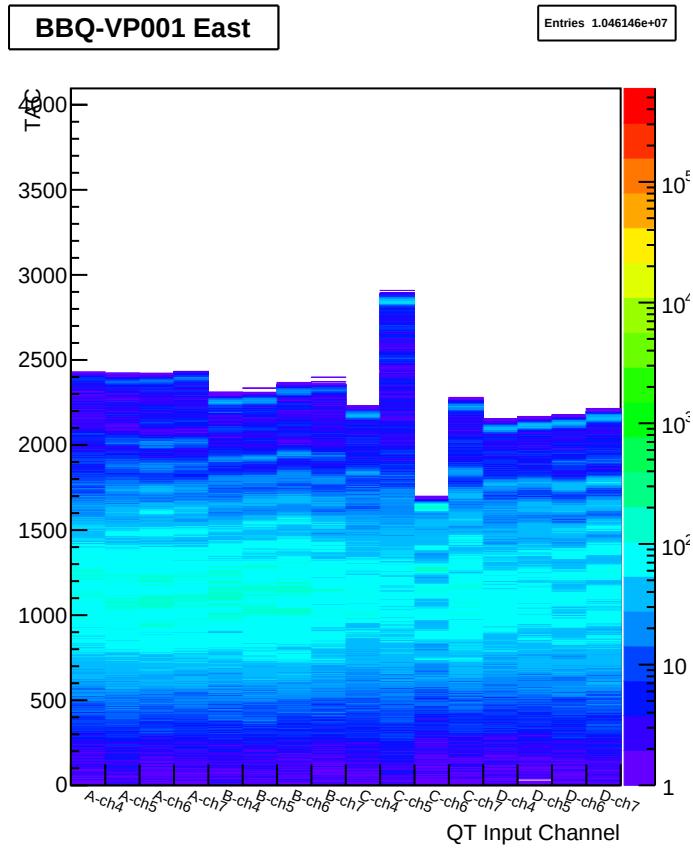

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.046146e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

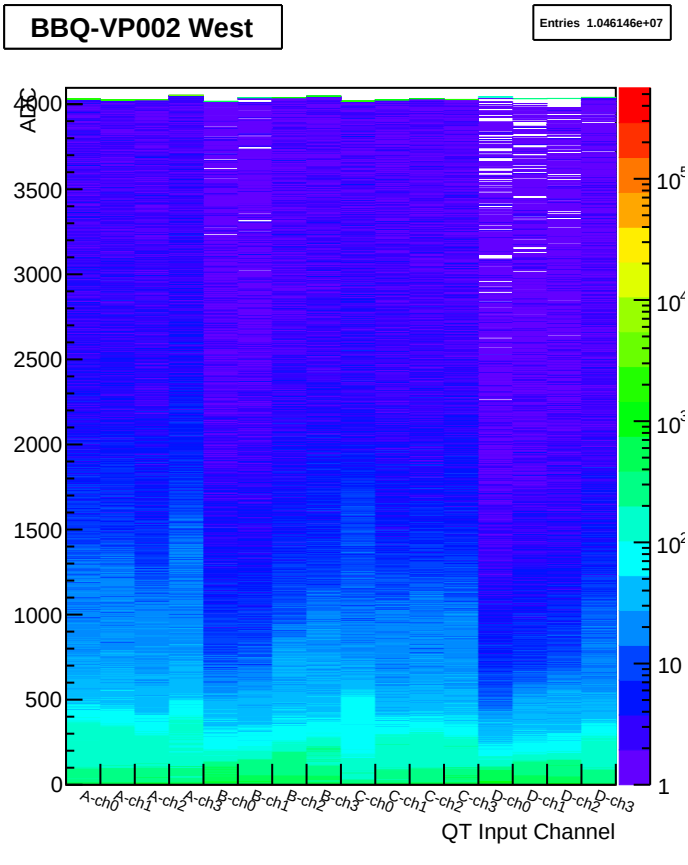

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.046146e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

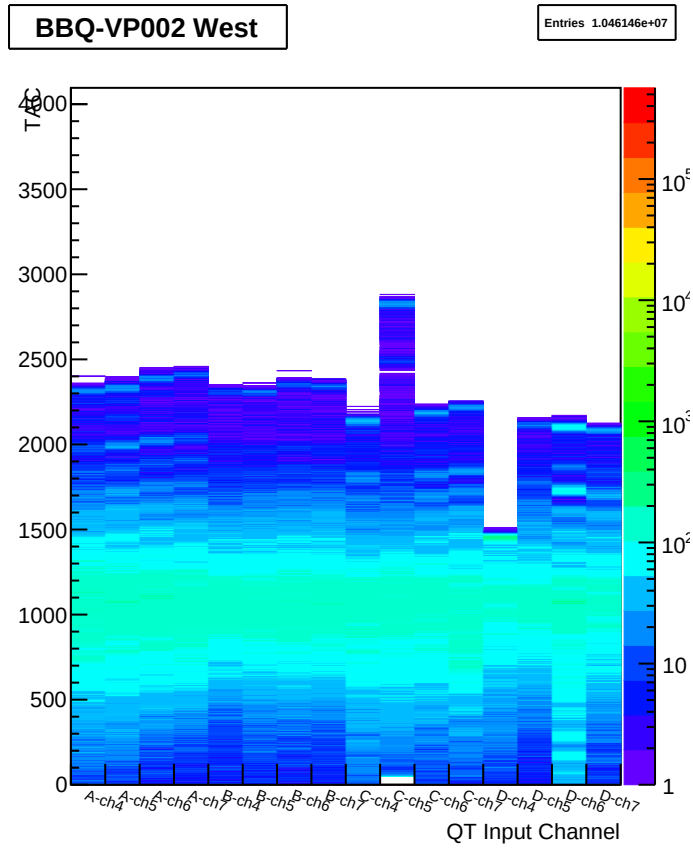

BBQ-ZD001 (ZDC TOWER)
Entries 1.046146e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

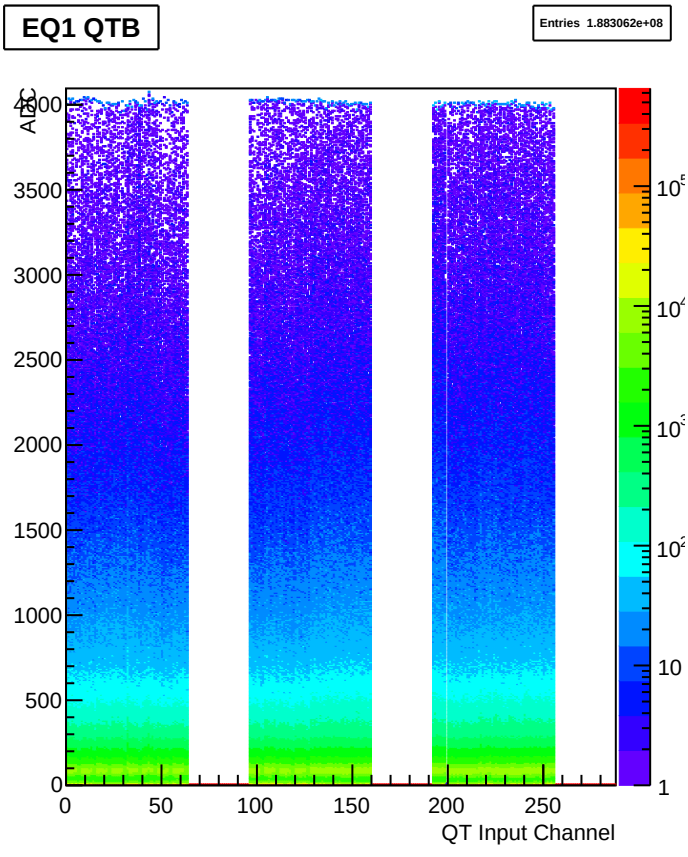

BBQ-ZD001 (ZDC TOWER)
Entries 1.046146e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

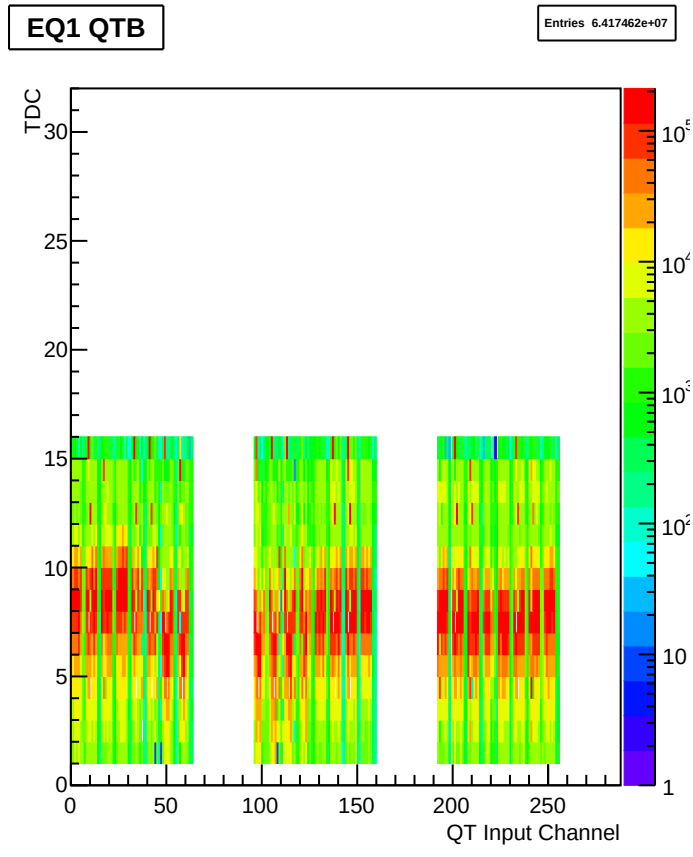

BBQ-VP001 East
Entries 1.046146e+07
ADC
QT Input Channel

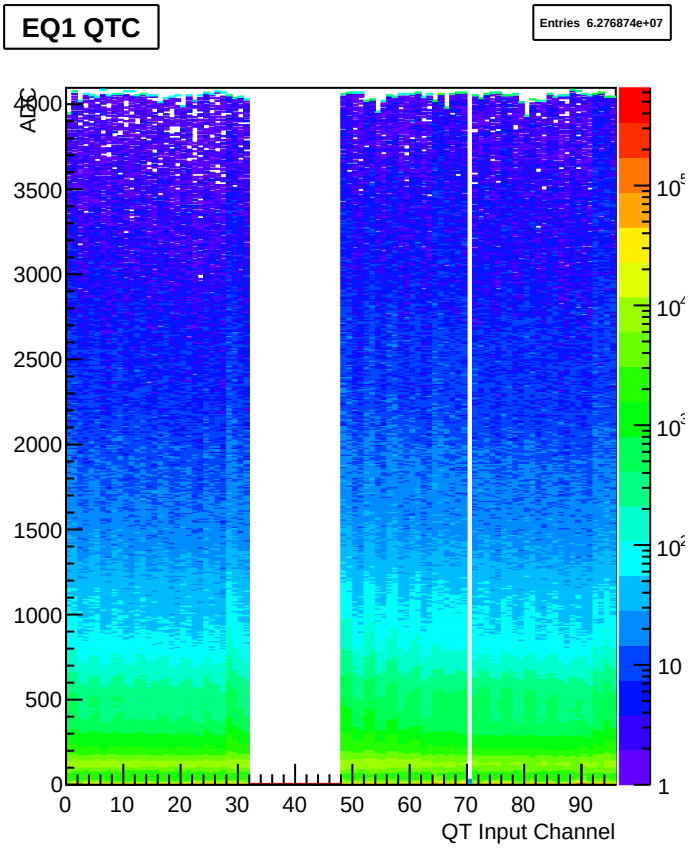

BBQ-VP001 East
Entries 1.046146e+07
TADC
QT Input Channel

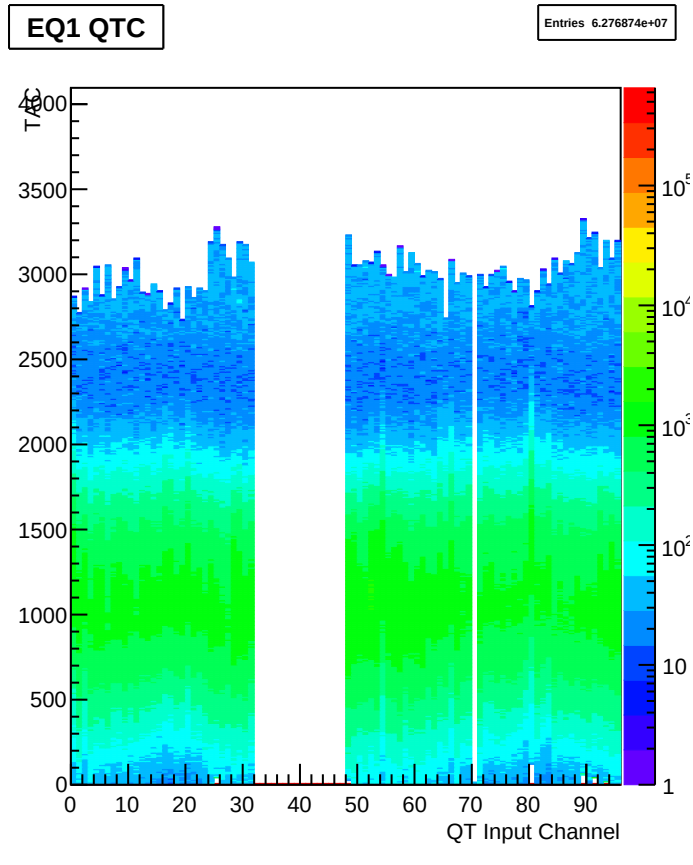

BBQ-VP002 West
Entries 1.046146e+07
ADC
QT Input Channel

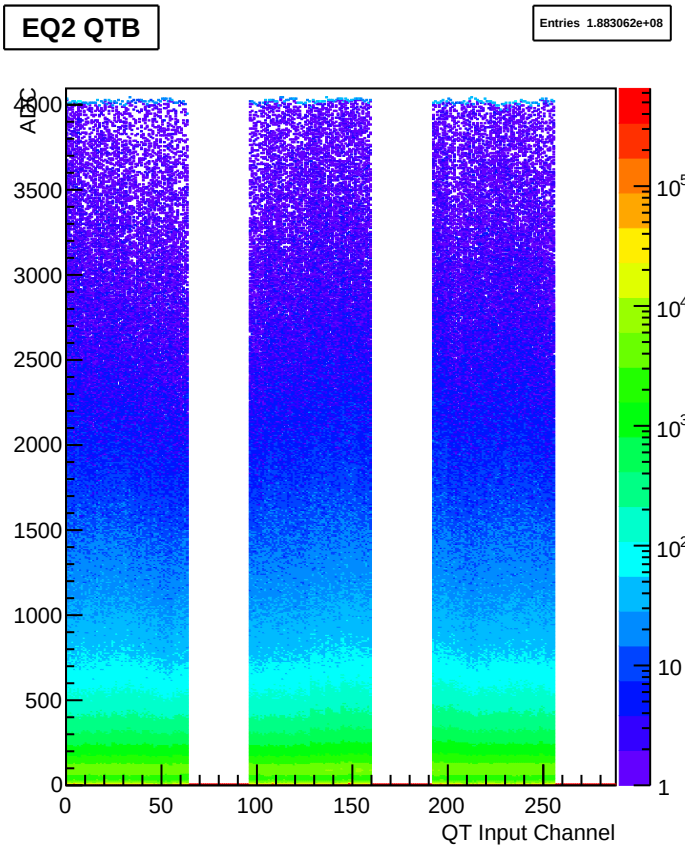

BBQ-VP002 West
Entries 1.046146e+07
TADC
QT Input Channel

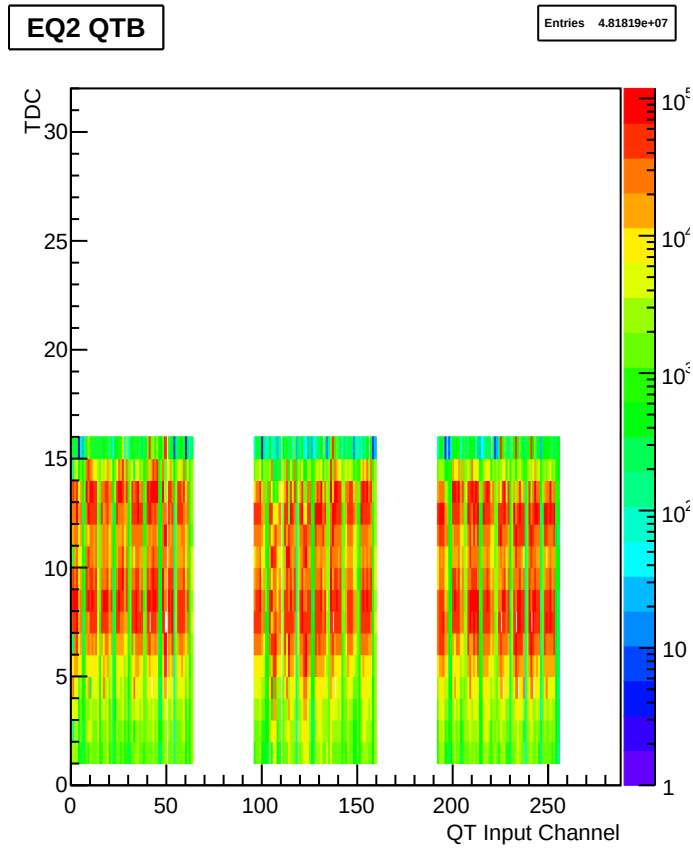

EQ1 QTB
Entries 1.883062e+08
ADC
QT Input Channel

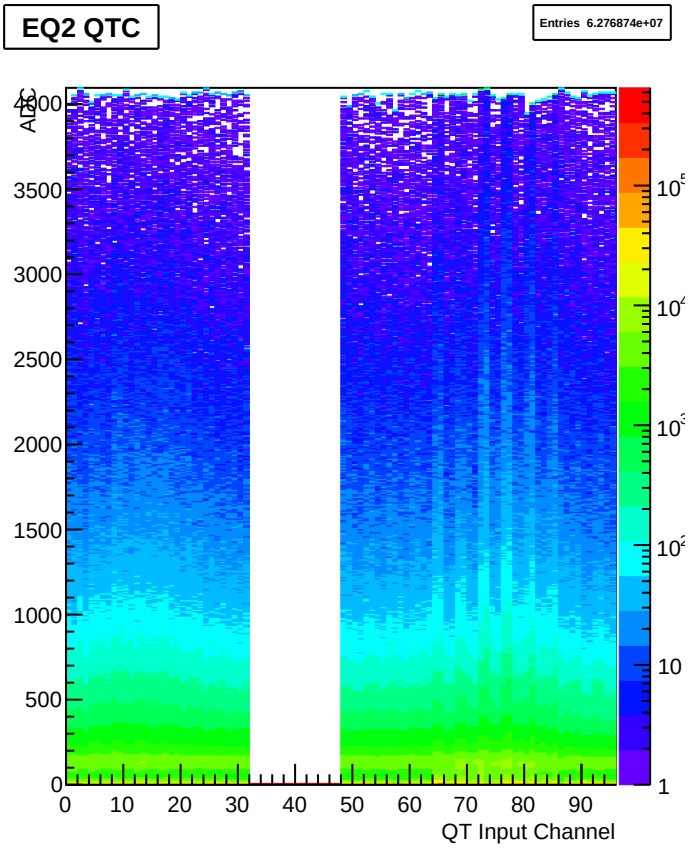

EQ1 QTB
Entries 6.417462e+07
TDC
QT Input Channel

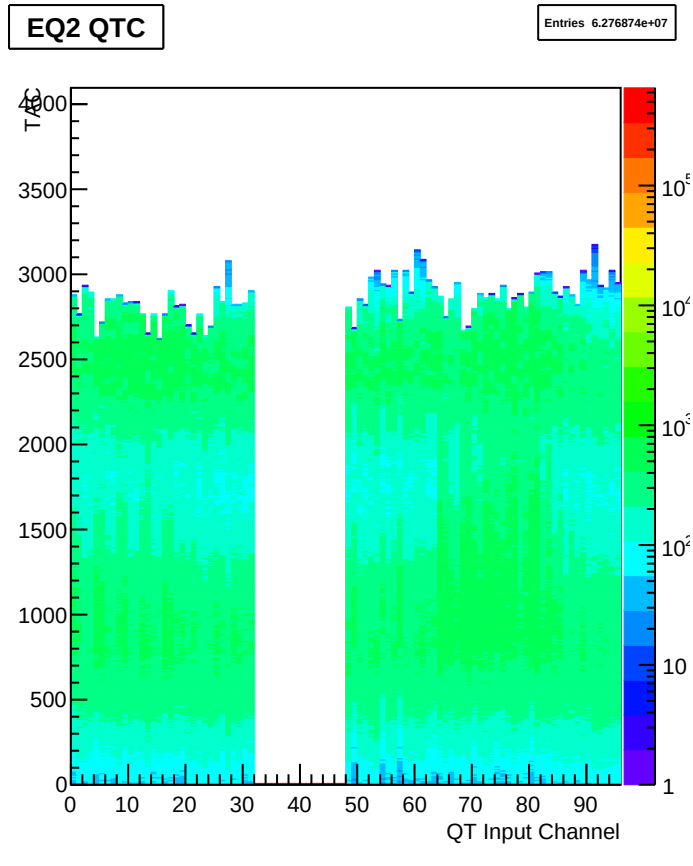

EQ1 QTC
Entries 6.276874e+07
ADC
QT Input Channel

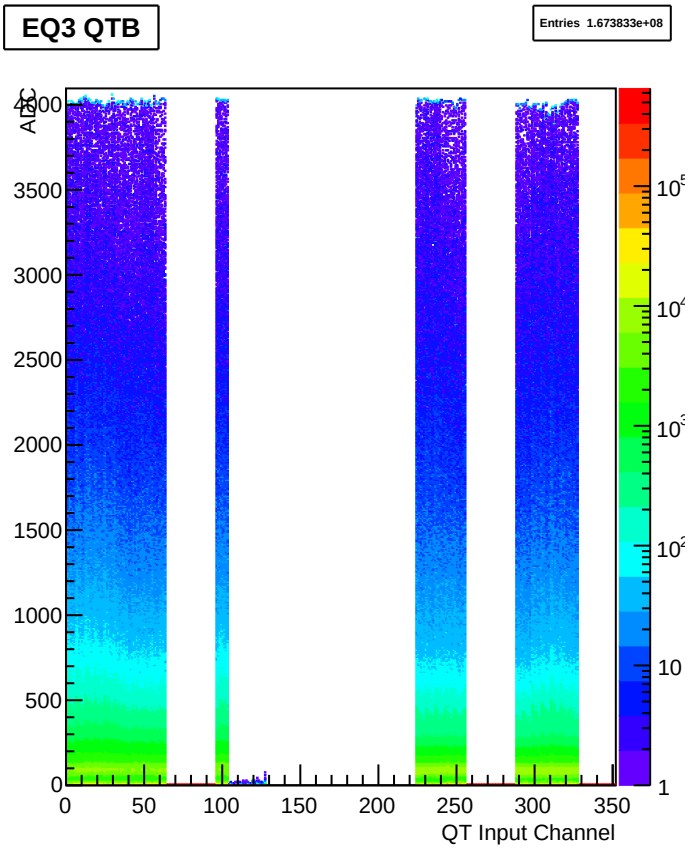

EQ1 QTC
Entries 6.276874e+07
TADC
QT Input Channel

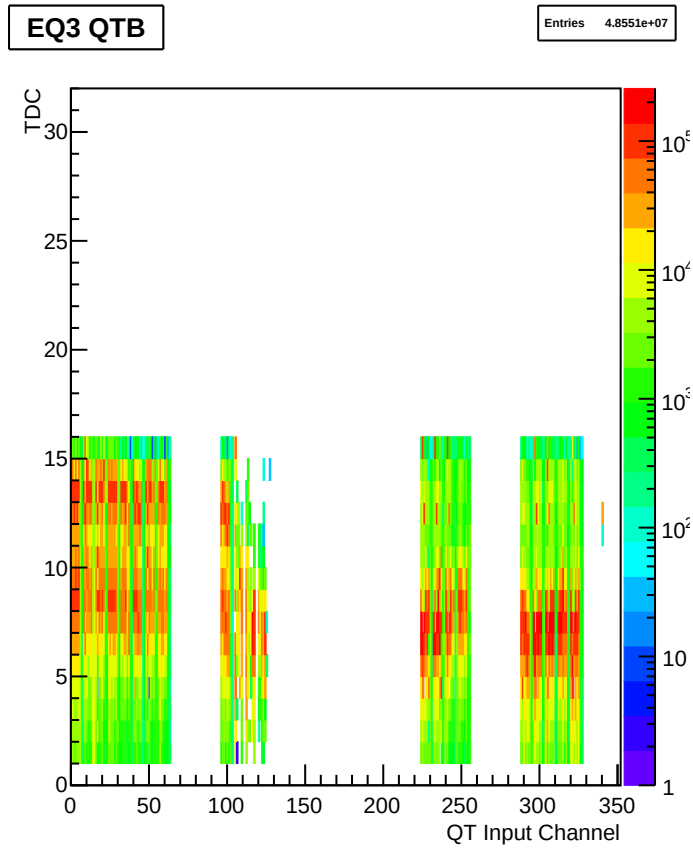

EQ2 QTB
Entries 1.883062e+08
ADC
QT Input Channel

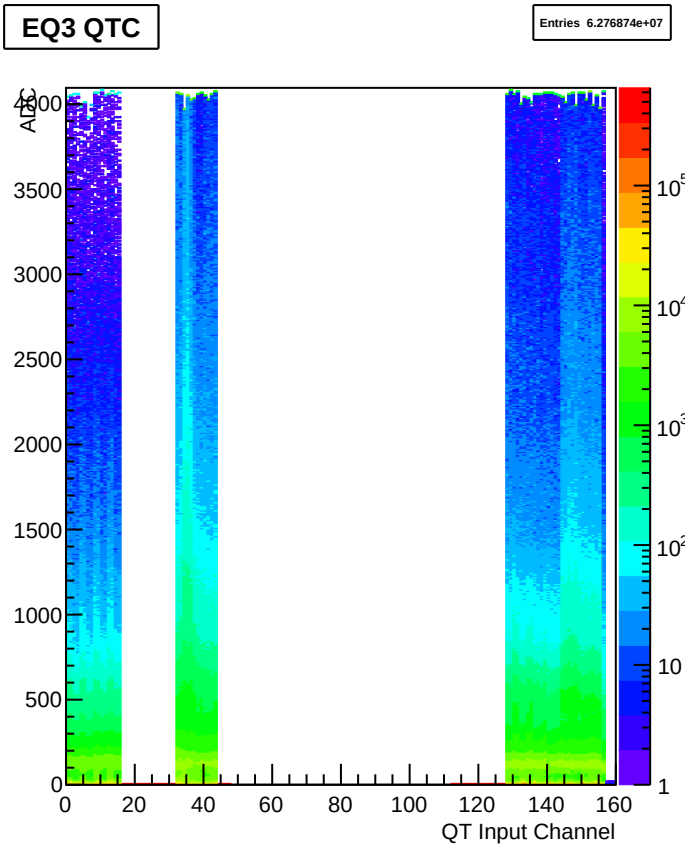

EQ2 QTB
Entries 4.81819e+07
TDC
QT Input Channel

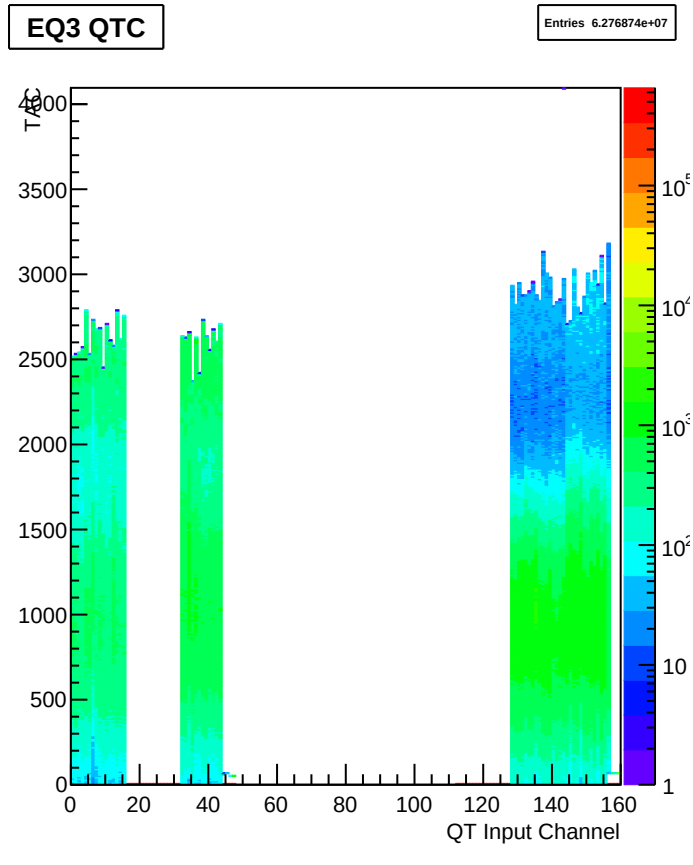

EQ2 QTC
Entries 6.276874e+07
ADC
QT Input Channel

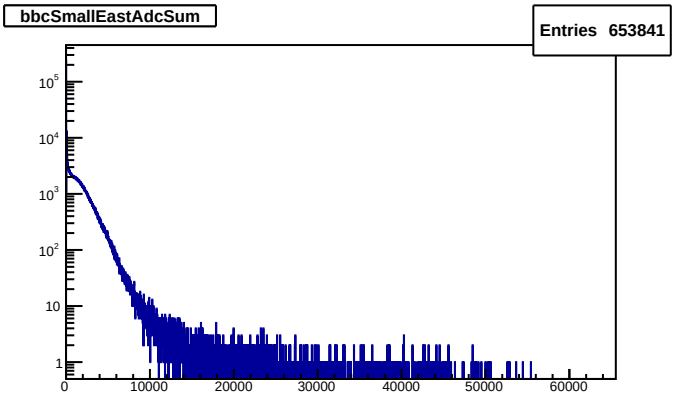

EQ2 QTC
Entries 6.276874e+07
TADC
QT Input Channel

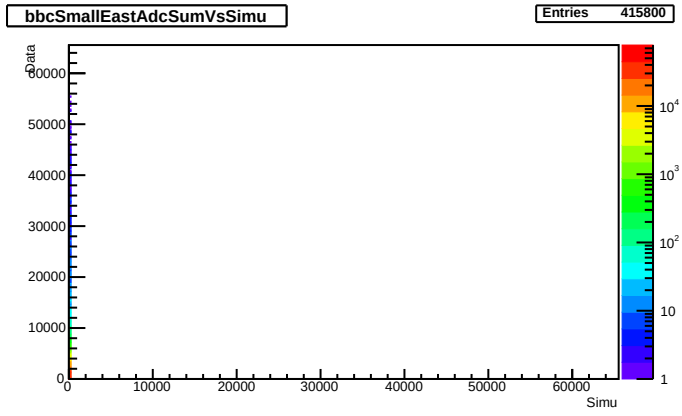

EQ3 QTB
Entries 1.673833e+08
ADC
QT Input Channel

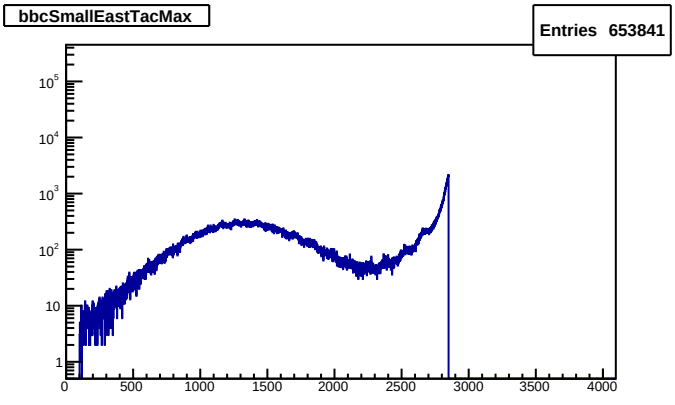

EQ3 QTB
Entries 4.8551e+07
TDC
QT Input Channel

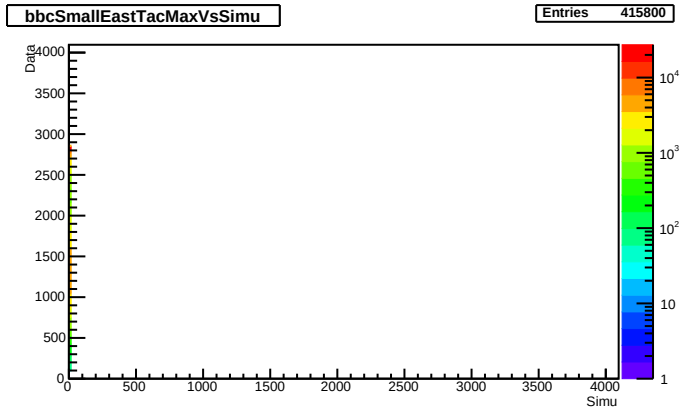

EQ3 QTC
Entries 6.276874e+07
ADC
QT Input Channel


EQ3 QTC
Entries 6.276874e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 653841


bbcSmallEastAdcSumVsSimu
Entries 415800
Data
Simu


bbcSmallEastTacMax
Entries 653841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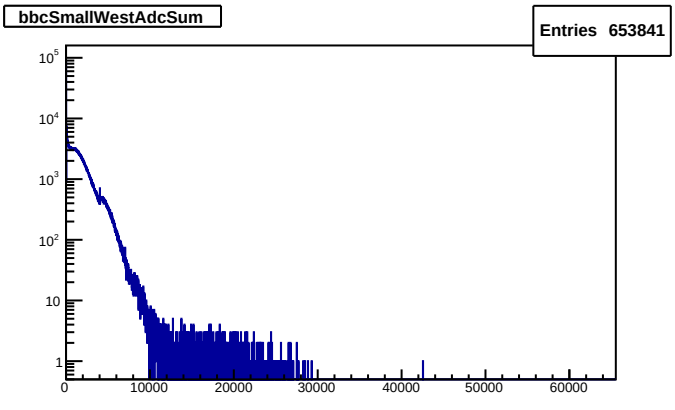
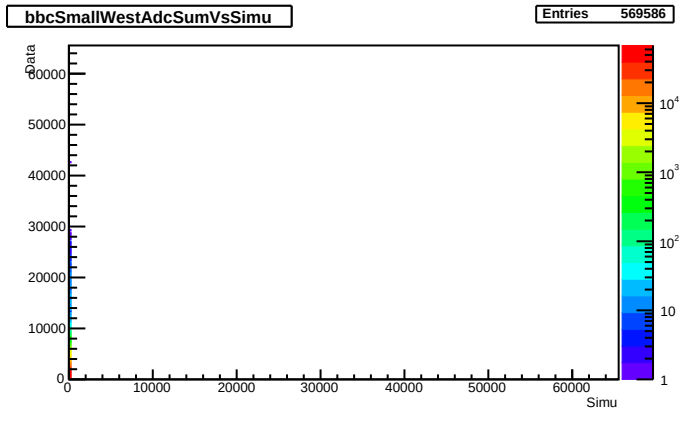
Entries 415800
Data
Simu


bbcSmallWestAdcSum
Entries 653841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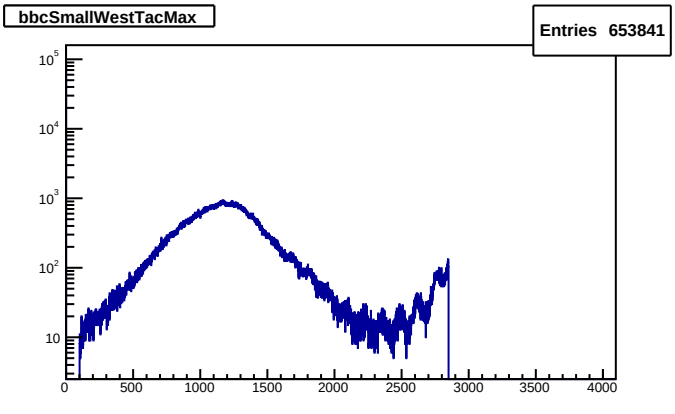
Entries 569586
Data
Simu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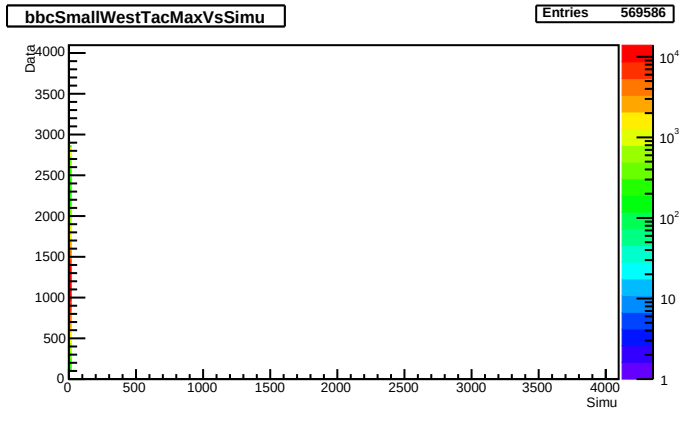
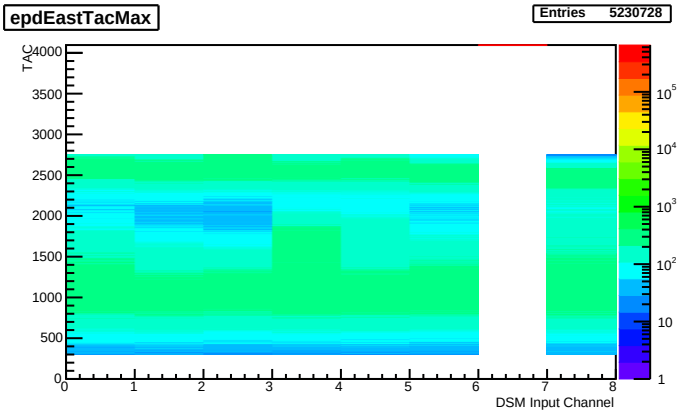
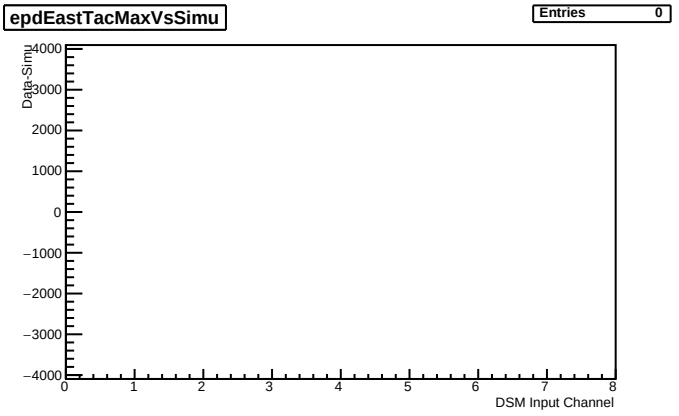
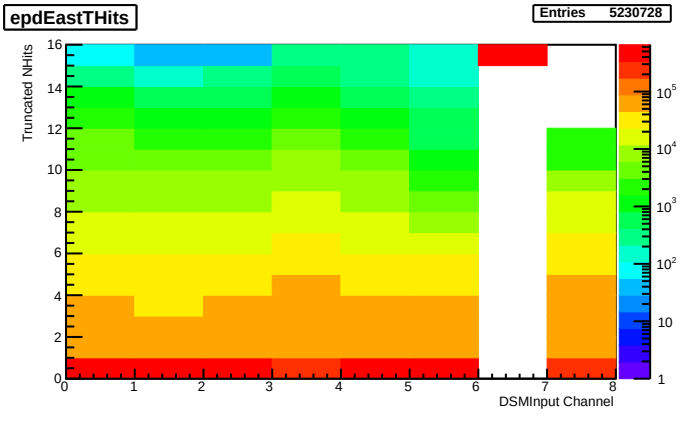
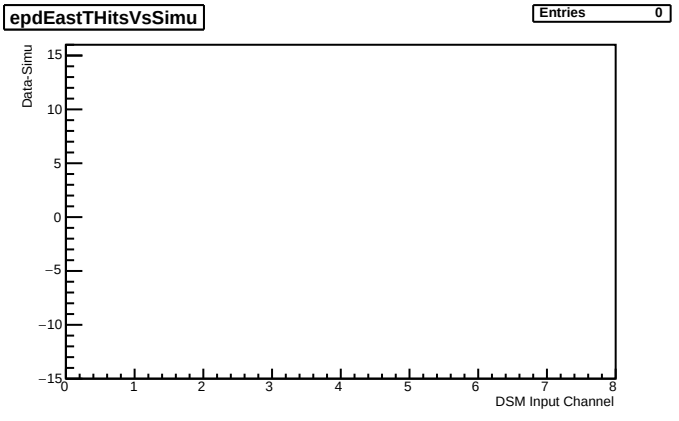
Entries 653841


bbcSmallWestTacMaxVsSimu
Entries 569586
Data
Simu


epdEastTacMax
Entries 5230728
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 5230728
Truncated NHits
DSMInput Channel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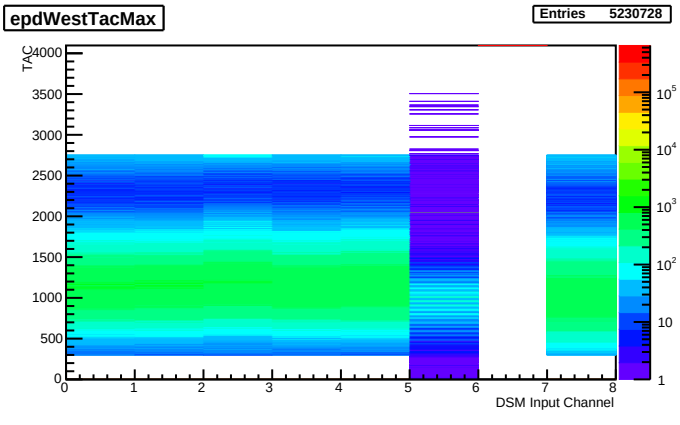
Data-Simu
DSM Input Channel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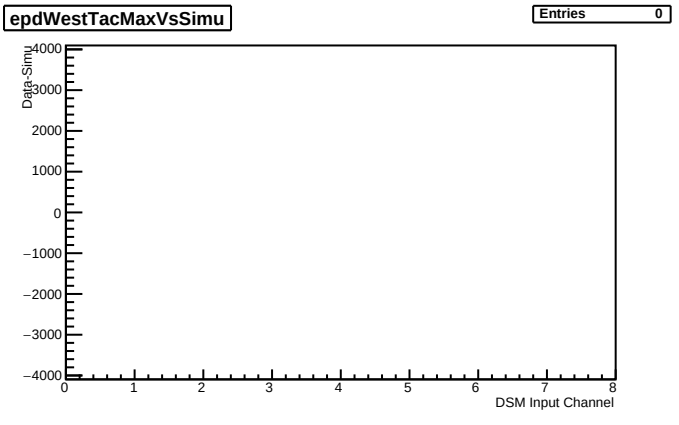
TAC
DSM Input Channel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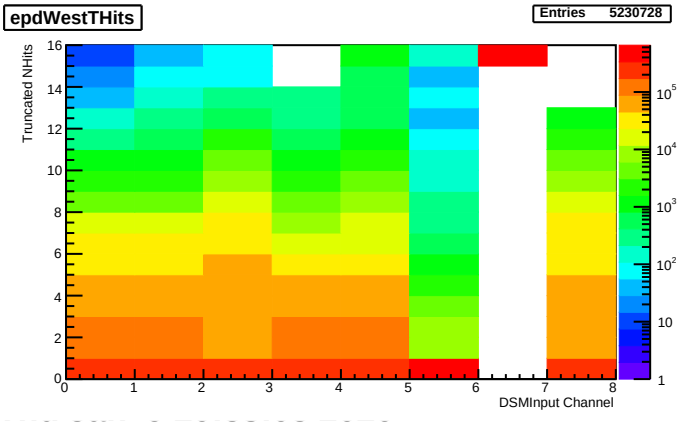
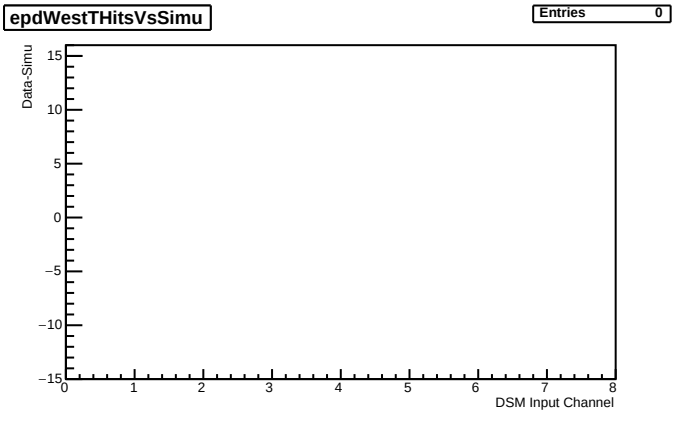
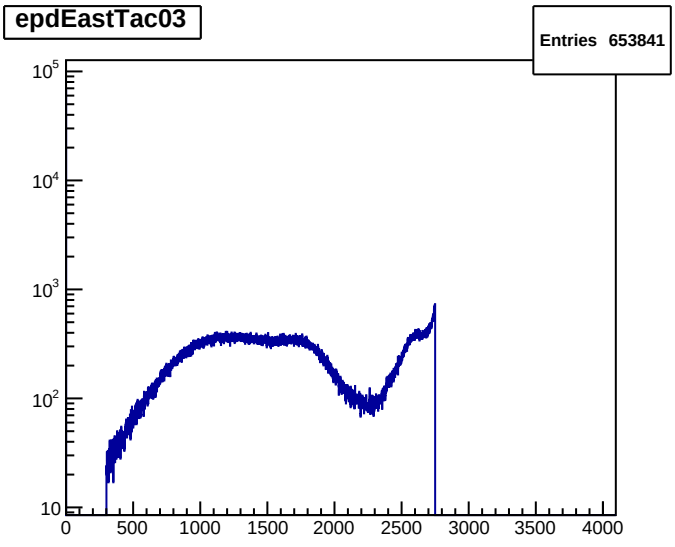
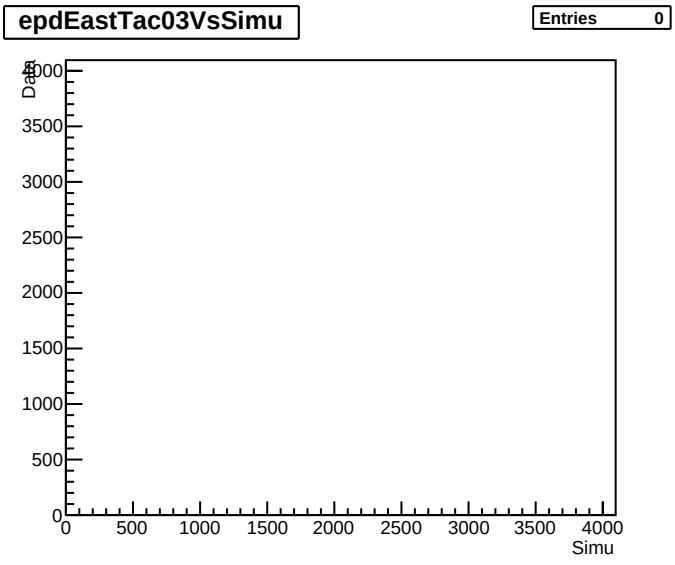
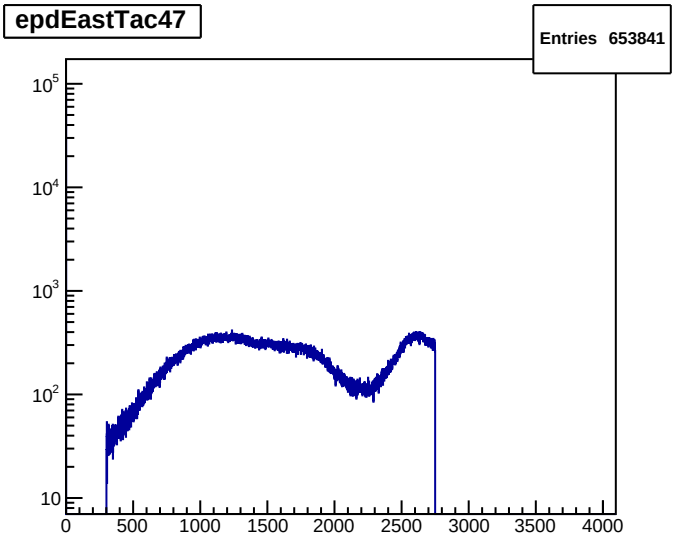
Entries 0
Data-Simu
DSM Input Channel

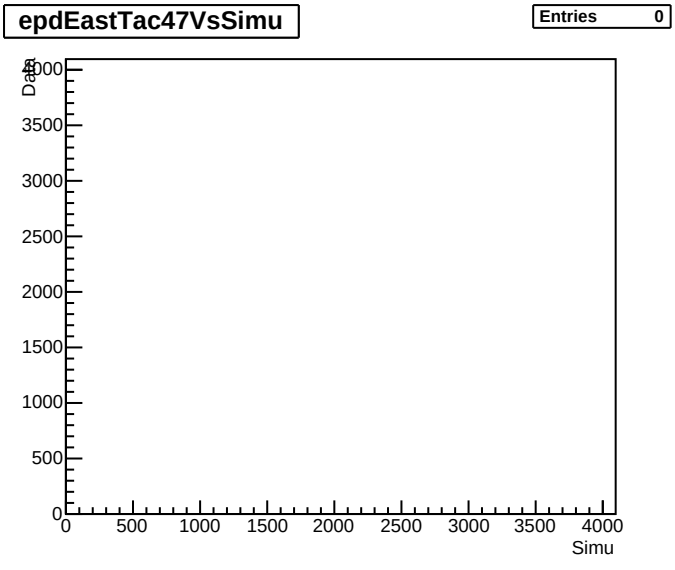

epdWestTHits
Entries 5230728
Truncated NHits
DSMInput Channel

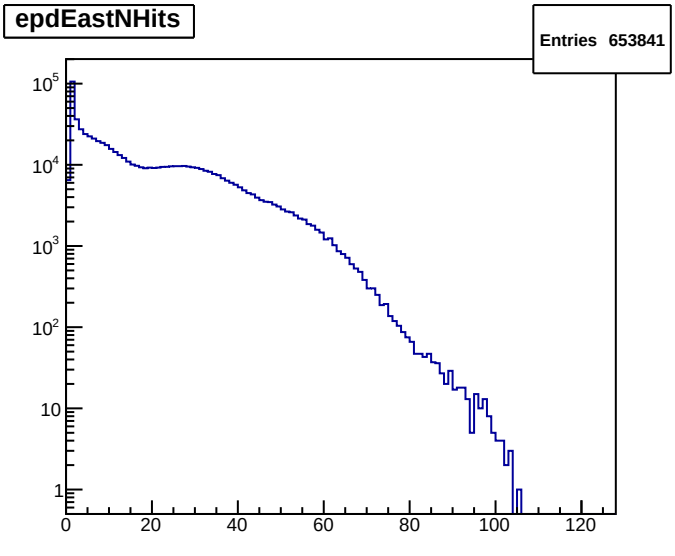

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

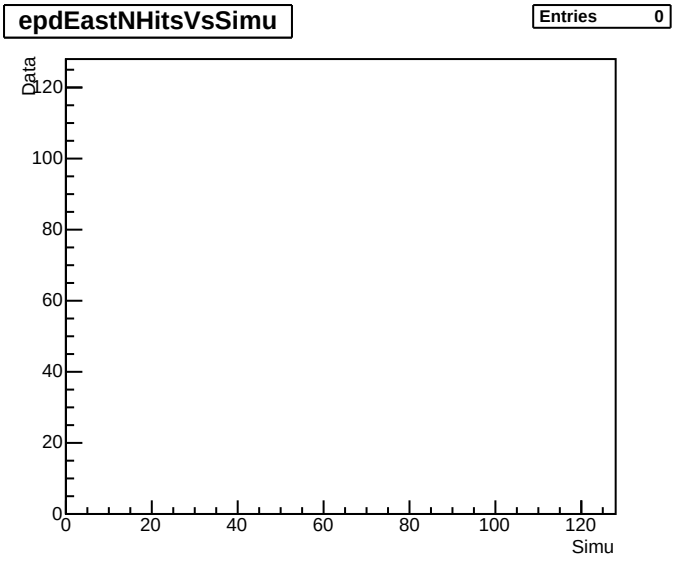

epdEastTac03
Entries 653841


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 653841


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 653841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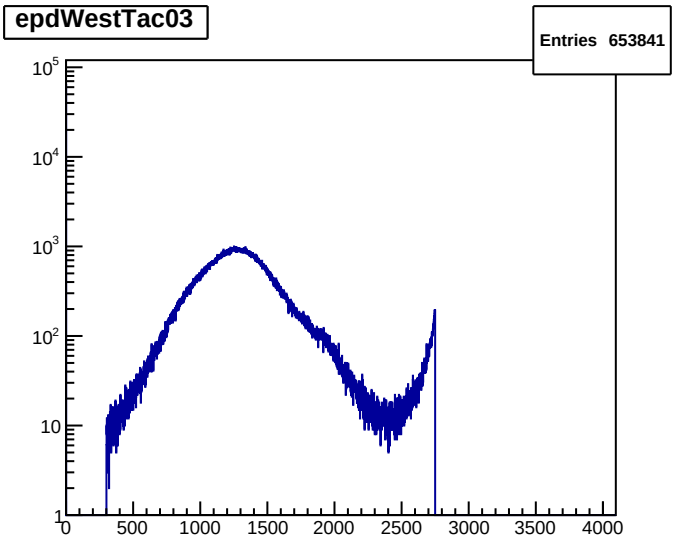
Entries 0
Data
Simu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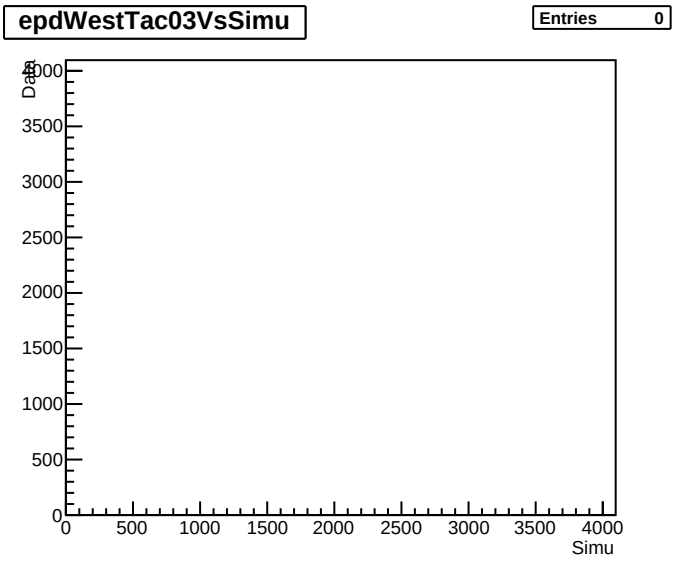
Entries 653841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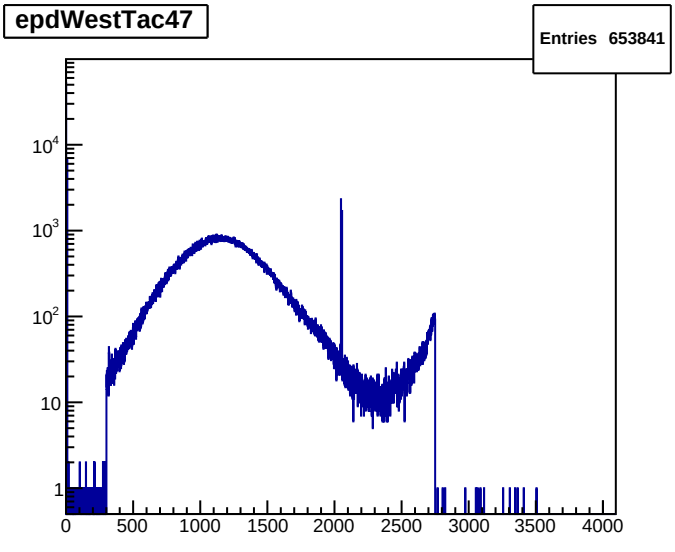
Entries 0
Data
Simu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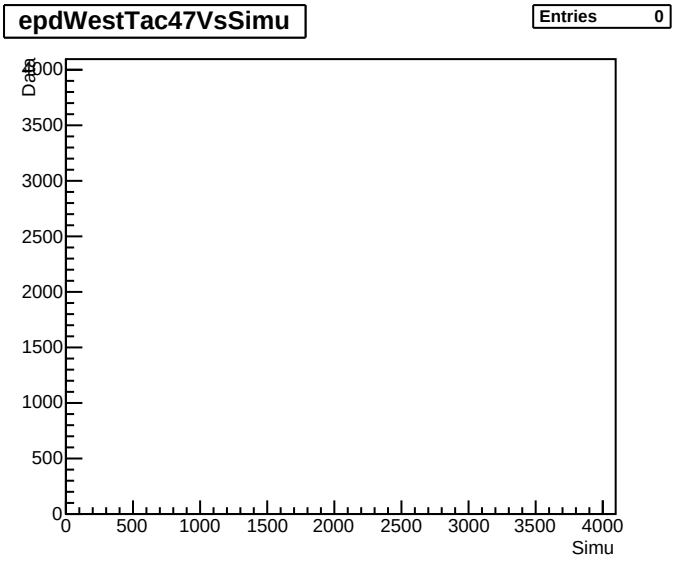
Entries 653841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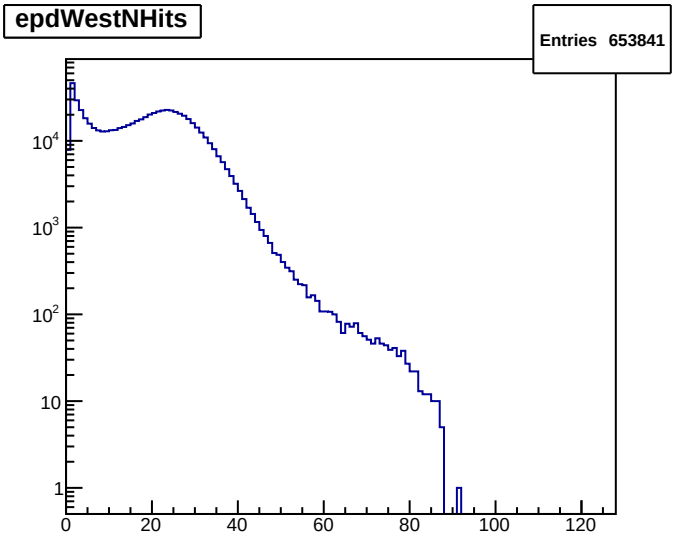
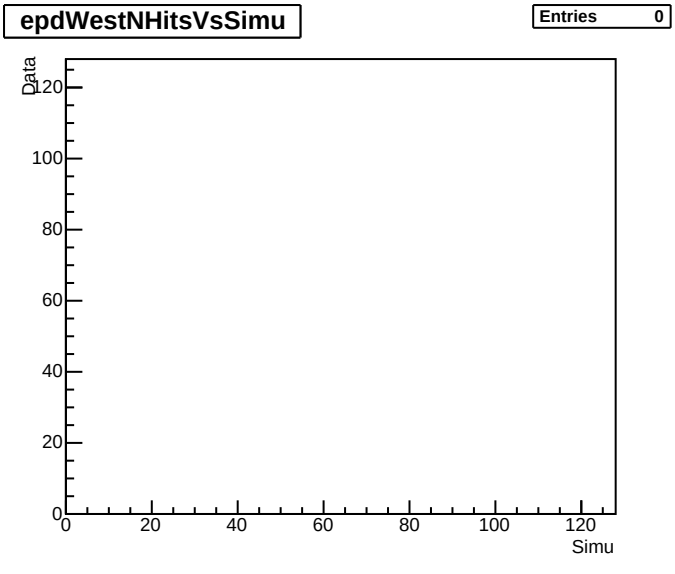
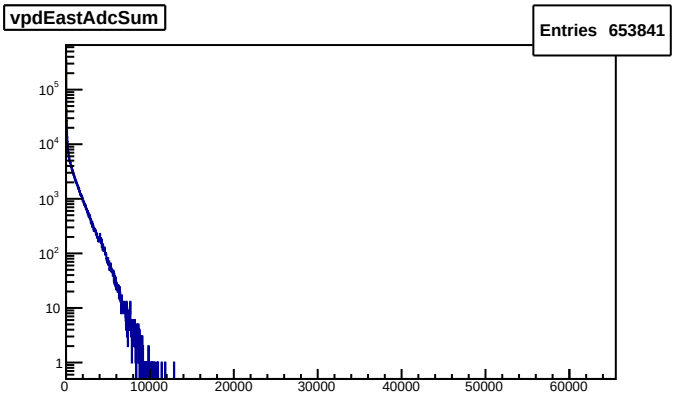
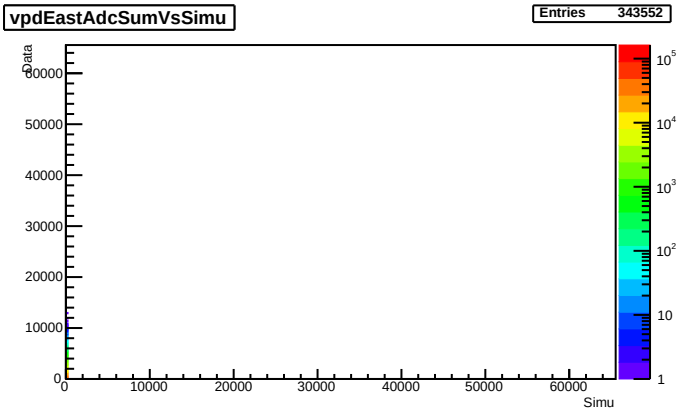
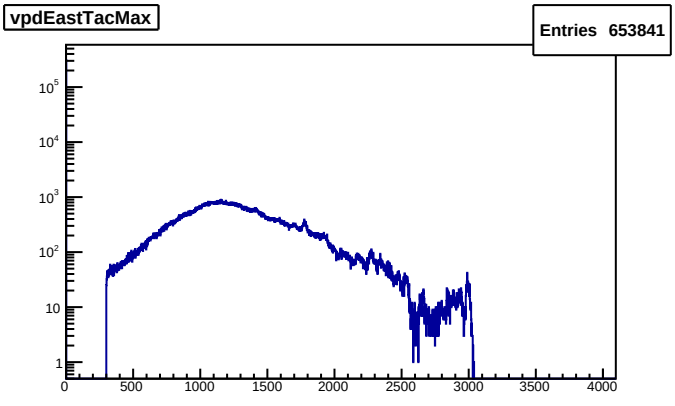
Entries 0
Data
Simu

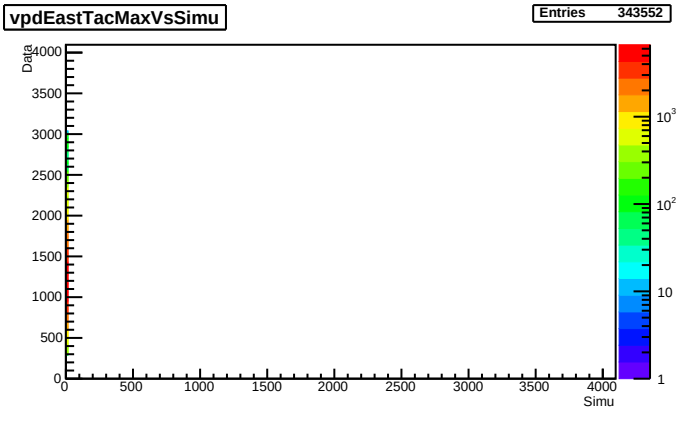

epdWestNHits
Entries 653841

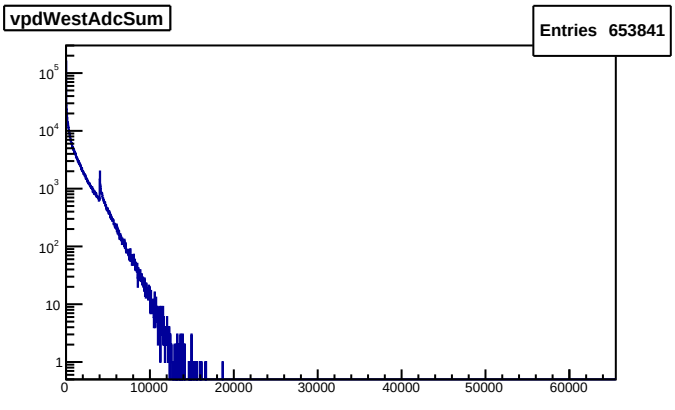

epdWestNHitsVsSimu
Entries 0
Data
Simu

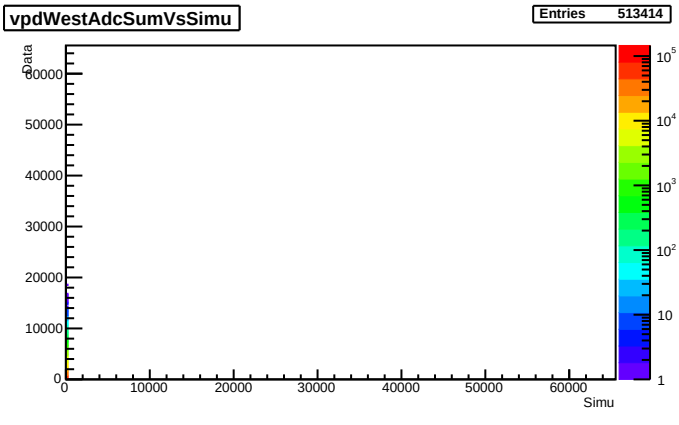

vpdEastAdcSum
Entries 653841

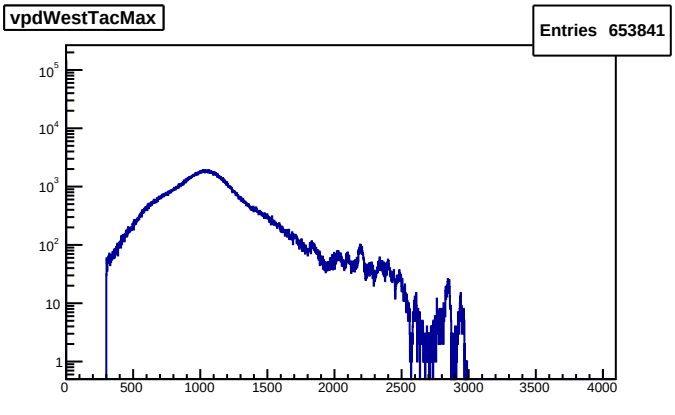

vpdEastAdcSumVsSimu
Entries 343552
Data
Simu

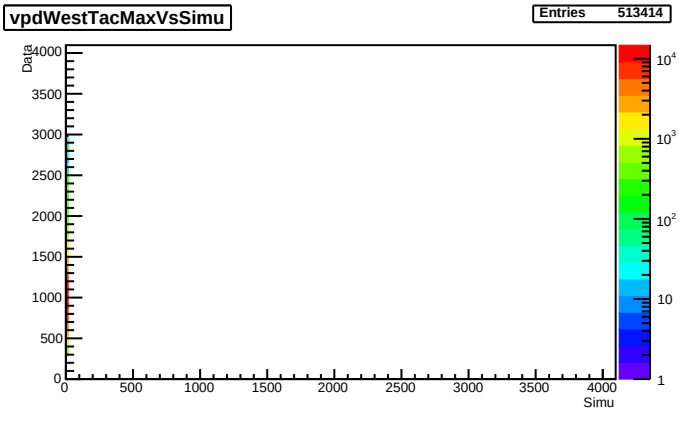

vpdEastTacMax
Entries 653841

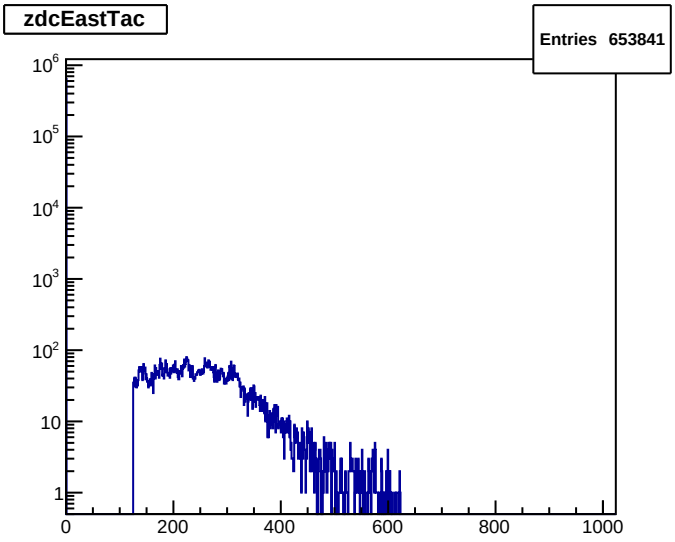

vpdEastTacMaxVsSimu
Entries 343552
Data
Simu

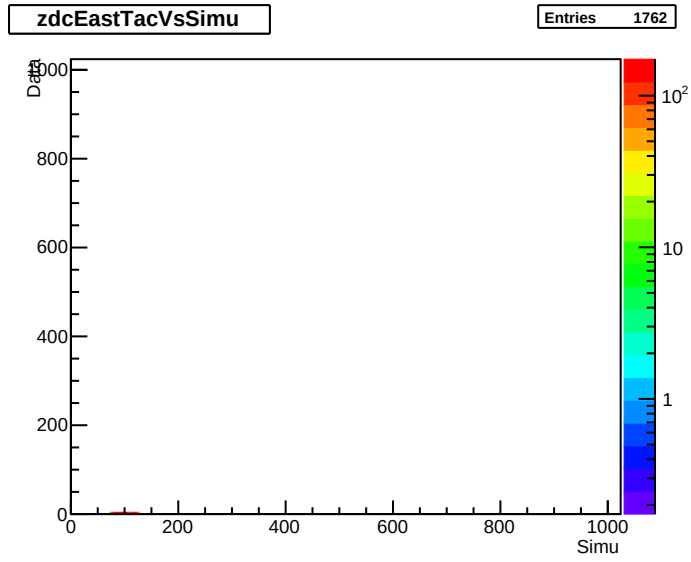

vpdWestAdcSum
Entries 653841

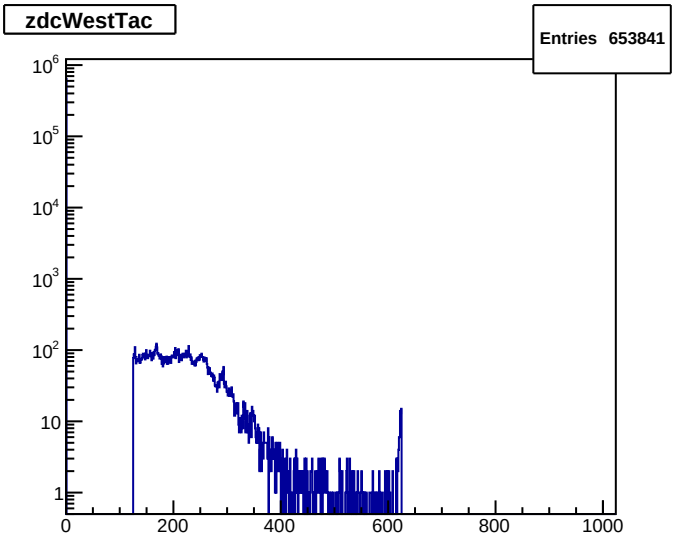

vpdWestAdcSumVsSimu
Entries 513414
Data
Simu

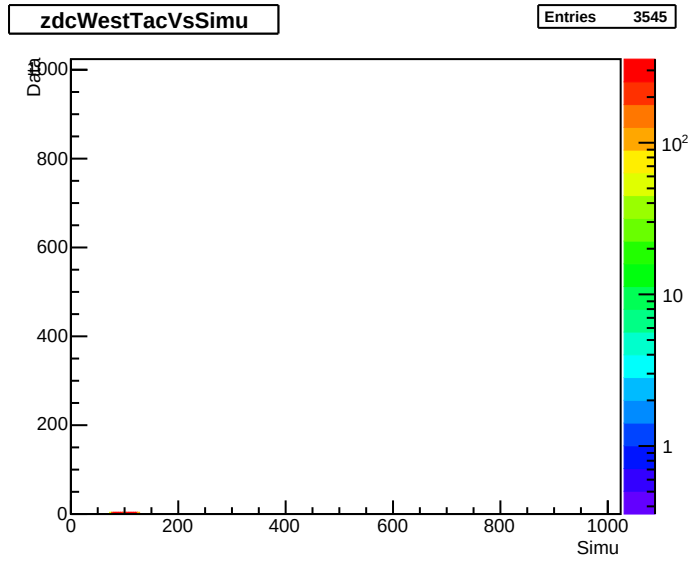

vpdWestTacMax
Entries 653841

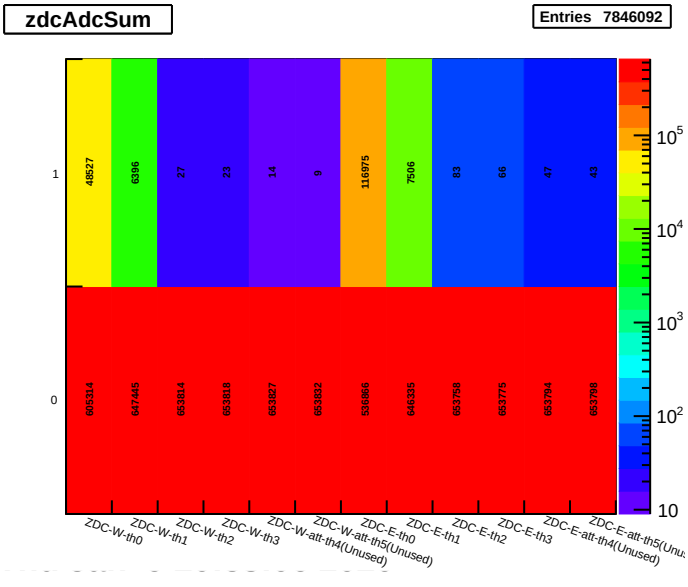

vpdWestTacMaxVsSimu
Entries 513414
Data
Simu

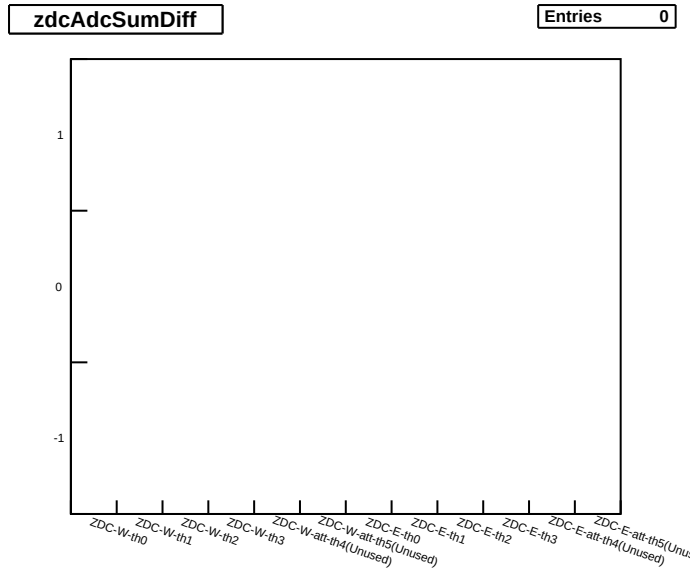

zdcEastTac
Entries 653841

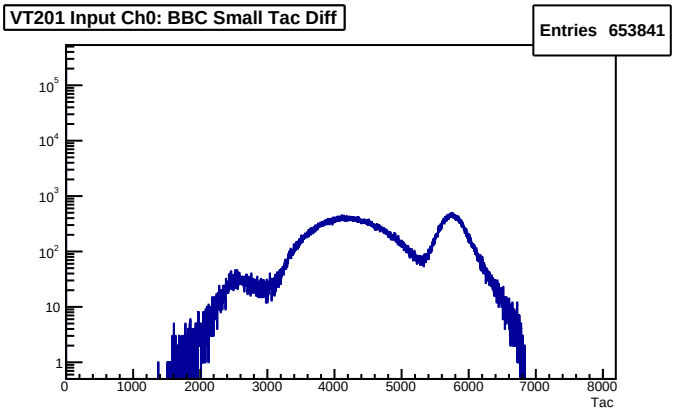

zdcEastTacVsSimu
Entries 1762
Data
Simu

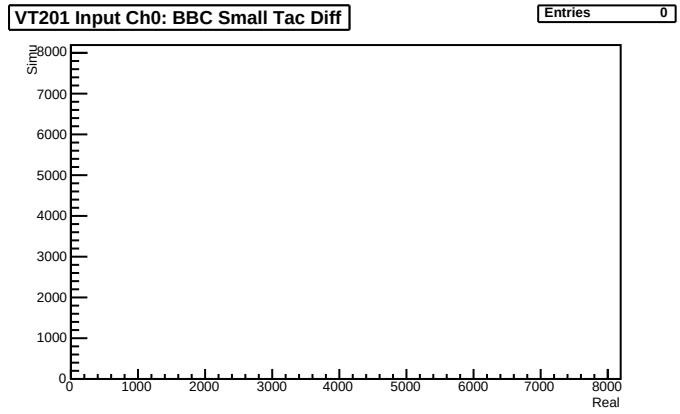

zdcWestTac
Entries 653841

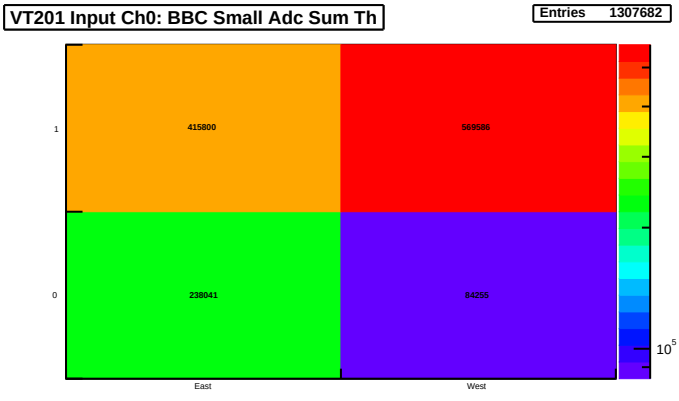

zdcWestTacVsSimu
Entries 3545
Data
Simu

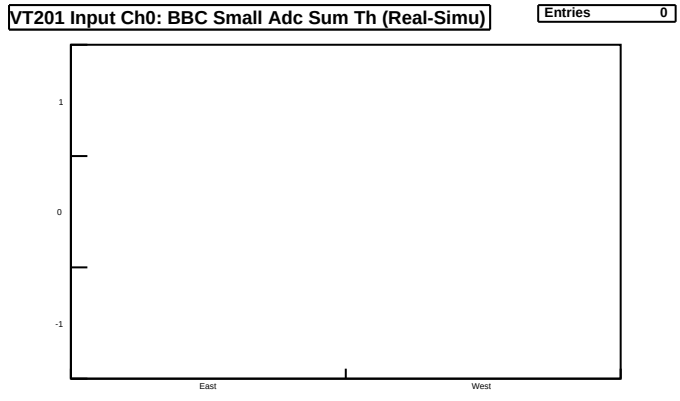

zdcAdcSum
Entries 7846092
48527
6396
27
23
14
9
116975
7506
83
66
47
43
605314
647445
653814
653818
653827
653832
536666
646335
653758
653775
653794
653798
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

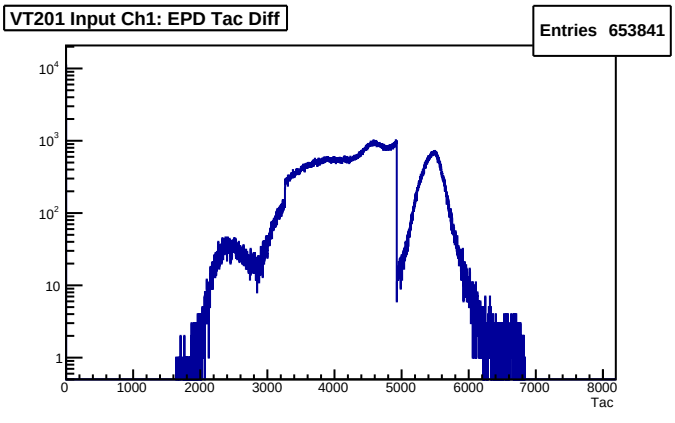

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

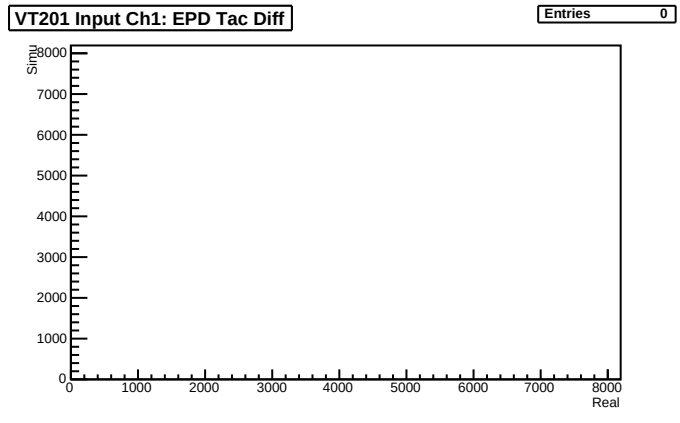

VT201 Input Ch0: BBC Small Tac Diff
Entries 653841
Tac

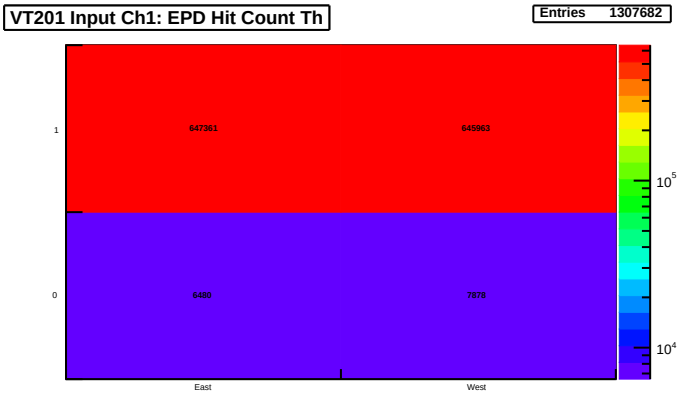

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

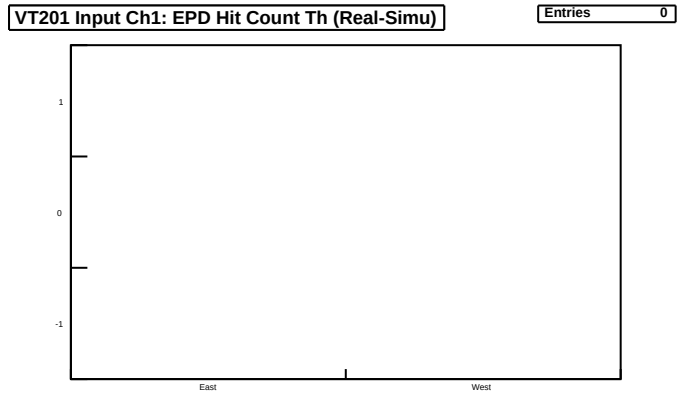

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1307682
415800
569586
238041
84255
East
West

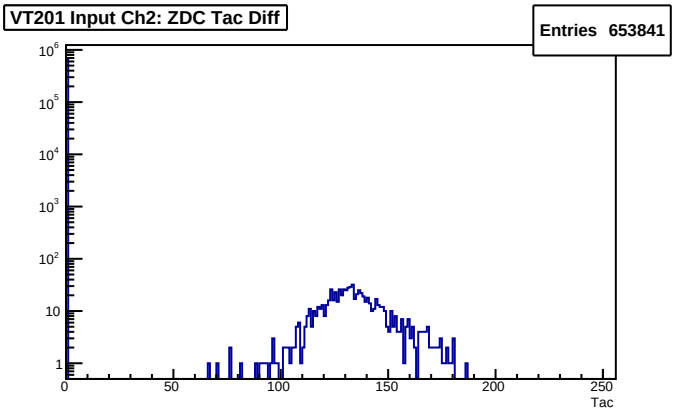

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

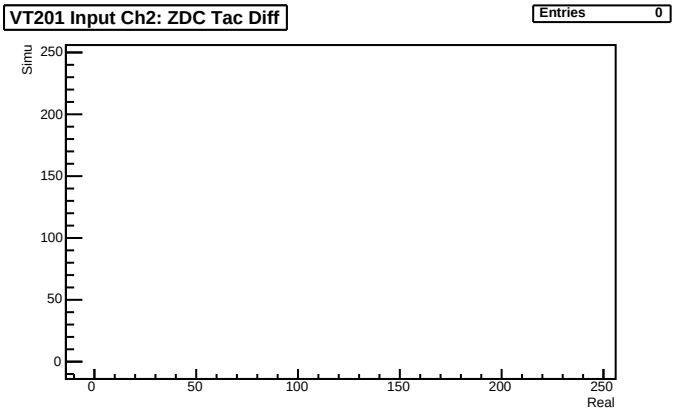

VT201 Input Ch1: EPD Tac Diff
Entries 653841
Tac

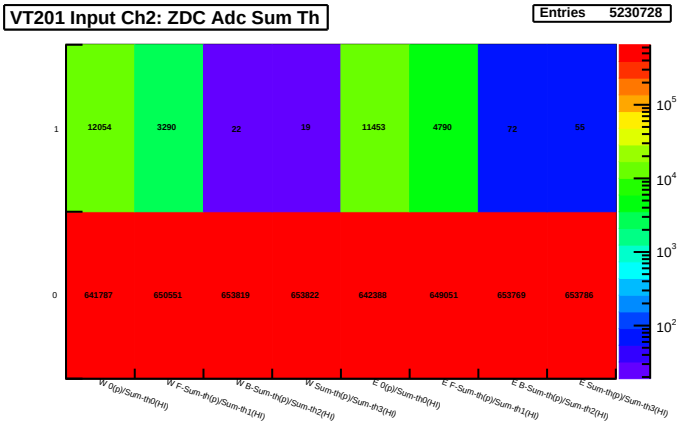

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

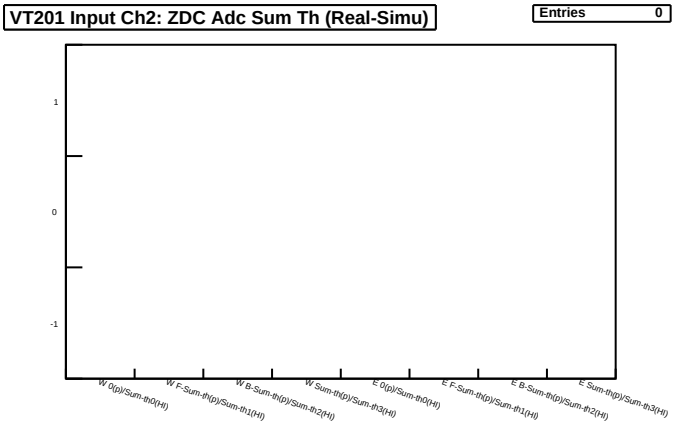

VT201 Input Ch1: EPD Hit Count Th
Entries 1307682
647361
645963
6480
7878
East
West

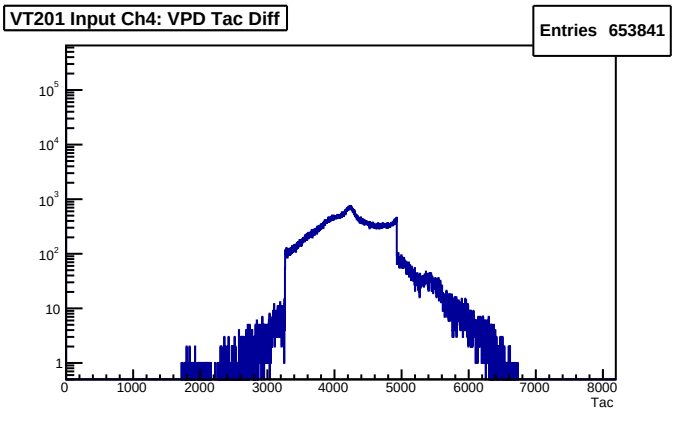

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

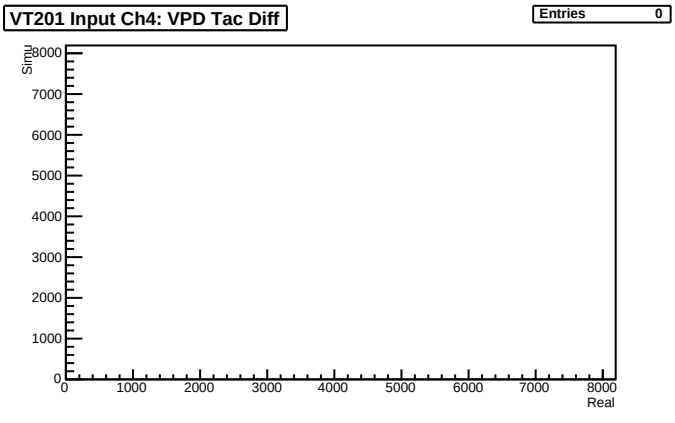

VT201 Input Ch2: ZDC Tac Diff
Entries 653841
Tac

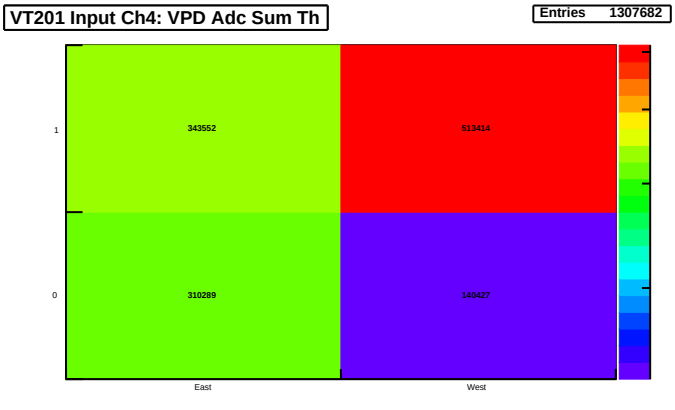

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

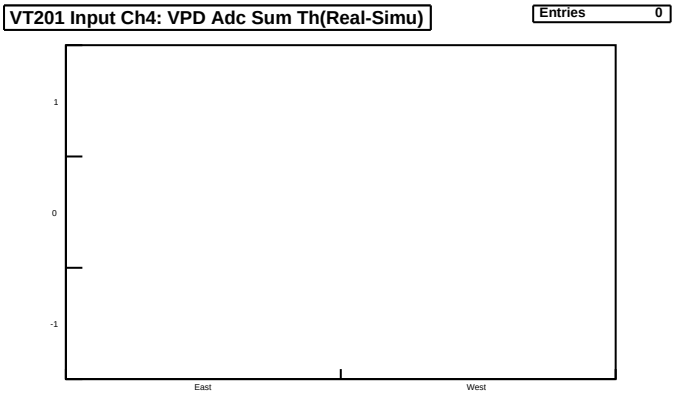

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5230728
12054
3290
22
19
11453
4790
72
55
641787
650551
653819
653822
642388
649051
653769
653786
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

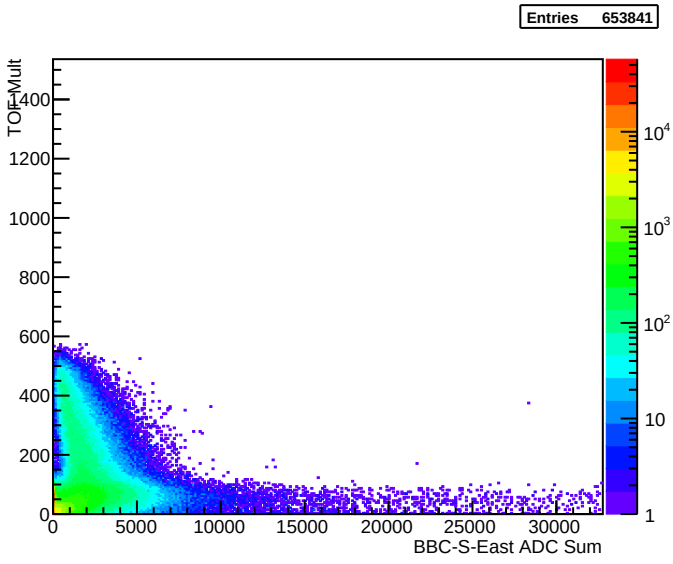

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

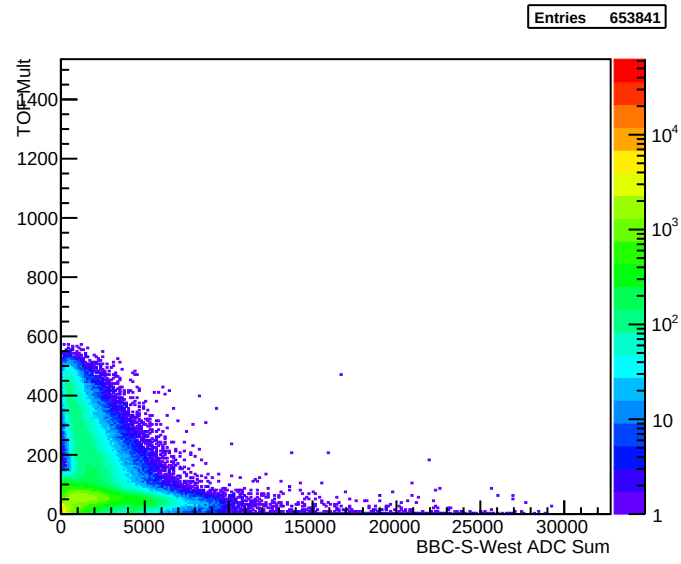

VT201 Input Ch4: VPD Tac Diff
Entries 653841
Tac

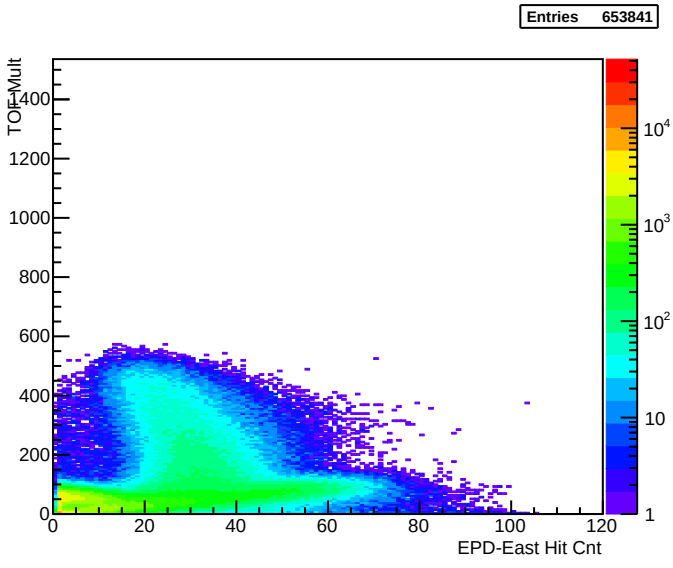

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

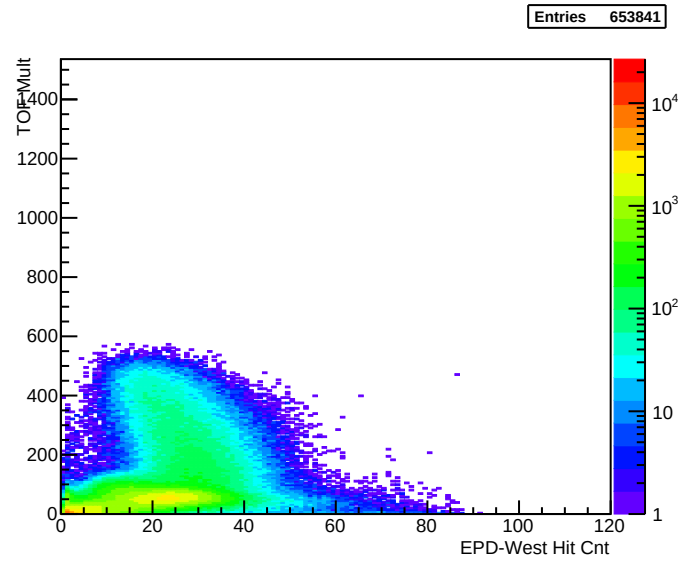

VT201 Input Ch4: VPD Adc Sum Th
Entries 1307682
343552
513414
310289
140427
East
West

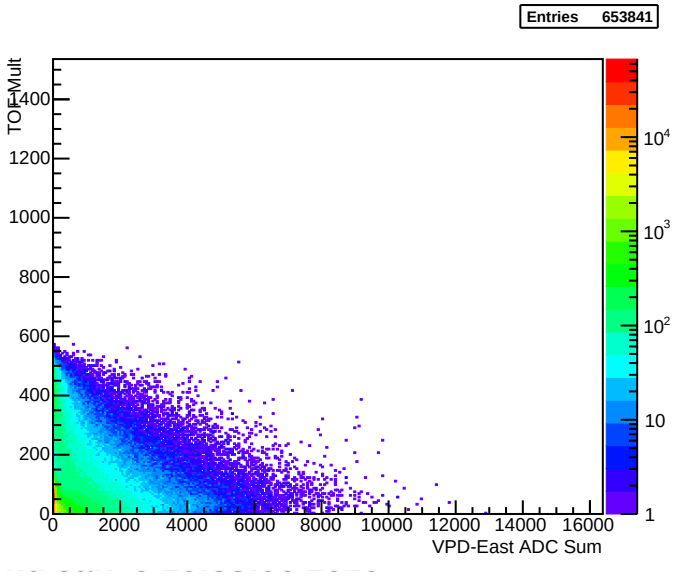

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

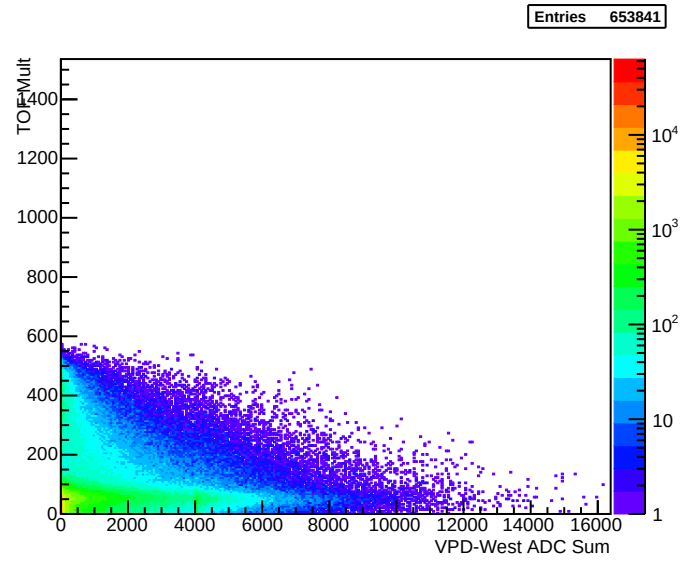

Entries 653841
TOF-Mult
BBC-S-East ADC Sum

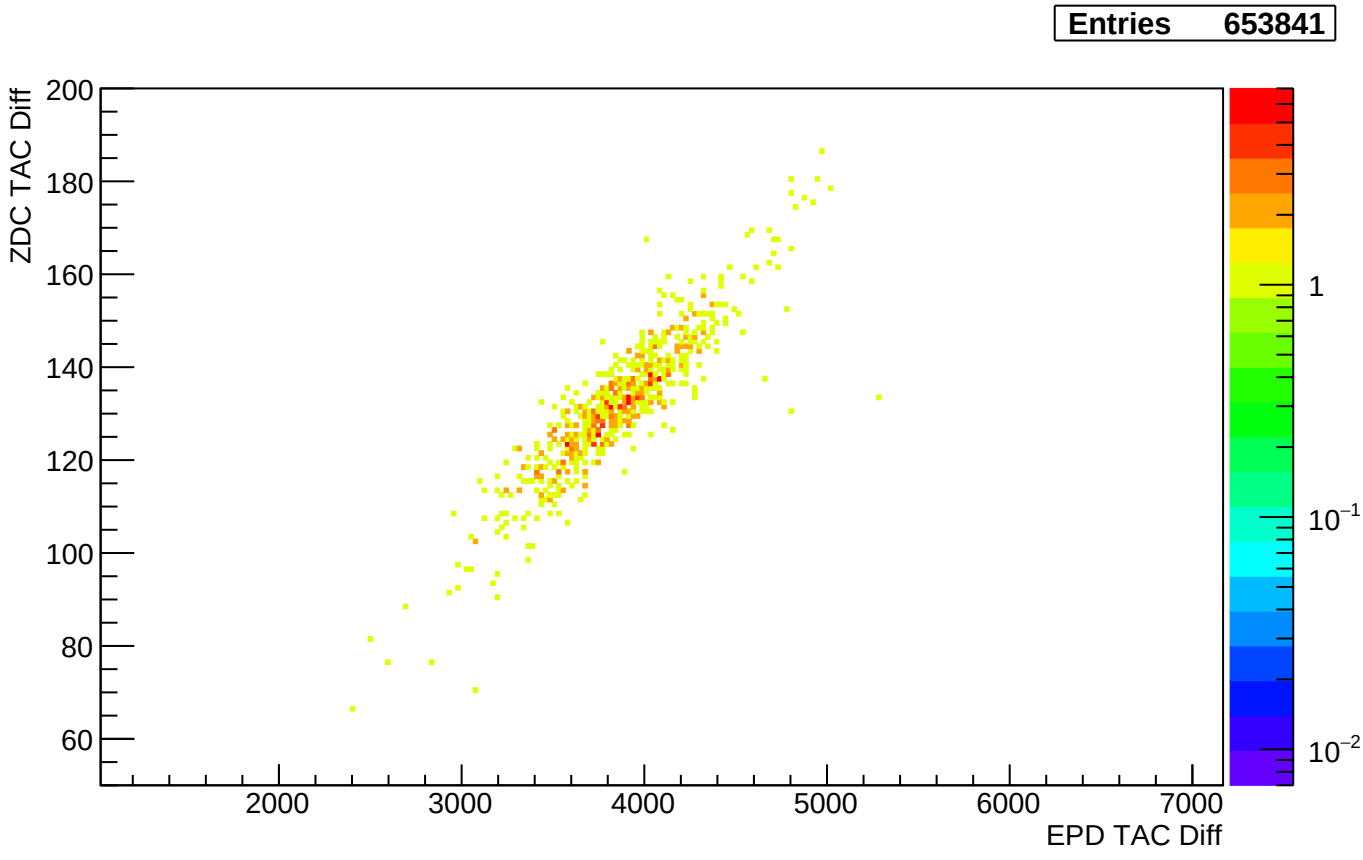

Entries 653841
TOF-Mult
BBC-S-West ADC Sum

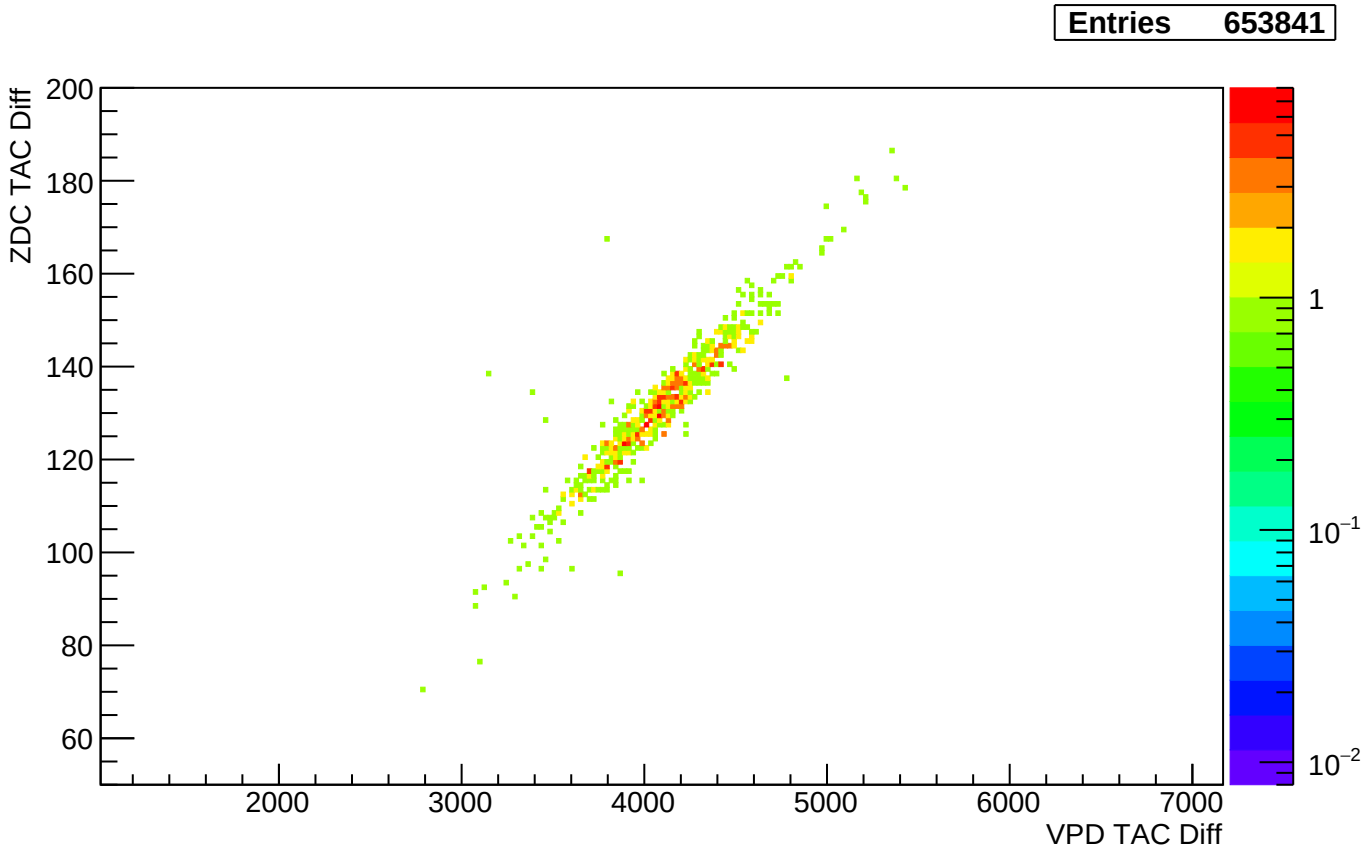

Entries 653841
TOF-Mult
EPD-East Hit Cnt

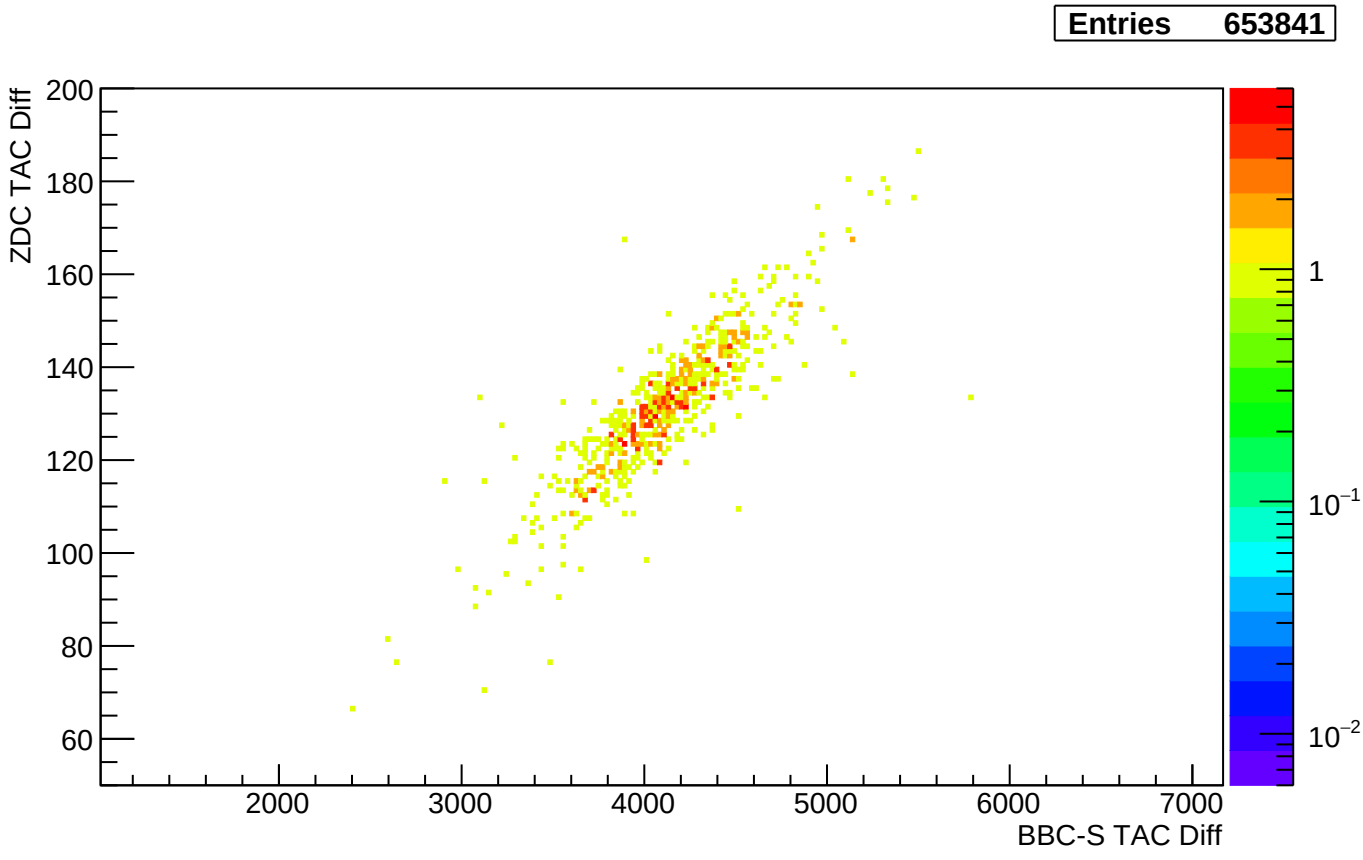

Entries 653841
TOF-Mult
EPD-West Hit Cnt

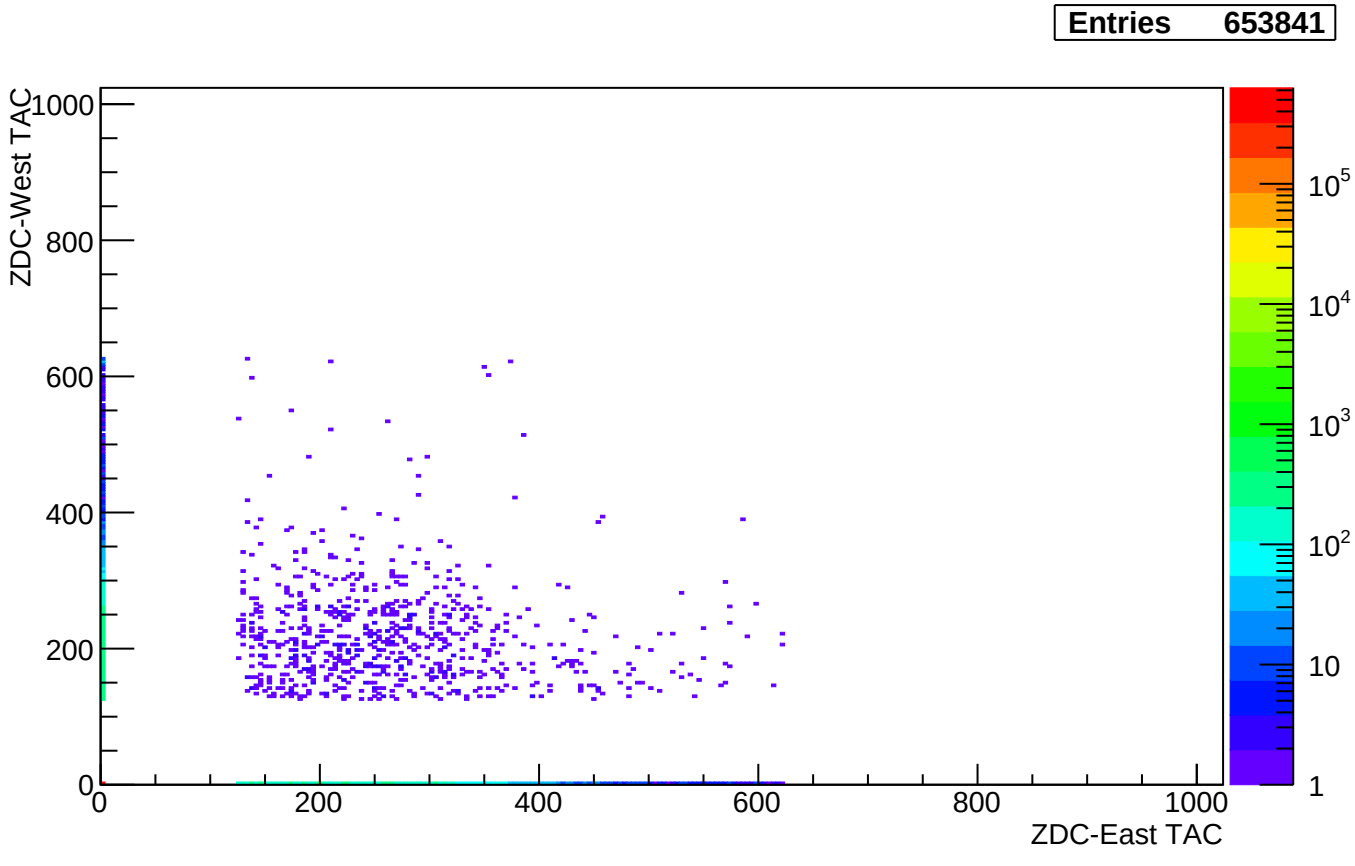

Entries 653841
TOF-Mult
VPD-East ADC Sum

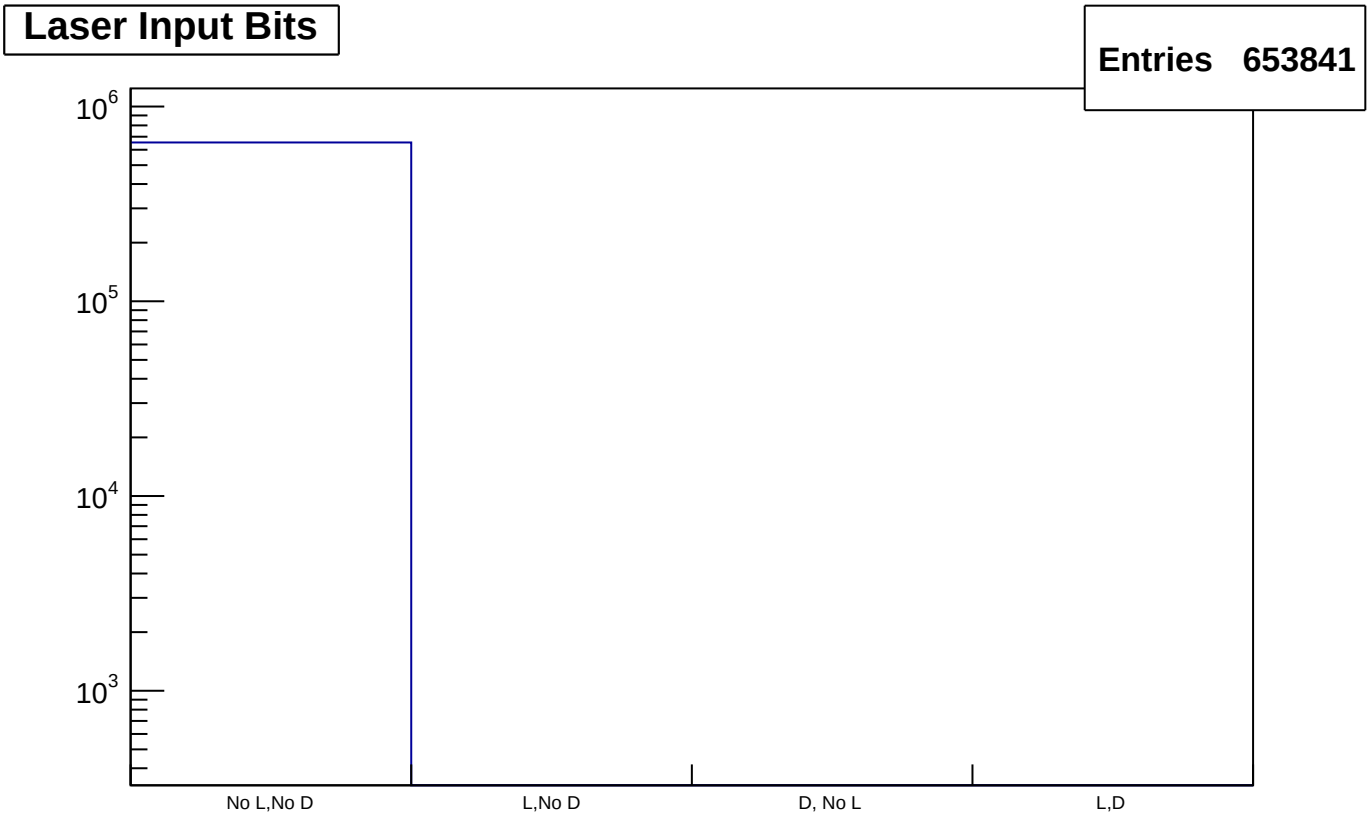

Entries 653841
TOF-Mult
VPD-West ADC Sum

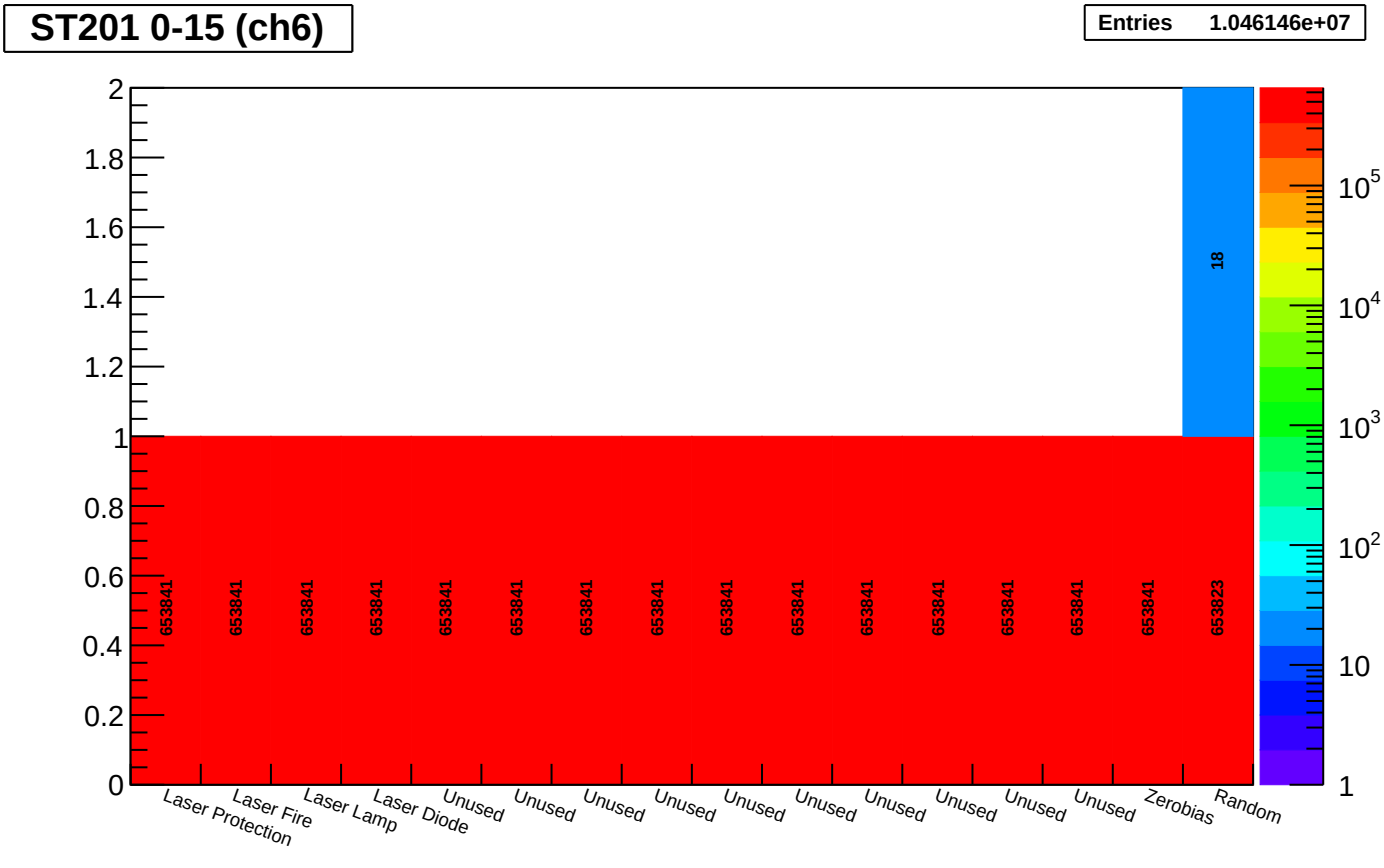

Entries 653841
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

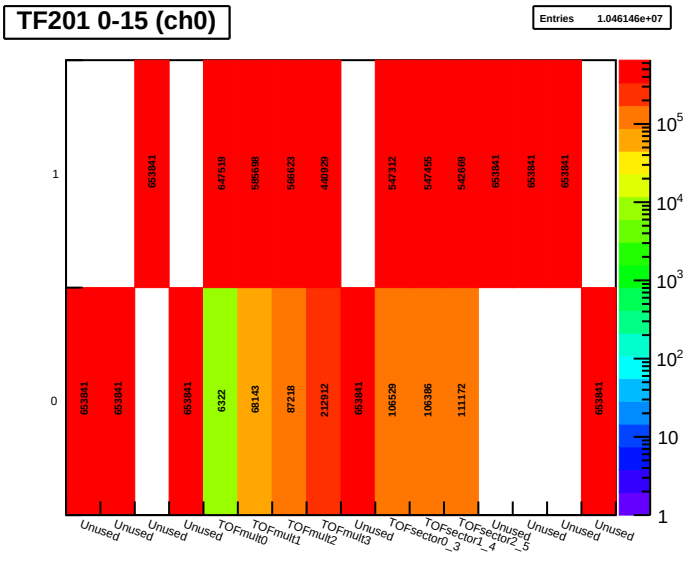

Entries 653841
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

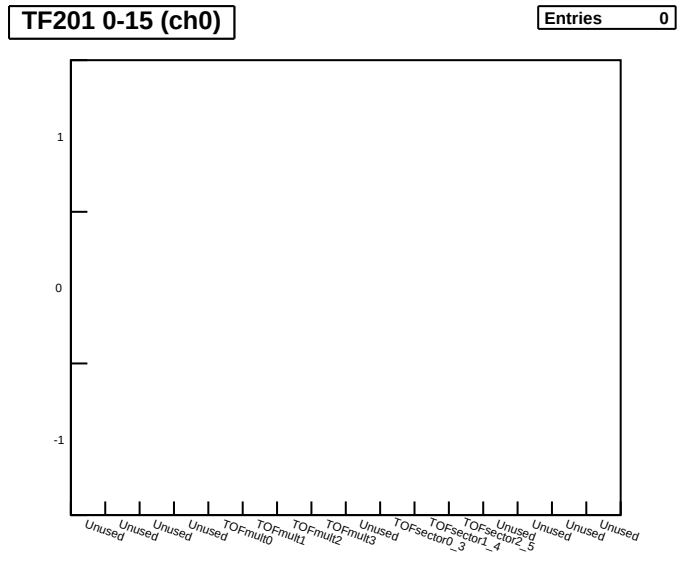

Entries 653841
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

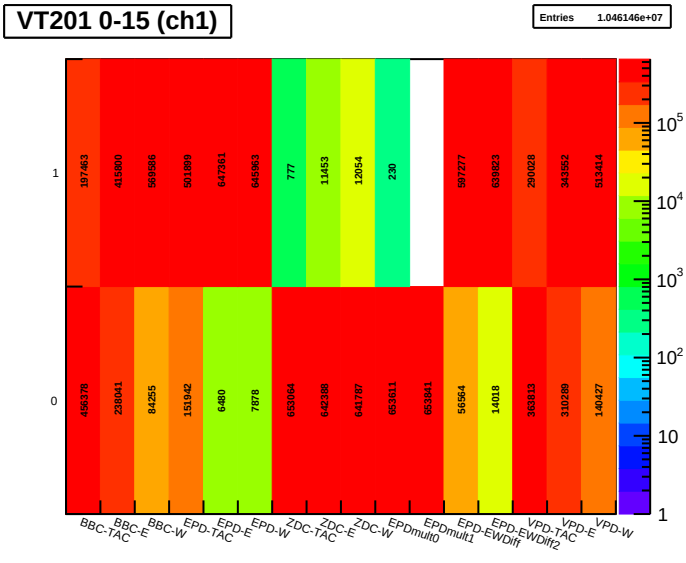

Entries 653841
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

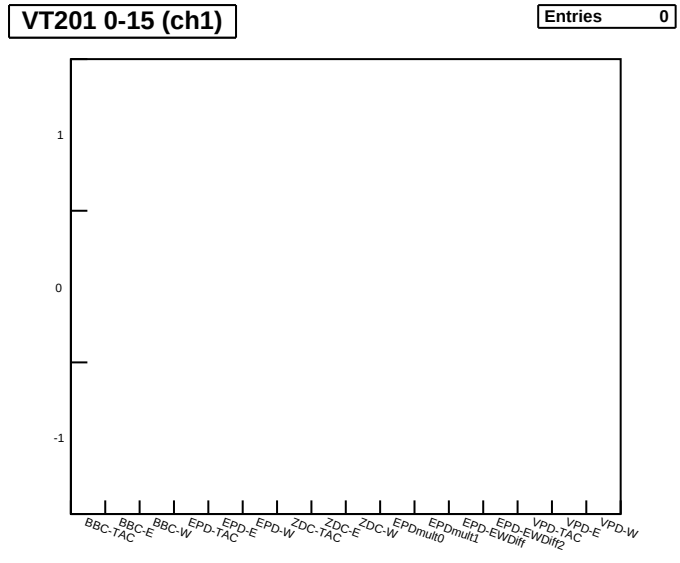

Laser Input Bits
Entries 653841
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

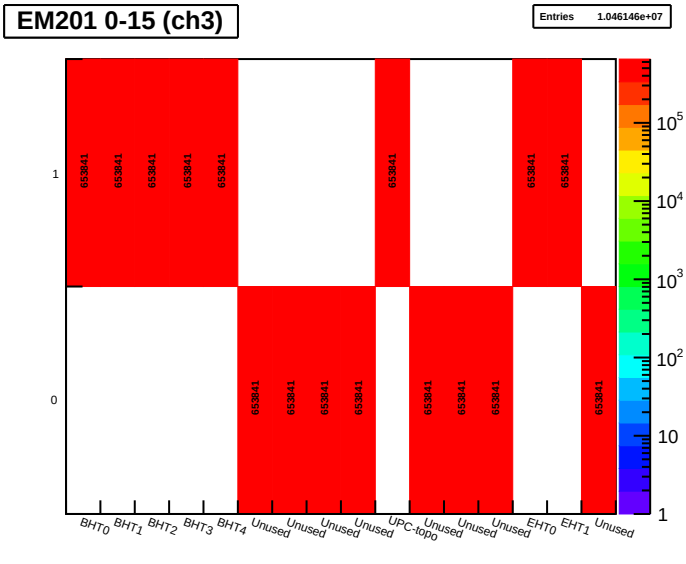

ST201 0-15 (ch6)
Entries 1.046146e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
653841
653841
653841
653841
653841
653841
653841
653841
653841
653841
653841
653841
653841
653841
653823
18
10^5
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random

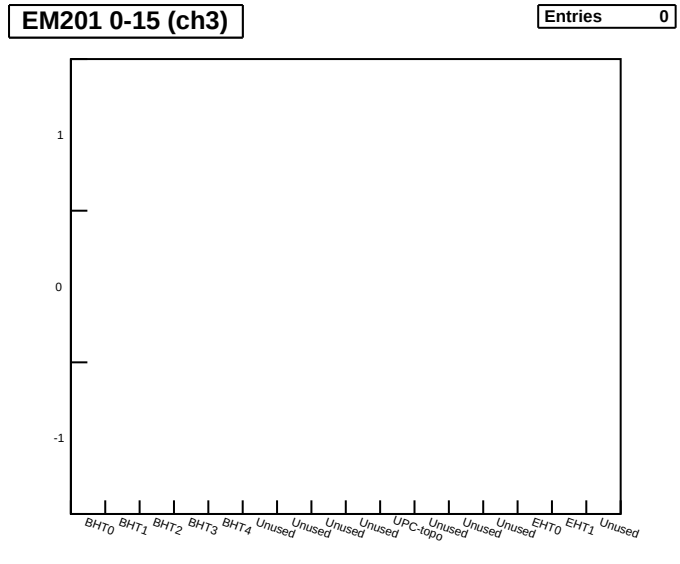

TF201 0-15 (ch0)
Entries 1.046146e+07
1
0
653841
647519
585698
566623
440929
547312
547455
542669
653841
653841
653841
653841
653841
653841
653841
6322
68143
87218
212912
653841
106529
106386
111172
653841
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
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 1.046146e+07
1
0
197463
415800
569586
501899
647361
645963
777
11453
12054
230
597277
639823
290028
343552
513414
456378
238041
84255
151942
6480
7878
653064
642388
641787
653611
653841
56564
14018
363813
310289
140427
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 1.046146e+07
1
0
653841
653841
653841
653841
653841
653841
653841
653841
653841
653841
653841
653841
653841
653841
653841
653841
653841
653841
653841
653841
653841
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