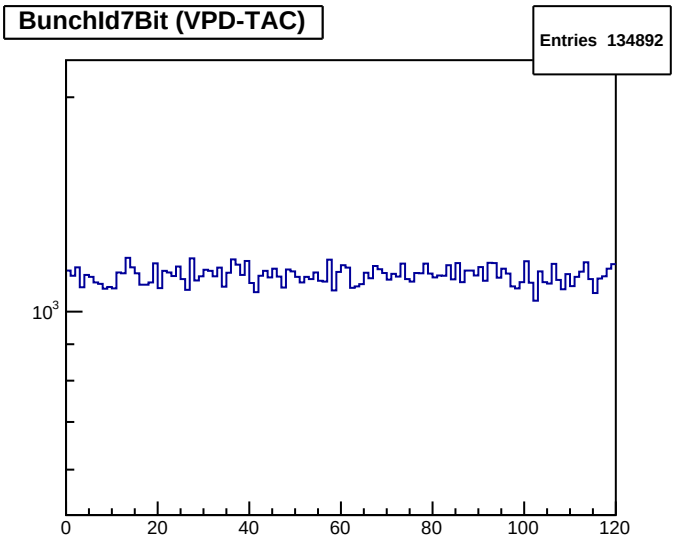
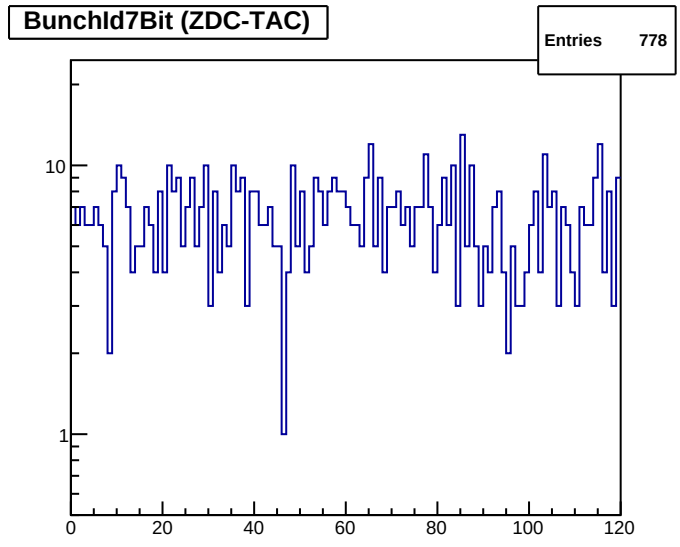
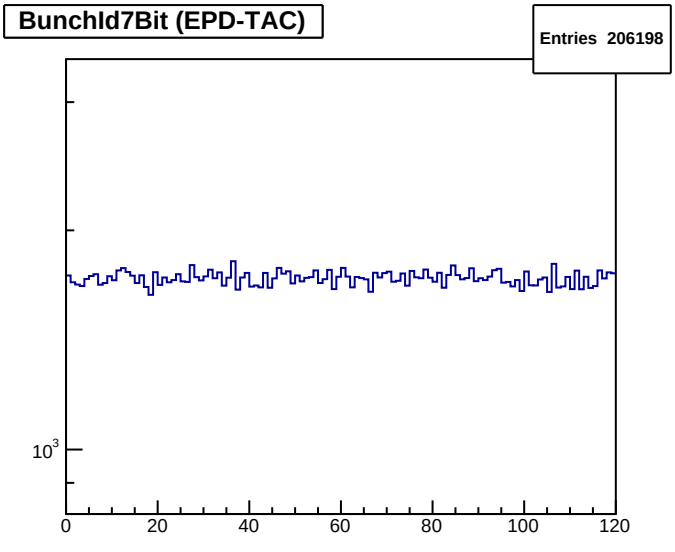
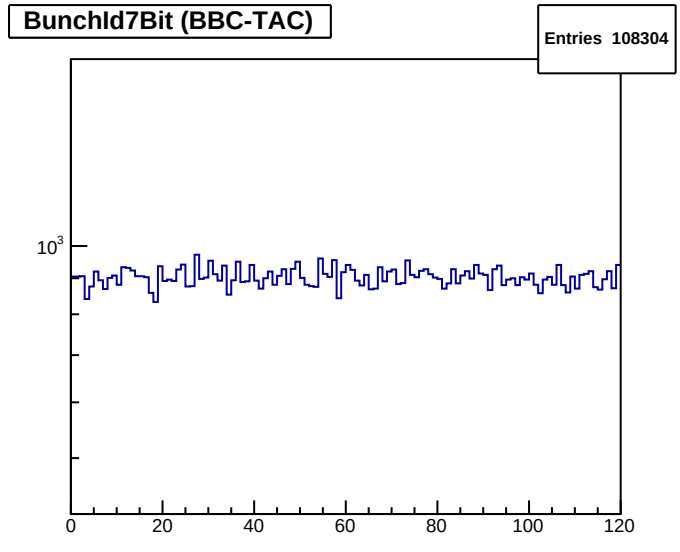
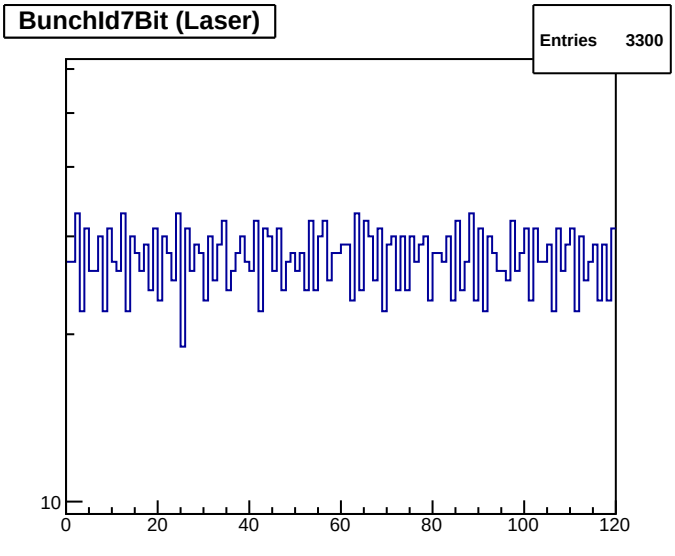
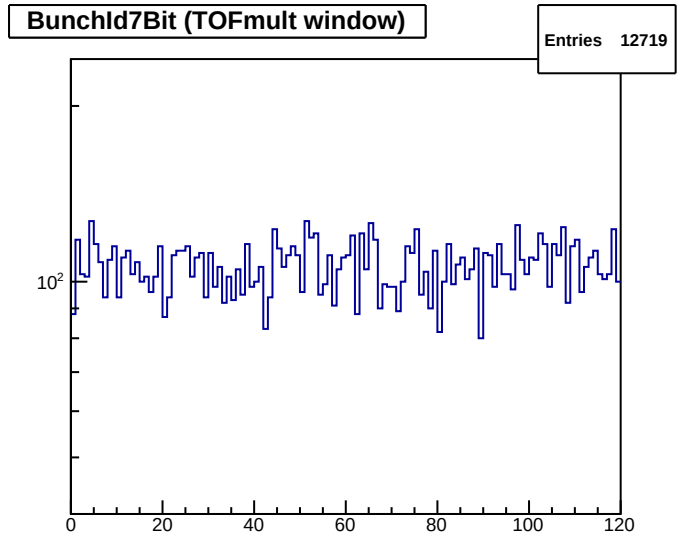

BunchId7Bit (VPD-TAC)
Entries 134892
10^3
0 20 40 60 80 100 120

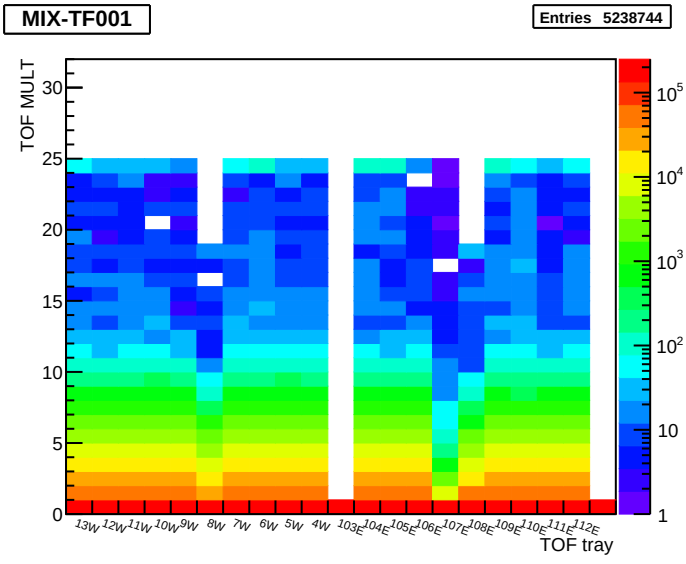

BunchId7Bit (ZDC-TAC)
Entries 778
10
1
0 20 40 60 80 100 120

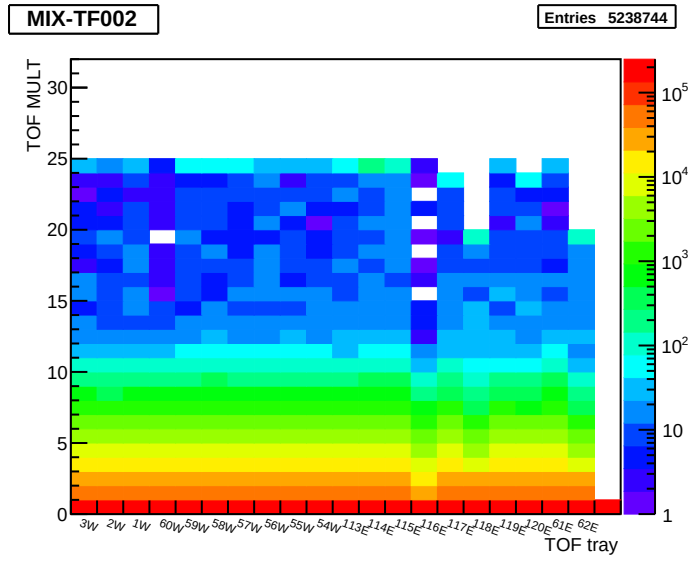

BunchId7Bit (EPD-TAC)
Entries 206198
10^3
0 20 40 60 80 100 120

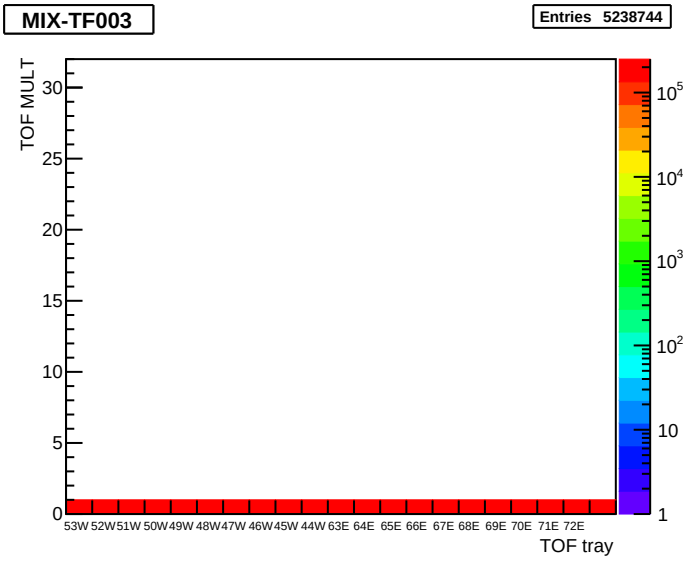

BunchId7Bit (BBC-TAC)
Entries 108304
10^3
0 20 40 60 80 100 120

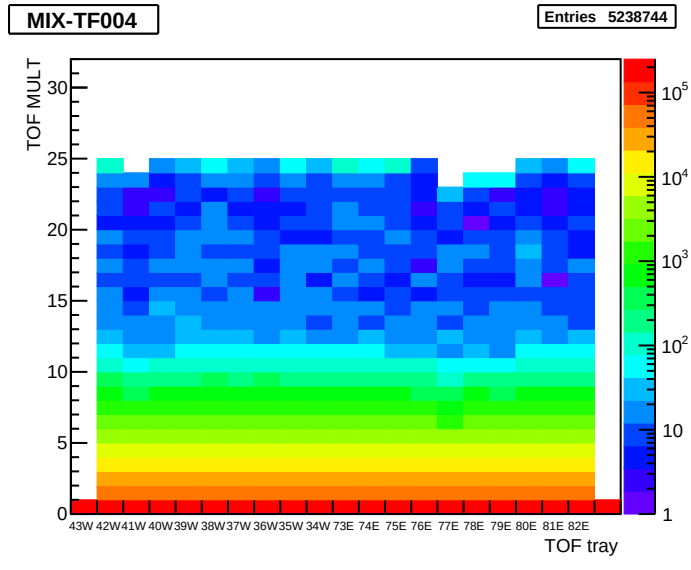

BunchId7Bit (Laser)
Entries 3300
10
0 20 40 60 80 100 120

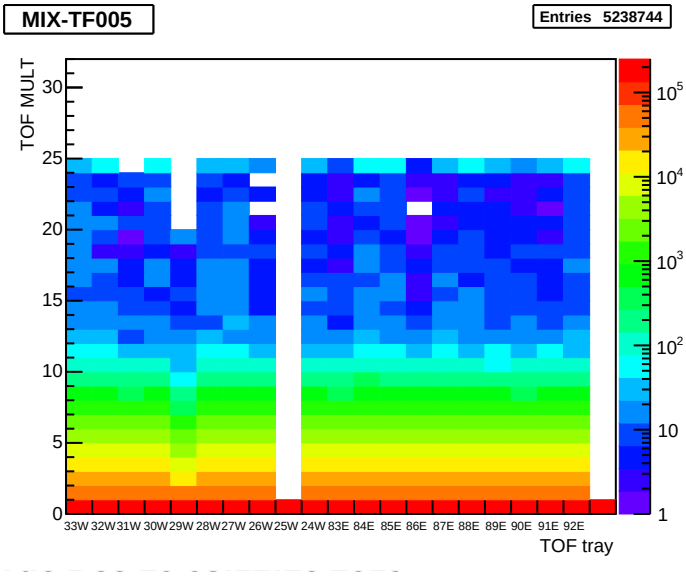

BunchId7Bit (TOFmult window)
Entries 12719
10^2
0 20 40 60 80 100 120

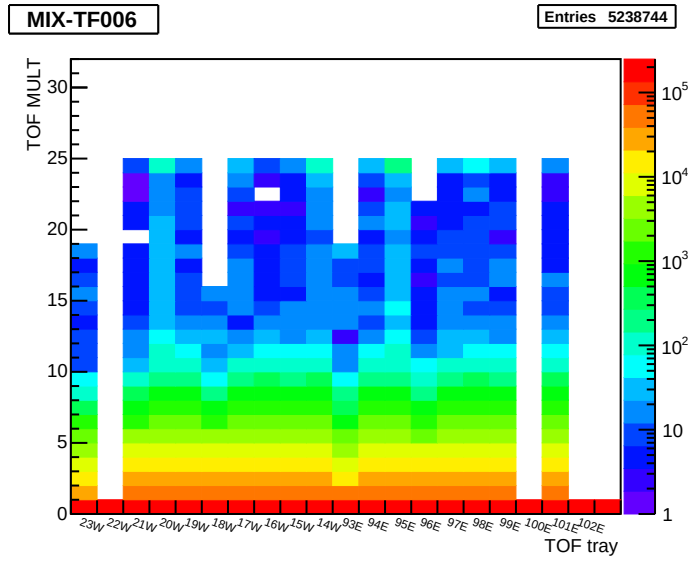

MIX-TF001
Entries 5238744
TOF MULT
TOF tray

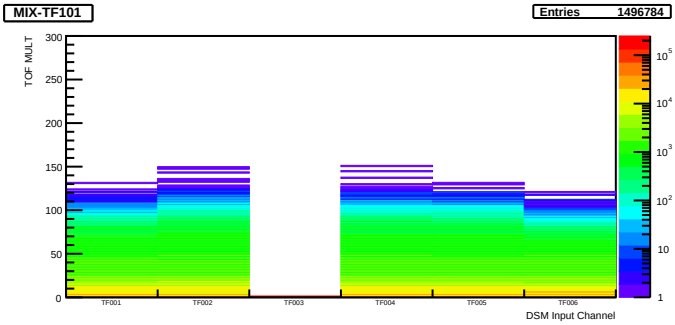

MIX-TF002
Entries 5238744
TOF MULT
TOF tray

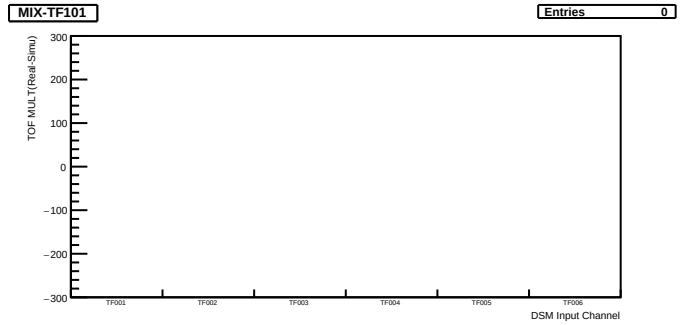

MIX-TF003
Entries 5238744
TOF MULT
TOF tray

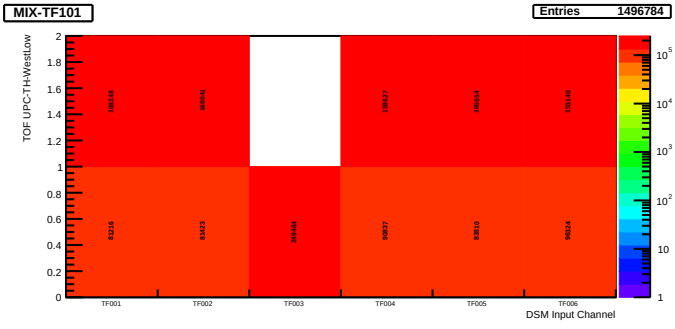

MIX-TF004
Entries 5238744
TOF MULT
TOF tray

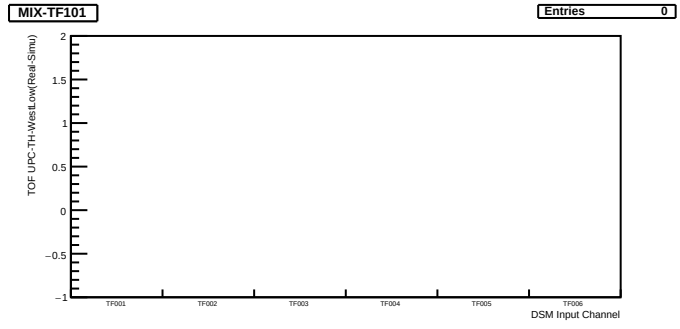

MIX-TF005
Entries 5238744
TOF MULT
TOF tray

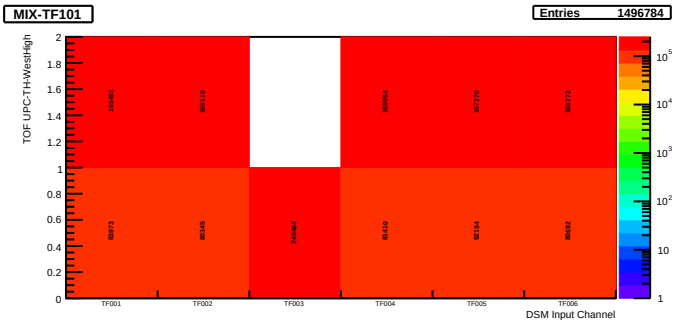

MIX-TF006
Entries 5238744
TOF MULT
TOF tray

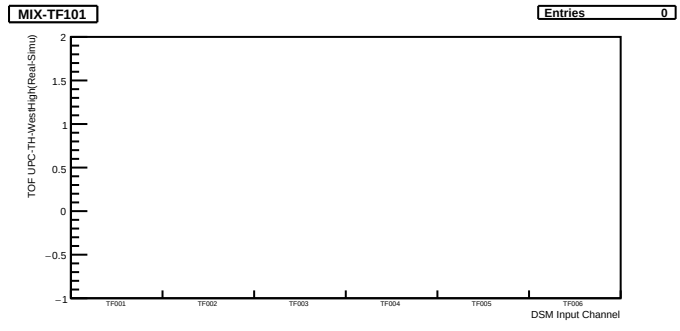

MIX-TF101
Entries 1496784
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

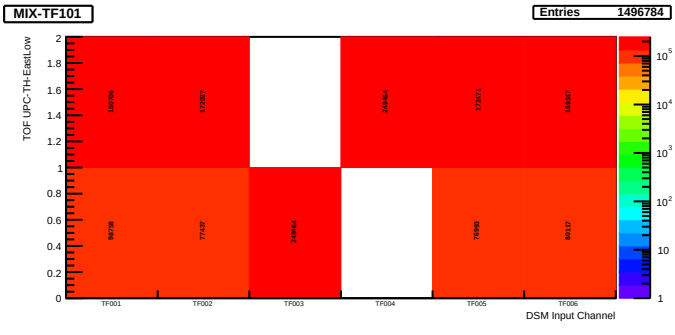

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

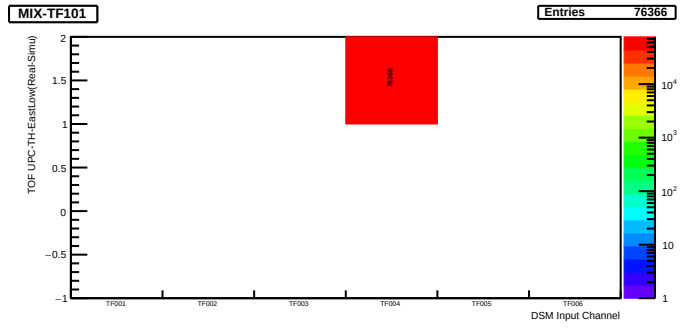

MIX-TF101
Entries 1496784
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

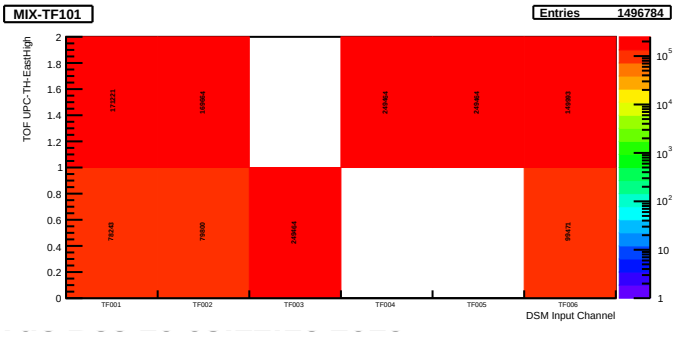

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

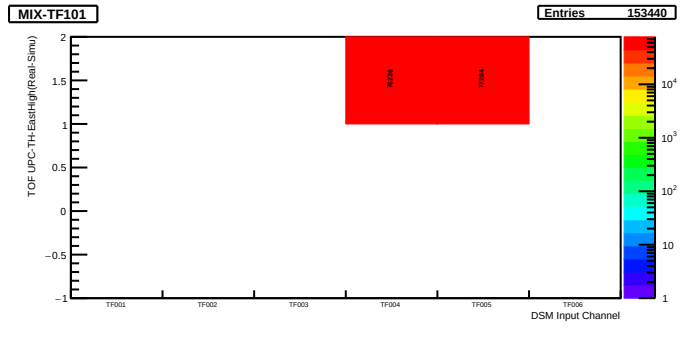

MIX-TF101
Entries 1496784
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

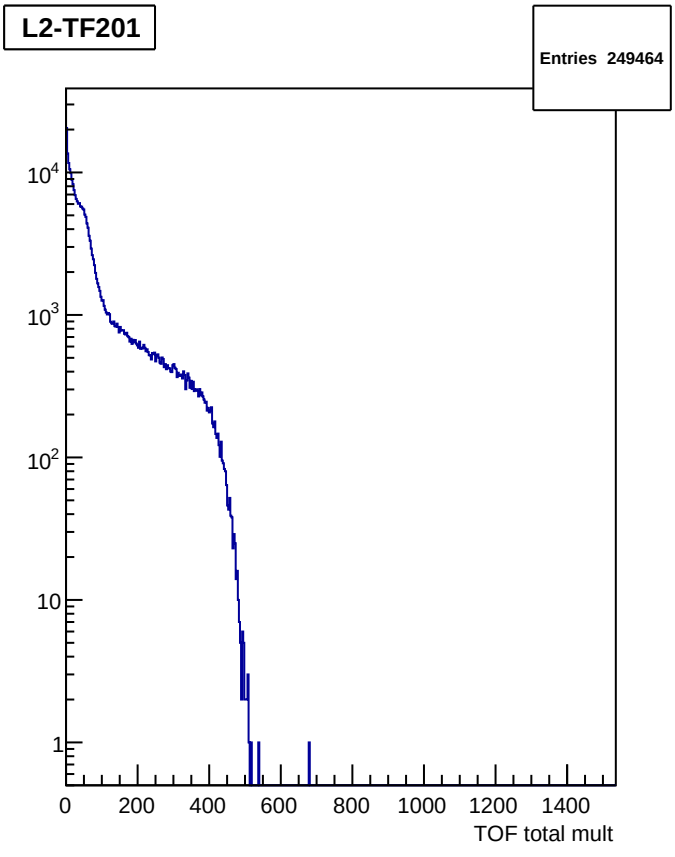

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

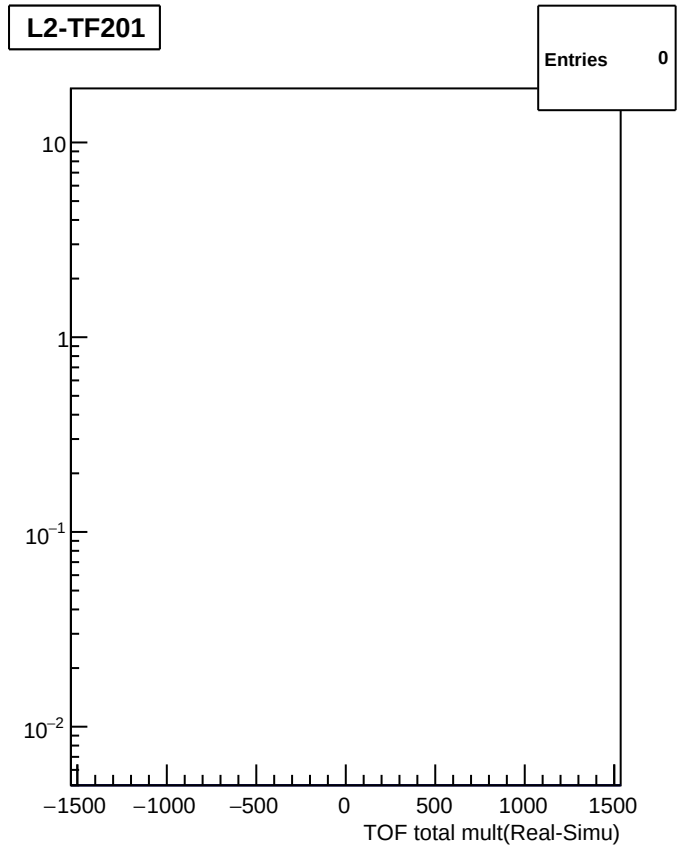

MIX-TF101
Entries 1496784
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

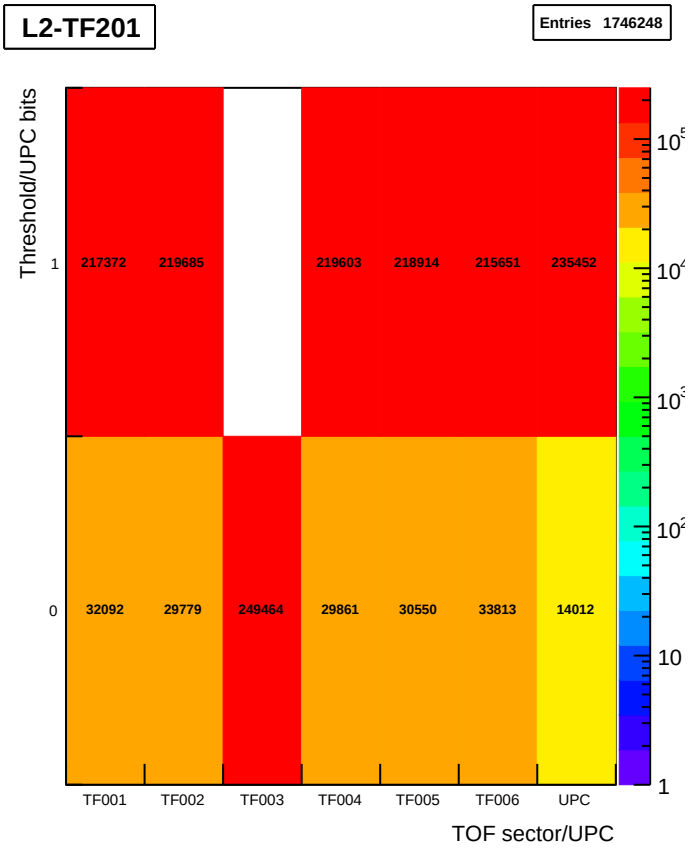

MIX-TF101
Entries 76366
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

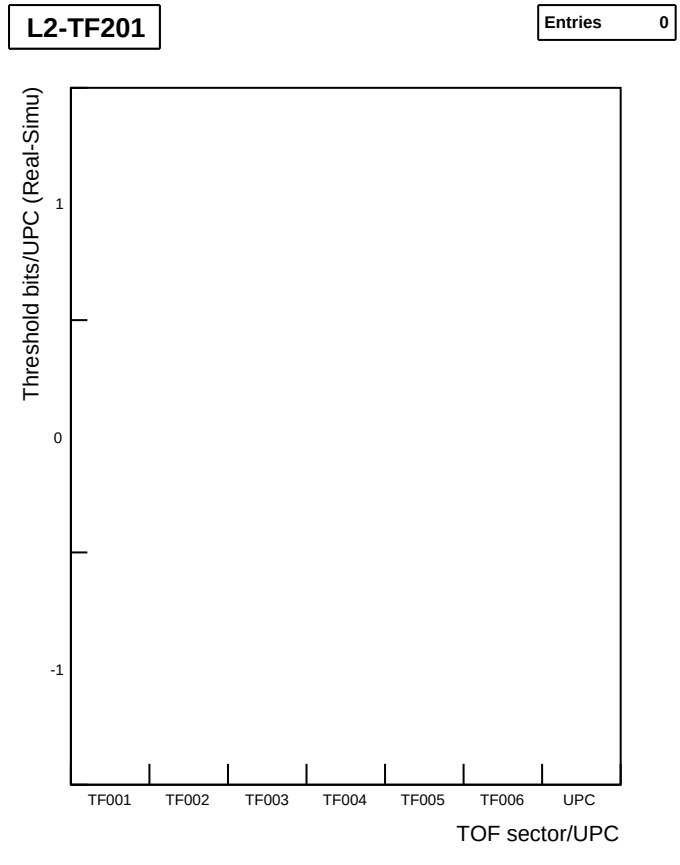

MIX-TF101
Entries 1496784
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

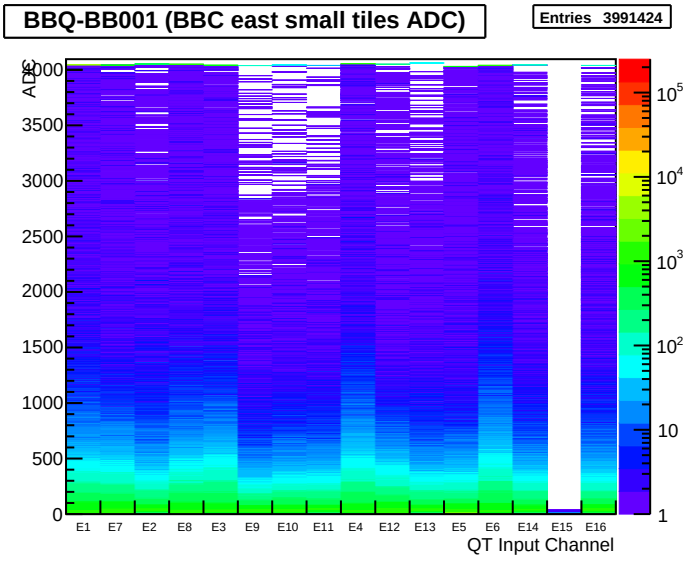

MIX-TF101
Entries 153440
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

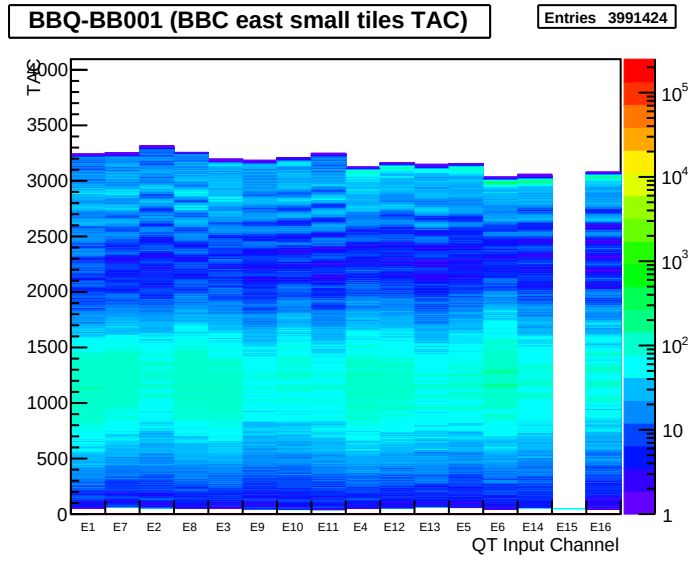

L2-TF201
Entries 249464
TOF total mult

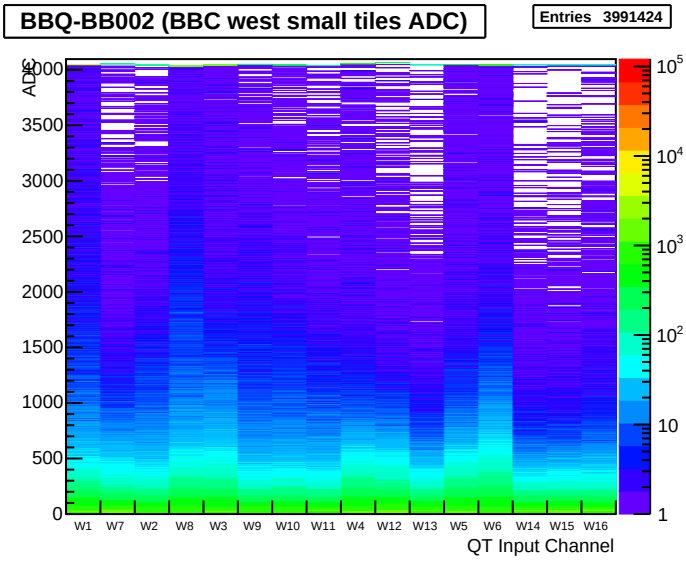

L2-TF201
Entries 0
TOF total mult(Real-Simu)

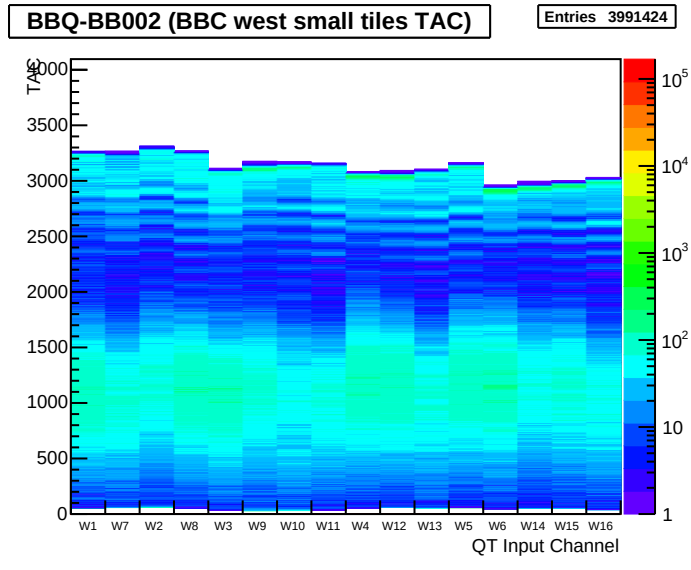

L2-TF201
Entries 1746248
Threshold/UPC bits
217372
219685
219603
218914
215651
235452
32092
29779
249464
29861
30550
33813
14012
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

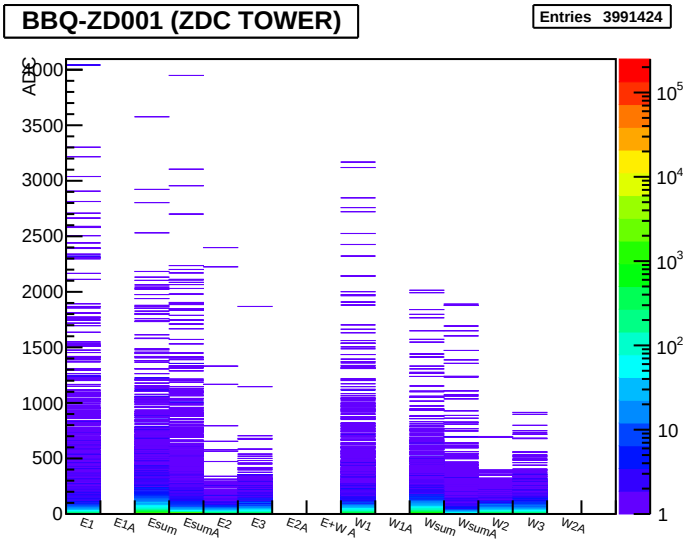

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

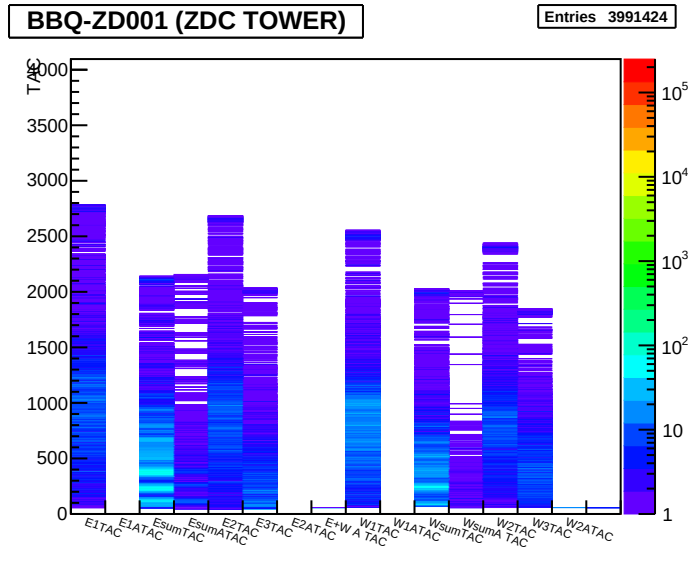

BBQ-BB001 (BBC east small tiles ADC)
Entries 3991424
ADC
QT Input Channel

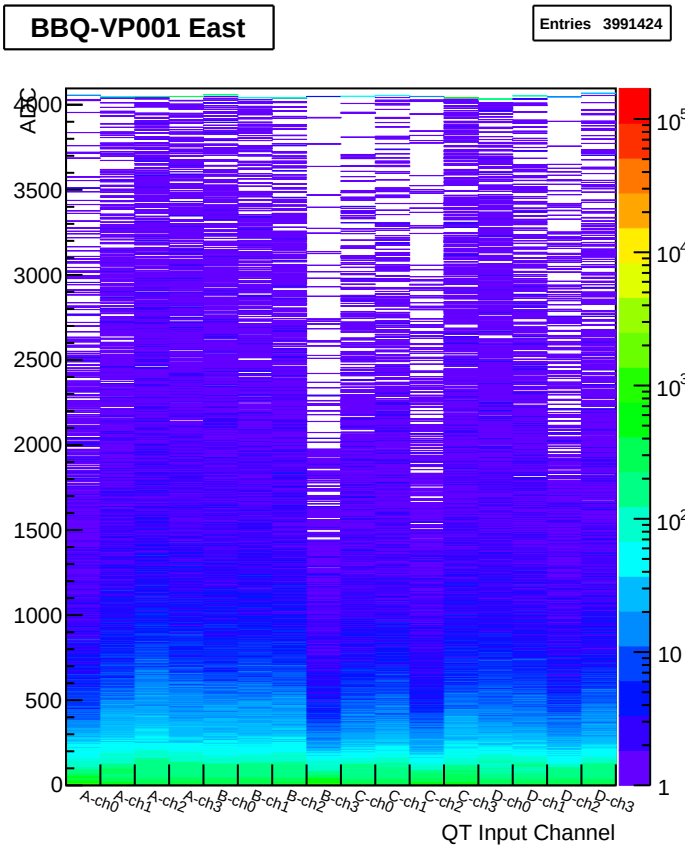

BBQ-BB001 (BBC east small tiles TAC)
Entries 3991424
TAC
QT Input Channel

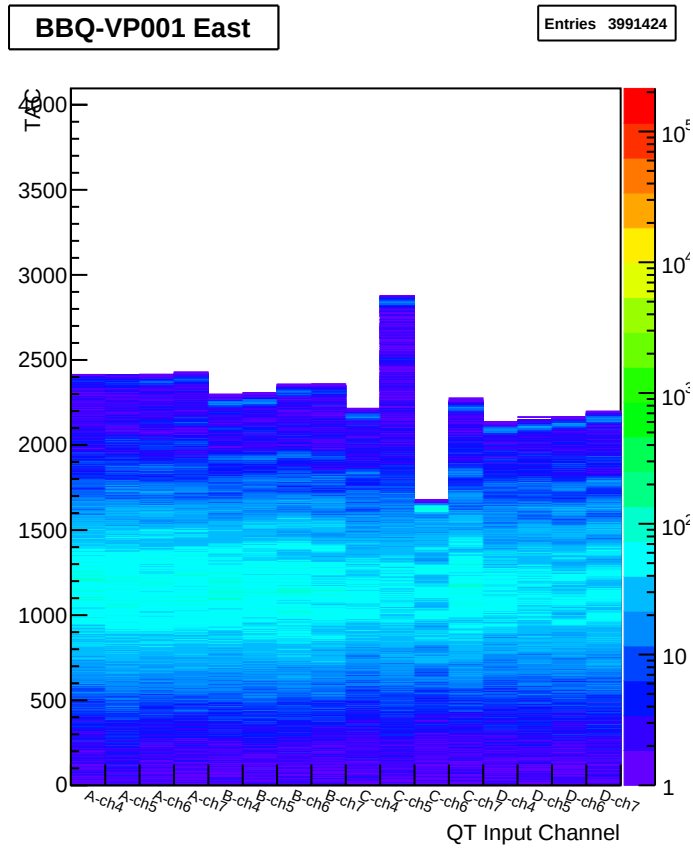

BBQ-BB002 (BBC west small tiles ADC)
Entries 3991424
ADC
QT Input Channel

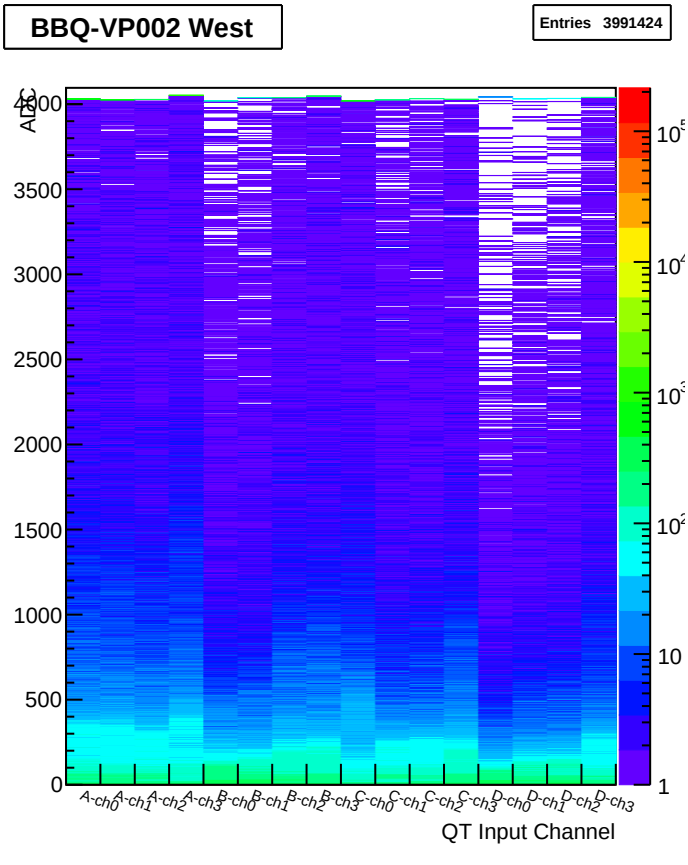

BBQ-BB002 (BBC west small tiles TAC)
Entries 3991424
TAC
QT Input Channel

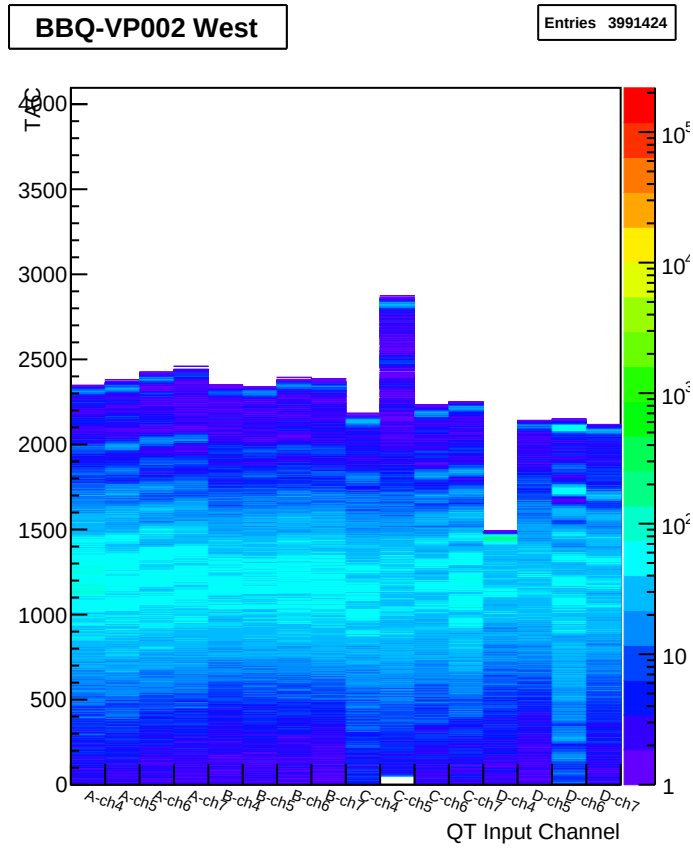

BBQ-ZD001 (ZDC TOWER)
Entries 3991424
ADC

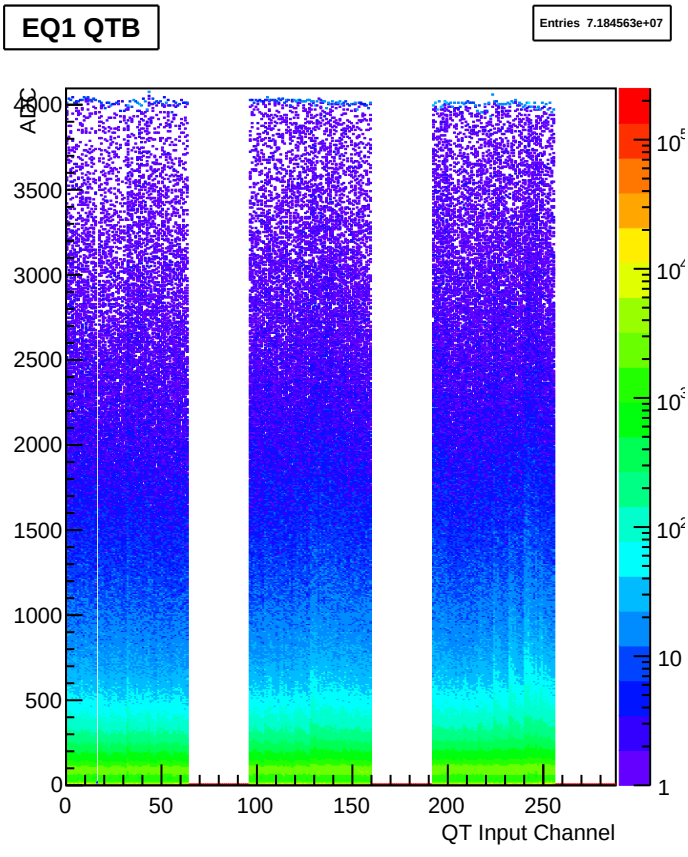

BBQ-ZD001 (ZDC TOWER)
Entries 3991424
TAC

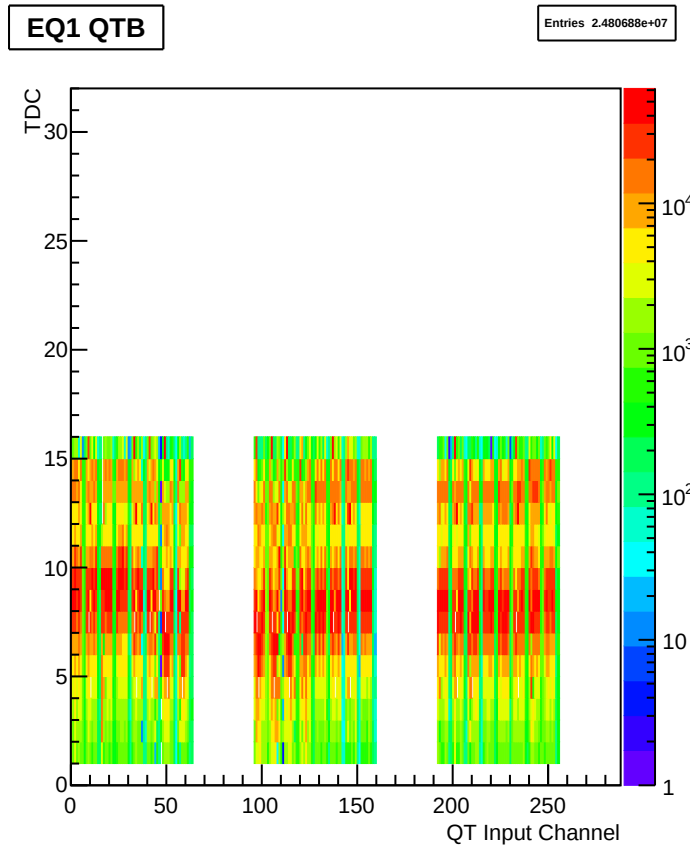

BBQ-VP001 East
Entries 3991424
ADC
QT Input Channel

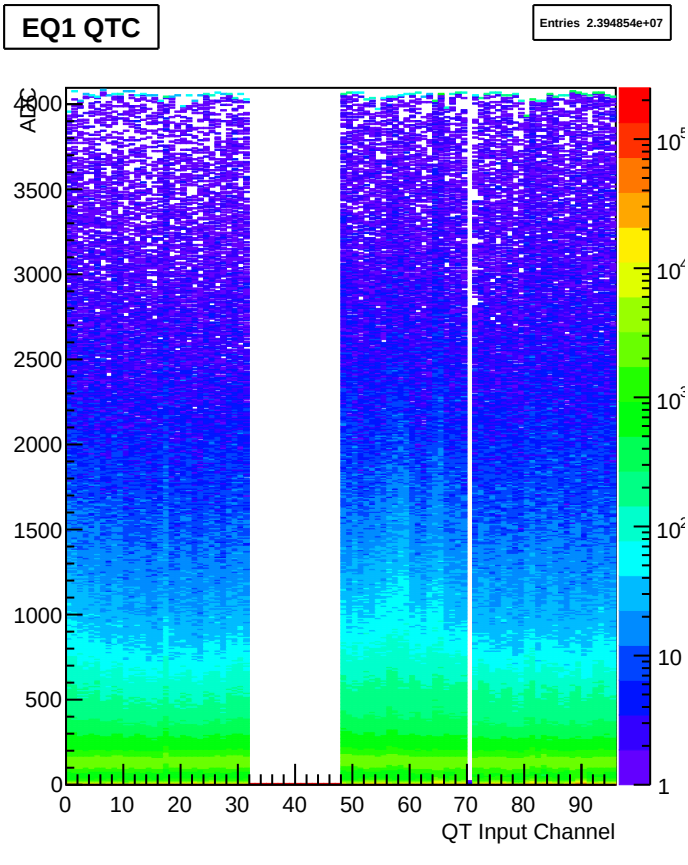

BBQ-VP001 East
Entries 3991424
ADC
QT Input Channel

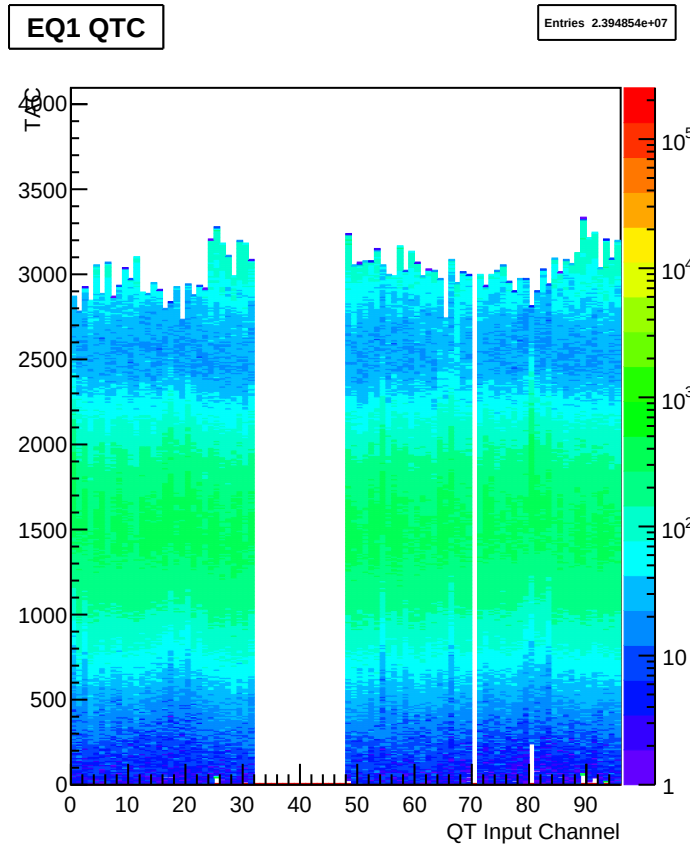

BBQ-VP002 West
Entries 3991424
ADC
QT Input Channel

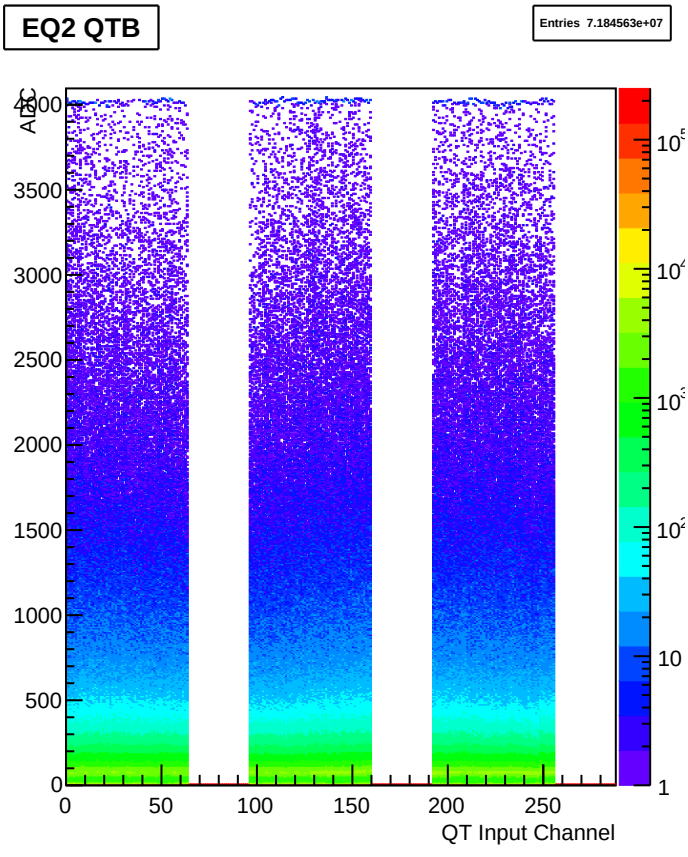

BBQ-VP002 West
Entries 3991424
ADC
QT Input Channel

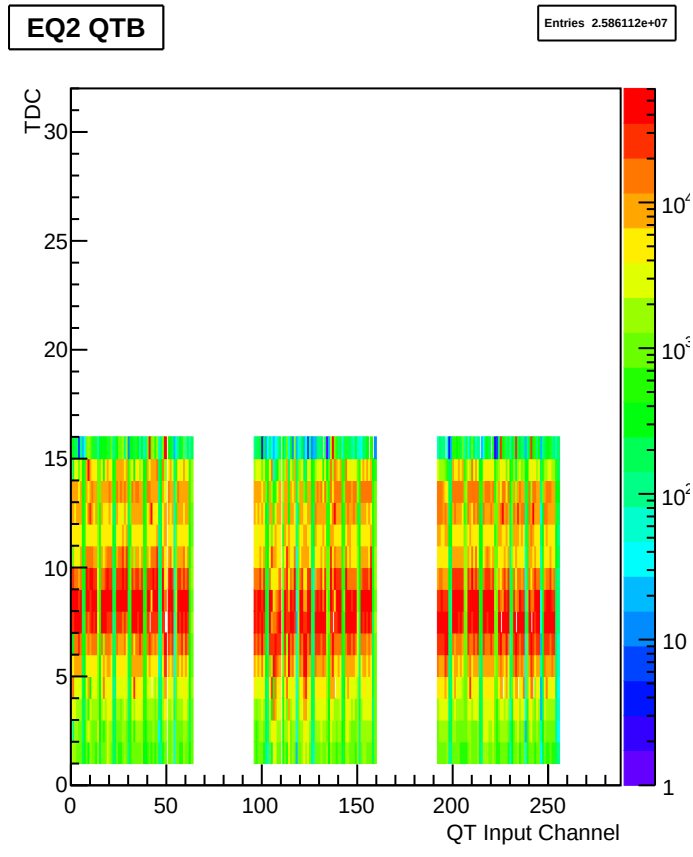

EQ1 QTB
Entries 7.184563e+07
ADC
QT Input Channel

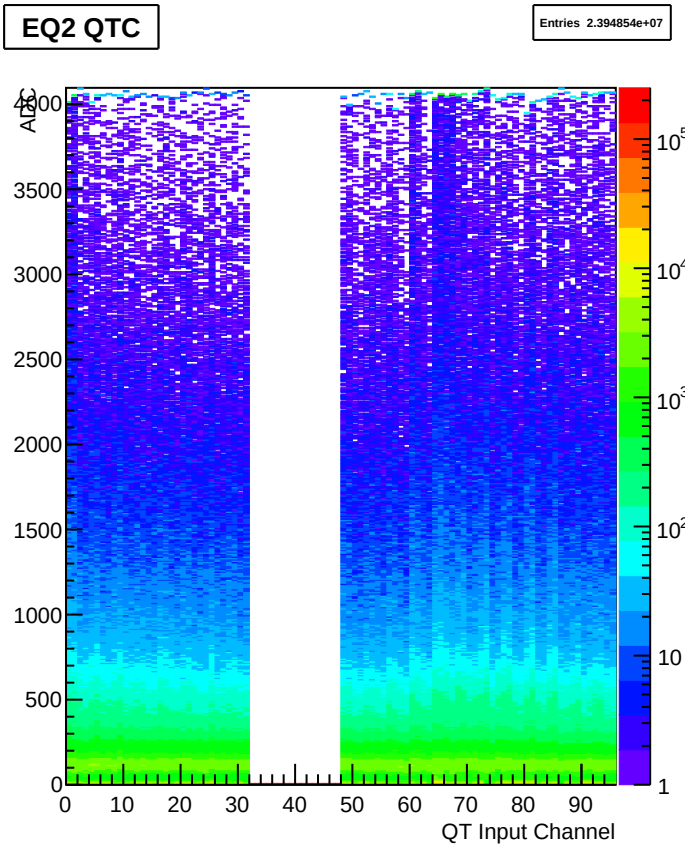

EQ1 QTB
Entries 2.480688e+07
TDC
QT Input Channel

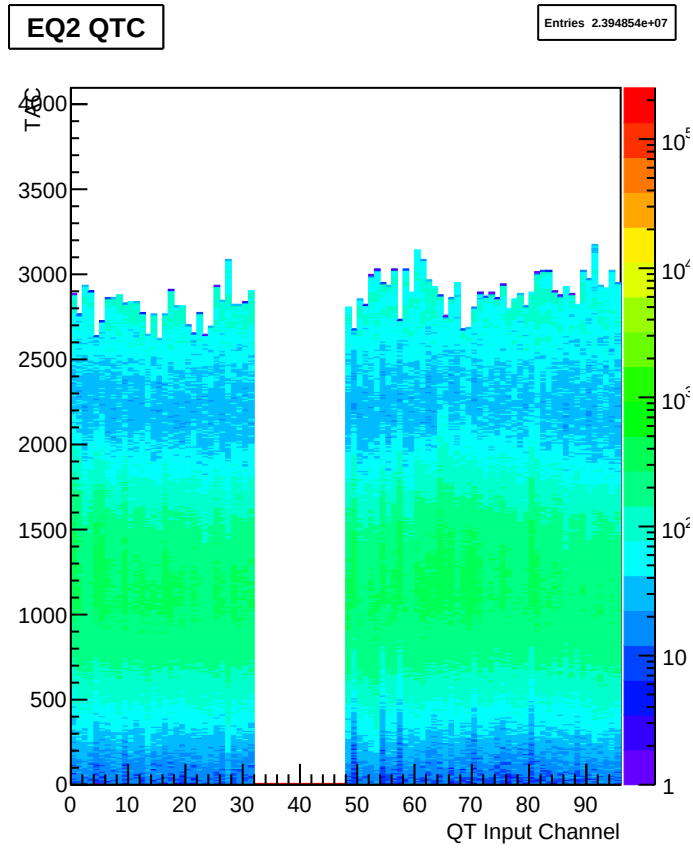

EQ1 QTC
Entries 2.394854e+07
ADC
QT Input Channel

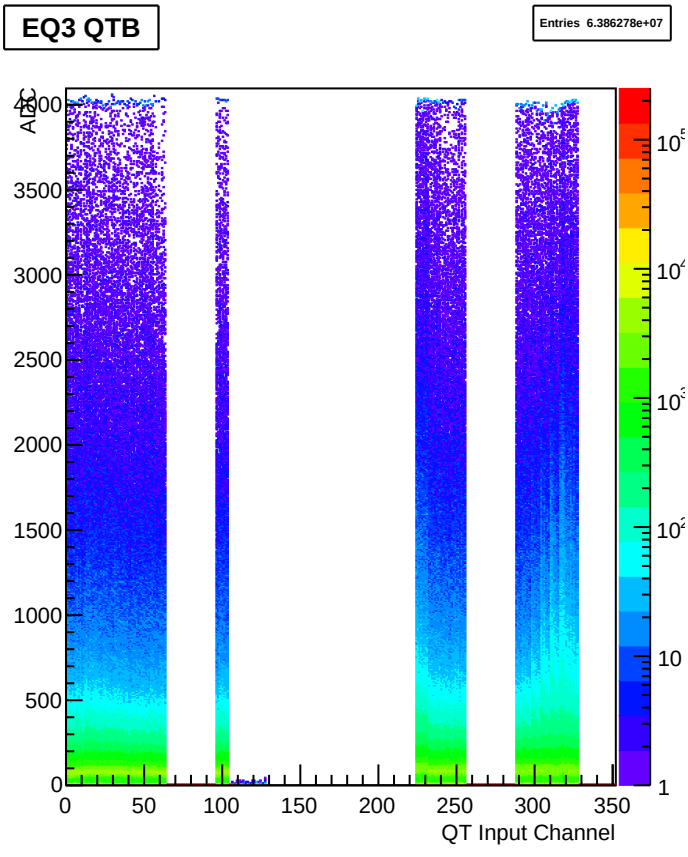

EQ1 QTC
Entries 2.394854e+07
TADC
QT Input Channel

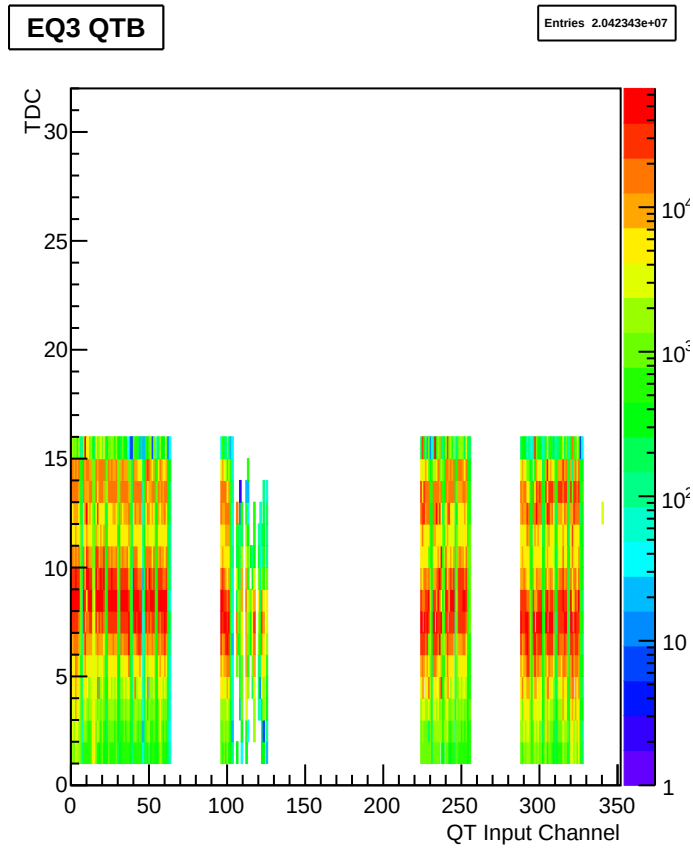

EQ2 QTB
Entries 7.184563e+07
ADC
QT Input Channel

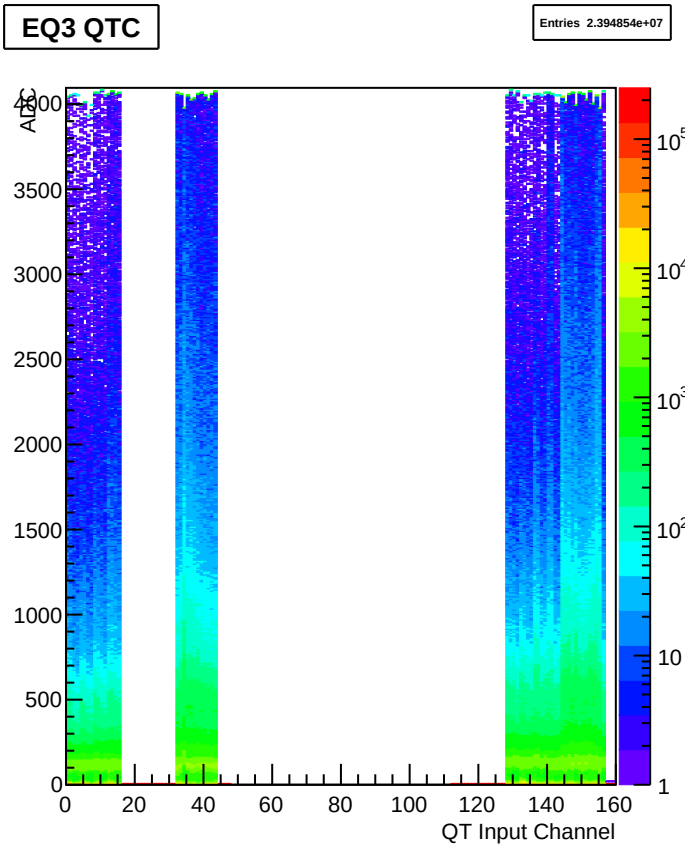

EQ2 QTB
Entries 2.586112e+07
TDC
QT Input Channel

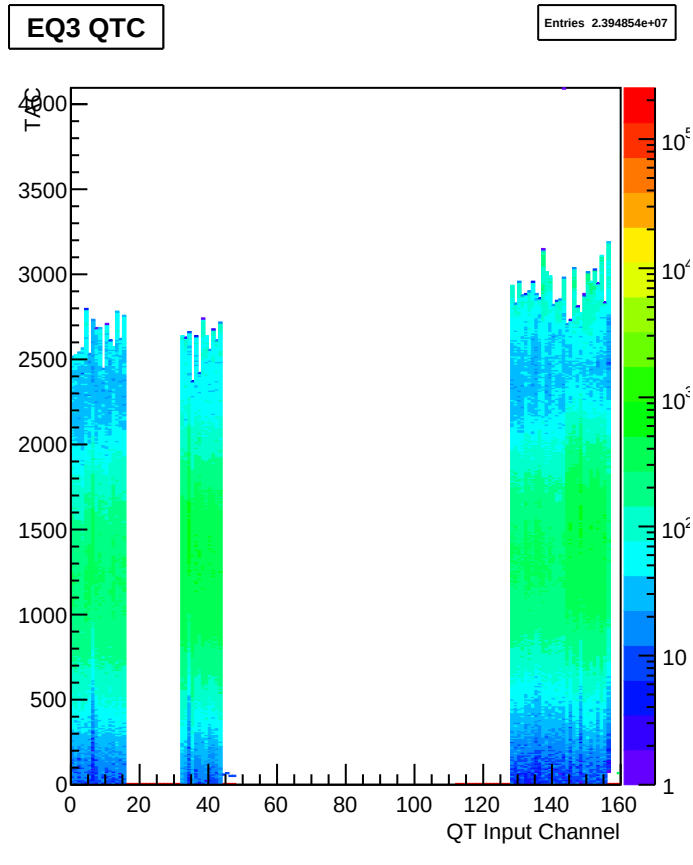

EQ2 QTC
Entries 2.394854e+07
ADC
QT Input Channel

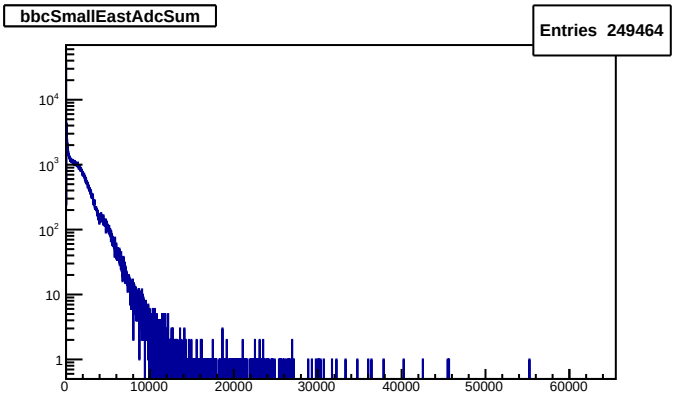

EQ2 QTC
Entries 2.394854e+07
TADC
QT Input Channel

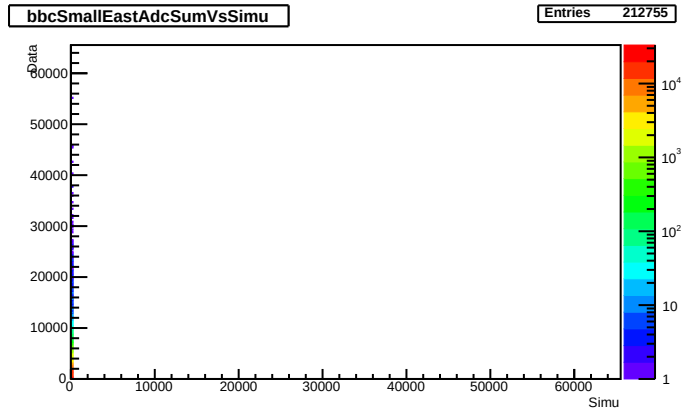

EQ3 QTB
Entries 6.386278e+07
ADC
QT Input Channel

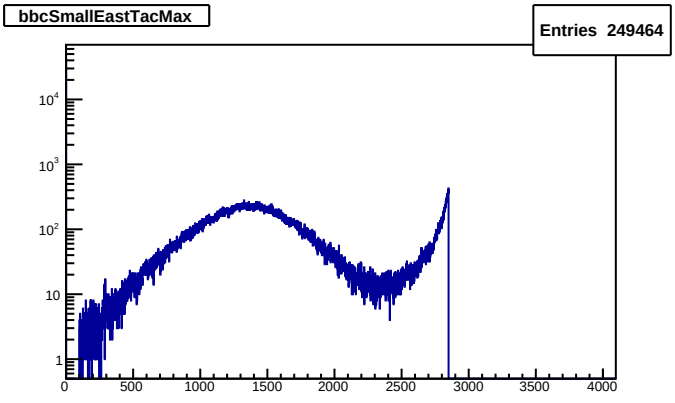

EQ3 QTB
Entries 2.042343e+07
TDC
QT Input Channel

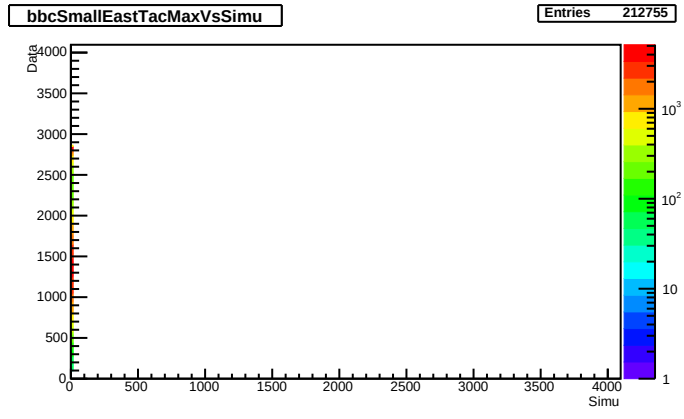

EQ3 QTC
Entries 2.394854e+07
ADC
QT Input Channel

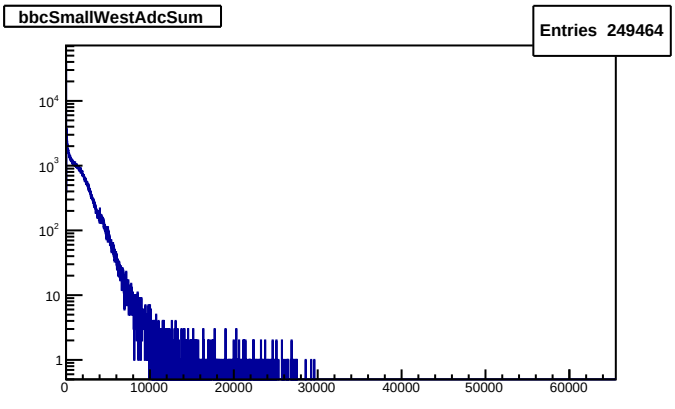

EQ3 QTC
Entries 2.394854e+07
TADC
QT Input Channel

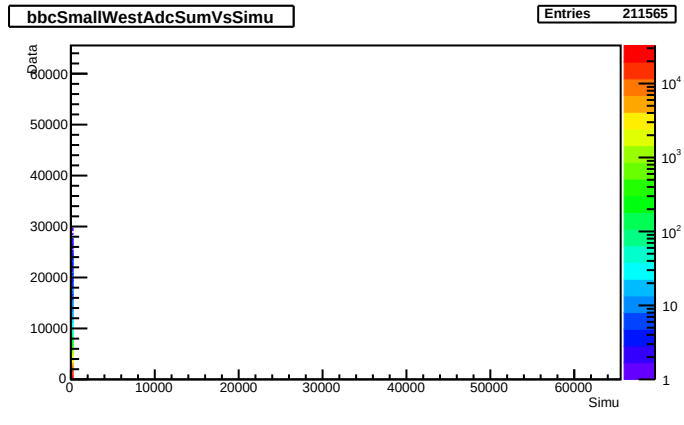

bbcSmallEastAdcSum
Entries 249464

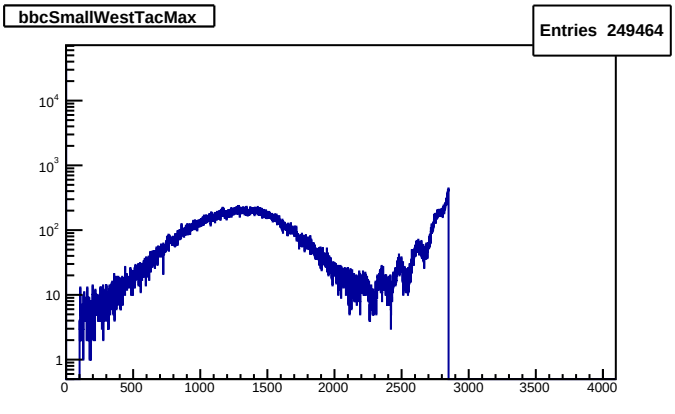

bbcSmallEastAdcSumVsSimu
Entries 212755
Data
Simu

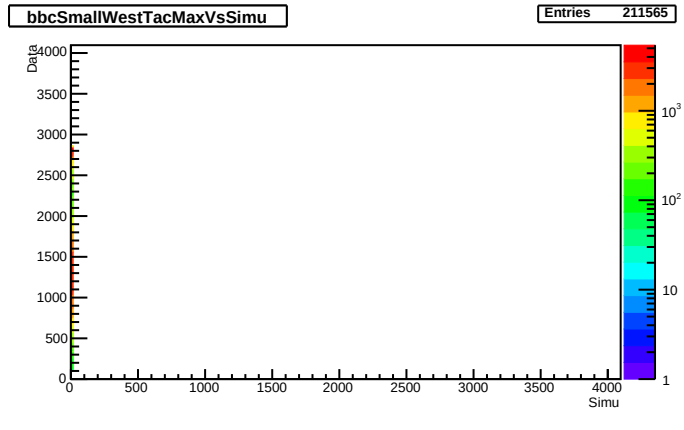

bbcSmallEastTacMax
Entries 249464

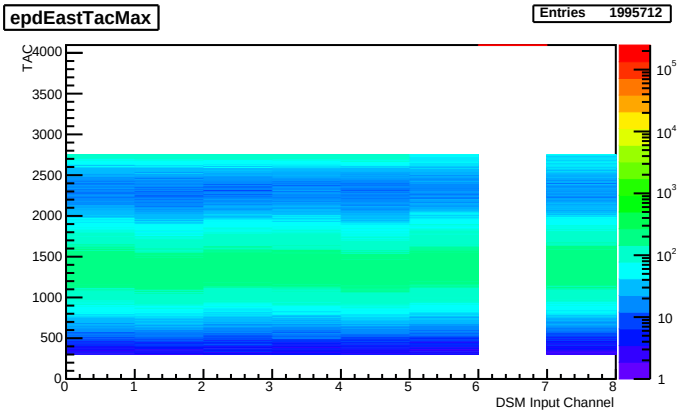

bbcSmallEastTacMaxVsSimu
Entries 212755
Data
Simu

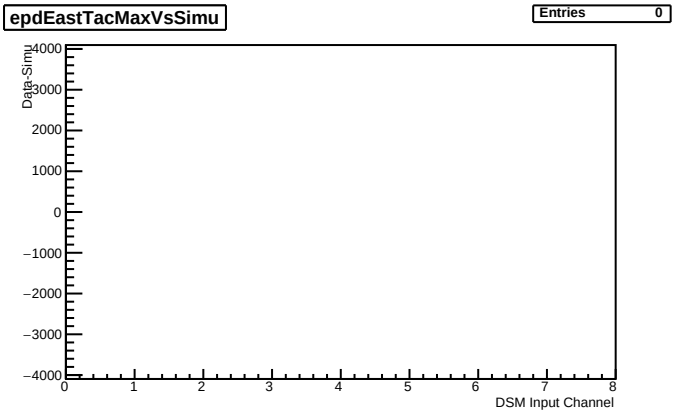

bbcSmallWestAdcSum
Entries 249464

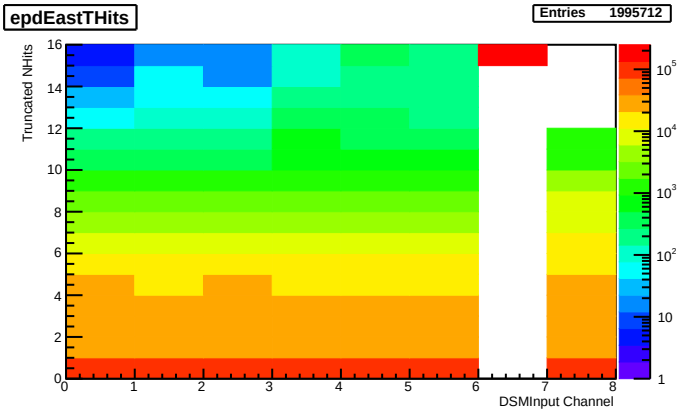

bbcSmallWestAdcSumVsSimu
Entries 211565
Data
Simu

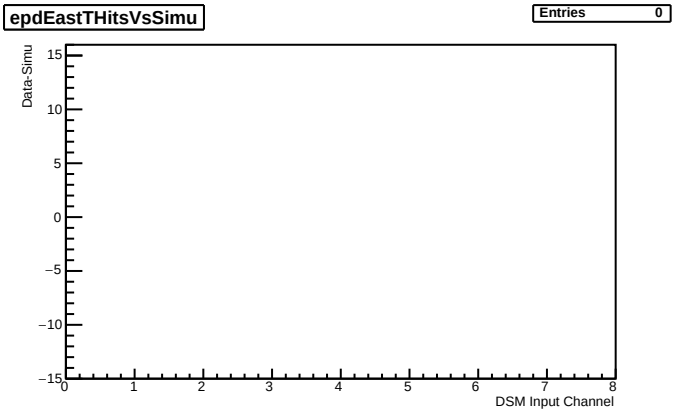

bbcSmallWestTacMax
Entries 249464


bbcSmallWestTacMaxVsSimu
Entries 211565
Data
Simu


epdEastTacMax
Entries 1995712
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 1995712
Truncated NHits
DSMInput Channel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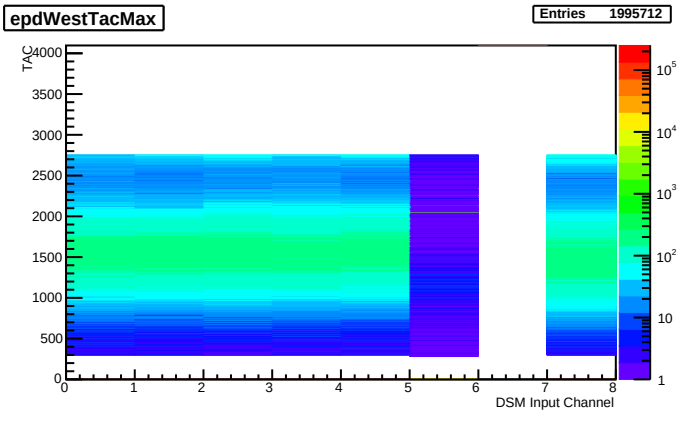
Entries 0
Data-Simu
DSM Input Channel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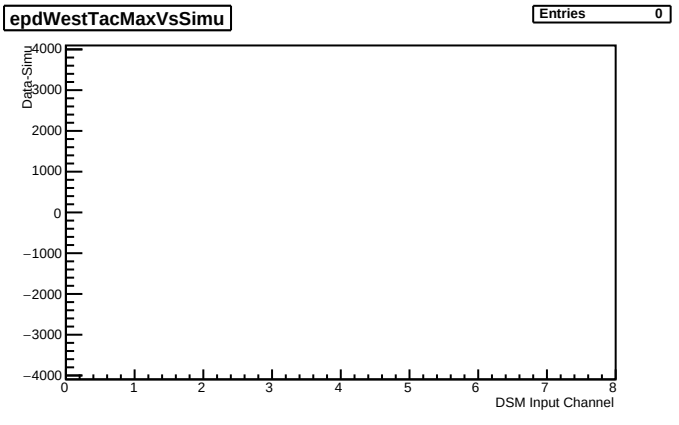
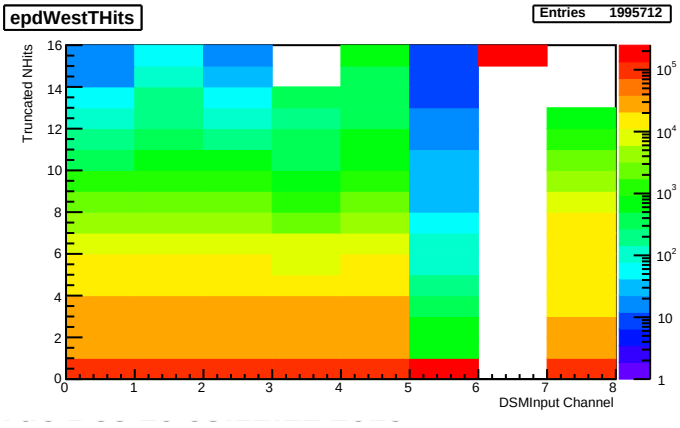
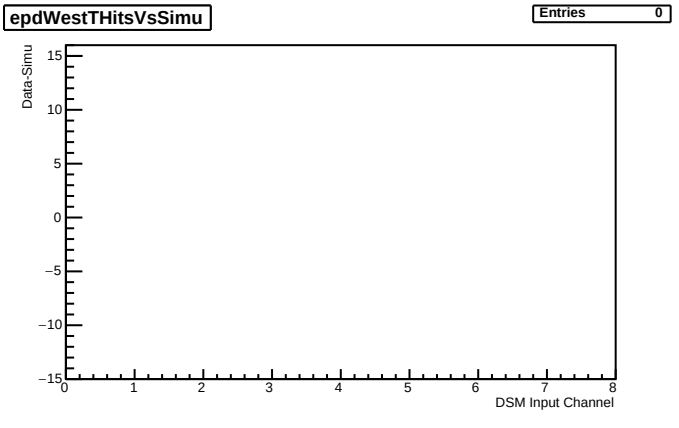
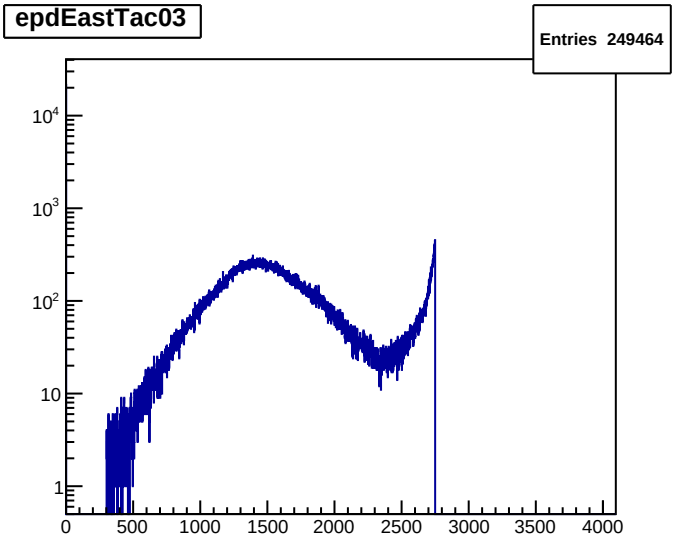
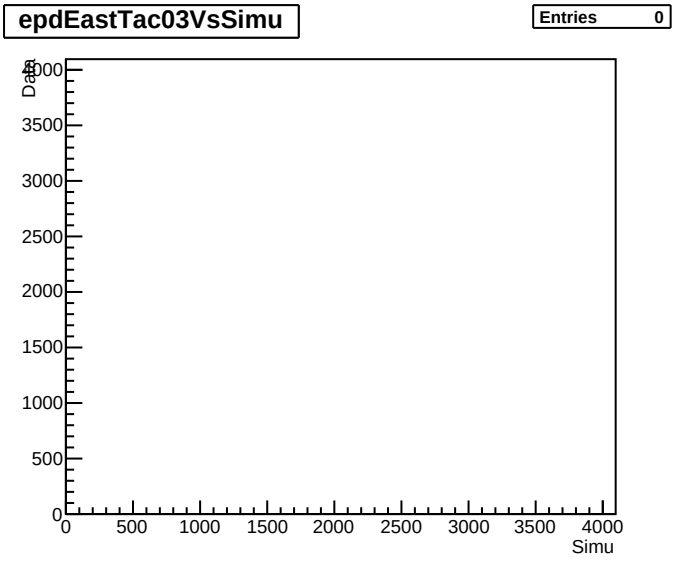
Entries 1995712
TAC
DSM Input Channel

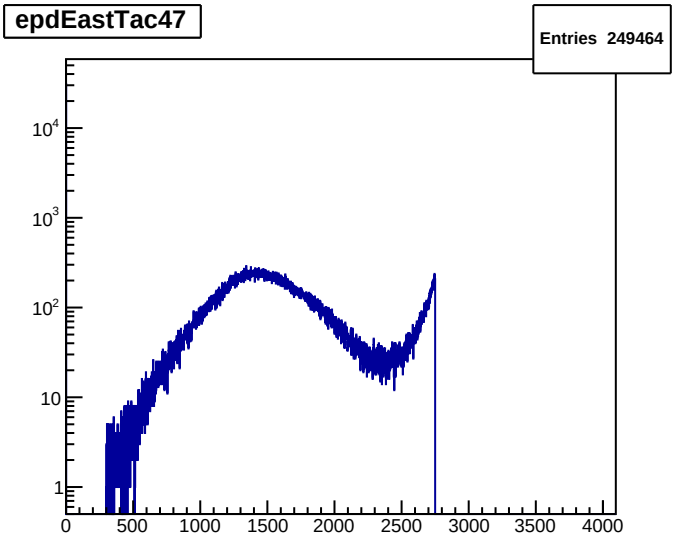

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

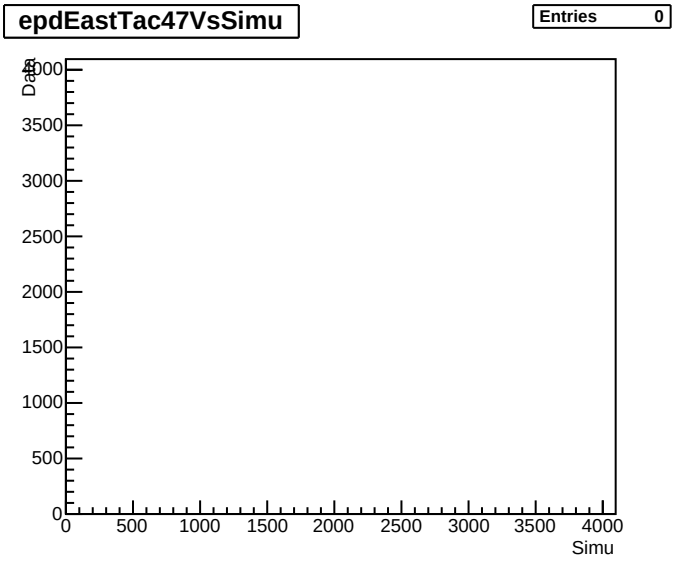

epdWestTHits
Entries 1995712
Truncated NHits
DSMInput Channel

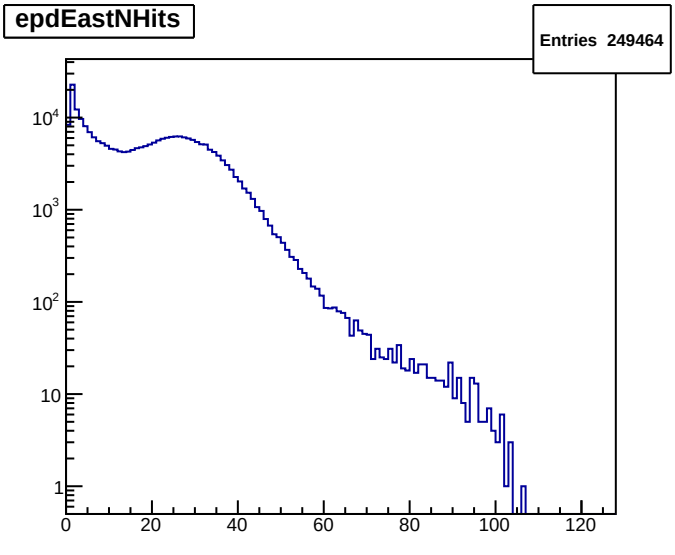

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

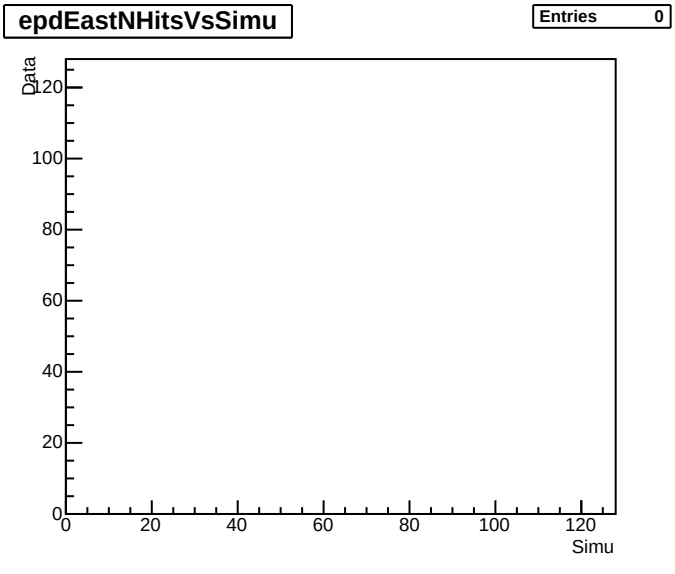

epdEastTac03
Entries 249464

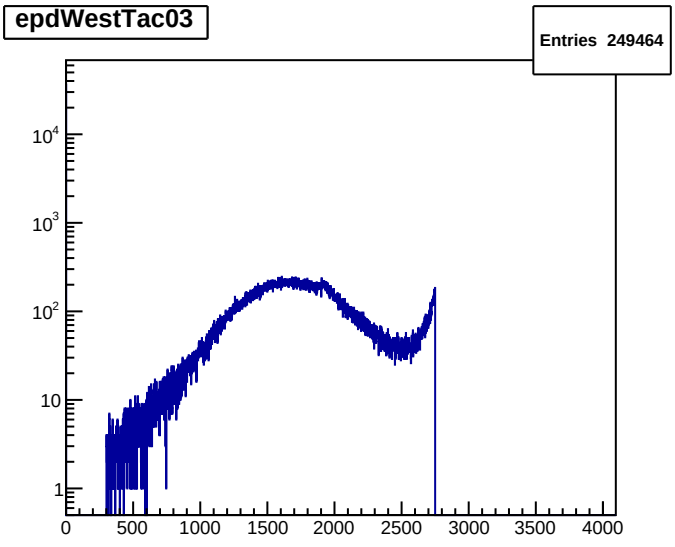

epdEastTac03VsSimu
Entries 0
Data
Simu

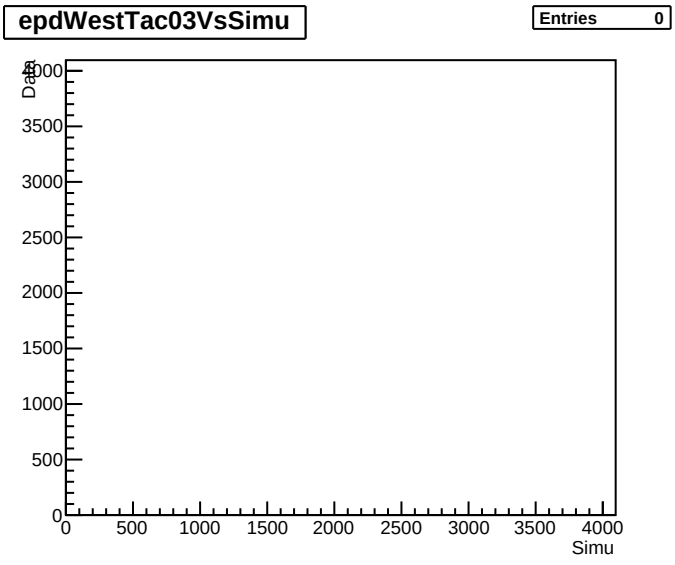

epdEastTac47
Entries 249464

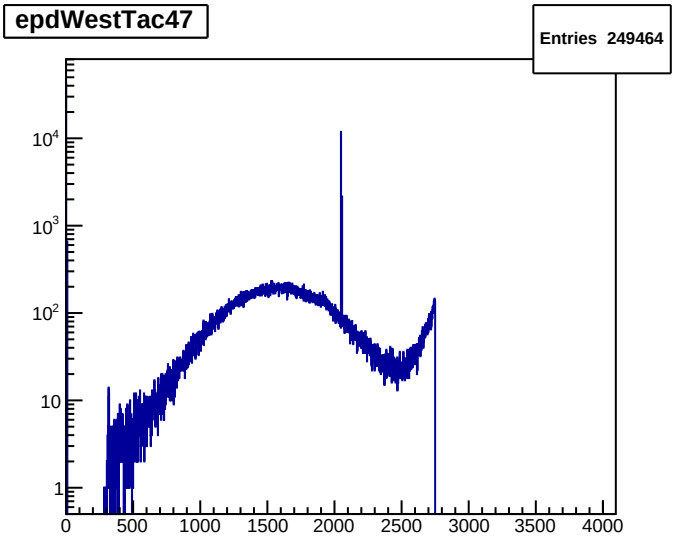

epdEastTac47VsSimu
Entries 0
Data
Simu

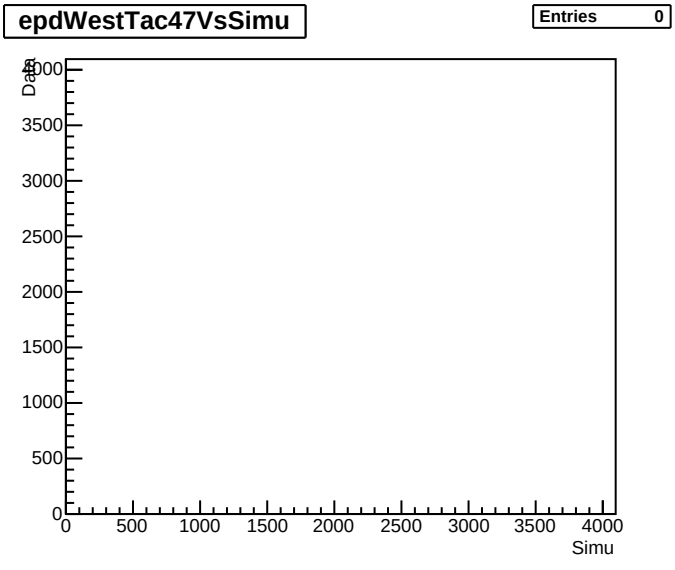

epdEastNHits
Entries 249464


epdEastNHitsVsSimu
Entries 0
Data
Simu


epdWestTac03
Entries 249464
10^4
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 249464
10^4
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000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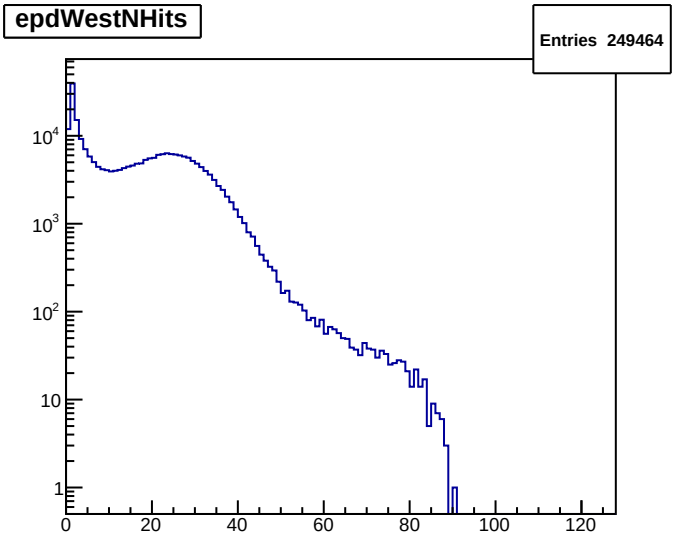
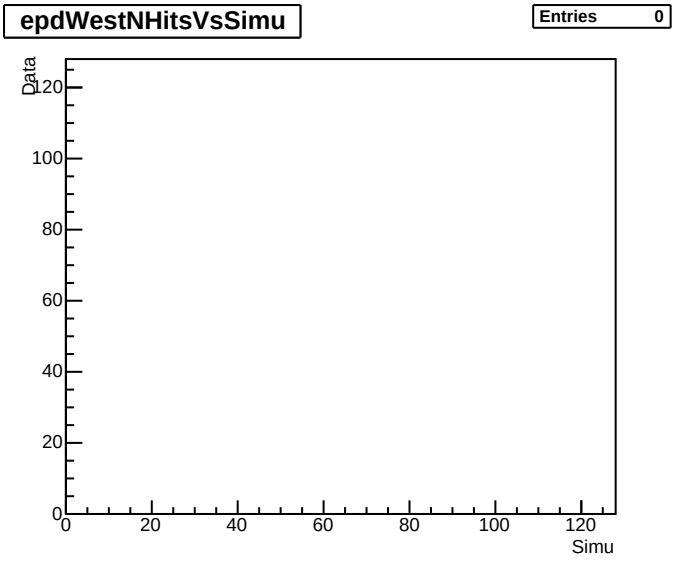
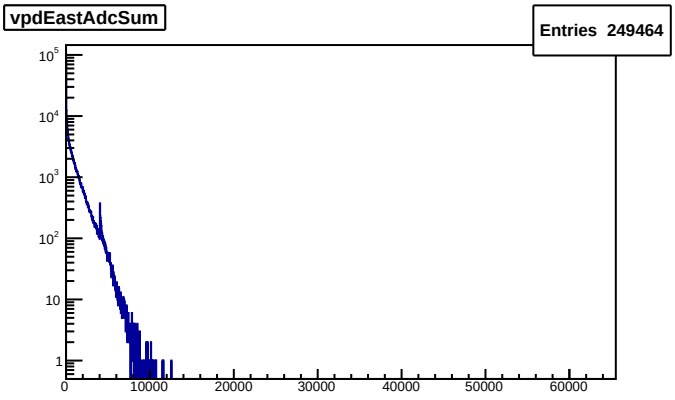
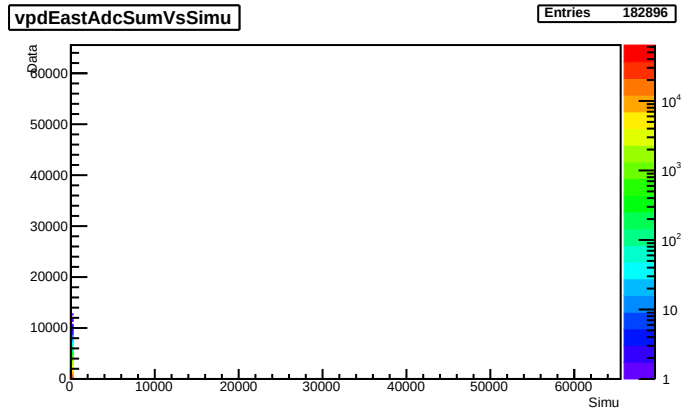
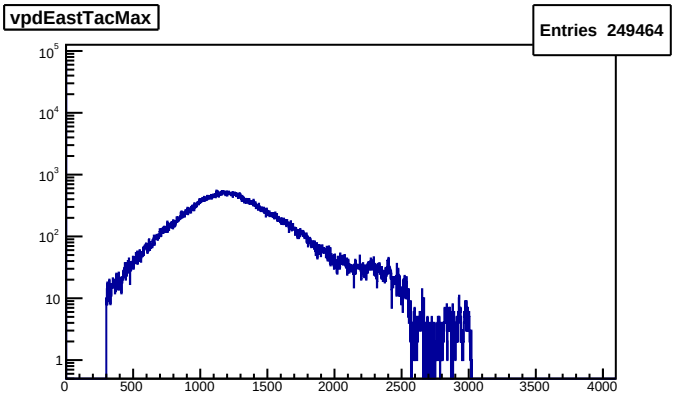
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

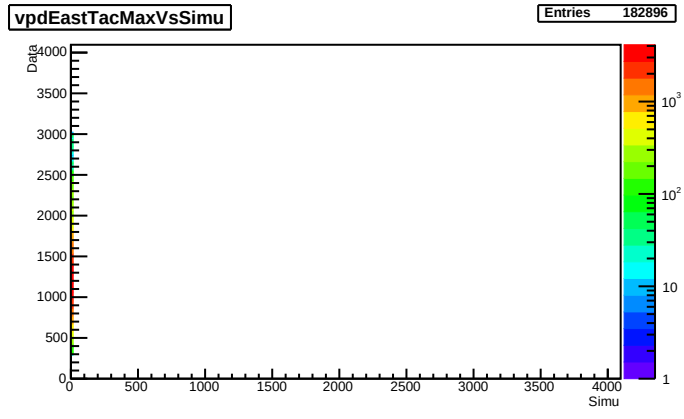

epdWestNHits
Entries 249464
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120

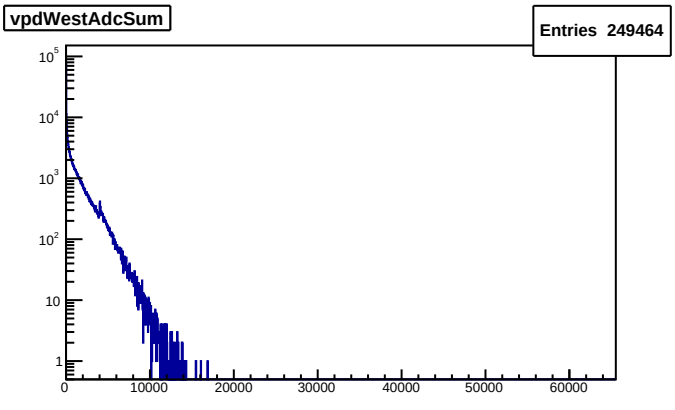

epdWestNHitsVsSimu
Entries 0
Data
120
100
80
60
40
20
0
0 20 40 60 80 100 120
Simu

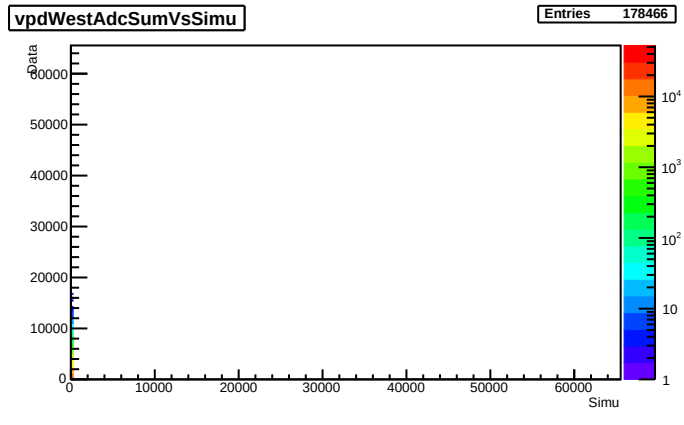

vpdEastAdcSum
Entries 249464

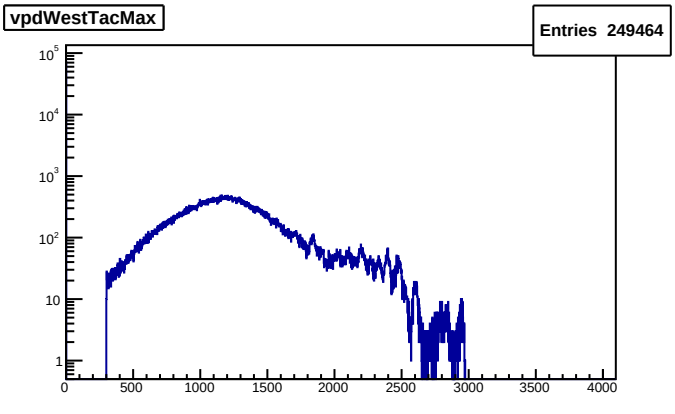

vpdEastAdcSumVsSimu
Entries 182896
Data
Simu

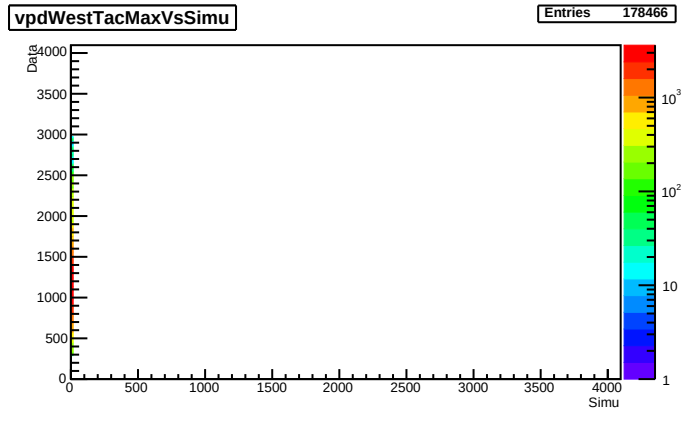

vpdEastTacMax
Entries 249464

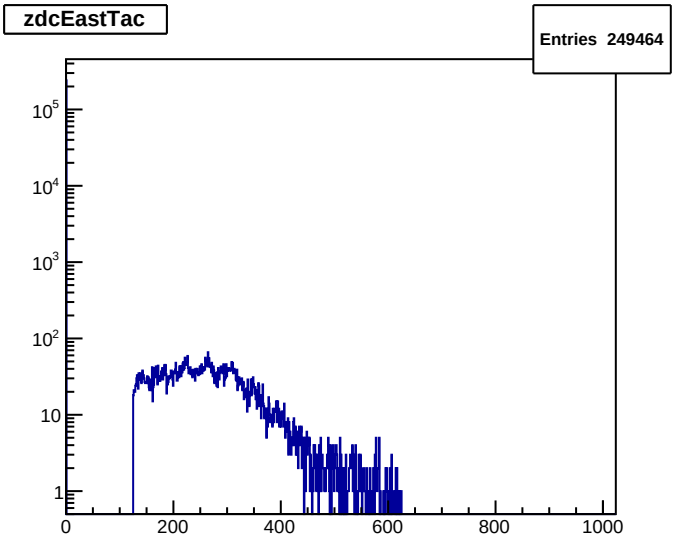

vpdEastTacMaxVsSimu
Entries 182896
Data
Simu

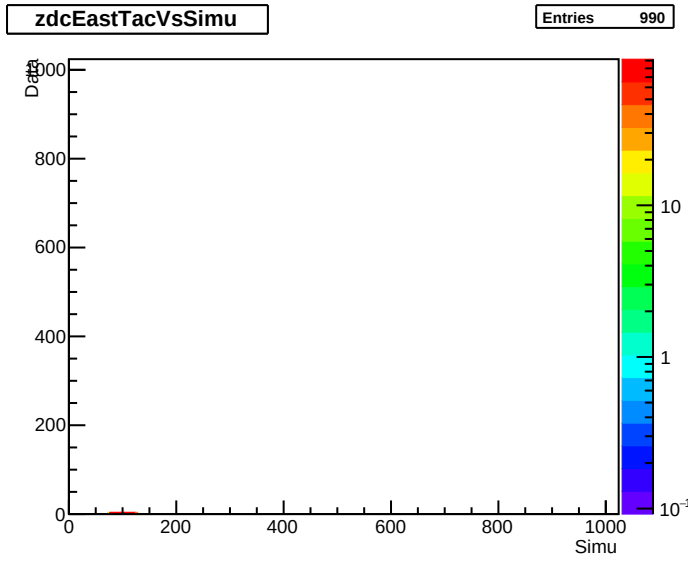

vpdWestAdcSum
Entries 249464

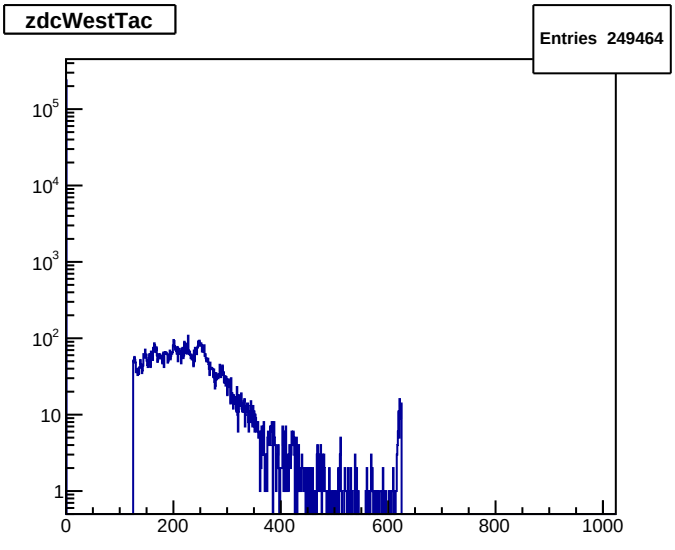

vpdWestAdcSumVsSimu
Entries 178466
Data
Simu

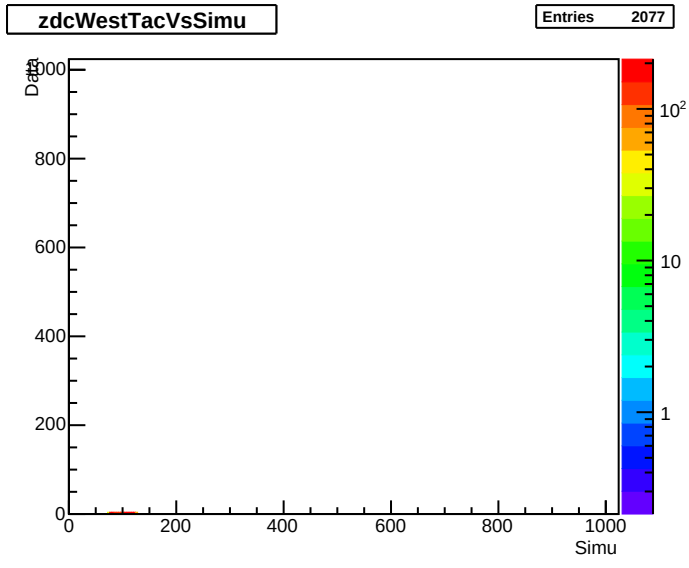

vpdWestTacMax
Entries 249464

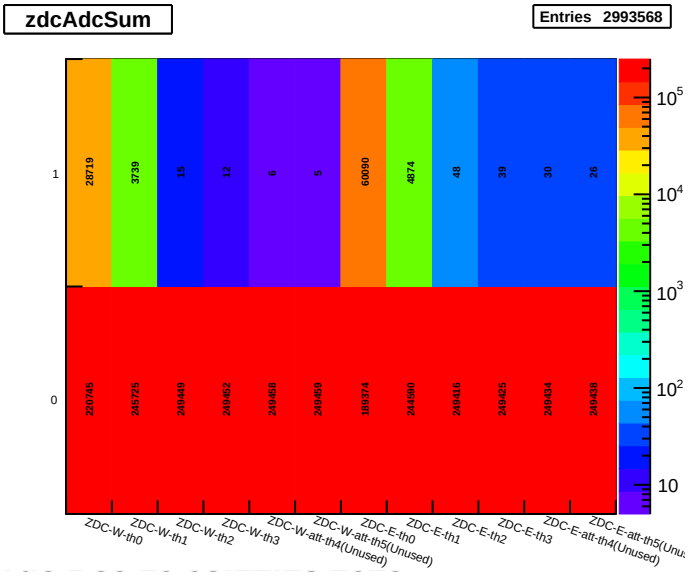

vpdWestTacMaxVsSimu
Entries 178466
Data
Simu

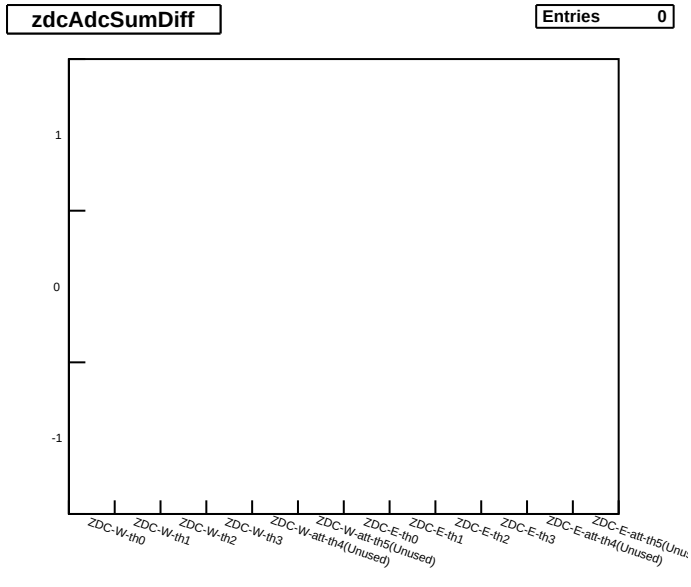

zdcEastTac
Entries 249464

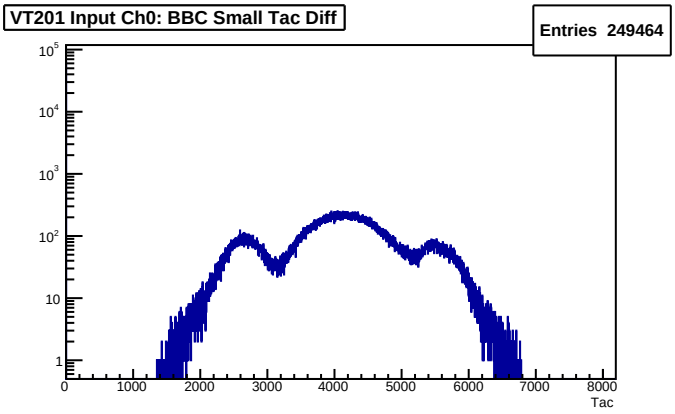

zdcEastTacVsSimu
Entries 990
Data
Simu

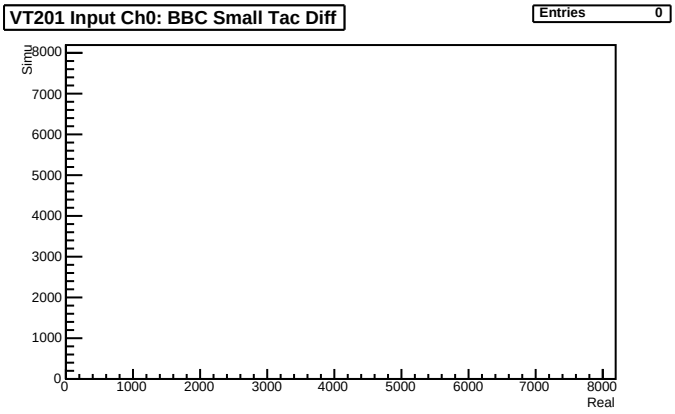

zdcWestTac
Entries 249464

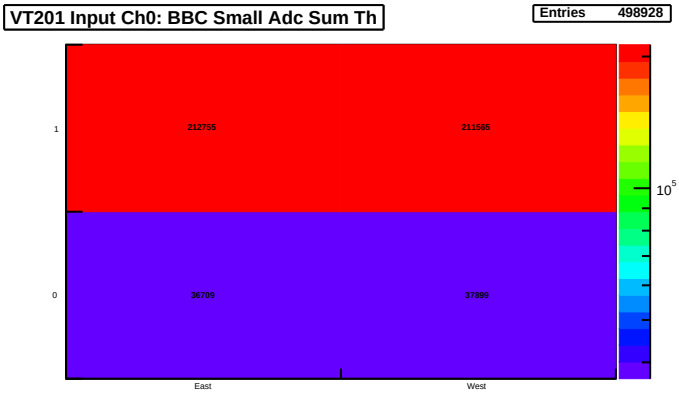

zdcWestTacVsSimu
Entries 2077
Data
Simu

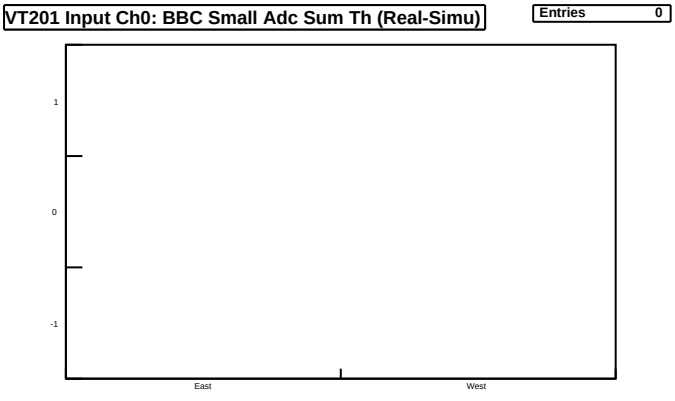

zdcAdcSum
Entries 2993568
28719
3739
15
12
6
5
60090
4874
48
39
30
26
220745
245725
249449
249452
249458
249459
189374
244590
249416
249425
249434
249438
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

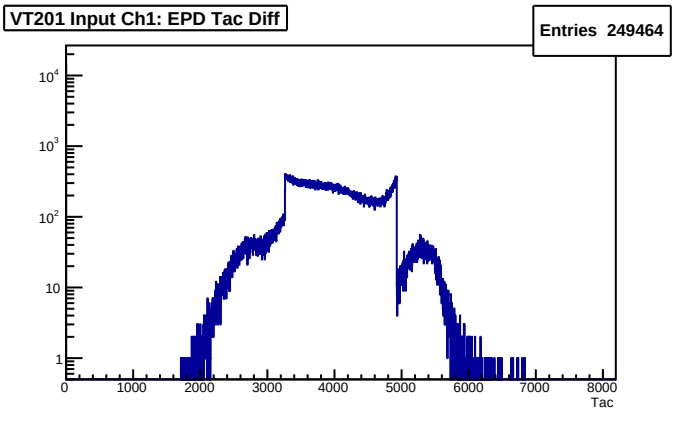

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

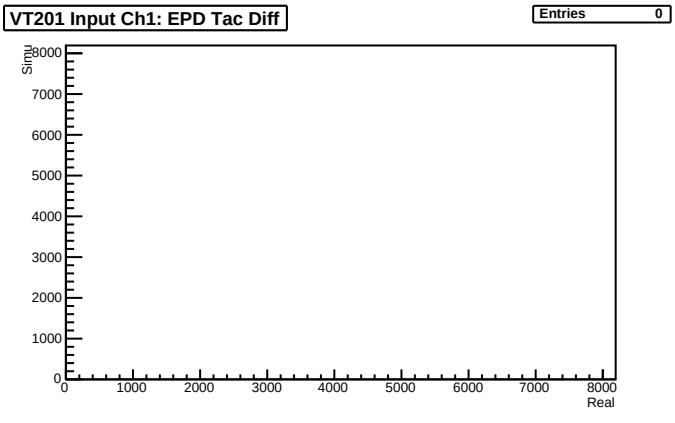

VT201 Input Ch0: BBC Small Tac Diff
Entries 249464
Tac

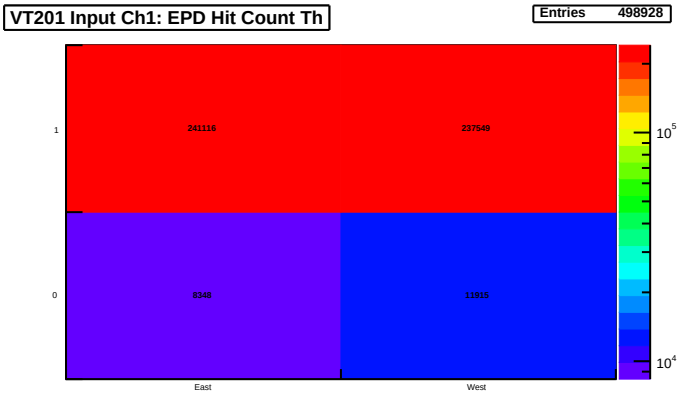

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

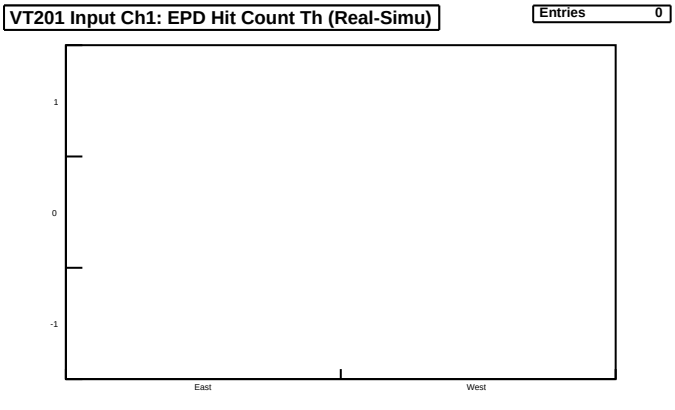

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 498928
212755
211565
36709
37899
East
West

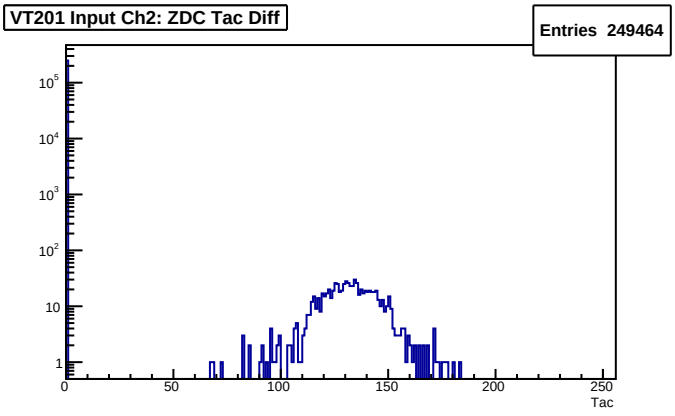

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

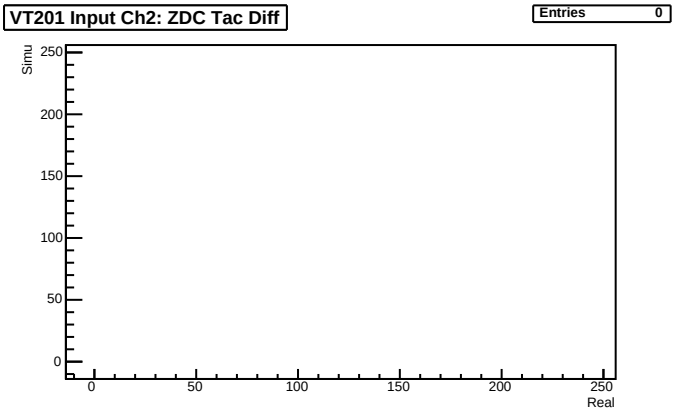

VT201 Input Ch1: EPD Tac Diff
Entries 249464
Tac

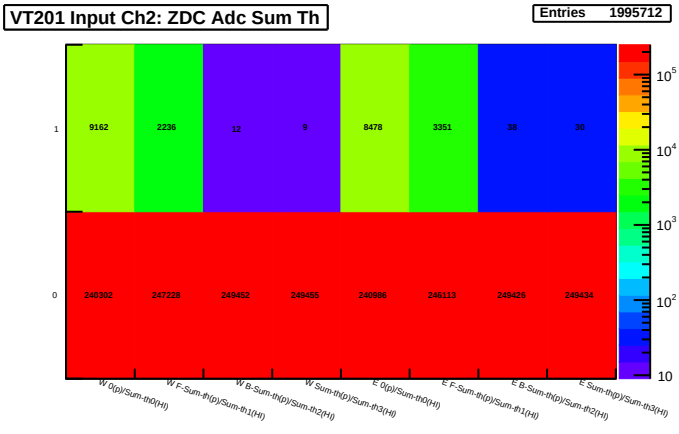

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

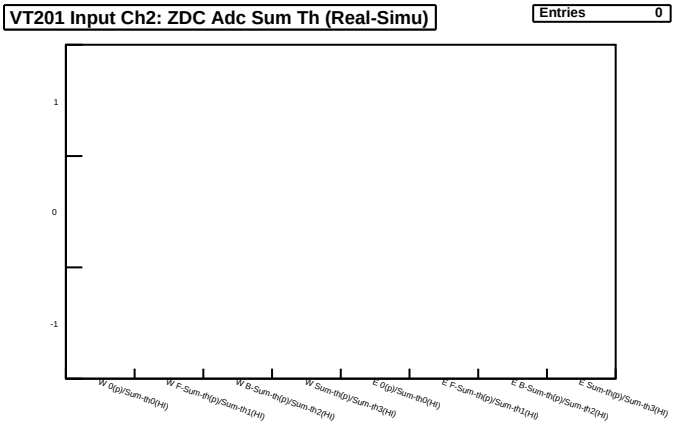

VT201 Input Ch1: EPD Hit Count Th
Entries 498928
241116
237549
8348
11915
East
West

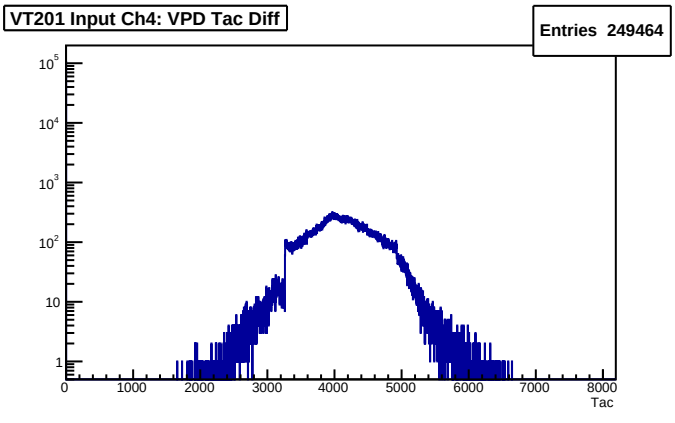

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

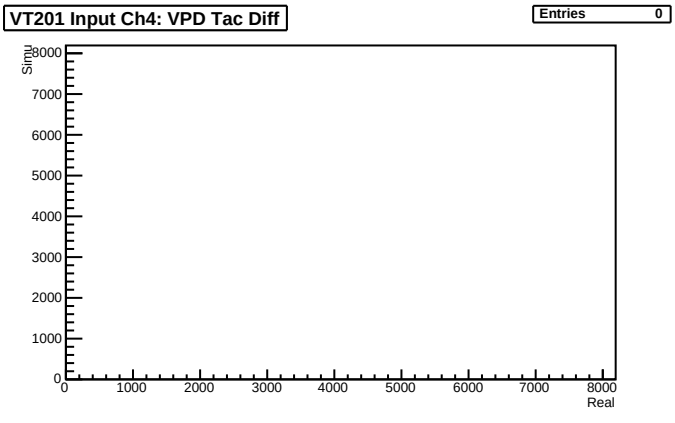

VT201 Input Ch2: ZDC Tac Diff
Entries 249464
Tac

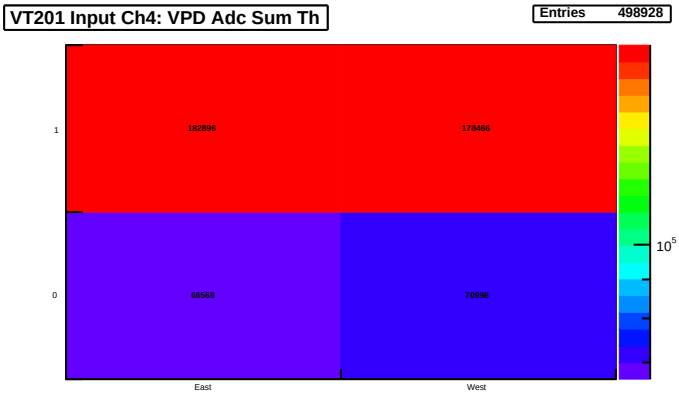

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

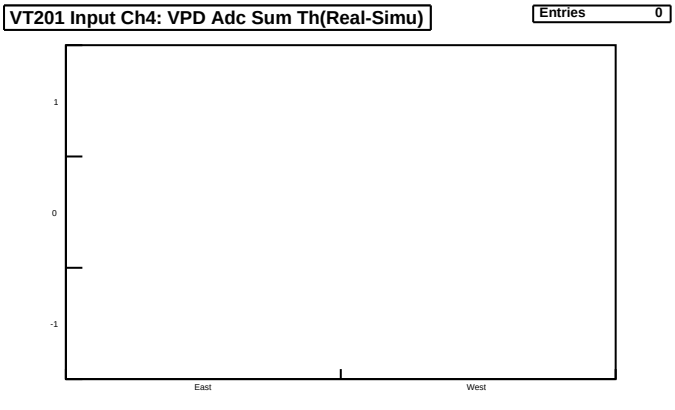

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1995712
9162
2236
12
9
8478
3351
38
30
240302
247228
249452
249455
240986
246113
249426
249434
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

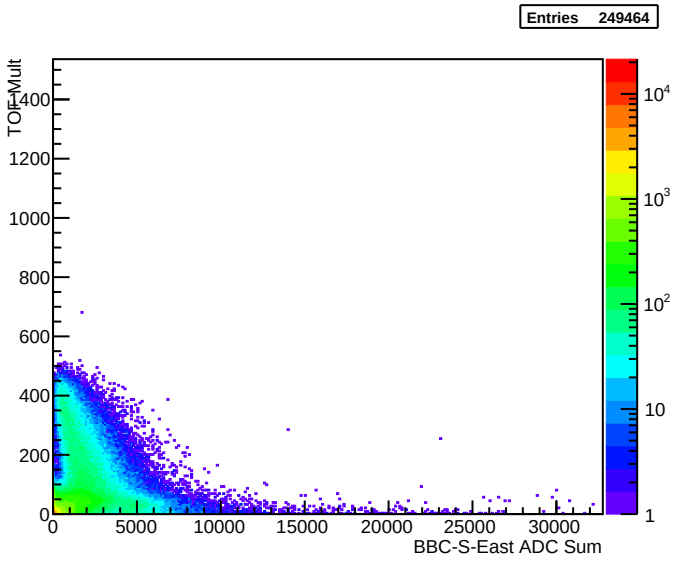

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

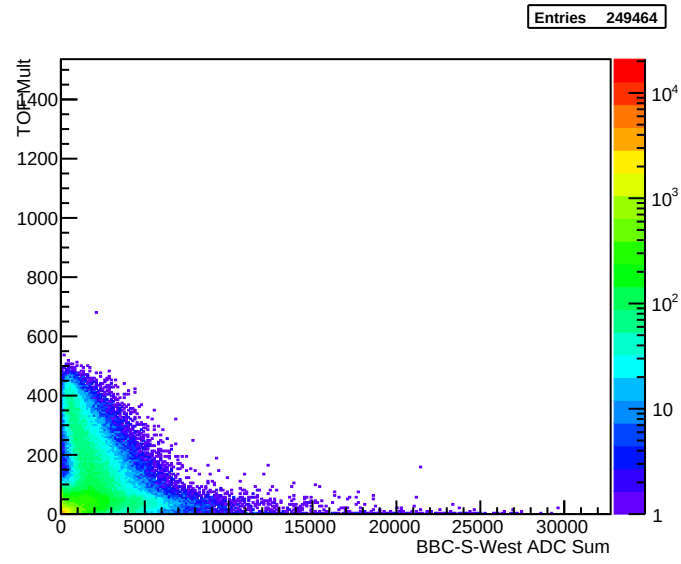

VT201 Input Ch4: VPD Tac Diff
Entries 249464
Tac

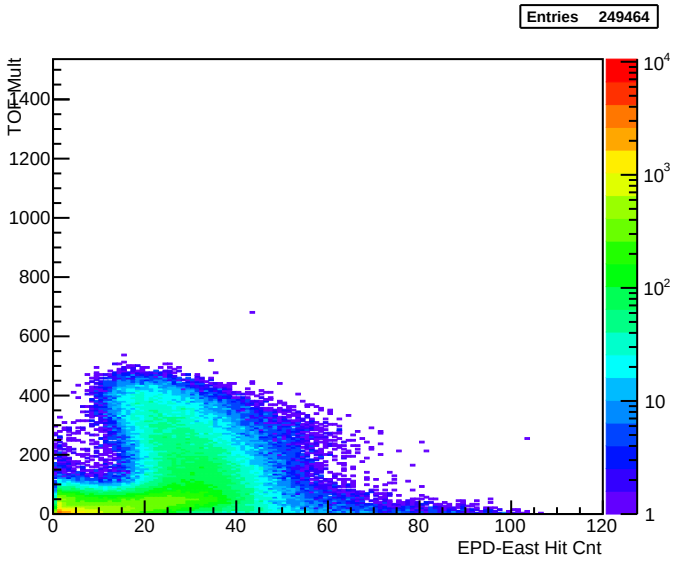

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

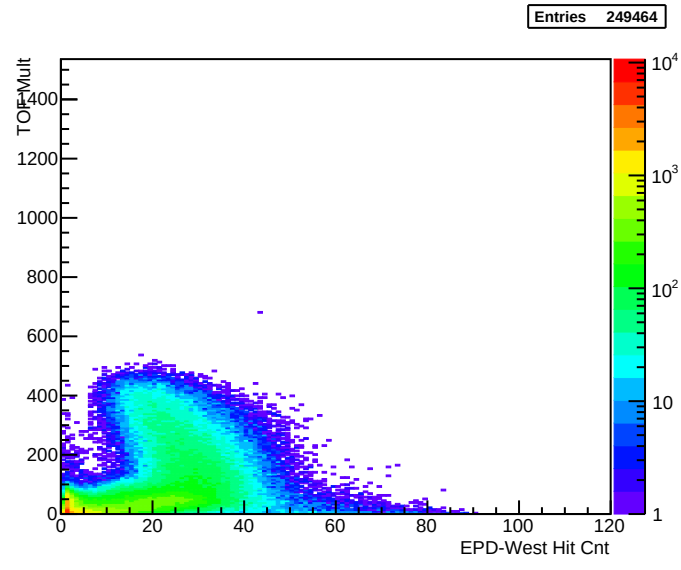

VT201 Input Ch4: VPD Adc Sum Th
Entries 498928
182896
178466
66568
70998
East
West

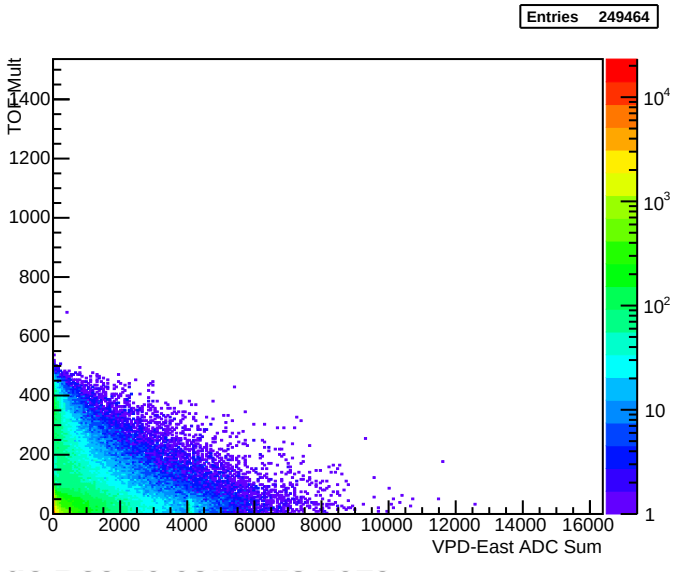

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

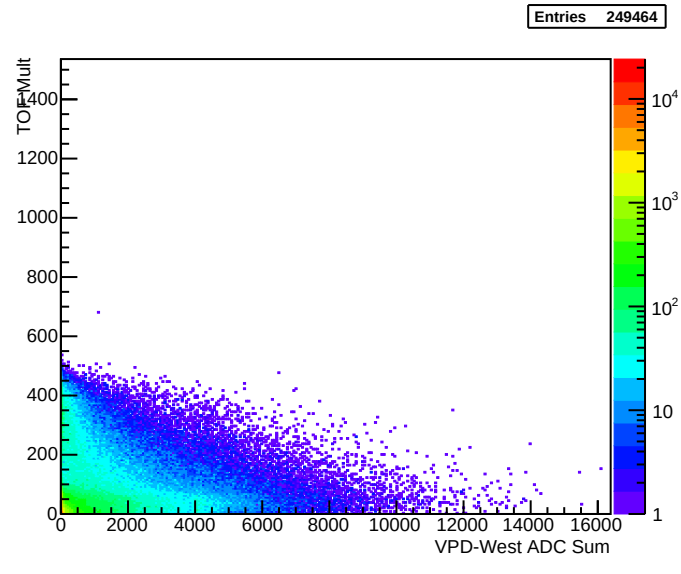

Entries 249464
TOF-Mult
BBC-S-East ADC Sum

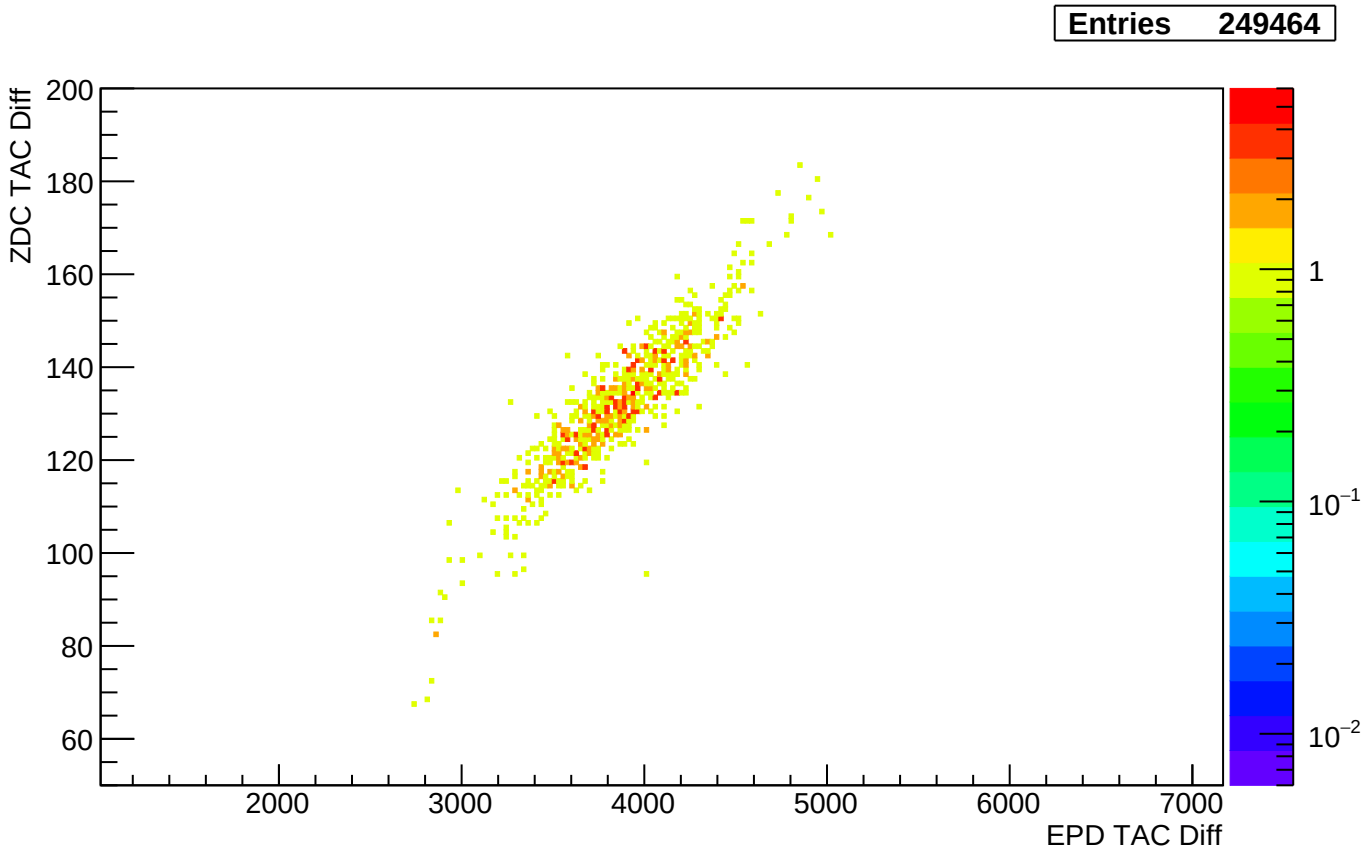

Entries 249464
TOF-Mult
BBC-S-West ADC Sum

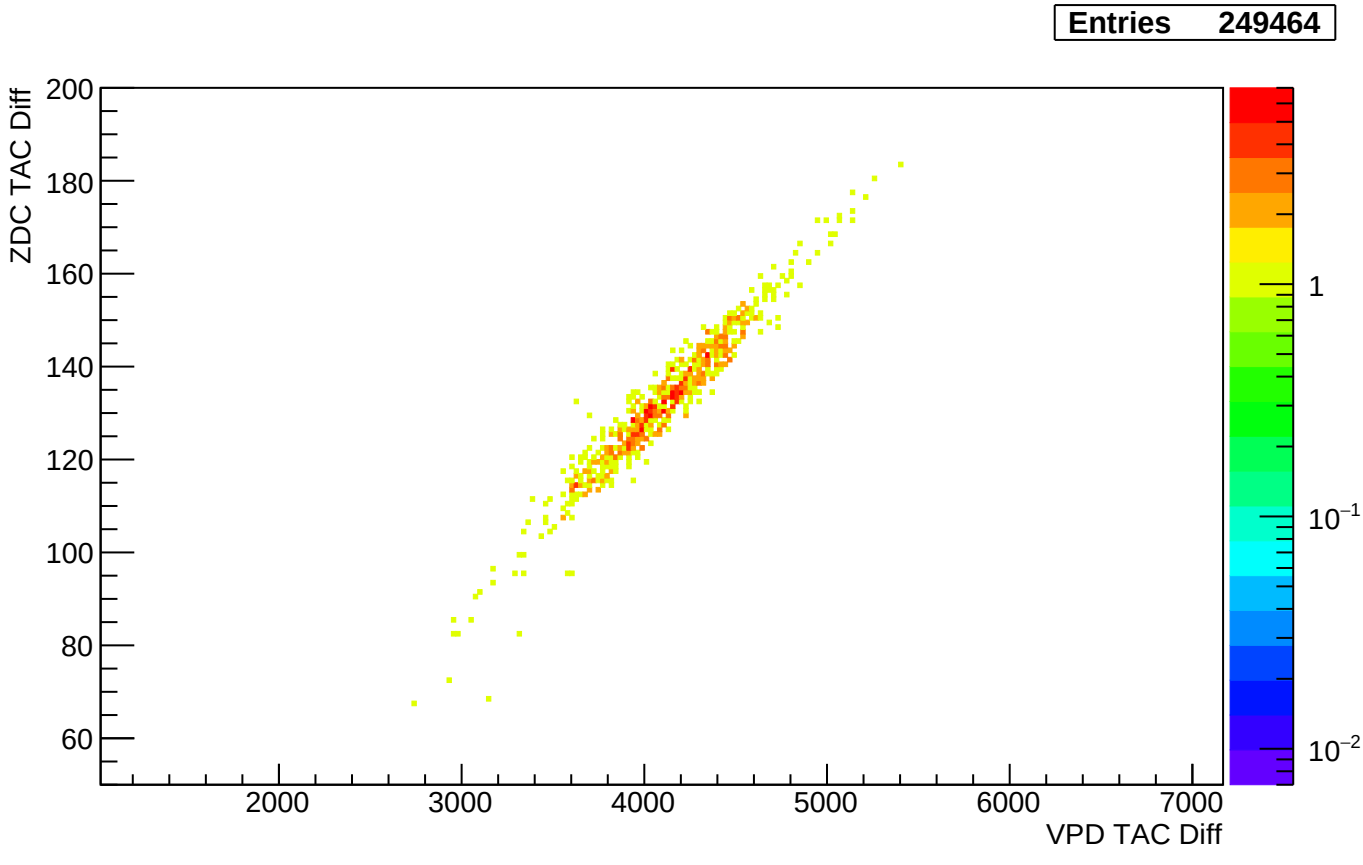

Entries 249464
TOF-Mult
EPD-East Hit Cnt

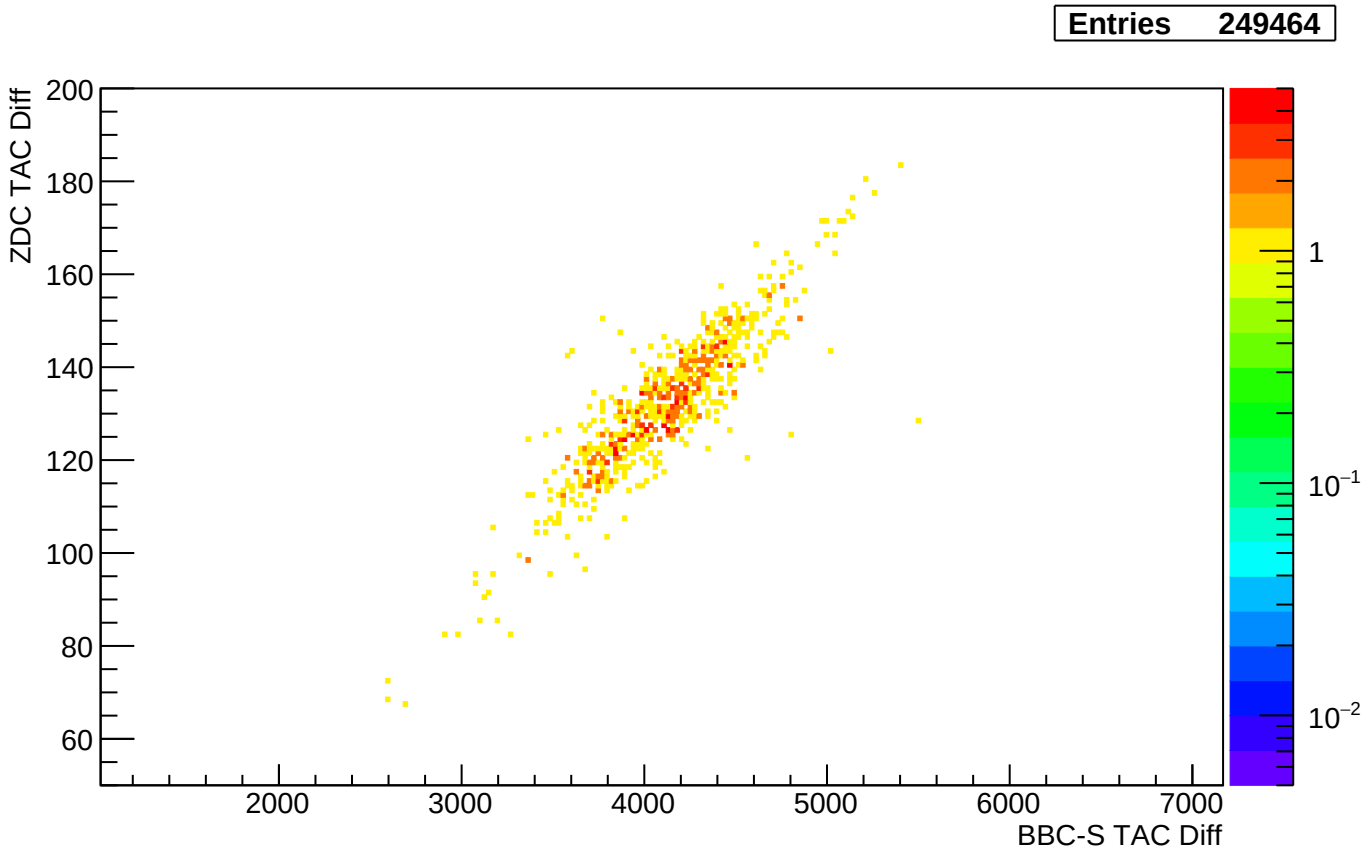

Entries 249464
TOF-Mult
EPD-West Hit Cnt

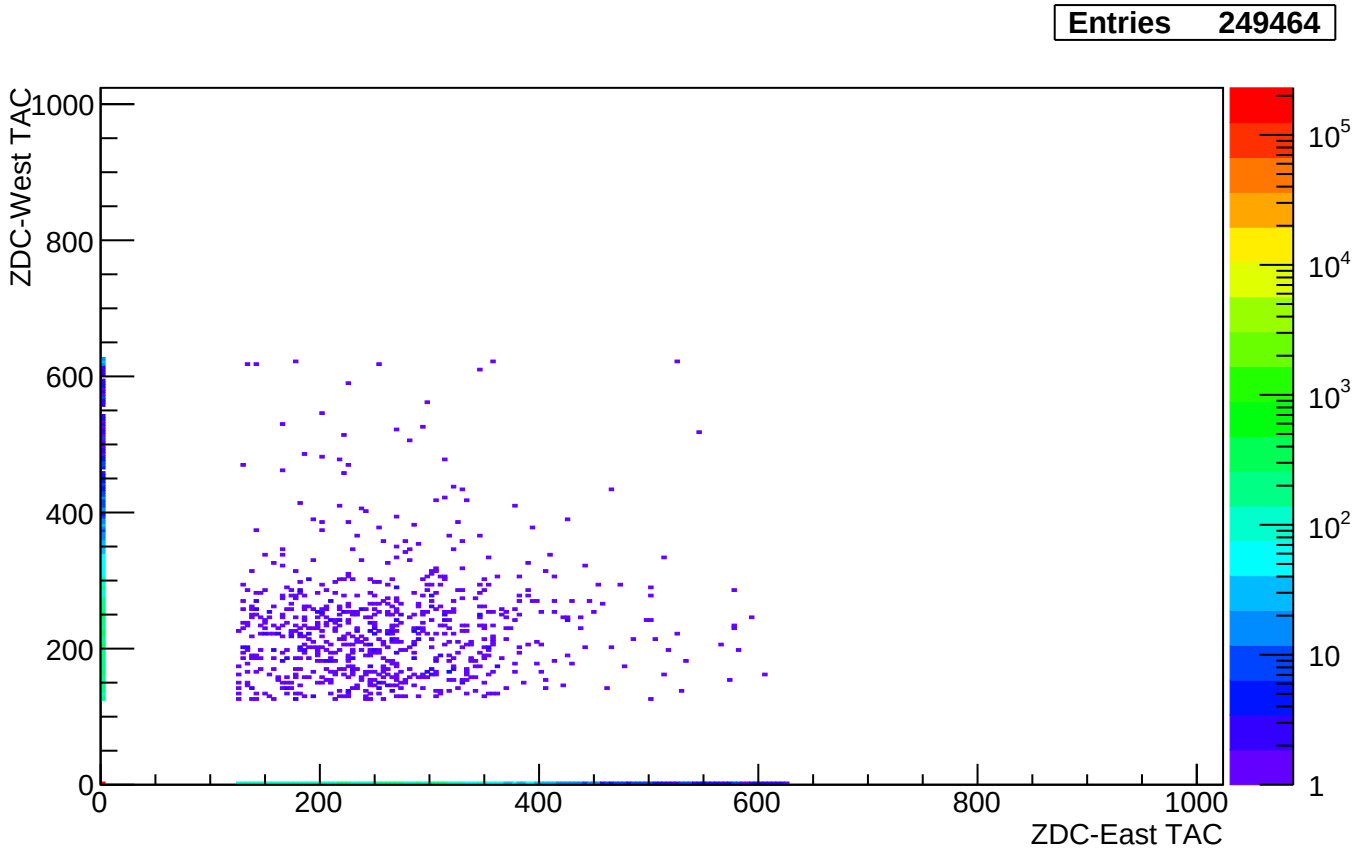

Entries 249464
TOF-Mult
VPD-East ADC Sum

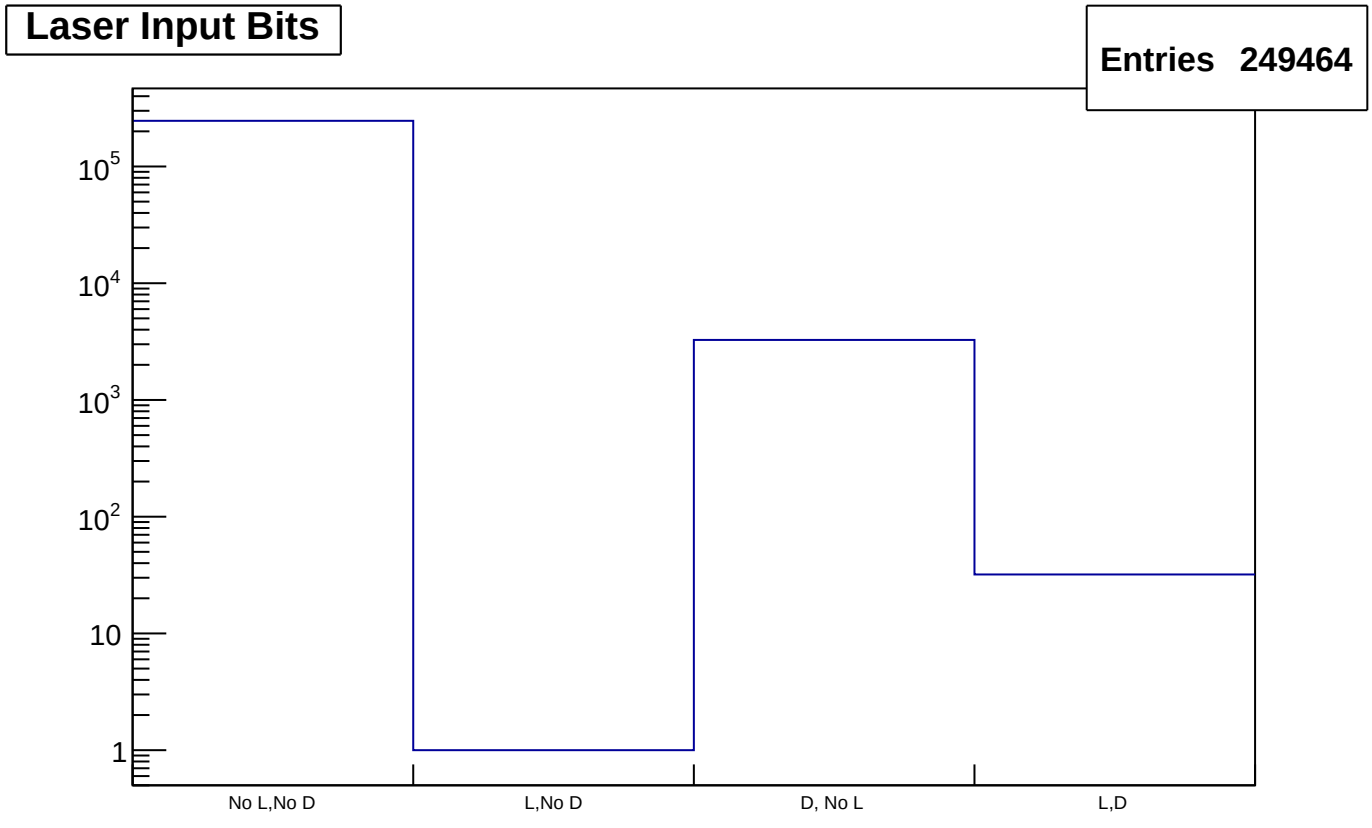

Entries 249464
TOF-Mult
VPD-West ADC Sum

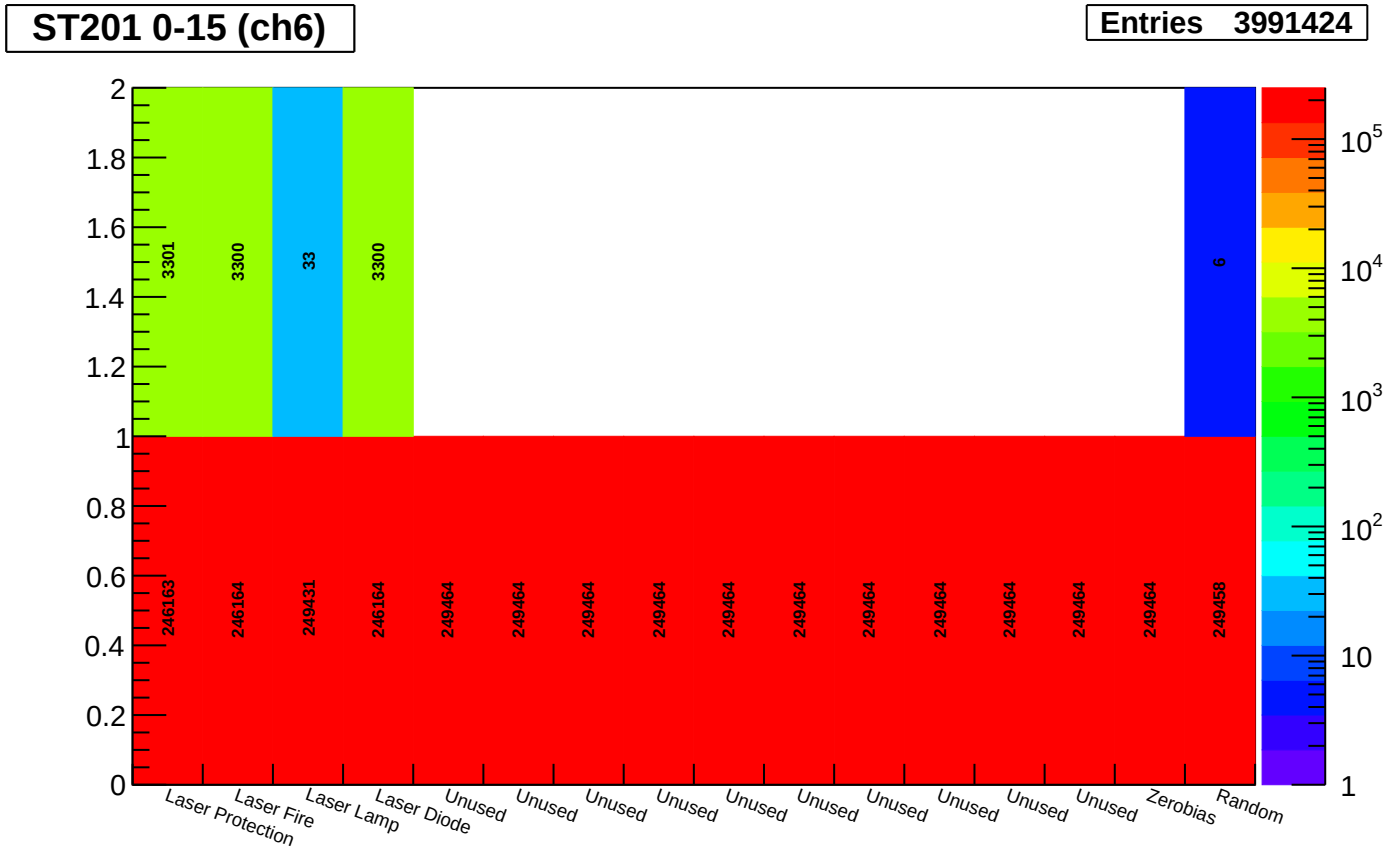

Entries 249464
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

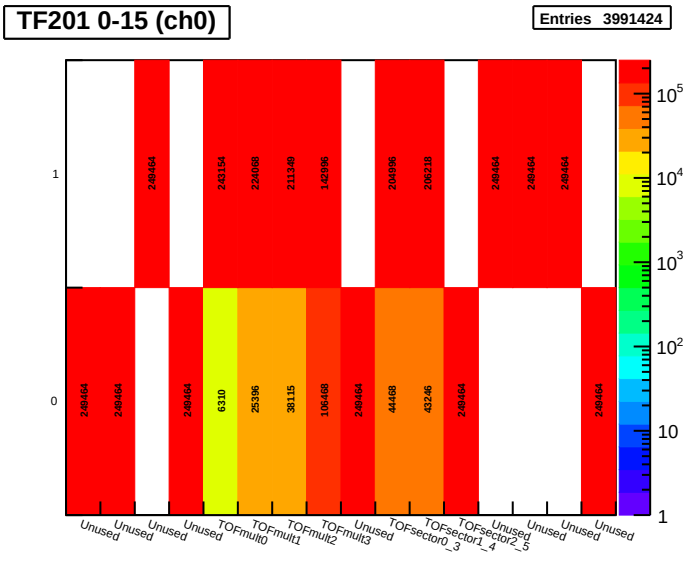

Entries 249464
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

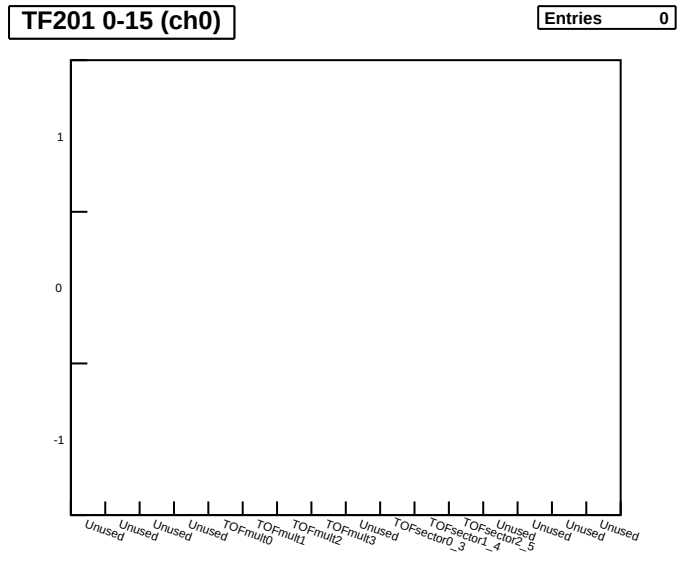

Entries 249464
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

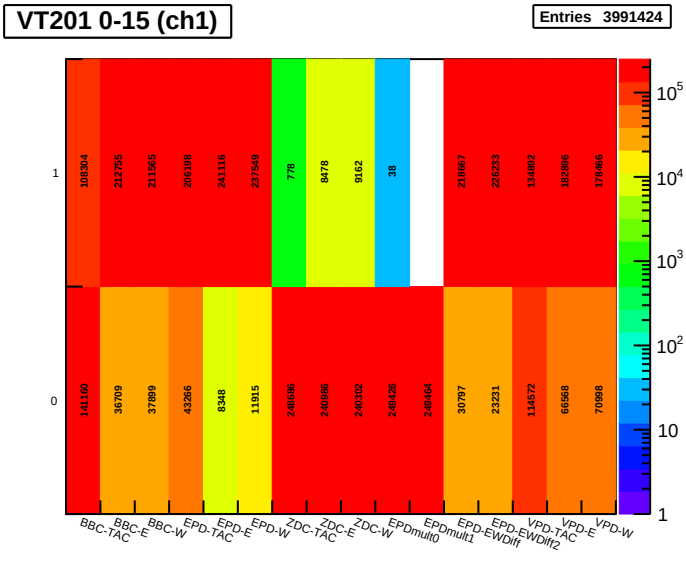

Entries 249464
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

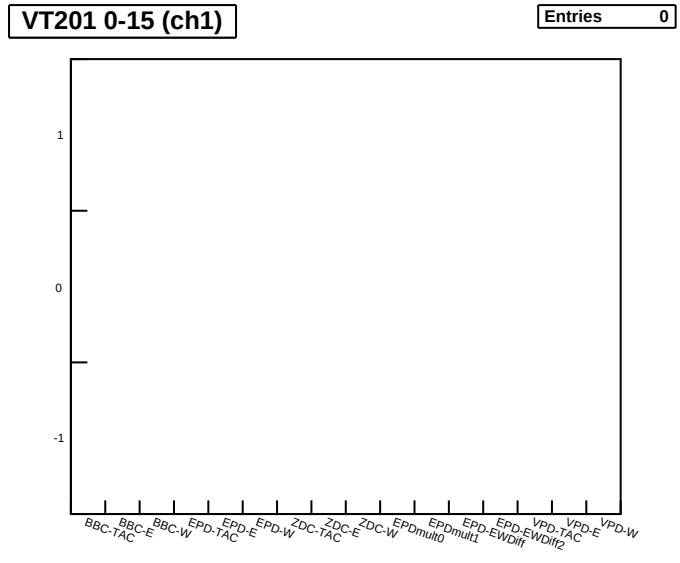

Laser Input Bits
Entries 249464
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

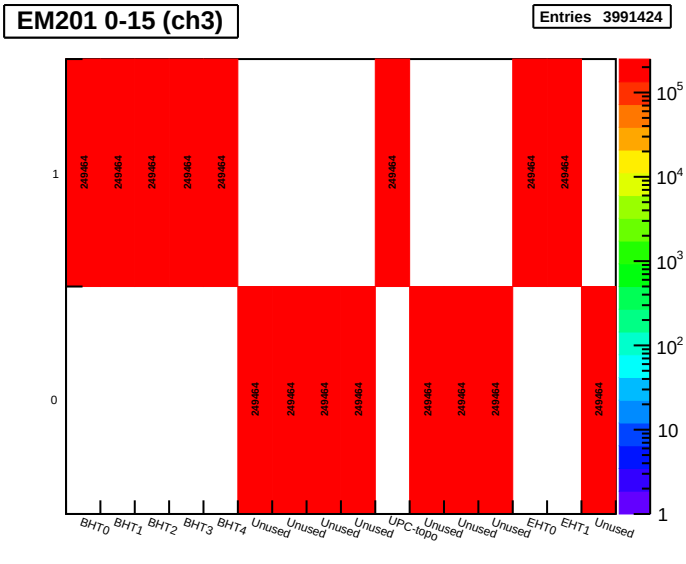

ST201 0-15 (ch6)
Entries 3991424
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3301
3300
33
3300
6
246163
246164
249431
246164
249464
249464
249464
249464
249464
249464
249464
249464
249464
249464
249464
249458
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

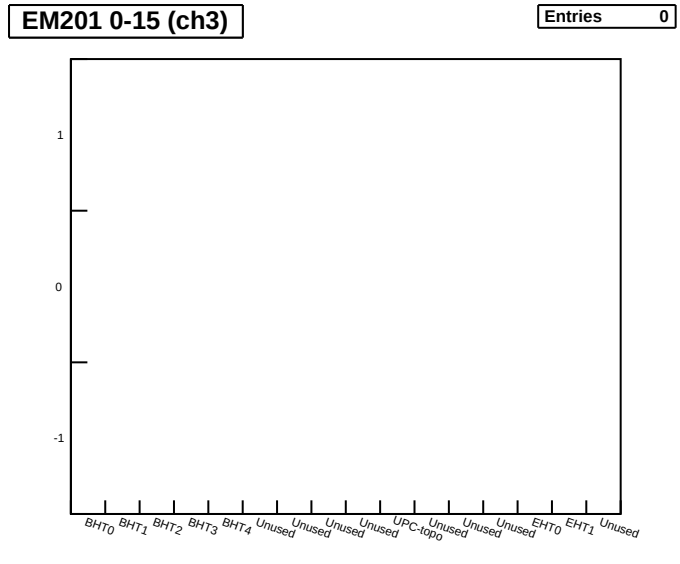

TF201 0-15 (ch0)
Entries 3991424
1
0
249464
243154
224068
211349
142996
204996
206218
249464
249464
249464
249464
249464
249464
6310
25396
38115
106468
249464
44468
43246
249464
249464
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
10^4
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 3991424
1
0
108304
212755
211565
206198
241116
237549
778
8478
9162
38
218667
226233
134892
182896
178466
141160
36709
37899
43266
8348
11915
249686
249986
240302
249426
249464
30797
23231
114572
66568
70998
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
10^5
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 3991424
1
0
249464
249464
249464
249464
249464
249464
249464
249464
249464
249464
249464
249464
249464
249464
249464
249464
249464
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
10^5
10^4
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