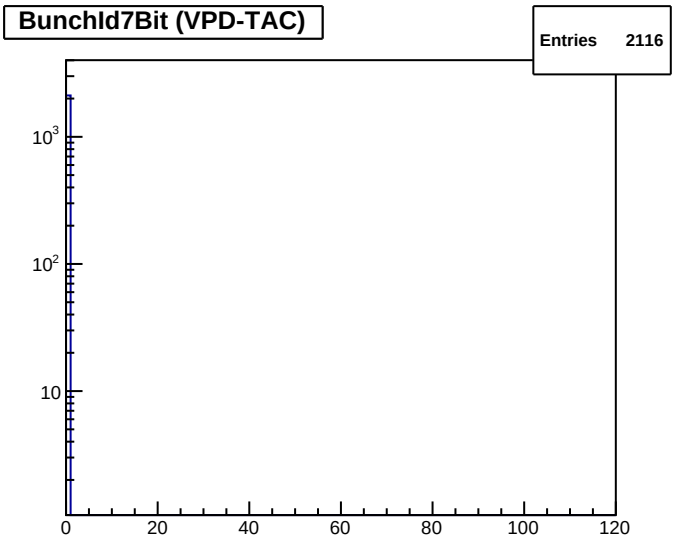
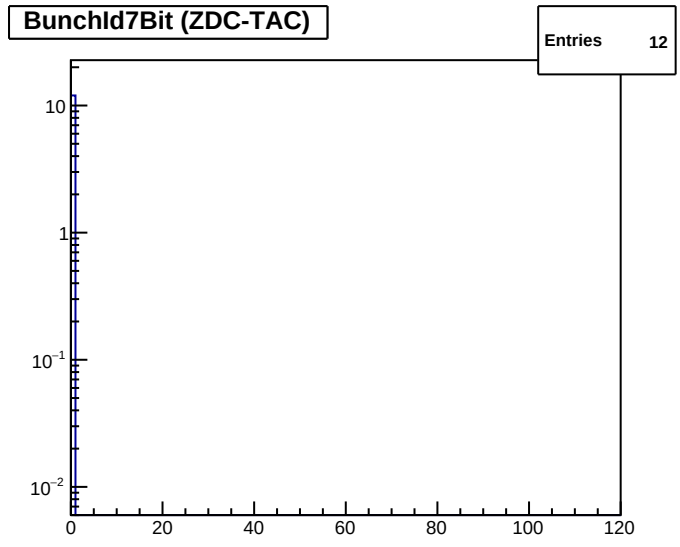
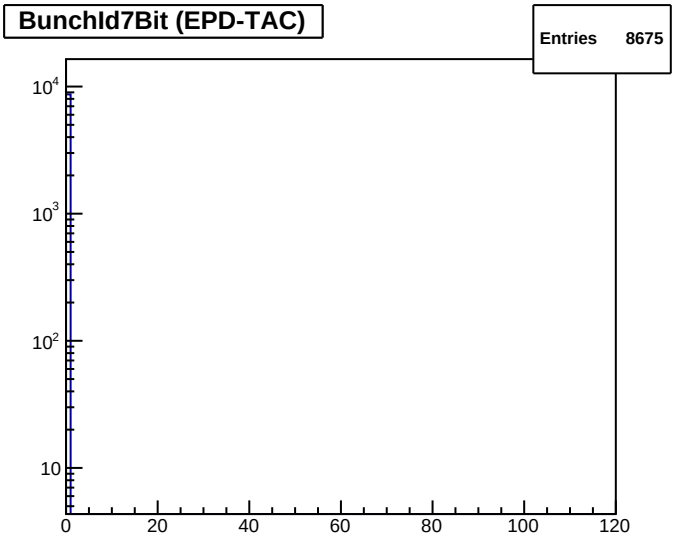
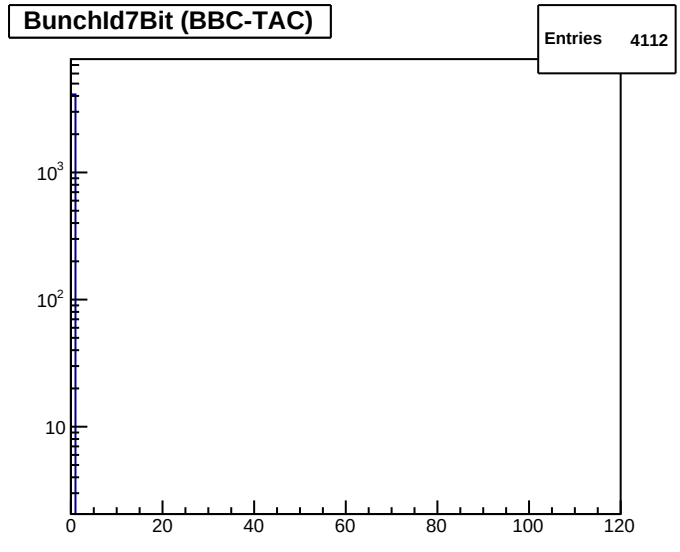
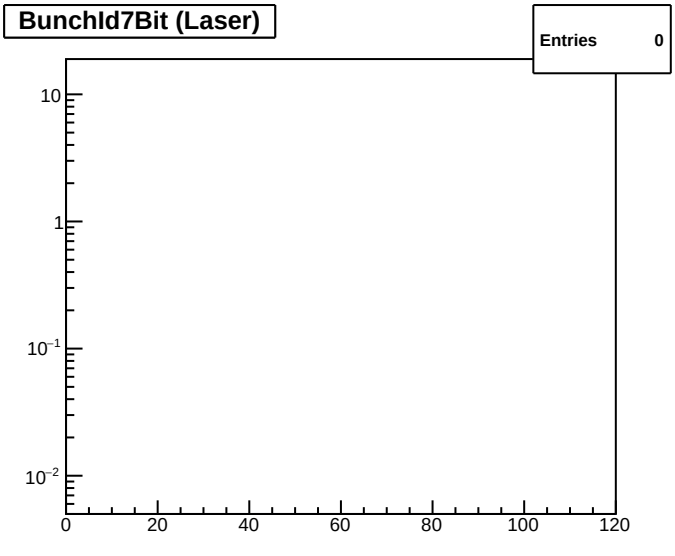
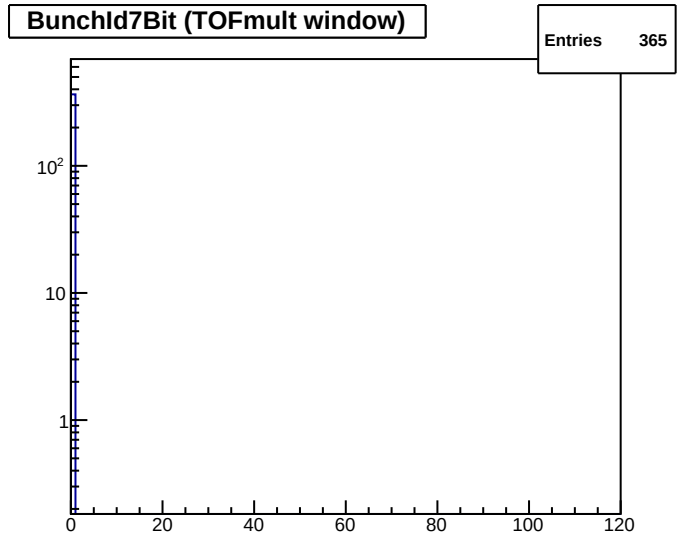

BunchId7Bit (VPD-TAC)
Entries 2116
10^3
10^2
10
0 20 40 60 80 100 120

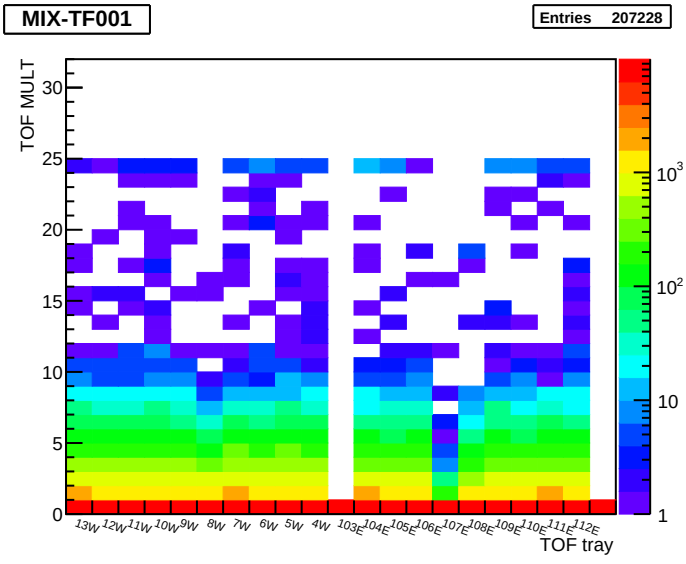

BunchId7Bit (ZDC-TAC)
Entries 12
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

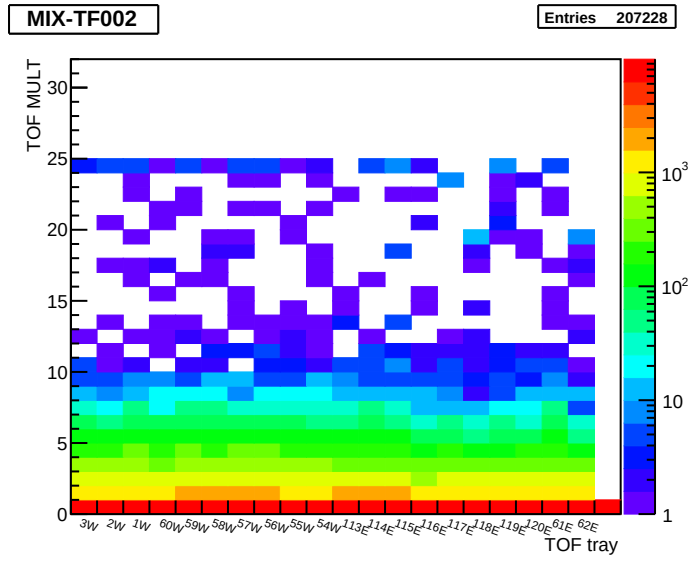

BunchId7Bit (EPD-TAC)
Entries 8675
10^4
10^3
10^2
10
0 20 40 60 80 100 120

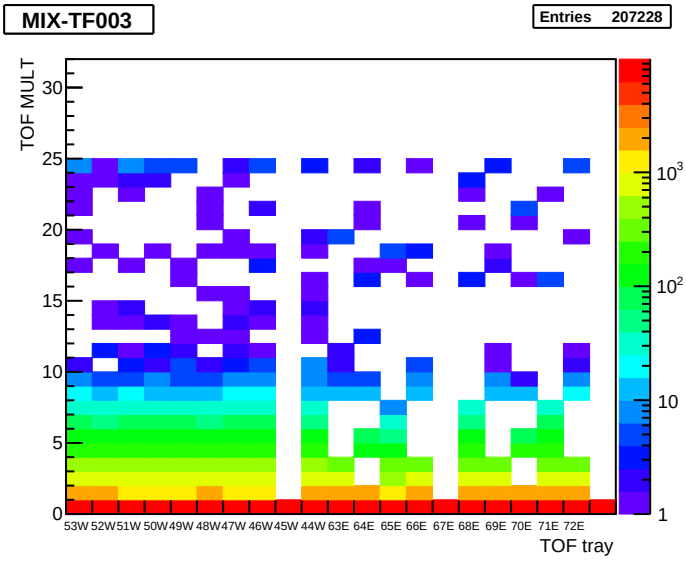

BunchId7Bit (BBC-TAC)
Entries 4112
10^3
10^2
10
0 20 40 60 80 100 120

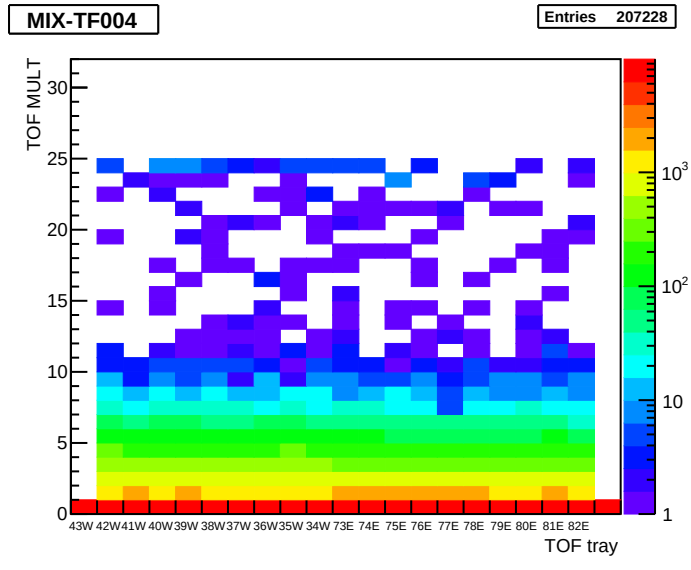

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

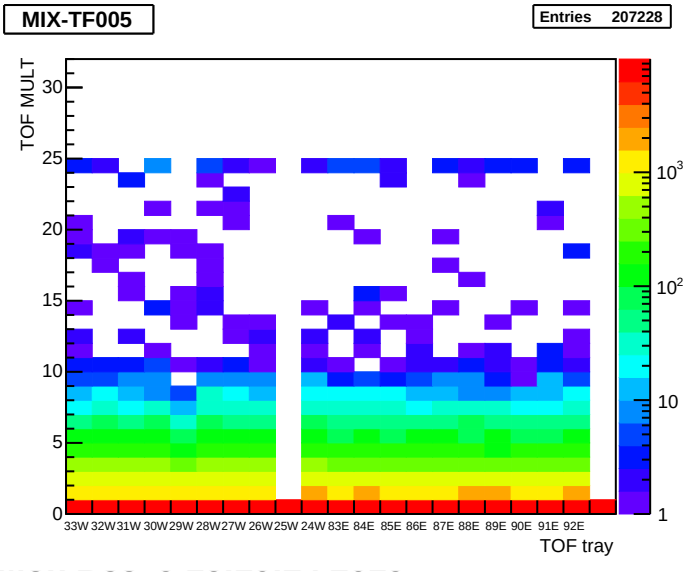

BunchId7Bit (TOFmult window)
Entries 365
10^2
10
1
0 20 40 60 80 100 120

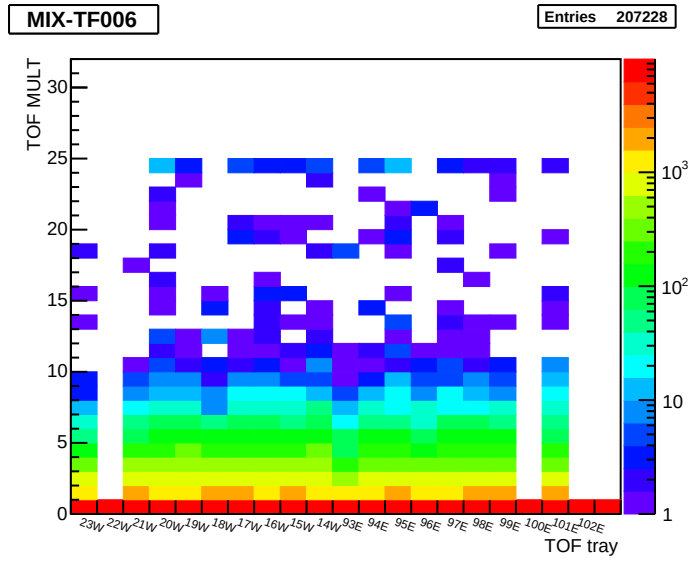

MIX-TF001
Entries 207228
TOF MULT
TOF tray

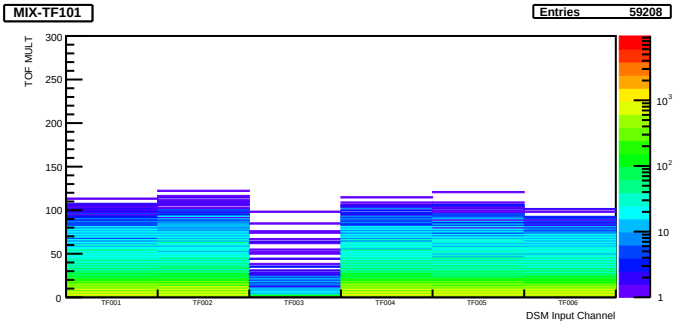

MIX-TF002
Entries 207228
TOF MULT
TOF tray

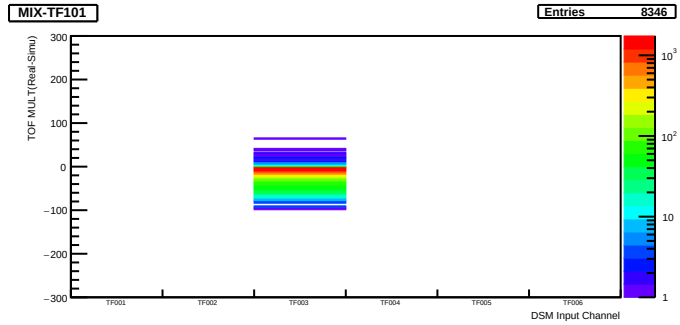

MIX-TF003
Entries 207228
TOF MULT
TOF tray

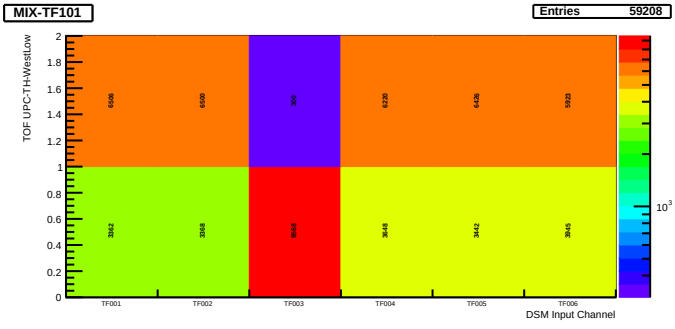

MIX-TF004
Entries 207228
TOF MULT
TOF tray

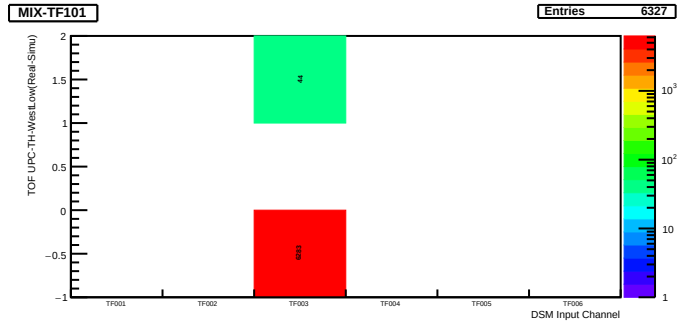

MIX-TF005
Entries 207228
TOF MULT
TOF tray

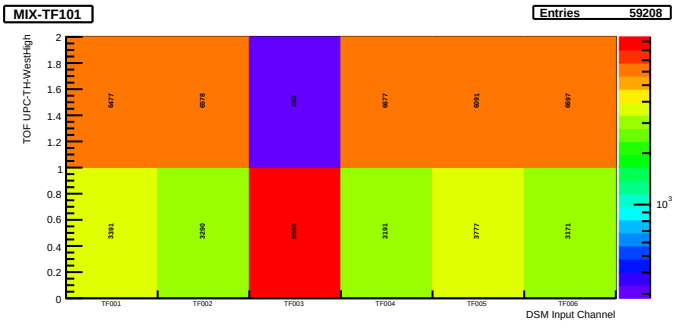

MIX-TF006
Entries 207228
TOF MULT
TOF tray

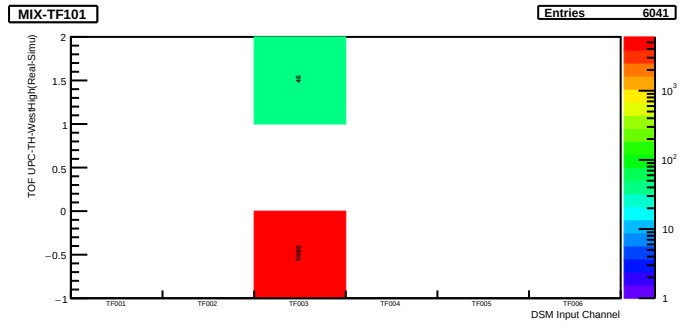

MIX-TF101
Entries 59208
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

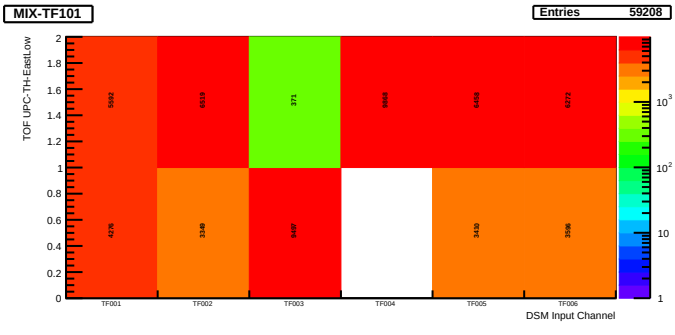

MIX-TF101
Entries 8346
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

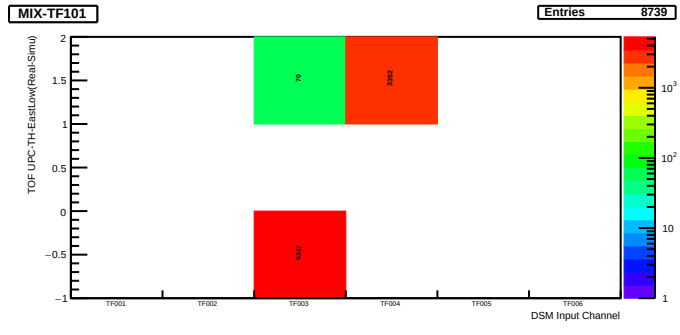

MIX-TF101
Entries 59208
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

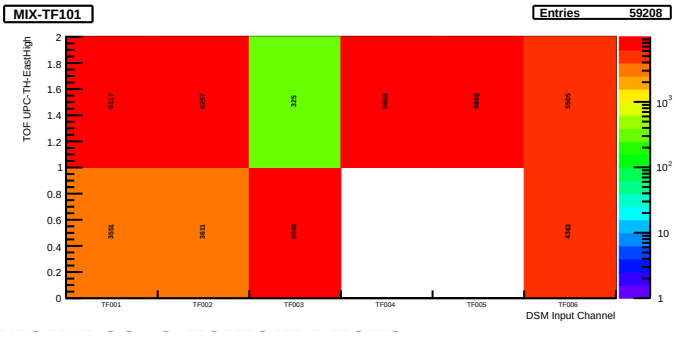

MIX-TF101
Entries 6327
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

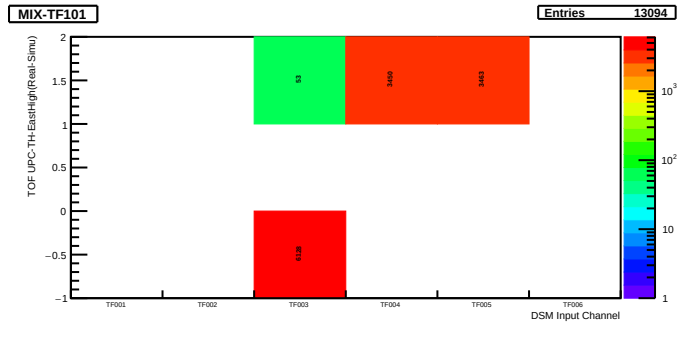

MIX-TF101
Entries 59208
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

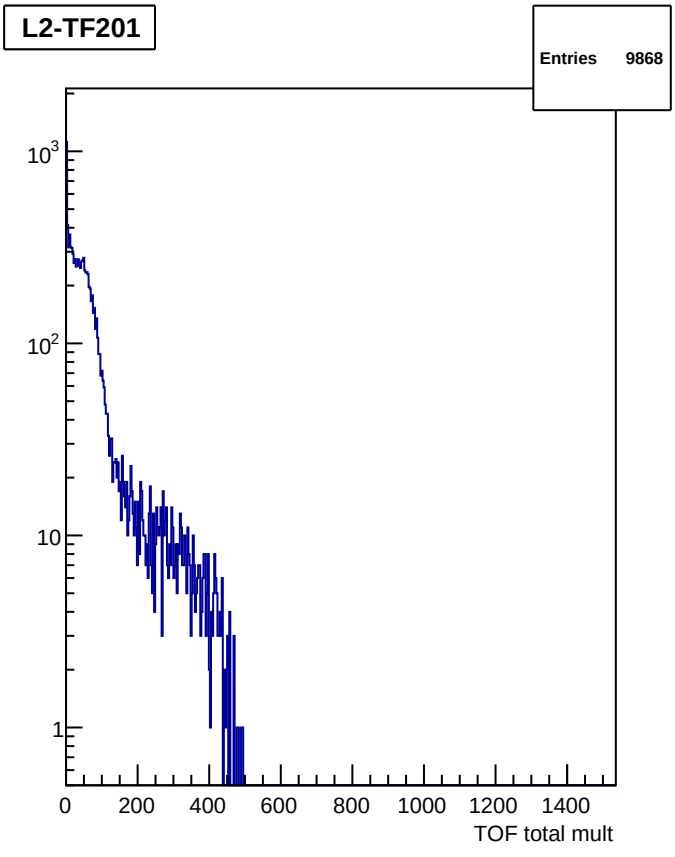

MIX-TF101
Entries 6041
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

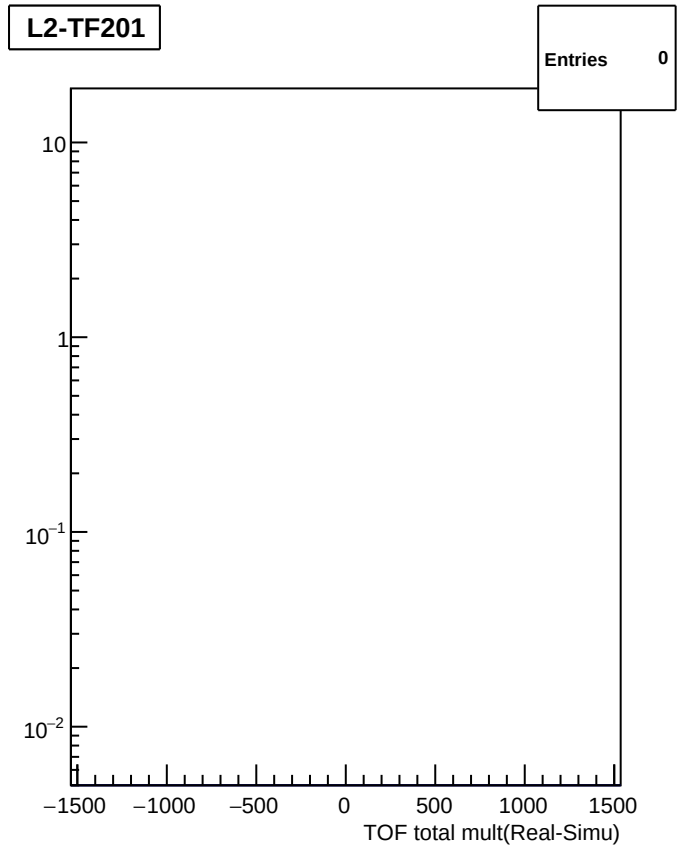

MIX-TF101
Entries 59208
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

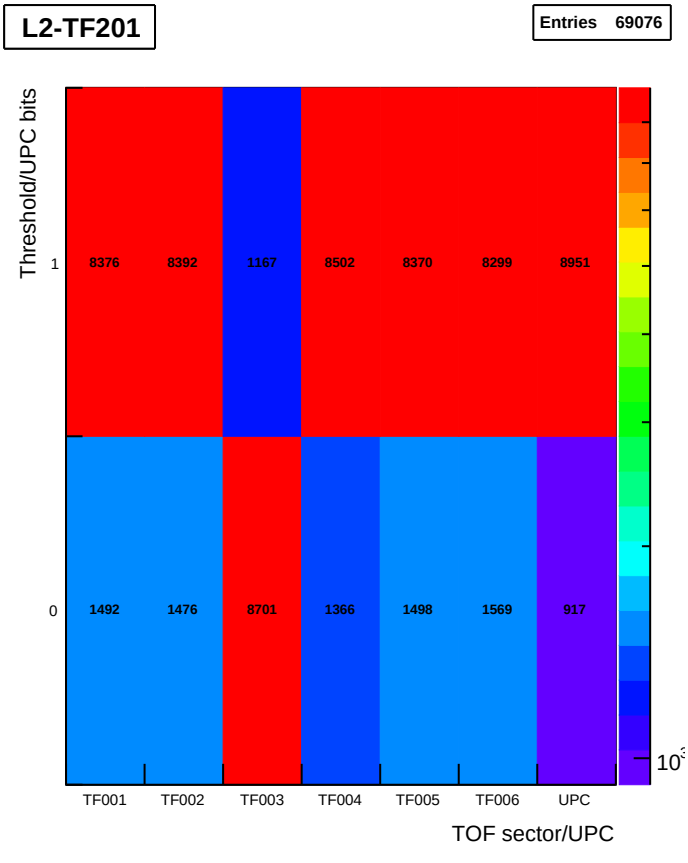

MIX-TF101
Entries 8739
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

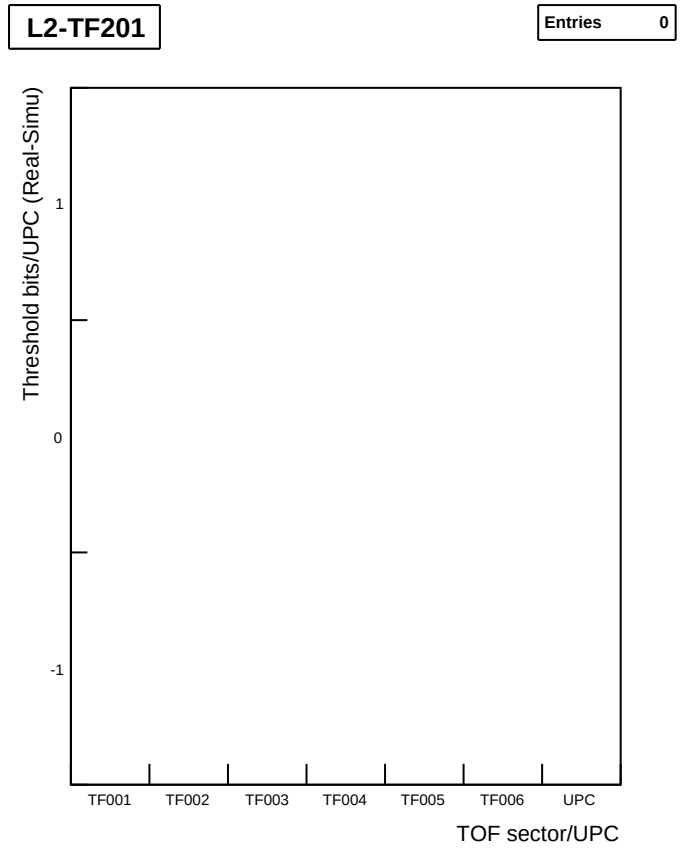

MIX-TF101
Entries 59208
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

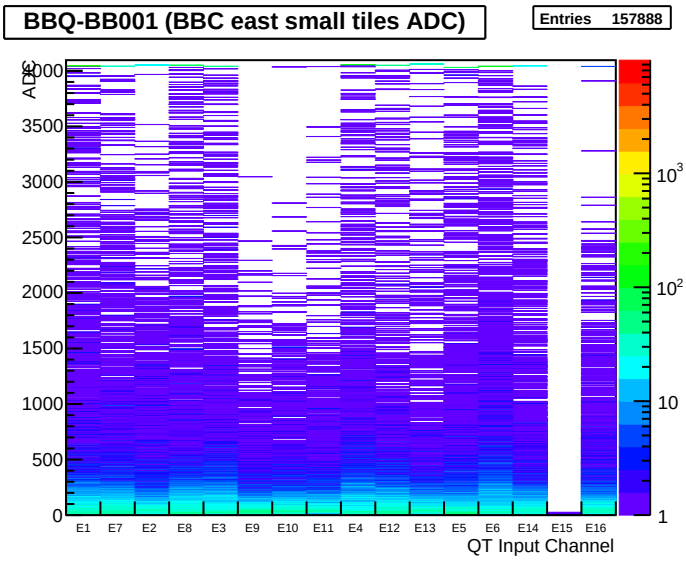

MIX-TF101
Entries 13094
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

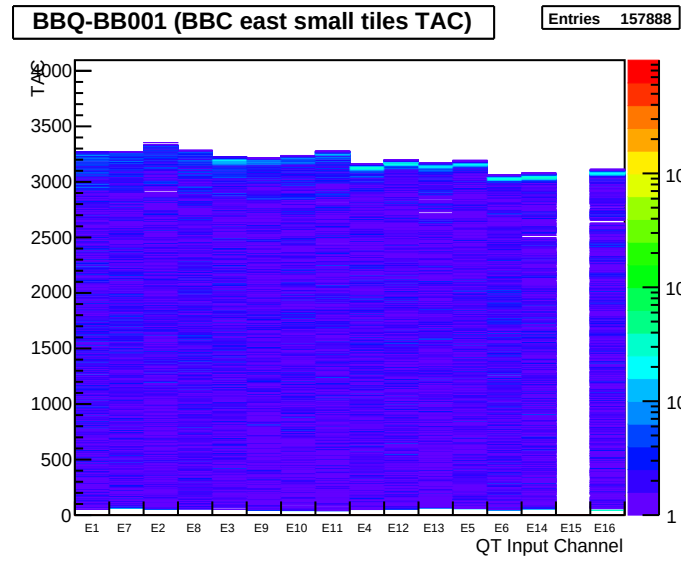

L2-TF201
Entries 9868
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

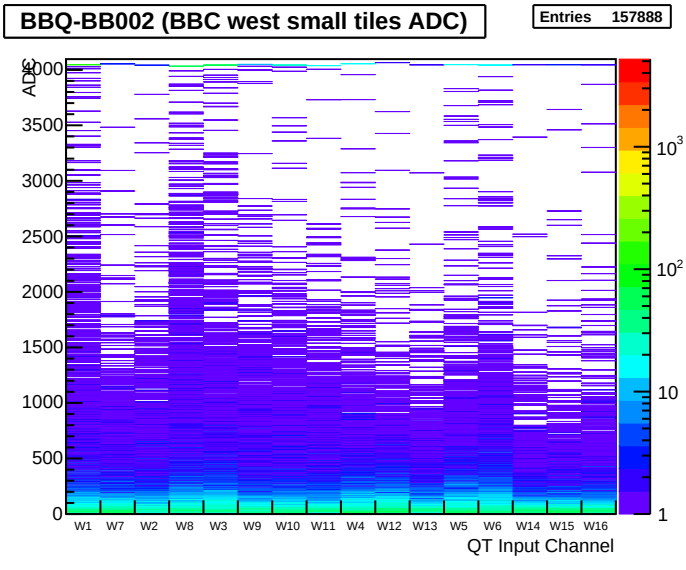

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

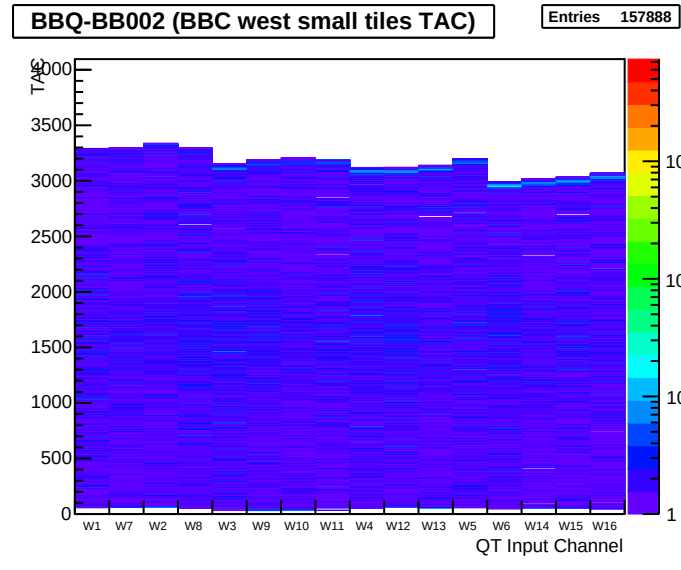

L2-TF201
Entries 69076
Threshold/UPC bits
1
0
8376
8392
1167
8502
8370
8299
8951
1492
1476
8701
1366
1498
1569
917
10^3
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

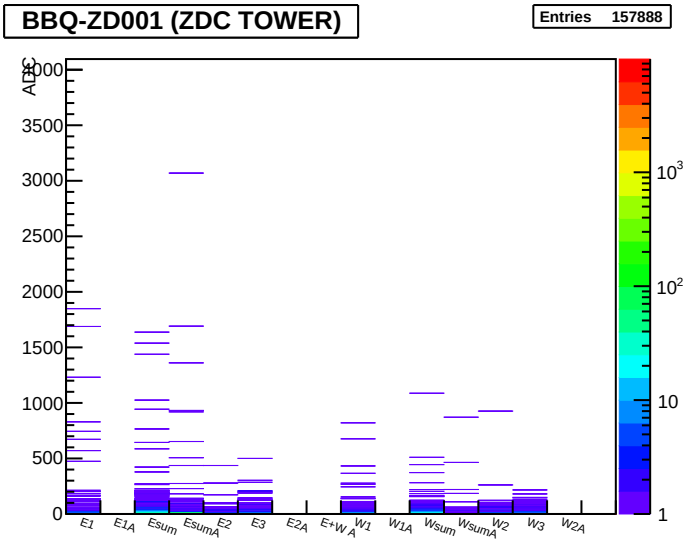

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

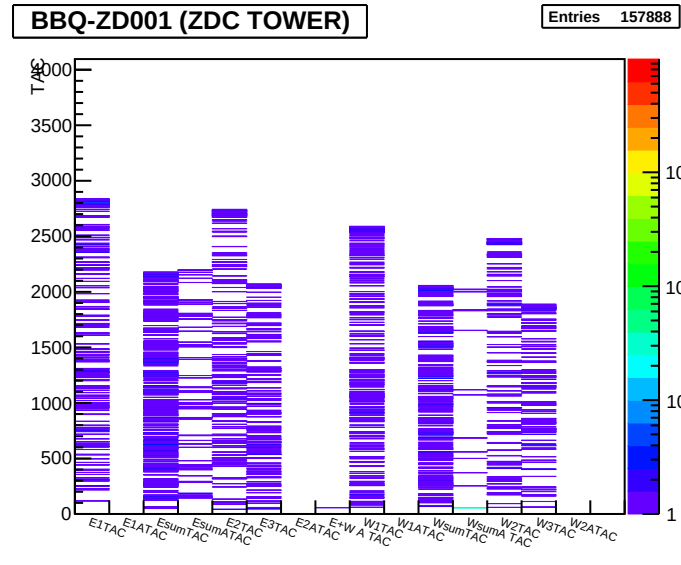

BBQ-BB001 (BBC east small tiles ADC)
Entries 157888
ADC
QT Input Channel

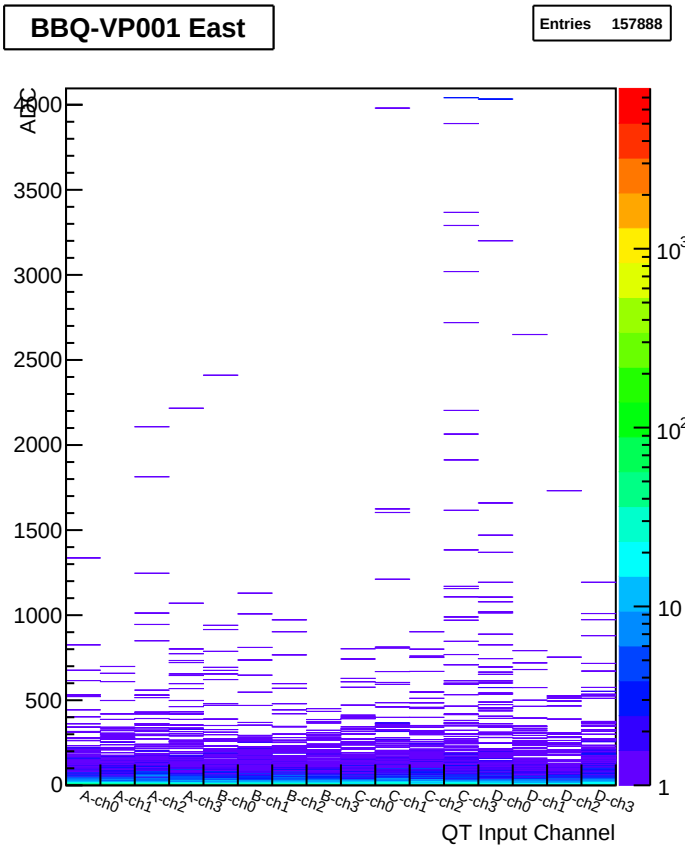

BBQ-BB001 (BBC east small tiles TAC)
Entries 157888
TAC
QT Input Channel

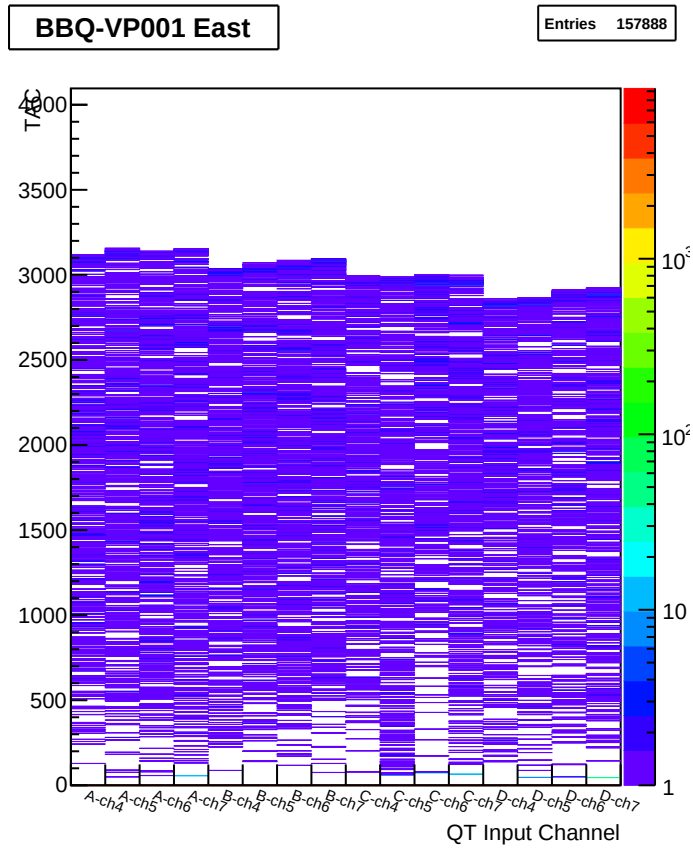

BBQ-BB002 (BBC west small tiles ADC)
Entries 157888
ADC
QT Input Channel

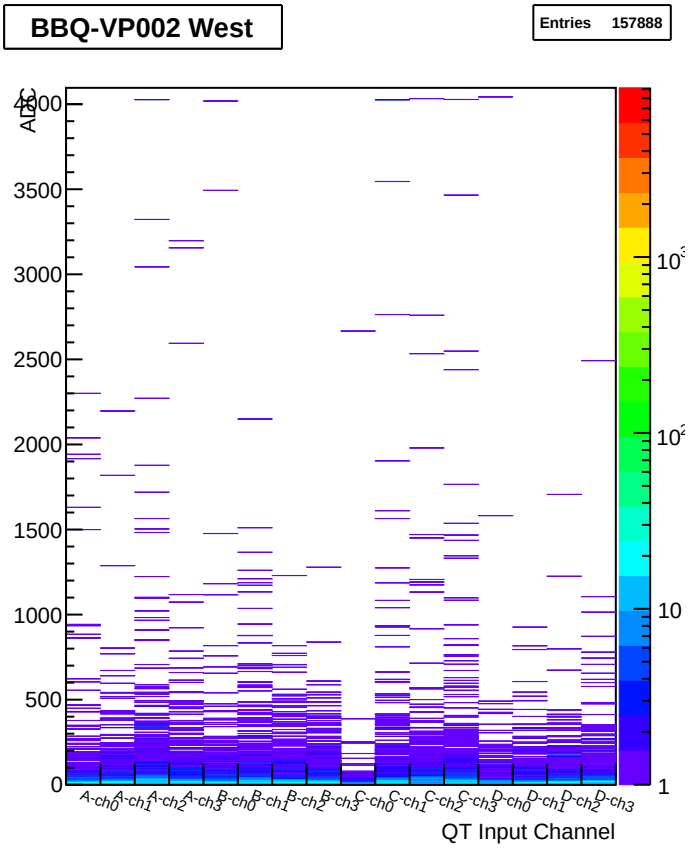

BBQ-BB002 (BBC west small tiles TAC)
Entries 157888
TAC
QT Input Channel

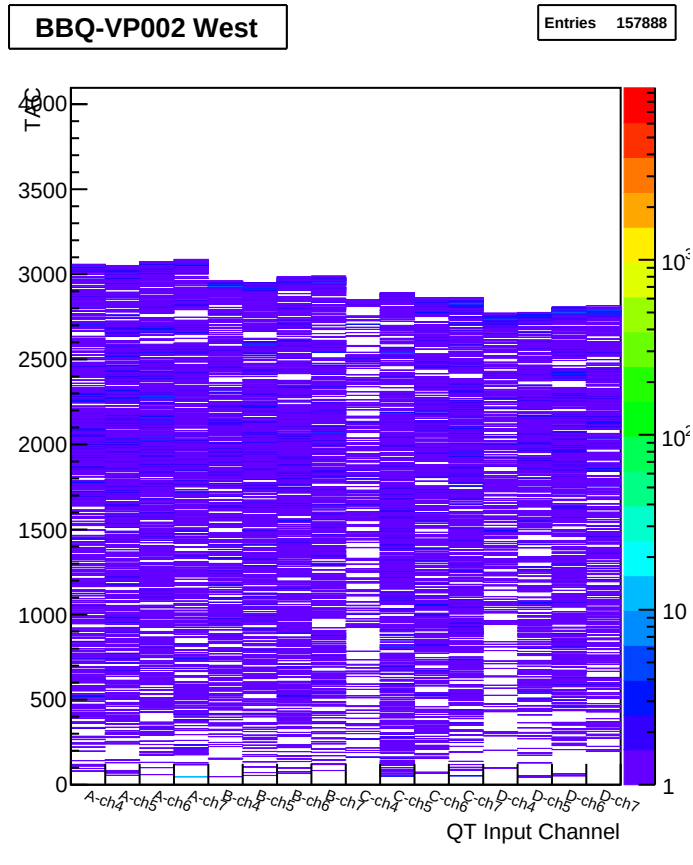

BBQ-ZD001 (ZDC TOWER)
Entries 157888
ADC

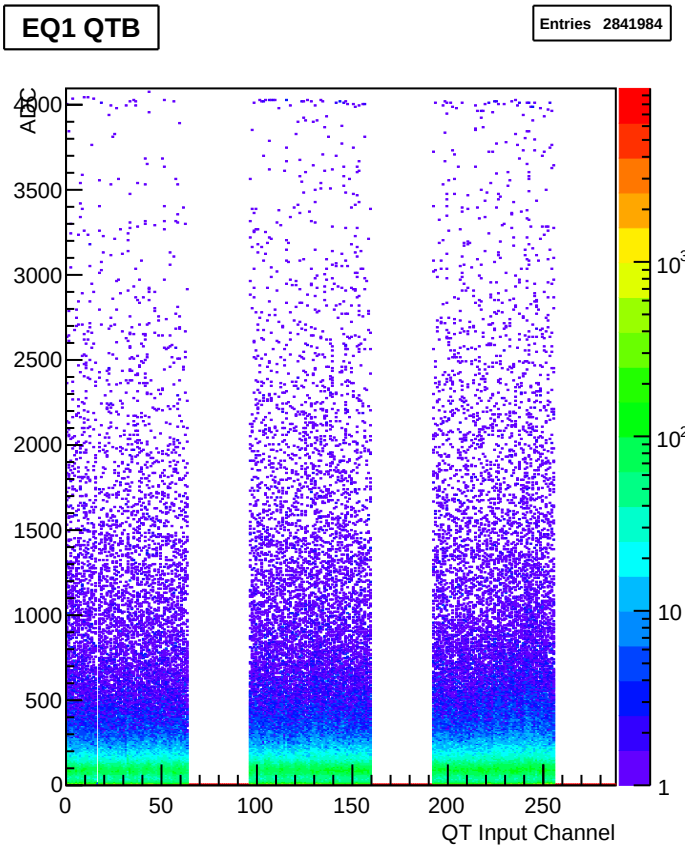

BBQ-ZD001 (ZDC TOWER)
Entries 157888
TAC

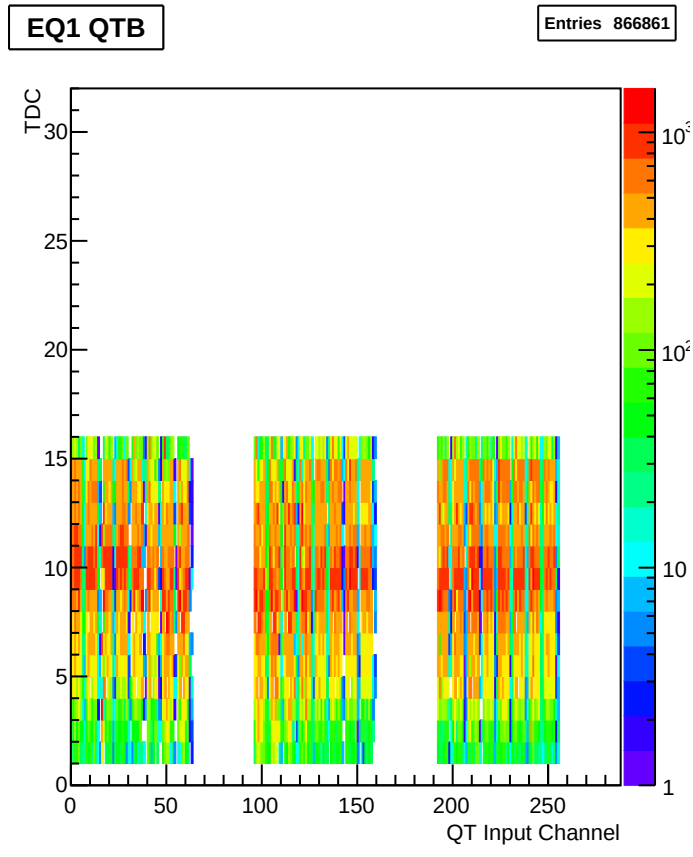

BBQ-VP001 East
Entries 157888
ADC
QT Input Channel

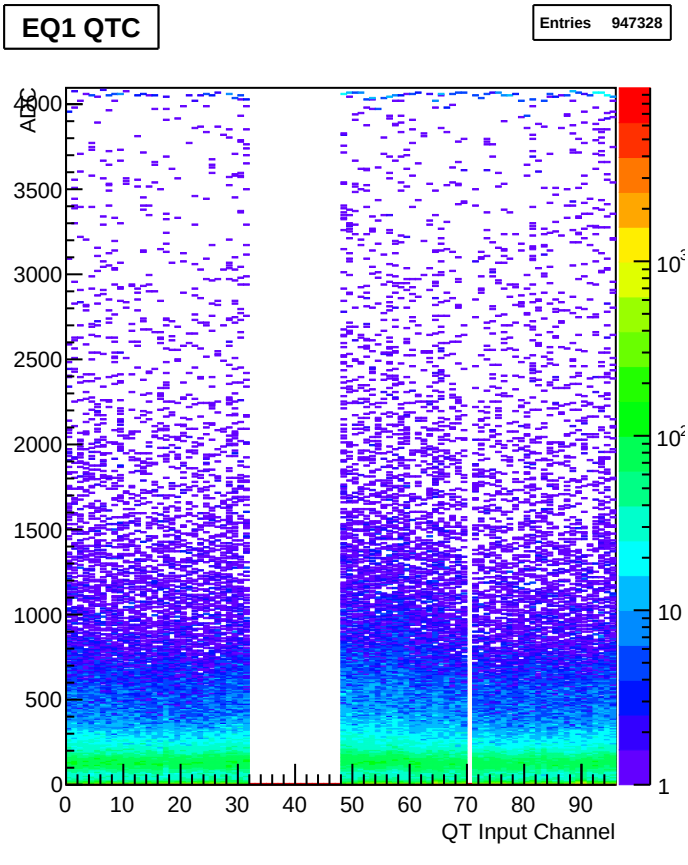

BBQ-VP001 East
Entries 157888
TADC
QT Input Channel

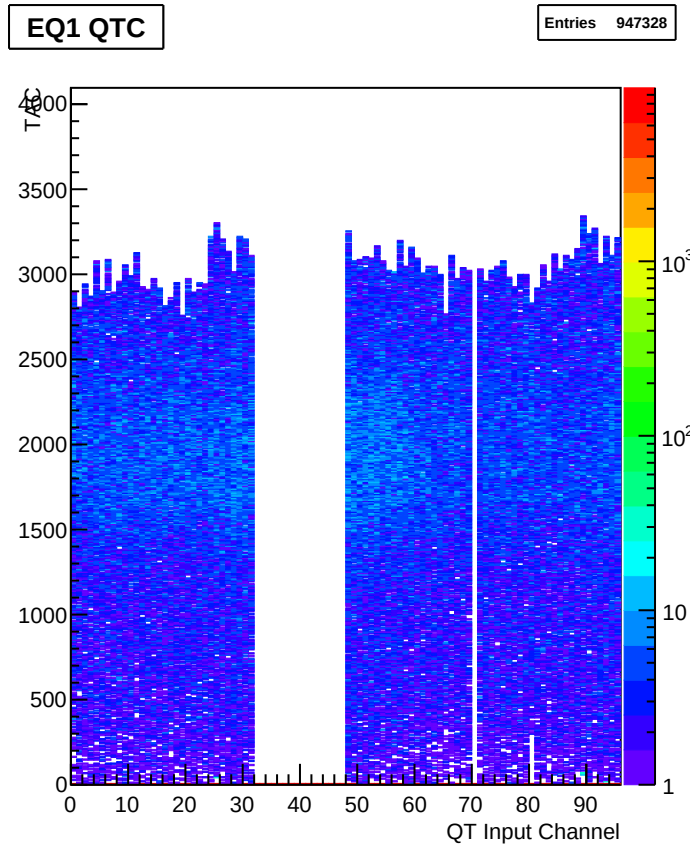

BBQ-VP002 West
Entries 157888
ADC
QT Input Channel

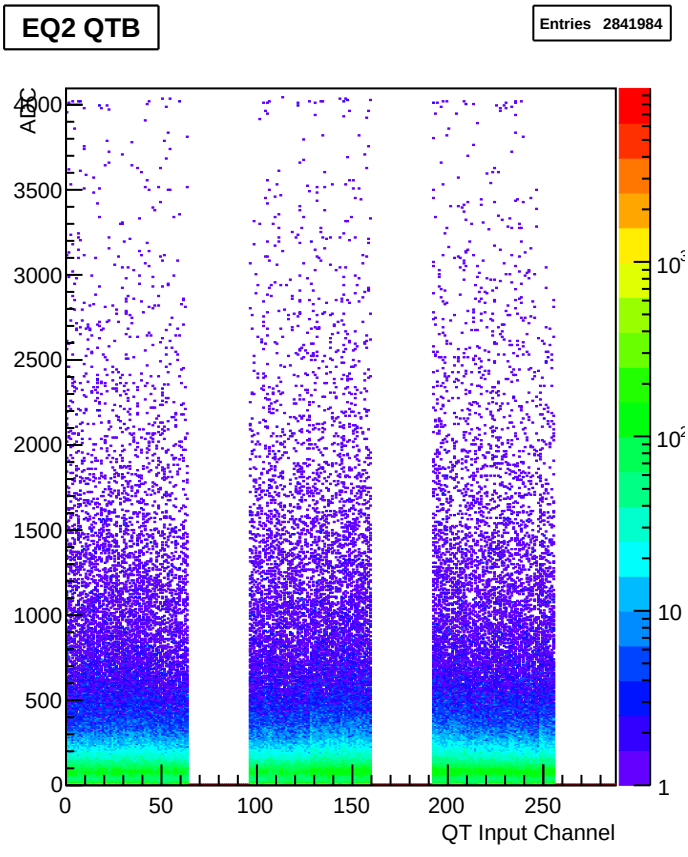

BBQ-VP002 West
Entries 157888
TADC
QT Input Channel

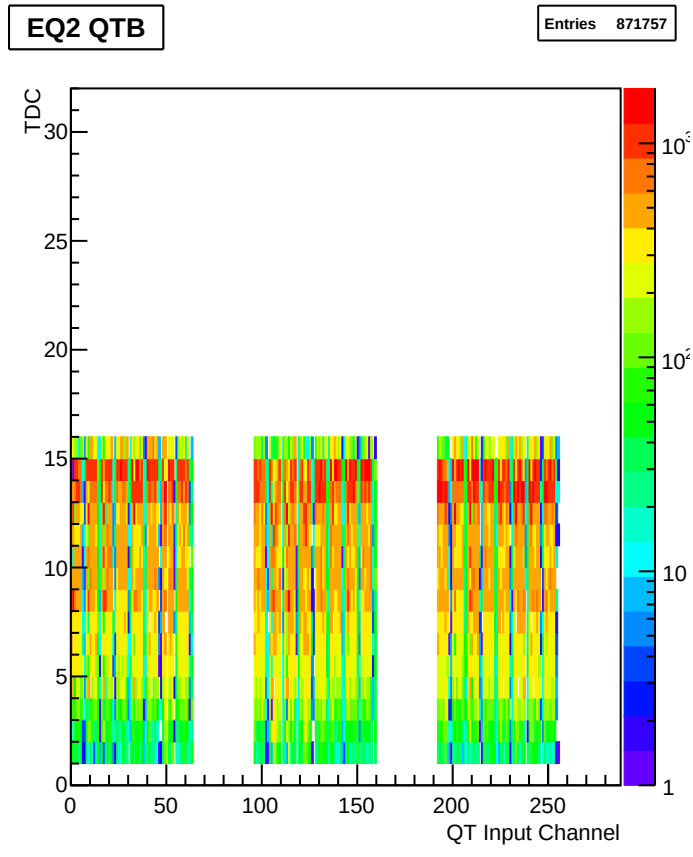

EQ1 QTB
Entries 2841984
ADC
QT Input Channel

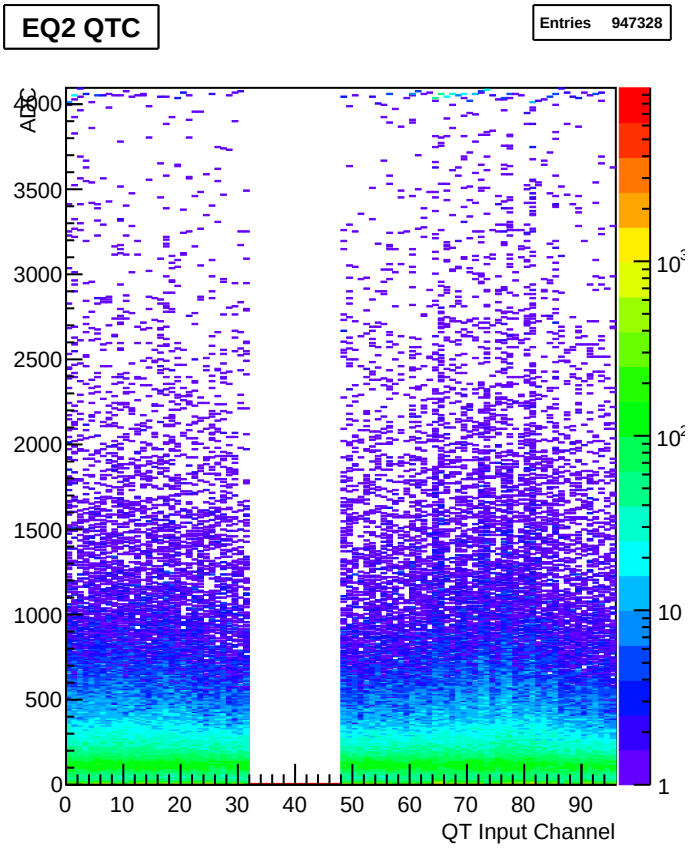

EQ1 QTB
Entries 866861
TDC
QT Input Channel

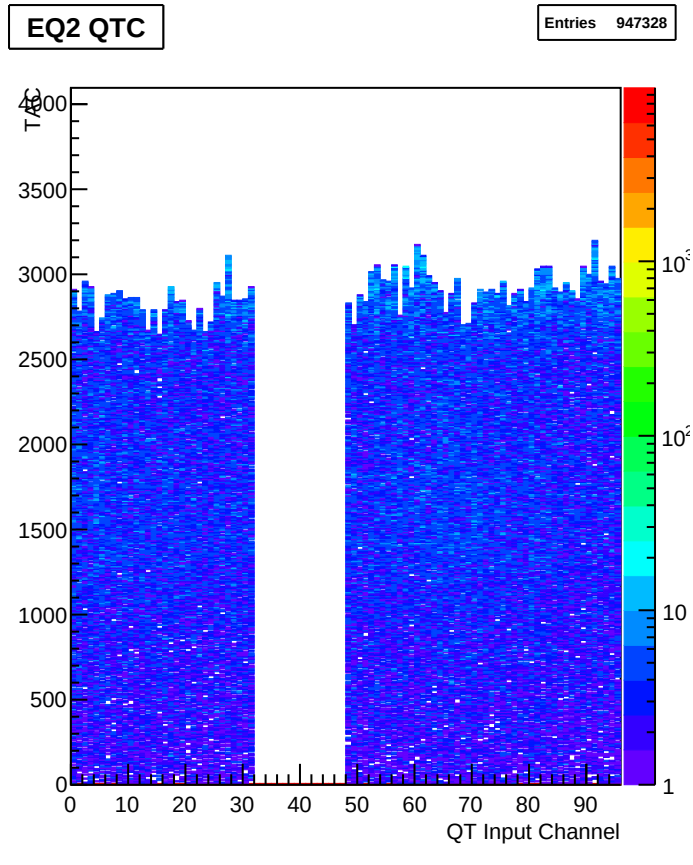

EQ1 QTC
Entries 947328
ADC
QT Input Channel

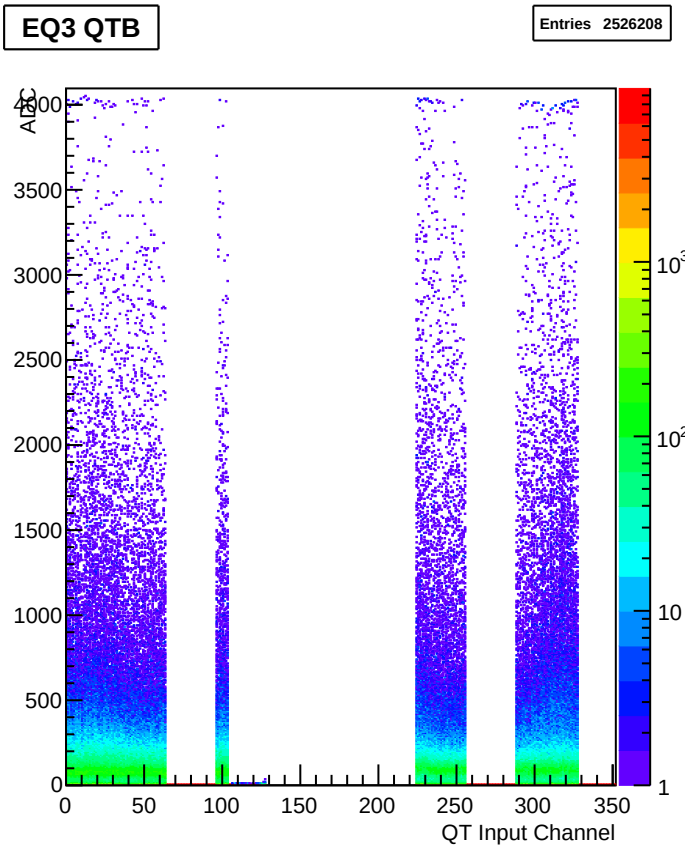

EQ1 QTC
Entries 947328
TADC
QT Input Channel

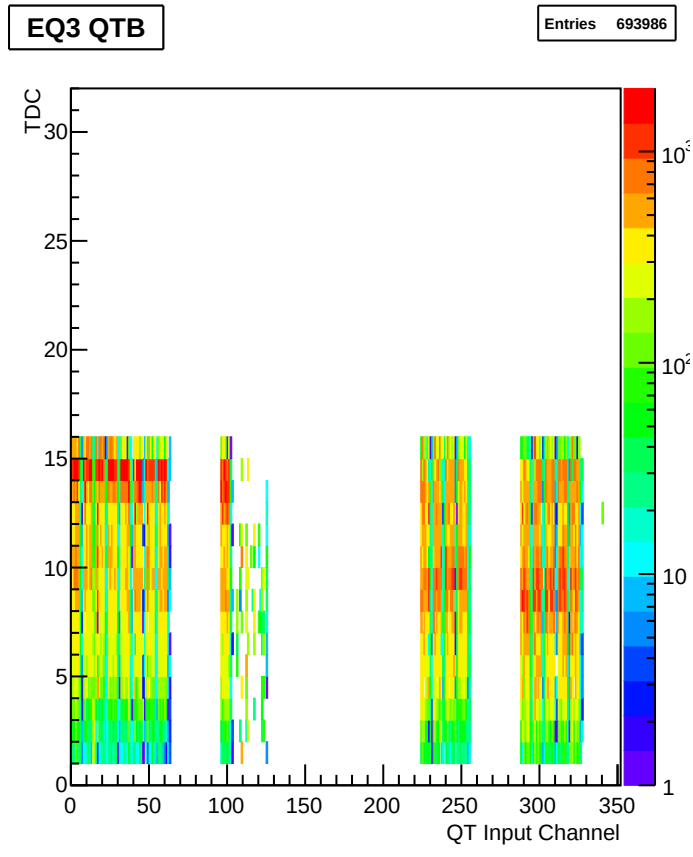

EQ2 QTB
Entries 2841984
ADC
QT Input Channel

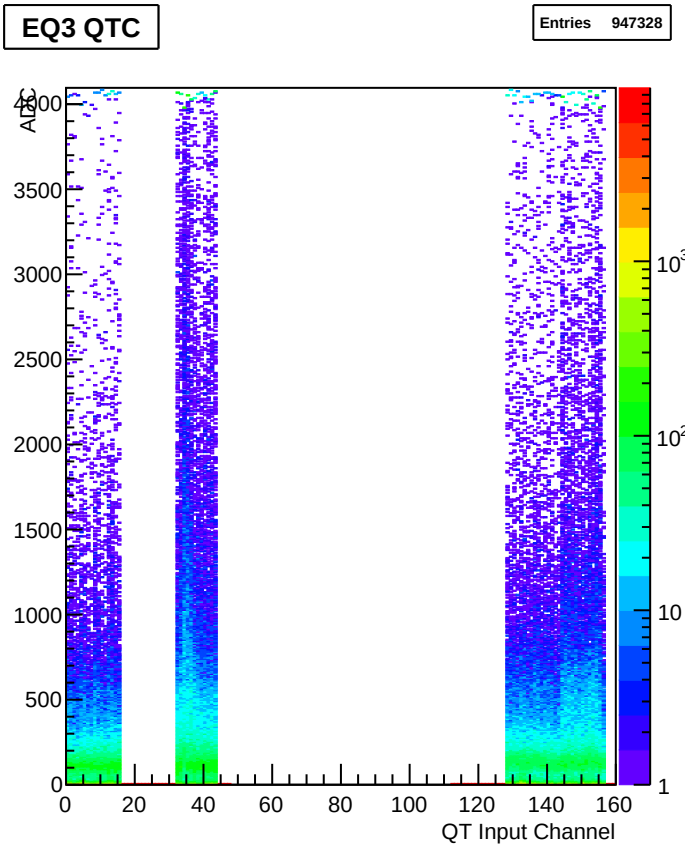

EQ2 QTB
Entries 871757
TDC
QT Input Channel

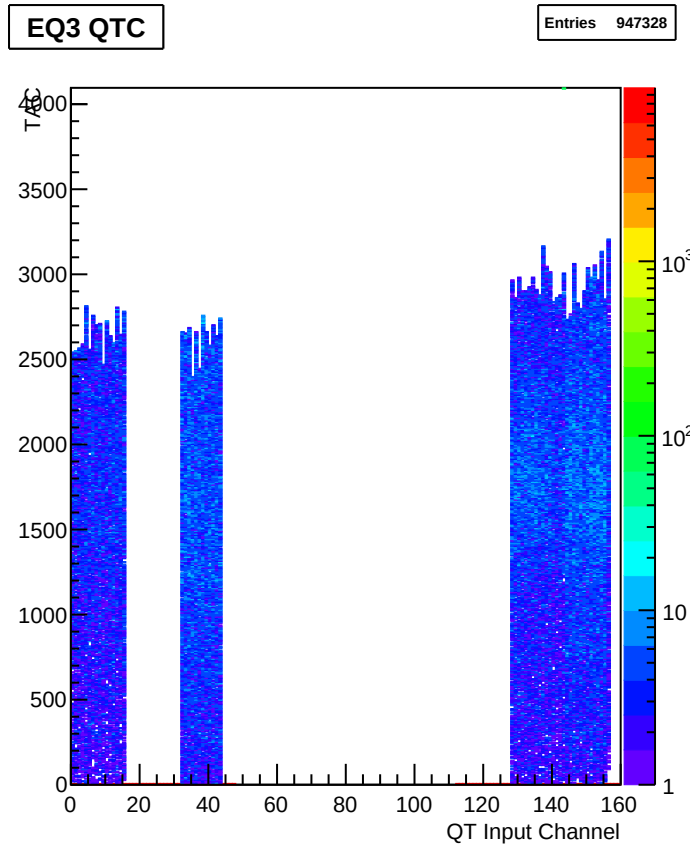

EQ2 QTC
Entries 947328
ADC
QT Input Channel

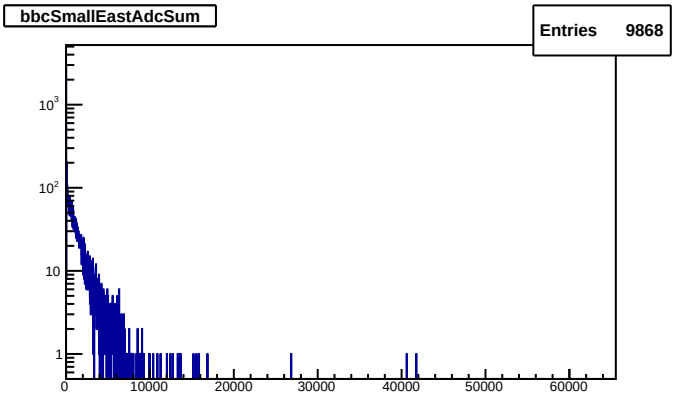

EQ2 QTC
Entries 947328
TADC
QT Input Channel

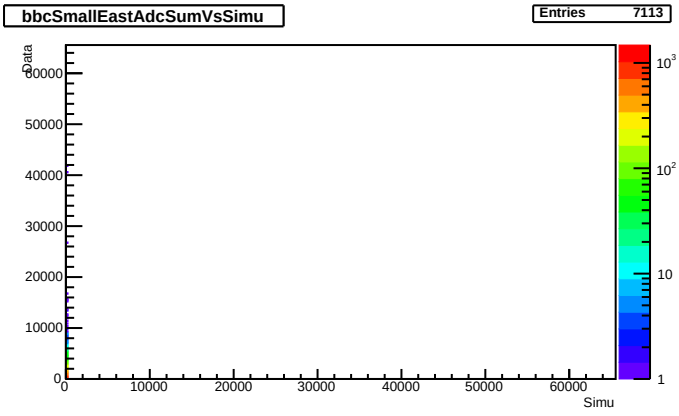

EQ3 QTB
Entries 2526208
ADC
QT Input Channel

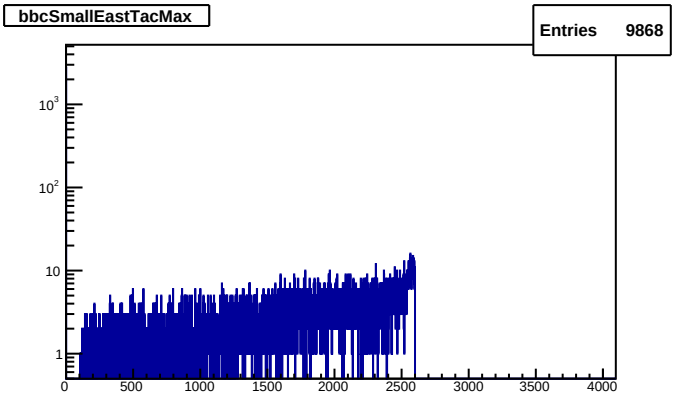

EQ3 QTB
Entries 693986
TDC
QT Input Channel

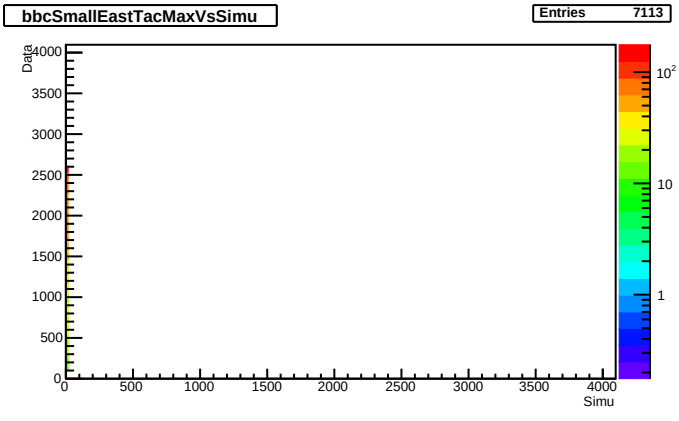

EQ3 QTC
Entries 947328
ADC
QT Input Channel

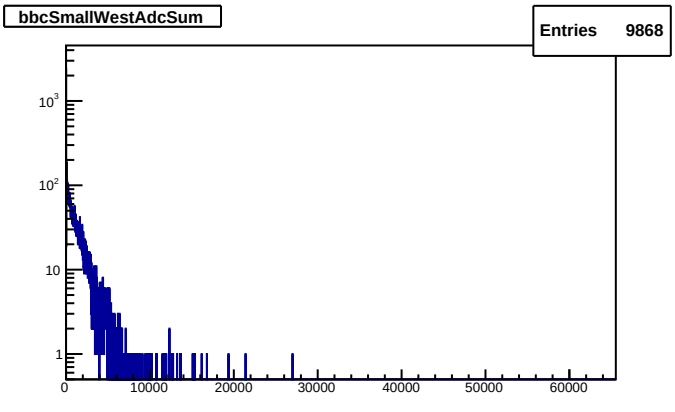

EQ3 QTC
Entries 947328
TADC
QT Input Channel

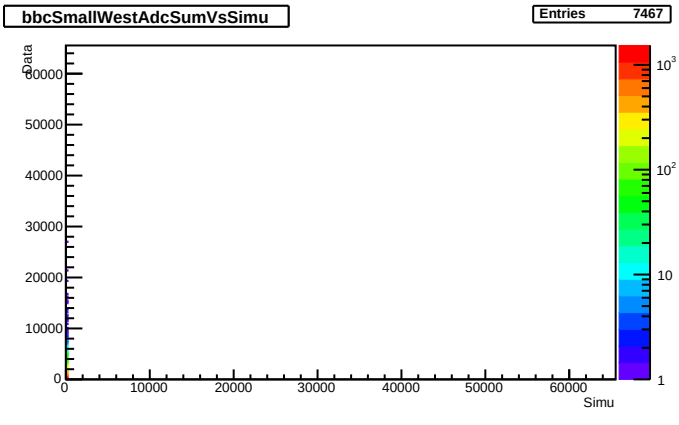

bbcSmallEastAdcSum
Entries 9868

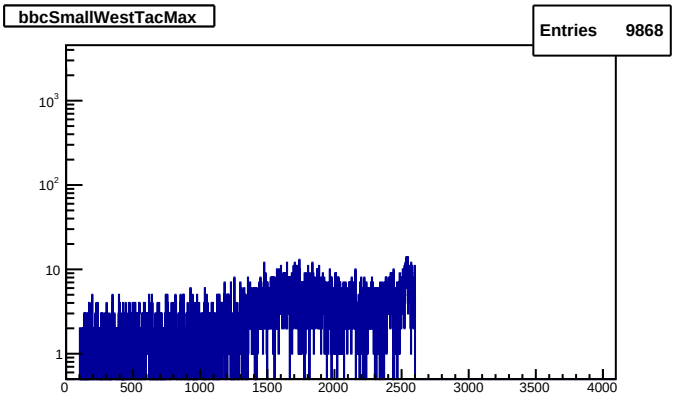

bbcSmallEastAdcSumVsSimu
Entries 7113
Data
Simu

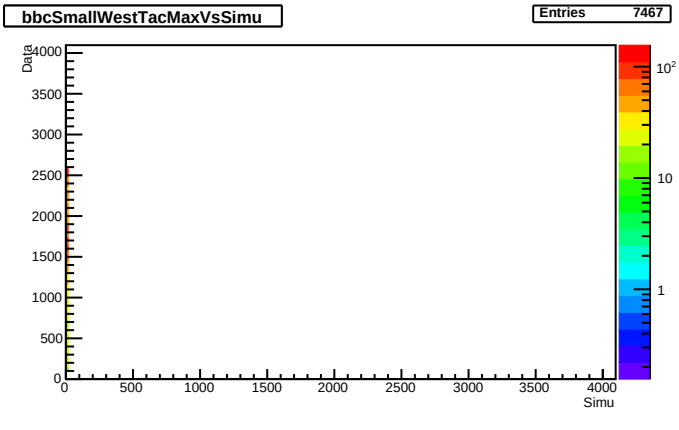

bbcSmallEastTacMax
Entries 9868

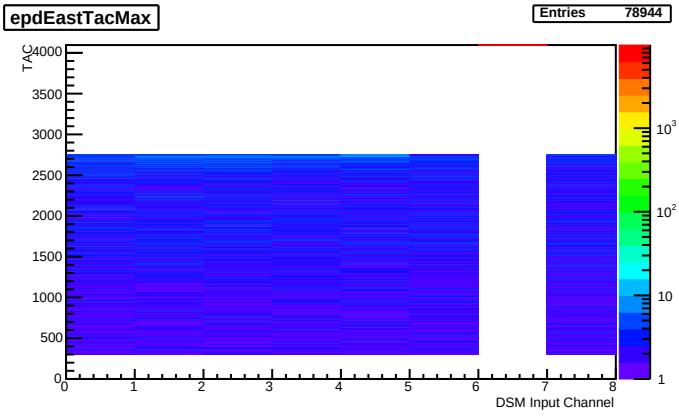

bbcSmallEastTacMaxVsSimu
Entries 7113
Data
Simu

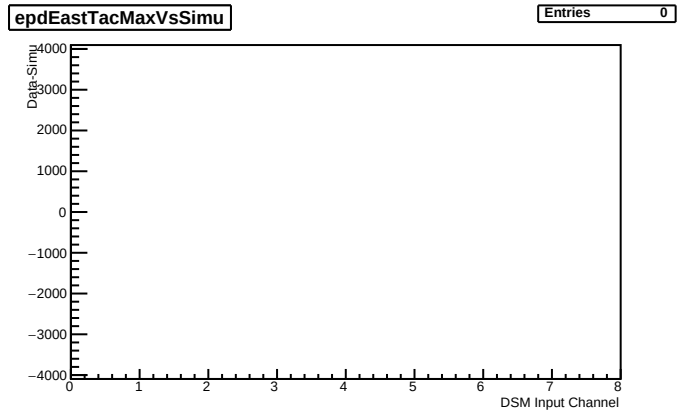

bbcSmallWestAdcSum
Entries 9868

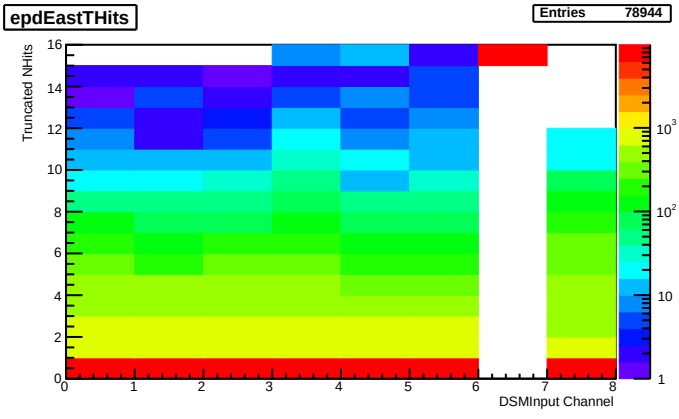

bbcSmallWestAdcSumVsSimu
Entries 7467
Data
Simu

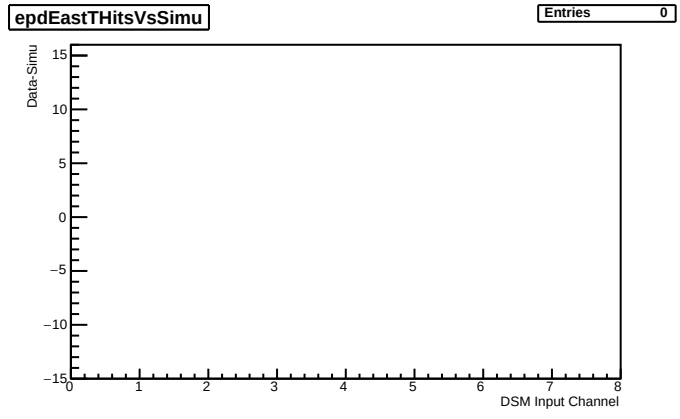

bbcSmallWestTacMax
Entries 9868

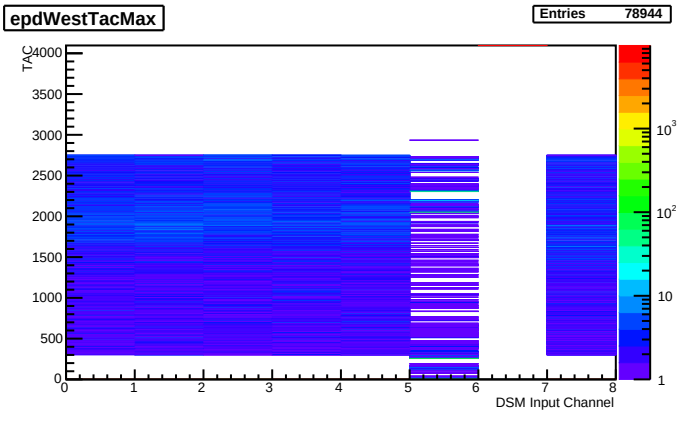

bbcSmallWestTacMaxVsSimu
Entries 7467
Data
Simu

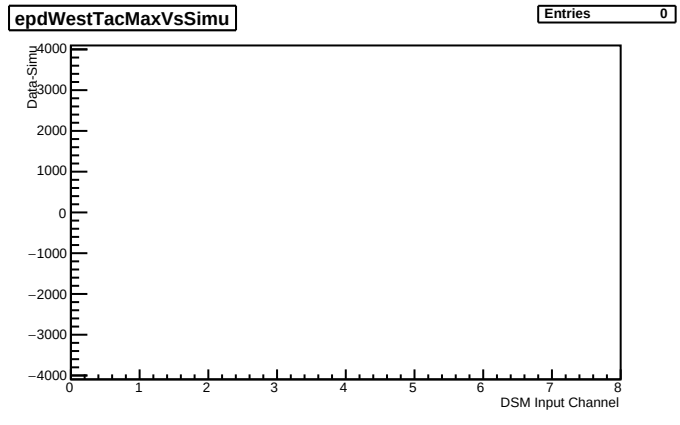

epdEastTacMax
Entries 78944
TAC
DSM Input Channel

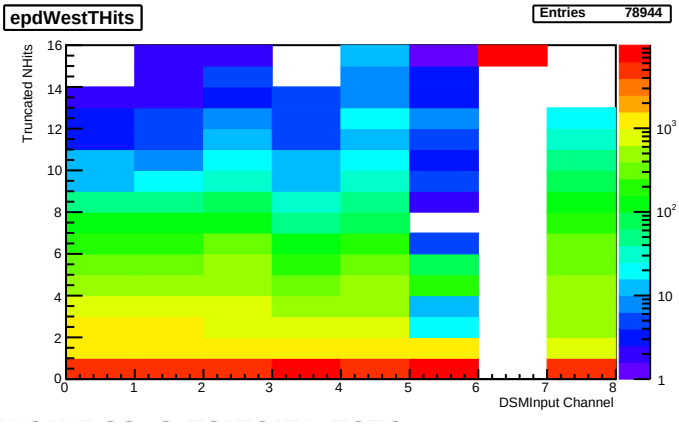

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

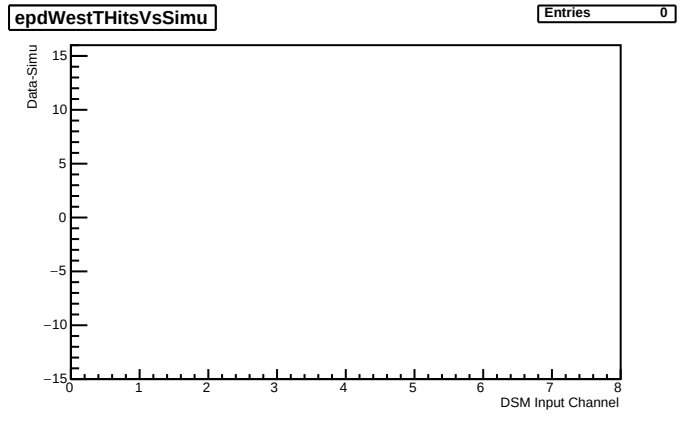

epdEastTHits
Entries 78944
Truncated NHits
DSMInput Channel

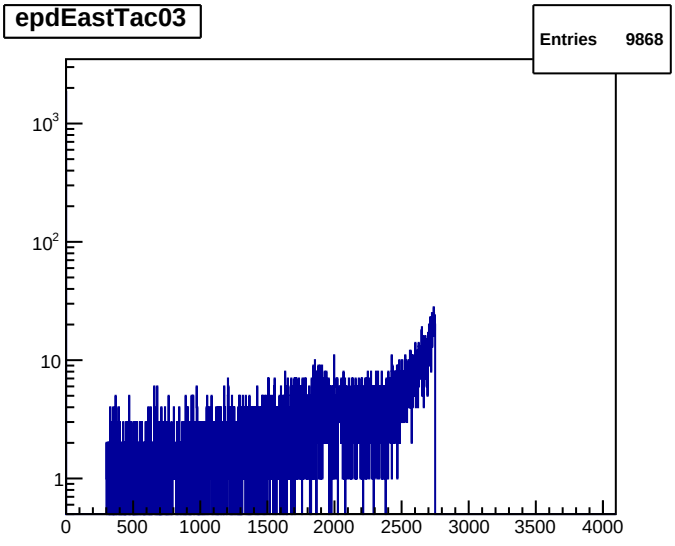

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

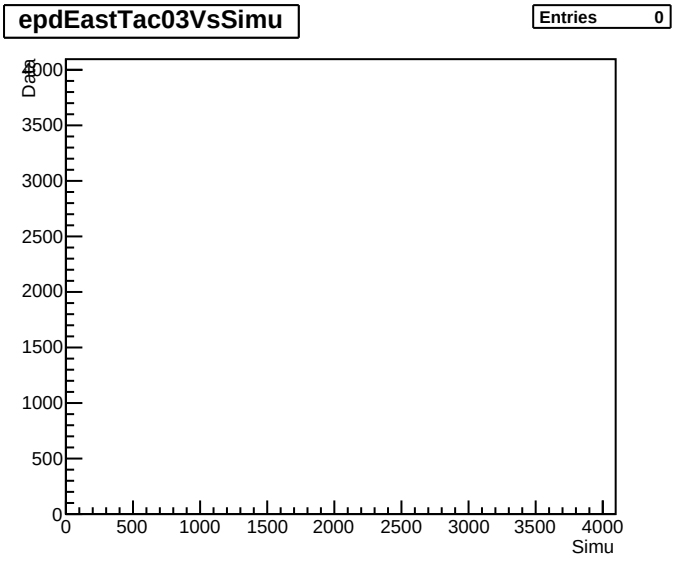

epdWestTacMax
Entries 78944
TAC
DSM Input Channel

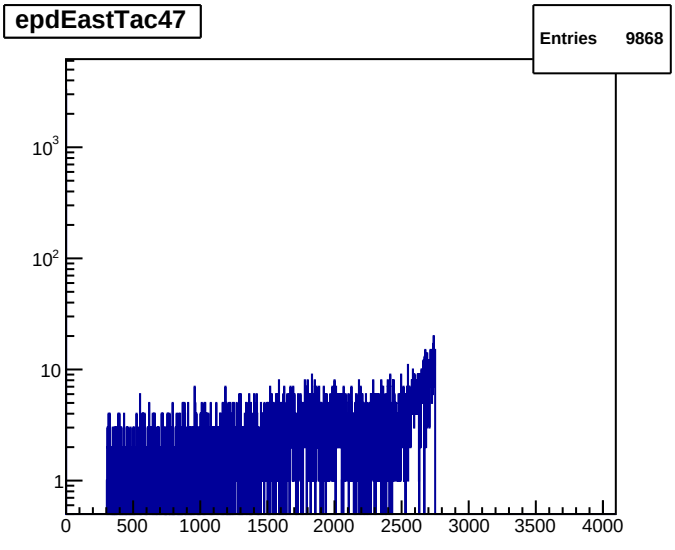

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

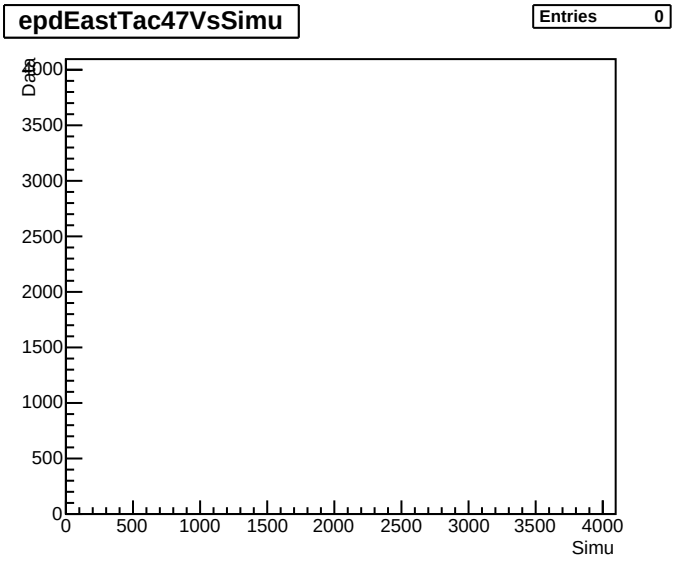

epdWestTHits
Entries 78944
Truncated NHits
DSMInput Channel

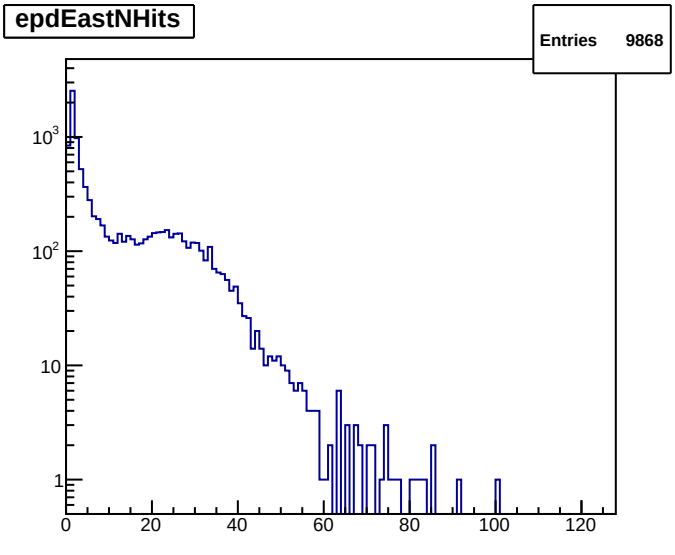

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

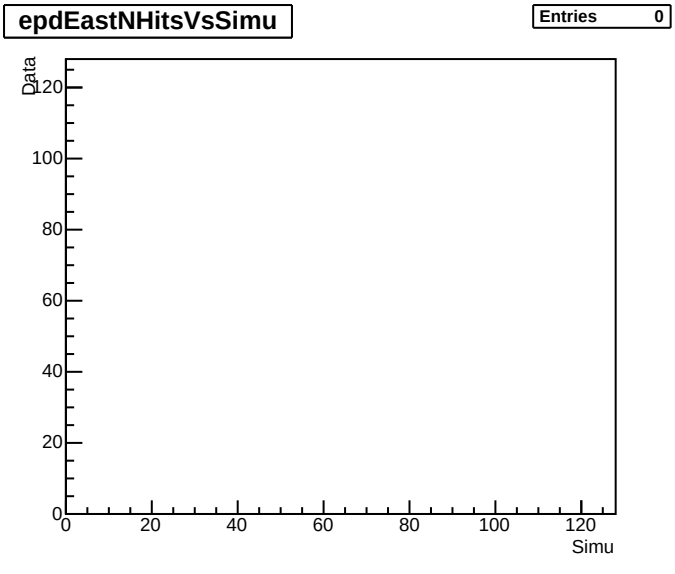

epdEastTac03
Entries 9868

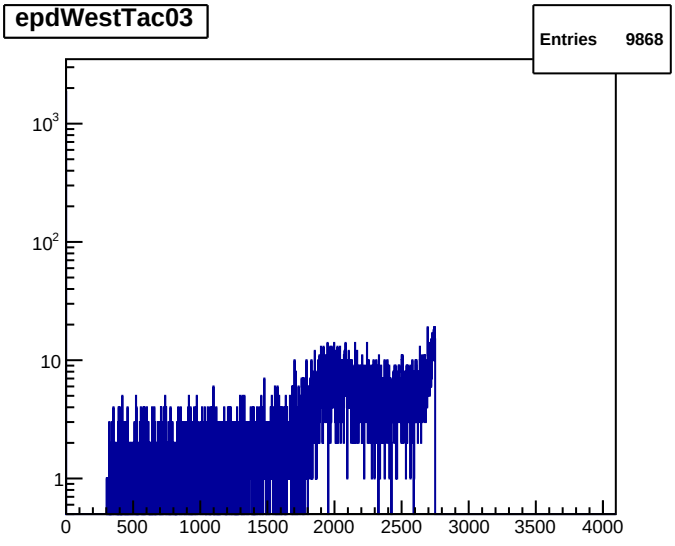

epdEastTac03VsSimu
Entries 0
Data
Simu

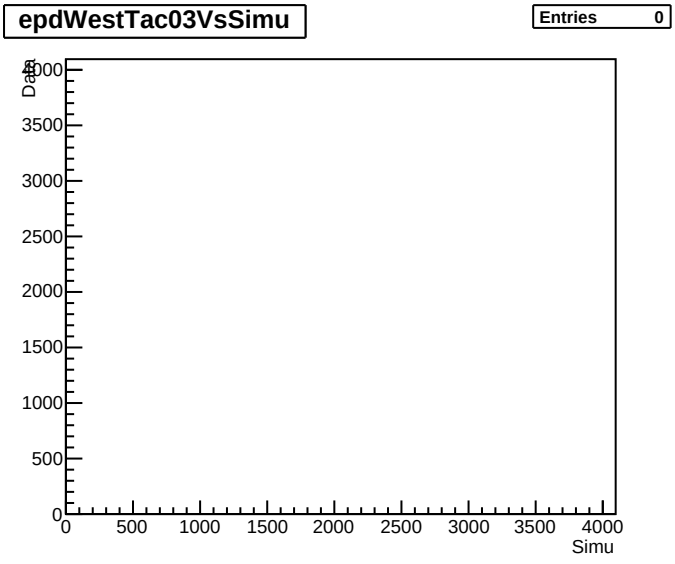

epdEastTac47
Entries 9868

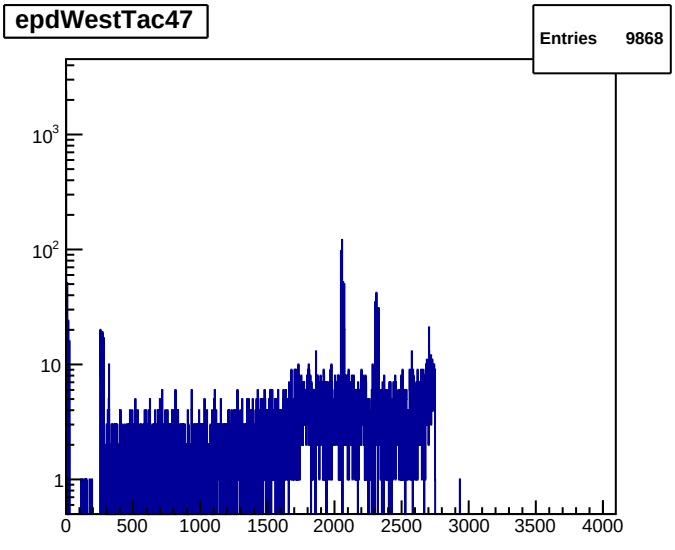

epdEastTac47VsSimu
Entries 0
Data
Simu

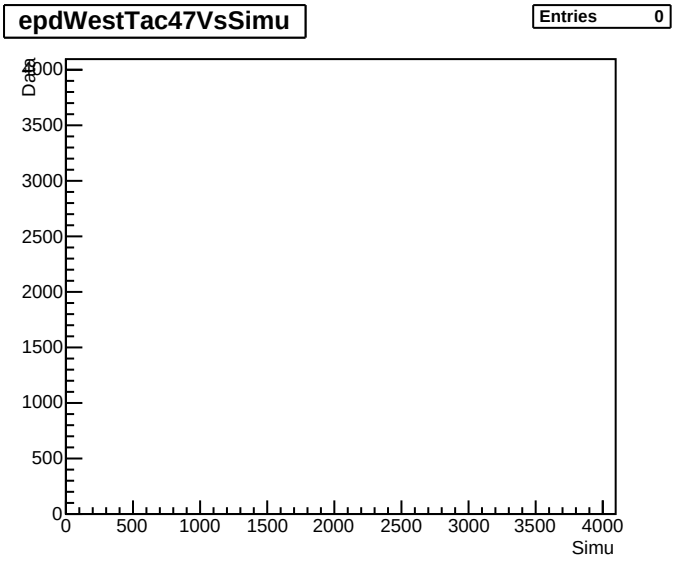

epdEastNHits
Entries 9868

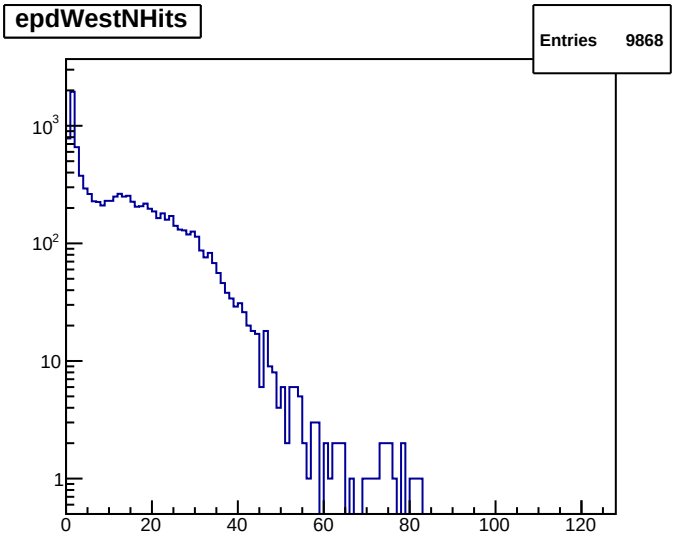

epdEastNHitsVsSimu
Entries 0
Data
Simu

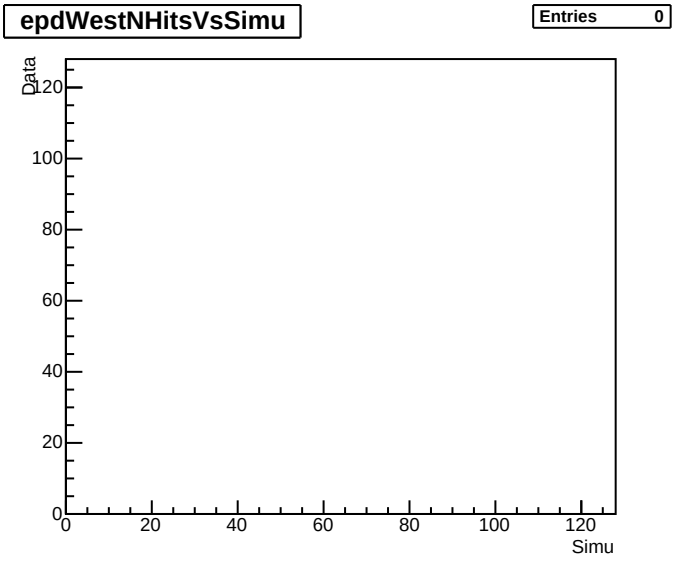

epdWestTac03
Entries 9868
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

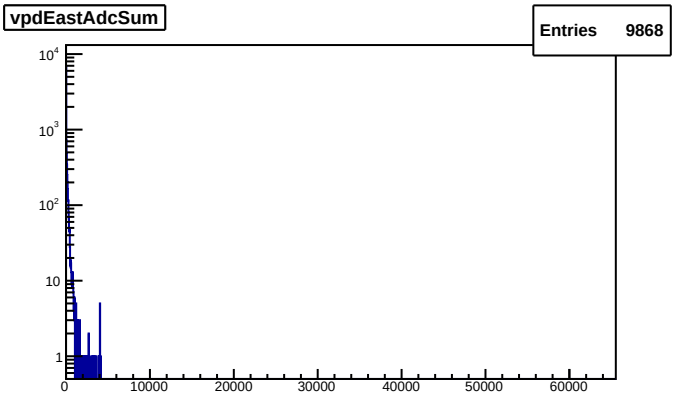

epdWestTac03VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

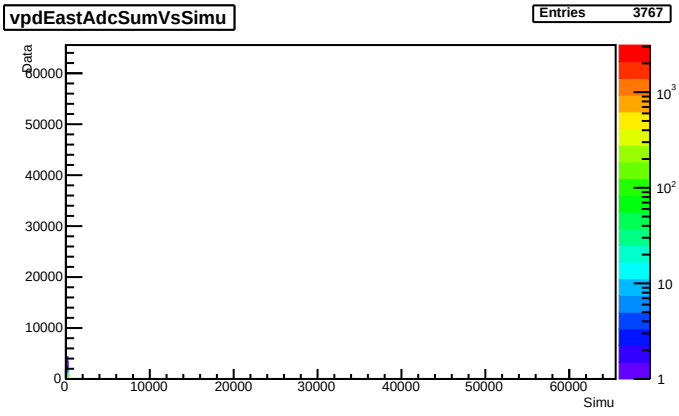

epdWestTac47
Entries 9868
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

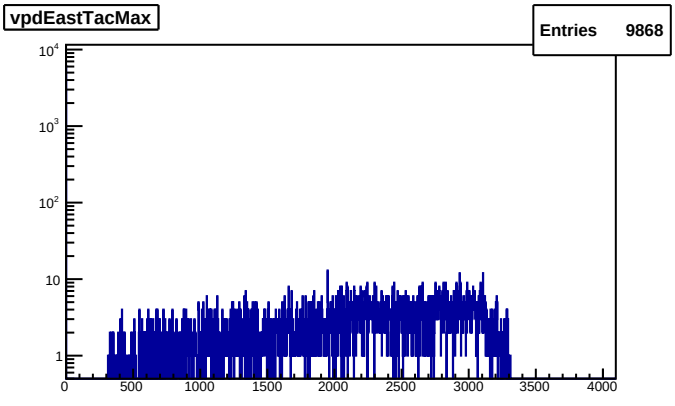

epdWestTac47VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

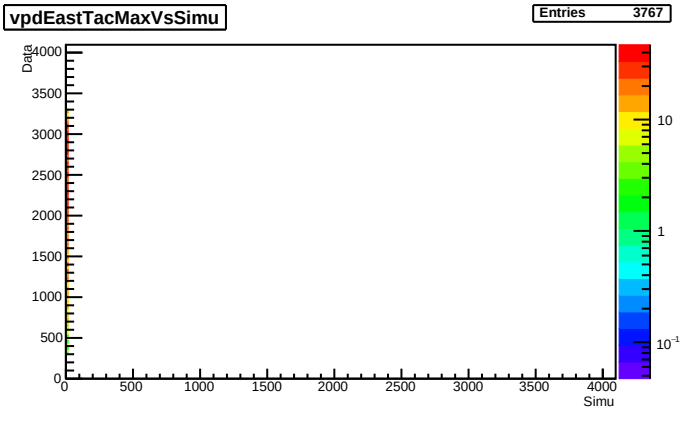

epdWestNHits
Entries 9868
10^3
10^2
10
1
0 20 40 60 80 100 120

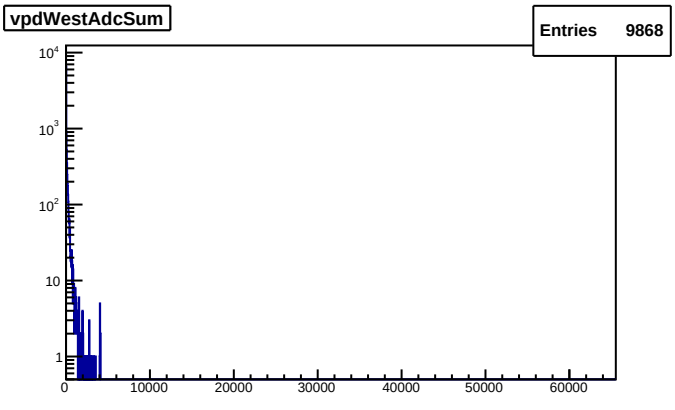

epdWestNHitsVsSimu
Entries 0
Data
120
100
80
60
40
20
0
0 20 40 60 80 100 120
Simu

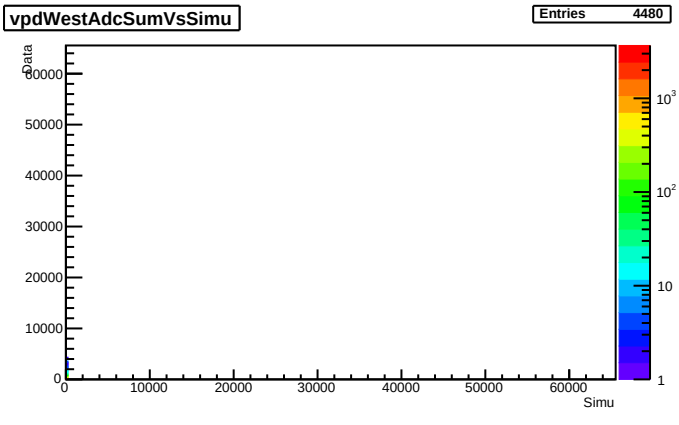

vpdEastAdcSum
Entries 9868

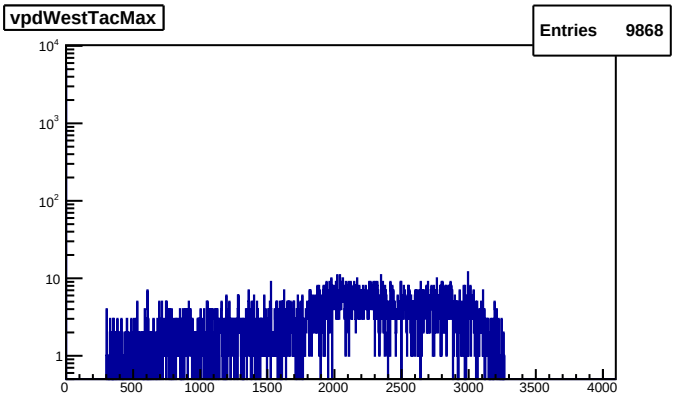

vpdEastAdcSumVsSimu
Entries 3767
Data
Simu

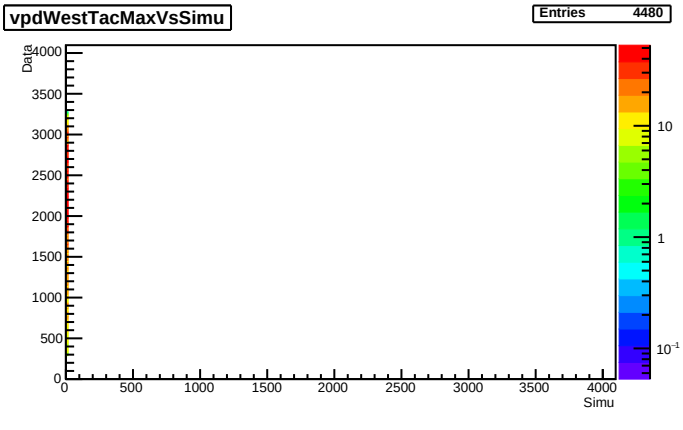

vpdEastTacMax
Entries 9868

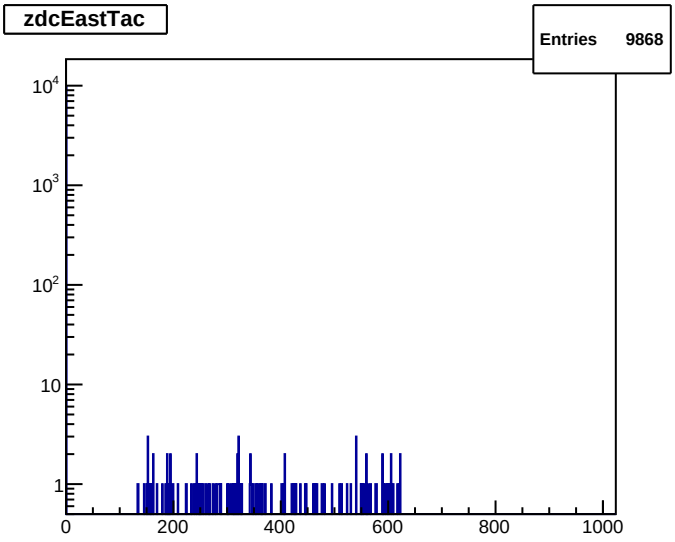

vpdEastTacMaxVsSimu
Entries 3767
Data
Simu

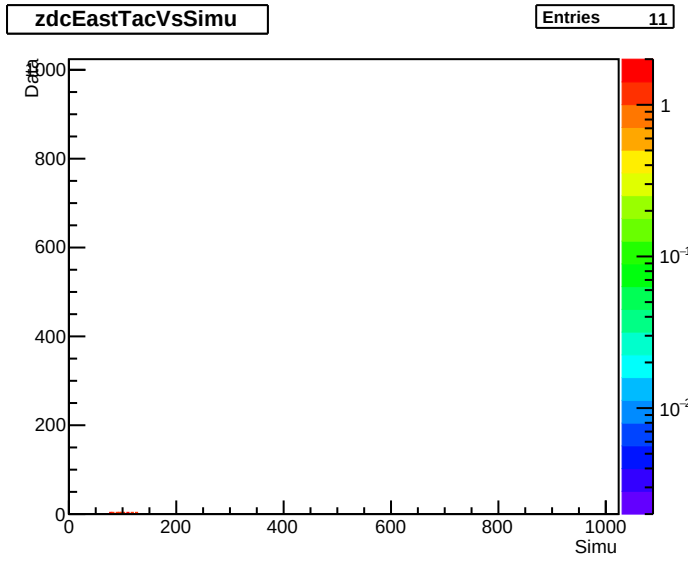

vpdWestAdcSum
Entries 9868

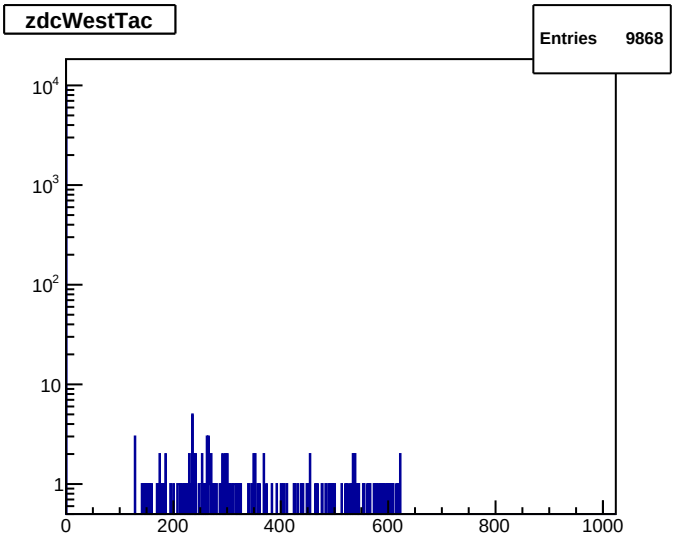

vpdWestAdcSumVsSimu
Entries 4480
Data
Simu

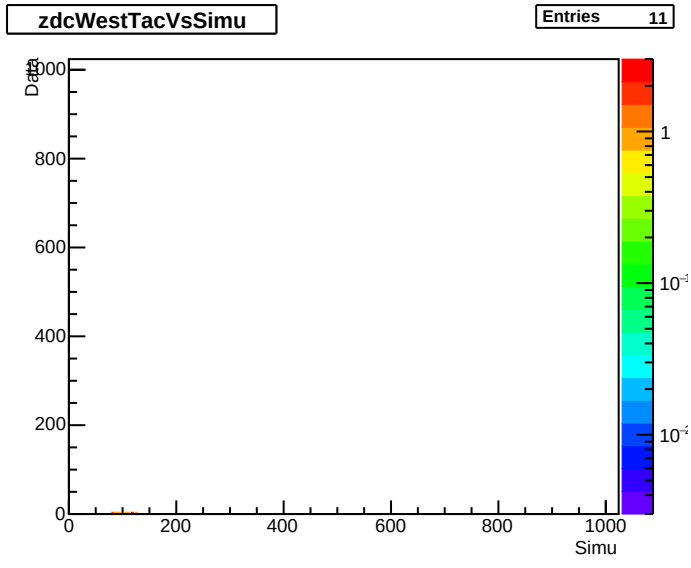

vpdWestTacMax
Entries 9868

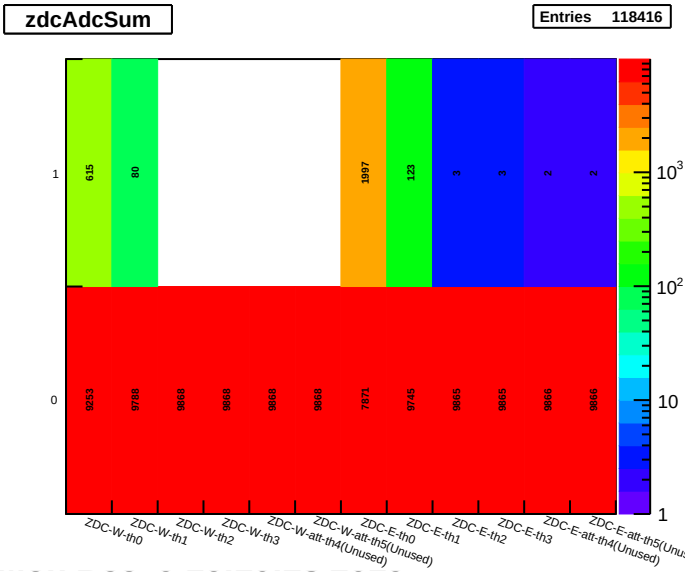

vpdWestTacMaxVsSimu
Entries 4480
Data
Simu

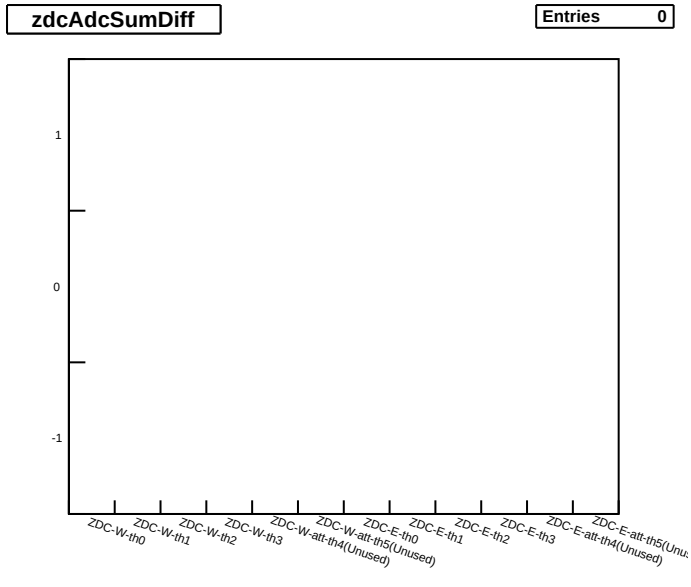

zdcEastTac
Entries 9868

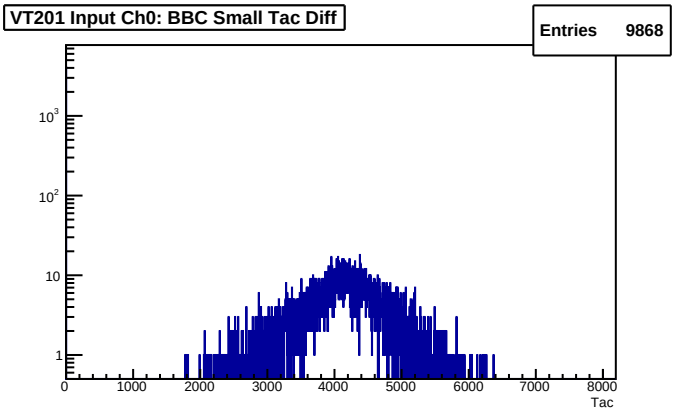

zdcEastTacVsSimu
Entries 11
Data
Simu

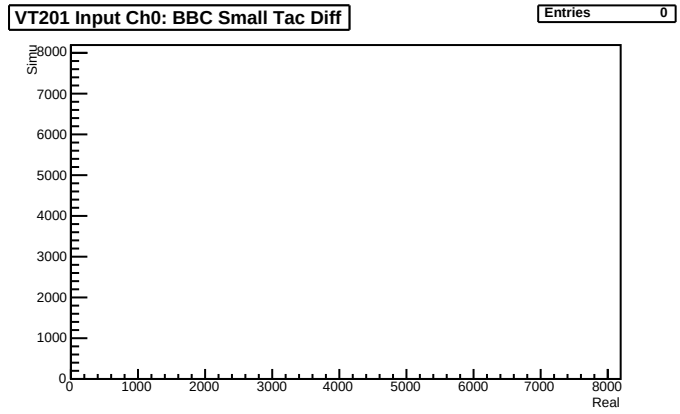

zdcWestTac
Entries 9868

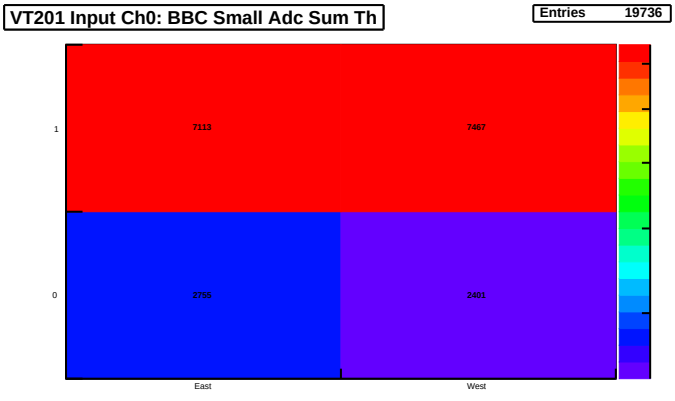

zdcWestTacVsSimu
Entries 11
Data
Simu

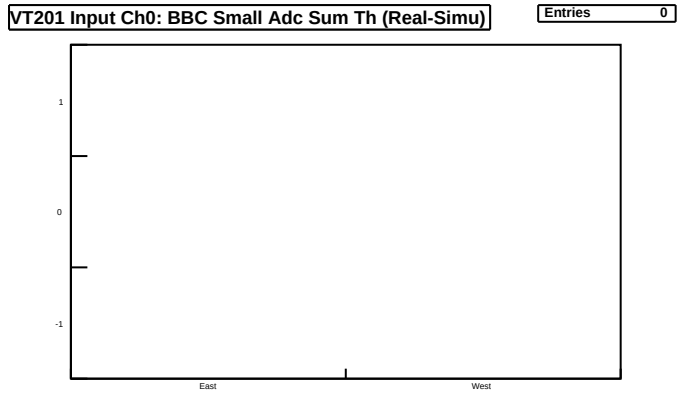

zdcAdcSum
Entries 118416
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

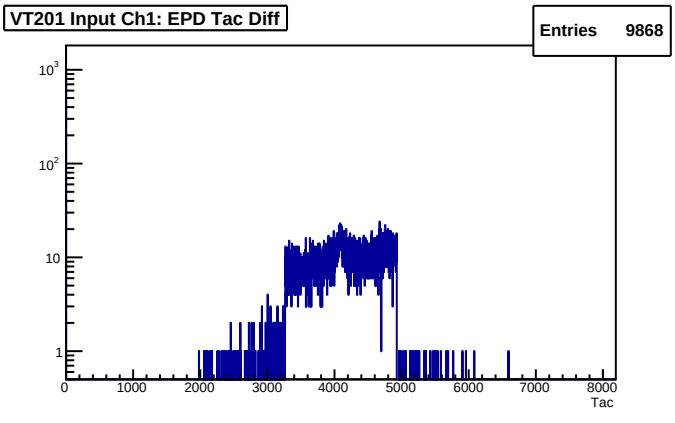

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

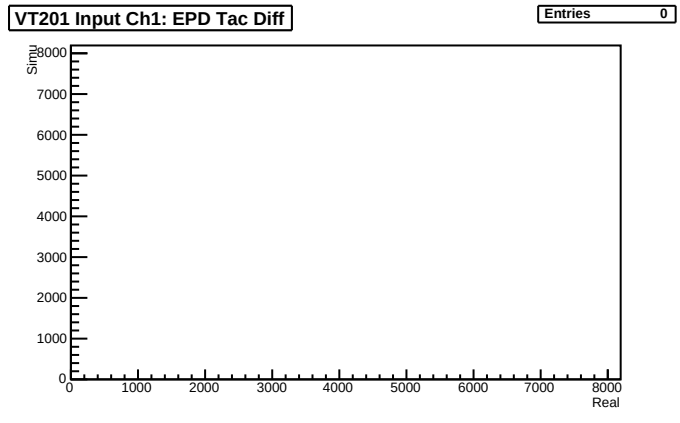

VT201 Input Ch0: BBC Small Tac Diff
Entries 9868
Tac

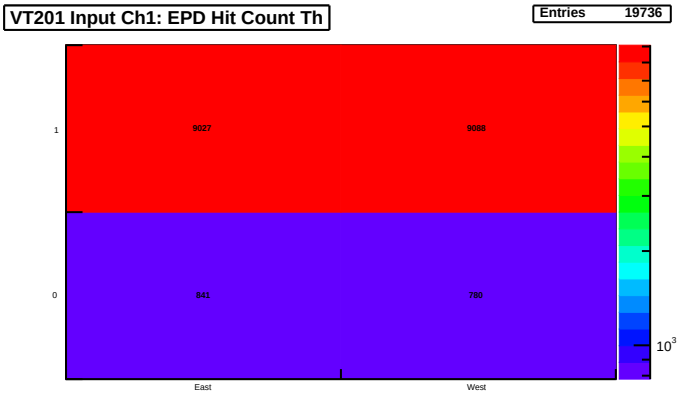

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

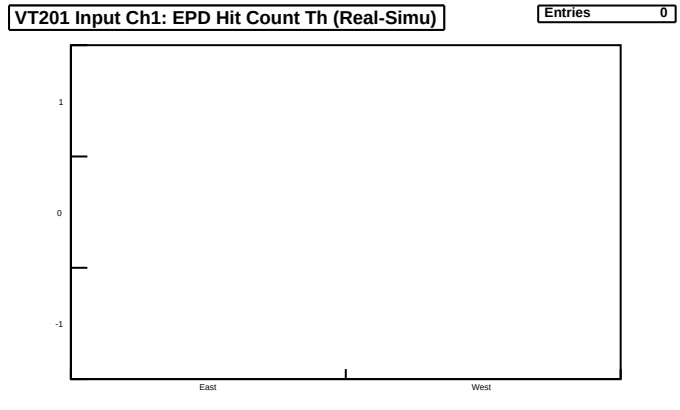

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 19736
7113
7467
2755
2401
East
West

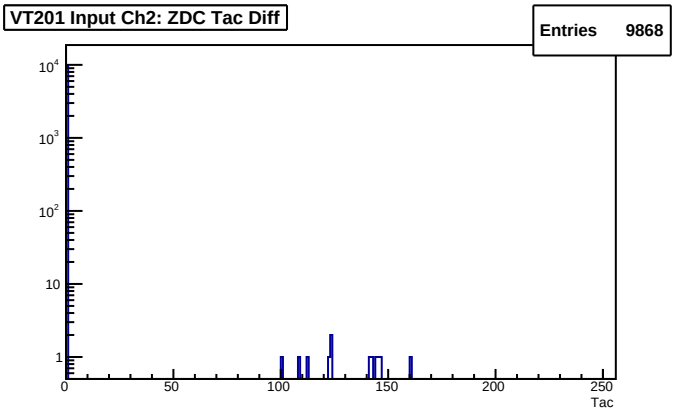

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

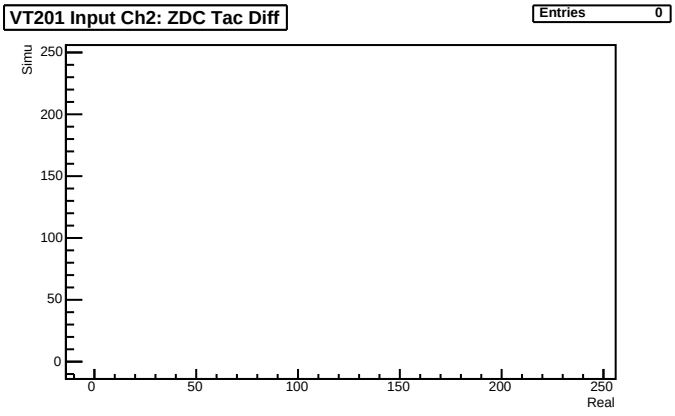

VT201 Input Ch1: EPD Tac Diff
Entries 9868
Tac

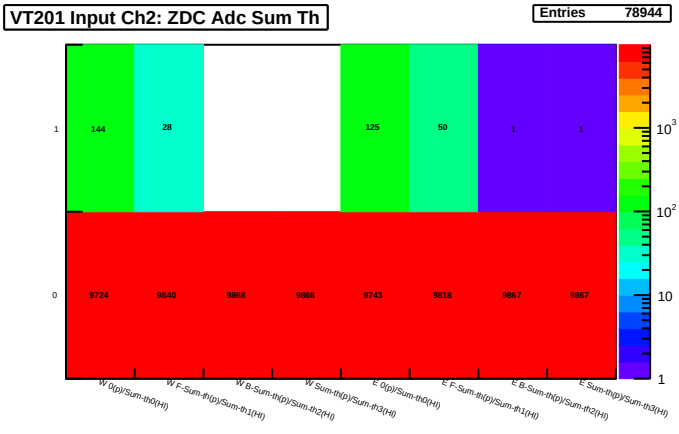

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

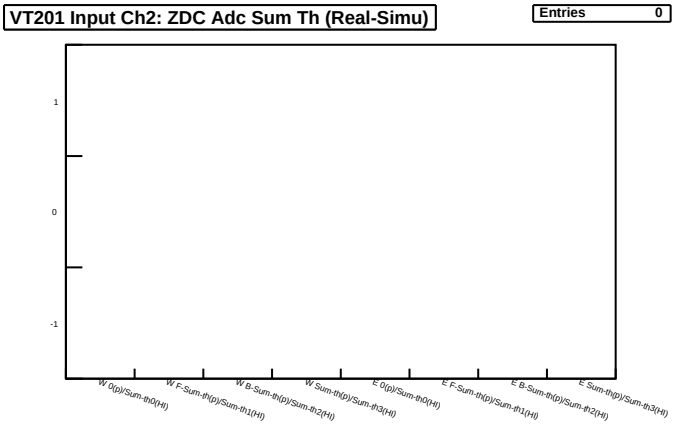

VT201 Input Ch1: EPD Hit Count Th
Entries 19736
9027
9088
841
780
East
West

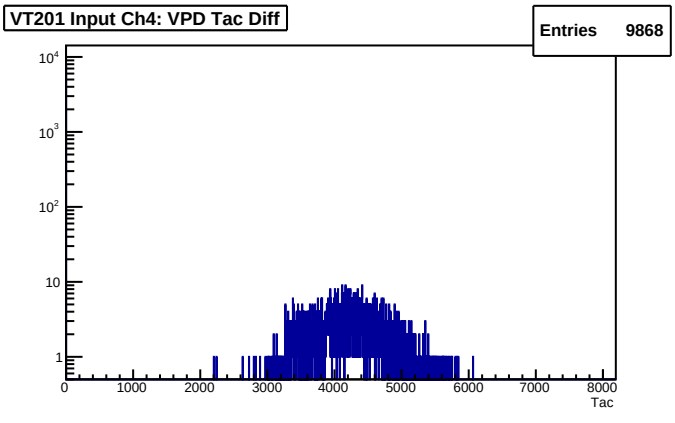

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

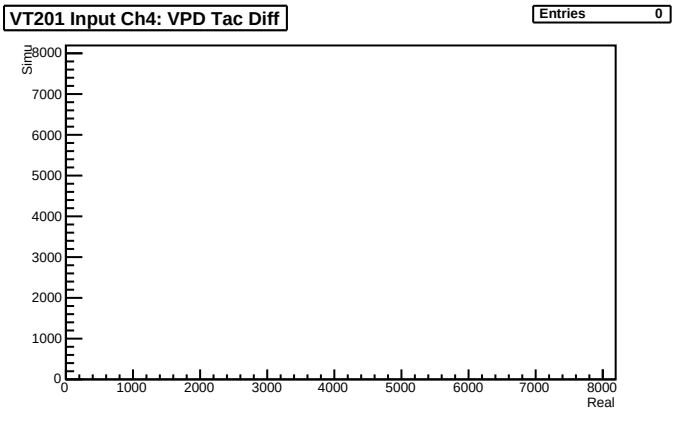

VT201 Input Ch2: ZDC Tac Diff
Entries 9868
Tac

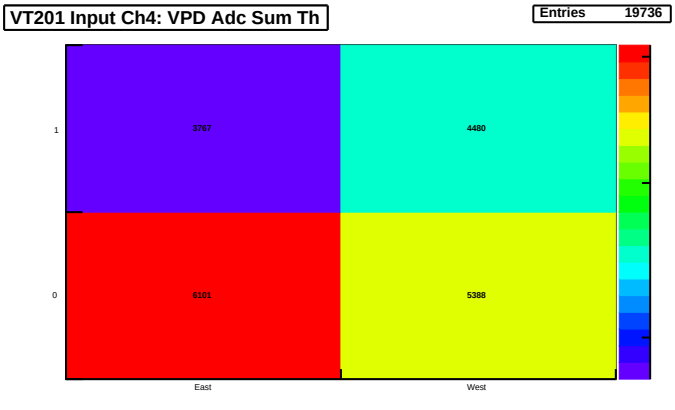

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

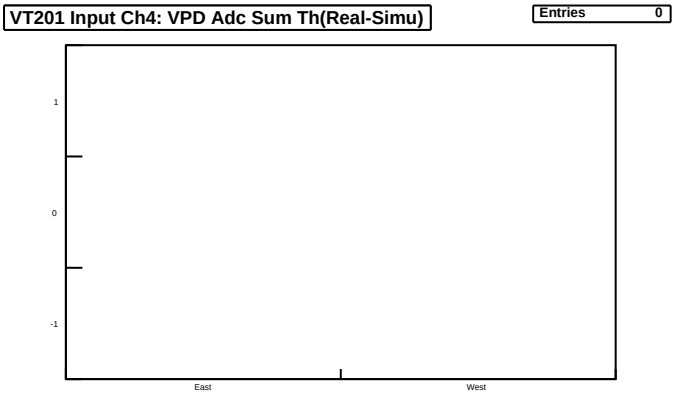

VT201 Input Ch2: ZDC Adc Sum Th
Entries 78944
144
28
125
50
1
1
9724
9840
9868
9868
9743
9818
9867
9867
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

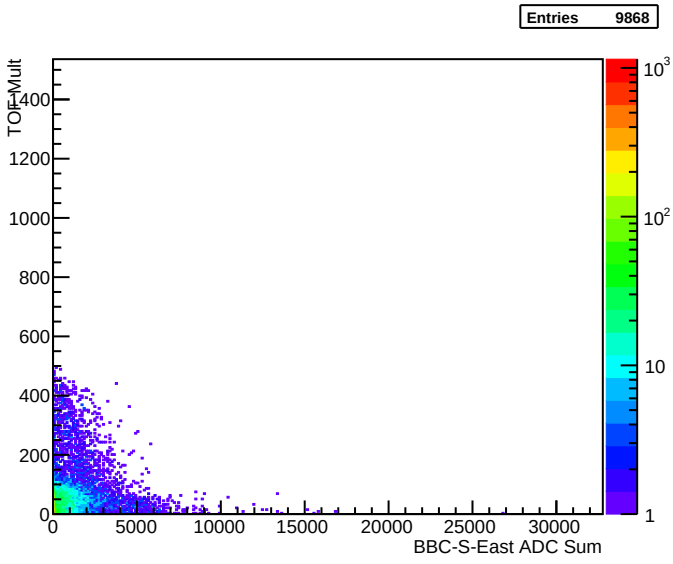

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

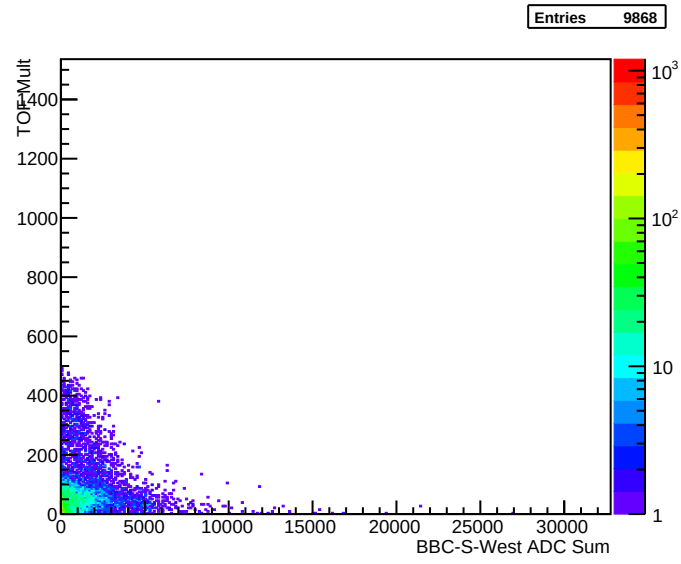

VT201 Input Ch4: VPD Tac Diff
Entries 9868
Tac

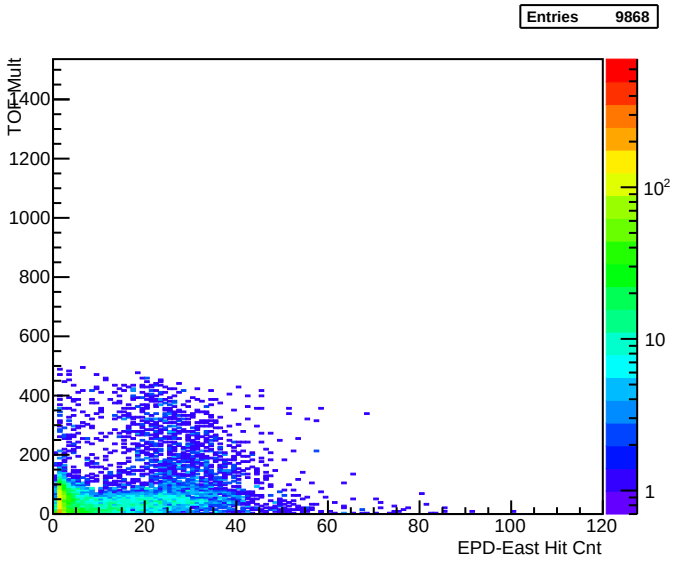

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

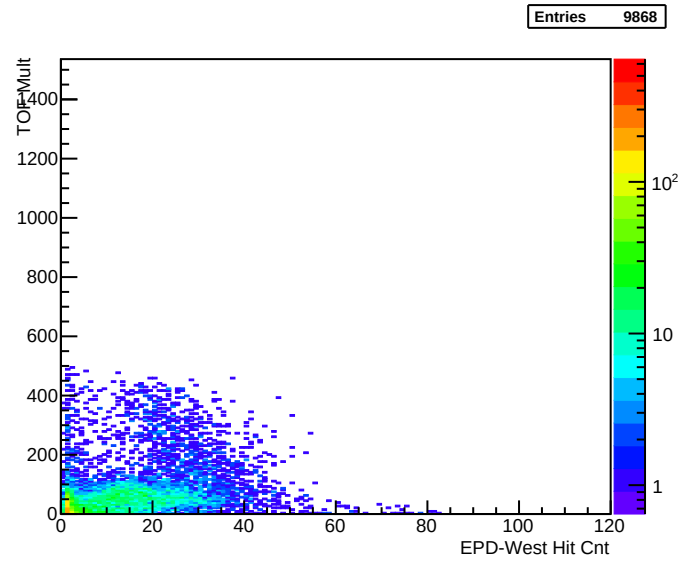

VT201 Input Ch4: VPD Adc Sum Th
Entries 19736
3767
4480
6101
5388
East
West

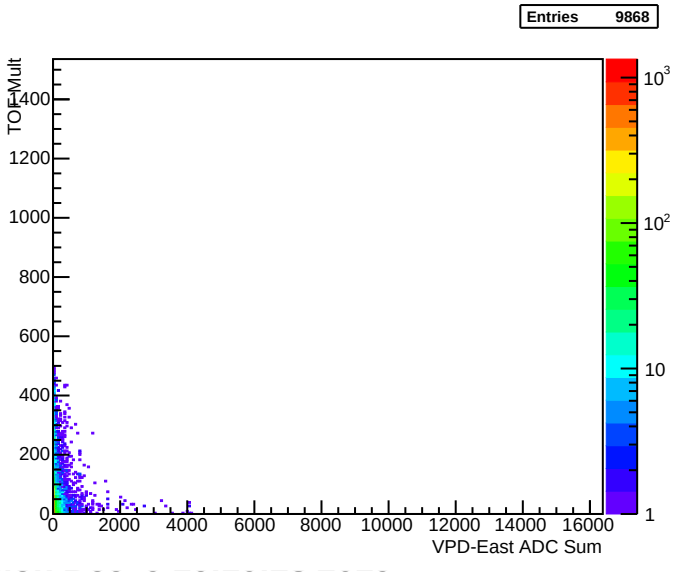

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

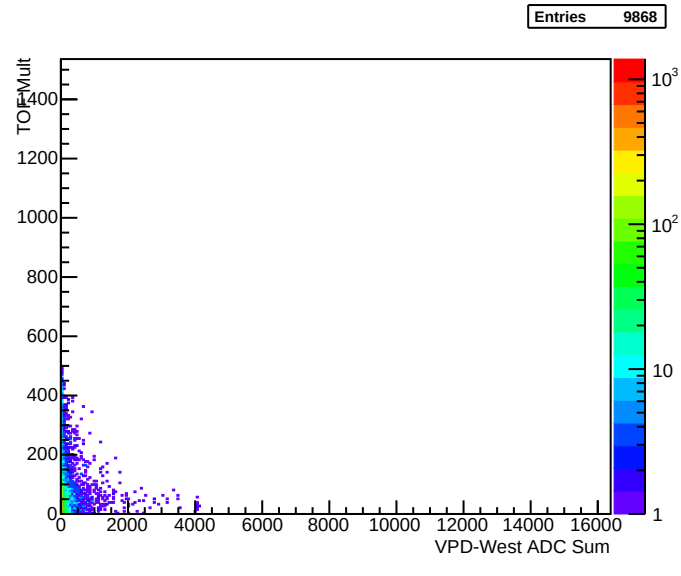

Entries 9868
TOF-Mult
BBC-S-East ADC Sum

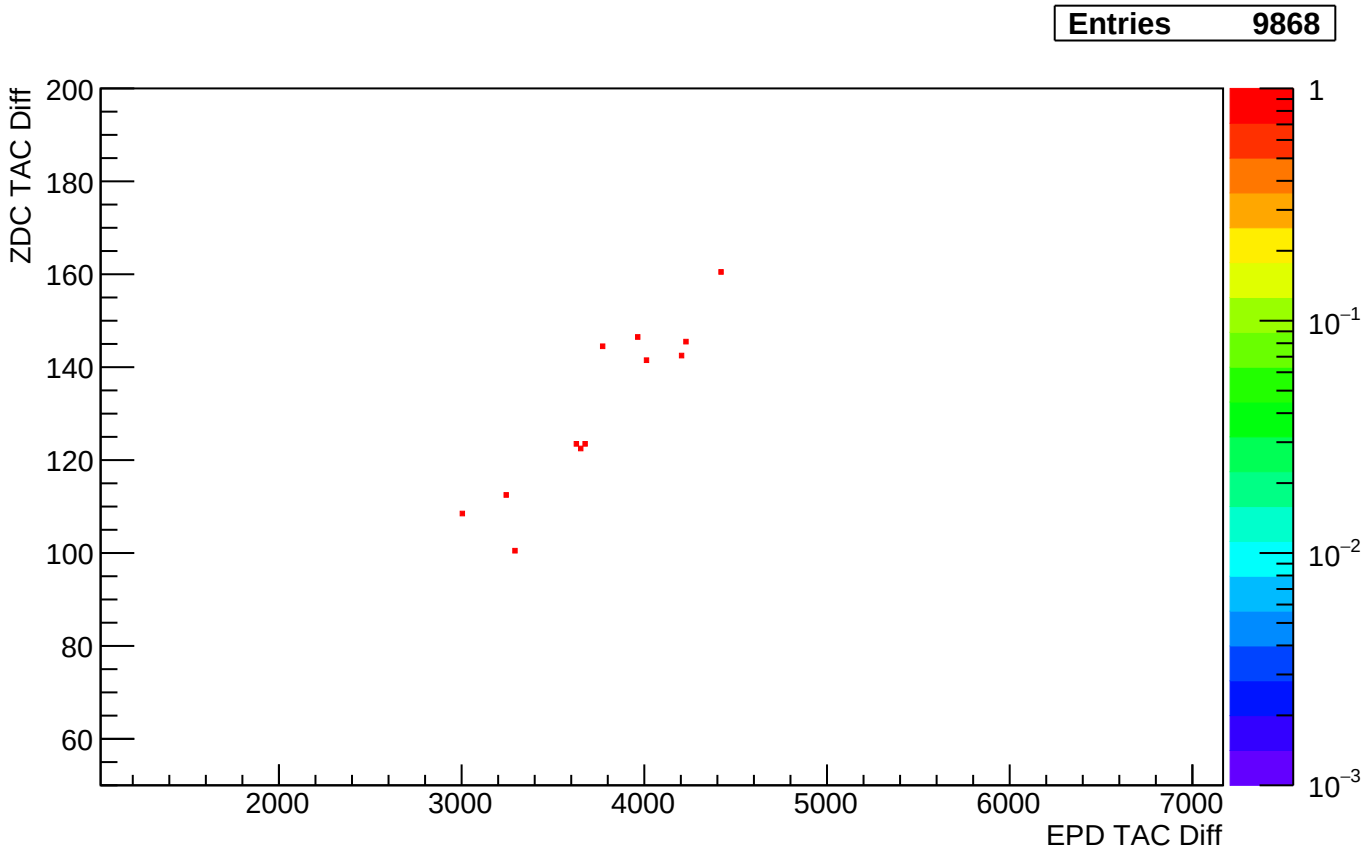

Entries 9868
TOF-Mult
BBC-S-West ADC Sum

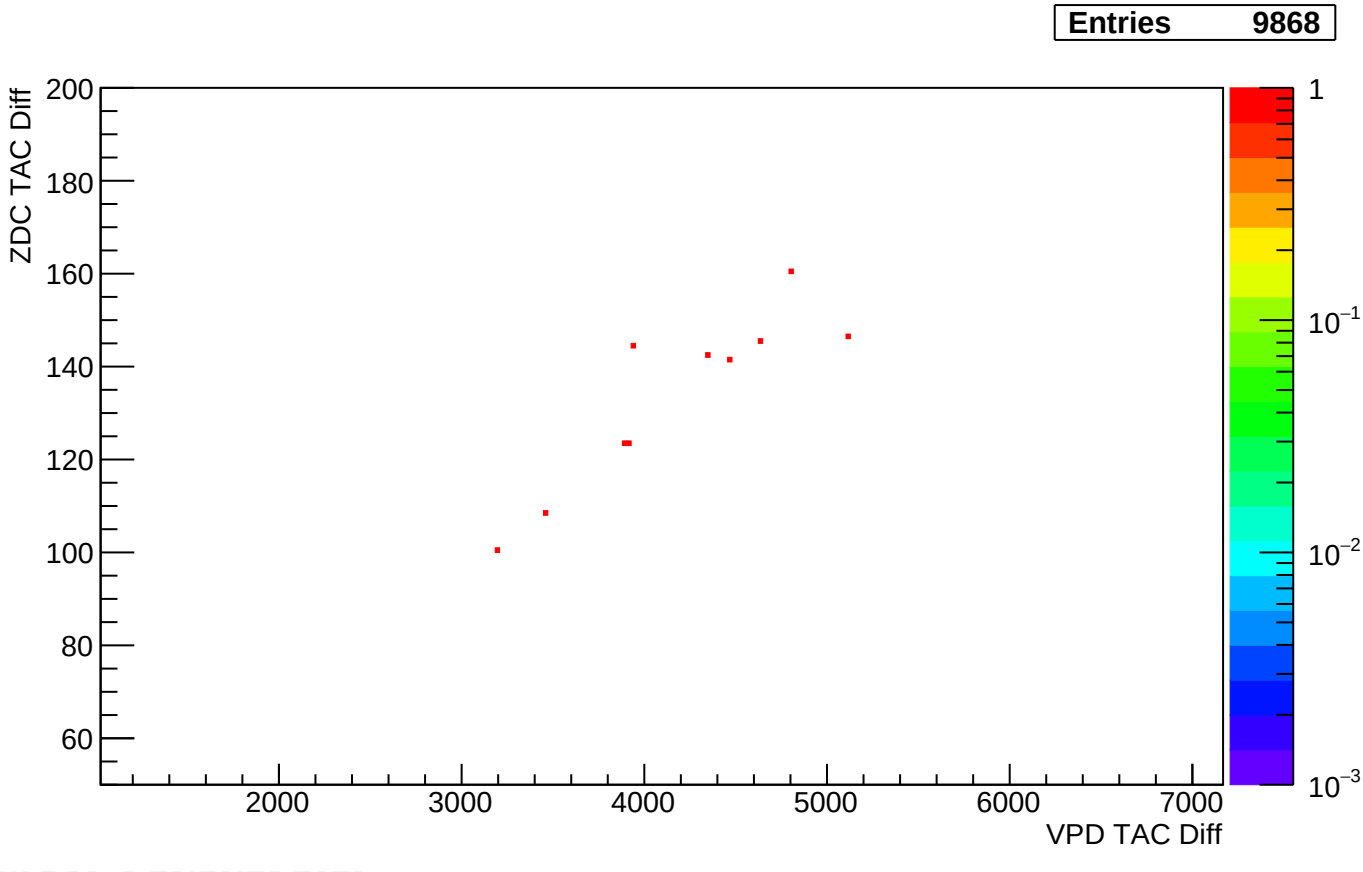

Entries 9868
TOF-Mult
EPD-East Hit Cnt

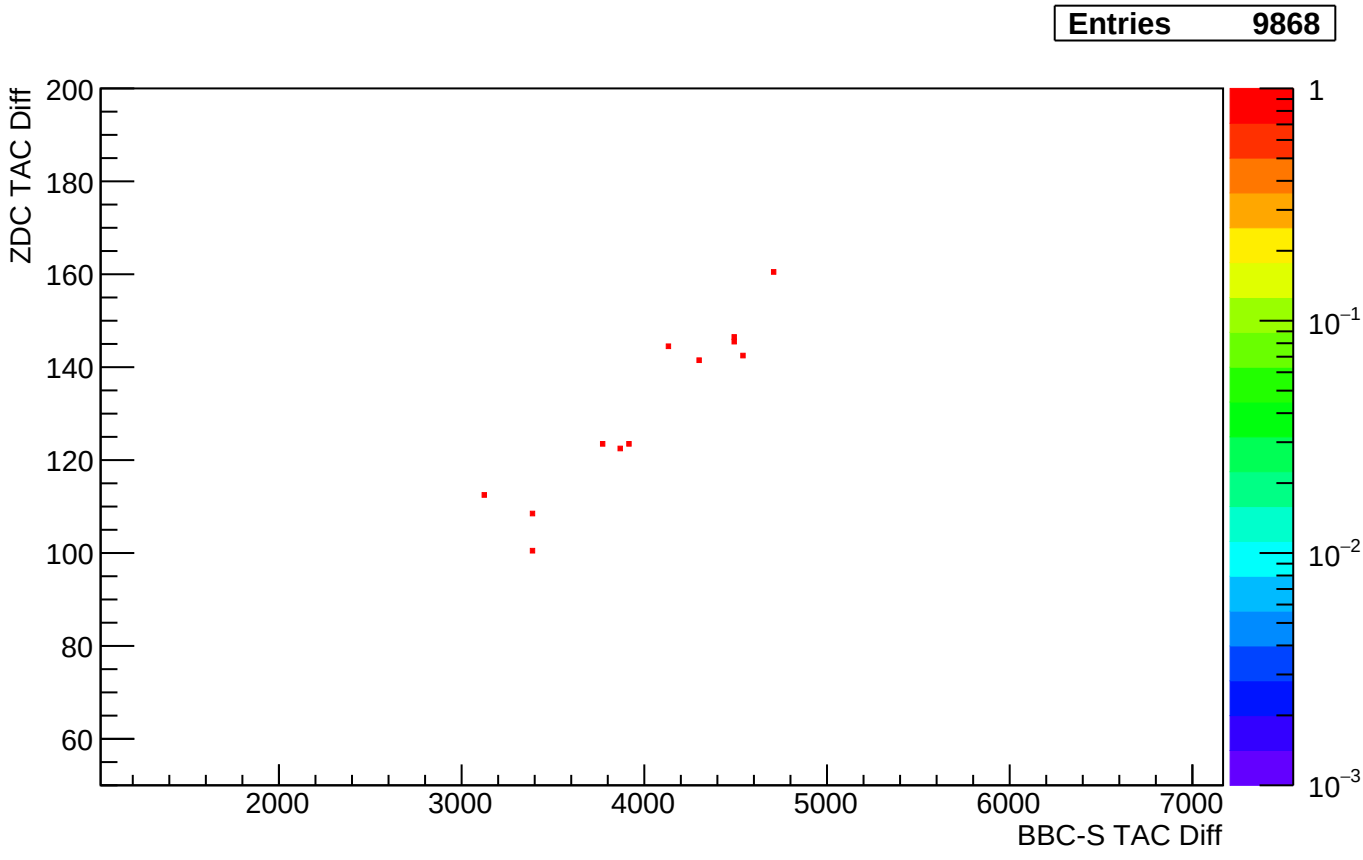

Entries 9868
TOF-Mult
EPD-West Hit Cnt

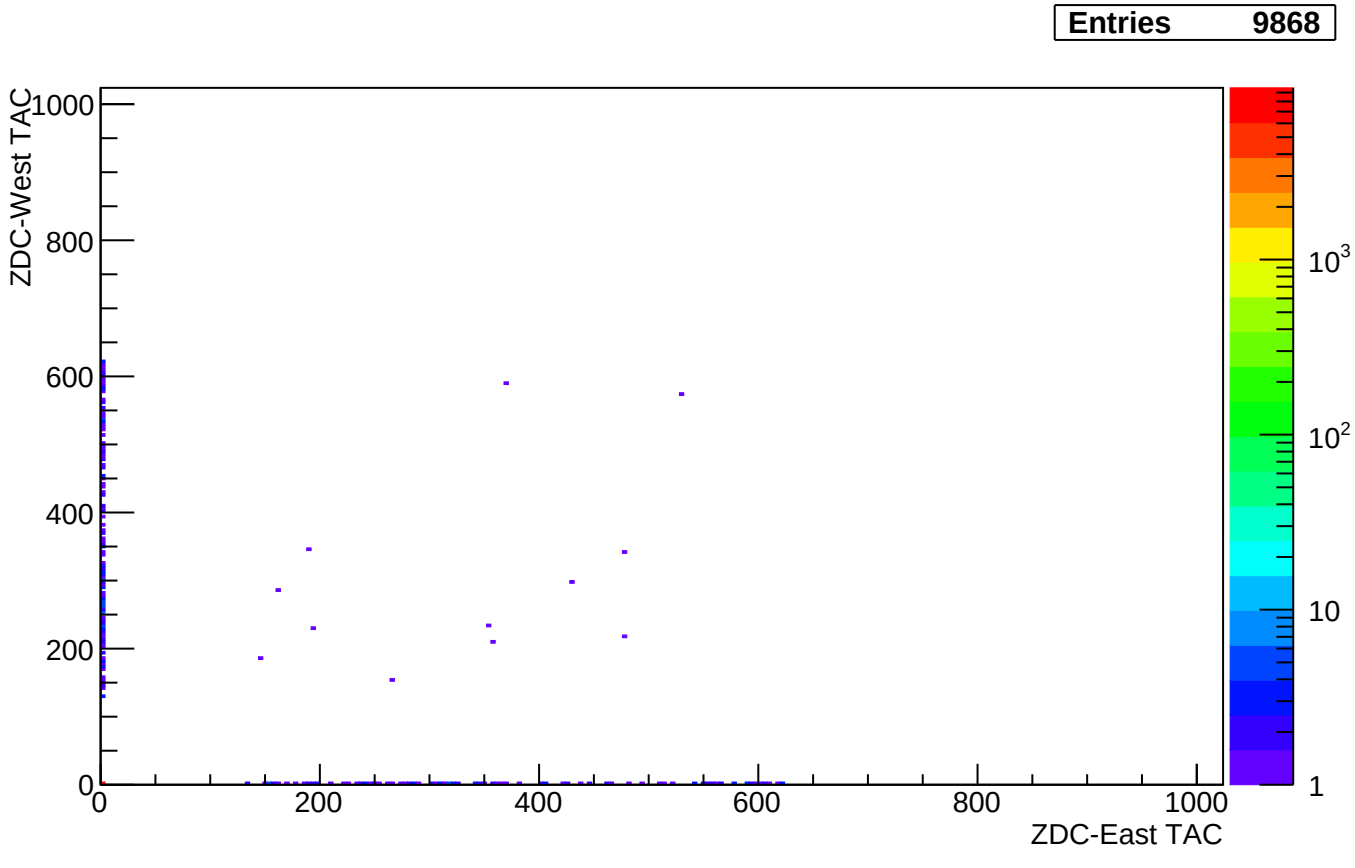

Entries 9868
TOF-Mult
VPD-East ADC Sum

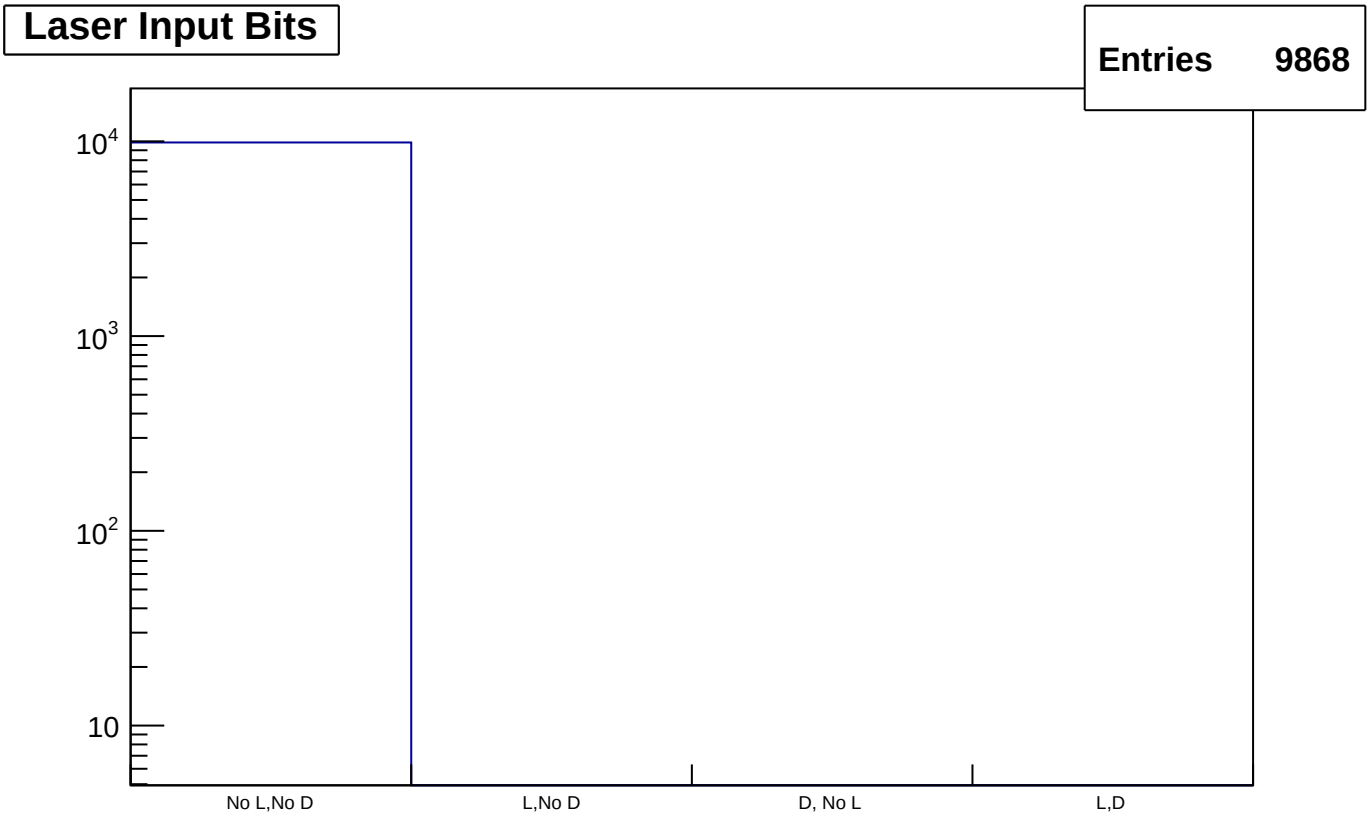

Entries 9868
TOF-Mult
VPD-West ADC Sum

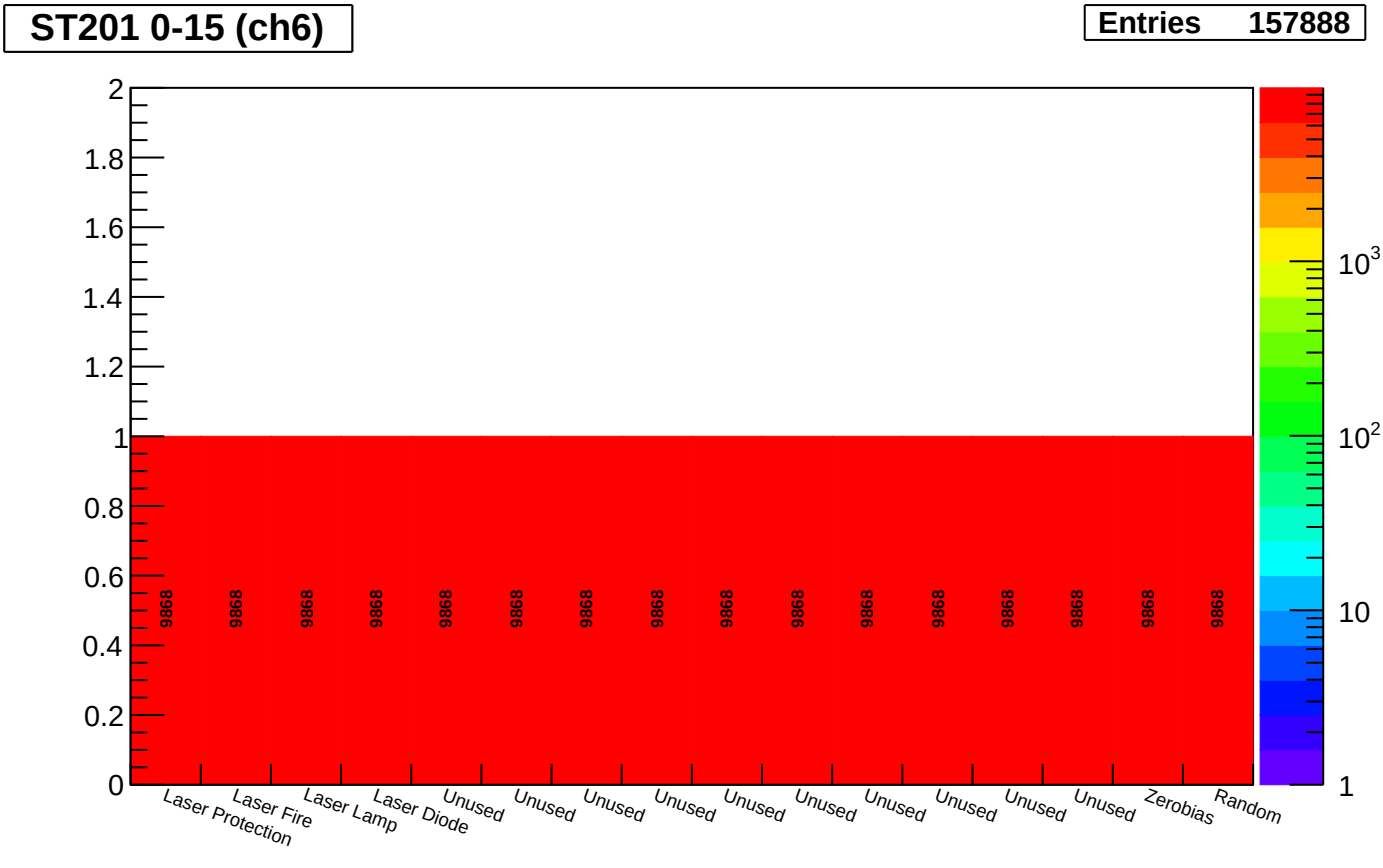

Entries 9868
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

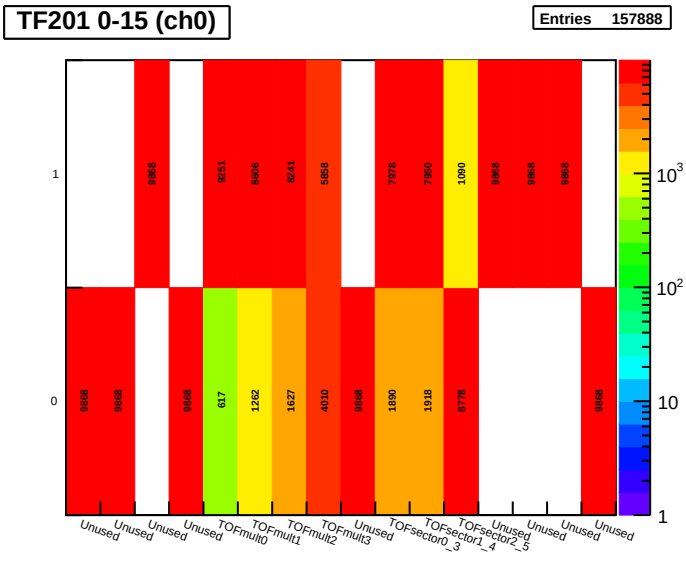

Entries 9868
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

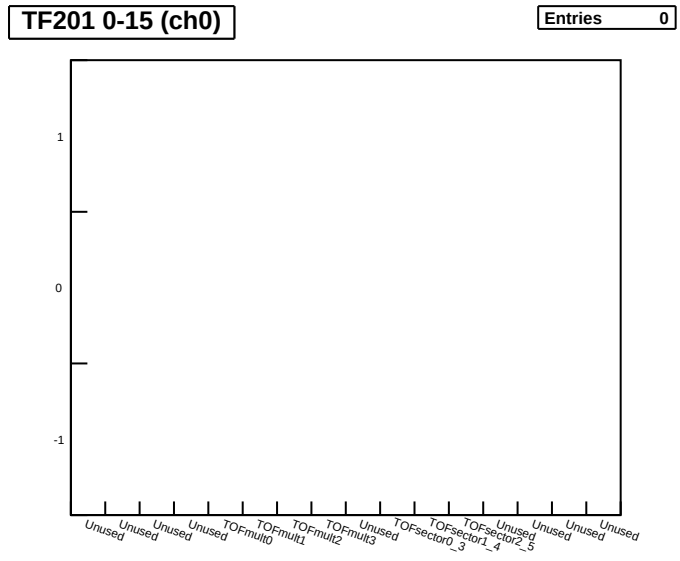

Entries 9868
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

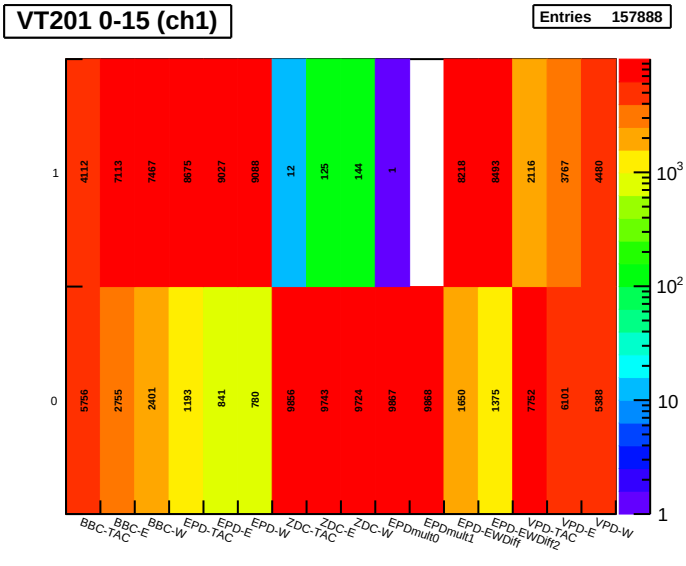

Entries 9868
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^3
10^2
10
1

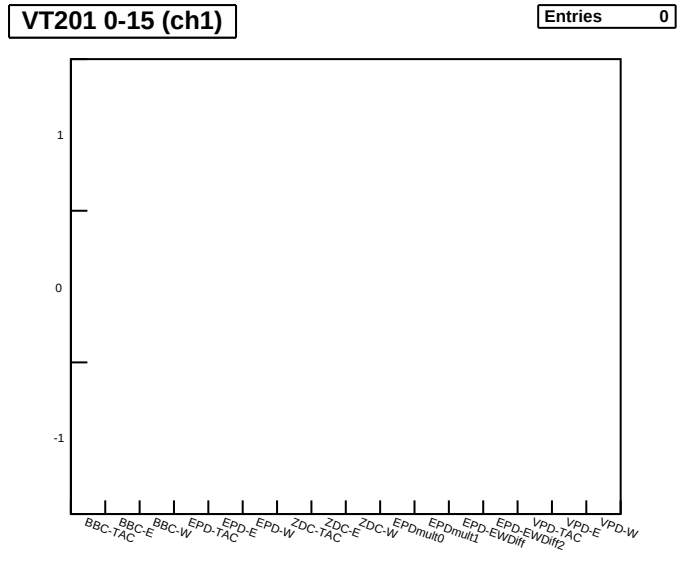

Laser Input Bits
Entries 9868
10^4
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

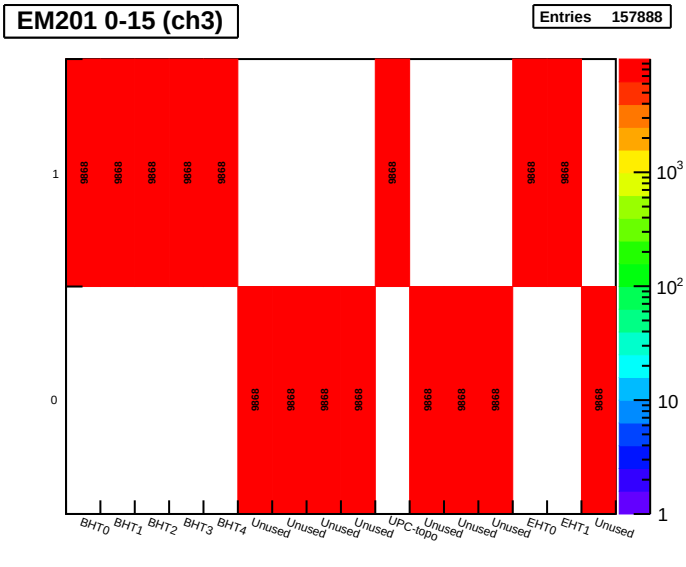

ST201 0-15 (ch6)
Entries 157888
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
9868
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^3
10^2
10
1

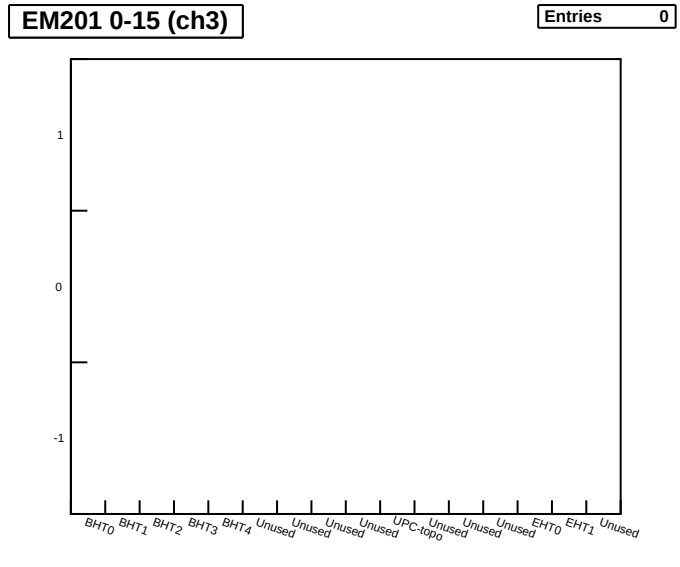

TF201 0-15 (ch0)
Entries 157888
1
0
9868 9251 8606 8241 5858 7978 7950 1090 9868 9868 9868
9868 9868 9868 617 1262 1627 4010 9868 1890 1918 8778 9868
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^3
10^2
10
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 157888
1
0
4112 7113 7467 8675 9027 9088 12 125 144 1 8218 8493 2116 3767 4480
5756 2755 2401 1193 841 780 9856 9743 9724 9867 9868 1650 1375 7752 6101 5388
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 157888
1
0
9868 9868 9868 9868 9868 9868 9868
9868 9868 9868 9868 9868 9868 9868 9868 9868
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