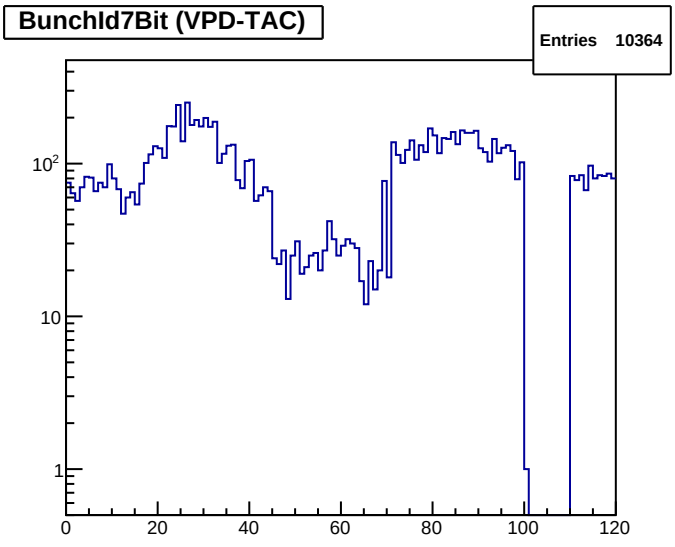
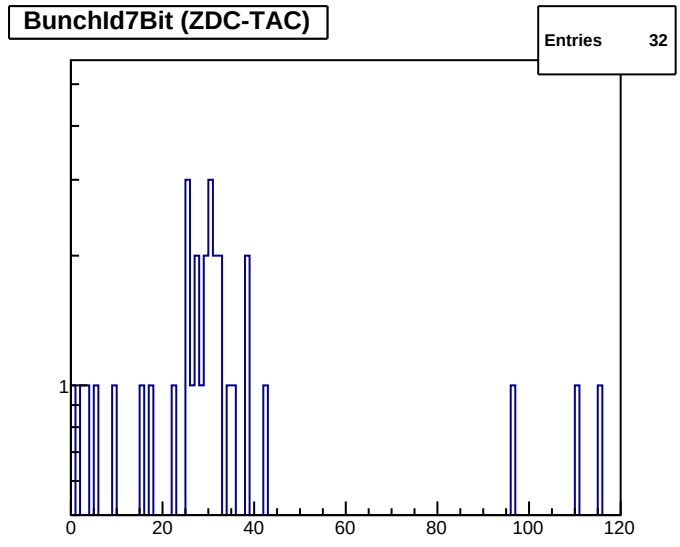
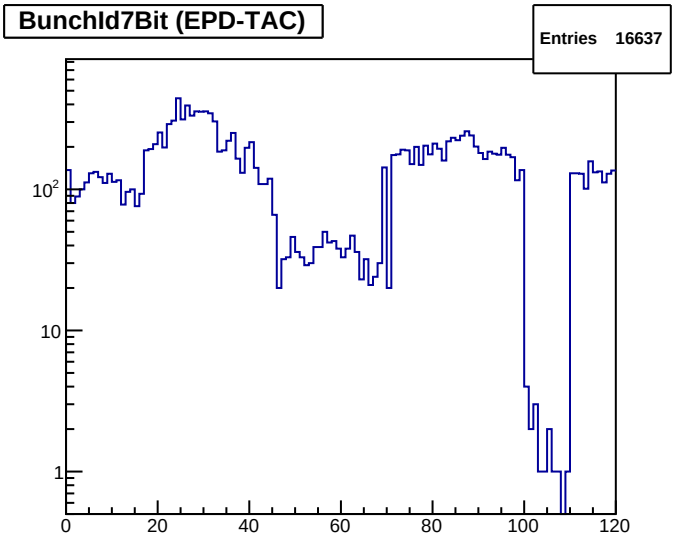
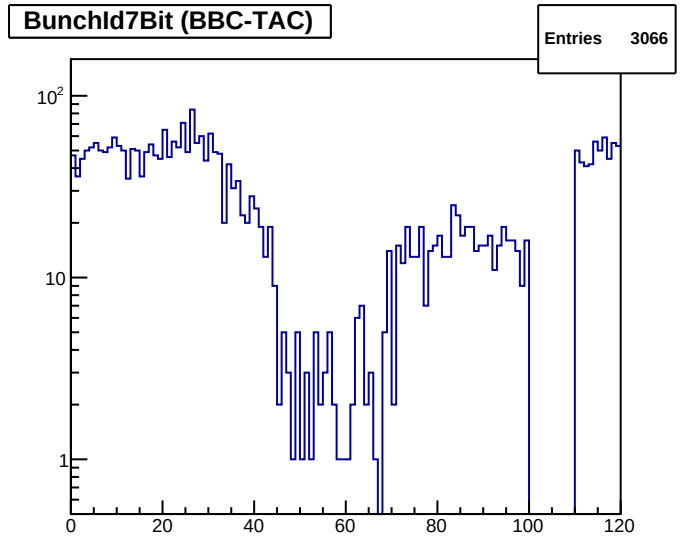
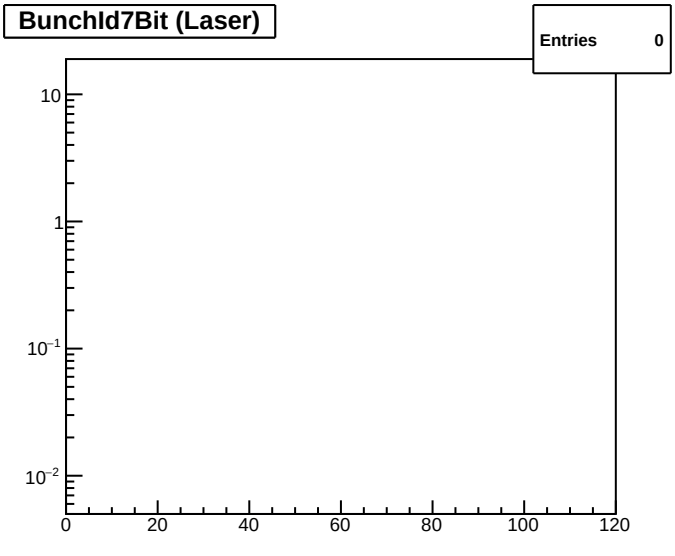
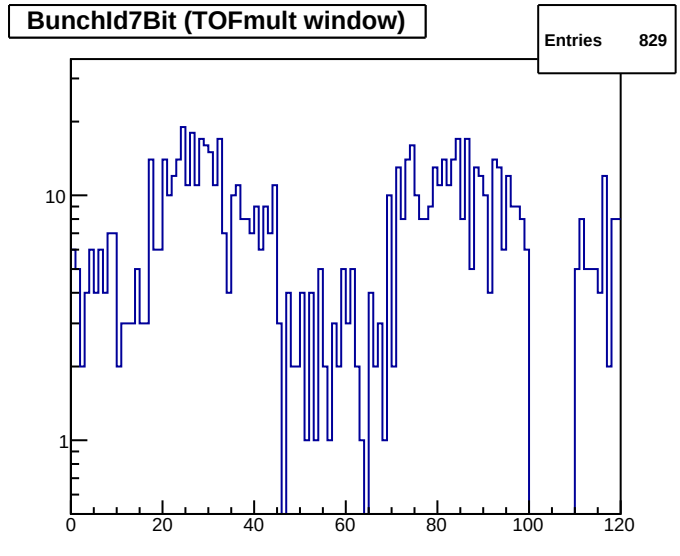

BunchId7Bit (VPD-TAC)
Entries 10364

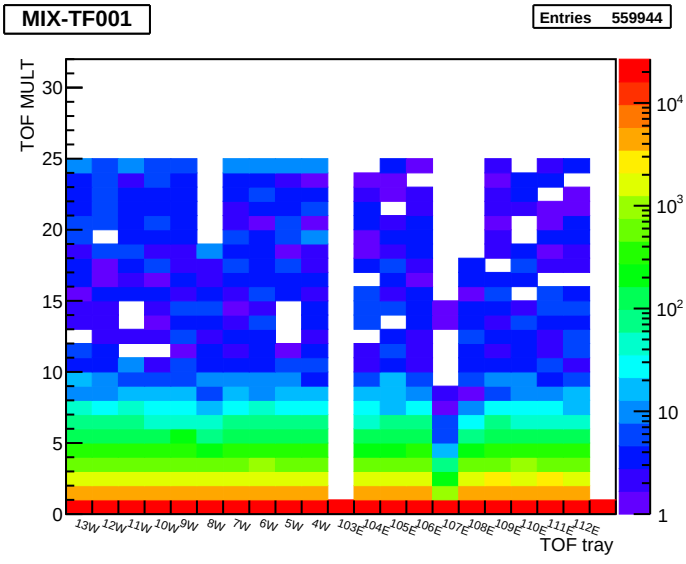

BunchId7Bit (ZDC-TAC)
Entries 32

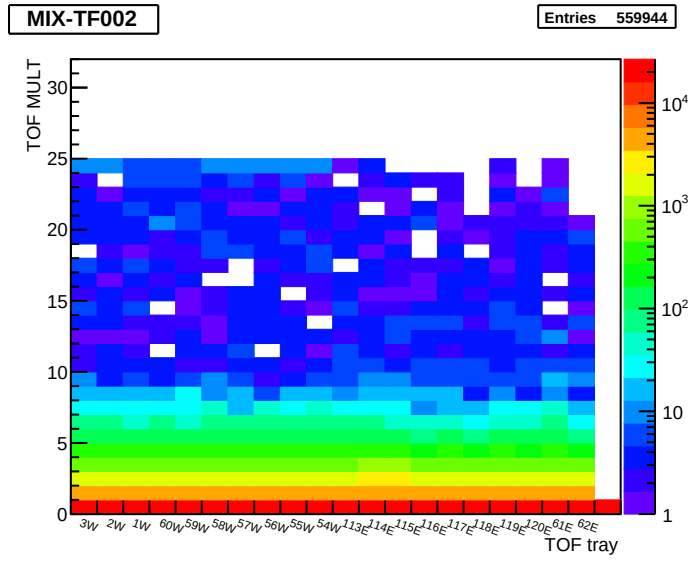

BunchId7Bit (EPD-TAC)
Entries 16637

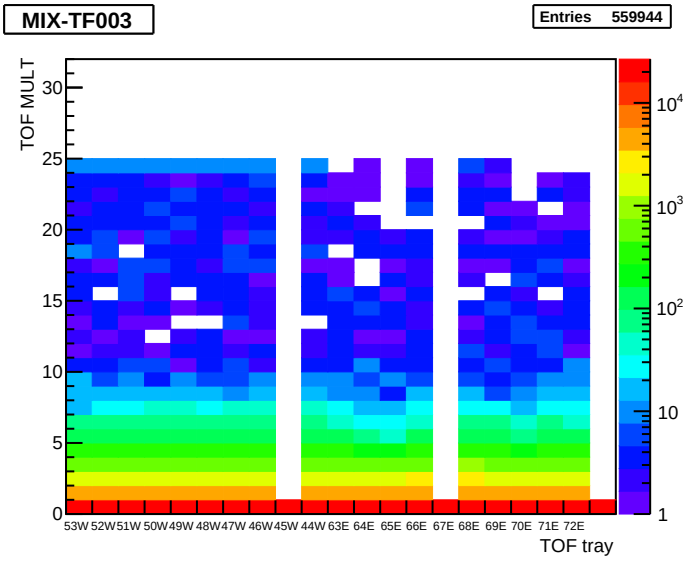

BunchId7Bit (BBC-TAC)
Entries 3066

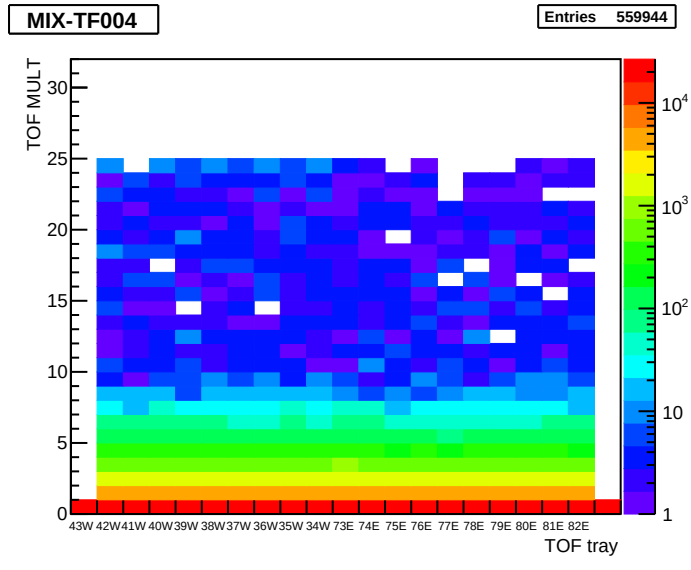

BunchId7Bit (Laser)
Entries 0

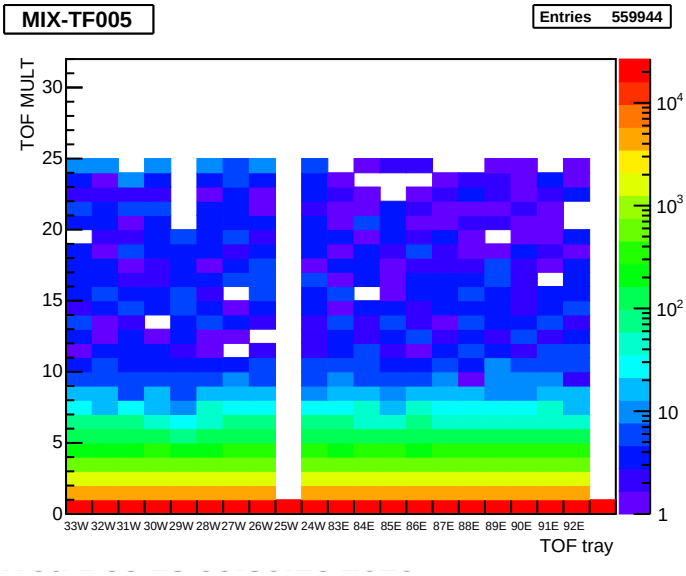

BunchId7Bit (TOFmult window)
Entries 829

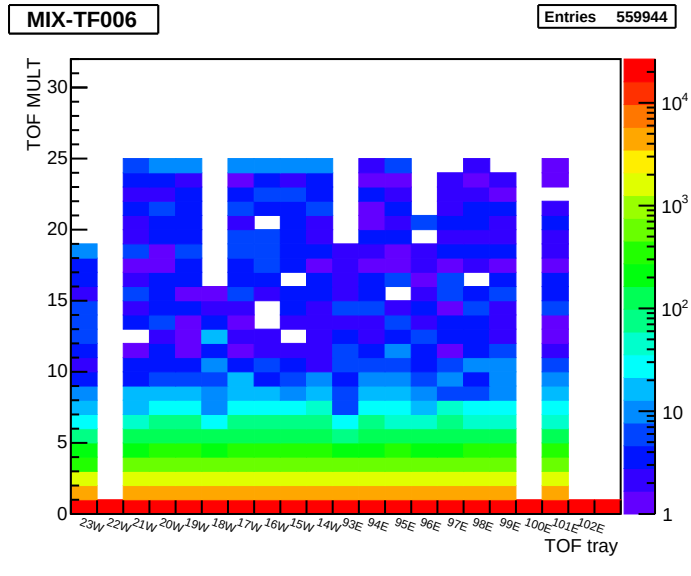

MIX-TF001
Entries 559944
TOF MULT
TOF tray

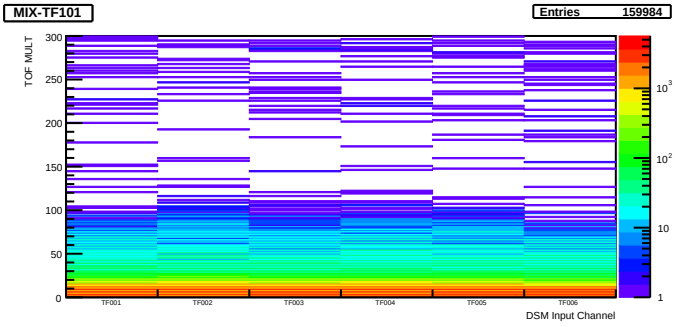

MIX-TF002
Entries 559944
TOF MULT
TOF tray

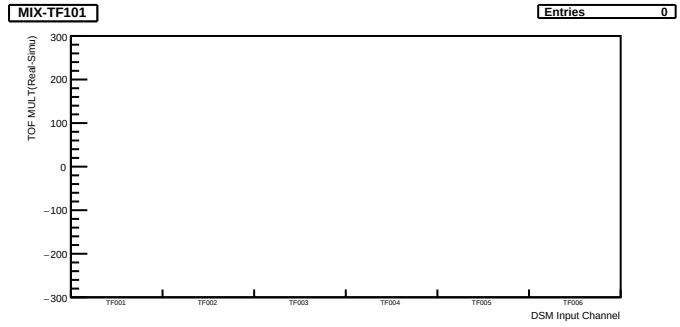

MIX-TF003
Entries 559944
TOF MULT
TOF tray

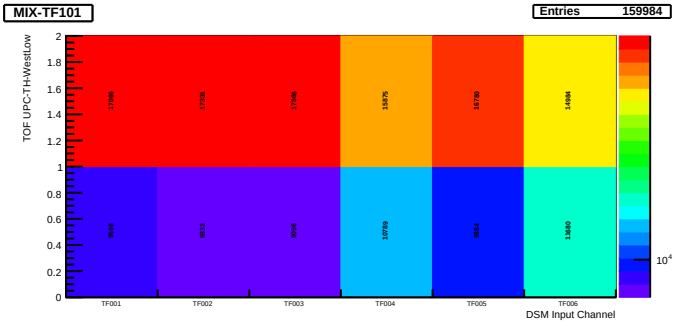

MIX-TF004
Entries 559944
TOF MULT
TOF tray

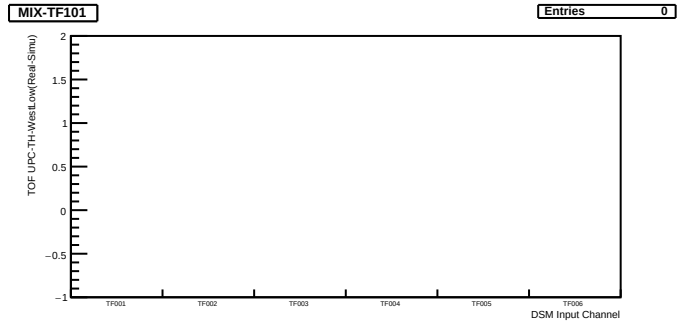

MIX-TF005
Entries 559944
TOF MULT
TOF tray

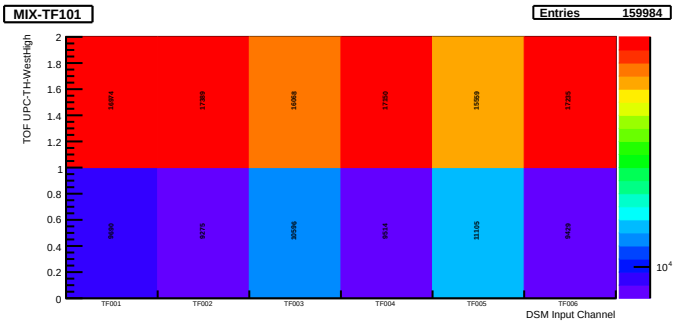

MIX-TF006
Entries 559944
TOF MULT
TOF tray

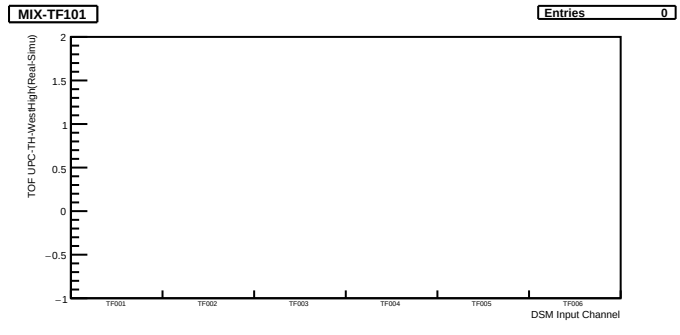

MIX-TF101
Entries 159984
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

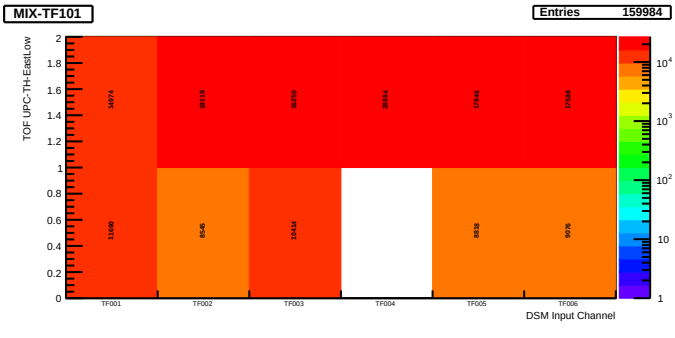

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

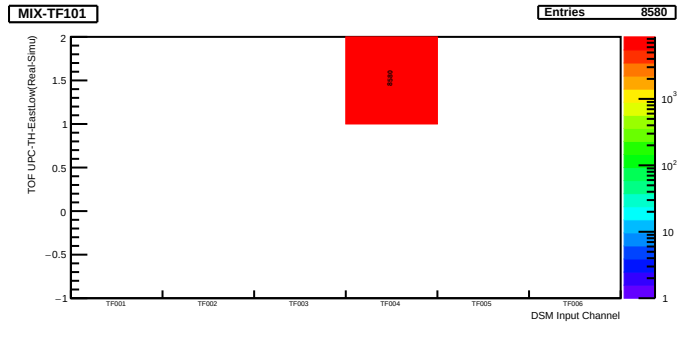

MIX-TF101
Entries 159984
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

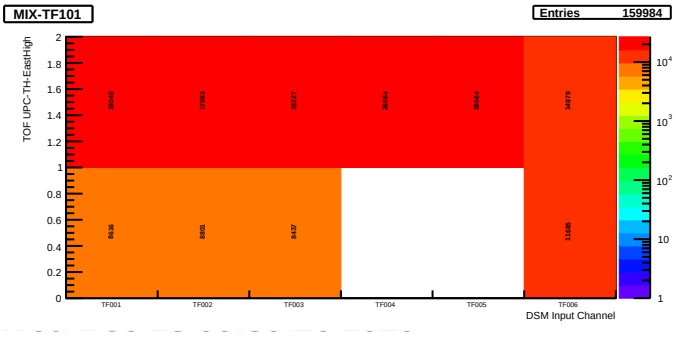

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

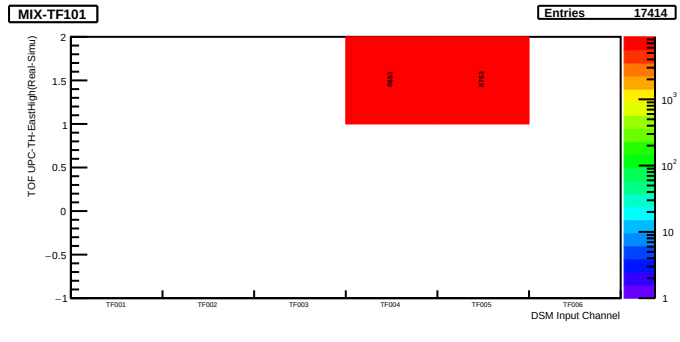

MIX-TF101
Entries 159984
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

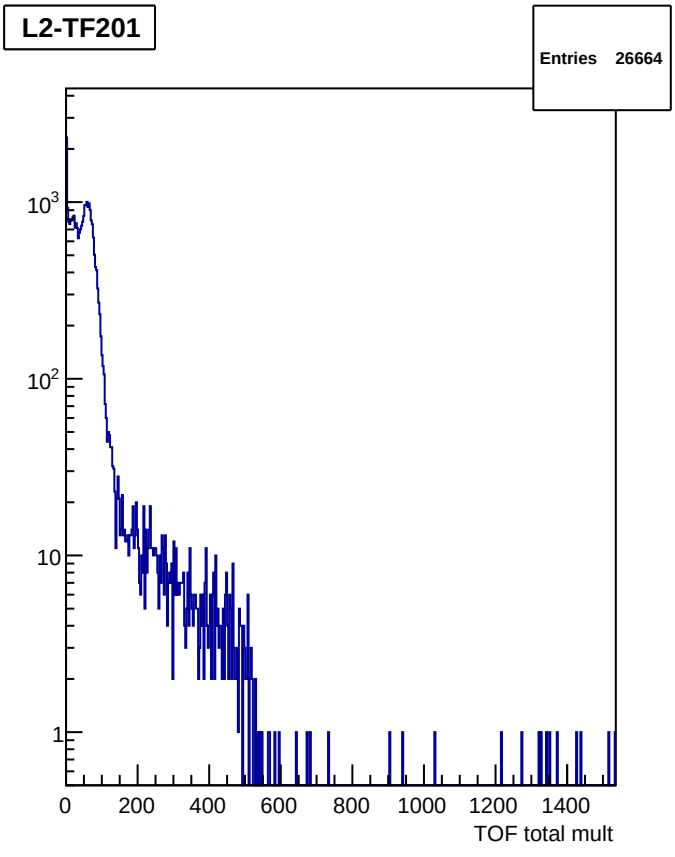

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

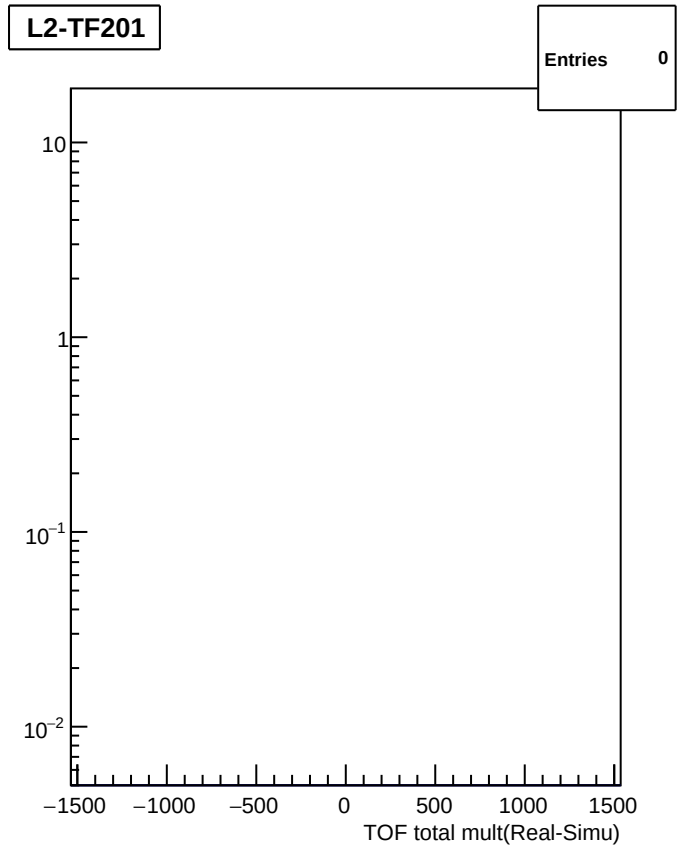

MIX-TF101
Entries 159984
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

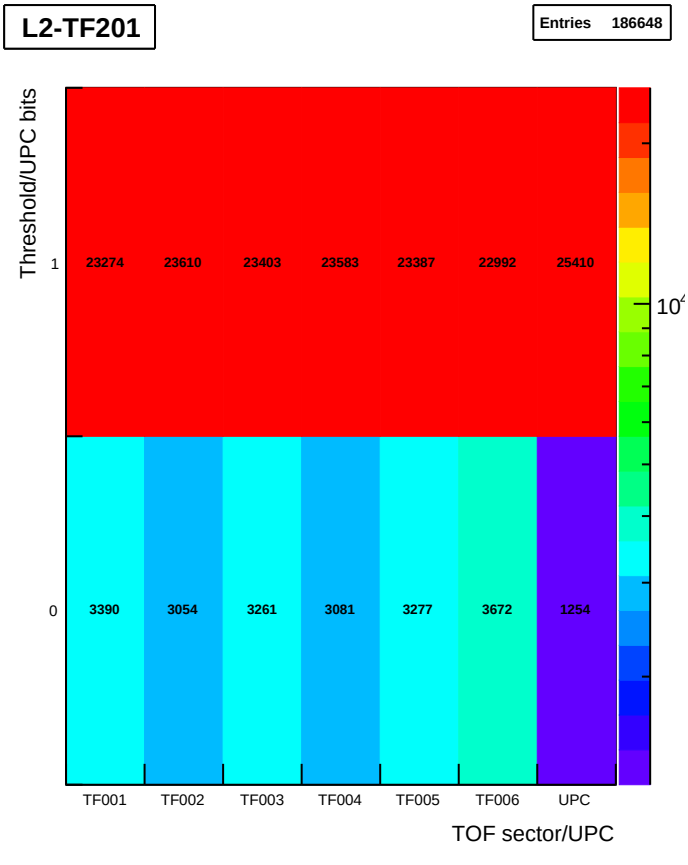

MIX-TF101
Entries 8580
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

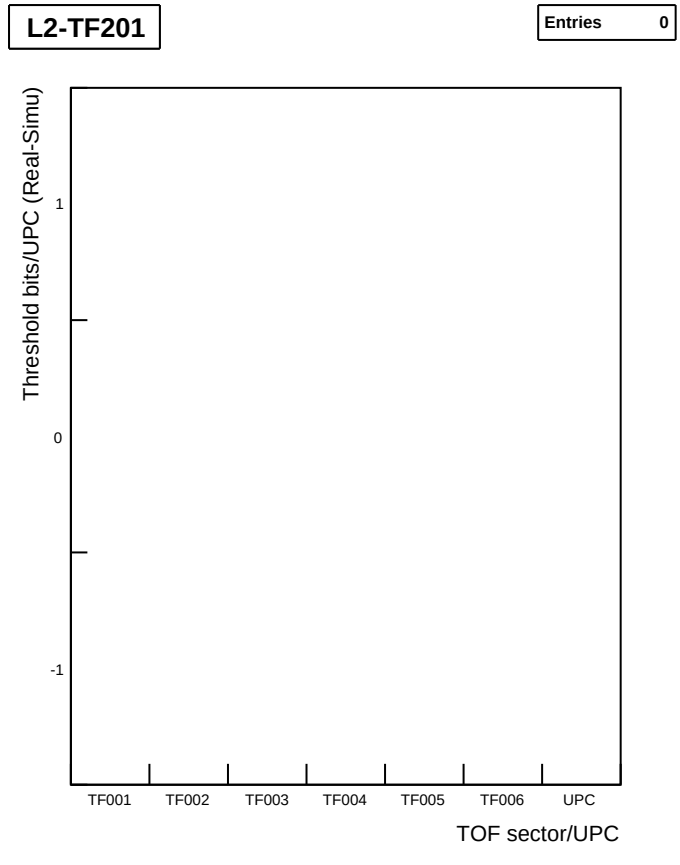

MIX-TF101
Entries 159984
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

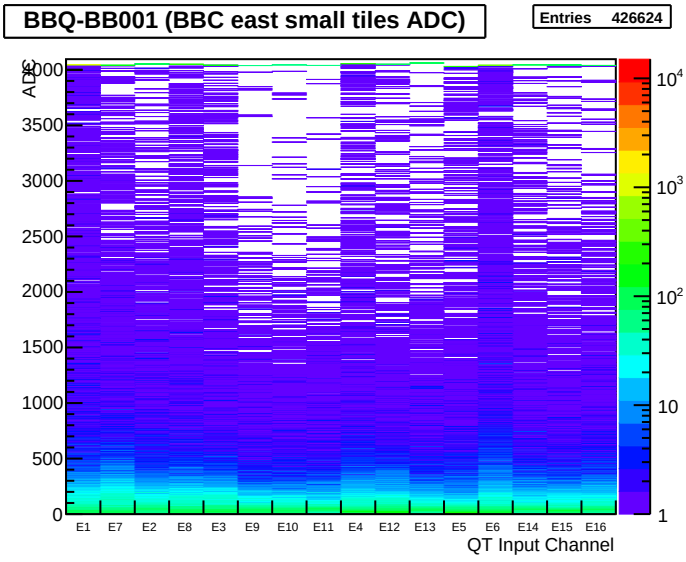

MIX-TF101
Entries 17414
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

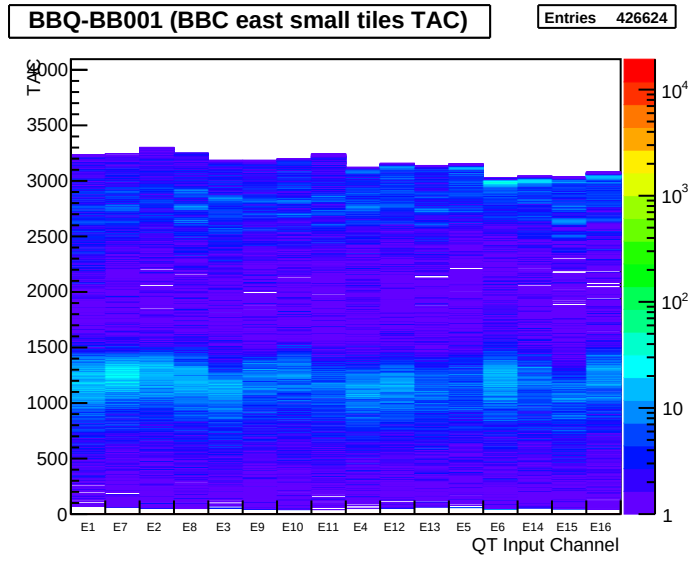

L2-TF201
Entries 26664
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

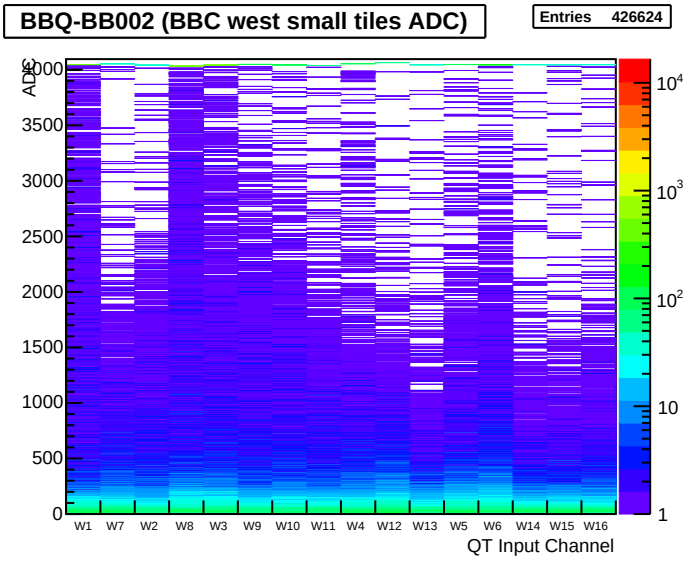

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

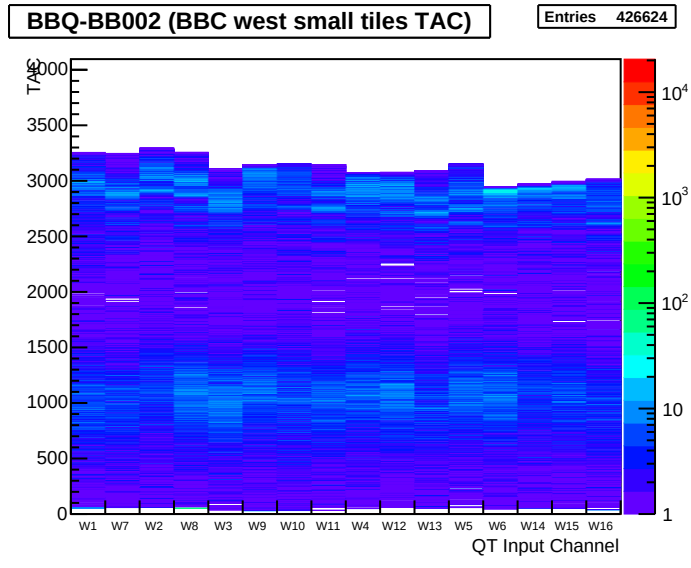

L2-TF201
Entries 186648
Threshold/UPC bits
1
0
23274
23610
23403
23583
23387
22992
25410
3390
3054
3261
3081
3277
3672
1254
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

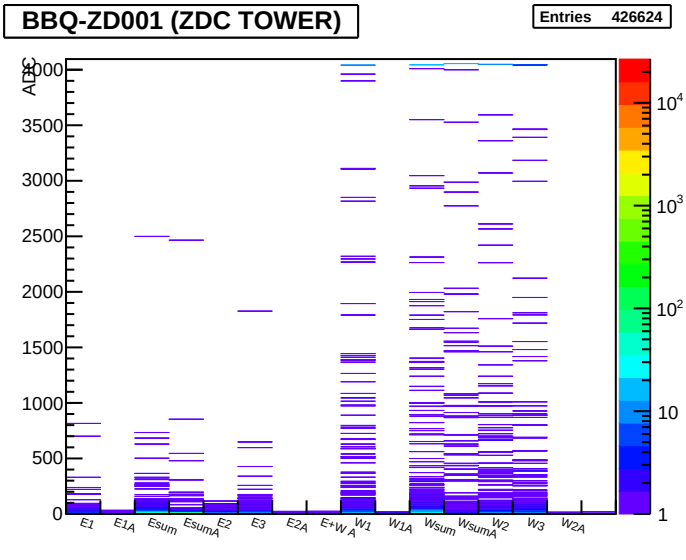

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

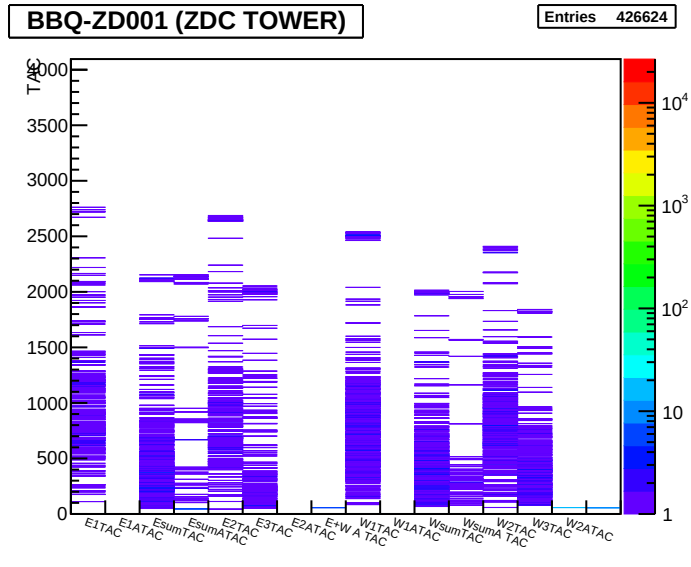

BBQ-BB001 (BBC east small tiles ADC)
Entries 426624
ADC
QT Input Channel

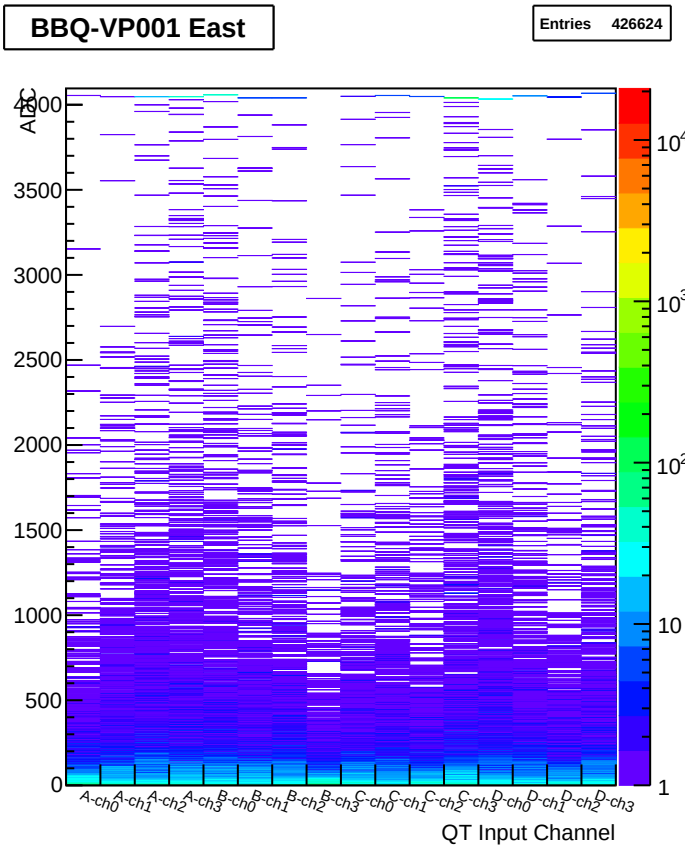

BBQ-BB001 (BBC east small tiles TAC)
Entries 426624
TAC
QT Input Channel

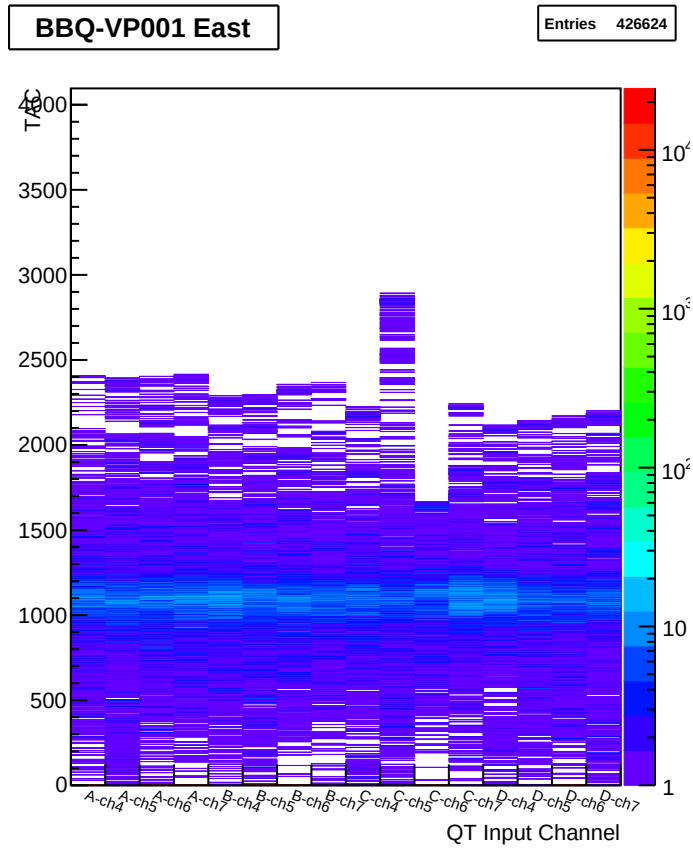

BBQ-BB002 (BBC west small tiles ADC)
Entries 426624
ADC
QT Input Channel

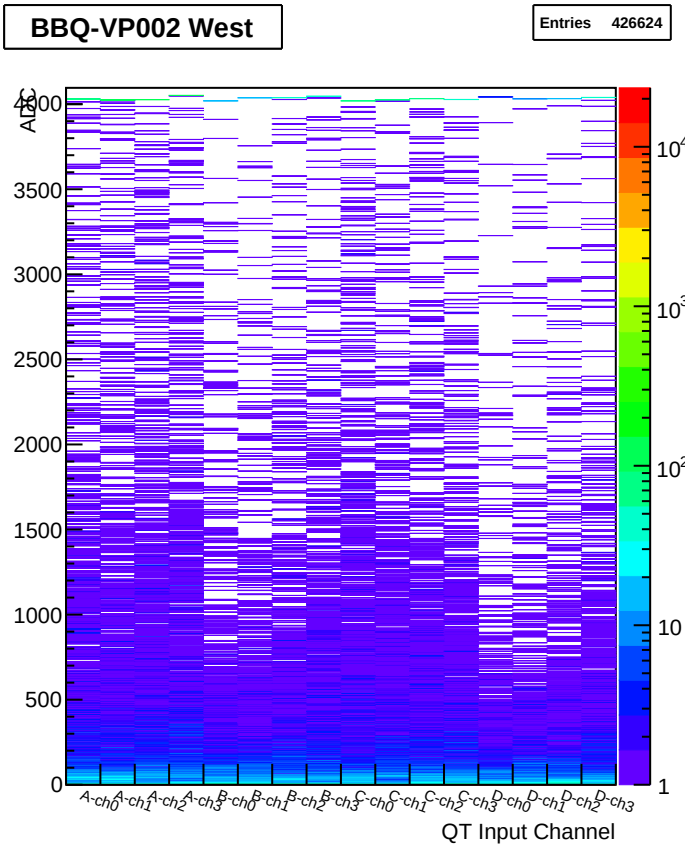

BBQ-BB002 (BBC west small tiles TAC)
Entries 426624
TAC
QT Input Channel

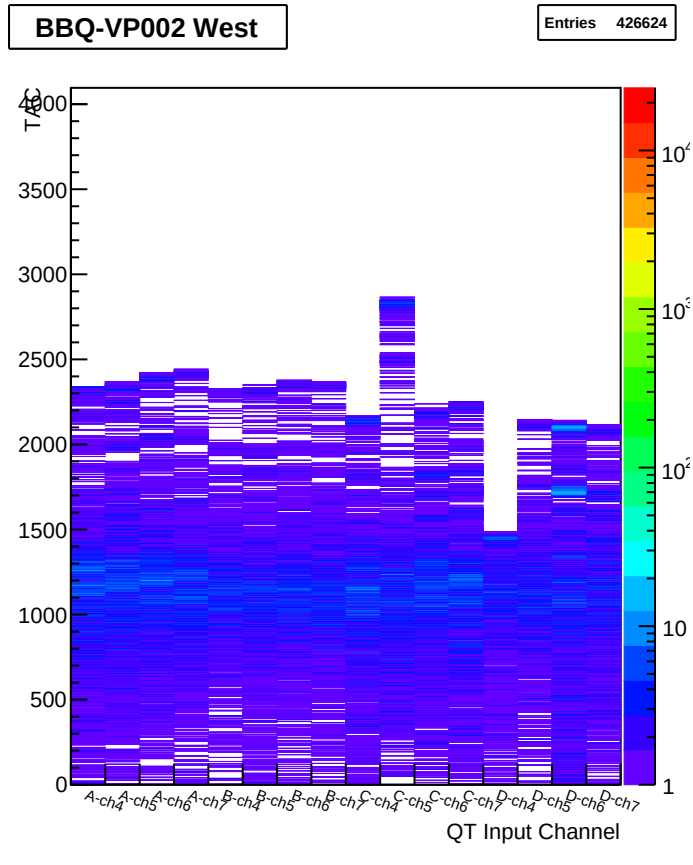

BBQ-ZD001 (ZDC TOWER)
Entries 426624
ADC

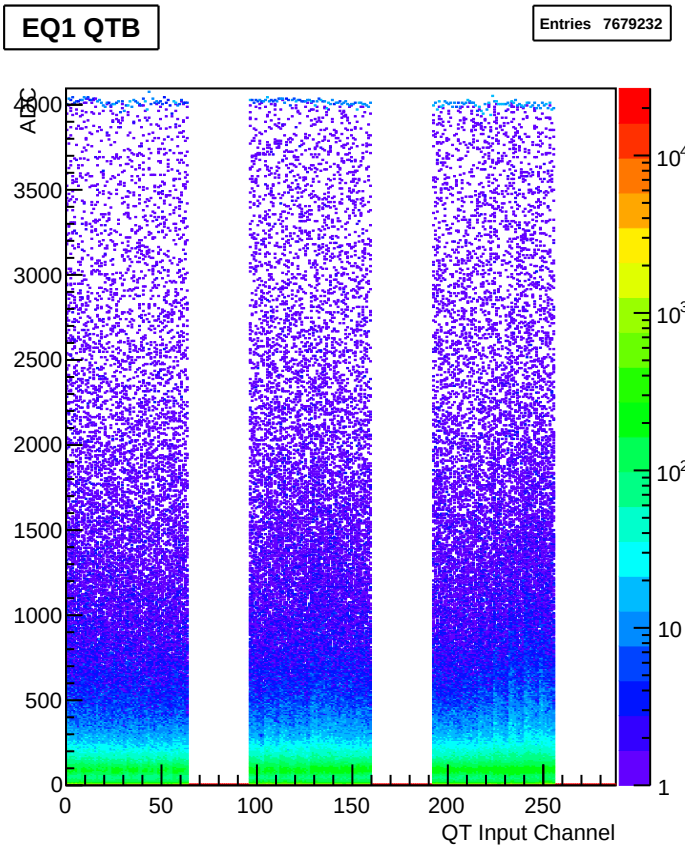

BBQ-ZD001 (ZDC TOWER)
Entries 426624
TAC

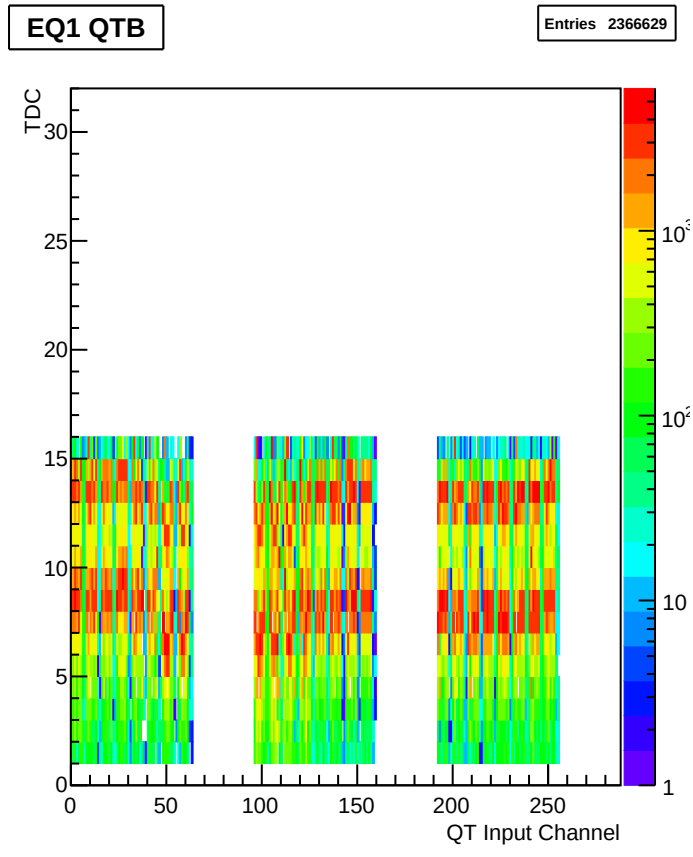

BBQ-VP001 East
Entries 426624
ADC
QT Input Channel

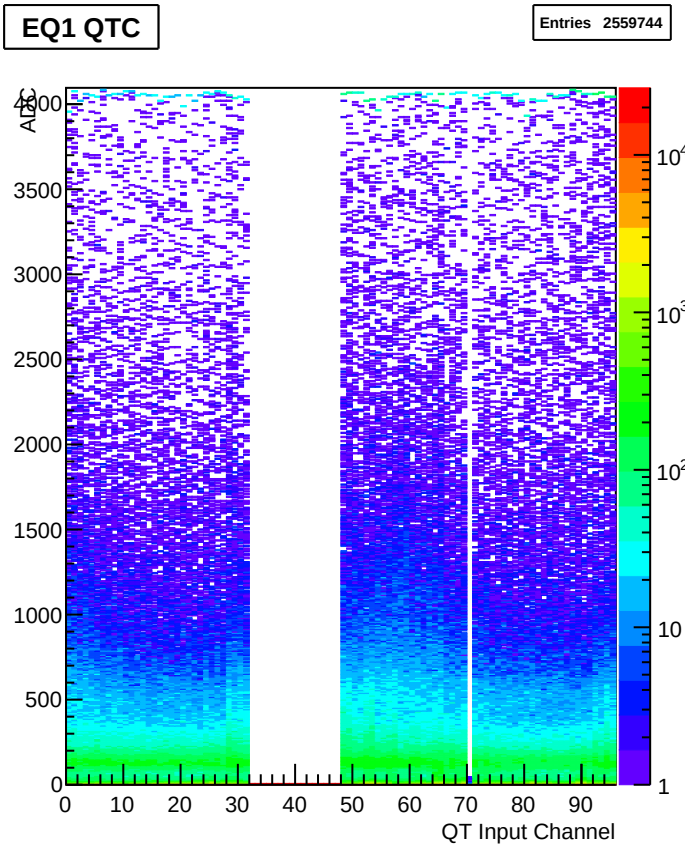

BBQ-VP001 East
Entries 426624
TAC
QT Input Channel

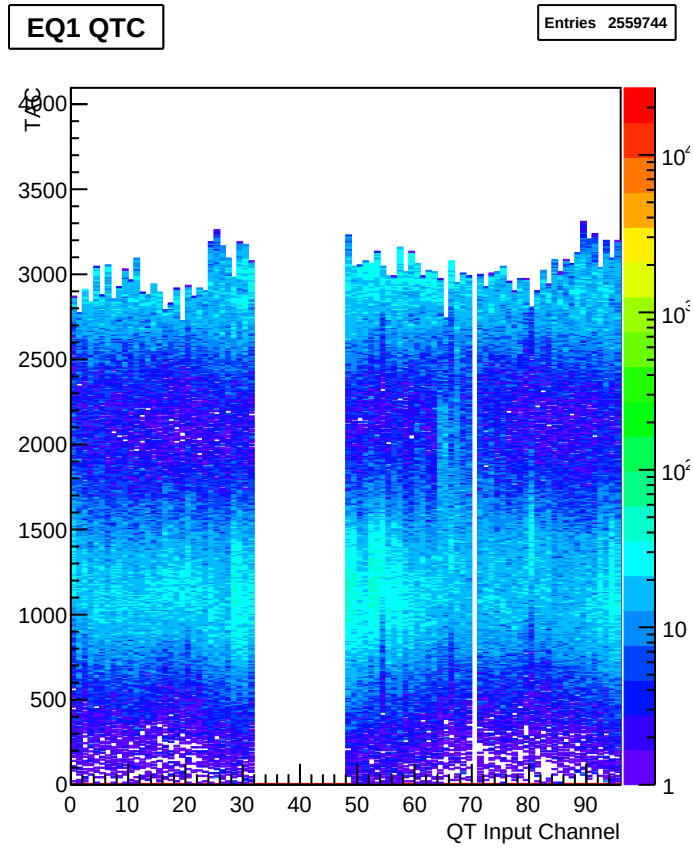

BBQ-VP002 West
Entries 426624
ADC
QT Input Channel

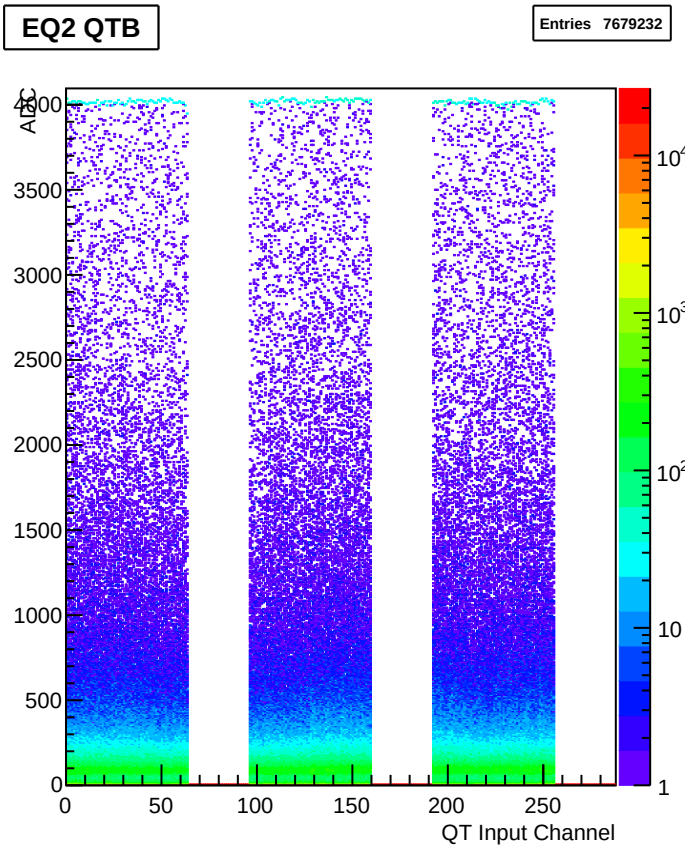

BBQ-VP002 West
Entries 426624
TAC
QT Input Channel

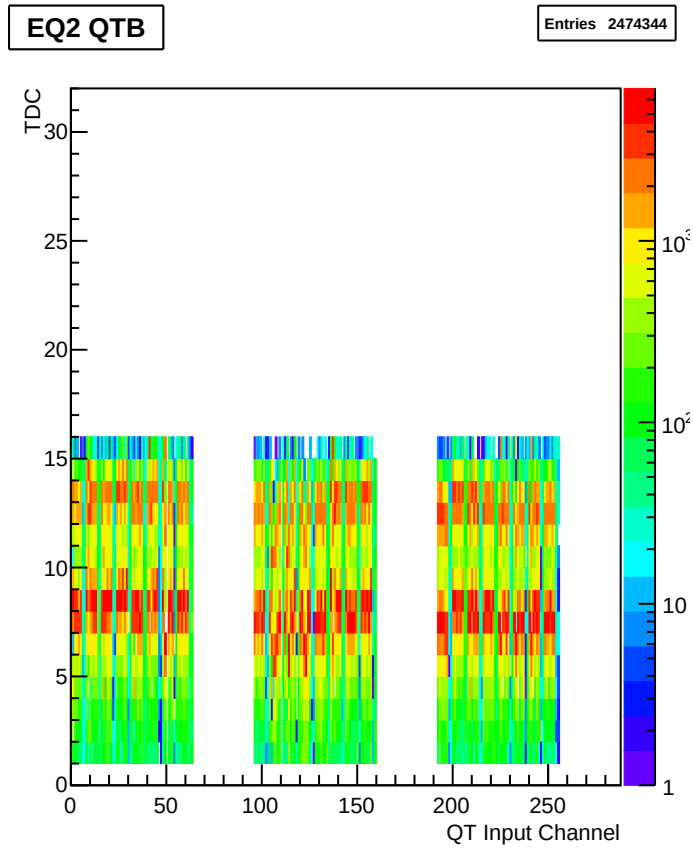

EQ1 QTB
Entries 7679232
ADC
QT Input Channel

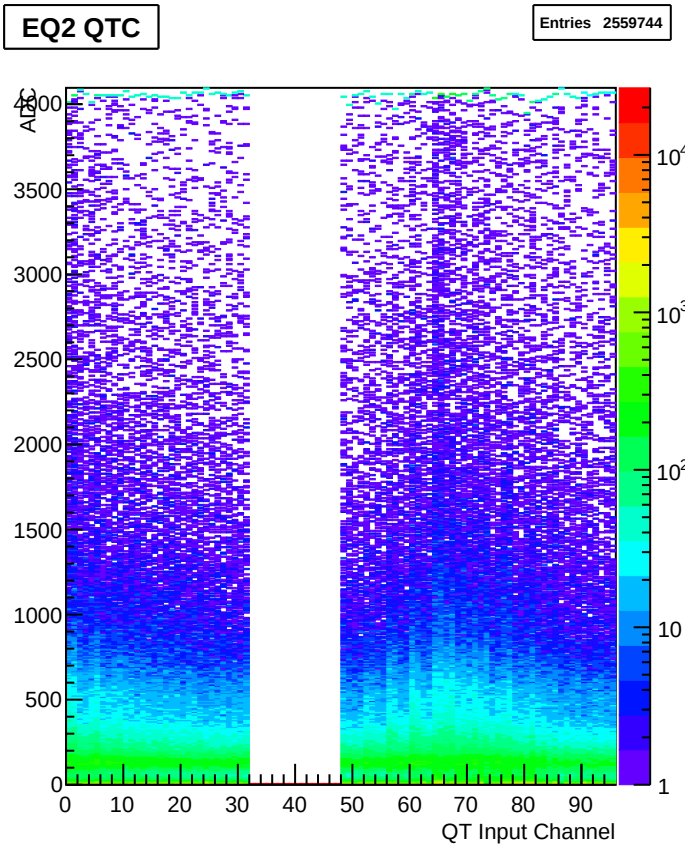

EQ1 QTB
Entries 2366629
TDC
QT Input Channel

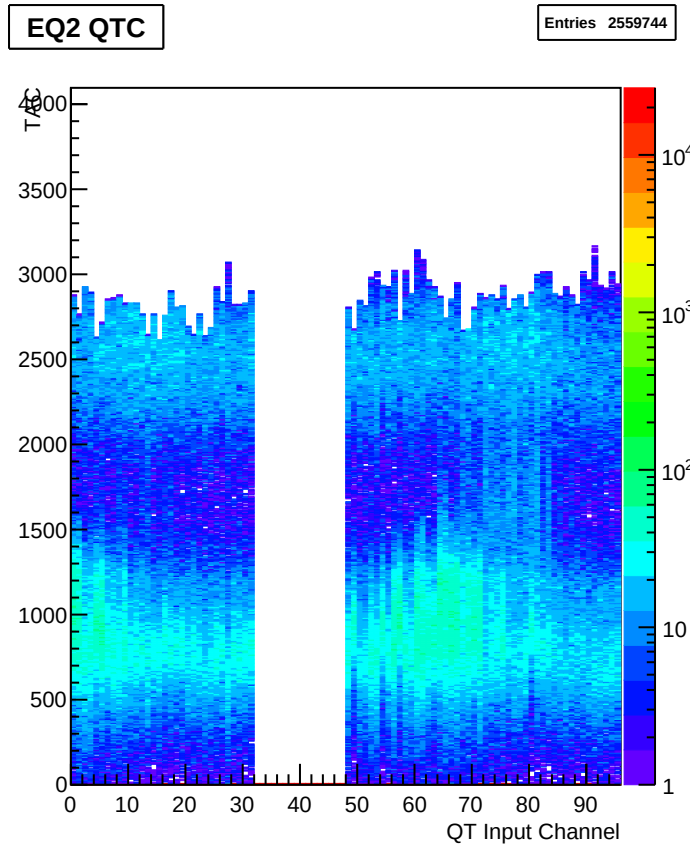

EQ1 QTC
Entries 2559744
ADC
QT Input Channel

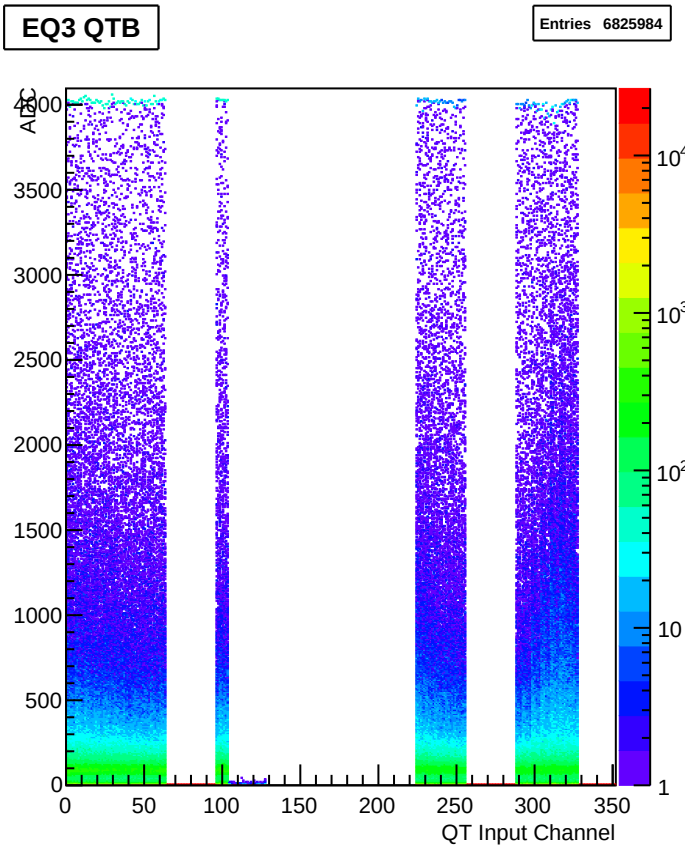

EQ1 QTC
Entries 2559744
TADC
QT Input Channel

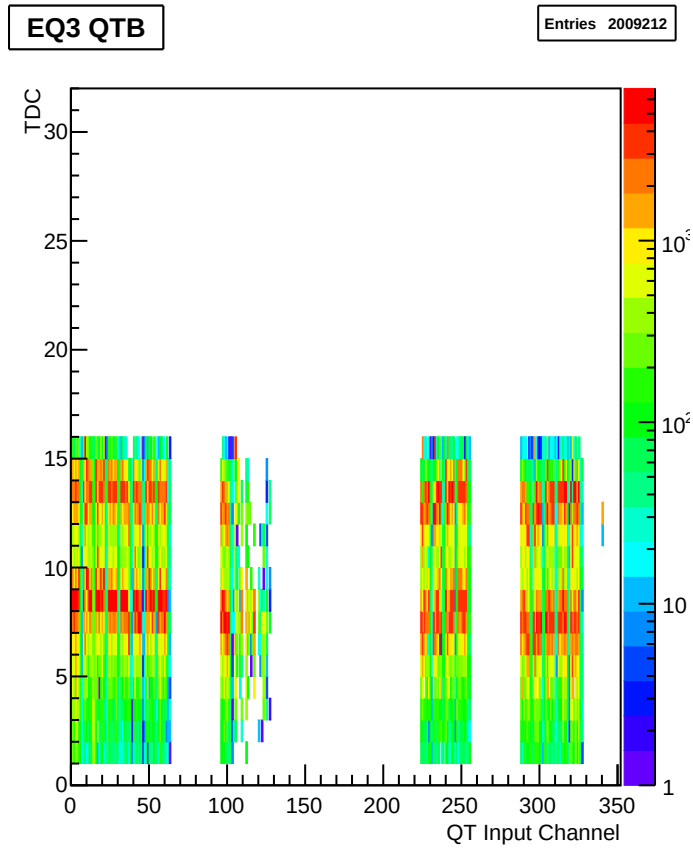

EQ2 QTB
Entries 7679232
ADC
QT Input Channel

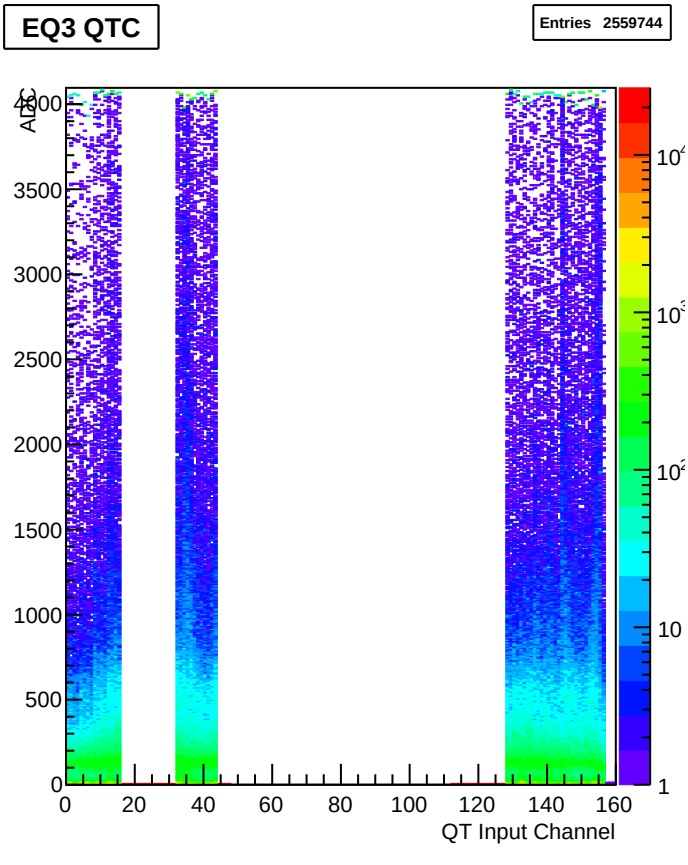

EQ2 QTB
Entries 2474344
TDC
QT Input Channel

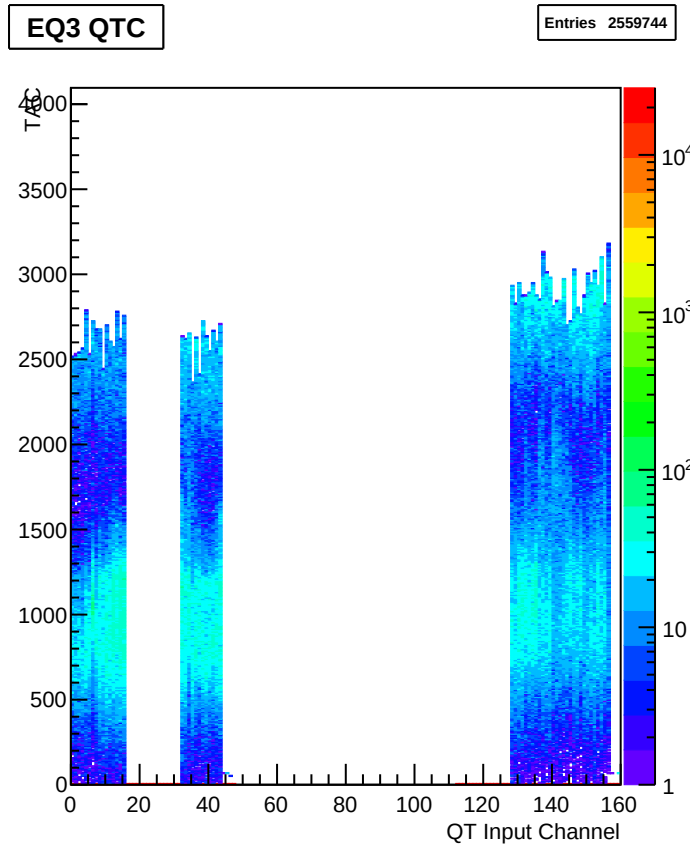

EQ2 QTC
Entries 2559744
ADC
QT Input Channel

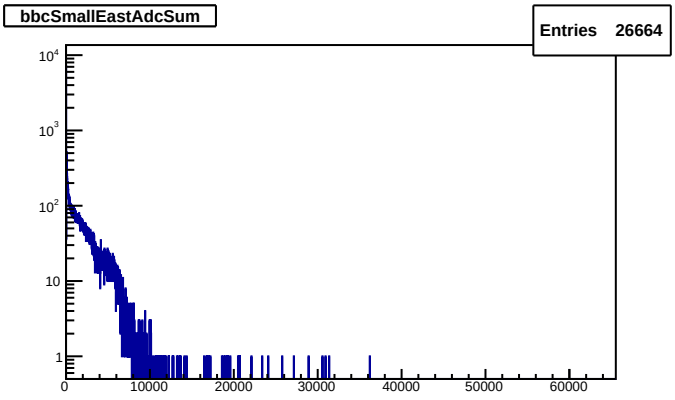

EQ2 QTC
Entries 2559744
TADC
QT Input Channel

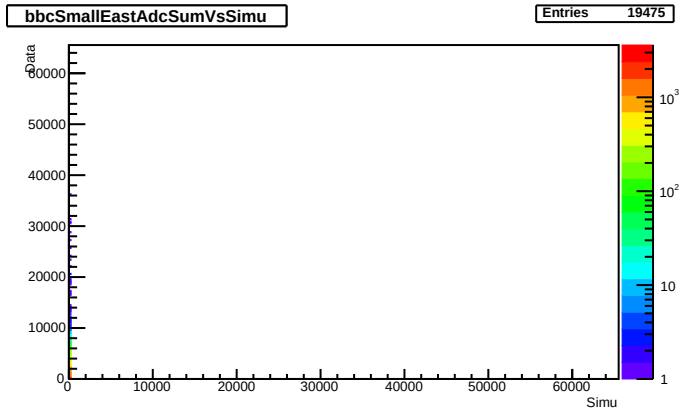

EQ3 QTB
Entries 6825984
ADC
QT Input Channel

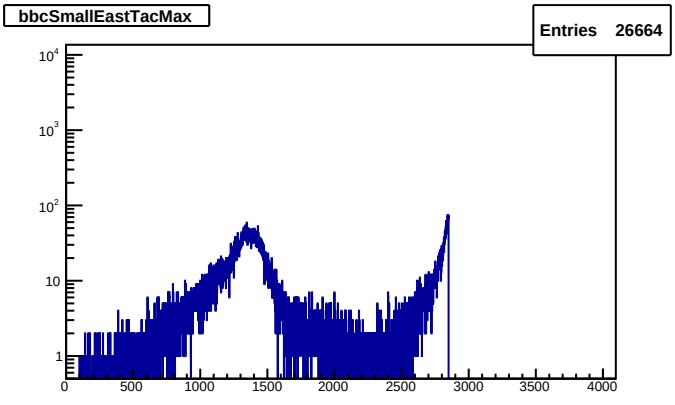

EQ3 QTB
Entries 2009212
TDC
QT Input Channel

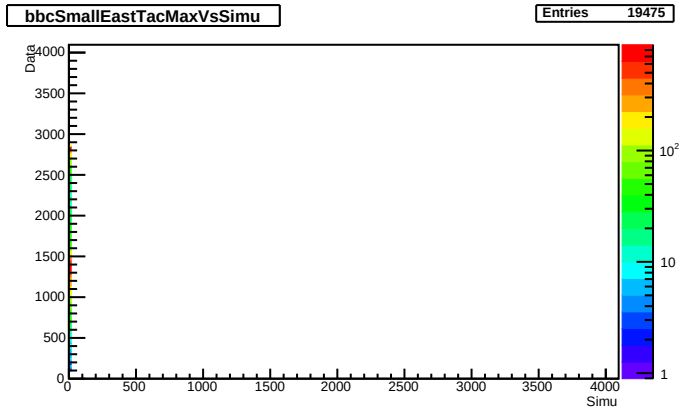

EQ3 QTC
Entries 2559744
ADC
QT Input Channel

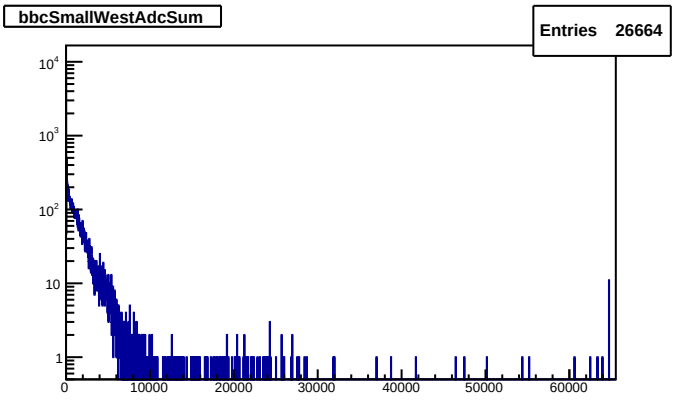

EQ3 QTC
Entries 2559744
TADC
QT Input Channel

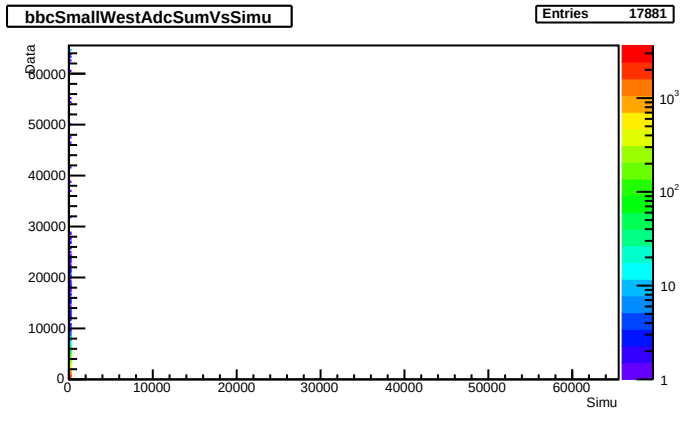

bbcSmallEastAdcSum
Entries 26664

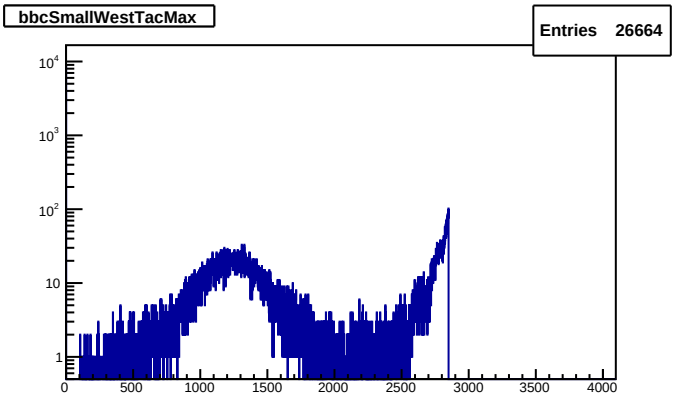

bbcSmallEastAdcSumVsSimu
Entries 19475
Data
Simu

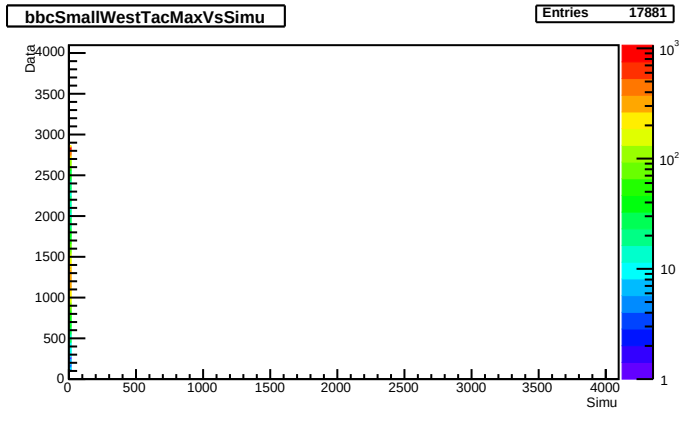

bbcSmallEastTacMax
Entries 26664

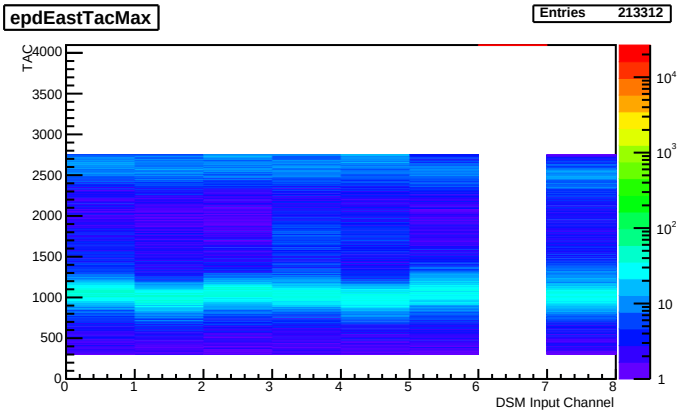

bbcSmallEastTacMaxVsSimu
Entries 19475
Data
Simu

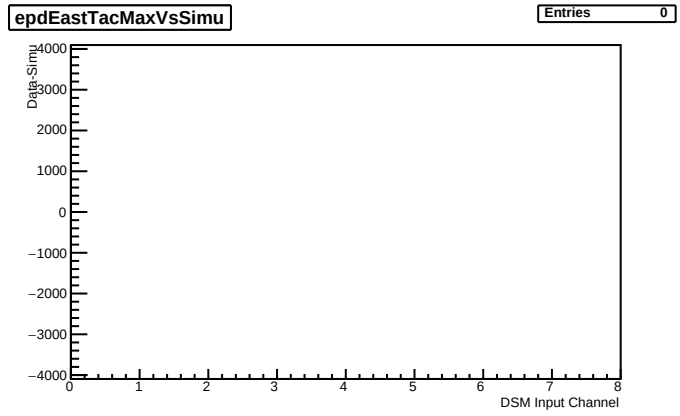

bbcSmallWestAdcSum
Entries 26664

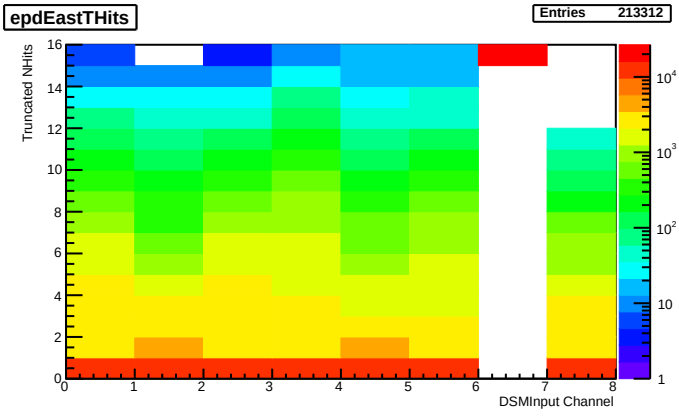

bbcSmallWestAdcSumVsSimu
Entries 17881
Data
Simu

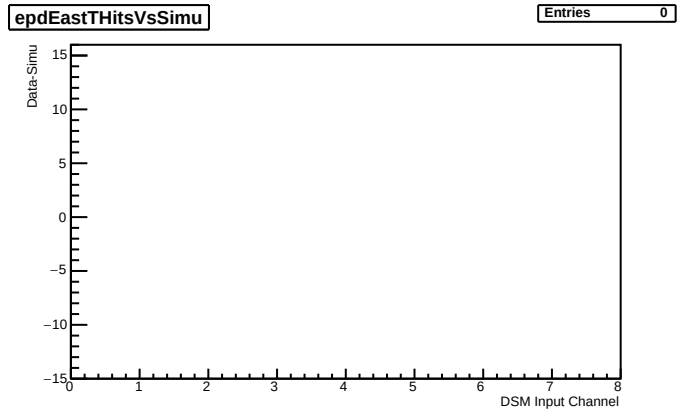

bbcSmallWestTacMax
Entries 26664

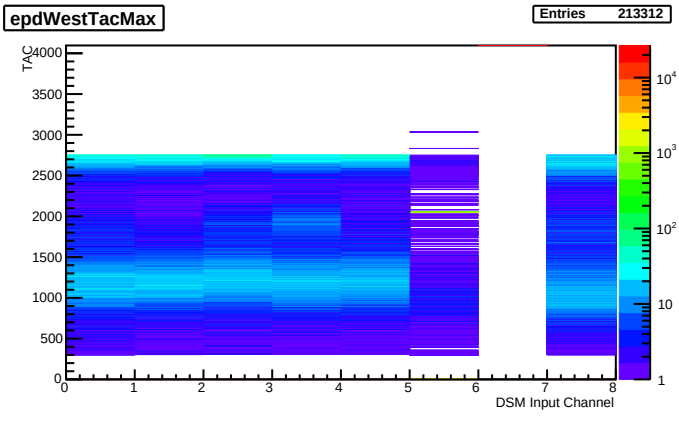

bbcSmallWestTacMaxVsSimu
Entries 17881
Data
Simu

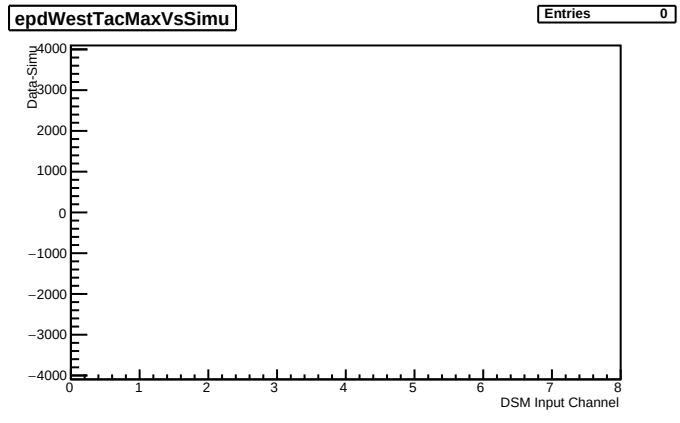

epdEastTacMax
Entries 213312
TAC
DSM Input Channel

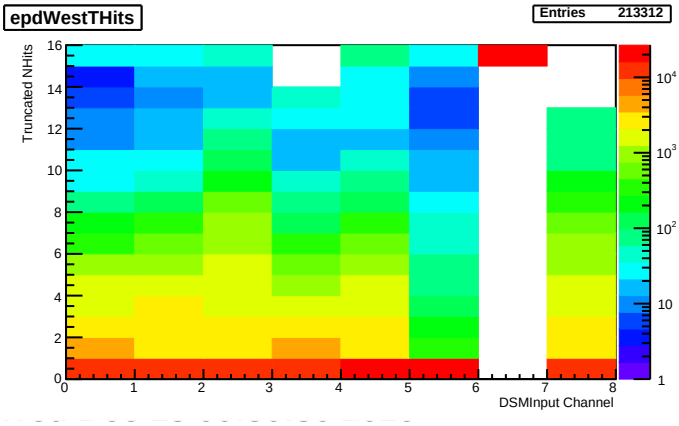

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

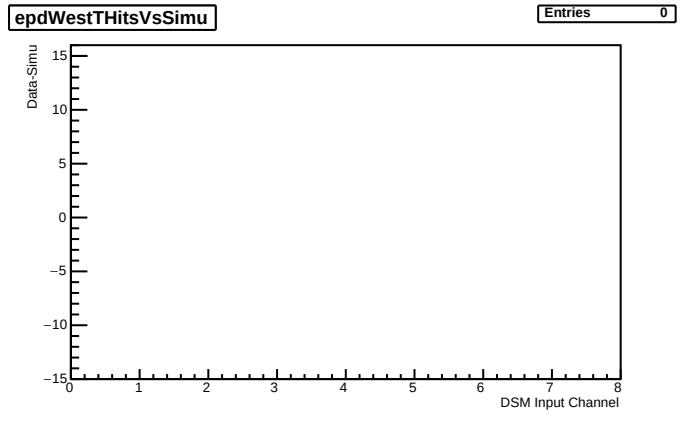

epdEastTHits
Entries 213312
Truncated NHits
DSMInput Channel

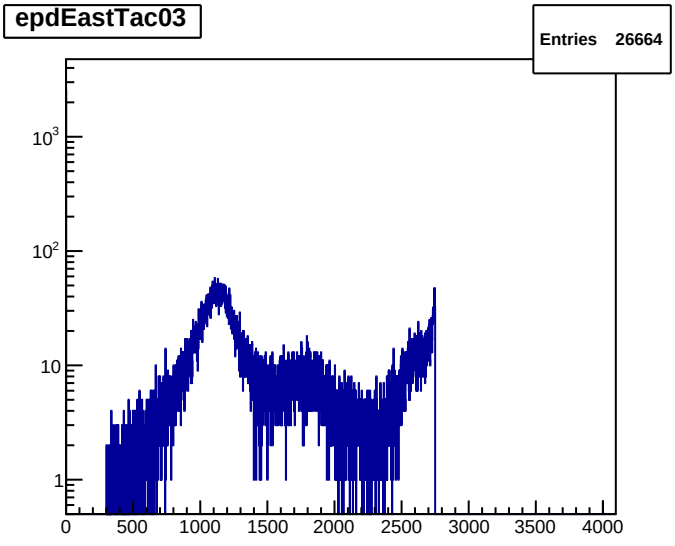

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

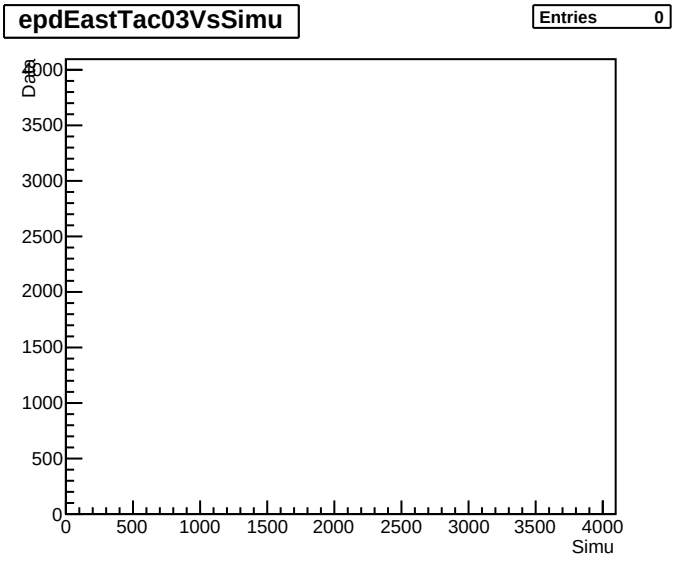

epdWestTacMax
Entries 213312
TAC
DSM Input Channel

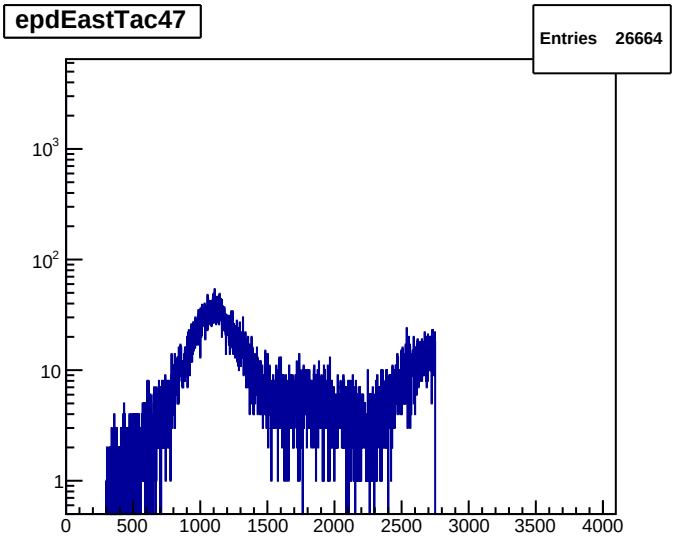

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

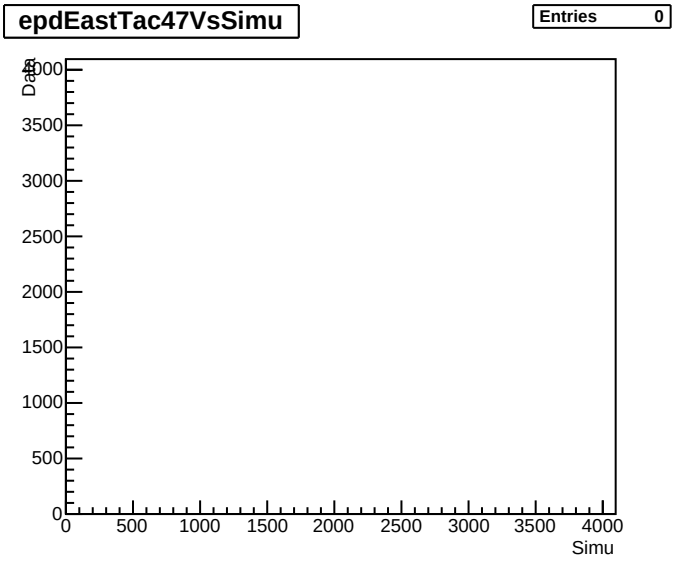

epdWestTHits
Entries 213312
Truncated NHits
DSMInput Channel

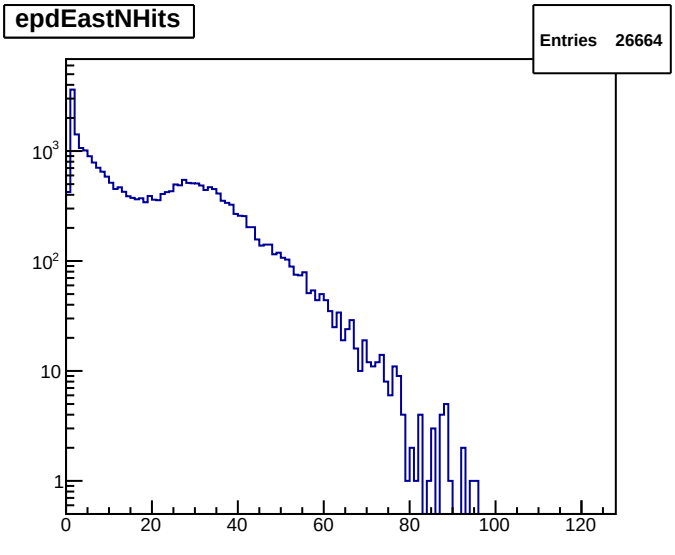

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

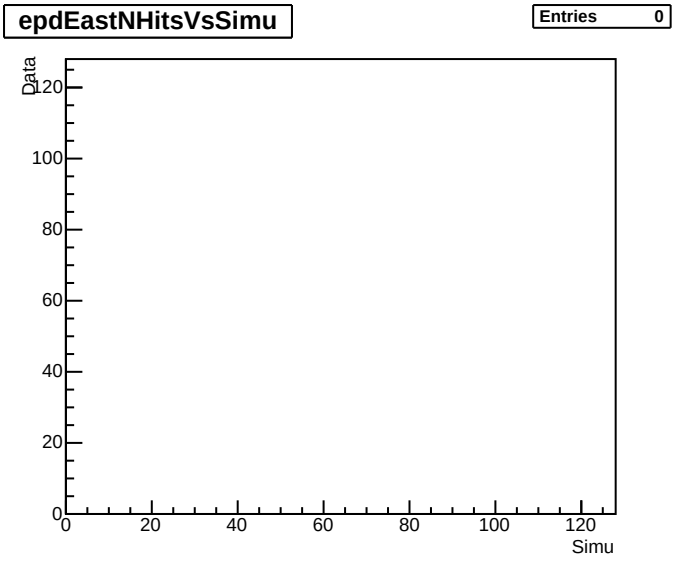

epdEastTac03
Entries 26664
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

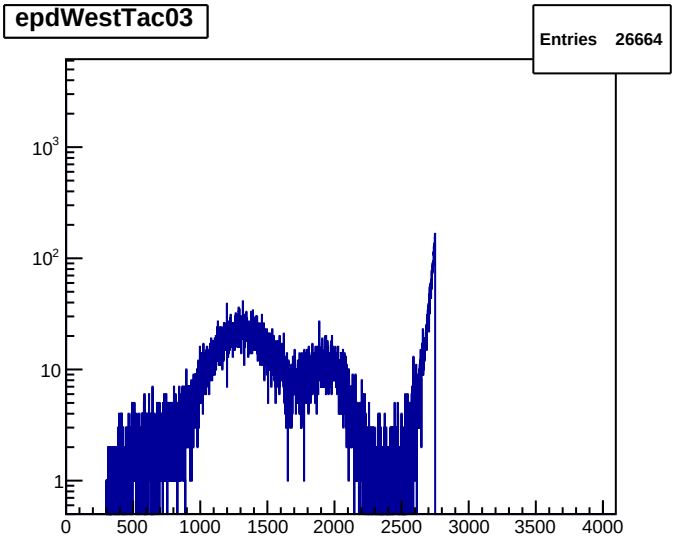

epdEastTac03VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

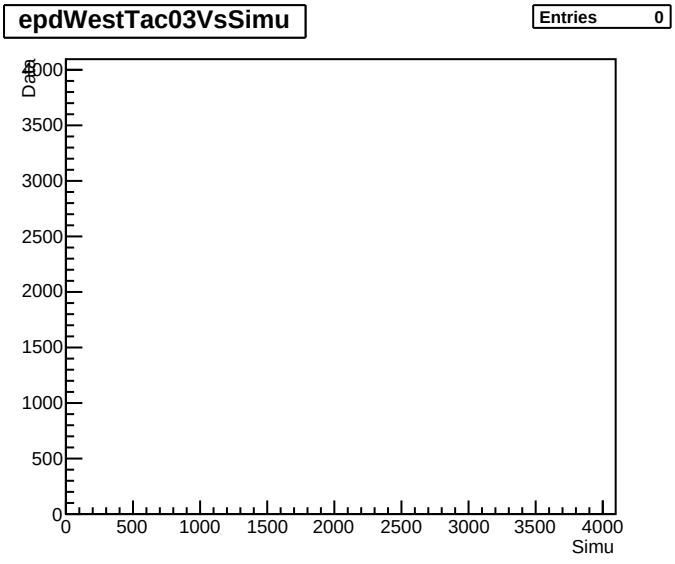

epdEastTac47
Entries 26664
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

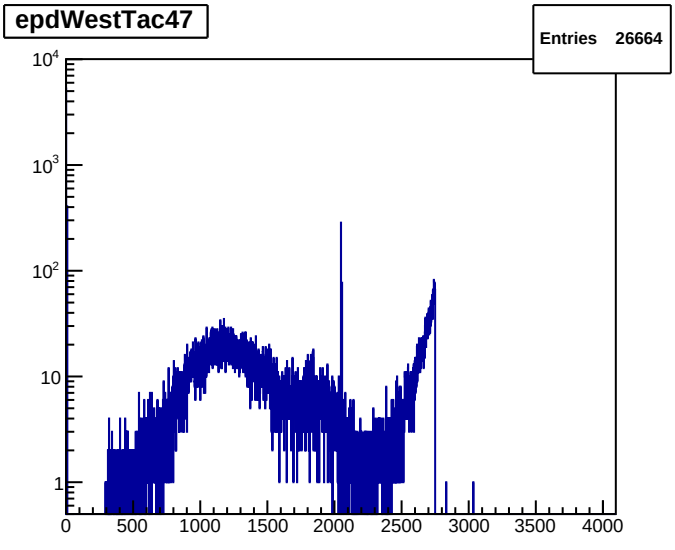

epdEastTac47VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

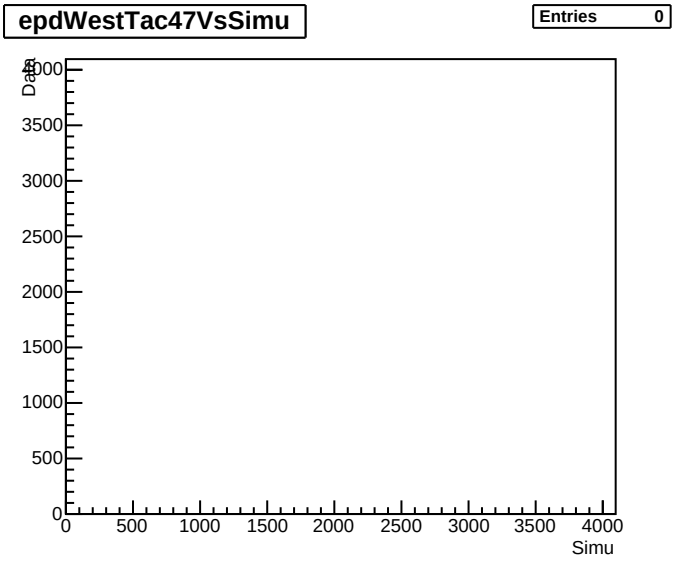

epdEastNHits
Entries 26664
10^3
10^2
10
1
0 20 40 60 80 100 120

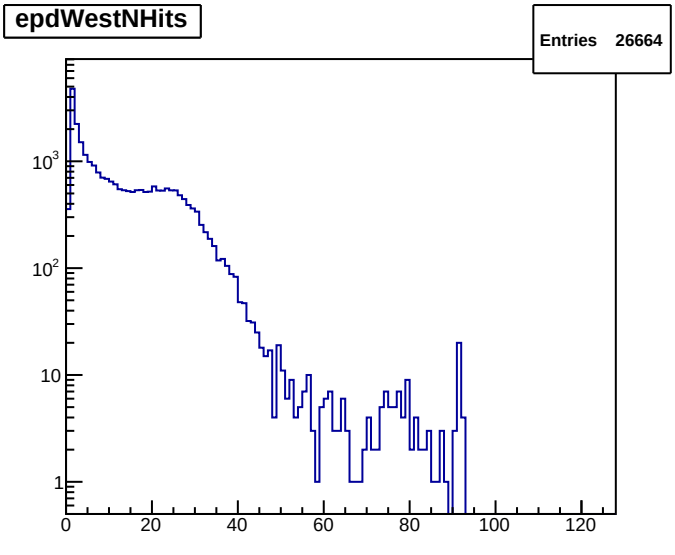

epdEastNHitsVsSimu
Entries 0
Data
120
100
80
60
40
20
0
0 20 40 60 80 100 120
Simu

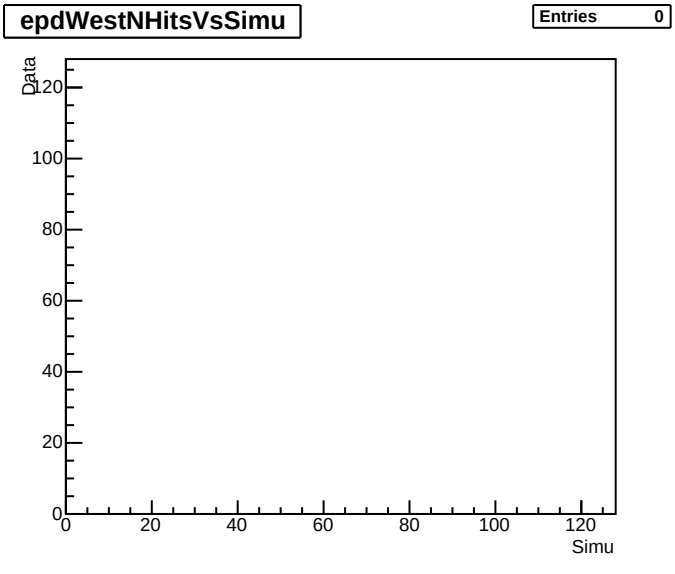

epdWestTac03
Entries 26664
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

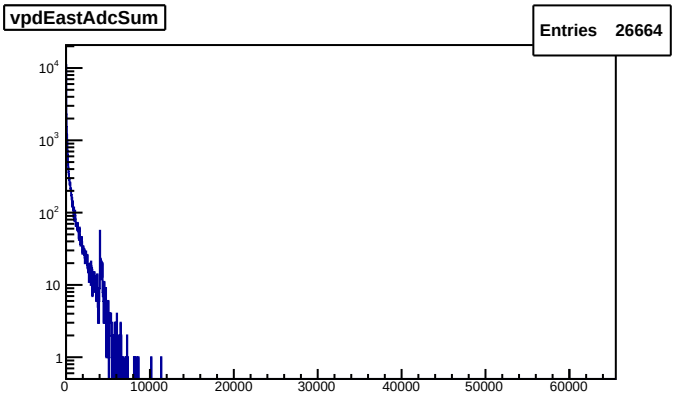

epdWestTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

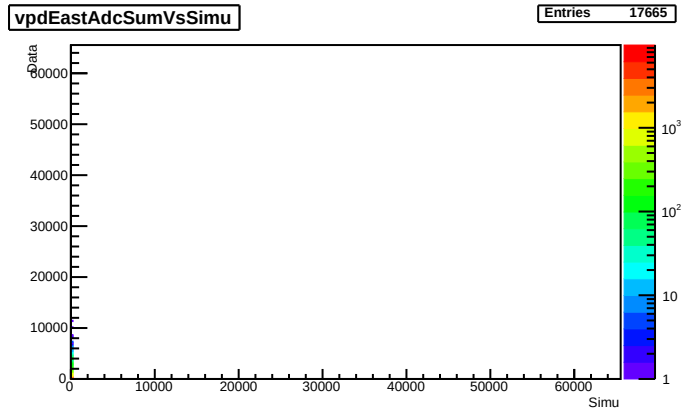

epdWestTac47
Entries 26664
10^4
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

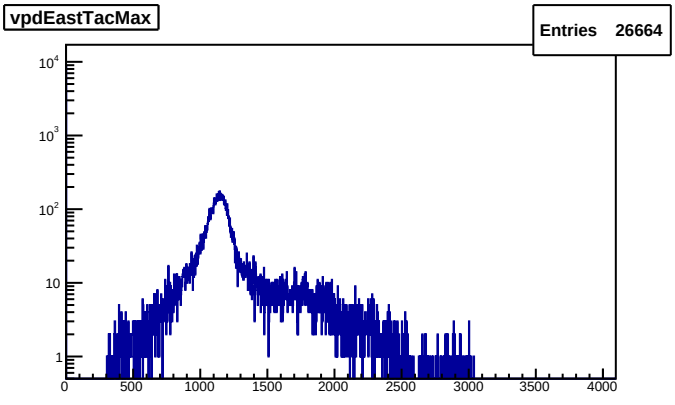

epdWestTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

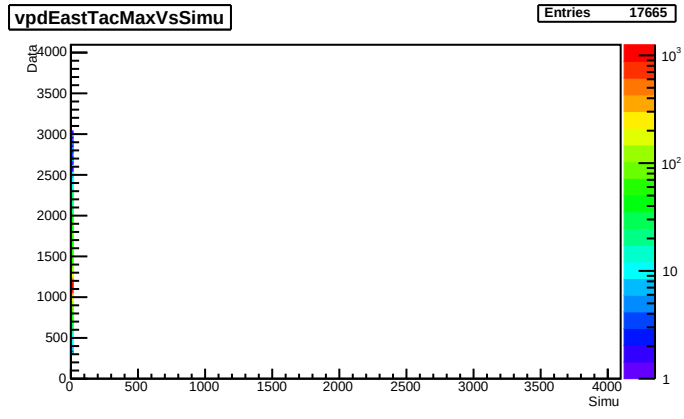

epdWestNHits
Entries 26664
10^3
10^2
10
1
0 20 40 60 80 100 120

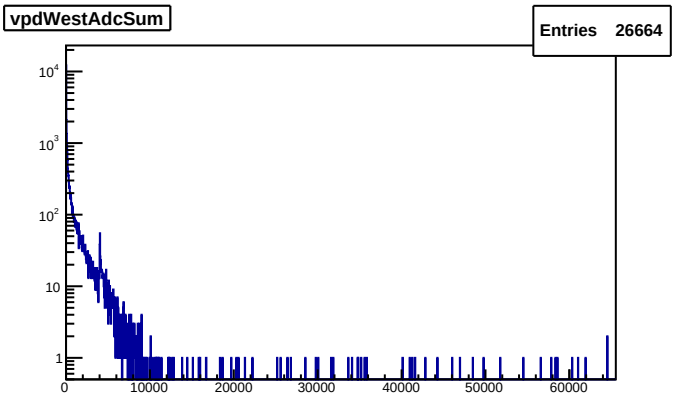

epdWestNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

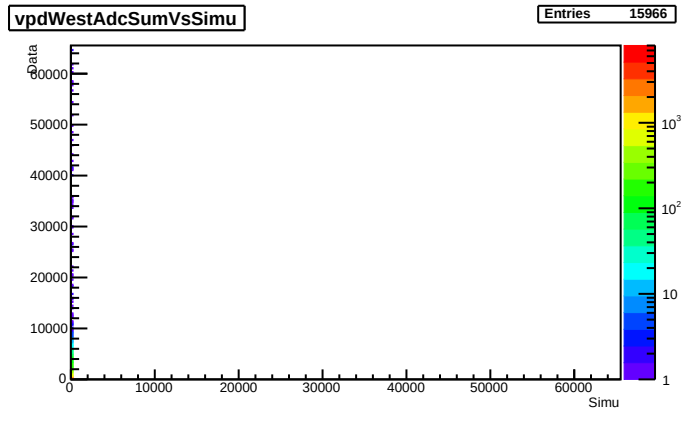

vpdEastAdcSum
Entries 26664

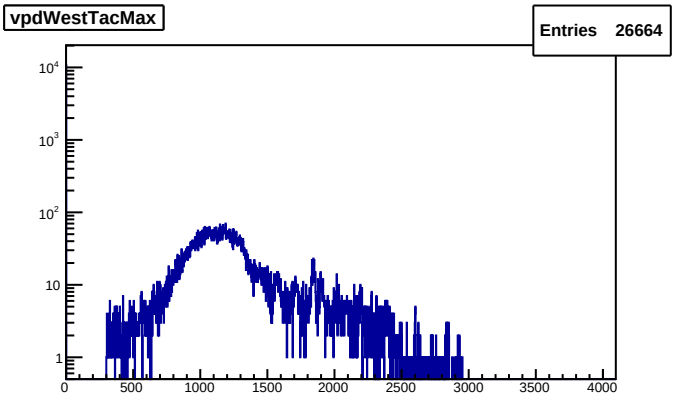

vpdEastAdcSumVsSimu
Entries 17665
Data
Simu

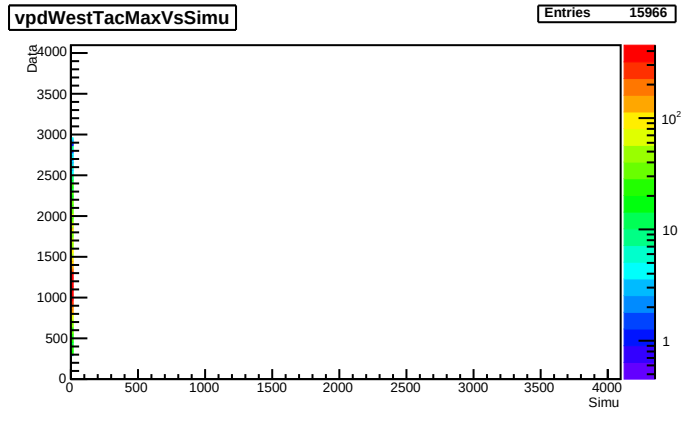

vpdEastTacMax
Entries 26664

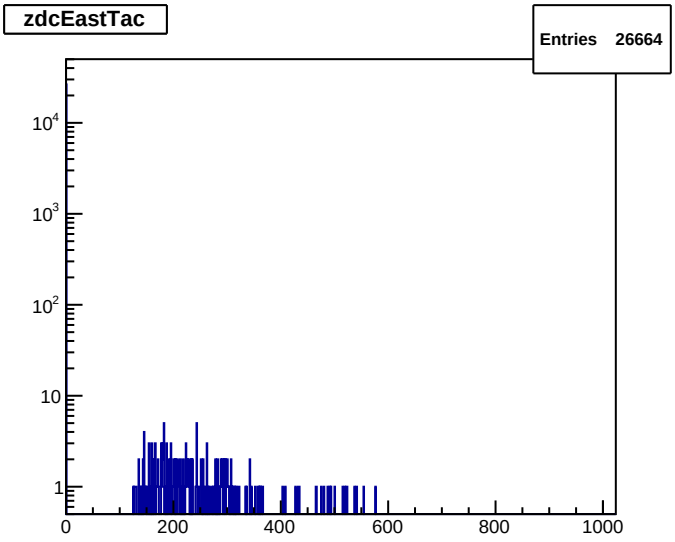

vpdEastTacMaxVsSimu
Entries 17665
Data
Simu

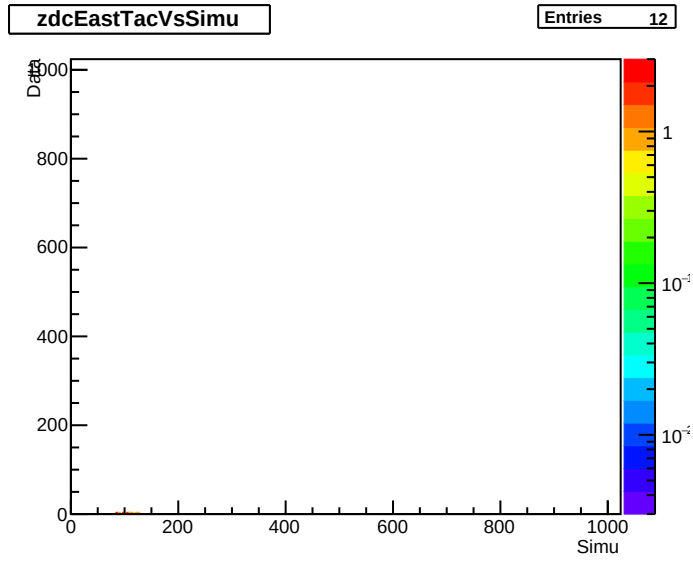

vpdWestAdcSum
Entries 26664

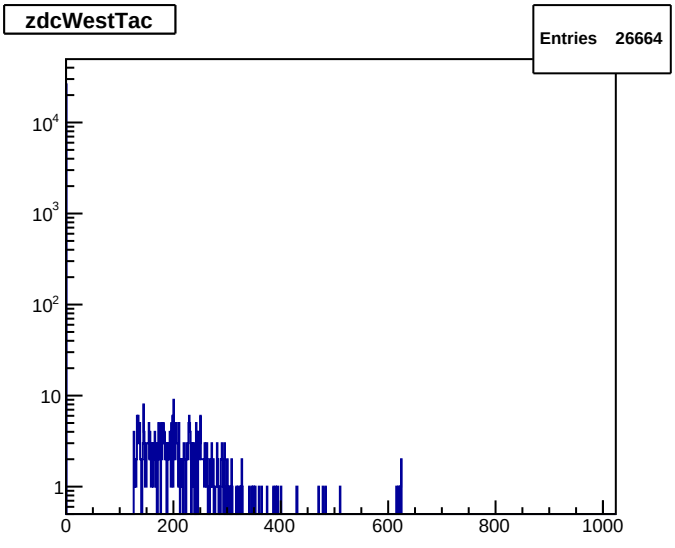

vpdWestAdcSumVsSimu
Entries 15966
Data
Simu

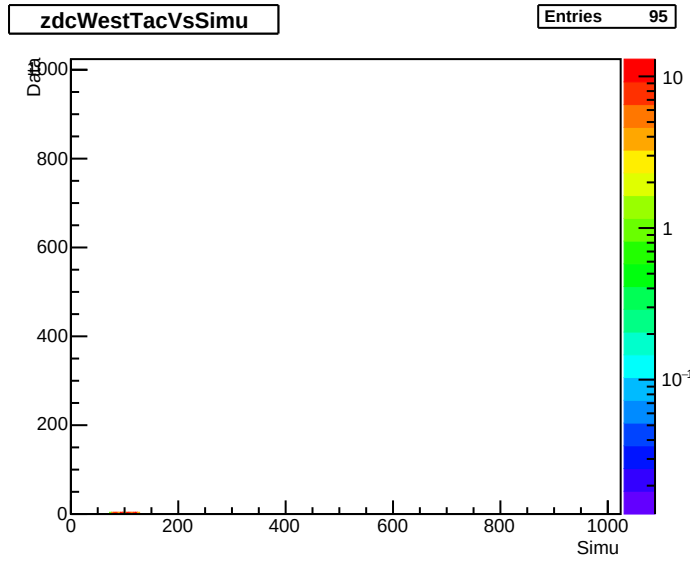

vpdWestTacMax
Entries 26664

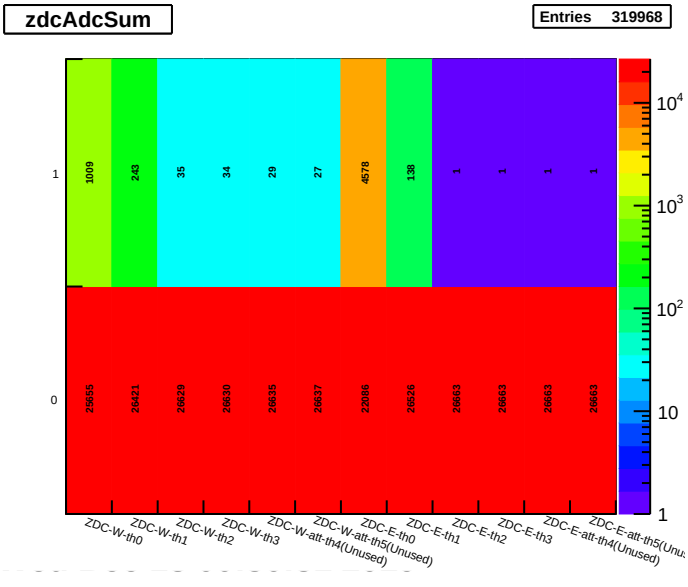

vpdWestTacMaxVsSimu
Entries 15966
Data
Simu

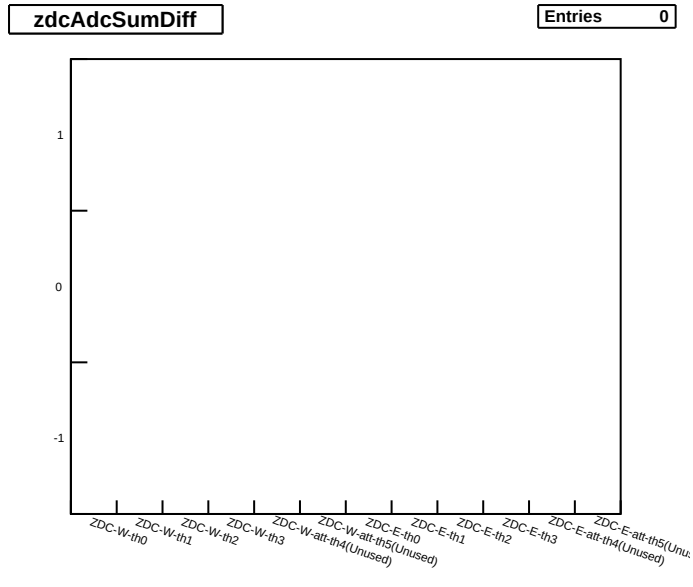

zdcEastTac
Entries 26664
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

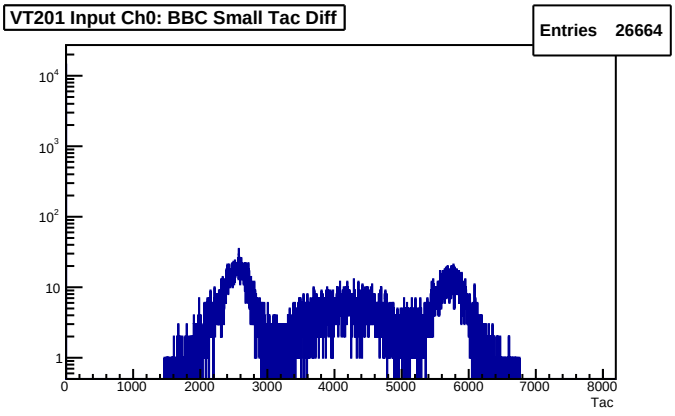

zdcEastTacVsSimu
Entries 12
Data
1000
800
600
400
200
0
Simu
1
10^{-1}
10^{-2}

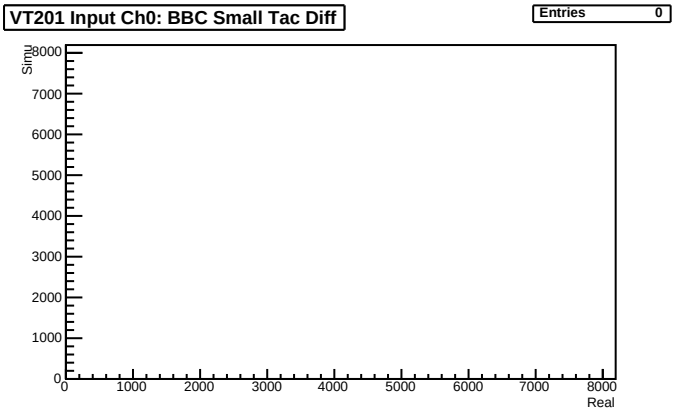

zdcWestTac
Entries 26664
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

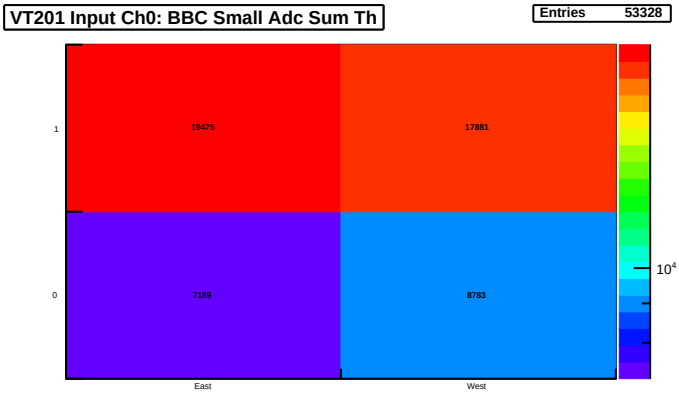

zdcWestTacVsSimu
Entries 95
Data
1000
800
600
400
200
0
Simu
10
1
10^{-1}

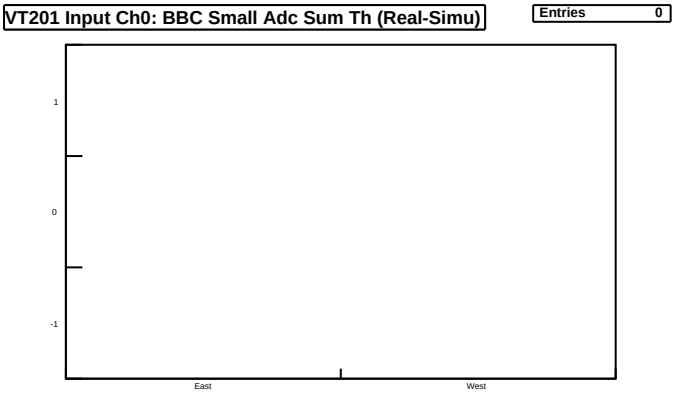

zdcAdcSum
Entries 319968
1
0
1009
243
35
34
29
27
4578
138
1
1
1
1
25555
26421
26629
26630
26635
26637
22086
26526
26663
26663
26663
26663
10^4
10^3
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

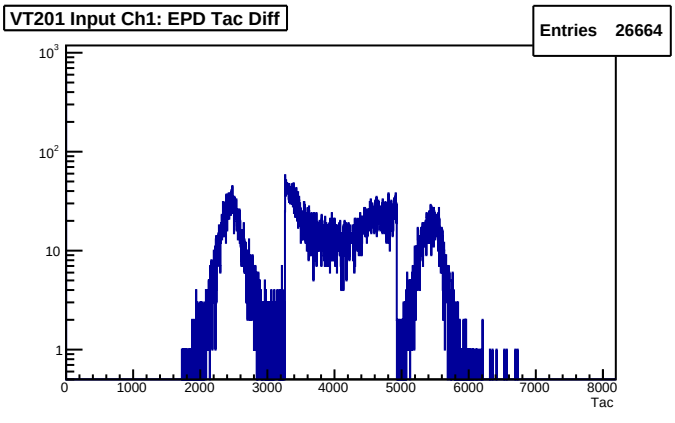

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

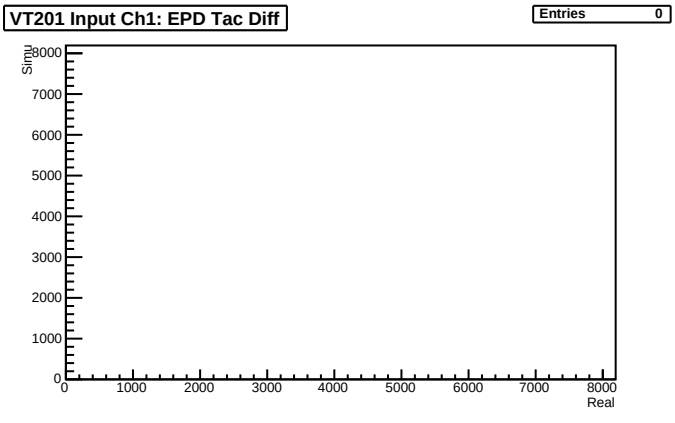

VT201 Input Ch0: BBC Small Tac Diff
Entries 26664
Tac

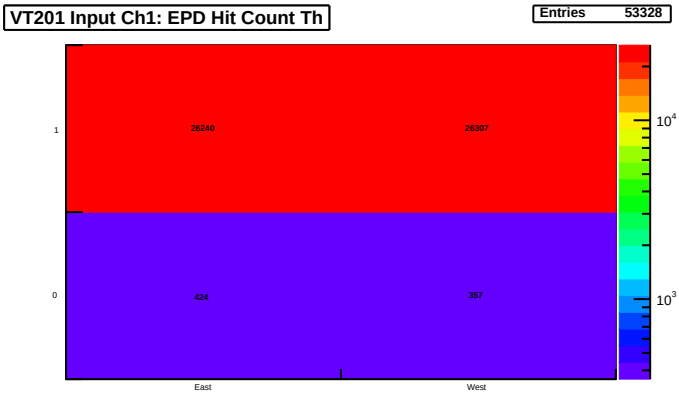

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

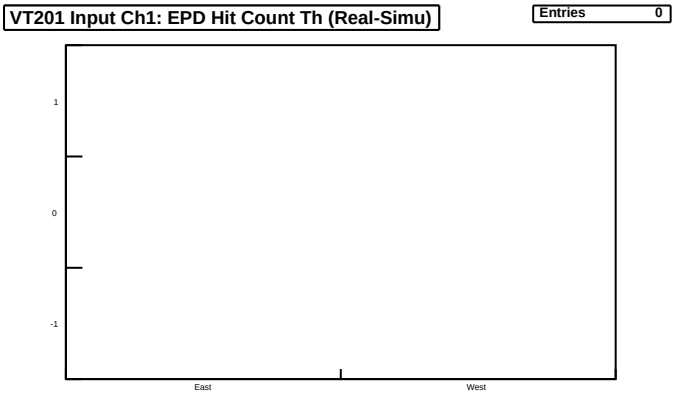

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 53328
19475
17881
7189
8783
East
West

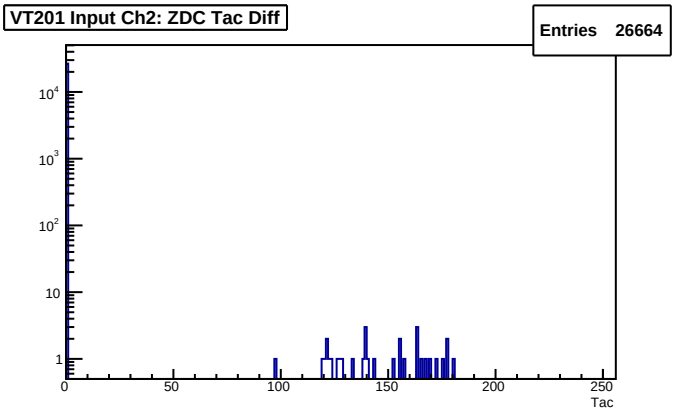

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

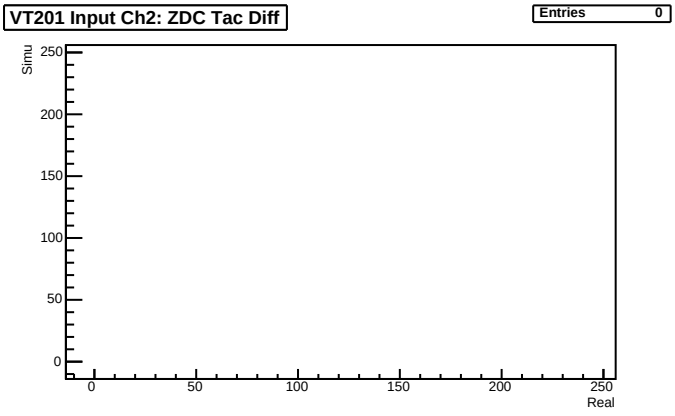

VT201 Input Ch1: EPD Tac Diff
Entries 26664
Tac

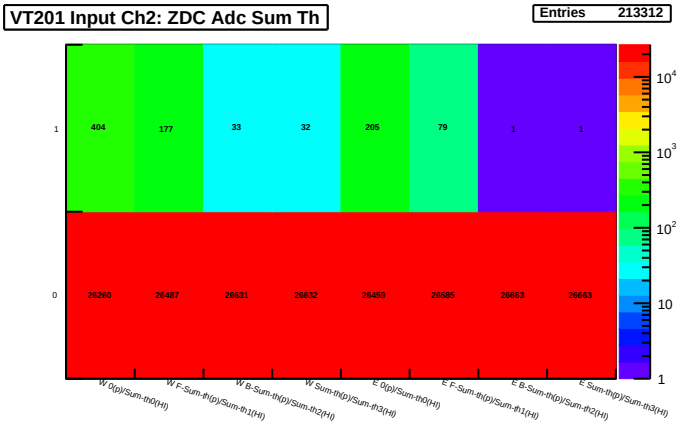

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

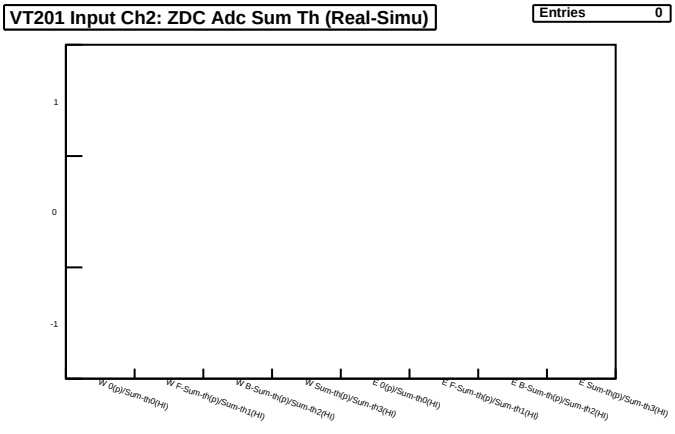

VT201 Input Ch1: EPD Hit Count Th
Entries 53328
26240
26307
424
357
East
West

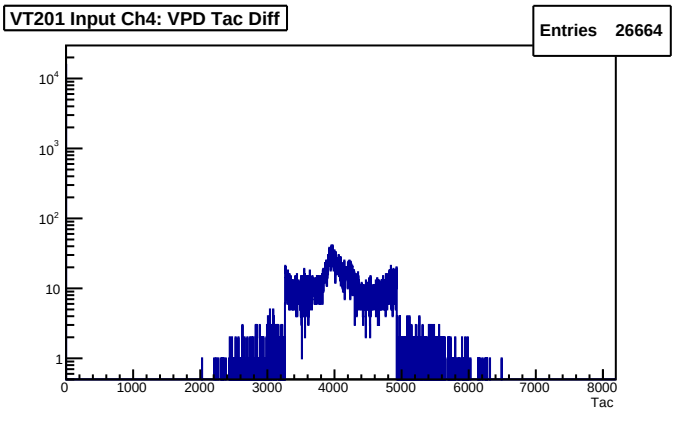

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

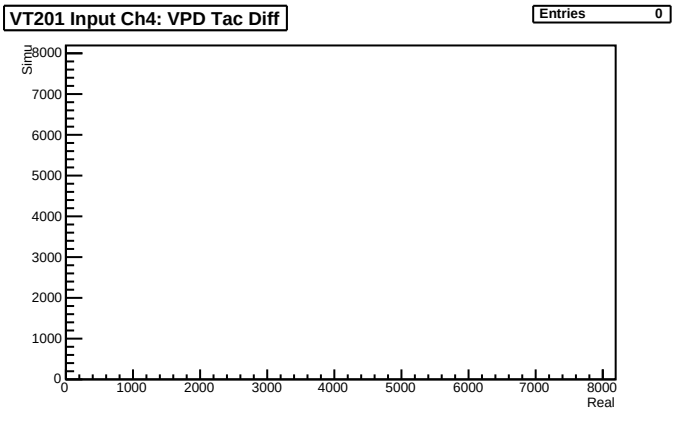

VT201 Input Ch2: ZDC Tac Diff
Entries 26664
Tac

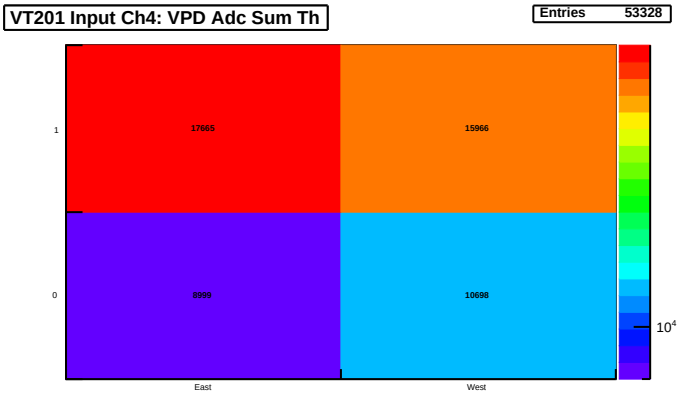

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

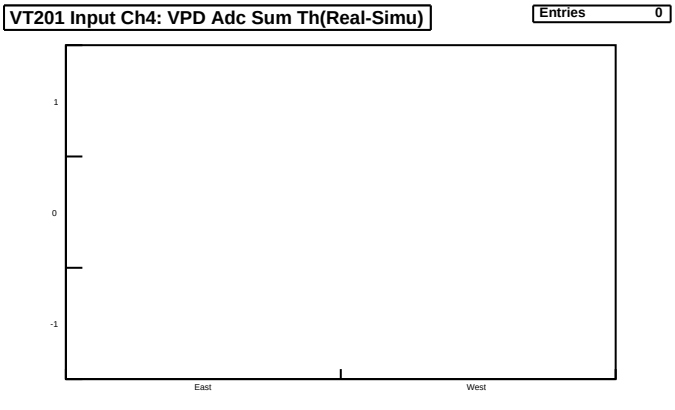

VT201 Input Ch2: ZDC Adc Sum Th
Entries 213312
404
177
33
32
205
79
1
1
26260
26487
26631
26632
26459
26585
26663
26663
W 0(p)/Sum-th0(Hi)
W F-Sum-th(p)/Sum-th1(Hi)
W B-Sum-th(p)/Sum-th2(Hi)
W Sum-th(p)/Sum-th3(Hi)
E 0(p)/Sum-th0(Hi)
E F-Sum-th(p)/Sum-th1(Hi)
E B-Sum-th(p)/Sum-th2(Hi)
E Sum-th(p)/Sum-th3(Hi)

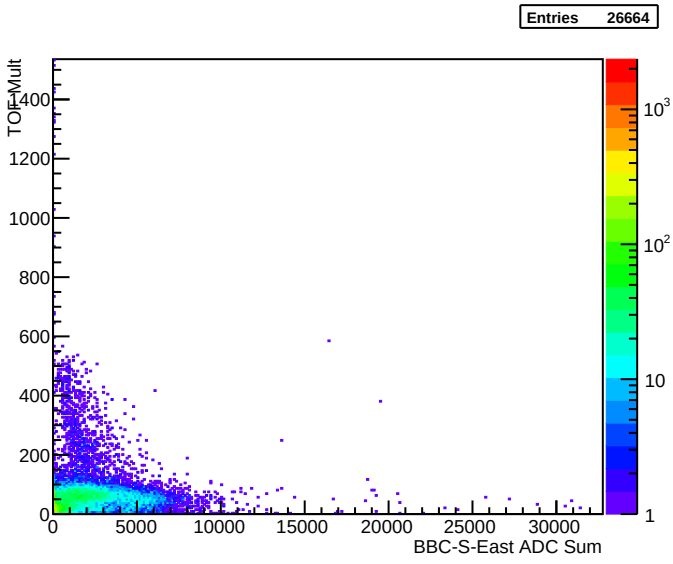

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hi)
W F-Sum-th(p)/Sum-th1(Hi)
W B-Sum-th(p)/Sum-th2(Hi)
W Sum-th(p)/Sum-th3(Hi)
E 0(p)/Sum-th0(Hi)
E F-Sum-th(p)/Sum-th1(Hi)
E B-Sum-th(p)/Sum-th2(Hi)
E Sum-th(p)/Sum-th3(Hi)

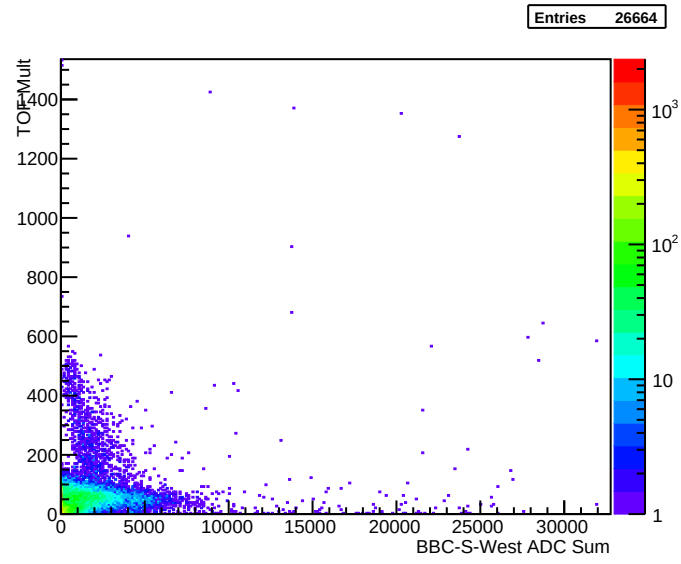

VT201 Input Ch4: VPD Tac Diff
Entries 26664
Tac

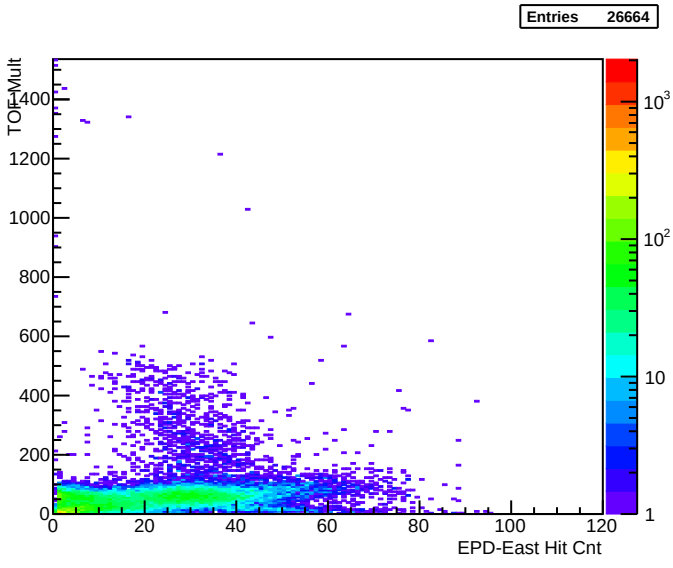

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

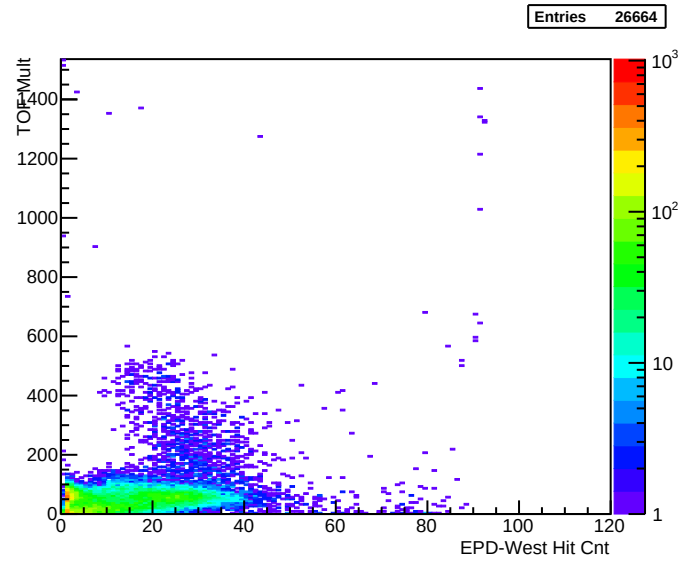

VT201 Input Ch4: VPD Adc Sum Th
Entries 53328
17665
15966
8999
10698
East
West

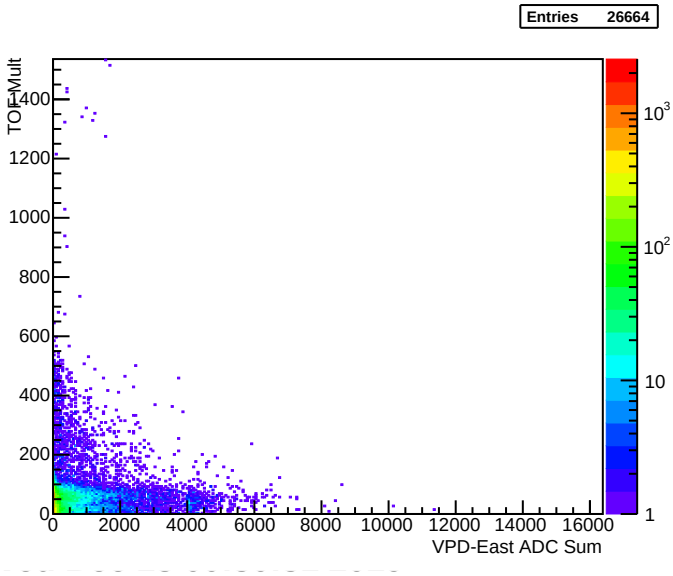

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

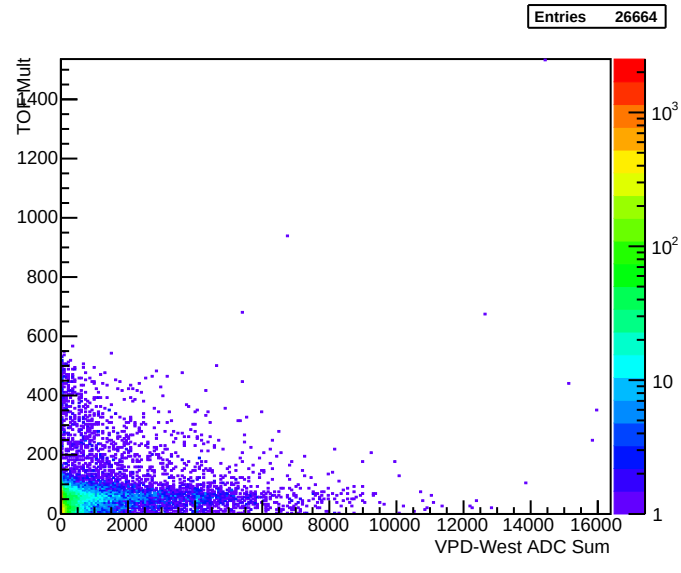

Entries 26664
TOF-Mult
BBC-S-East ADC Sum

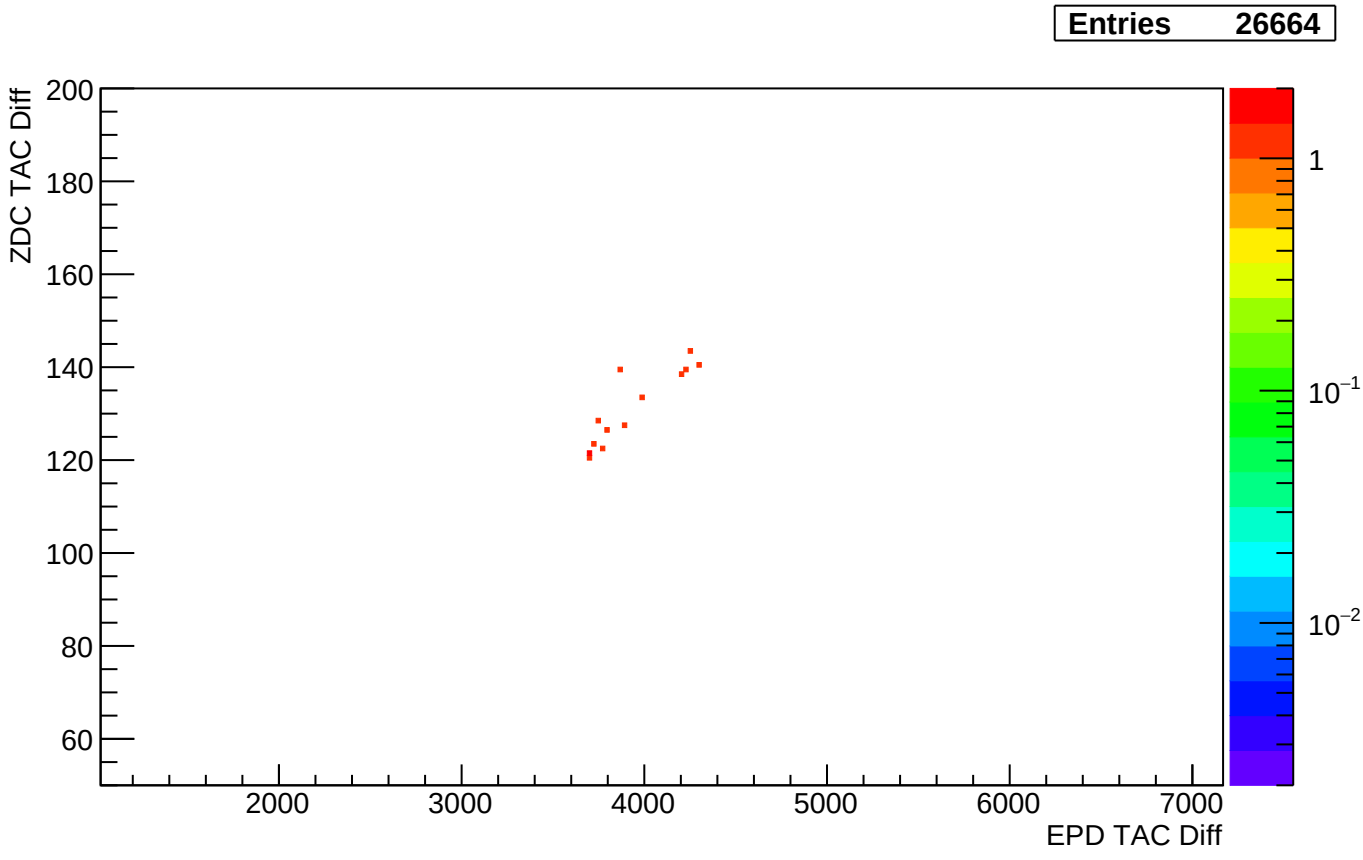

Entries 26664
TOF-Mult
BBC-S-West ADC Sum

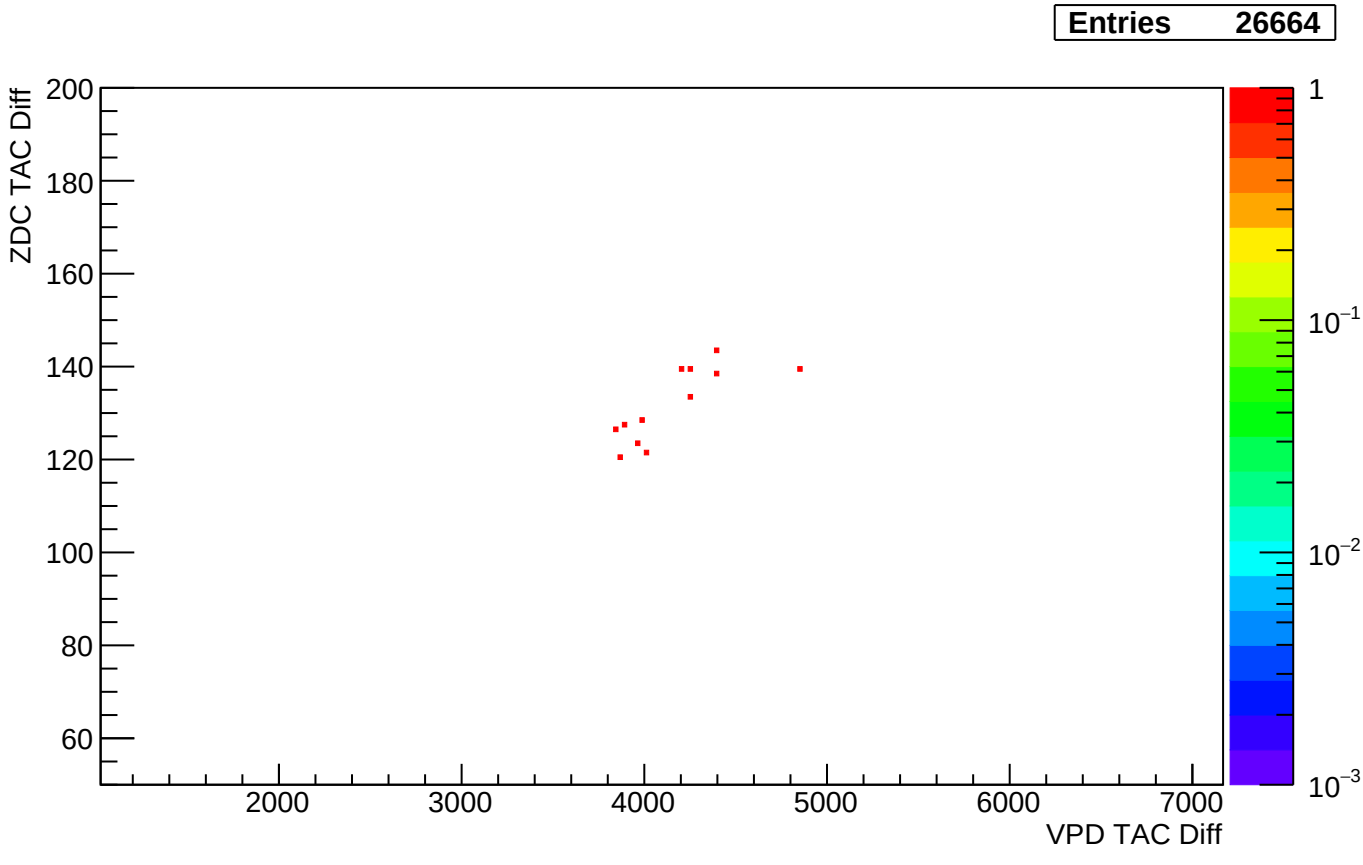

Entries 26664
TOF-Mult
EPD-East Hit Cnt

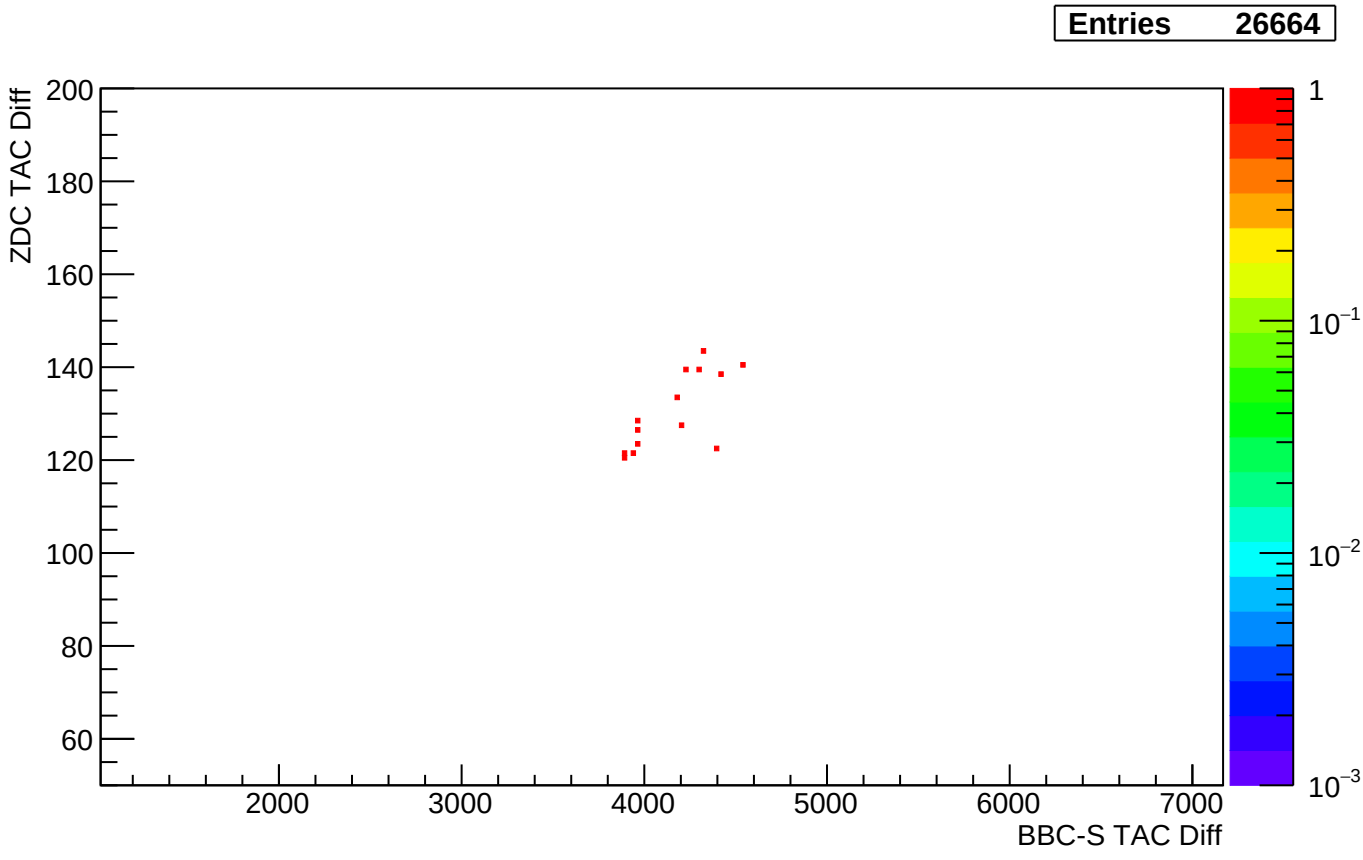

Entries 26664
TOF-Mult
EPD-West Hit Cnt

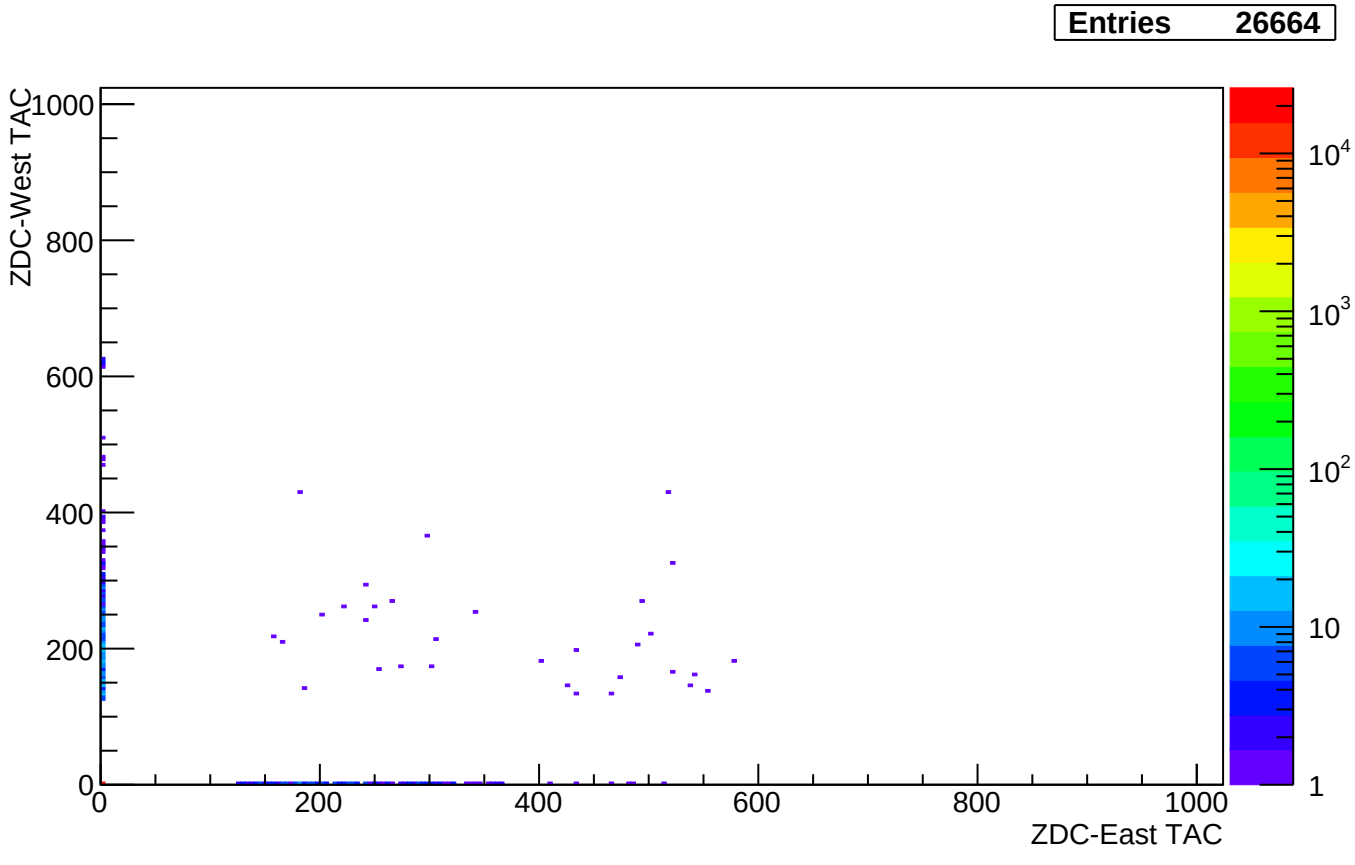

Entries 26664
TOF-Mult
VPD-East ADC Sum

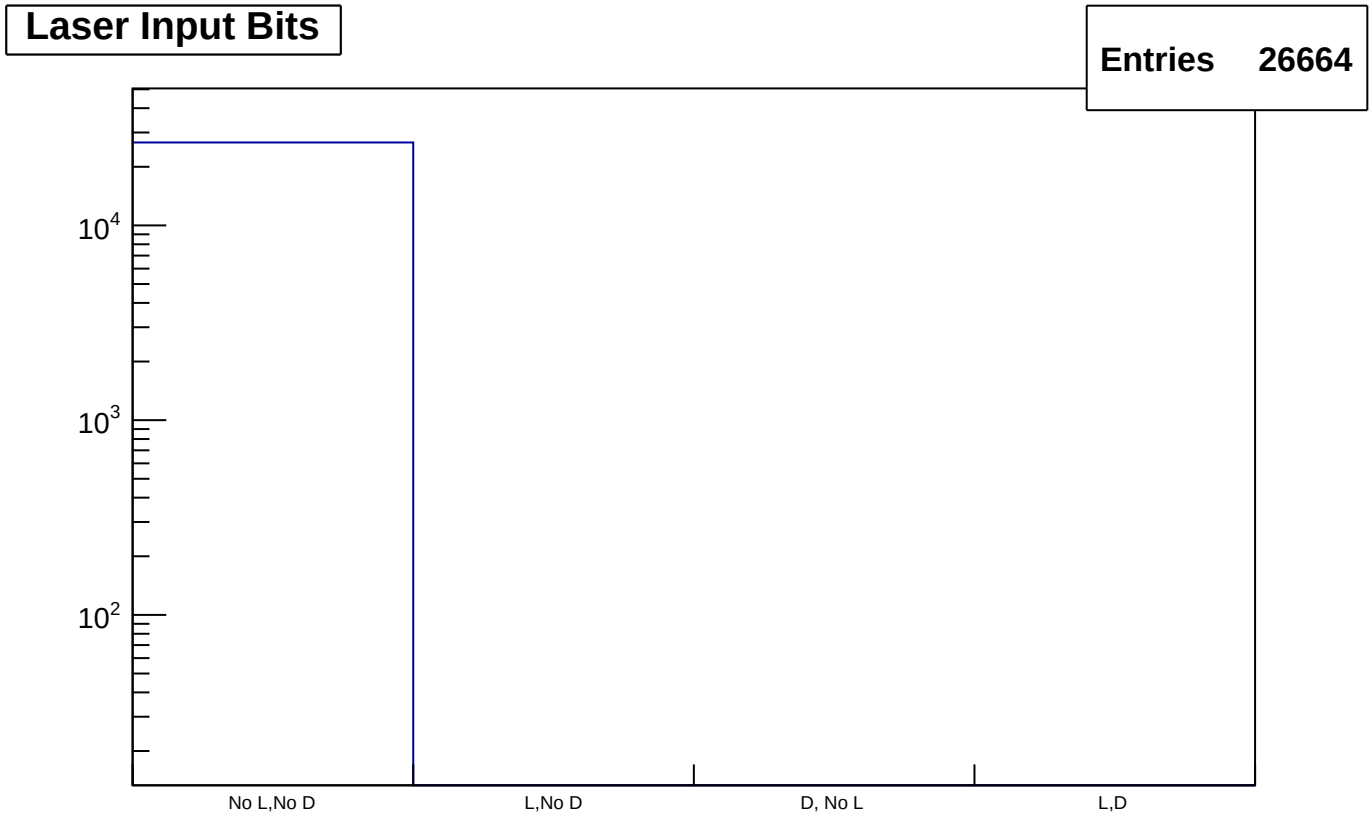

Entries 26664
TOF-Mult
VPD-West ADC Sum

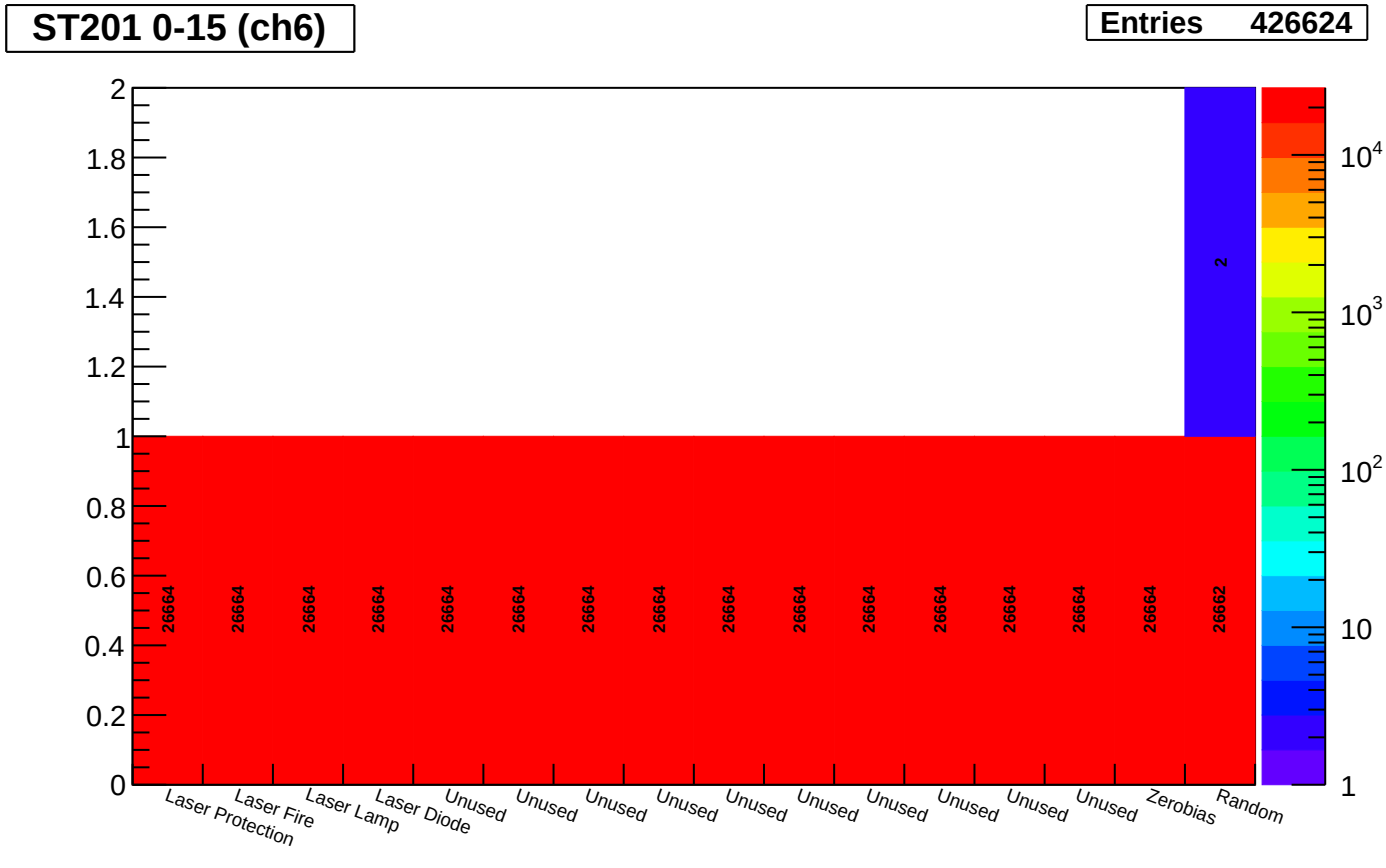

Entries 26664
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

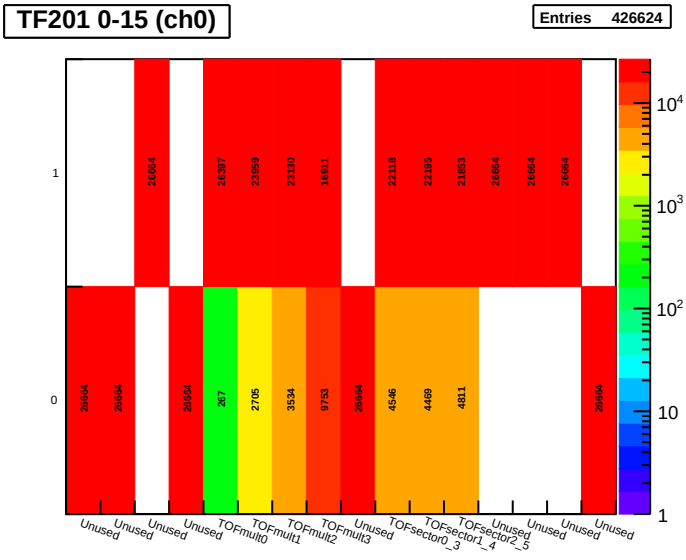

Entries 26664
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

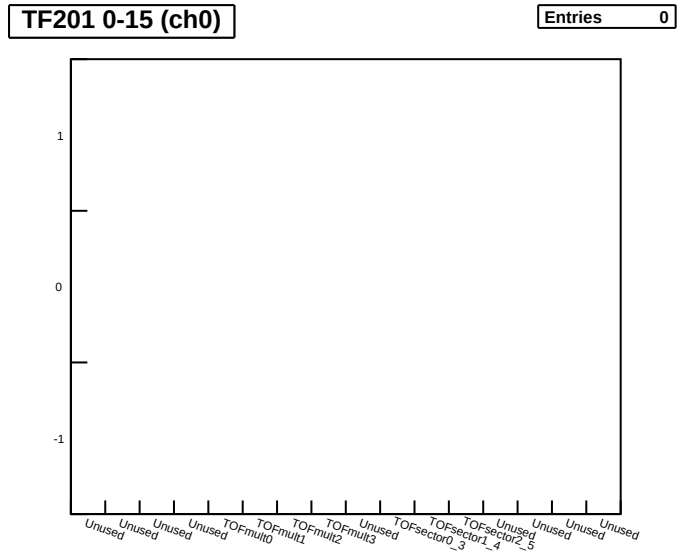

Entries 26664
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

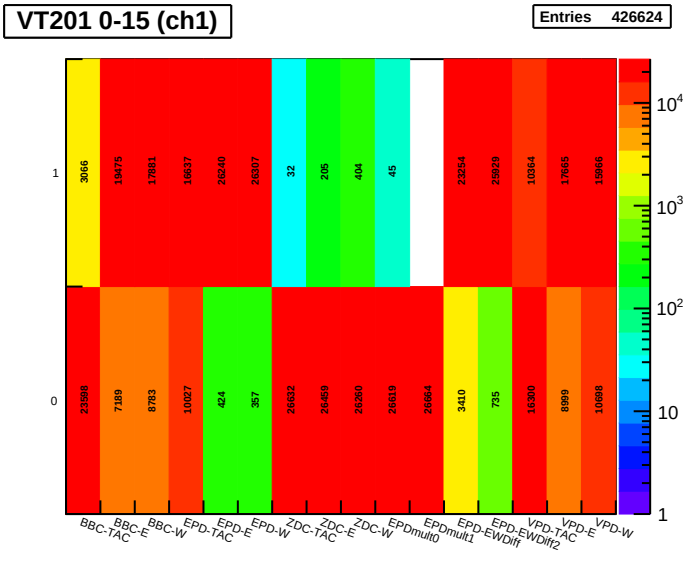

Entries 26664
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

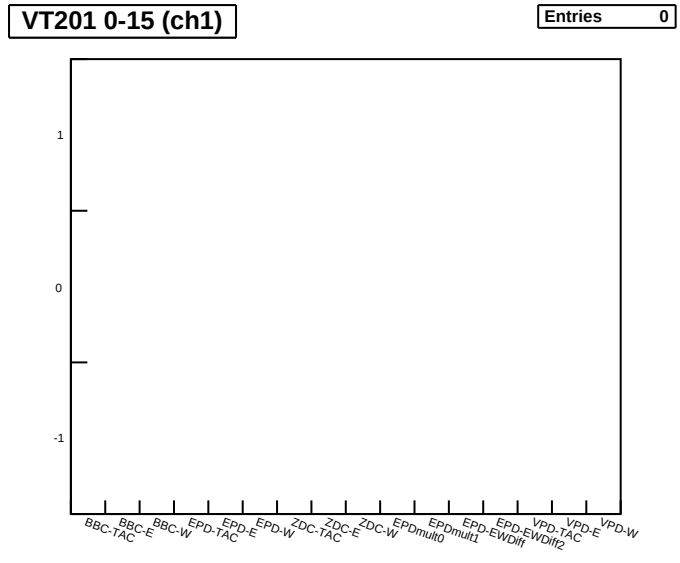

Laser Input Bits
Entries 26664
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

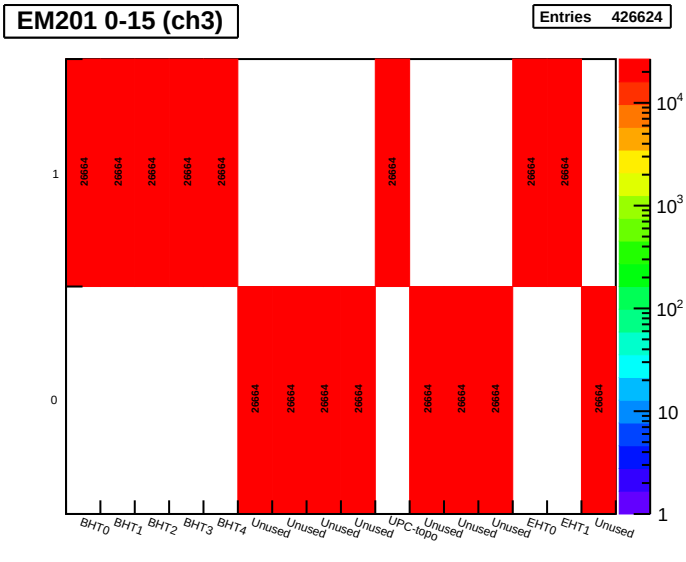

ST201 0-15 (ch6)
Entries 426624
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
26664
26662
2
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

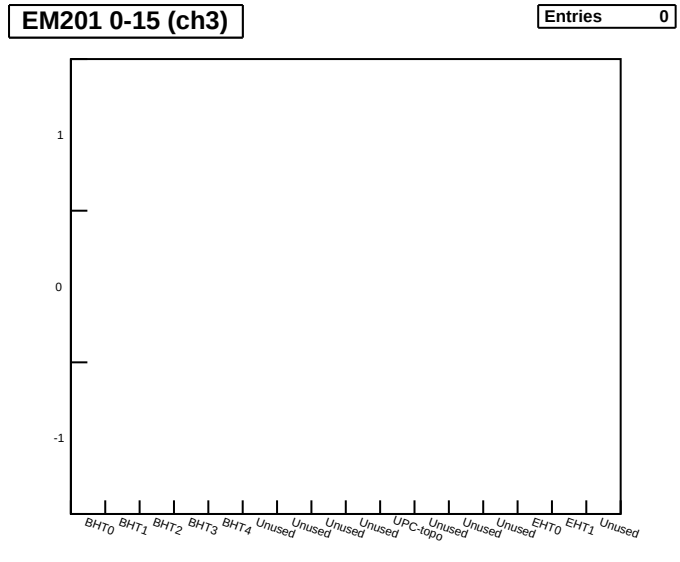

TF201 0-15 (ch0)
Entries 426624
1
0
26664 26397 23959 23130 16911 22118 22195 21853 26664 26664 26664
26664 26664 26664 267 2705 3534 9753 26664 4546 4469 4811 26664
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
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 426624
1
0
3066 19475 17681 16637 26240 26307 32 205 404 45 22254 25929 10364 17665 15966
23598 7189 8783 10027 424 357 26632 26459 26260 26619 26664 3410 735 16300 8999 10698
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 426624
1
0
26664 26664 26664 26664 26664 26664 26664 26664
26664 26664 26664 26664 26664 26664 26664 26664
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
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