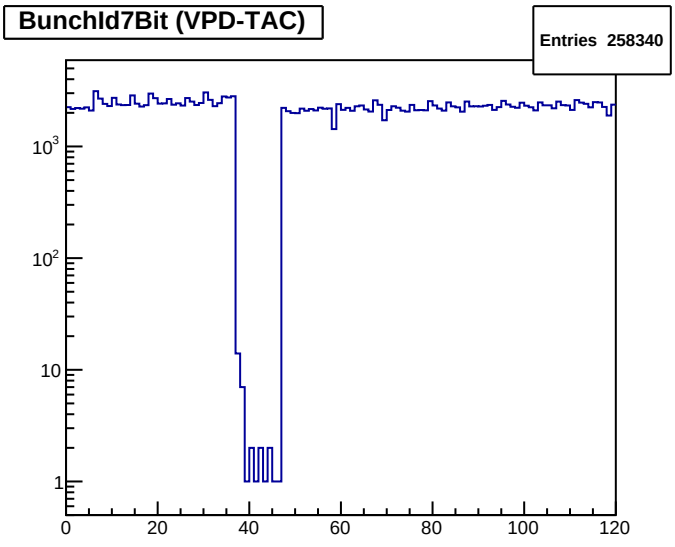
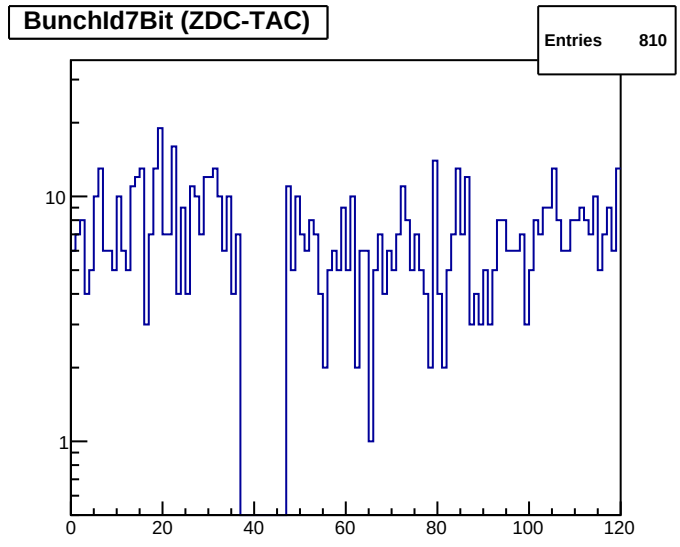
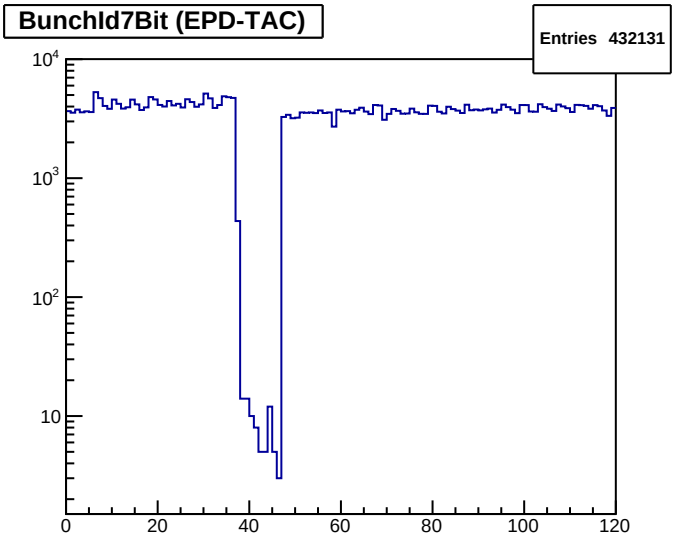
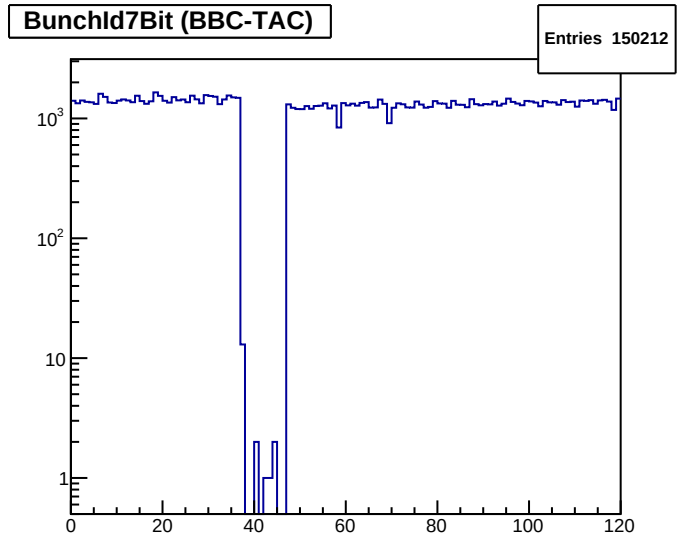
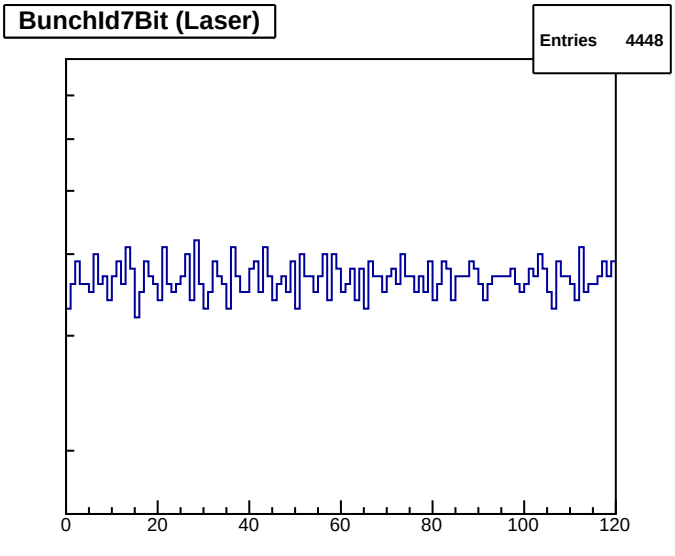
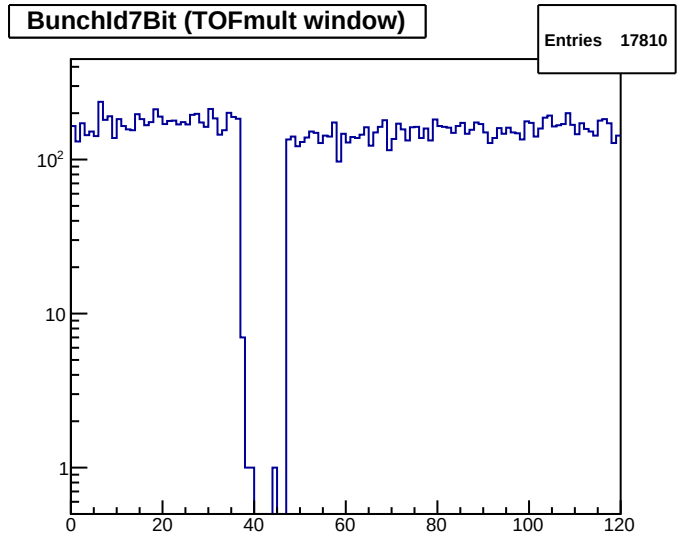

BunchId7Bit (VPD-TAC)
Entries 258340
10^3
10^2
10
1
0
20
40
60
80
100
120

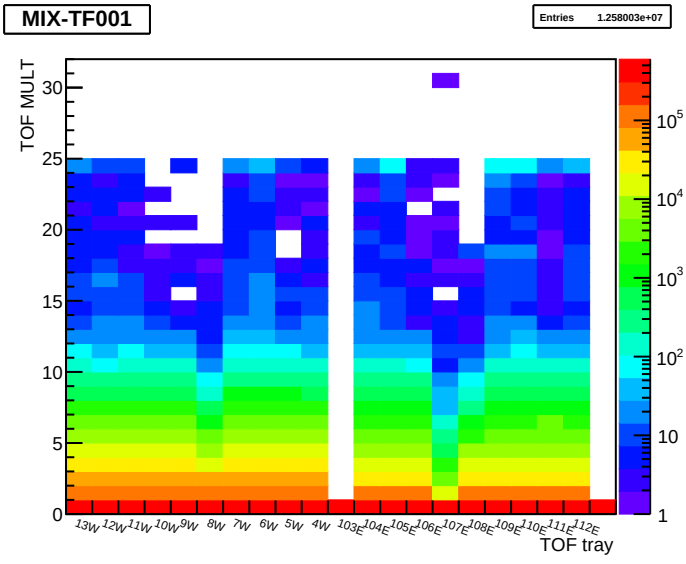

BunchId7Bit (ZDC-TAC)
Entries 810
10
1
0
20
40
60
80
100
120

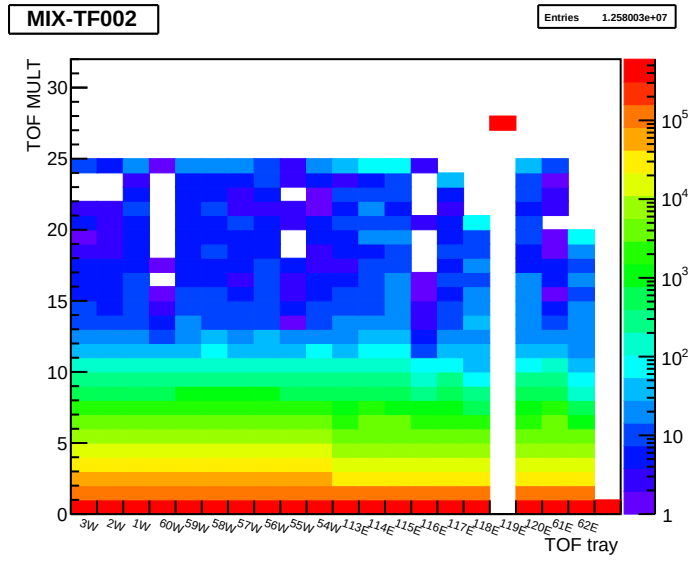

BunchId7Bit (EPD-TAC)
Entries 432131
10^4
10^3
10^2
10
0
20
40
60
80
100
120

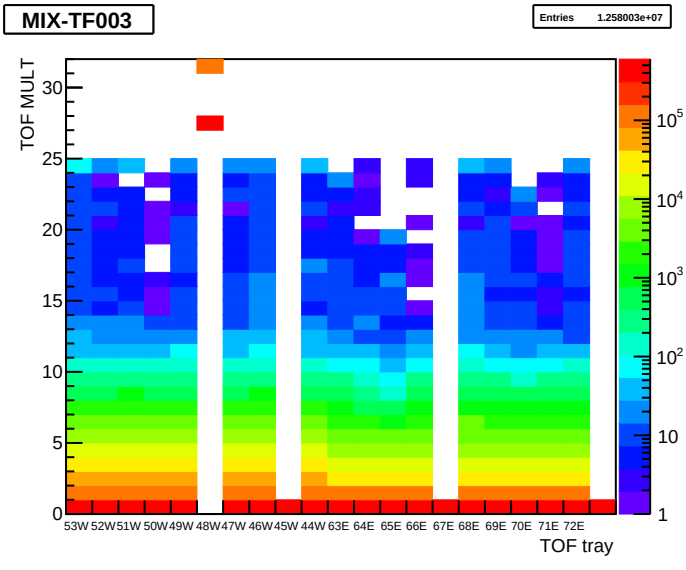

BunchId7Bit (BBC-TAC)
Entries 150212
10^3
10^2
10
1
0
20
40
60
80
100
120

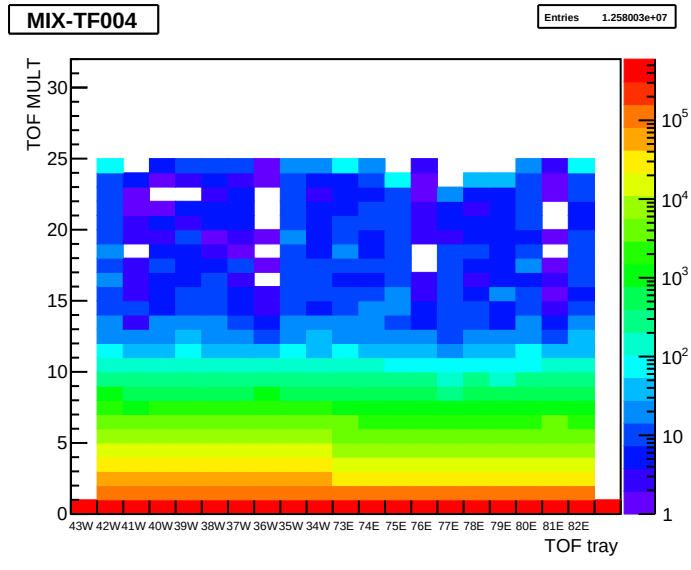

BunchId7Bit (Laser)
Entries 4448
0
20
40
60
80
100
120

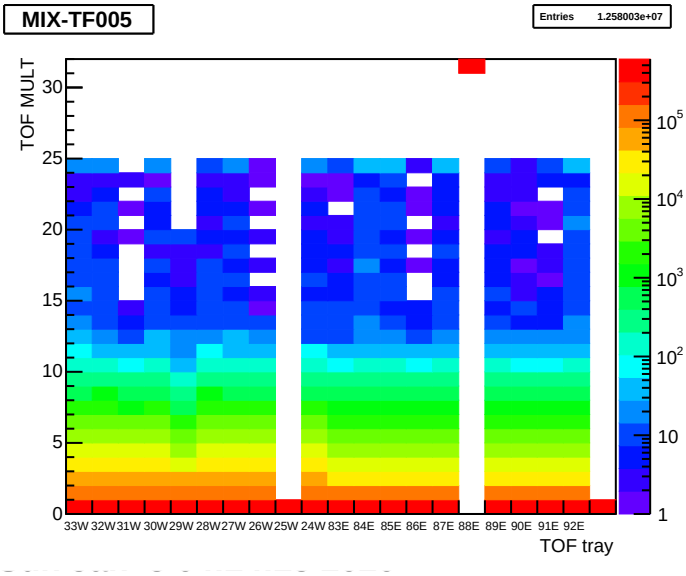

BunchId7Bit (TOFmult window)
Entries 17810
10^2
10
1
0
20
40
60
80
100
120

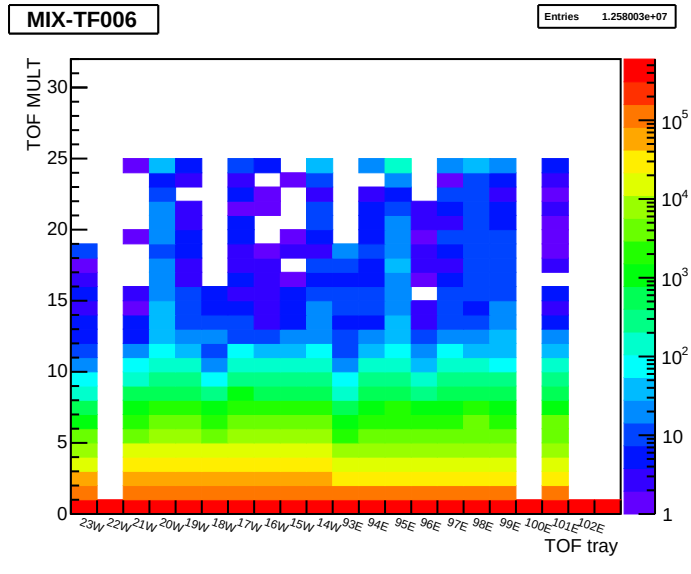

MIX-TF001
Entries 1.258003e+07
TOF MULT
TOF tray

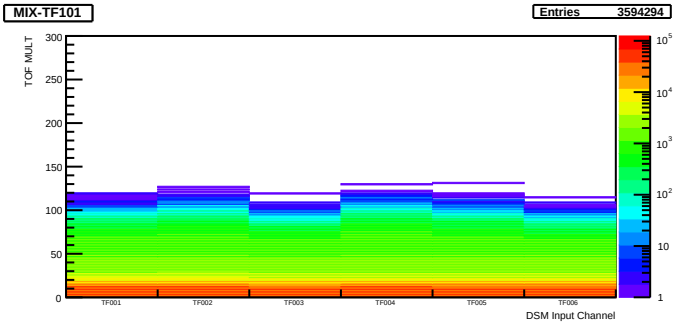

MIX-TF002
Entries 1.258003e+07
TOF MULT
TOF tray

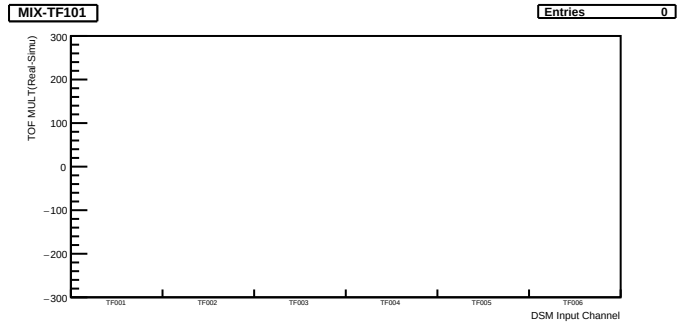

MIX-TF003
Entries 1.258003e+07
TOF MULT
TOF tray

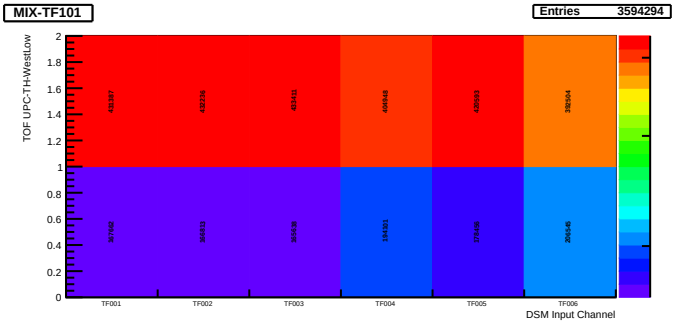

MIX-TF004
Entries 1.258003e+07
TOF MULT
TOF tray

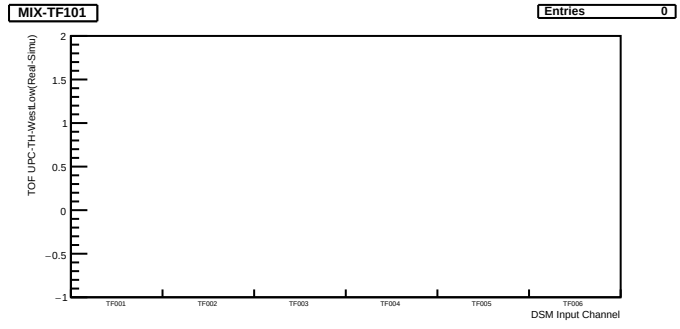

MIX-TF005
Entries 1.258003e+07
TOF MULT
TOF tray

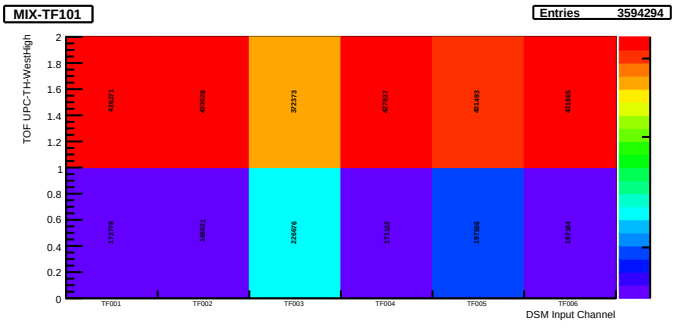

MIX-TF006
Entries 1.258003e+07
TOF MULT
TOF tray

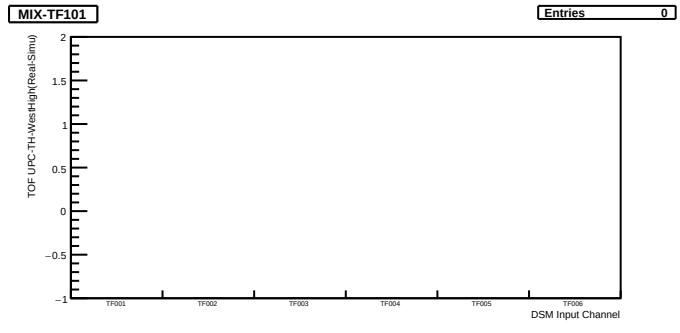

MIX-TF101
Entries 3594294
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

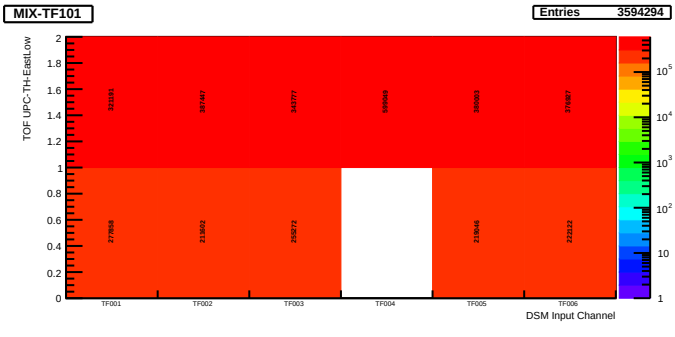

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

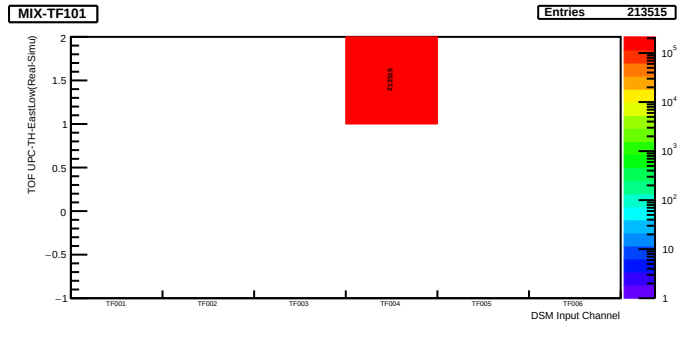

MIX-TF101
Entries 3594294
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

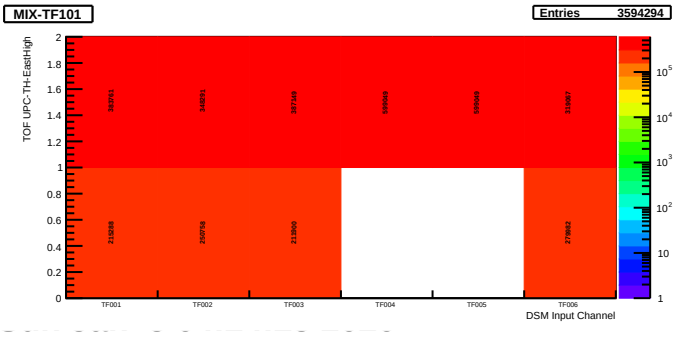

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

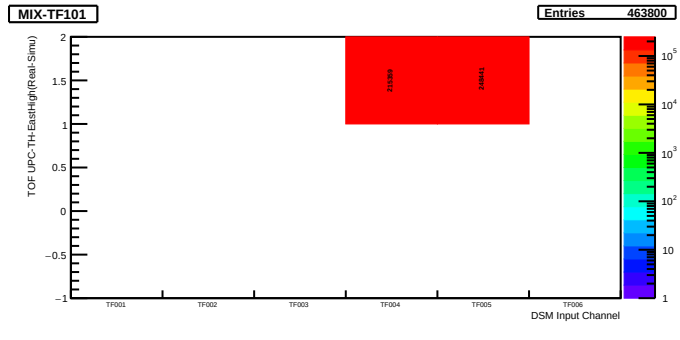

MIX-TF101
Entries 3594294
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

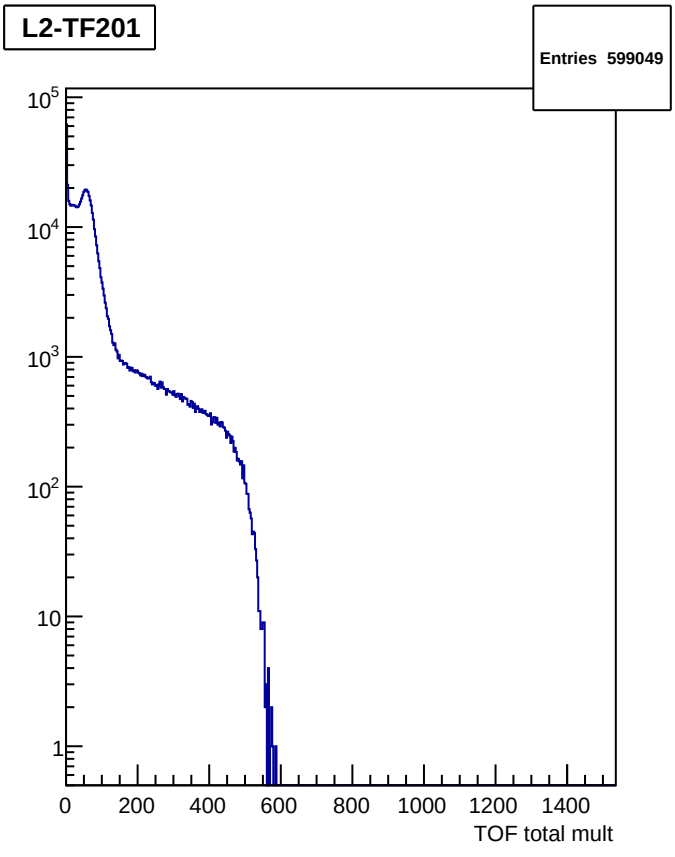

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

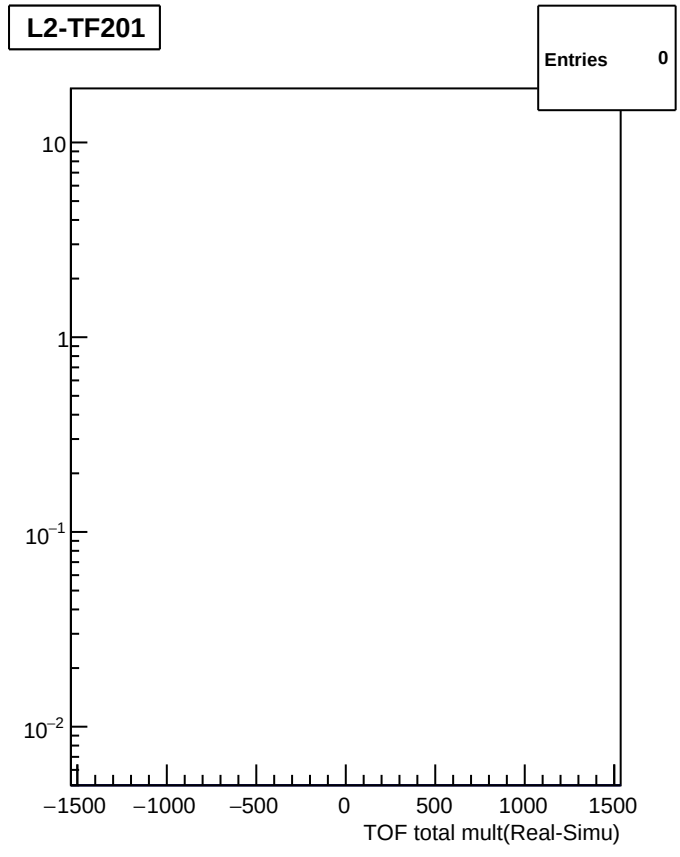

MIX-TF101
Entries 3594294
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

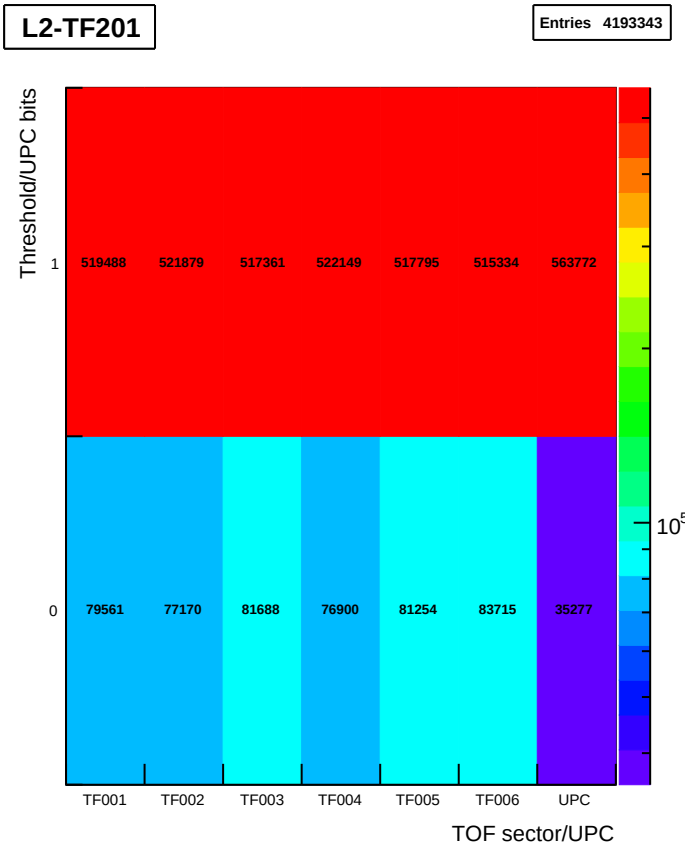

MIX-TF101
Entries 213515
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

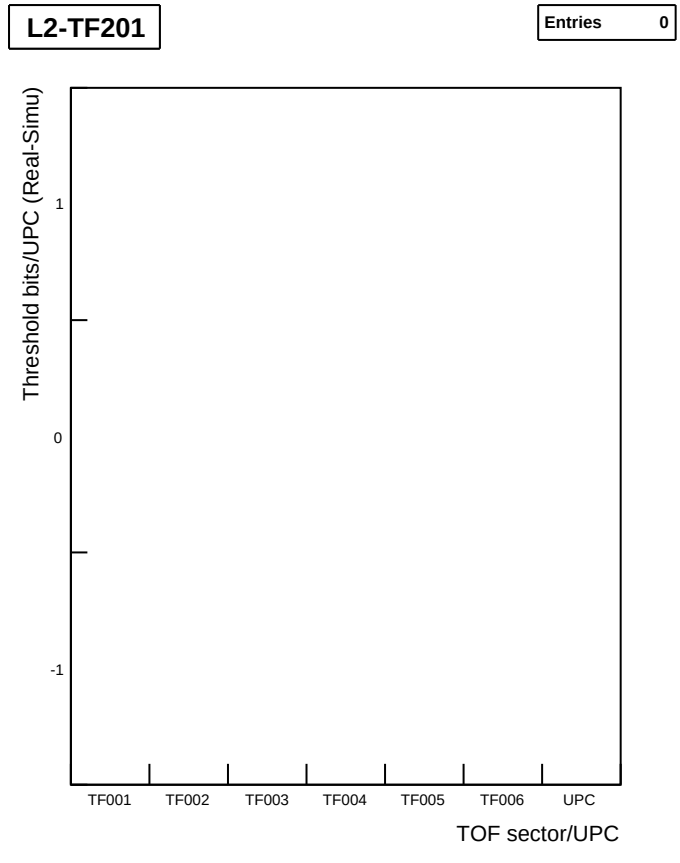

MIX-TF101
Entries 3594294
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

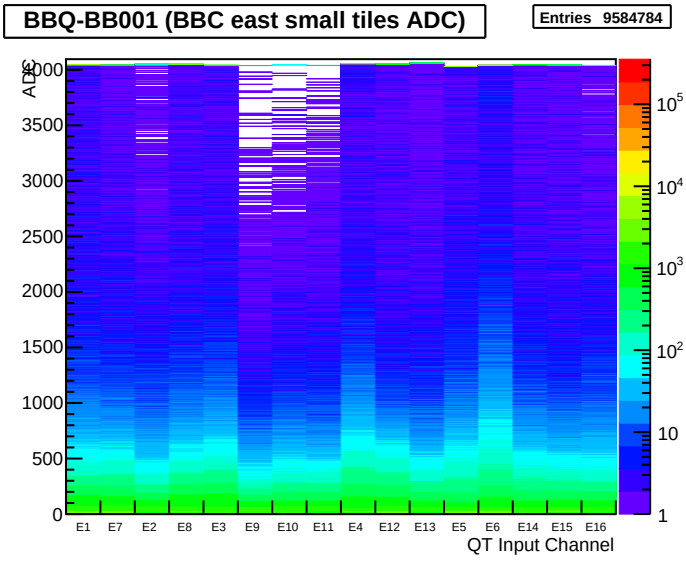

MIX-TF101
Entries 463800
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

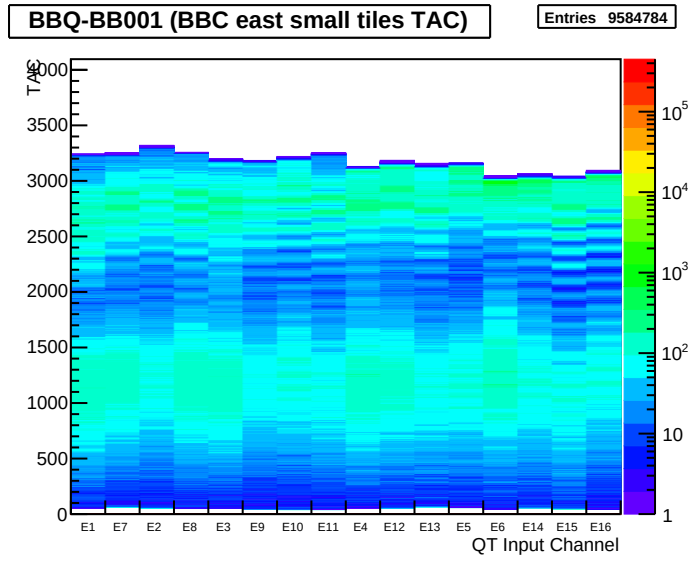

L2-TF201
Entries 599049
TOF total mult

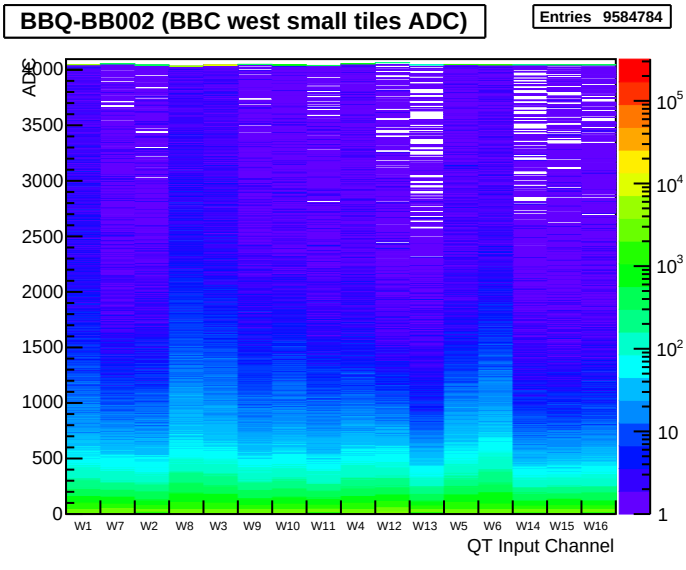

L2-TF201
Entries 0
TOF total mult(Real-Simu)

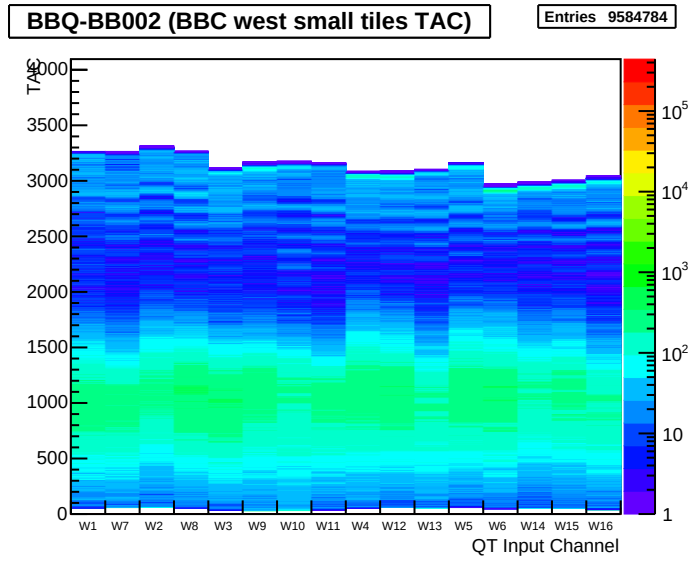

L2-TF201
Entries 4193343
Threshold/UPC bits
519488 521879 517361 522149 517795 515334 563772
79561 77170 81688 76900 81254 83715 35277
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

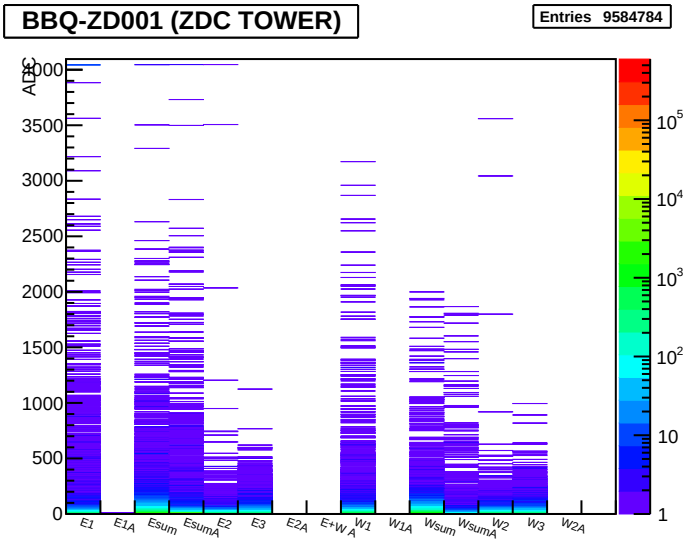

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

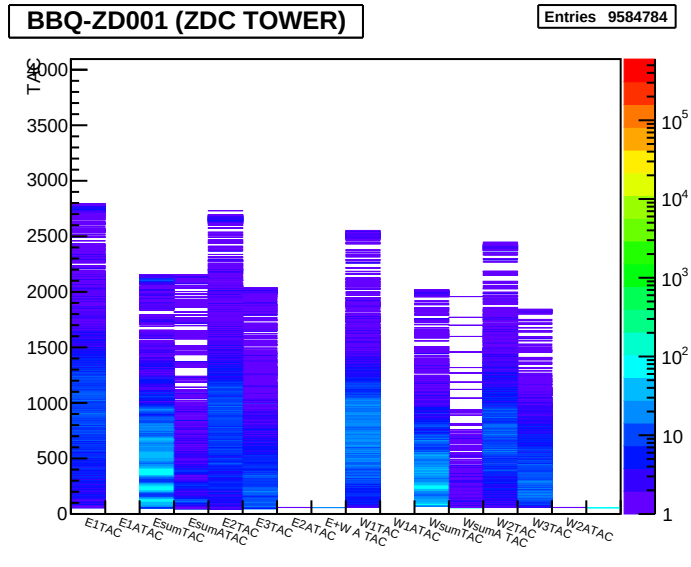

BBQ-BB001 (BBC east small tiles ADC)
Entries 9584784
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

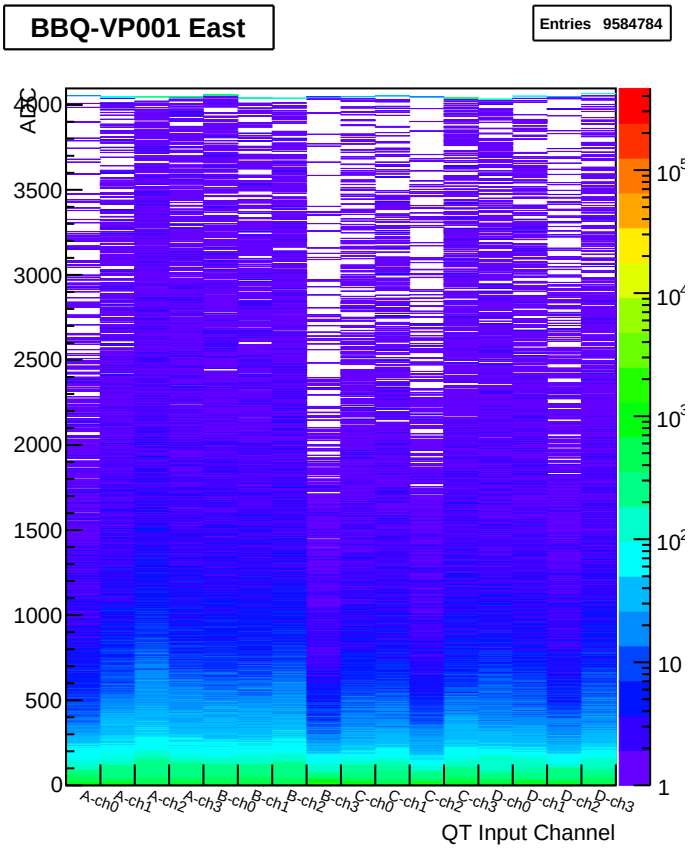

BBQ-BB001 (BBC east small tiles TAC)
Entries 9584784
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

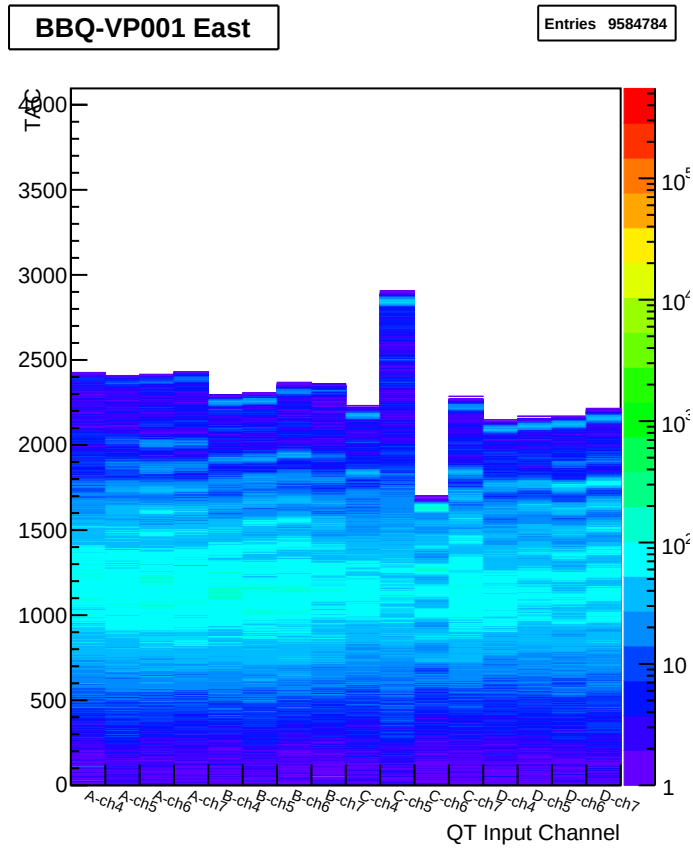

BBQ-BB002 (BBC west small tiles ADC)
Entries 9584784
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

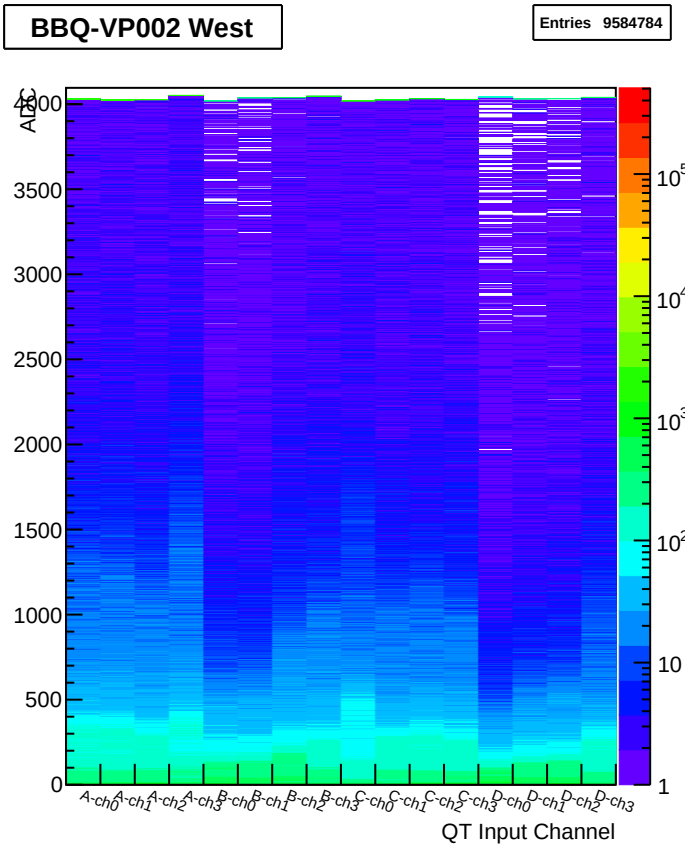

BBQ-BB002 (BBC west small tiles TAC)
Entries 9584784
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

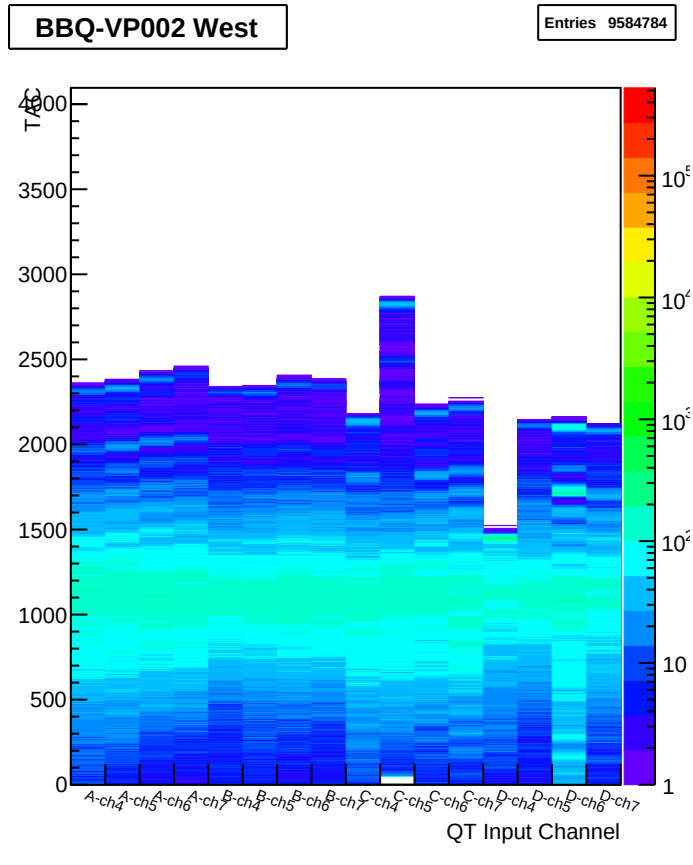

BBQ-ZD001 (ZDC TOWER)
Entries 9584784
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

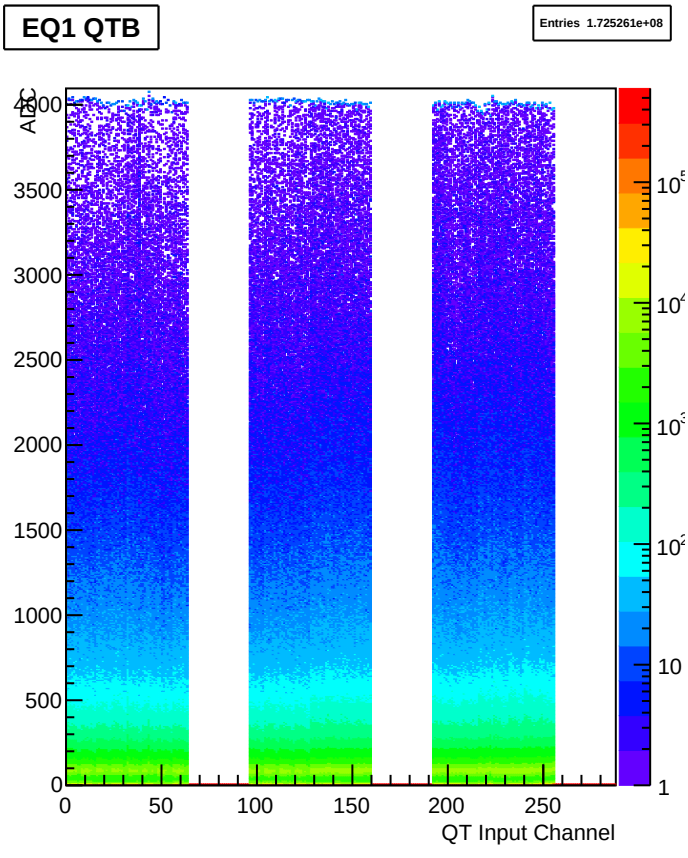

BBQ-ZD001 (ZDC TOWER)
Entries 9584784
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

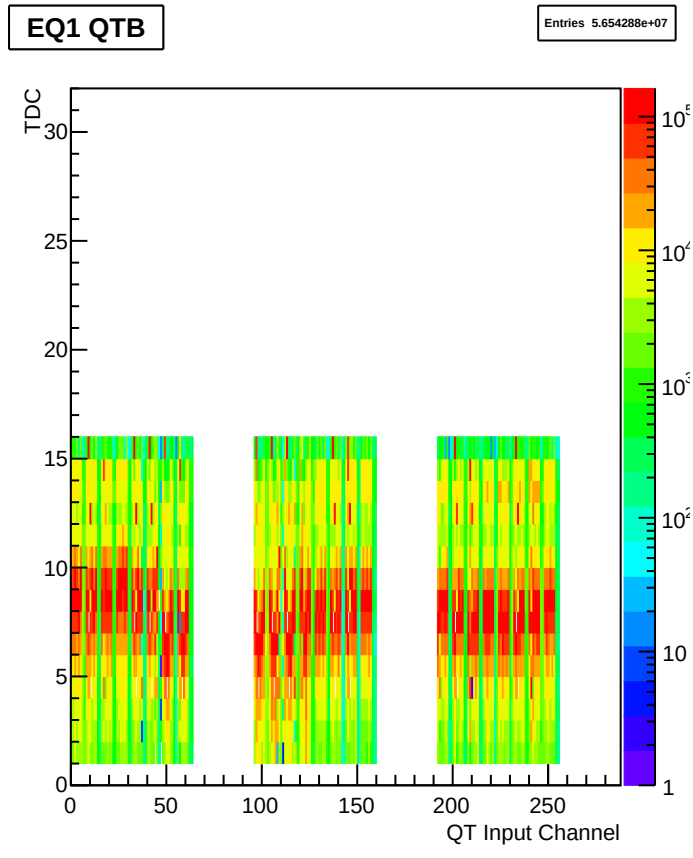

BBQ-VP001 East
Entries 9584784
ADC
QT Input Channel

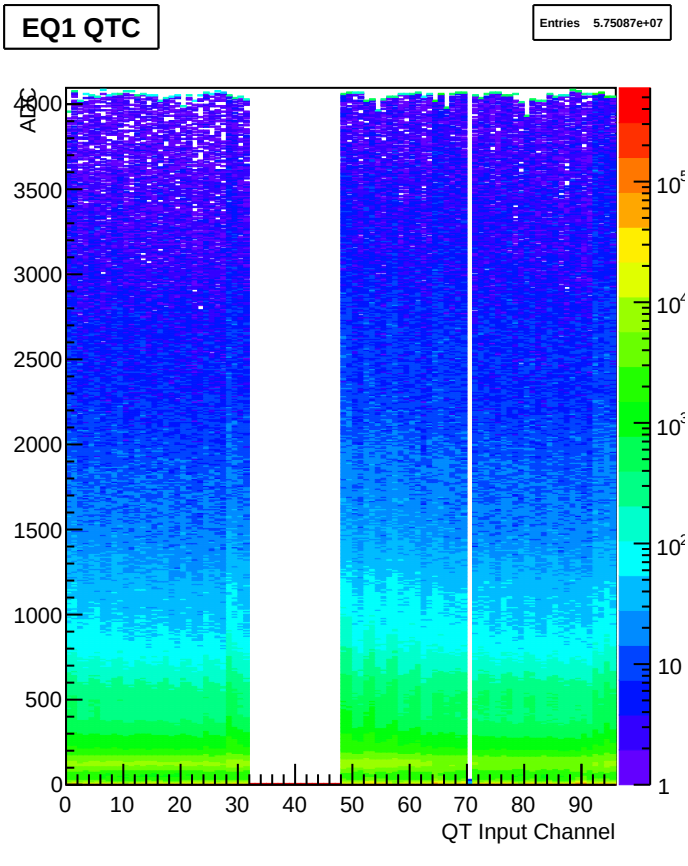

BBQ-VP001 East
Entries 9584784
TADC
QT Input Channel

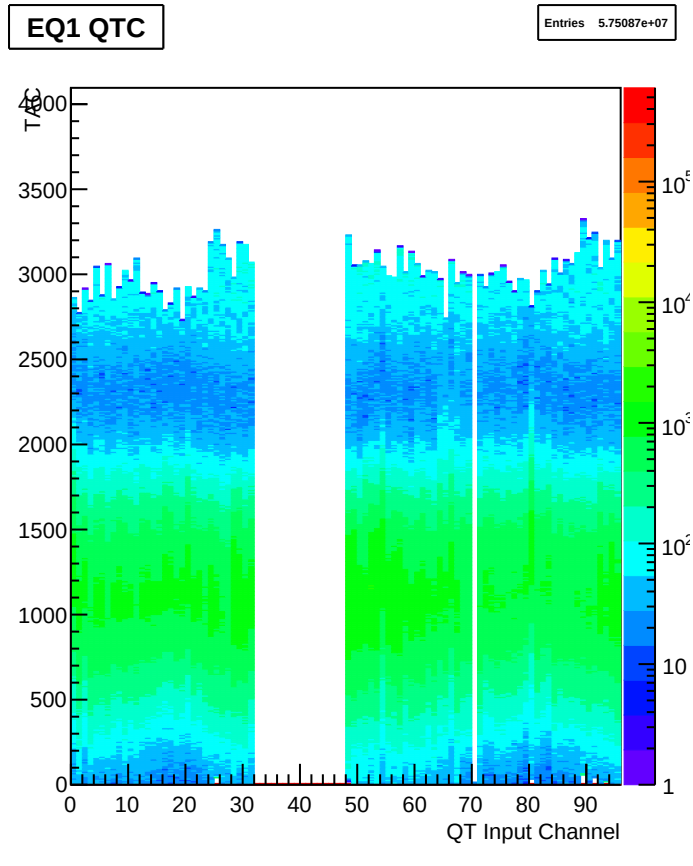

BBQ-VP002 West
Entries 9584784
ADC
QT Input Channel

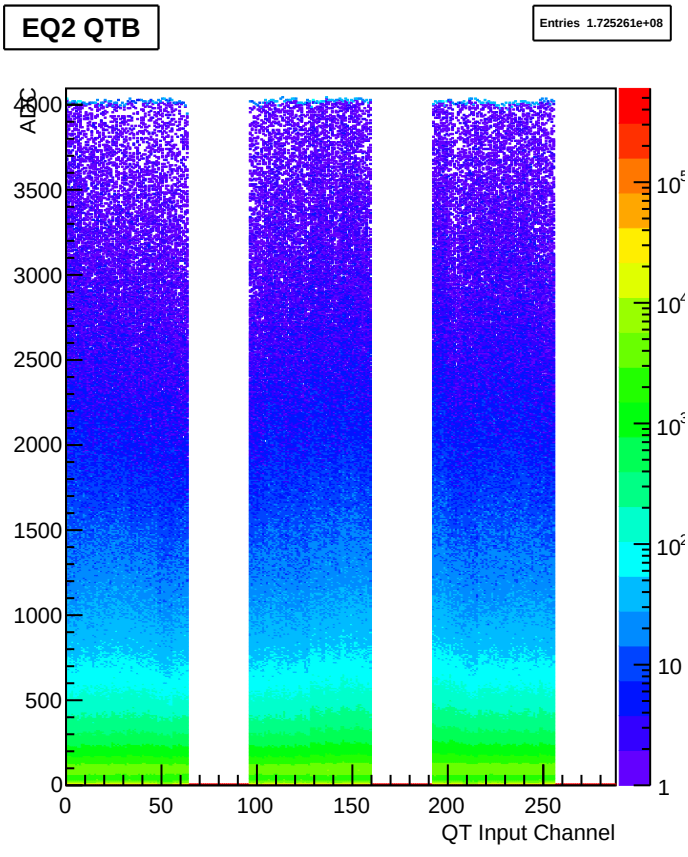

BBQ-VP002 West
Entries 9584784
TADC
QT Input Channel

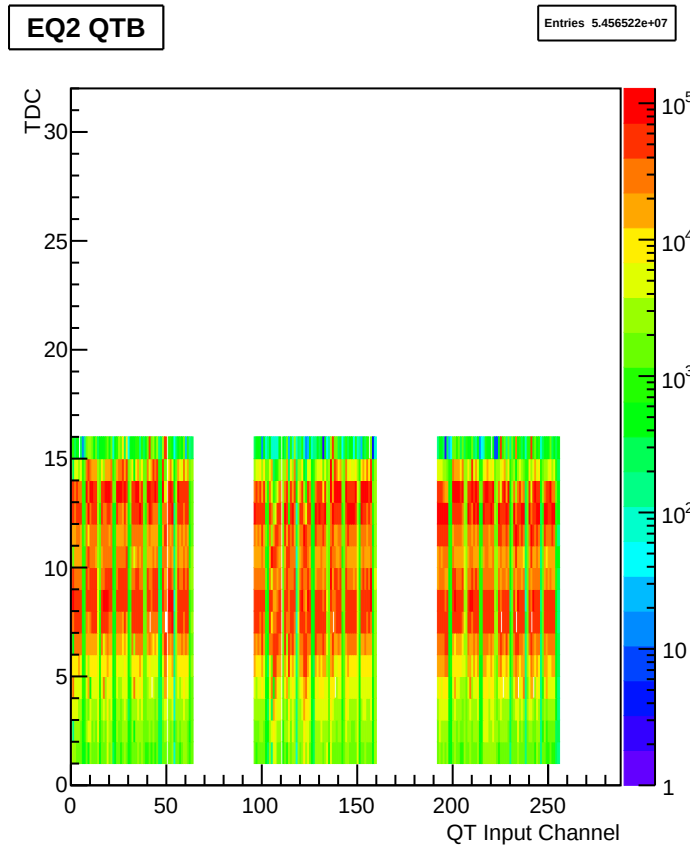

EQ1 QTB
Entries 1.725261e+08
ADC
QT Input Channel

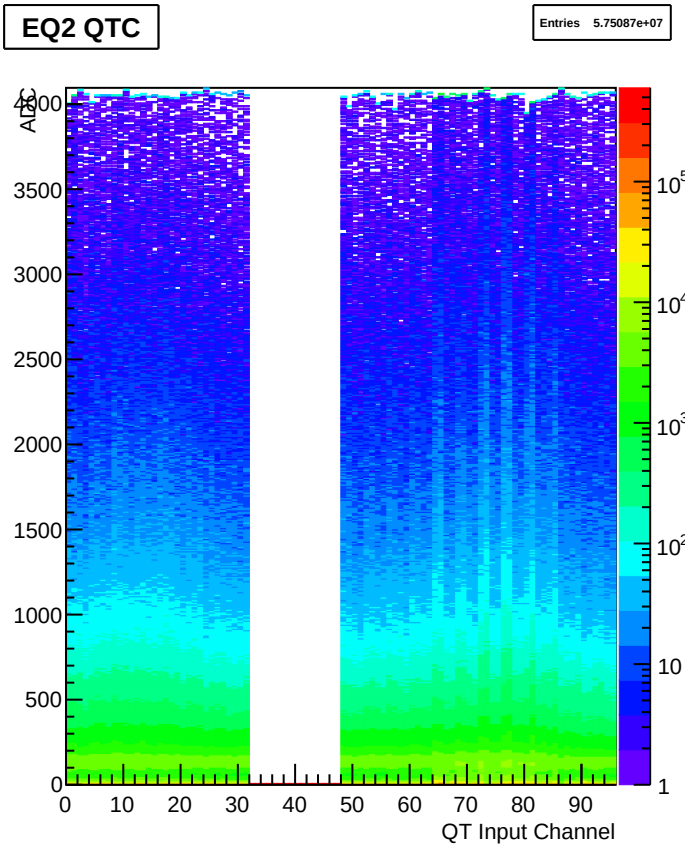

EQ1 QTB
Entries 5.654288e+07
TDC
QT Input Channel

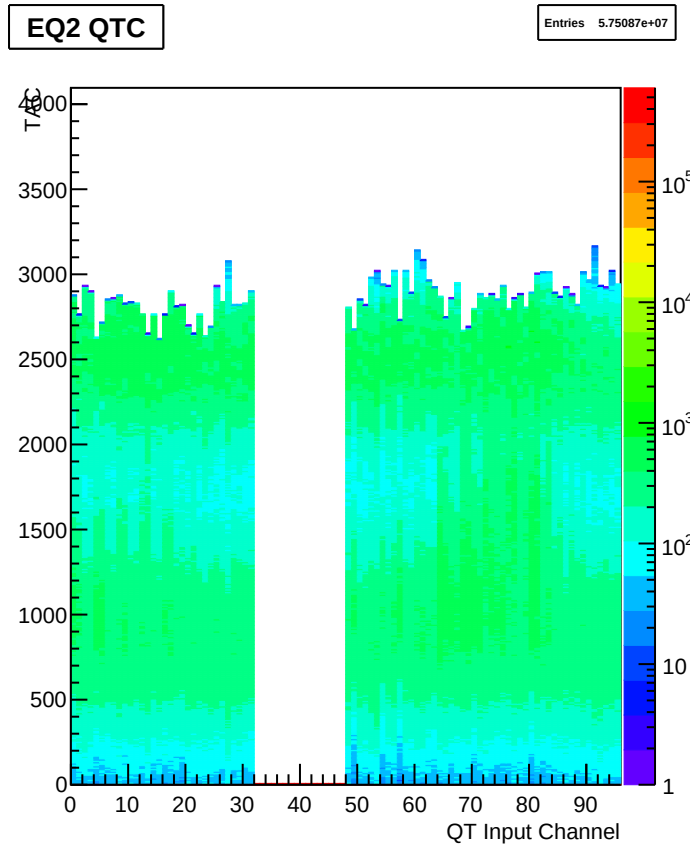

EQ1 QTC
Entries 5.75087e+07
ADC
QT Input Channel

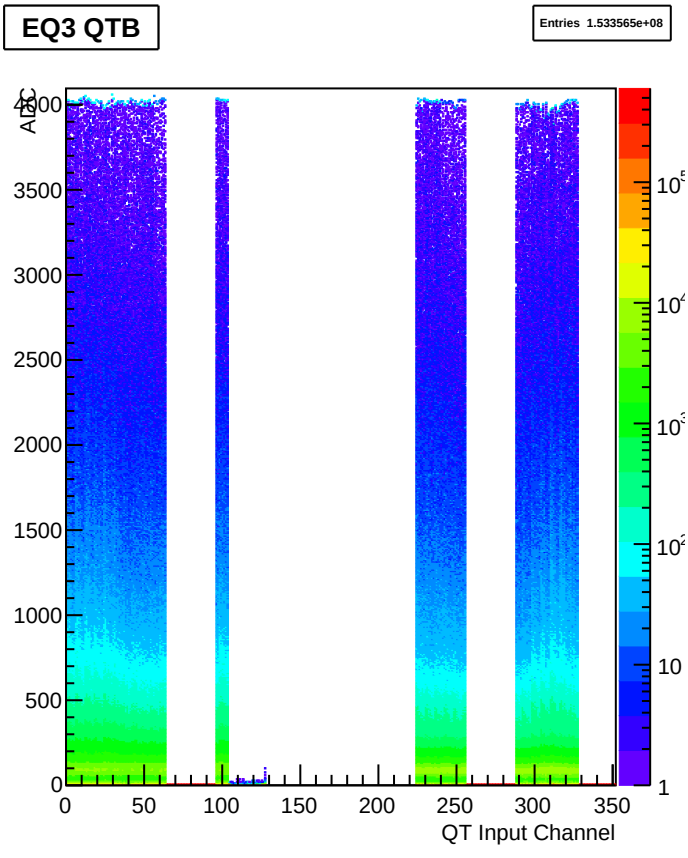

EQ1 QTC
Entries 5.75087e+07
TADC
QT Input Channel

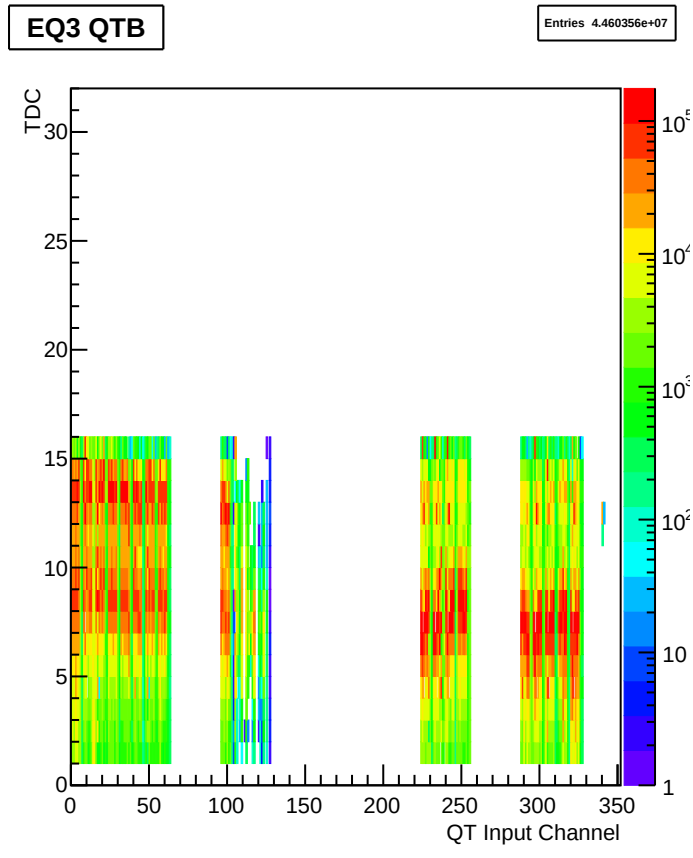

EQ2 QTB
Entries 1.725261e+08
ADC
QT Input Channel

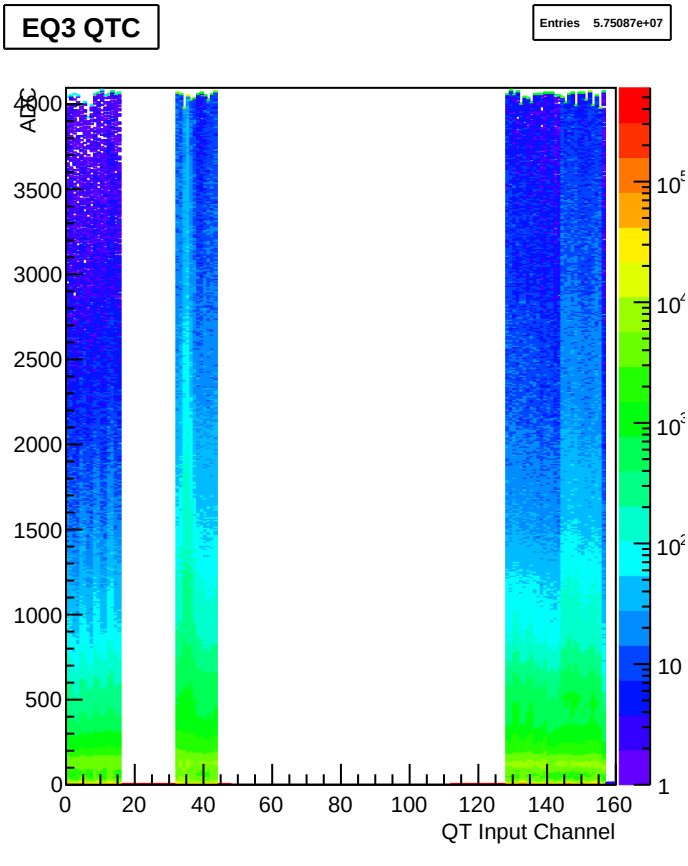

EQ2 QTB
Entries 5.456522e+07
TDC
QT Input Channel

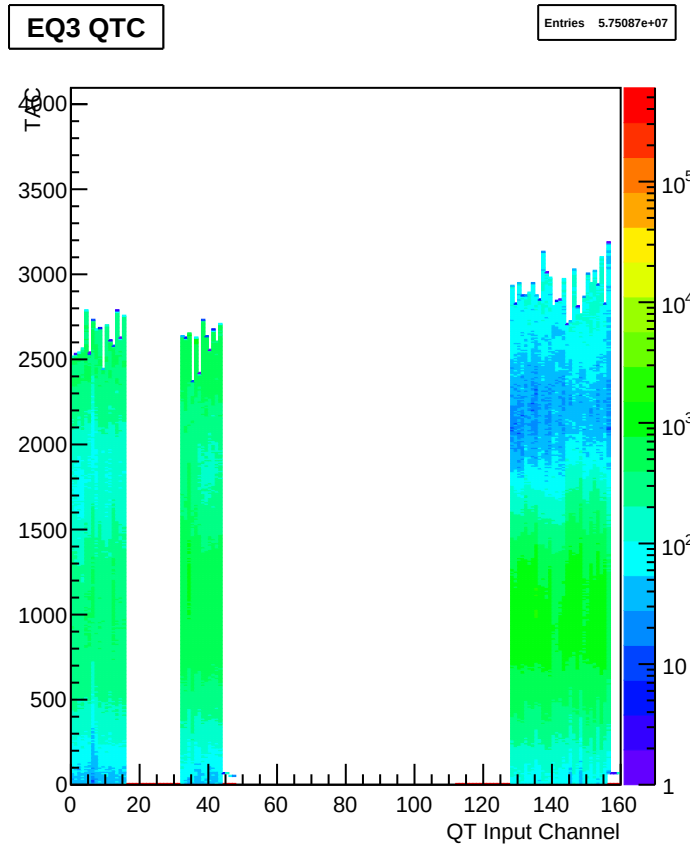

EQ2 QTC
Entries 5.75087e+07
ADC
QT Input Channel

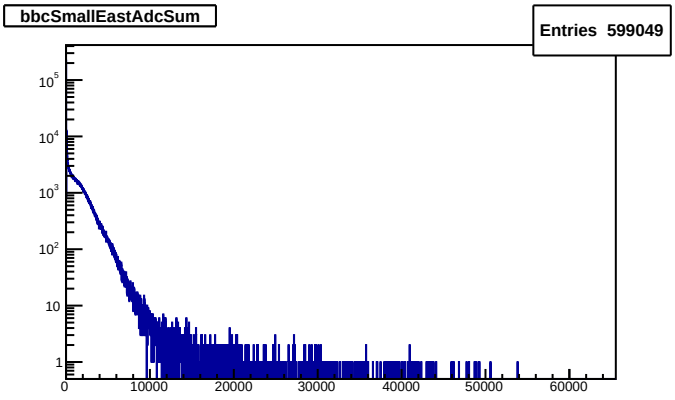

EQ2 QTC
Entries 5.75087e+07
TADC
QT Input Channel

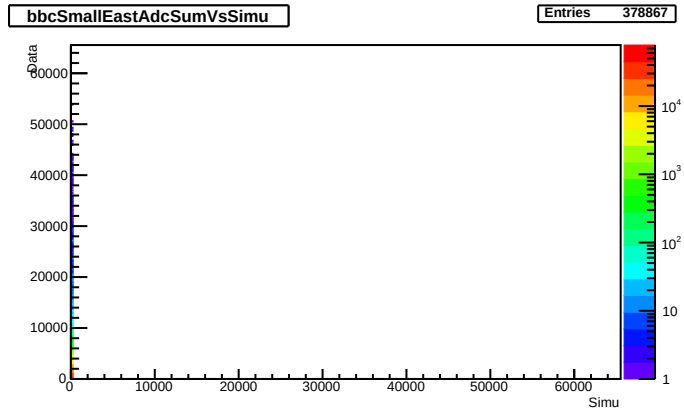

EQ3 QTB
Entries 1.533565e+08
ADC
QT Input Channel

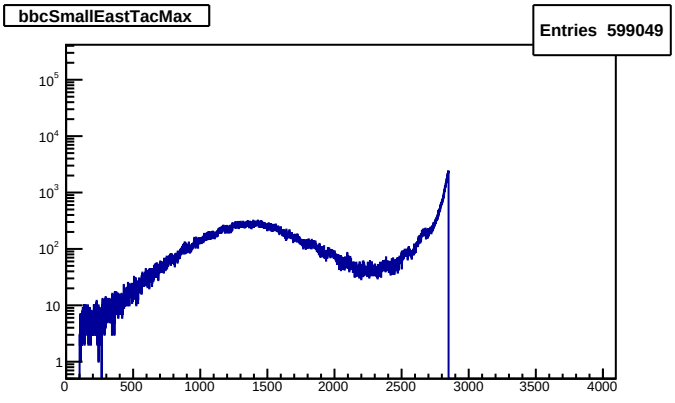

EQ3 QTB
Entries 4.460356e+07
TDC
QT Input Channel

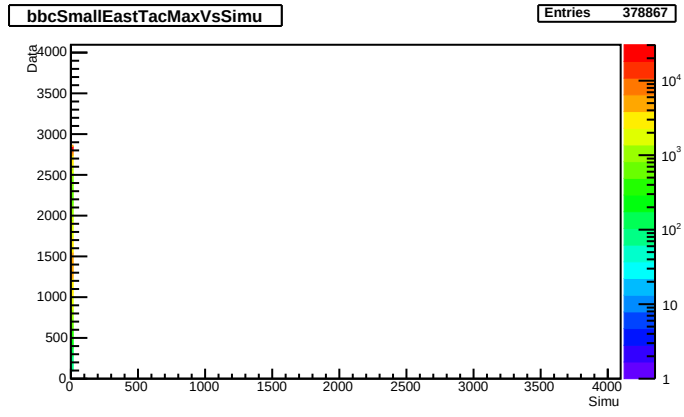

EQ3 QTC
Entries 5.75087e+07
ADC
QT Input Channel

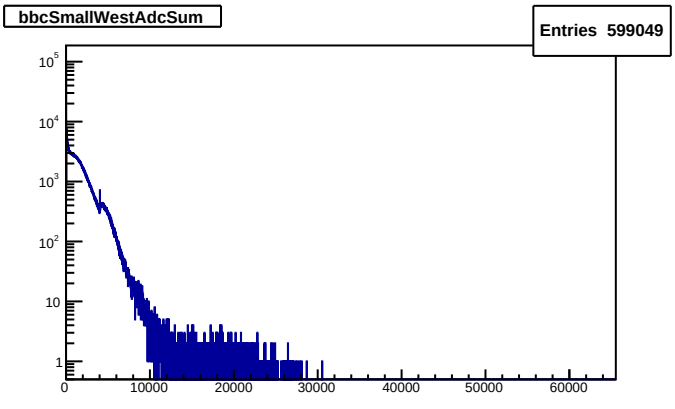

EQ3 QTC
Entries 5.75087e+07
TADC
QT Input Channel

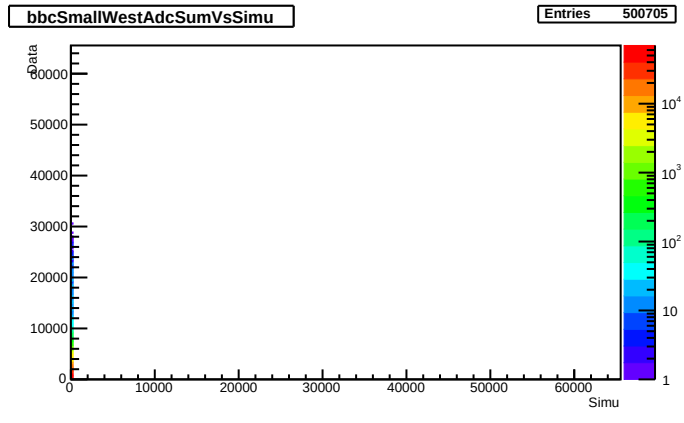

bbcSmallEastAdcSum
Entries 599049


bbcSmallEastAdcSumVsSimu
Entries 378867
Data
Simu


bbcSmallEastTacMax
Entries 599049


bbcSmallEastTacMaxVsSimu
Entries 378867
Data
Simu


bbcSmallWestAdcSum
Entries 599049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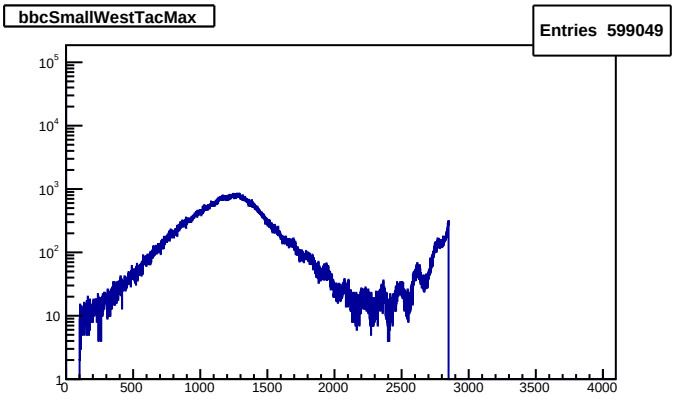
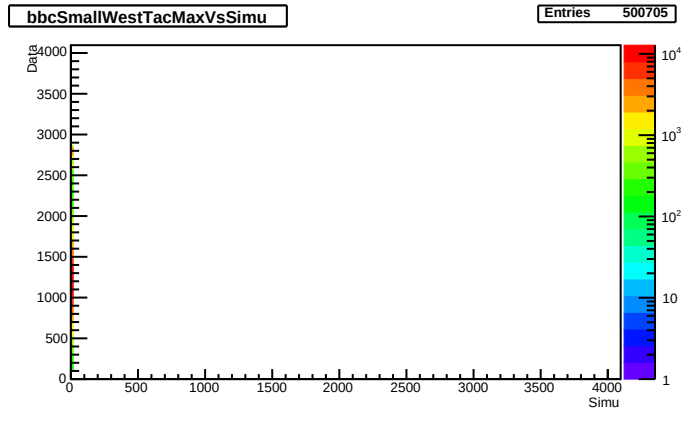
Entries 500705
Data
Simu


bbcSmallWestTacMax
Entries 599049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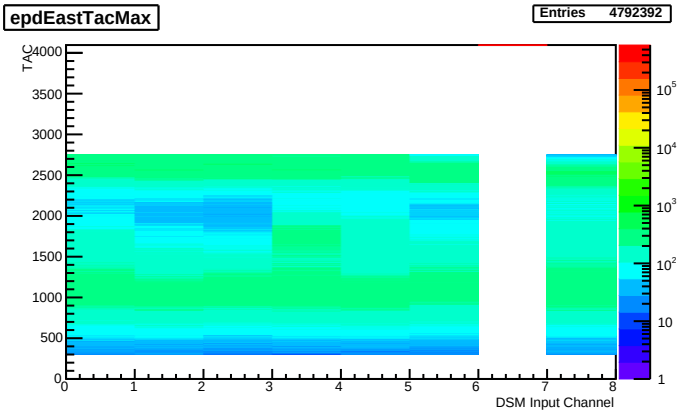
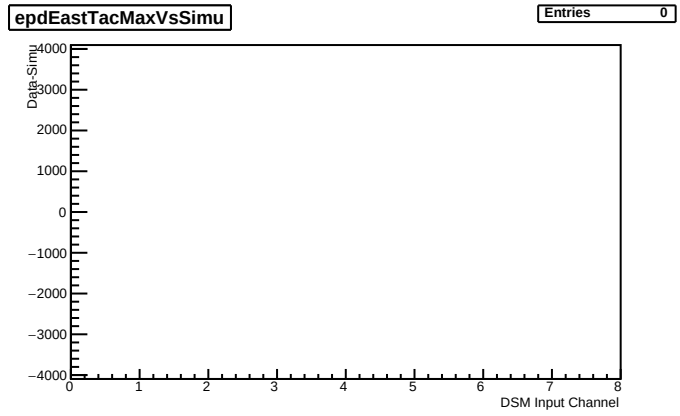
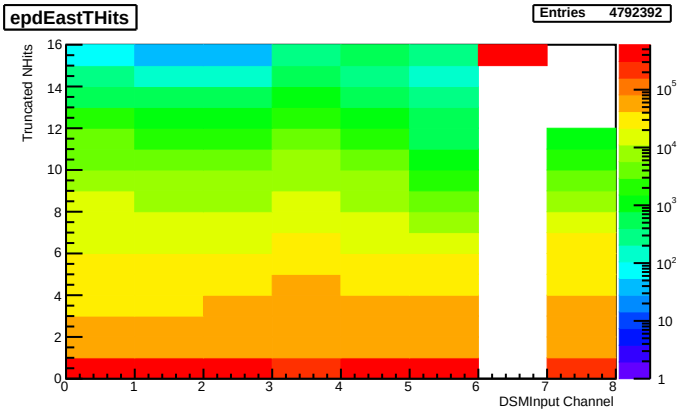
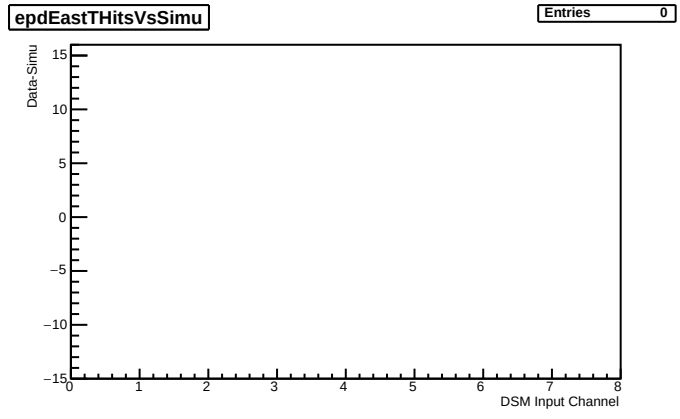
Entries 500705
Data
Simu


epdEastTacMax
Entries 4792392
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4792392
Truncated NHits
DSMInput Channel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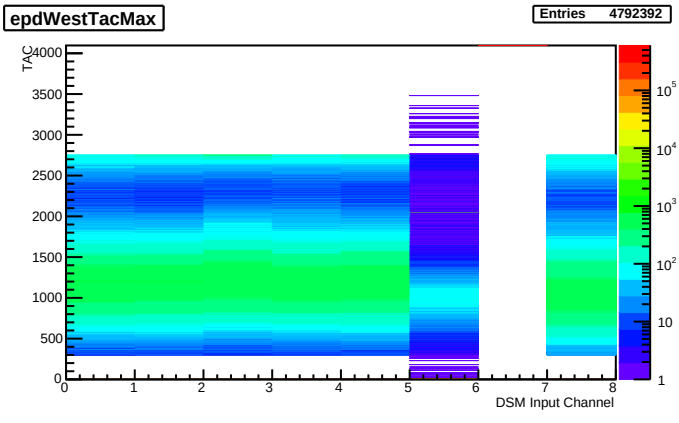
Data-Simu
DSM Input Channel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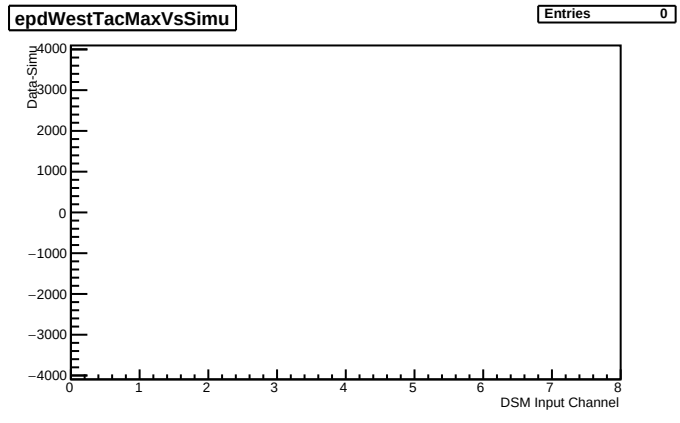
Entries 4792392
TAC
DSM Input Channel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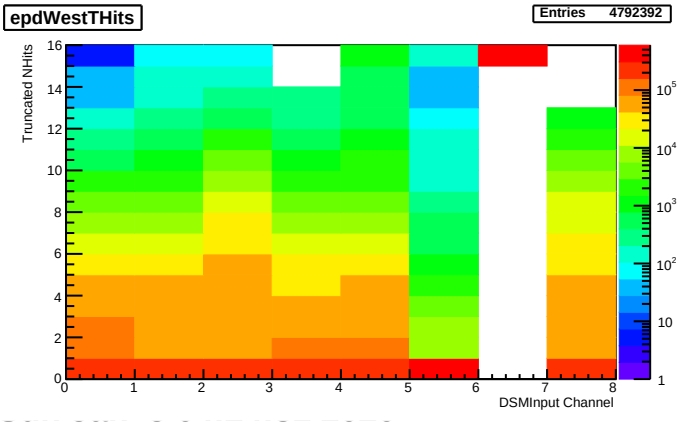
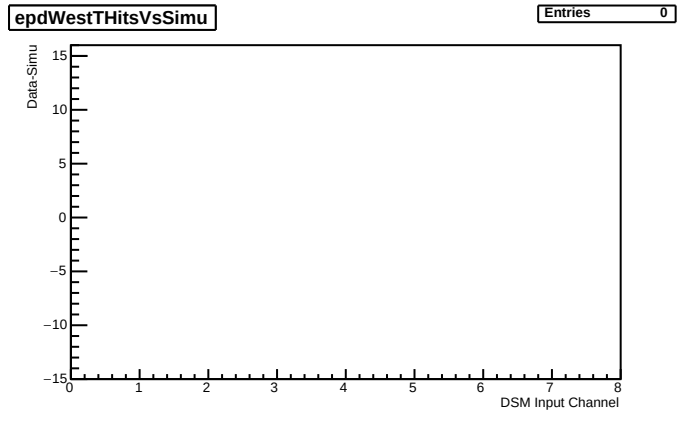
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 4792392
Truncated NHits
DSMInput Channel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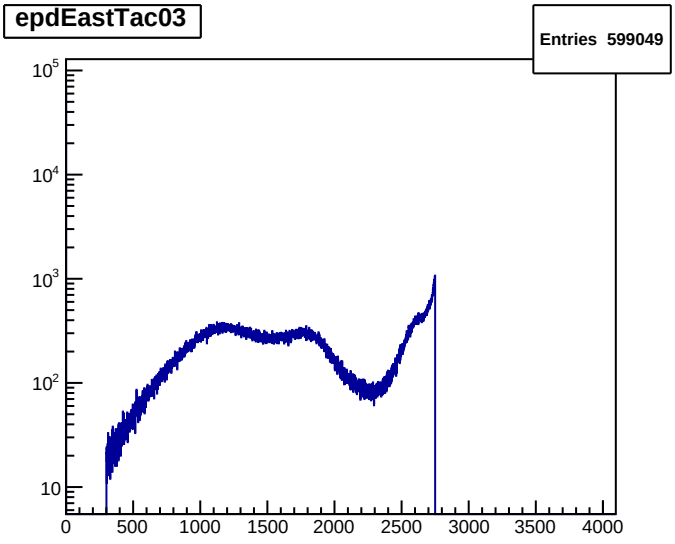
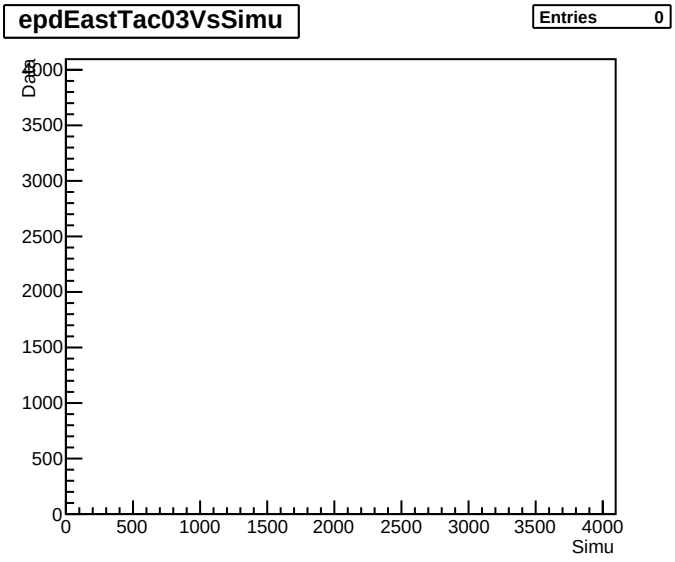
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 599049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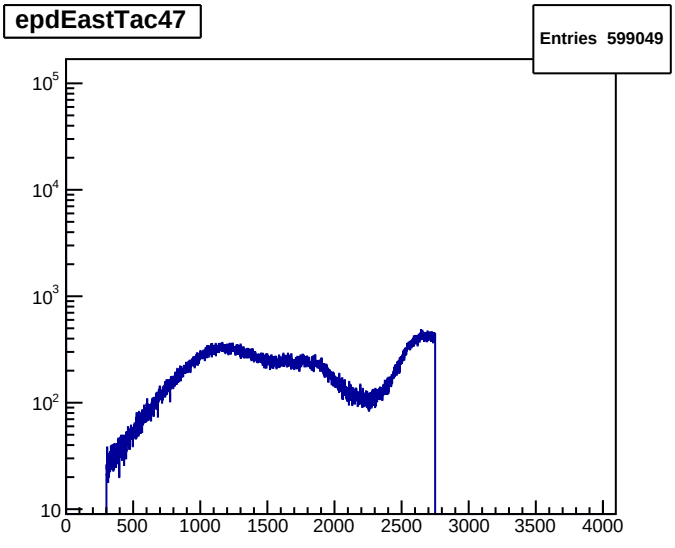
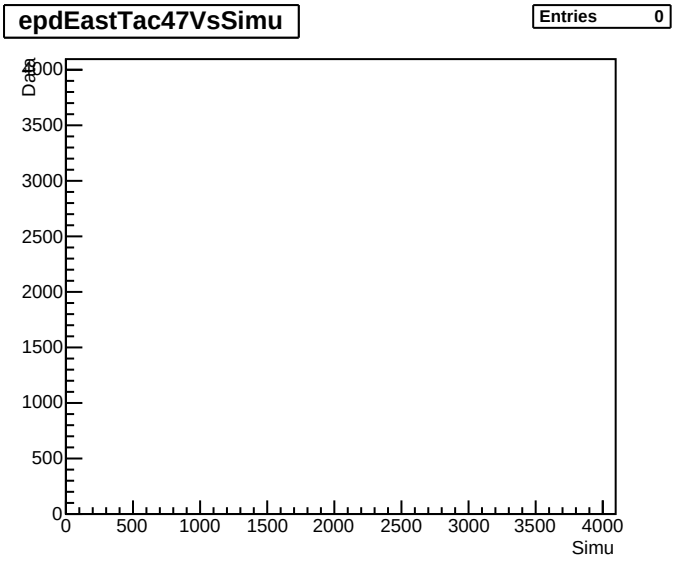
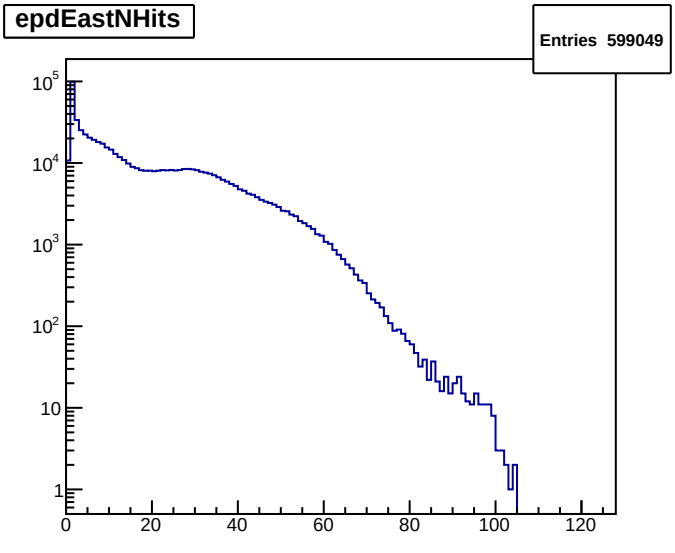
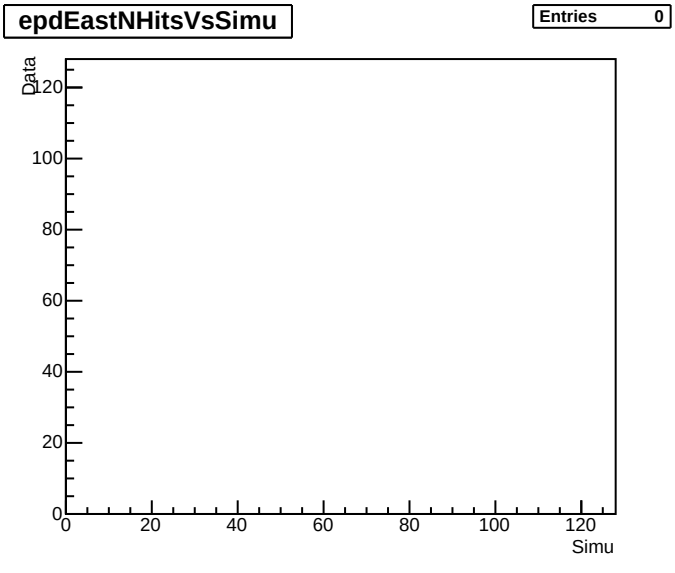
Entries 0
Data
Simu


epdEastTac47
Entries 599049


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 599049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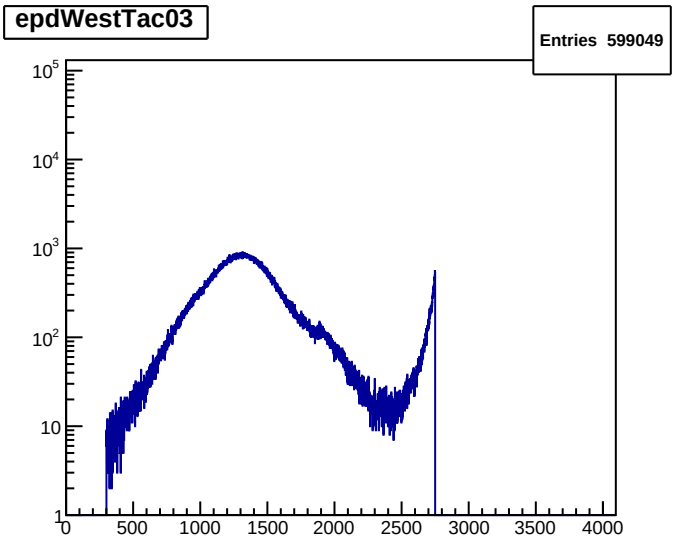
Entries 0
Data
Simu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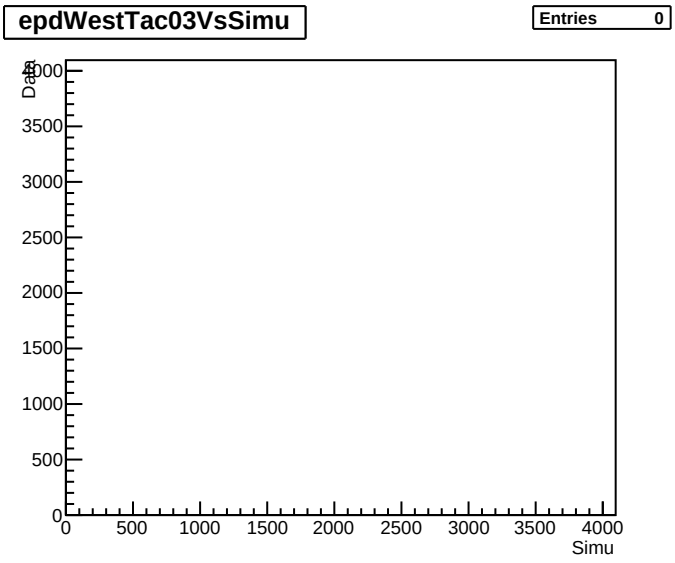
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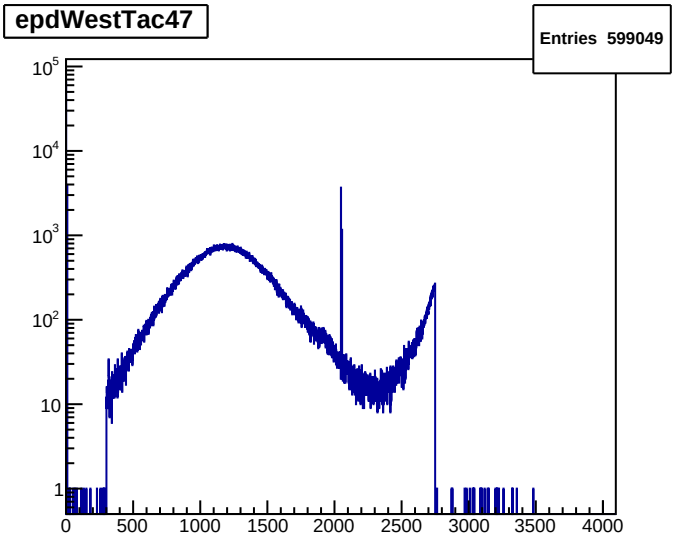
Entries 0
Data
Simu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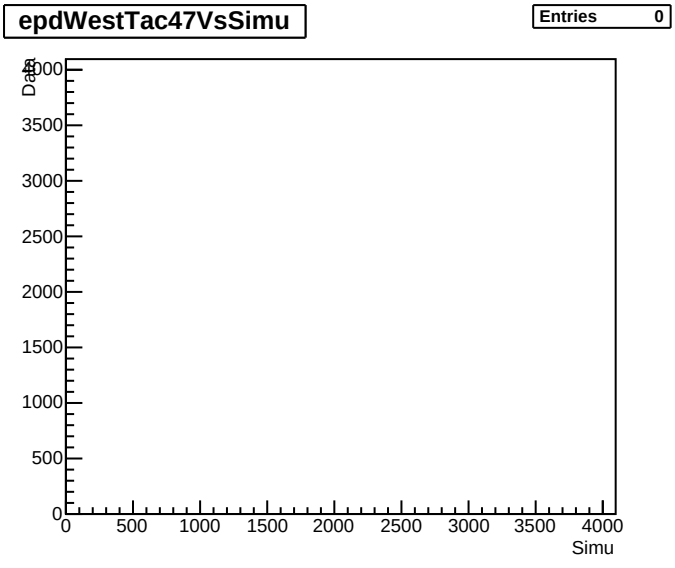
Entries 599049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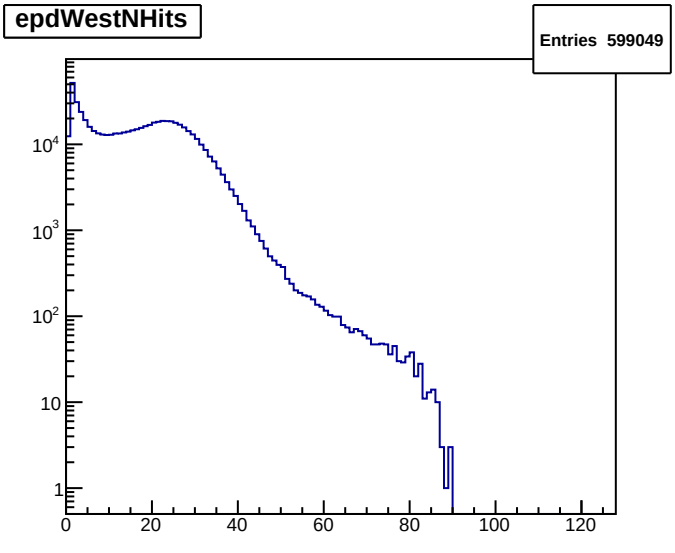
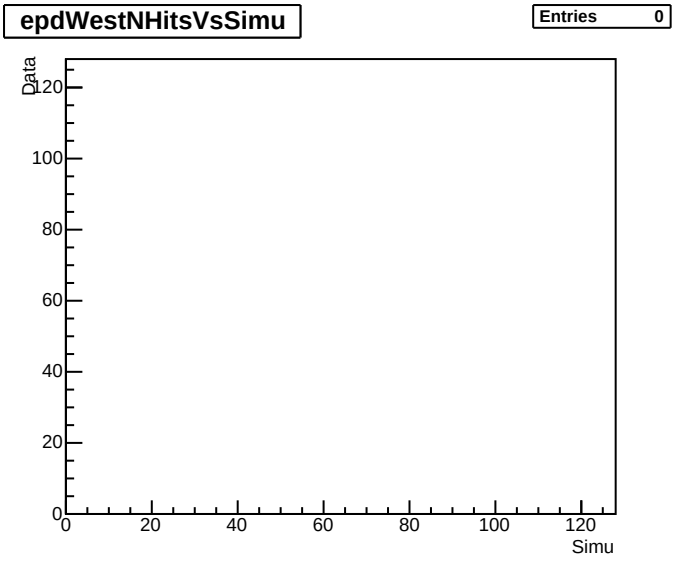
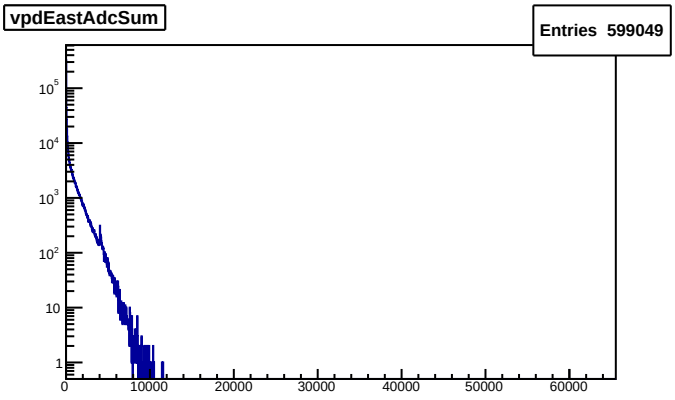
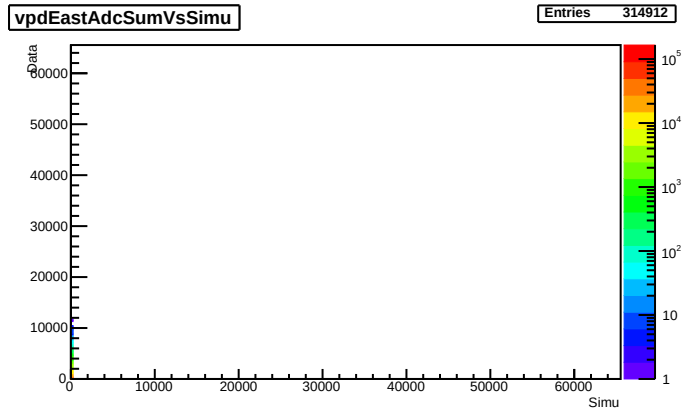
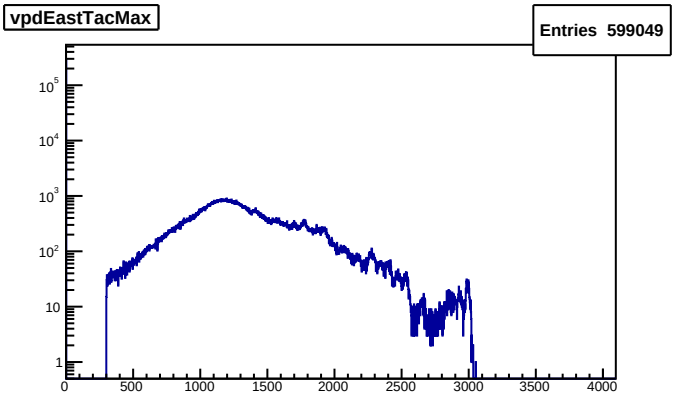
Entries 0
Data
Simu

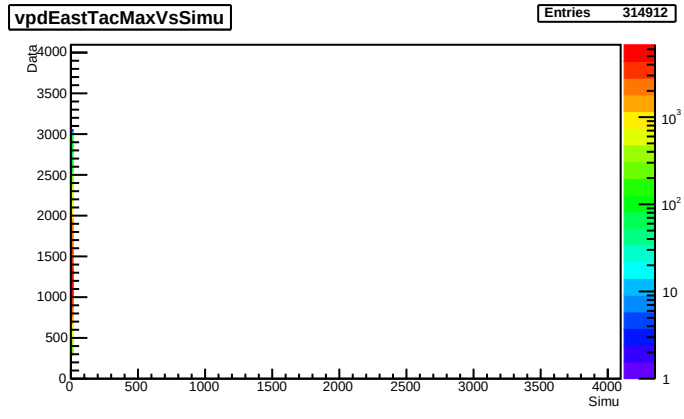

epdWestNHits
Entries 599049

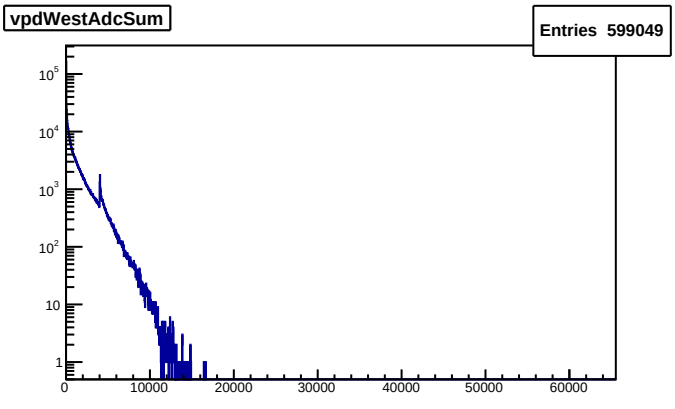

epdWestNHitsVsSimu
Entries 0
Data
Simu

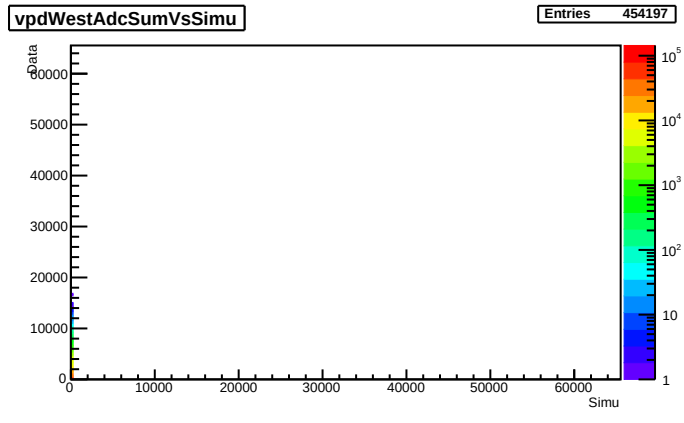

vpdEastAdcSum
Entries 599049

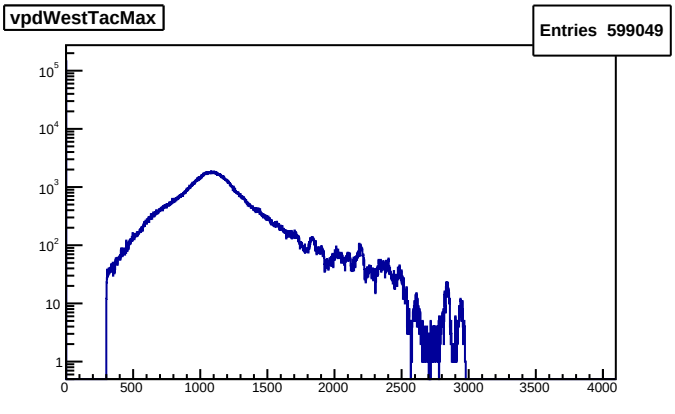

vpdEastAdcSumVsSimu
Entries 314912
Data
Simu

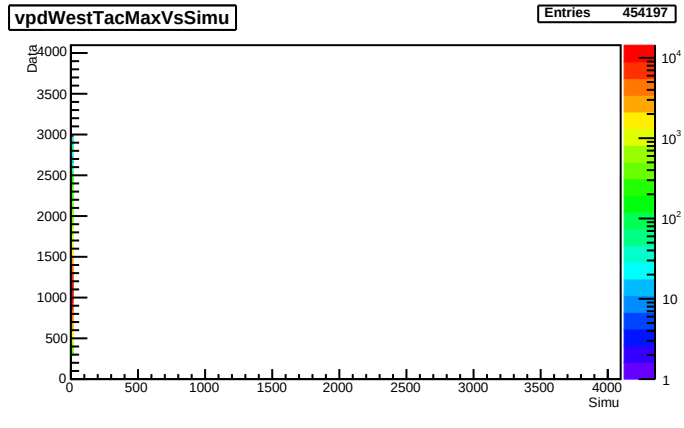

vpdEastTacMax
Entries 599049

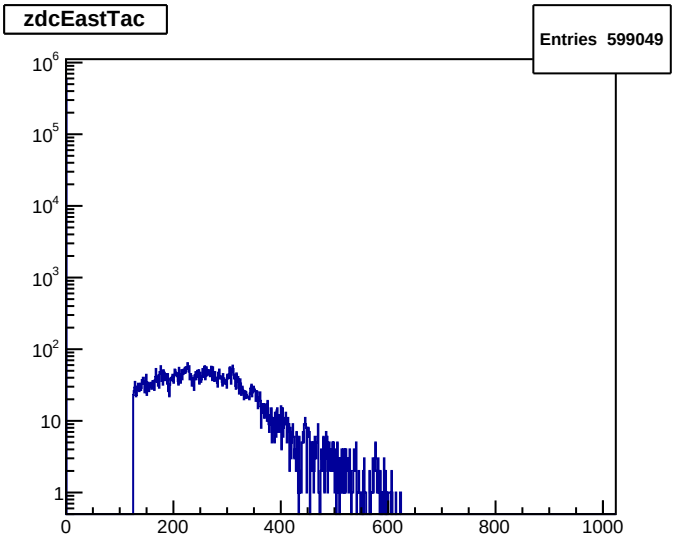

vpdEastTacMaxVsSimu
Entries 314912
Data
Simu

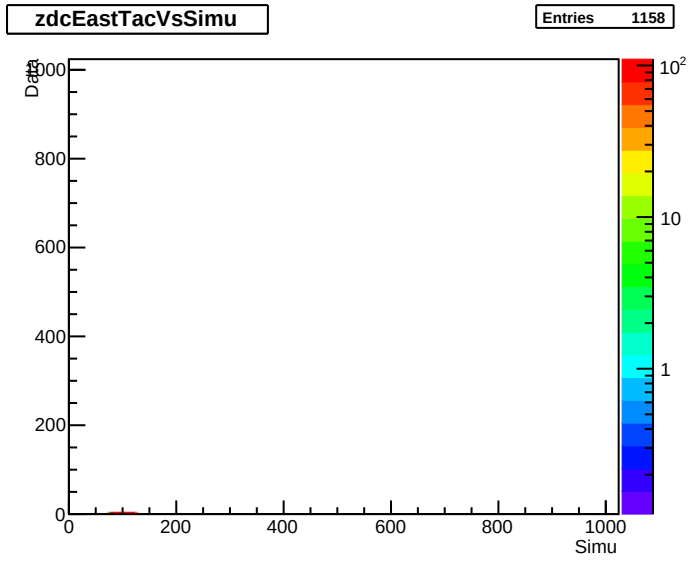

vpdWestAdcSum
Entries 599049

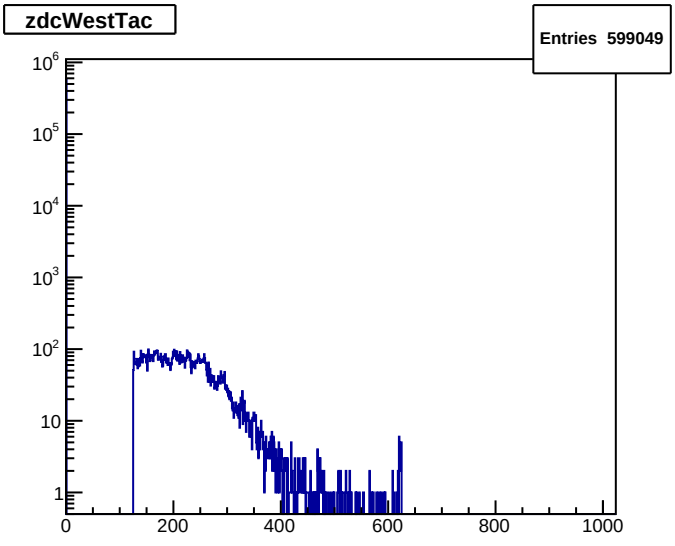

vpdWestAdcSumVsSimu
Entries 454197
Data
Simu

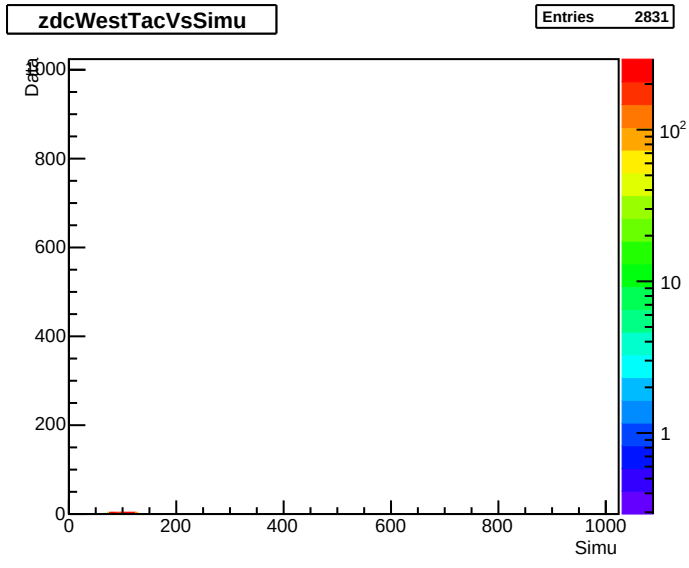

vpdWestTacMax
Entries 599049

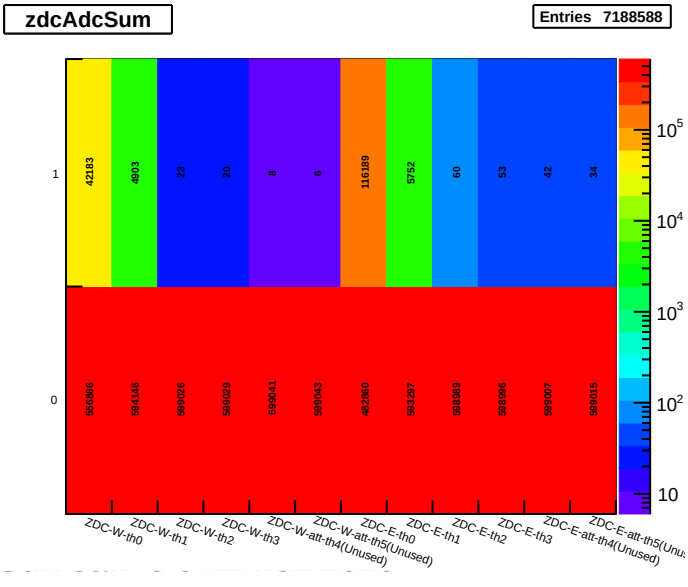

vpdWestTacMaxVsSimu
Entries 454197
Data
Simu

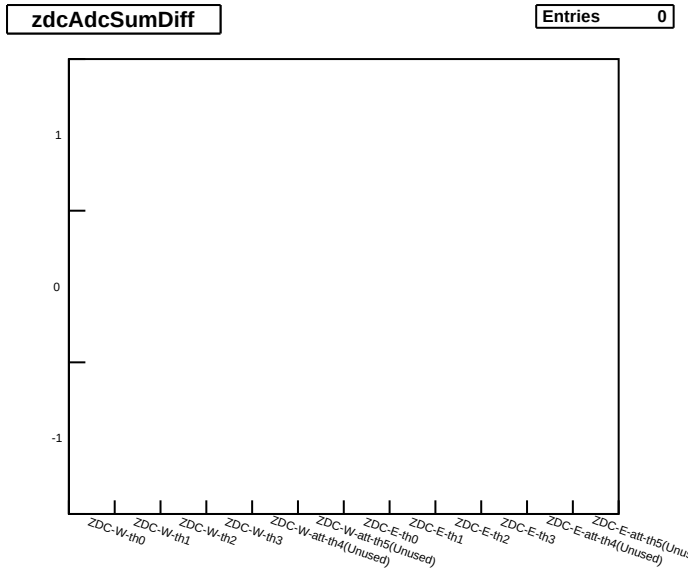

zdcEastTac
Entries 599049

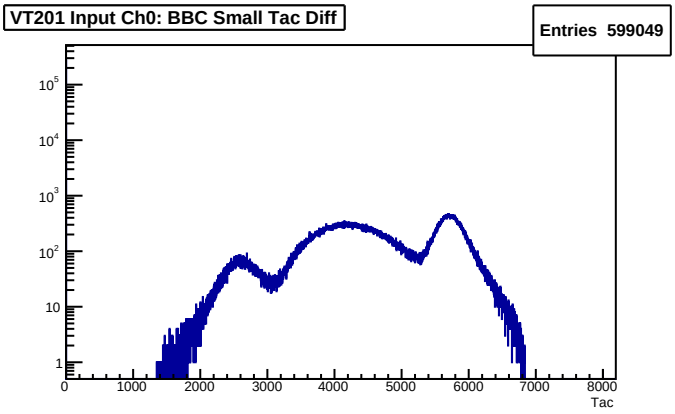

zdcEastTacVsSimu
Entries 1158
Data
Simu

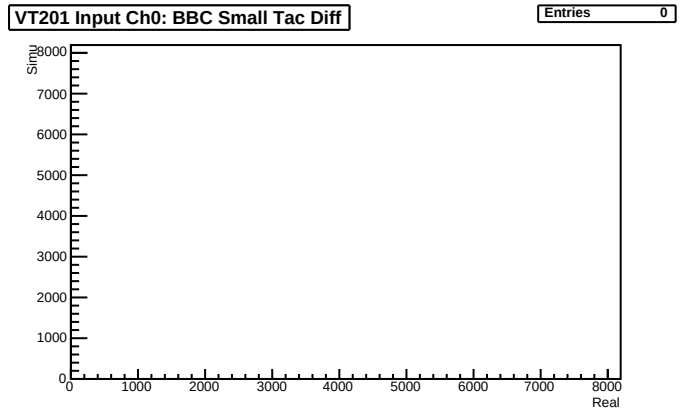

zdcWestTac
Entries 599049

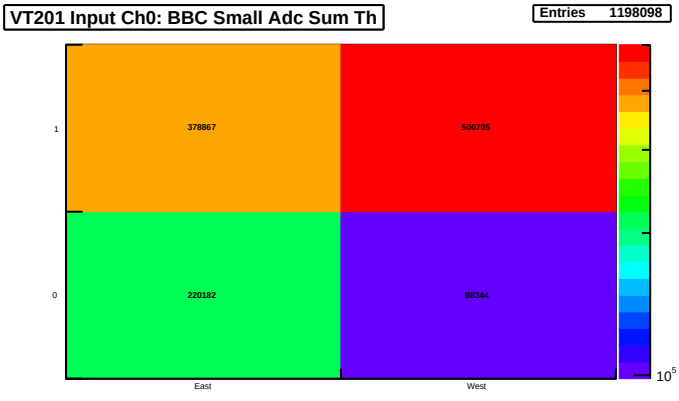

zdcWestTacVsSimu
Entries 2831
Data
Simu

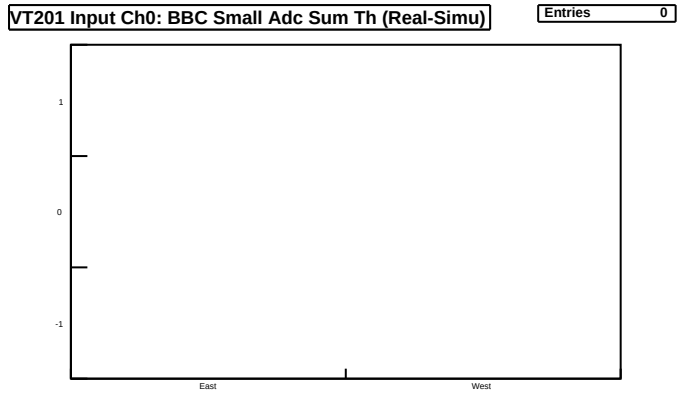

zdcAdcSum
Entries 7188588
42183
4903
23
20
8
6
116189
5752
60
53
42
34
556866
594146
599026
599029
599041
599043
482860
593297
598889
598896
599007
599015
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

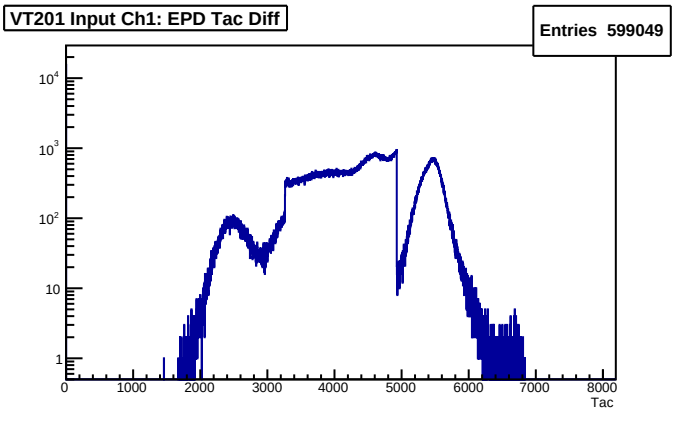

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

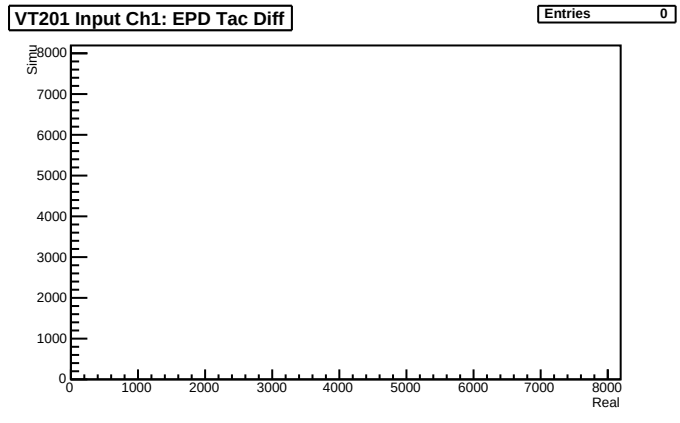

VT201 Input Ch0: BBC Small Tac Diff
Entries 599049
Tac

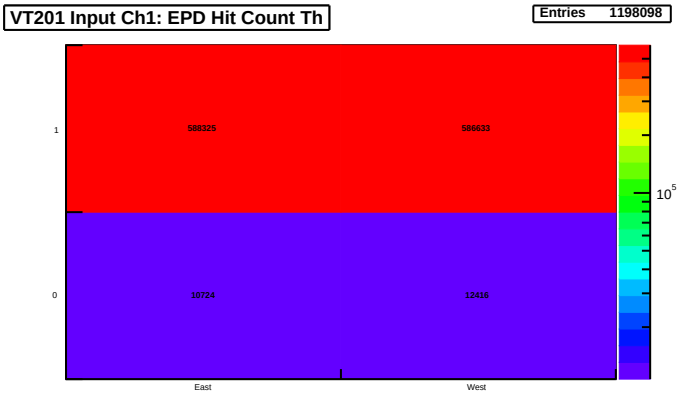

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

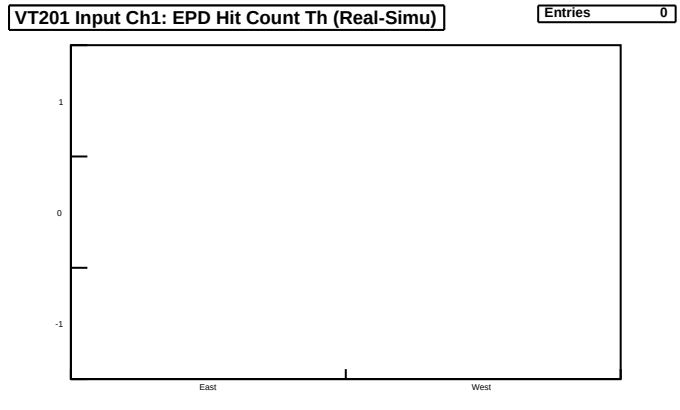

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1198098
378867
500705
220182
98344
East
West

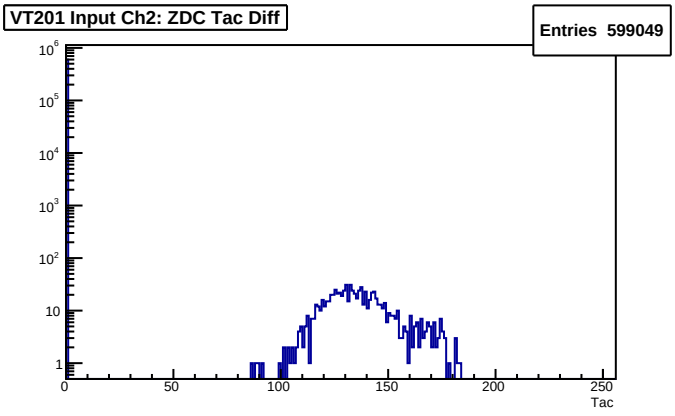

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

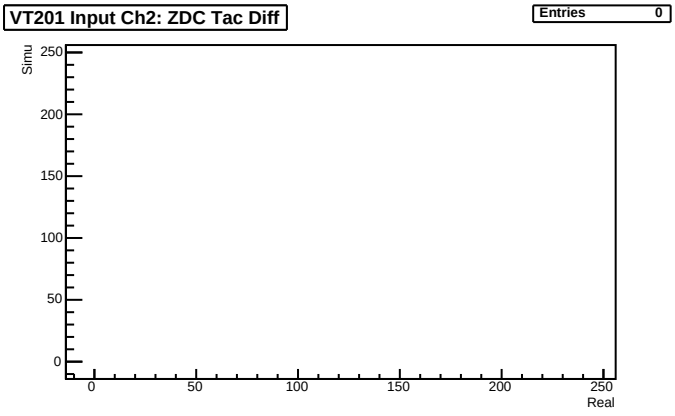

VT201 Input Ch1: EPD Tac Diff
Entries 599049
Tac

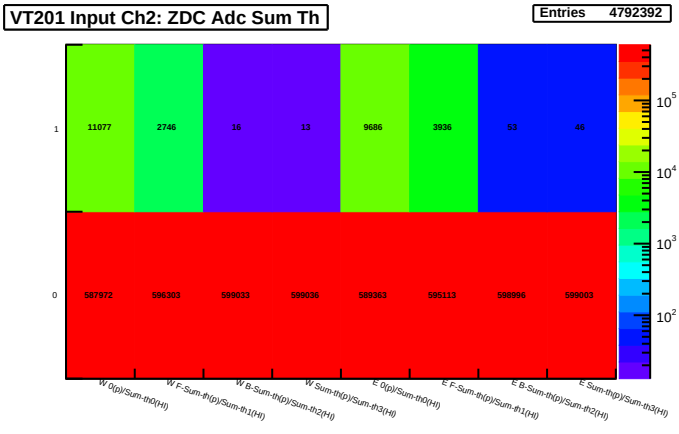

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

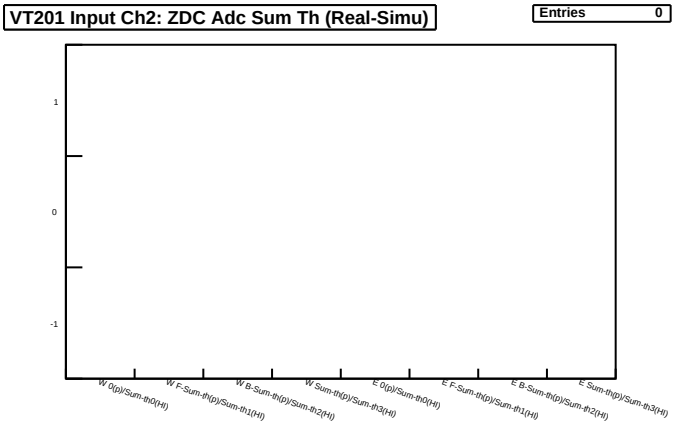

VT201 Input Ch1: EPD Hit Count Th
Entries 1198098
588325
586633
10724
12416
East
West

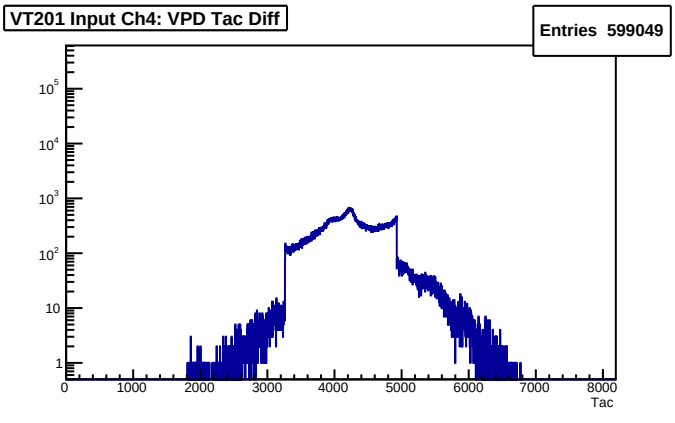

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

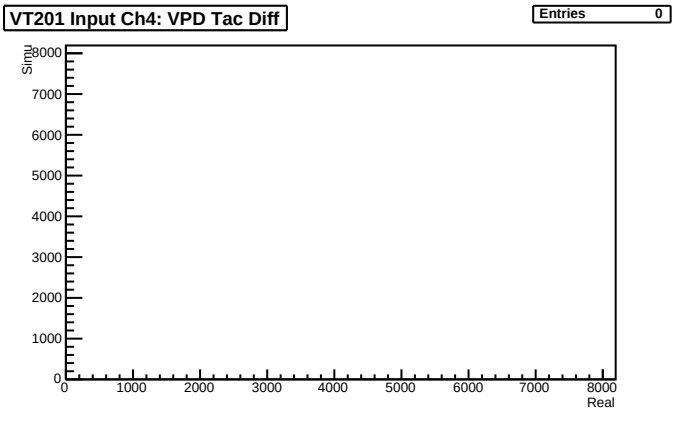

VT201 Input Ch2: ZDC Tac Diff
Entries 599049
Tac

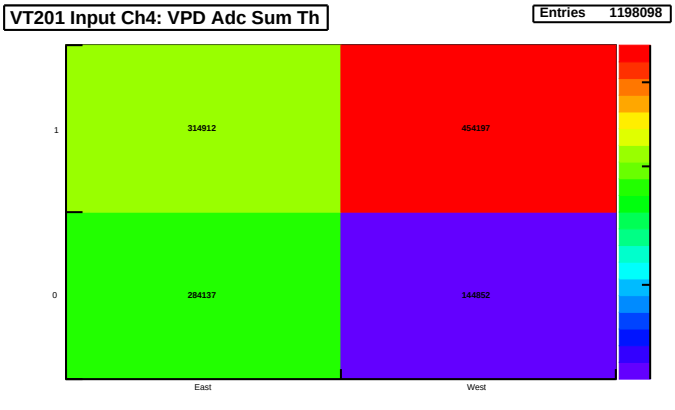

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

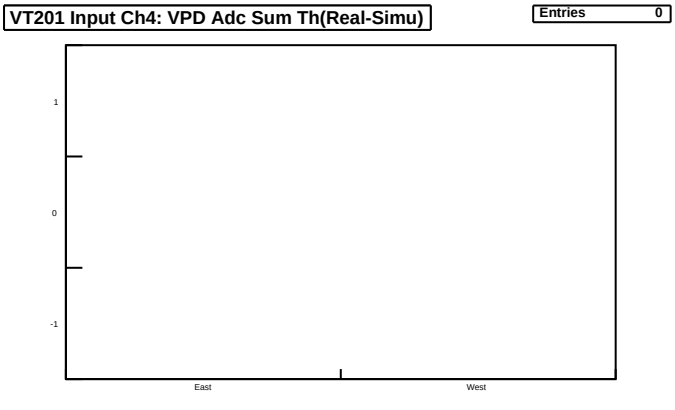

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4792392
11077
2746
16
13
9686
3936
53
46
587972
596303
599033
599036
589363
595113
598996
599003
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

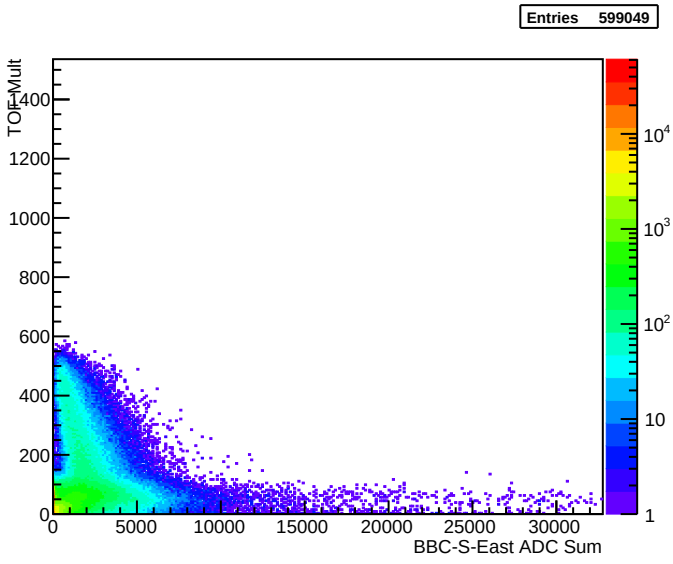

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

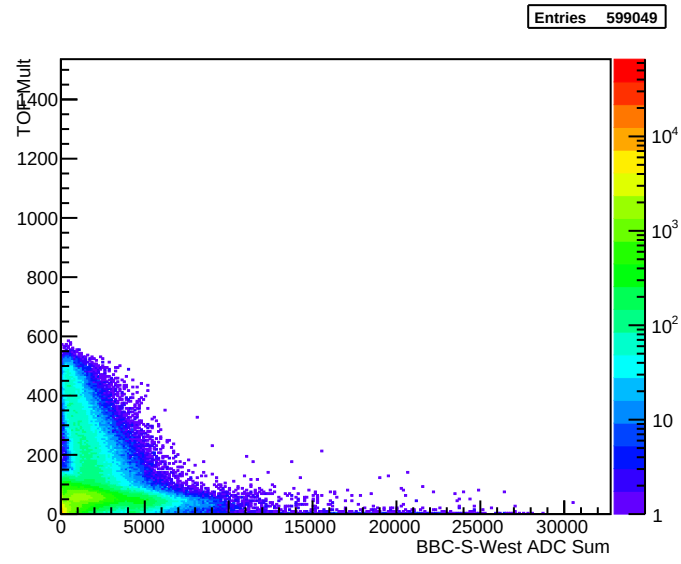

VT201 Input Ch4: VPD Tac Diff
Entries 599049
Tac

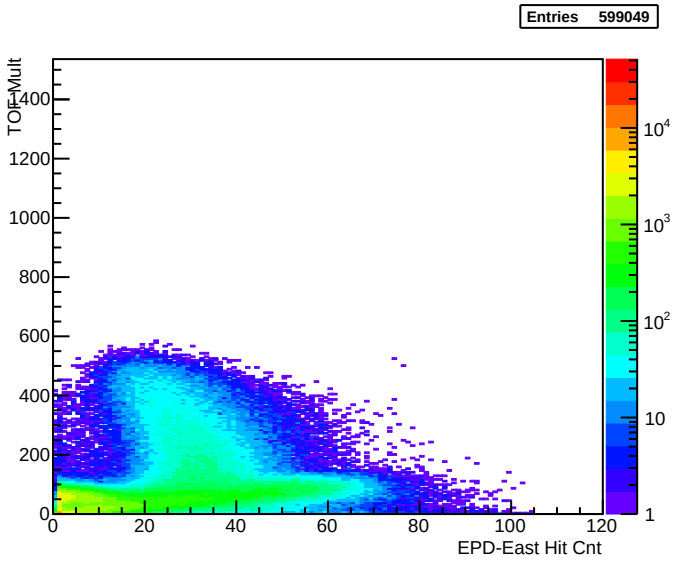

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

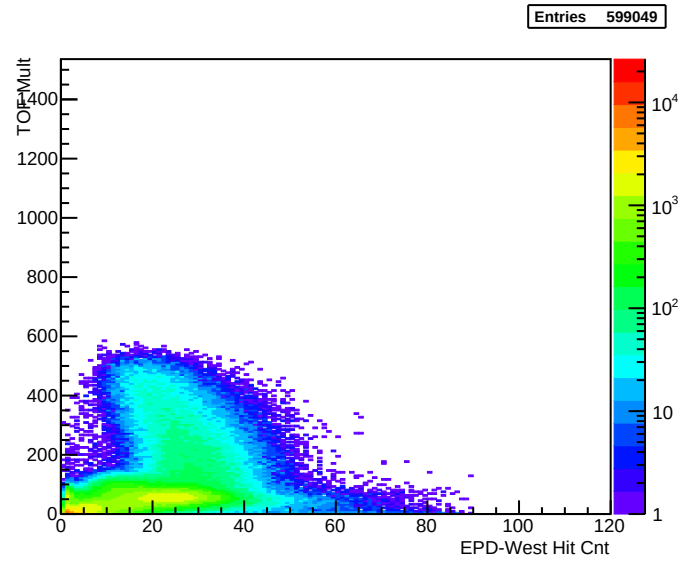

VT201 Input Ch4: VPD Adc Sum Th
Entries 1198098
314912
454197
284137
144852
East
West

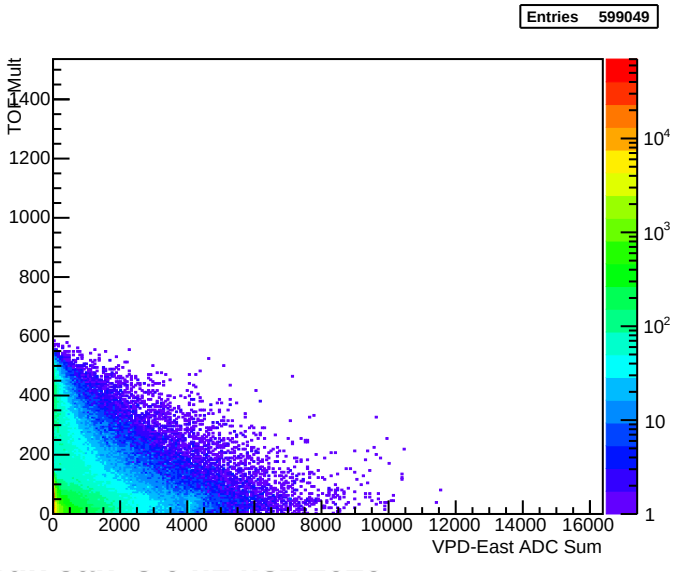

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

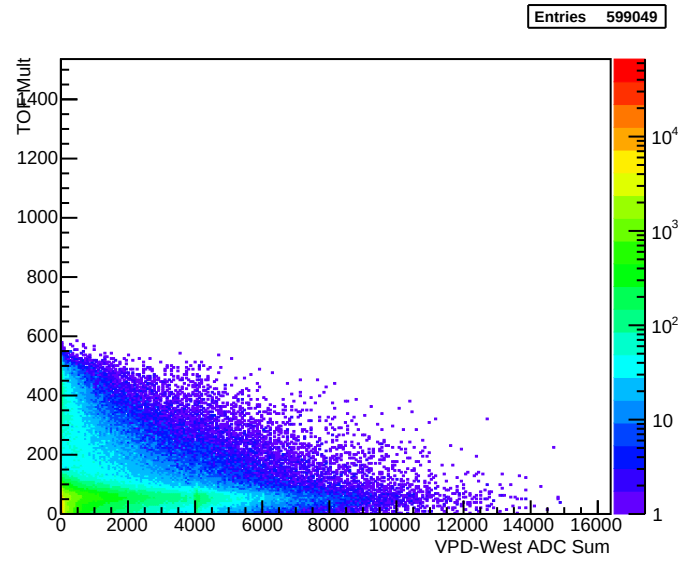

Entries 599049
TOF-Mult
BBC-S-East ADC Sum

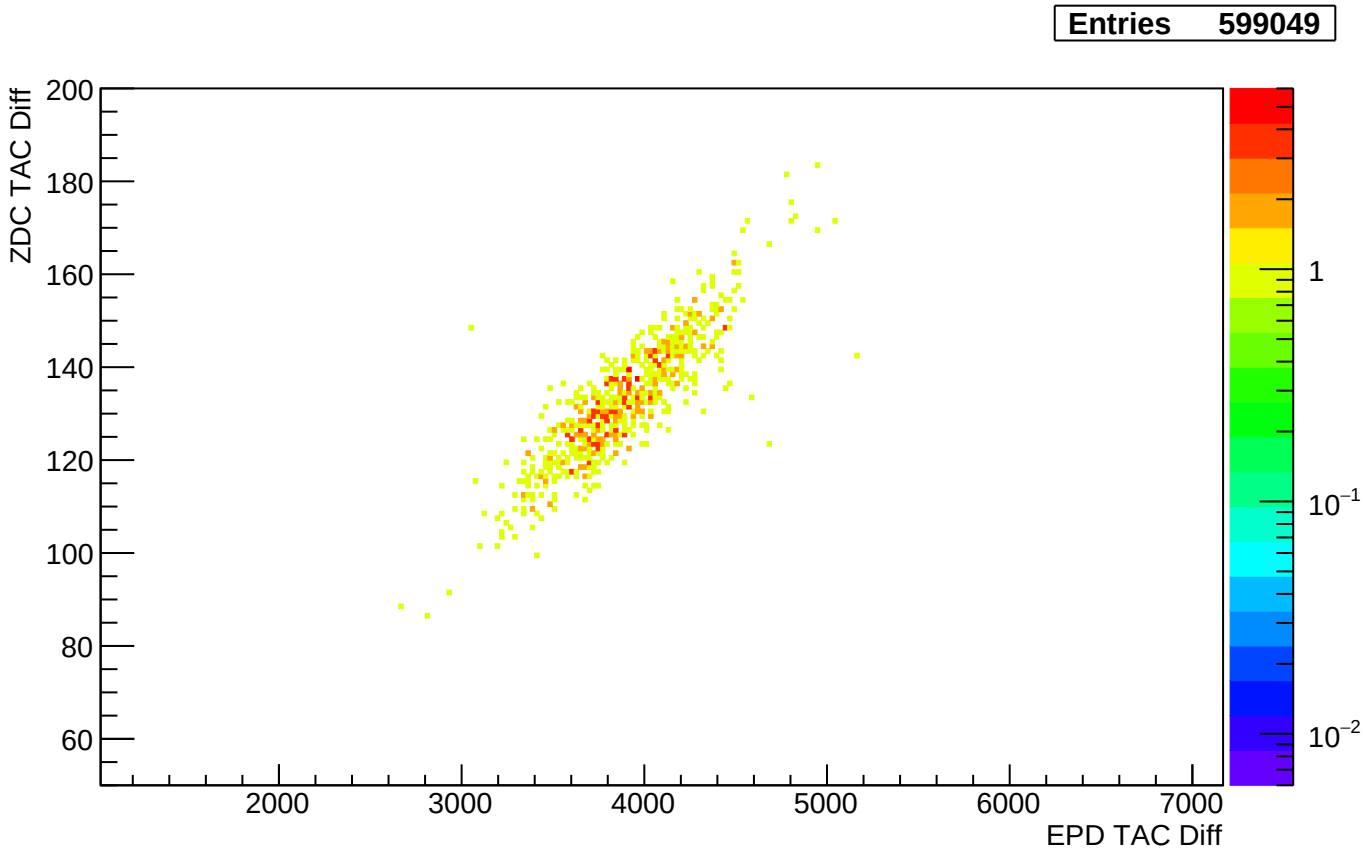

Entries 599049
TOF-Mult
BBC-S-West ADC Sum

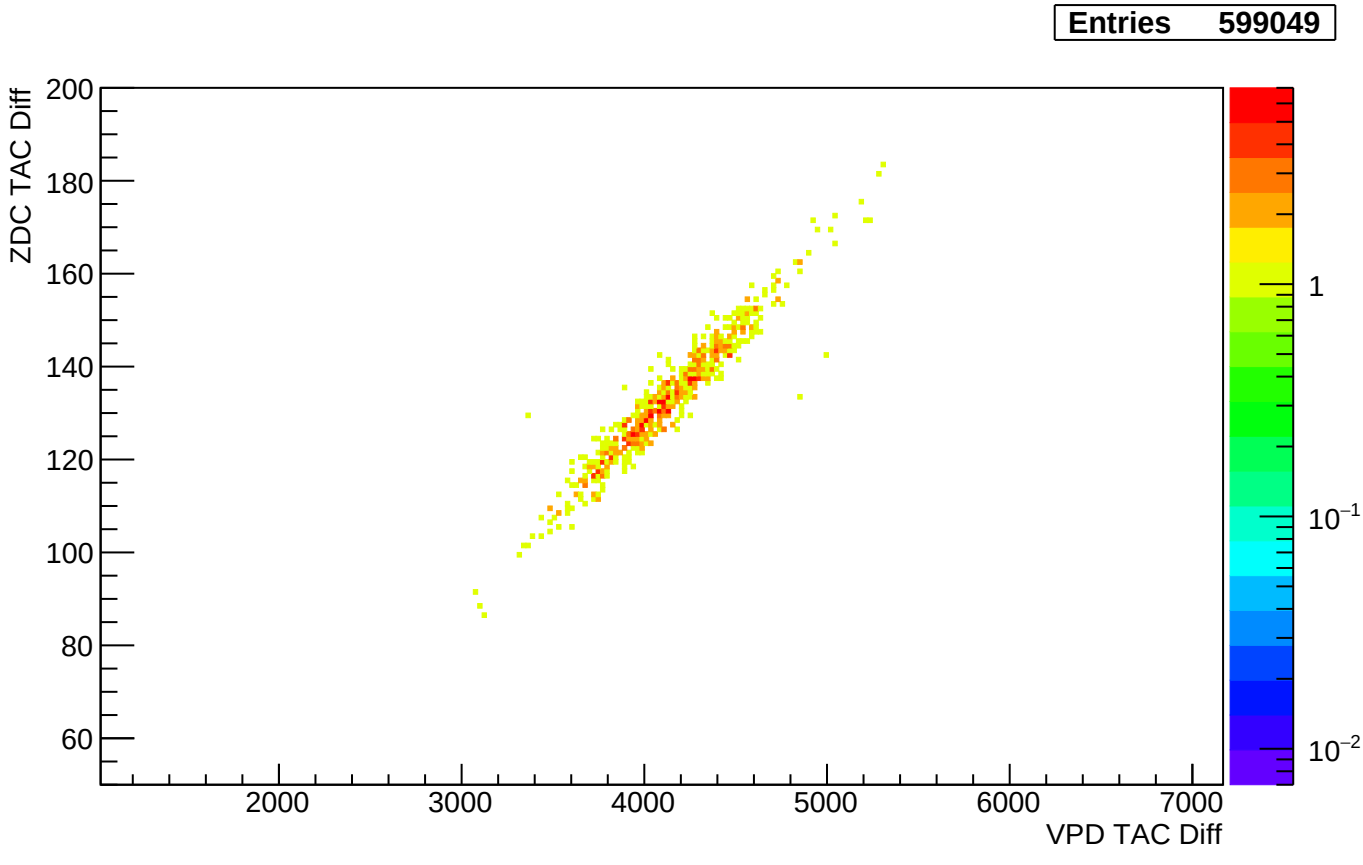

Entries 599049
TOF-Mult
EPD-East Hit Cnt

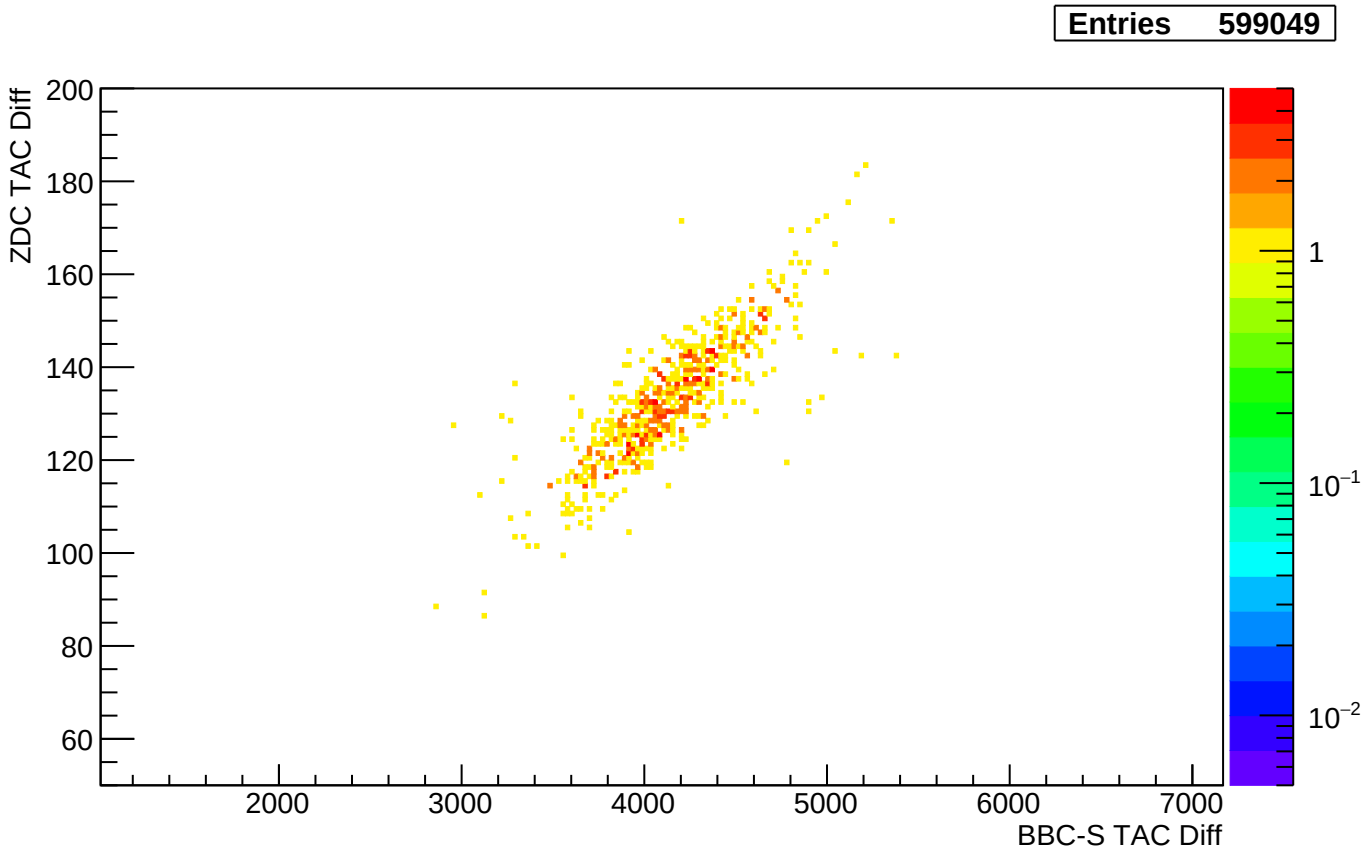

Entries 599049
TOF-Mult
EPD-West Hit Cnt

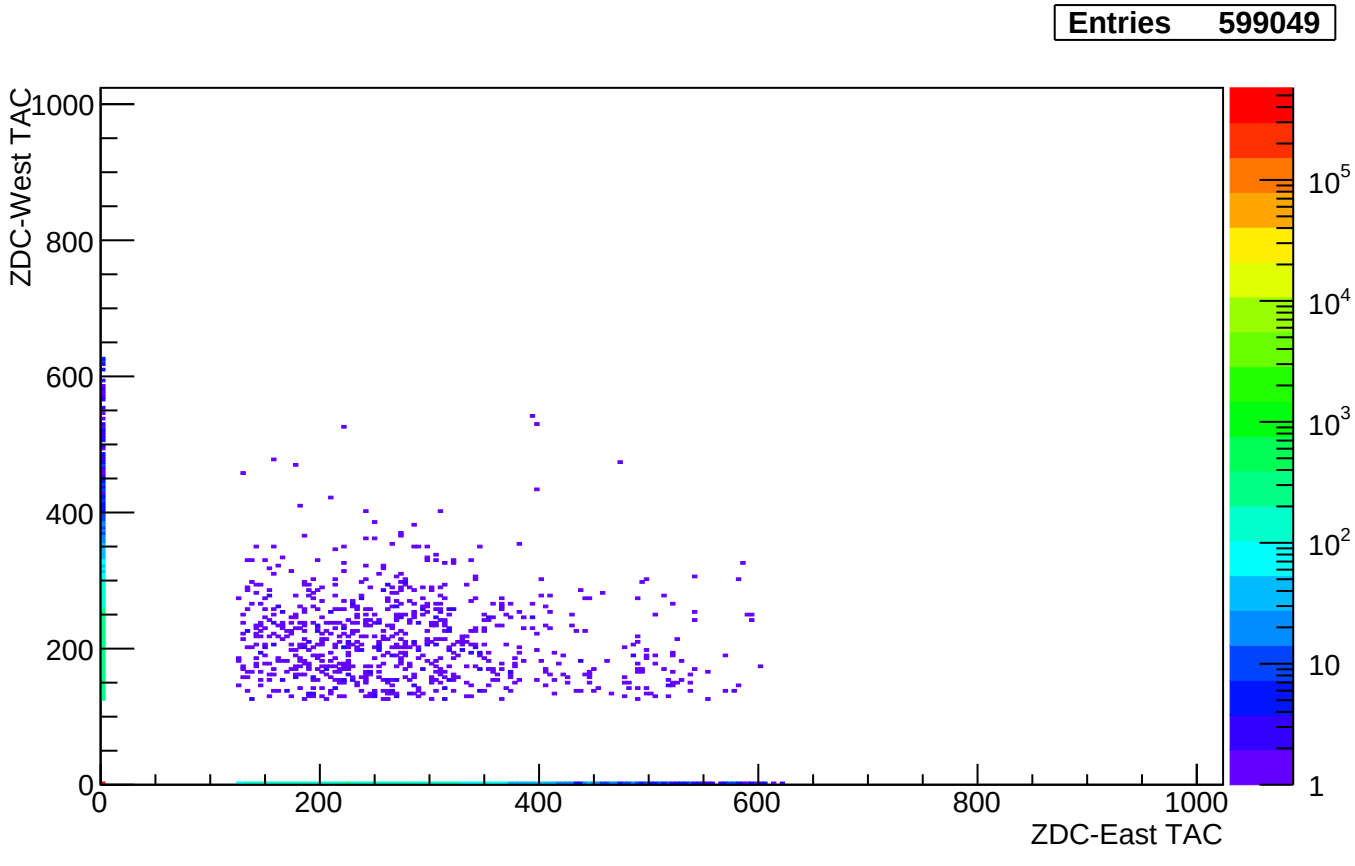

Entries 599049
TOF-Mult
VPD-East ADC Sum

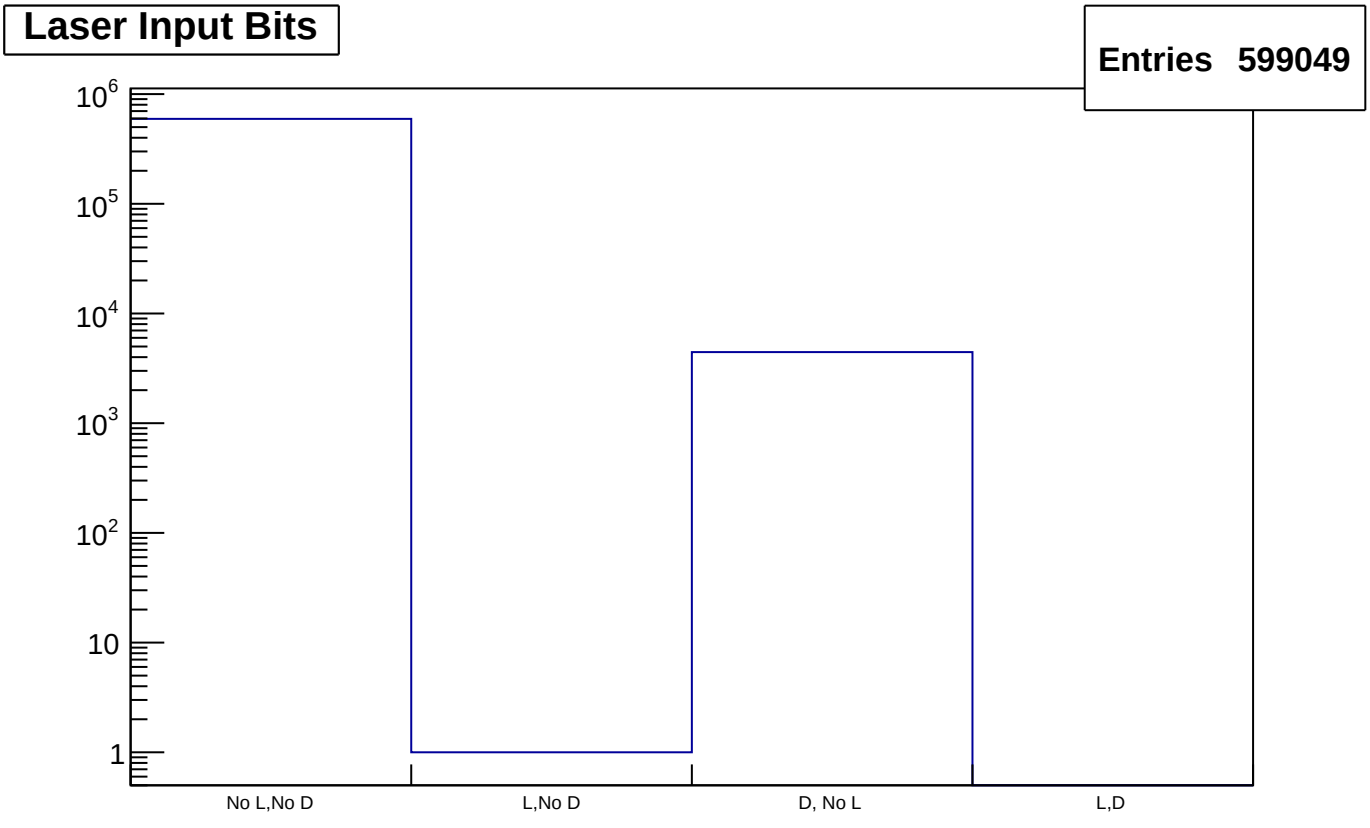

Entries 599049
TOF-Mult
VPD-West ADC Sum

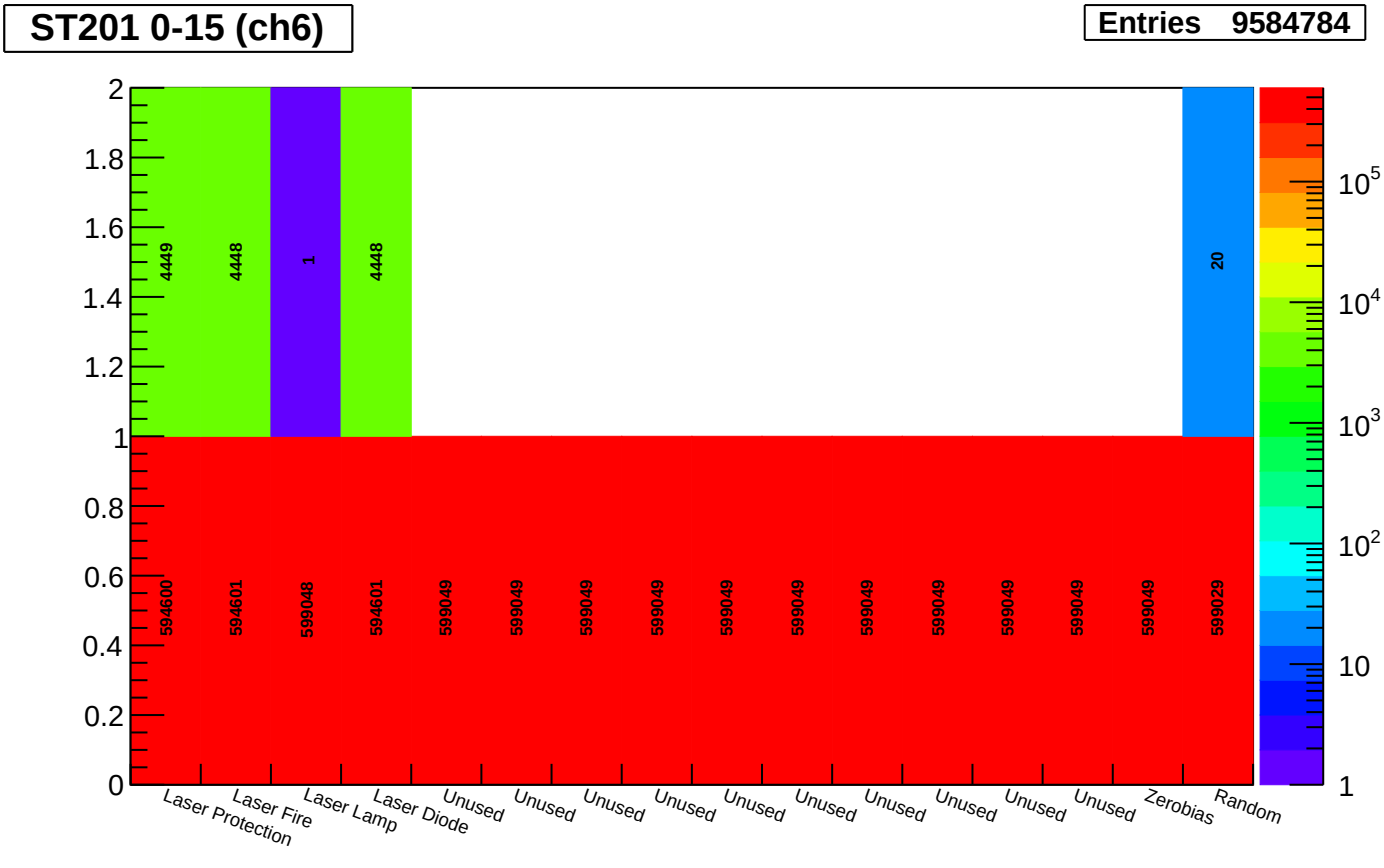

Entries 599049
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

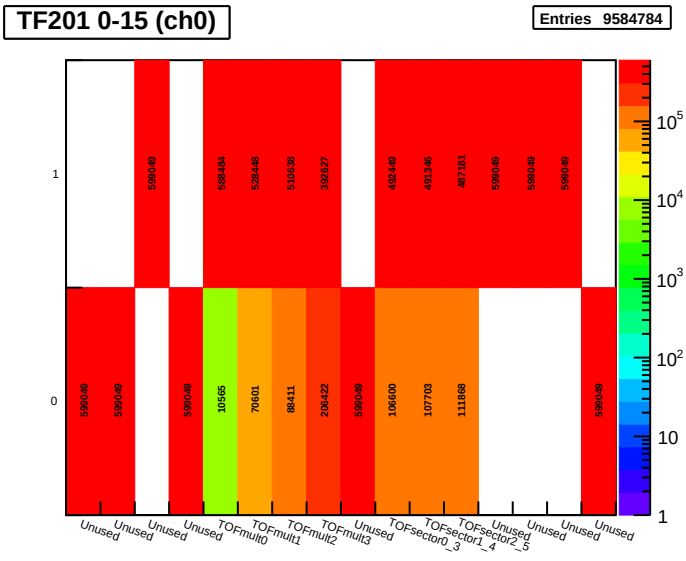

Entries 599049
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

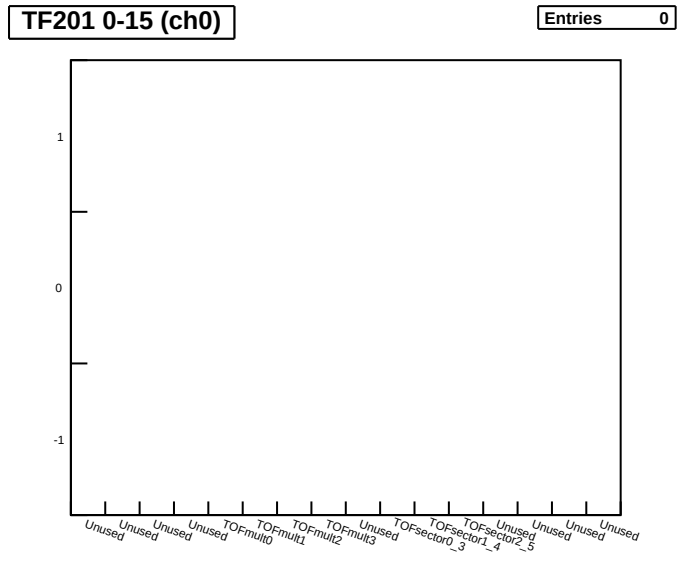

Entries 599049
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

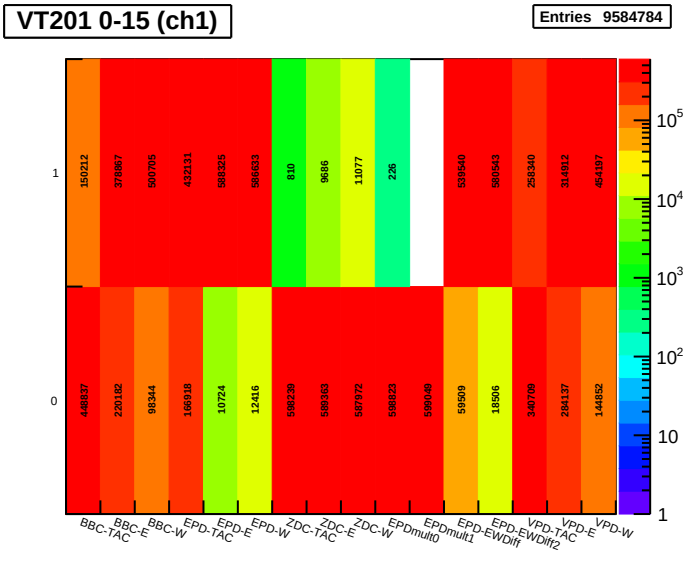

Entries 599049
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

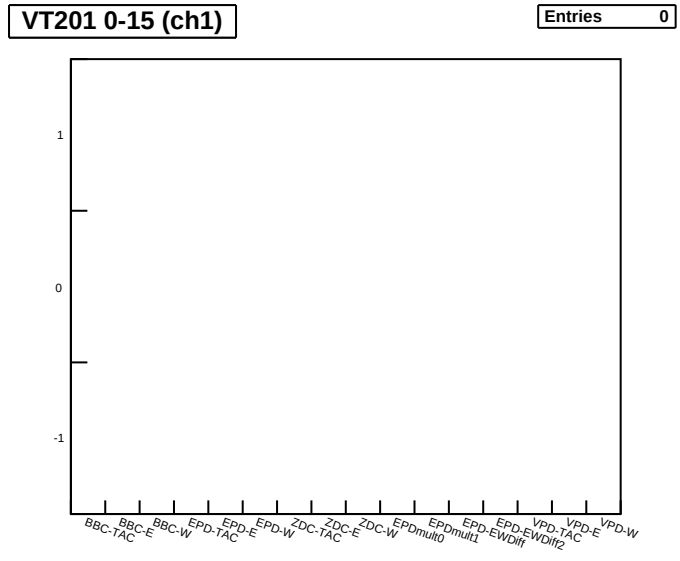

Laser Input Bits
Entries 599049
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

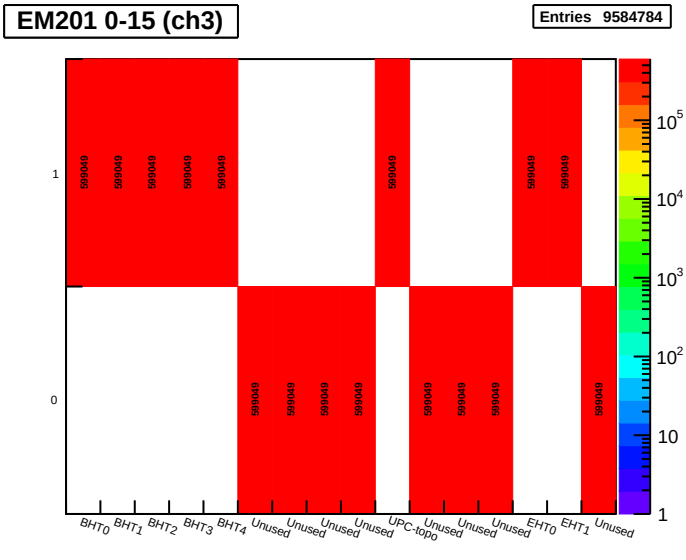

ST201 0-15 (ch6)
Entries 9584784
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
4449
4448
1
4448
20
594600
594601
599048
594601
599049
599049
599049
599049
599049
599049
599049
599049
599049
599049
599049
599029
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

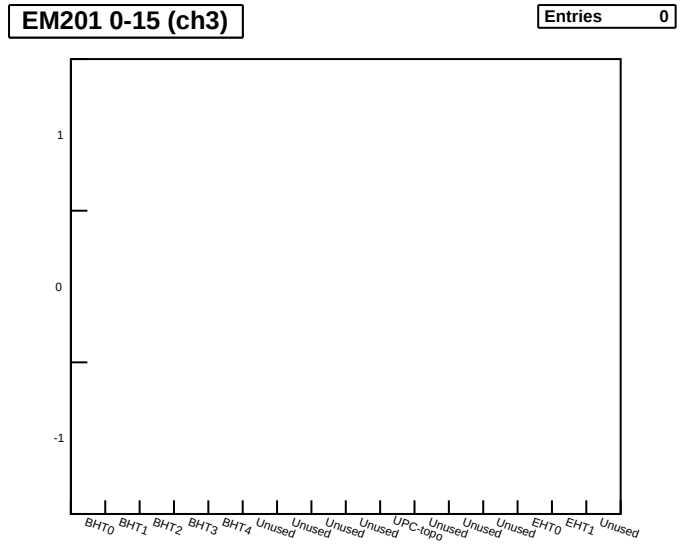

TF201 0-15 (ch0)
Entries 9584784
1
0
599049
599049
599049
599049
528448
510638
392627
492449
491346
487181
599049
599049
599049
599049
599049
10565
70601
88411
206422
599049
106600
107703
111868
599049
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 9584784
1
0
150212
378857
500705
432131
568325
586633
810
9686
11077
226
539540
580543
258340
314912
454197
448837
220182
98344
166918
10724
12416
598239
589363
587972
588823
599049
59509
18506
340709
284137
144852
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 9584784
1
0
599049
599049
599049
599049
599049
599049
599049
599049
599049
599049
599049
599049
599049
599049
599049
599049
599049
599049
599049
599049
599049
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