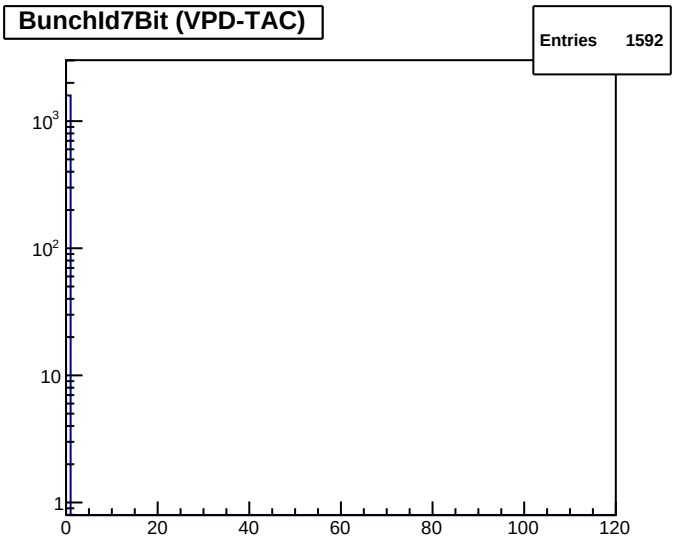
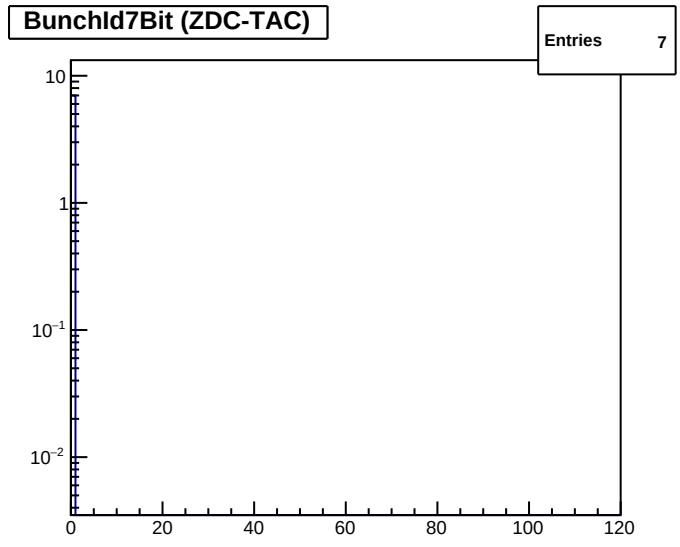
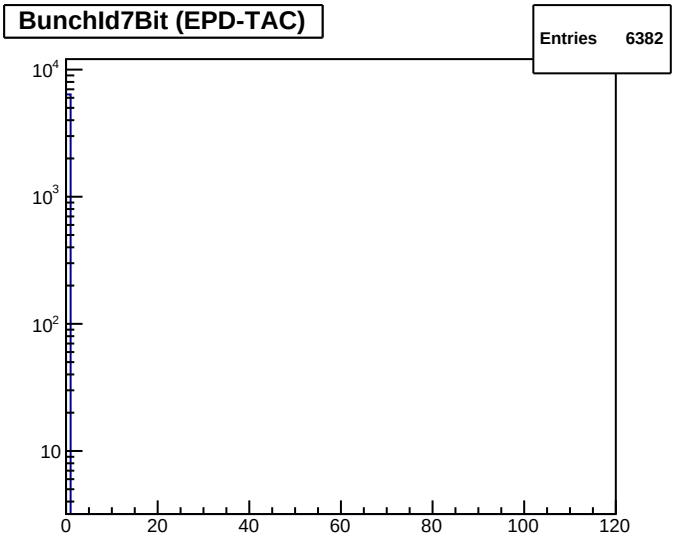
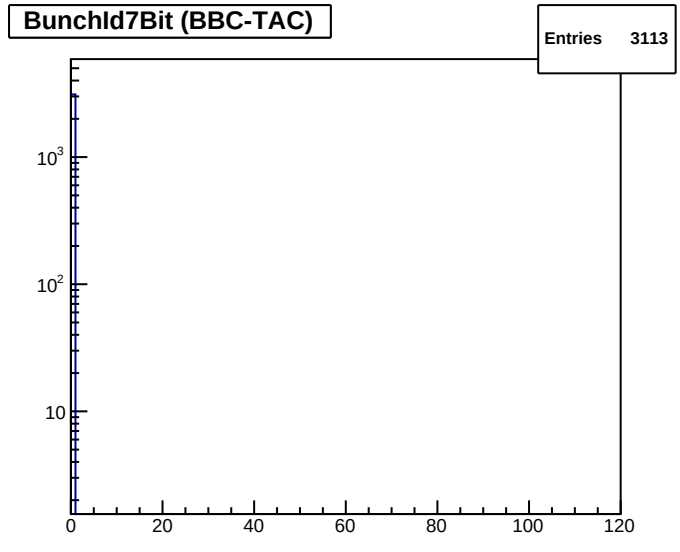
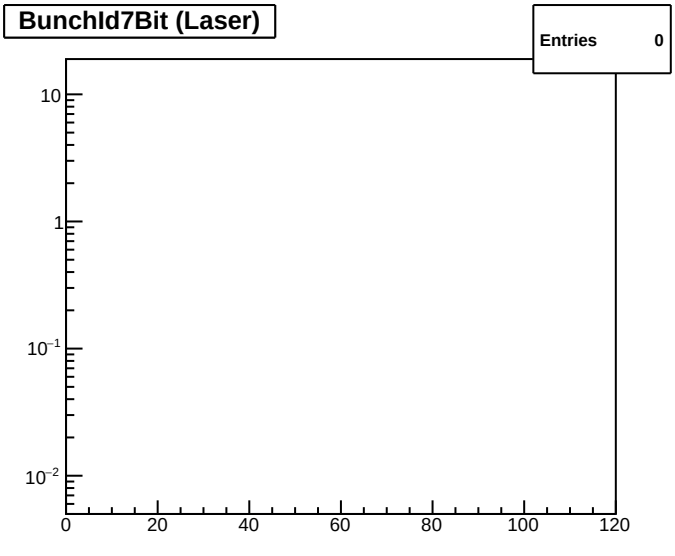
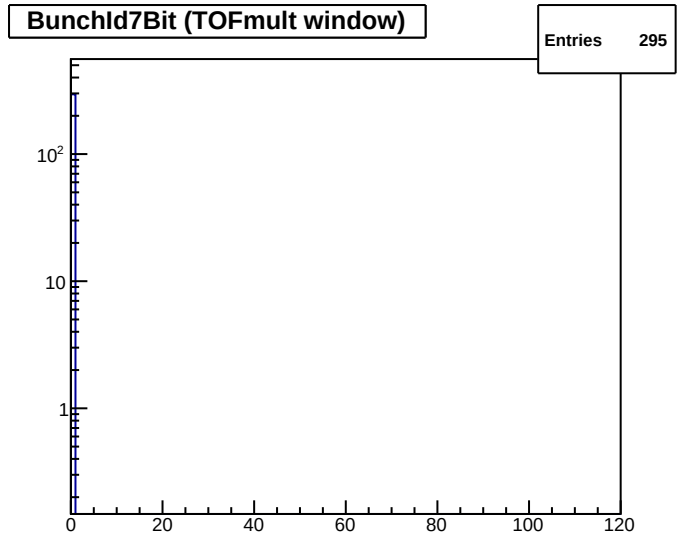

BunchId7Bit (VPD-TAC)
Entries 1592

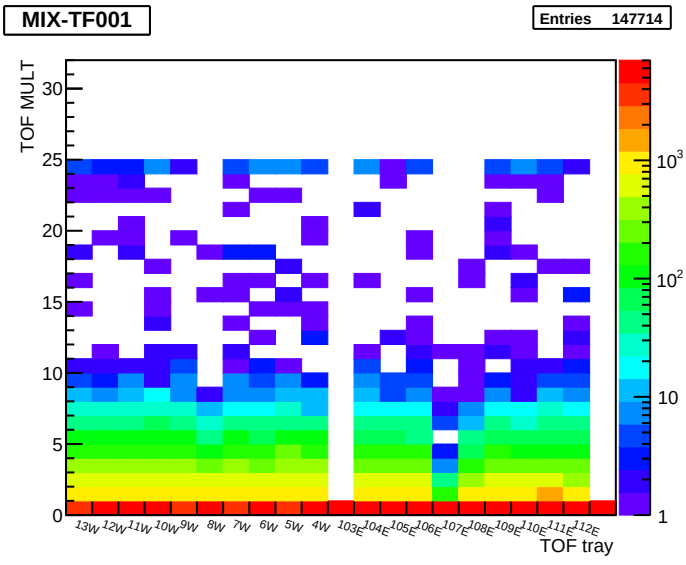

BunchId7Bit (ZDC-TAC)
Entries 7

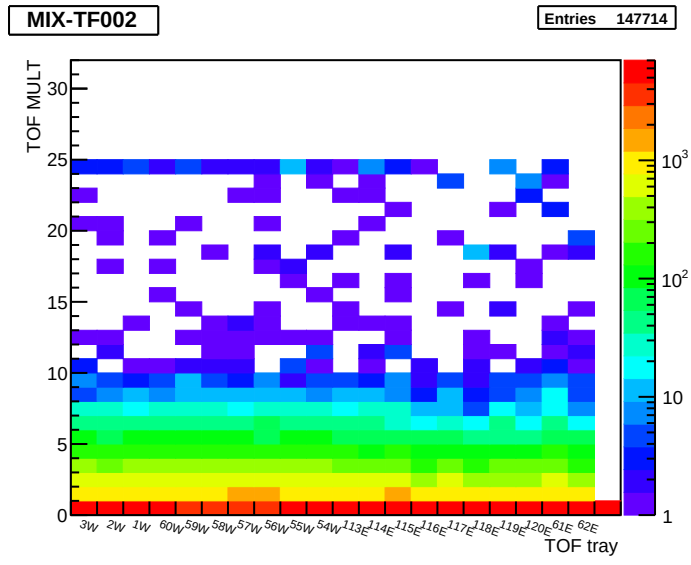

BunchId7Bit (EPD-TAC)
Entries 6382

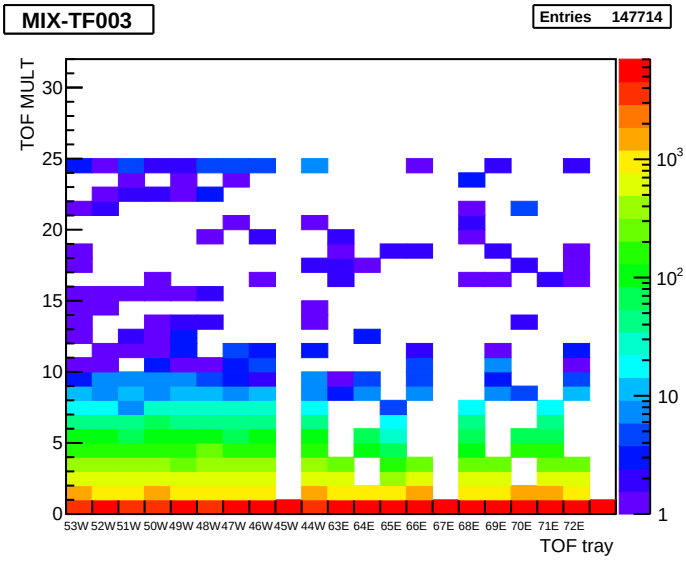

BunchId7Bit (BBC-TAC)
Entries 3113

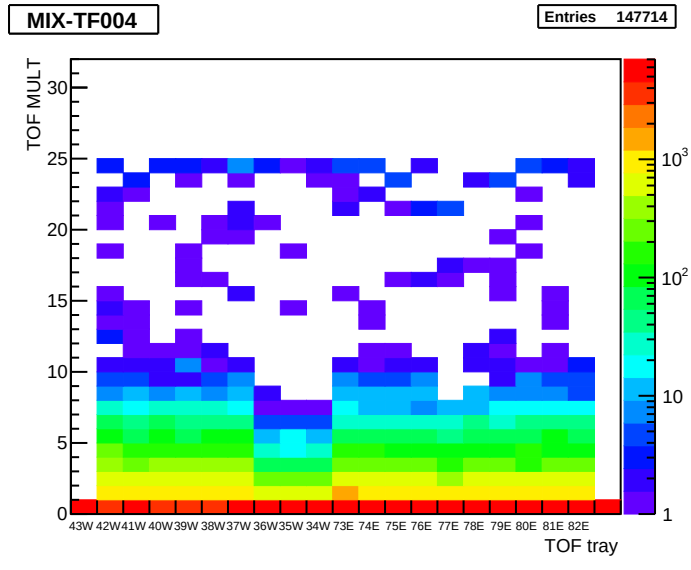

BunchId7Bit (Laser)
Entries 0

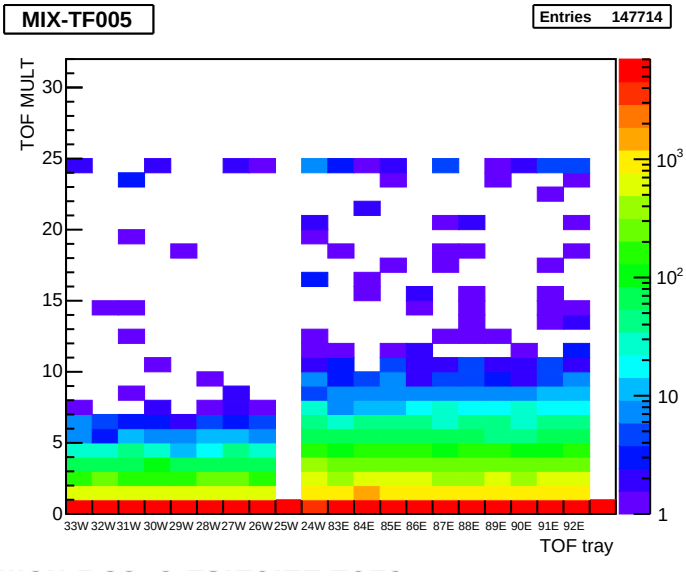

BunchId7Bit (TOFmult window)
Entries 295

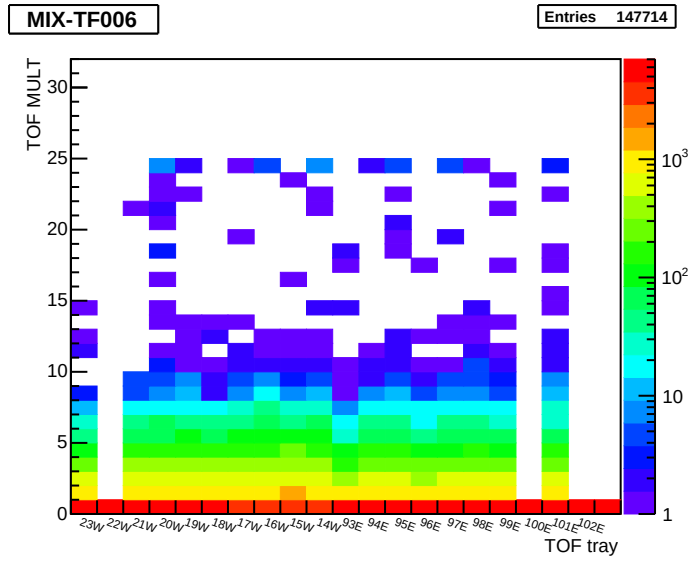

MIX-TF001
Entries 147714
TOF MULT
TOF tray

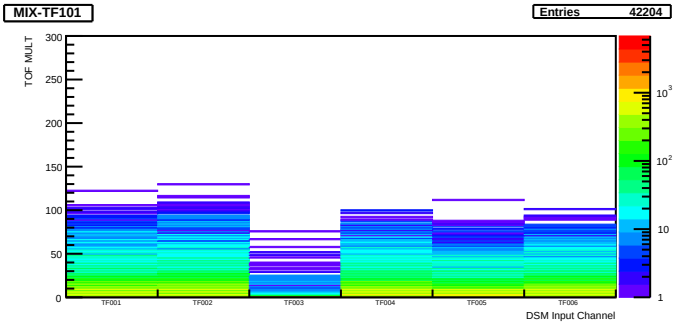

MIX-TF002
Entries 147714
TOF MULT
TOF tray

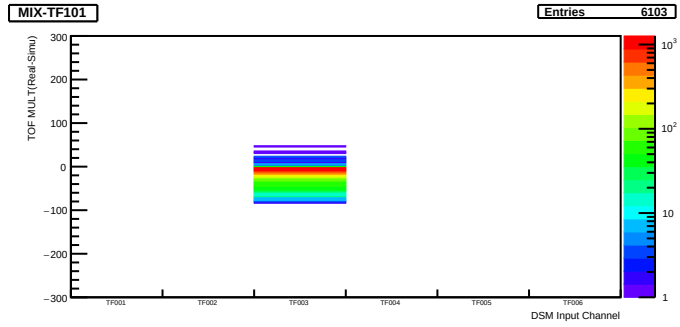

MIX-TF003
Entries 147714
TOF MULT
TOF tray

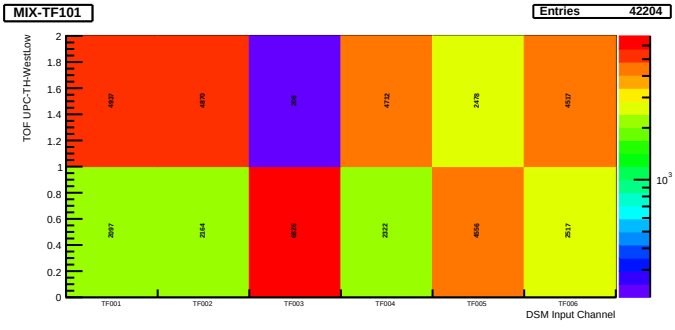

MIX-TF004
Entries 147714
TOF MULT
TOF tray

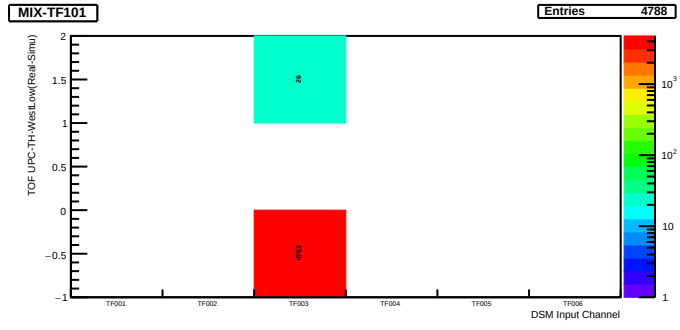

MIX-TF005
Entries 147714
TOF MULT
TOF tray

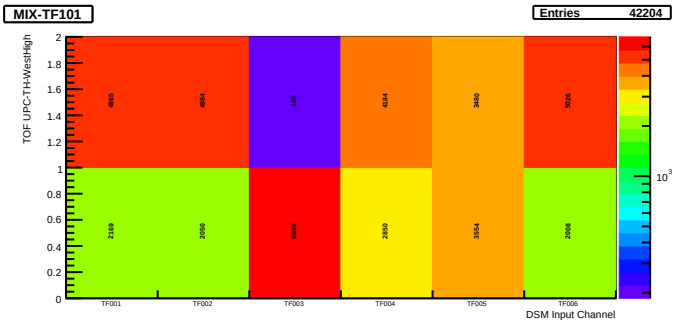

MIX-TF006
Entries 147714
TOF MULT
TOF tray

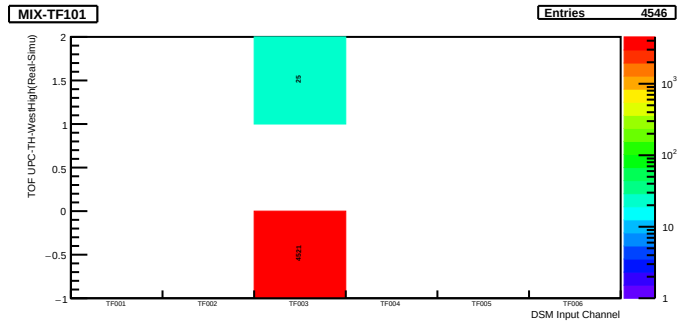

MIX-TF101
Entries 42204
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

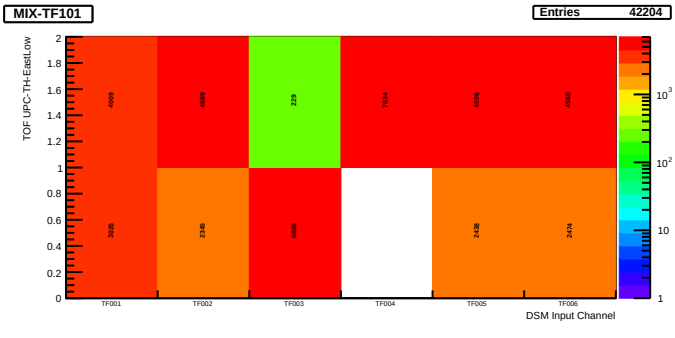

MIX-TF101
Entries 6103
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

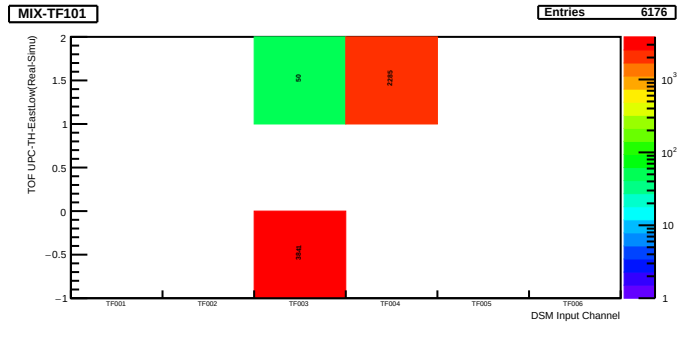

MIX-TF101
Entries 42204
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

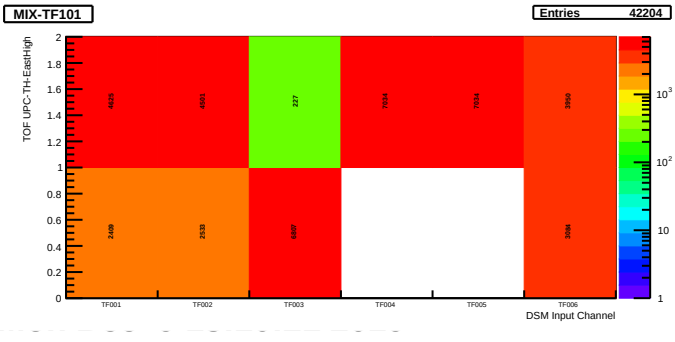

MIX-TF101
Entries 4788
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

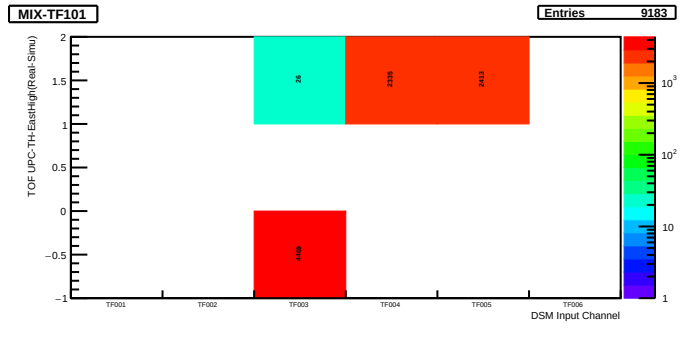

MIX-TF101
Entries 42204
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

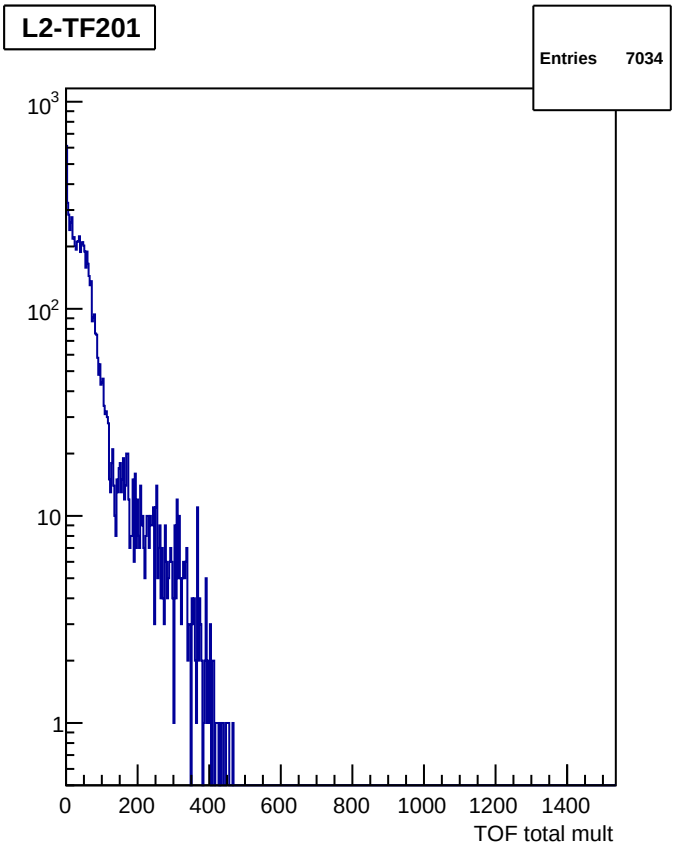

MIX-TF101
Entries 4546
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

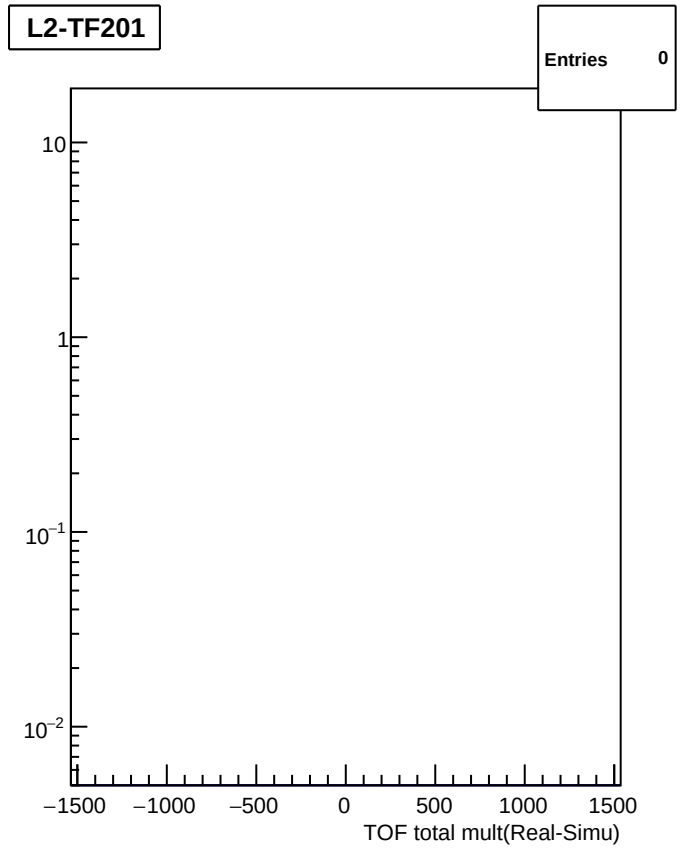

MIX-TF101
Entries 42204
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

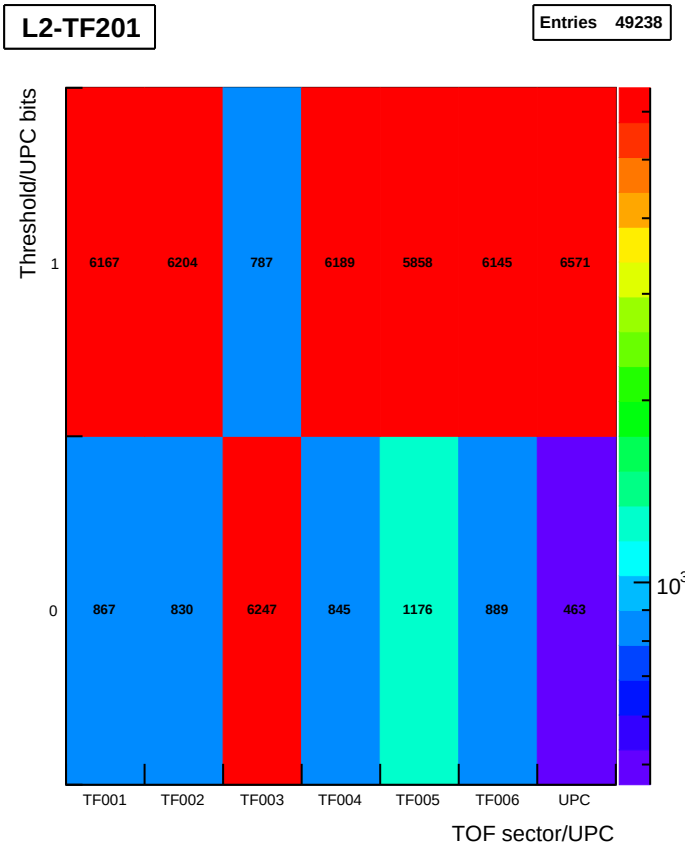

MIX-TF101
Entries 6176
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

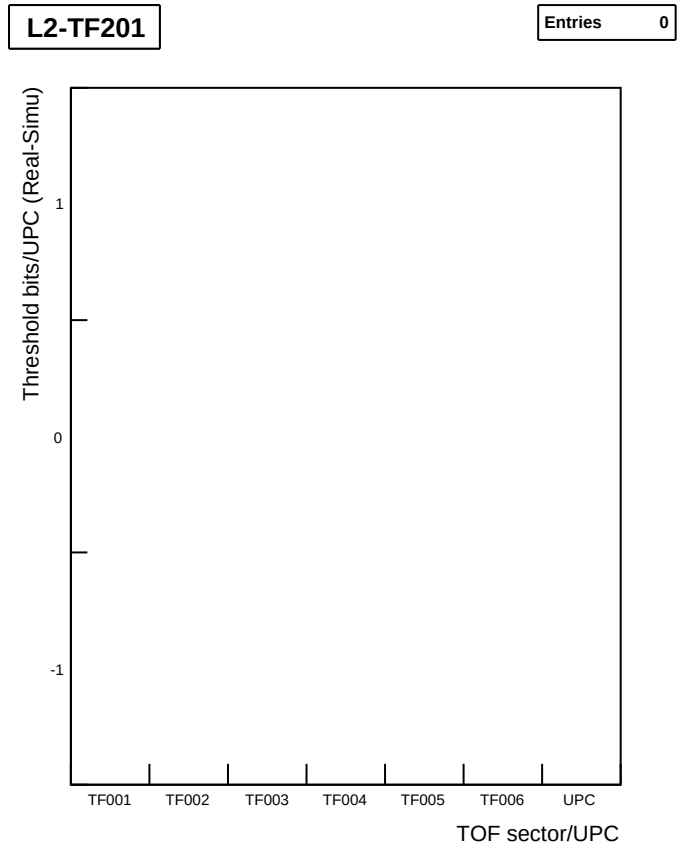

MIX-TF101
Entries 42204
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

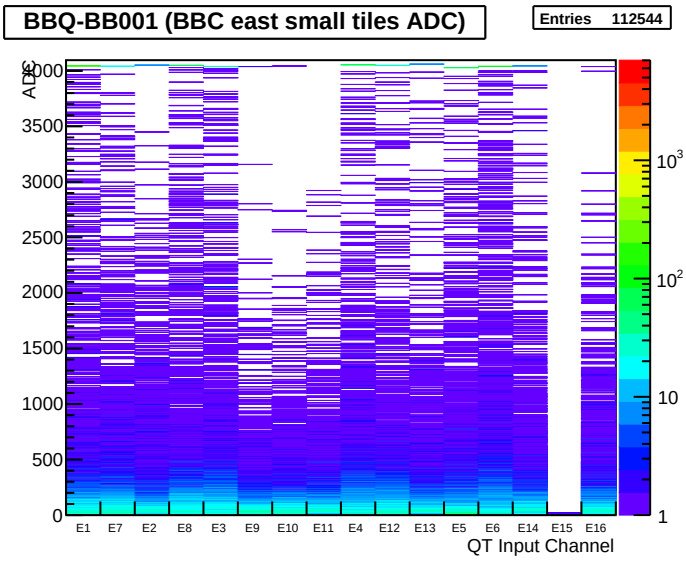

MIX-TF101
Entries 9183
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

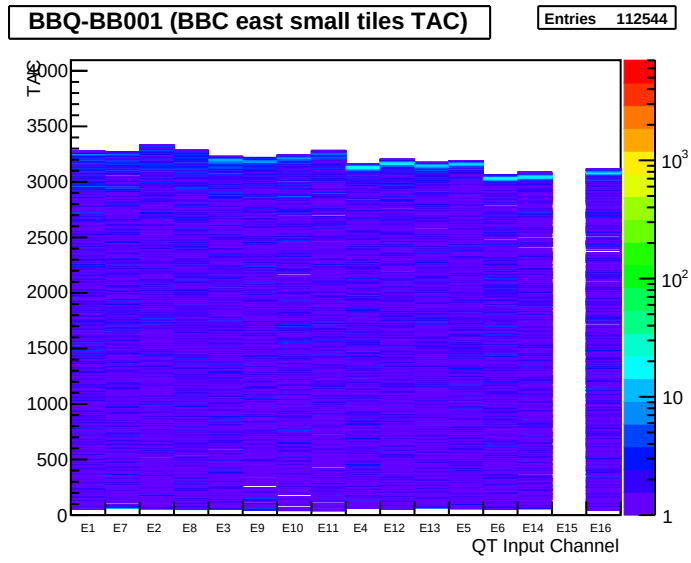

L2-TF201
Entries 7034
TOF total mult

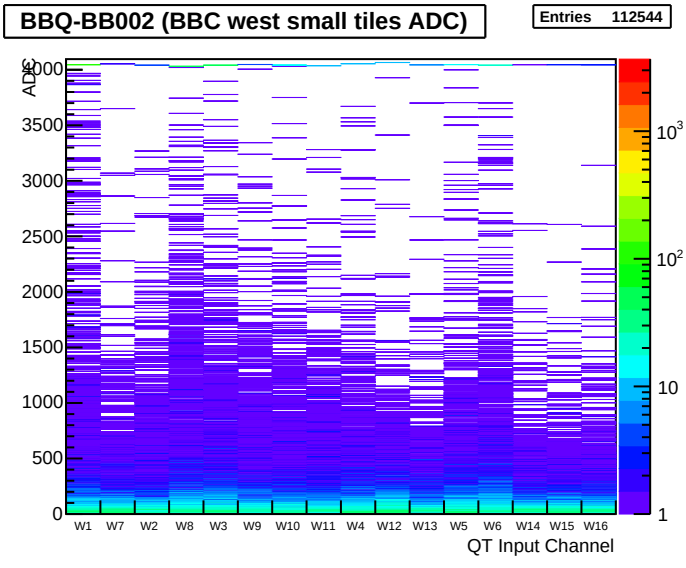

L2-TF201
Entries 0
TOF total mult(Real-Simu)

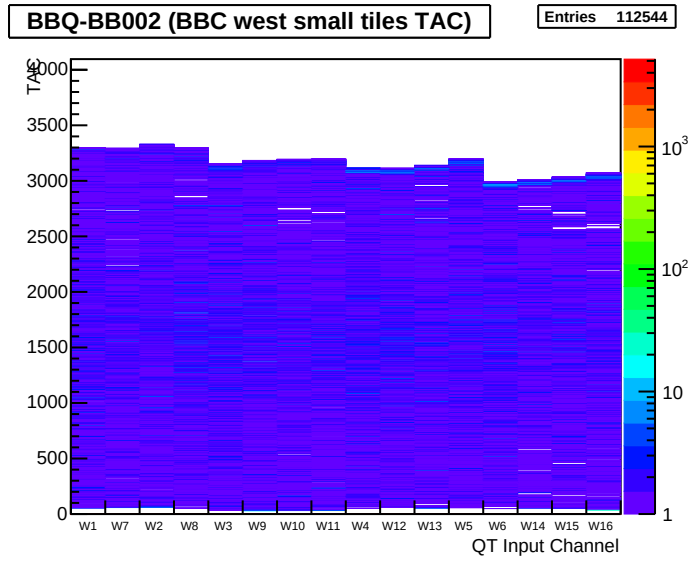

L2-TF201
Entries 49238
Threshold/UPC bits
6167
6204
787
6189
5858
6145
6571
867
830
6247
845
1176
889
463
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

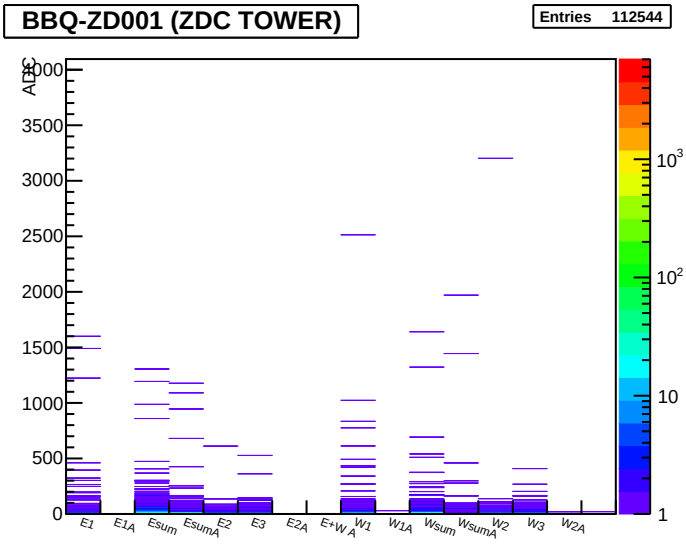

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

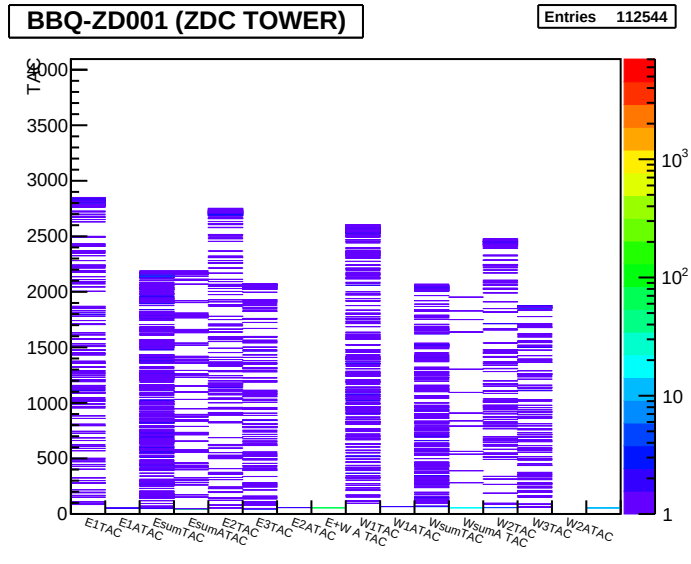

BBQ-BB001 (BBC east small tiles ADC)
Entries 112544
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

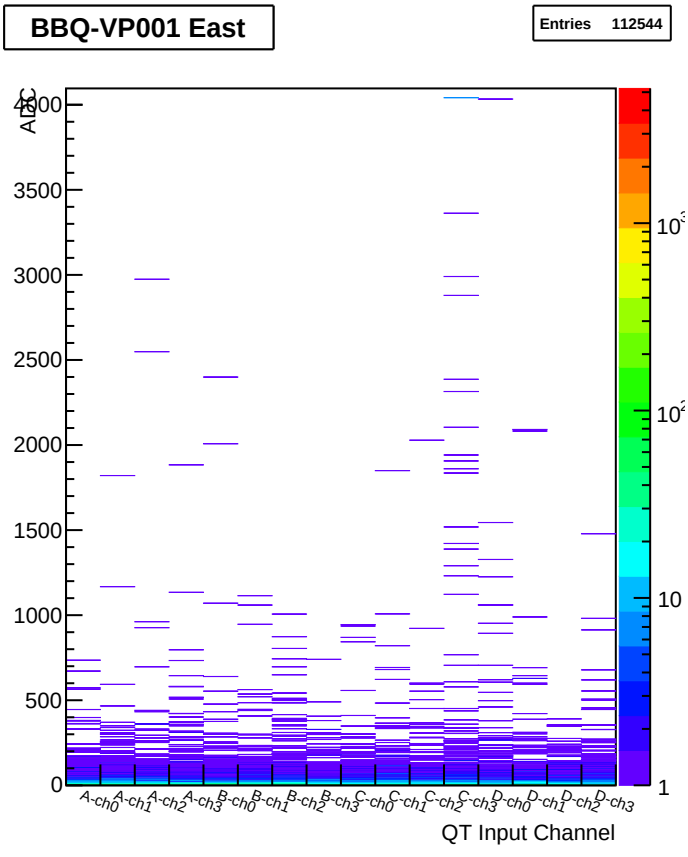

BBQ-BB001 (BBC east small tiles TAC)
Entries 112544
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

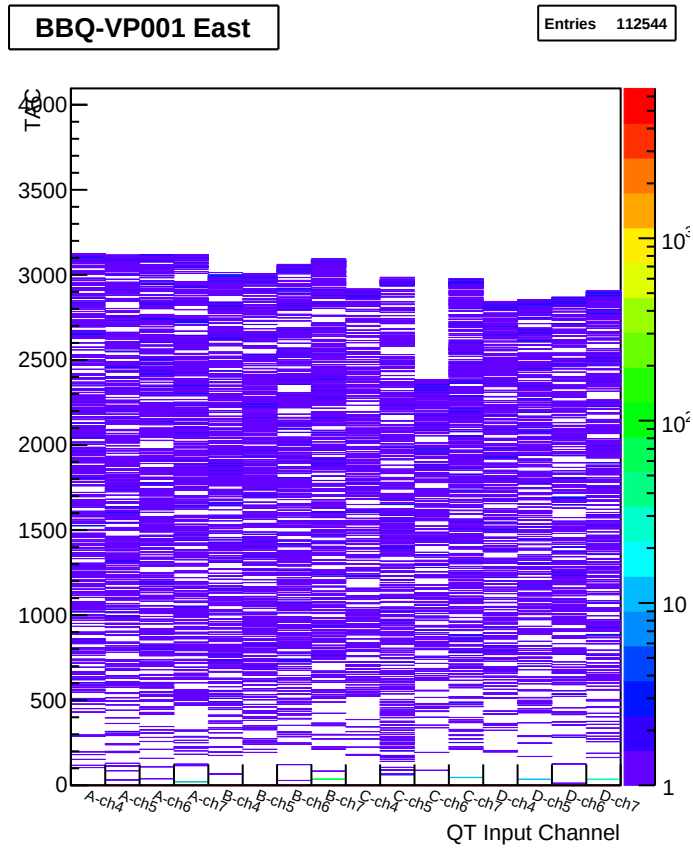

BBQ-BB002 (BBC west small tiles ADC)
Entries 112544
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

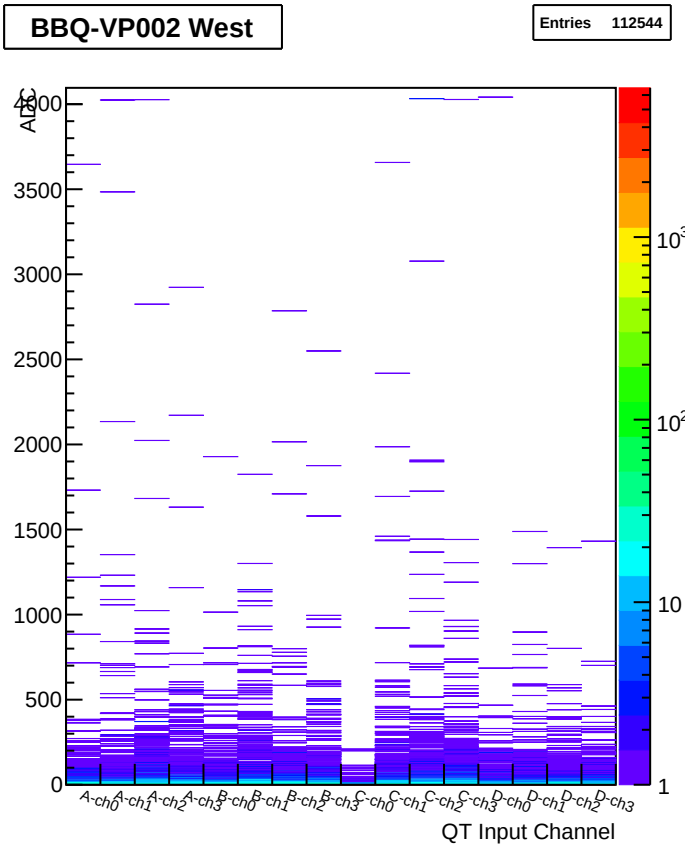

BBQ-BB002 (BBC west small tiles TAC)
Entries 112544
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

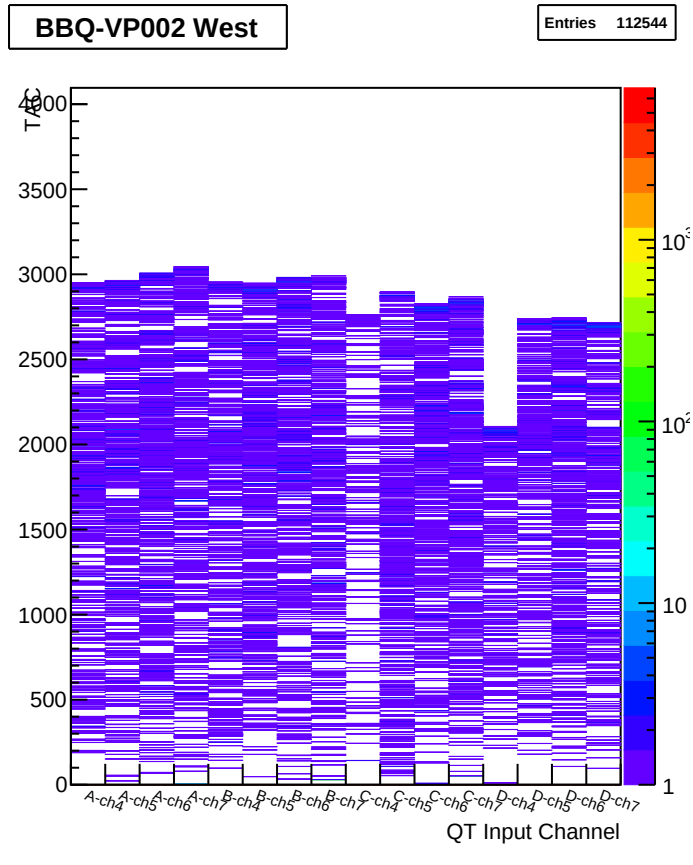

BBQ-ZD001 (ZDC TOWER)
Entries 112544
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

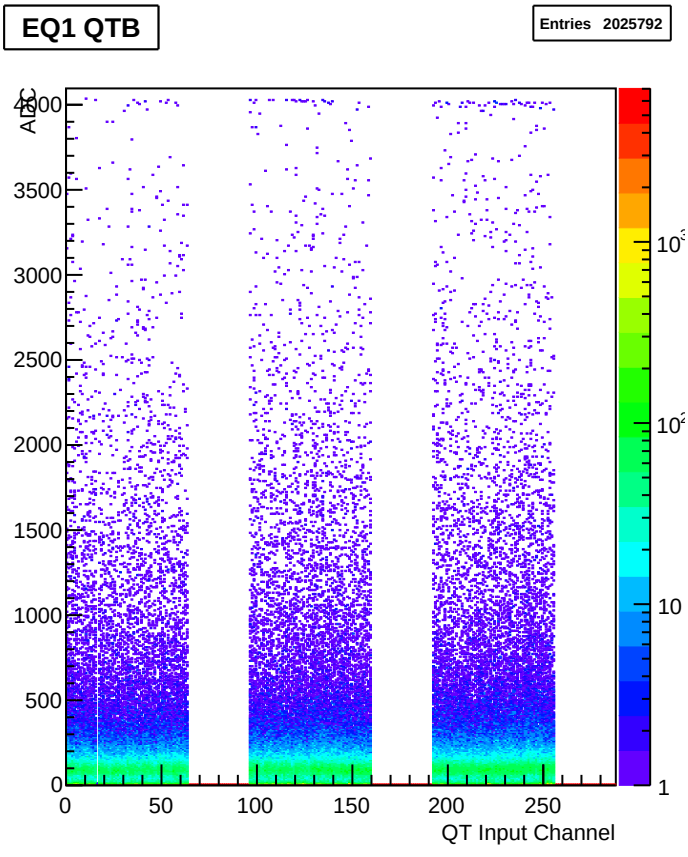

BBQ-ZD001 (ZDC TOWER)
Entries 112544
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

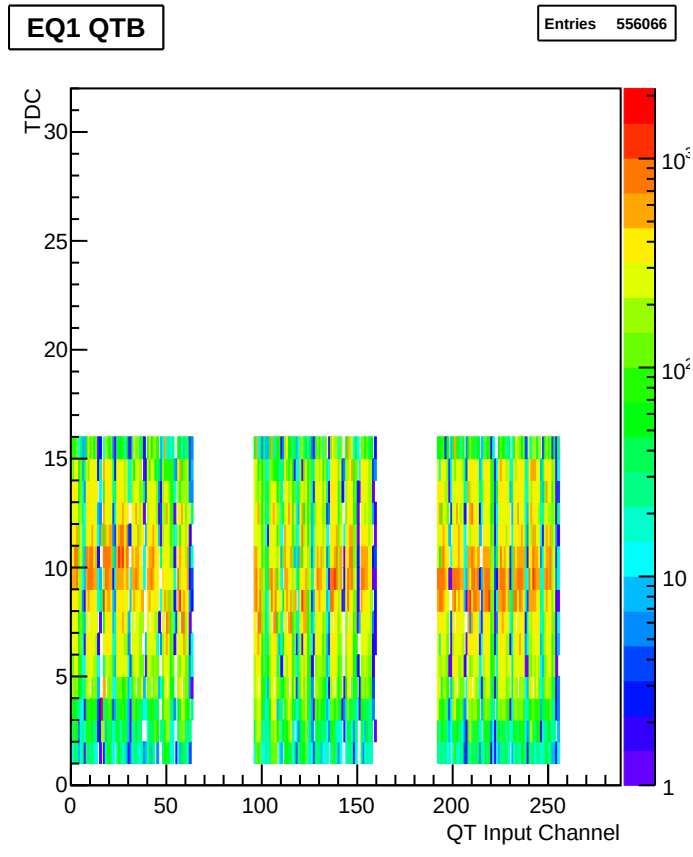

BBQ-VP001 East
Entries 112544
ADC
QT Input Channel

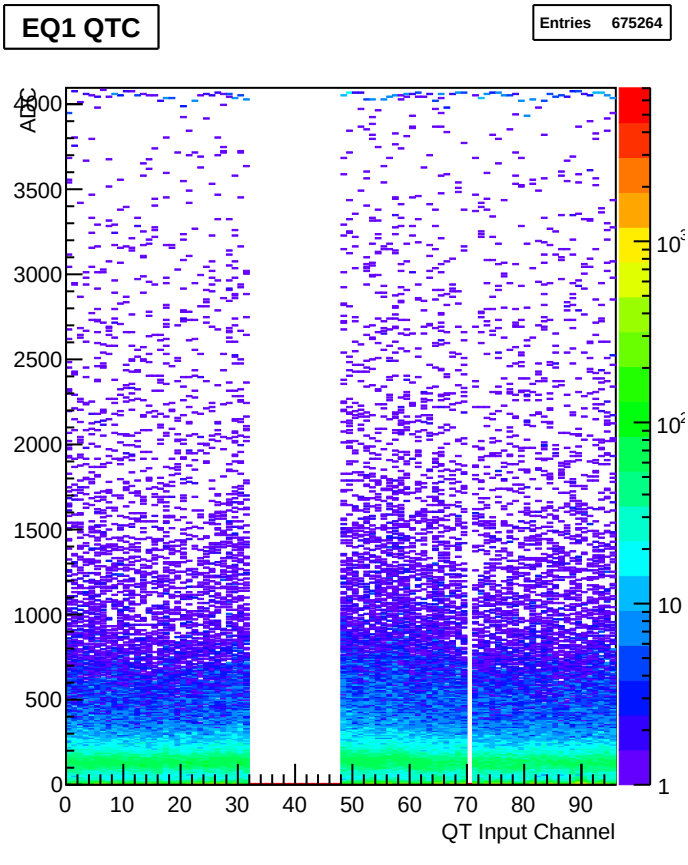

BBQ-VP001 East
Entries 112544
TAC
QT Input Channel

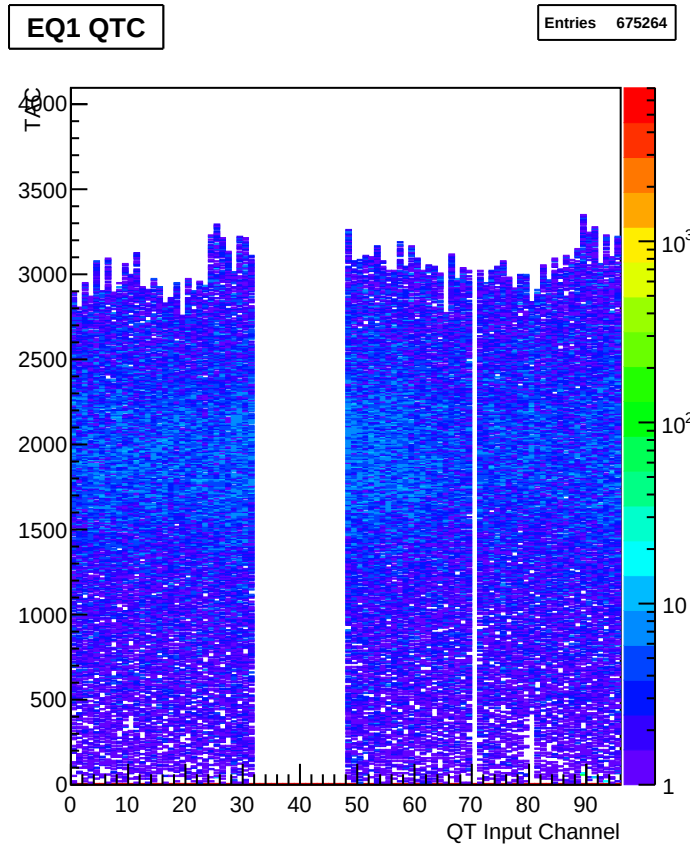

BBQ-VP002 West
Entries 112544
ADC
QT Input Channel

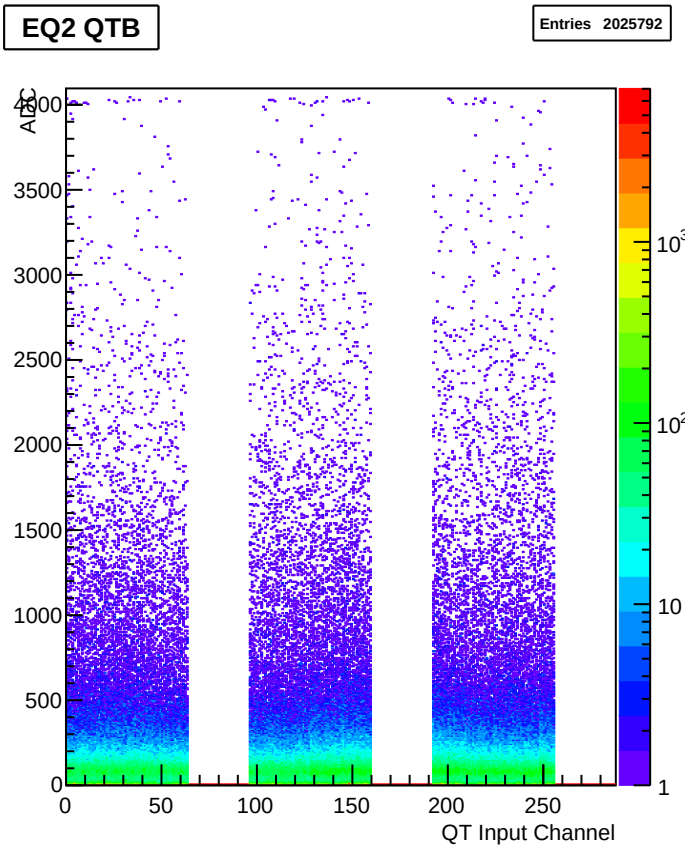

BBQ-VP002 West
Entries 112544
TAC
QT Input Channel

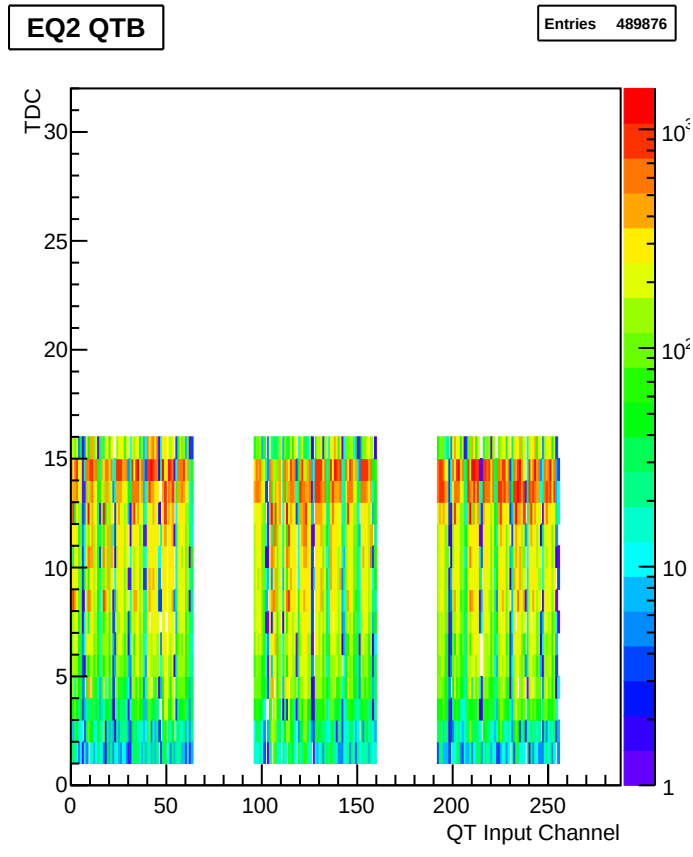

EQ1 QTB
Entries 2025792
ADC
QT Input Channel

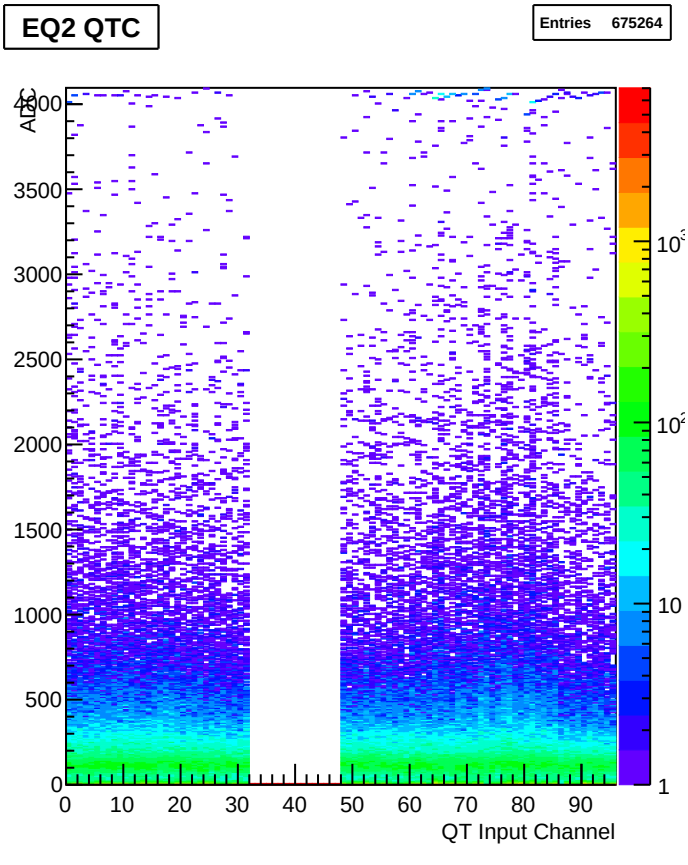

EQ1 QTB
Entries 556066
TDC
QT Input Channel

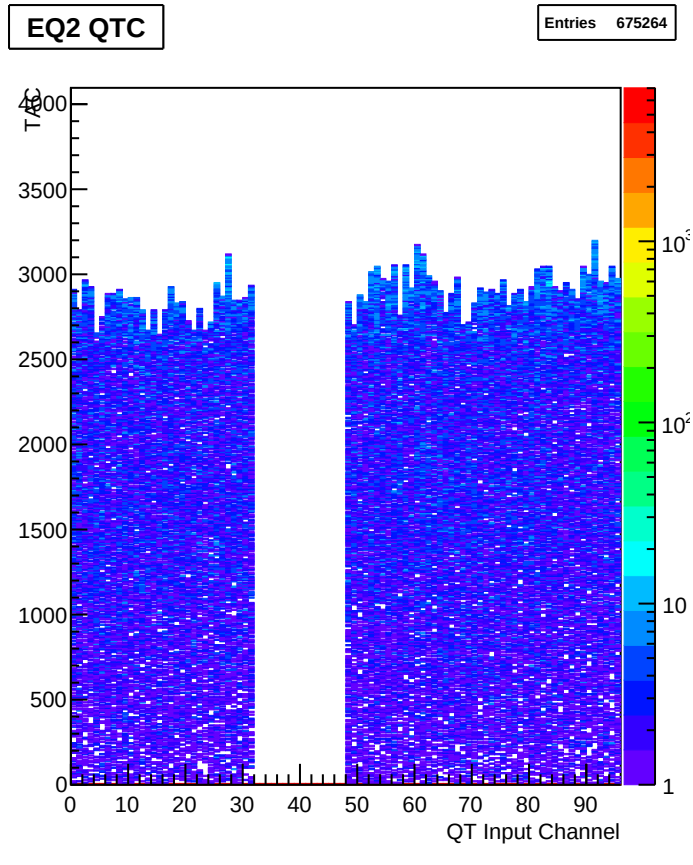

EQ1 QTC
Entries 675264
ADC
QT Input Channel

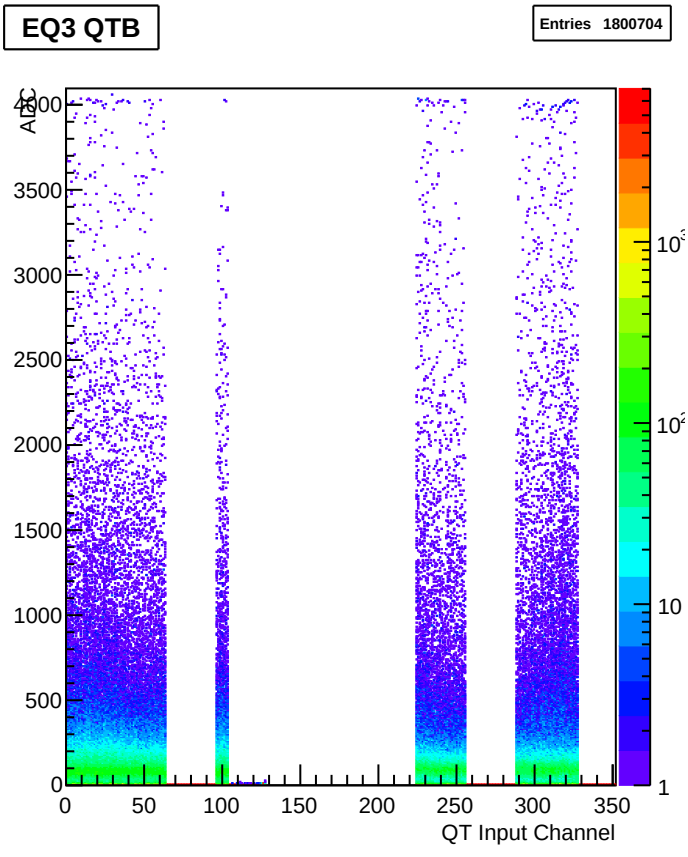

EQ1 QTC
Entries 675264
TADC
QT Input Channel

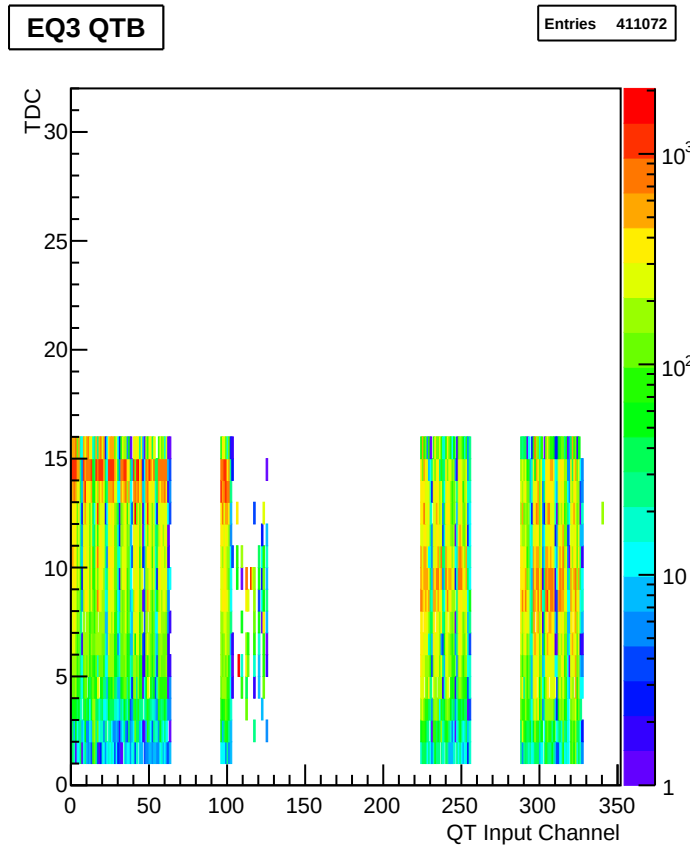

EQ2 QTB
Entries 2025792
ADC
QT Input Channel

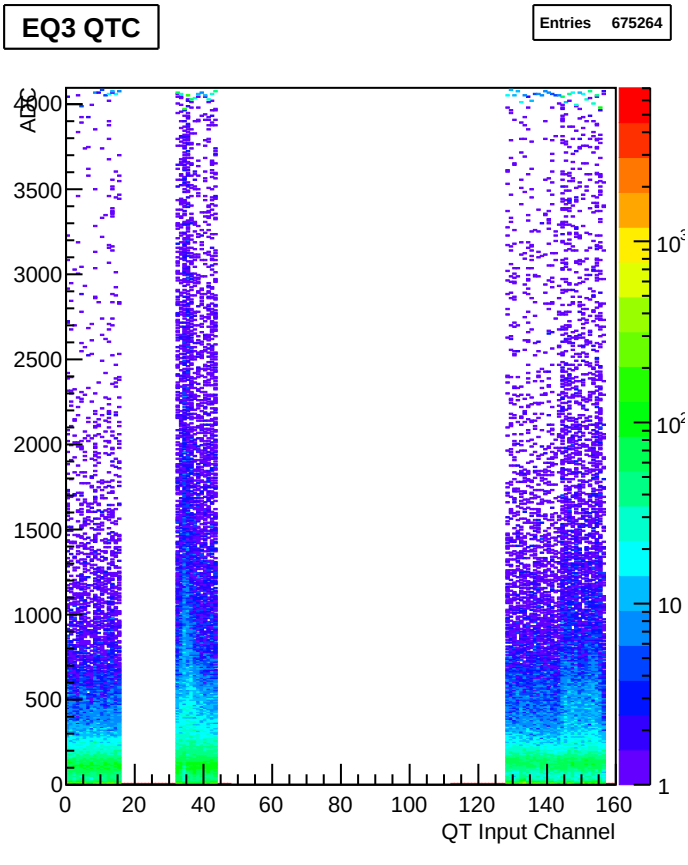

EQ2 QTB
Entries 489876
TDC
QT Input Channel

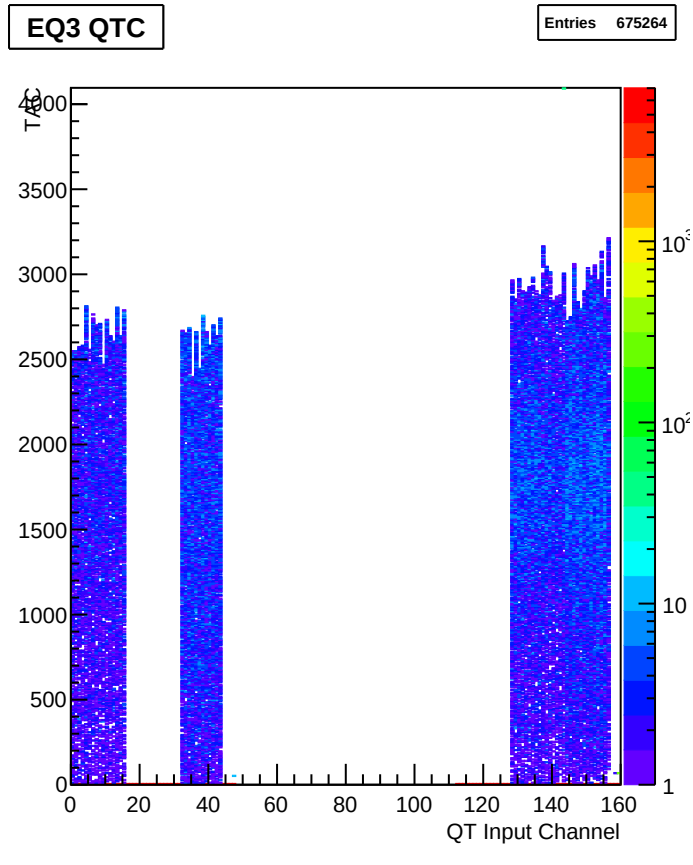

EQ2 QTC
Entries 675264
ADC
QT Input Channel

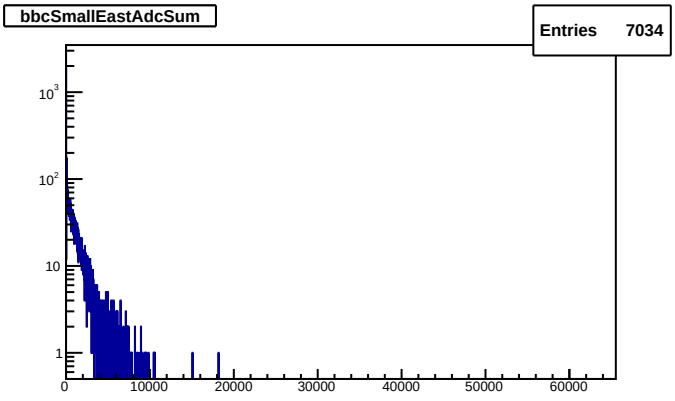

EQ2 QTC
Entries 675264
TADC
QT Input Channel

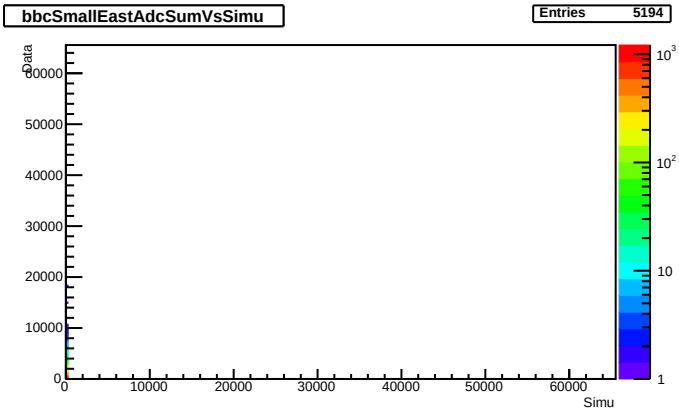

EQ3 QTB
Entries 1800704
ADC
QT Input Channel

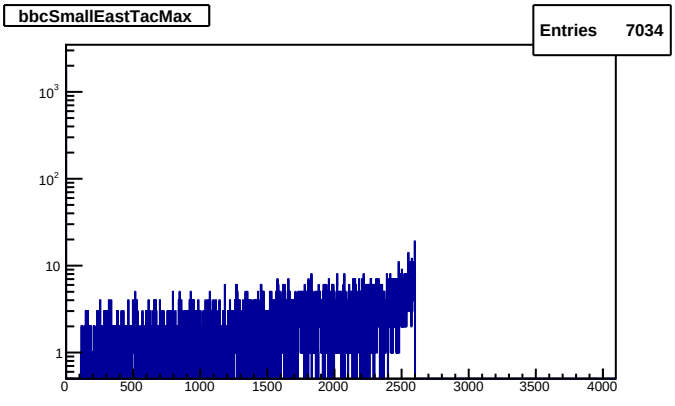

EQ3 QTB
Entries 411072
TDC
QT Input Channel

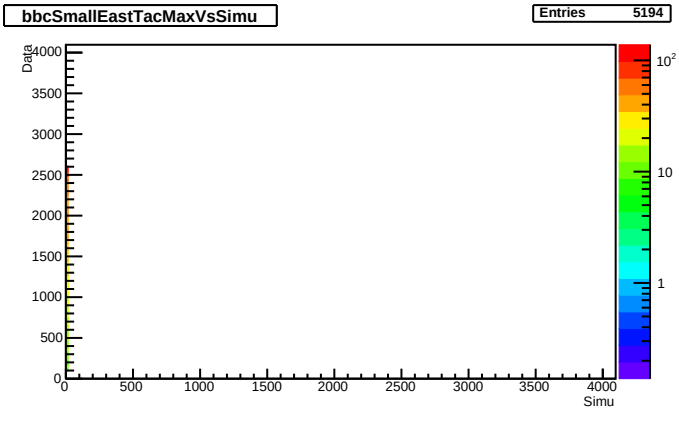

EQ3 QTC
Entries 675264
ADC
QT Input Channel

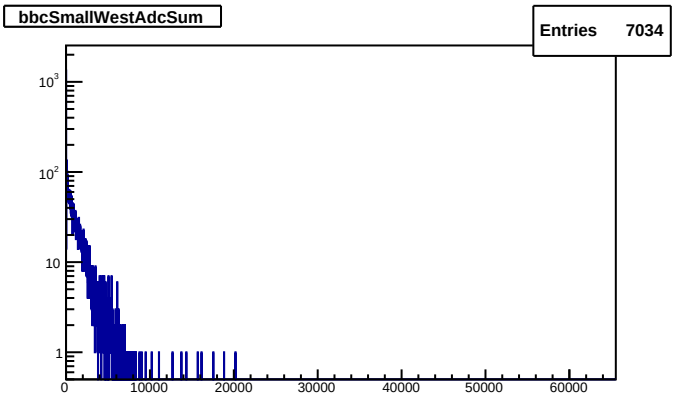

EQ3 QTC
Entries 675264
TADC
QT Input Channel

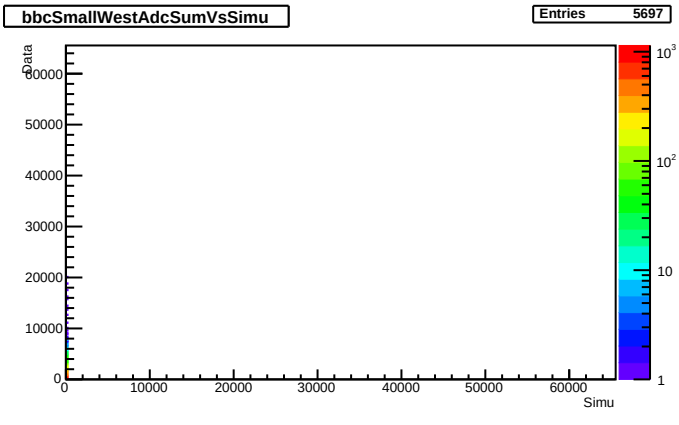

bbcSmallEastAdcSum
Entries 7034

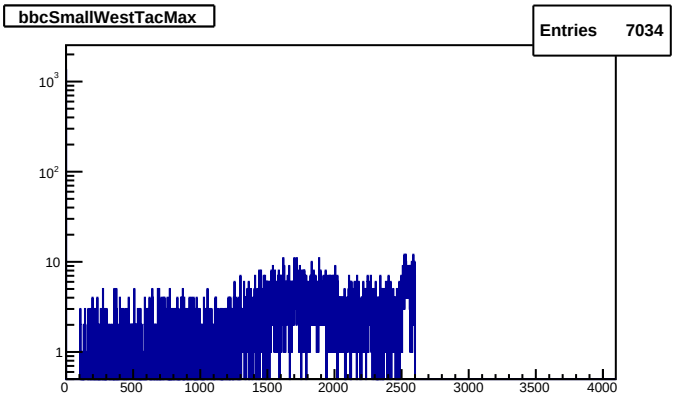

bbcSmallEastAdcSumVsSimu
Entries 5194
Data
Simu

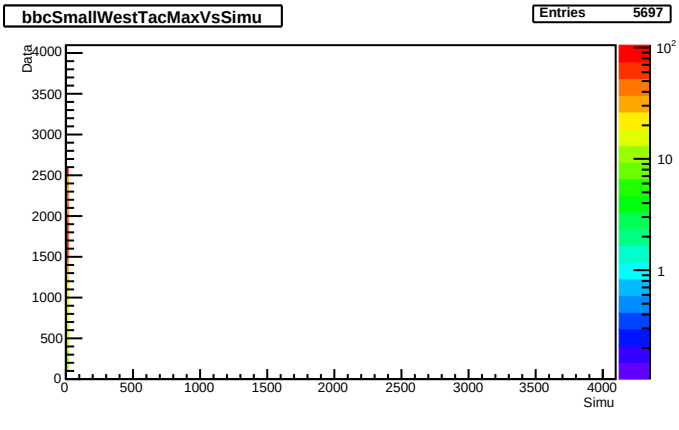

bbcSmallEastTacMax
Entries 7034

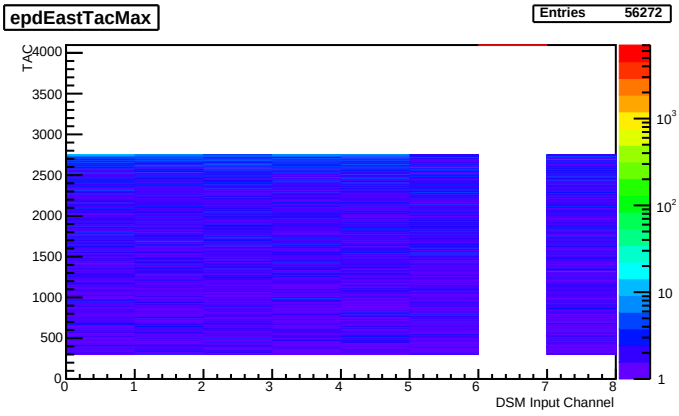

bbcSmallEastTacMaxVsSimu
Entries 5194
Data
Simu

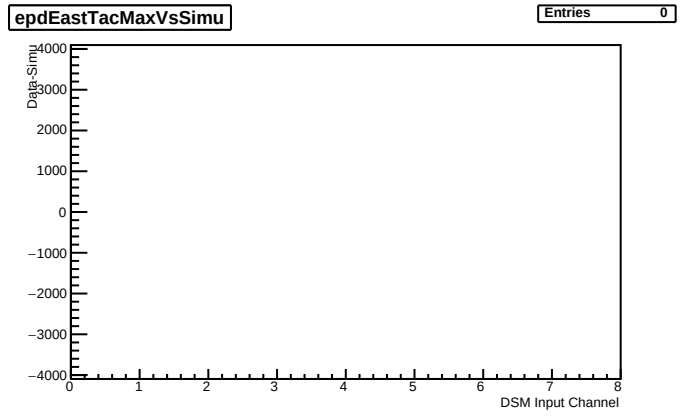

bbcSmallWestAdcSum
Entries 7034

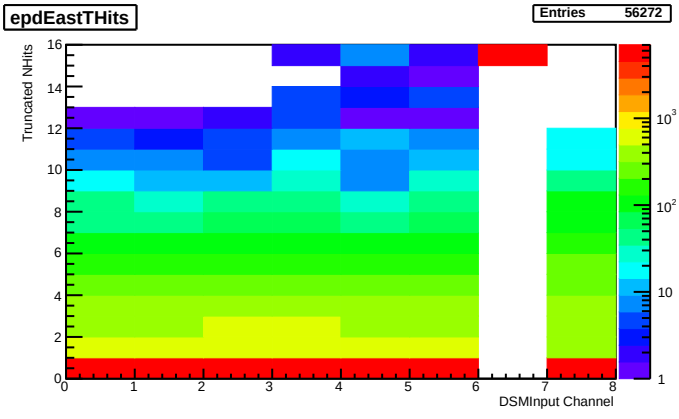

bbcSmallWestAdcSumVsSimu
Entries 5697
Data
Simu

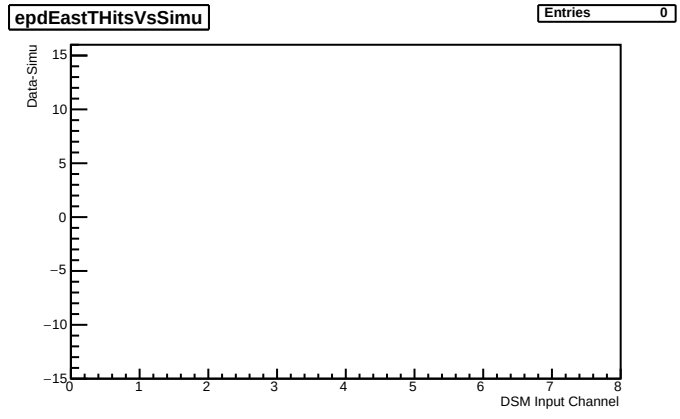

bbcSmallWestTacMax
Entries 7034

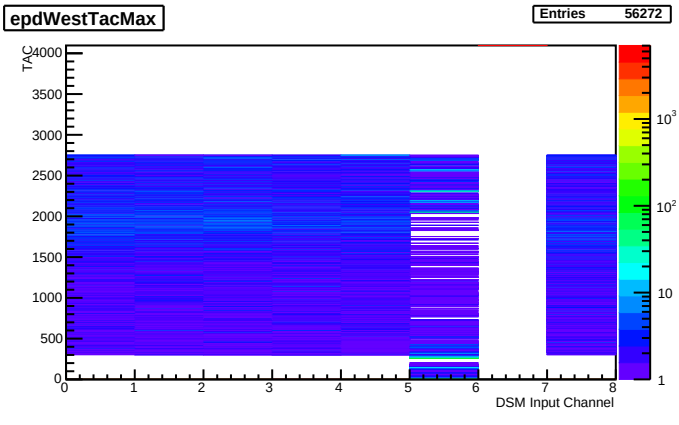

bbcSmallWestTacMaxVsSimu
Entries 5697
Data
Simu

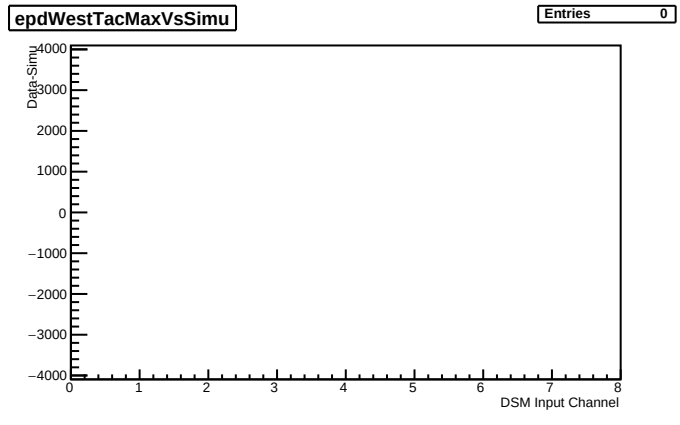

epdEastTacMax
Entries 56272
TAC
DSM Input Channel

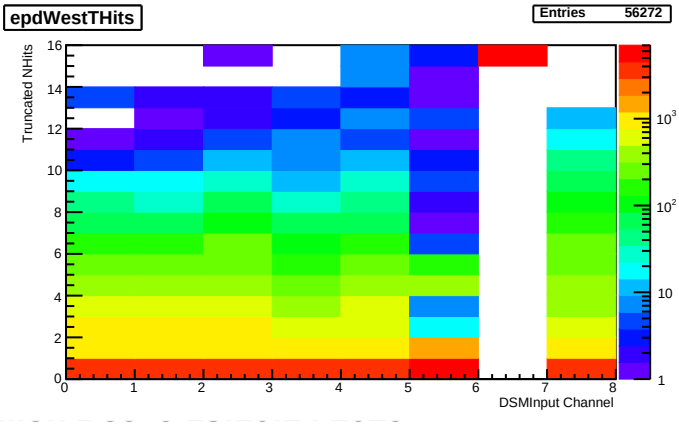

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

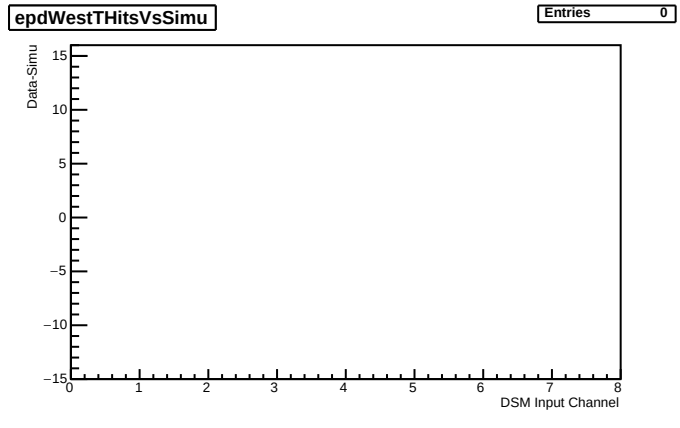

epdEastTHits
Entries 56272
Truncated NHits
DSMInput Channel

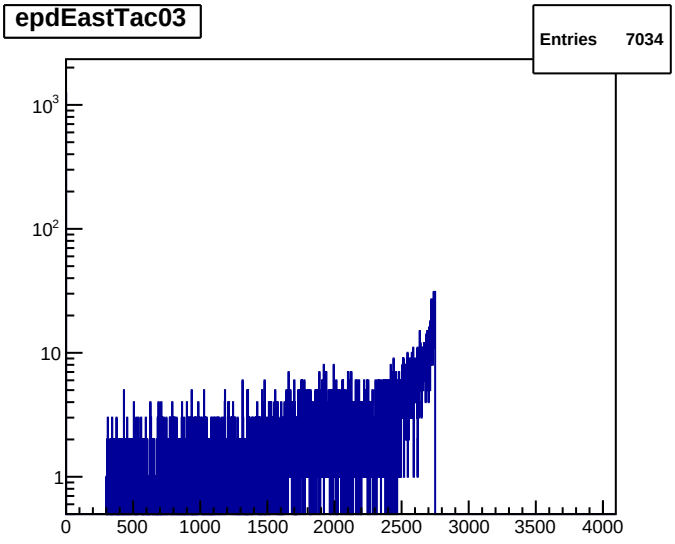

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

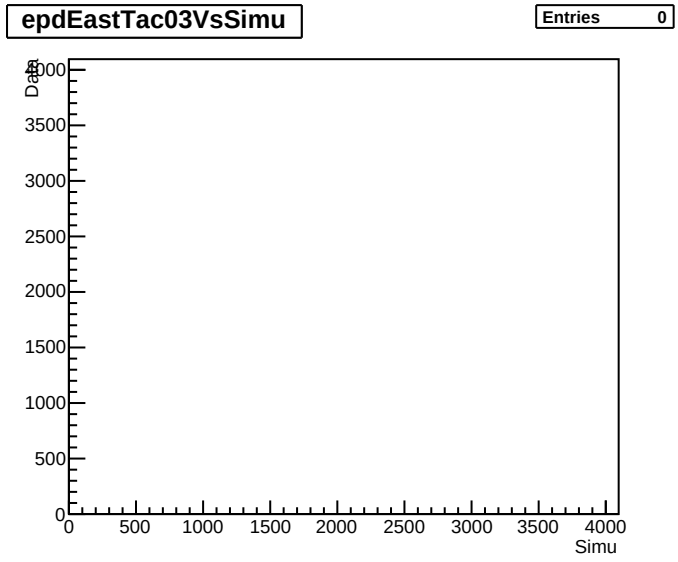

epdWestTacMax
Entries 56272
TAC
DSM Input Channel

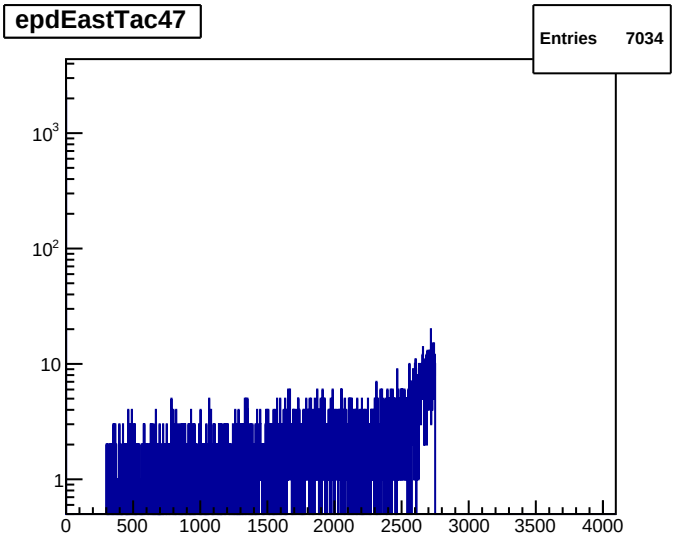

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

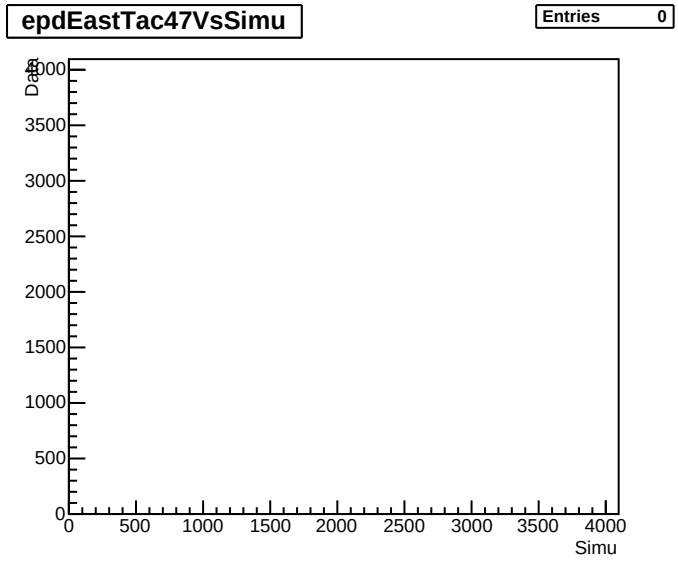

epdWestTHits
Entries 56272
Truncated NHits
DSMInput Channel

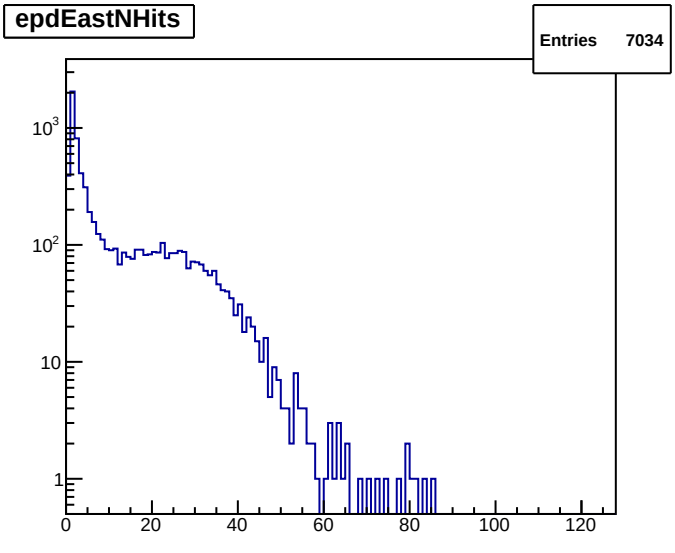

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

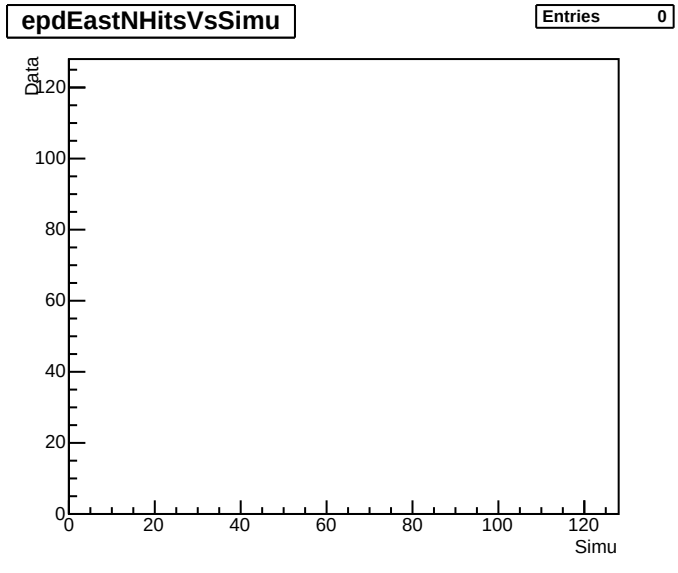

epdEastTac03
Entries 7034
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

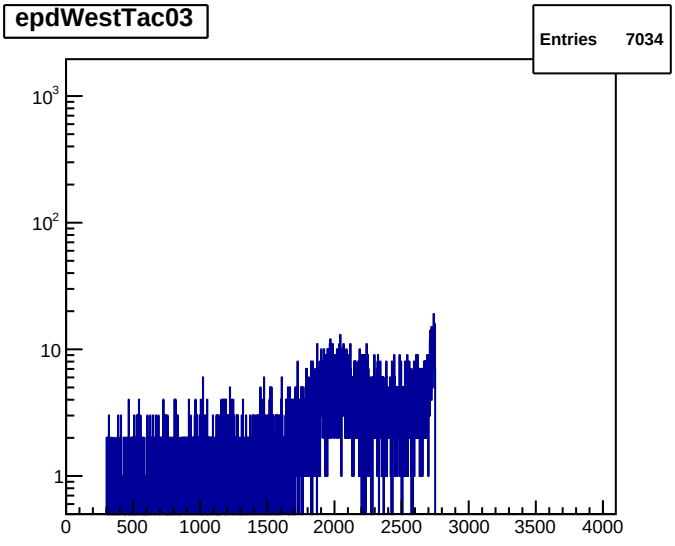

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

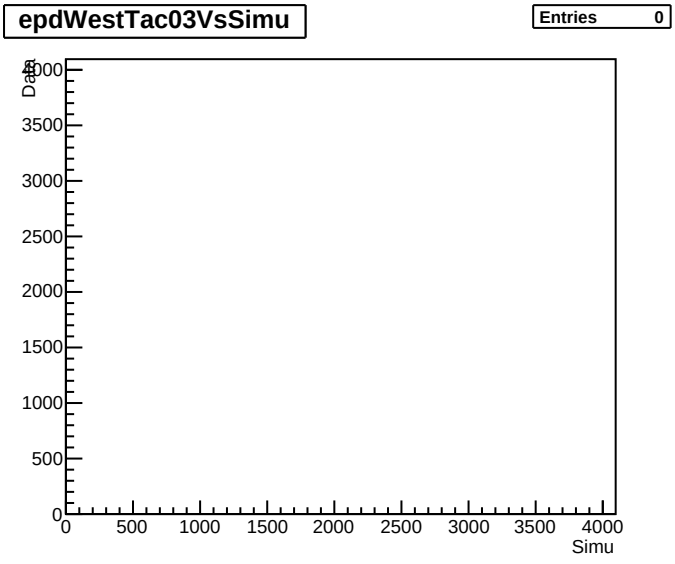

epdEastTac47
Entries 7034
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

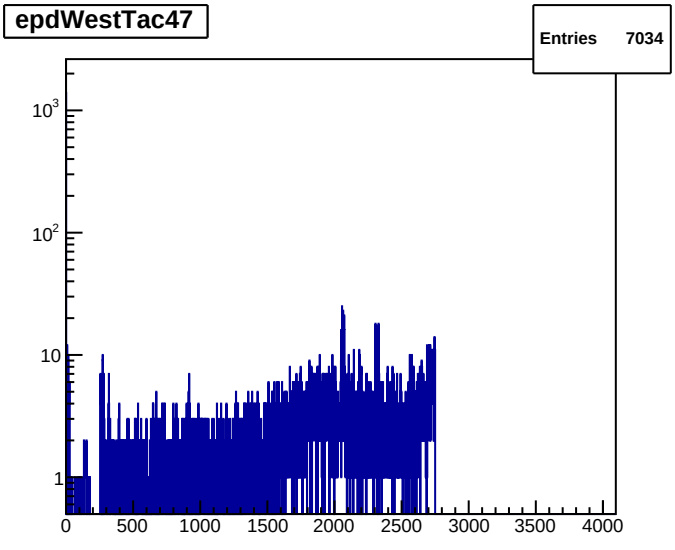

epdEastTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

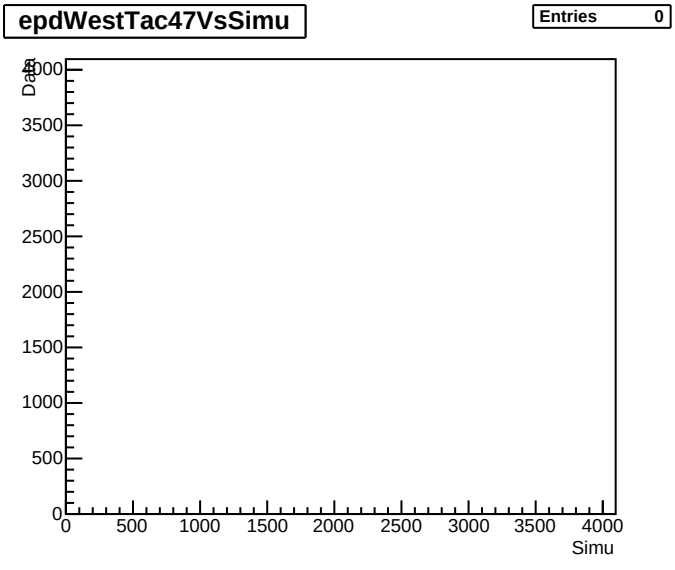

epdEastNHits
Entries 7034
10^3
10^2
10
1
0 20 40 60 80 100 120

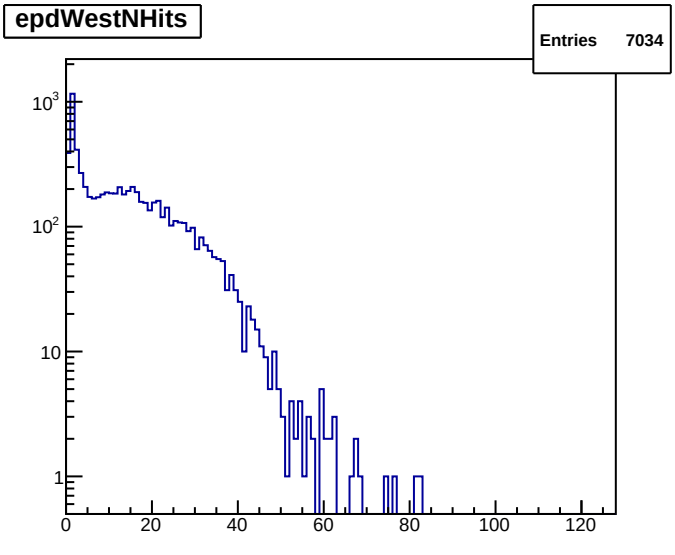

epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

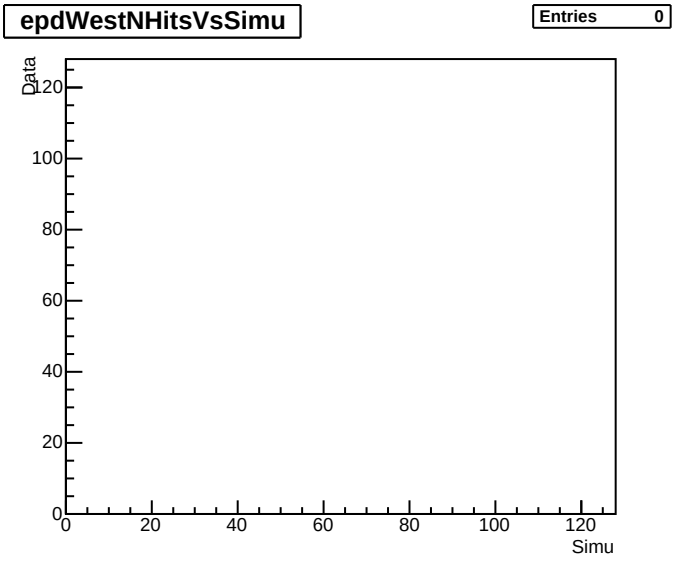

epdWestTac03
Entries 7034

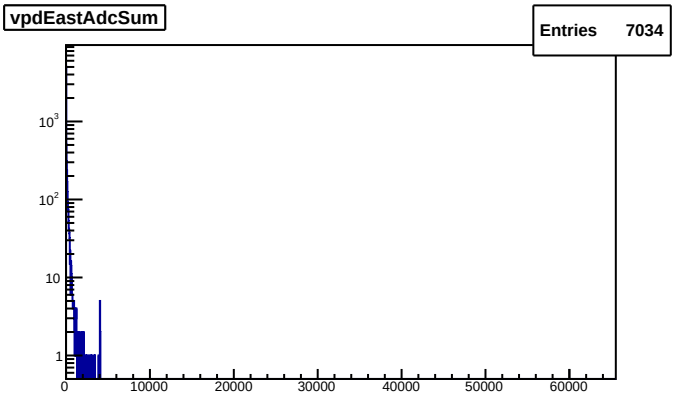

epdWestTac03VsSimu
Entries 0
Data
Simu

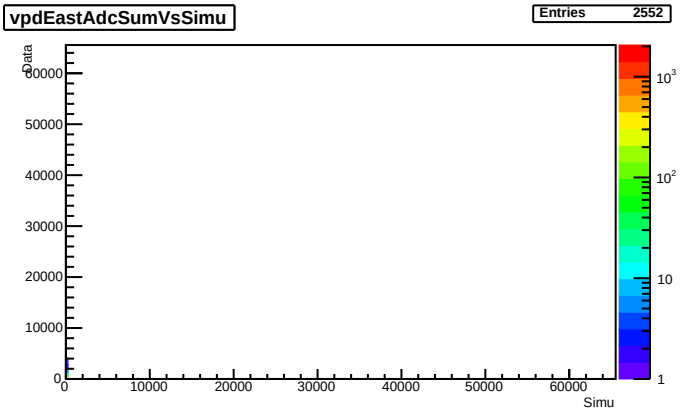

epdWestTac47
Entries 7034

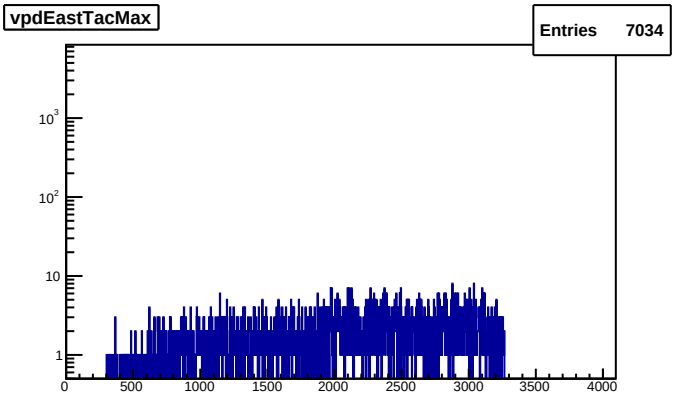

epdWestTac47VsSimu
Entries 0
Data
Simu

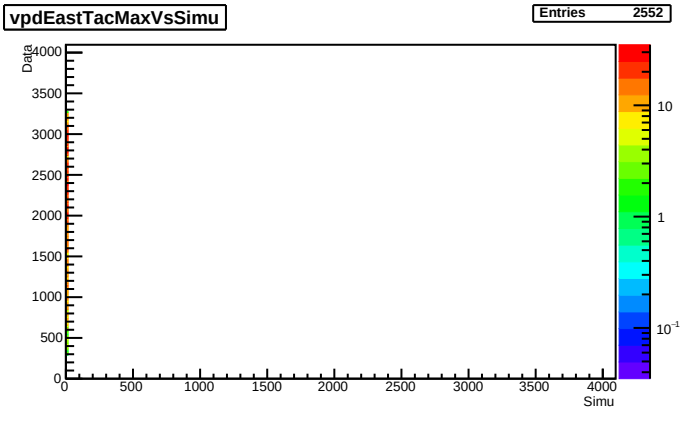

epdWestNHits
Entries 7034

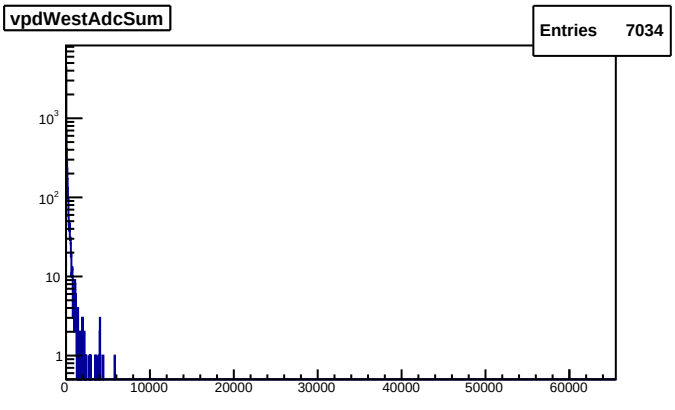

epdWestNHitsVsSimu
Entries 0
Data
Simu

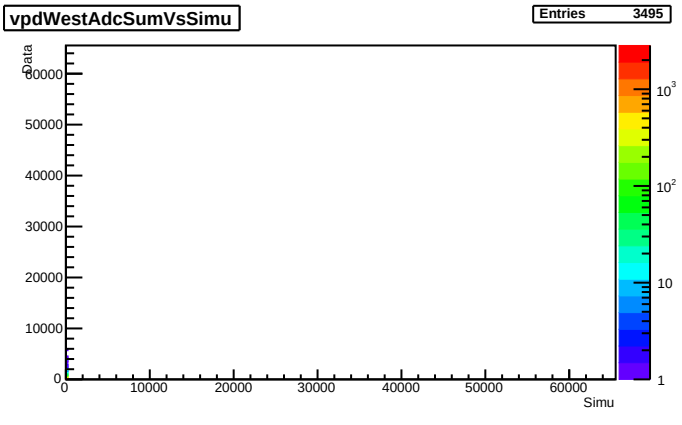

vpdEastAdcSum
Entries 7034

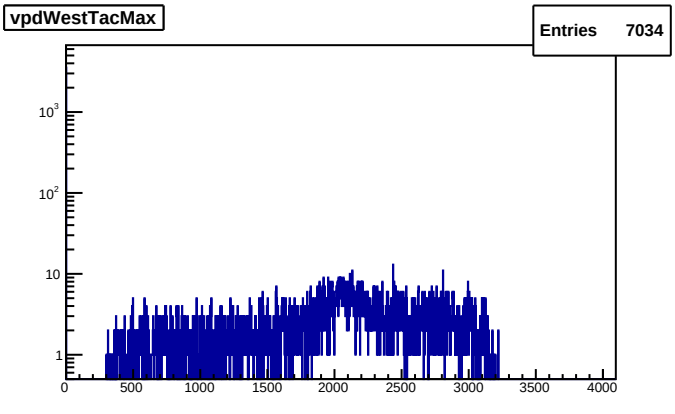

vpdEastAdcSumVsSimu
Entries 2552
Data
Simu

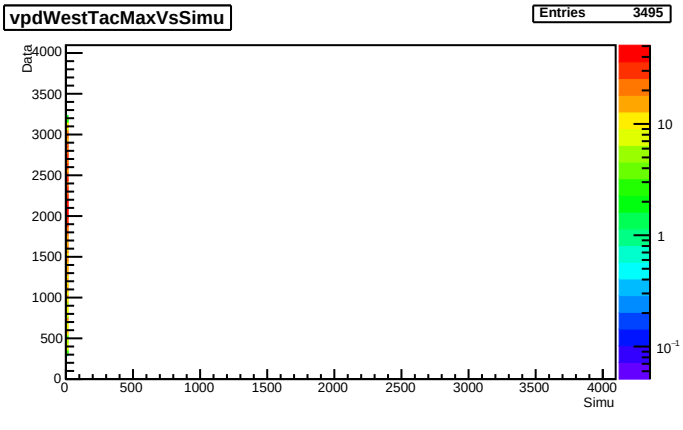

vpdEastTacMax
Entries 7034

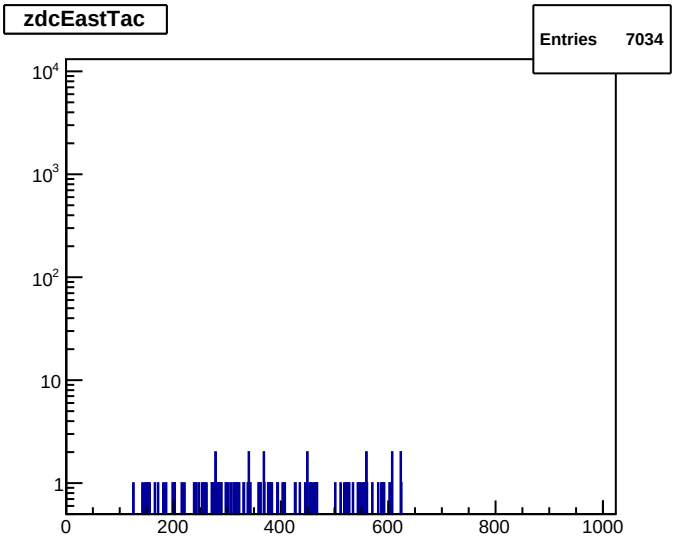

vpdEastTacMaxVsSimu
Entries 2552
Data
Simu

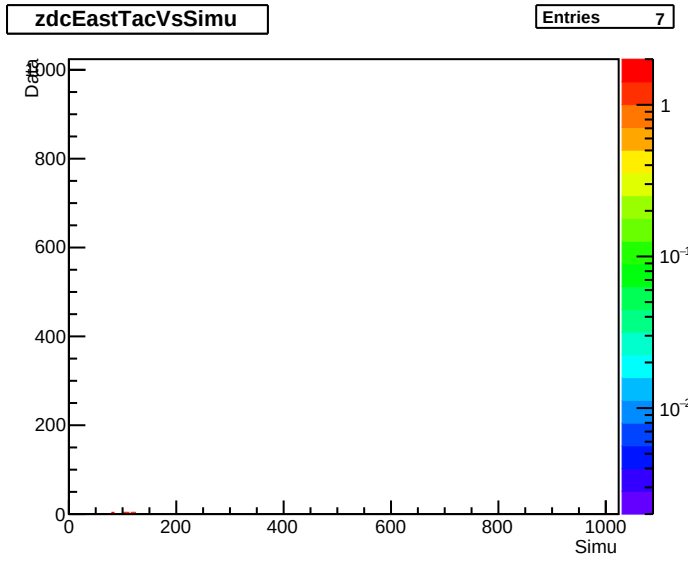

vpdWestAdcSum
Entries 7034

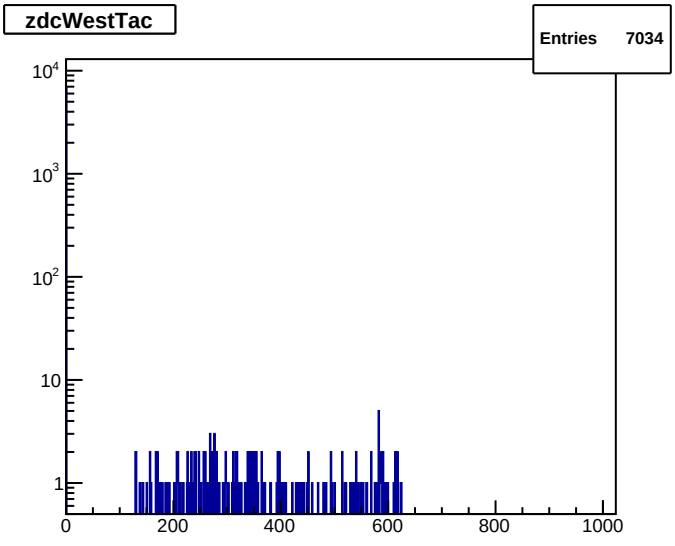

vpdWestAdcSumVsSimu
Entries 3495
Data
Simu

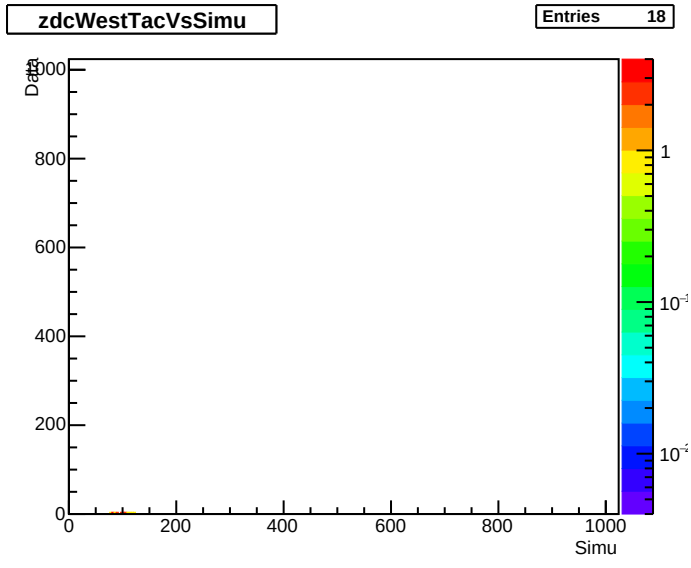

vpdWestTacMax
Entries 7034

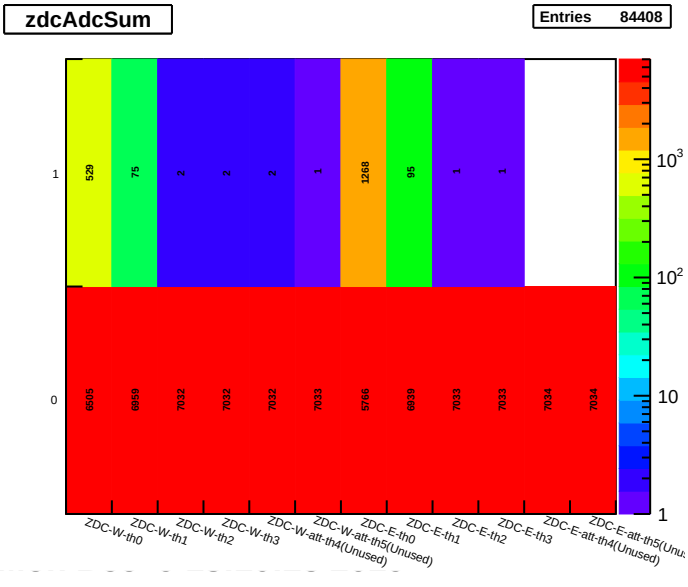

vpdWestTacMaxVsSimu
Entries 3495
Data
Simu

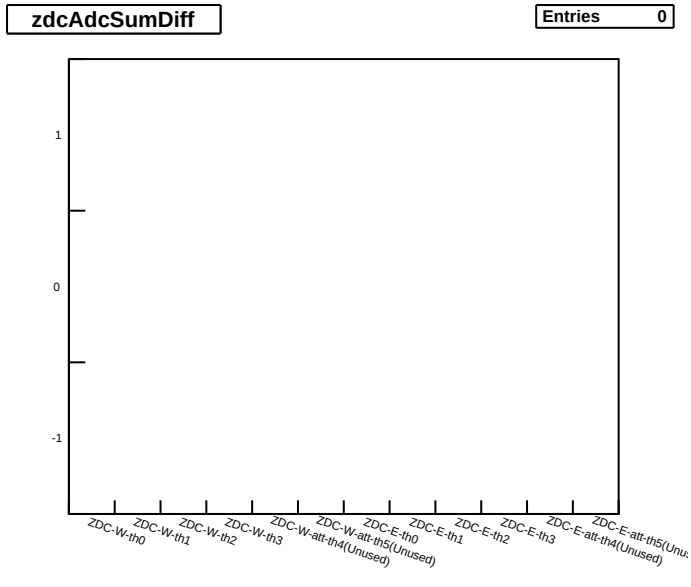

zdcEastTac
Entries 7034

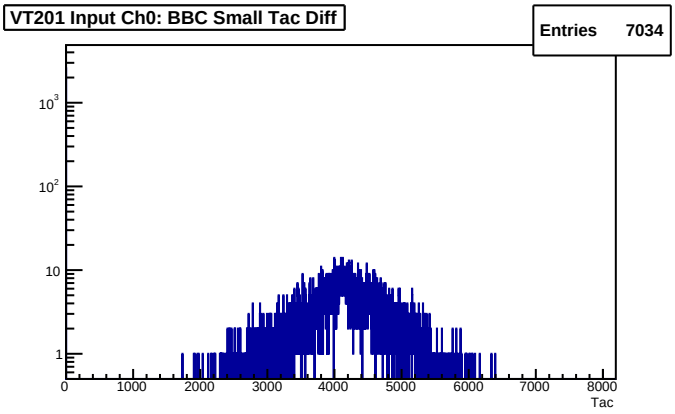

zdcEastTacVsSimu
Entries 7
Data
Simu

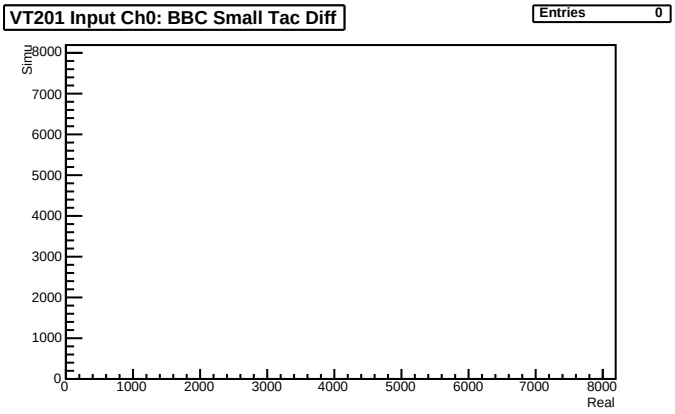

zdcWestTac
Entries 7034

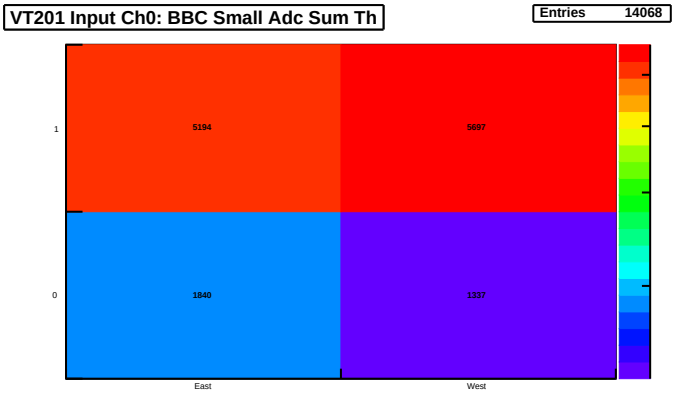

zdcWestTacVsSimu
Entries 18
Data
Simu

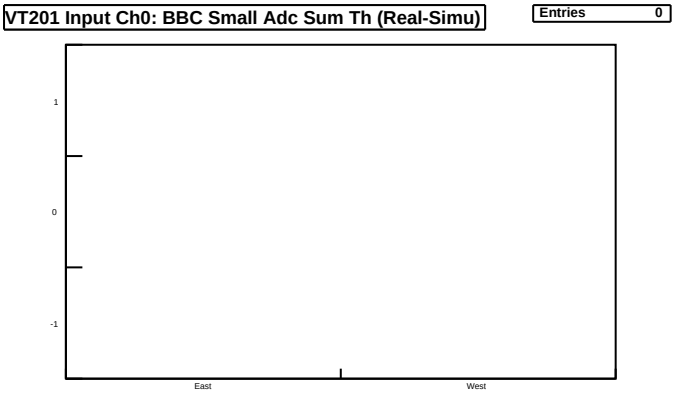

zdcAdcSum
Entries 84408
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

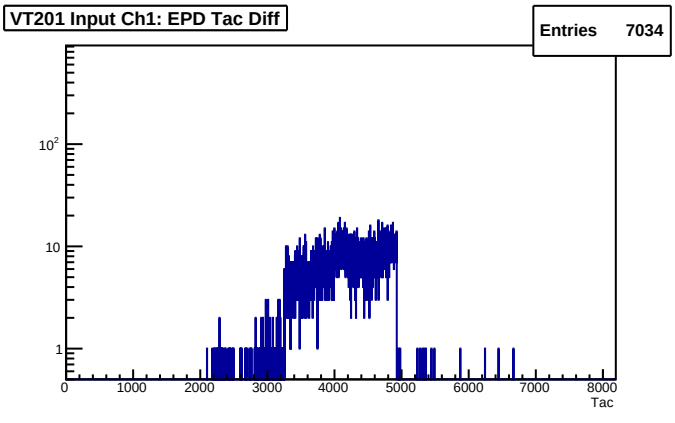

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

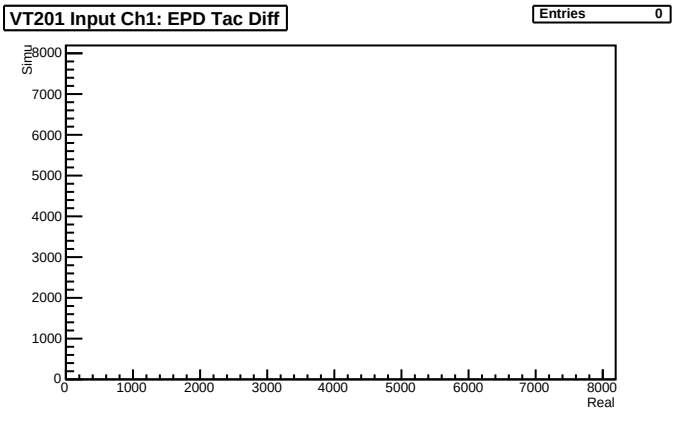

VT201 Input Ch0: BBC Small Tac Diff
Entries 7034
Tac

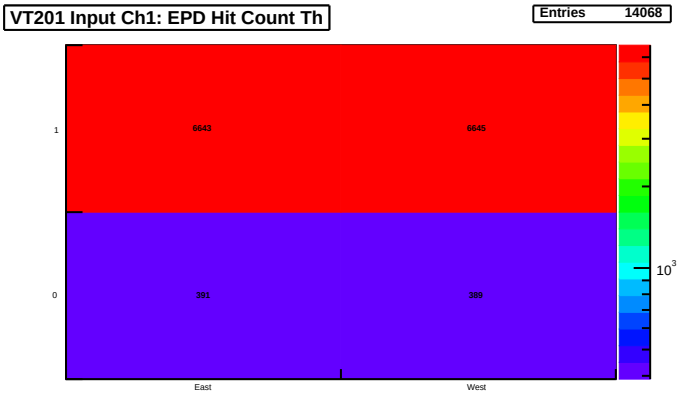

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

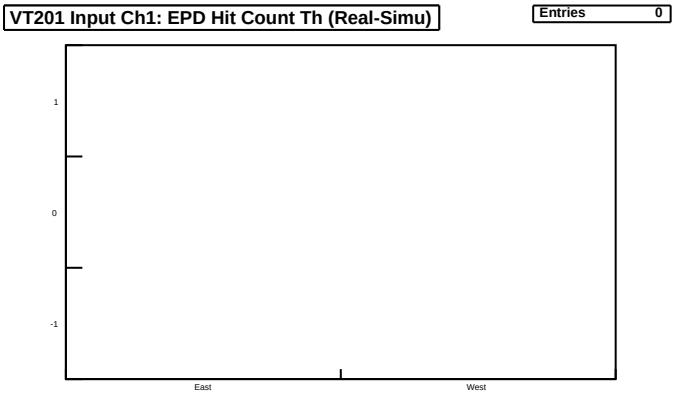

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 14068
5194
5697
1840
1337
East
West

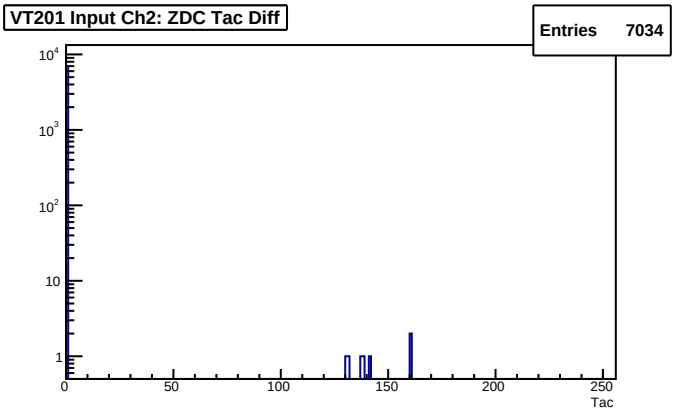

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

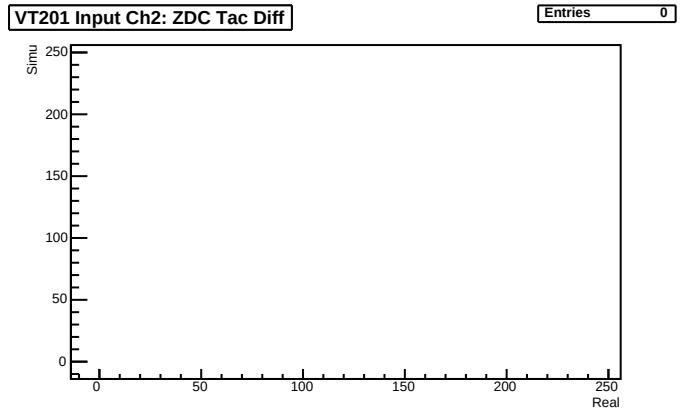

VT201 Input Ch1: EPD Tac Diff
Entries 7034
Tac

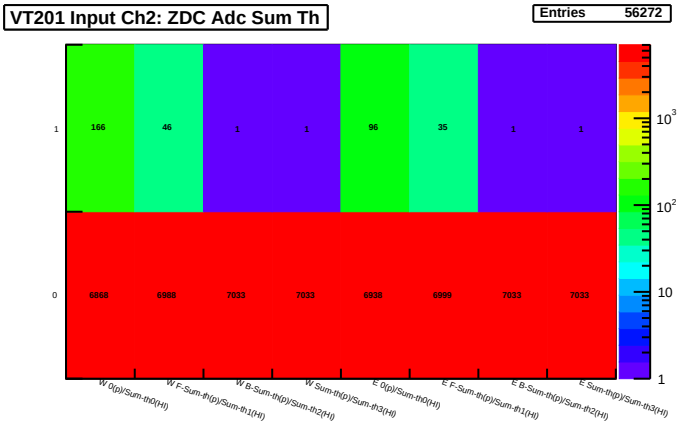

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

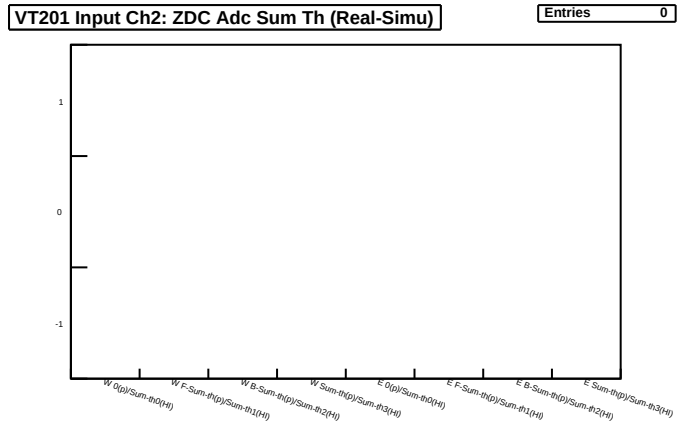

VT201 Input Ch1: EPD Hit Count Th
Entries 14068
6643
6645
391
389
East
West

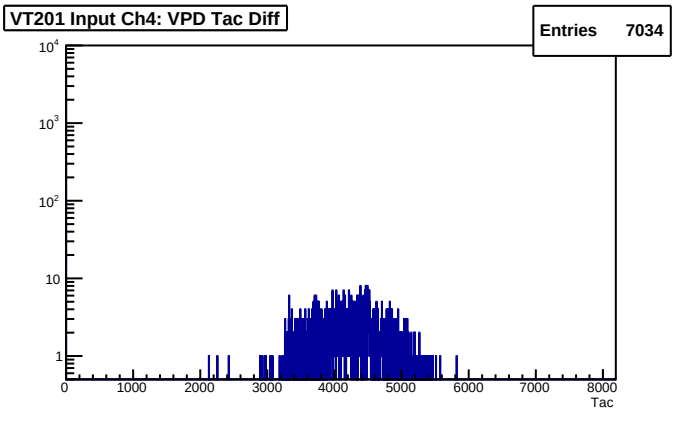

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

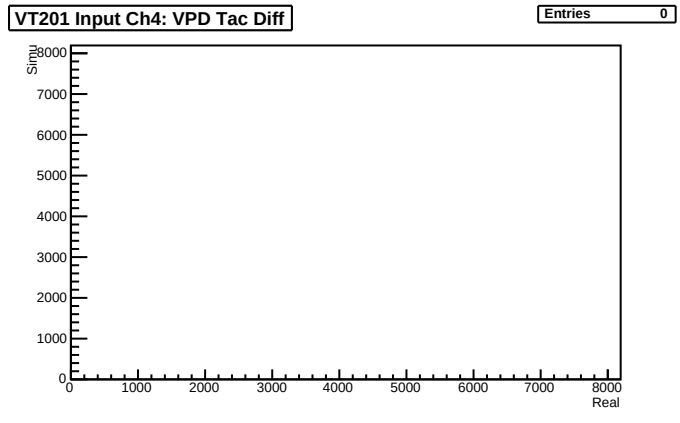

VT201 Input Ch2: ZDC Tac Diff
Entries 7034
Tac

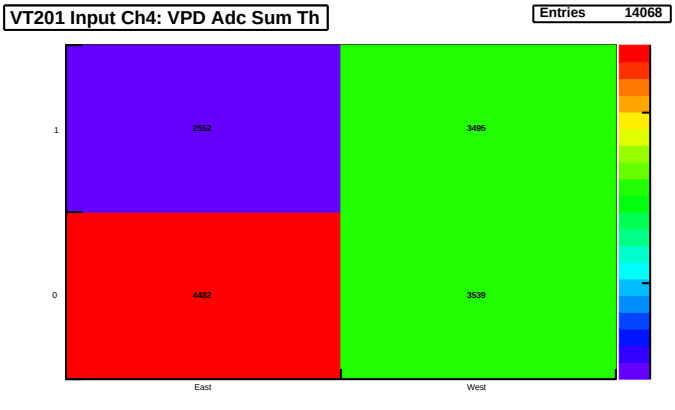

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

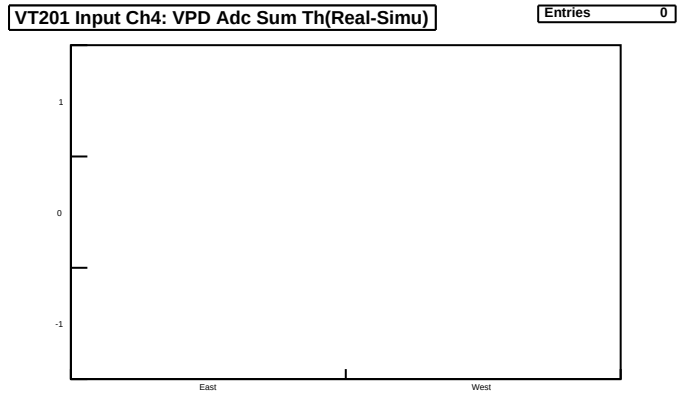

VT201 Input Ch2: ZDC Adc Sum Th
Entries 56272
166 46 1 1 96 35 1 1
6868 6988 7033 7033 6938 6999 7033 7033
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

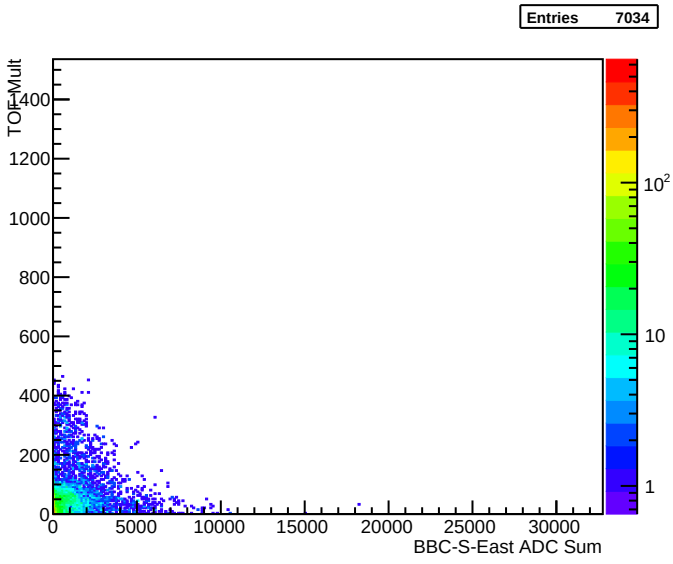

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

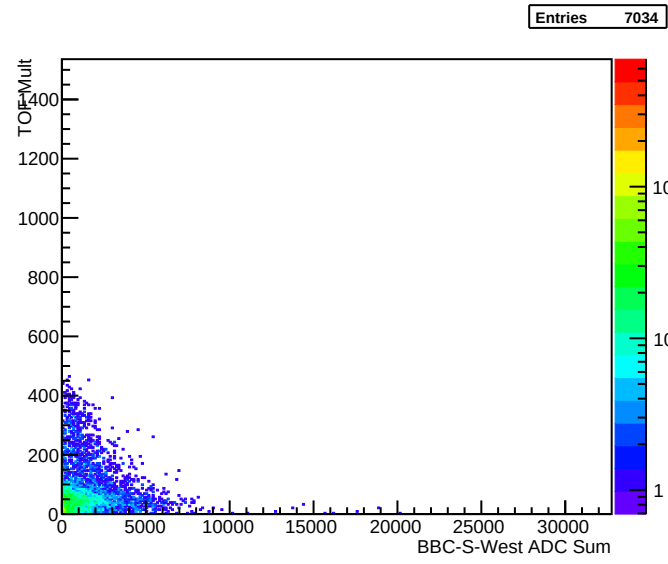

VT201 Input Ch4: VPD Tac Diff
Entries 7034
Tac

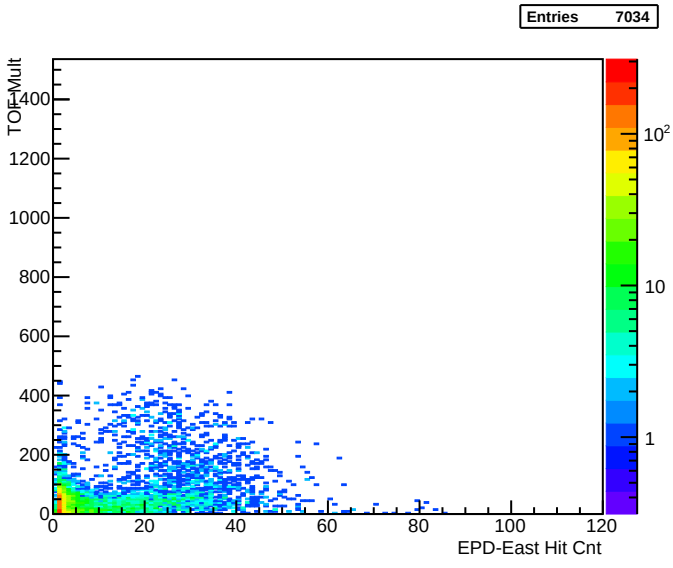

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

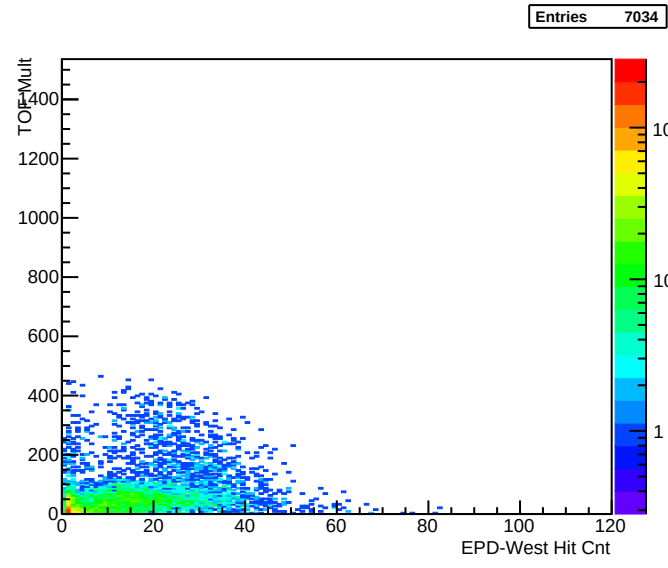

VT201 Input Ch4: VPD Adc Sum Th
Entries 14068
2552 3495
4482 3539
East
West

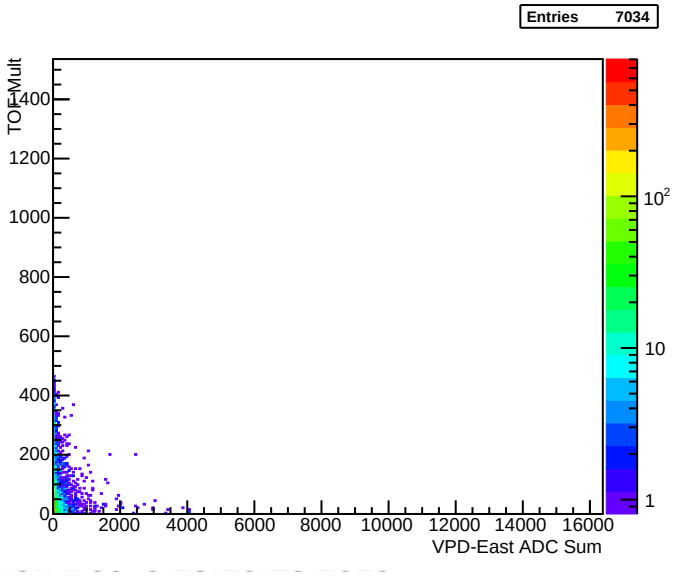

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

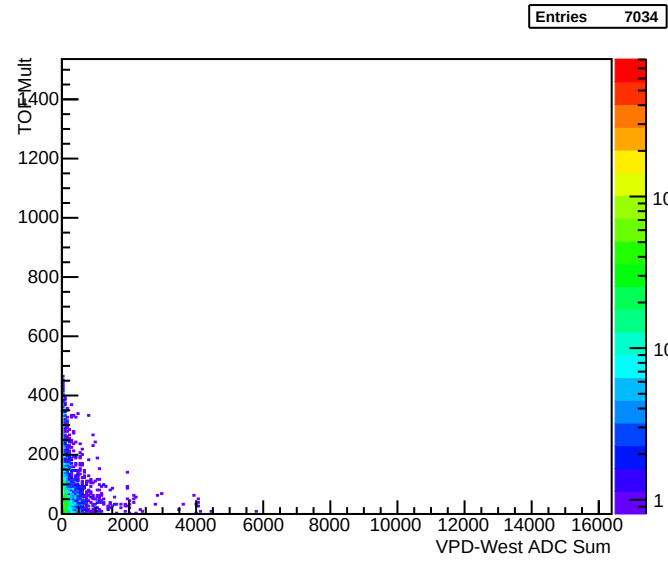

Entries 7034
TOF-Mult
BBC-S-East ADC Sum

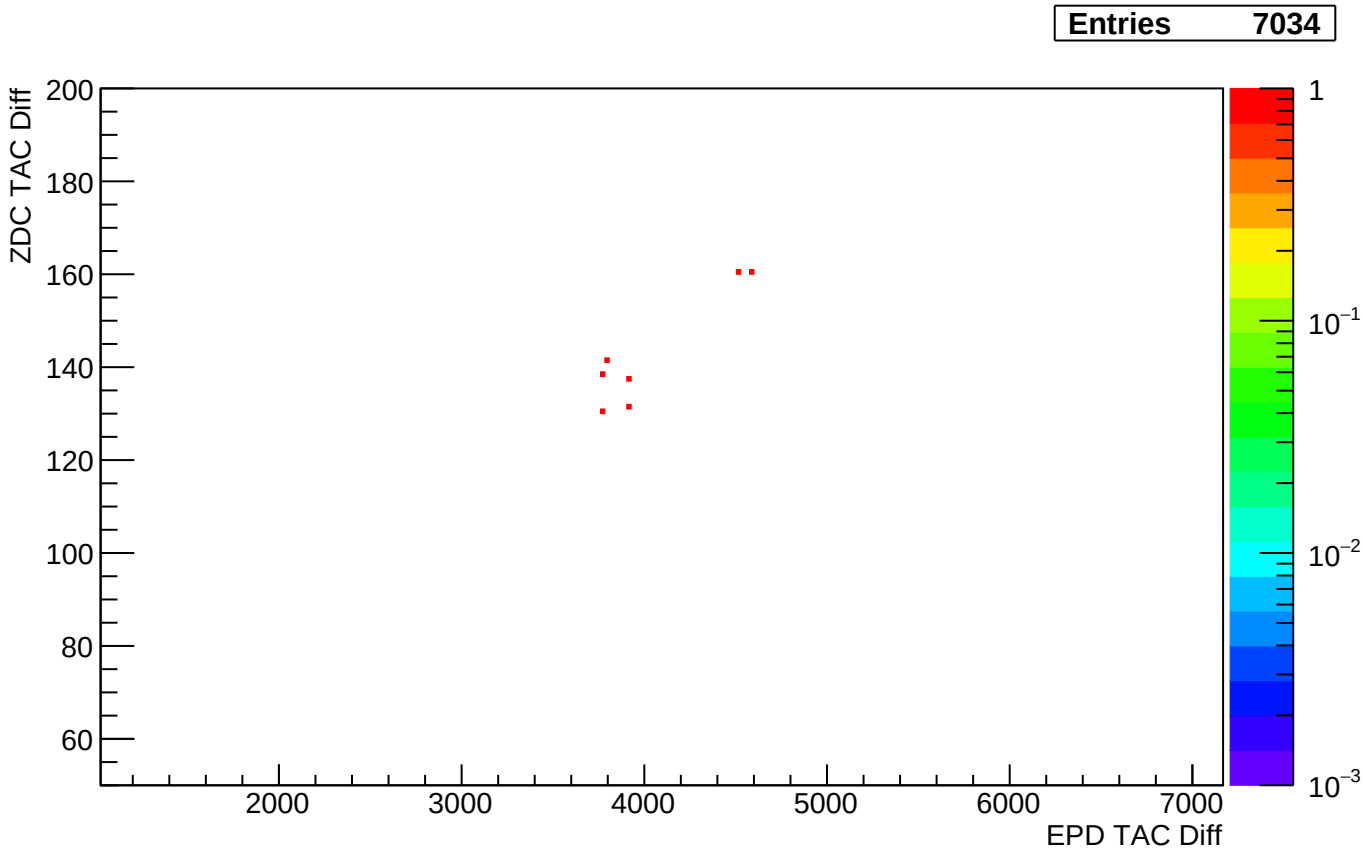

Entries 7034
TOF-Mult
BBC-S-West ADC Sum

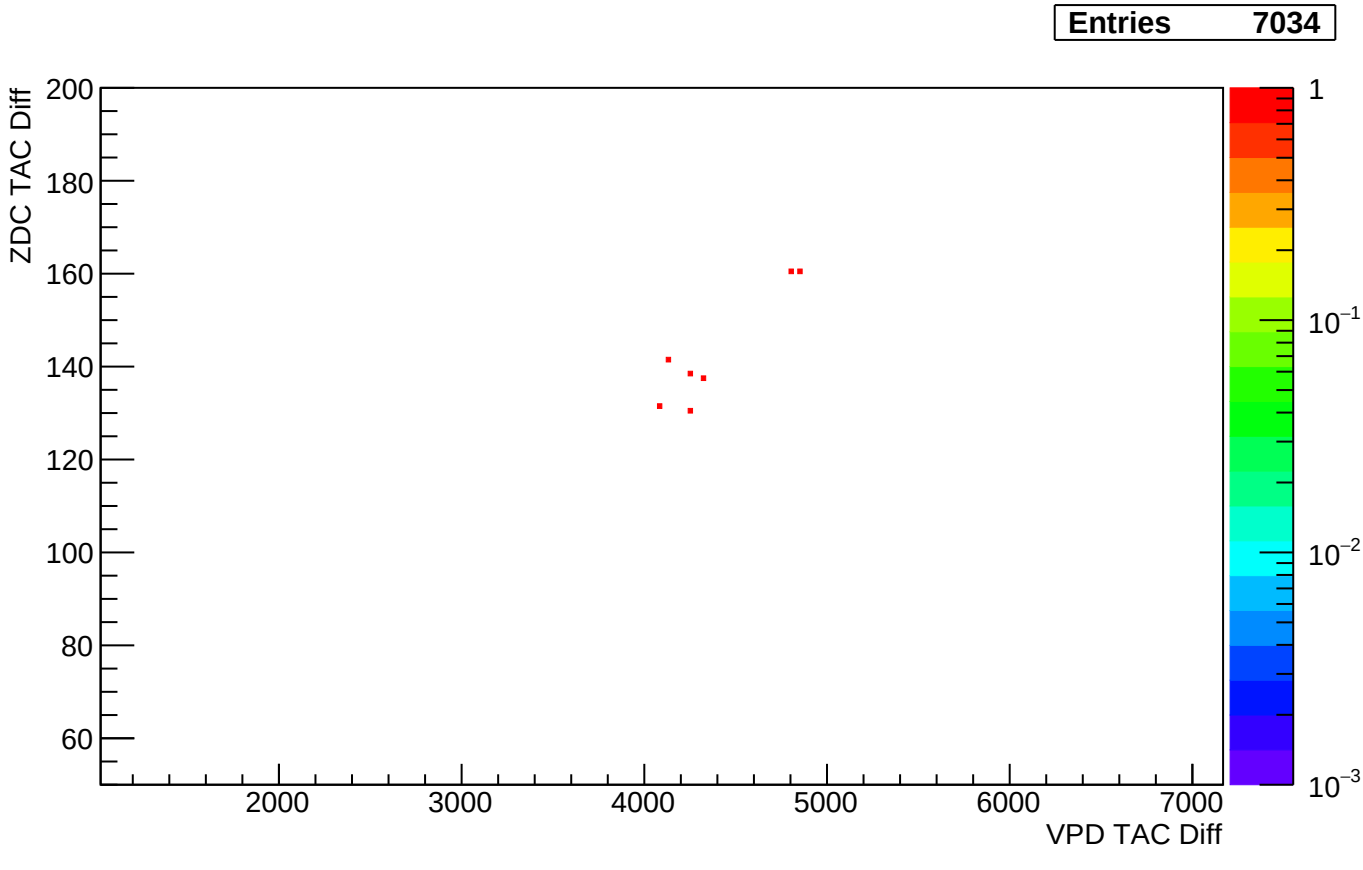

Entries 7034
TOF-Mult
EPD-East Hit Cnt

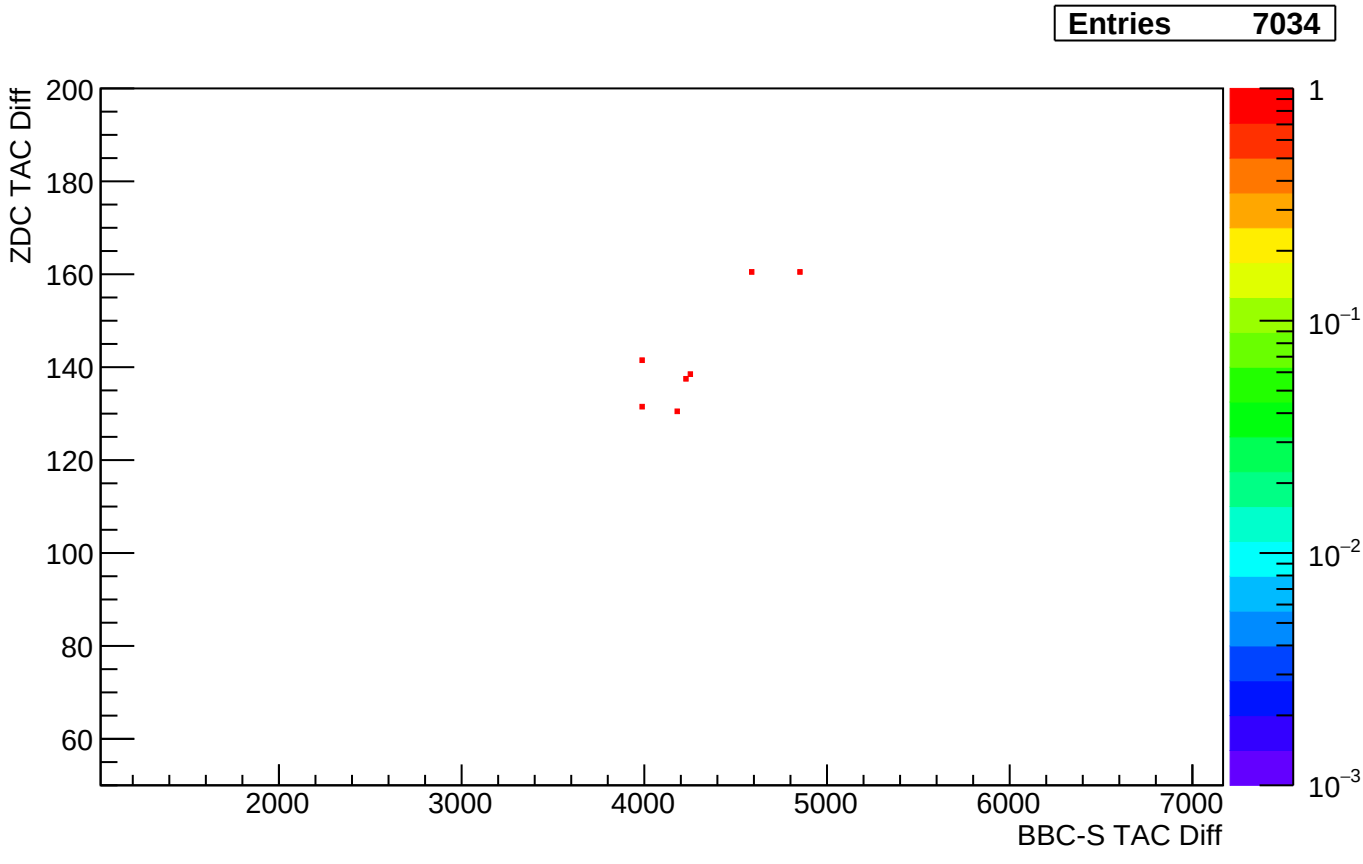

Entries 7034
TOF-Mult
EPD-West Hit Cnt

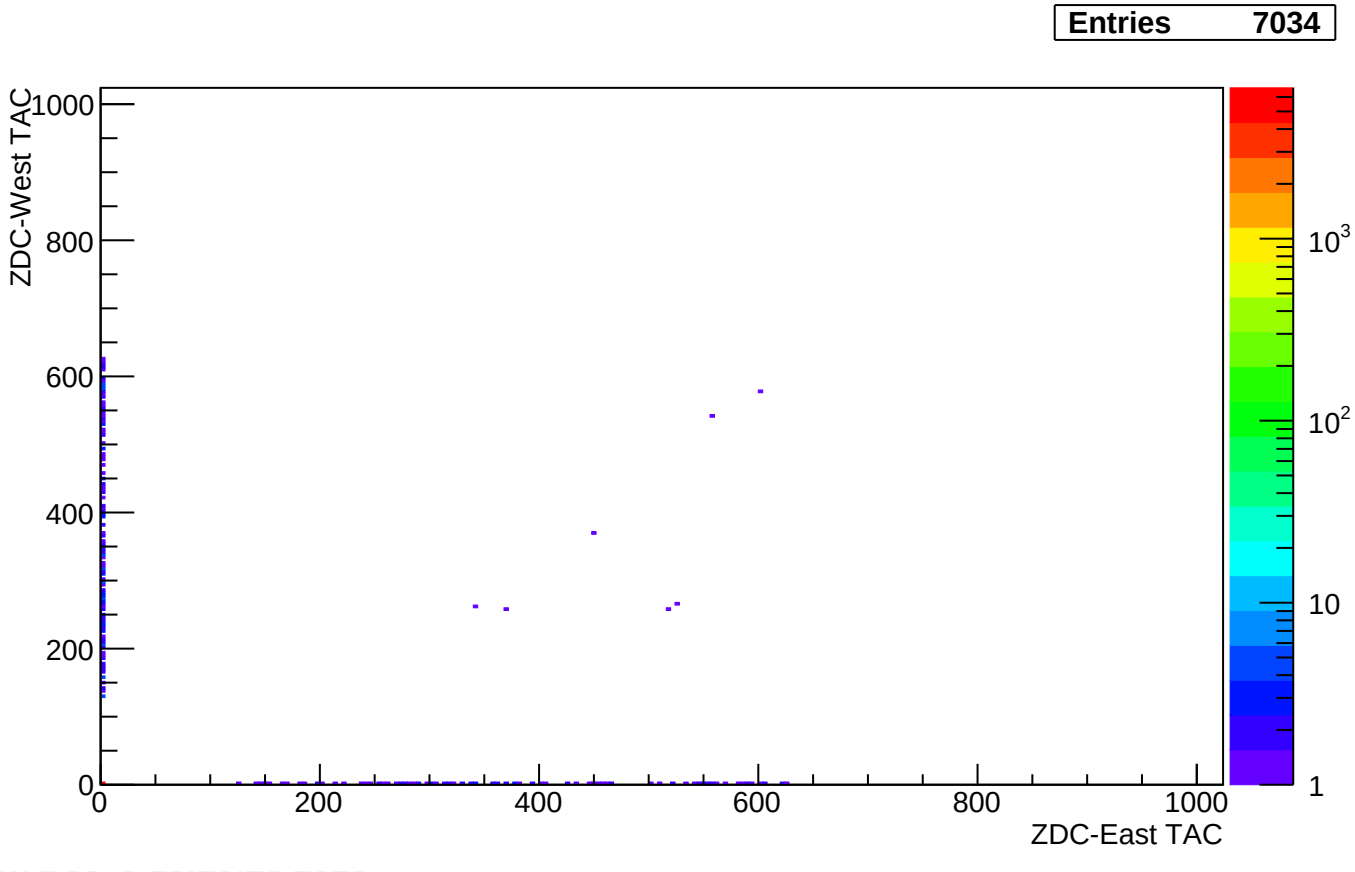

Entries 7034
TOF-Mult
VPD-East ADC Sum

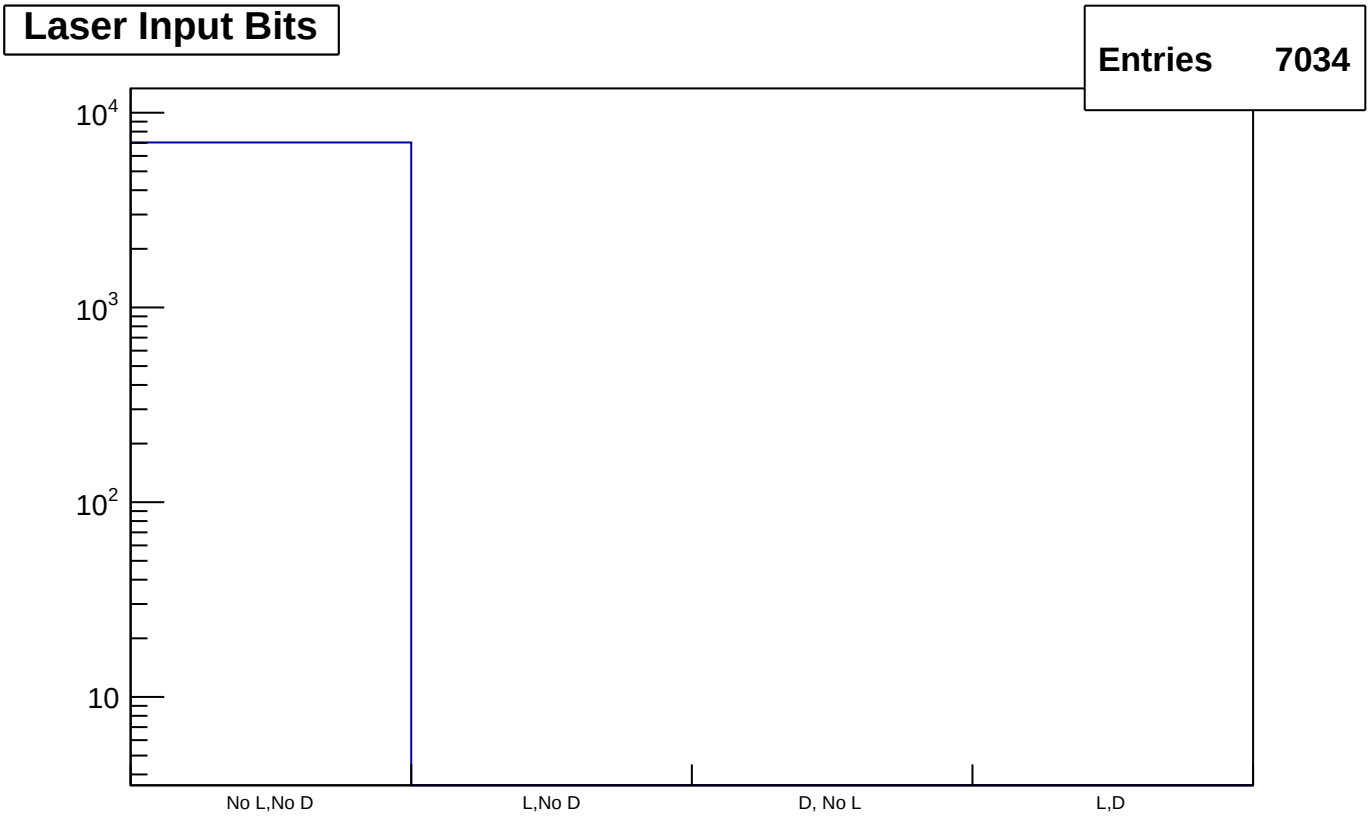

Entries 7034
TOF-Mult
VPD-West ADC Sum

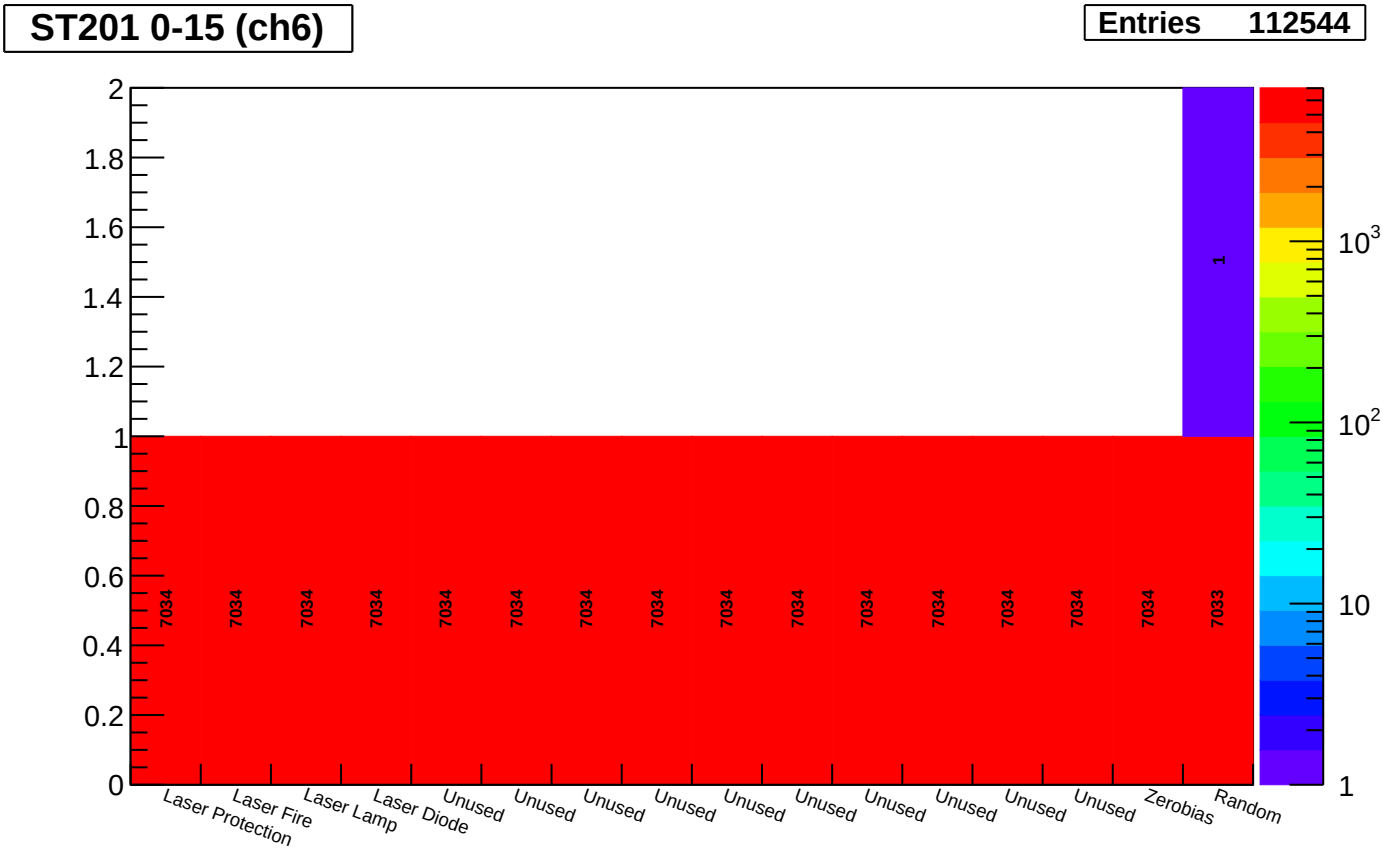

Entries 7034
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

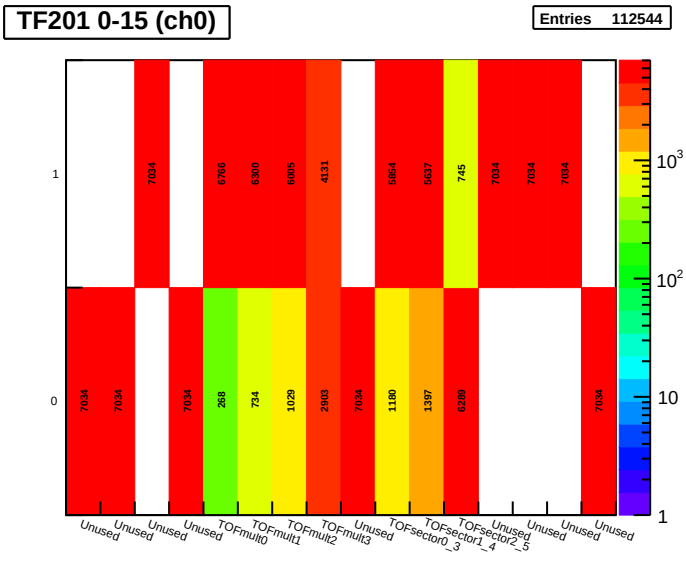

Entries 7034
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

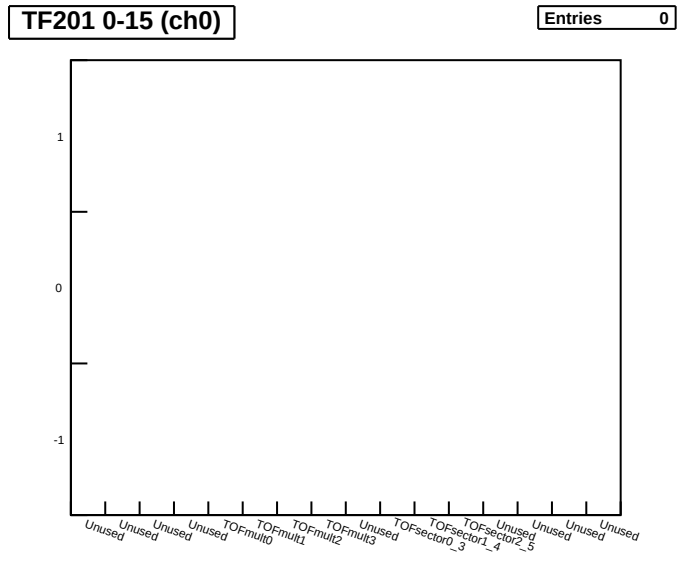

Entries 7034
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

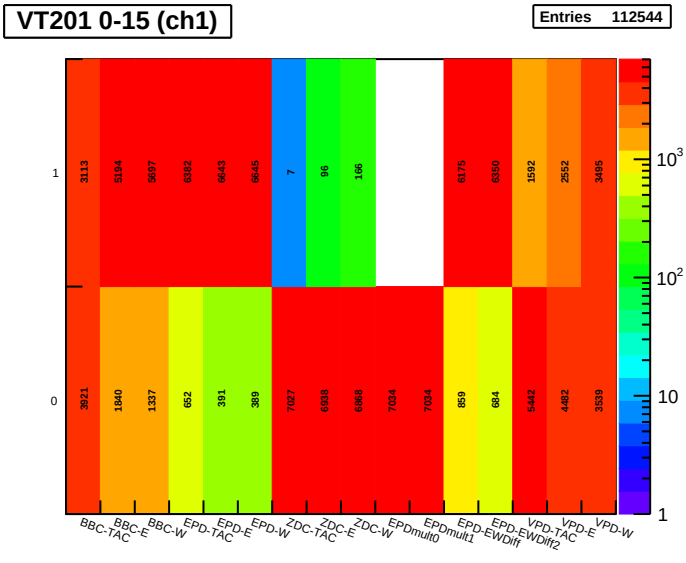

Entries 7034
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^3
10^2
10
1

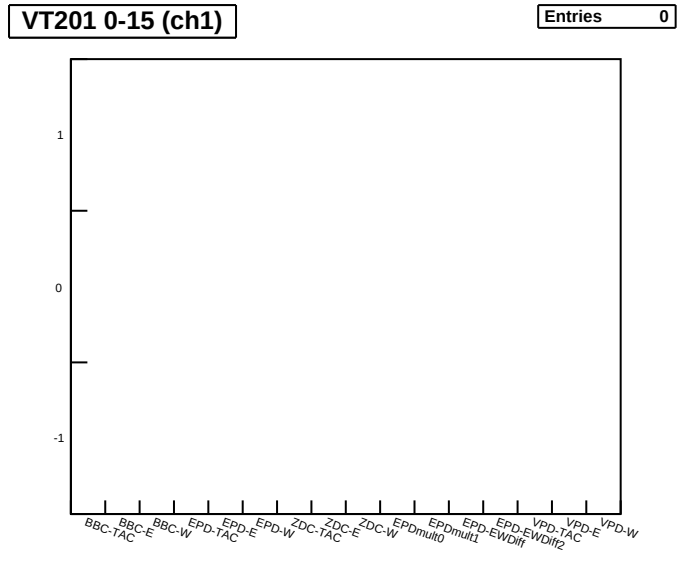

Laser Input Bits
Entries 7034
10^4
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

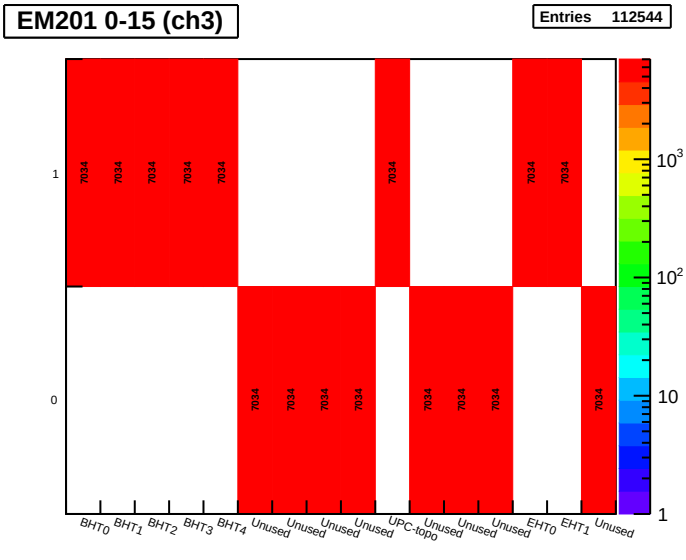

ST201 0-15 (ch6)
Entries 112544
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7034
7033
1
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

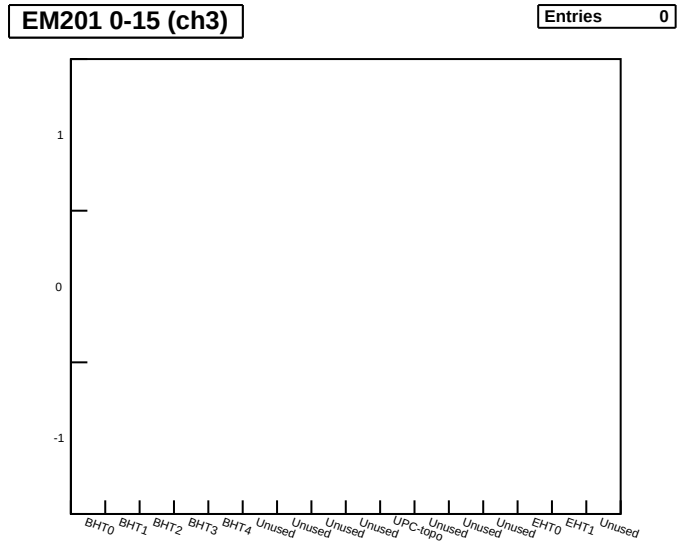

TF201 0-15 (ch0)
Entries 112544
1
0
7034 7034 7034 268 734 1029 2903 7034 1180 1397 6289 7034
7034 6766 6300 6005 4131 5854 5637 745 7034 7034 7034
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused
10^3
10^2
10
1


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 112544
1
0
3921 1840 1337 652 391 389 7027 6938 6868 7034 7034 859 684 5442 4482 3539
3113 5194 5697 6382 6643 6645 7 96 166 6175 6350 1592 2552 3495
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
10^3
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 112544
1
0
7034 7034 7034 7034 7034 7034 7034 7034 7034 7034 7034 7034 7034 7034 7034 7034 7034 7034 7034 7034 7034
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
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