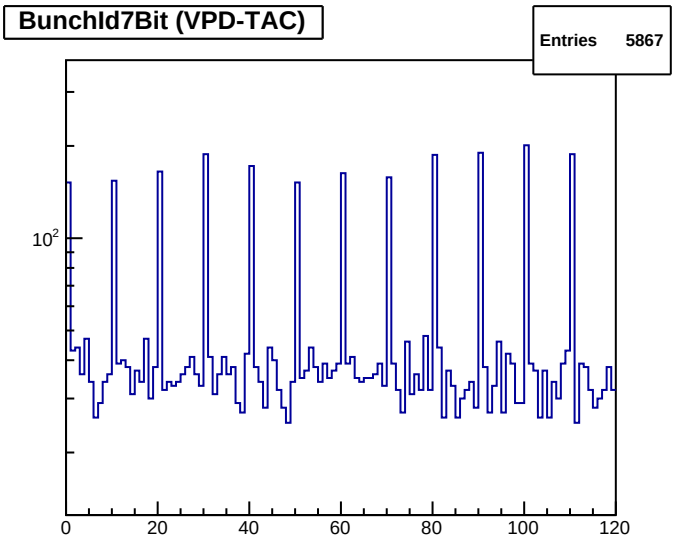
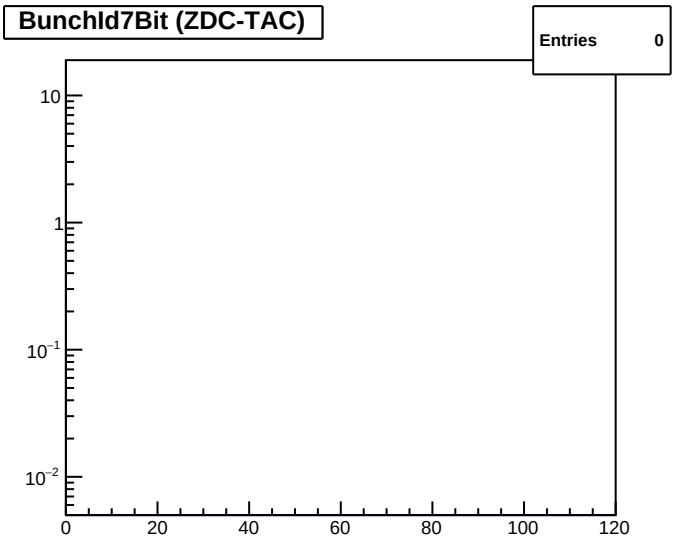
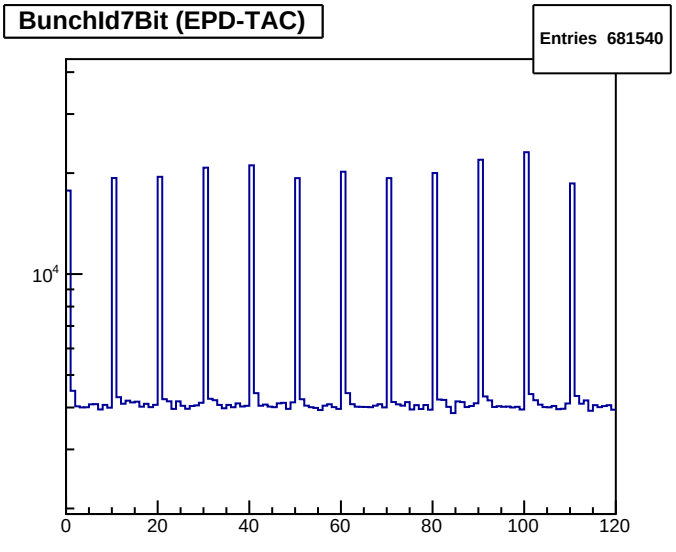
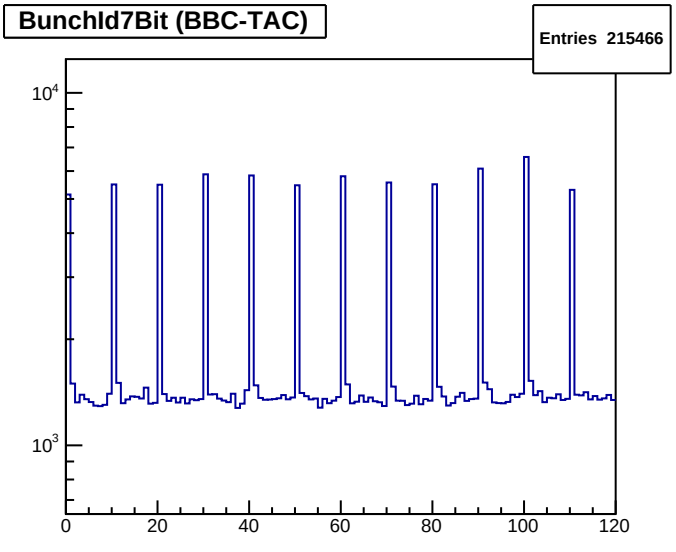
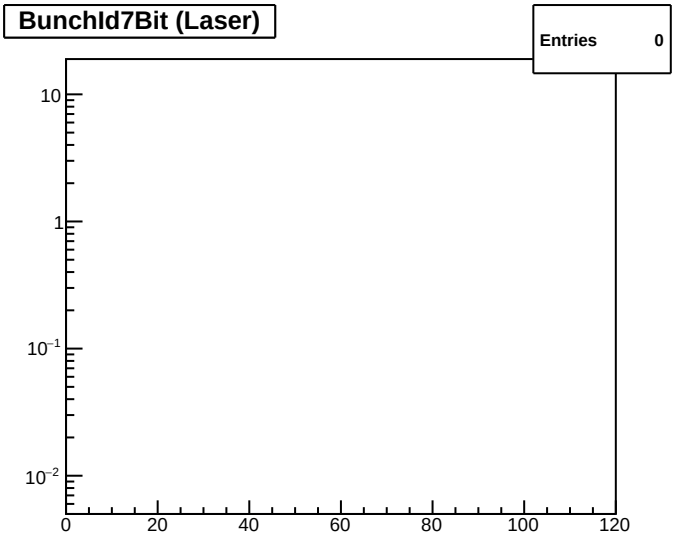
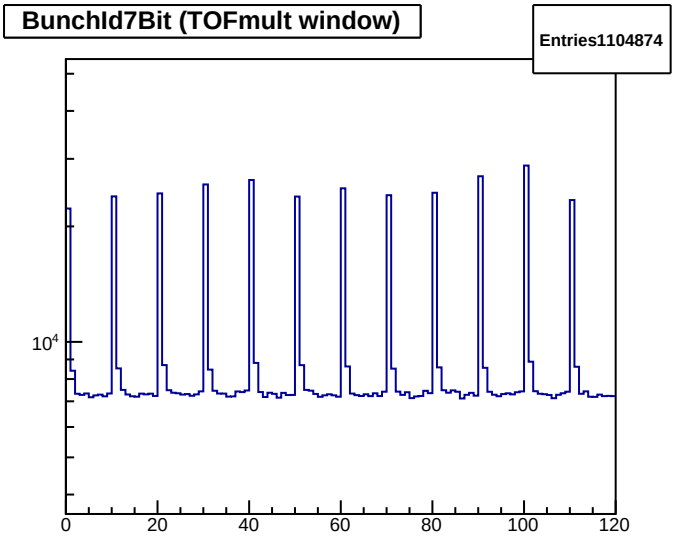

BunchId7Bit (VPD-TAC)
Entries 5867
10^2
0 20 40 60 80 100 120

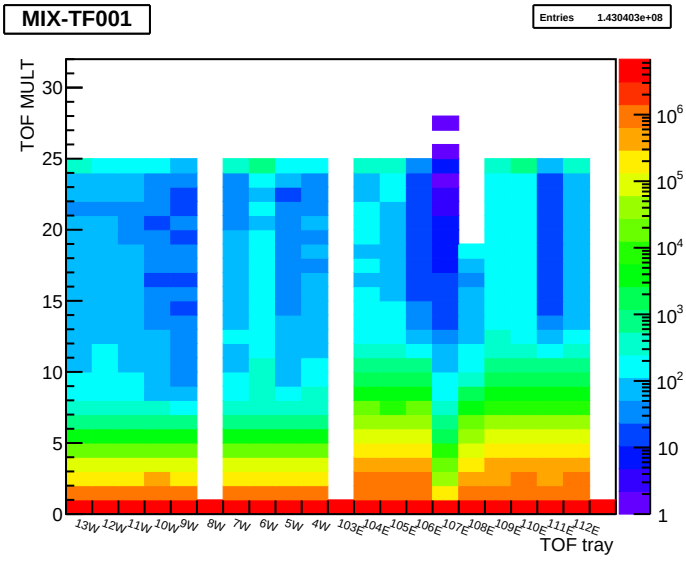

BunchId7Bit (ZDC-TAC)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

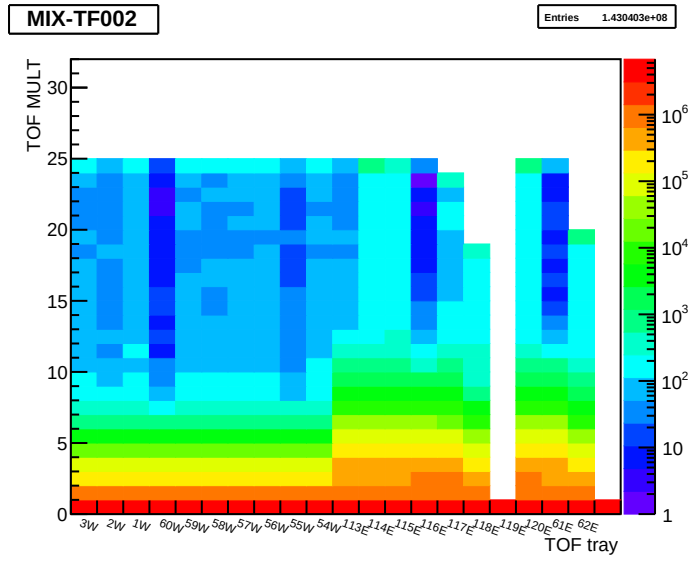

BunchId7Bit (EPD-TAC)
Entries 681540
10^4
0 20 40 60 80 100 120

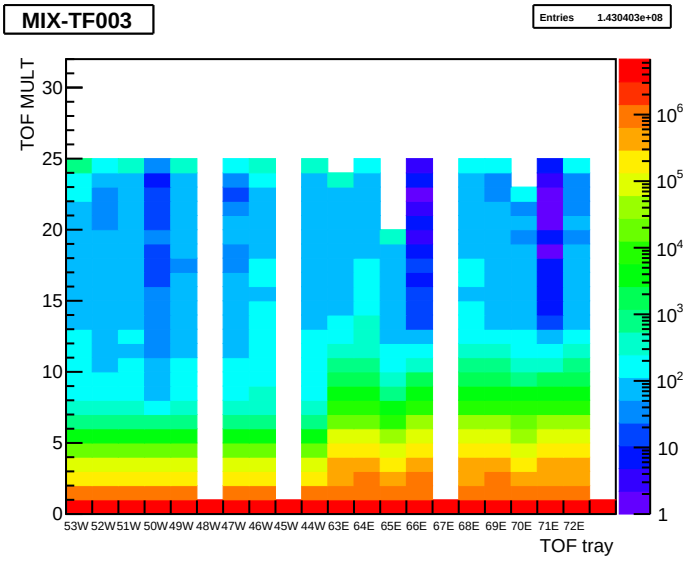

BunchId7Bit (BBC-TAC)
Entries 215466
10^4
10^3
0 20 40 60 80 100 120

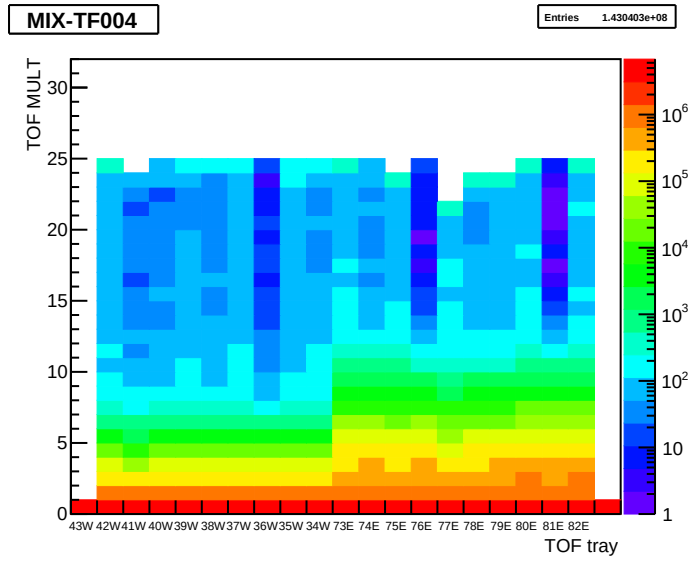

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

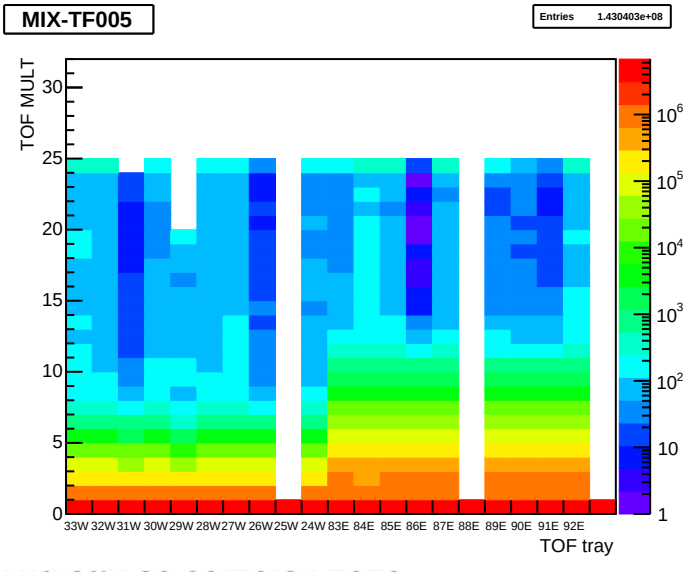

BunchId7Bit (TOFmult window)
Entries1104874
10^4
0 20 40 60 80 100 120

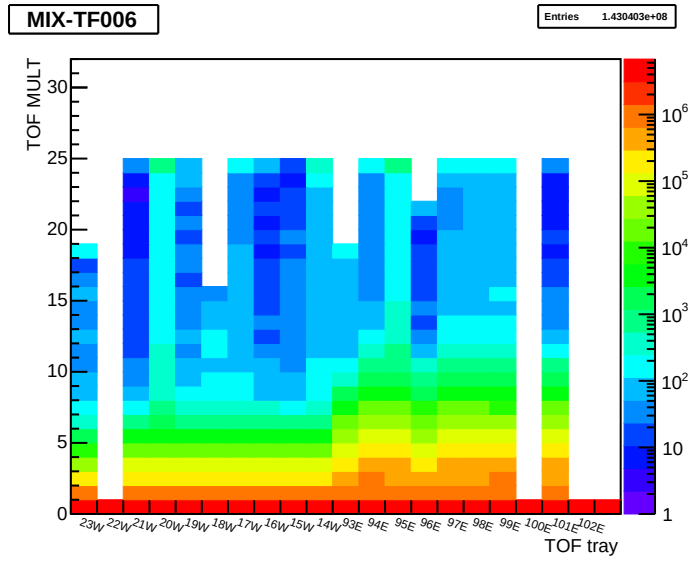

MIX-TF001
Entries 1.430403e+08
TOF MULT
TOF tray

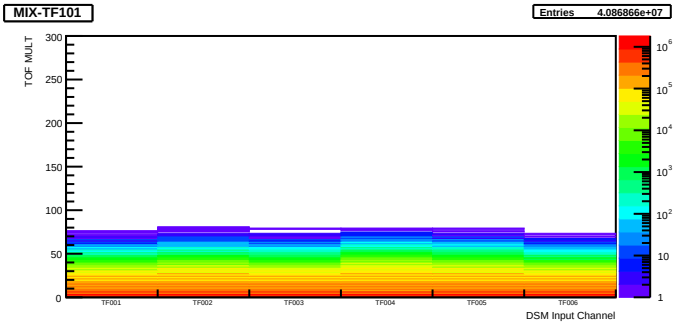

MIX-TF002
Entries 1.430403e+08
TOF MULT
TOF tray

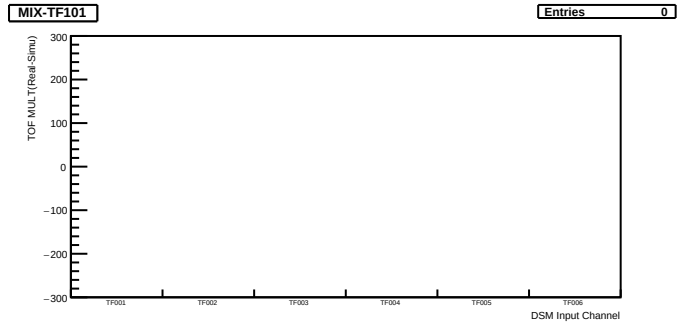

MIX-TF003
Entries 1.430403e+08
TOF MULT
TOF tray

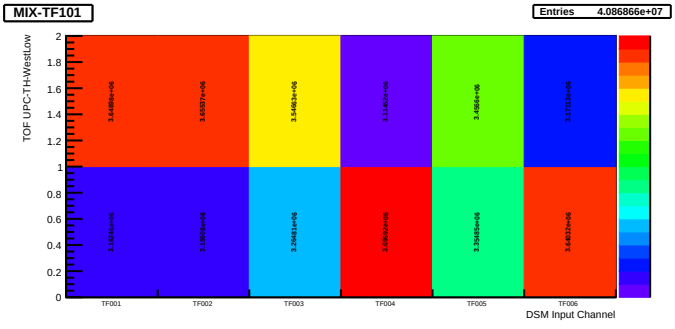

MIX-TF004
Entries 1.430403e+08
TOF MULT
TOF tray

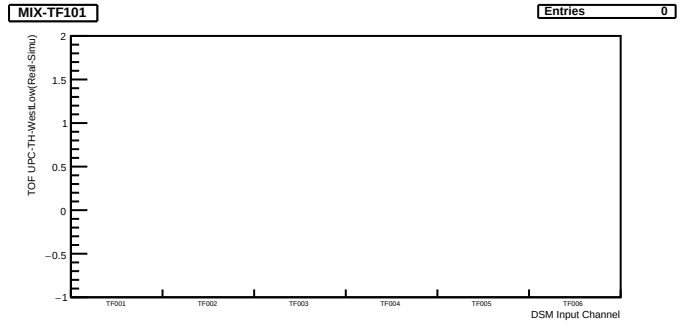

MIX-TF005
Entries 1.430403e+08
TOF MULT
TOF tray

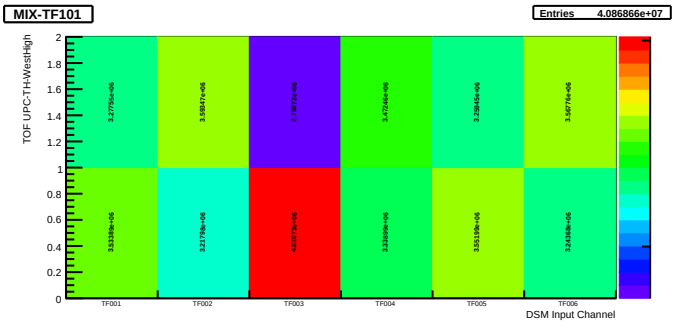

MIX-TF006
Entries 1.430403e+08
TOF MULT
TOF tray

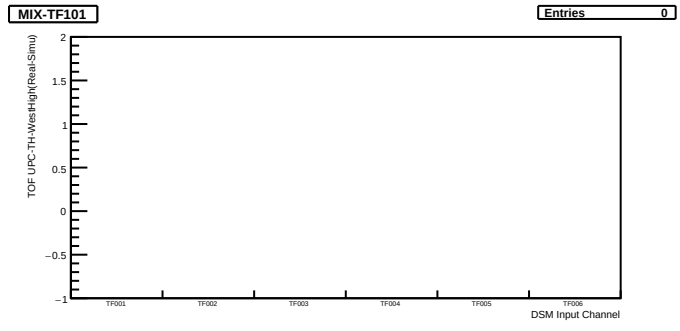

MIX-TF101
Entries 4.086866e+07
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

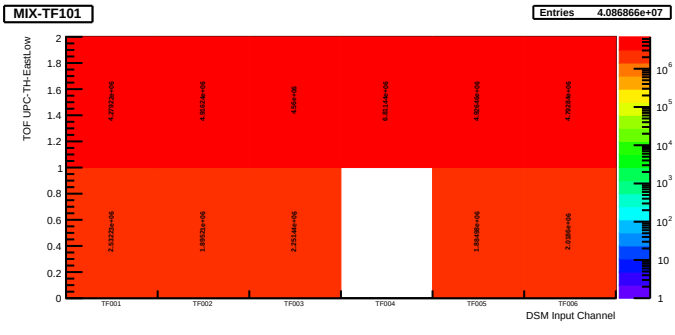

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

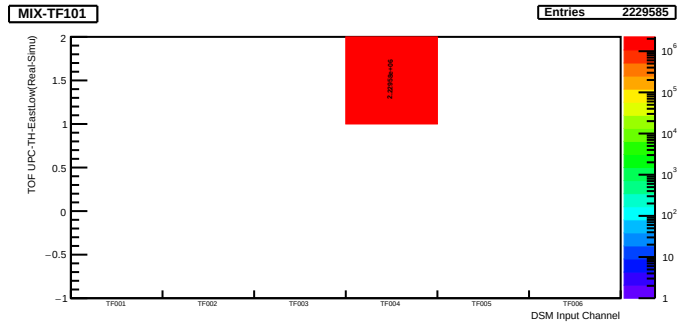

MIX-TF101
Entries 4.086866e+07
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

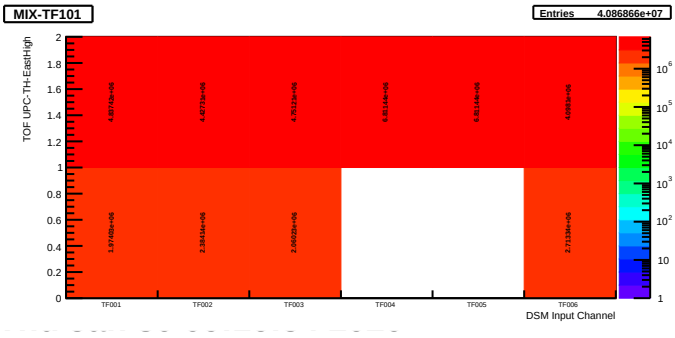

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

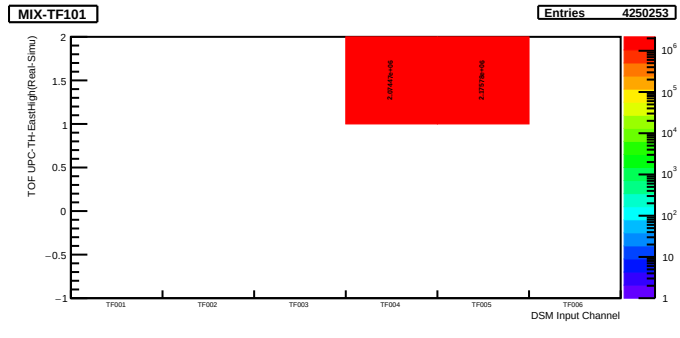

MIX-TF101
Entries 4.086866e+07
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

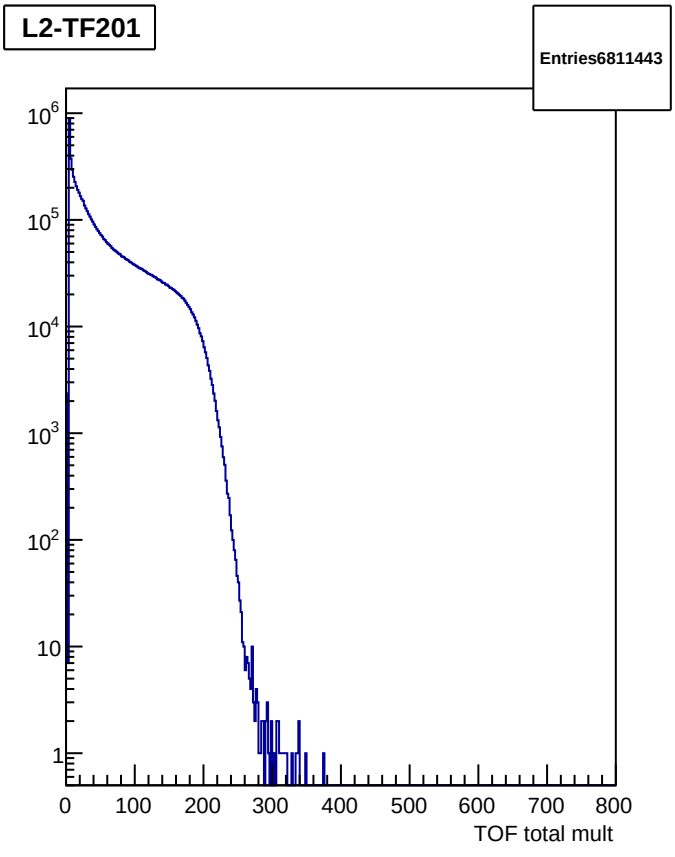

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

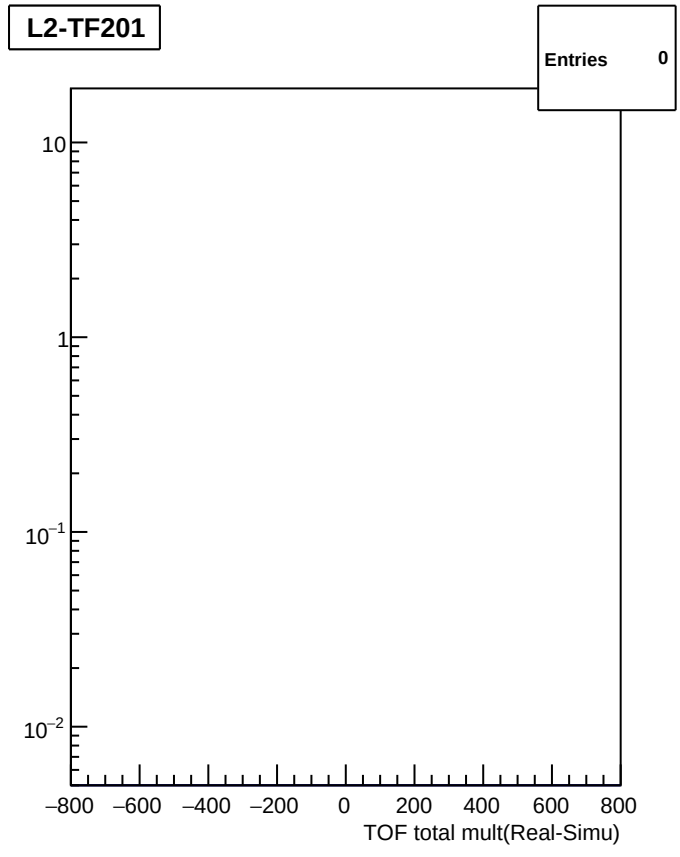

MIX-TF101
Entries 4.086866e+07
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

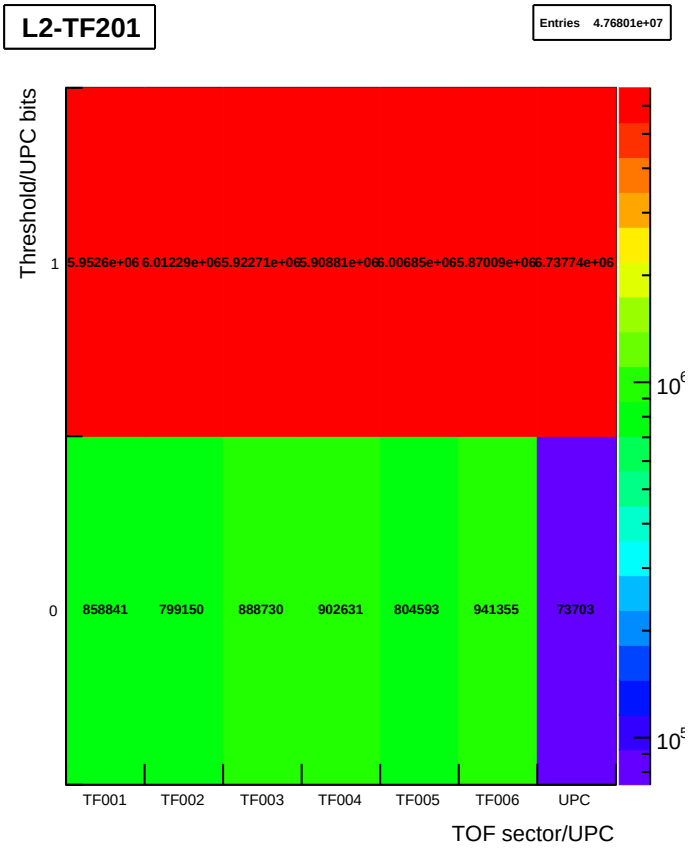

MIX-TF101
Entries 2229585
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

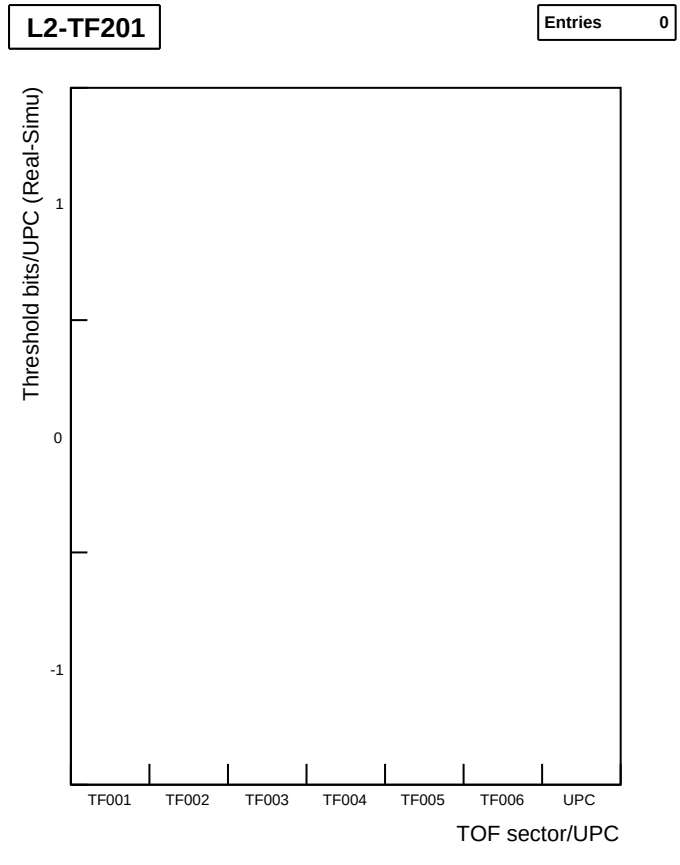

MIX-TF101
Entries 4.086866e+07
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

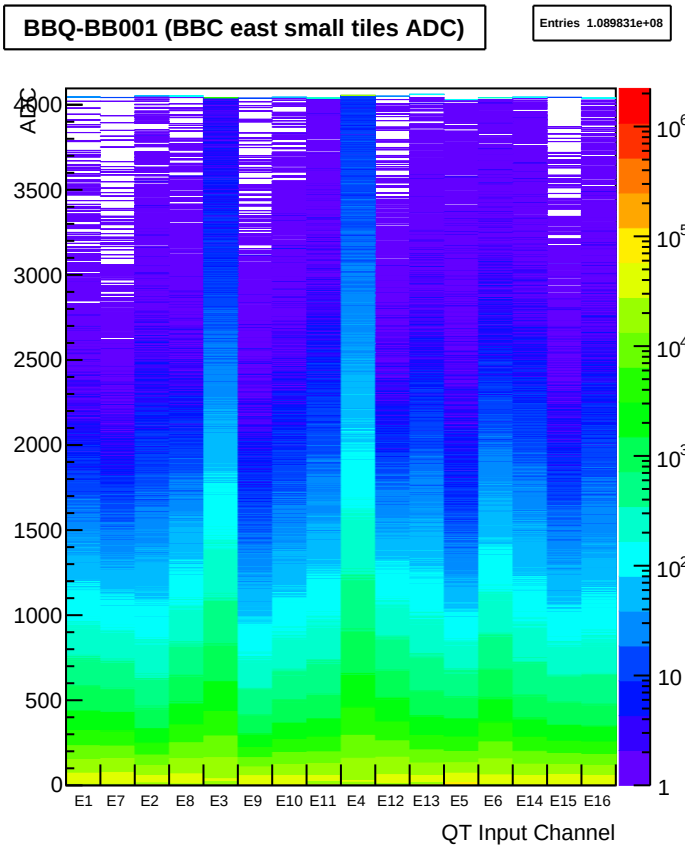

MIX-TF101
Entries 4250253
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

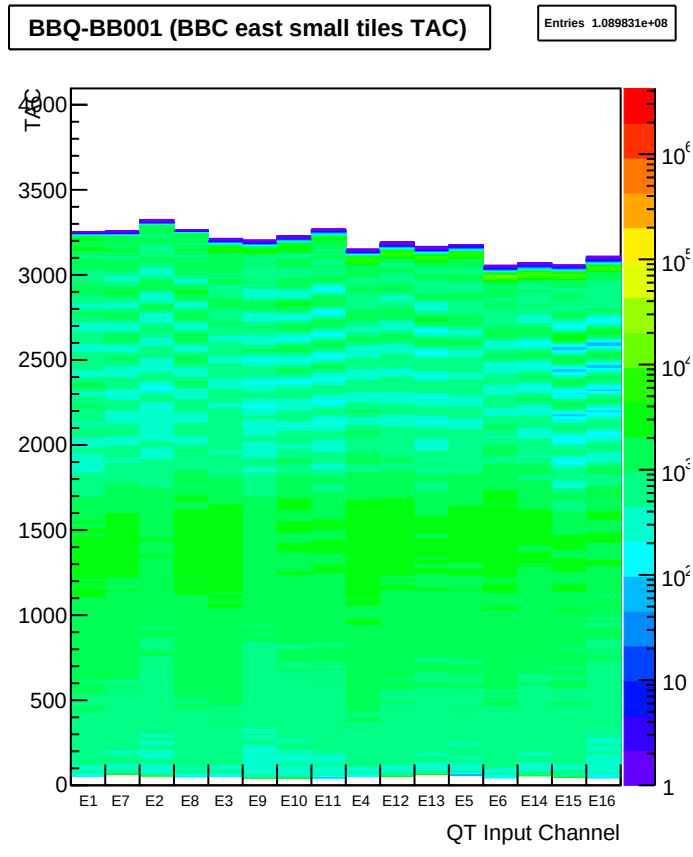

L2-TF201
Entries6811443
TOF total mult

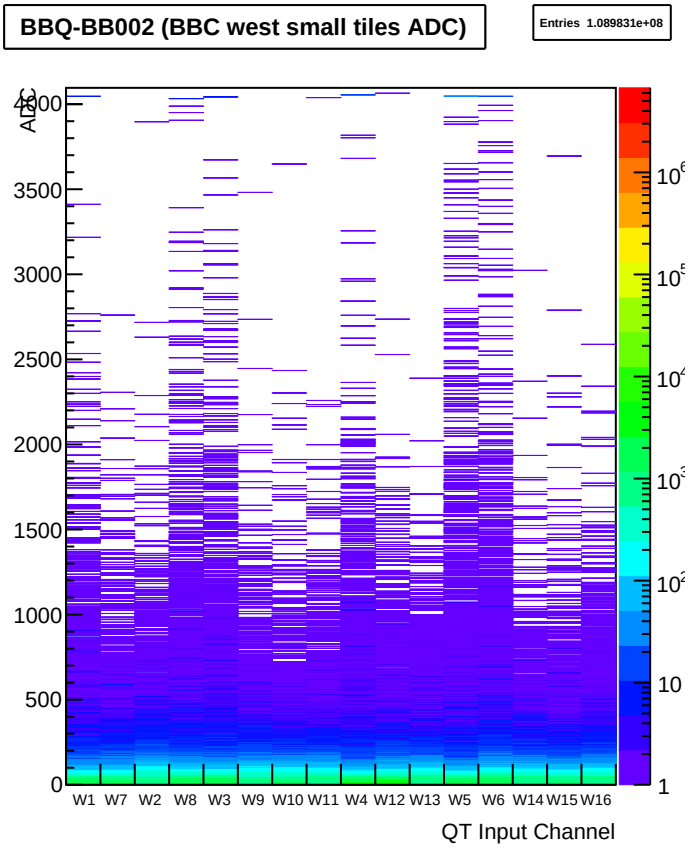

L2-TF201
Entries 0
TOF total mult(Real-Simu)

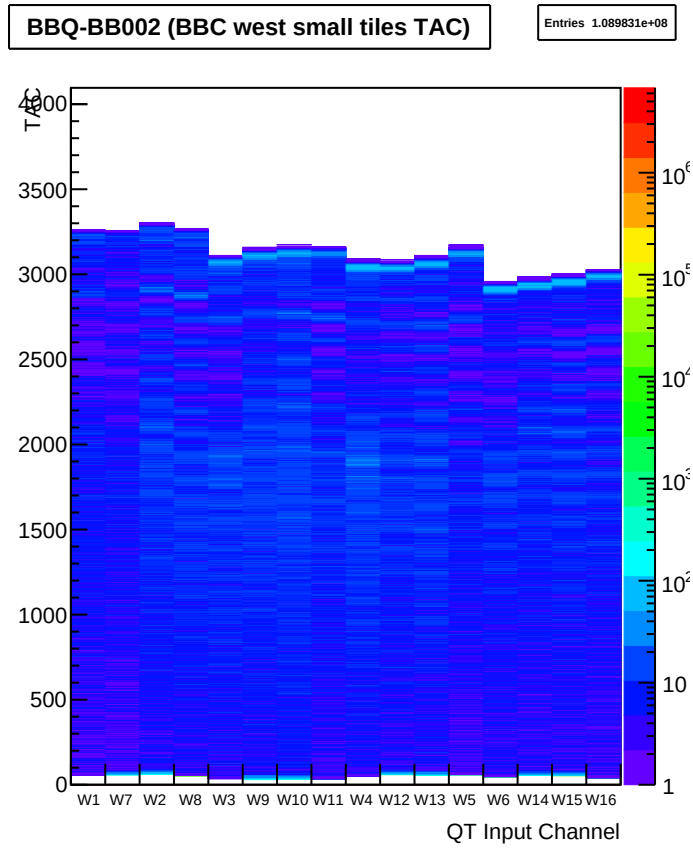

L2-TF201
Entries 4.76801e+07
Threshold/UPC bits
5.9526e+06 6.01229e+06 5.92271e+06 5.90881e+06 6.00685e+06 5.87009e+06 6.73774e+06
858841 799150 888730 902631 804593 941355 73703
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

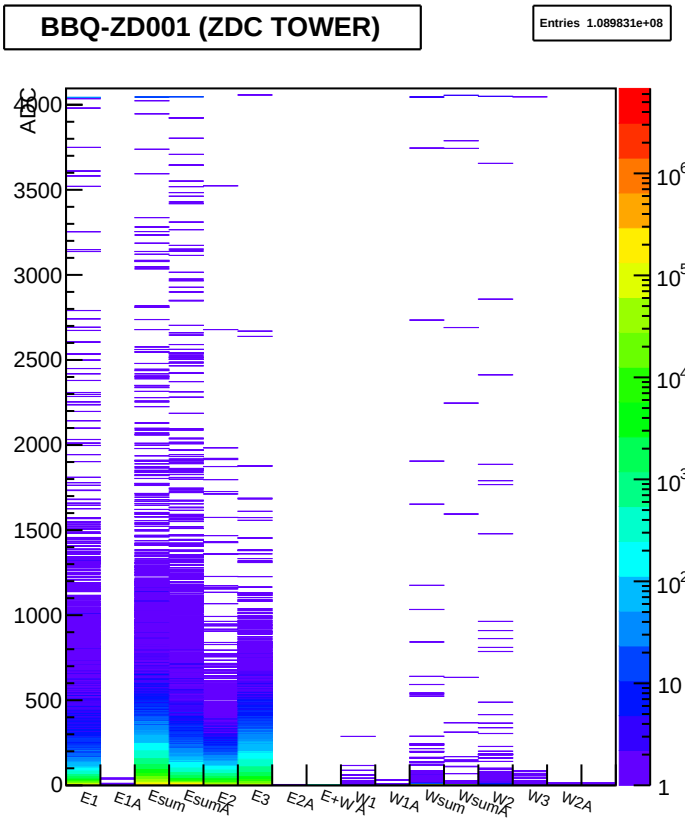

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

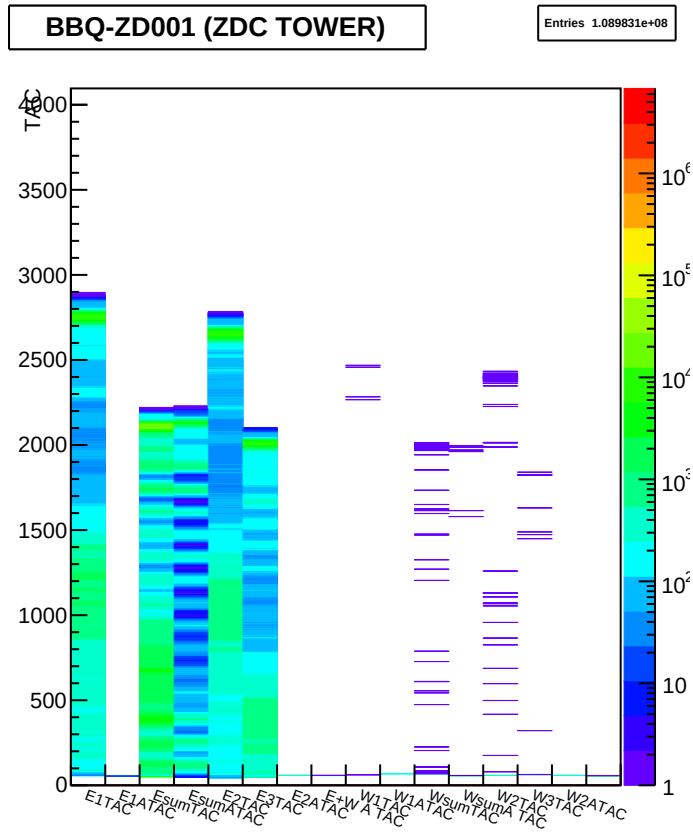

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.089831e+08
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

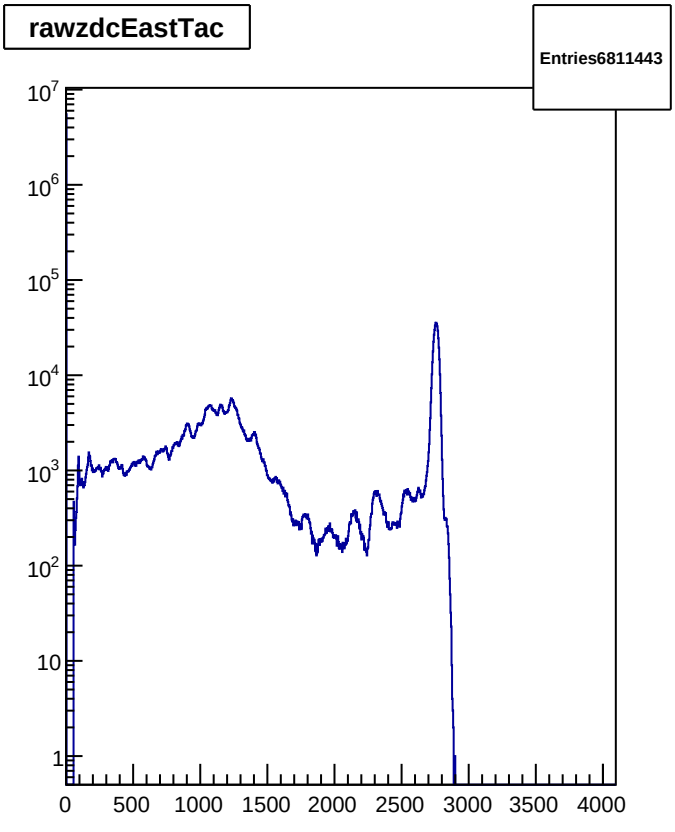

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.089831e+08
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

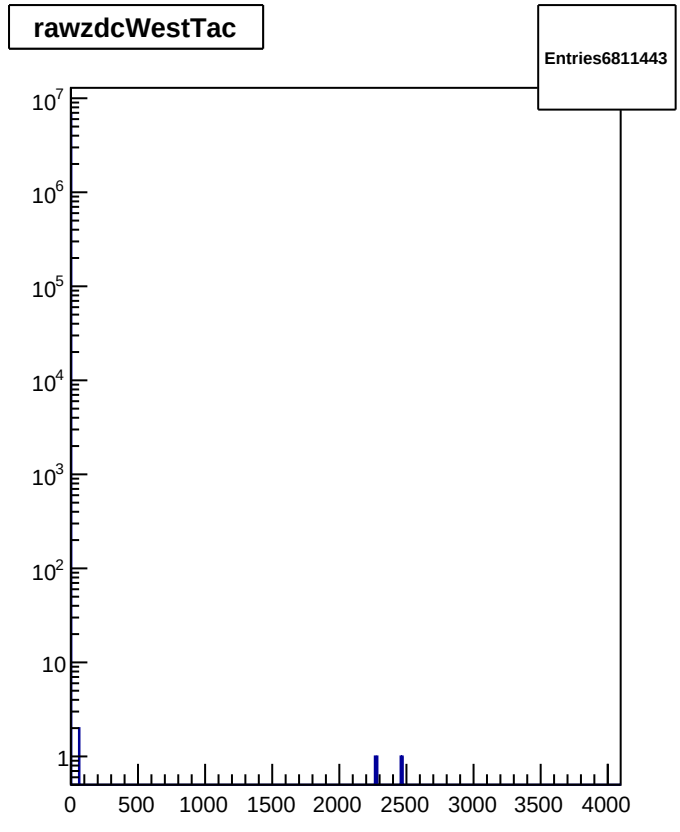

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.089831e+08
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

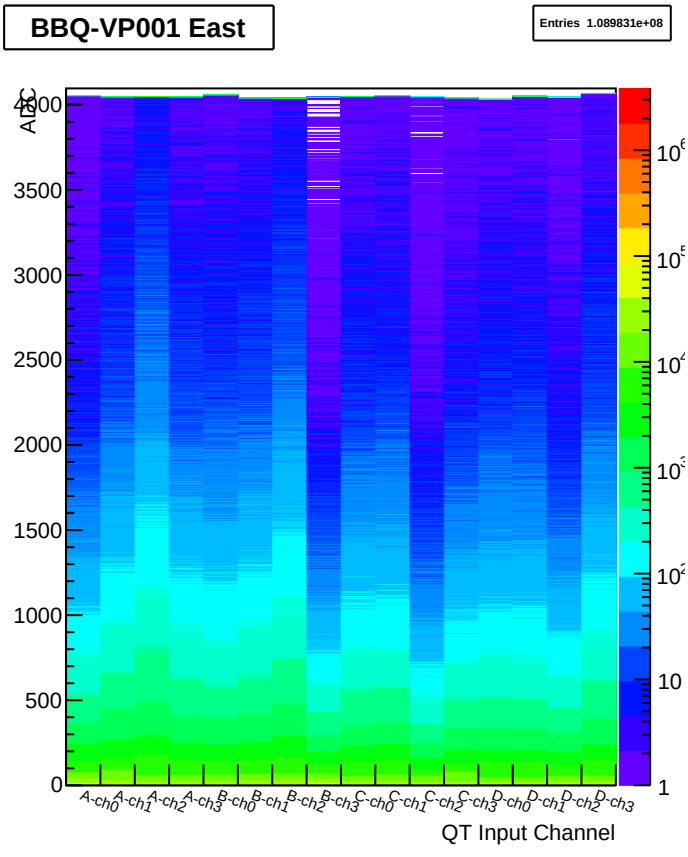

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.089831e+08
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

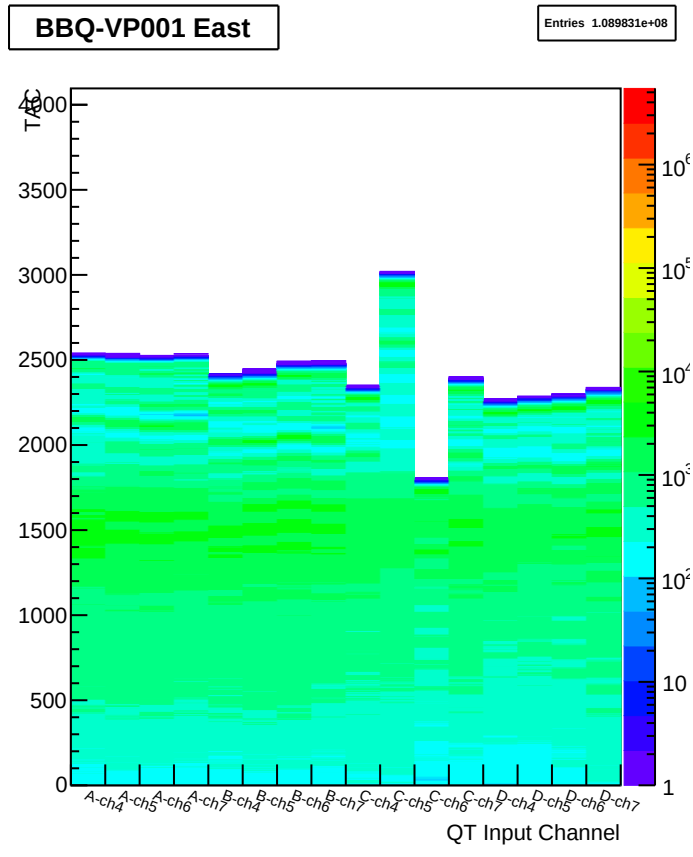

BBQ-ZD001 (ZDC TOWER)
Entries 1.089831e+08
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

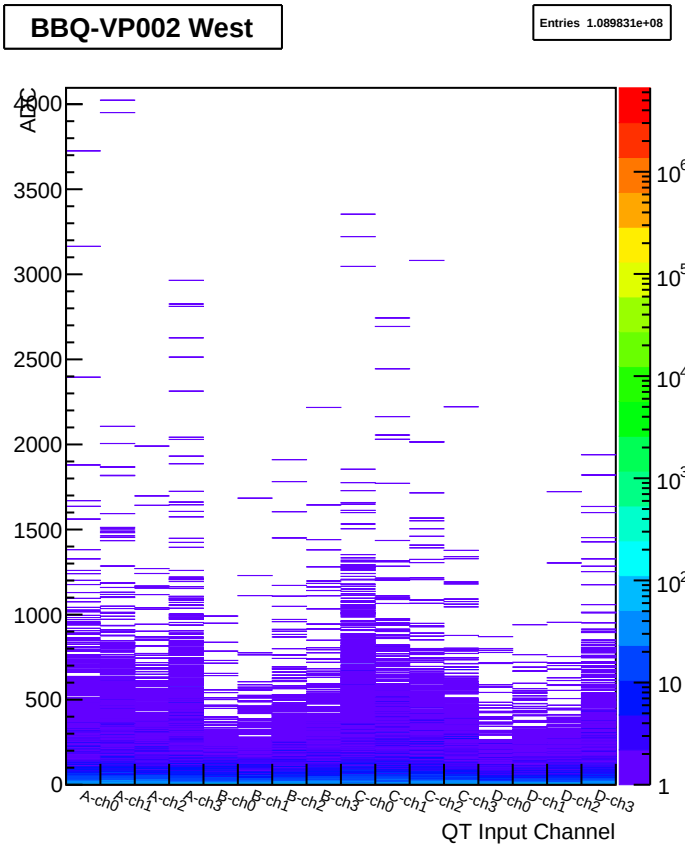

BBQ-ZD001 (ZDC TOWER)
Entries 1.089831e+08
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumATAC
W2TAC
W3TAC
W2ATAC

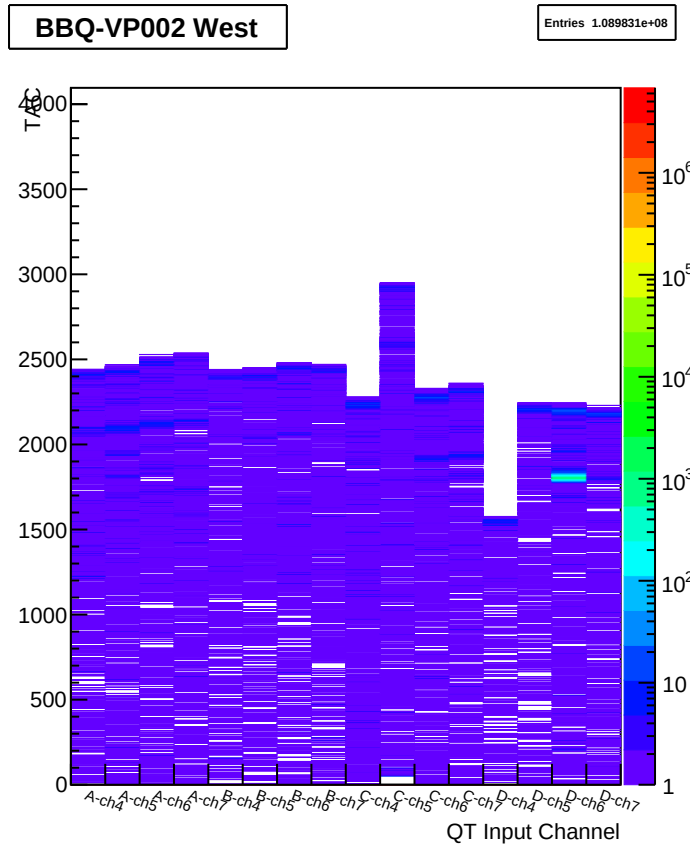

rawzdcEastTac
Entries6811443

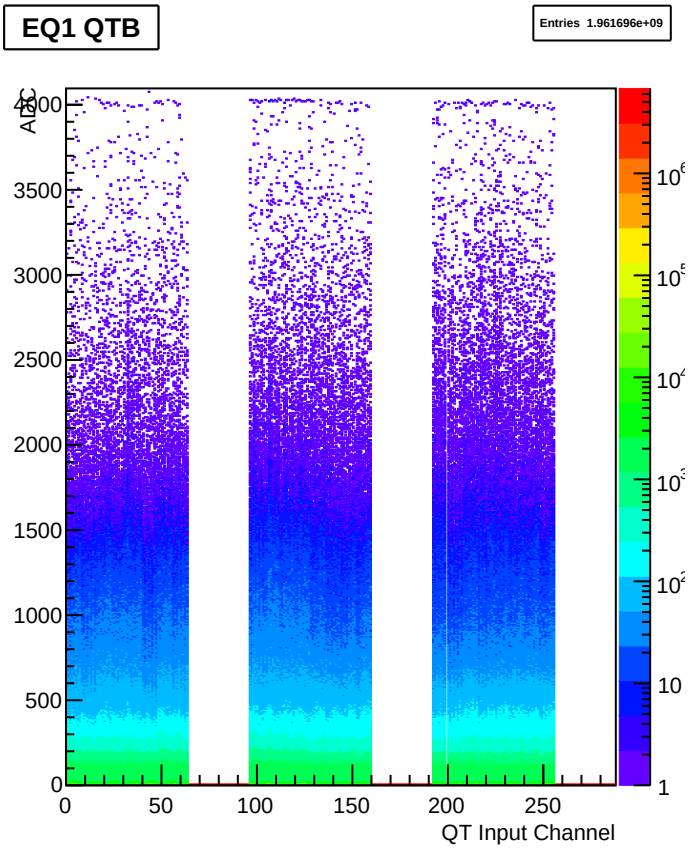

rawzdcWestTac
Entries6811443

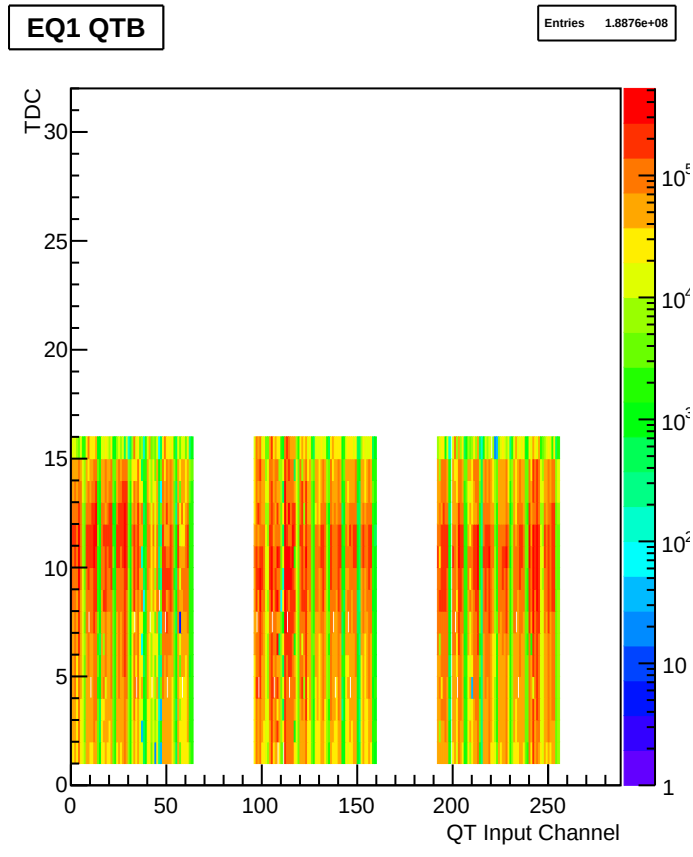

BBQ-VP001 East
Entries 1.089831e+08
ADC
QT Input Channel

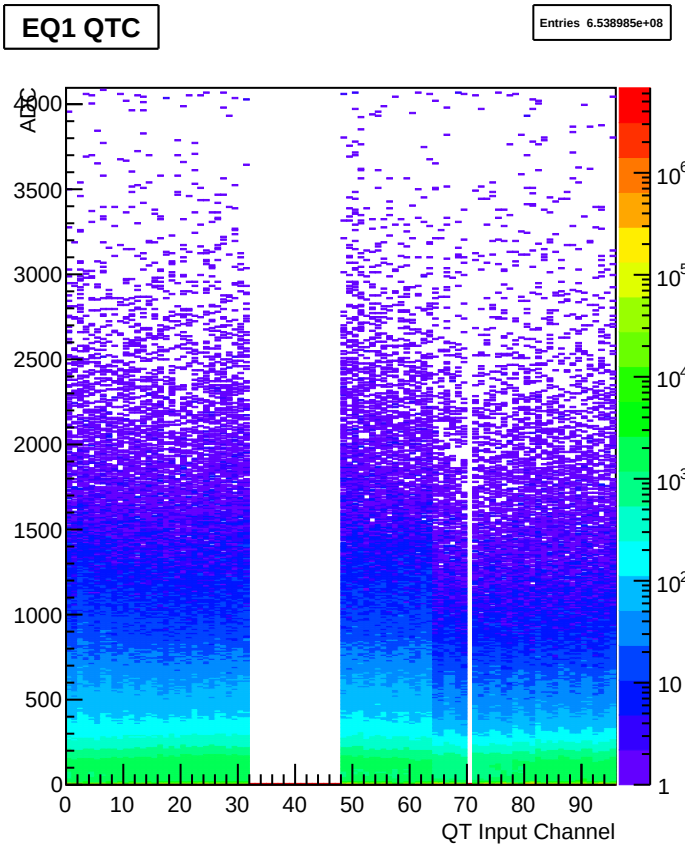

BBQ-VP001 East
Entries 1.089831e+08
TADC
QT Input Channel

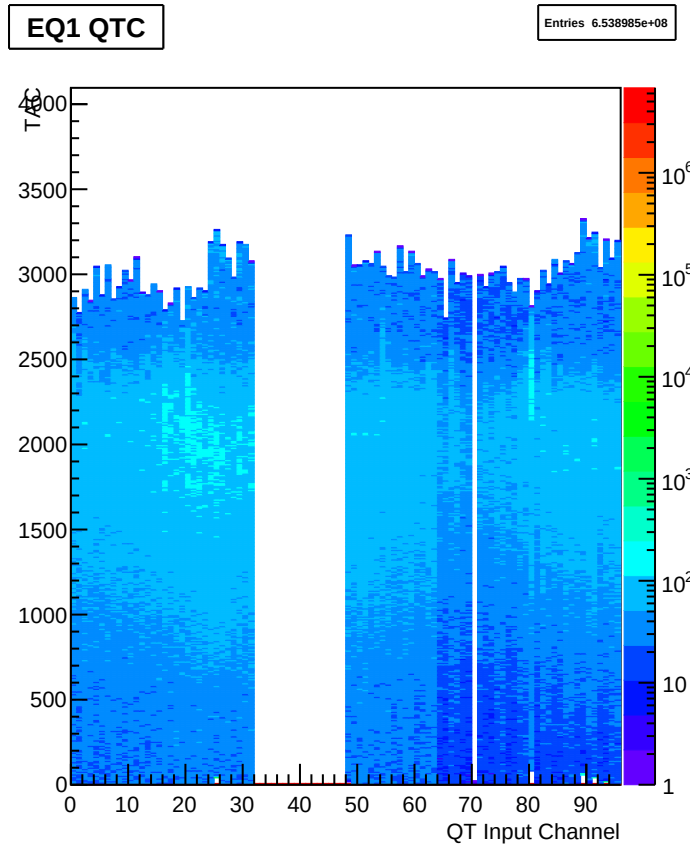

BBQ-VP002 West
Entries 1.089831e+08
ADC
QT Input Channel

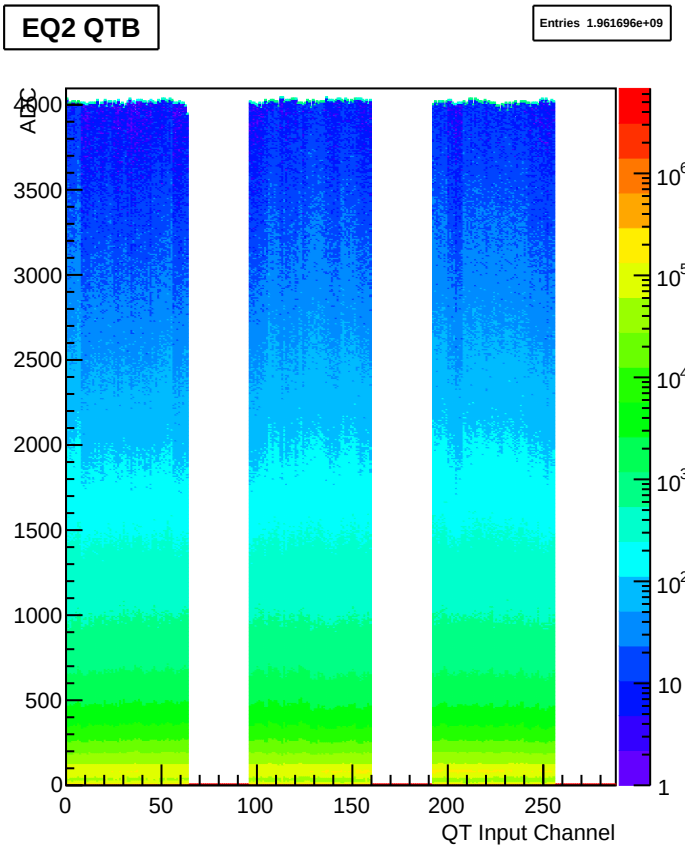

BBQ-VP002 West
Entries 1.089831e+08
TADC
QT Input Channel

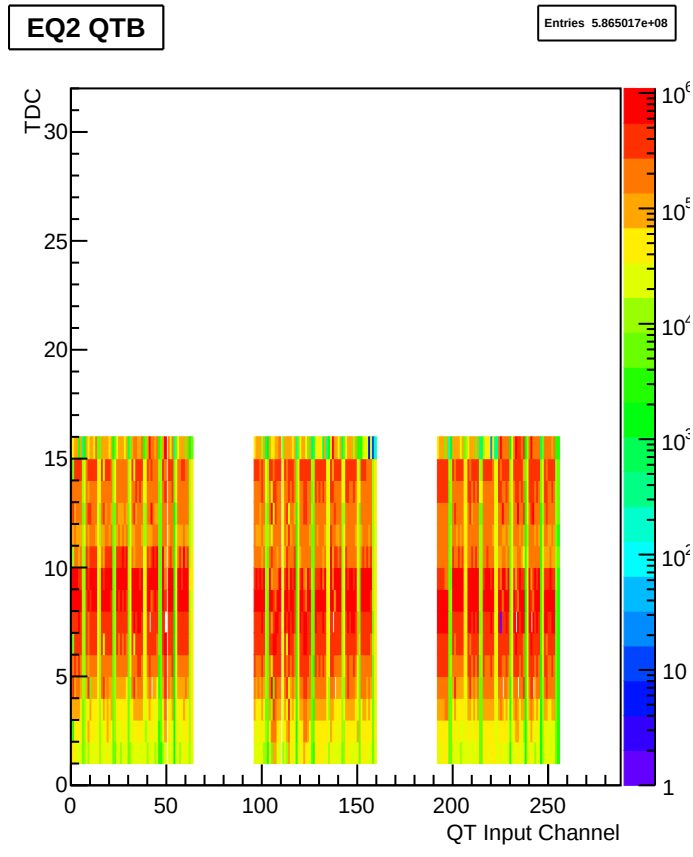

EQ1 QTB
Entries 1.961696e+09
ADC
QT Input Channel

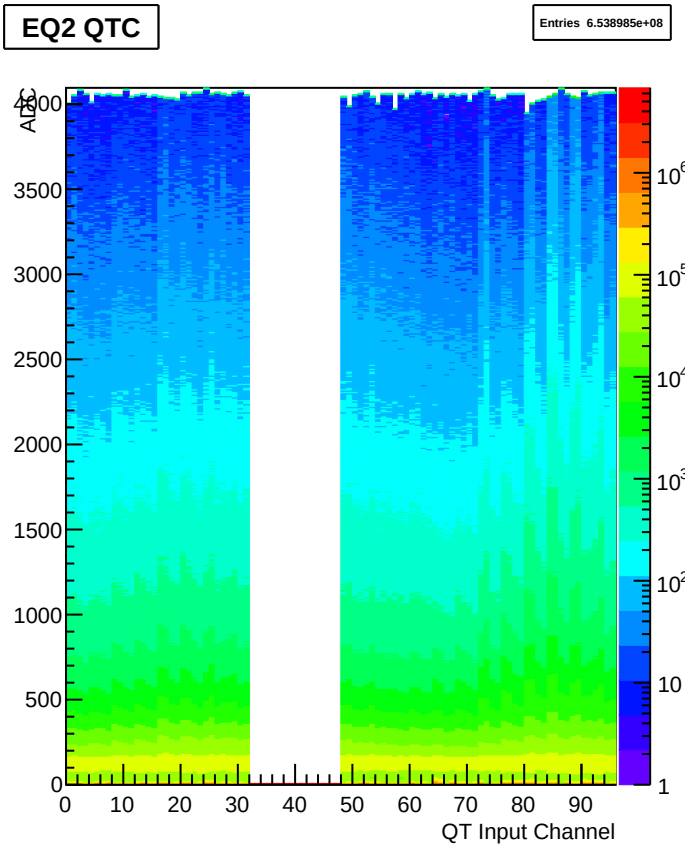

EQ1 QTB
Entries 1.8876e+08
TDC
QT Input Channel

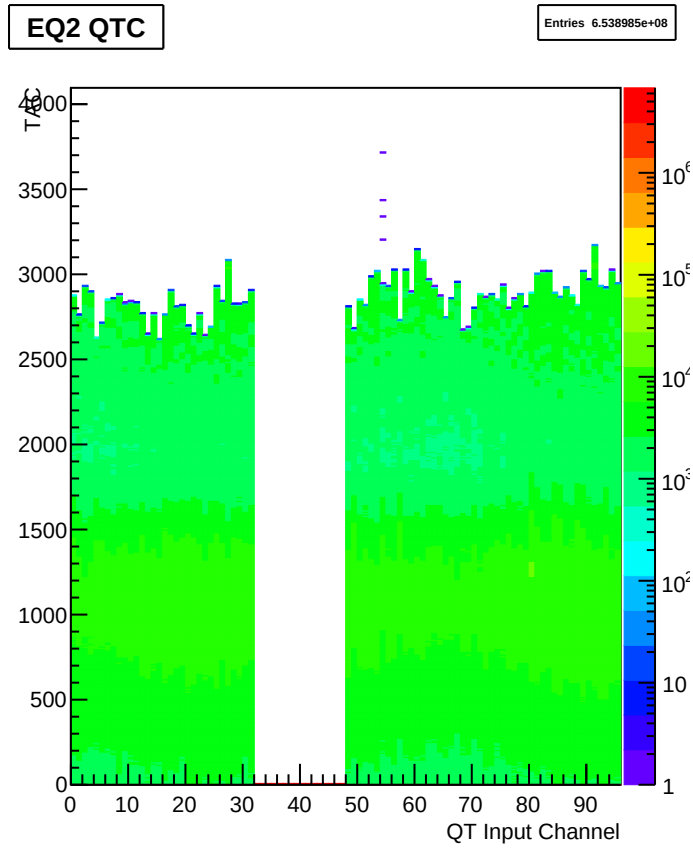

EQ1 QTC
Entries 6.538985e+08
ADC
QT Input Channel

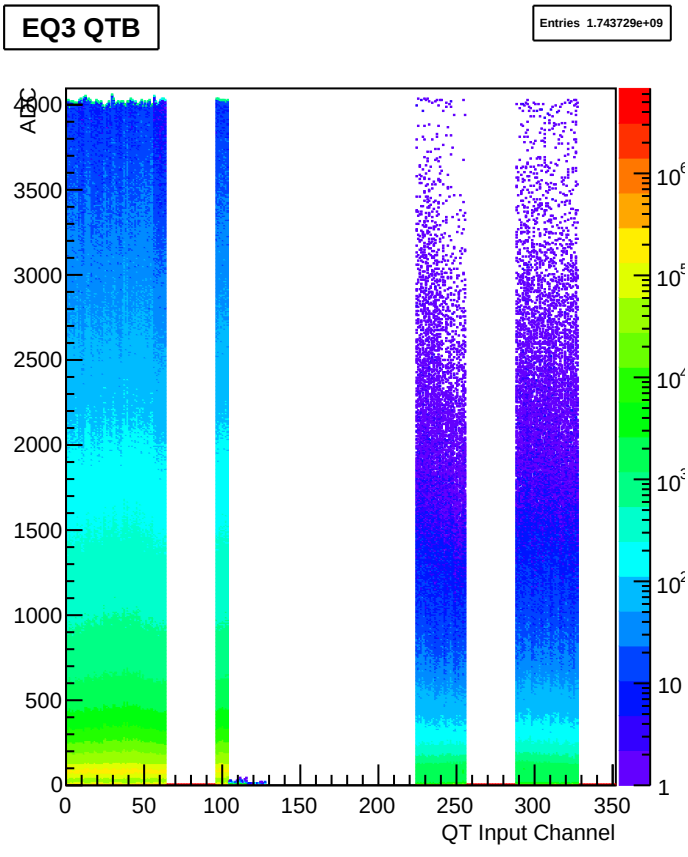

EQ1 QTC
Entries 6.538985e+08
TADC
QT Input Channel

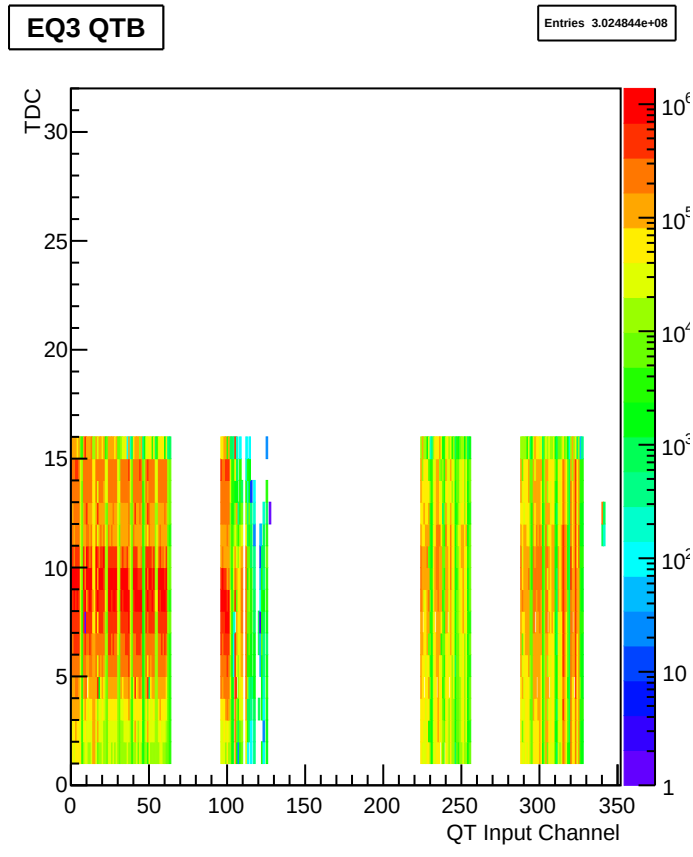

EQ2 QTB
Entries 1.961696e+09
ADC
QT Input Channel

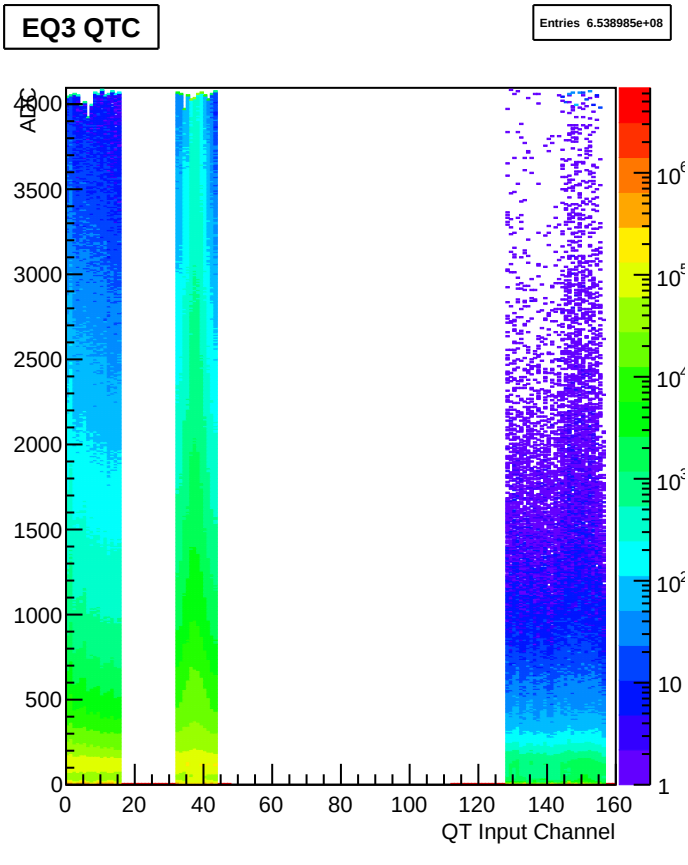

EQ2 QTB
Entries 5.865017e+08
TDC
QT Input Channel

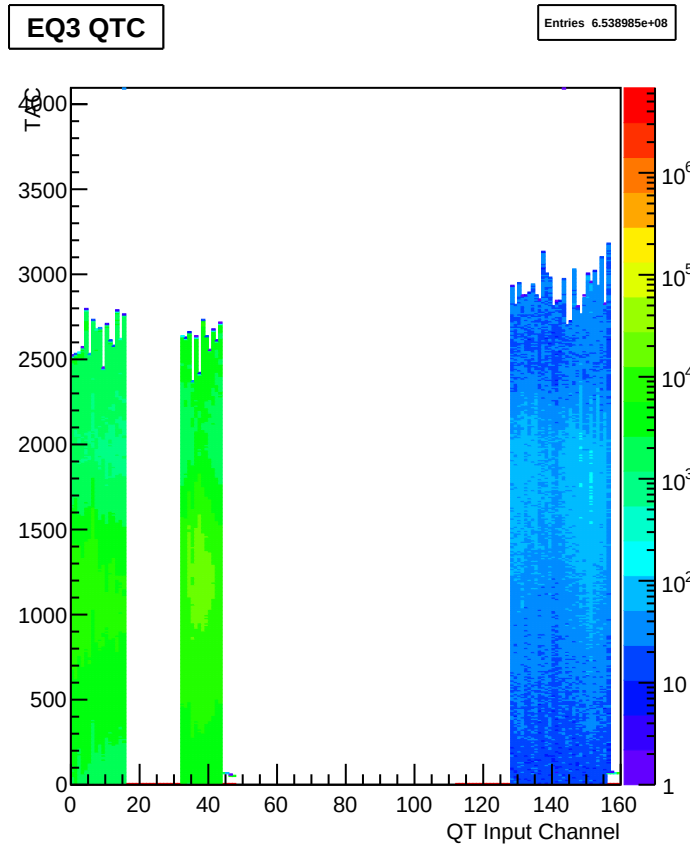

EQ2 QTC
Entries 6.538985e+08
ADC
QT Input Channel


EQ2 QTC
Entries 6.538985e+08
TADC
QT Input Channel


EQ3 QTB
Entries 1.743729e+09
ADC
QT Input Channel


EQ3 QTB
Entries 3.024844e+08
TDC
QT Input Channel


EQ3 QTC
Entries 6.538985e+08
ADC
QT Input Channel


EQ3 QTC
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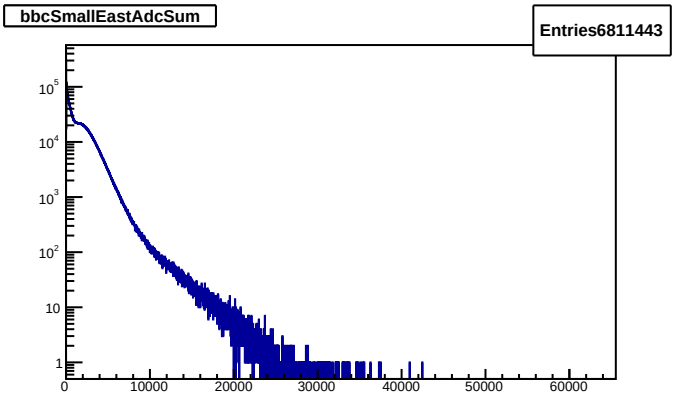
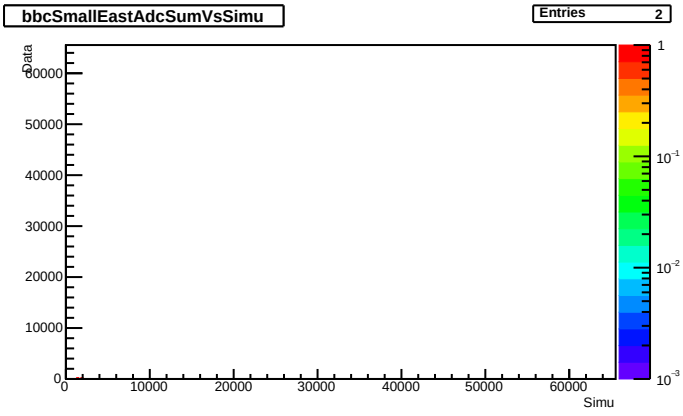
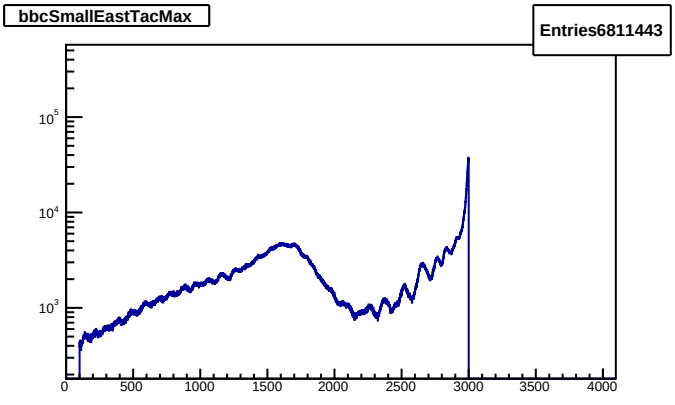
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries6811443


bbcSmallEastAdcSumVsSimu
Entries 2
Data
Simu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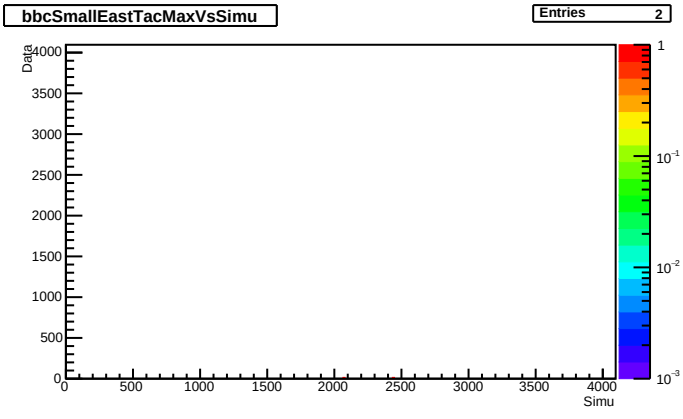
Entries6811443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Entries 2
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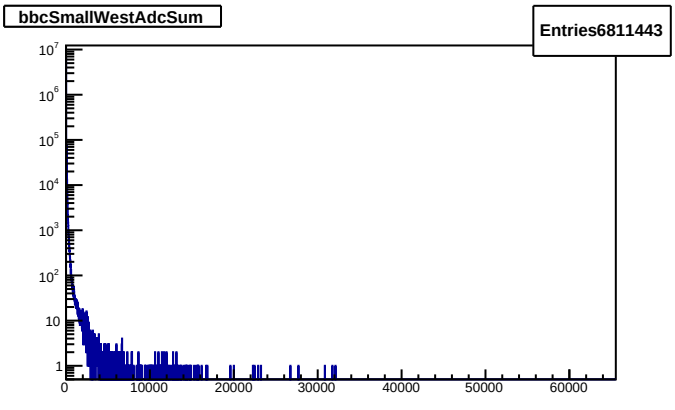
Simu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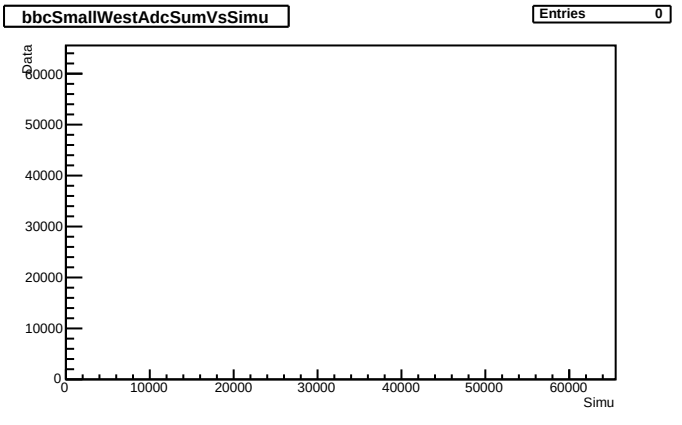
Entries6811443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Entries 0
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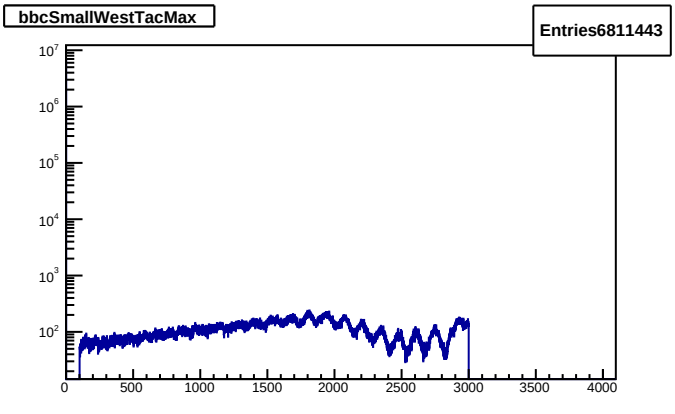
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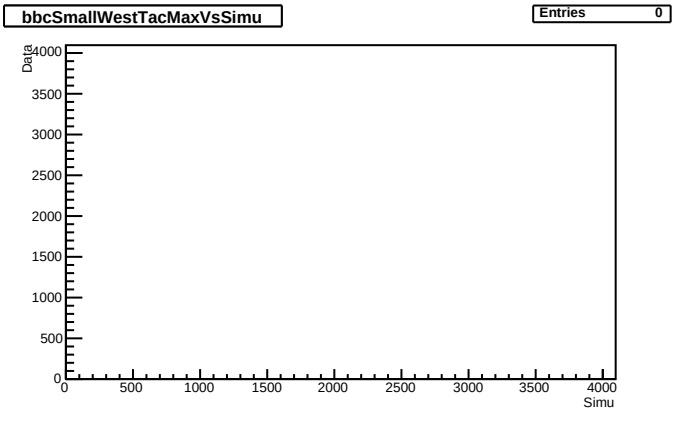
Entries6811443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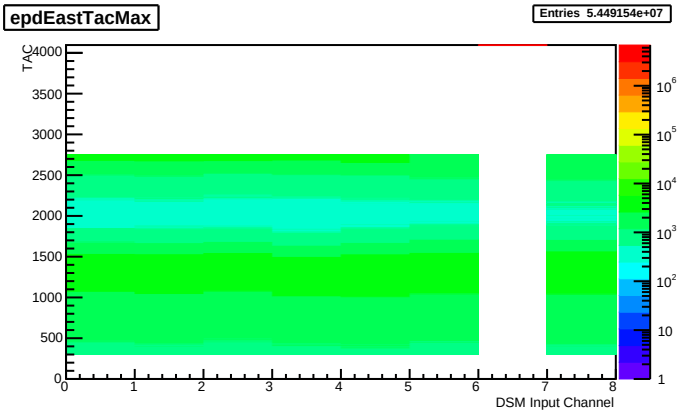
Entries 0
Data
Simu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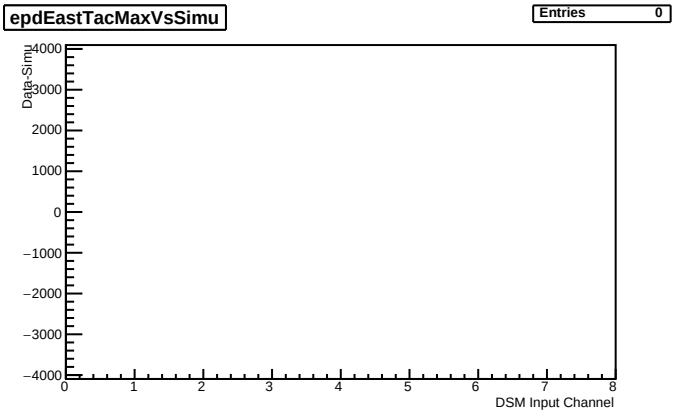
Entries 5.449154e+07
TAC
DSM Input Channel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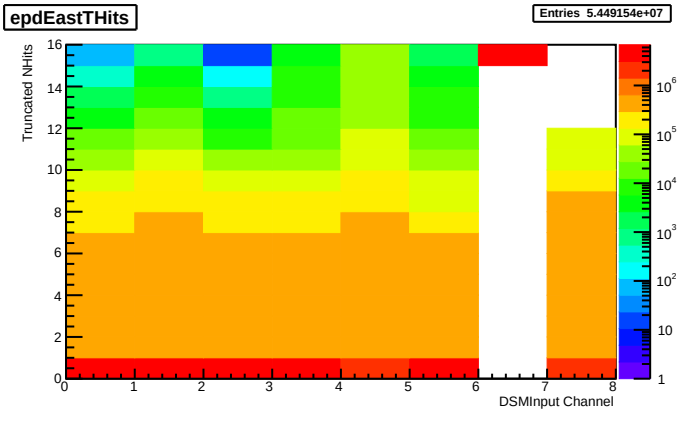
Entries 0
Data-Simu
DSM Input Channel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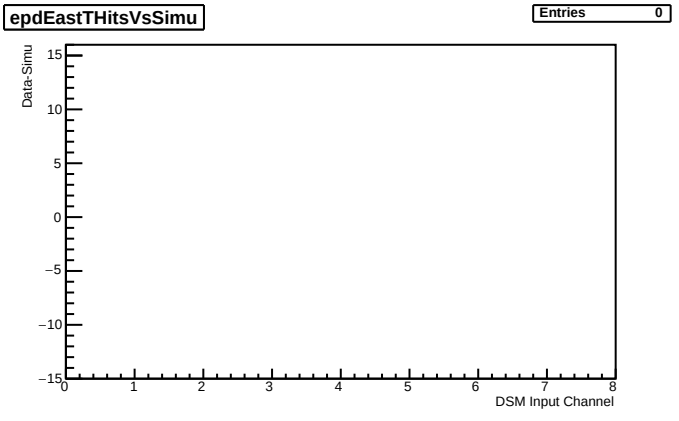
Entries 5.449154e+07
Truncated NHits
DSMInput Channel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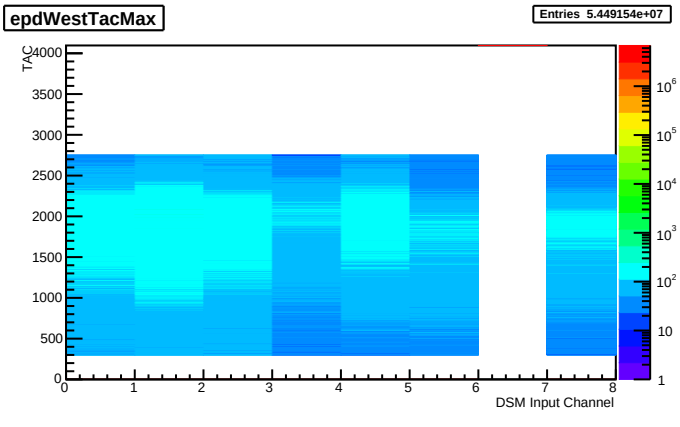
Data-Simu
DSM Input Channel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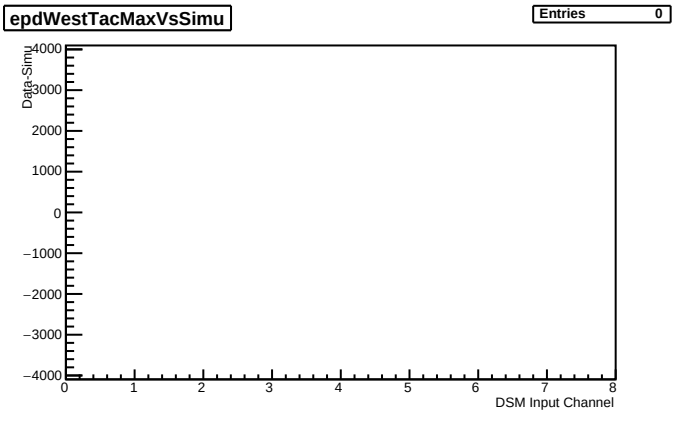
TAC
DSM Input Channel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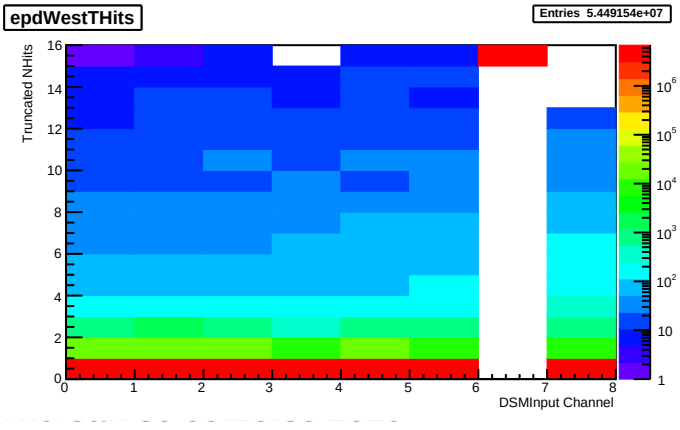
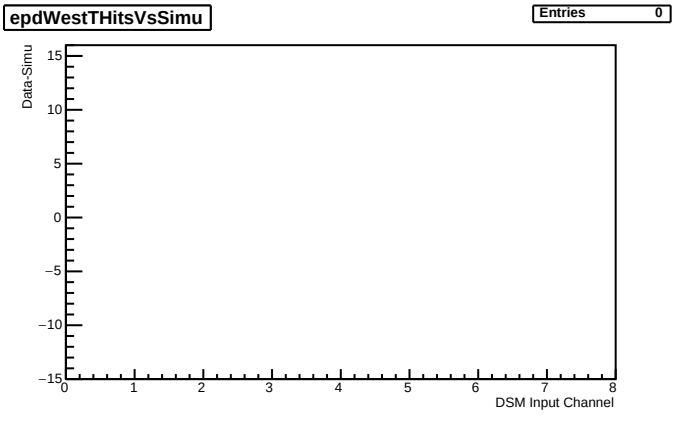
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 5.449154e+07
Truncated NHits
DSMInput Channel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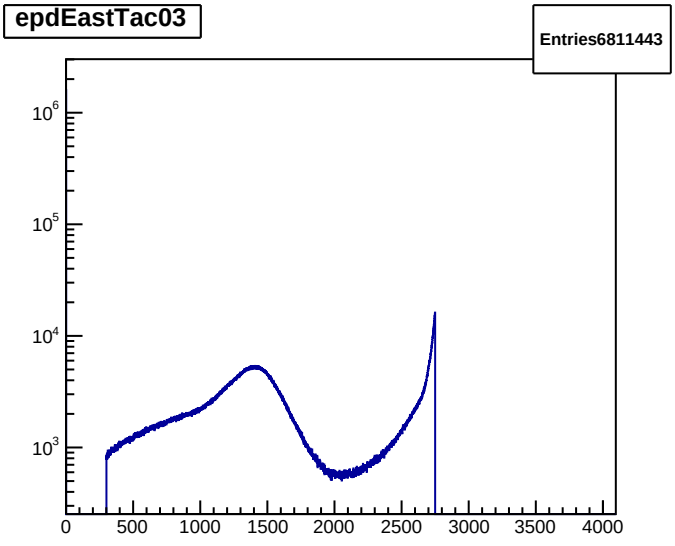
DSM Input Channel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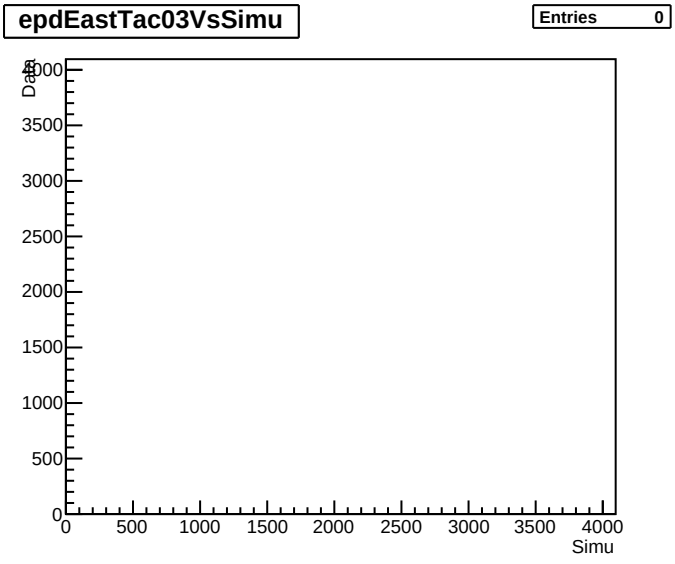
Entries6811443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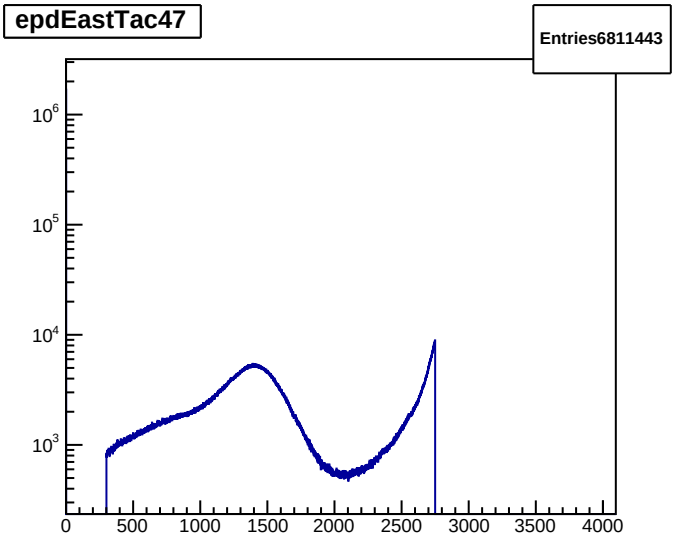
Entries 0
Data
Simu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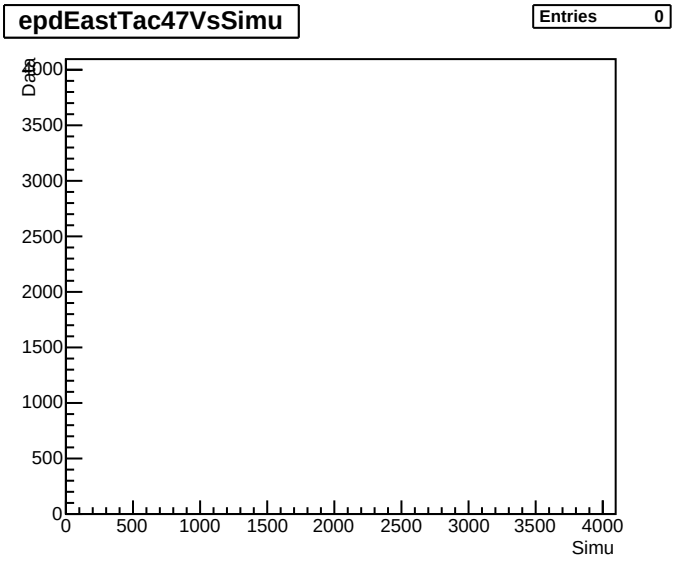
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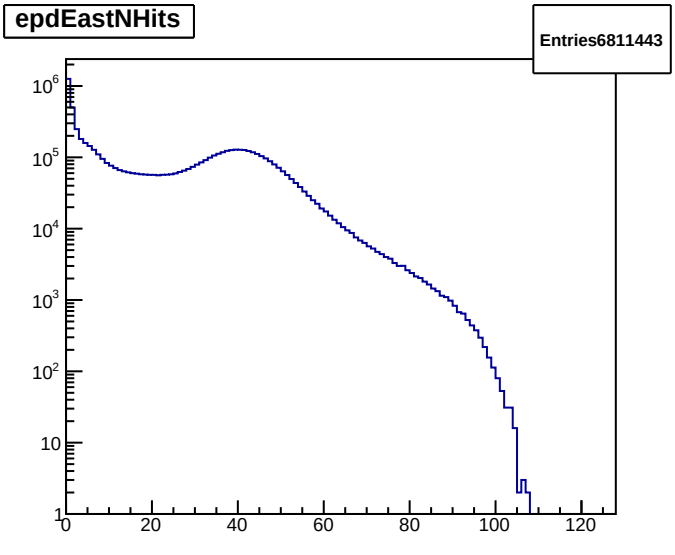
Entries 0
Data
Simu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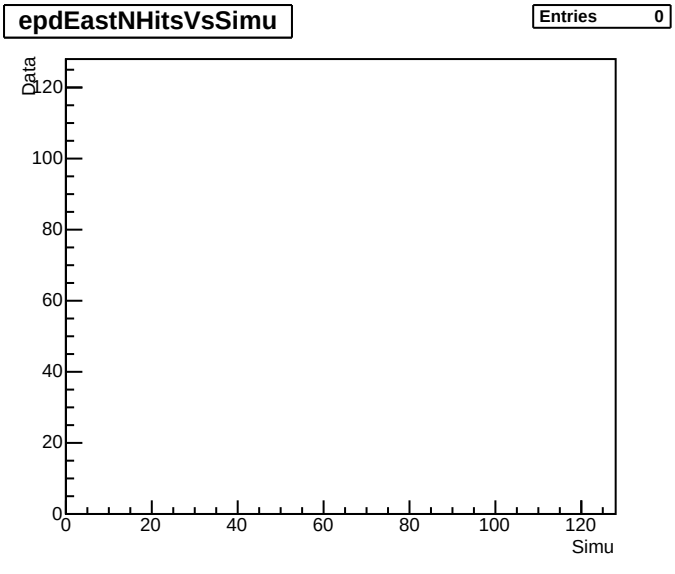
Entries6811443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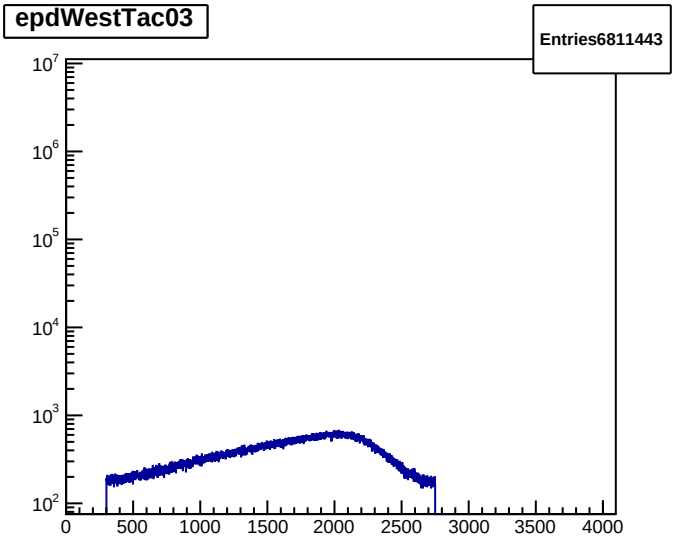
Entries 0
Data
Simu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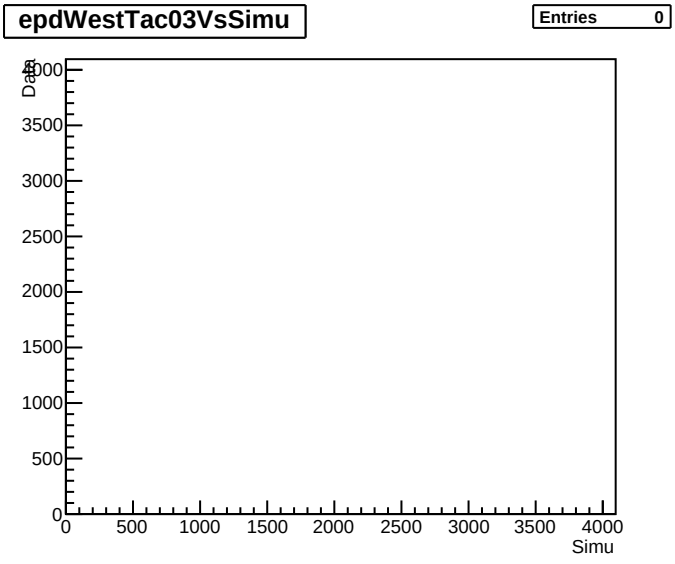
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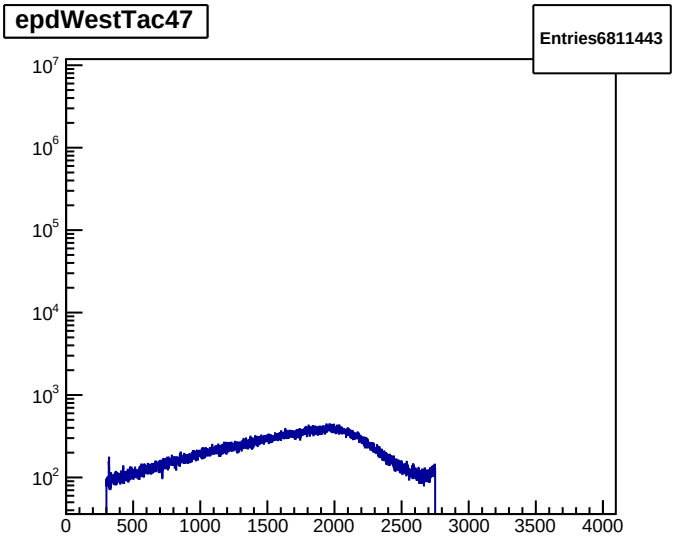
Entries 0
Data
Simu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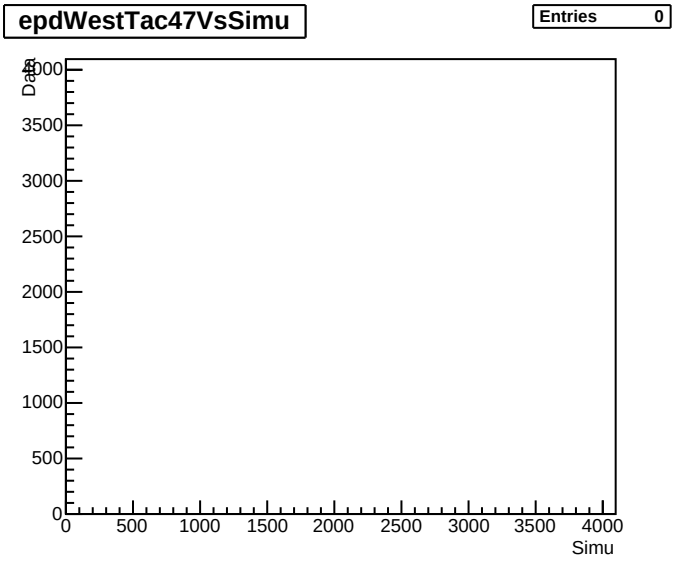
Entries6811443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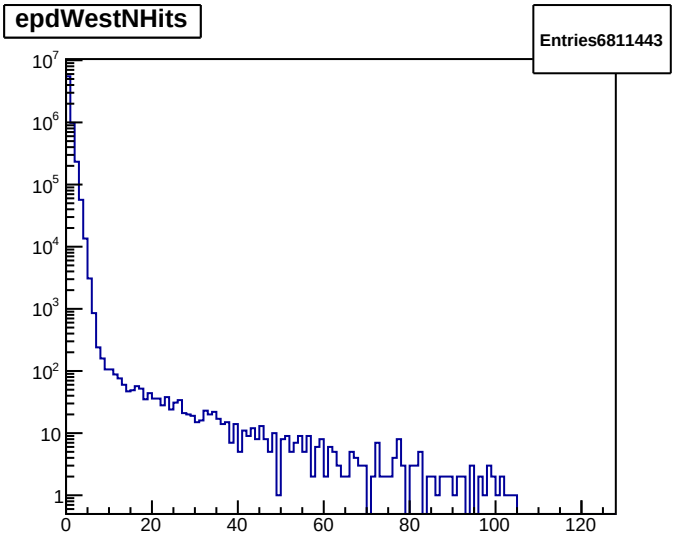
Data
Simu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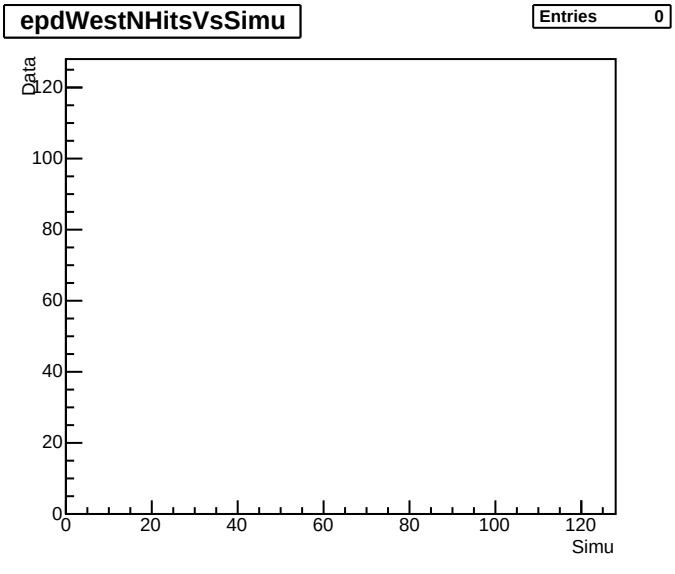
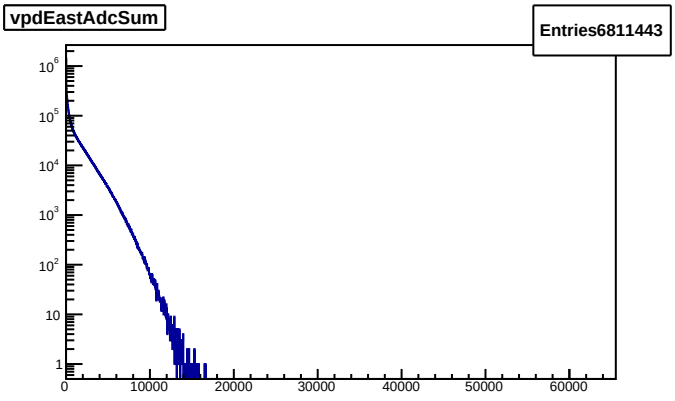
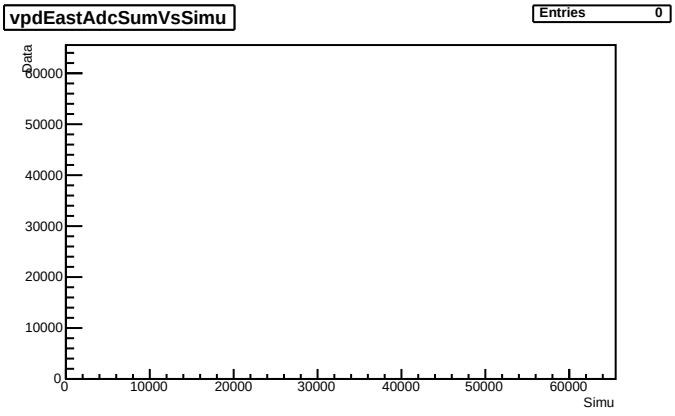
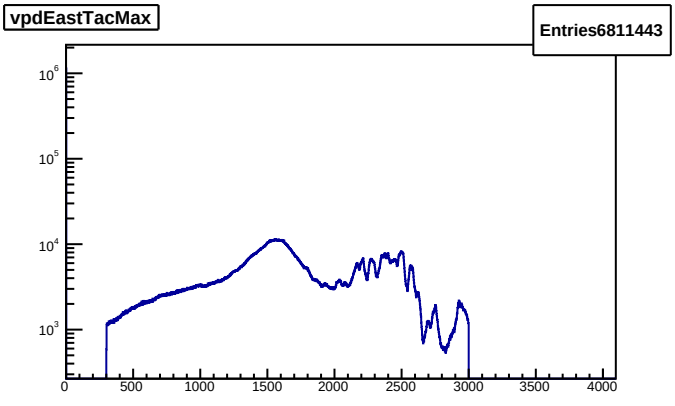
Entries6811443


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries6811443


vpdEastAdcSumVsSimu
Entries 0
Data
Simu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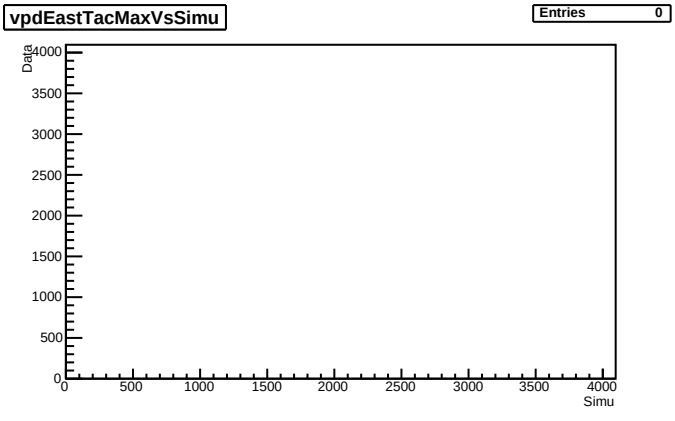
Entries6811443


vpdEastTacMaxVsSimu
Entries 0
Data
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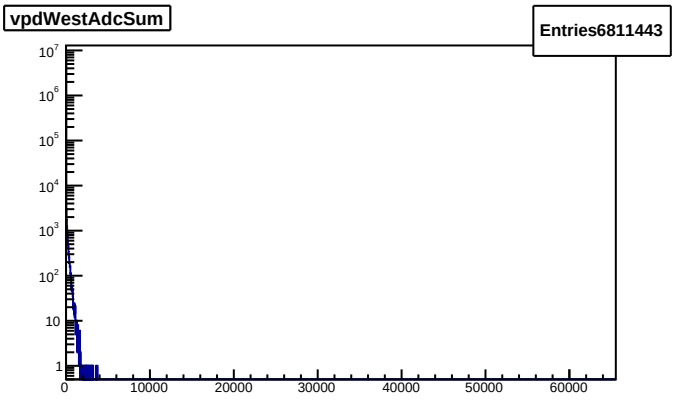
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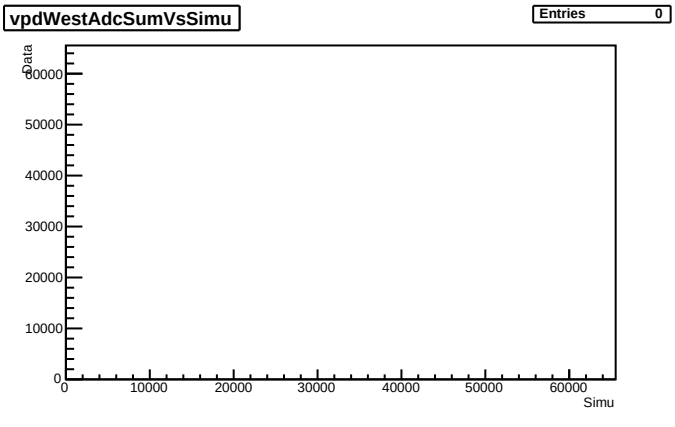
Entries6811443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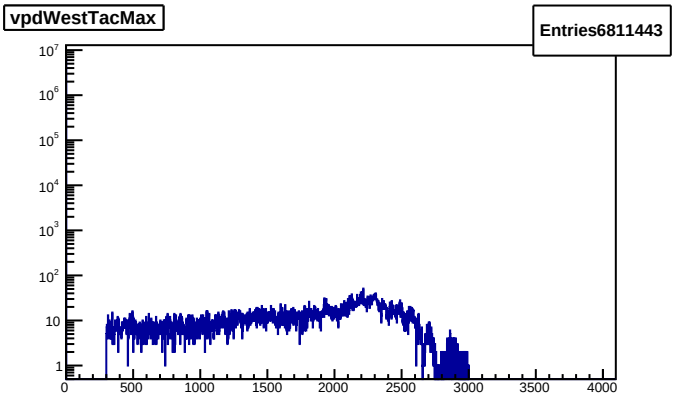
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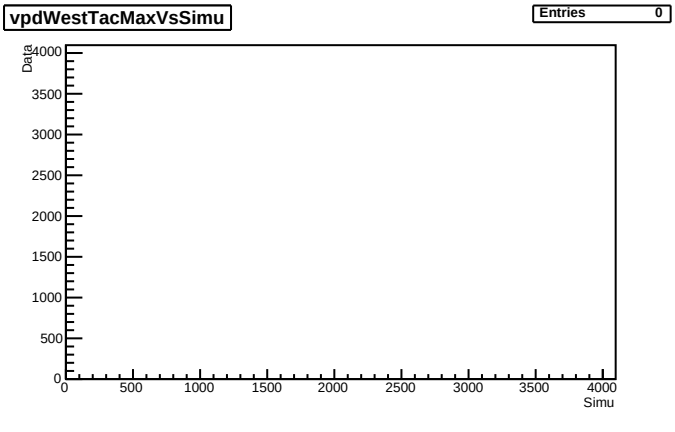
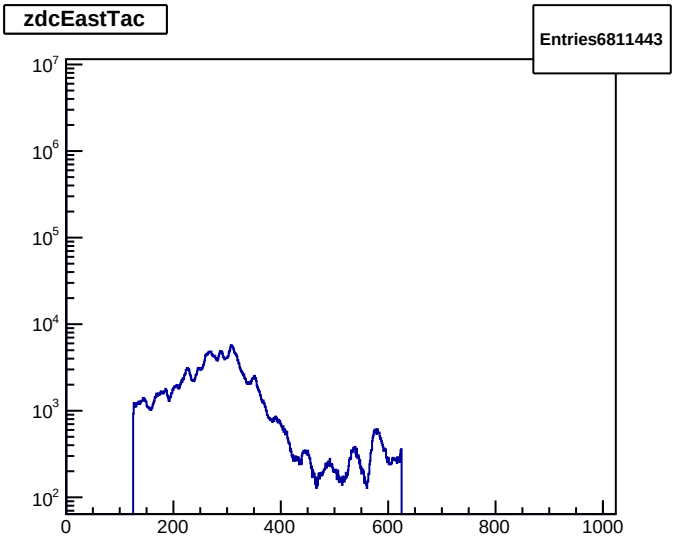
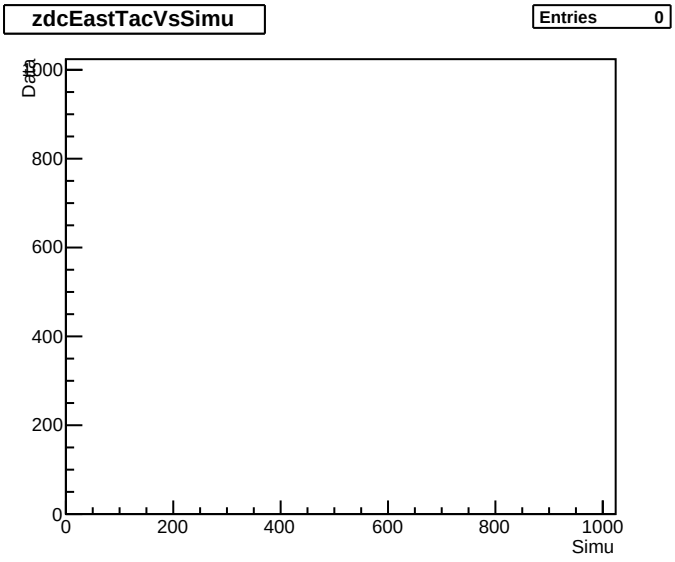
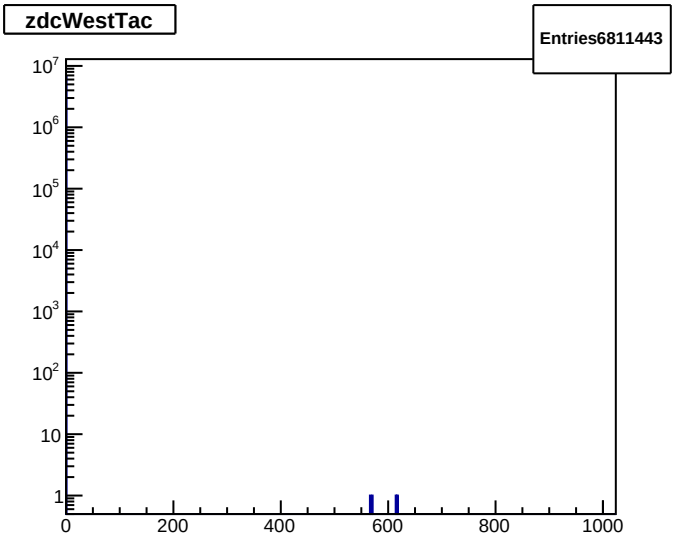
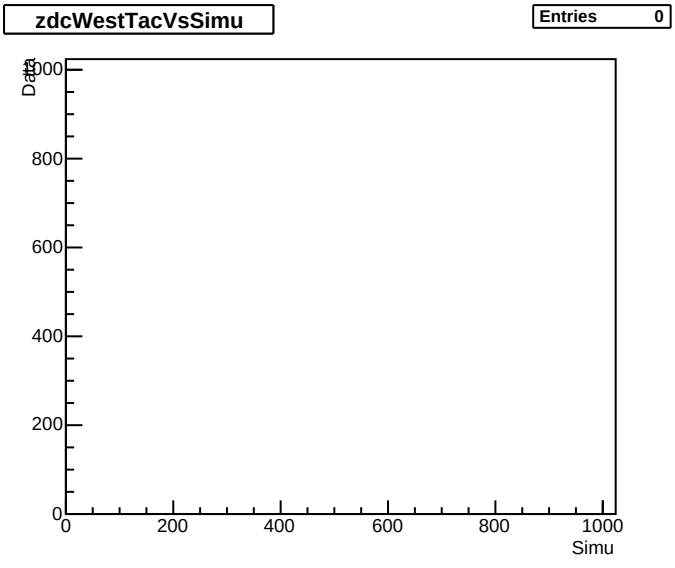
Entries6811443

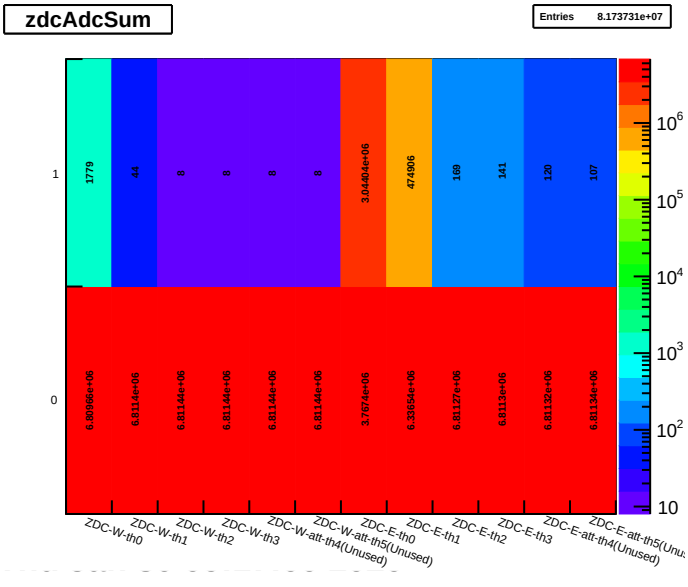

vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries6811443


zdcEastTacVsSimu
Entries 0
Data
Simu


zdcWestTac
Entries6811443


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 8.173731e+07
1779
44
8
8
8
8
3.04404e+06
474906
169
141
120
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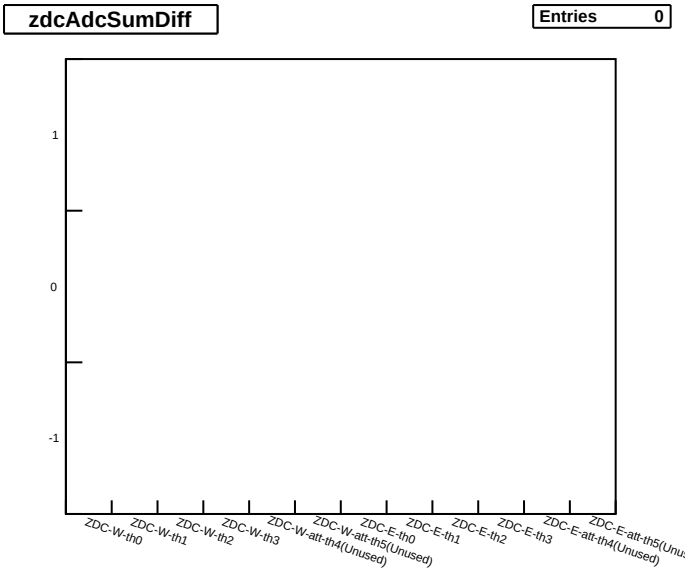
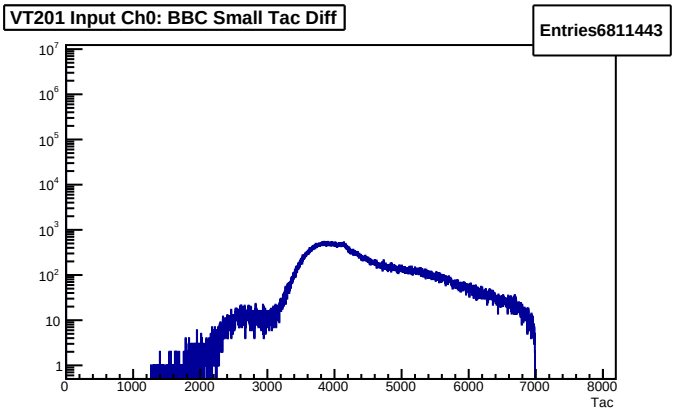
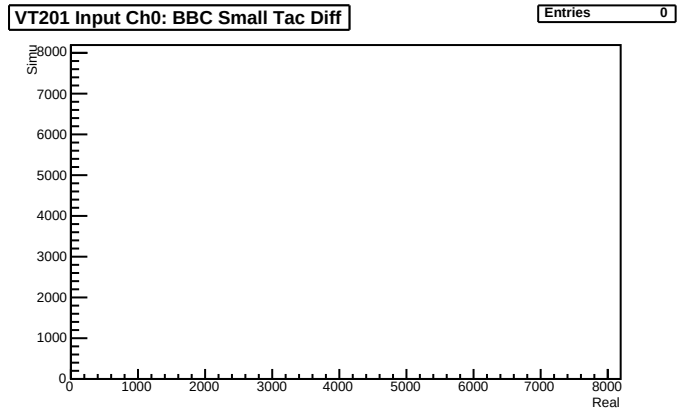
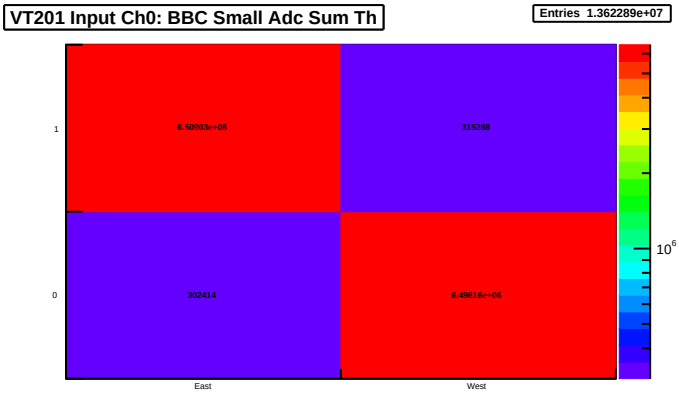
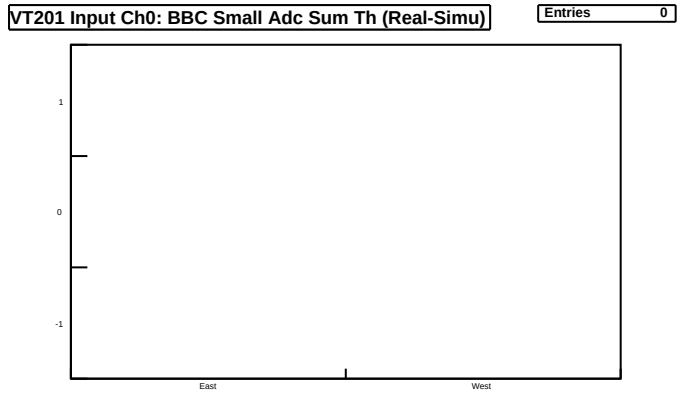
6.80966e+06
6.8114e+06
6.8114e+06
6.8114e+06
6.8114e+06
6.8114e+06
3.7674e+06
6.33654e+06
6.81127e+06
6.8113e+06
6.81132e+06
6.81134e+06
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

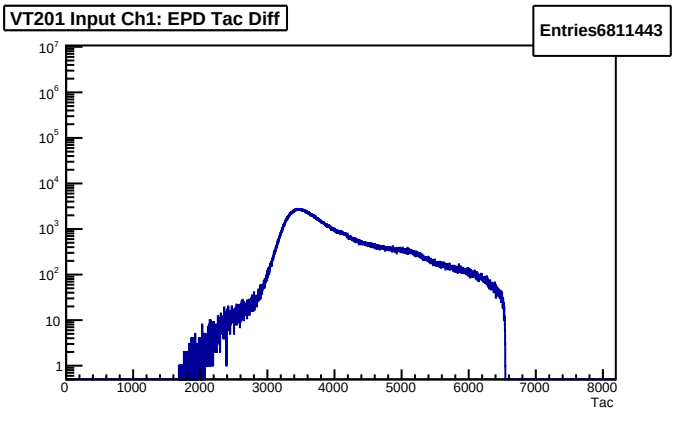

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

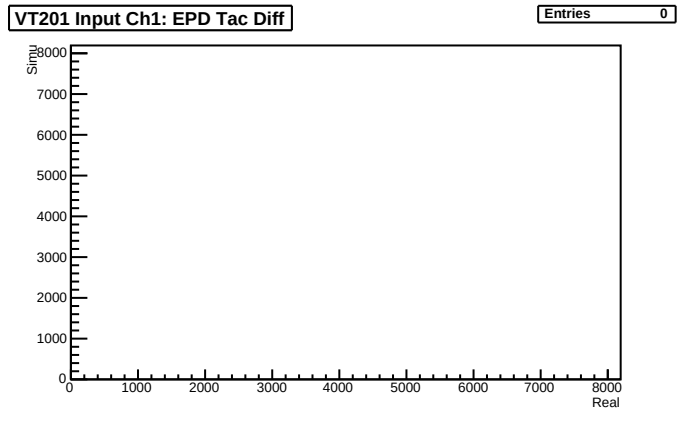

VT201 Input Ch0: BBC Small Tac Diff
Entries6811443
Tac

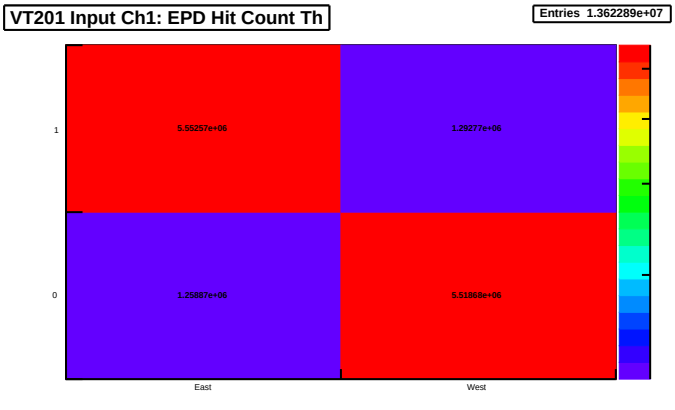

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

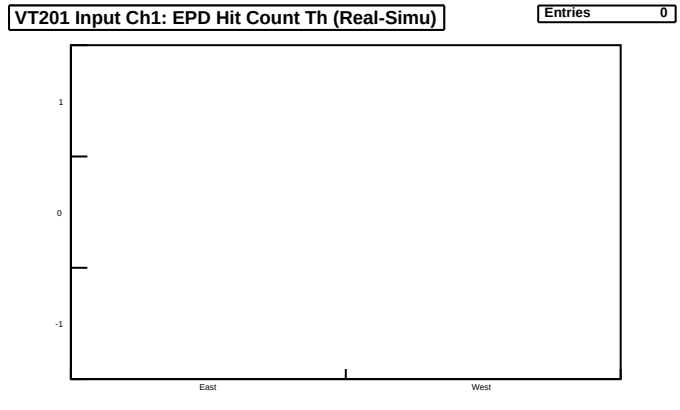

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1.362289e+07
6.50903e+06
315288
302414
6.49616e+06
East
West

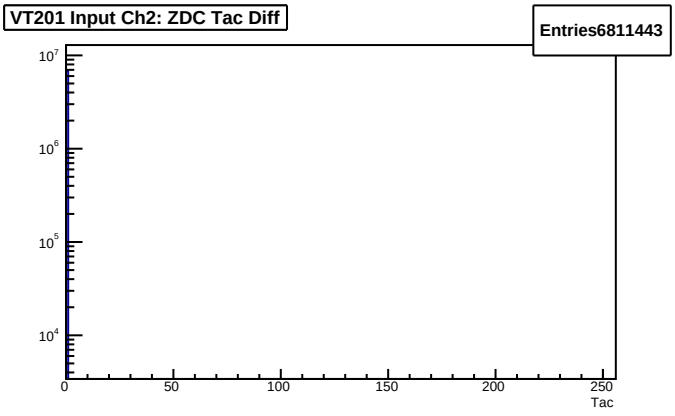

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

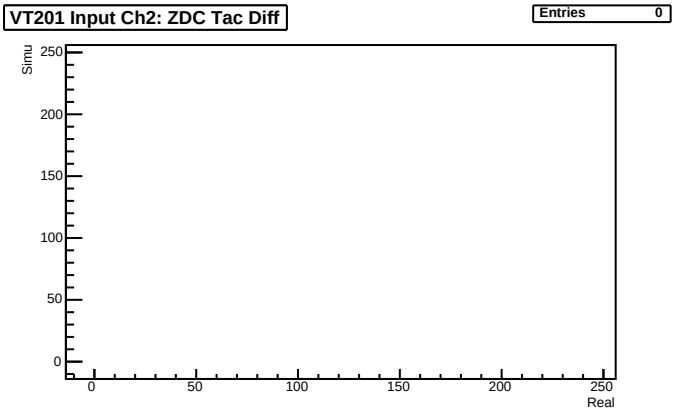

VT201 Input Ch1: EPD Tac Diff
Entries6811443
Tac

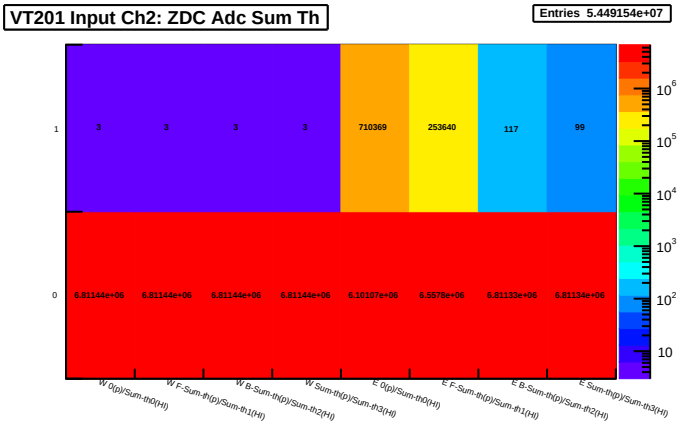

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

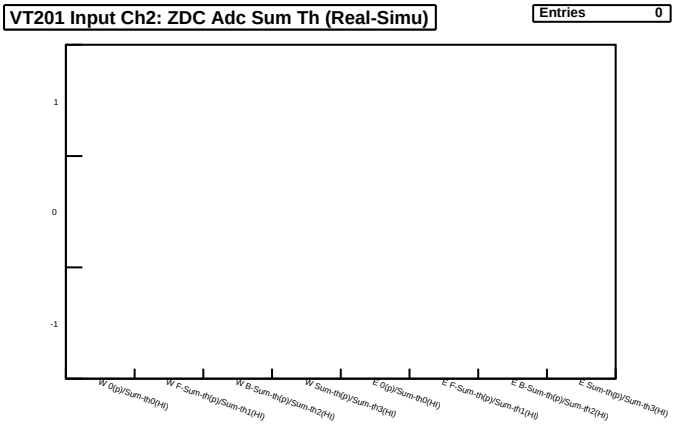

VT201 Input Ch1: EPD Hit Count Th
Entries 1.362289e+07
5.55257e+06
1.29277e+06
1.25887e+06
5.51868e+06
East
West

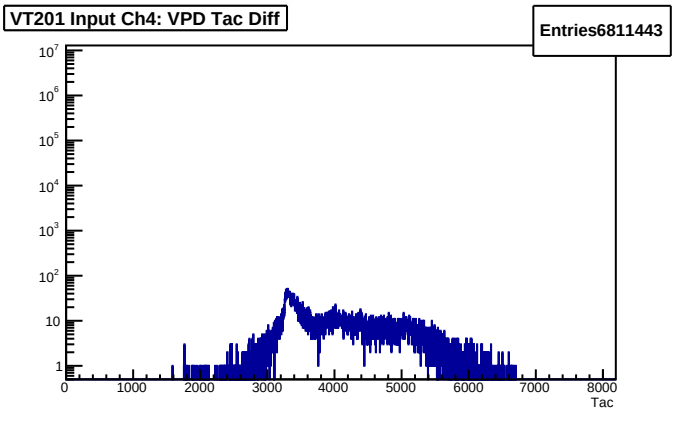

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

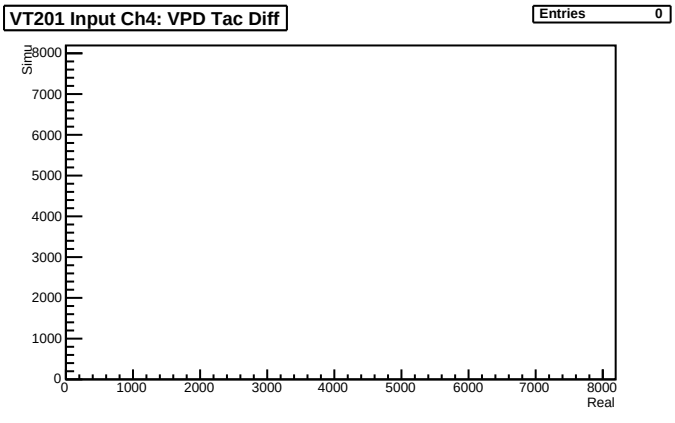

VT201 Input Ch2: ZDC Tac Diff
Entries6811443
Tac

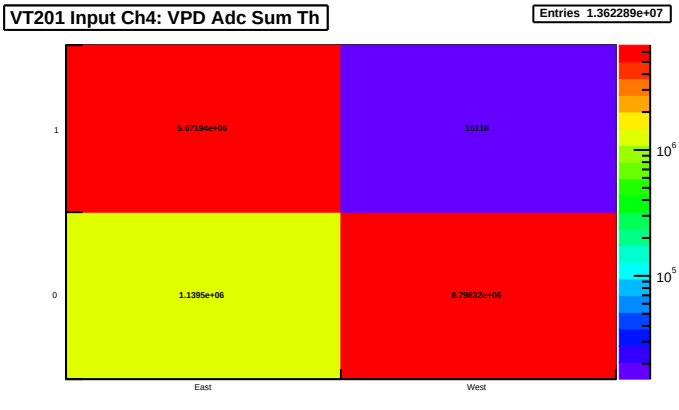

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

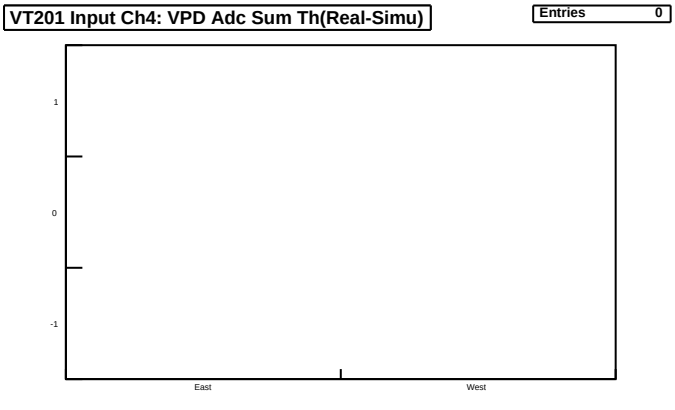

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5.449154e+07
3
3
3
3
710369
253640
117
99
6.81144e+06
6.81144e+06
6.81144e+06
6.81144e+06
6.10107e+06
6.5578e+06
6.81133e+06
6.81134e+06
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

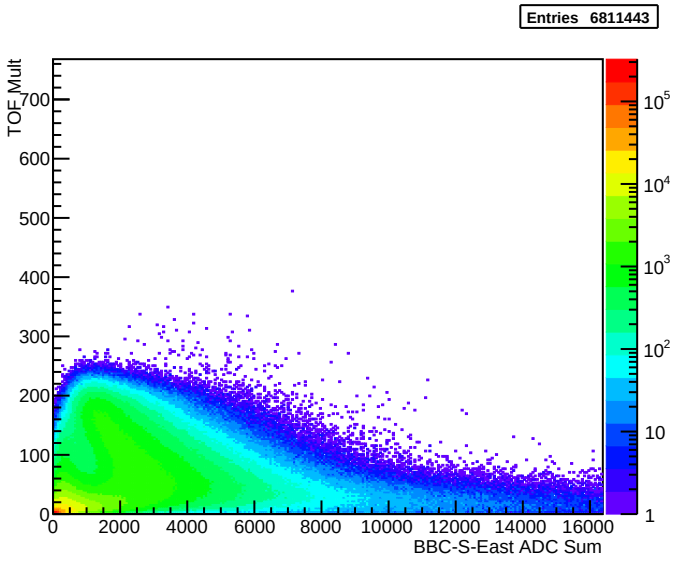

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

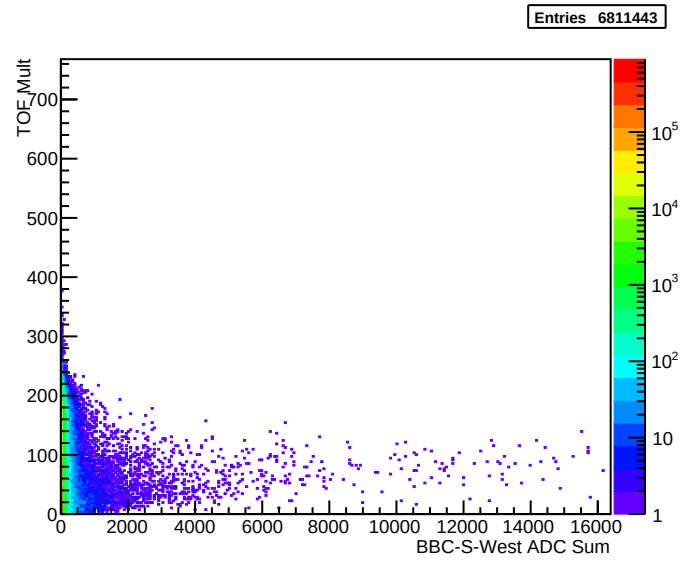

VT201 Input Ch4: VPD Tac Diff
Entries6811443
Tac

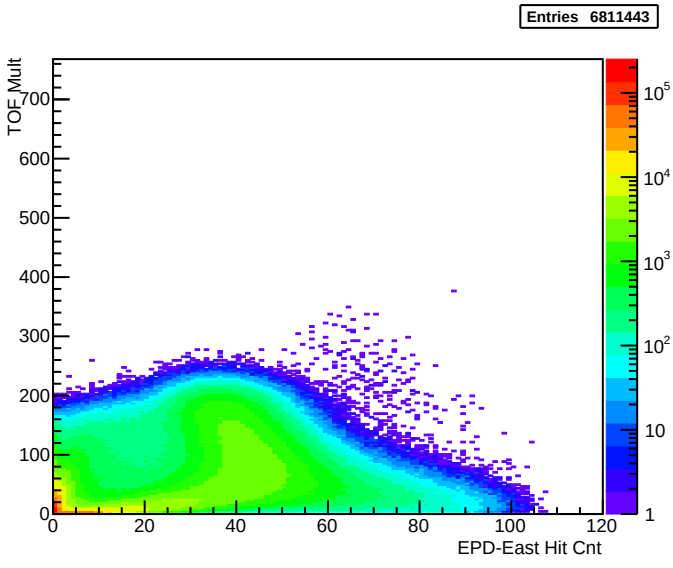

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

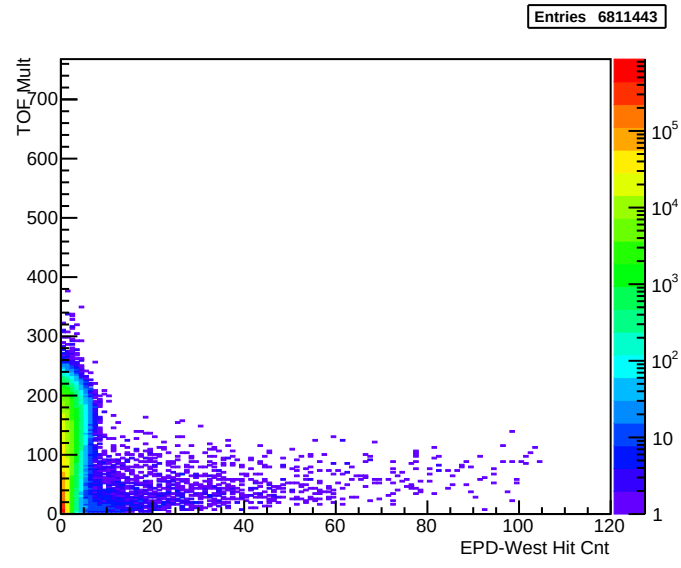

VT201 Input Ch4: VPD Adc Sum Th
Entries 1.362289e+07
5.67194e+06
15118
1.1395e+06
6.79632e+06
East
West

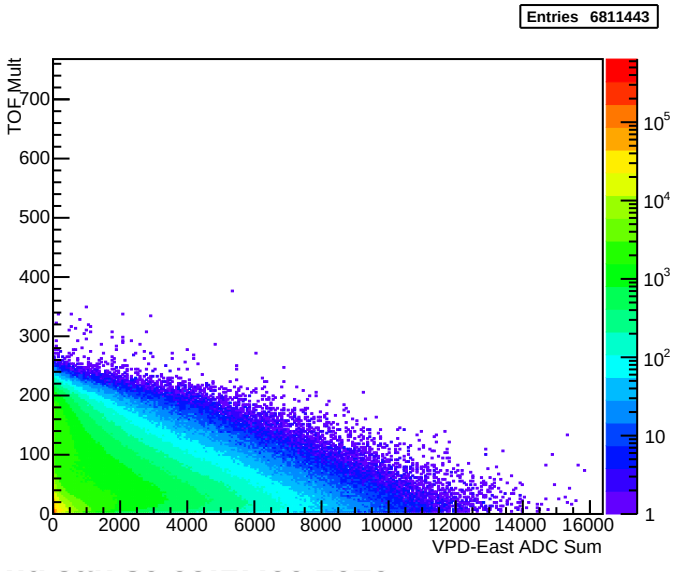

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

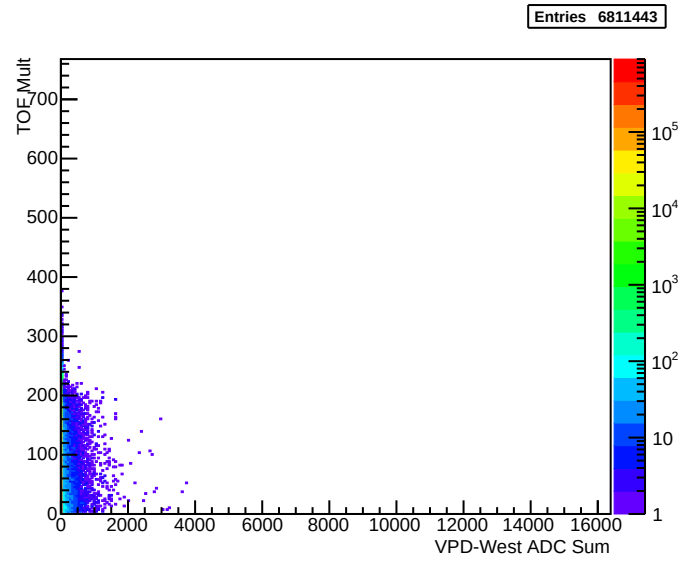

Entries 6811443
TOF_Mult
BBC-S-East ADC Sum

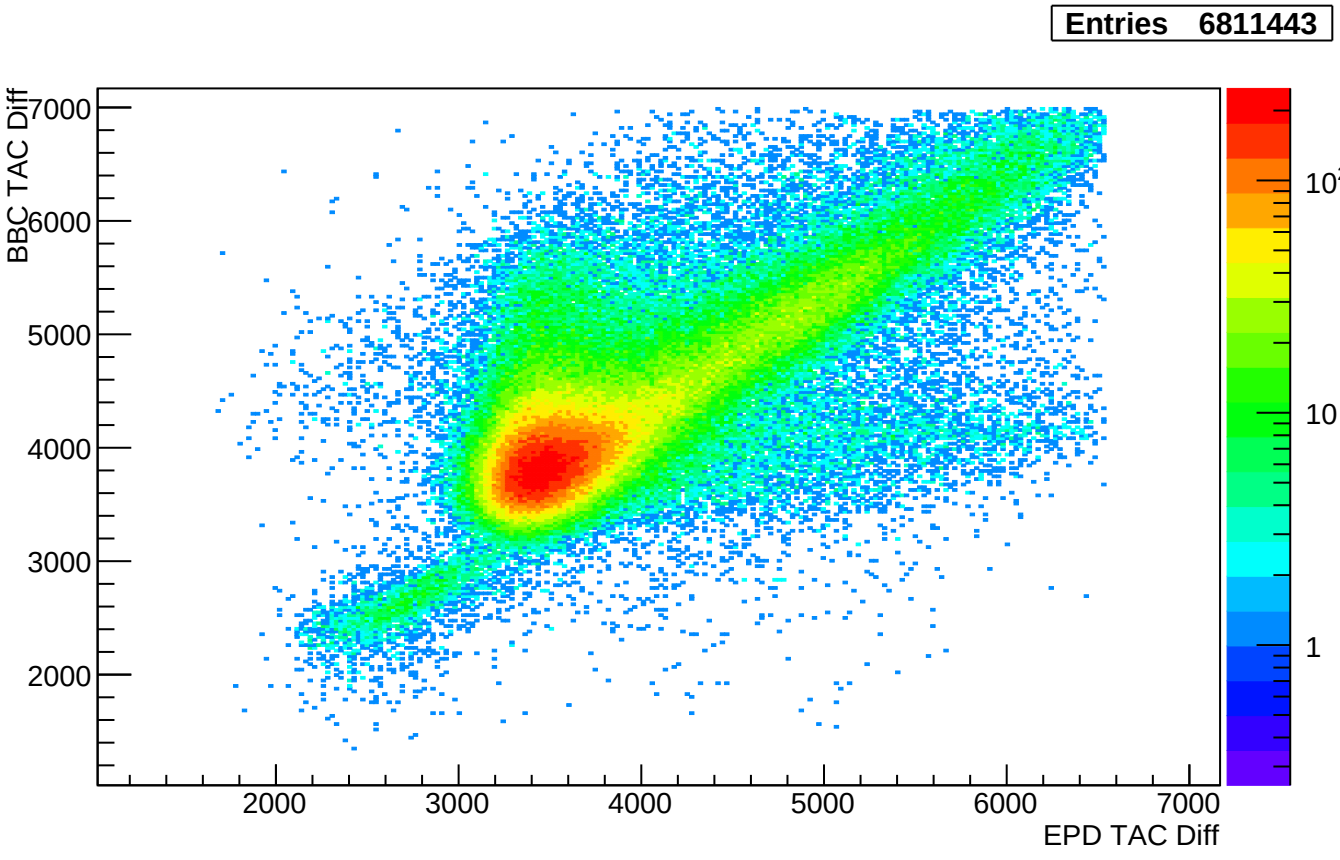

Entries 6811443
TOF_Mult
BBC-S-West ADC Sum

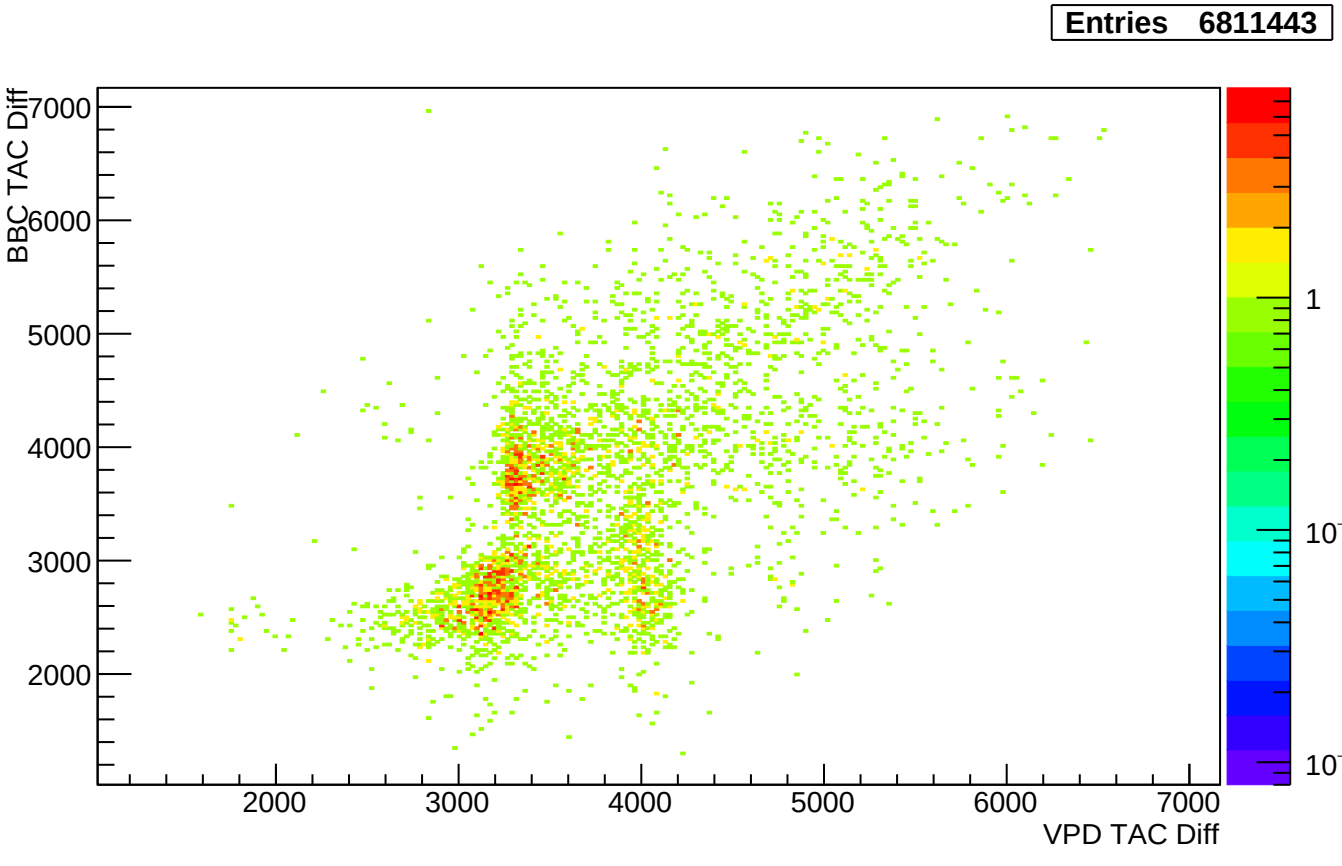

Entries 6811443
TOF_Mult
EPD-East Hit Cnt

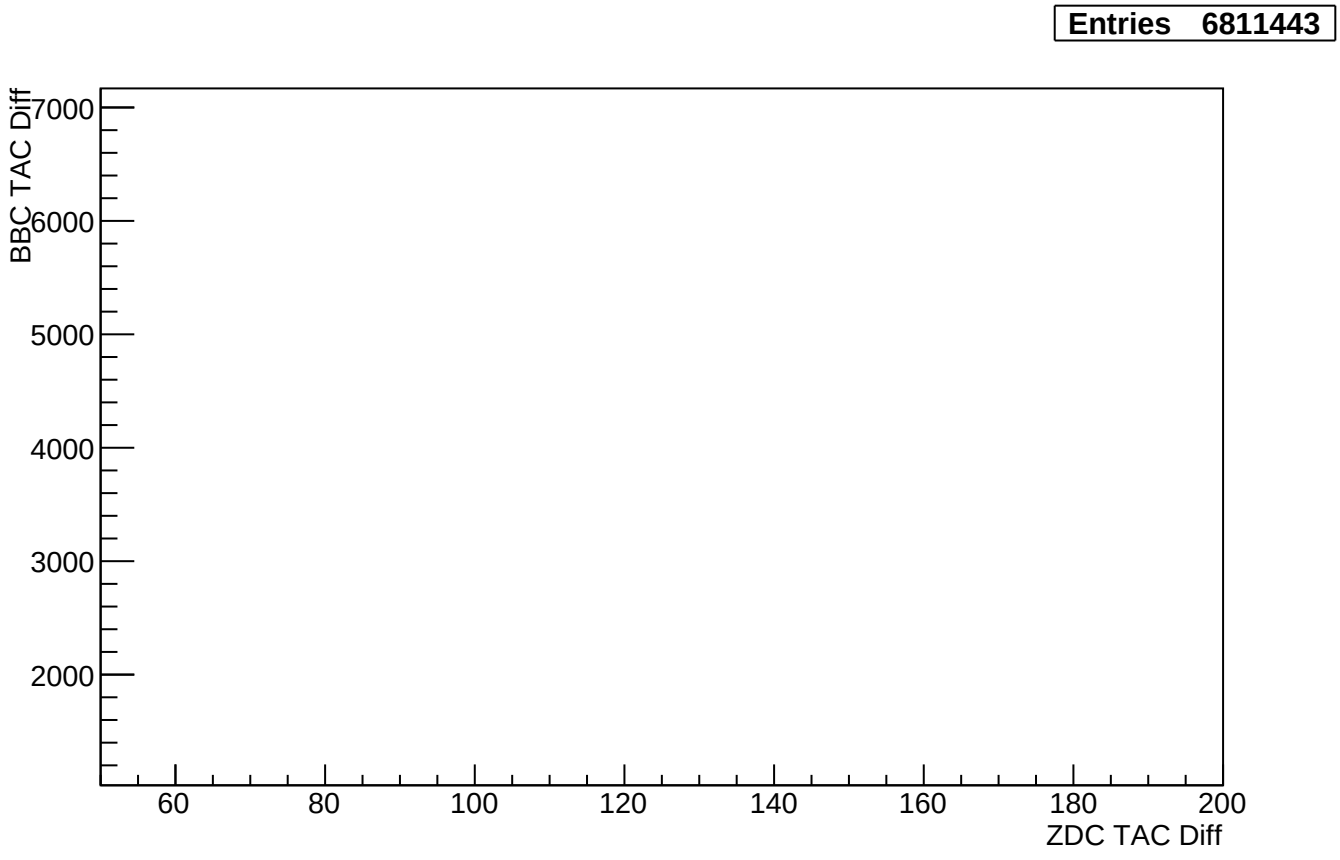

Entries 6811443
TOF_Mult
EPD-West Hit Cnt

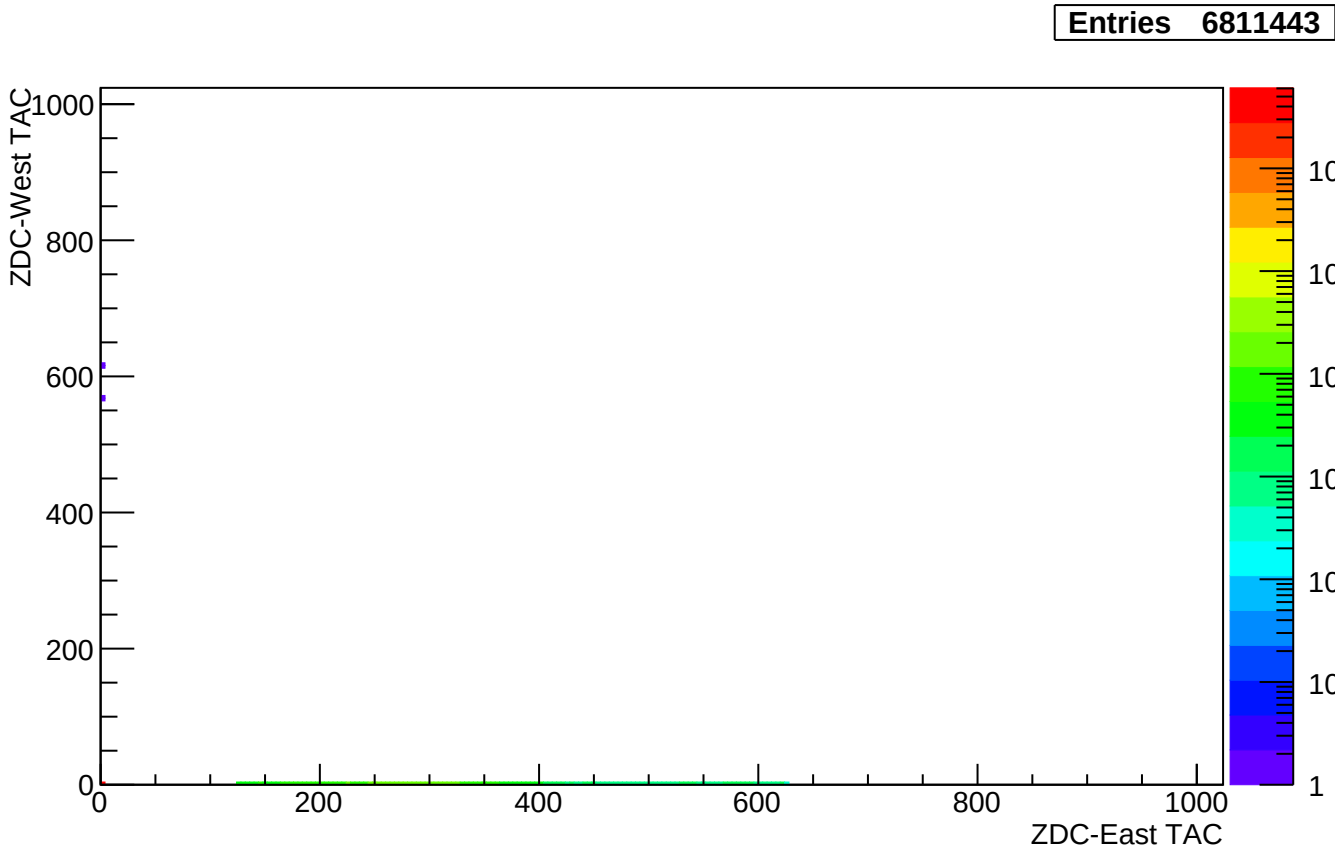

Entries 6811443
TOF_Mult
VPD-East ADC Sum

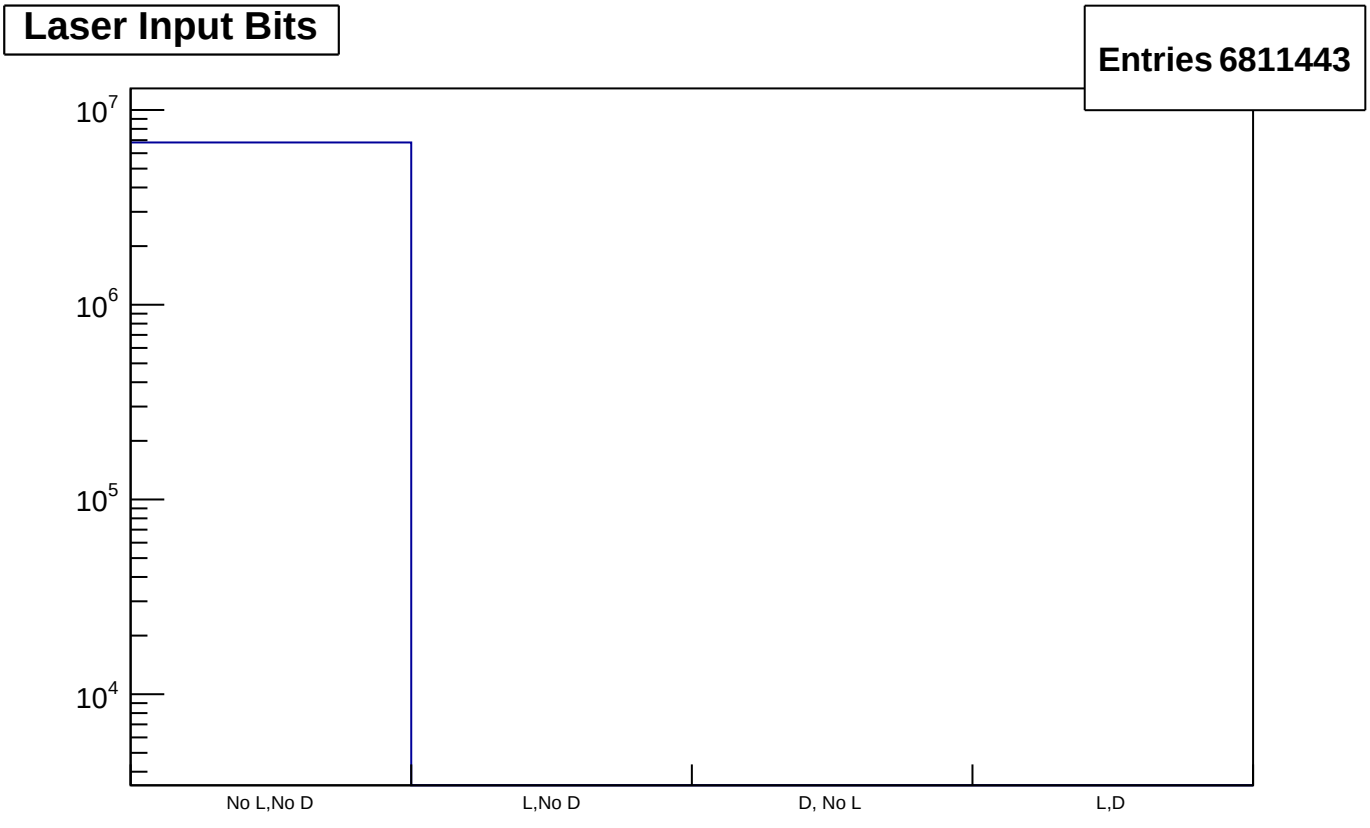

Entries 6811443
TOF_Mult
VPD-West ADC Sum

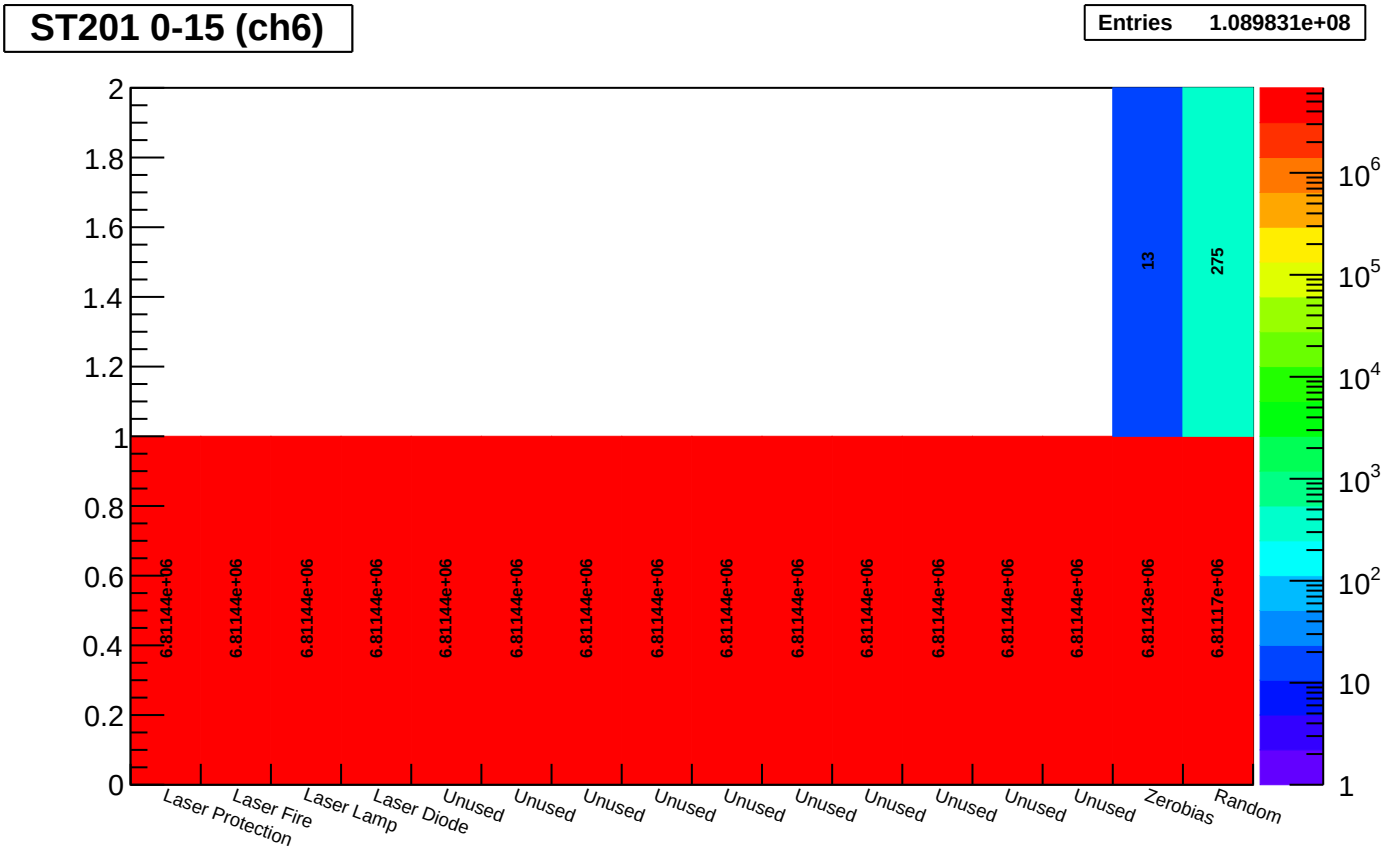

Entries 6811443
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

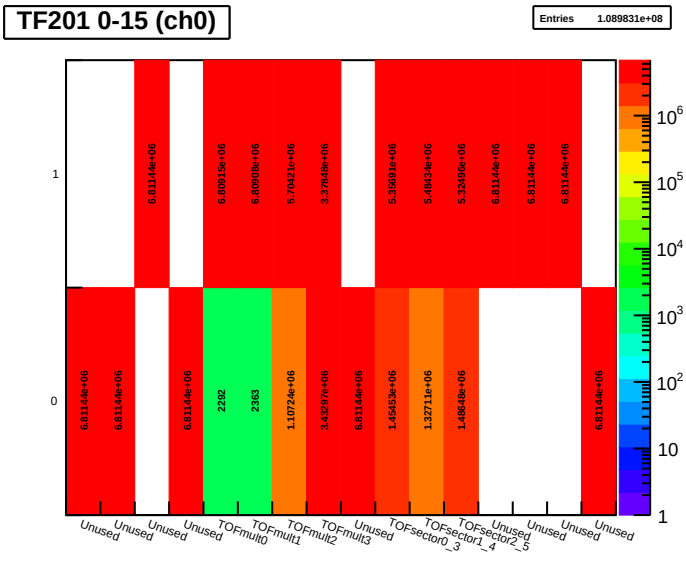

Entries 6811443
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

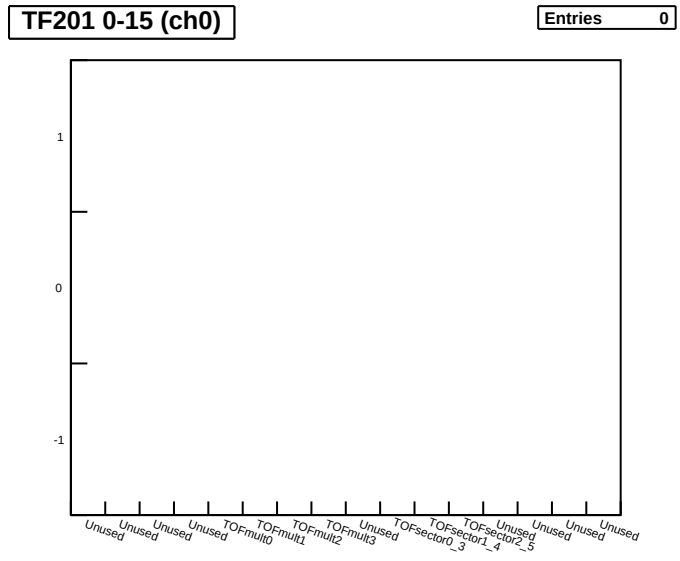

Entries 6811443
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff

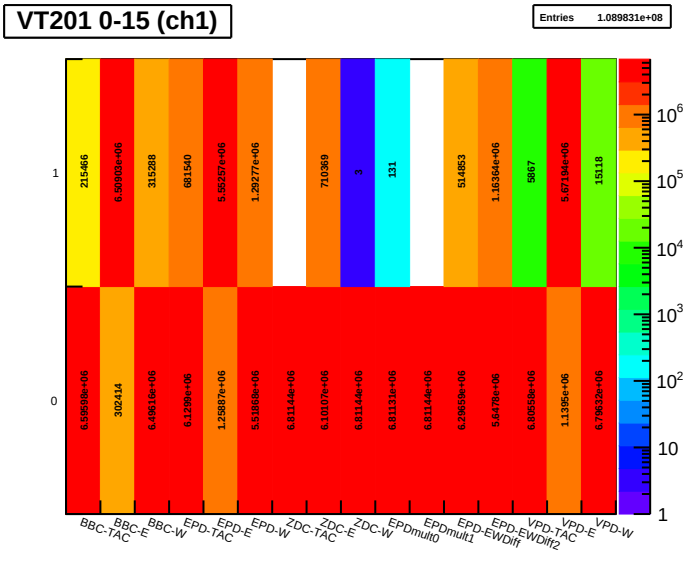

Entries 6811443
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^6
10^5
10^4
10^3
10^2
10
1

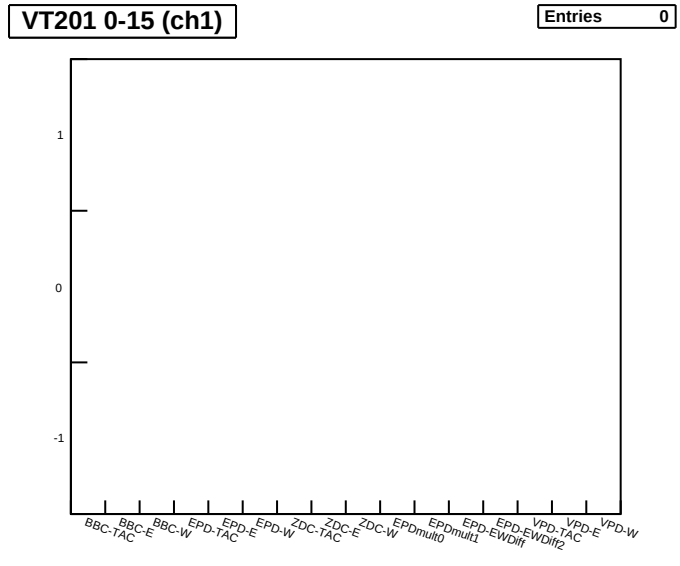

Laser Input Bits
Entries 6811443
10^7
10^6
10^5
10^4
No L,No D
L,No D
D, No L
L,D

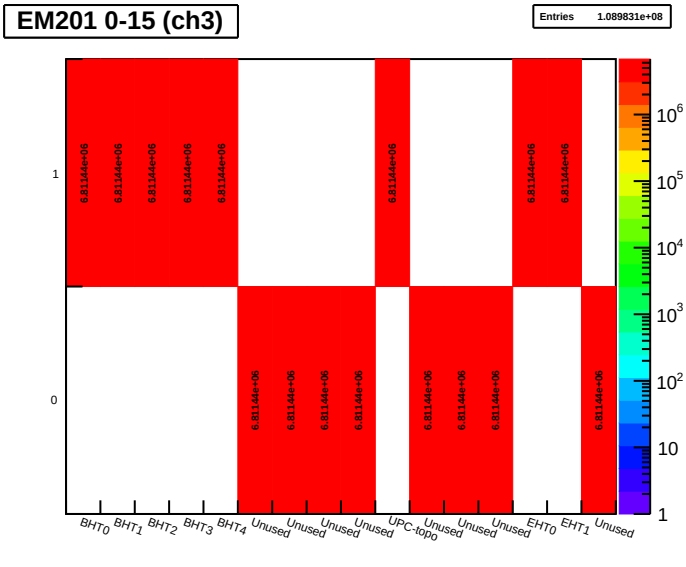

ST201 0-15 (ch6)
Entries 1.089831e+08
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
13
275
6.81144e+06
6.81143e+06
6.81117e+06
10^6
10^5
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

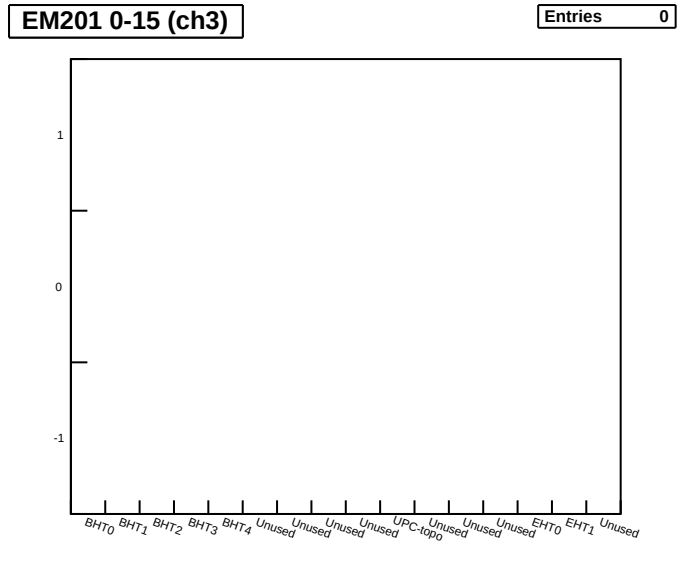

TF201 0-15 (ch0)
Entries 1.089831e+08
6.81144e+06
6.80915e+06
6.80908e+06
5.70421e+06
3.37848e+06
5.35691e+06
5.49434e+06
5.32496e+06
6.81144e+06
6.81144e+06
6.81144e+06
6.81144e+06
6.81144e+06
2292
2363
1.10724e+06
3.43297e+06
6.81144e+06
1.45453e+06
1.32711e+06
1.48648e+06
6.81144e+06
Unused
TOFmult0
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 1.089831e+08
215466
6.50903e+06
315288
681540
5.55357e+06
1.29277e+06
710369
3
131
514853
1.16364e+06
5667
5.67194e+06
15118
6.59598e+06
302414
6.49616e+06
6.1298e+06
1.25887e+06
5.51868e+06
6.81144e+06
6.10107e+06
6.81144e+06
6.81131e+06
6.81144e+06
6.29659e+06
5.6478e+06
6.80558e+06
1.1395e+06
6.79632e+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 1.089831e+08
6.81144e+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