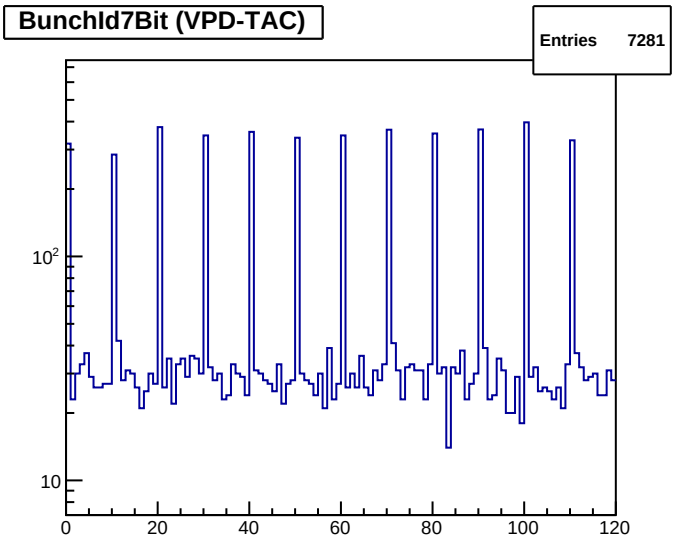
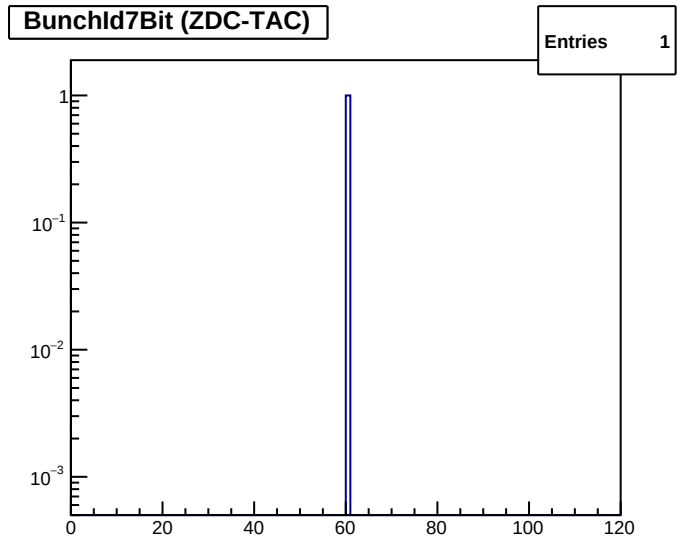
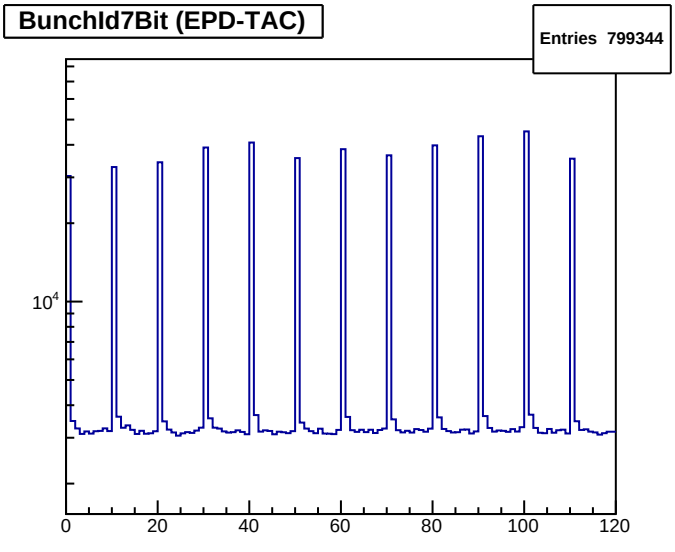
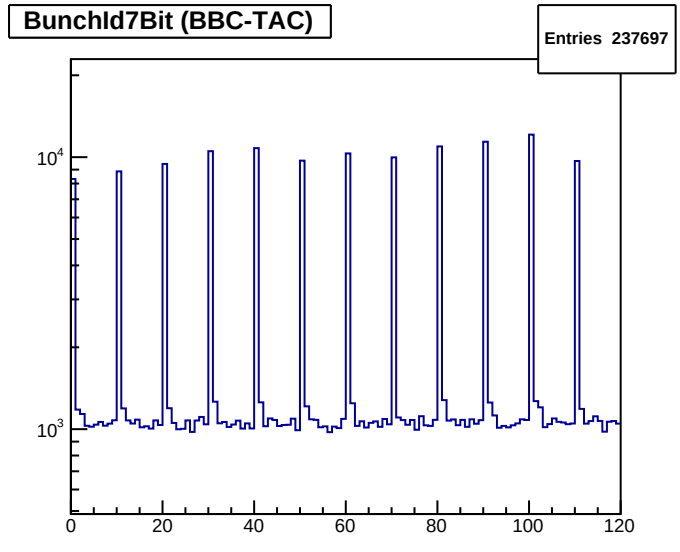
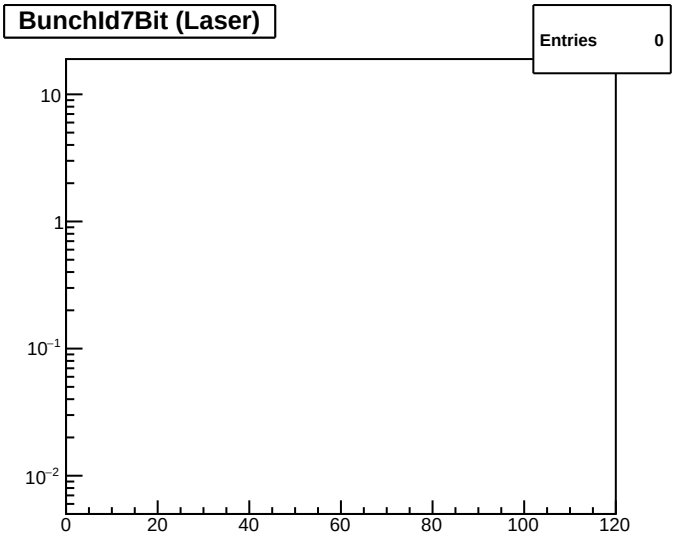
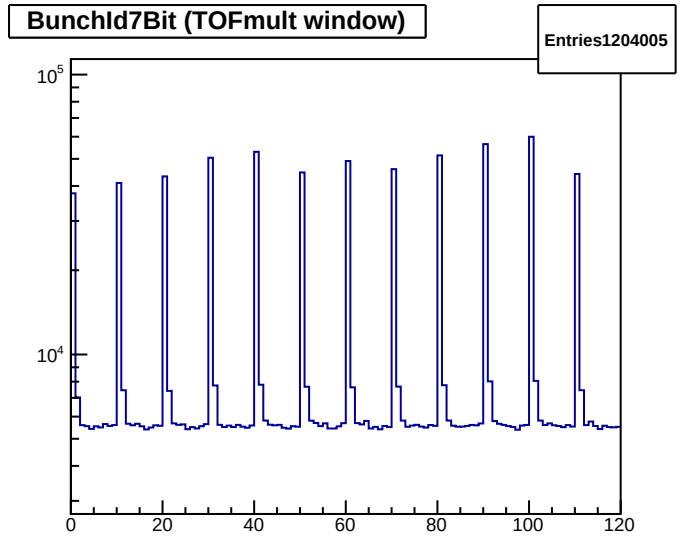

BunchId7Bit (VPD-TAC)
Entries 7281
10^2
10
0 20 40 60 80 100 120

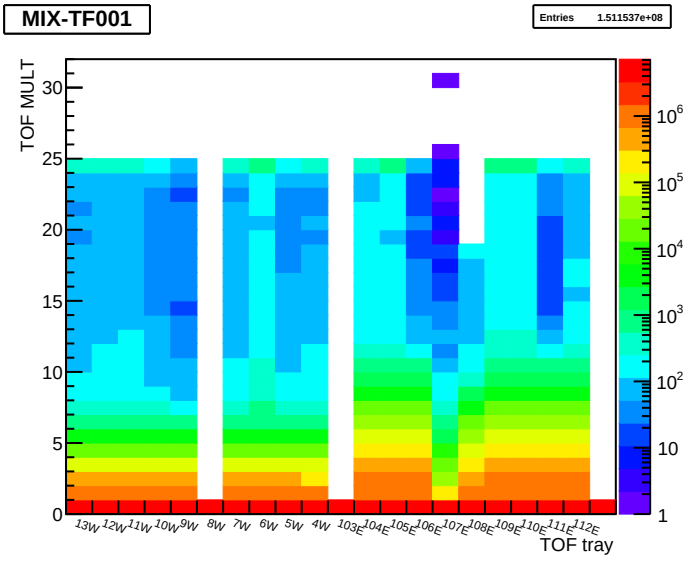

BunchId7Bit (ZDC-TAC)
Entries 1
1
10^{-1}
10^{-2}
10^{-3}
0 20 40 60 80 100 120

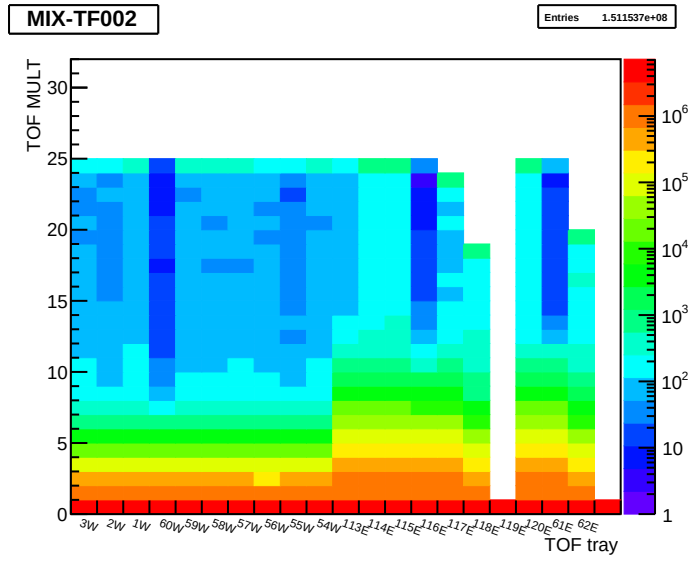

BunchId7Bit (EPD-TAC)
Entries 799344
10^4
0 20 40 60 80 100 120

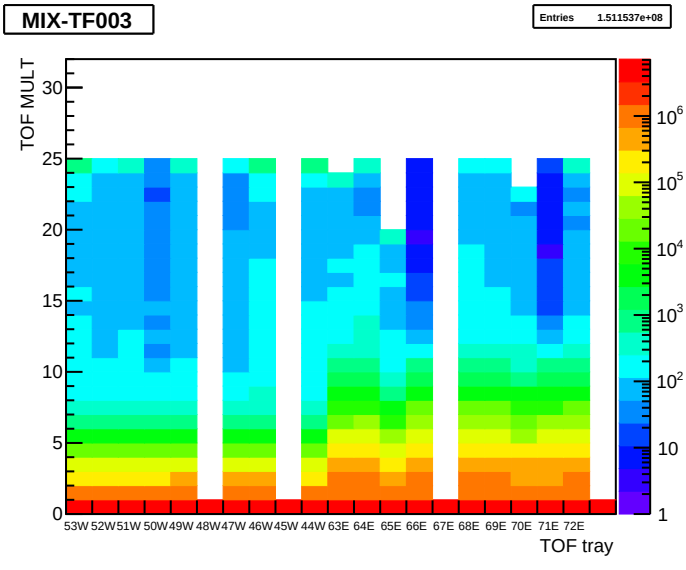

BunchId7Bit (BBC-TAC)
Entries 237697
10^4
10^3
0 20 40 60 80 100 120

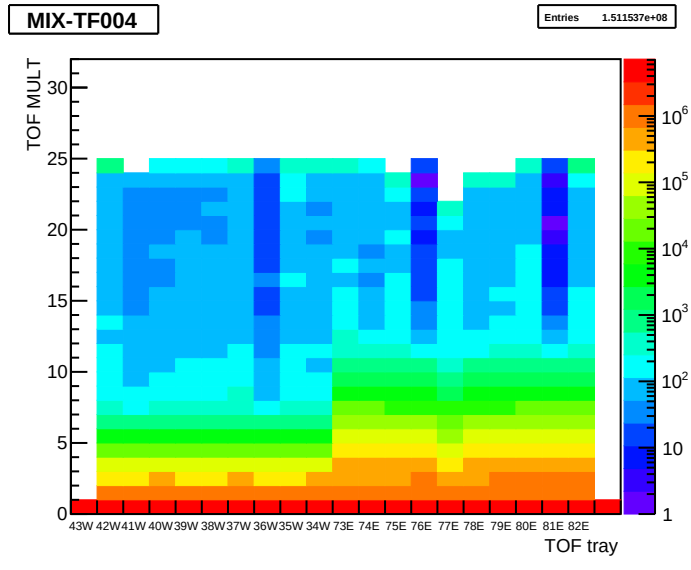

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

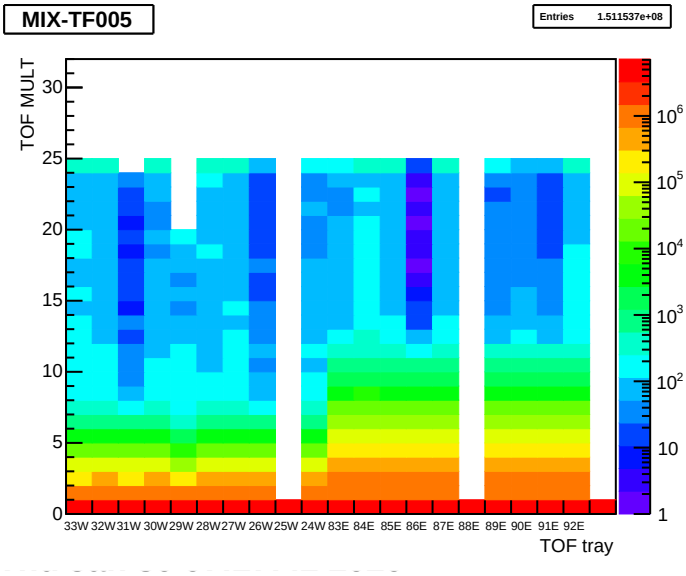

BunchId7Bit (TOFmult window)
Entries1204005
10^5
10^4
0 20 40 60 80 100 120

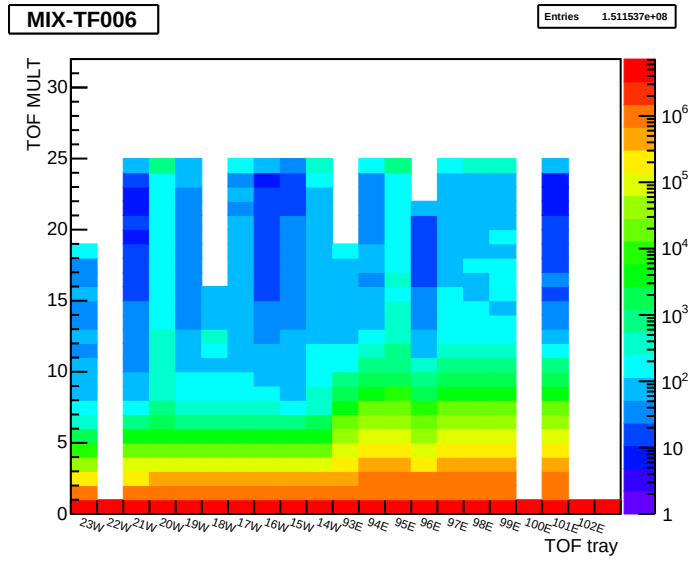

MIX-TF001
Entries 1.511537e+08
TOF MULT
TOF tray

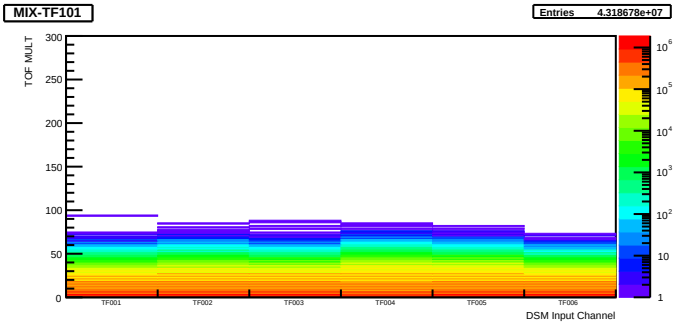

MIX-TF002
Entries 1.511537e+08
TOF MULT
TOF tray

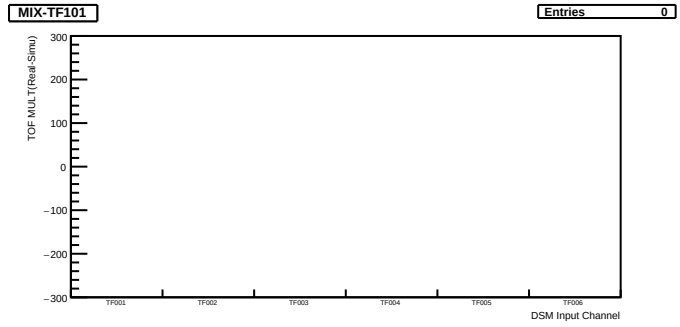

MIX-TF003
Entries 1.511537e+08
TOF MULT
TOF tray

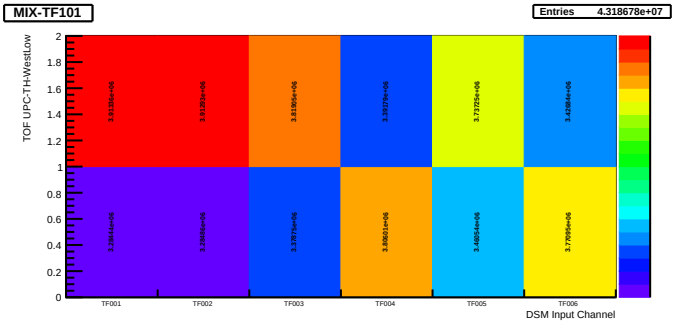

MIX-TF004
Entries 1.511537e+08
TOF MULT
TOF tray

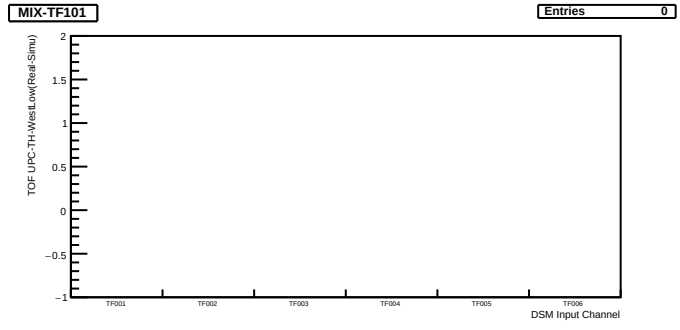

MIX-TF005
Entries 1.511537e+08
TOF MULT
TOF tray

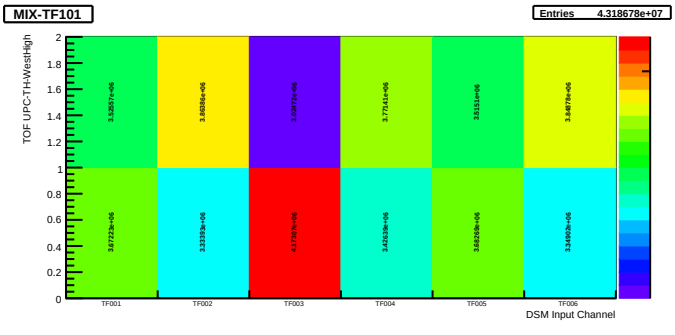

MIX-TF006
Entries 1.511537e+08
TOF MULT
TOF tray

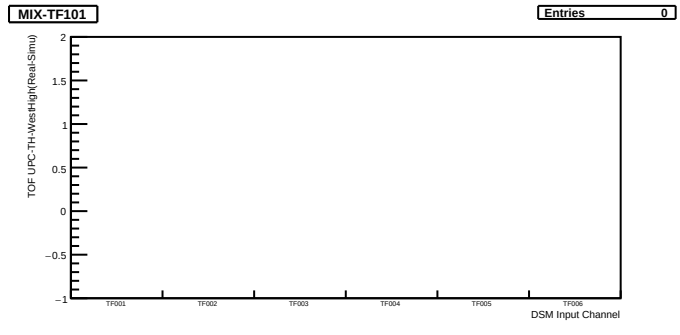

MIX-TF101
Entries 4.318678e+07
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

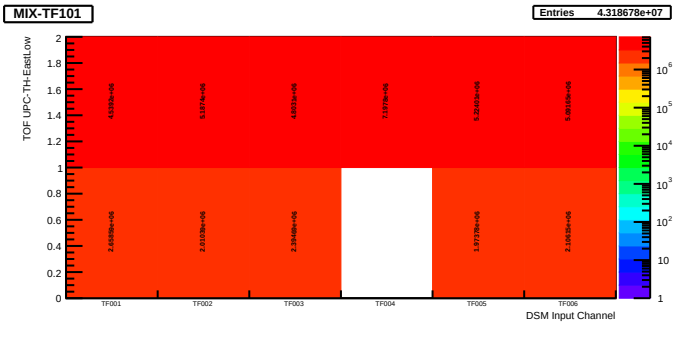

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

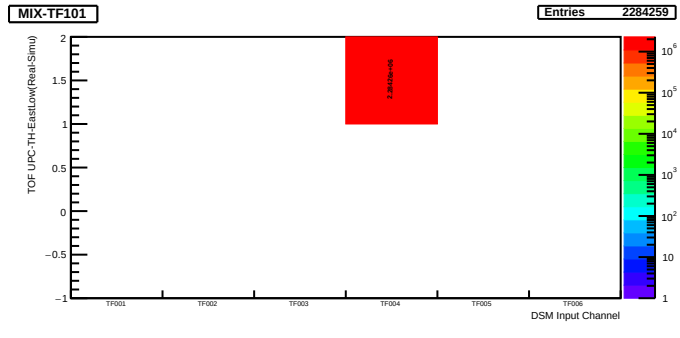

MIX-TF101
Entries 4.318678e+07
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

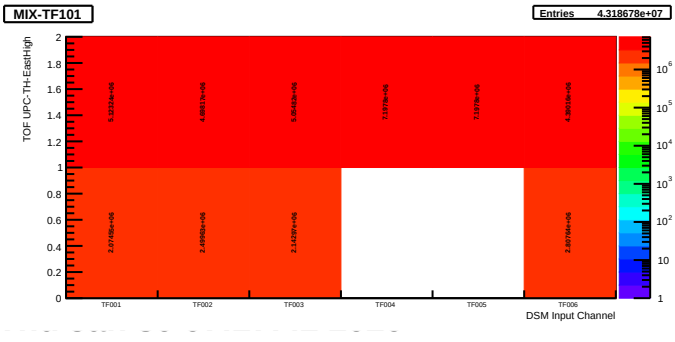

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

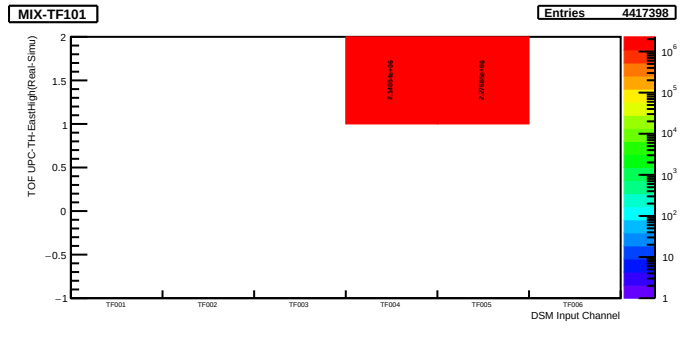

MIX-TF101
Entries 4.318678e+07
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

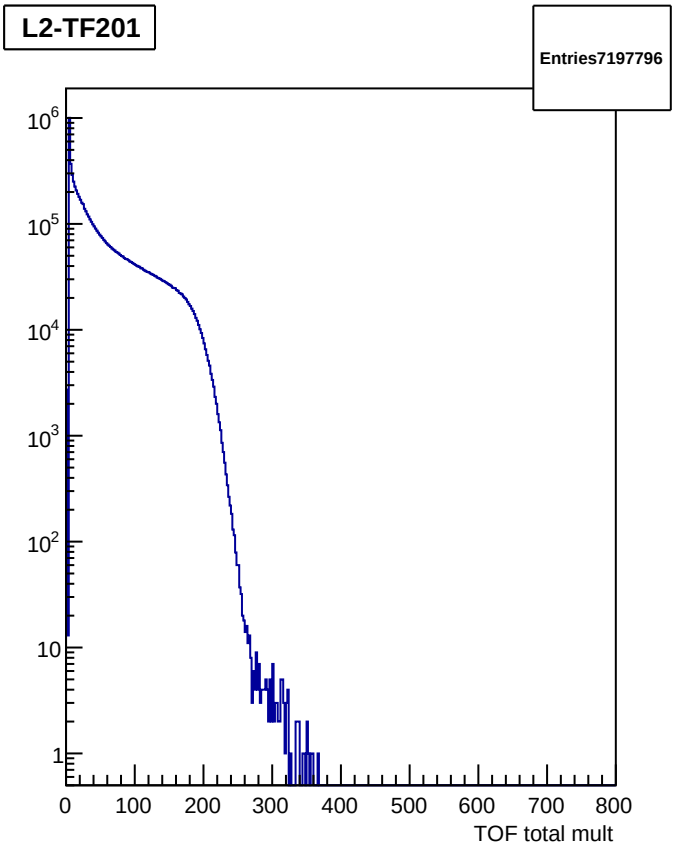

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

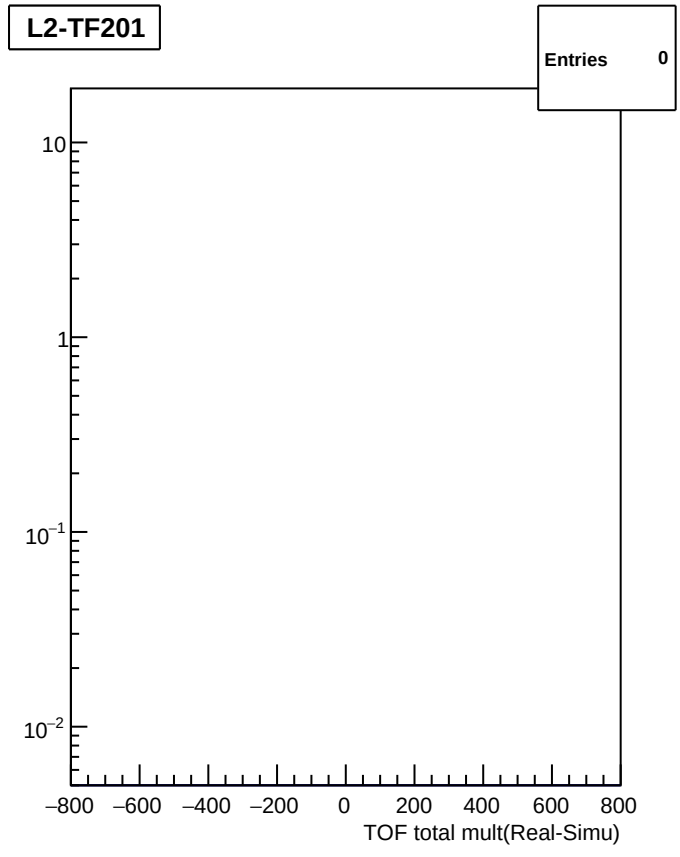

MIX-TF101
Entries 4.318678e+07
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

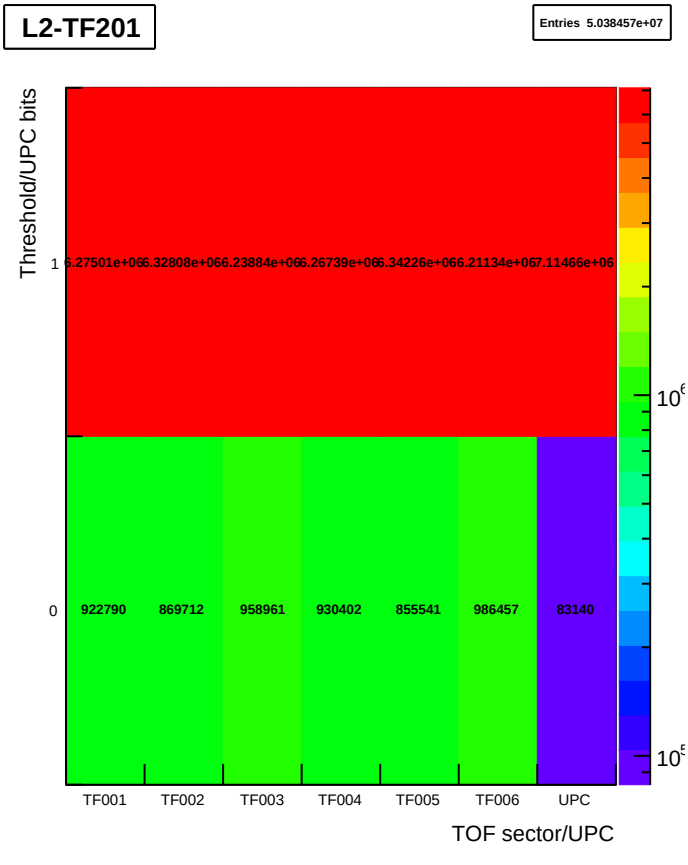

MIX-TF101
Entries 2284259
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

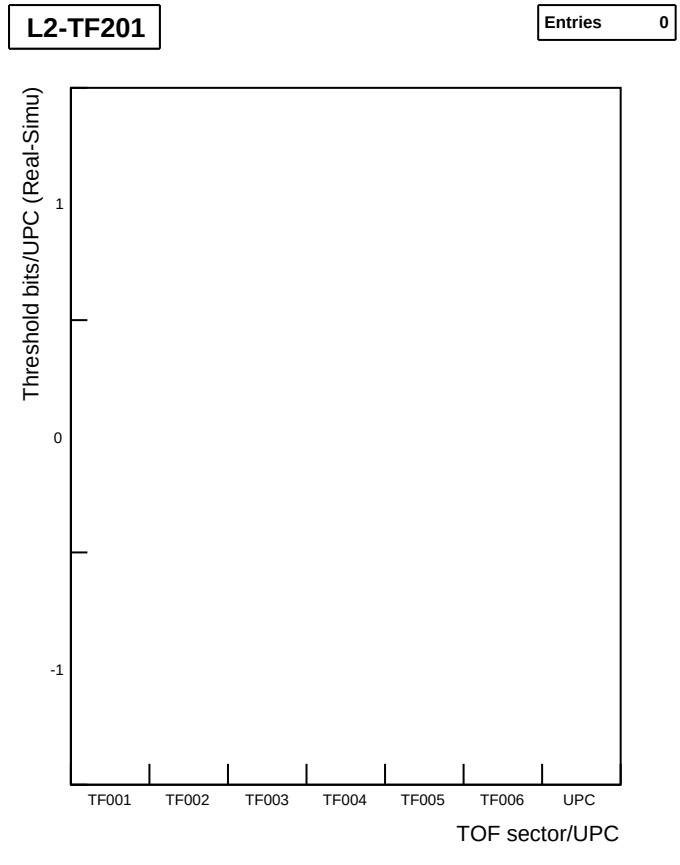

MIX-TF101
Entries 4.318678e+07
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

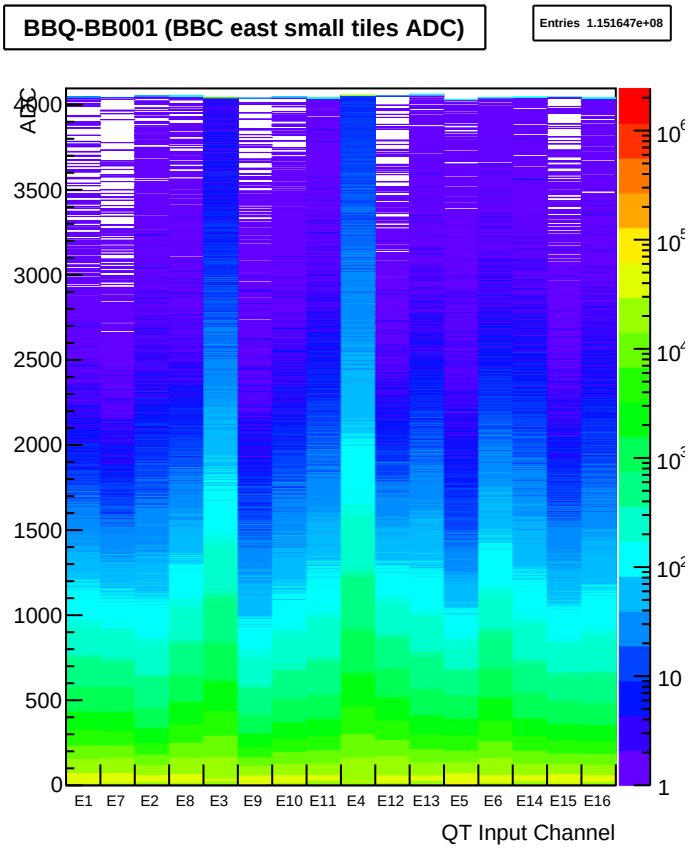

MIX-TF101
Entries 4417398
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

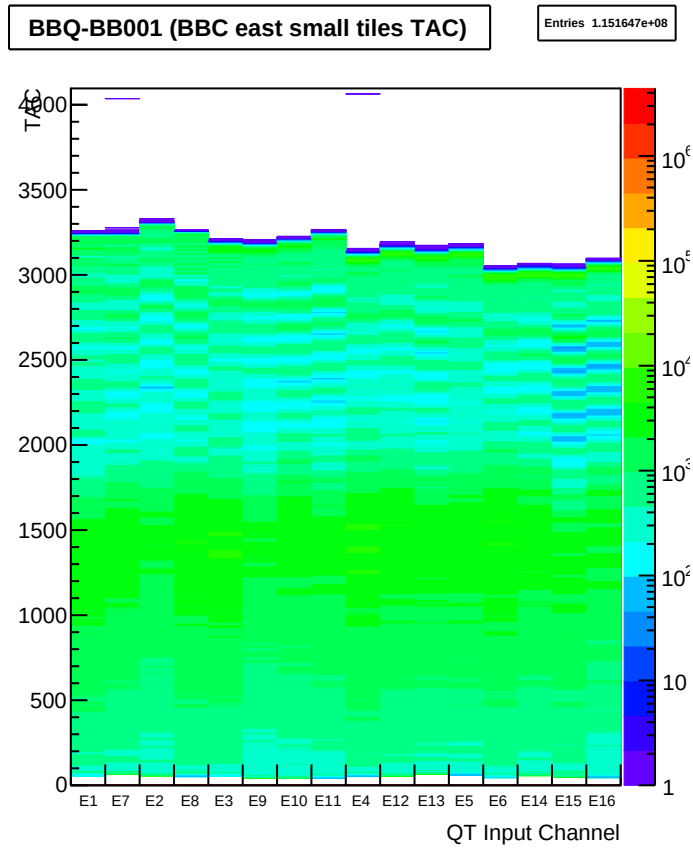

L2-TF201
Entries7197796
TOF total mult

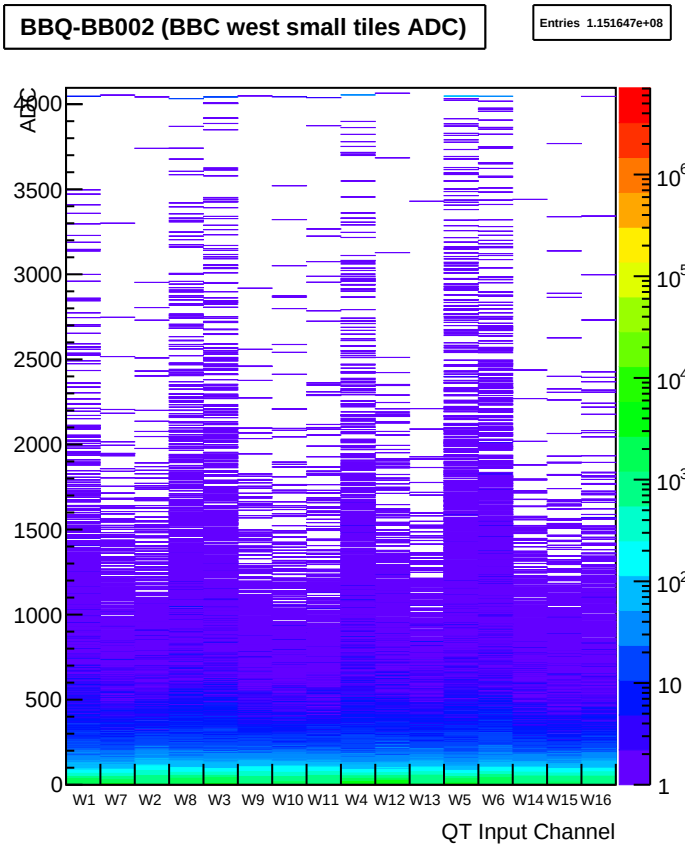

L2-TF201
Entries 0
TOF total mult(Real-Simu)

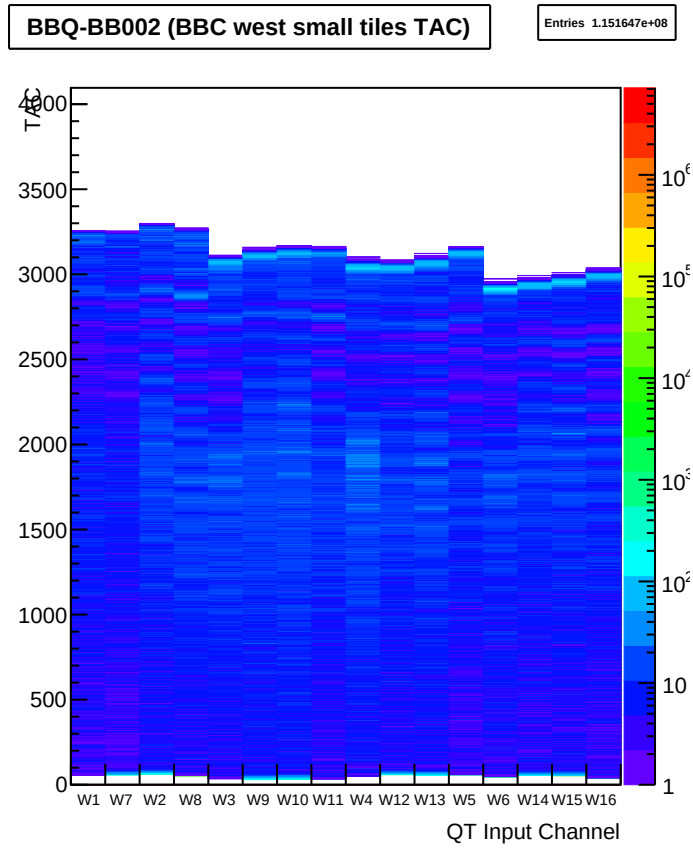

L2-TF201
Entries 5.038457e+07
Threshold/UPC bits
922790
869712
958961
930402
855541
986457
83140
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

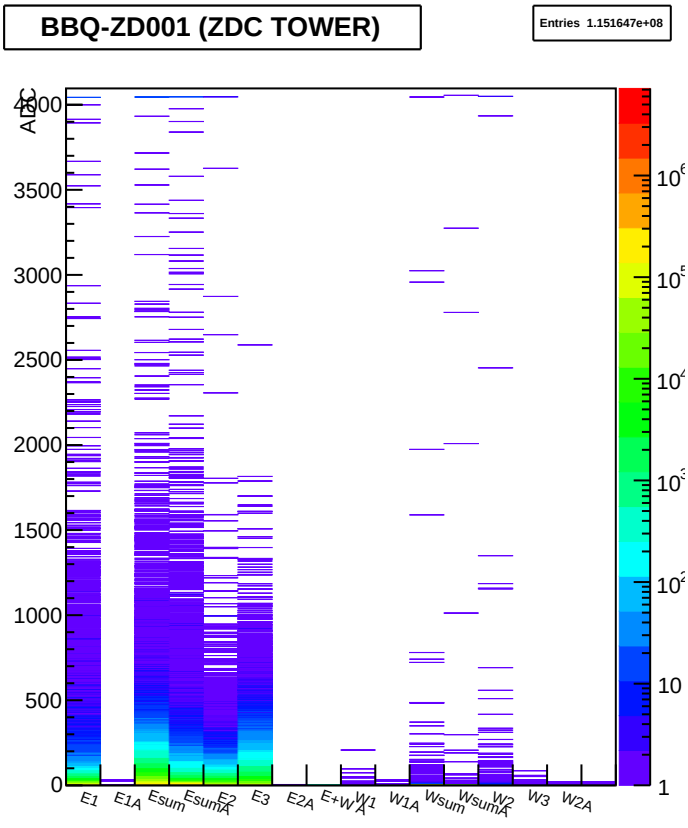

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

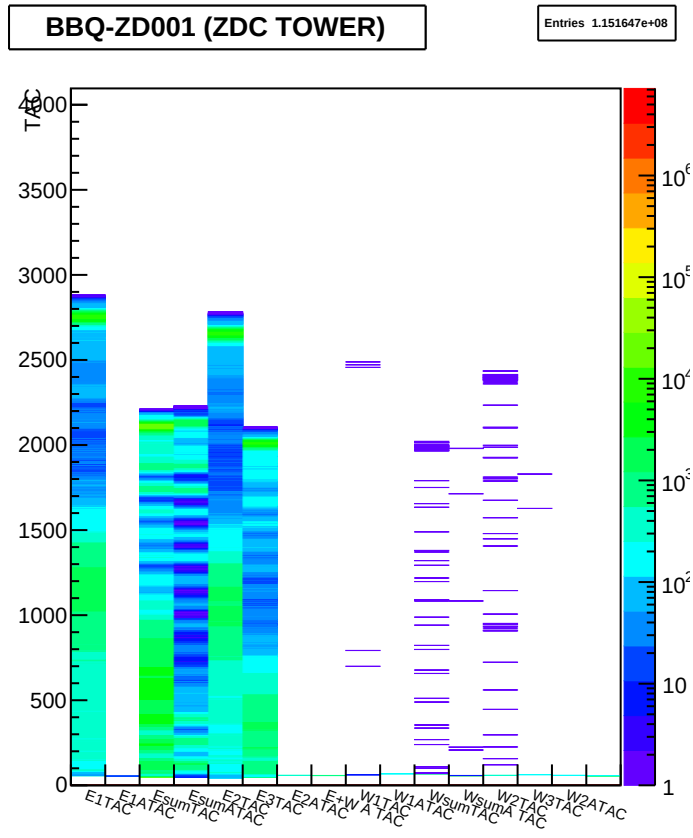

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.151647e+08
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

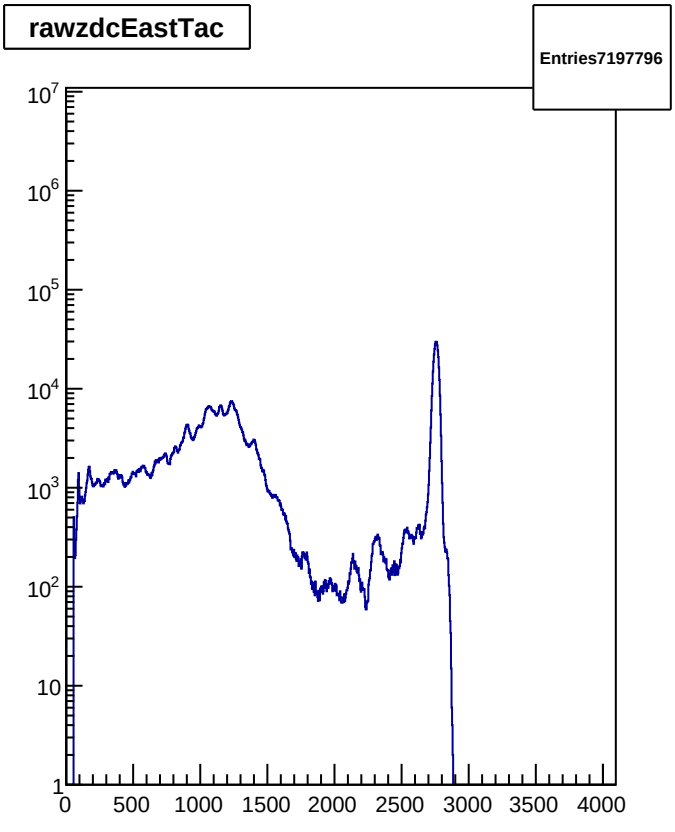

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.151647e+08
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

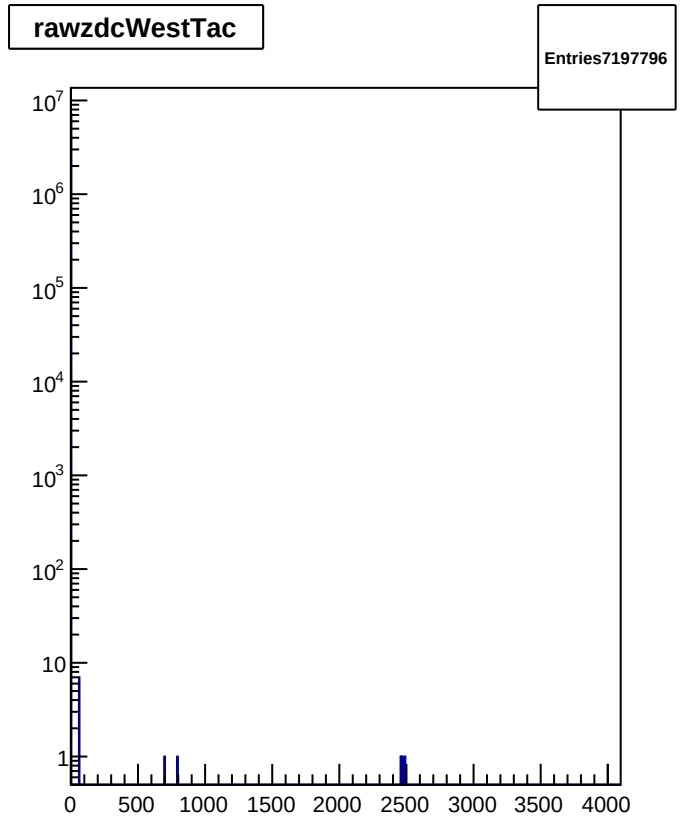

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.151647e+08
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

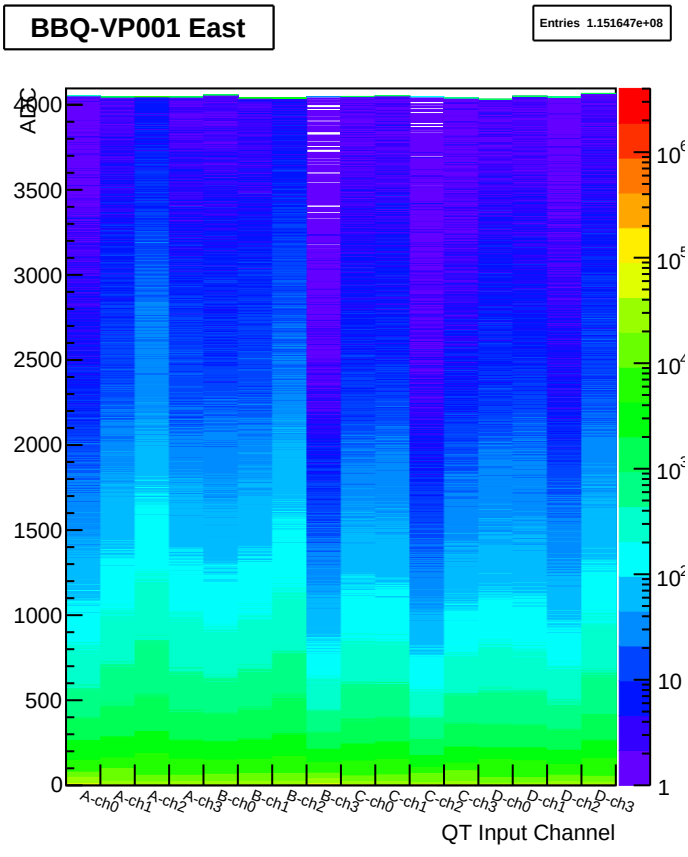

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.151647e+08
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

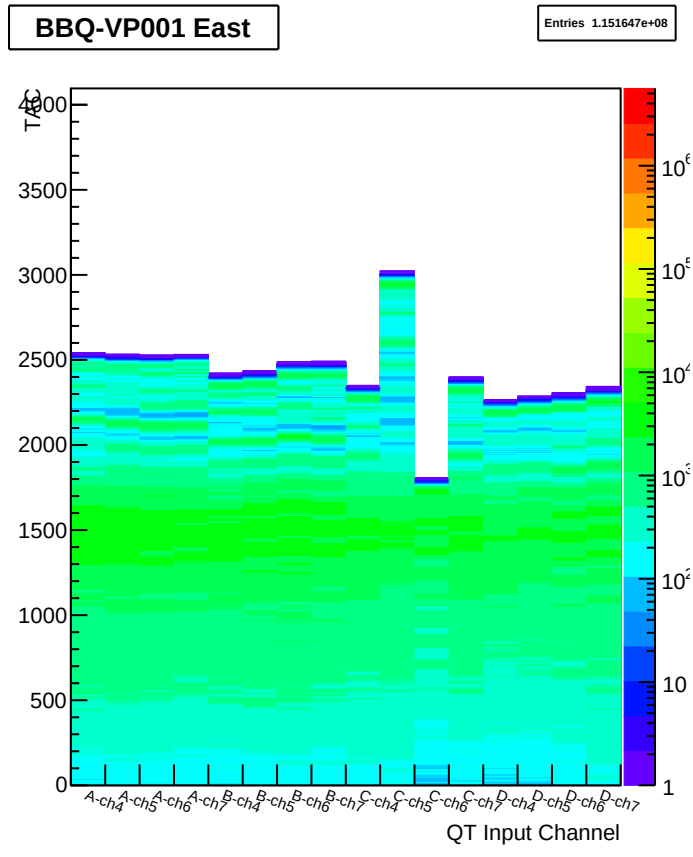

BBQ-ZD001 (ZDC TOWER)
Entries 1.151647e+08
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

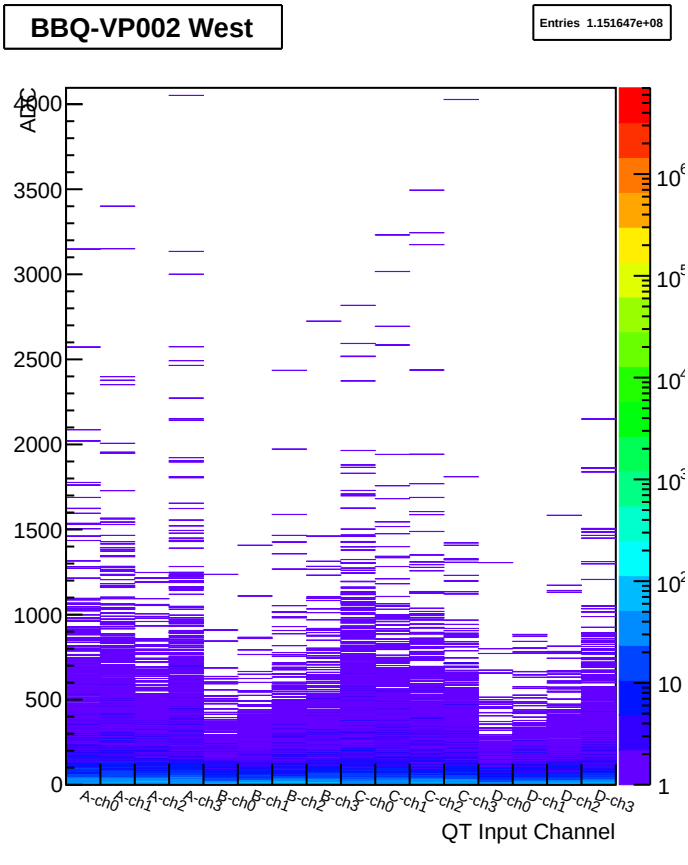

BBQ-ZD001 (ZDC TOWER)
Entries 1.151647e+08
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumATAC
W2TAC
W3TAC
W2ATAC

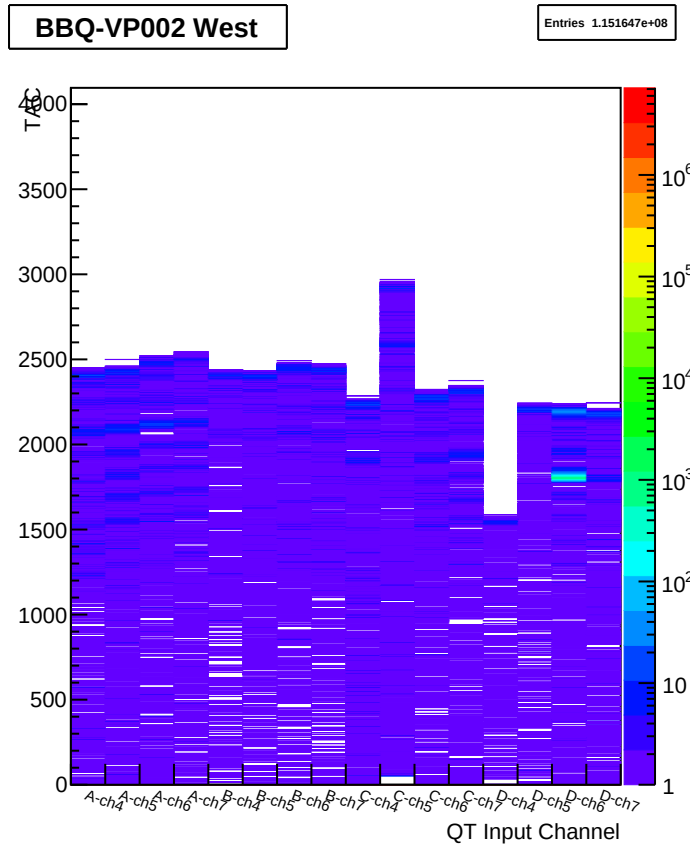

rawzdcEastTac
Entries7197796

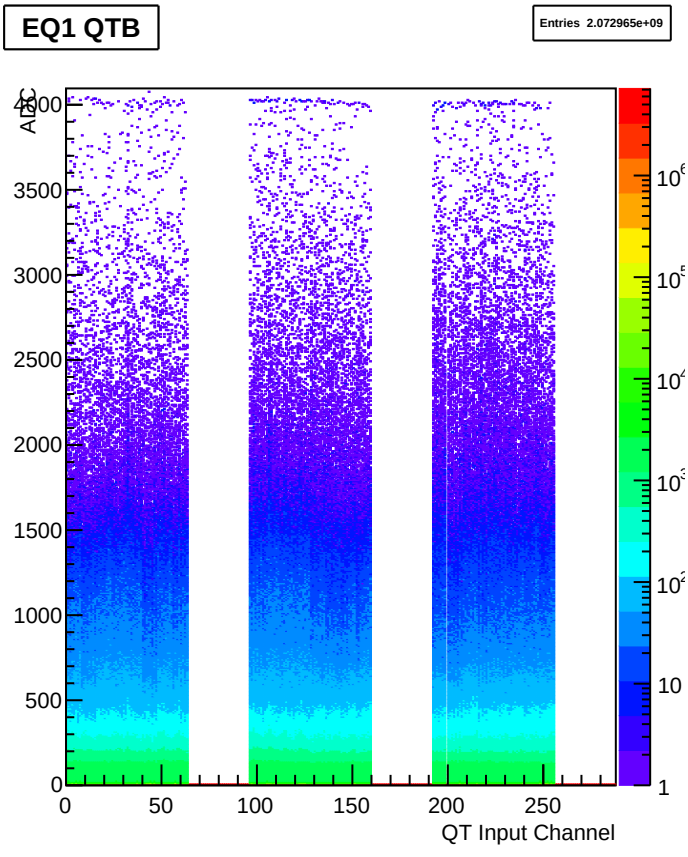

rawzdcWestTac
Entries7197796

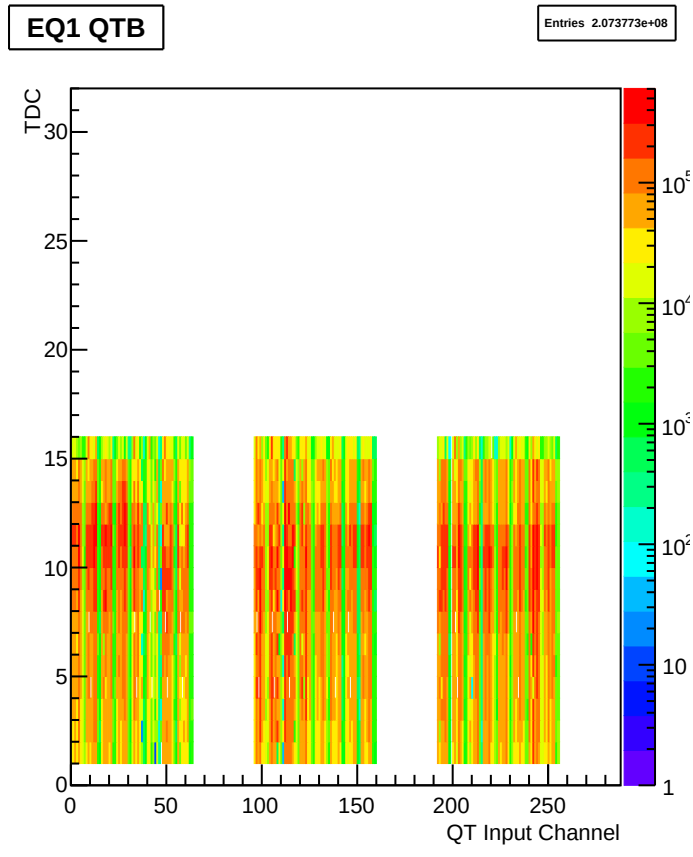

BBQ-VP001 East
Entries 1.151647e+08
ADC
QT Input Channel

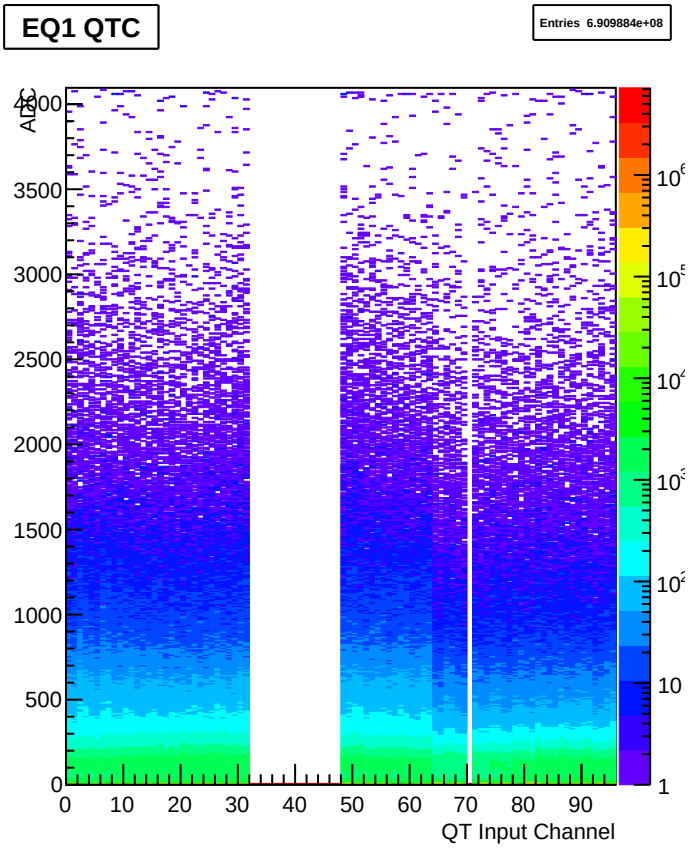

BBQ-VP001 East
Entries 1.151647e+08
ADC
QT Input Channel

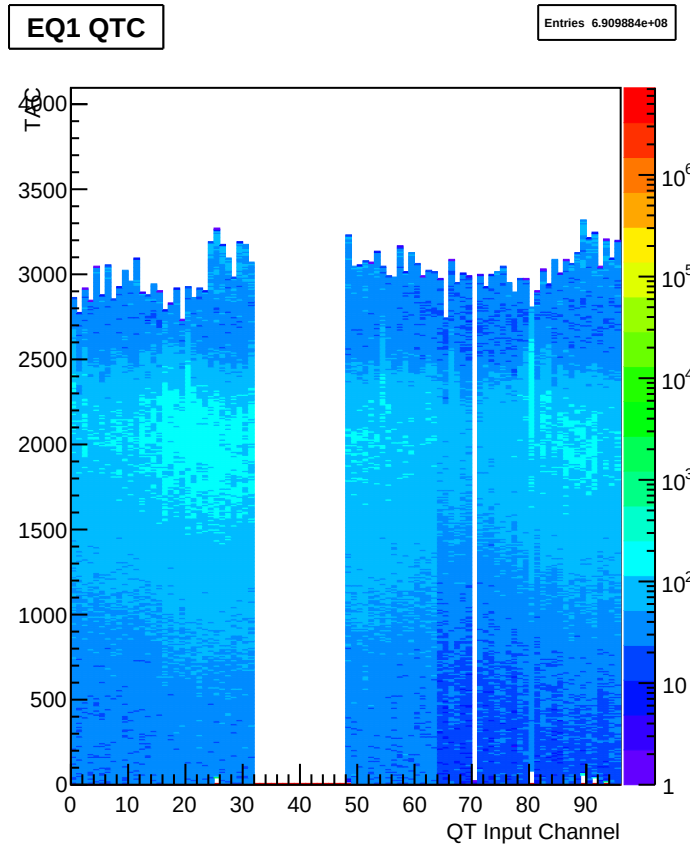

BBQ-VP002 West
Entries 1.151647e+08
ADC
QT Input Channel

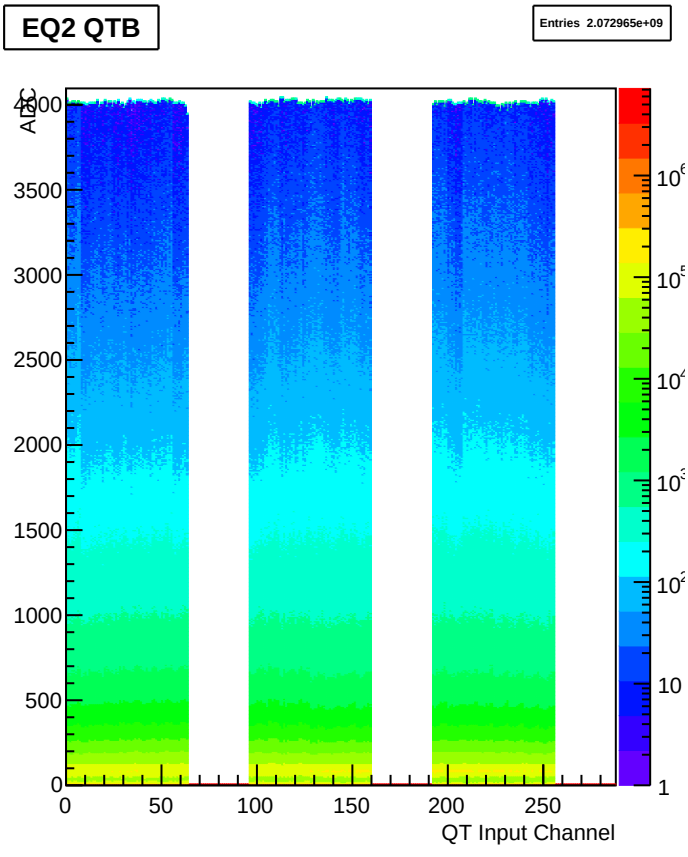

BBQ-VP002 West
Entries 1.151647e+08
ADC
QT Input Channel

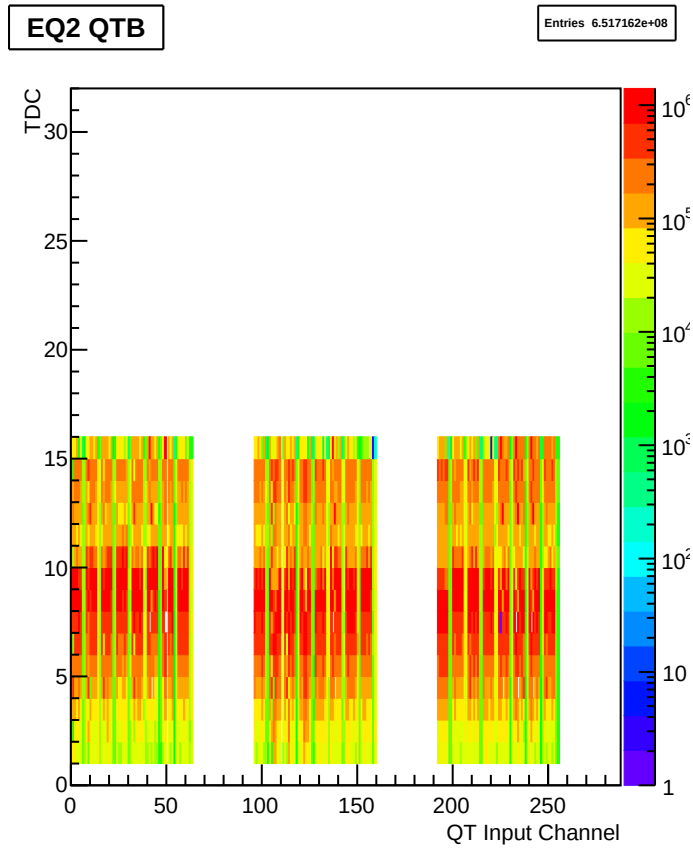

EQ1 QTB
Entries 2.072965e+09
ADC
QT Input Channel

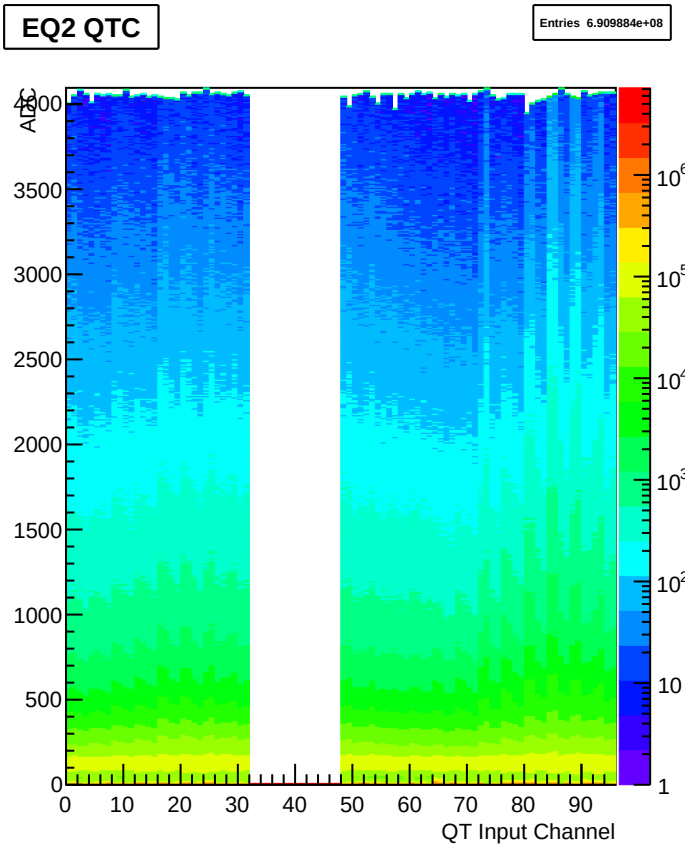

EQ1 QTB
Entries 2.073773e+08
TDC
QT Input Channel

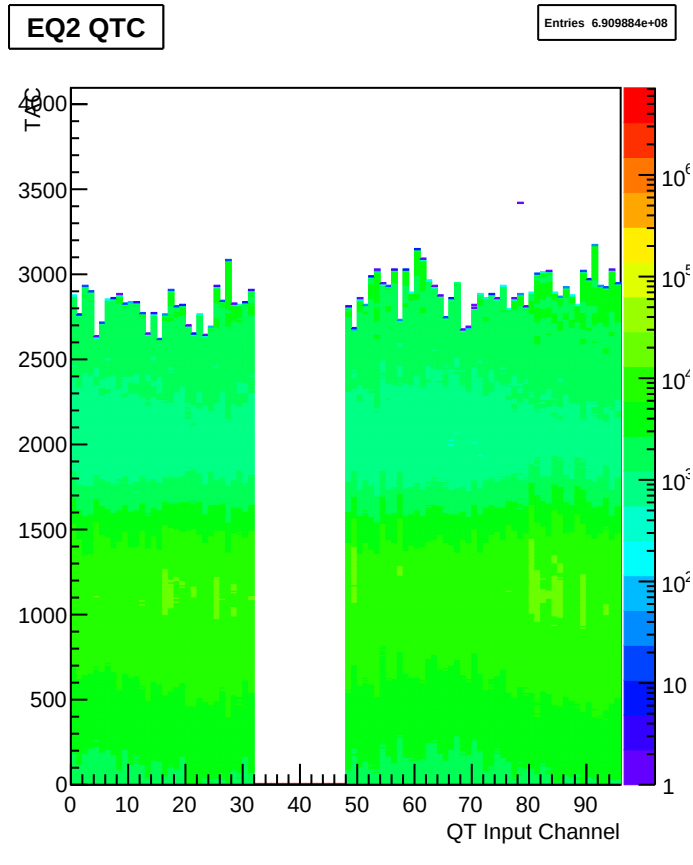

EQ1 QTC
Entries 6.909884e+08
ADC
QT Input Channel

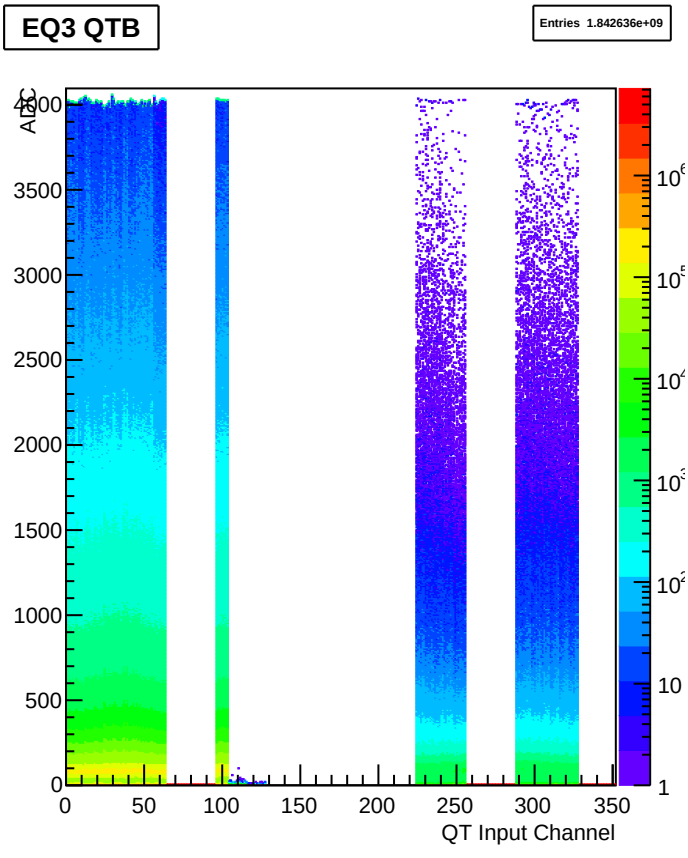

EQ1 QTC
Entries 6.909884e+08
TADC
QT Input Channel

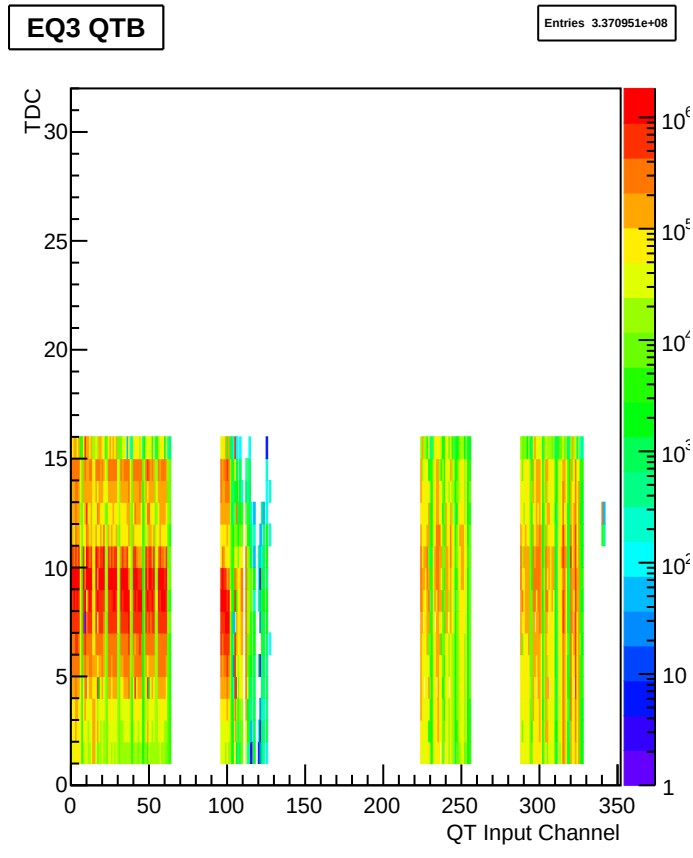

EQ2 QTB
Entries 2.072965e+09
ADC
QT Input Channel

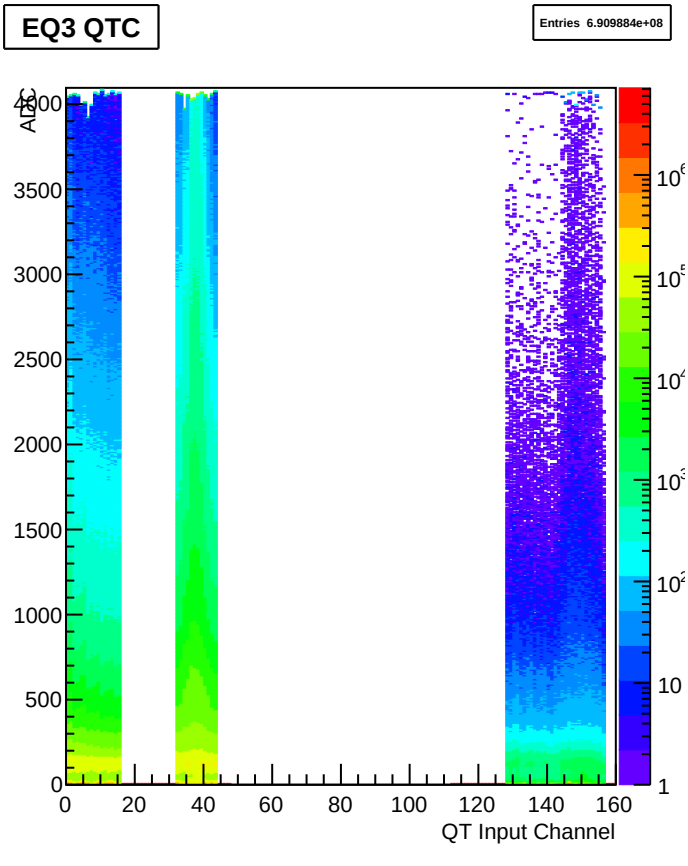

EQ2 QTB
Entries 6.517162e+08
TDC
QT Input Channel

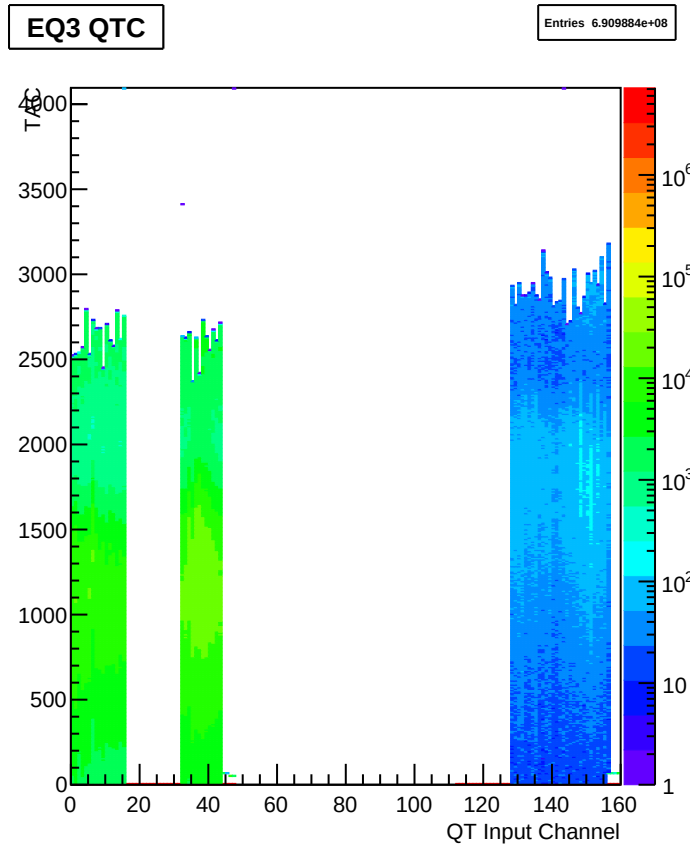

EQ2 QTC
Entries 6.909884e+08
ADC
QT Input Channel

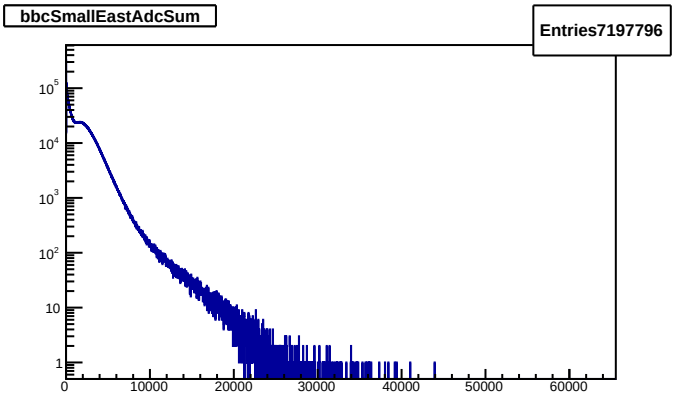

EQ2 QTC
Entries 6.909884e+08
TADC
QT Input Channel

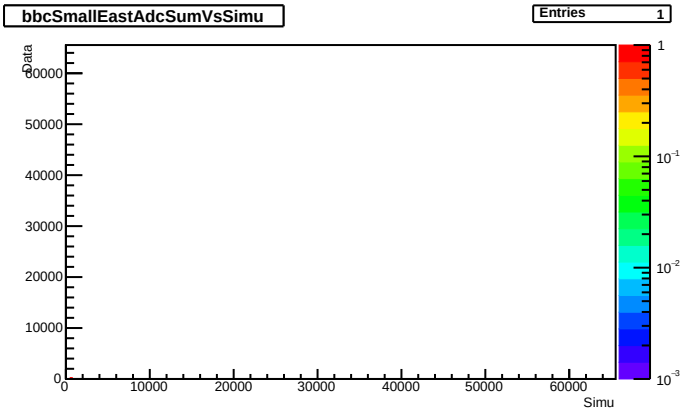

EQ3 QTB
Entries 1.842636e+09
ADC
QT Input Channel

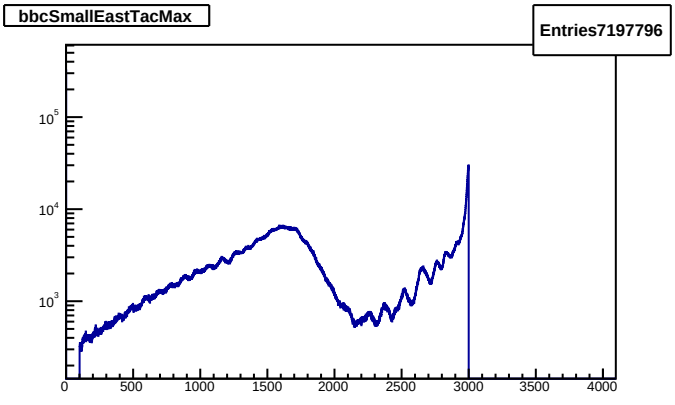

EQ3 QTB
Entries 3.370951e+08
TDC
QT Input Channel

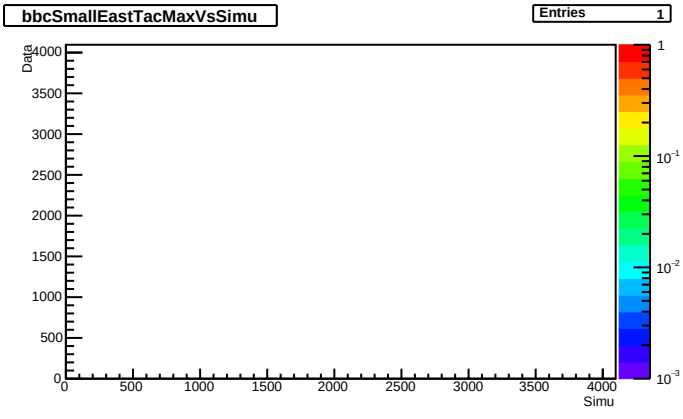

EQ3 QTC
Entries 6.909884e+08
ADC
QT Input Channel

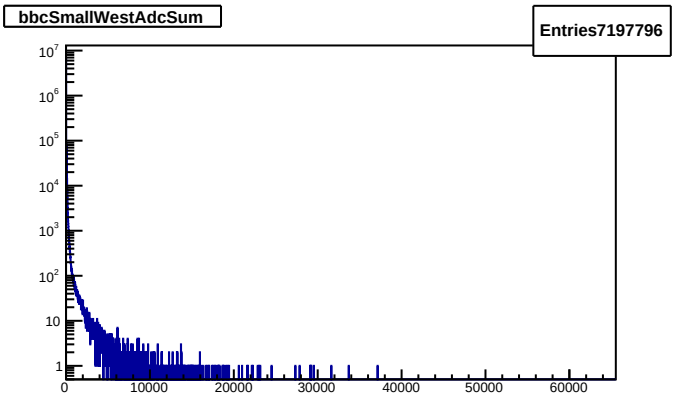

EQ3 QTC
Entries 6.909884e+08
TADC
QT Input Channel

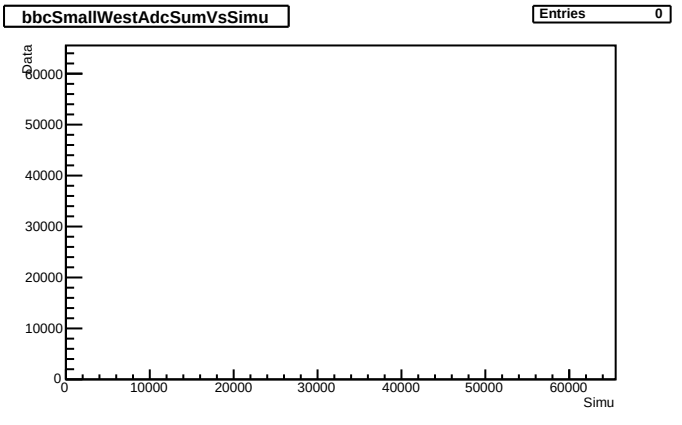

bbcSmallEastAdcSum
Entries7197796

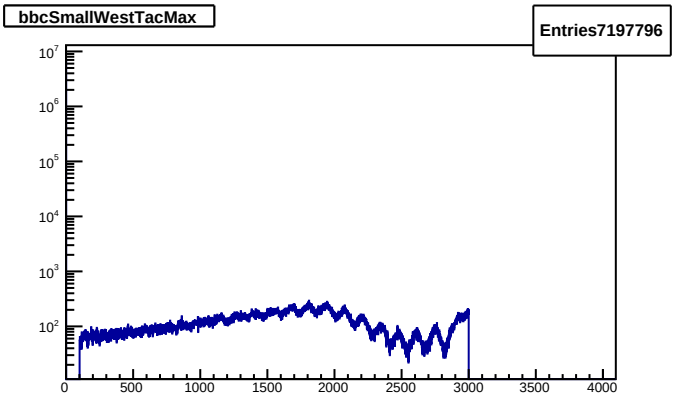

bbcSmallEastAdcSumVsSimu
Entries 1
Data
Simu

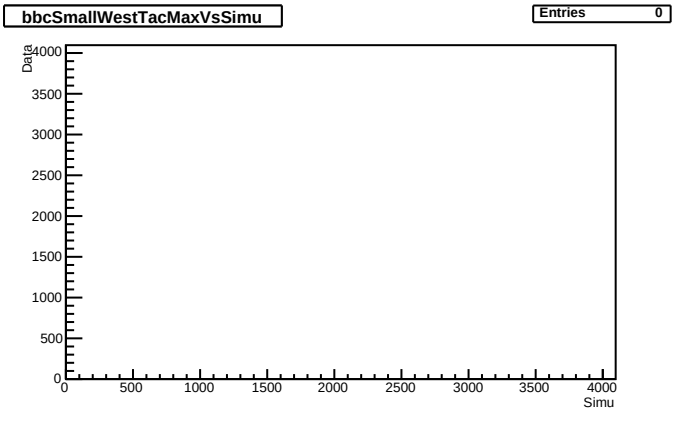

bbcSmallEastTacMax
Entries7197796

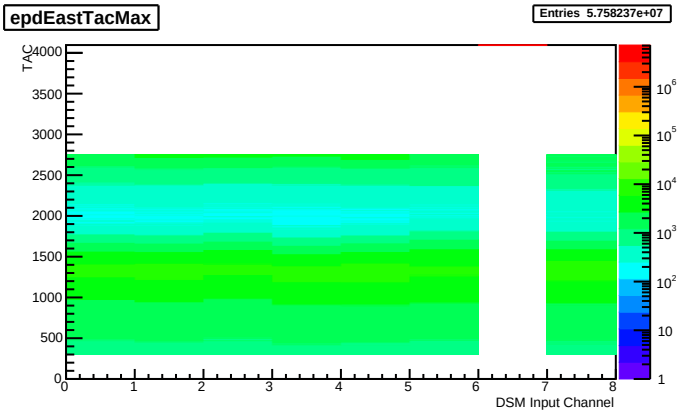

bbcSmallEastTacMaxVsSimu
Entries 1
Data
Simu

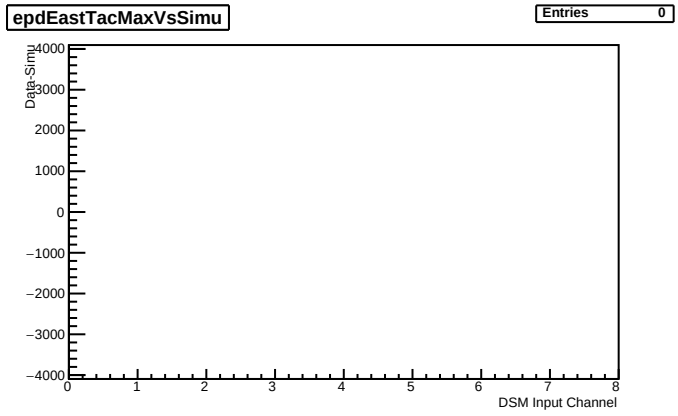

bbcSmallWestAdcSum
Entries7197796

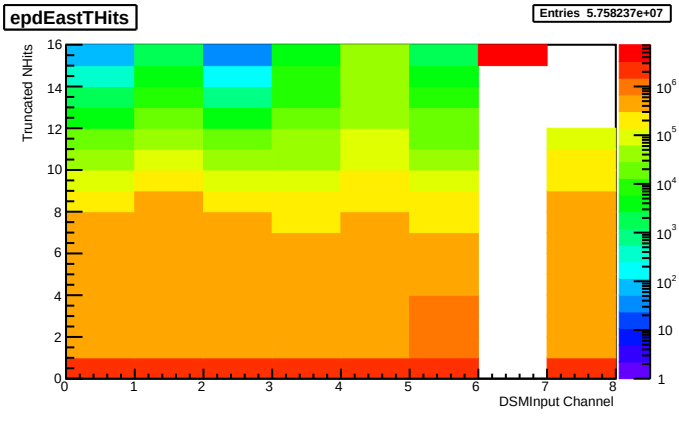

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

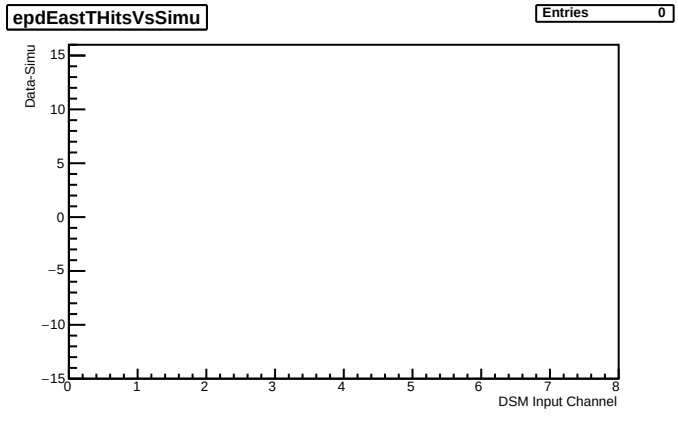

bbcSmallWestTacMax
Entries7197796

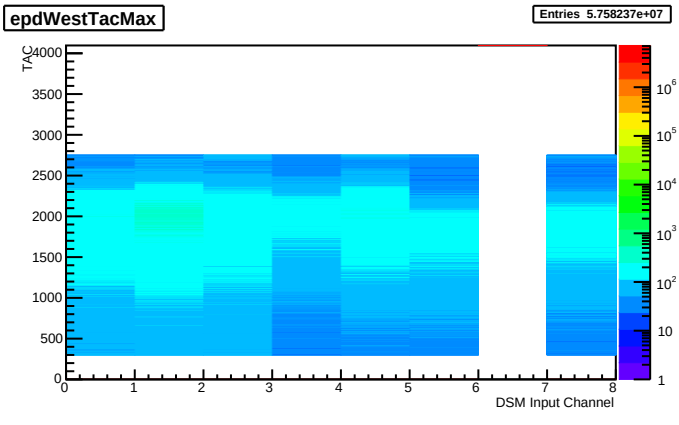

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

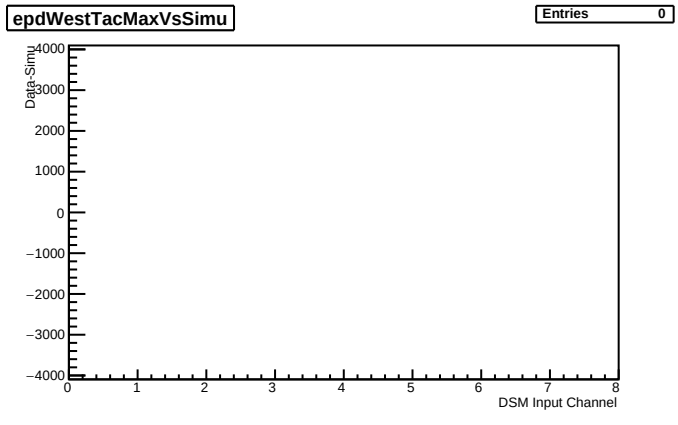

epdEastTacMax
Entries 5.758237e+07
TAC
DSM Input Channel

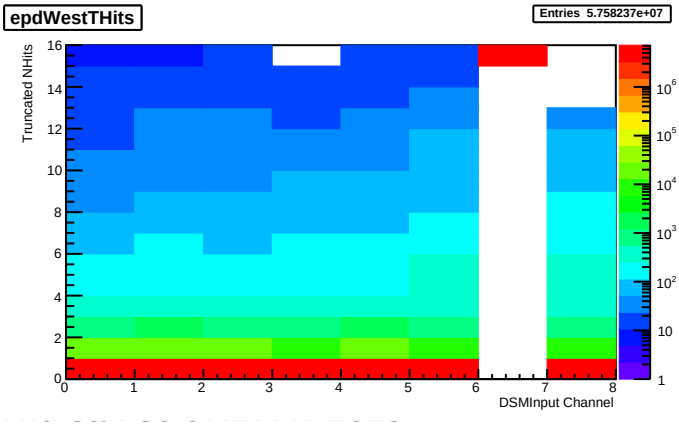

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

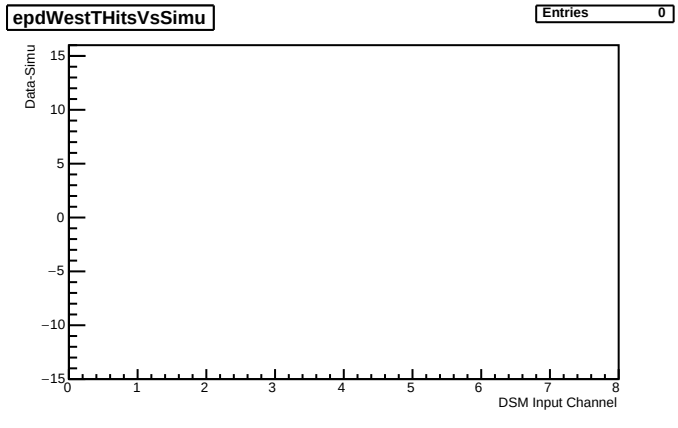

epdEastTHits
Entries 5.758237e+07
Truncated NHits
DSMInput Channel

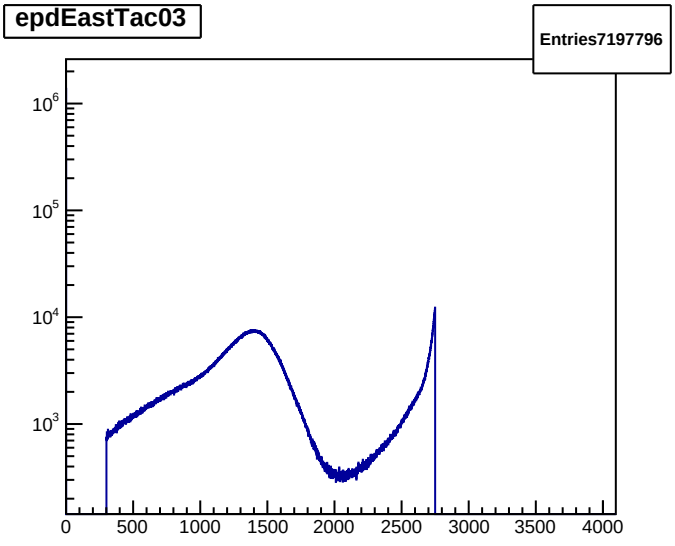

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

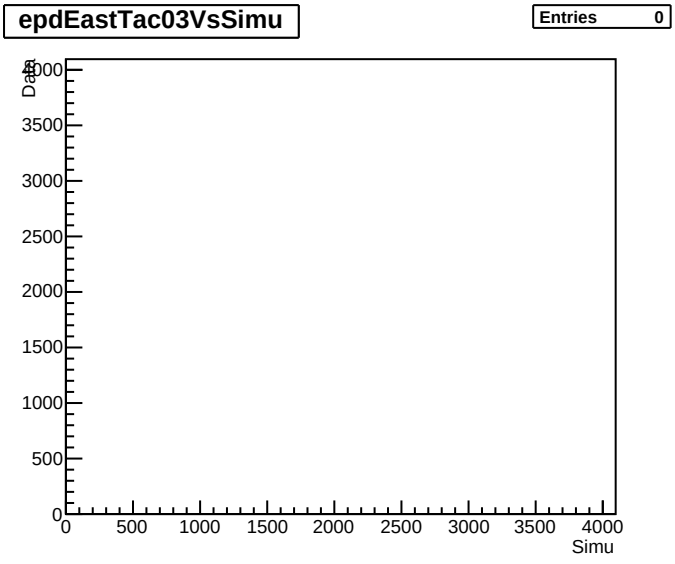

epdWestTacMax
Entries 5.758237e+07
TAC
DSM Input Channel


epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 5.758237e+07
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries7197796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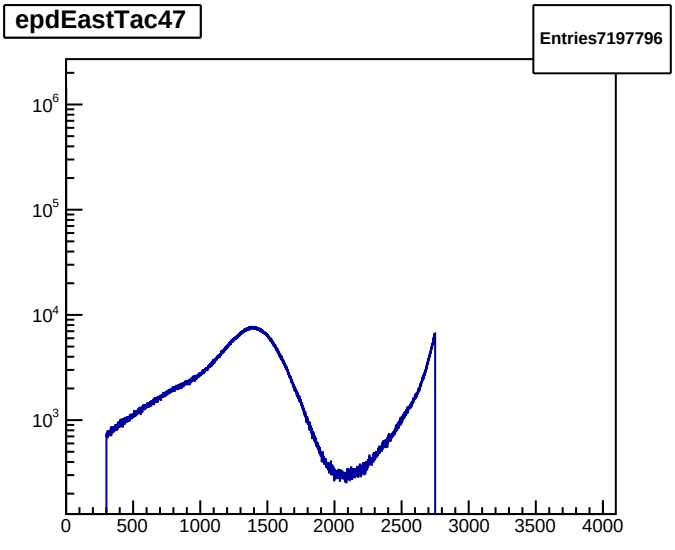
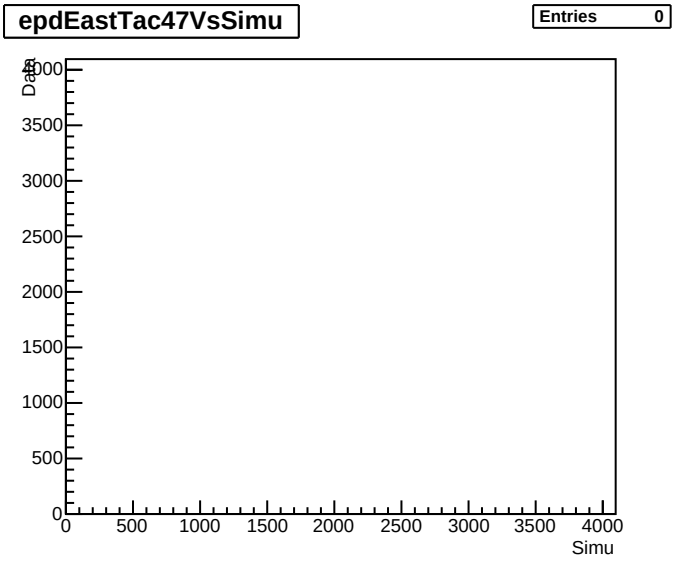
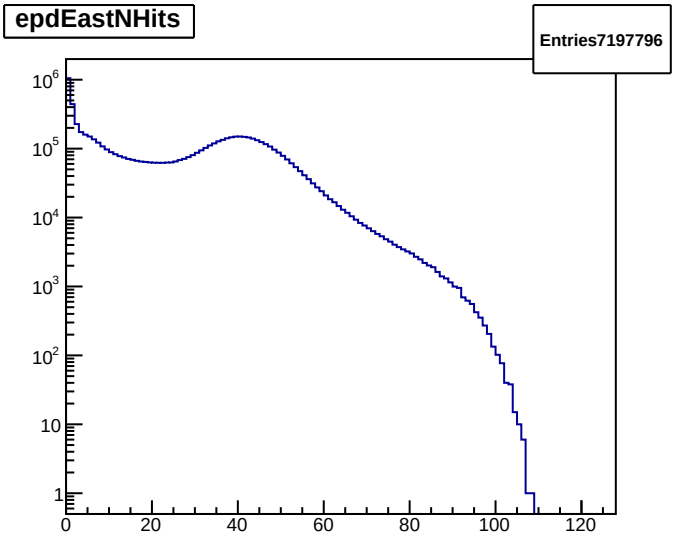
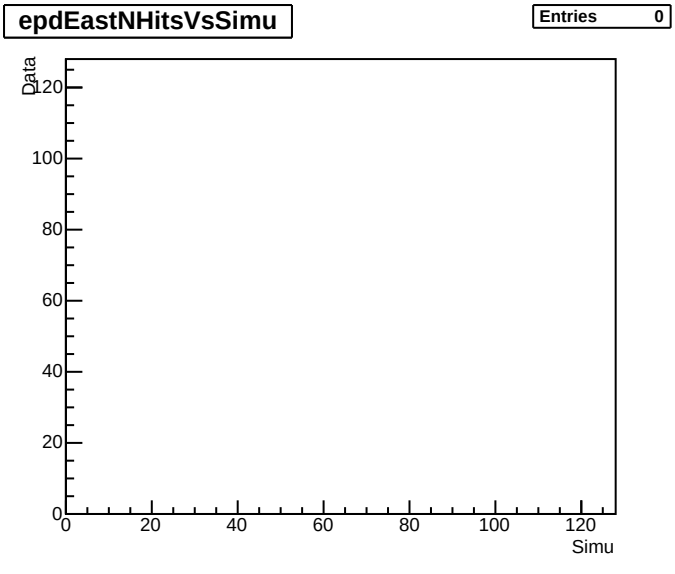
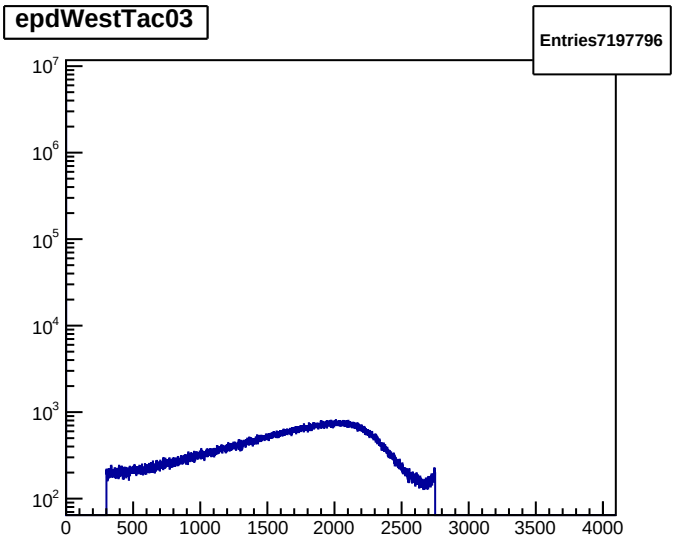
Entries 0
Data
Simu

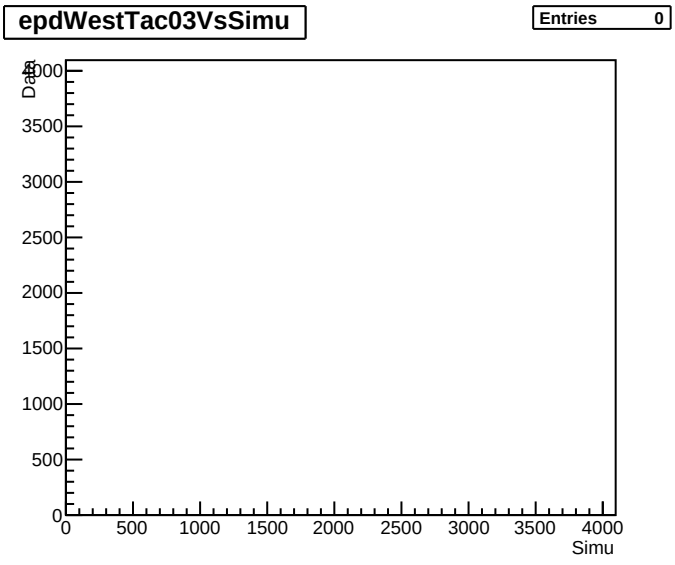

epdEastTac47
Entries7197796


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries7197796


epdEastNHitsVsSimu
Entries 0
Data
Simu


epdWestTac03
Entries7197796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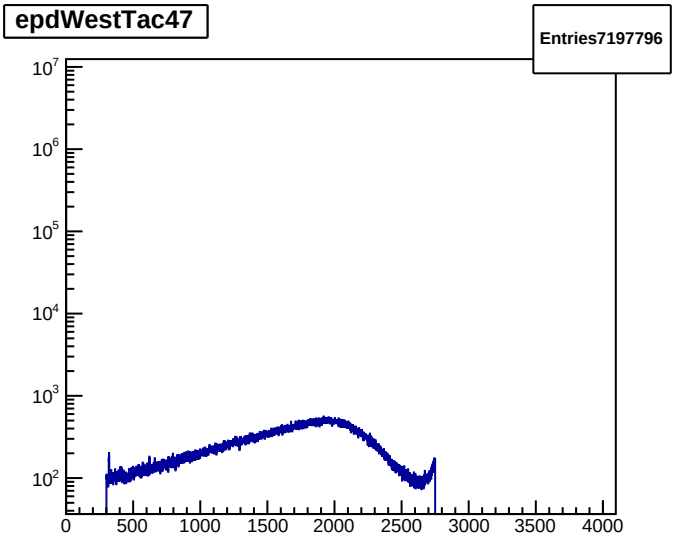
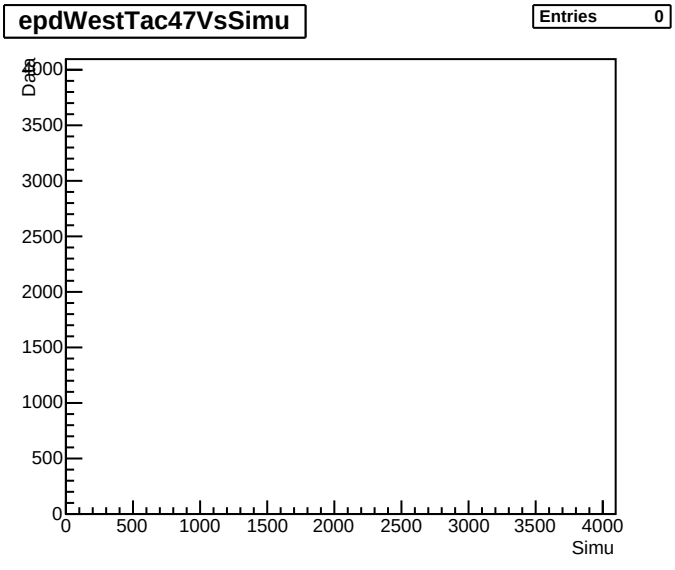
Entries 0
Data
Simu


epdWestTac47
Entries7197796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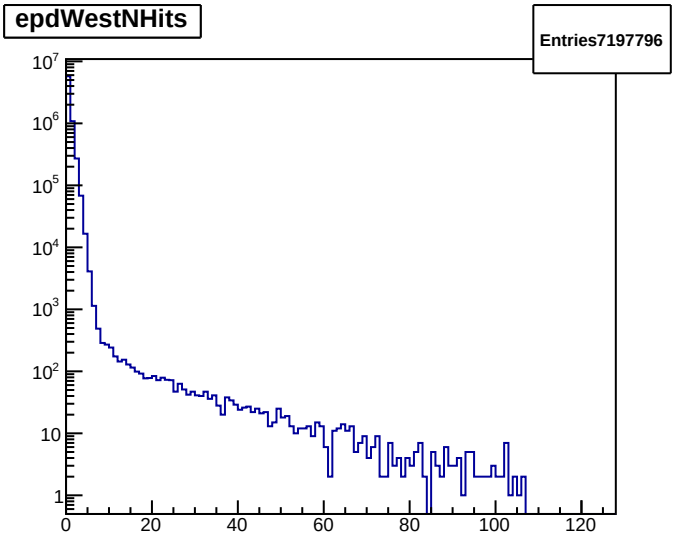
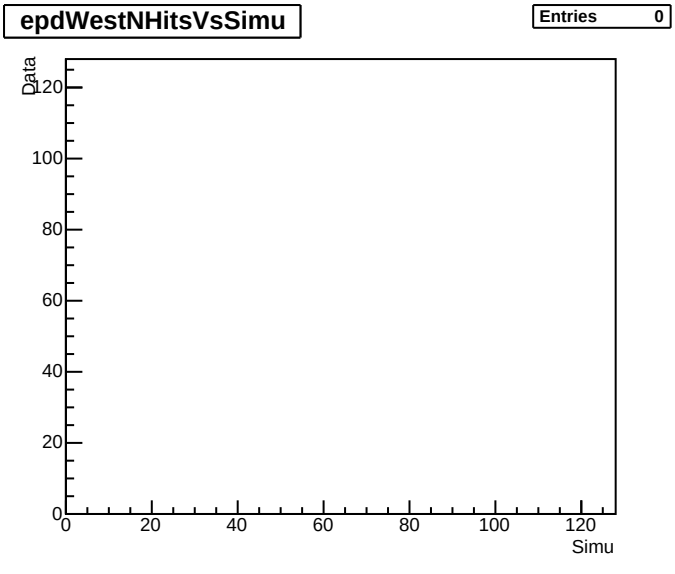
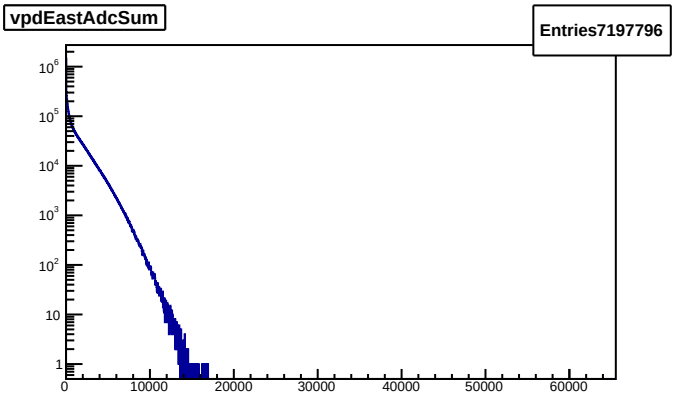
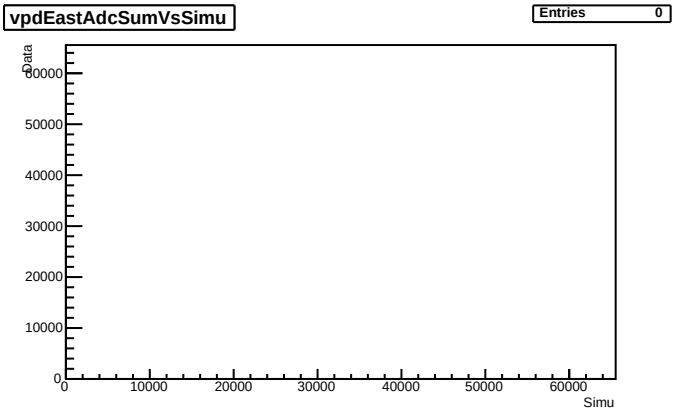
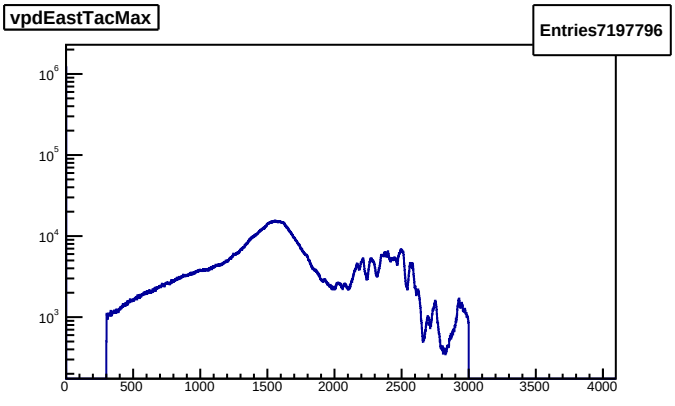
Entries 0
Data
Simu

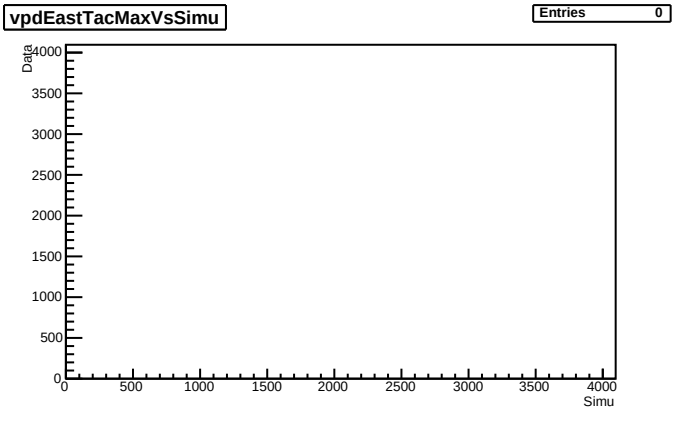

epdWestNHits
Entries7197796

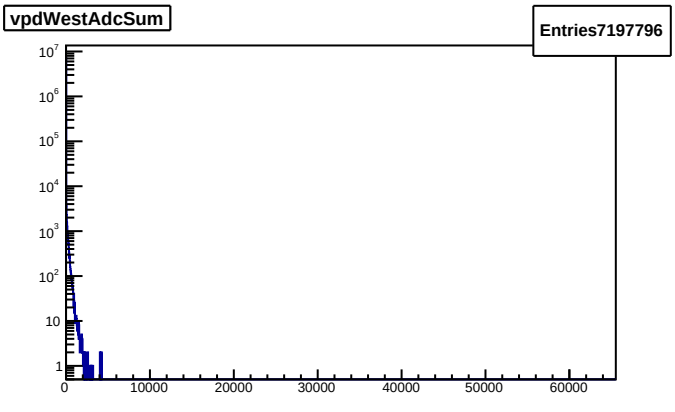

epdWestNHitsVsSimu
Entries 0
Data
Simu

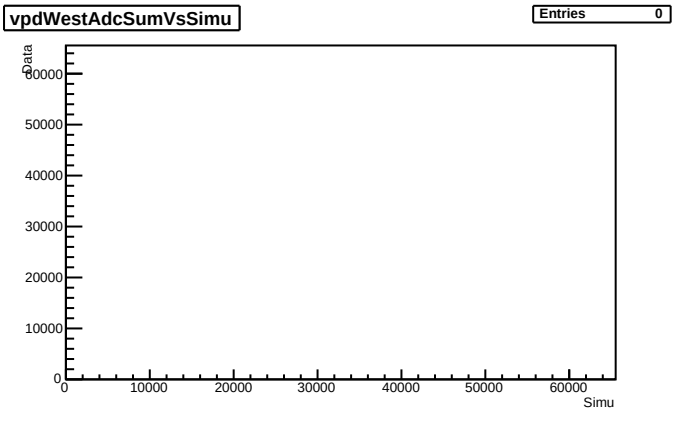

vpdEastAdcSum
Entries7197796

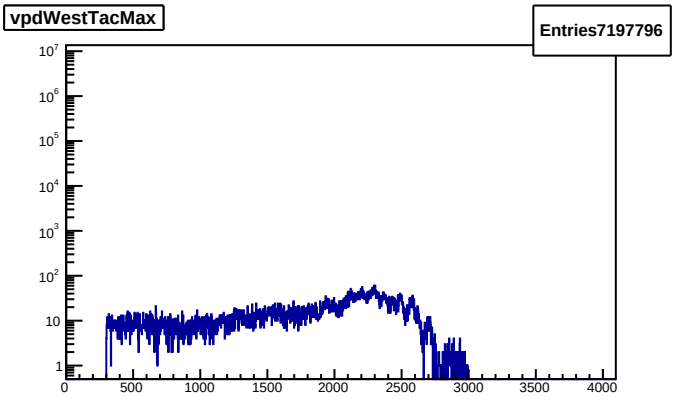

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

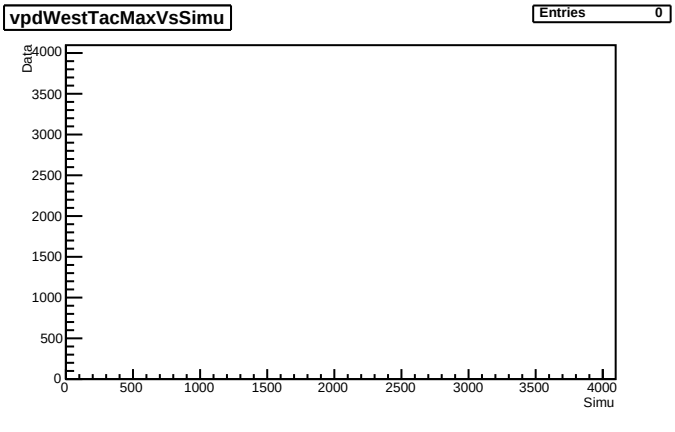

vpdEastTacMax
Entries7197796

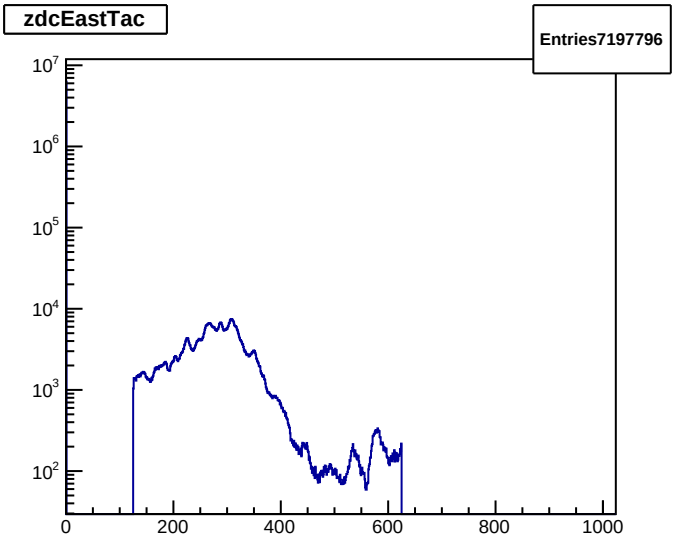

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

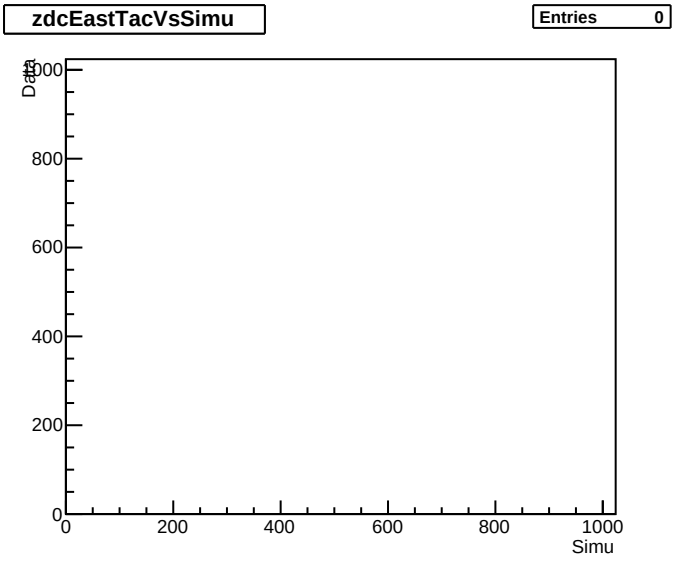

vpdWestAdcSum
Entries7197796

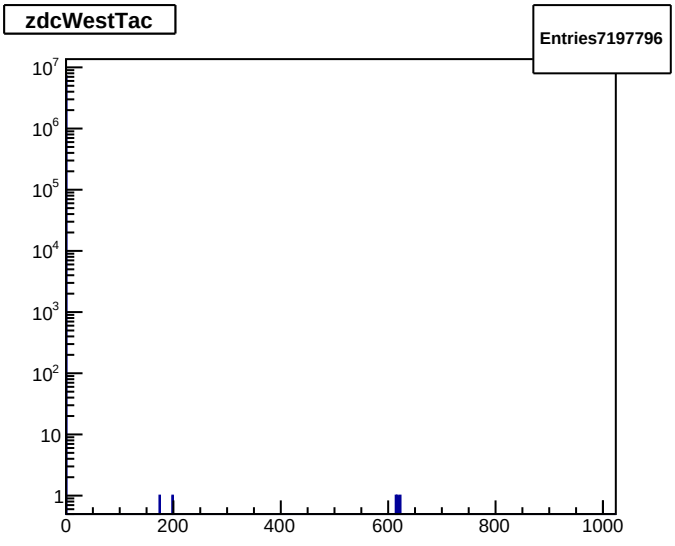

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

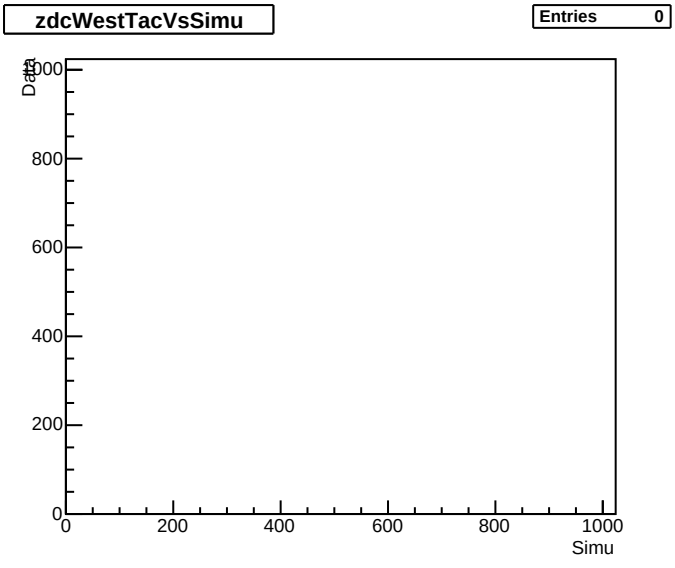

vpdWestTacMax
Entries7197796

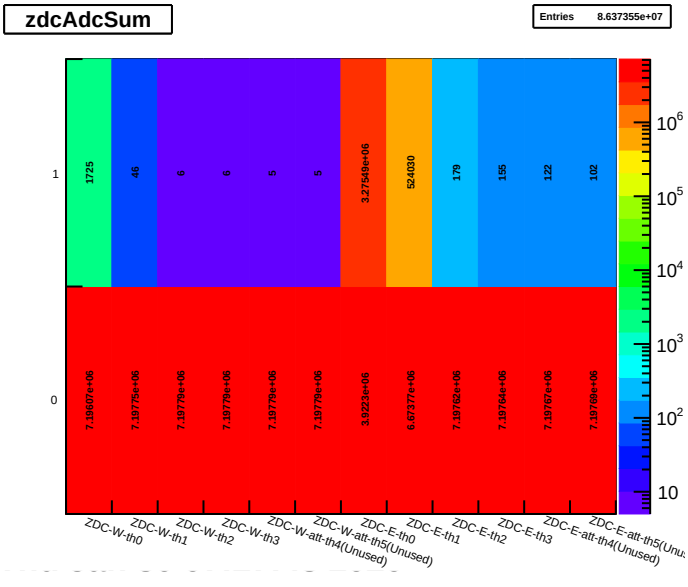

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

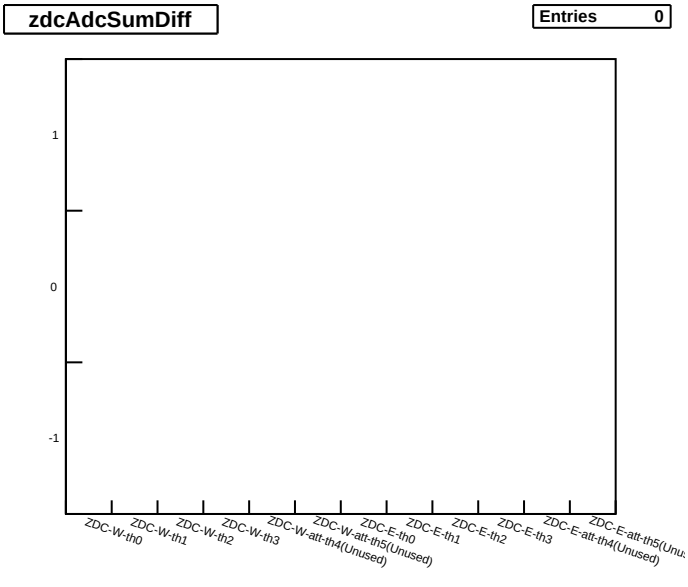

zdcEastTac
Entries7197796

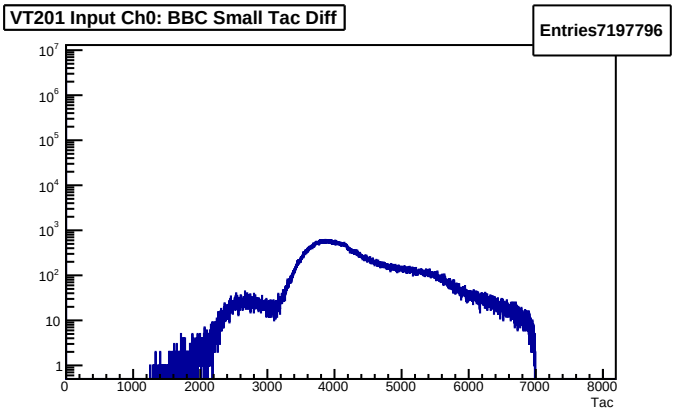

zdcEastTacVsSimu
Entries 0
Data
Simu

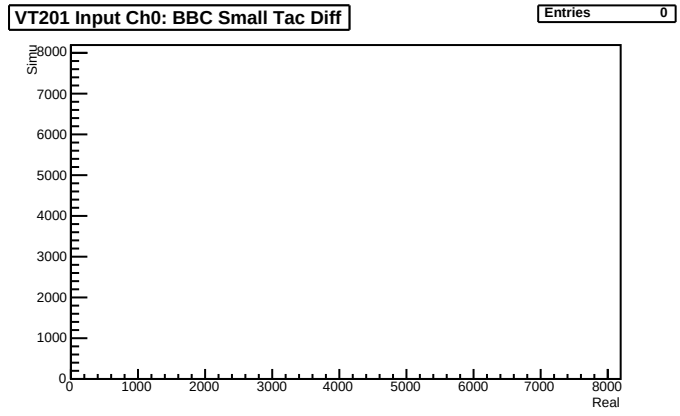

zdcWestTac
Entries7197796

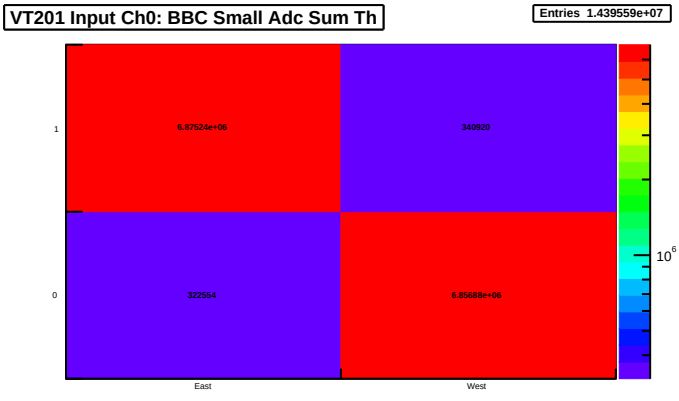

zdcWestTacVsSimu
Entries 0
Data
Simu

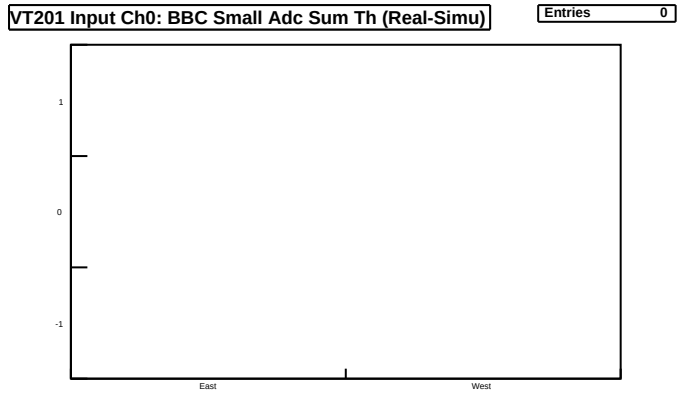

zdcAdcSum
Entries 8.637355e+07
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

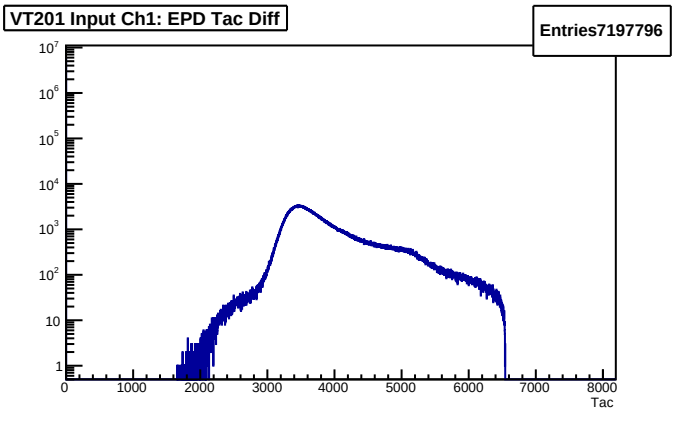

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

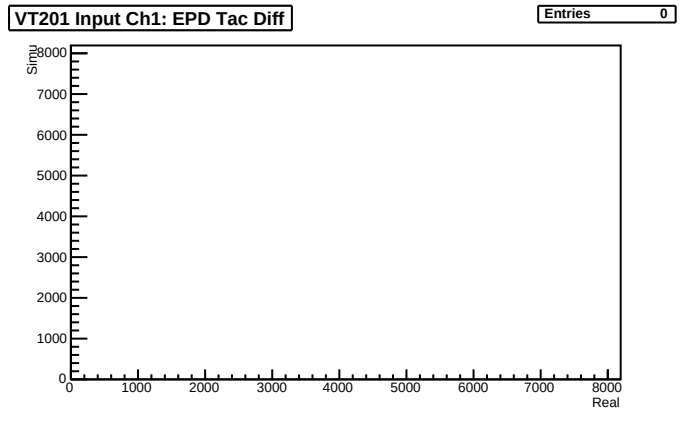

VT201 Input Ch0: BBC Small Tac Diff
Entries7197796
Tac

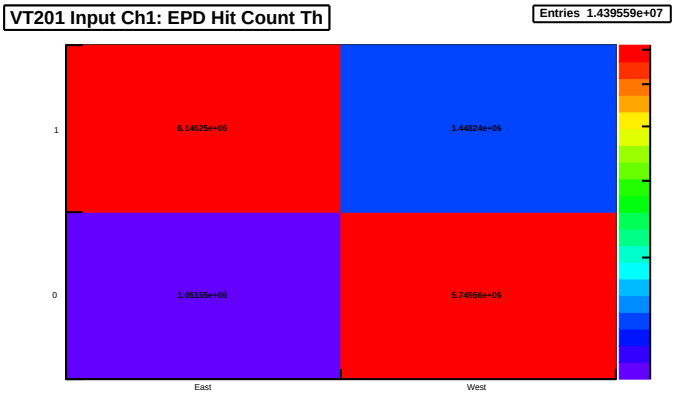

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

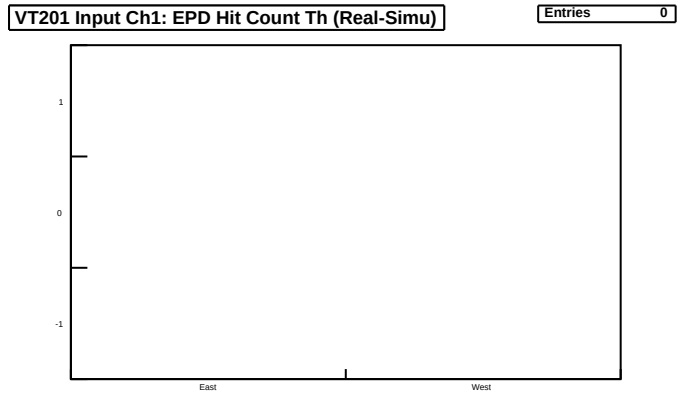

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1.439559e+07
6.87524e+06
340920
322554
6.85688e+06
East
West

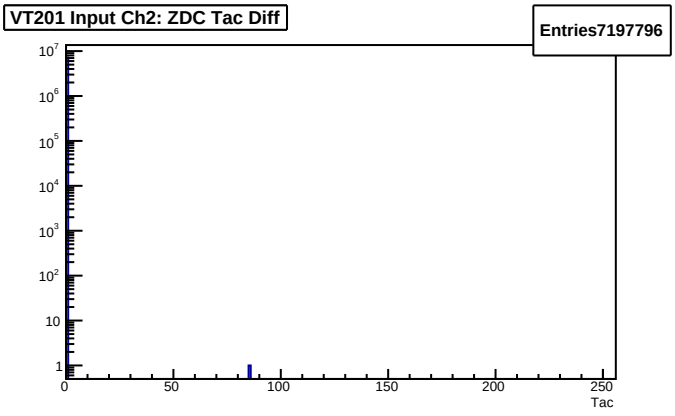

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

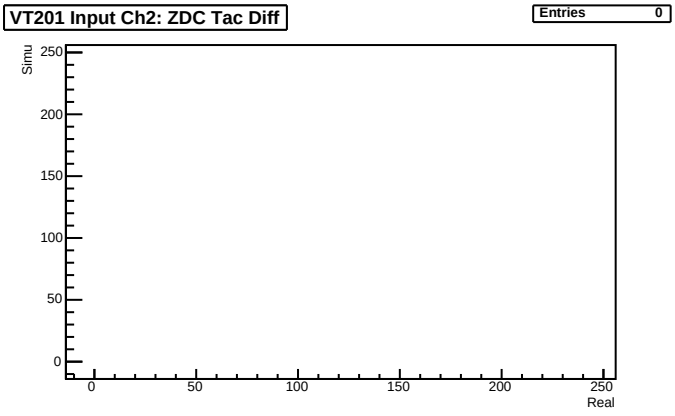

VT201 Input Ch1: EPD Tac Diff
Entries7197796
Tac

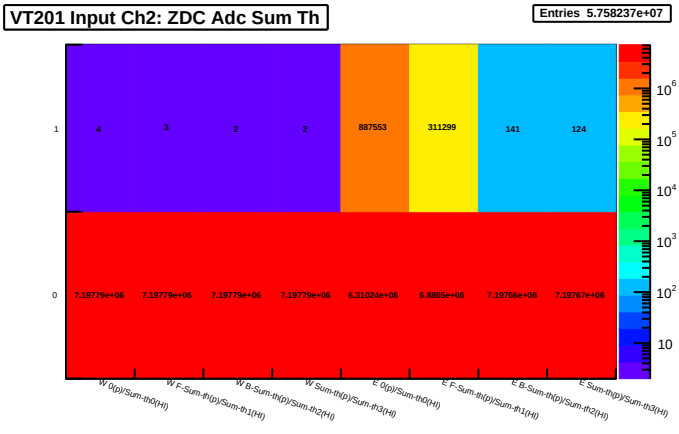

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

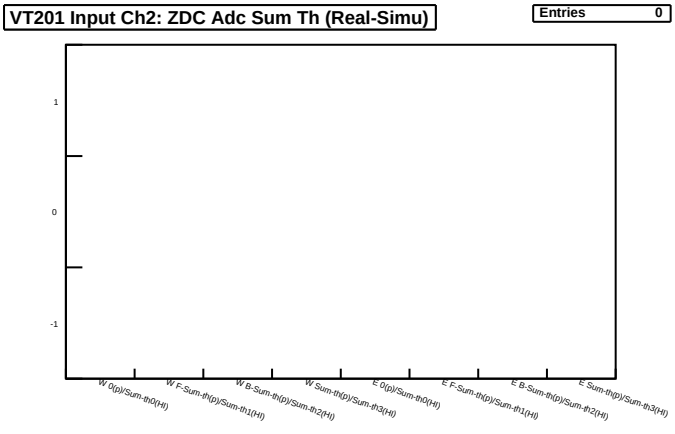

VT201 Input Ch1: EPD Hit Count Th
Entries 1.439559e+07
6.14625e+06
1.44824e+06
1.05155e+06
5.74956e+06
East
West

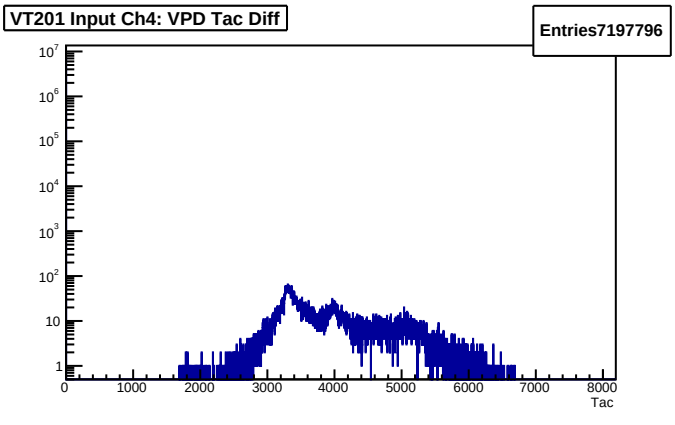

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

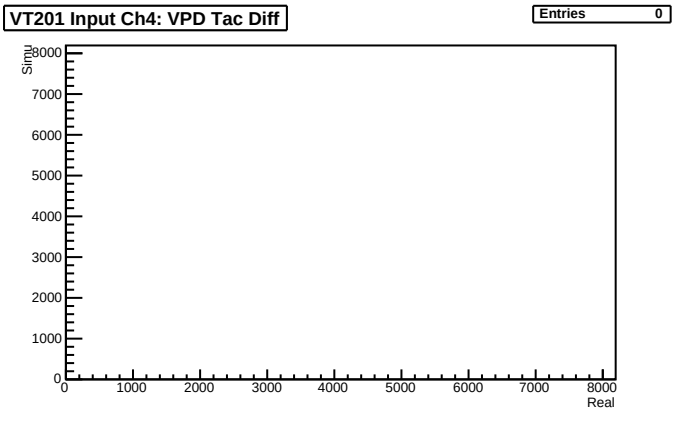

VT201 Input Ch2: ZDC Tac Diff
Entries7197796
Tac

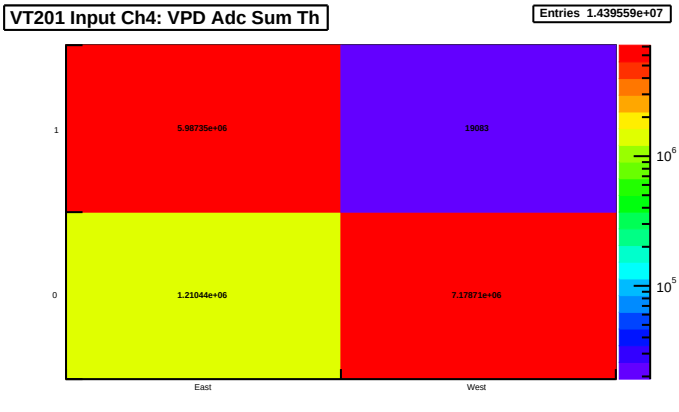

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

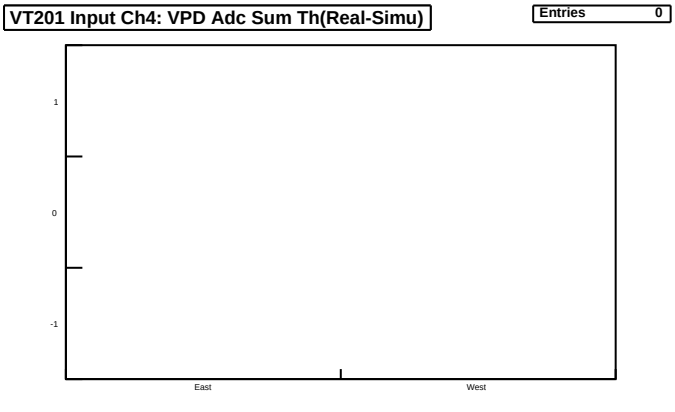

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5.758237e+07
4
3
2
2
887553
311299
141
124
7.19779e+06
7.19779e+06
7.19779e+06
7.19779e+06
6.31024e+06
6.8865e+06
7.19766e+06
7.19767e+06
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

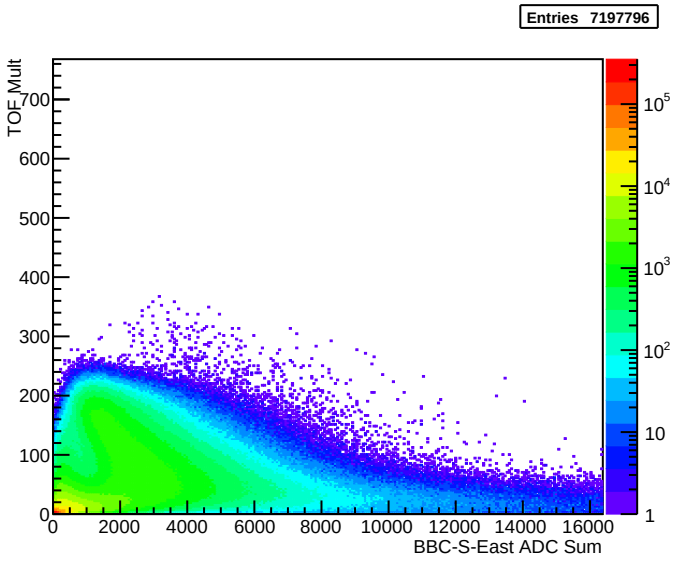

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

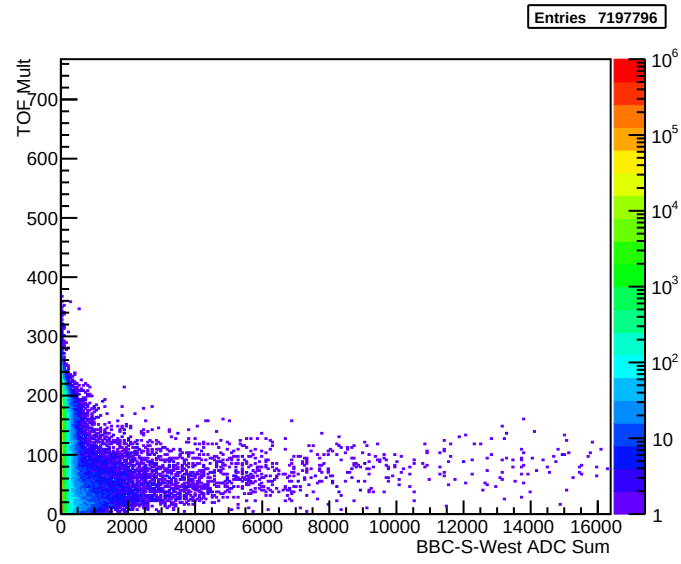

VT201 Input Ch4: VPD Tac Diff
Entries7197796
Tac

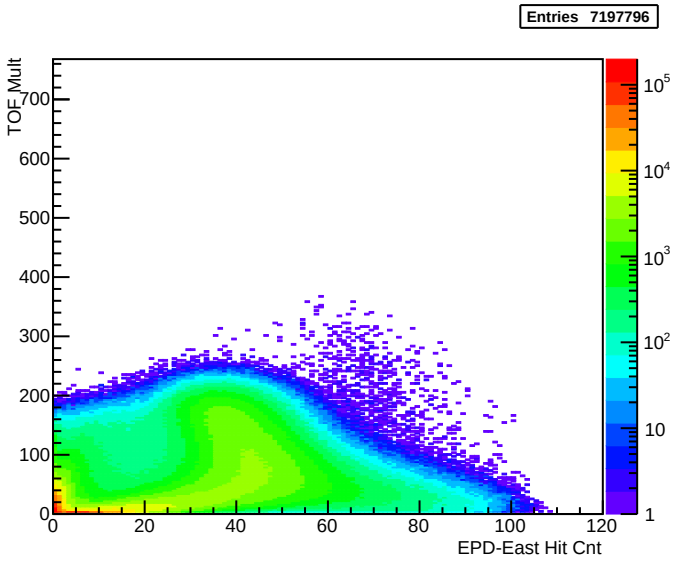

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

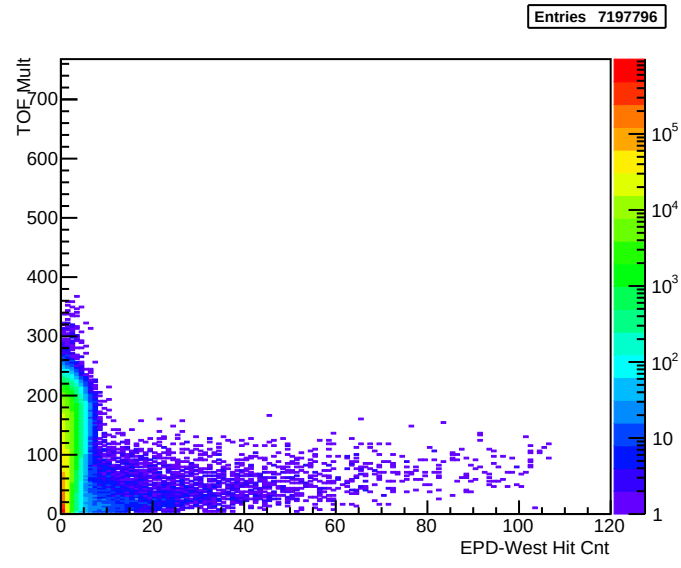

VT201 Input Ch4: VPD Adc Sum Th
Entries 1.439559e+07
5.98735e+06
19083
1.21044e+06
7.17871e+06
East
West

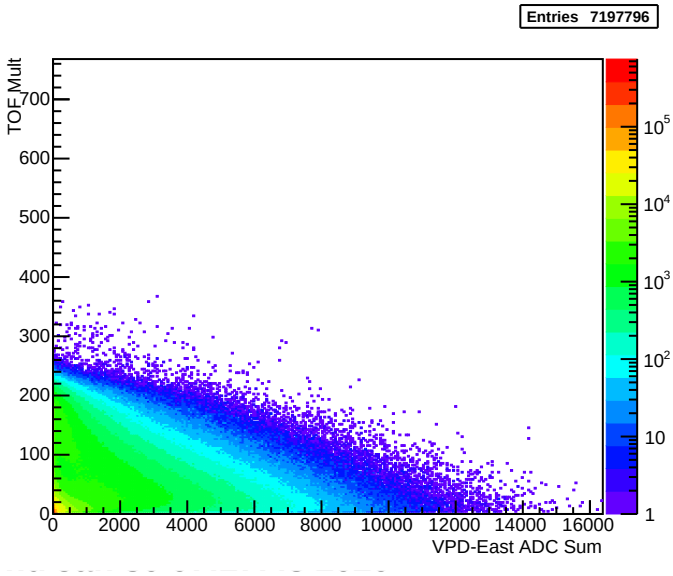

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

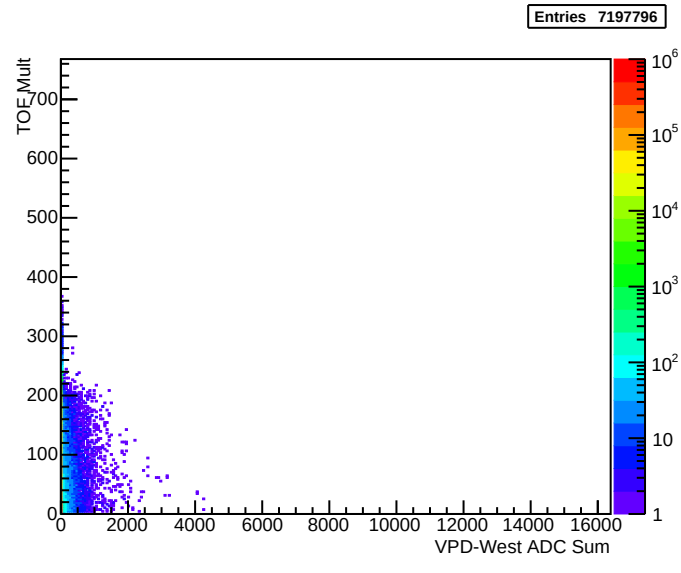

Entries 7197796
TOF_Mult
BBC-S-East ADC Sum

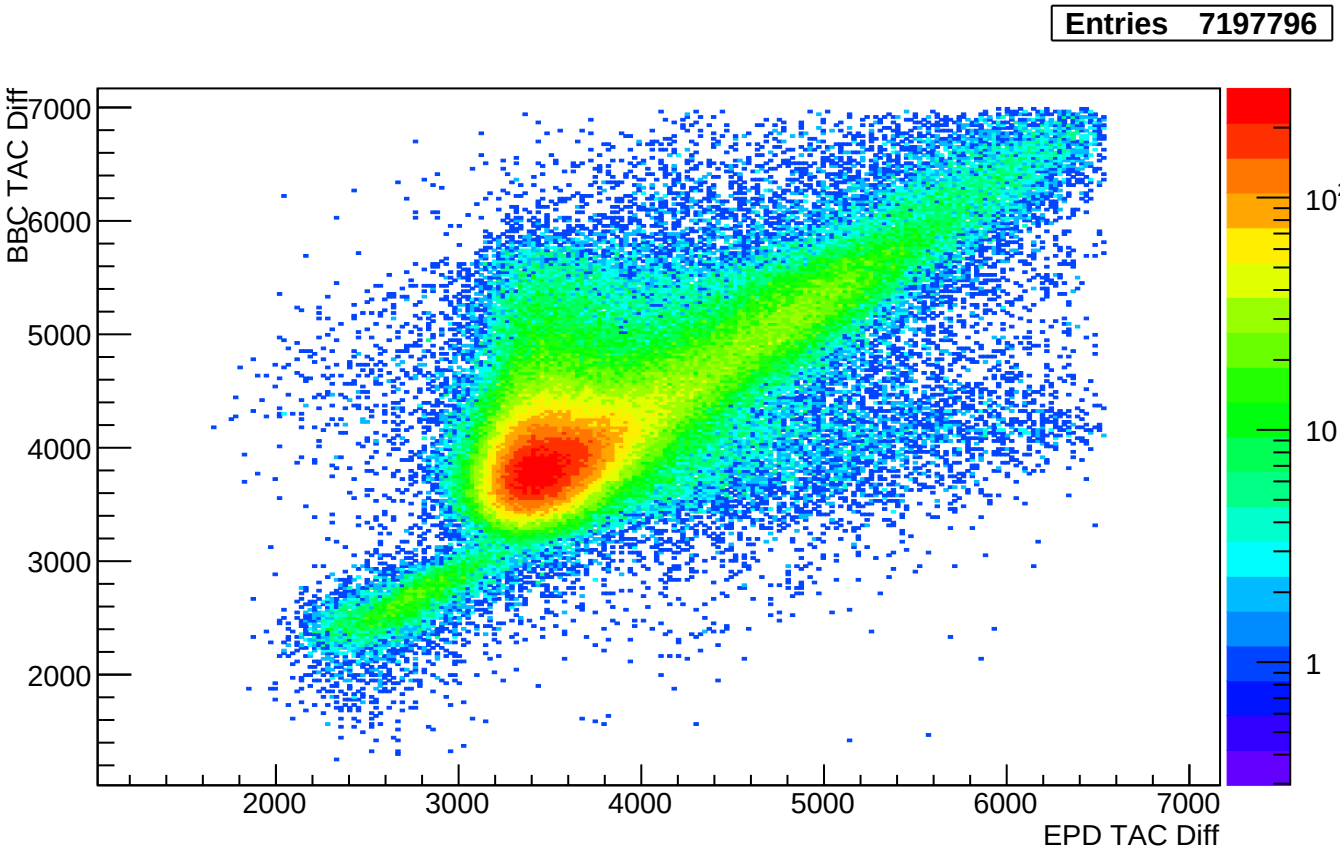

Entries 7197796
TOF_Mult
BBC-S-West ADC Sum

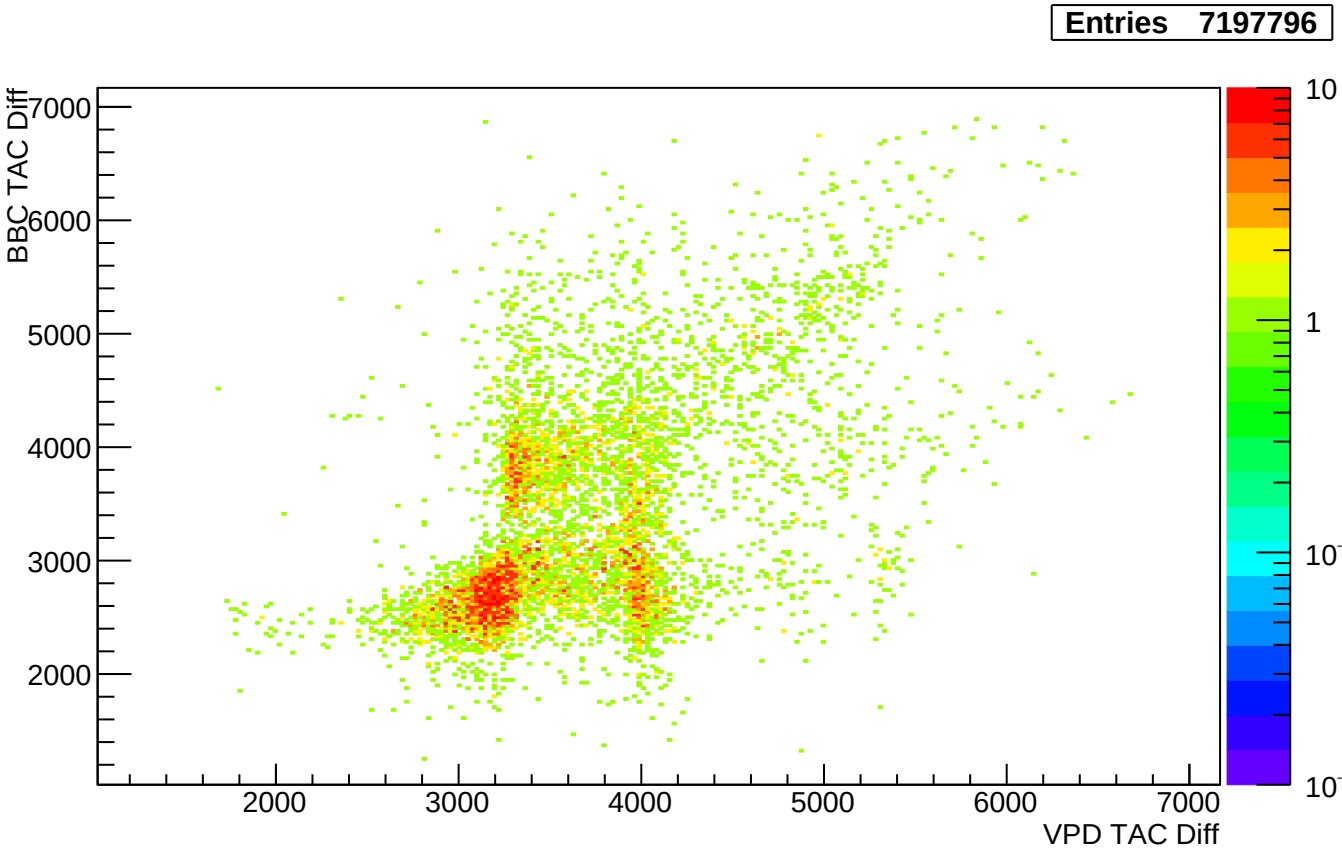

Entries 7197796
TOF_Mult
EPD-East Hit Cnt

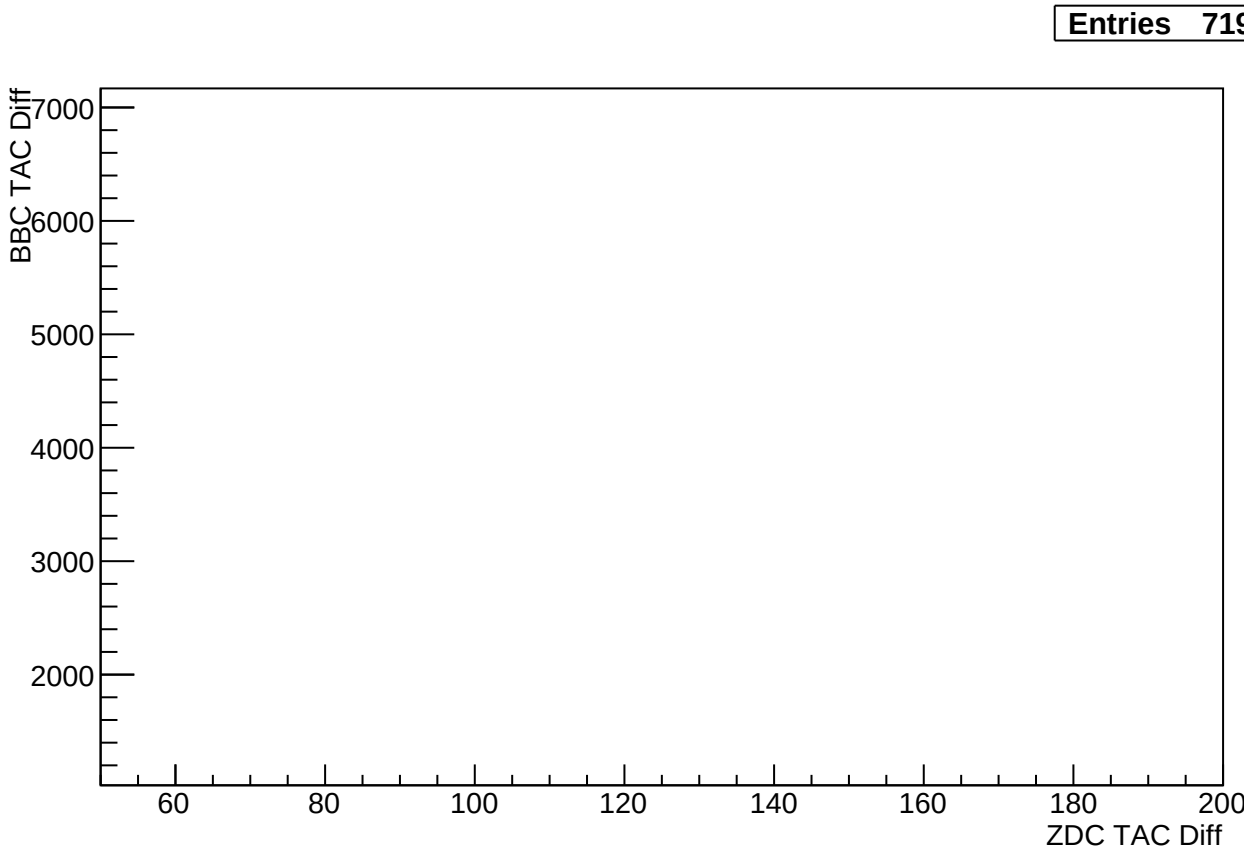

Entries 7197796
TOF_Mult
EPD-West Hit Cnt

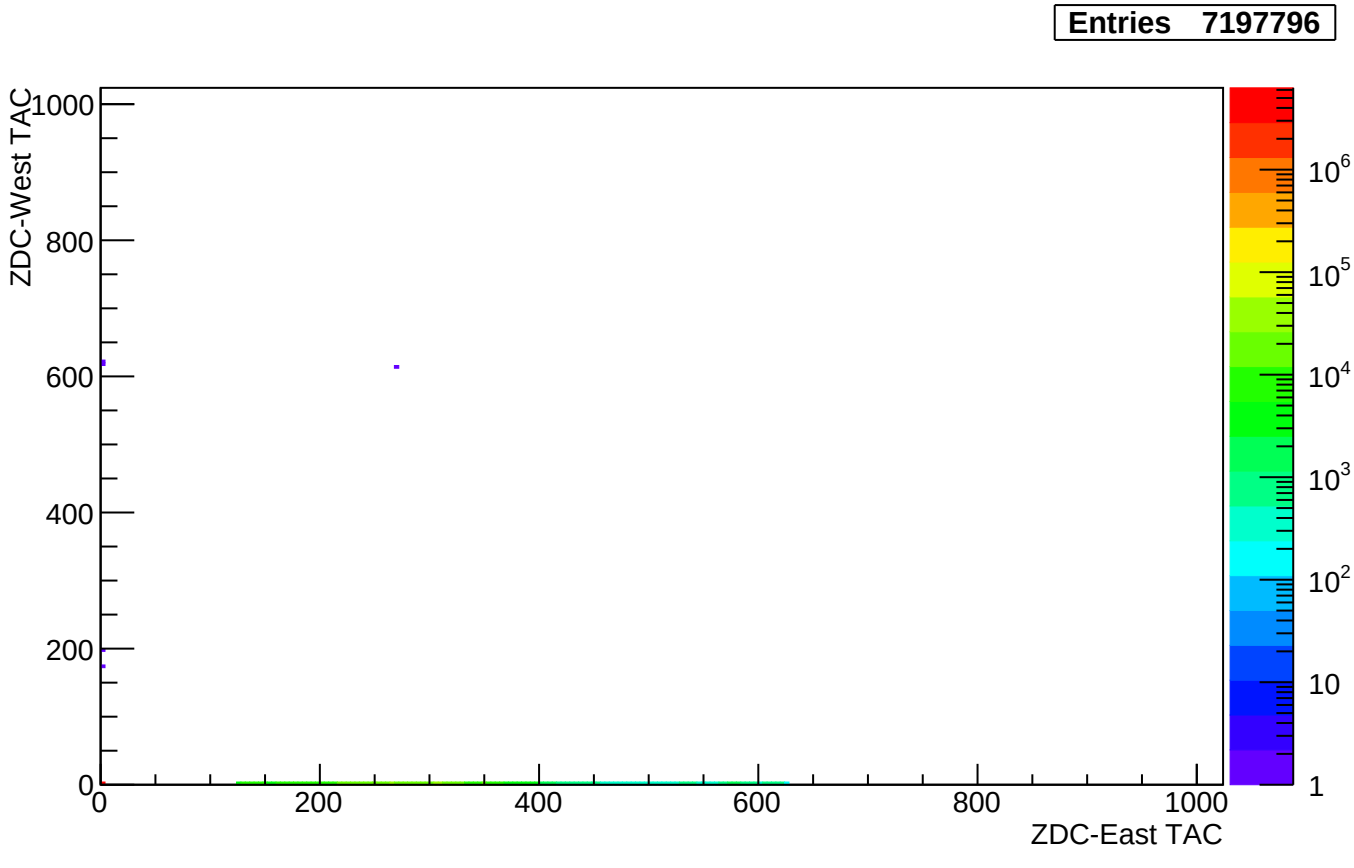

Entries 7197796
TOF_Mult
VPD-East ADC Sum

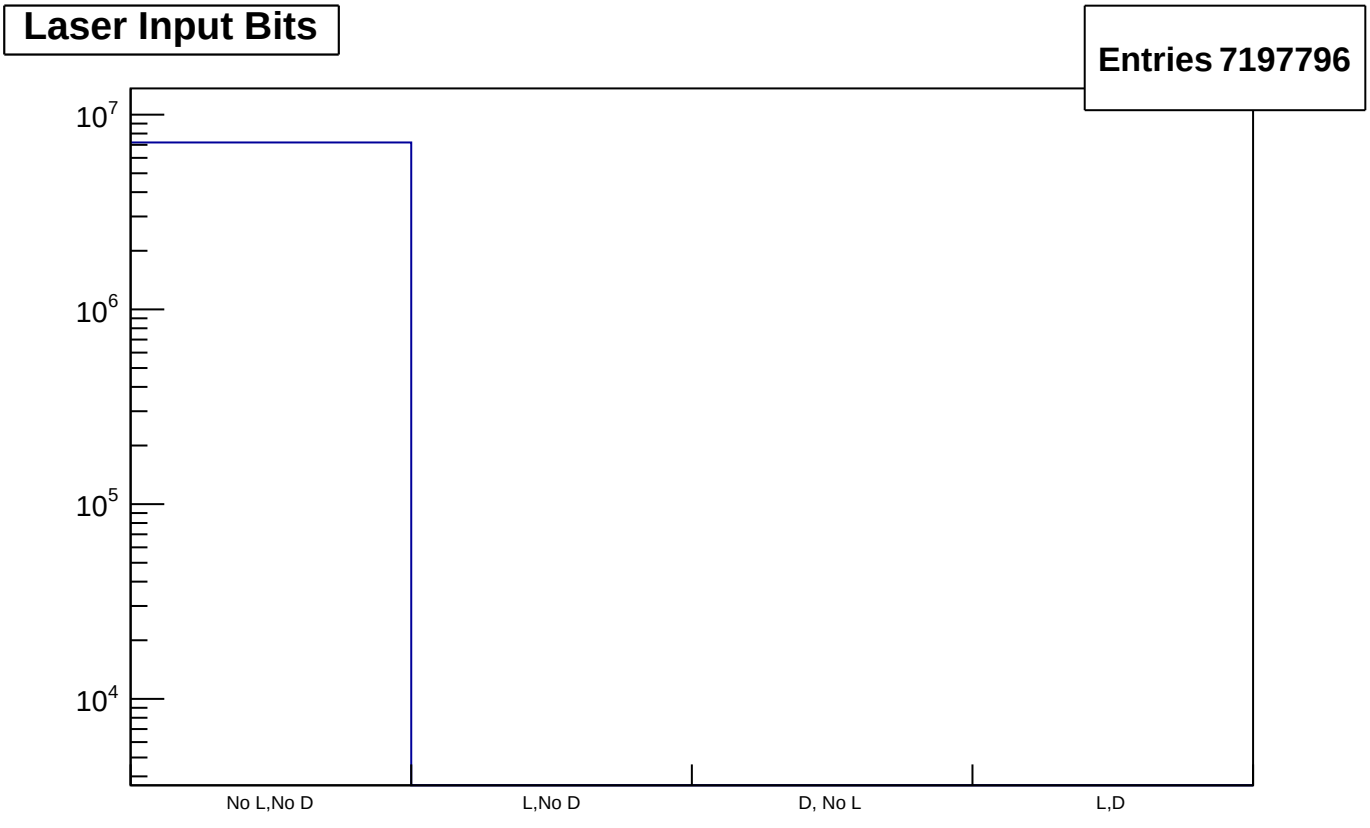

Entries 7197796
TOF_Mult
VPD-West ADC Sum

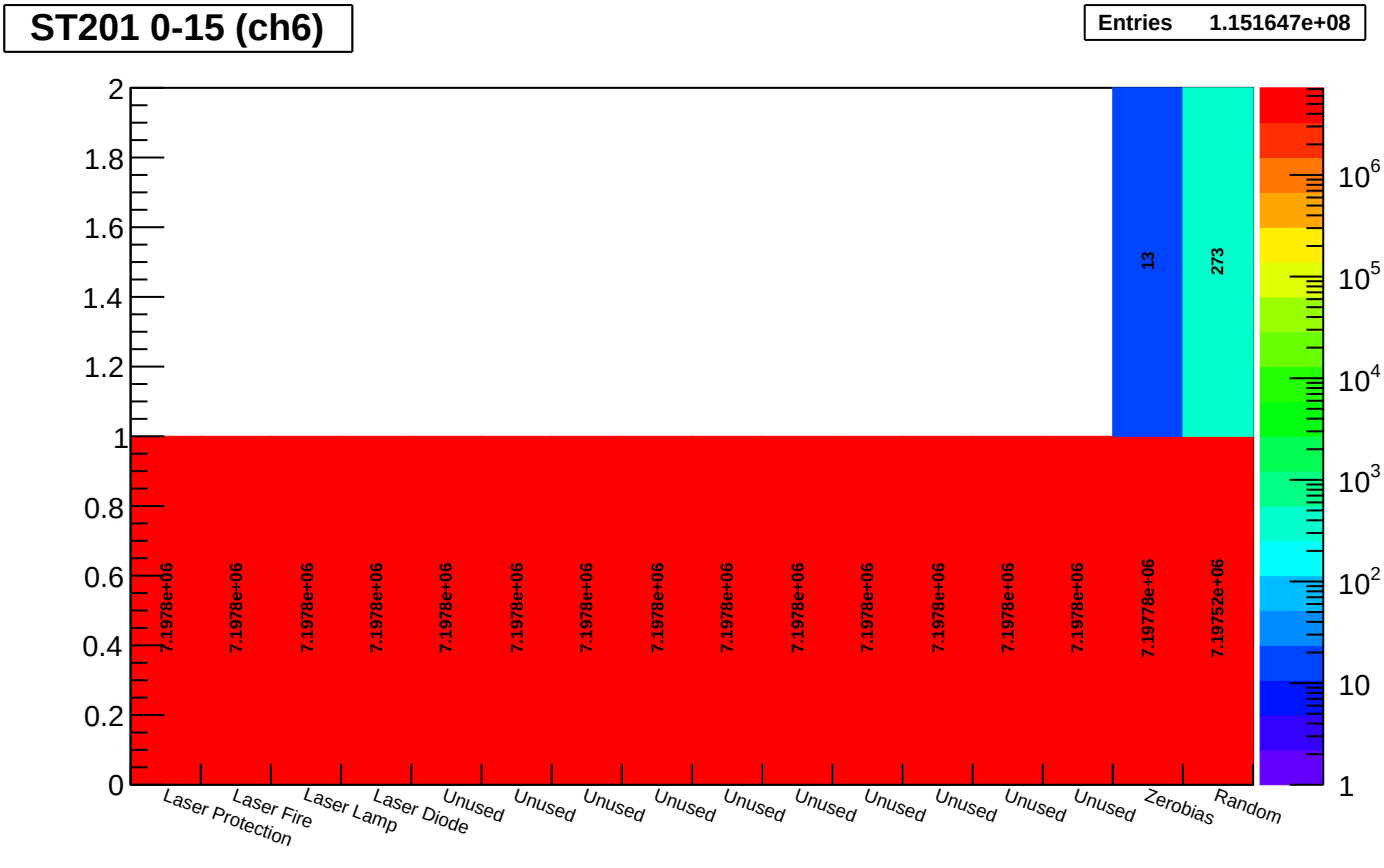

Entries 7197796
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

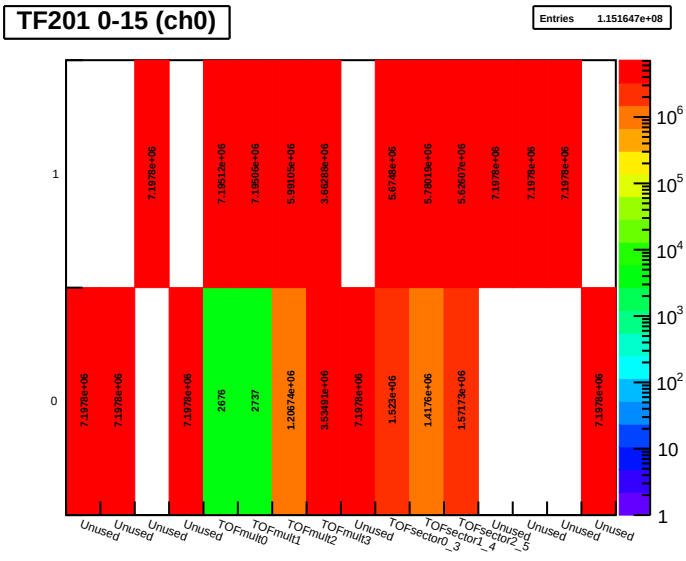

Entries 7197796
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10
1
10^{-1}
10^{-2}

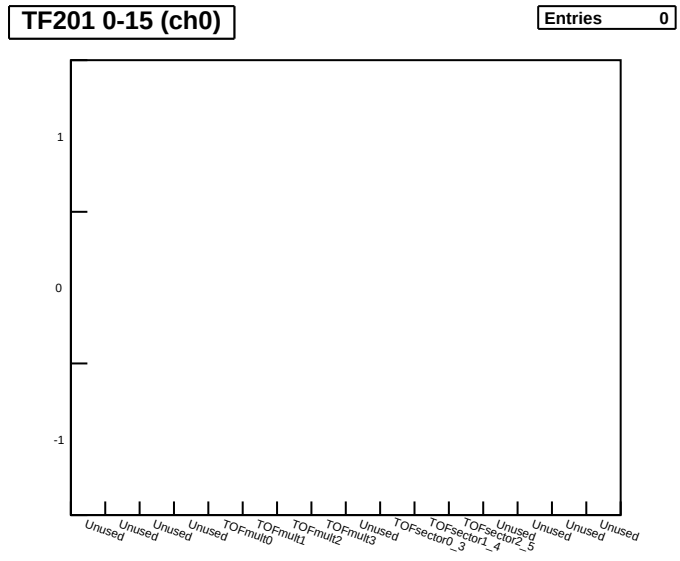

Entries 7197796
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff

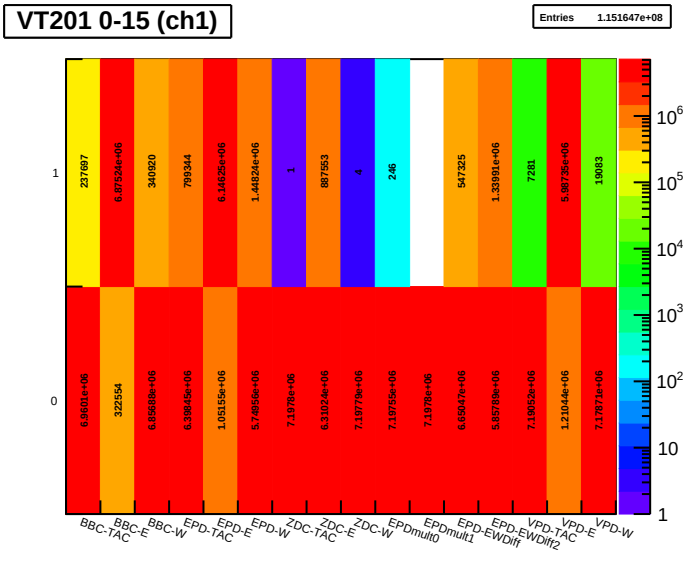

Entries 7197796
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^6
10^5
10^4
10^3
10^2
10
1

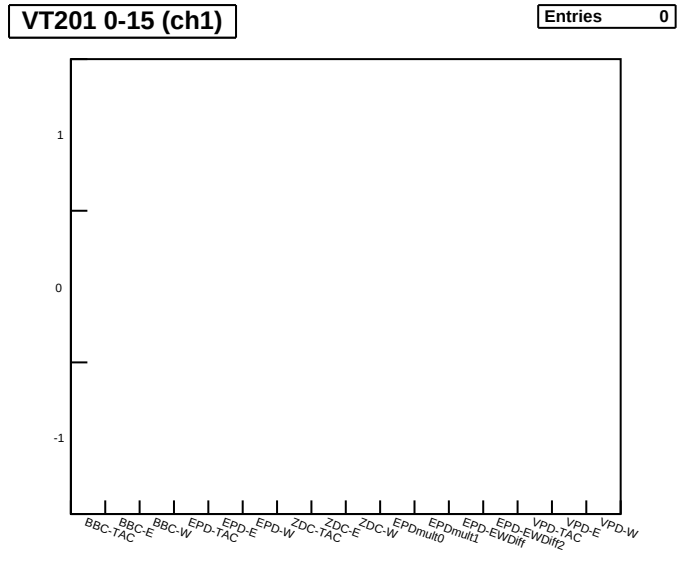

Laser Input Bits
Entries 7197796
10^7
10^6
10^5
10^4
No L,No D
L,No D
D, No L
L,D

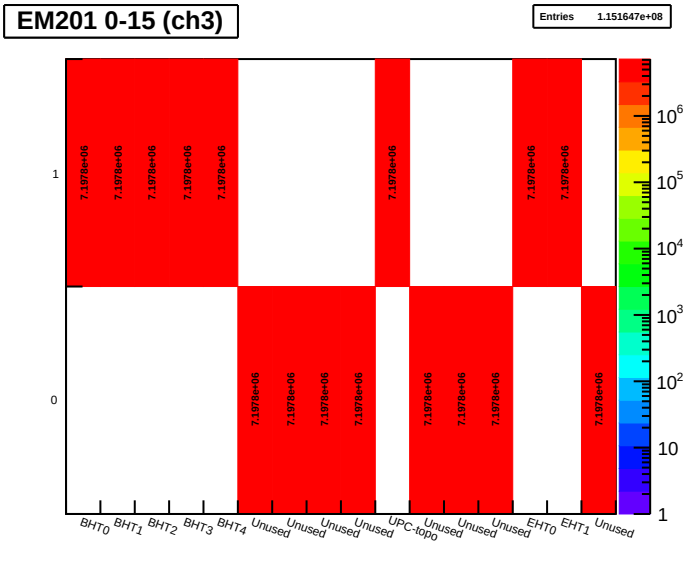

ST201 0-15 (ch6)
Entries 1.151647e+08
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7.1978e+06
7.19778e+06
7.19752e+06
13
273
10^6
10^5
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

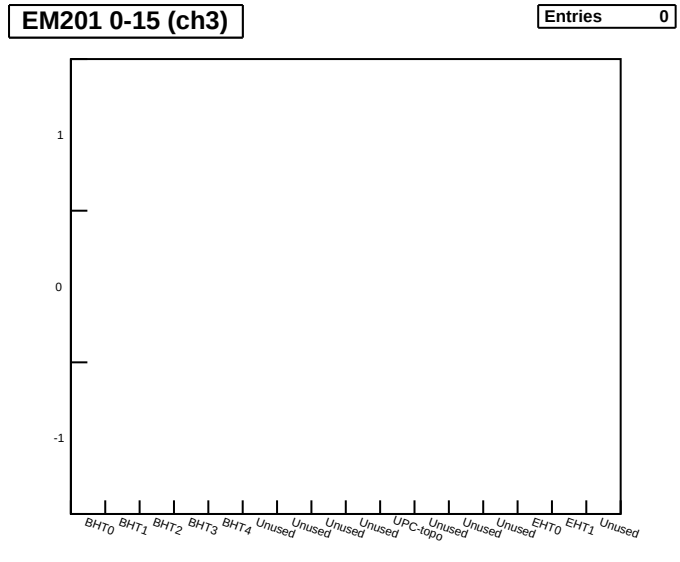

TF201 0-15 (ch0)
Entries 1.151647e+08
7.1978e+06
7.19512e+06
7.19506e+06
5.99105e+06
3.66288e+06
5.67148e+06
5.78019e+06
5.62607e+06
7.1978e+06
7.1978e+06
7.1978e+06
7.1978e+06
7.1978e+06
2676
2737
1.20674e+06
3.53491e+06
7.1978e+06
1.523e+06
1.41176e+06
1.57173e+06
7.1978e+06
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5


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


VT201 0-15 (ch1)
Entries 1.151647e+08
237687
6.97524e+06
340920
799344
6.14625e+06
1.44824e+06
1
887553
4
246
547325
1.33991e+06
7281
5.88735e+06
19083
6.9601e+06
322554
6.85668e+06
6.39845e+06
1.05155e+06
5.74956e+06
7.1978e+06
6.31024e+06
7.19779e+06
7.19755e+06
7.1978e+06
6.65047e+06
5.85789e+06
7.19052e+06
1.21044e+06
7.12871e+06
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W


VT201 0-15 (ch1)
Entries 0
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W


EM201 0-15 (ch3)
Entries 1.151647e+08
7.1978e+06
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1


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