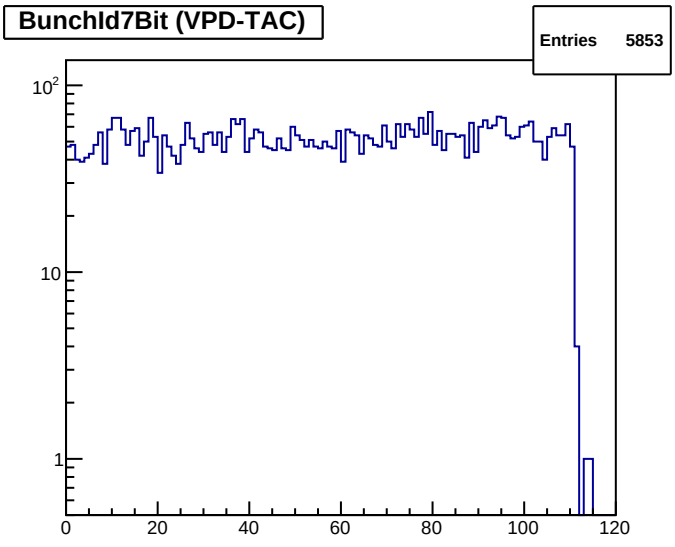
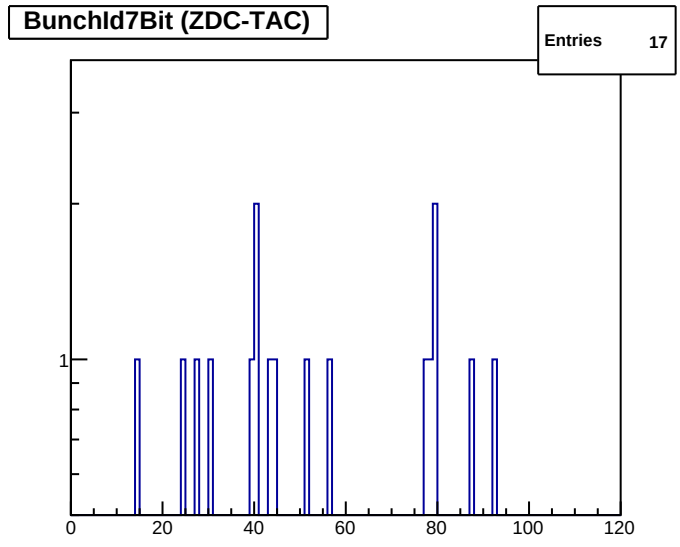
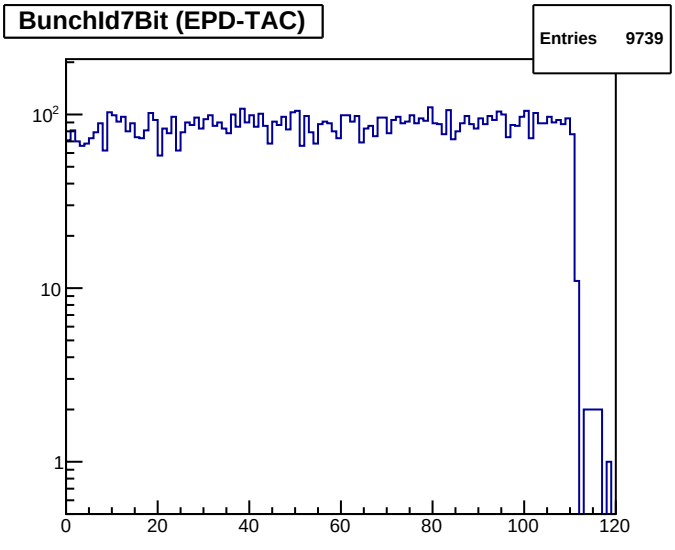
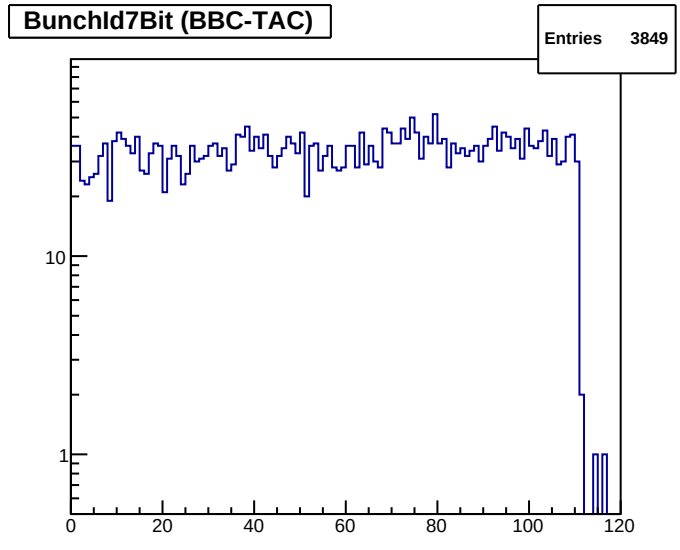
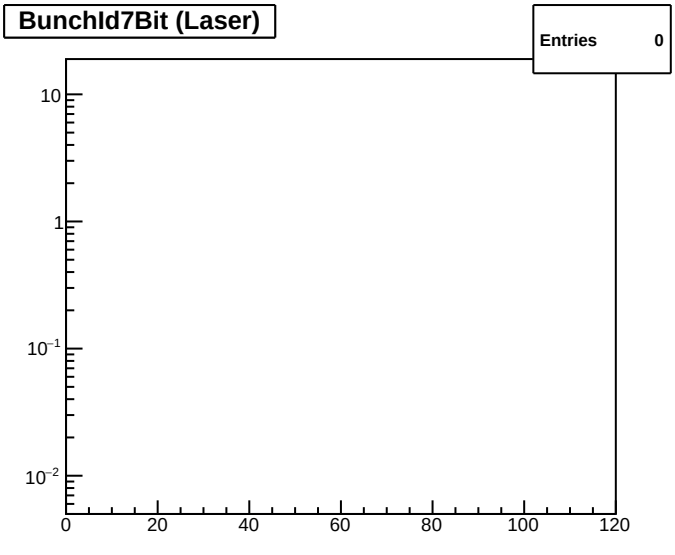
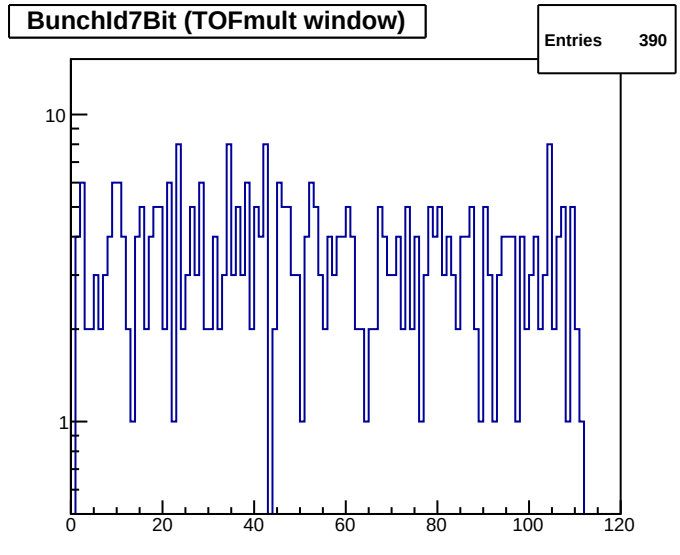

BunchId7Bit (VPD-TAC)
Entries 5853
10^2
10
1
0 20 40 60 80 100 120

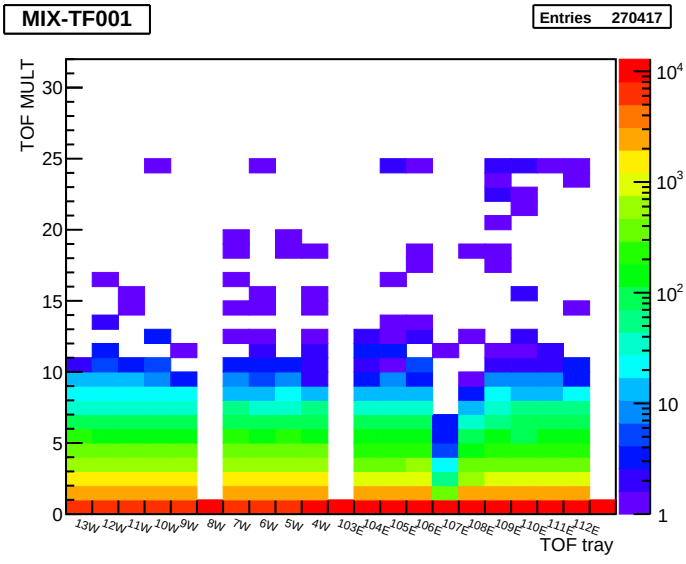

BunchId7Bit (ZDC-TAC)
Entries 17
1
0 20 40 60 80 100 120

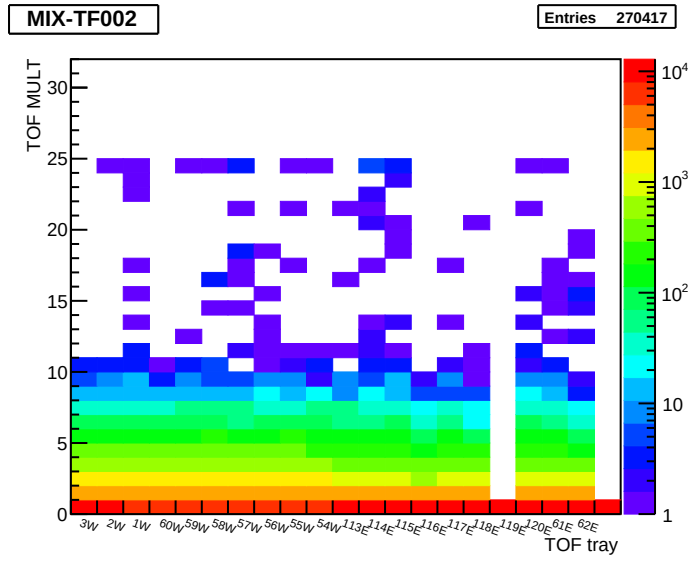

BunchId7Bit (EPD-TAC)
Entries 9739
10^2
10
1
0 20 40 60 80 100 120

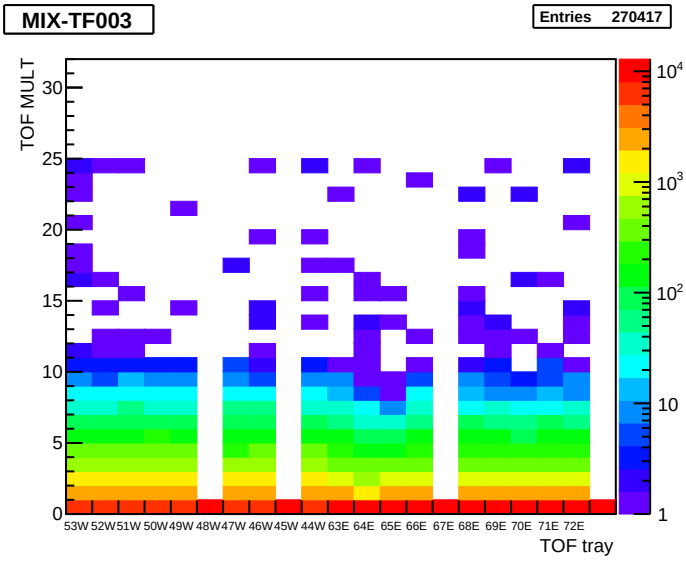

BunchId7Bit (BBC-TAC)
Entries 3849
10
1
0 20 40 60 80 100 120

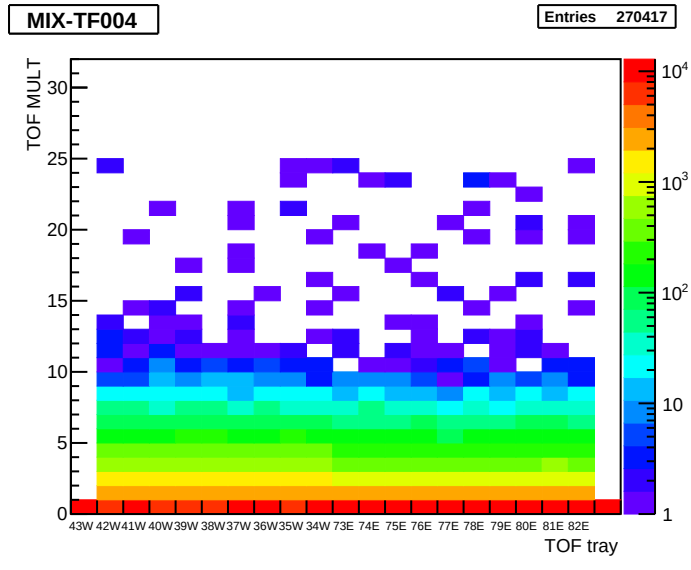

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

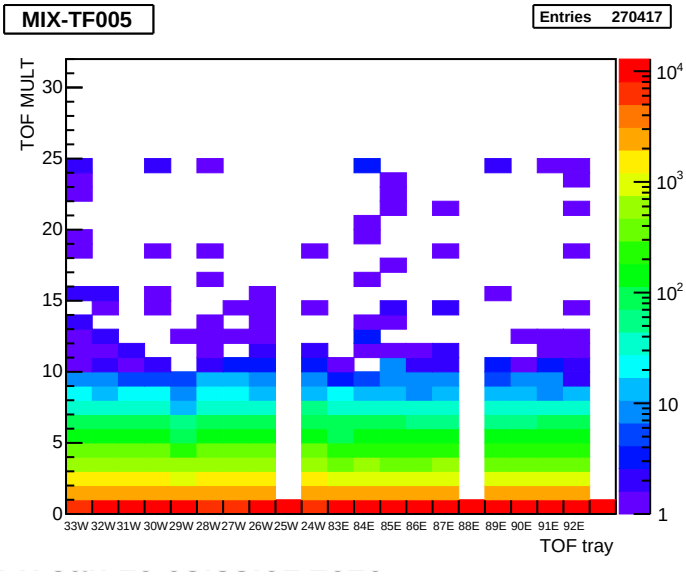

BunchId7Bit (TOFmult window)
Entries 390
10
1
0 20 40 60 80 100 120

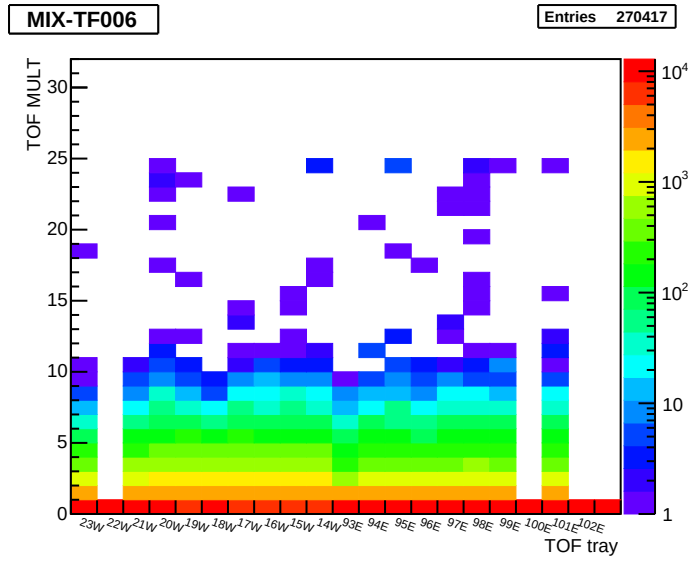

MIX-TF001
Entries 270417
TOF MULT
TOF tray

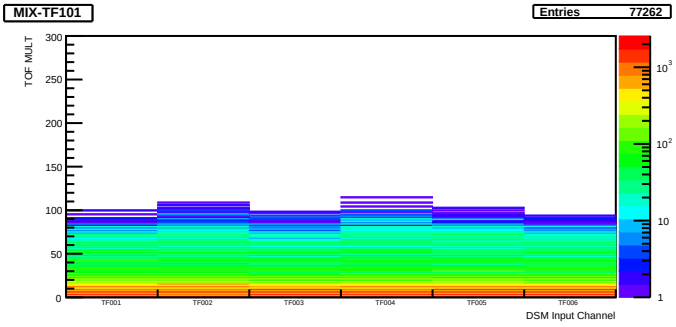

MIX-TF002
Entries 270417
TOF MULT
TOF tray

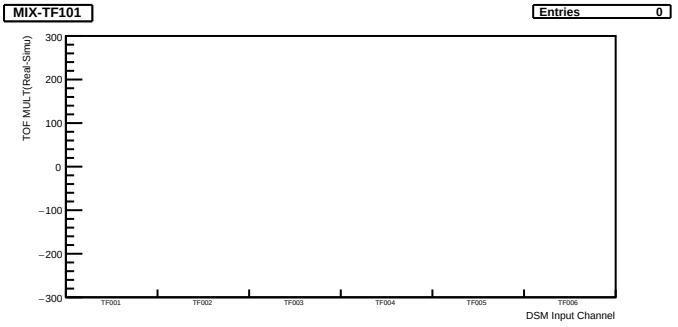

MIX-TF003
Entries 270417
TOF MULT
TOF tray

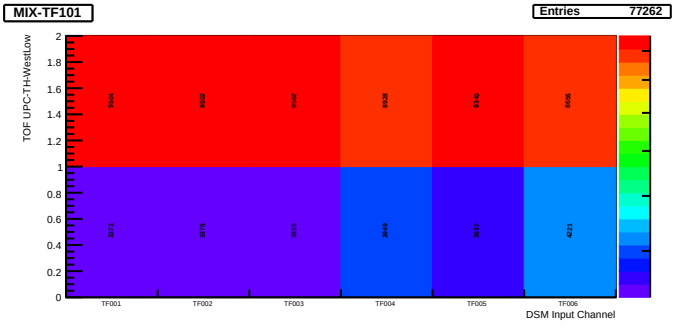

MIX-TF004
Entries 270417
TOF MULT
TOF tray

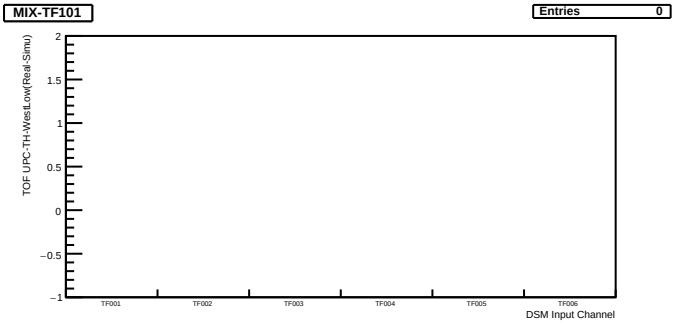

MIX-TF005
Entries 270417
TOF MULT
TOF tray

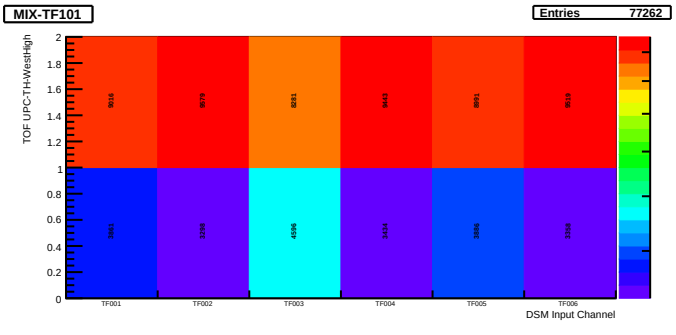

MIX-TF006
Entries 270417
TOF MULT
TOF tray

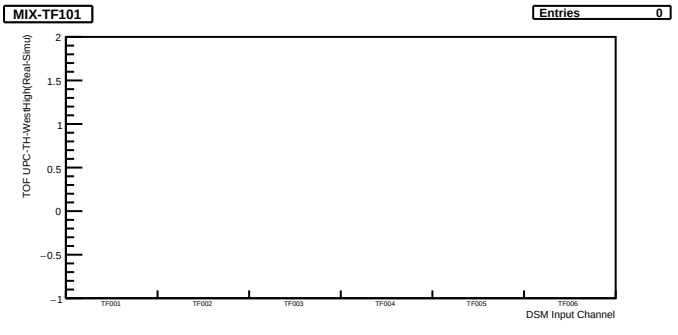

MIX-TF101
Entries 77262
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

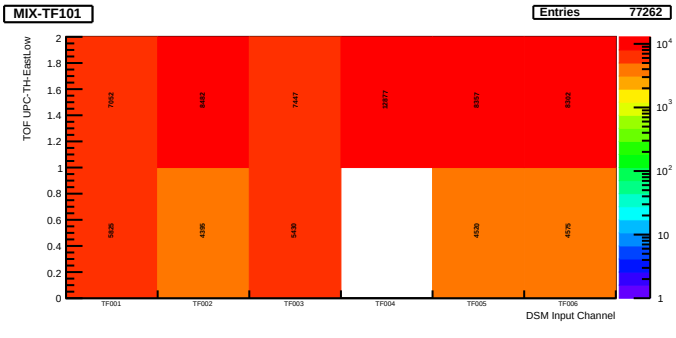

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

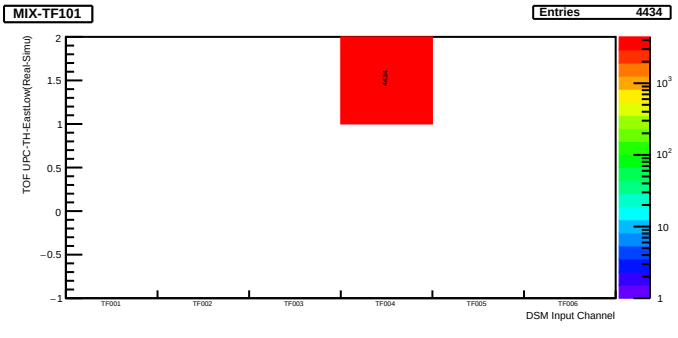

MIX-TF101
Entries 77262
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

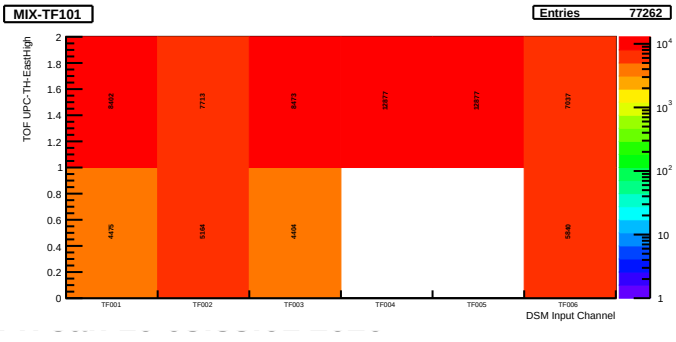

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

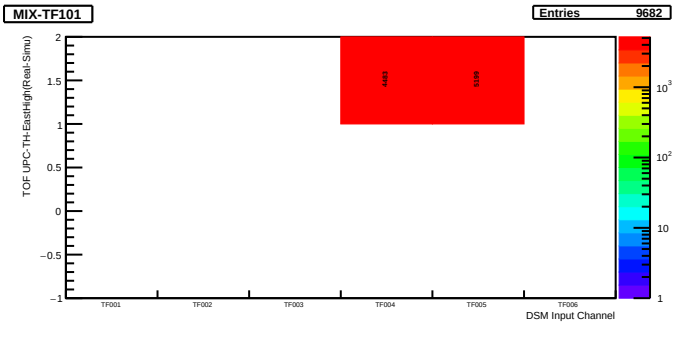

MIX-TF101
Entries 77262
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

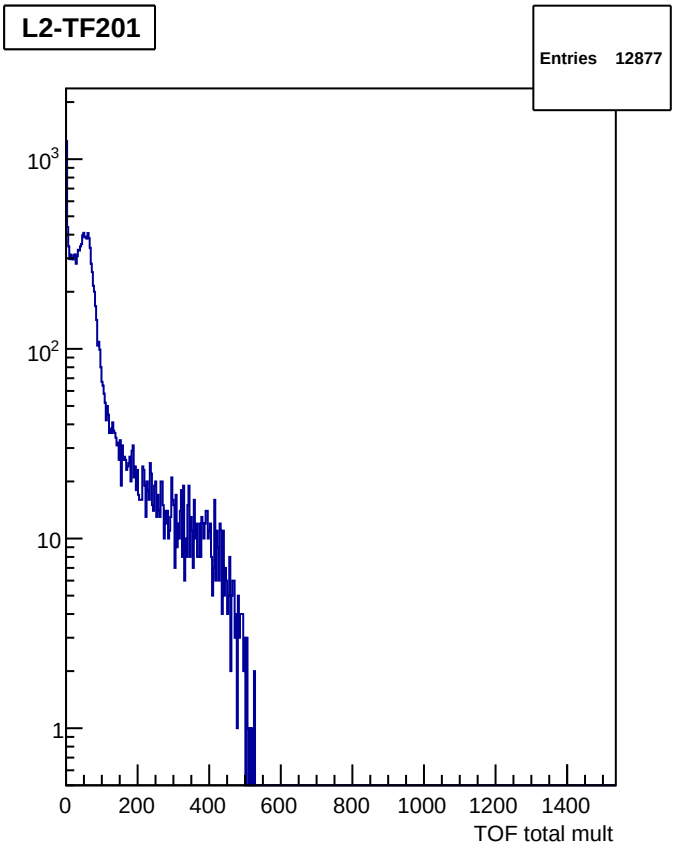

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

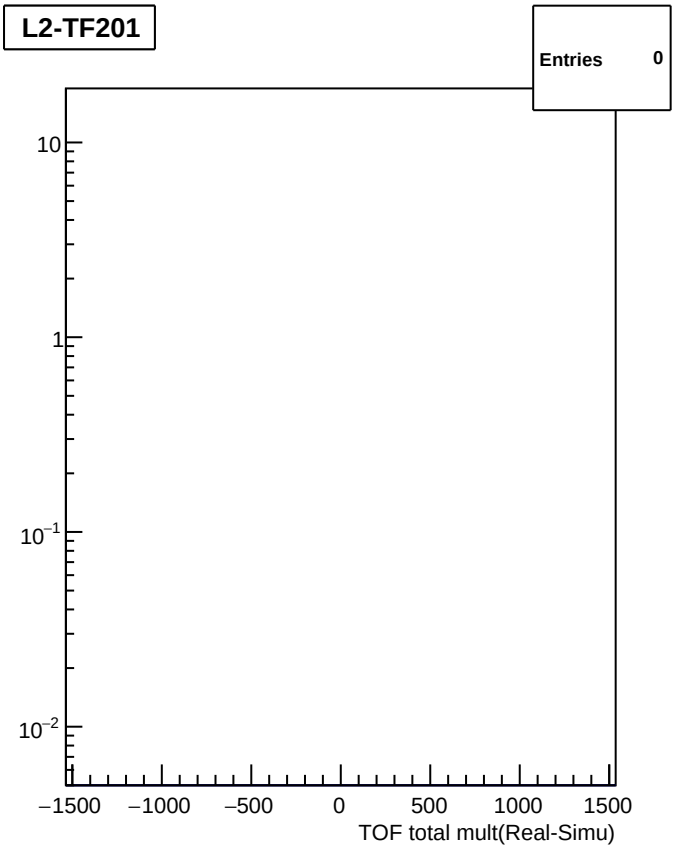

MIX-TF101
Entries 77262
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

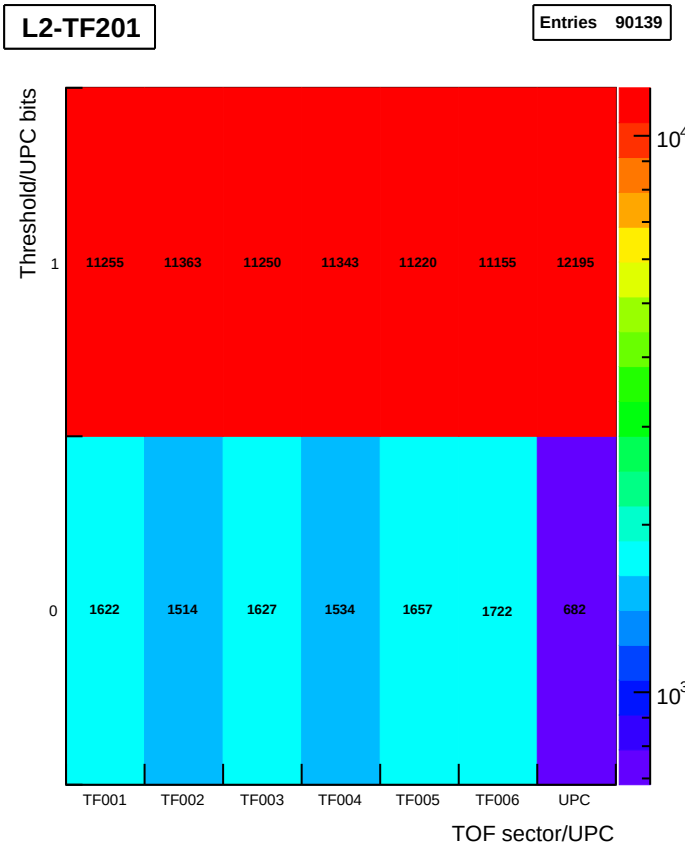

MIX-TF101
Entries 4434
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

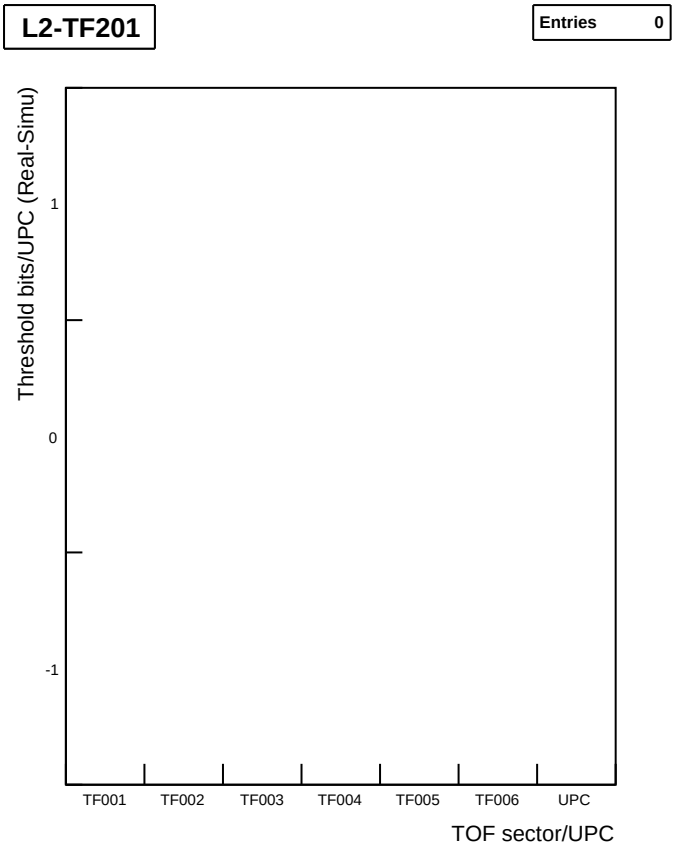

MIX-TF101
Entries 77262
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

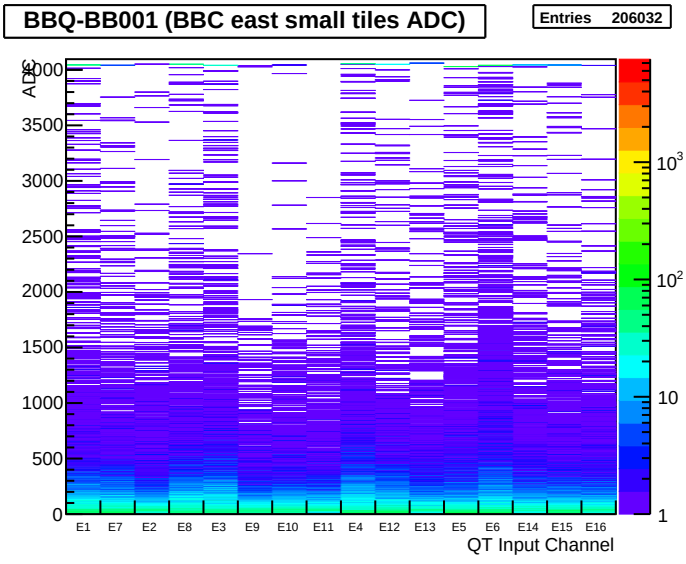

MIX-TF101
Entries 9682
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

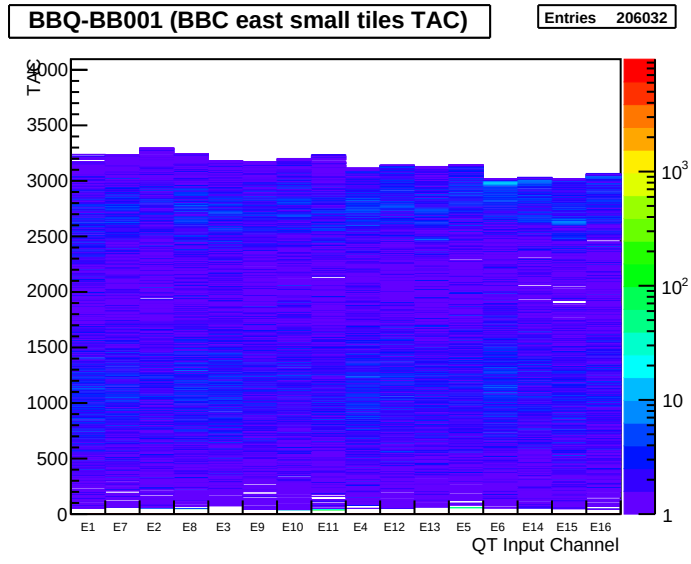

L2-TF201
Entries 12877
TOF total mult

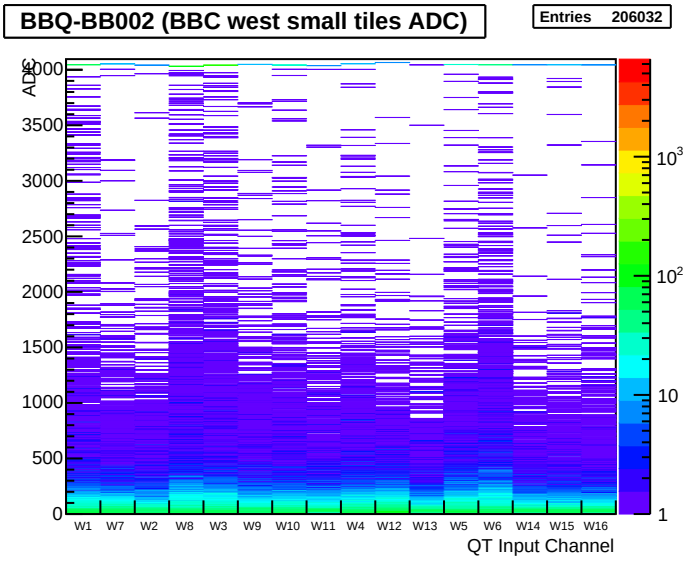

L2-TF201
Entries 0
TOF total mult(Real-Simu)

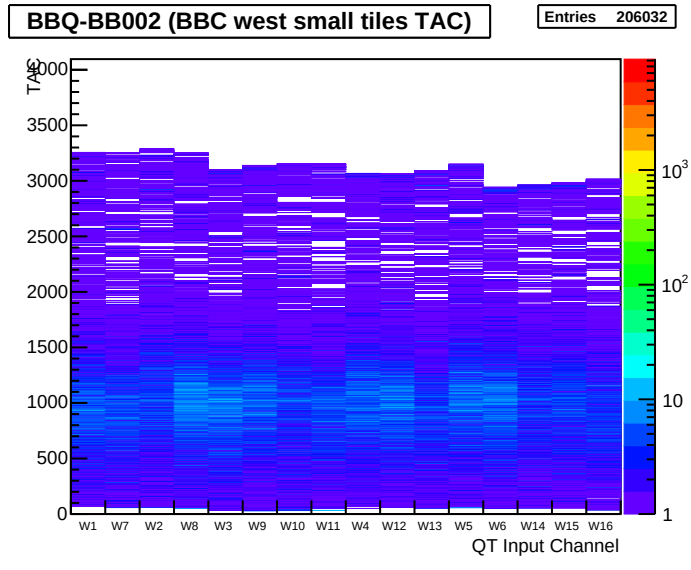

L2-TF201
Entries 90139
Threshold/UPC bits
11255
11363
11250
11343
11220
11155
12195
1622
1514
1627
1534
1657
1722
682
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

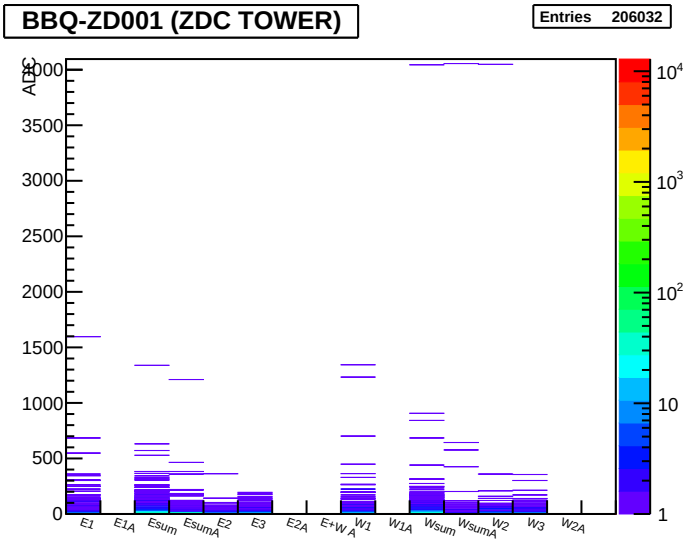

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

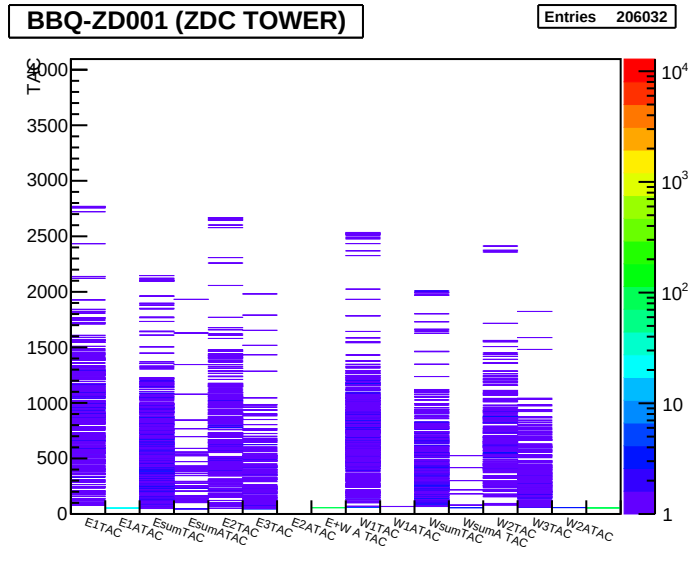

BBQ-BB001 (BBC east small tiles ADC)
Entries 206032
ADC
QT Input Channel

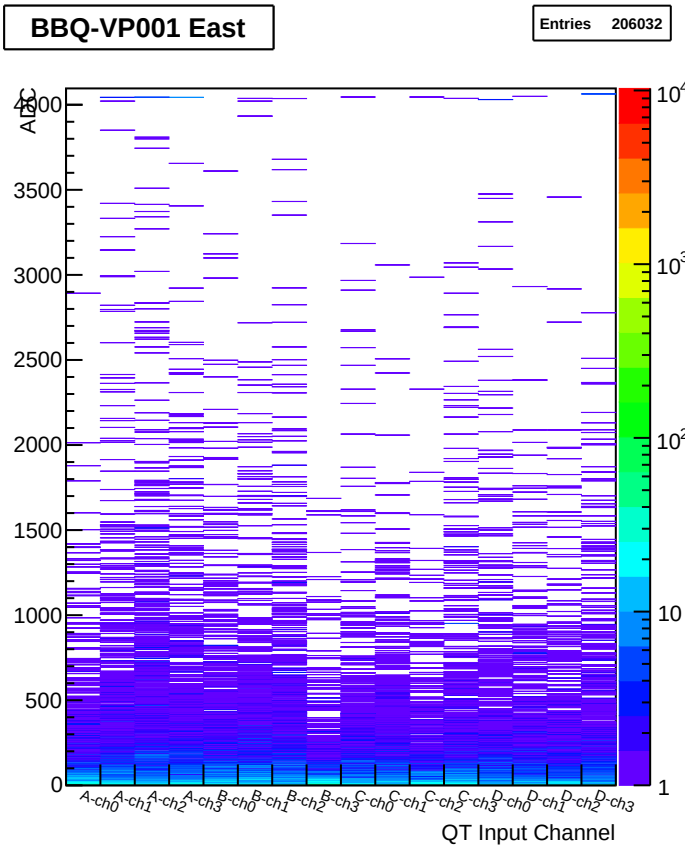

BBQ-BB001 (BBC east small tiles TAC)
Entries 206032
TAC
QT Input Channel

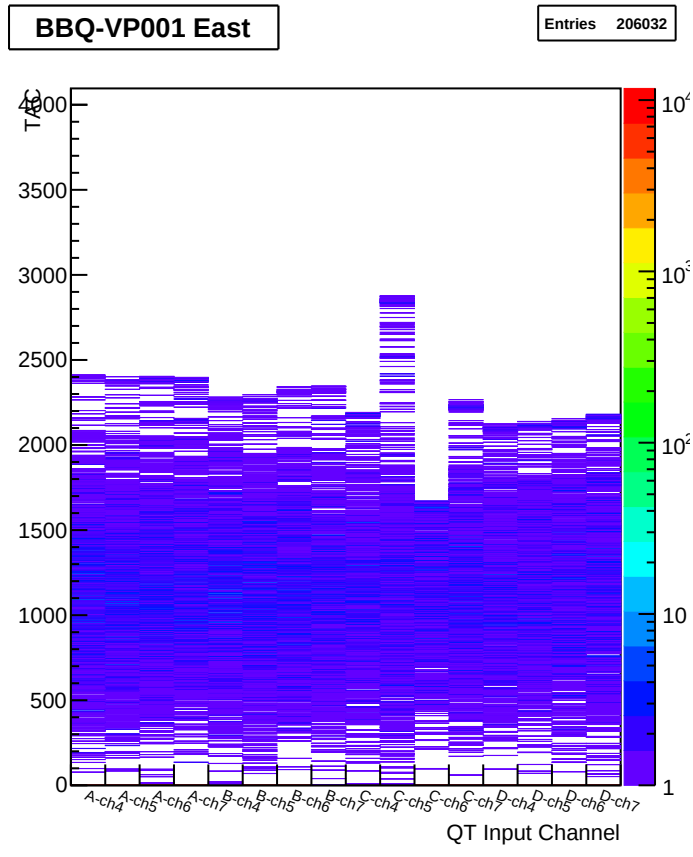

BBQ-BB002 (BBC west small tiles ADC)
Entries 206032
ADC
QT Input Channel

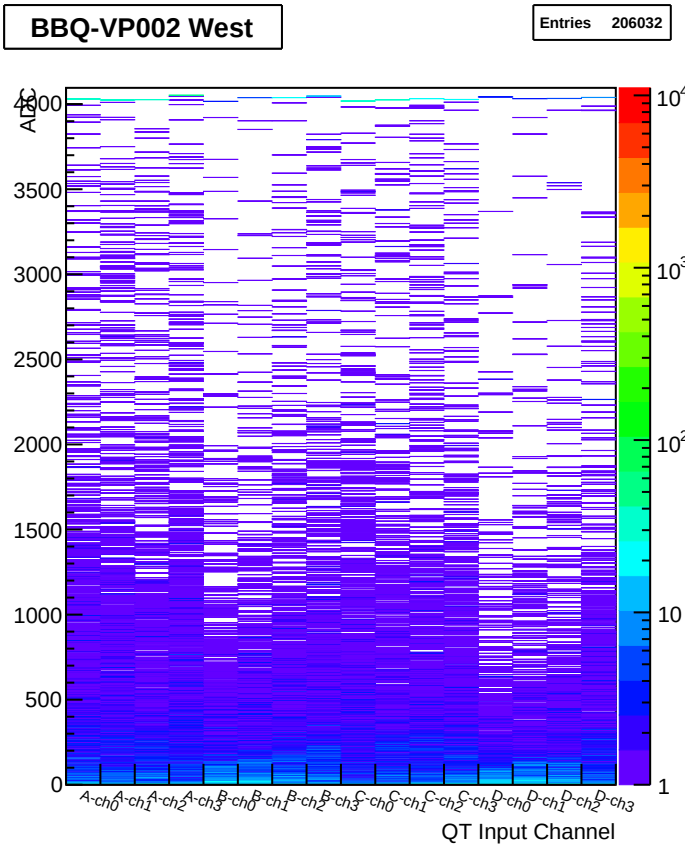

BBQ-BB002 (BBC west small tiles TAC)
Entries 206032
TAC
QT Input Channel

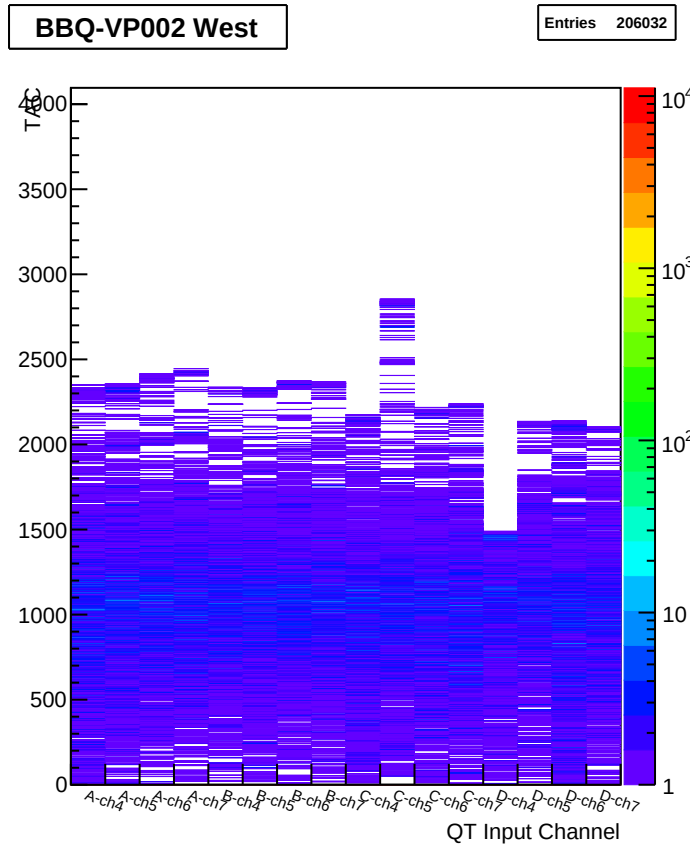

BBQ-ZD001 (ZDC TOWER)
Entries 206032
ADC

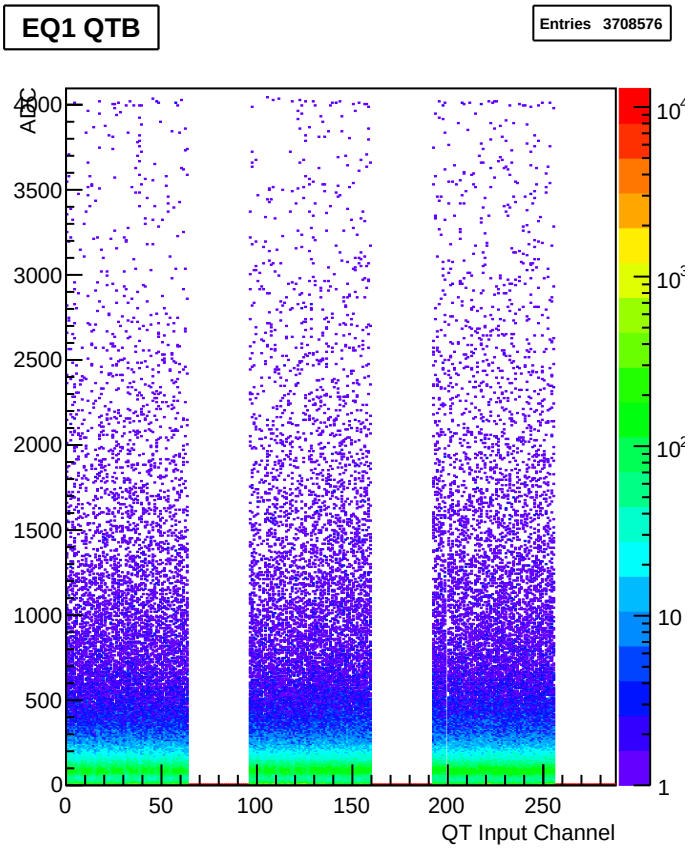

BBQ-ZD001 (ZDC TOWER)
Entries 206032
TAC

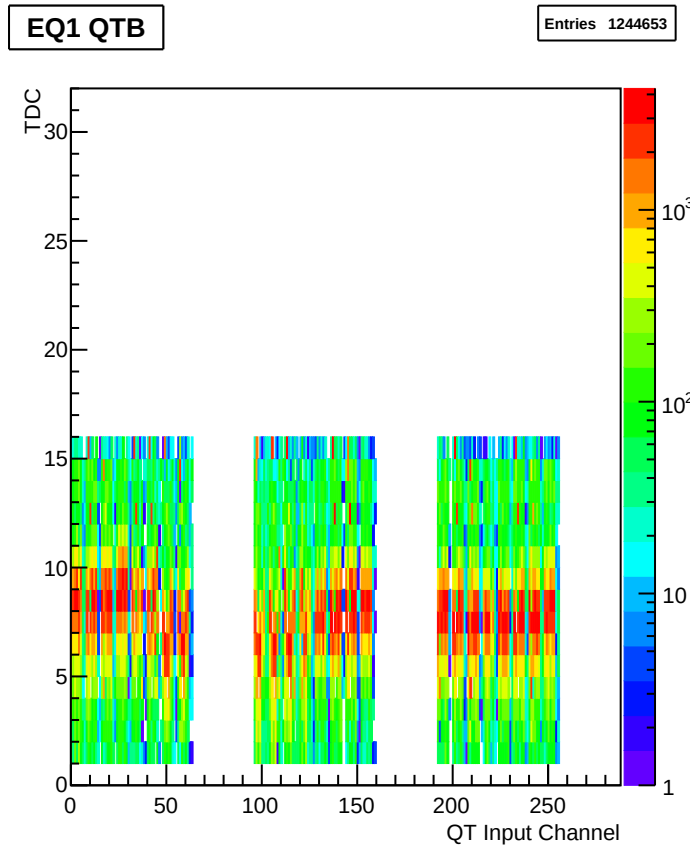

BBQ-VP001 East
Entries 206032
ADC
QT Input Channel

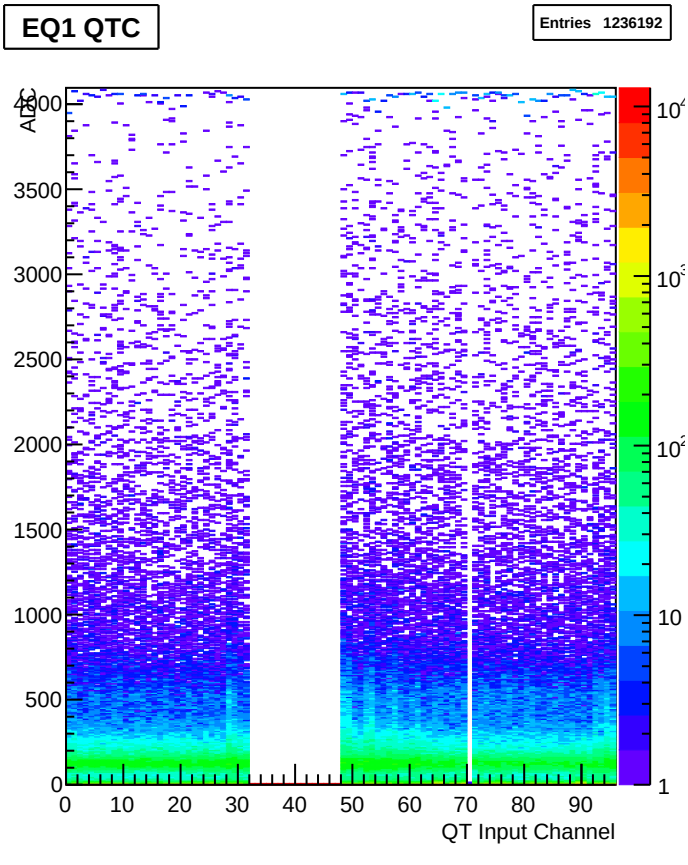

BBQ-VP001 East
Entries 206032
TAC
QT Input Channel

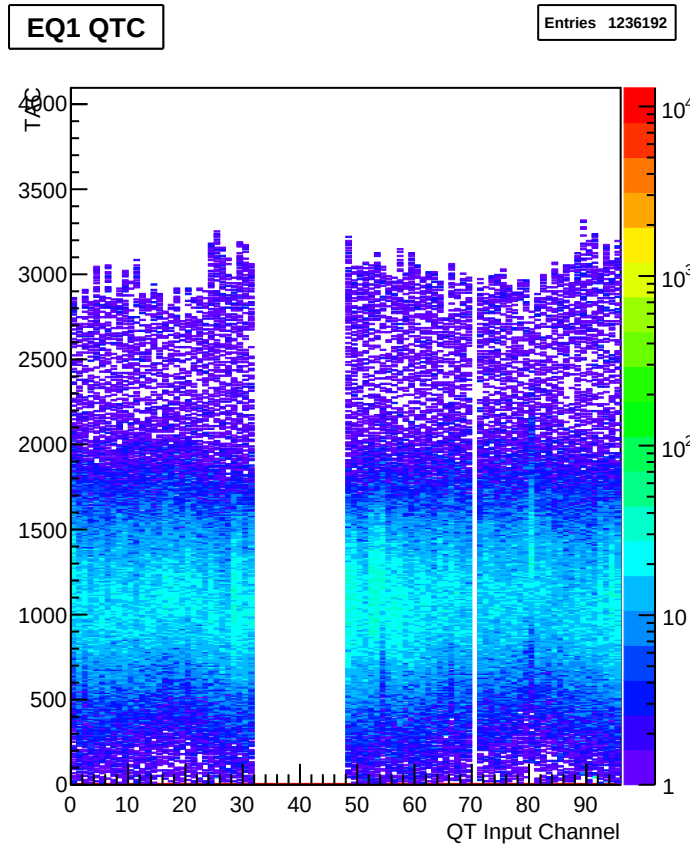

BBQ-VP002 West
Entries 206032
ADC
QT Input Channel

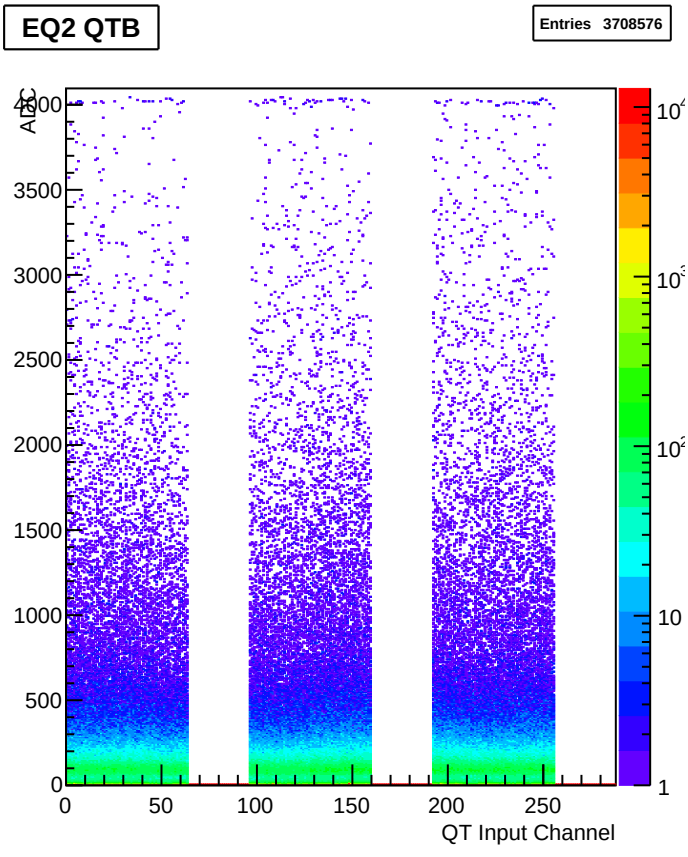

BBQ-VP002 West
Entries 206032
TAC
QT Input Channel

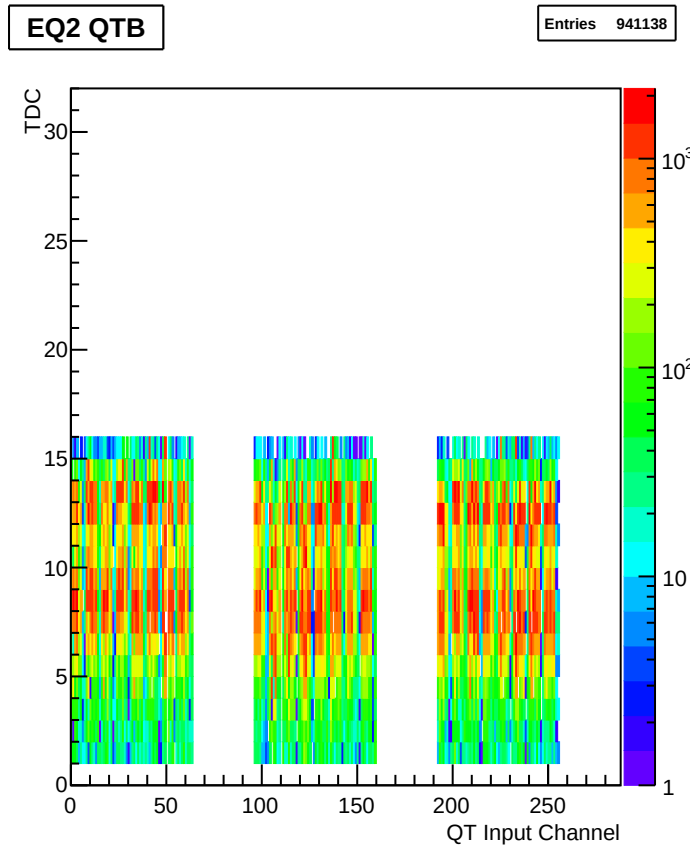

EQ1 QTB
Entries 3708576
ADC
QT Input Channel

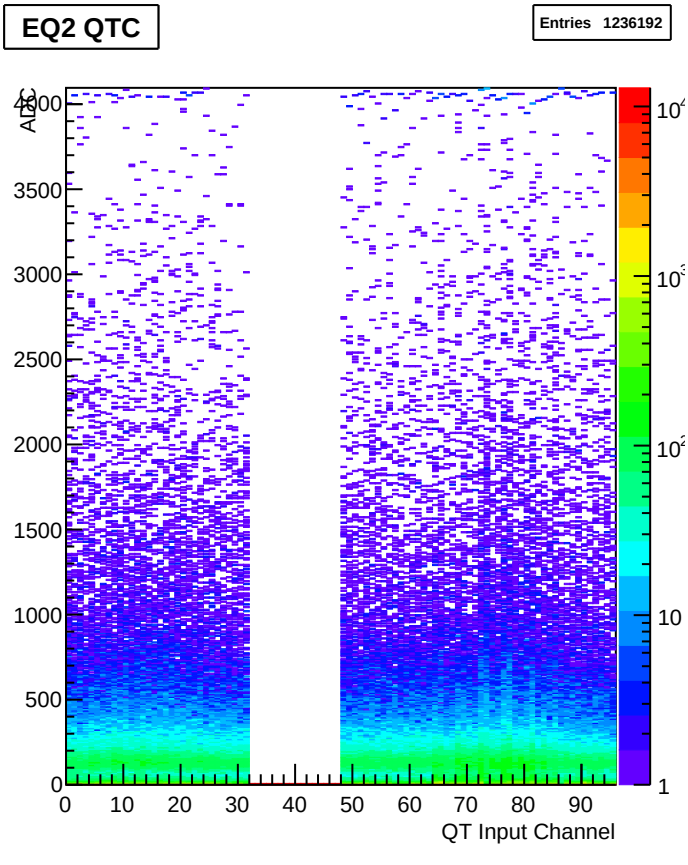

EQ1 QTB
Entries 1244653
TDC
QT Input Channel

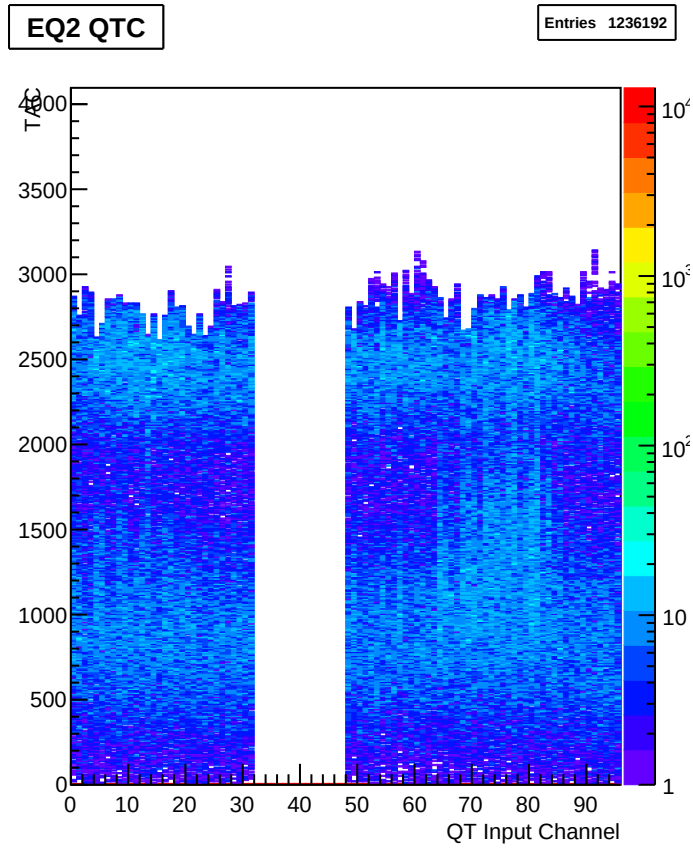

EQ1 QTC
Entries 1236192
ADC
QT Input Channel

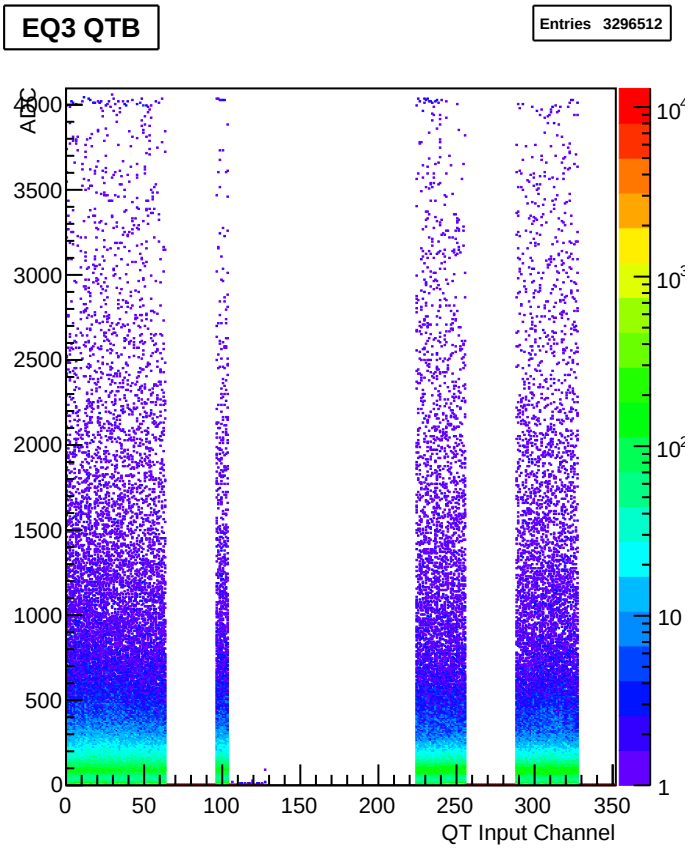

EQ1 QTC
Entries 1236192
TAC
QT Input Channel

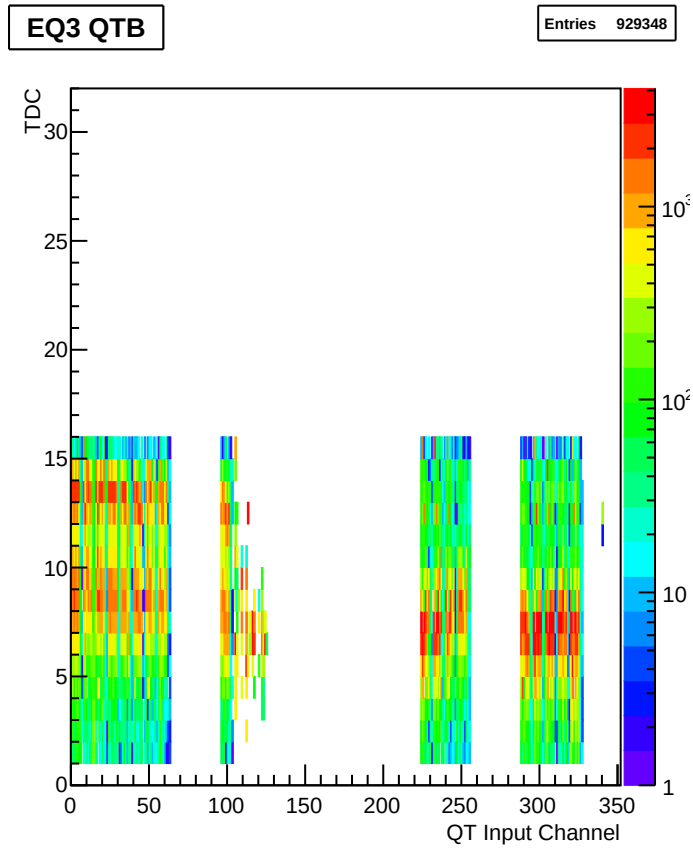

EQ2 QTB
Entries 3708576
ADC
QT Input Channel

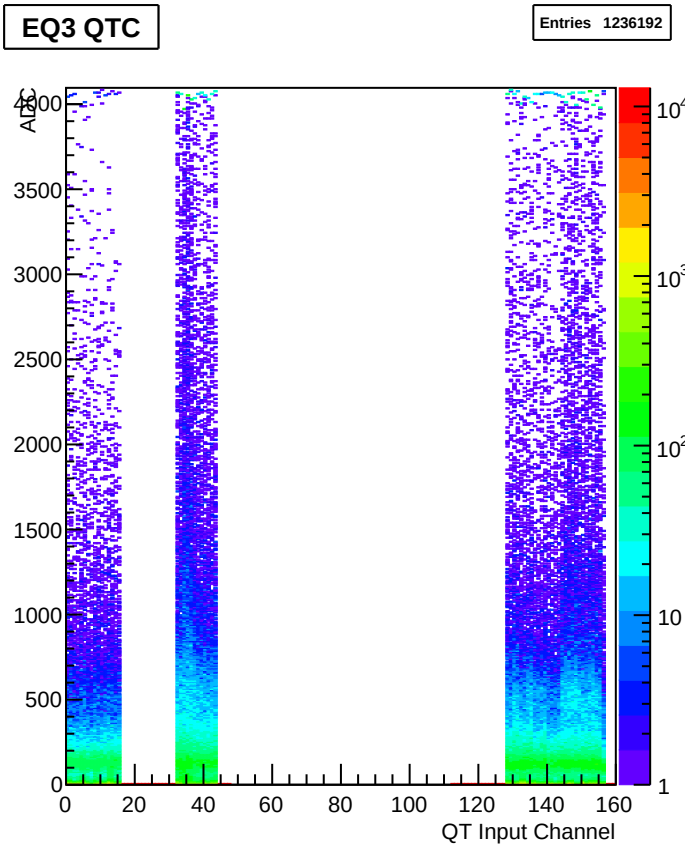

EQ2 QTB
Entries 941138
TDC
QT Input Channel

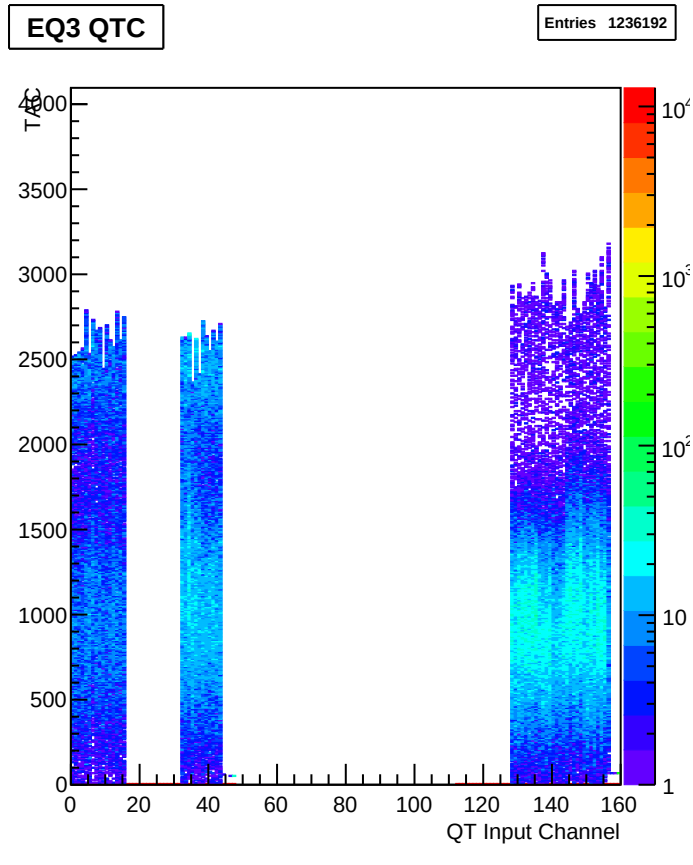

EQ2 QTC
Entries 1236192
ADC
QT Input Channel

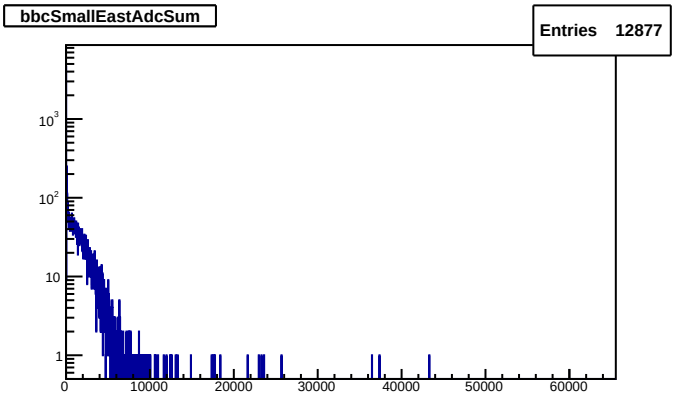

EQ2 QTC
Entries 1236192
TADC
QT Input Channel

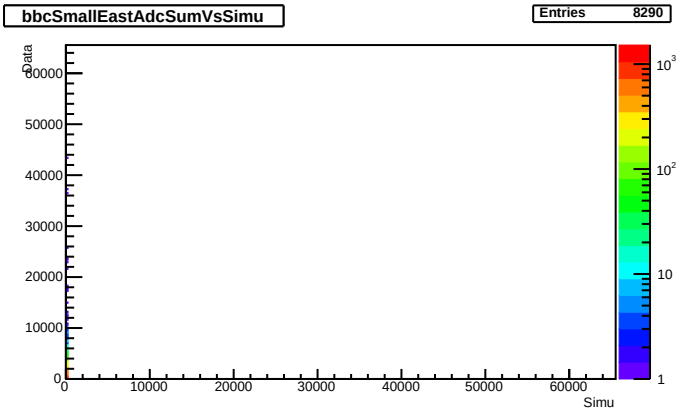

EQ3 QTB
Entries 3296512
ADC
QT Input Channel

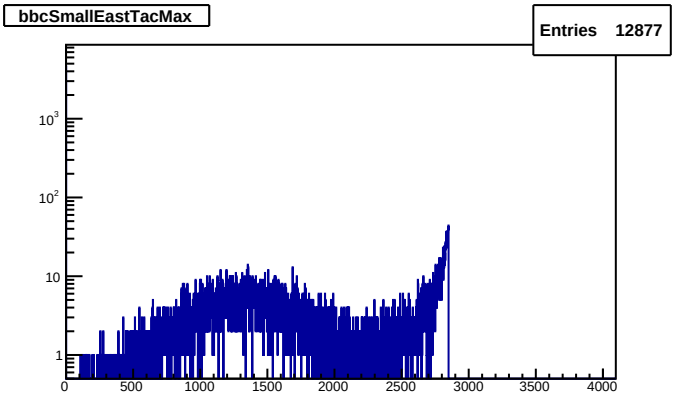

EQ3 QTB
Entries 929348
TDC
QT Input Channel

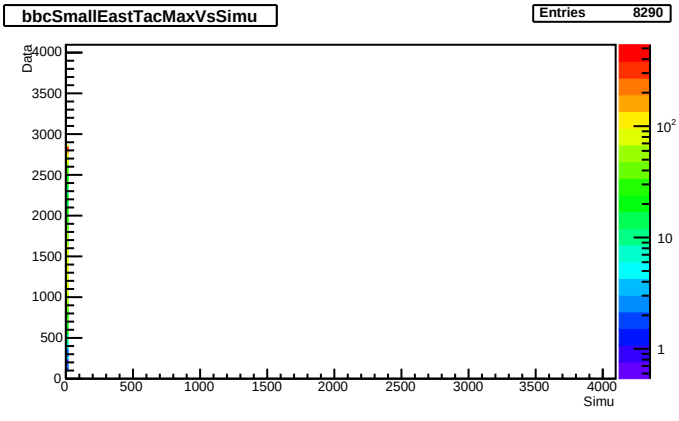

EQ3 QTC
Entries 1236192
ADC
QT Input Channel

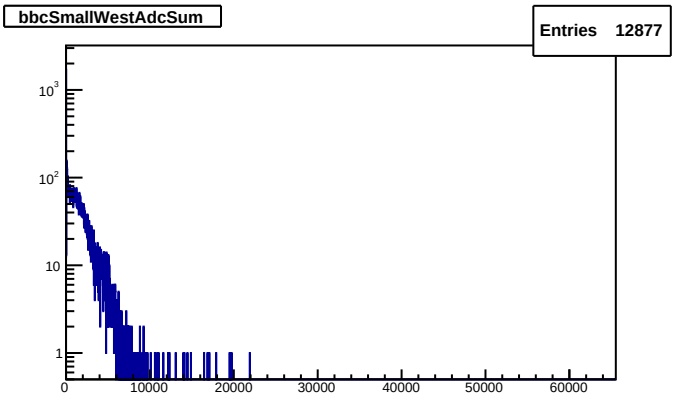

EQ3 QTC
Entries 1236192
TADC
QT Input Channel

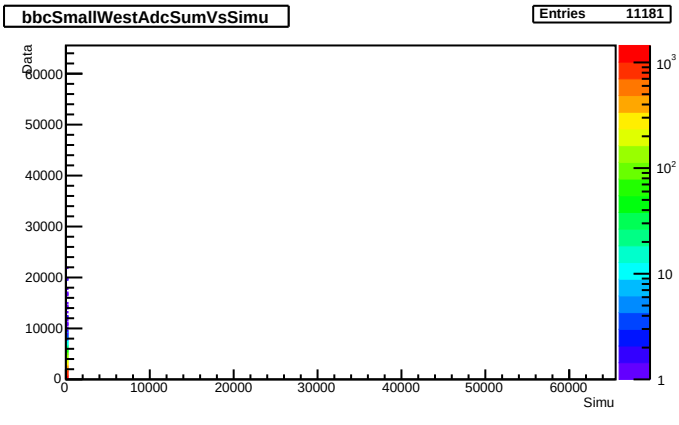

bbcSmallEastAdcSum
Entries 12877

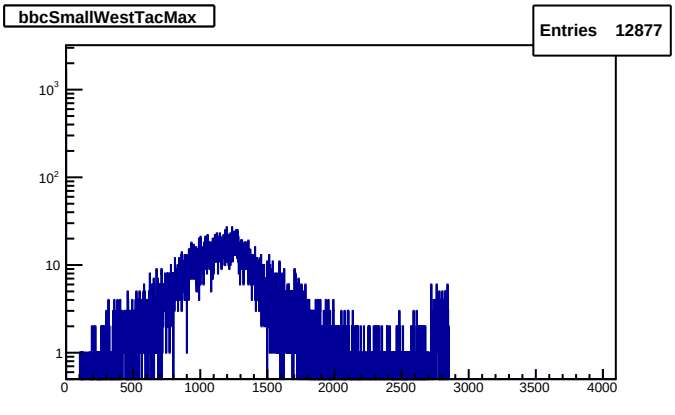

bbcSmallEastAdcSumVsSimu
Entries 8290
Data
Simu

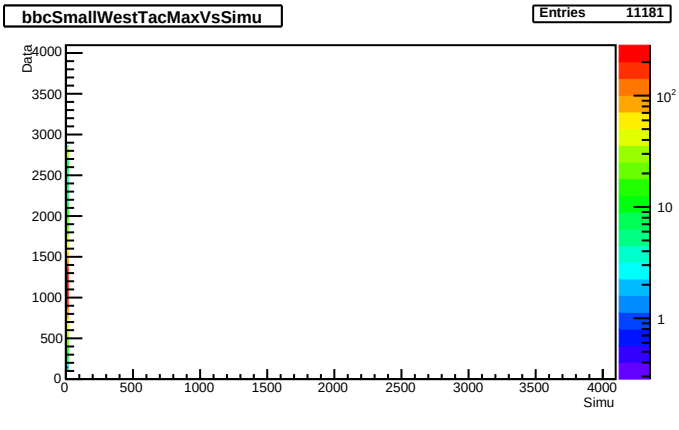

bbcSmallEastTacMax
Entries 12877

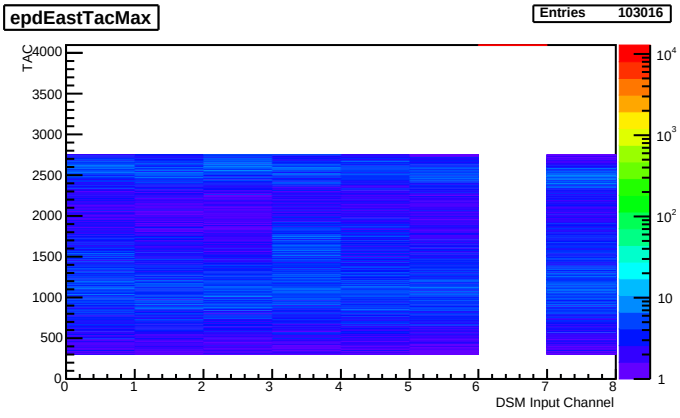

bbcSmallEastTacMaxVsSimu
Entries 8290
Data
Simu

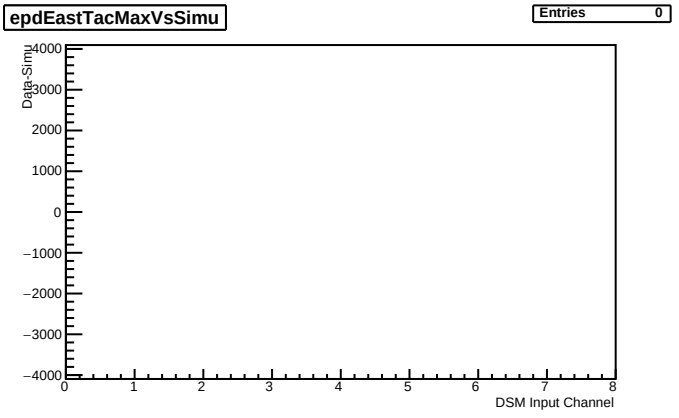

bbcSmallWestAdcSum
Entries 12877

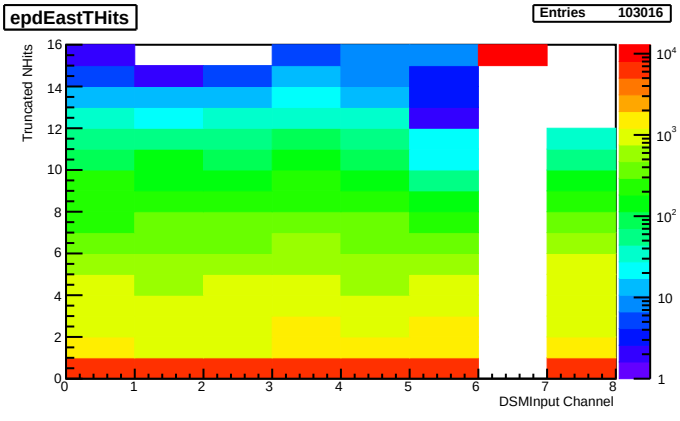

bbcSmallWestAdcSumVsSimu
Entries 11181
Data
Simu

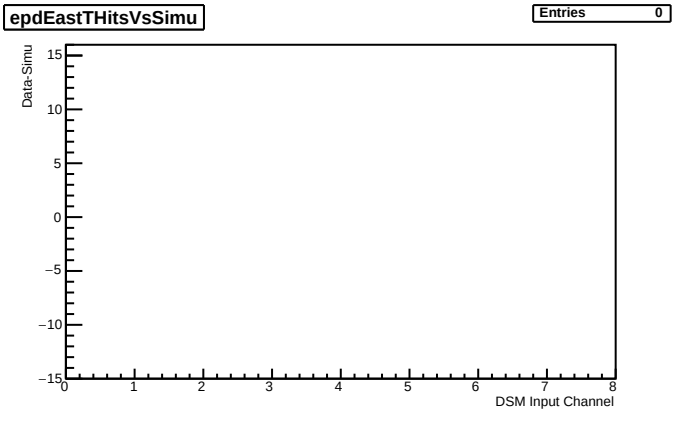

bbcSmallWestTacMax
Entries 12877

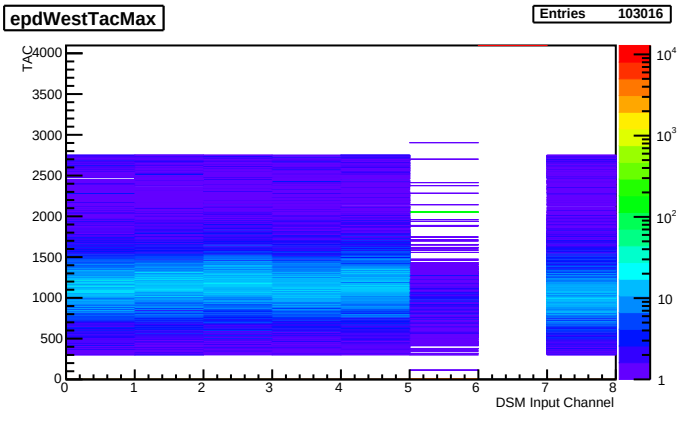

bbcSmallWestTacMaxVsSimu
Entries 11181
Data
Simu

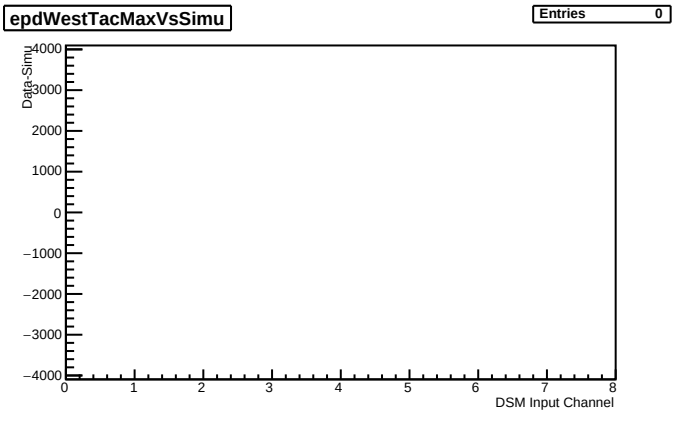

epdEastTacMax
Entries 103016
TAC
DSM Input Channel

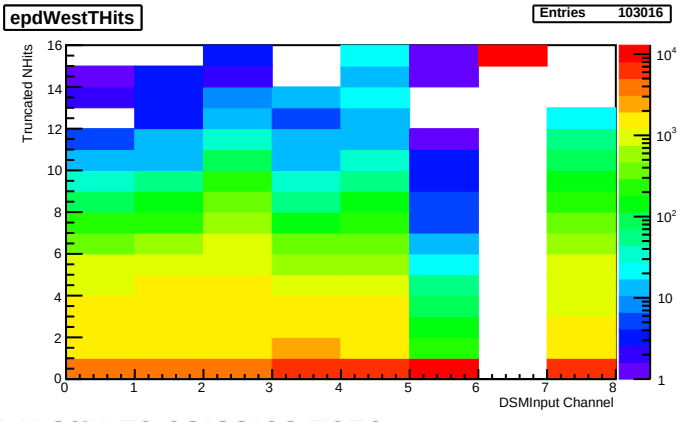

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

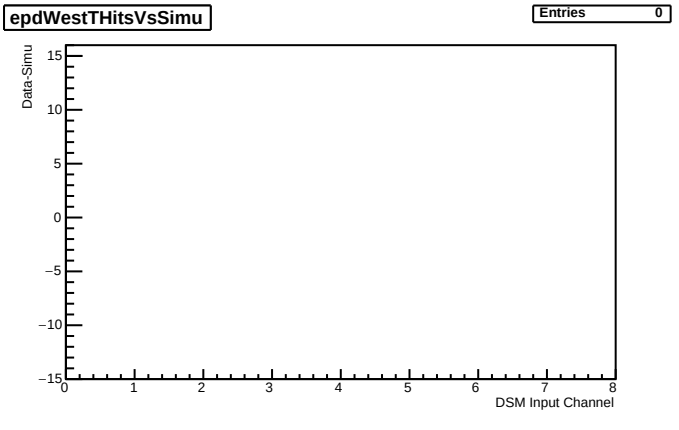

epdEastTHits
Entries 103016
Truncated NHits
DSMInput Channel

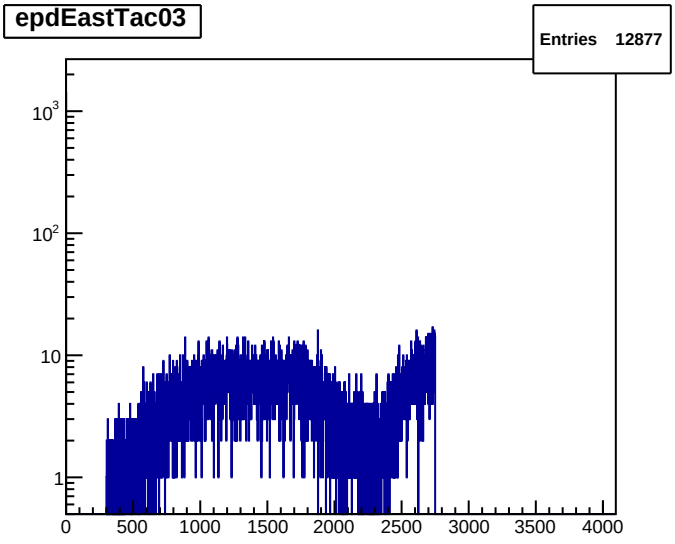

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

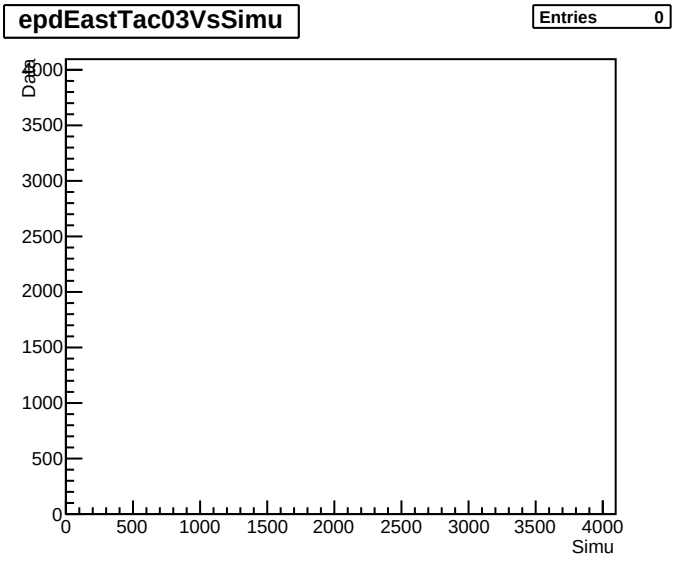

epdWestTacMax
Entries 103016
TAC
DSM Input Channel

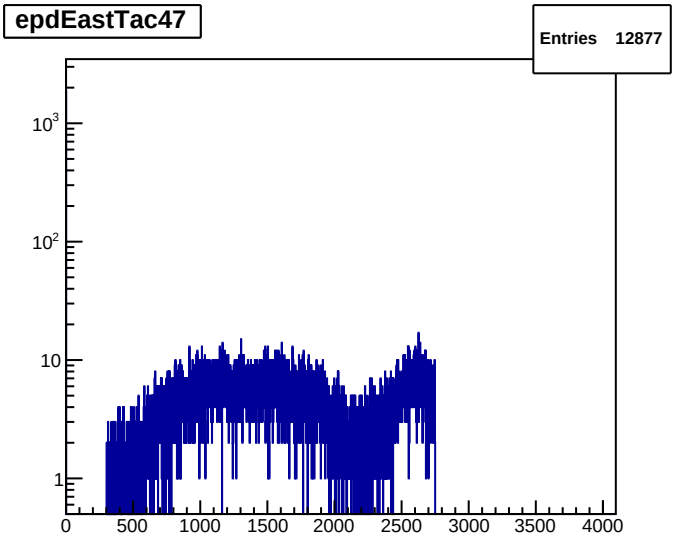

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

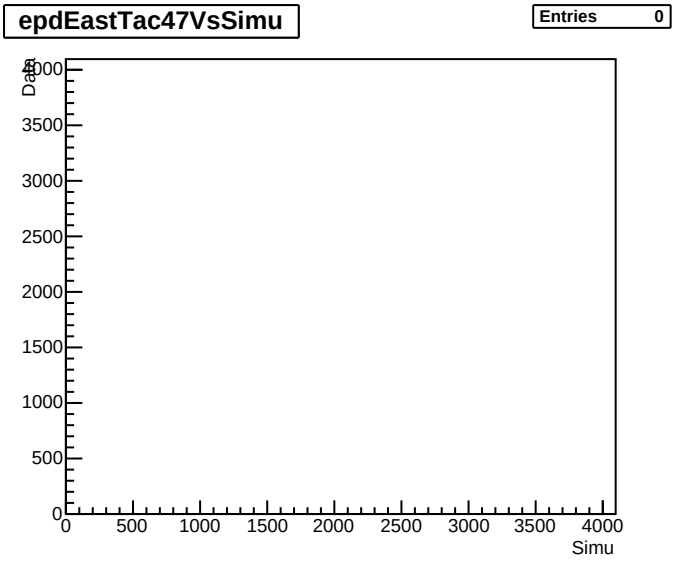

epdWestTHits
Entries 103016
Truncated NHits
DSMInput Channel

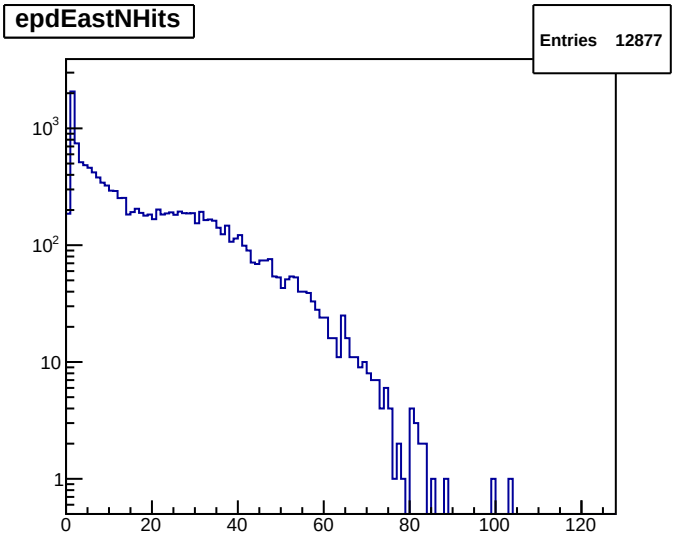

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

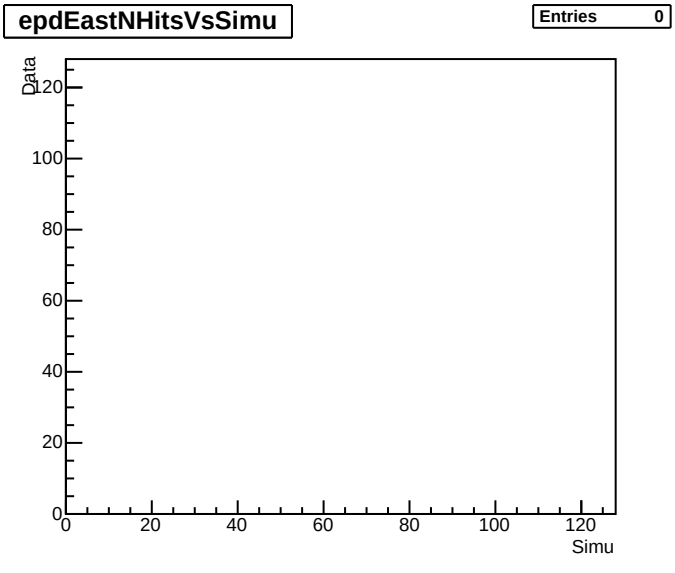

epdEastTac03
Entries 12877

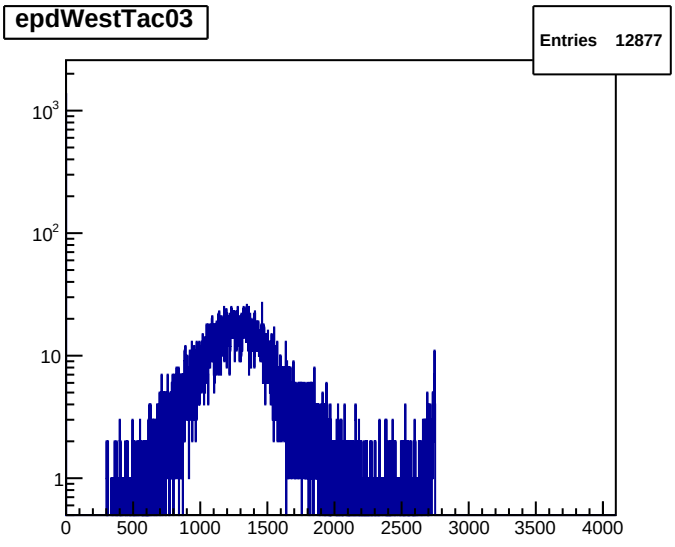

epdEastTac03VsSimu
Entries 0
Data
Simu

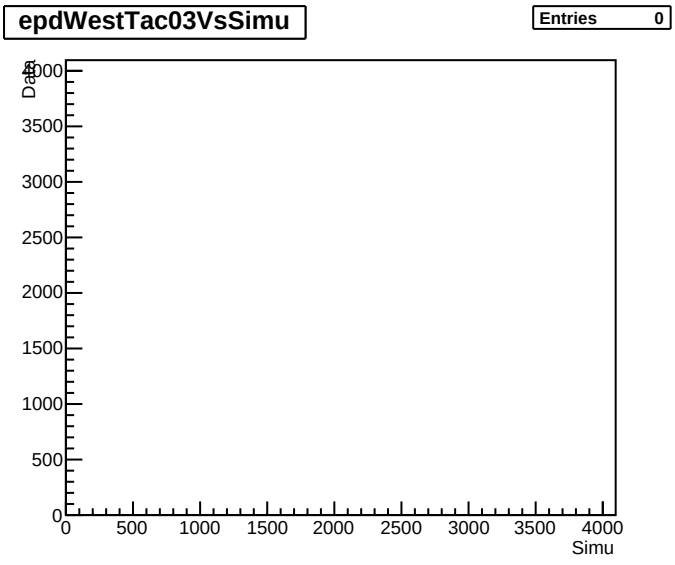

epdEastTac47
Entries 12877

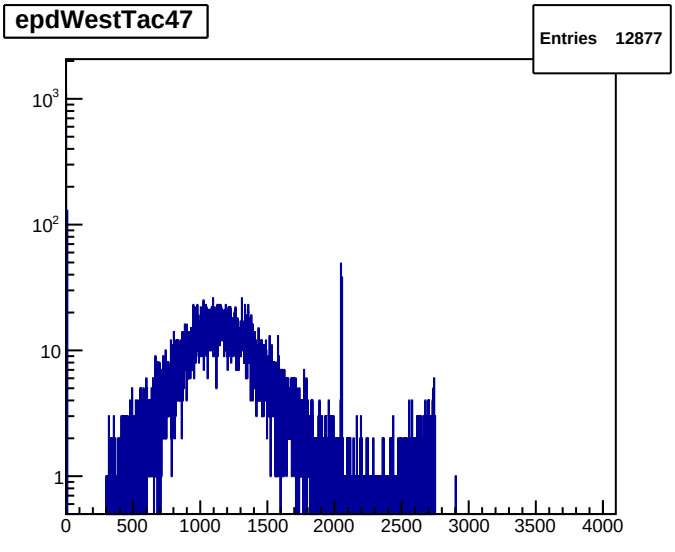

epdEastTac47VsSimu
Entries 0
Data
Simu

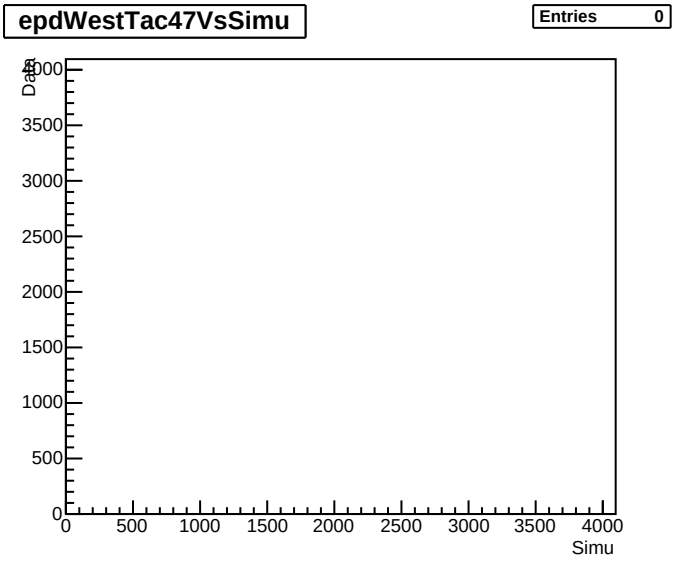

epdEastNHits
Entries 12877

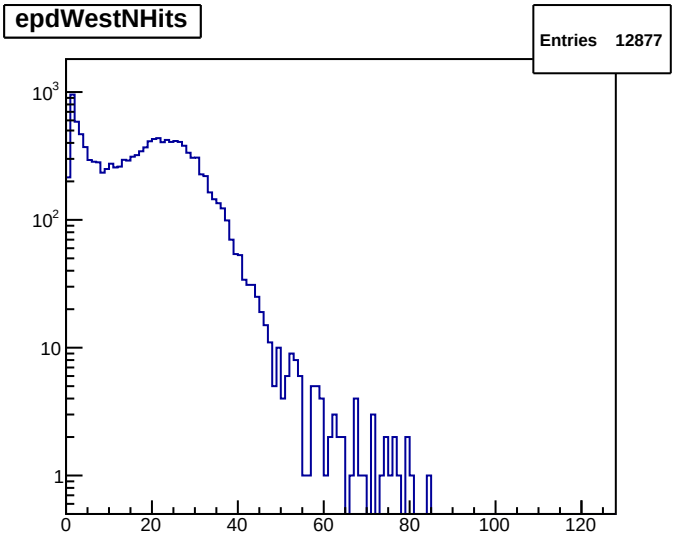

epdEastNHitsVsSimu
Entries 0
Data
Simu

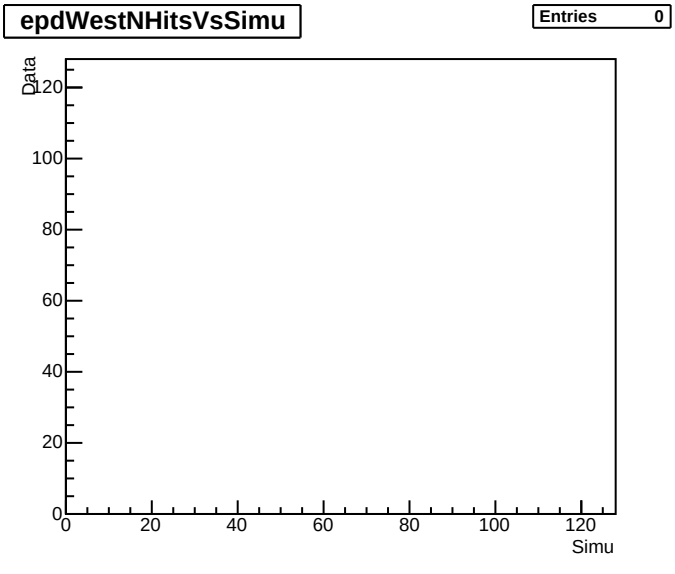

epdWestTac03
Entries 12877

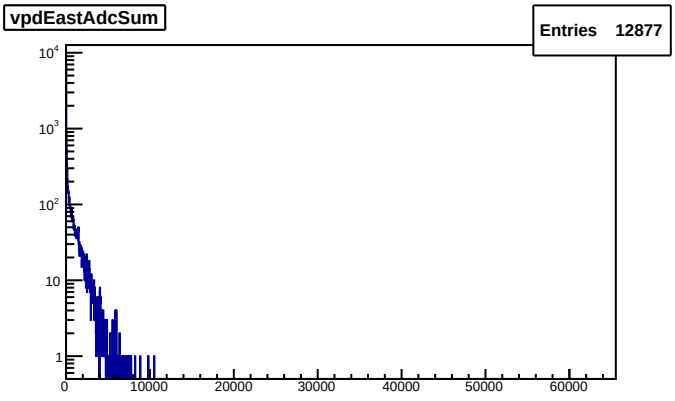

epdWestTac03VsSimu
Entries 0
Data
Simu

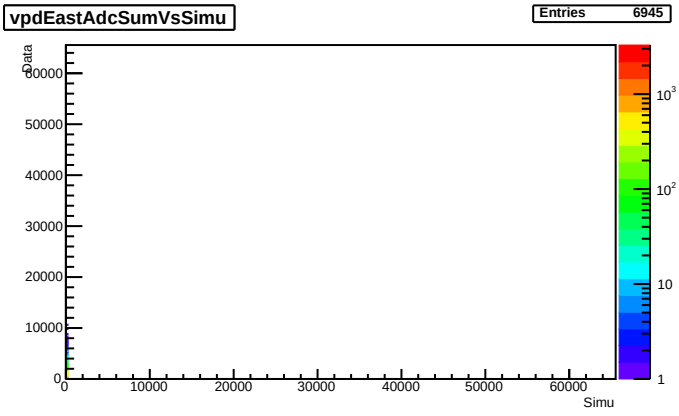

epdWestTac47
Entries 12877

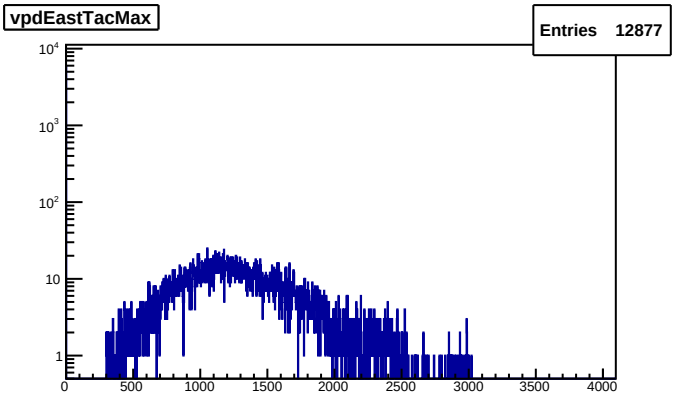

epdWestTac47VsSimu
Entries 0
Data
Simu

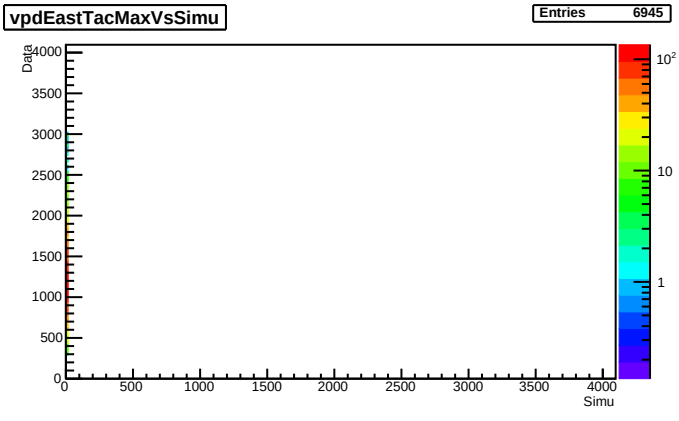

epdWestNHits
Entries 12877

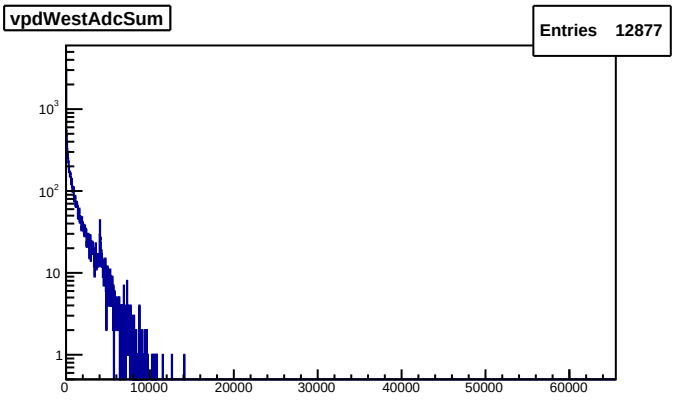

epdWestNHitsVsSimu
Entries 0
Data
Simu

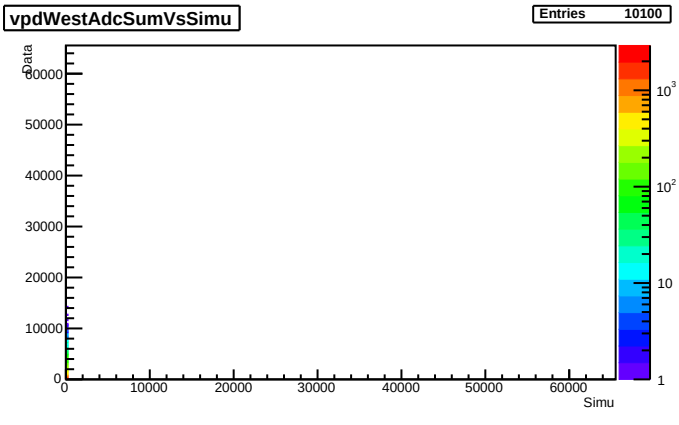

vpdEastAdcSum
Entries 12877

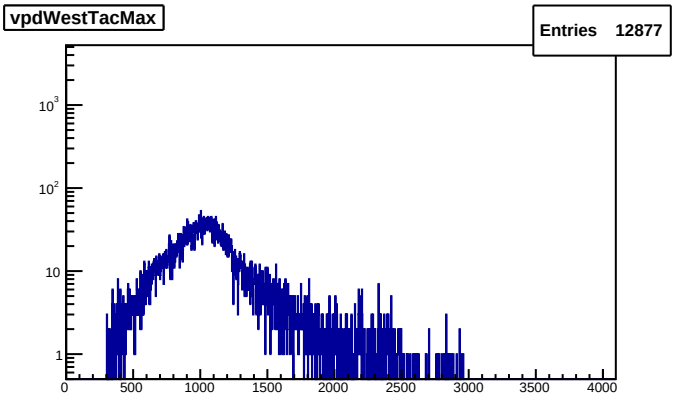

vpdEastAdcSumVsSimu
Entries 6945
Data
Simu

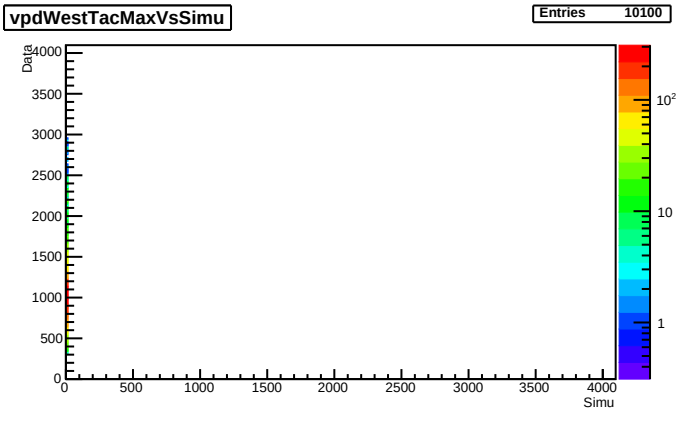

vpdEastTacMax
Entries 12877

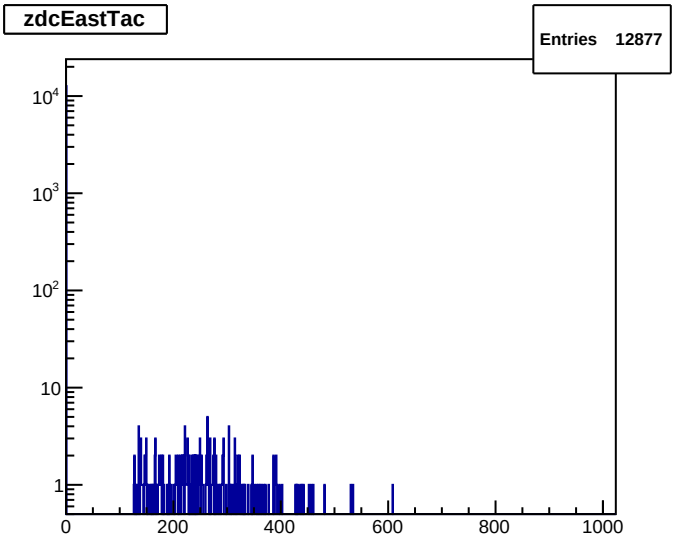

vpdEastTacMaxVsSimu
Entries 6945
Data
Simu

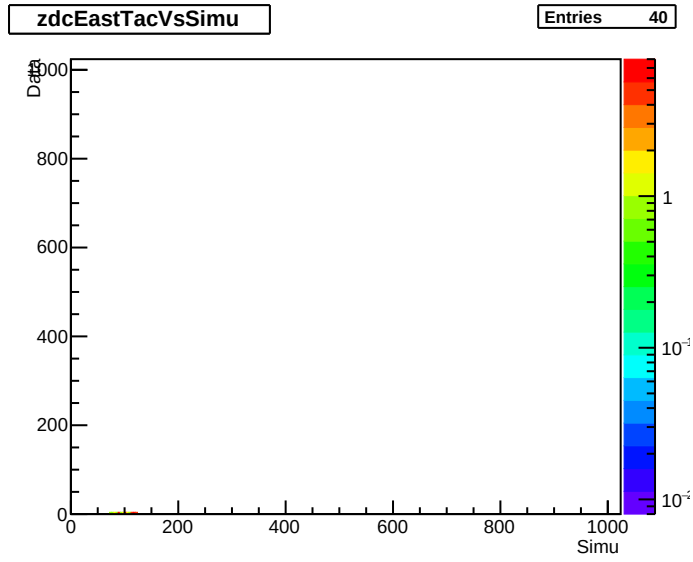

vpdWestAdcSum
Entries 12877

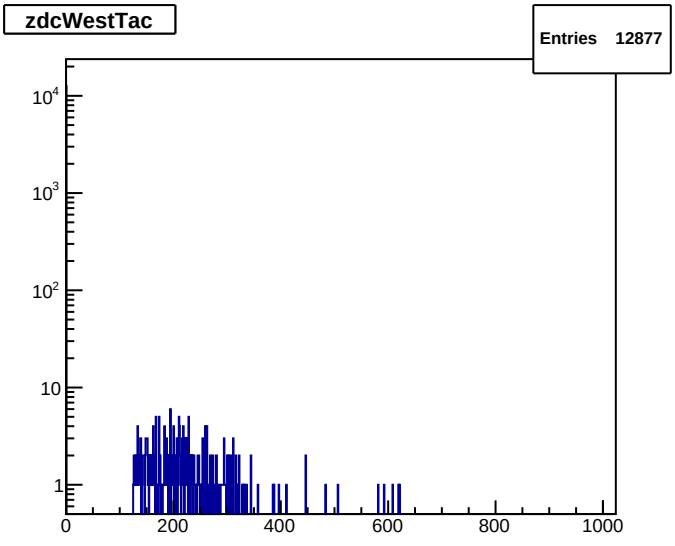

vpdWestAdcSumVsSimu
Entries 10100
Data
Simu

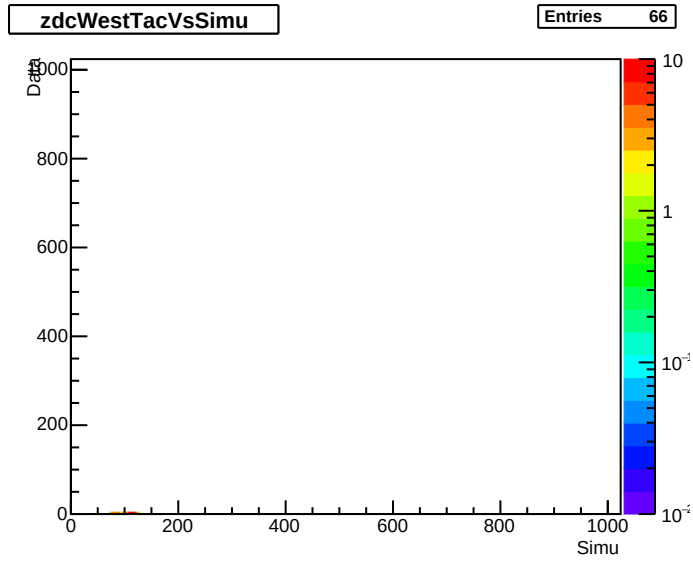

vpdWestTacMax
Entries 12877

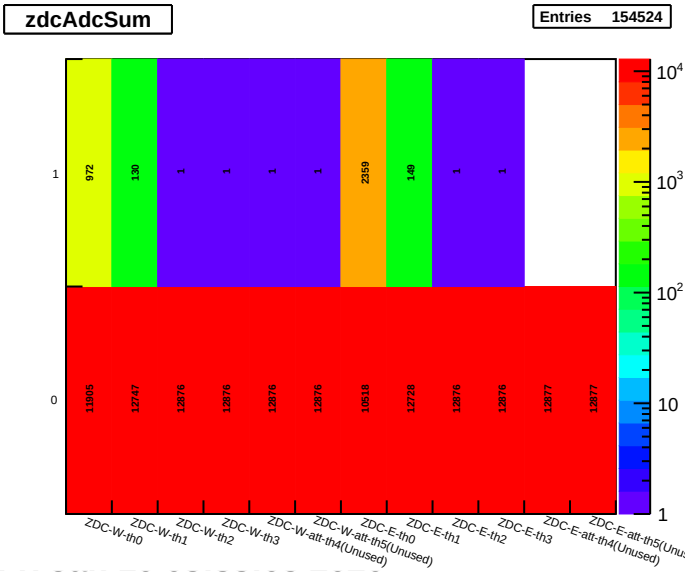

vpdWestTacMaxVsSimu
Entries 10100
Data
Simu

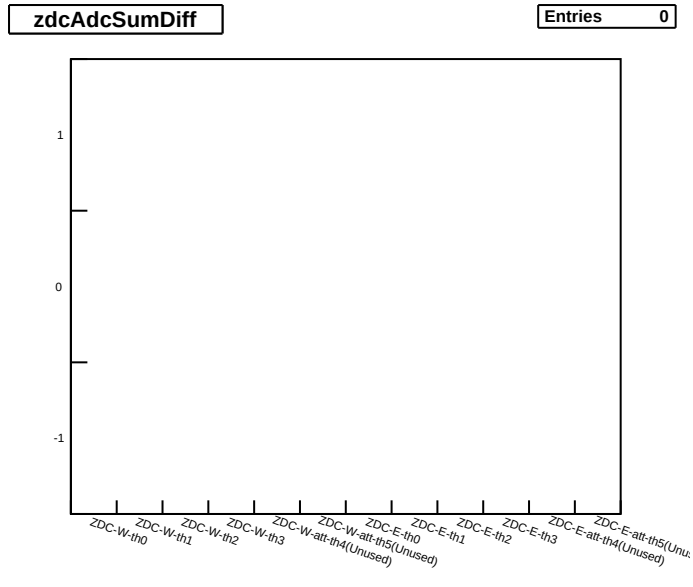

zdcEastTac
Entries 12877

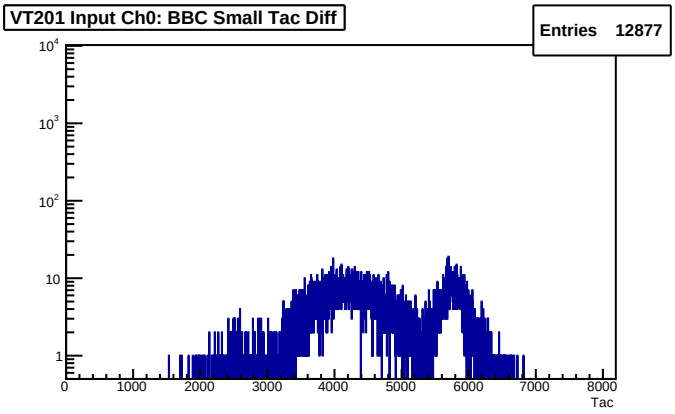

zdcEastTacVsSimu
Entries 40
Data
Simu

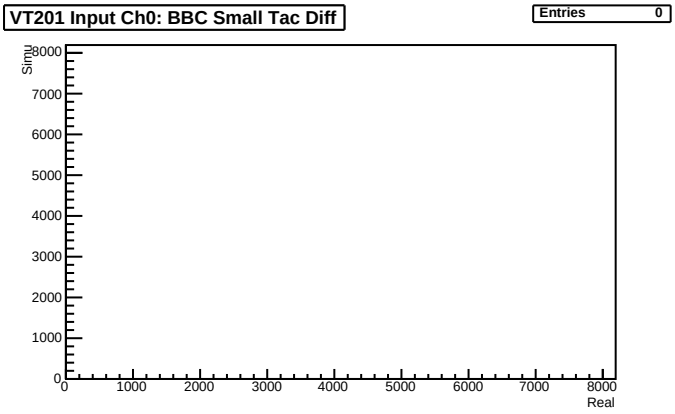

zdcWestTac
Entries 12877

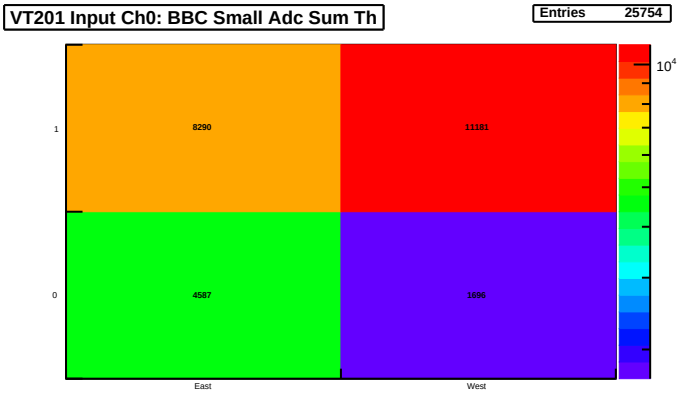

zdcWestTacVsSimu
Entries 66
Data
Simu

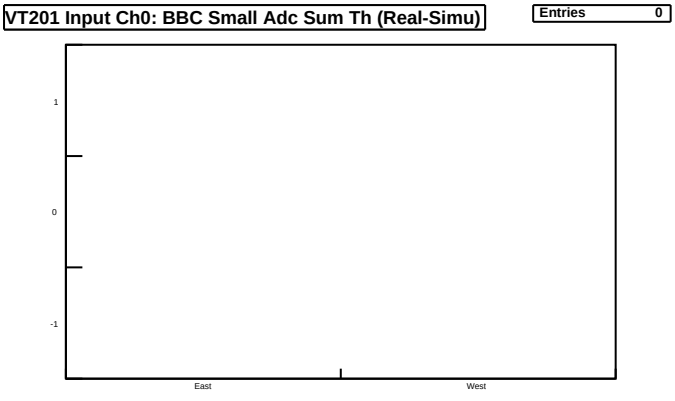

zdcAdcSum
Entries 154524
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

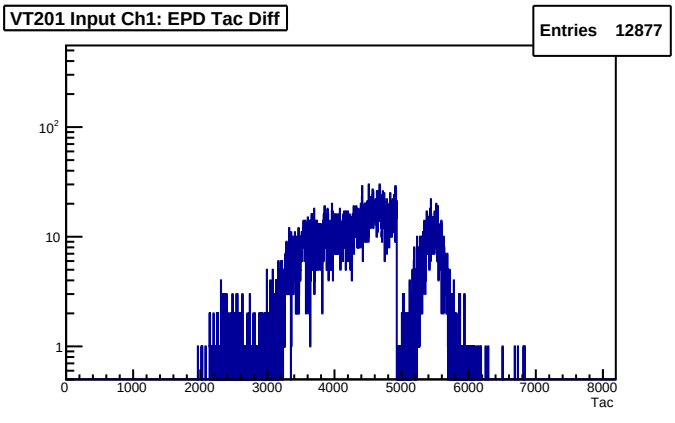

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

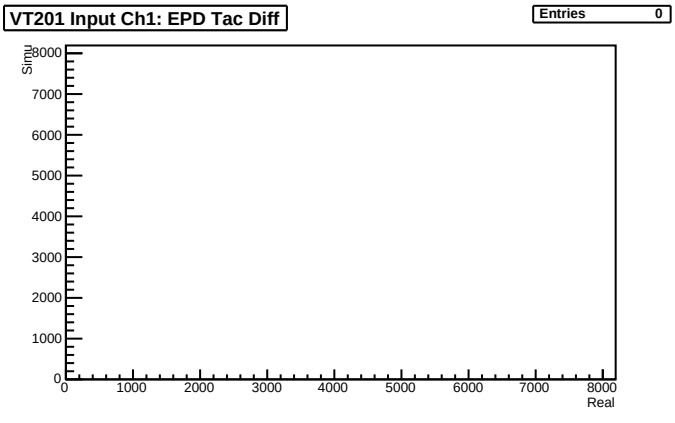

VT201 Input Ch0: BBC Small Tac Diff
Entries 12877
Tac

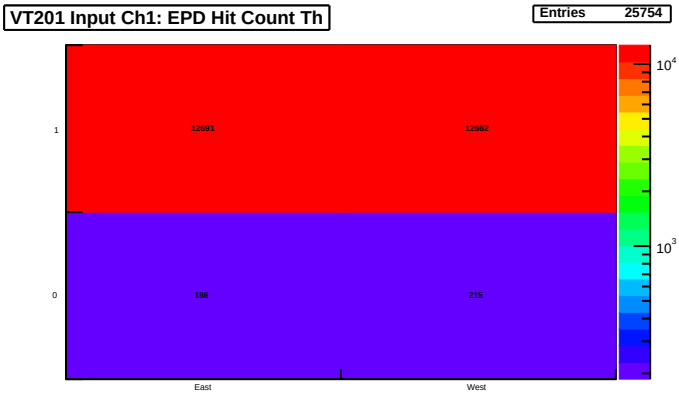

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

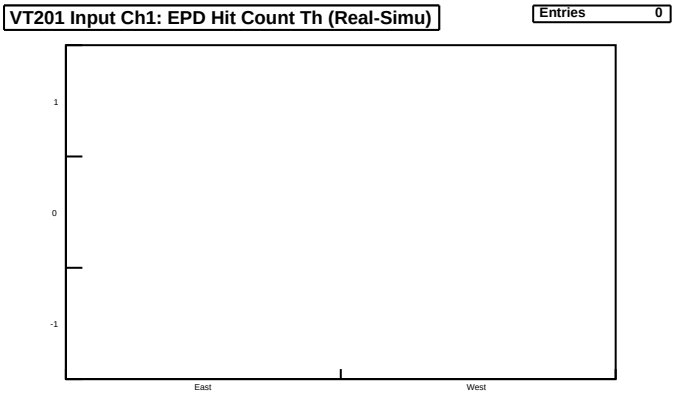

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 25754
8290
11181
4587
1696
East
West

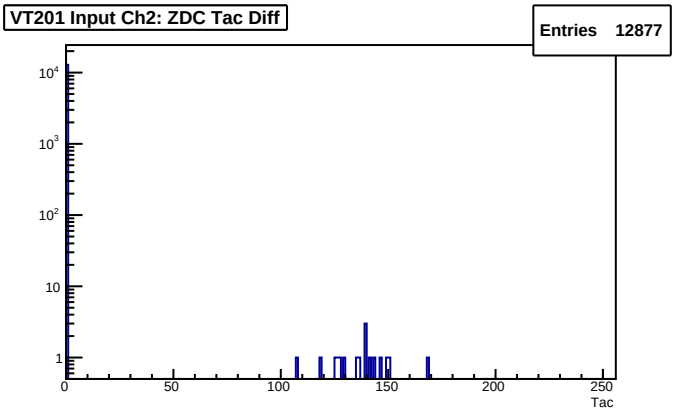

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

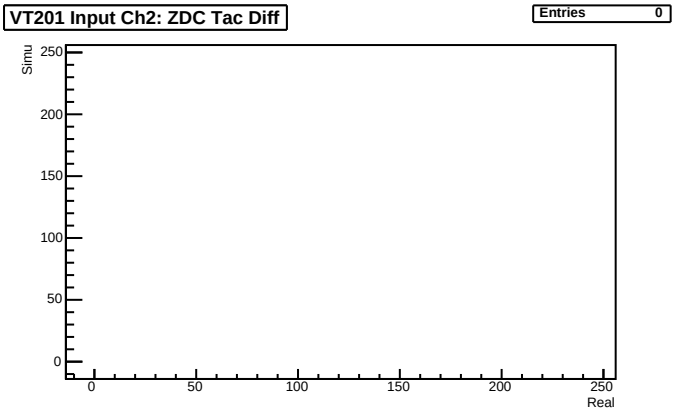

VT201 Input Ch1: EPD Tac Diff
Entries 12877
Tac

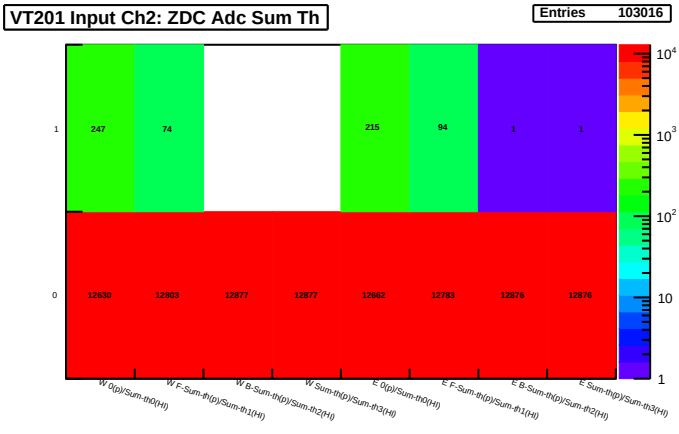

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

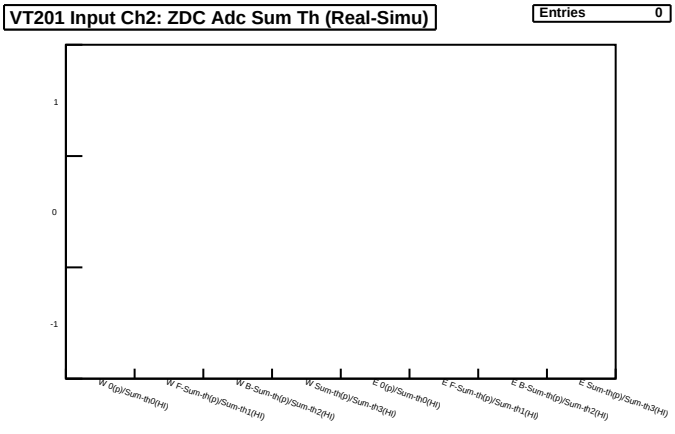

VT201 Input Ch1: EPD Hit Count Th
Entries 25754
12691
12662
186
215
East
West

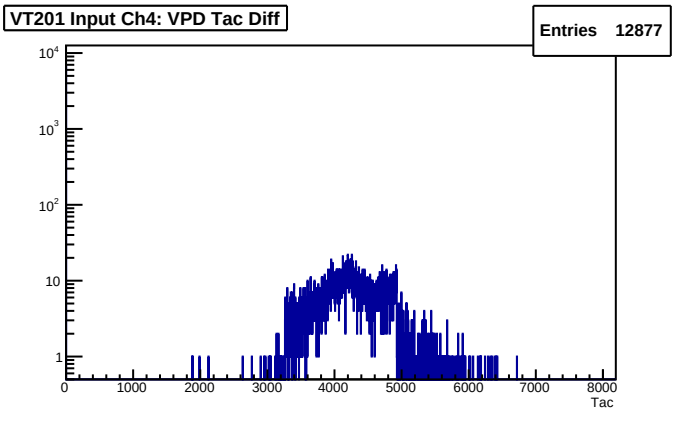

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

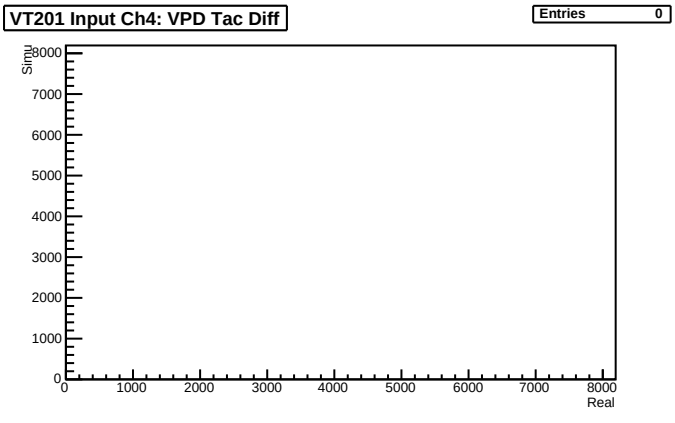

VT201 Input Ch2: ZDC Tac Diff
Entries 12877
Tac

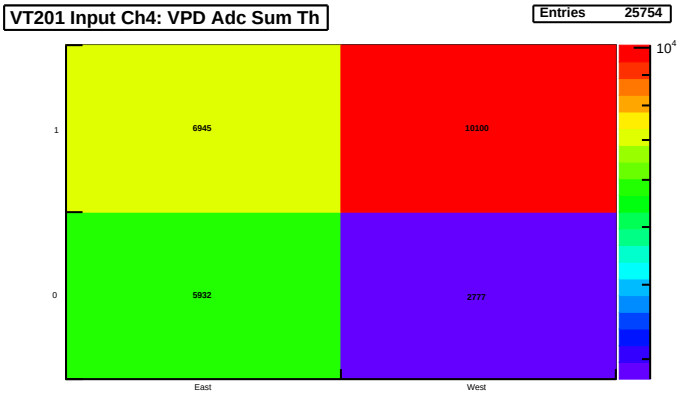

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

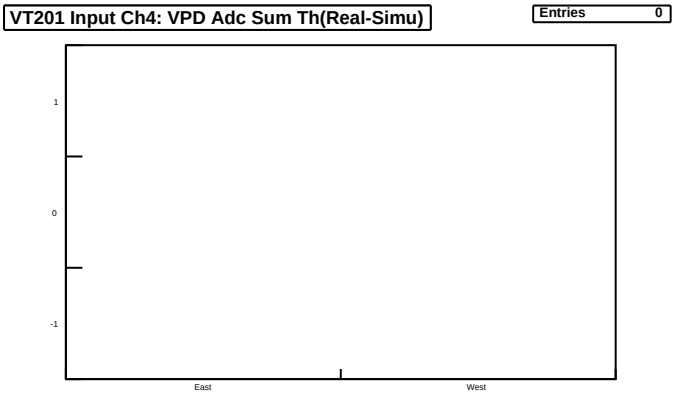

VT201 Input Ch2: ZDC Adc Sum Th
Entries 103016
247
74
215
94
1
1
12630
12803
12877
12877
12662
12783
12876
12876
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

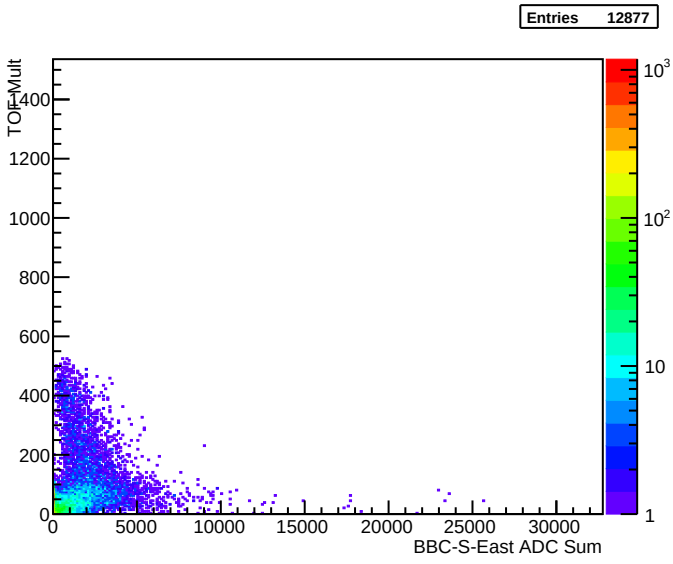

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

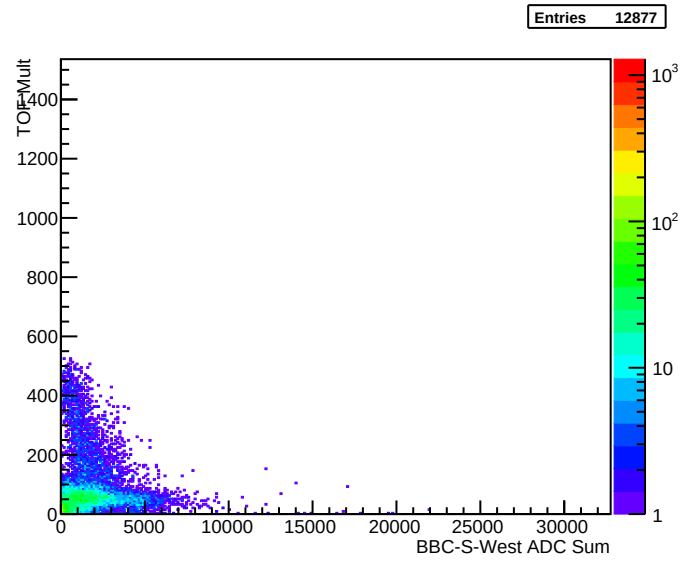

VT201 Input Ch4: VPD Tac Diff
Entries 12877
Tac

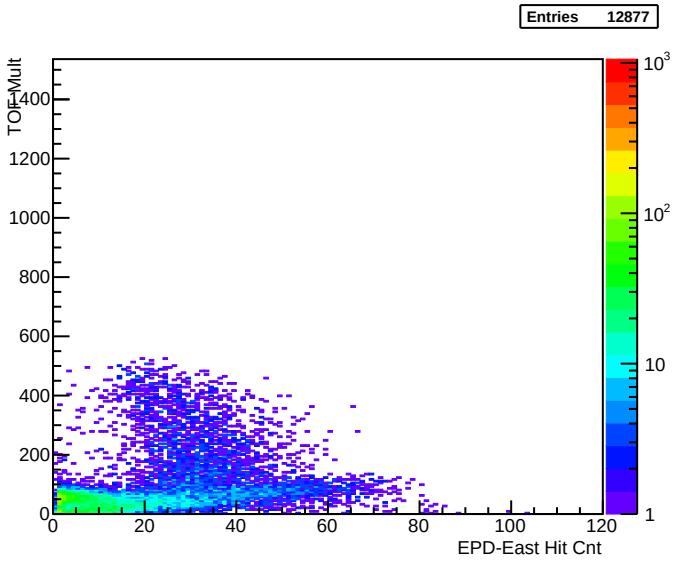

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

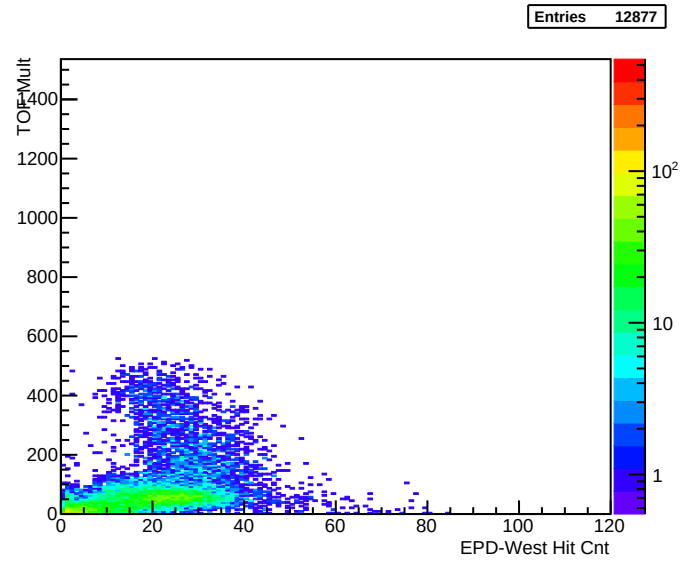

VT201 Input Ch4: VPD Adc Sum Th
Entries 25754
6945
10100
5932
2777
East
West

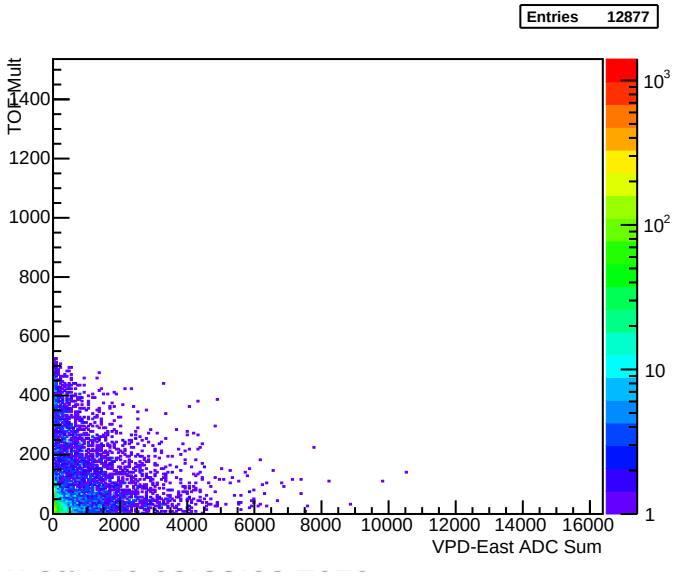

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

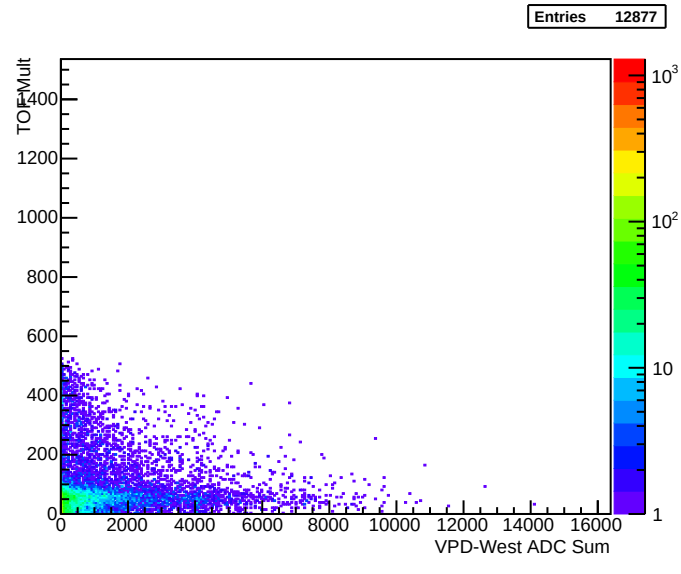

Entries 12877
TOF-Mult
BBC-S-East ADC Sum

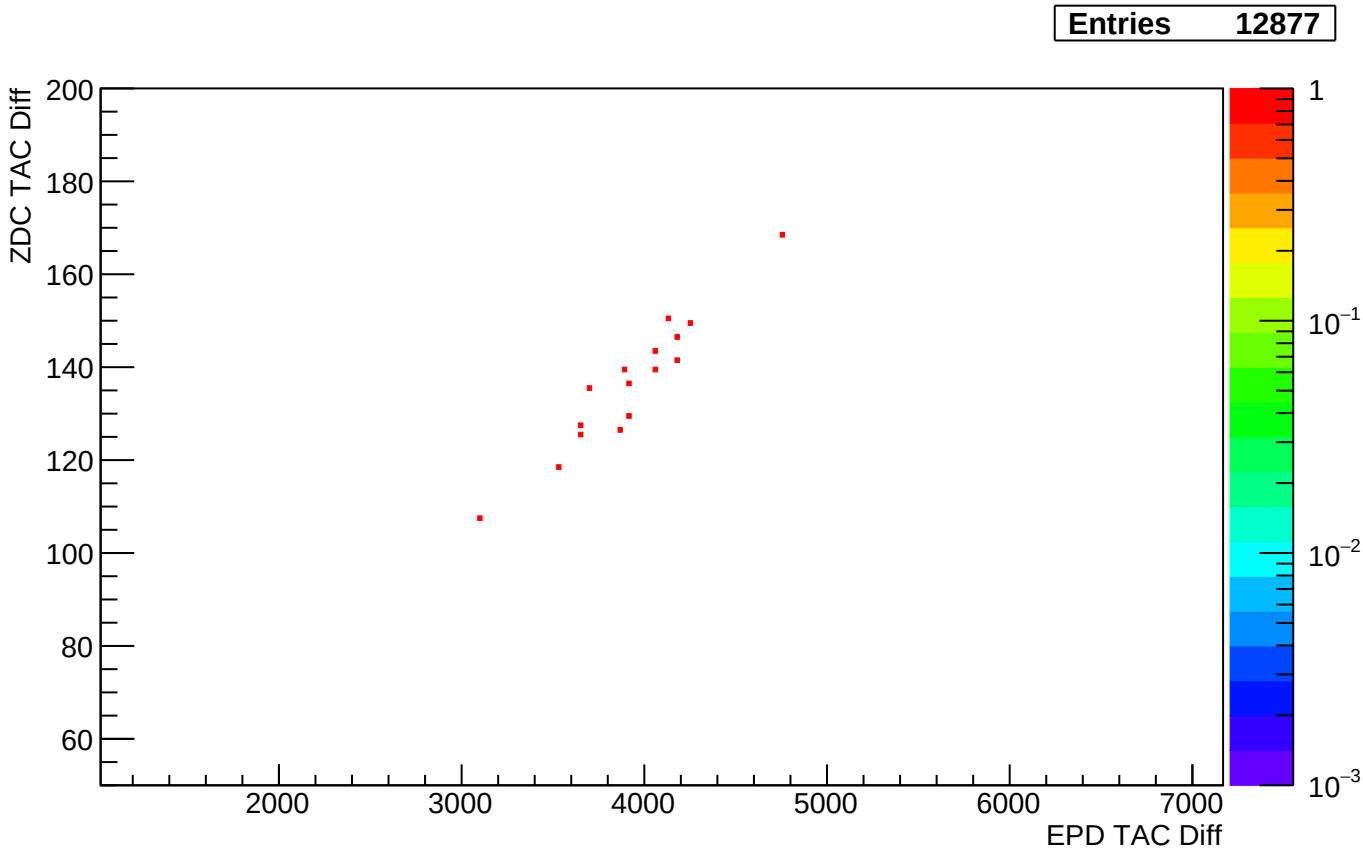

Entries 12877
TOF-Mult
BBC-S-West ADC Sum

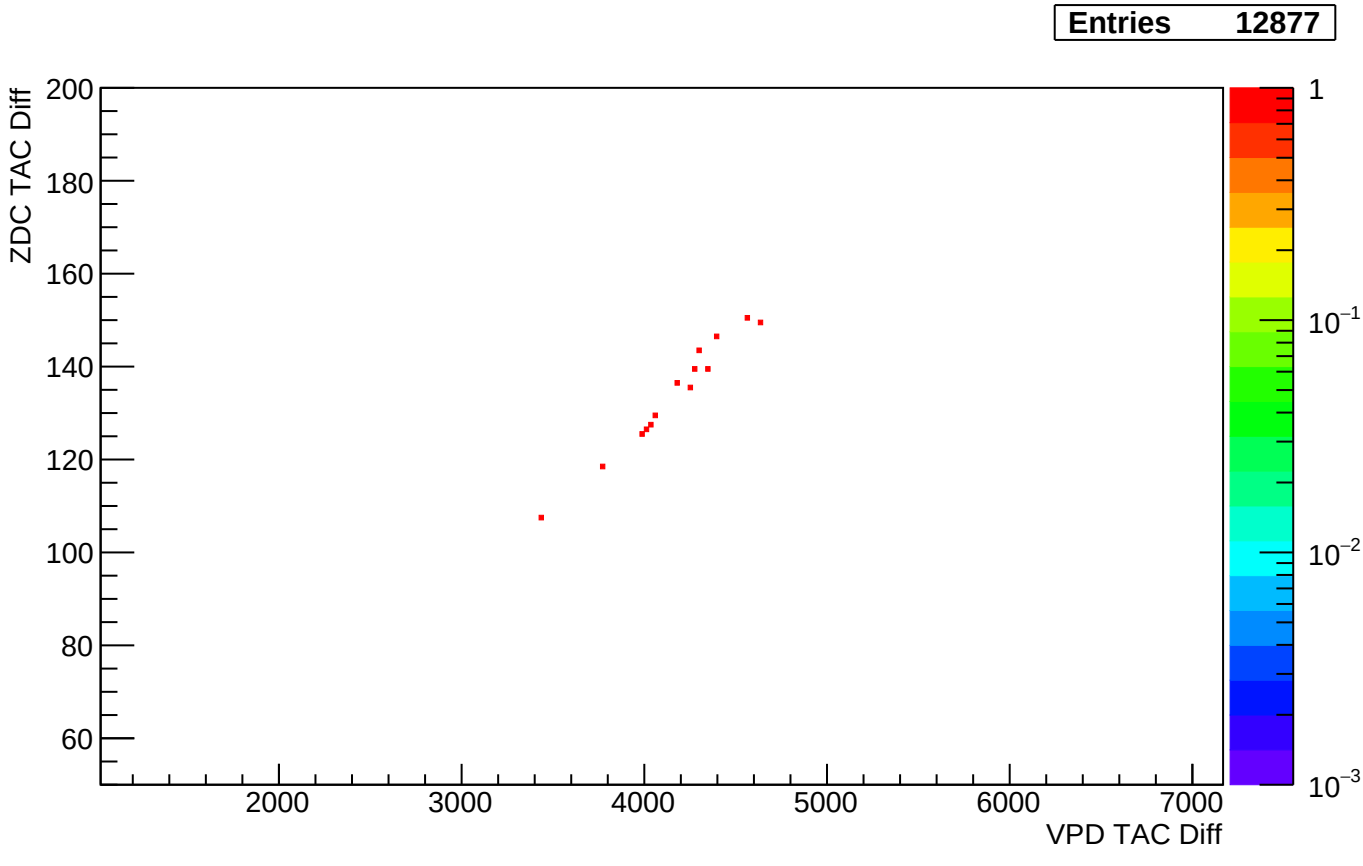

Entries 12877
TOF-Mult
EPD-East Hit Cnt

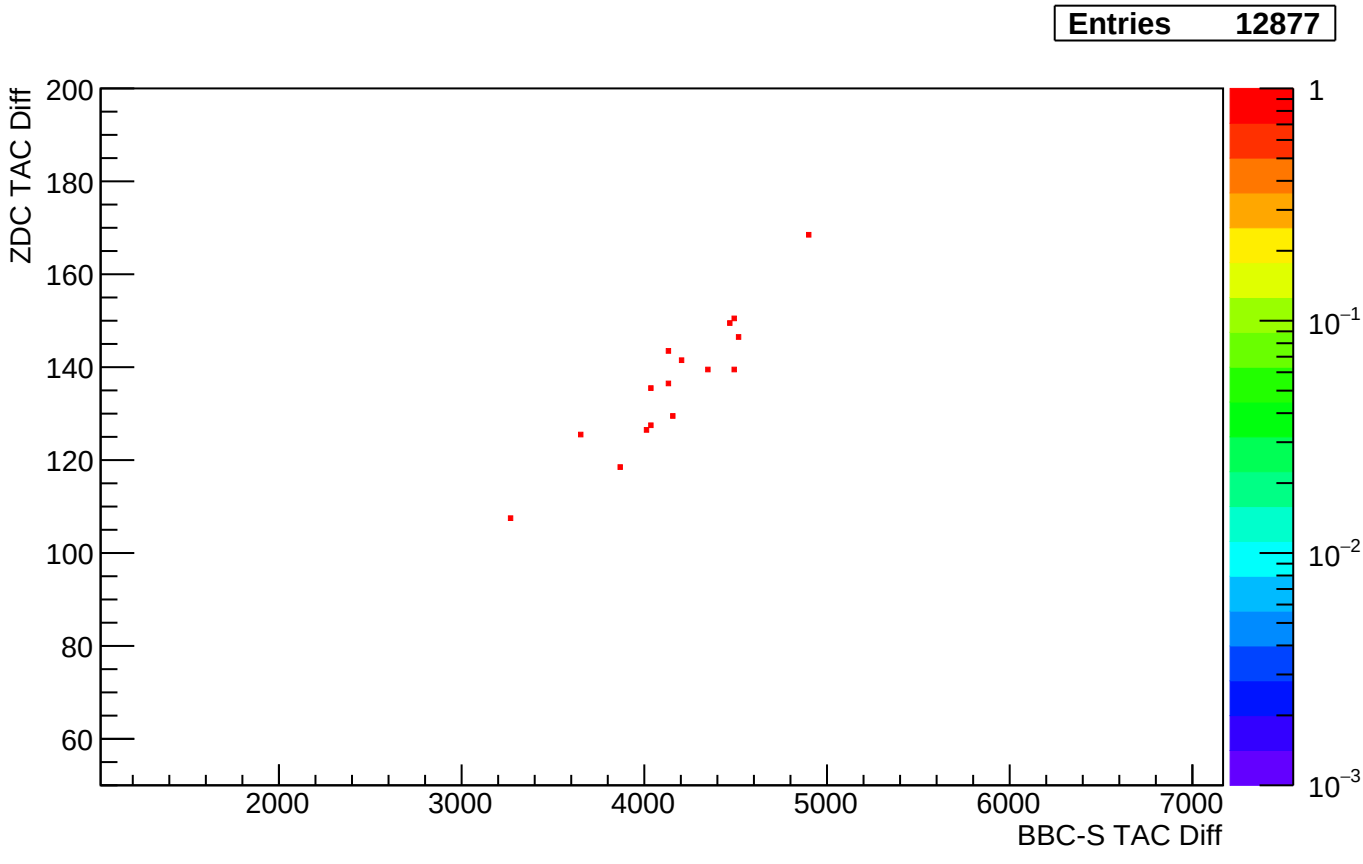

Entries 12877
TOF-Mult
EPD-West Hit Cnt

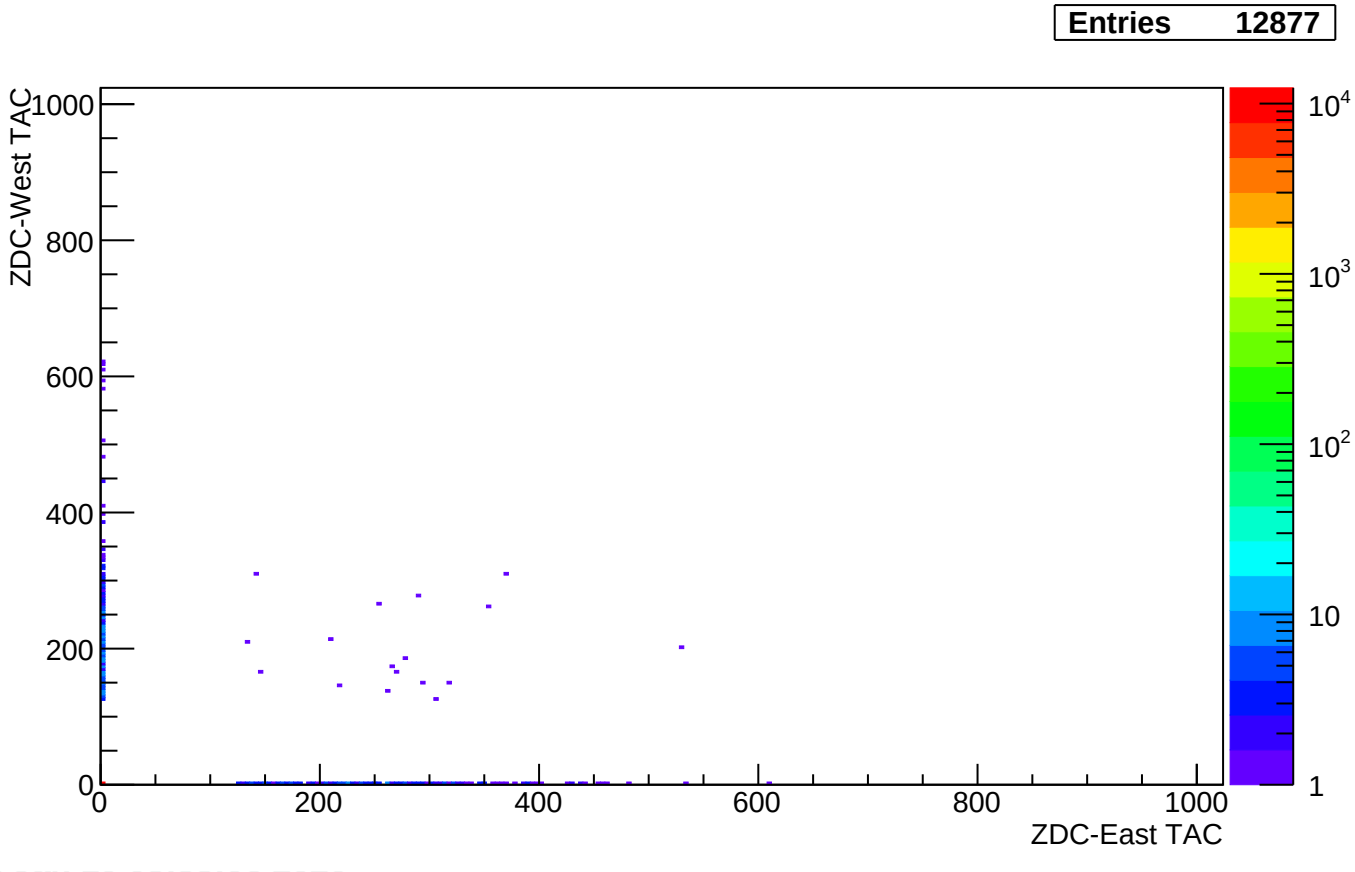

Entries 12877
TOF-Mult
VPD-East ADC Sum

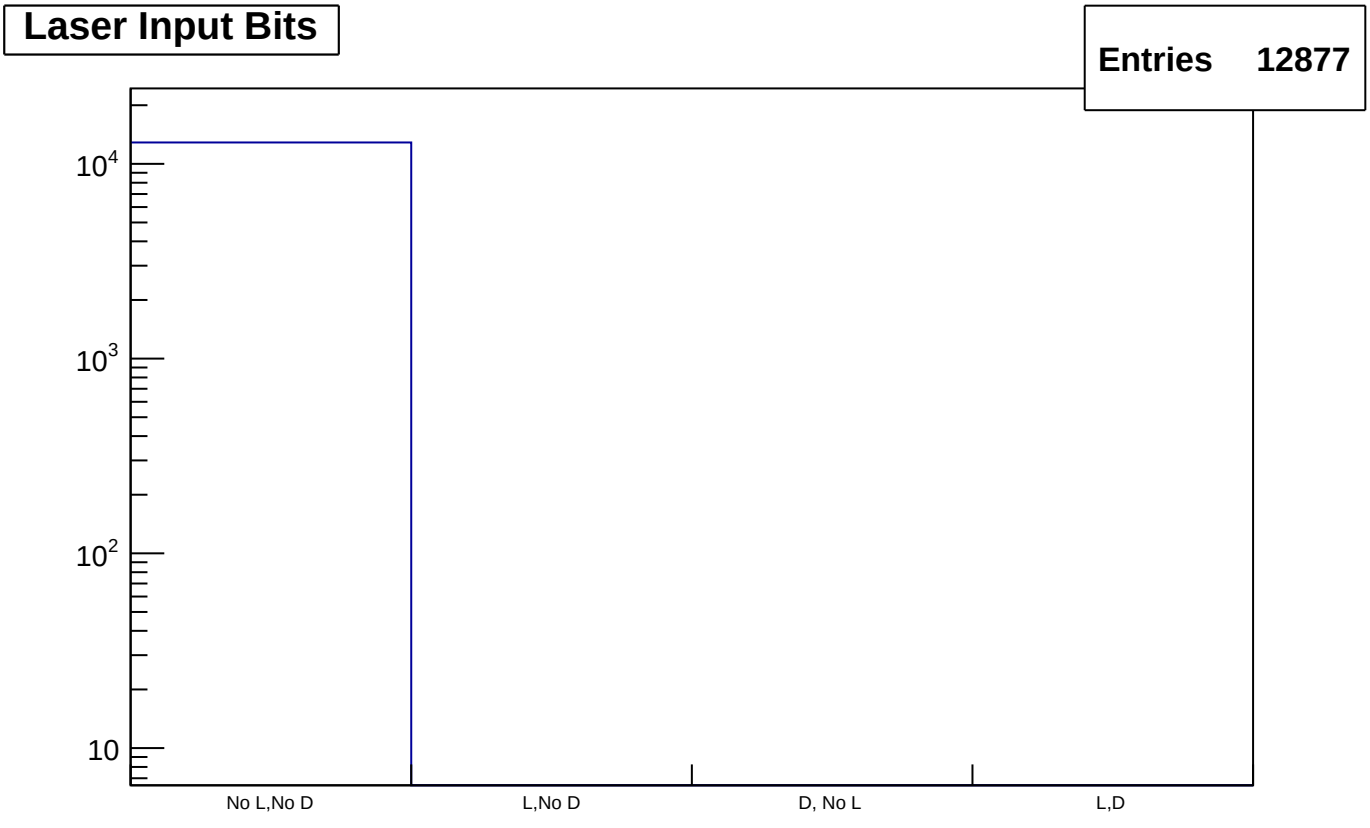

Entries 12877
TOF-Mult
VPD-West ADC Sum

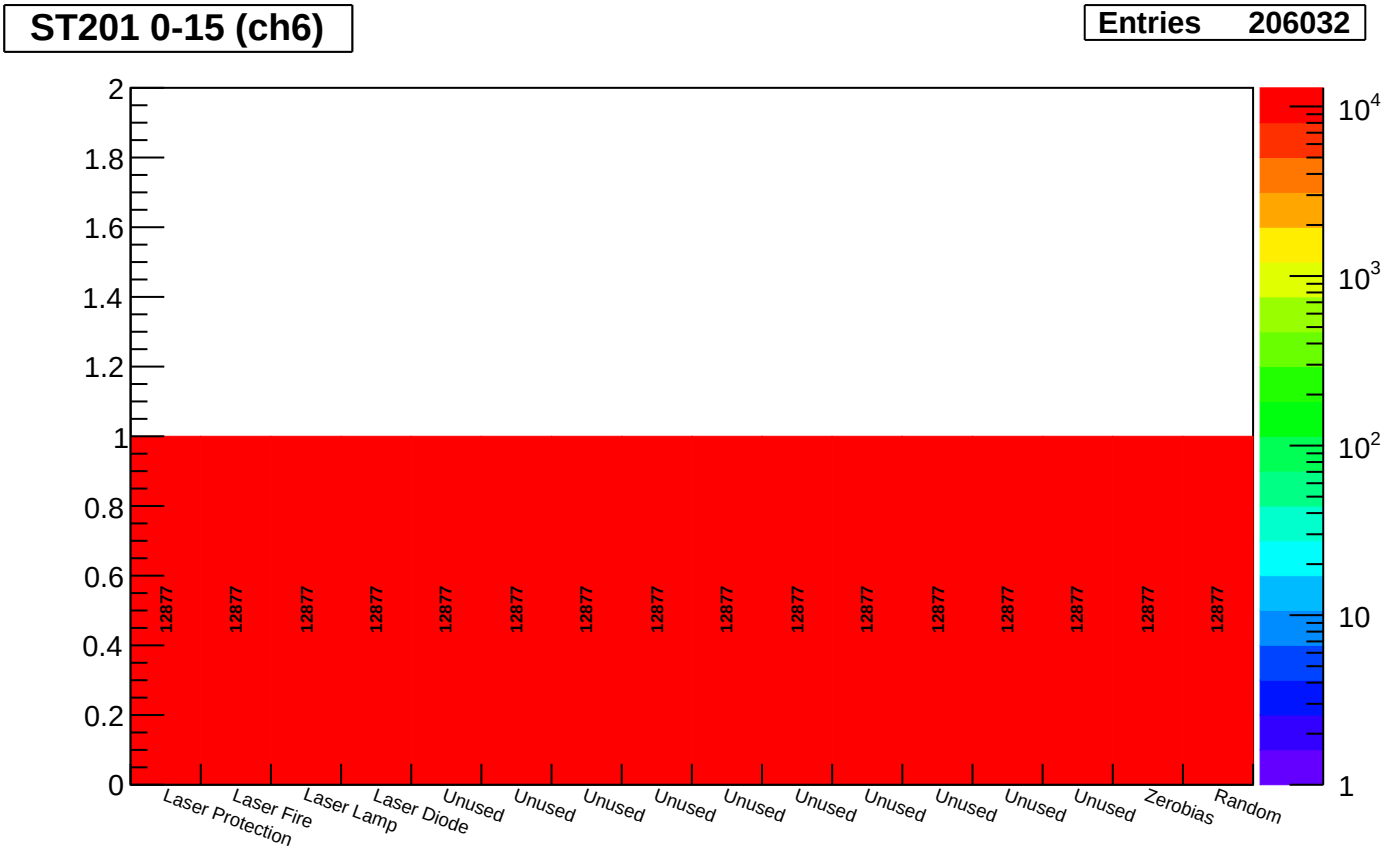

Entries 12877
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

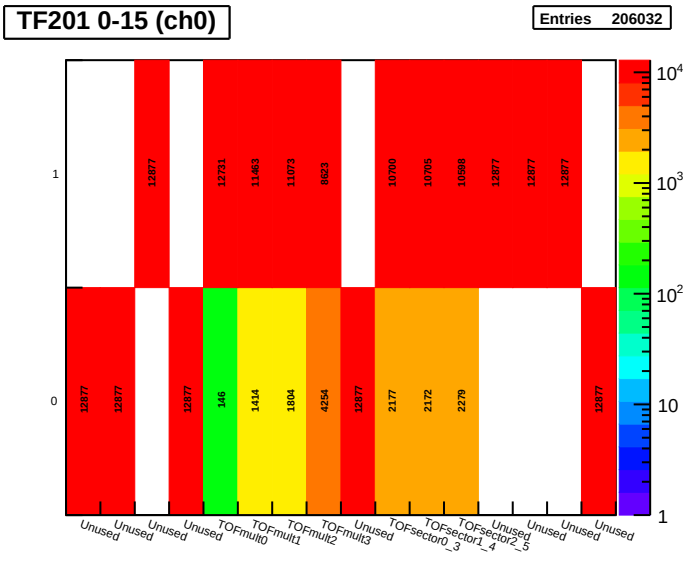

Entries 12877
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

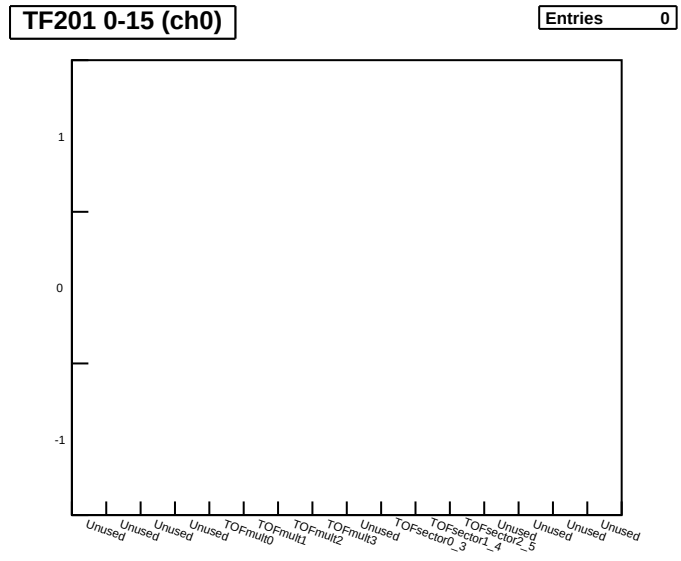

Entries 12877
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

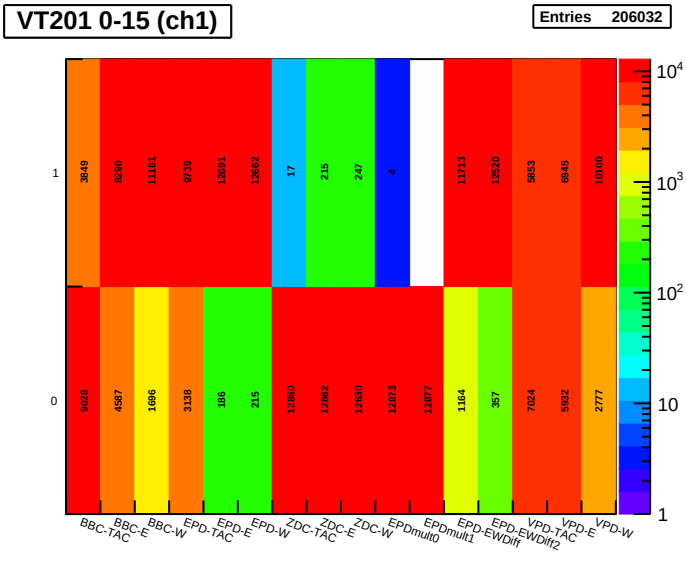

Entries 12877
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

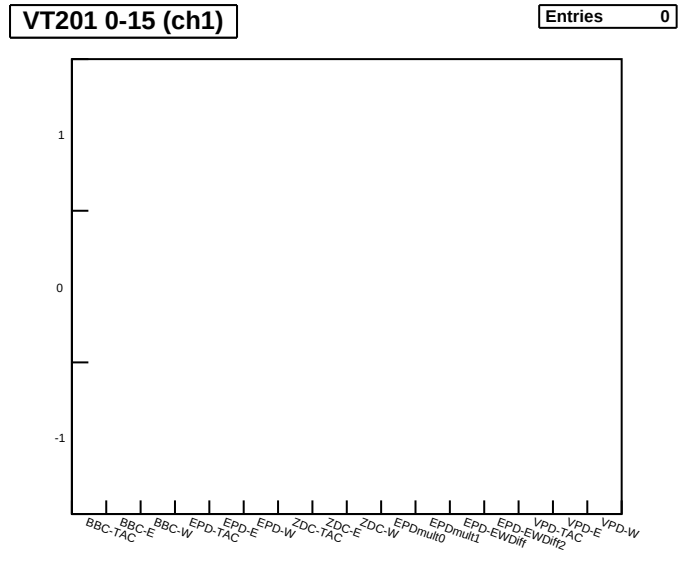

Laser Input Bits
Entries 12877
10^4
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

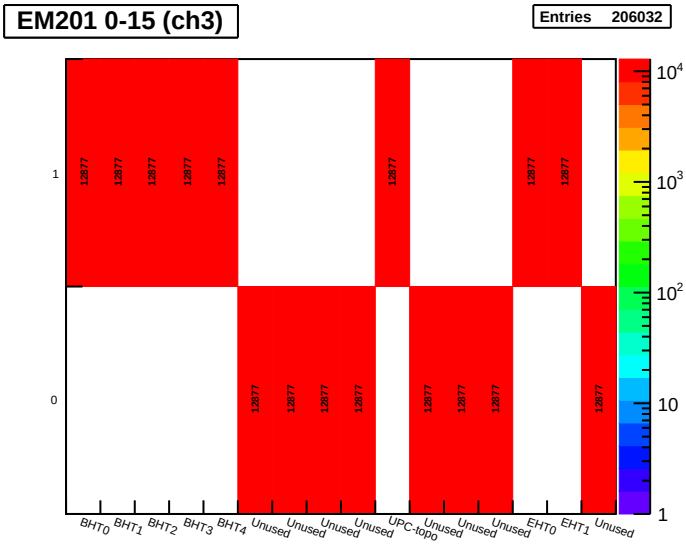

ST201 0-15 (ch6)
Entries 206032
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
12877
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^4
10^3
10^2
10
1

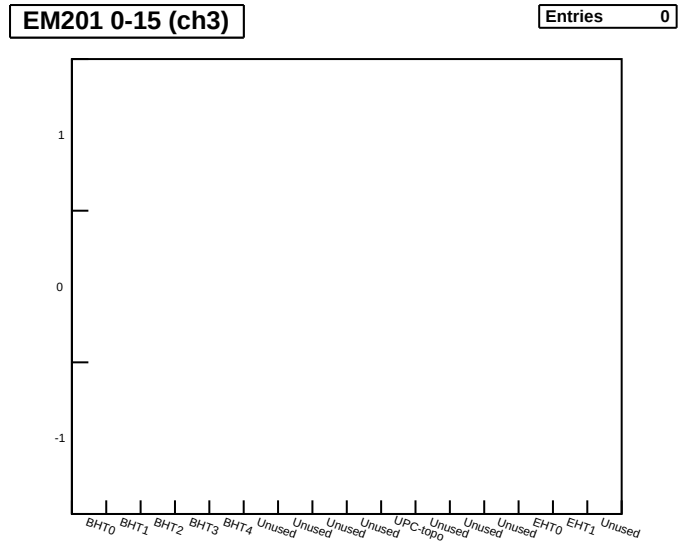

TF201 0-15 (ch0)
Entries 206032
1
0
12877
12731
11463
11073
8623
10700
10705
10598
12877
12877
12877
12877
12877
146
1414
1804
4254
12877
2177
2172
2279
12877
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^4
10^3
10^2
10
1


TF201 0-15 (ch0)
Entries 0
1
0
-1
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5


VT201 0-15 (ch1)
Entries 206032
1
0
3849
8290
11161
9739
13691
12662
17
215
247
4
11713
12520
5853
6945
10100
9028
4587
1696
3138
186
215
12860
12662
12630
12873
12877
1164
357
7024
5932
2777
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
10^4
10^3
10^2
10
1


VT201 0-15 (ch1)
Entries 0
1
0
-1
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W


EM201 0-15 (ch3)
Entries 206032
1
0
12877
12877
12877
12877
12877
12877
12877
12877
12877
12877
12877
12877
12877
12877
12877
12877
12877
12877
12877
12877
12877
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
10^4
10^3
10^2
10
1


EM201 0-15 (ch3)
Entries 0
1
0
-1
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1