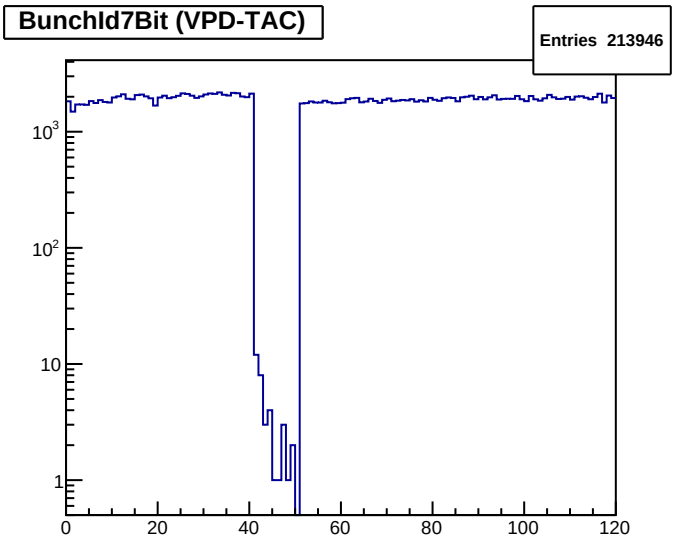
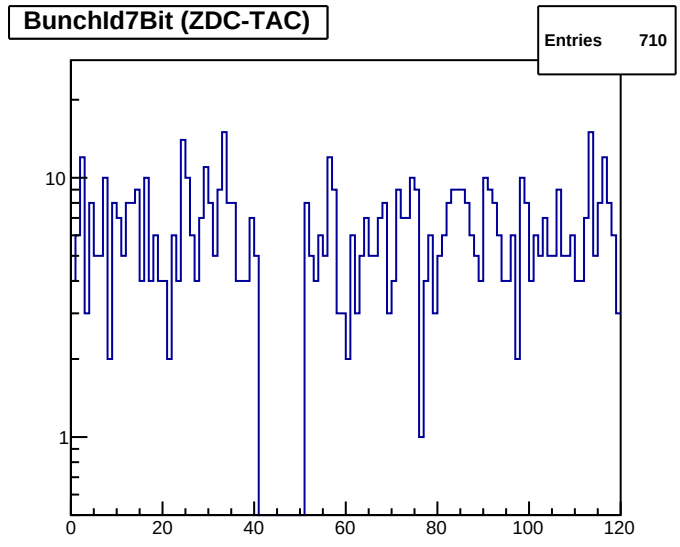
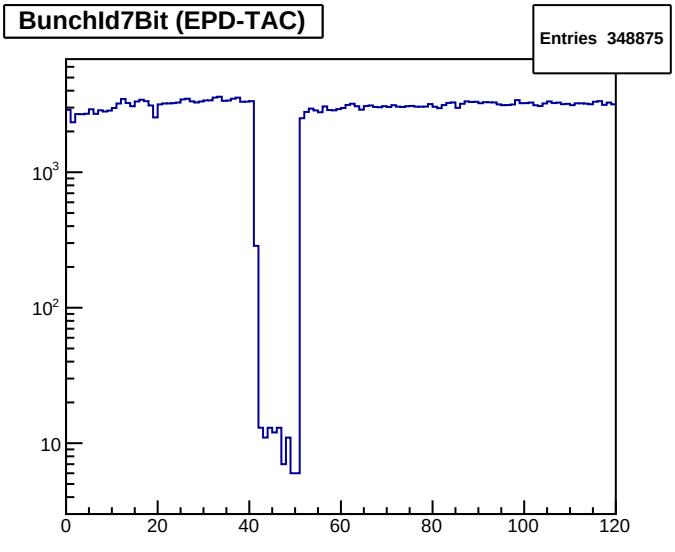
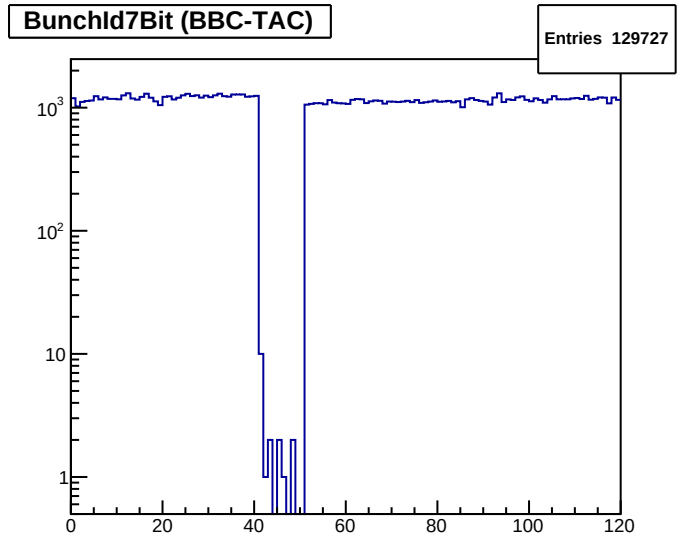
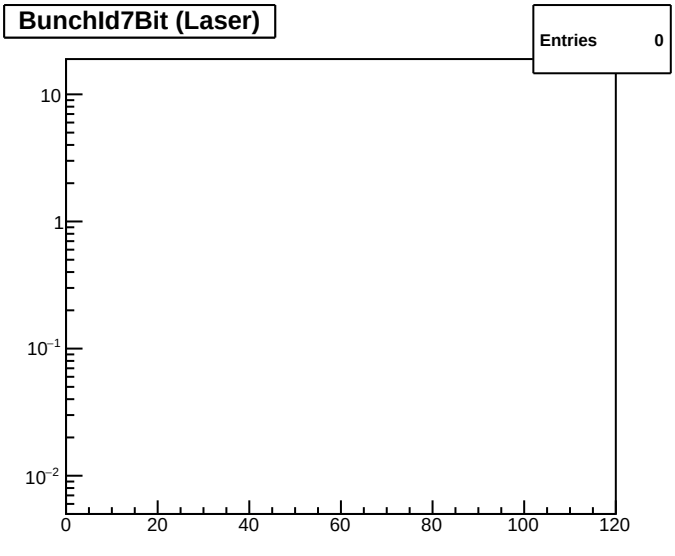
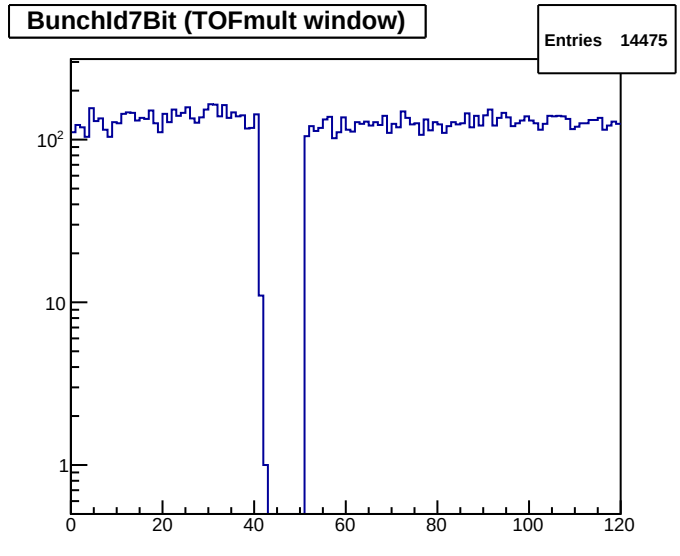

BunchId7Bit (VPD-TAC)
Entries 213946

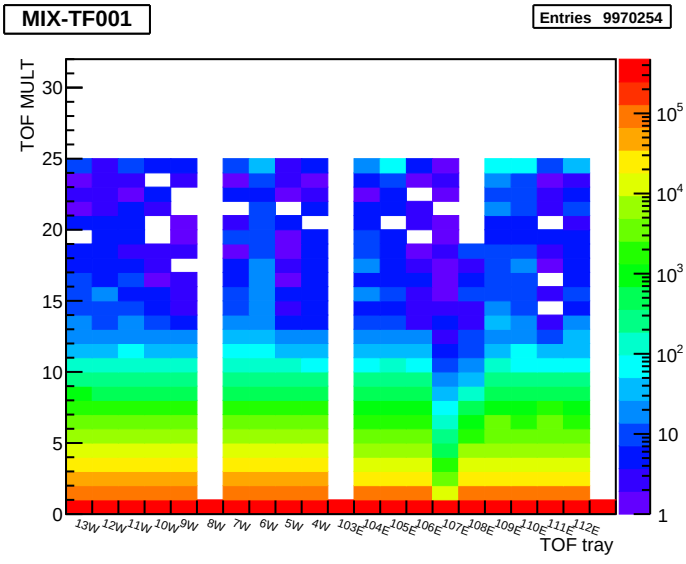

BunchId7Bit (ZDC-TAC)
Entries 710

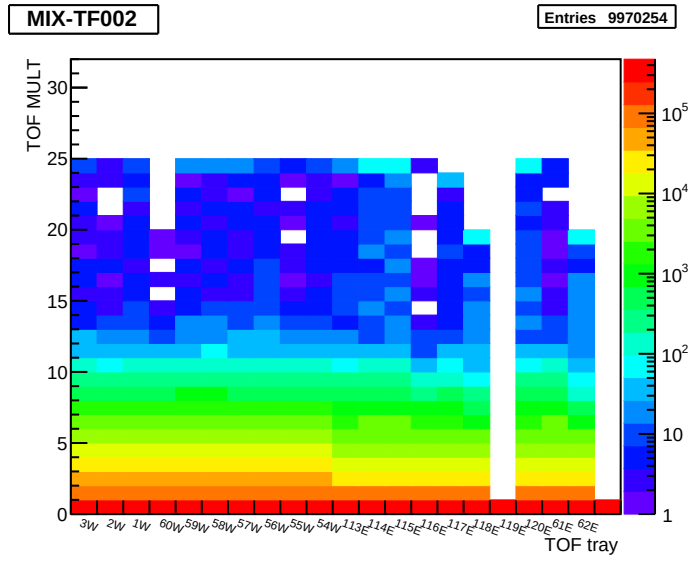

BunchId7Bit (EPD-TAC)
Entries 348875

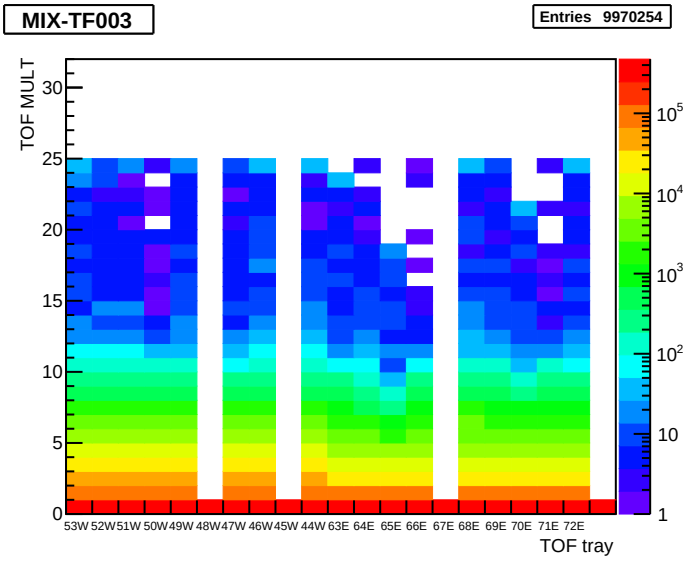

BunchId7Bit (BBC-TAC)
Entries 129727

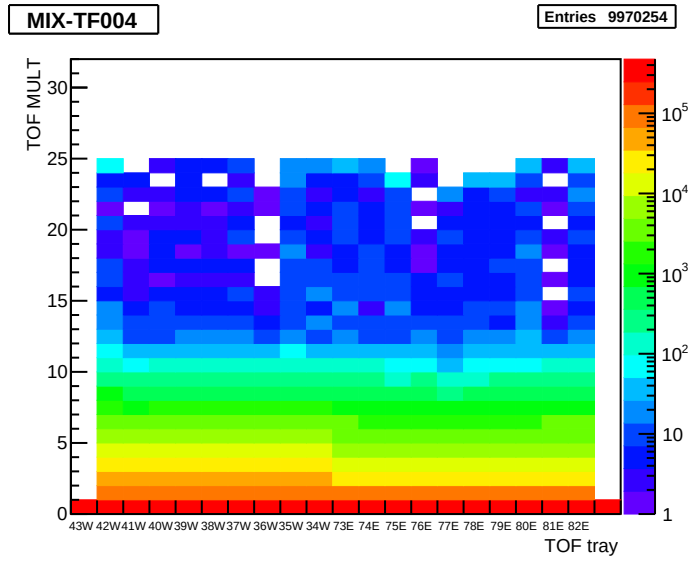

BunchId7Bit (Laser)
Entries 0

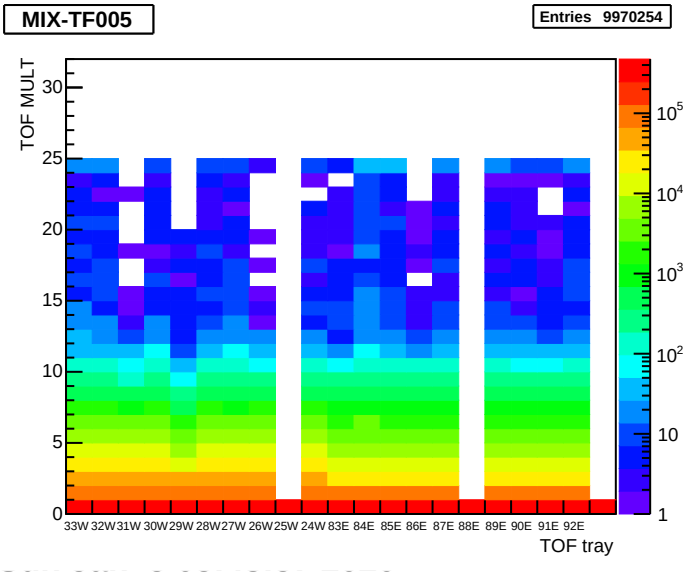

BunchId7Bit (TOFmult window)
Entries 14475

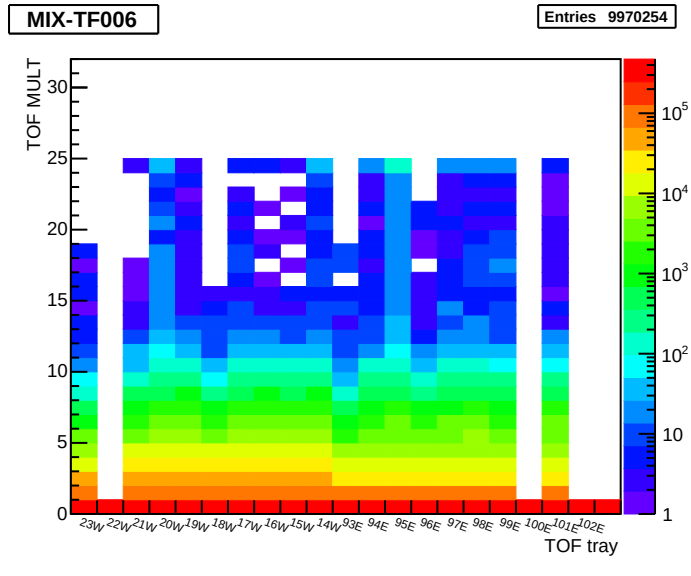

MIX-TF001
Entries 9970254
TOF MULT
TOF tray

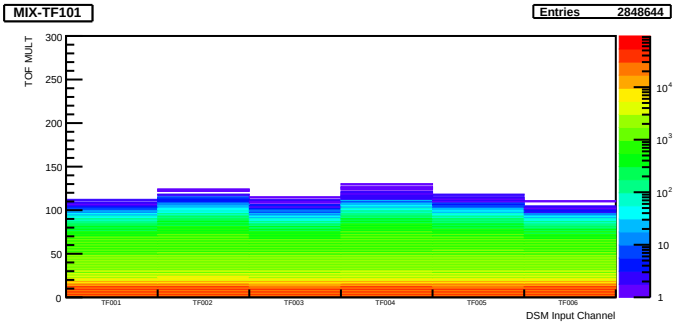

MIX-TF002
Entries 9970254
TOF MULT
TOF tray

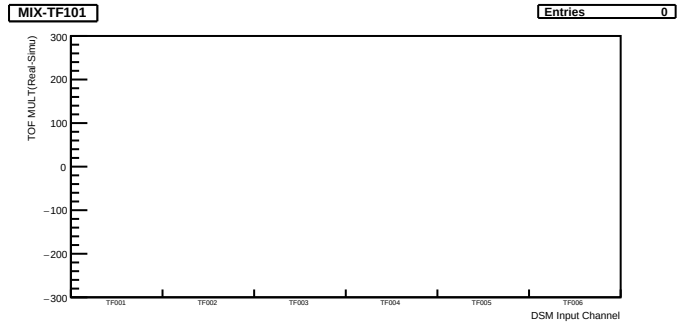

MIX-TF003
Entries 9970254
TOF MULT
TOF tray

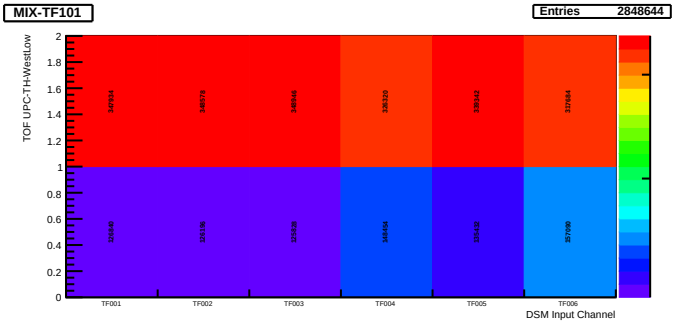

MIX-TF004
Entries 9970254
TOF MULT
TOF tray

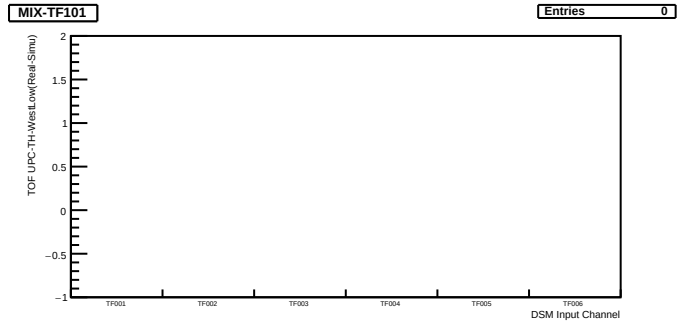

MIX-TF005
Entries 9970254
TOF MULT
TOF tray

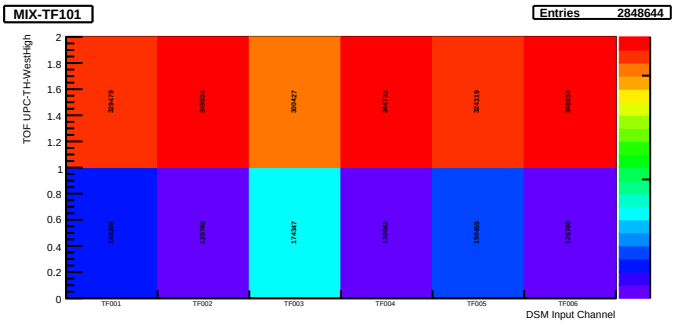

MIX-TF006
Entries 9970254
TOF MULT
TOF tray

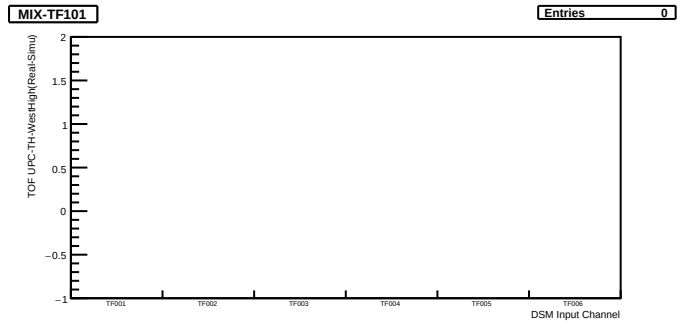

MIX-TF101
Entries 2848644
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

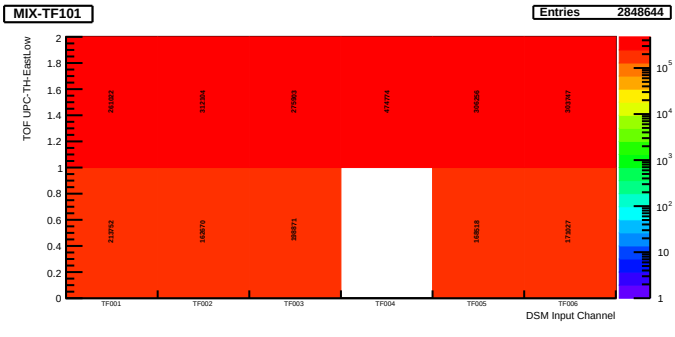

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

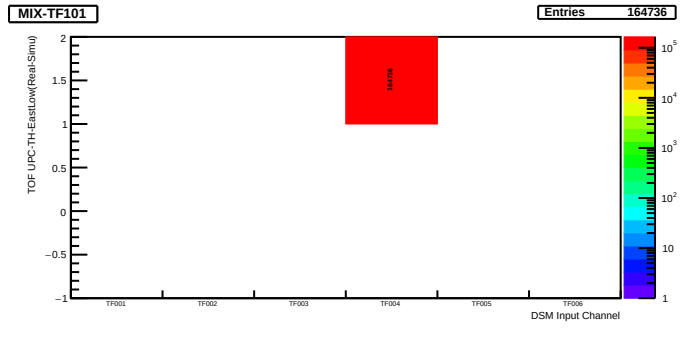

MIX-TF101
Entries 2848644
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

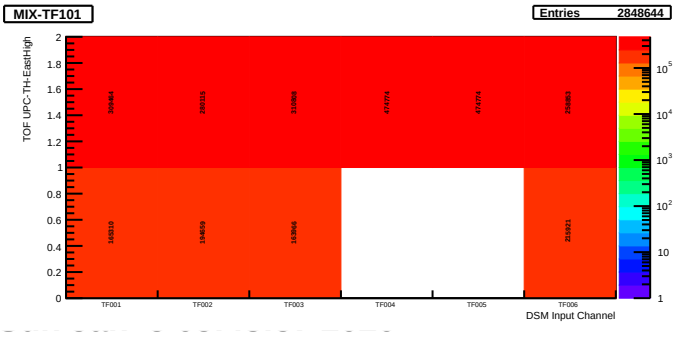

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

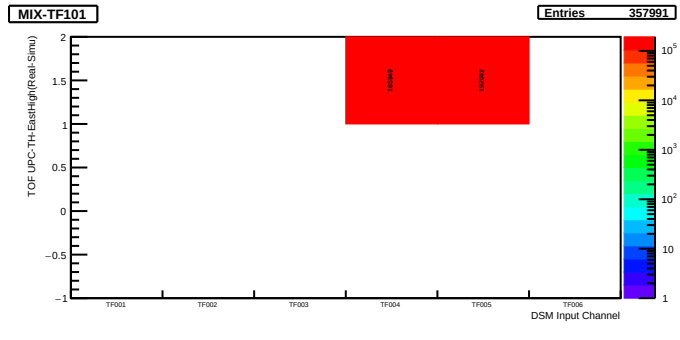

MIX-TF101
Entries 2848644
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

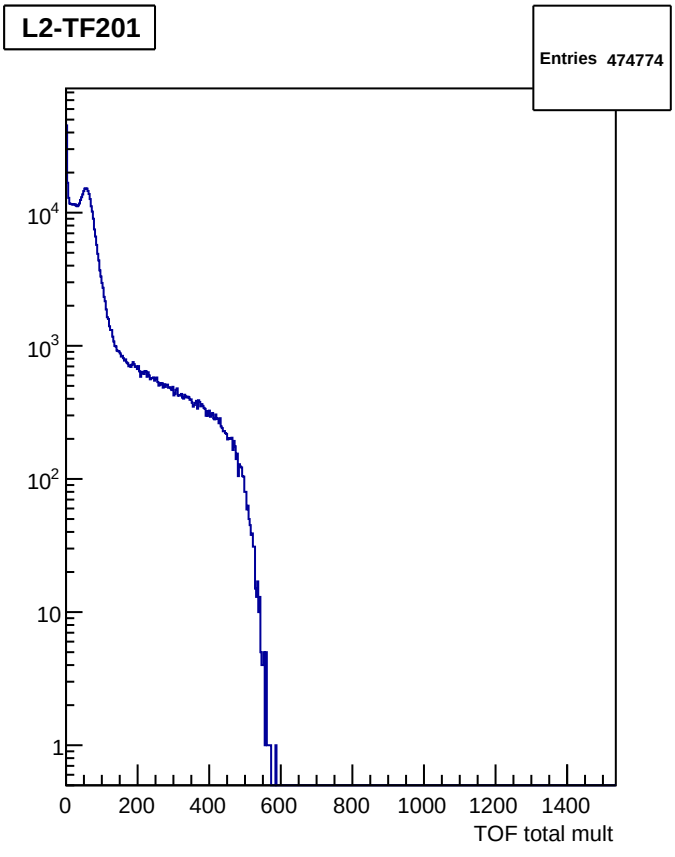

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

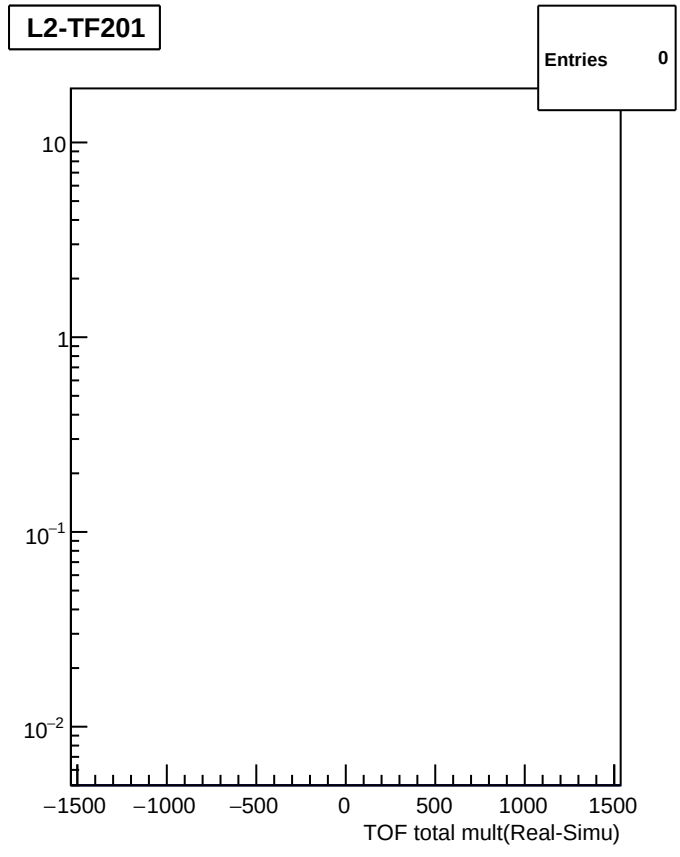

MIX-TF101
Entries 2848644
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

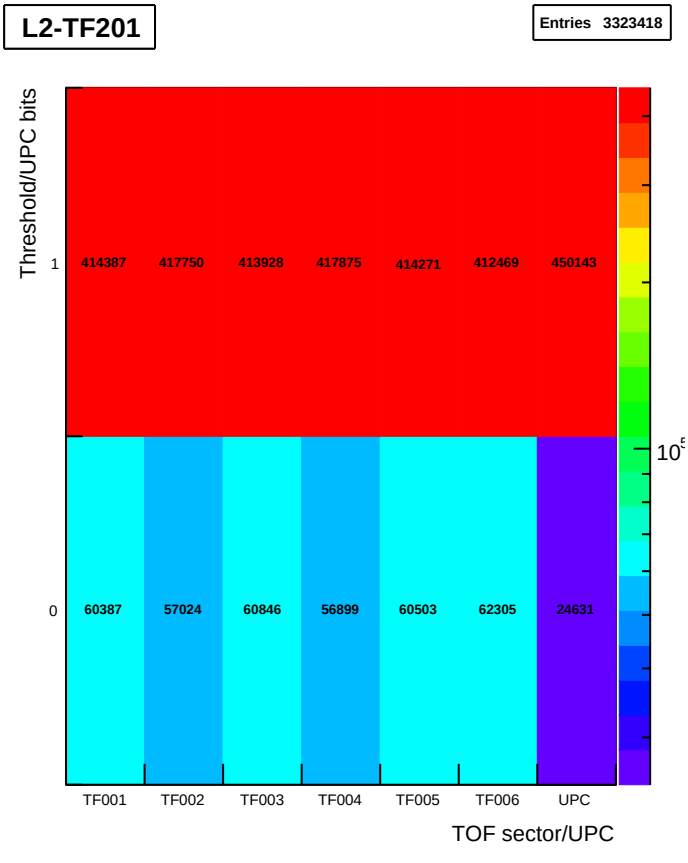

MIX-TF101
Entries 164736
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

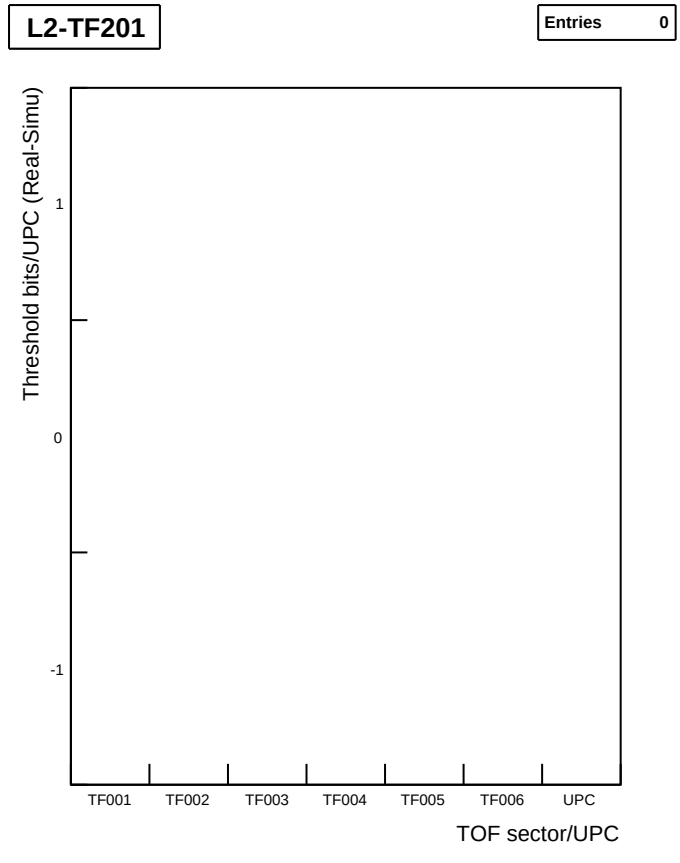

MIX-TF101
Entries 2848644
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

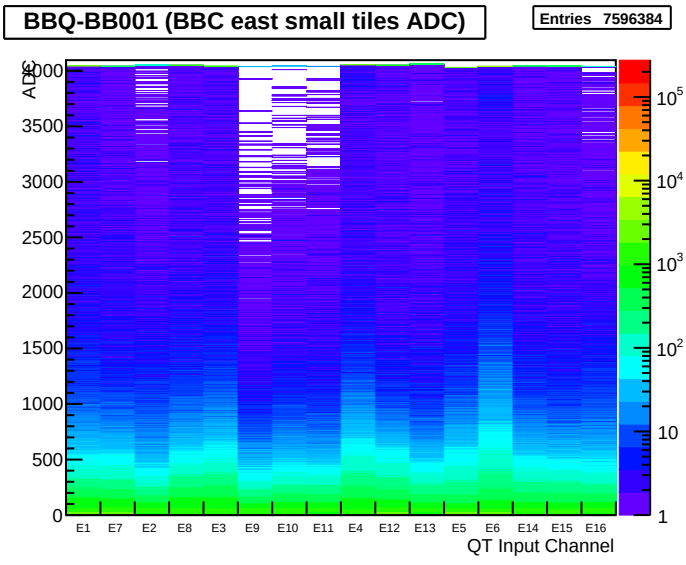

MIX-TF101
Entries 357991
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

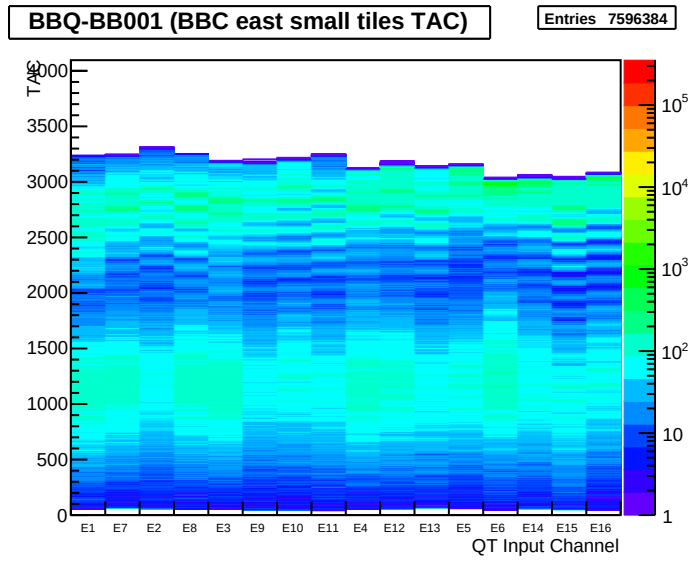

L2-TF201
Entries 474774
TOF total mult

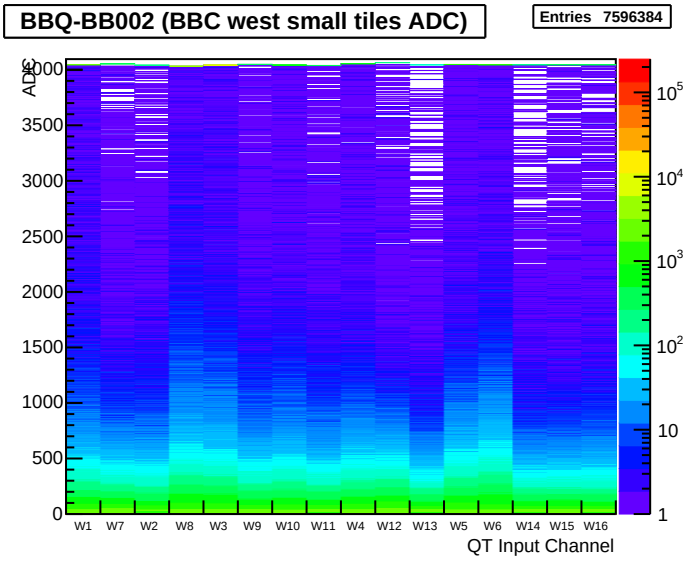

L2-TF201
Entries 0
TOF total mult(Real-Simu)

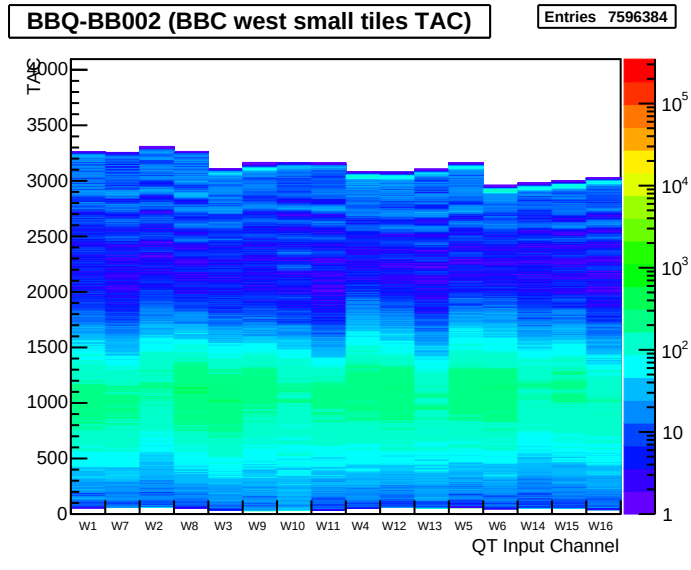

L2-TF201
Entries 3323418
Threshold/UPC bits
414387
417750
413928
417875
414271
412469
450143
60387
57024
60846
56899
60503
62305
24631
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

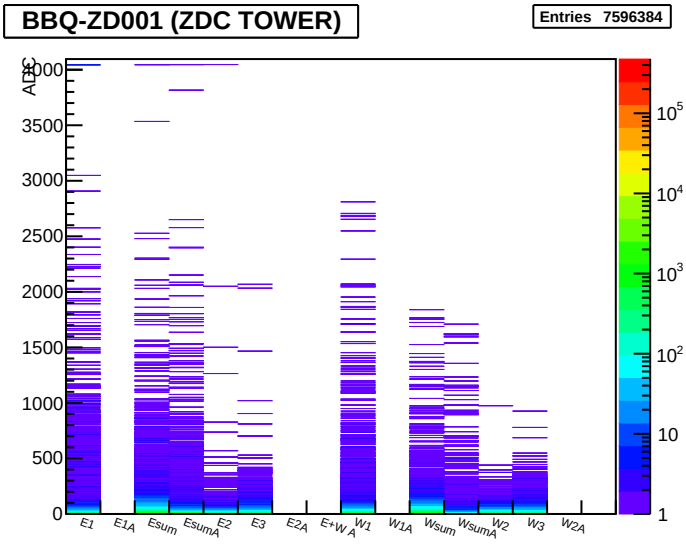

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

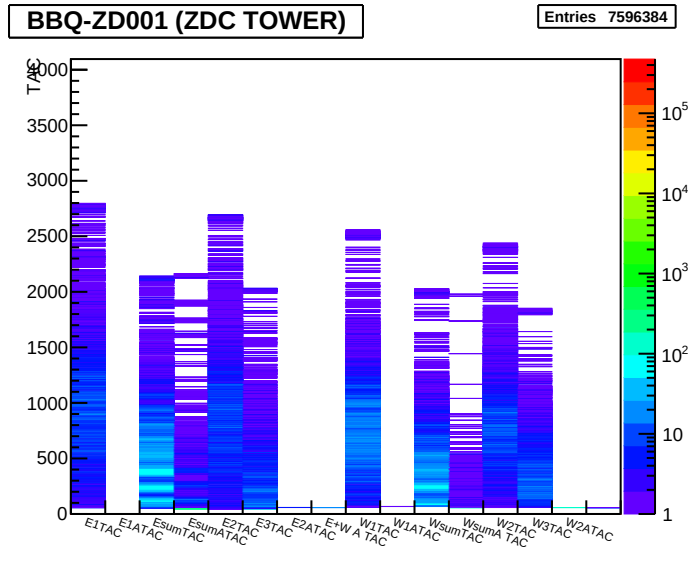

BBQ-BB001 (BBC east small tiles ADC)
Entries 7596384
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

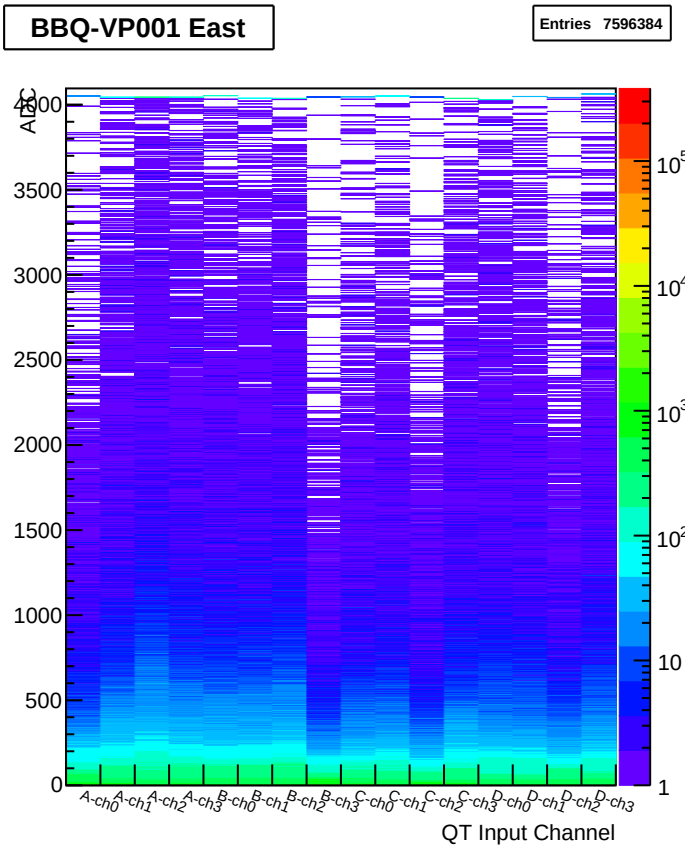

BBQ-BB001 (BBC east small tiles TAC)
Entries 7596384
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

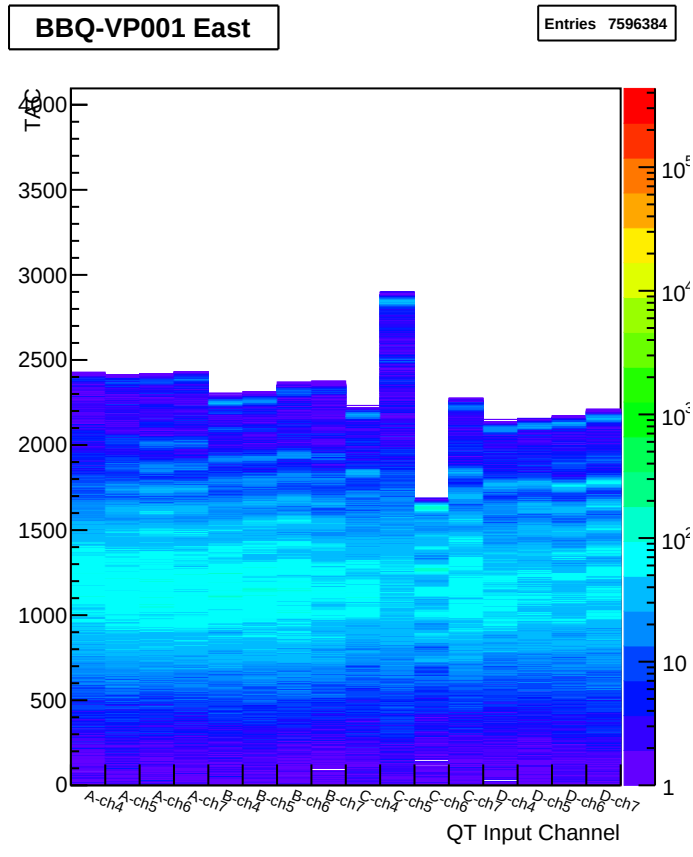

BBQ-BB002 (BBC west small tiles ADC)
Entries 7596384
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

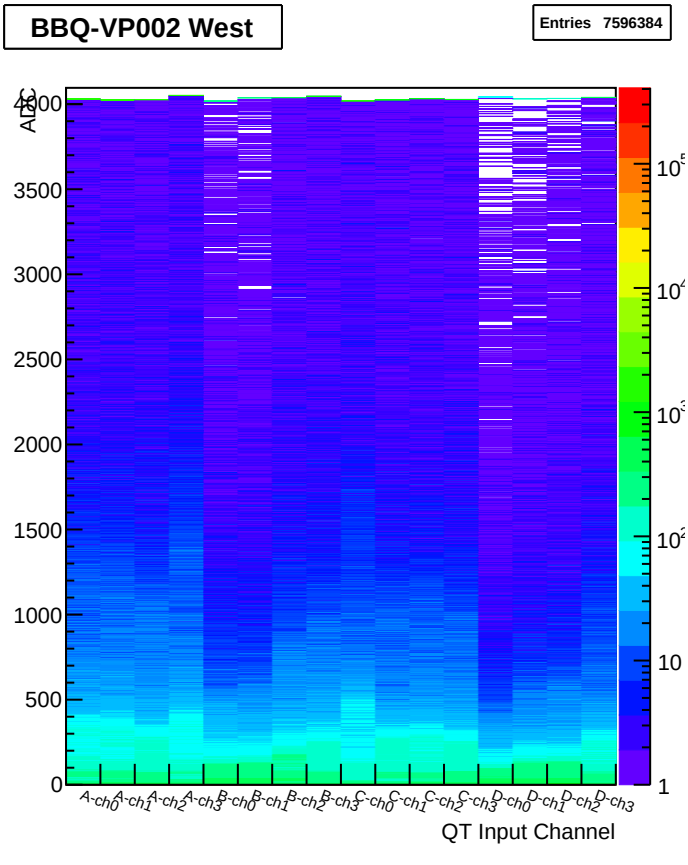

BBQ-BB002 (BBC west small tiles TAC)
Entries 7596384
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

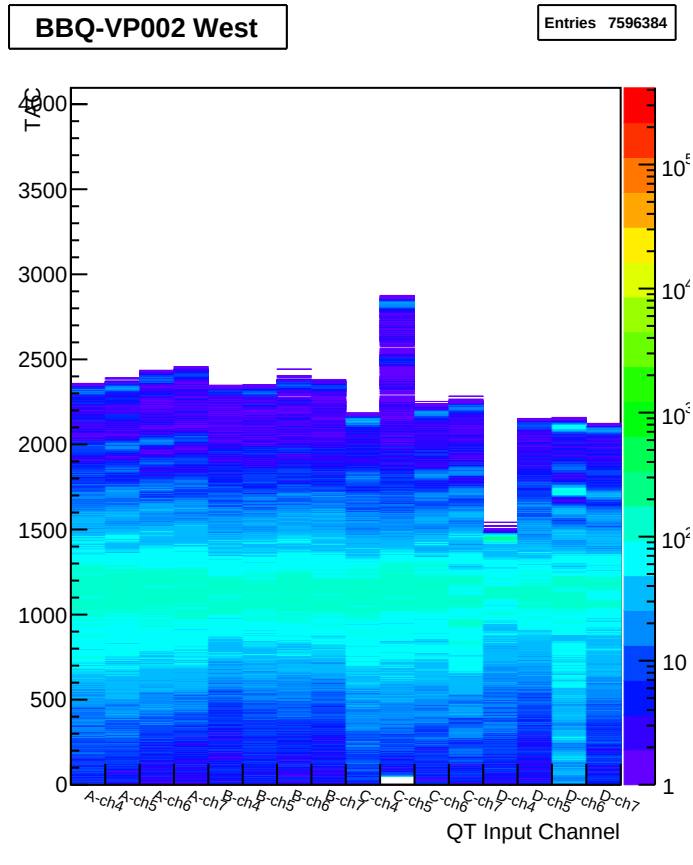

BBQ-ZD001 (ZDC TOWER)
Entries 7596384
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

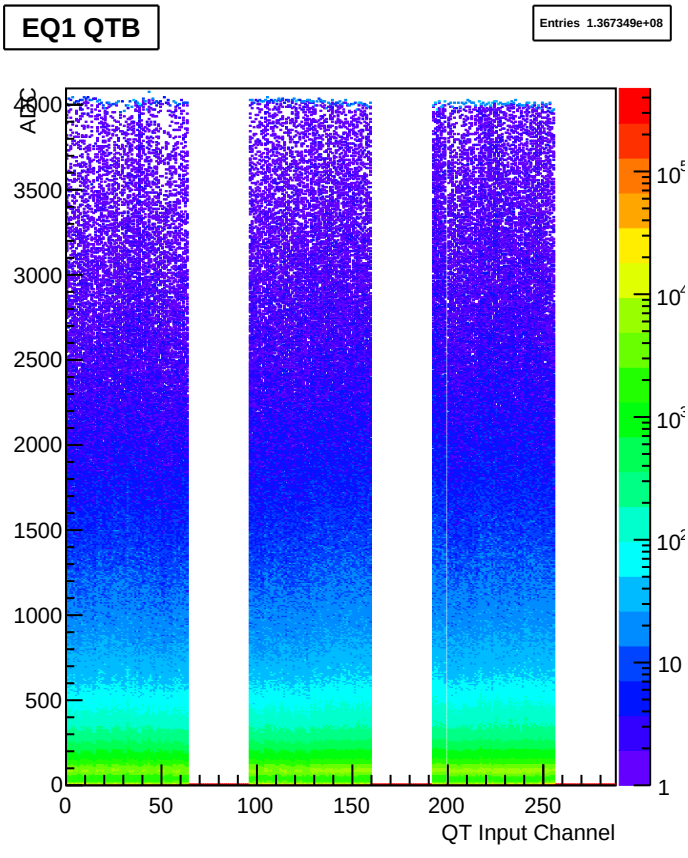

BBQ-ZD001 (ZDC TOWER)
Entries 7596384
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

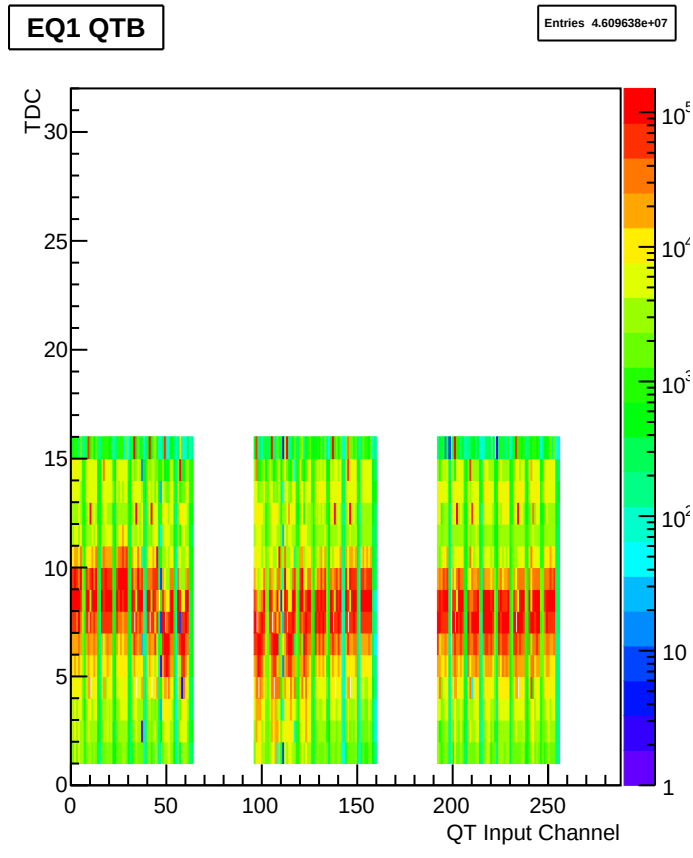

BBQ-VP001 East
Entries 7596384
ADC
QT Input Channel

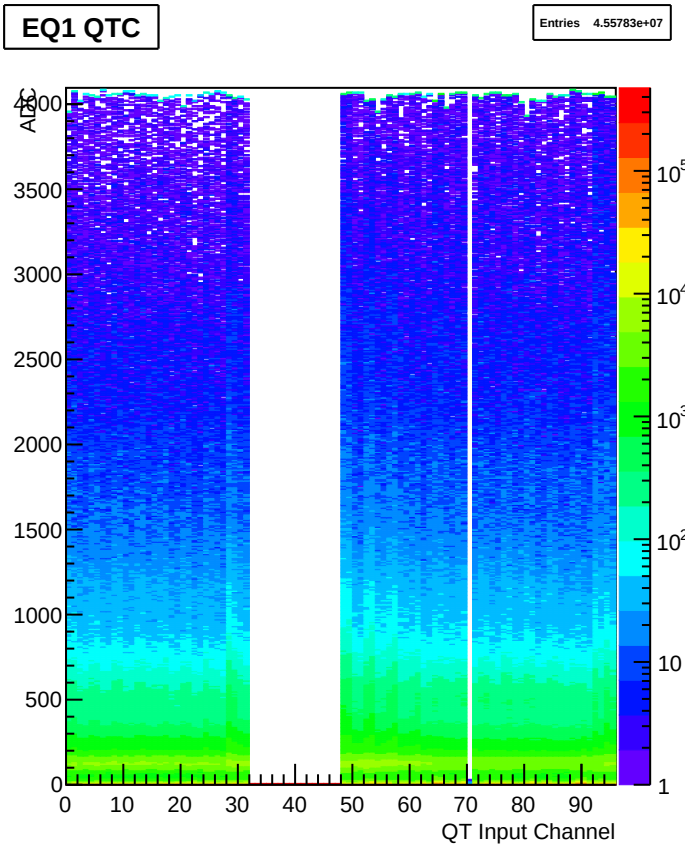

BBQ-VP001 East
Entries 7596384
ADC
QT Input Channel

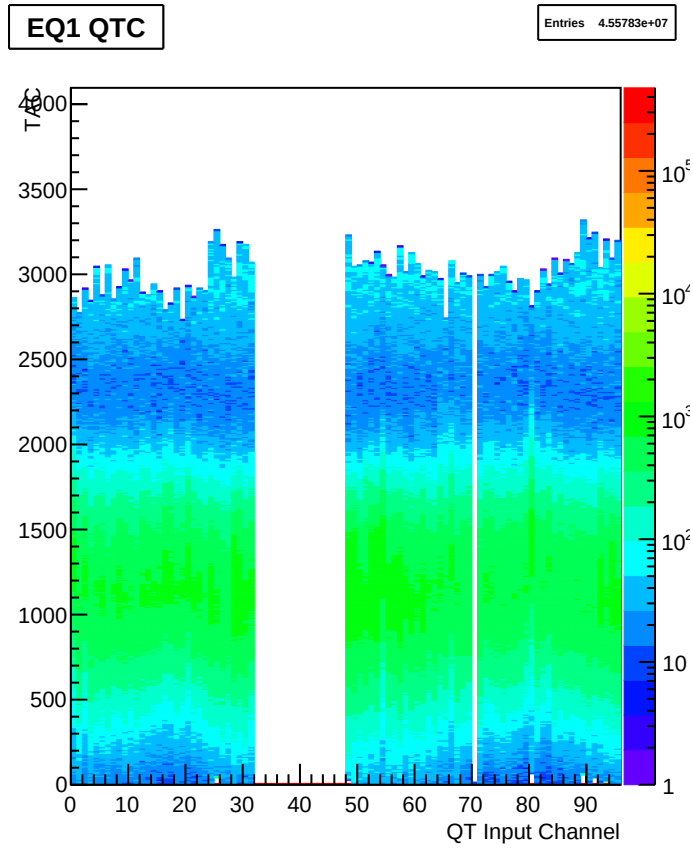

BBQ-VP002 West
Entries 7596384
ADC
QT Input Channel

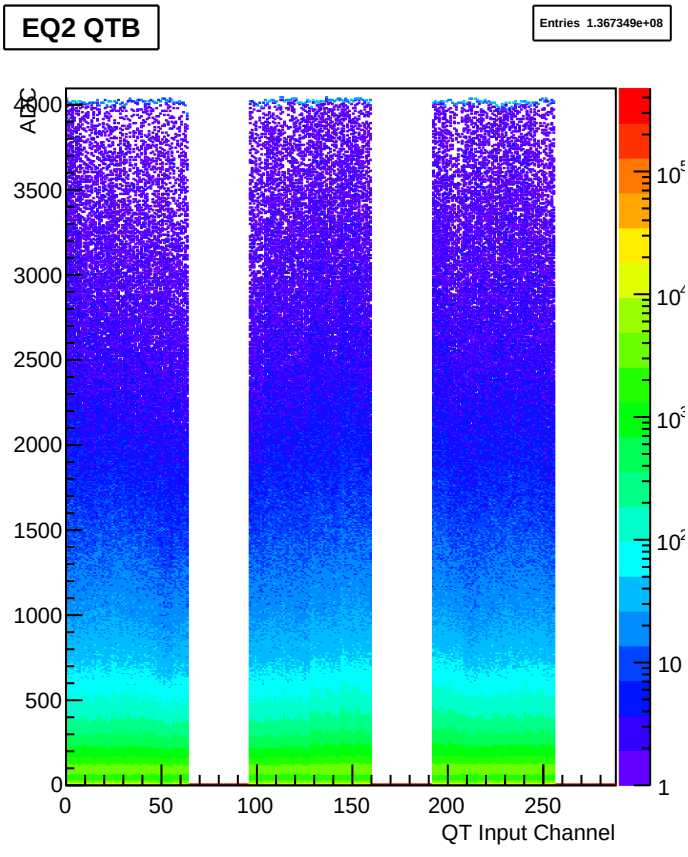

BBQ-VP002 West
Entries 7596384
ADC
QT Input Channel

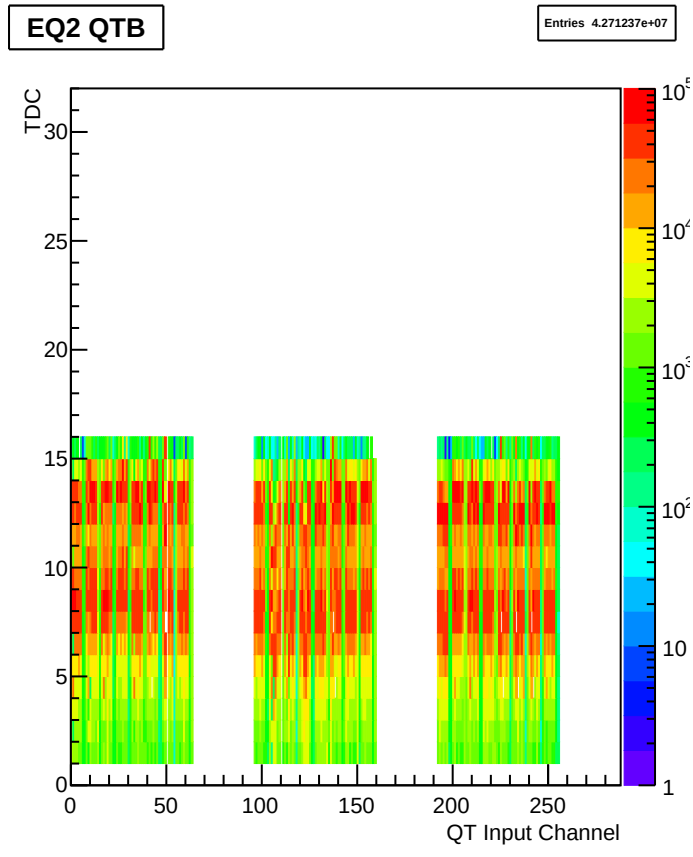

EQ1 QTB
Entries 1.367349e+08
ADC
QT Input Channel

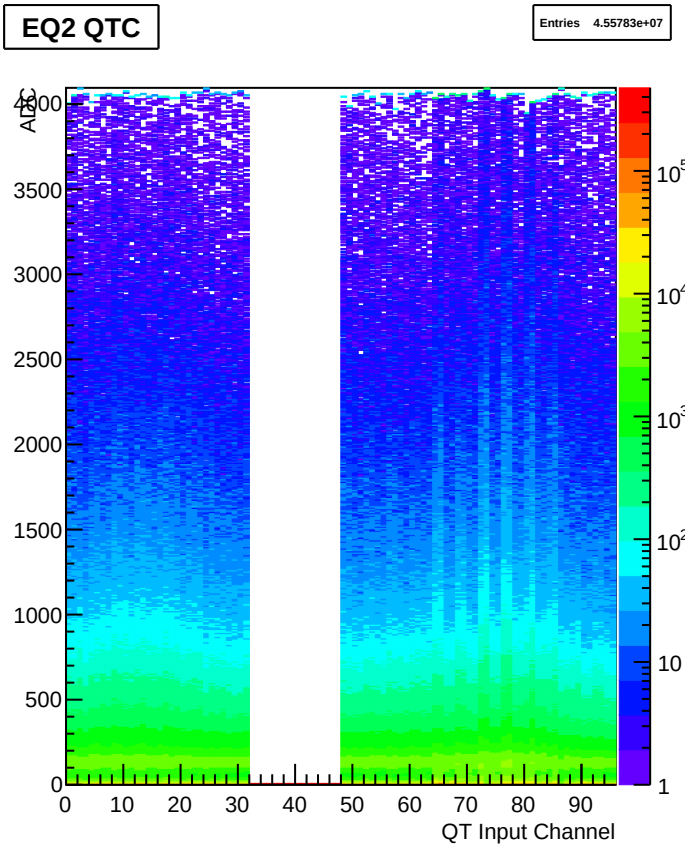

EQ1 QTB
Entries 4.609638e+07
TDC
QT Input Channel

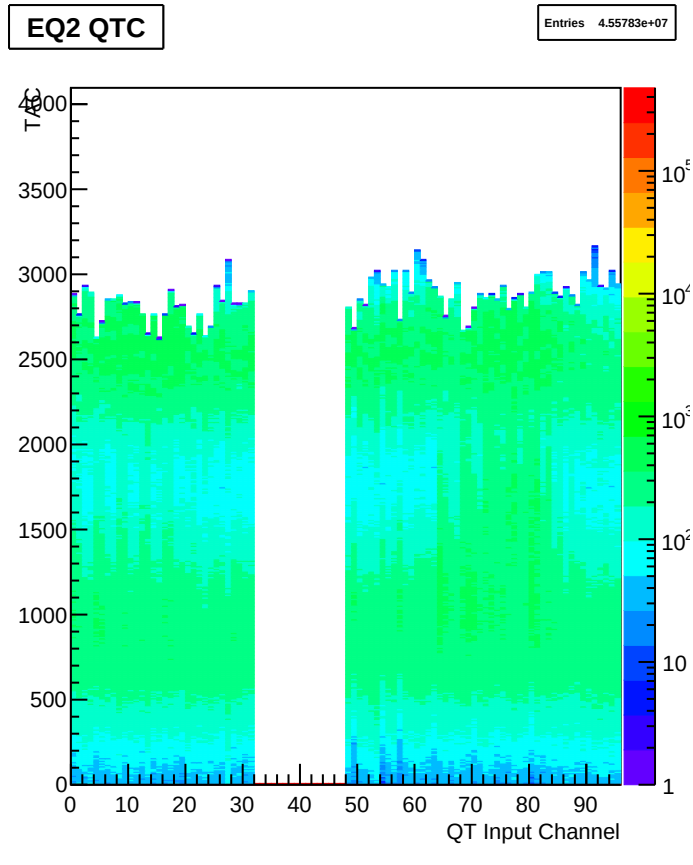

EQ1 QTC
Entries 4.55783e+07
ADC
QT Input Channel

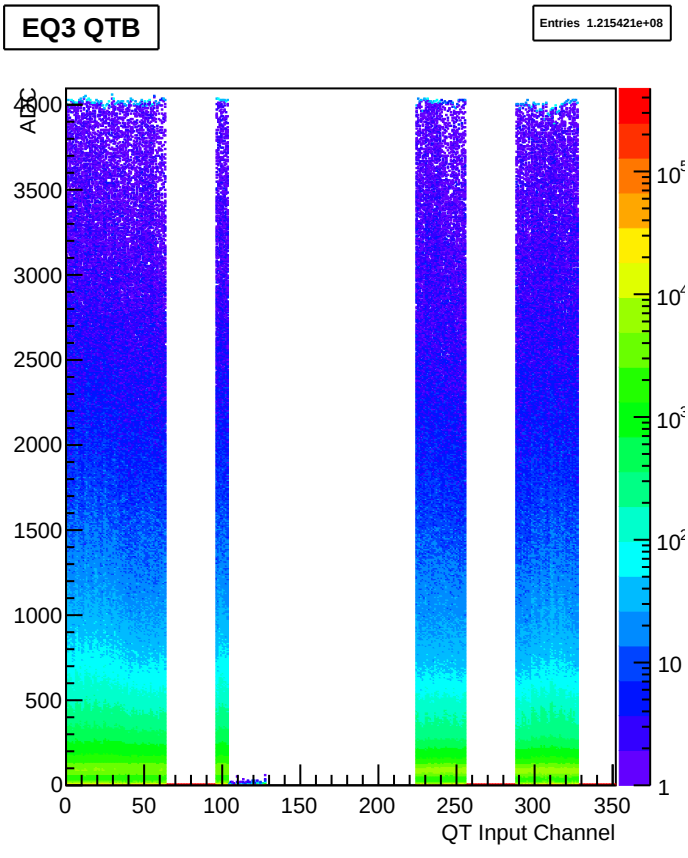

EQ1 QTC
Entries 4.55783e+07
TADC
QT Input Channel

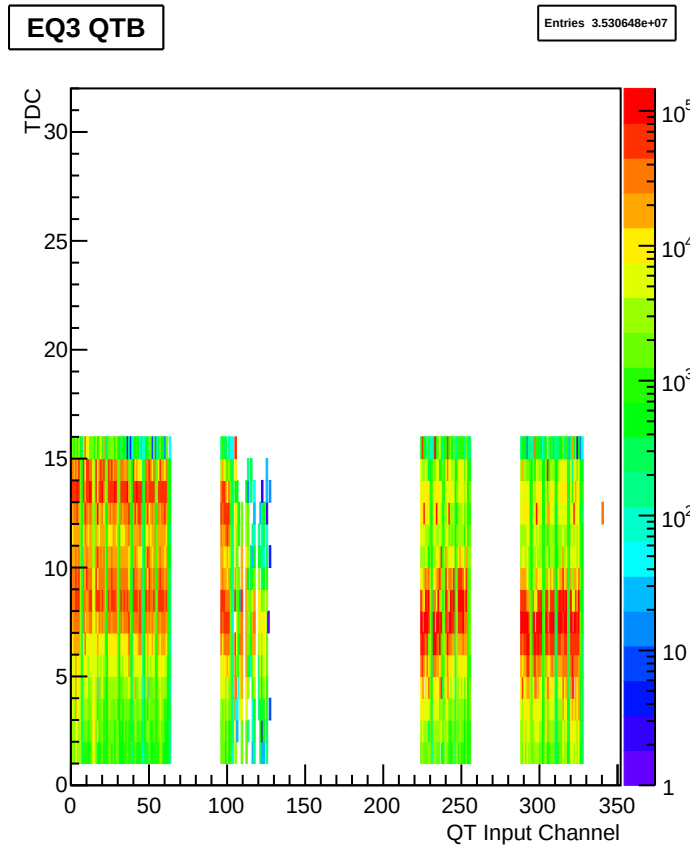

EQ2 QTB
Entries 1.367349e+08
ADC
QT Input Channel

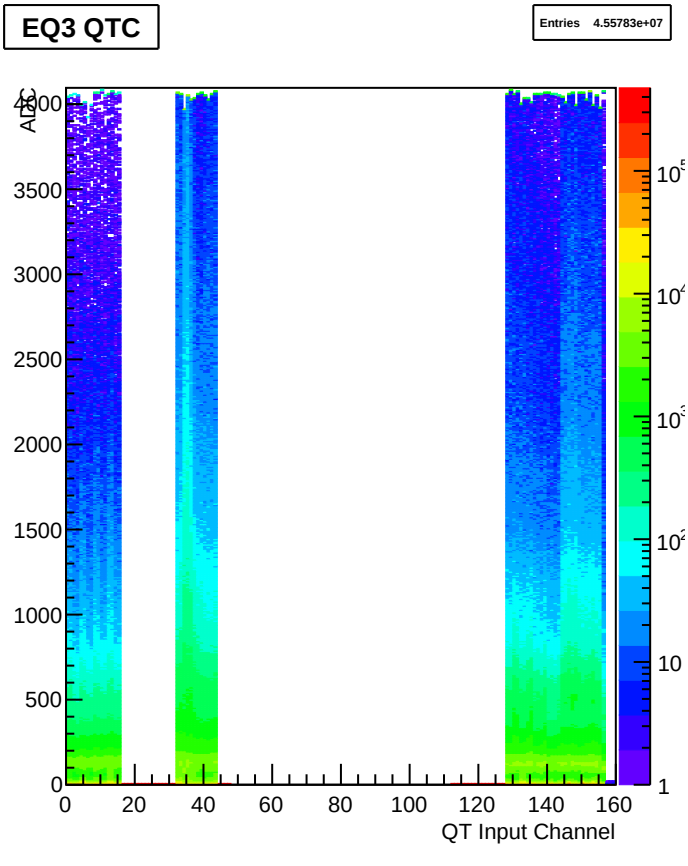

EQ2 QTB
Entries 4.271237e+07
TDC
QT Input Channel

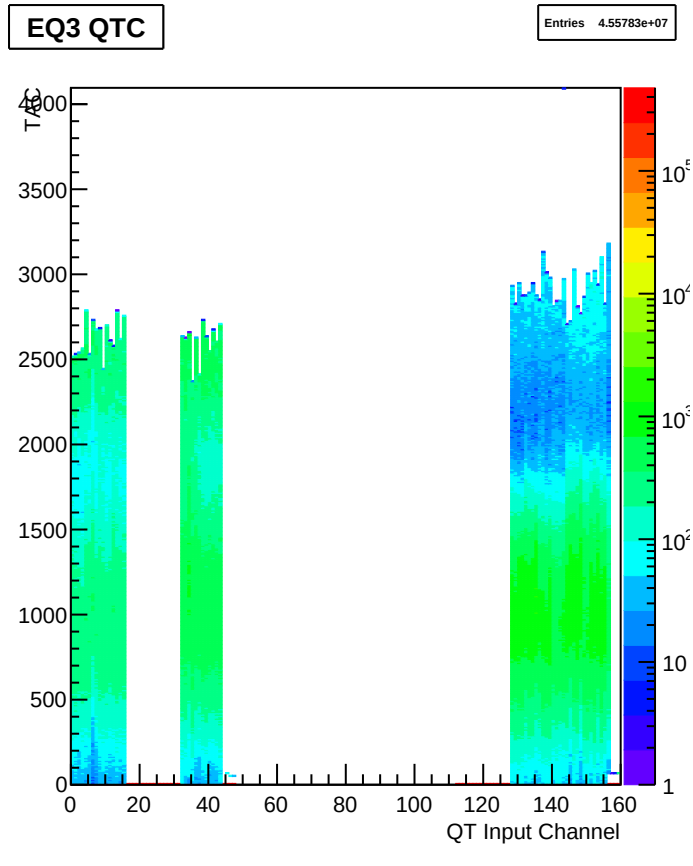

EQ2 QTC
Entries 4.55783e+07
ADC
QT Input Channel

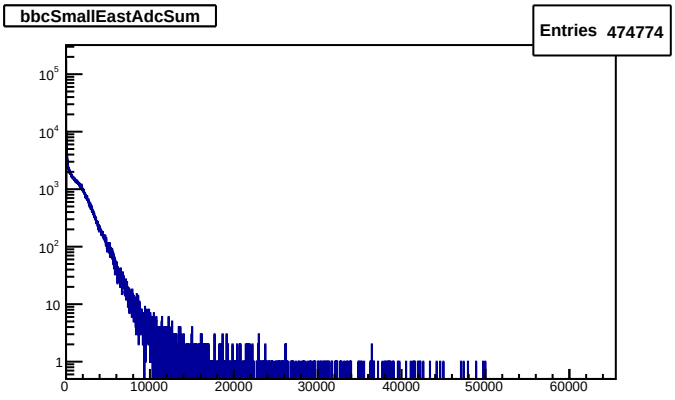

EQ2 QTC
Entries 4.55783e+07
TADC
QT Input Channel

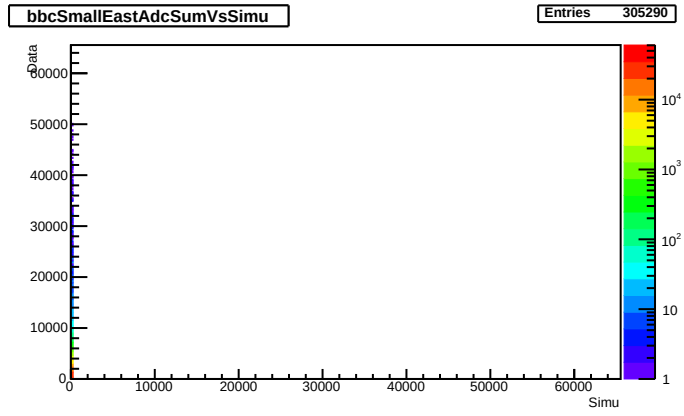

EQ3 QTB
Entries 1.215421e+08
ADC
QT Input Channel

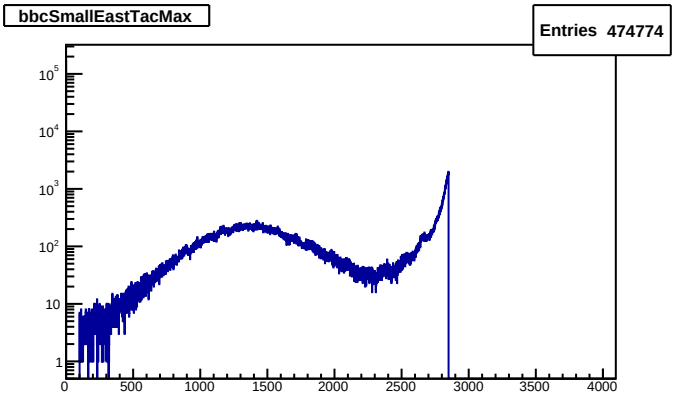

EQ3 QTB
Entries 3.530648e+07
TDC
QT Input Channel

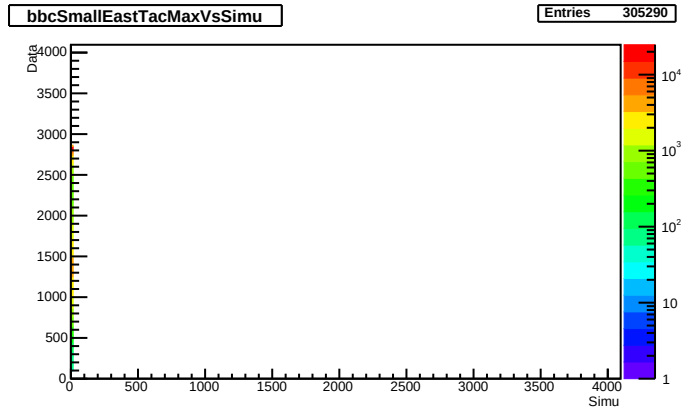

EQ3 QTC
Entries 4.55783e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.55783e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 474774


bbcSmallEastAdcSumVsSimu
Entries 305290
Data
Simu


bbcSmallEastTacMax
Entries 474774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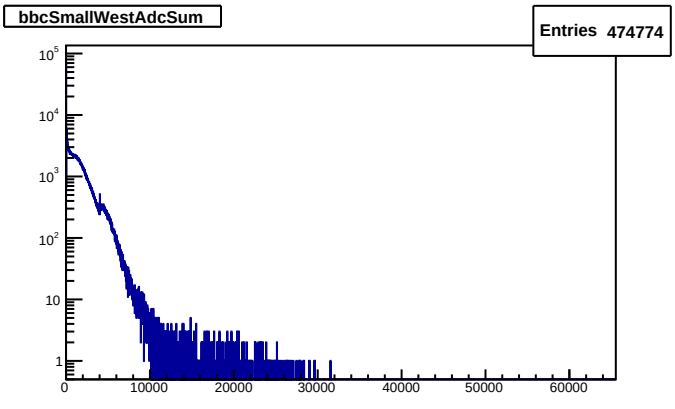
Entries 305290
Data
Simu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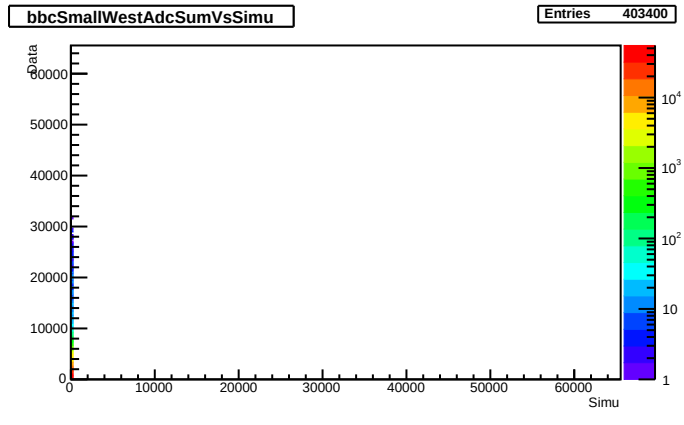
Entries 474774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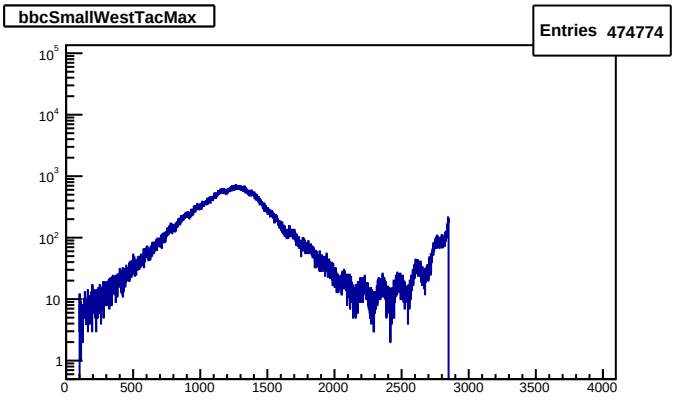
Entries 403400
Data
Simu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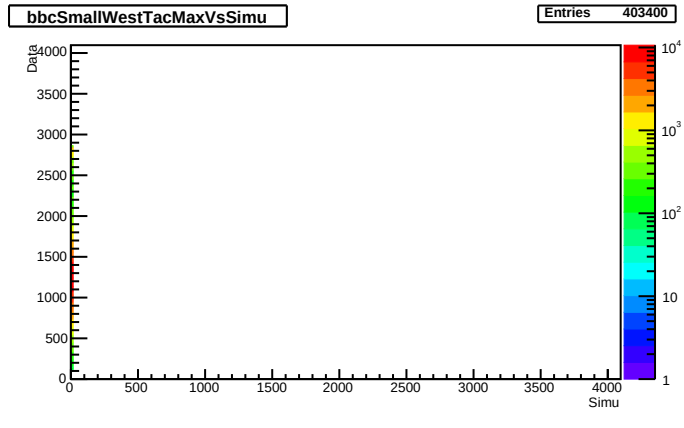
Entries 474774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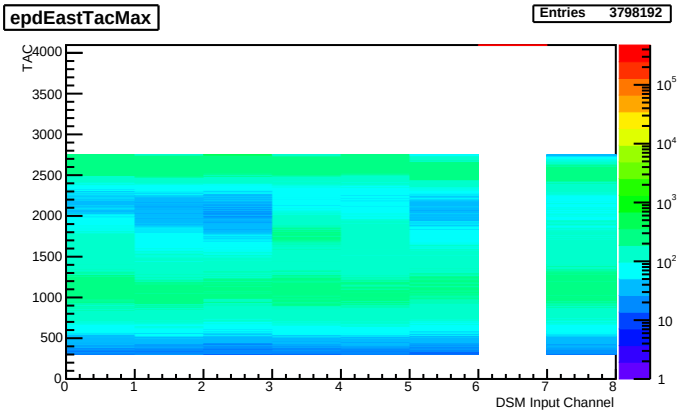
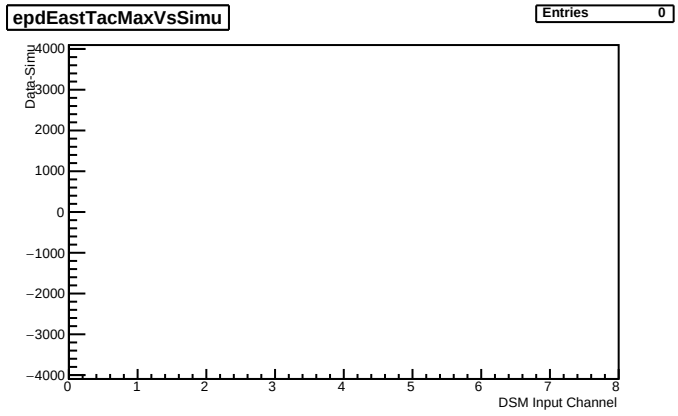
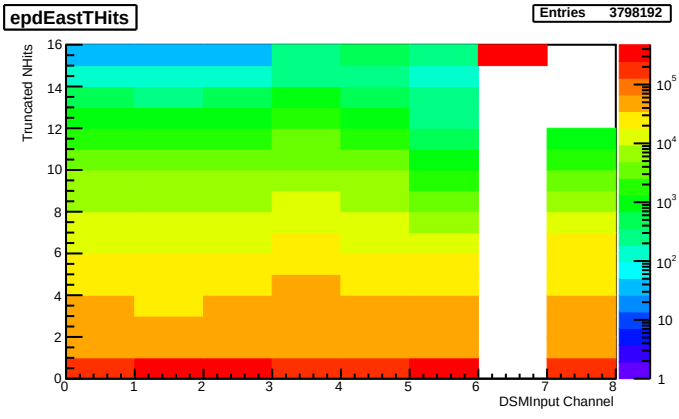
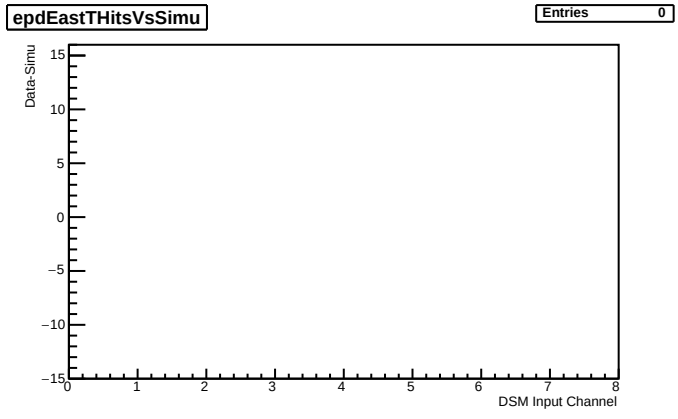
Entries 403400
Data
Simu


epdEastTacMax
Entries 3798192
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3798192
Truncated NHits
DSMInput Channel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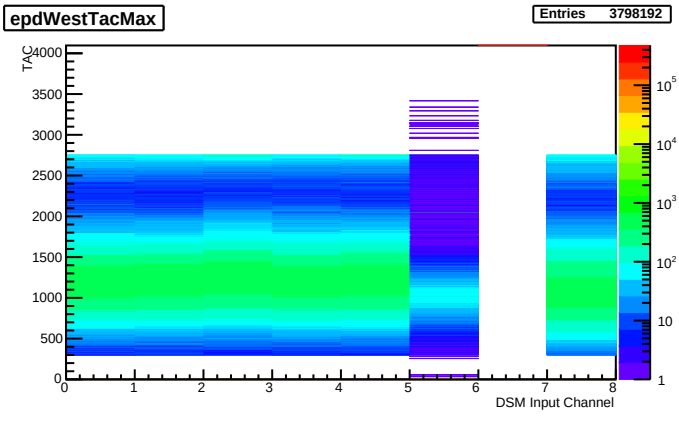
Data-Simu
DSM Input Channel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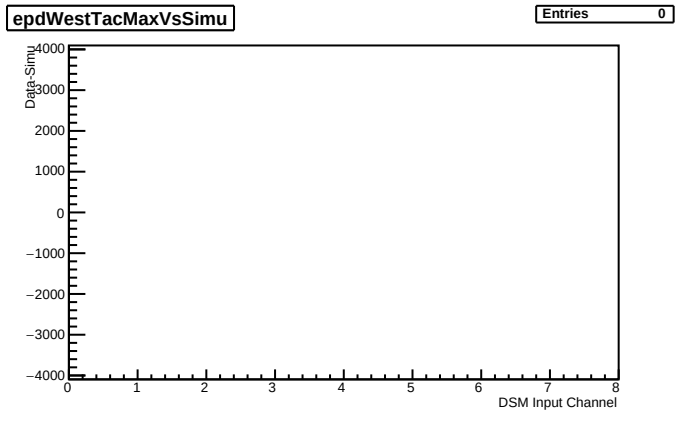
TAC
DSM Input Channel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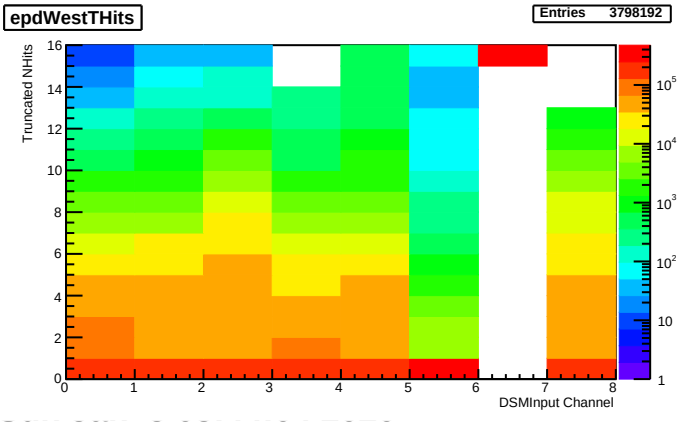
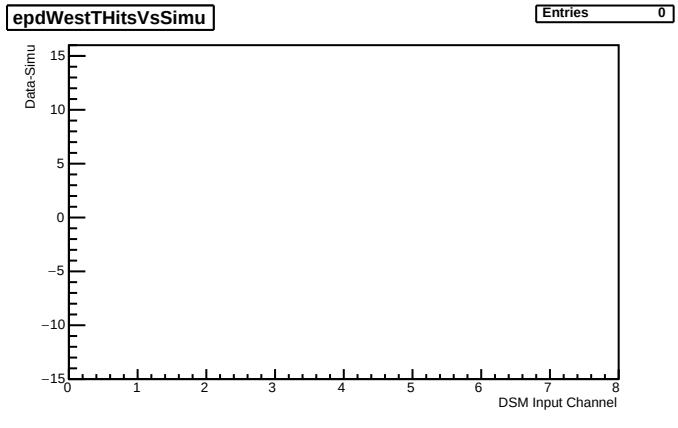
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3798192
Truncated NHits
DSMInput Channel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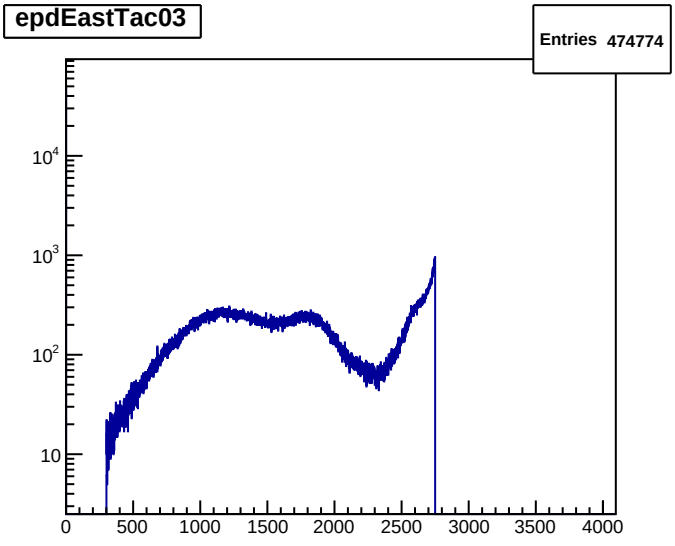
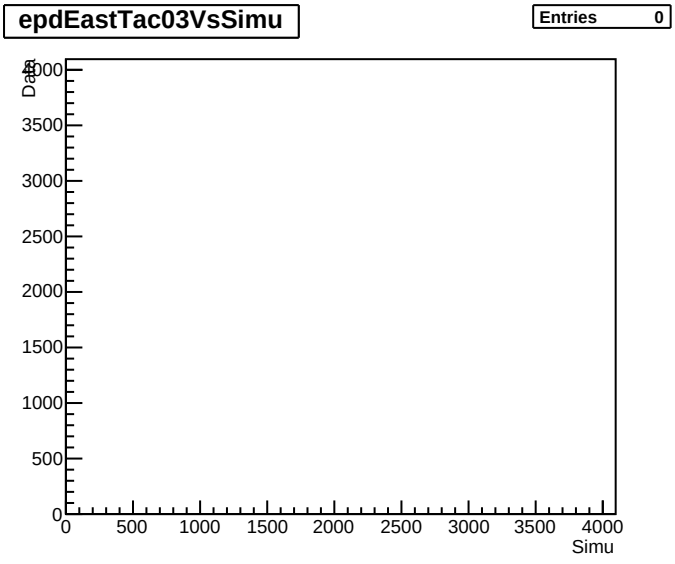
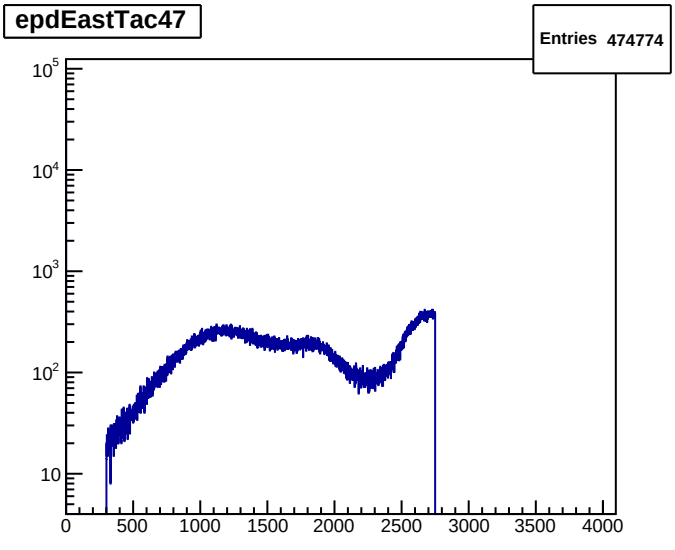
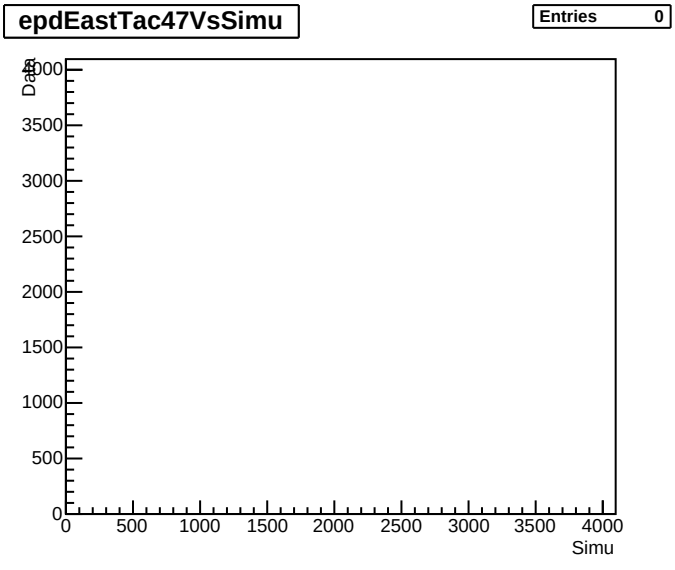
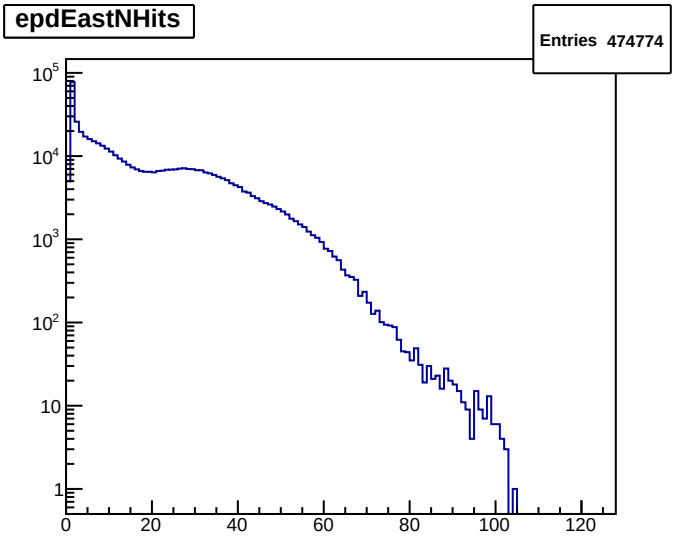
Entries 0
Data-Simu
DSM Input Channel

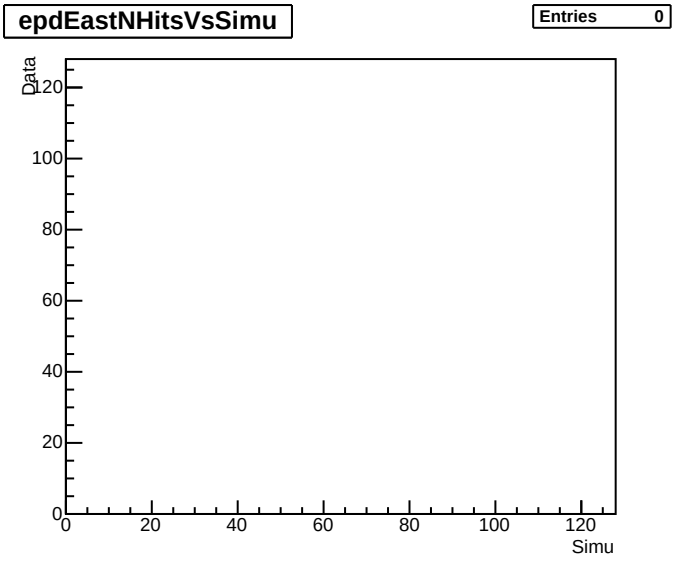

epdEastTac03
Entries 474774


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 474774


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 474774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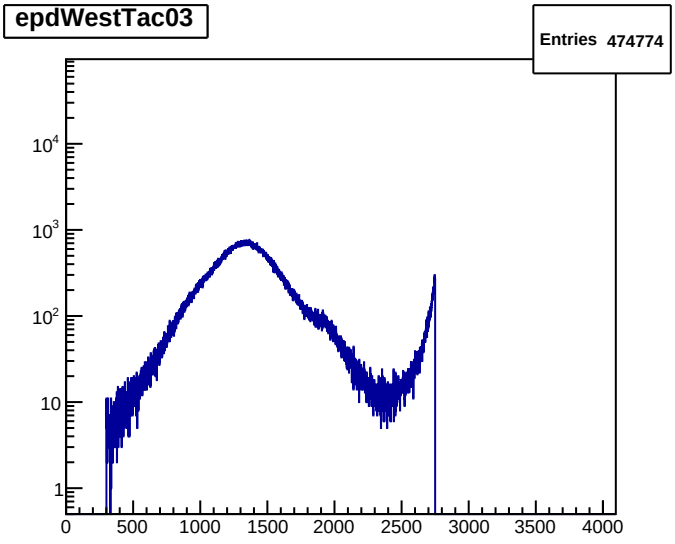
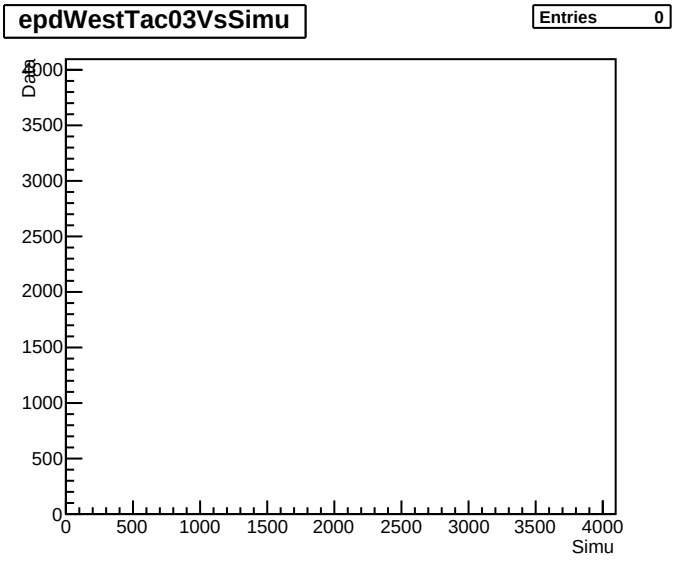
Entries 0
Data
Simu


epdWestTac03
Entries 474774
10^4
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000


epdWestTac03VsSimu
Entries 0
Data
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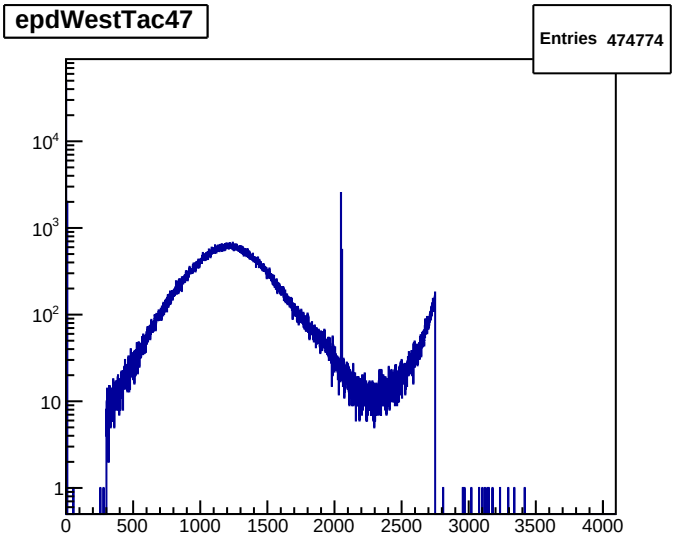
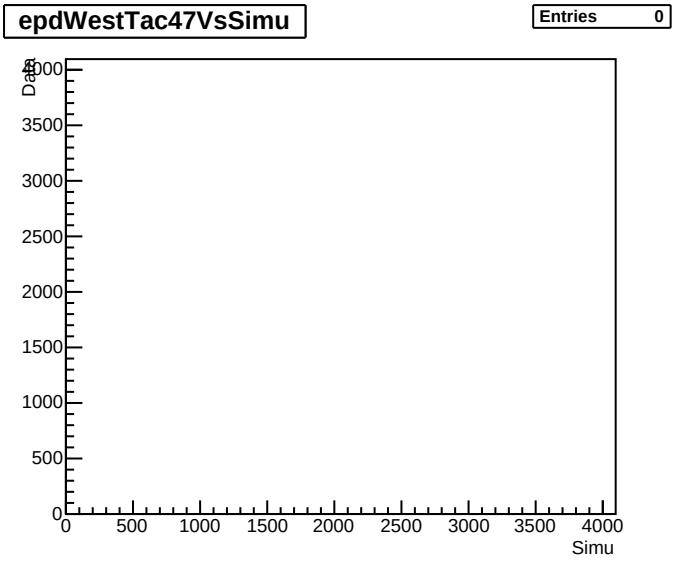
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdWestTac47
Entries 474774
10^4
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000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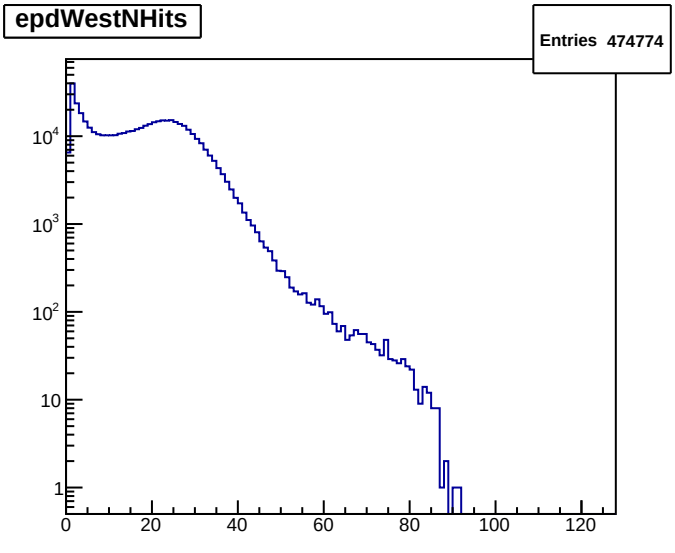
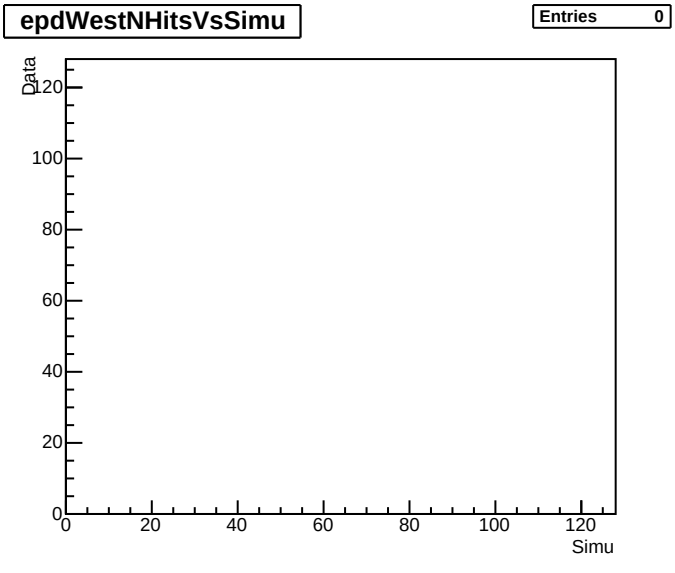
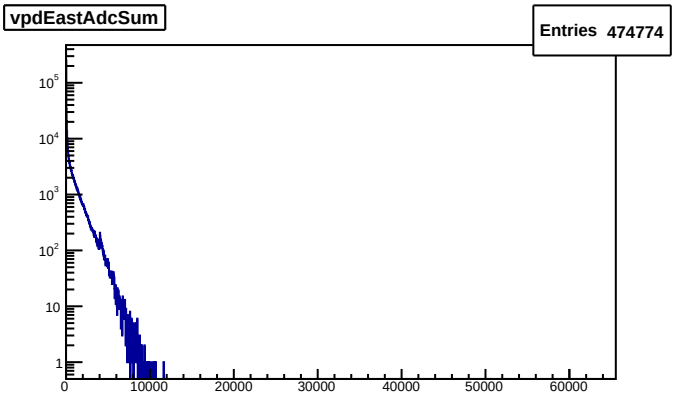
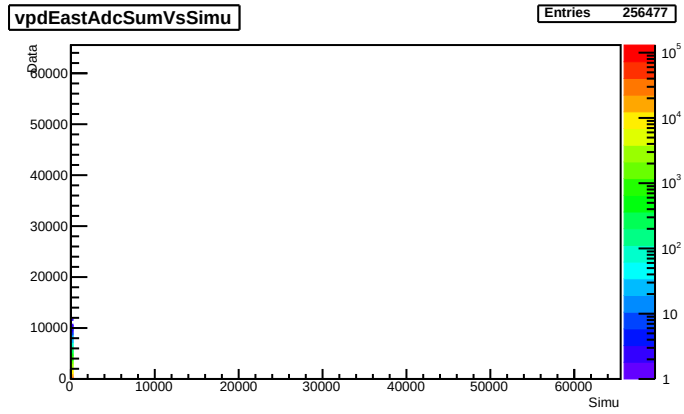
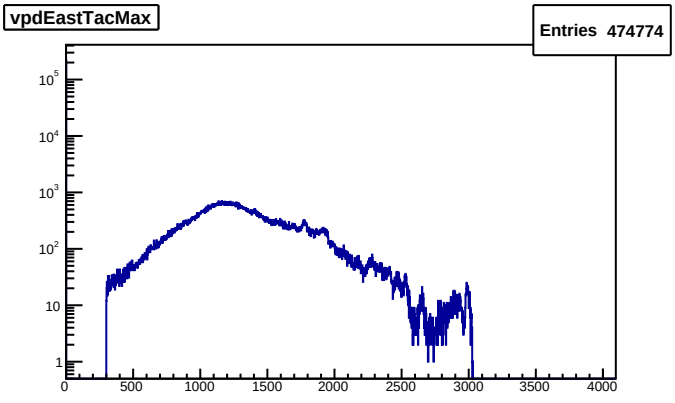
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

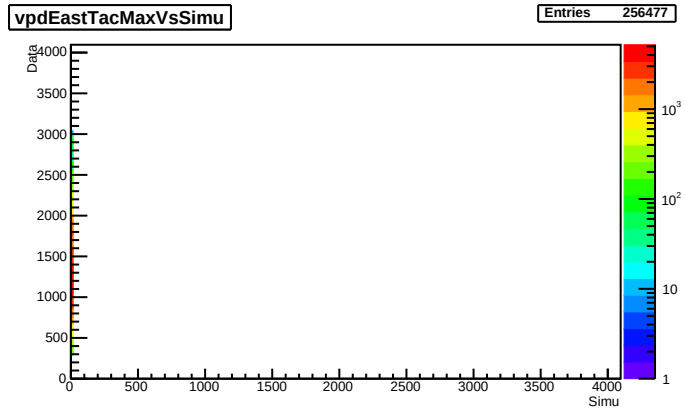

epdWestNHits
Entries 474774
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120

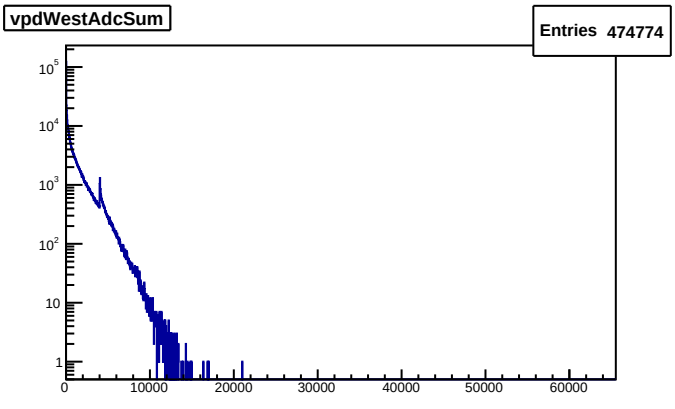

epdWestNHitsVsSimu
Entries 0
Data
120
100
80
60
40
20
0
0 20 40 60 80 100 120
Simu

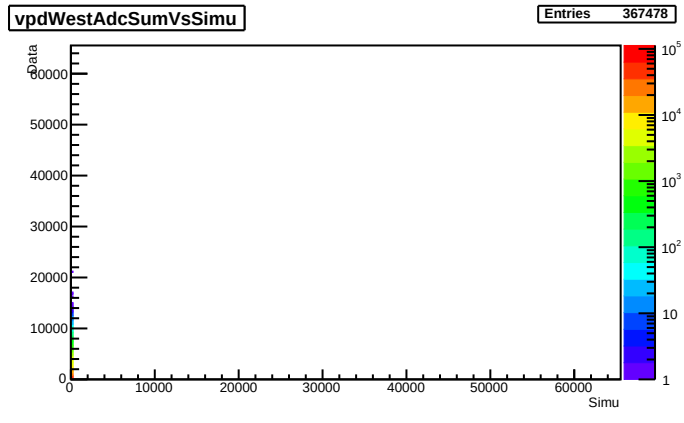

vpdEastAdcSum
Entries 474774

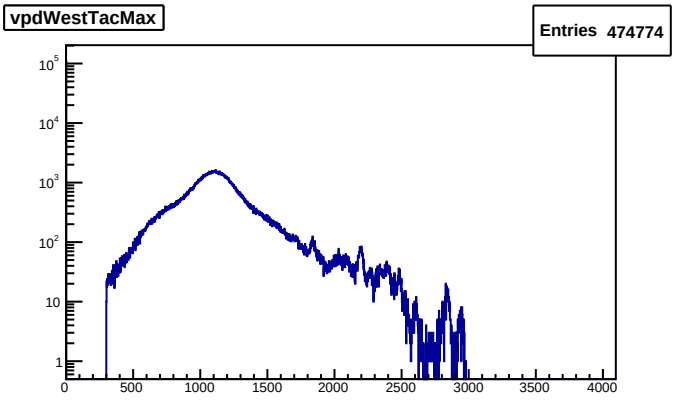

vpdEastAdcSumVsSimu
Entries 256477
Data
Simu

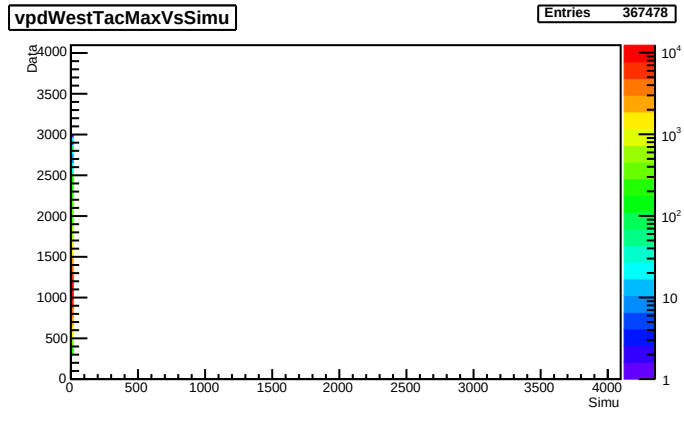

vpdEastTacMax
Entries 474774

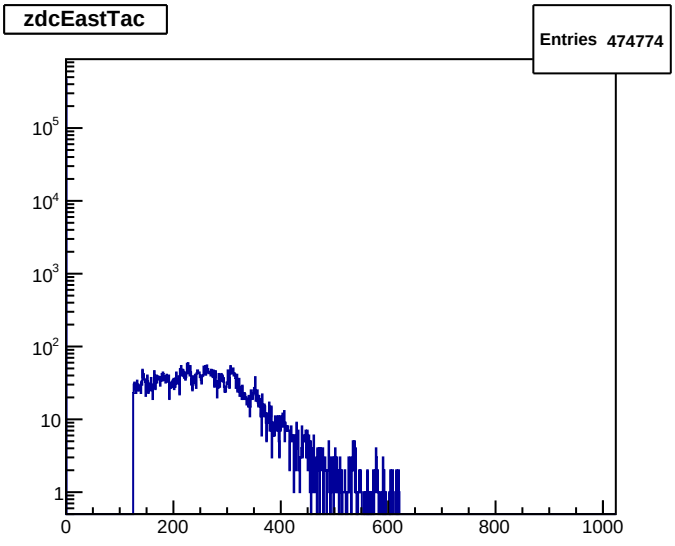

vpdEastTacMaxVsSimu
Entries 256477
Data
Simu

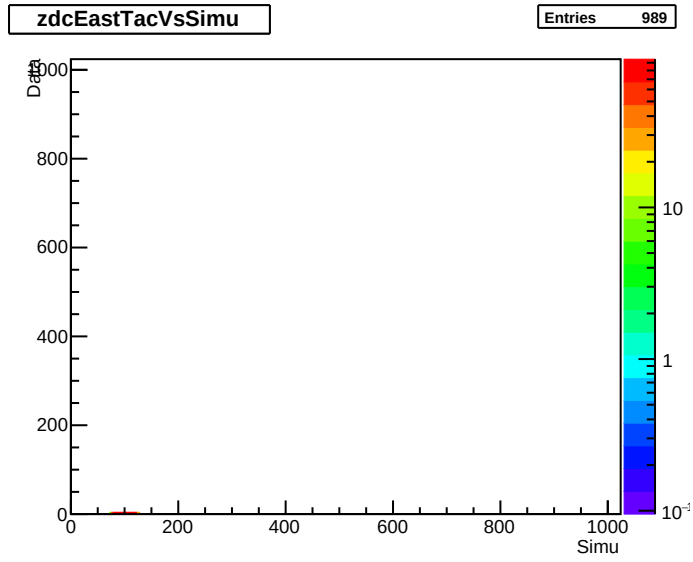

vpdWestAdcSum
Entries 474774

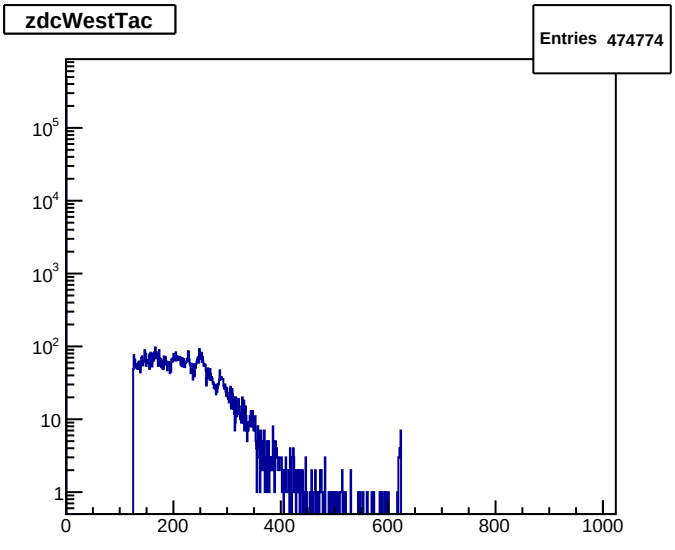

vpdWestAdcSumVsSimu
Entries 367478
Data
Simu

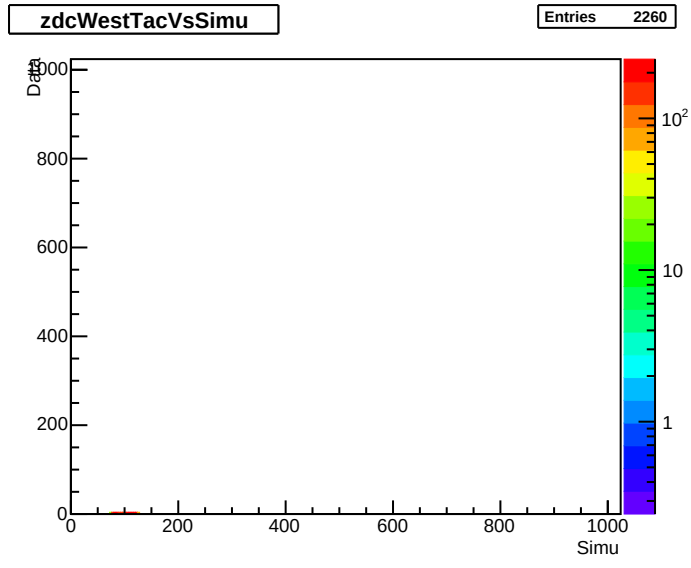

vpdWestTacMax
Entries 474774

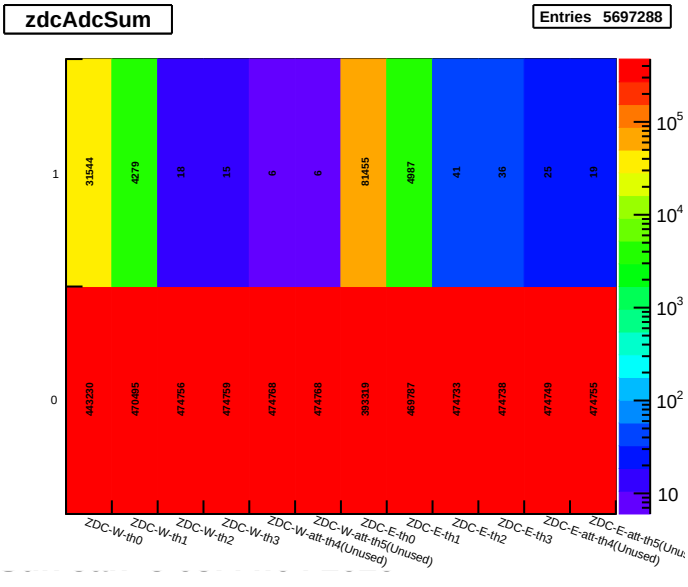

vpdWestTacMaxVsSimu
Entries 367478
Data
Simu

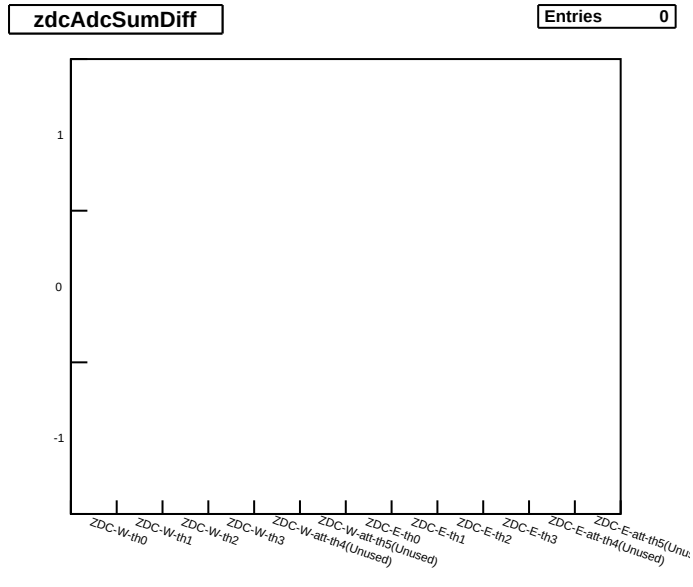

zdcEastTac
Entries 474774

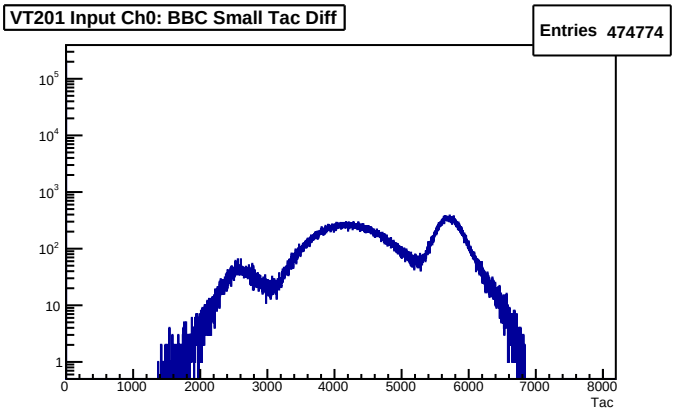

zdcEastTacVsSimu
Entries 989
Data
Simu

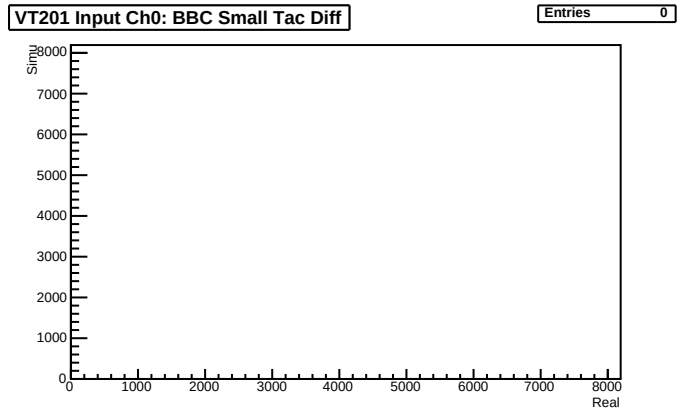

zdcWestTac
Entries 474774

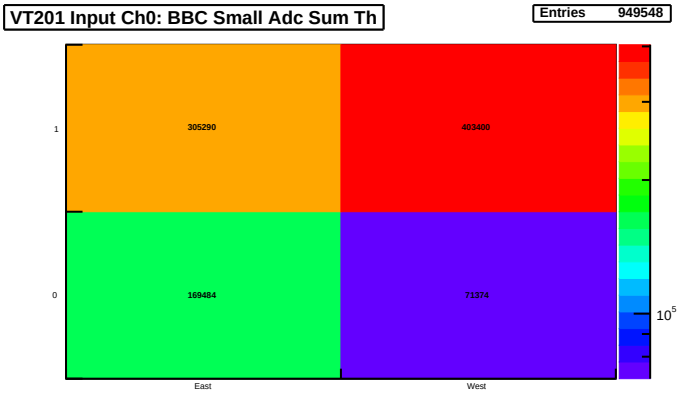

zdcWestTacVsSimu
Entries 2260
Data
Simu

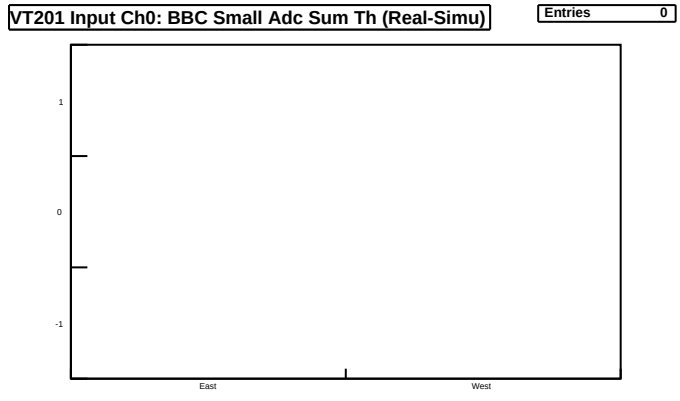

zdcAdcSum
Entries 5697288
31544
4279
18
15
6
6
81455
4987
41
36
25
19
443230
470495
474756
474759
474768
474768
393319
469787
474733
474738
474749
474755
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

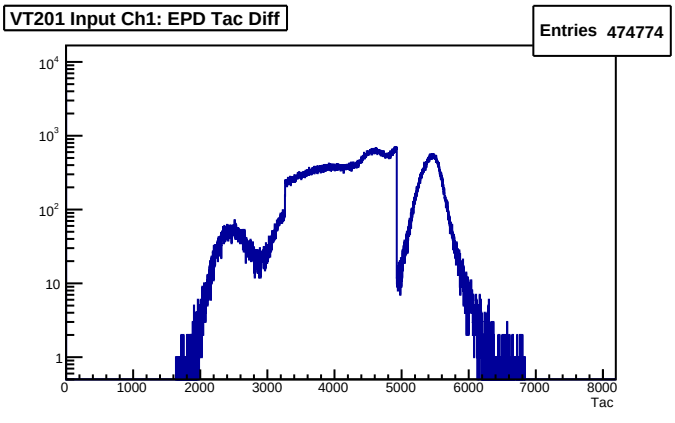

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

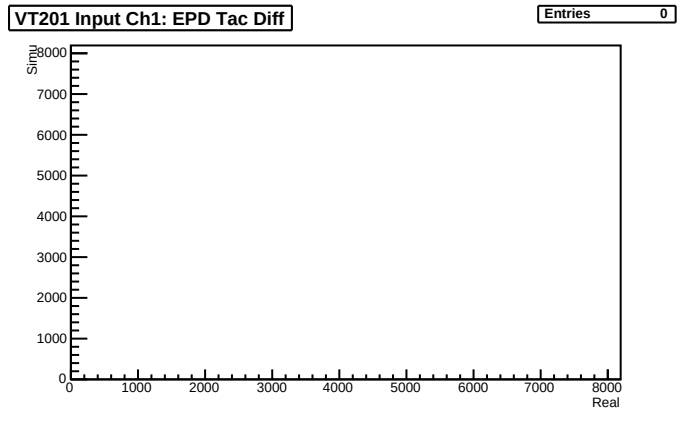

VT201 Input Ch0: BBC Small Tac Diff
Entries 474774
Tac

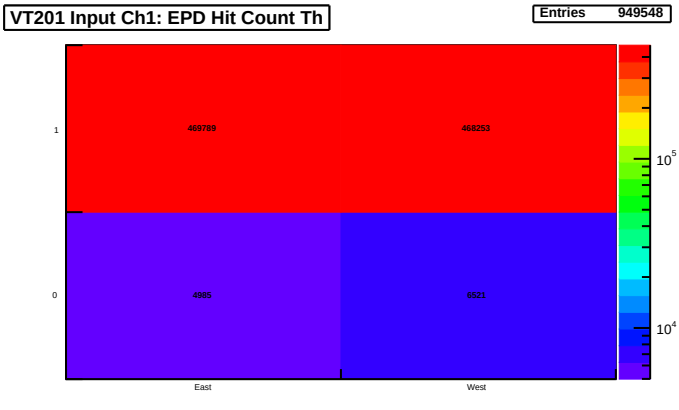

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

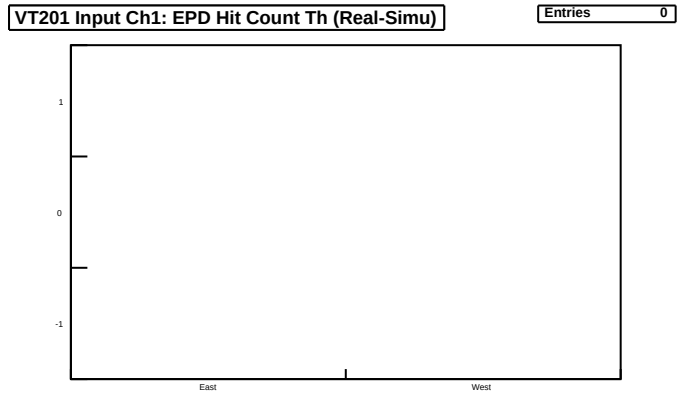

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 949548
305290
403400
169484
71374
East
West

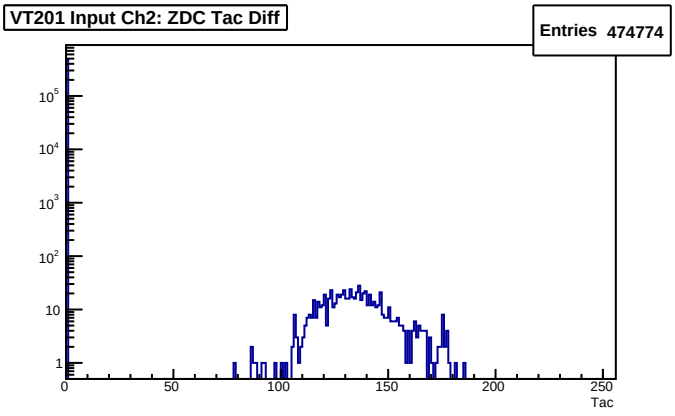

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

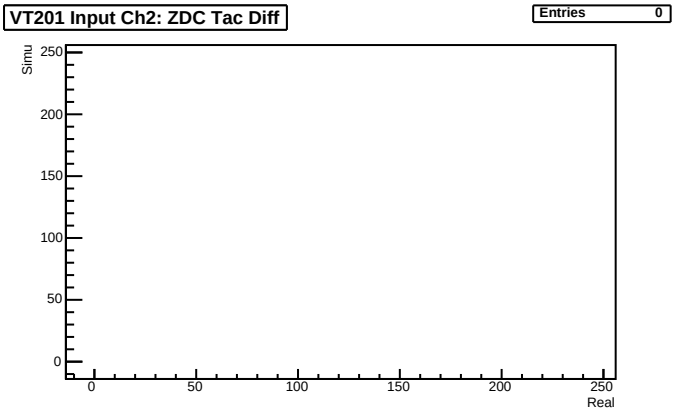

VT201 Input Ch1: EPD Tac Diff
Entries 474774
Tac

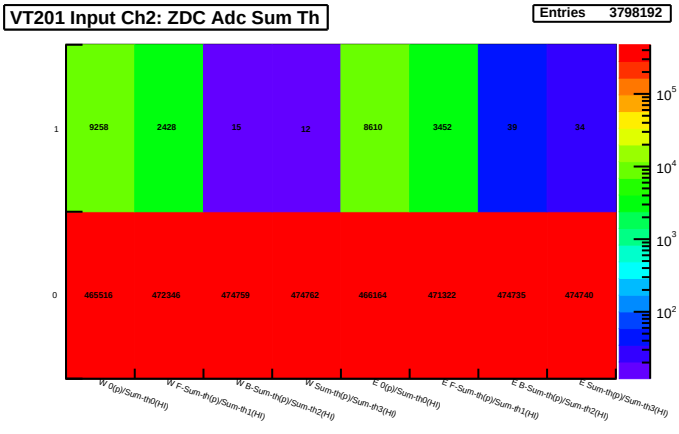

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

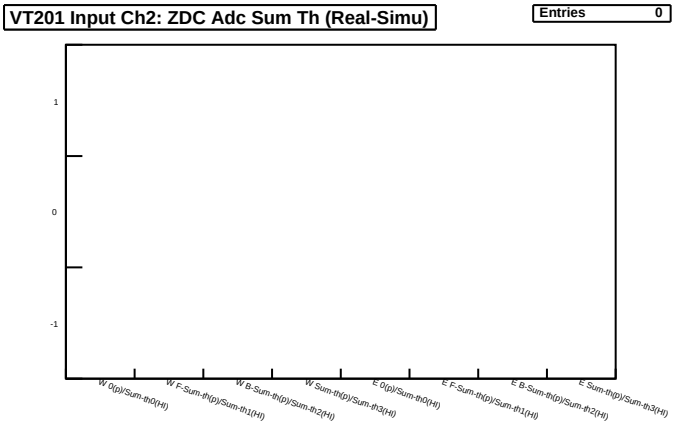

VT201 Input Ch1: EPD Hit Count Th
Entries 949548
469789
468253
4985
6521
East
West

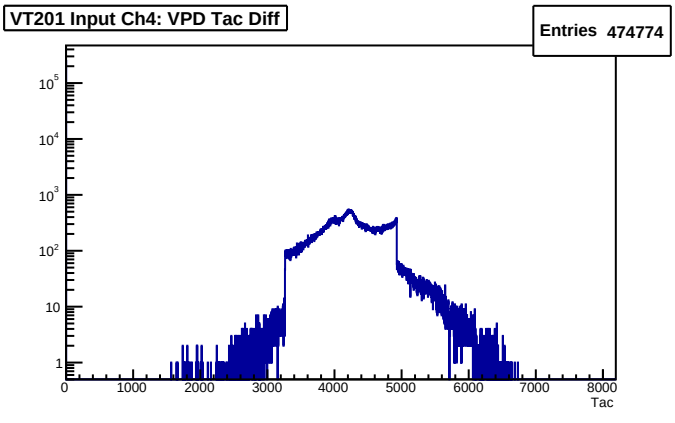

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

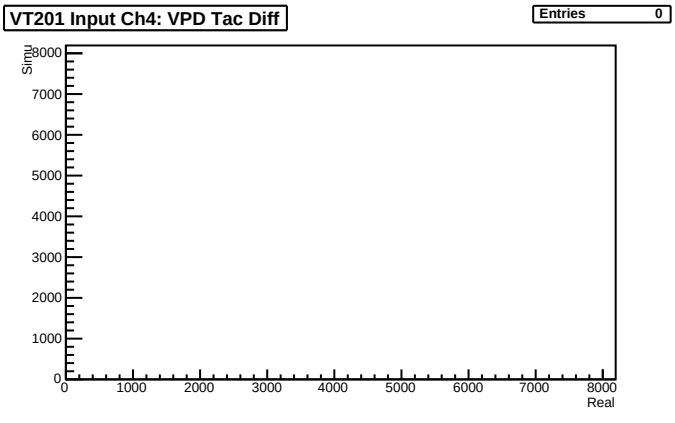

VT201 Input Ch2: ZDC Tac Diff
Entries 474774
Tac

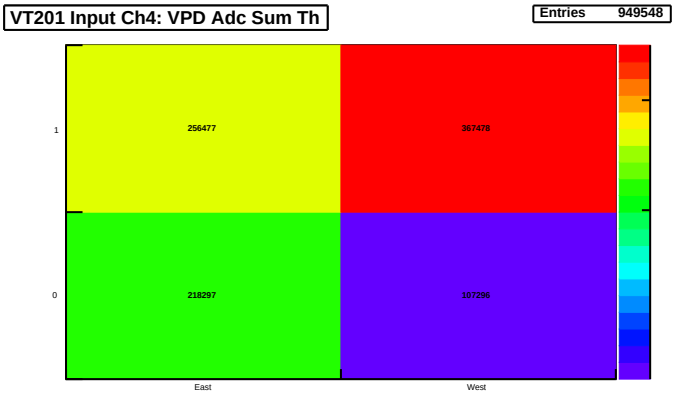

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

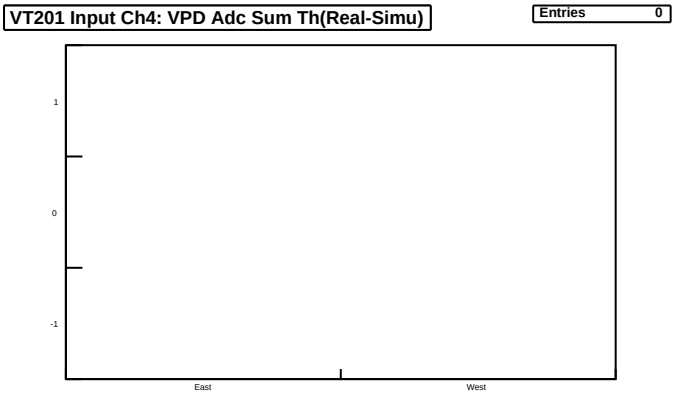

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3798192
9258
2428
15
12
8610
3452
39
34
465516
472346
474759
474762
466164
471322
474735
474740
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

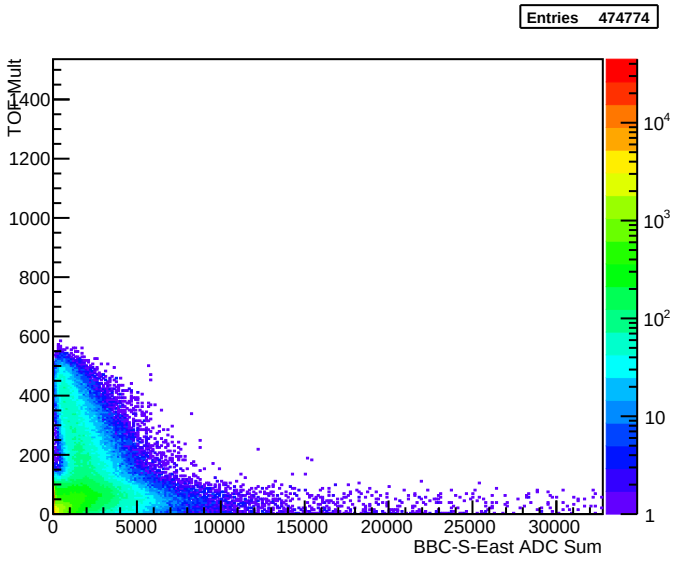

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

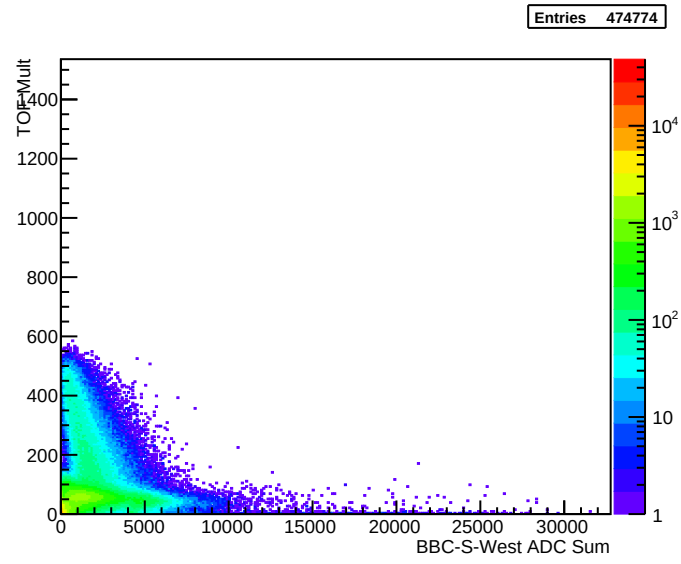

VT201 Input Ch4: VPD Tac Diff
Entries 474774
Tac

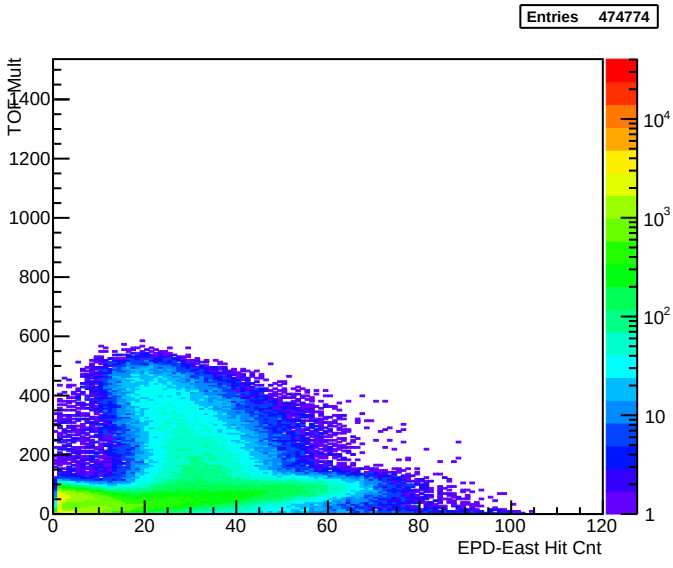

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

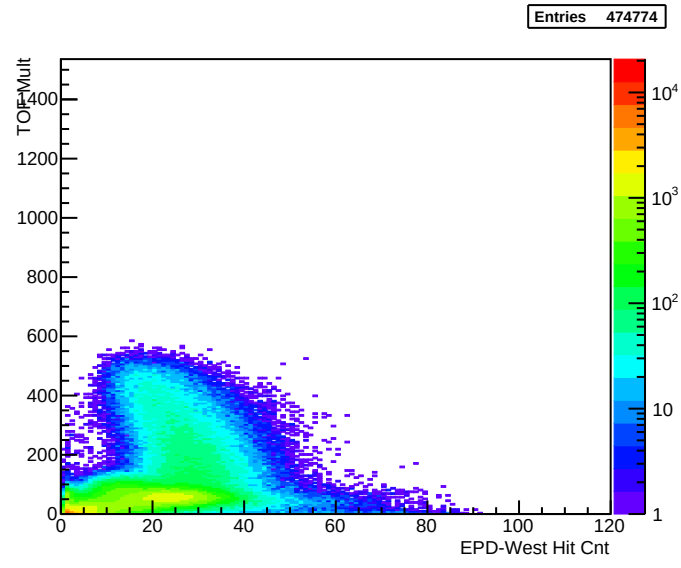

VT201 Input Ch4: VPD Adc Sum Th
Entries 949548
256477
367478
218297
107296
East
West

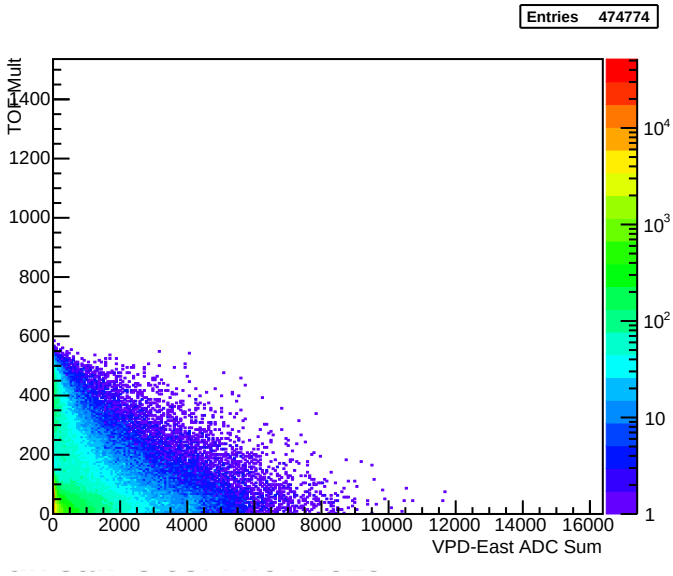

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

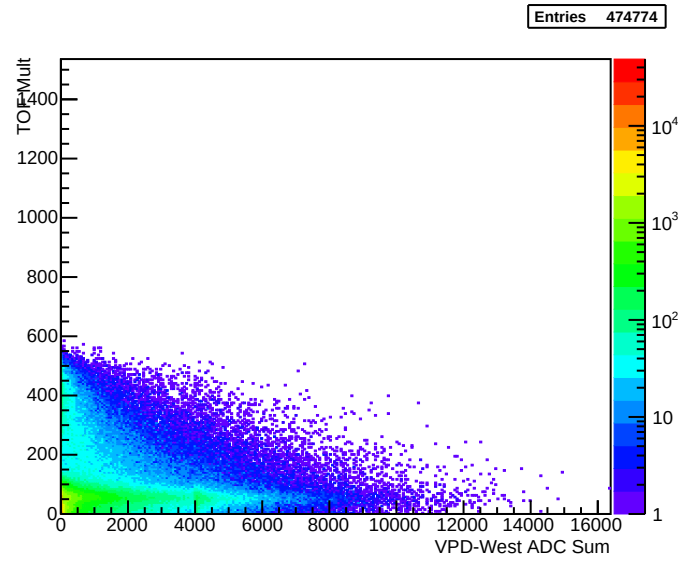

Entries 474774
TOF-Mult
BBC-S-East ADC Sum

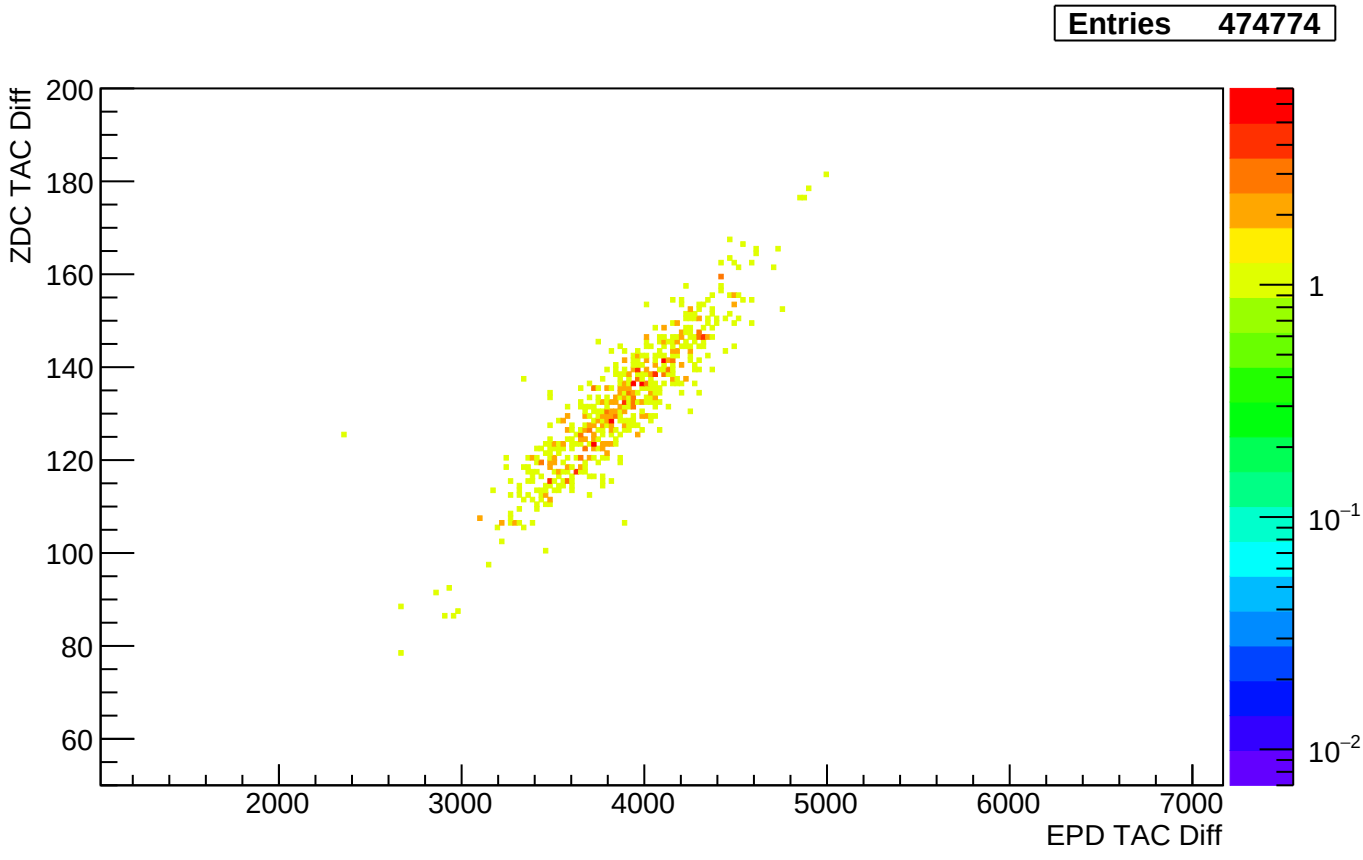

Entries 474774
TOF-Mult
BBC-S-West ADC Sum

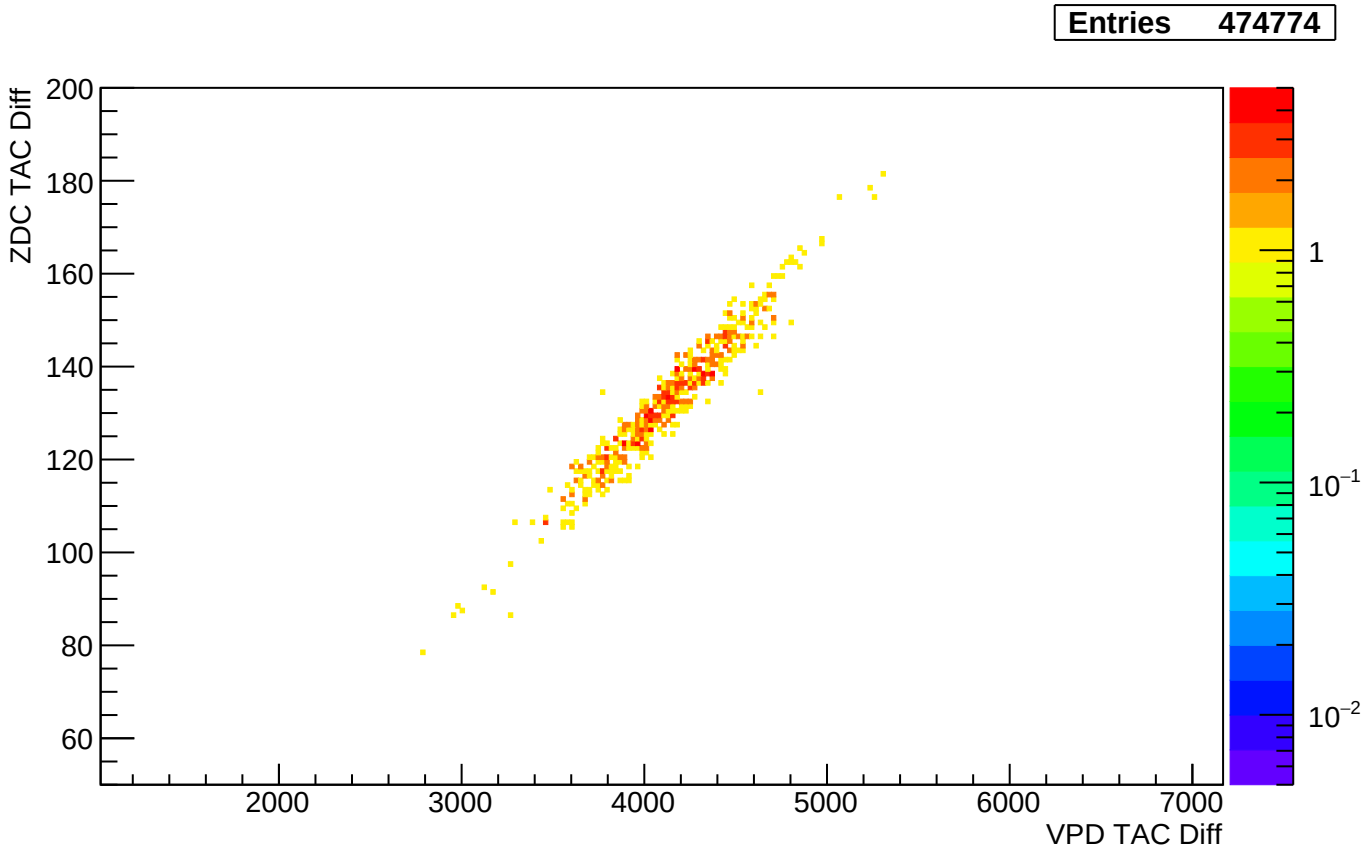

Entries 474774
TOF-Mult
EPD-East Hit Cnt

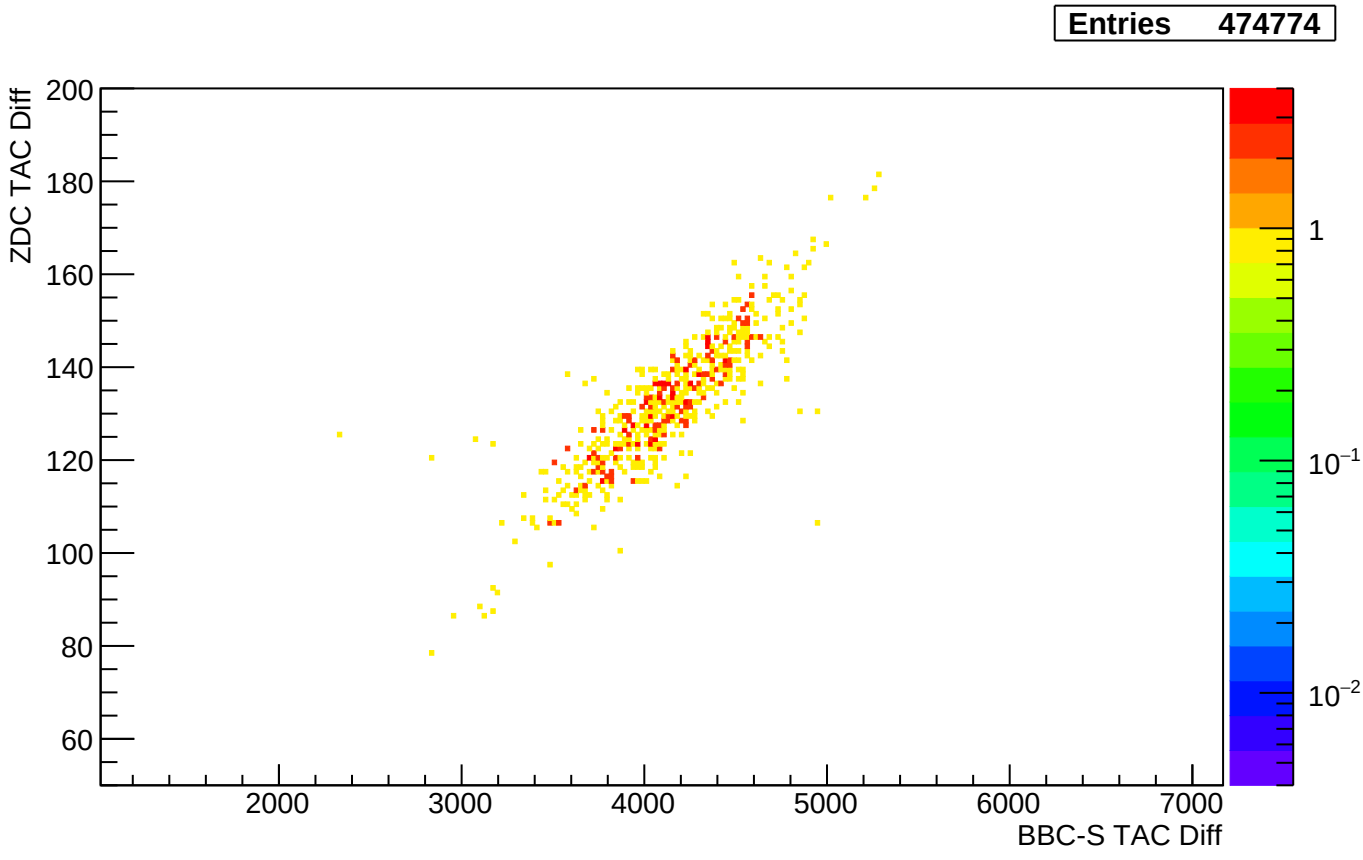

Entries 474774
TOF-Mult
EPD-West Hit Cnt

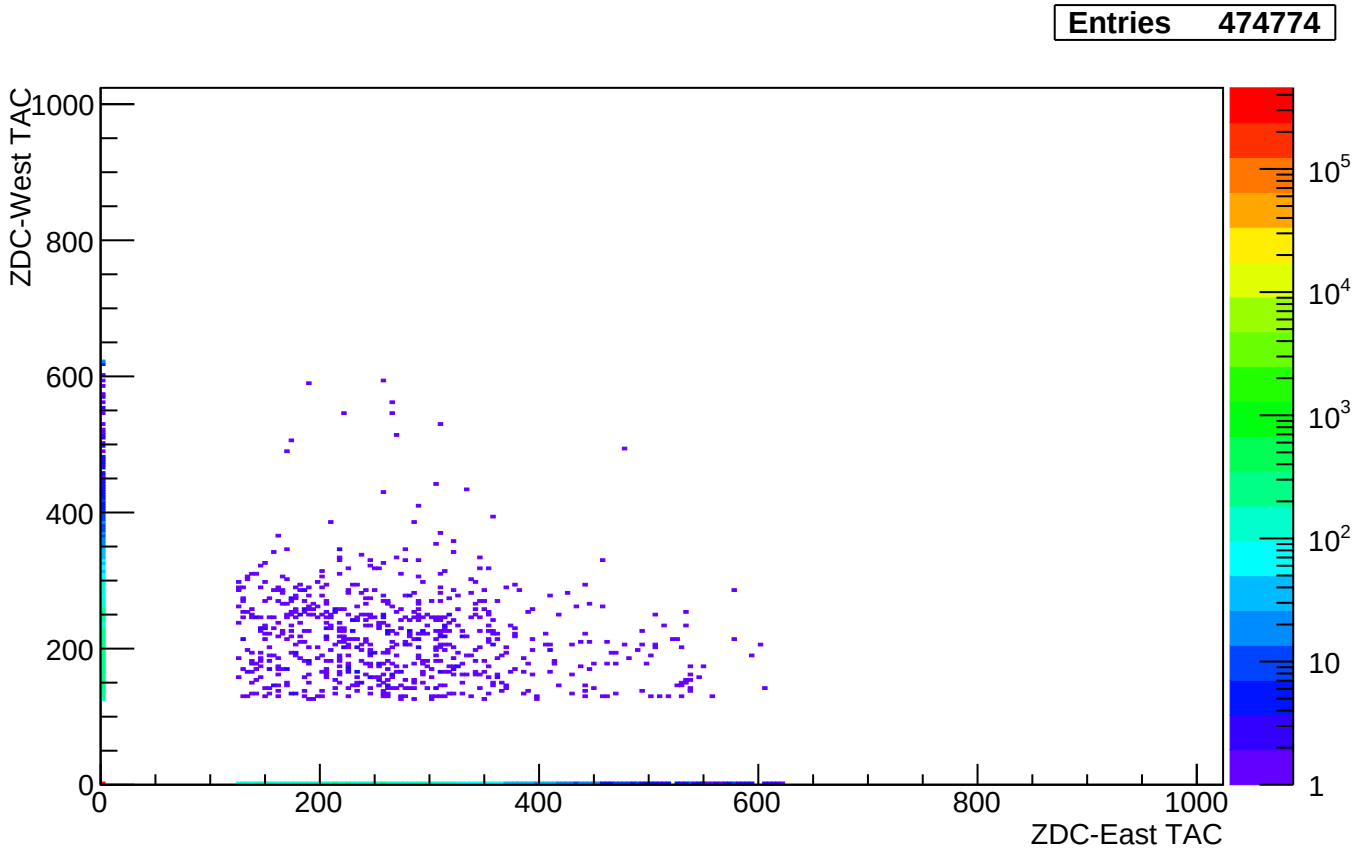

Entries 474774
TOF-Mult
VPD-East ADC Sum

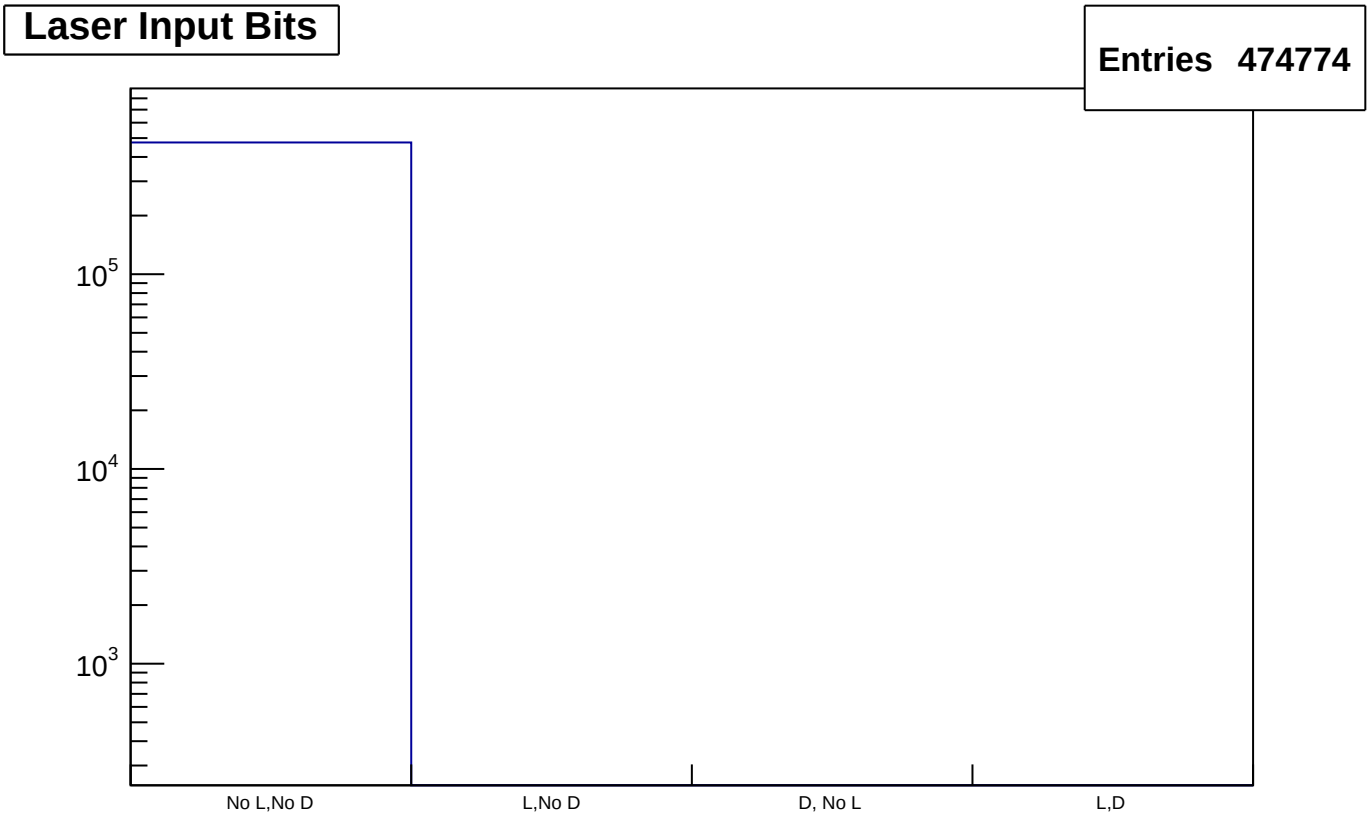

Entries 474774
TOF-Mult
VPD-West ADC Sum

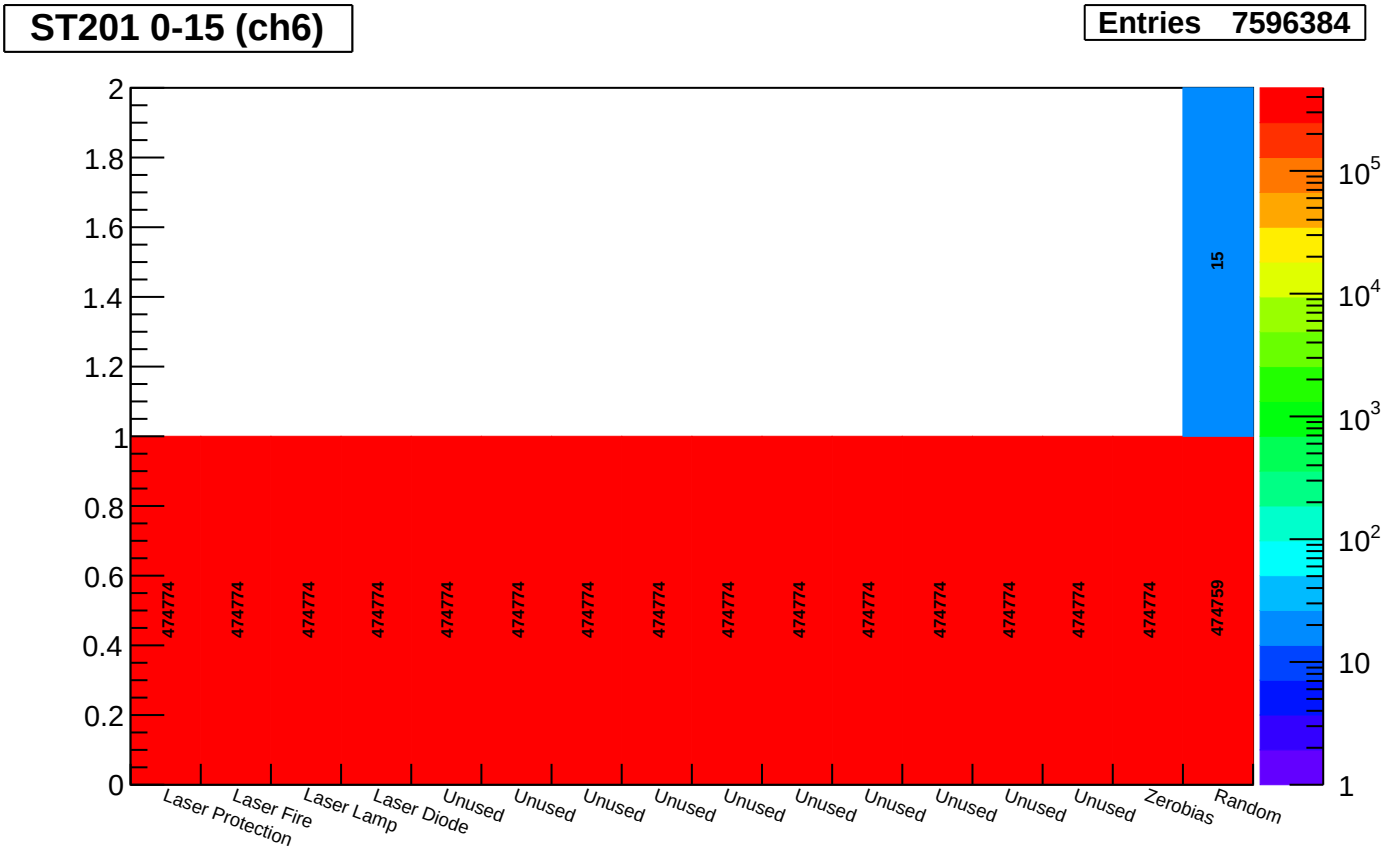

Entries 474774
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

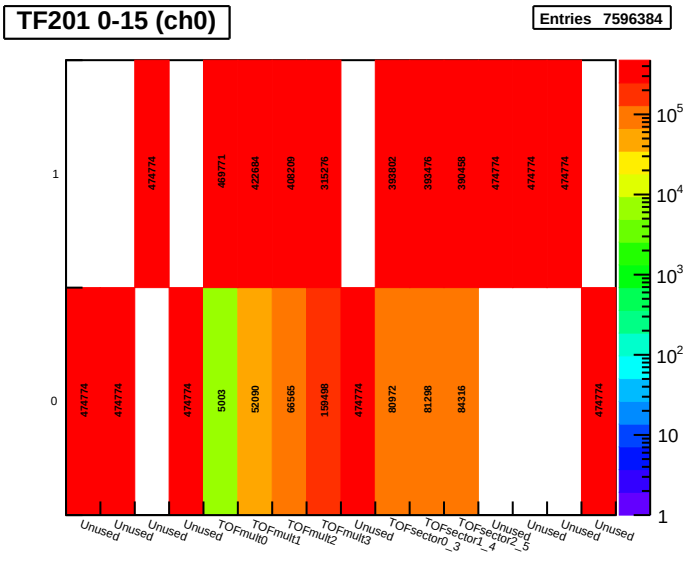

Entries 474774
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

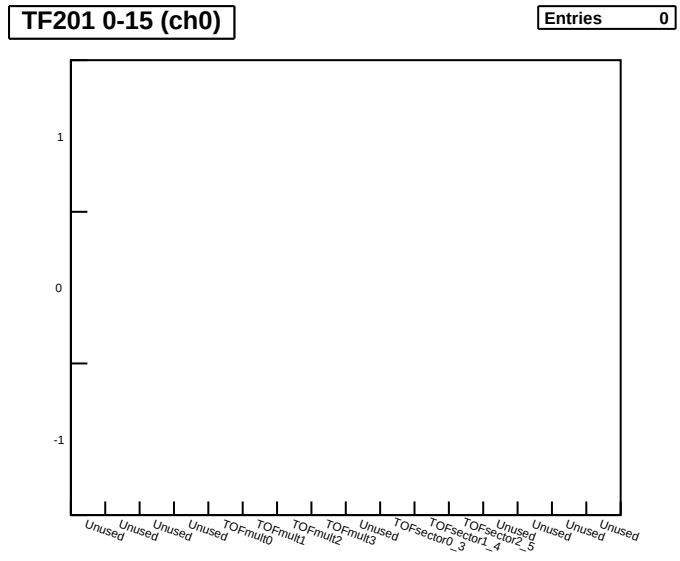

Entries 474774
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

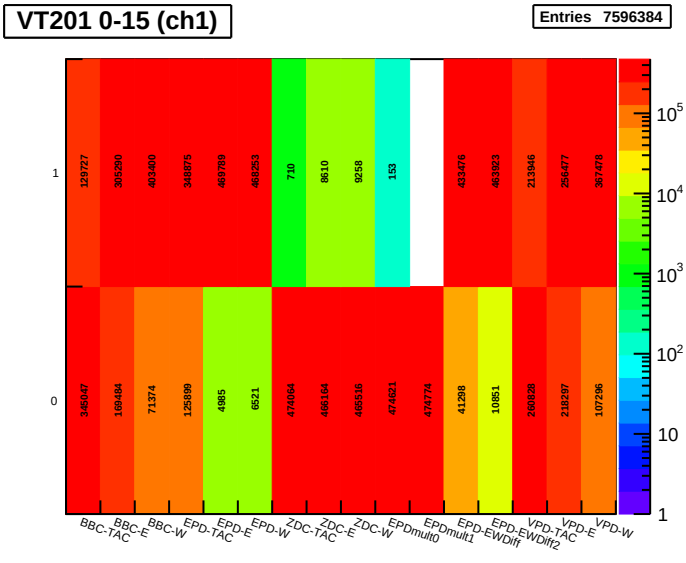

Entries 474774
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

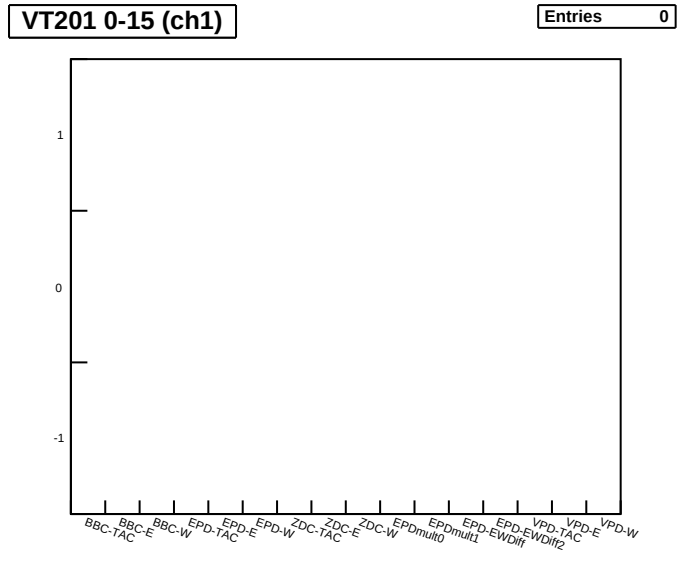

Laser Input Bits
Entries 474774
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

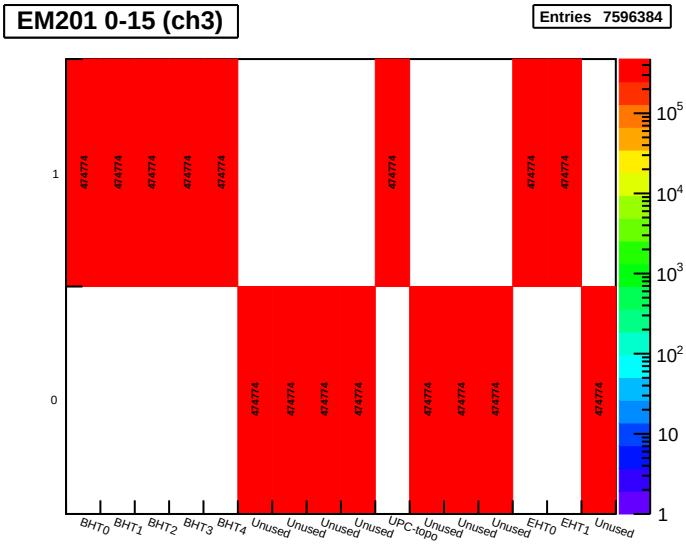

ST201 0-15 (ch6)
Entries 7596384
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
474774
474759
15
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

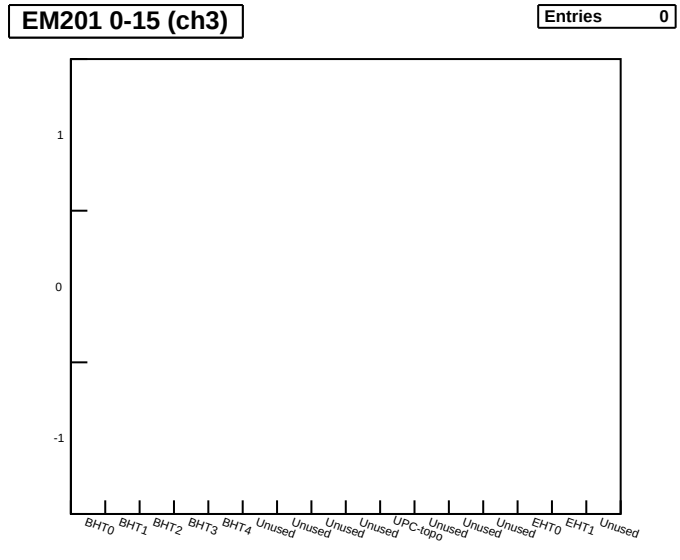

TF201 0-15 (ch0)
Entries 7596384
1
0
474774 474774 474774 474774 469771 422684 408209 315276 393802 393476 390458 474774 474774 474774
474774 474774 474774 5003 52090 66565 159498 474774 80972 81298 84316 474774
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 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 7596384
1
0
129727 305290 403400 348875 459789 468253 710 8610 9258 153 433476 463923 213946 256477 367478
345047 169484 71374 125899 4985 6521 474064 466164 465516 474621 474774 41298 10851 268828 218297 107296
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 7596384
1
0
474774 474774 474774 474774 474774 474774 474774 474774 474774
474774 474774 474774 474774 474774 474774 474774 474774
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