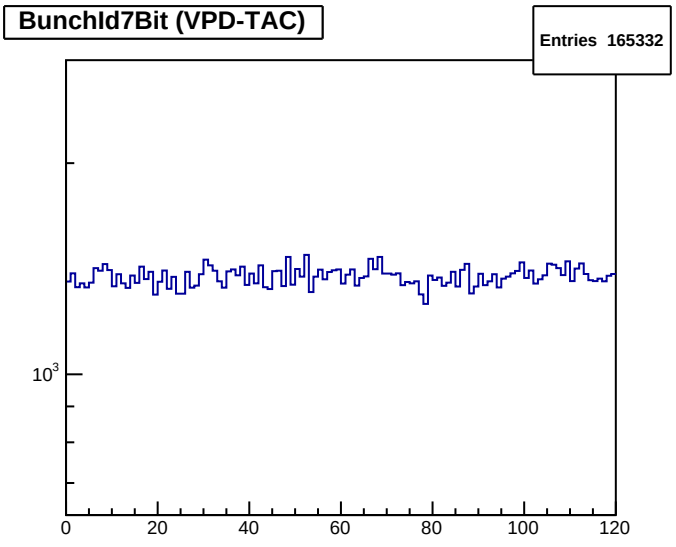
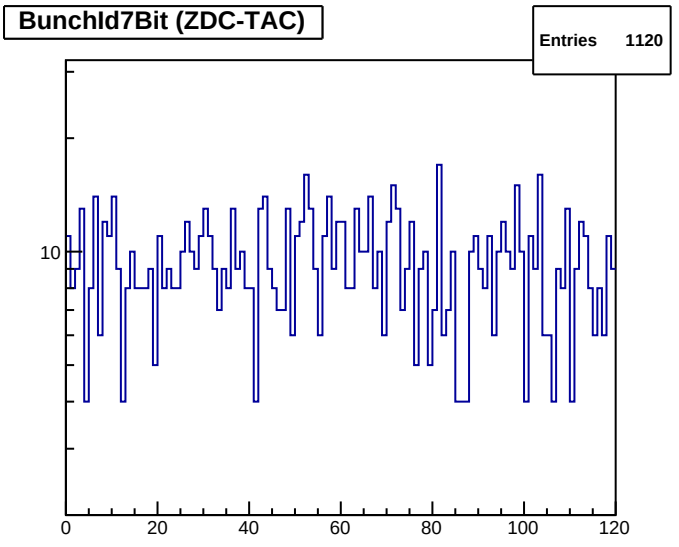
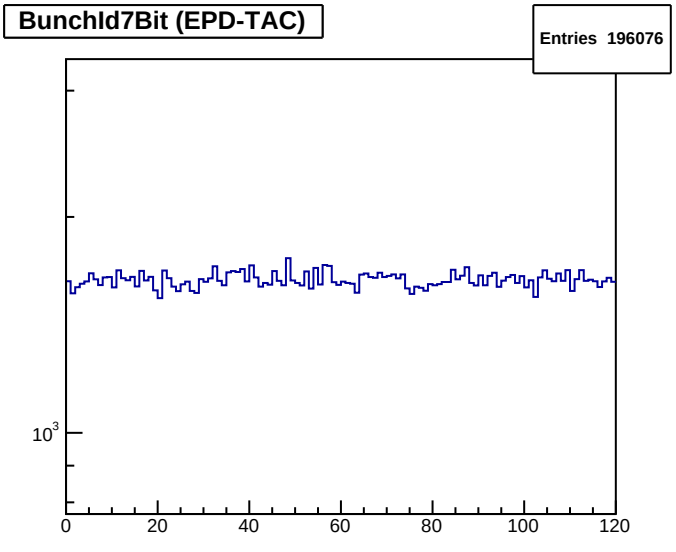
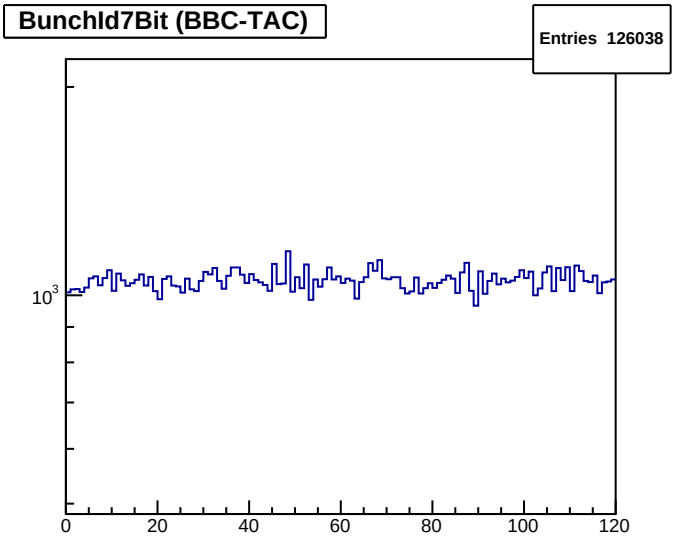
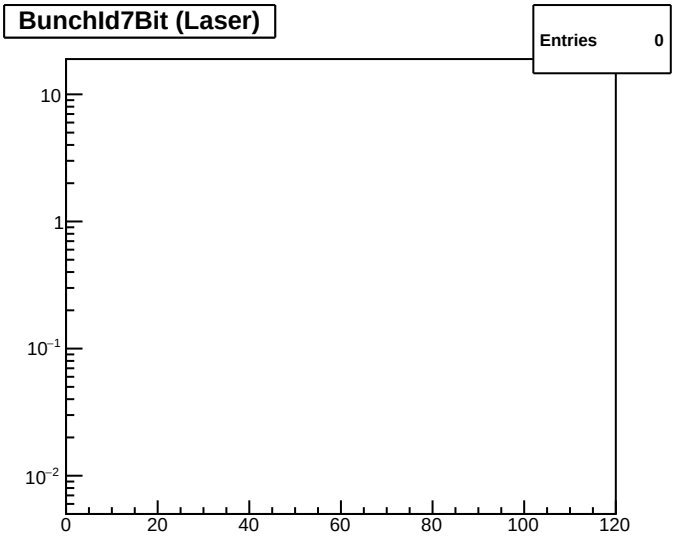
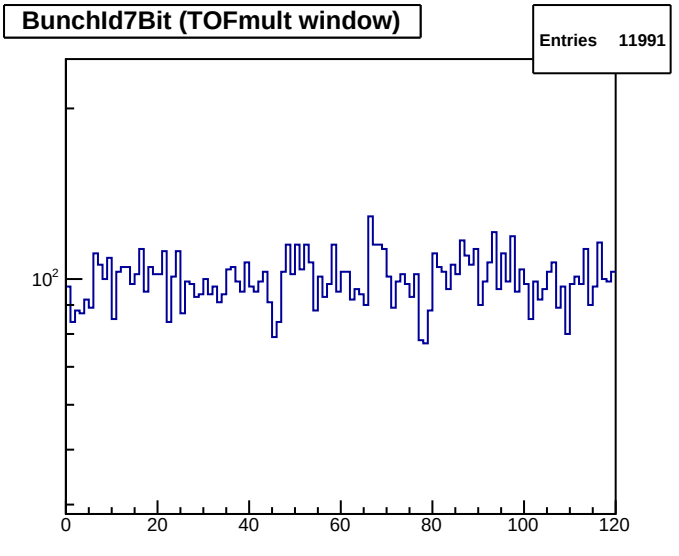

BunchId7Bit (VPD-TAC)
Entries 165332
10^3
0 20 40 60 80 100 120

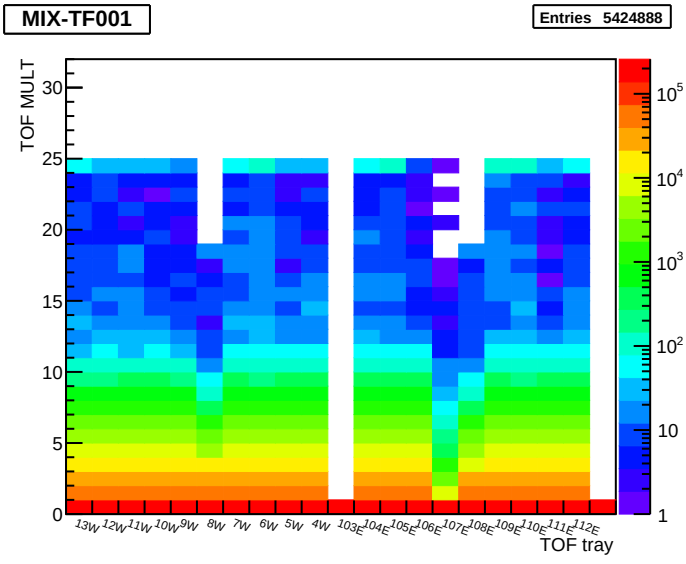

BunchId7Bit (ZDC-TAC)
Entries 1120
10
0 20 40 60 80 100 120

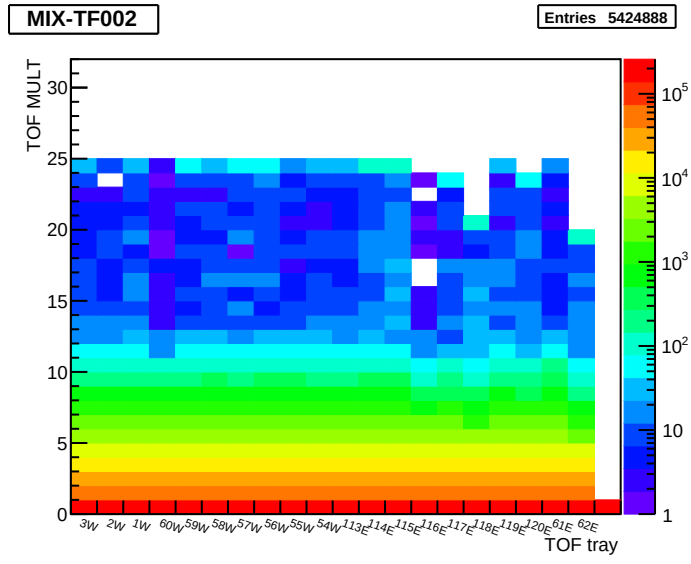

BunchId7Bit (EPD-TAC)
Entries 196076
10^3
0 20 40 60 80 100 120

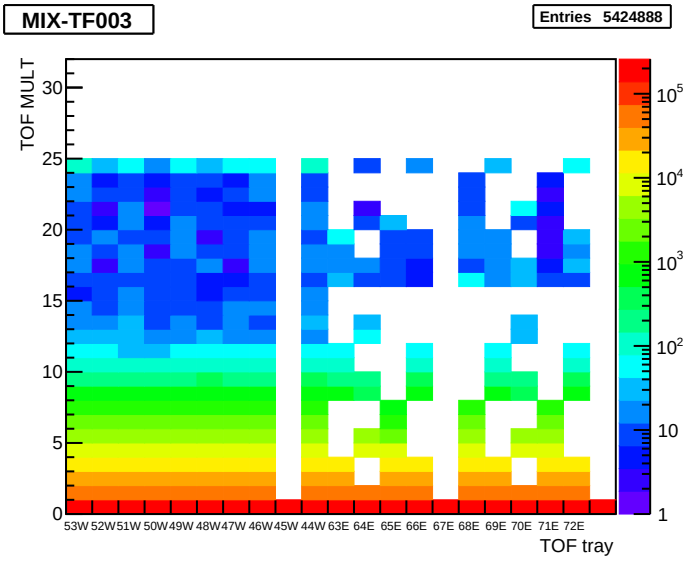

BunchId7Bit (BBC-TAC)
Entries 126038
10^3
0 20 40 60 80 100 120

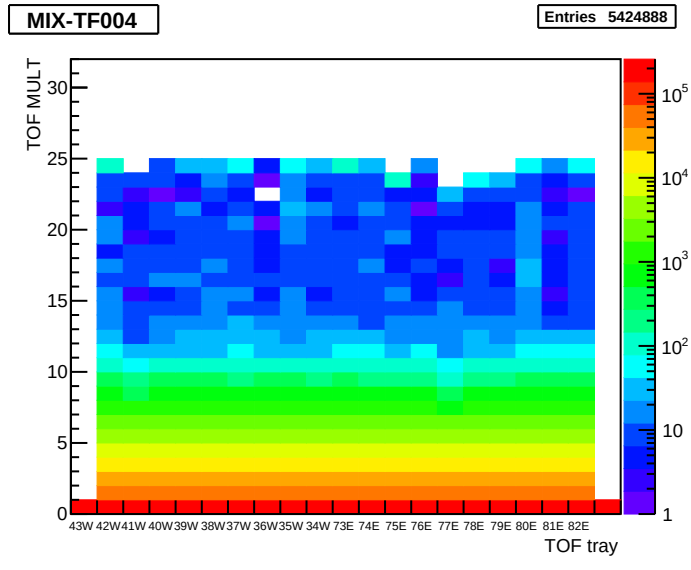

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

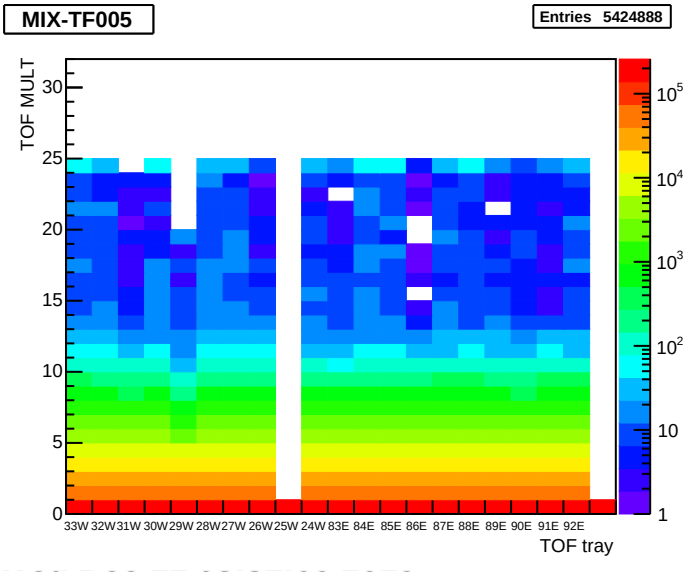

BunchId7Bit (TOFmult window)
Entries 11991
10^2
0 20 40 60 80 100 120

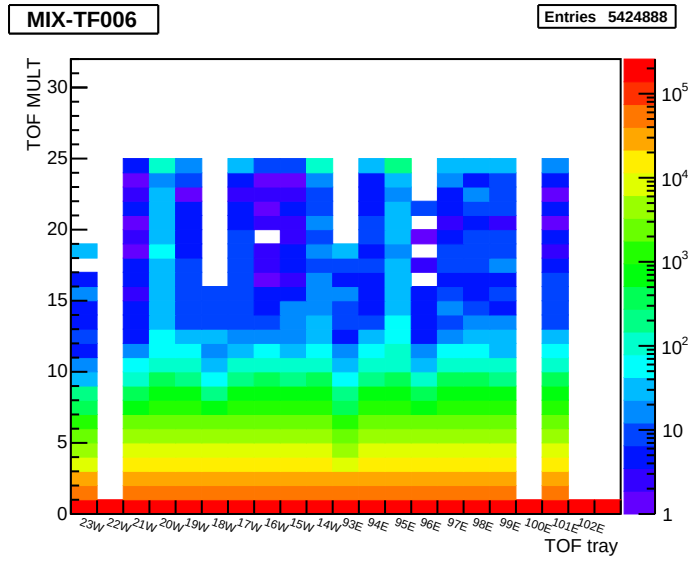

MIX-TF001
Entries 5424888
TOF MULT
TOF tray

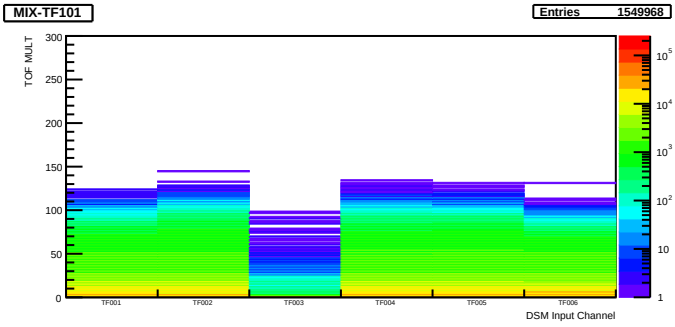

MIX-TF002
Entries 5424888
TOF MULT
TOF tray

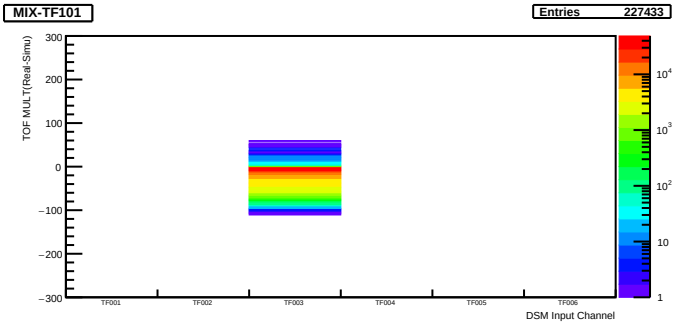

MIX-TF003
Entries 5424888
TOF MULT
TOF tray

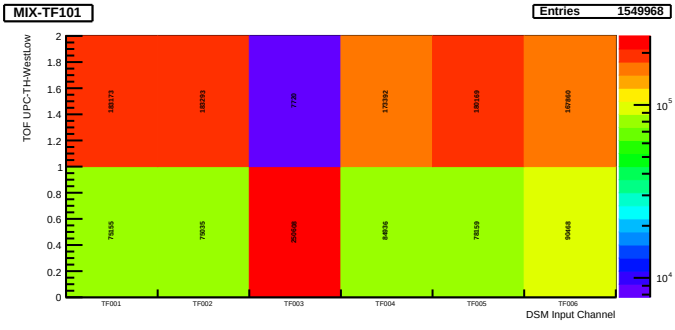

MIX-TF004
Entries 5424888
TOF MULT
TOF tray

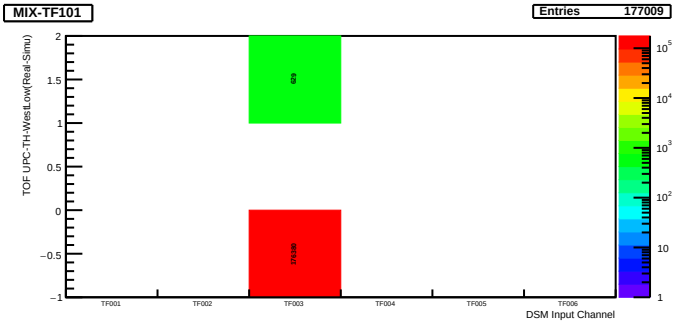

MIX-TF005
Entries 5424888
TOF MULT
TOF tray

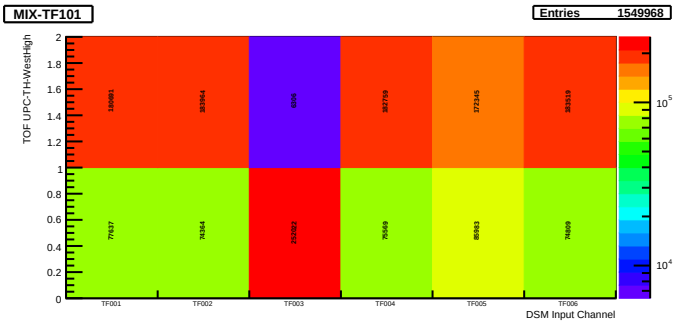

MIX-TF006
Entries 5424888
TOF MULT
TOF tray

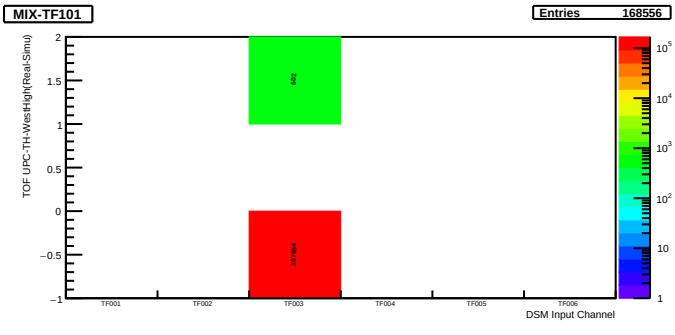

MIX-TF101
Entries 1549968
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

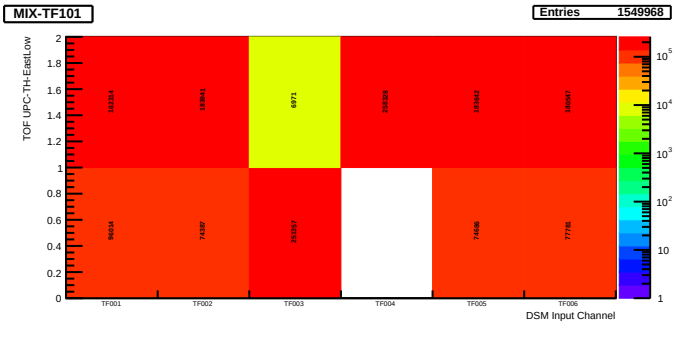

MIX-TF101
Entries 227433
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

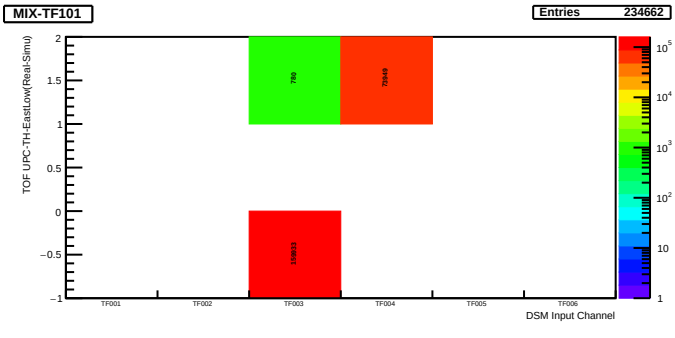

MIX-TF101
Entries 1549968
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

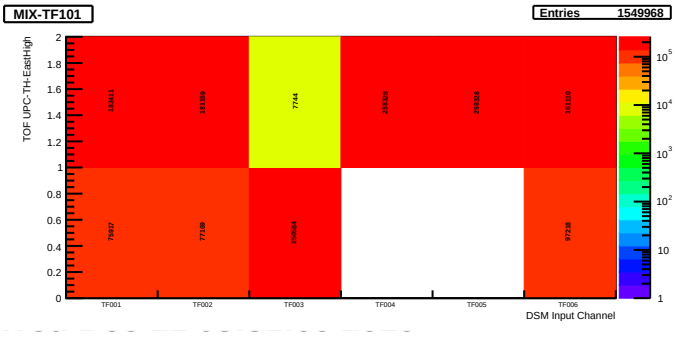

MIX-TF101
Entries 177009
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

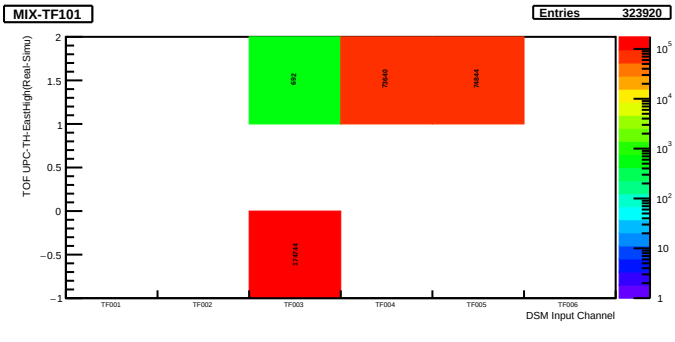

MIX-TF101
Entries 1549968
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

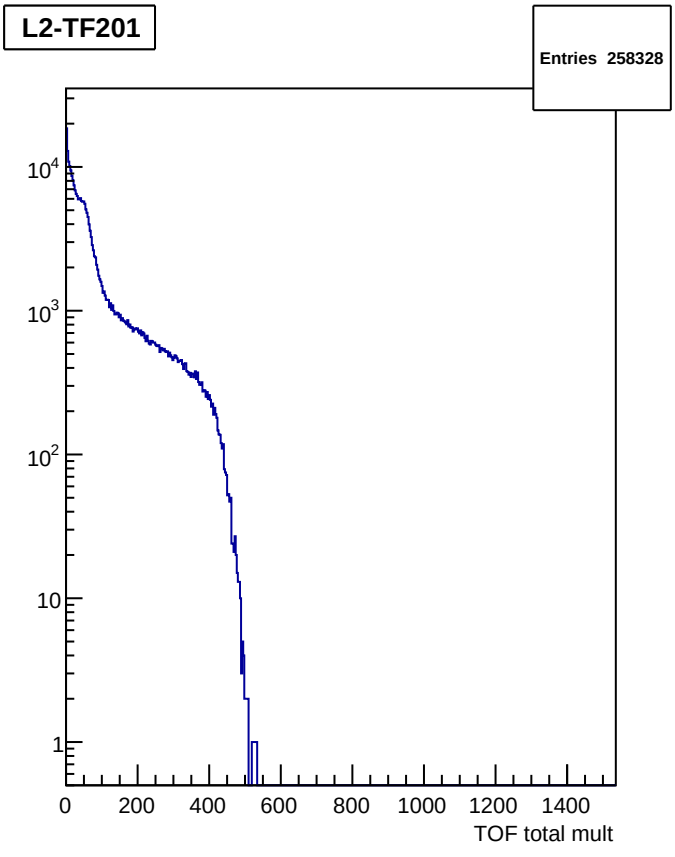

MIX-TF101
Entries 168556
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

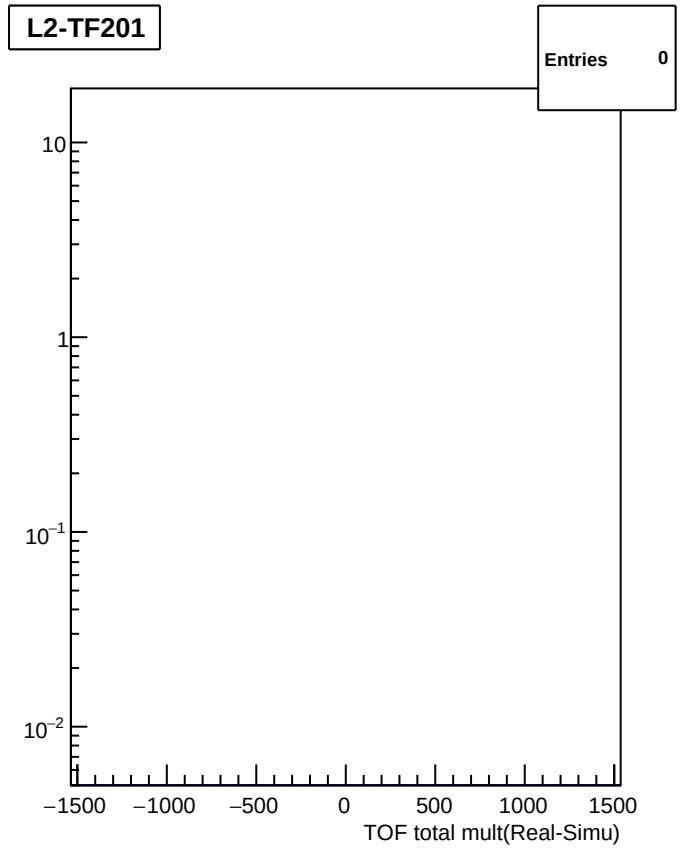

MIX-TF101
Entries 1549968
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

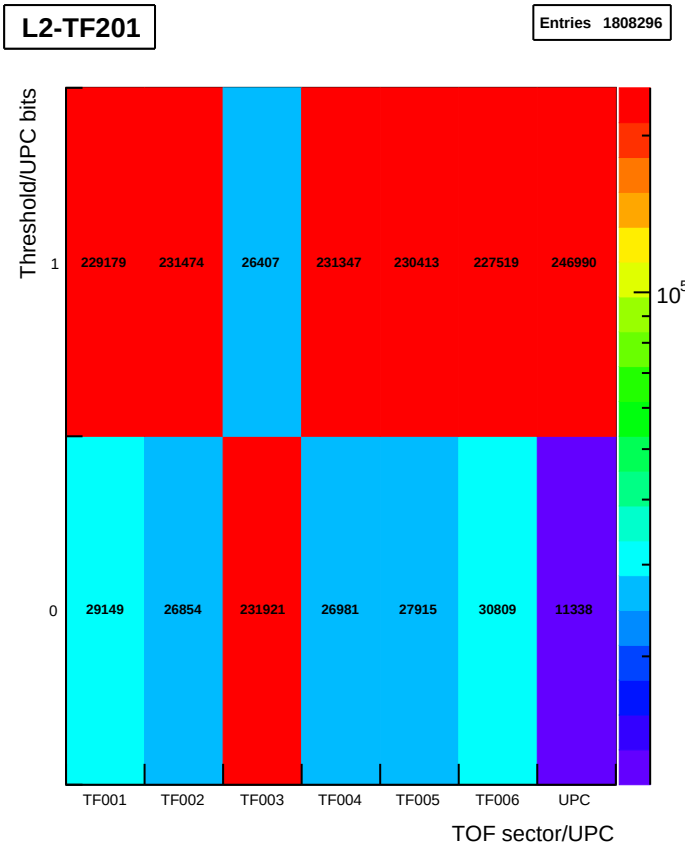

MIX-TF101
Entries 234662
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

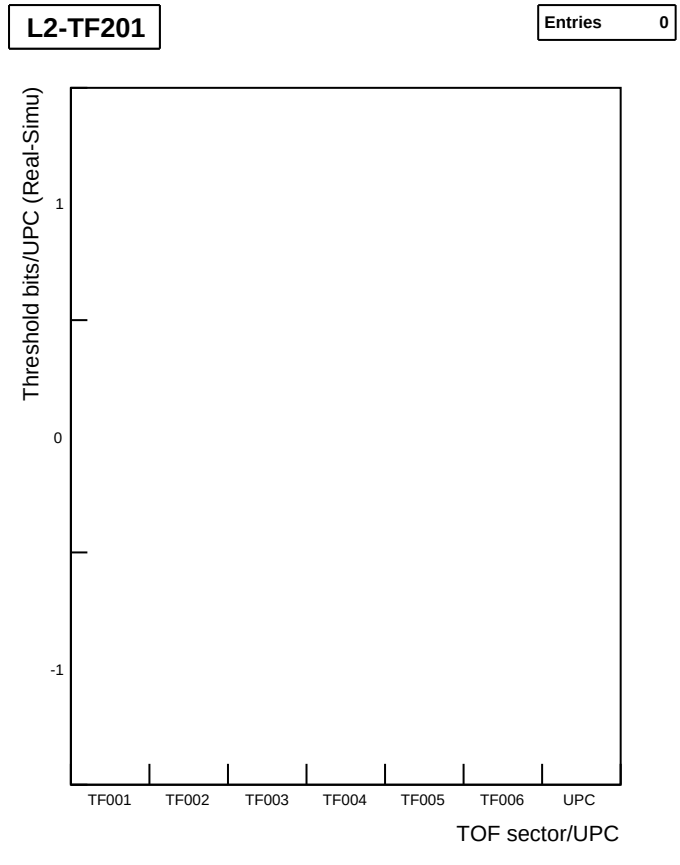

MIX-TF101
Entries 1549968
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

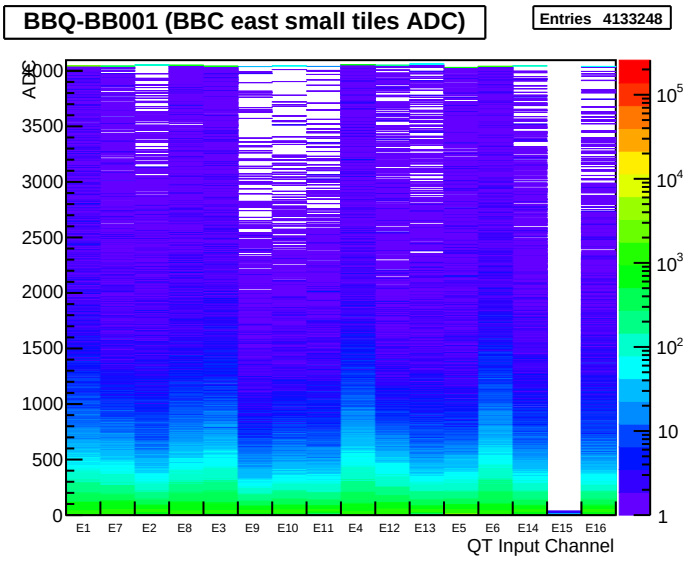

MIX-TF101
Entries 323920
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

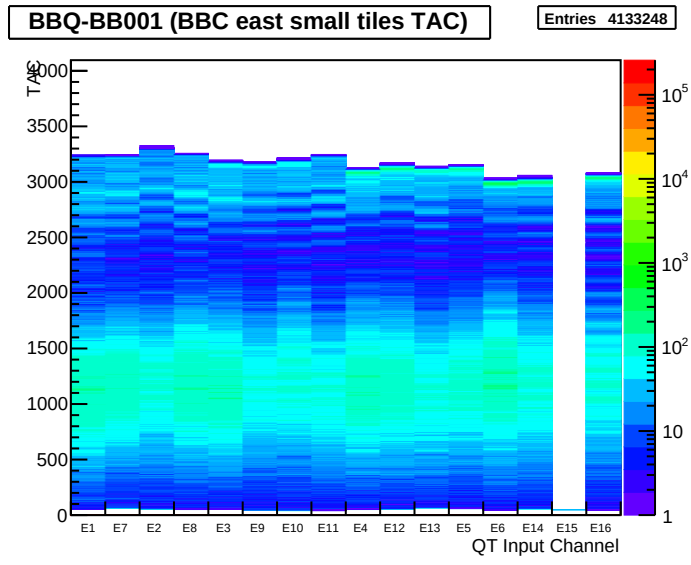

L2-TF201
Entries 258328
TOF total mult

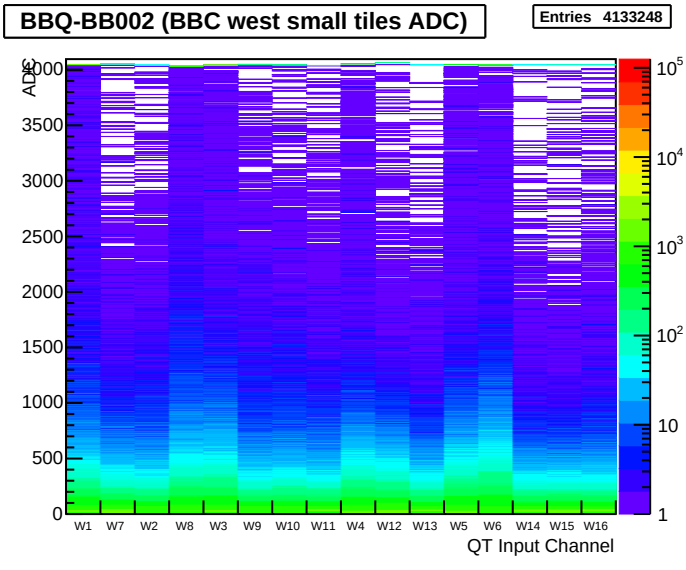

L2-TF201
Entries 0
TOF total mult(Real-Simu)

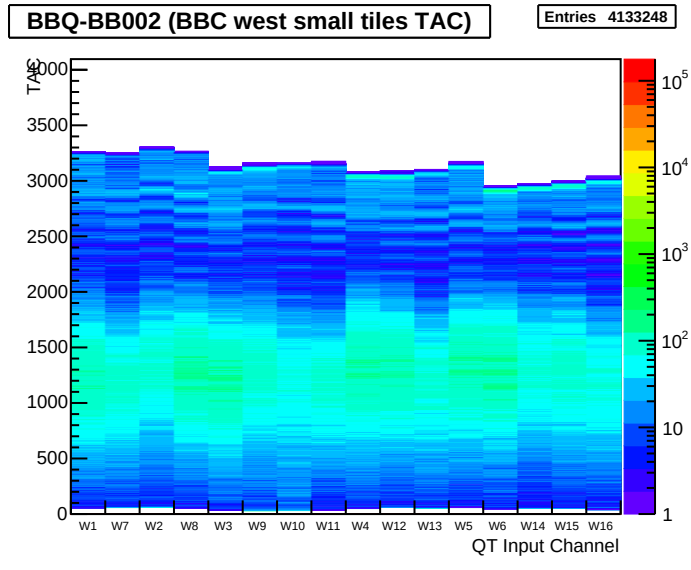

L2-TF201
Entries 1808296
Threshold/UPC bits
229179
231474
26407
231347
230413
227519
246990
29149
26854
231921
26981
27915
30809
11338
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

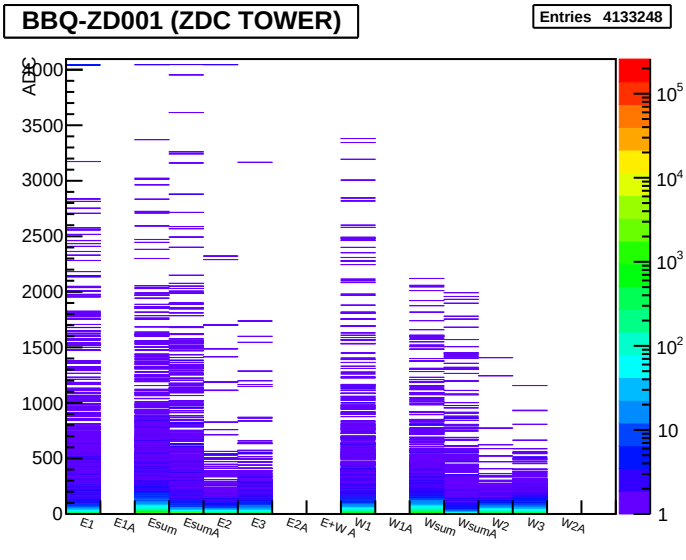

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

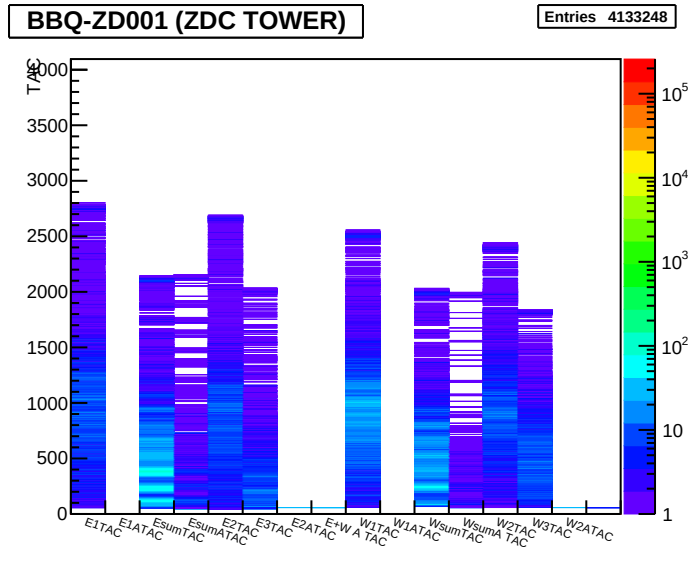

BBQ-BB001 (BBC east small tiles ADC)
Entries 4133248
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

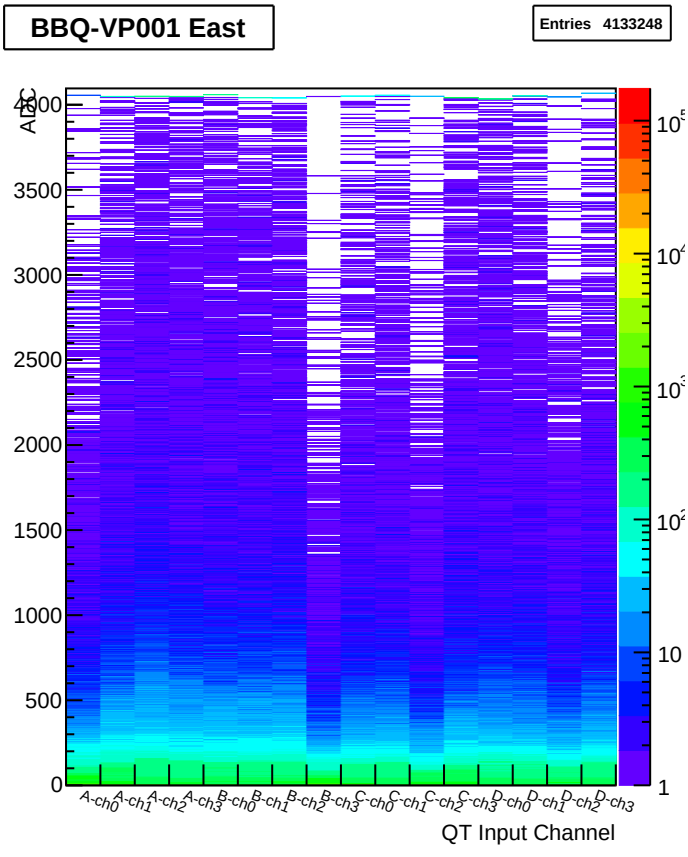

BBQ-BB001 (BBC east small tiles TAC)
Entries 4133248
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

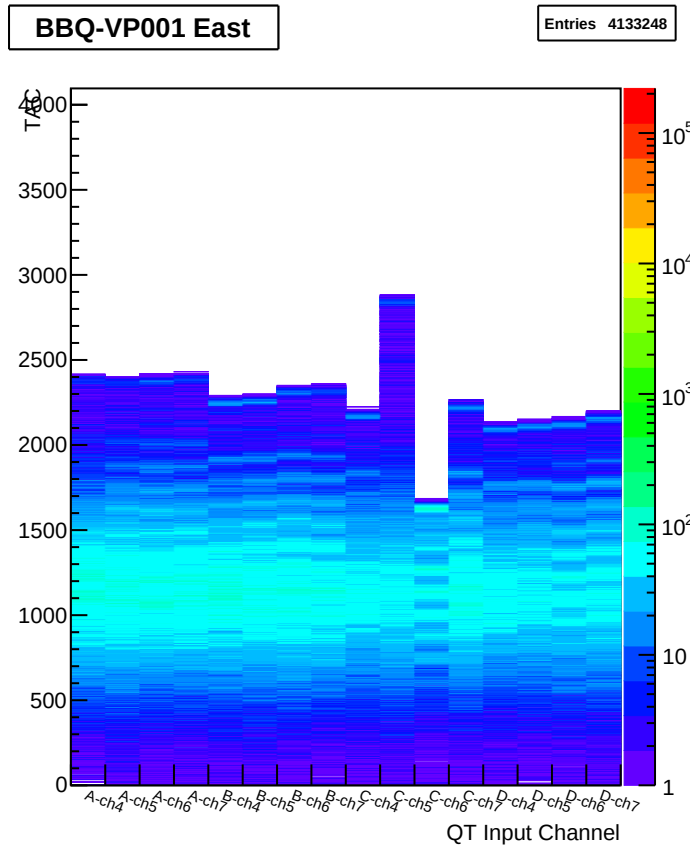

BBQ-BB002 (BBC west small tiles ADC)
Entries 4133248
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

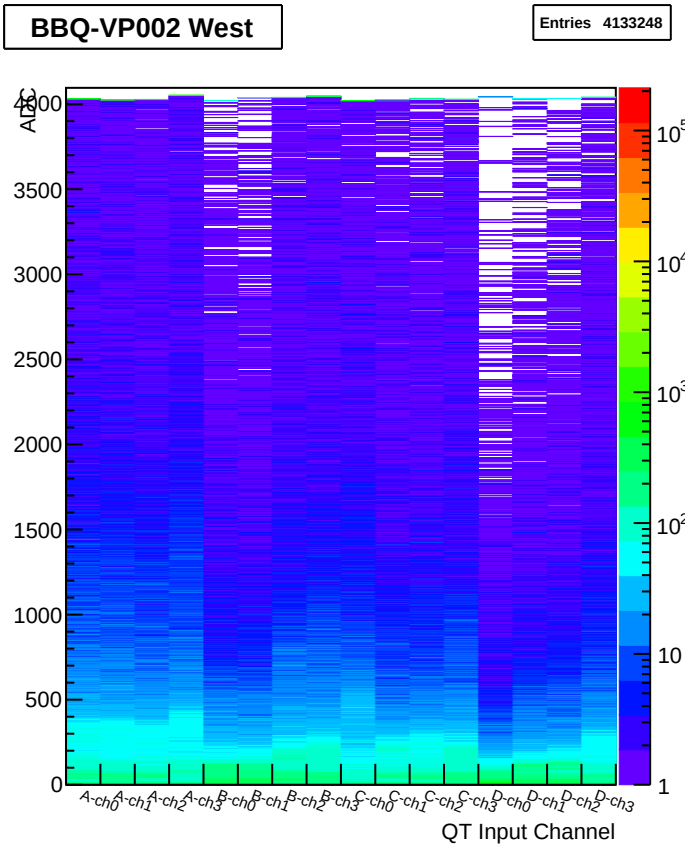

BBQ-BB002 (BBC west small tiles TAC)
Entries 4133248
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

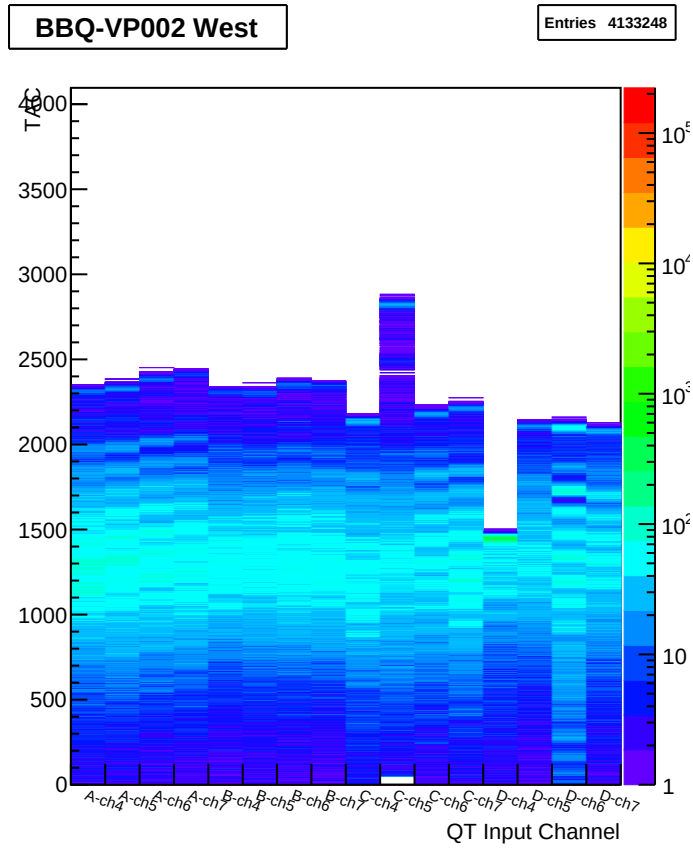

BBQ-ZD001 (ZDC TOWER)
Entries 4133248
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

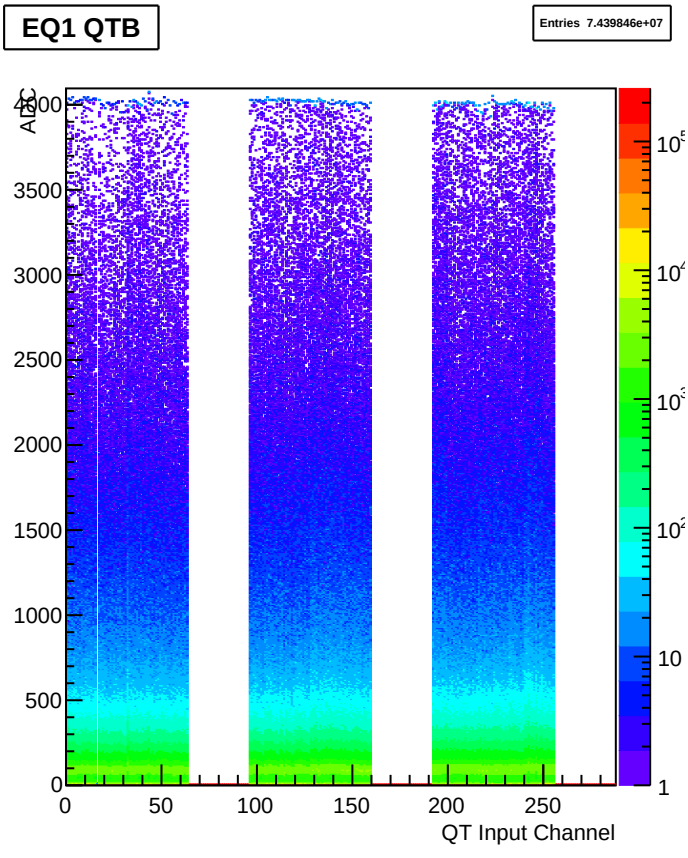

BBQ-ZD001 (ZDC TOWER)
Entries 4133248
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

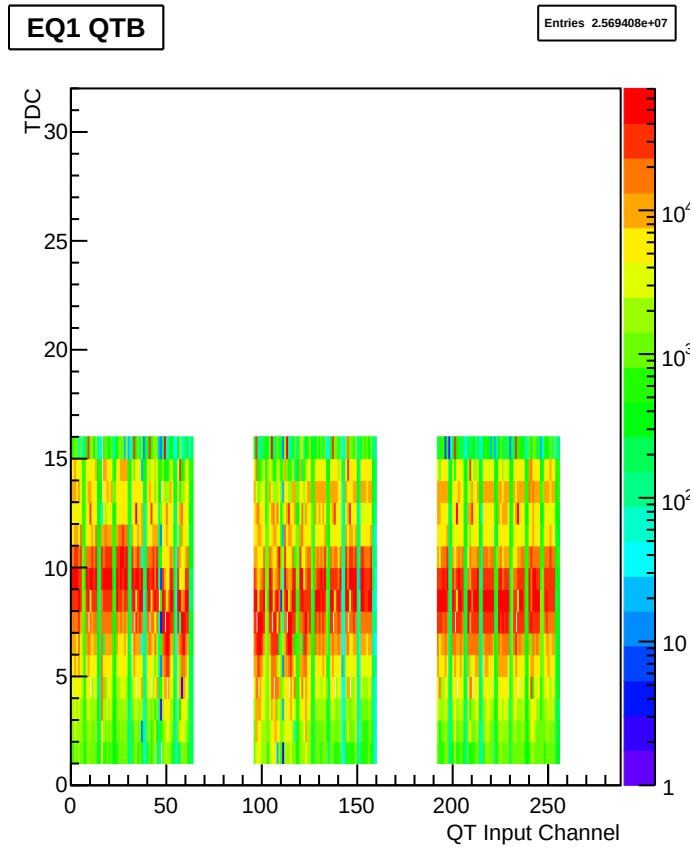

BBQ-VP001 East
Entries 4133248
ADC
QT Input Channel

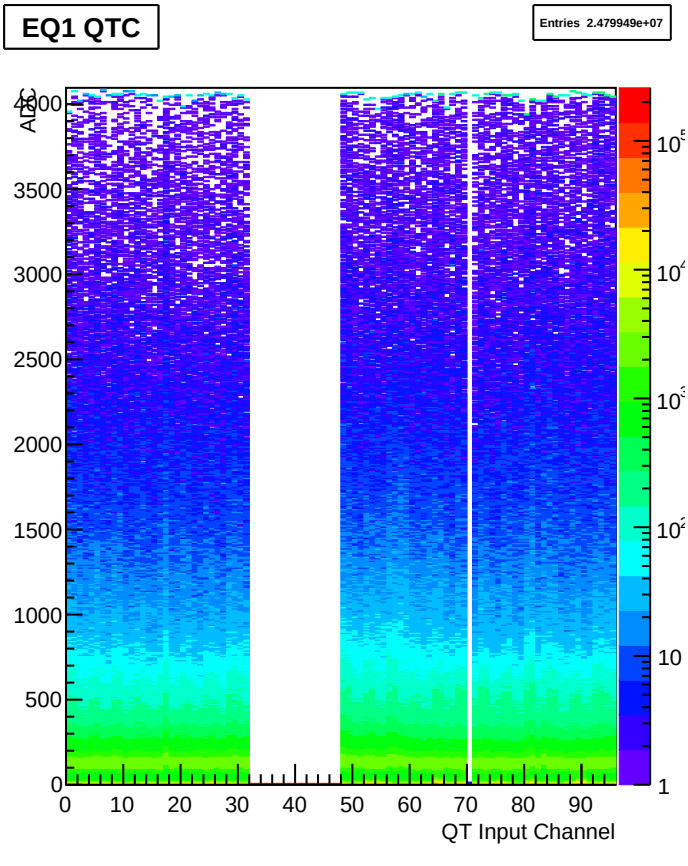

BBQ-VP001 East
Entries 4133248
TADC
QT Input Channel

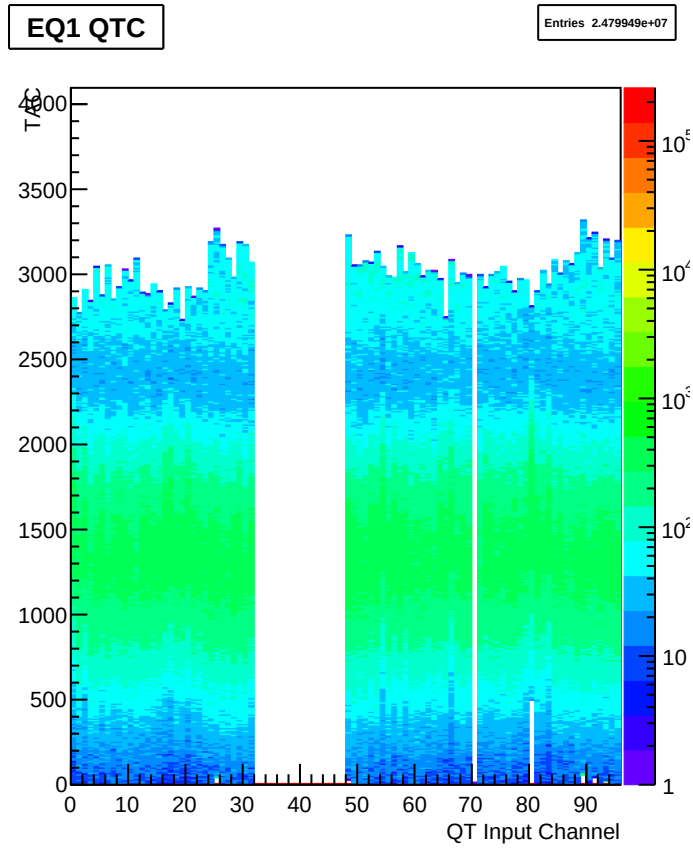

BBQ-VP002 West
Entries 4133248
ADC
QT Input Channel

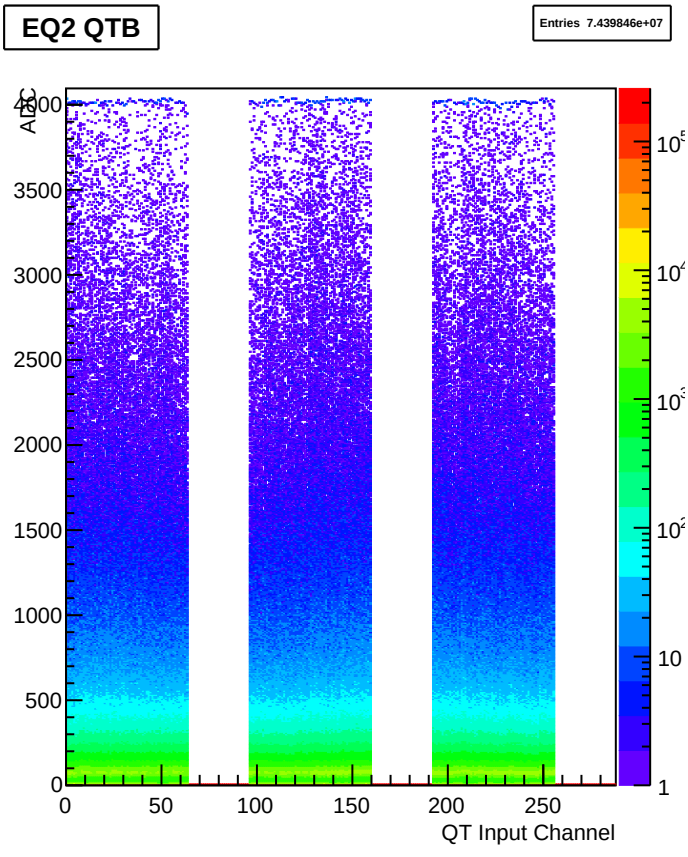

BBQ-VP002 West
Entries 4133248
TADC
QT Input Channel

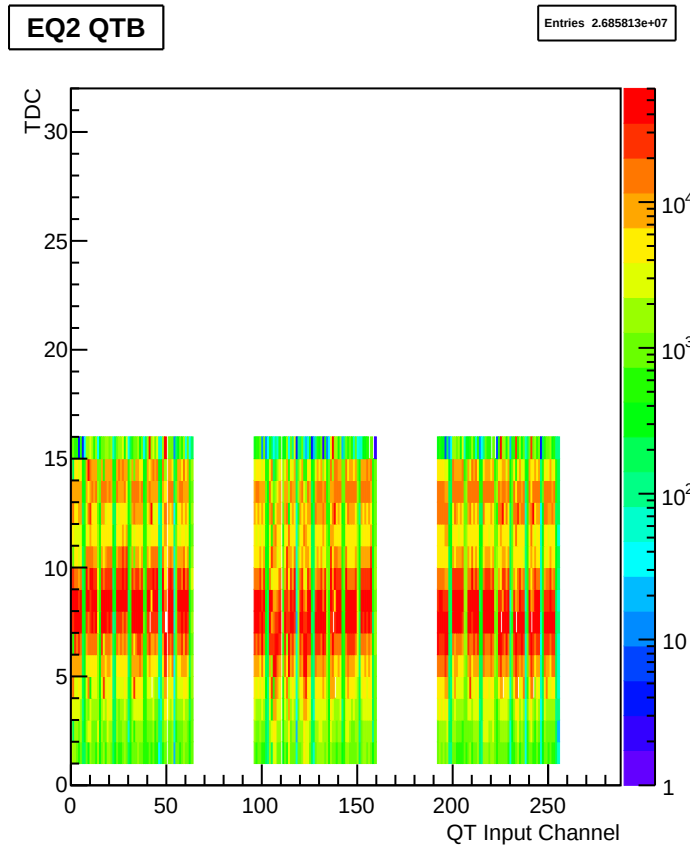

EQ1 QTB
Entries 7.439846e+07
ADC
QT Input Channel

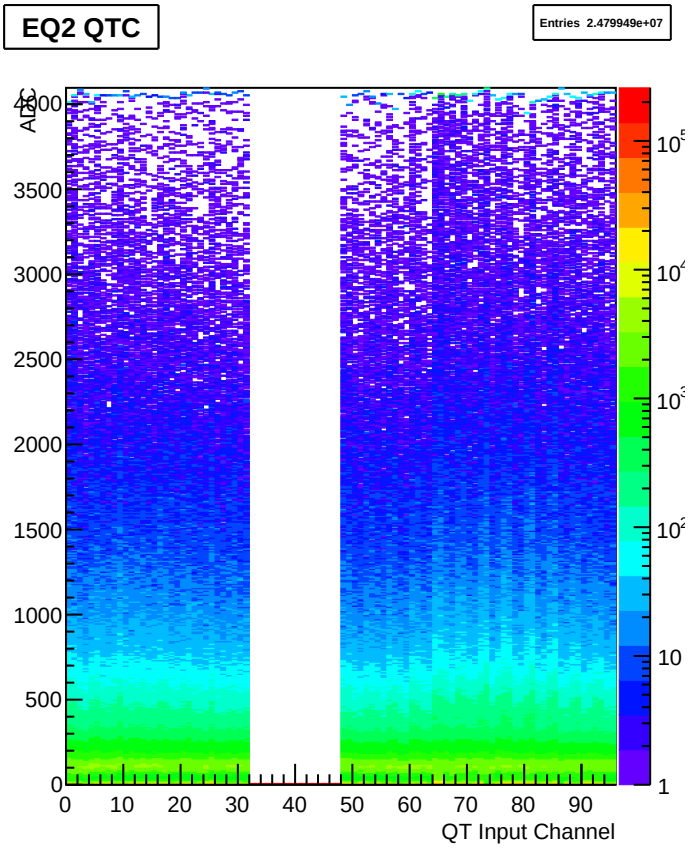

EQ1 QTB
Entries 2.569408e+07
TDC
QT Input Channel

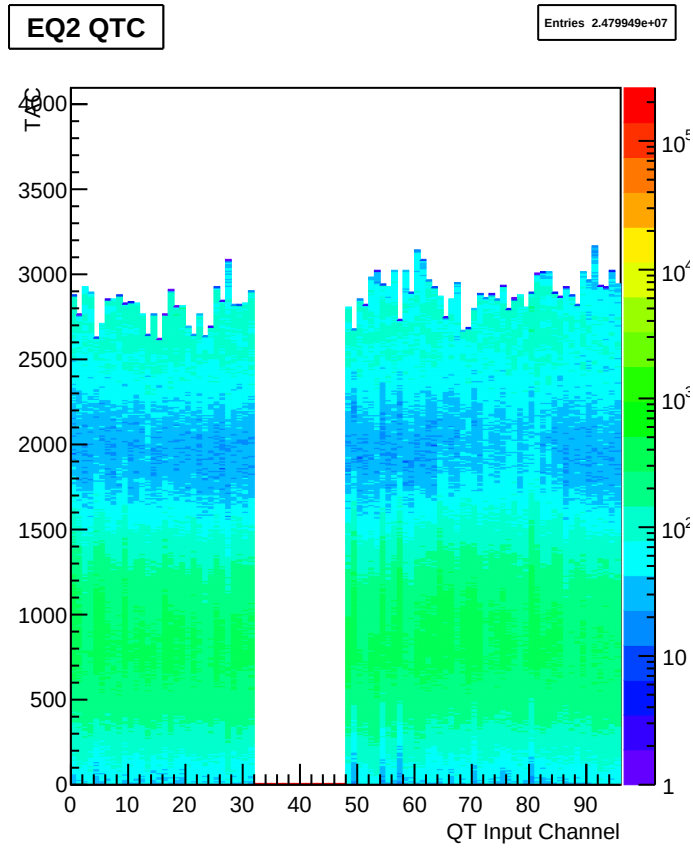

EQ1 QTC
Entries 2.479949e+07
ADC
QT Input Channel

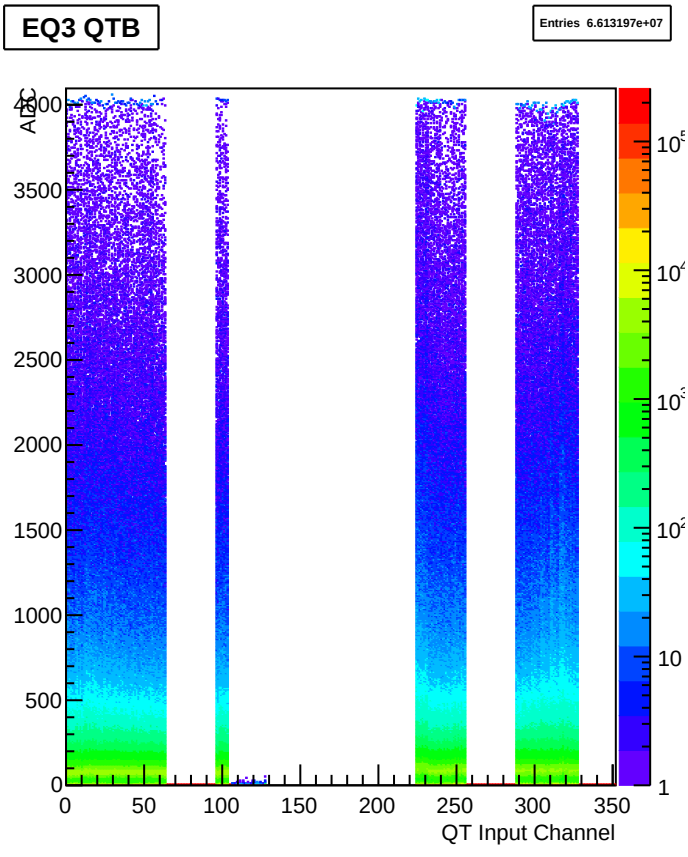

EQ1 QTC
Entries 2.479949e+07
TADC
QT Input Channel

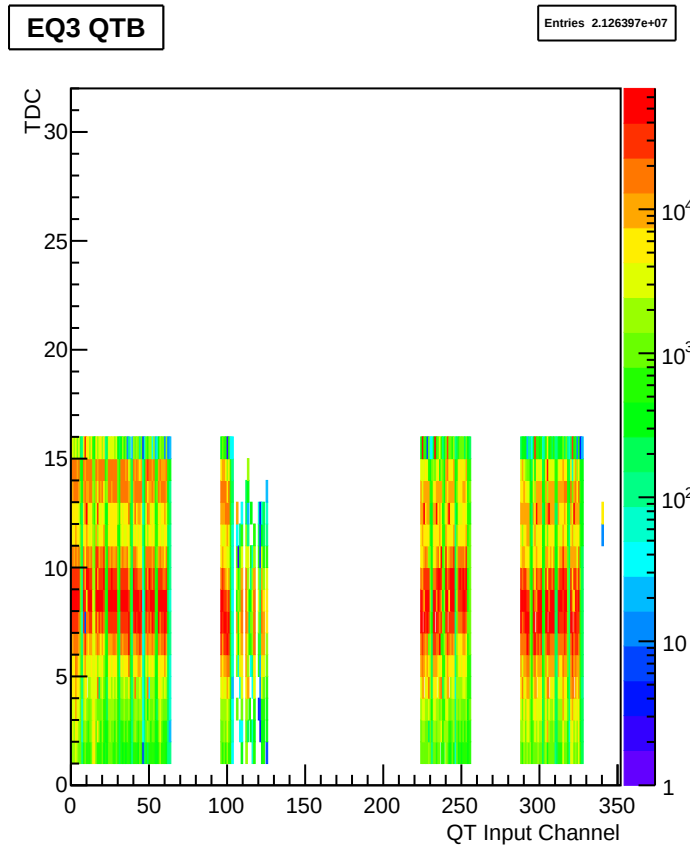

EQ2 QTB
Entries 7.439846e+07
ADC
QT Input Channel

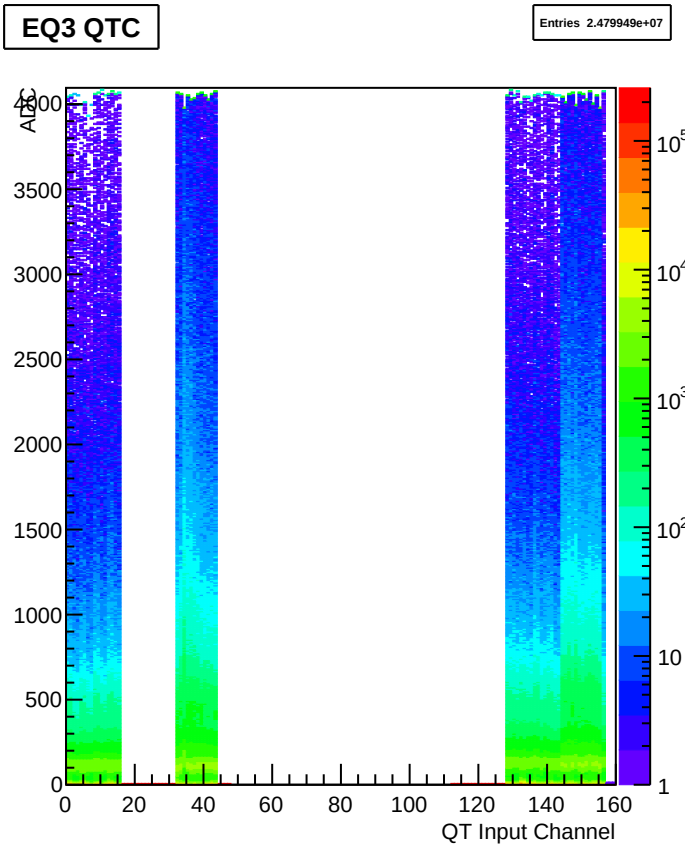

EQ2 QTB
Entries 2.685813e+07
TDC
QT Input Channel

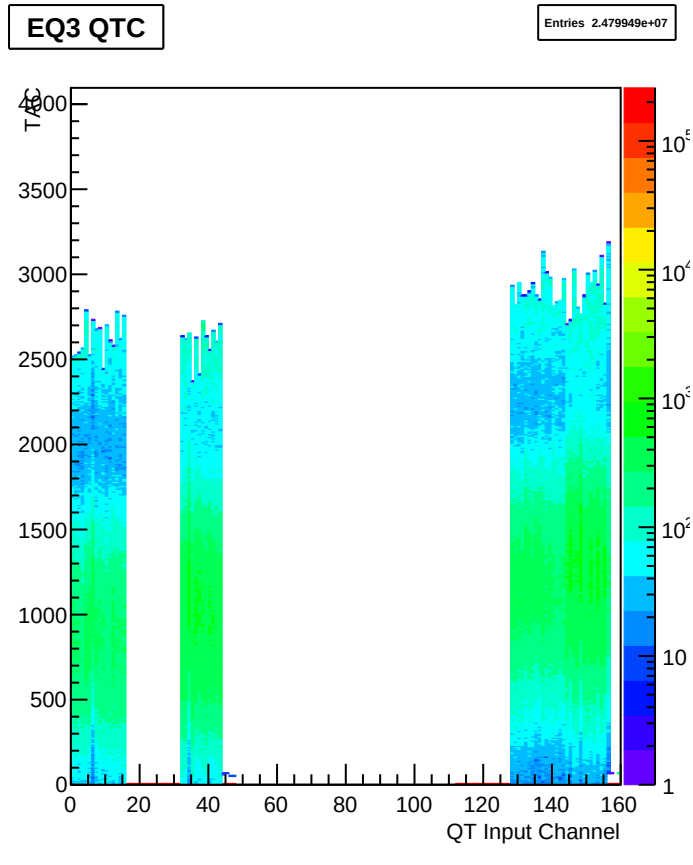

EQ2 QTC
Entries 2.479949e+07
ADC
QT Input Channel

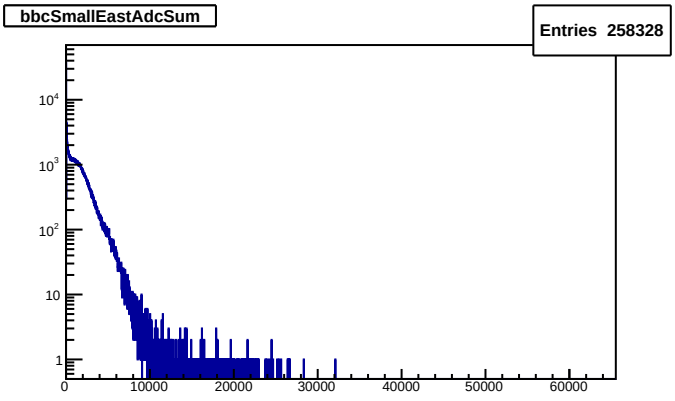

EQ2 QTC
Entries 2.479949e+07
TADC
QT Input Channel

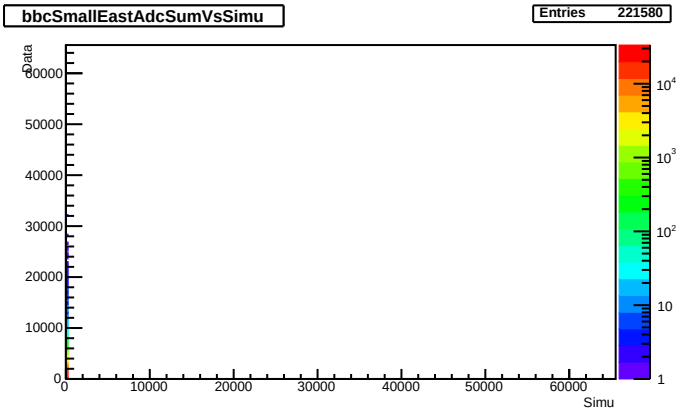

EQ3 QTB
Entries 6.613197e+07
ADC
QT Input Channel

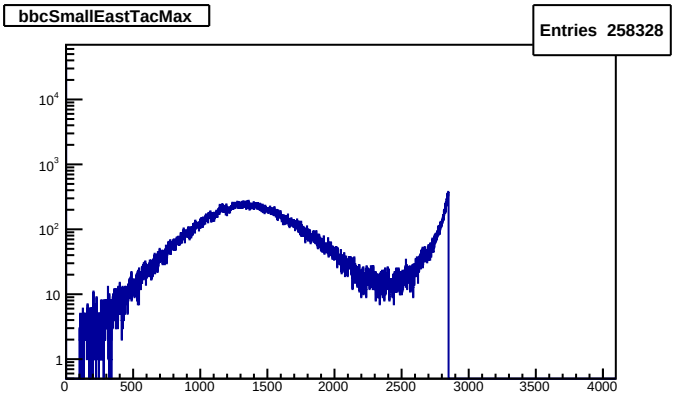

EQ3 QTB
Entries 2.126397e+07
TDC
QT Input Channel

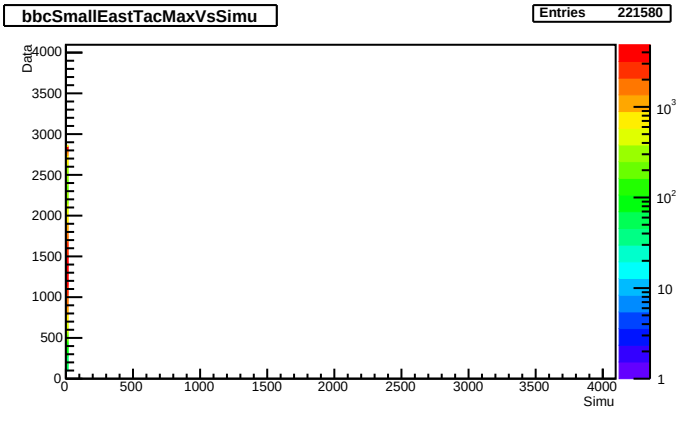

EQ3 QTC
Entries 2.479949e+07
ADC
QT Input Channel

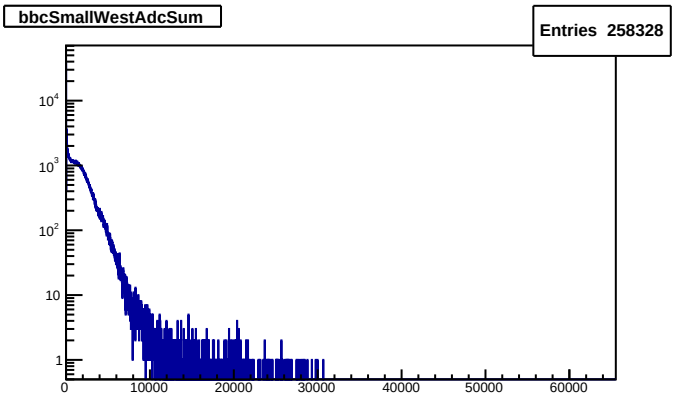

EQ3 QTC
Entries 2.479949e+07
TADC
QT Input Channel

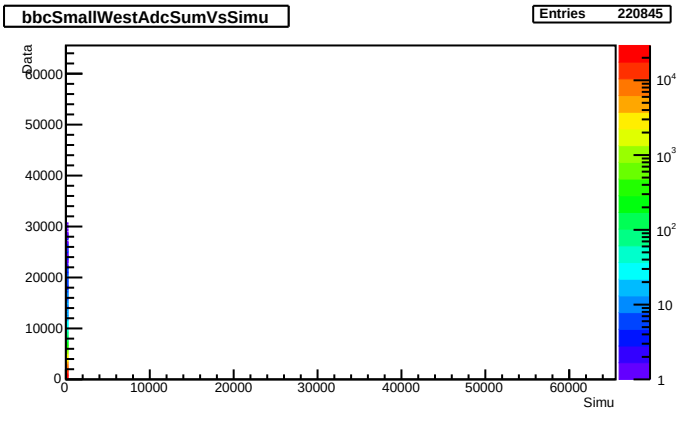

bbcSmallEastAdcSum
Entries 258328


bbcSmallEastAdcSumVsSimu
Entries 221580
Data
Simu


bbcSmallEastTacMax
Entries 258328


bbcSmallEastTacMaxVsSimu
Entries 221580
Data
Simu


bbcSmallWestAdcSum
Entries 258328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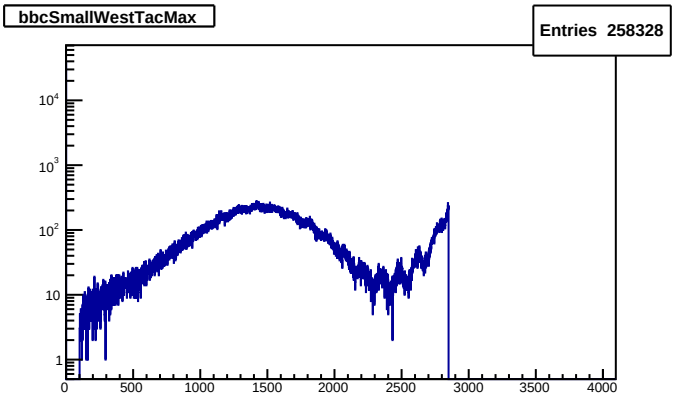
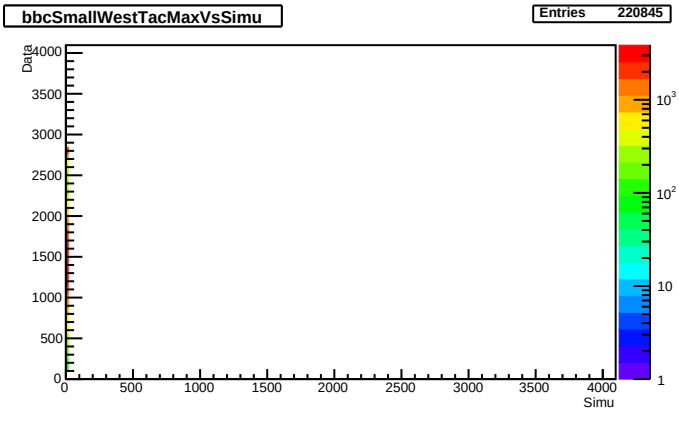
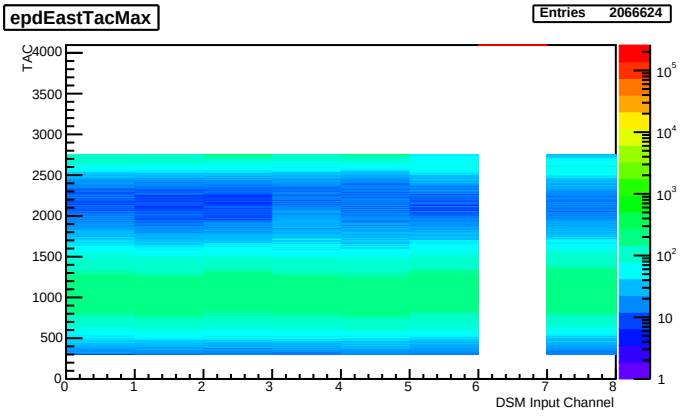
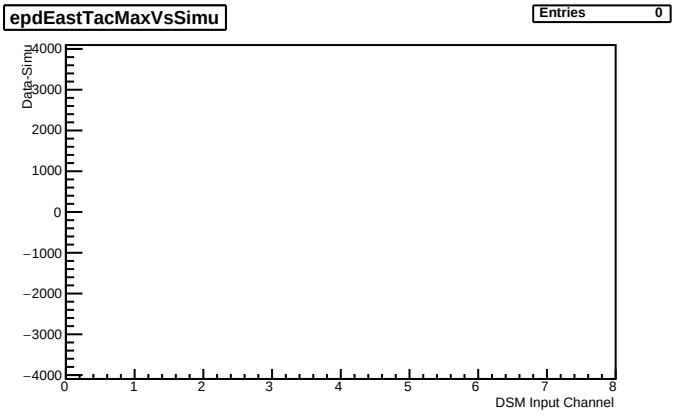
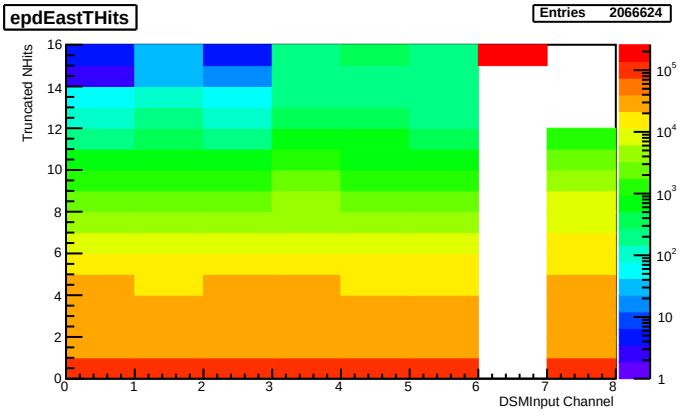
Entries 220845
Data
Simu

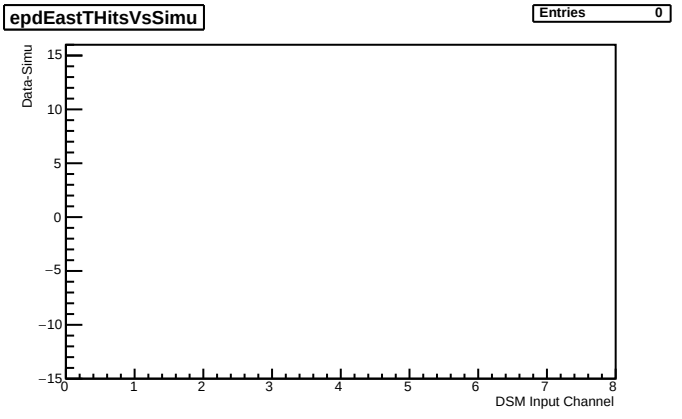

bbcSmallWestTacMax
Entries 258328

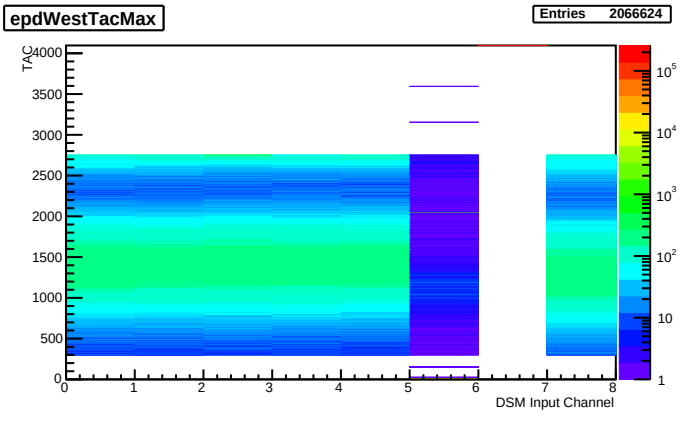

bbcSmallWestTacMaxVsSimu
Entries 220845
Data
Simu

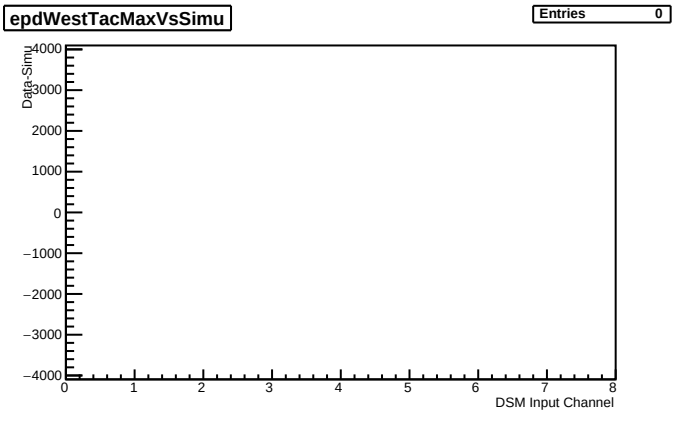

epdEastTacMax
Entries 2066624
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2066624
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 2066624
TAC
DSM Input Channel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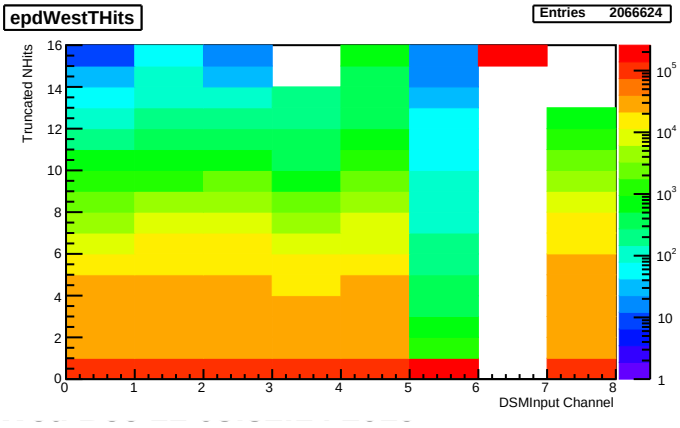
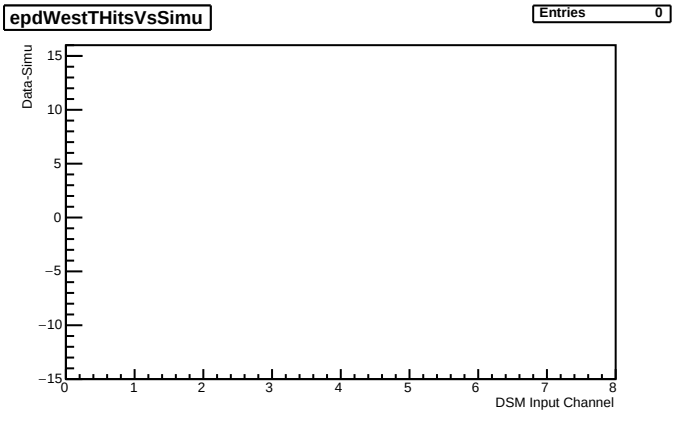
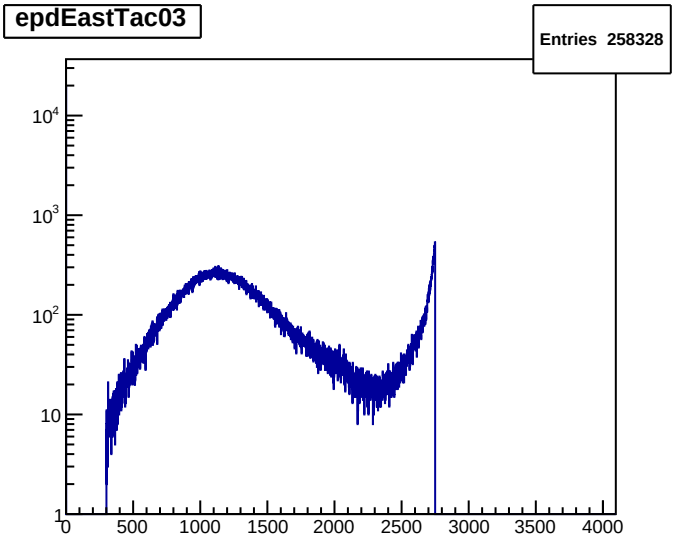
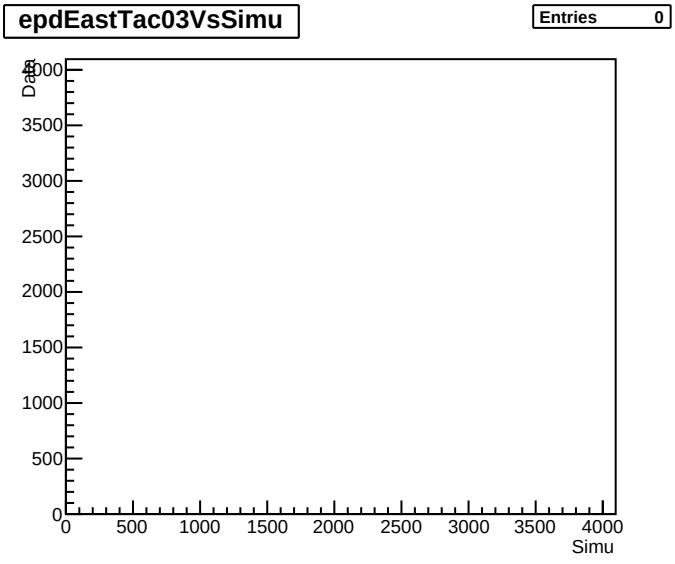
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2066624
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 258328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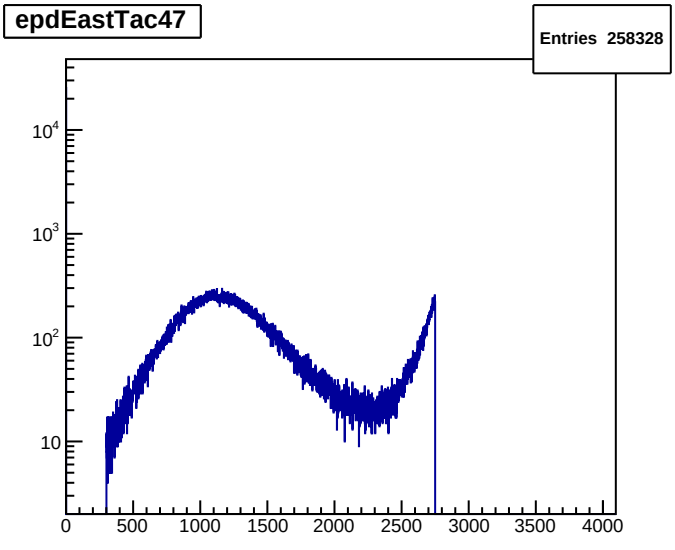
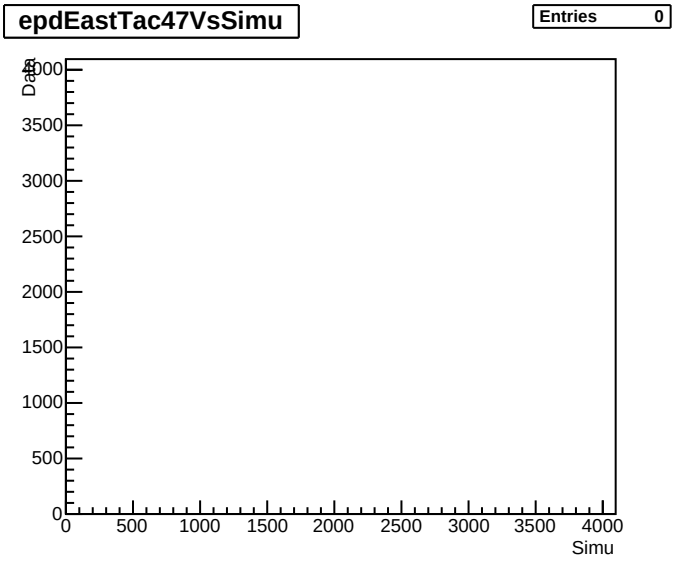
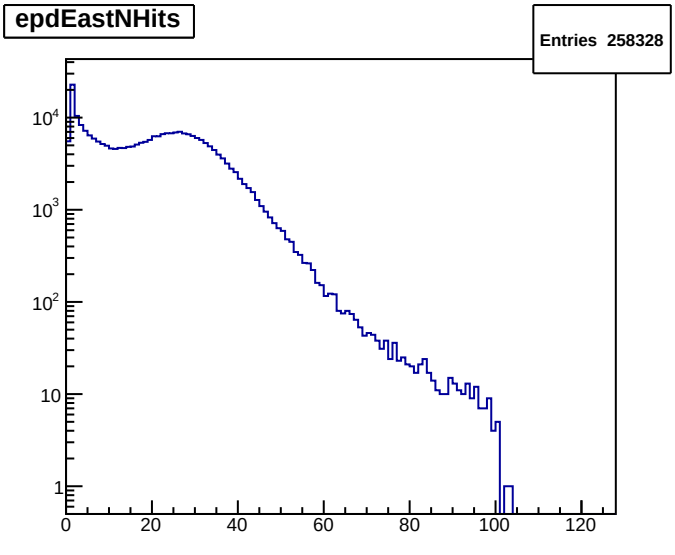
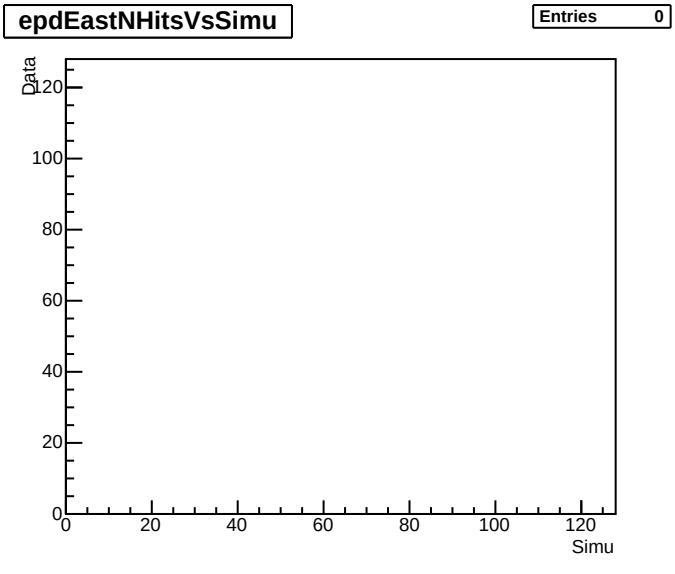
Entries 0
Data
Simu


epdEastTac47
Entries 258328


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 258328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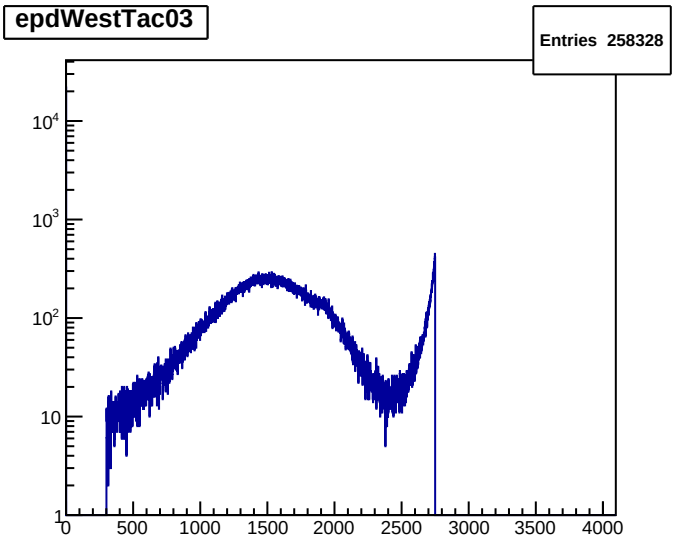
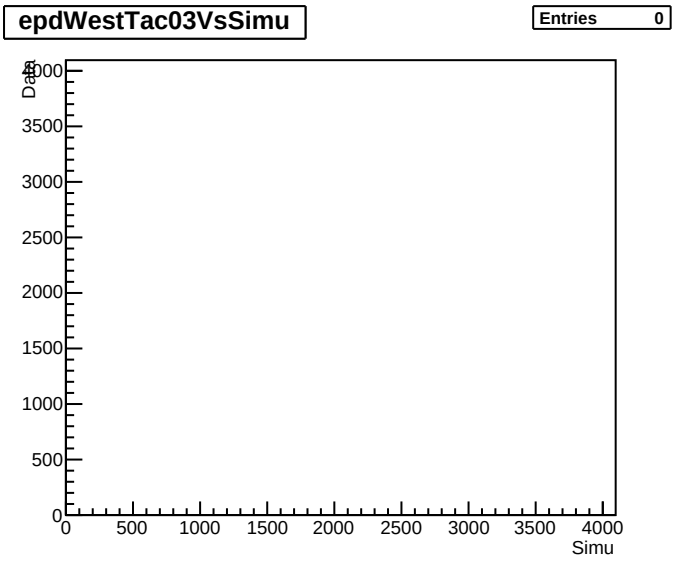
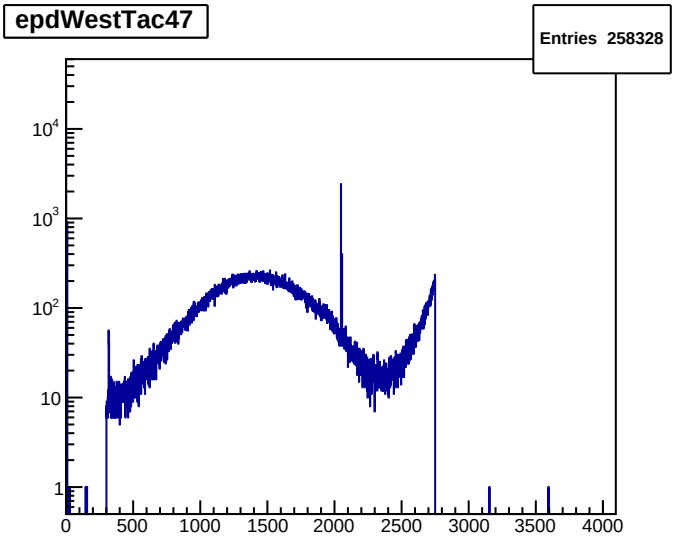
Entries 0
Data
Simu


epdWestTac03
Entries 258328


epdWestTac03VsSimu
Entries 0
Data
Simu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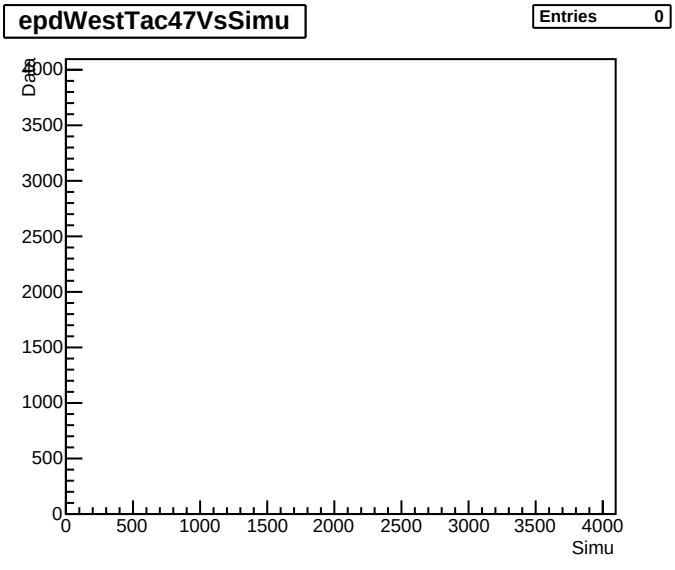
Entries 258328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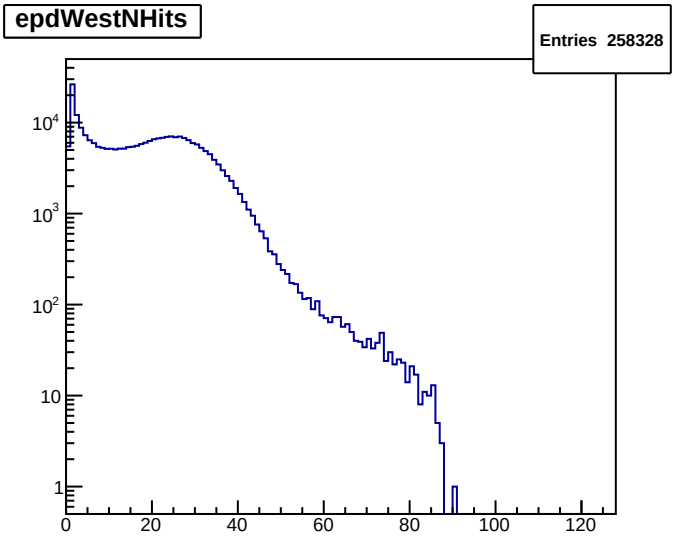
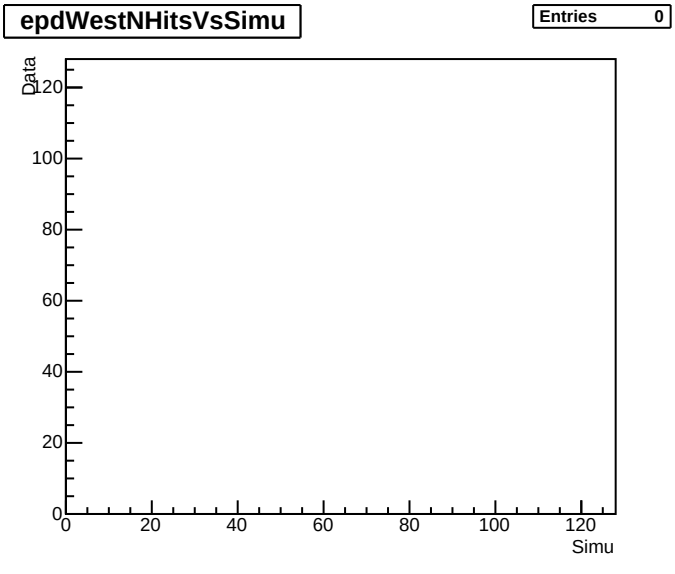
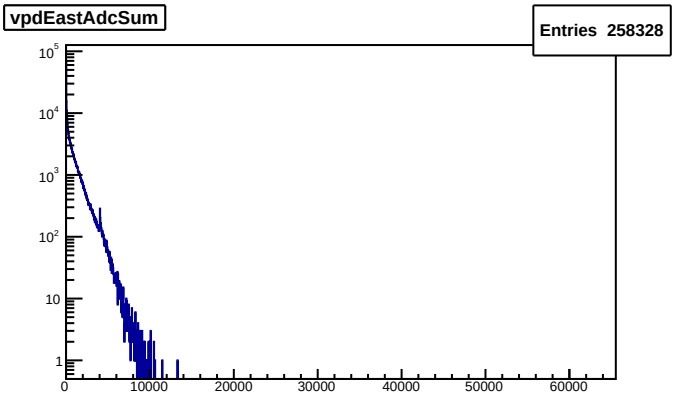
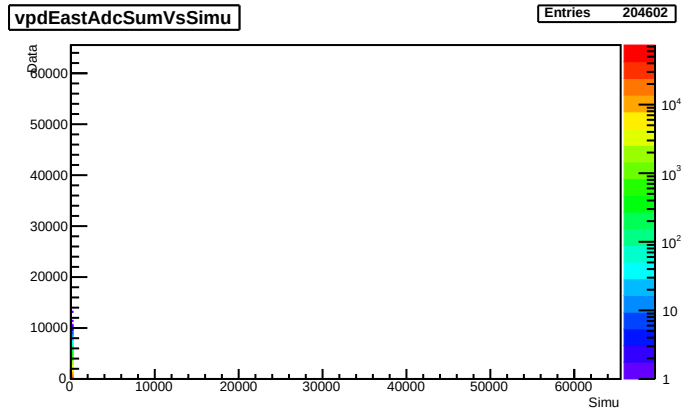
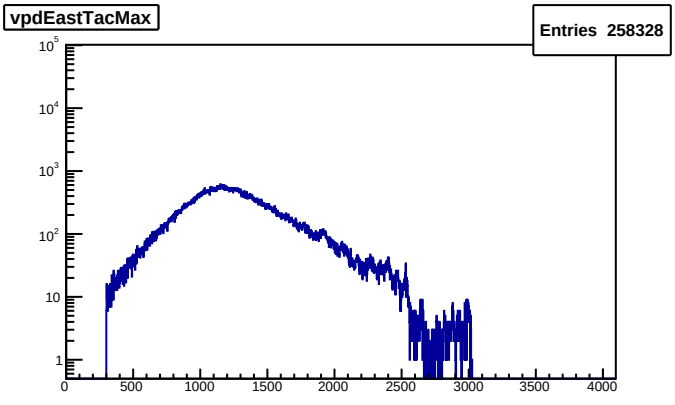
Entries 0
Data
Simu

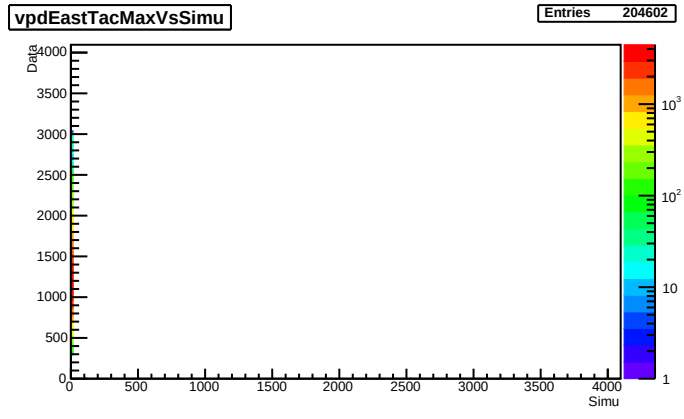

epdWestNHits
Entries 258328

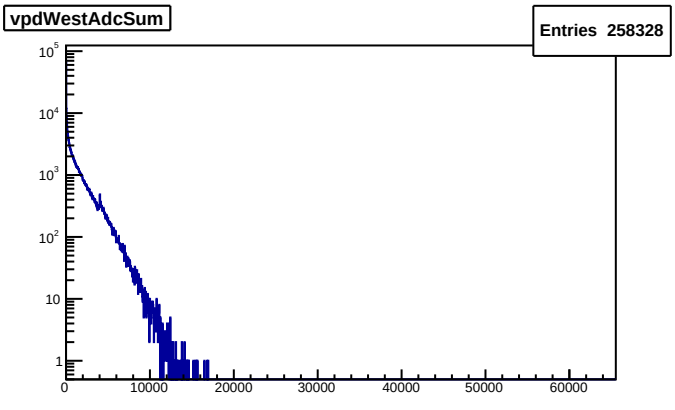

epdWestNHitsVsSimu
Entries 0
Data
Simu

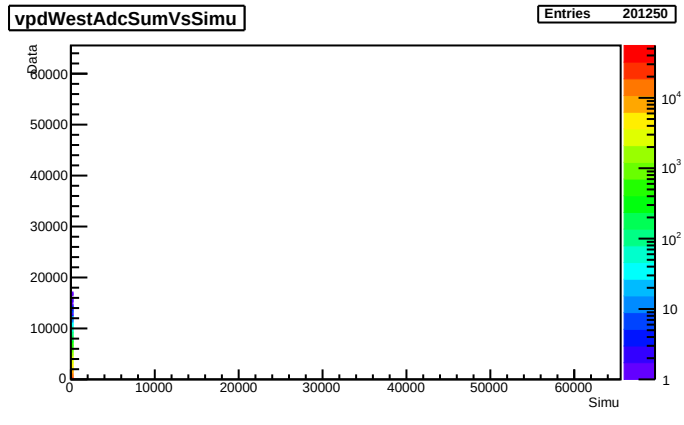

vpdEastAdcSum
Entries 258328

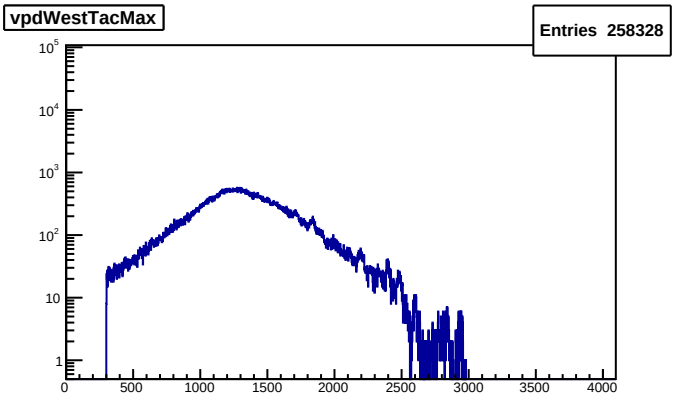

vpdEastAdcSumVsSimu
Entries 204602
Data
Simu

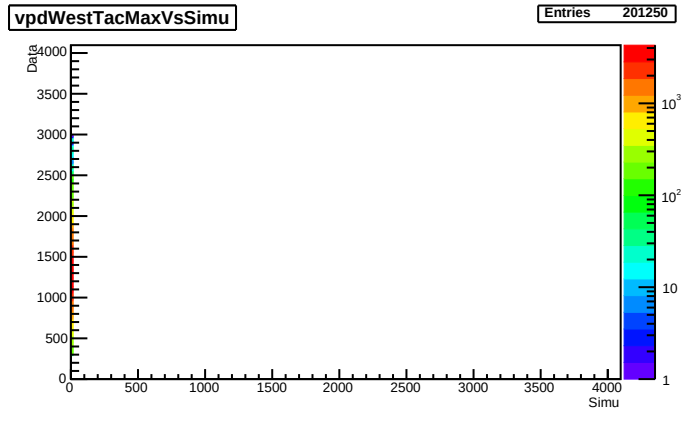

vpdEastTacMax
Entries 258328

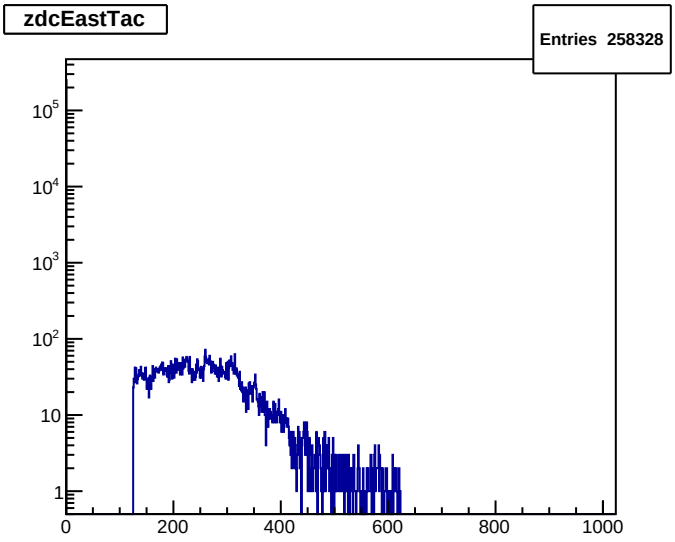

vpdEastTacMaxVsSimu
Entries 204602
Data
Simu

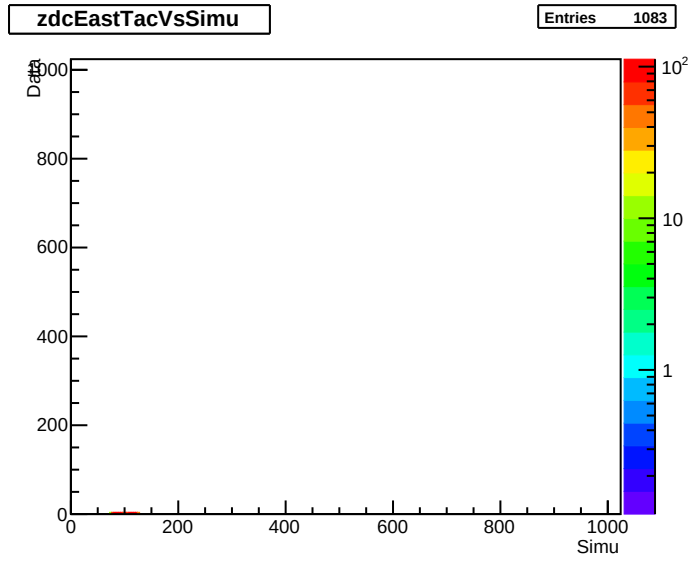

vpdWestAdcSum
Entries 258328

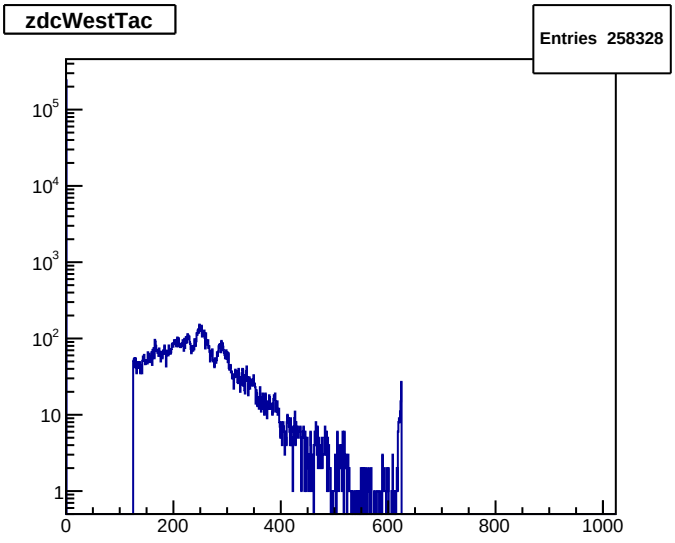

vpdWestAdcSumVsSimu
Entries 201250
Data
Simu

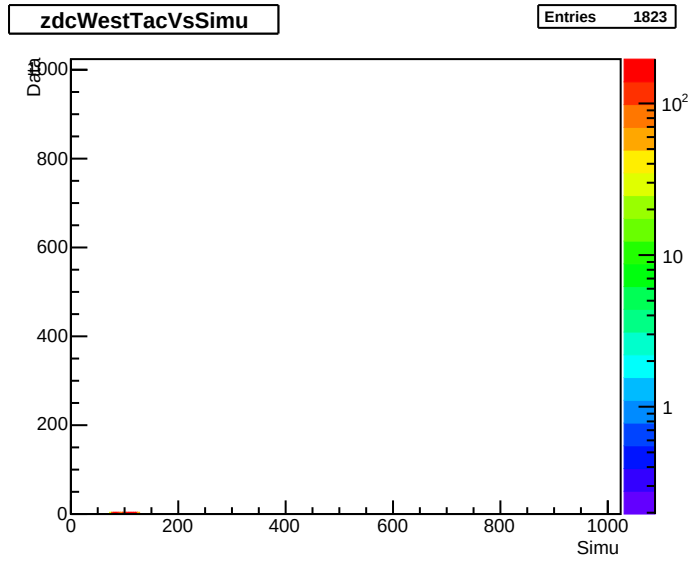

vpdWestTacMax
Entries 258328

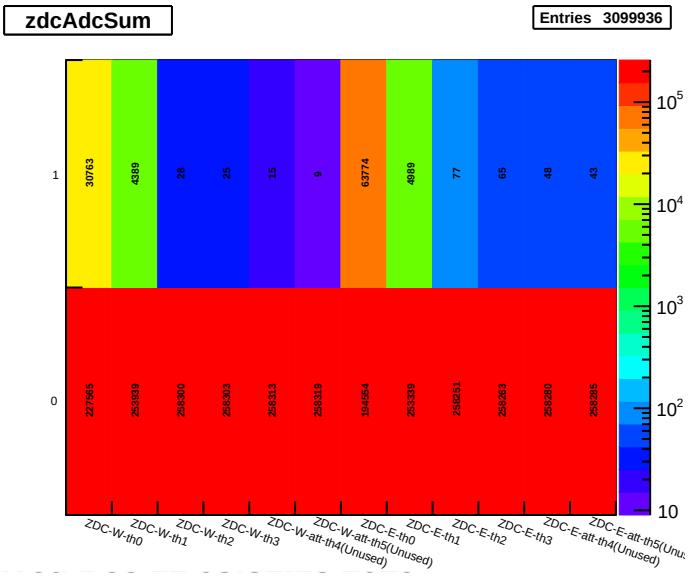

vpdWestTacMaxVsSimu
Entries 201250
Data
Simu

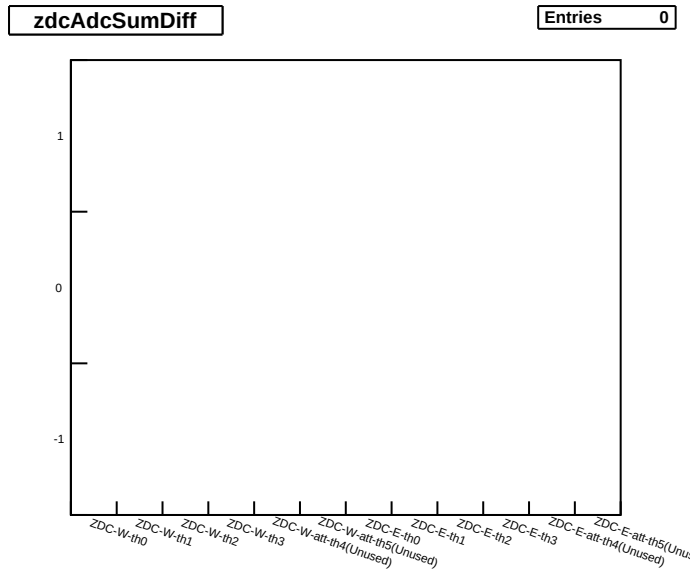

zdcEastTac
Entries 258328

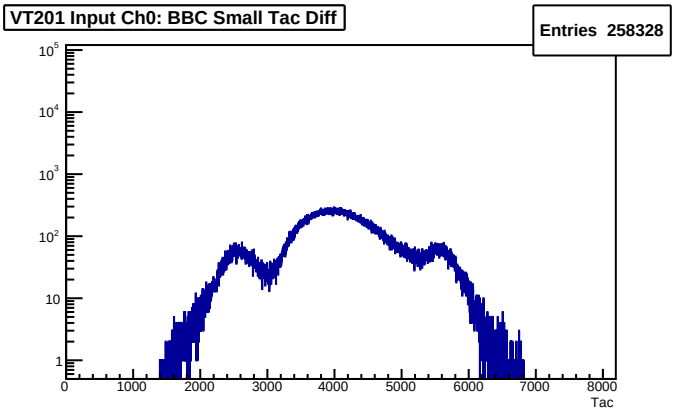

zdcEastTacVsSimu
Entries 1083
Data
Simu

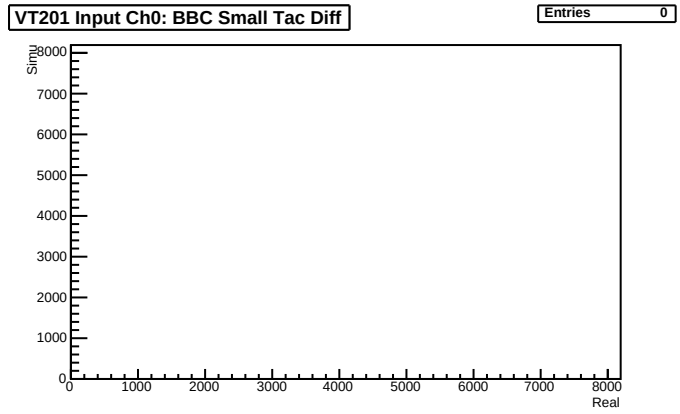

zdcWestTac
Entries 258328

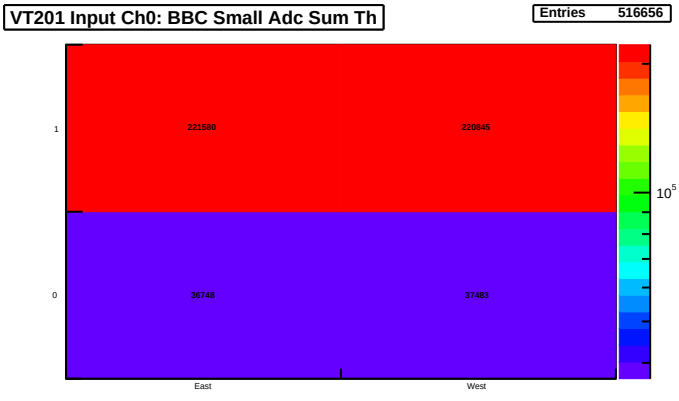

zdcWestTacVsSimu
Entries 1823
Data
Simu

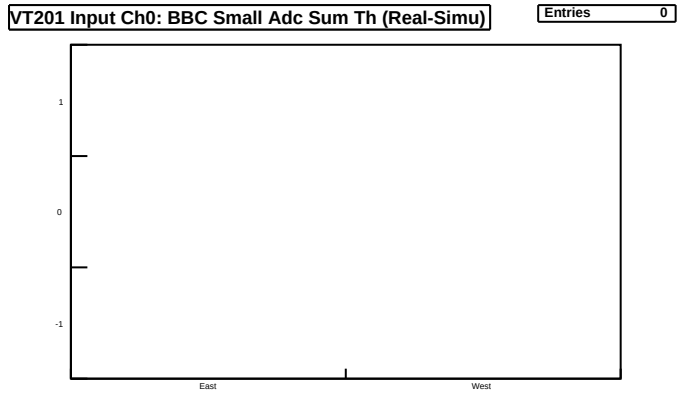

zdcAdcSum
Entries 3099936
30763
4389
28
25
15
9
63774
4989
77
65
48
43
227565
253839
258300
258303
258313
258319
194554
253339
256251
258263
258280
258285
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

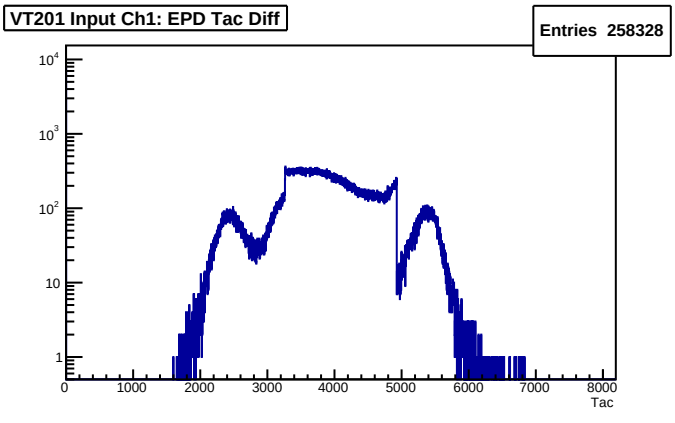

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

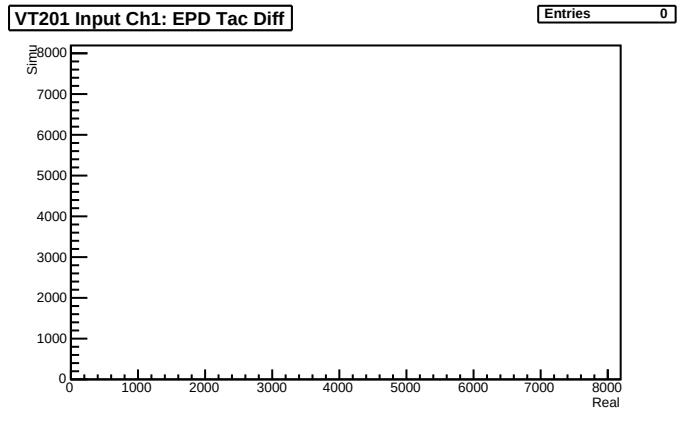

VT201 Input Ch0: BBC Small Tac Diff
Entries 258328
Tac

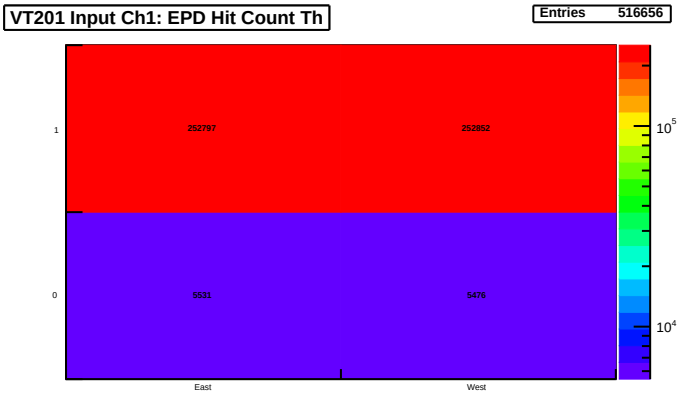

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

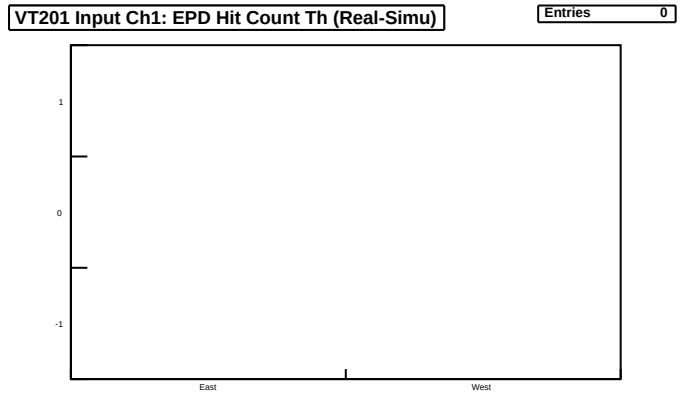

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 516656
221580
220845
36748
37483
East
West

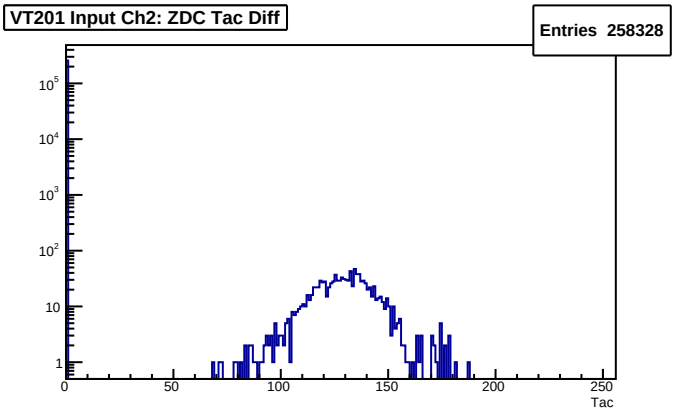

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

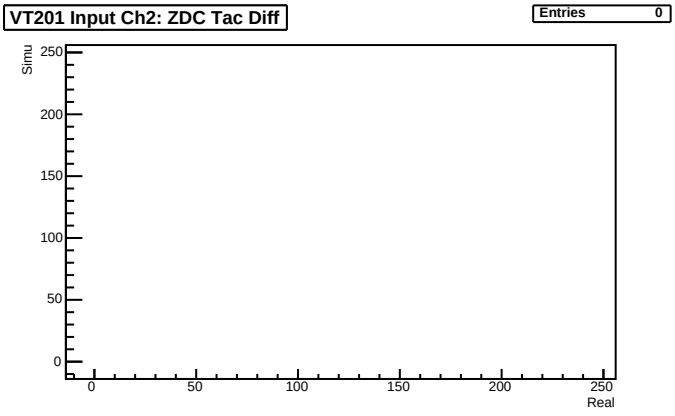

VT201 Input Ch1: EPD Tac Diff
Entries 258328
Tac

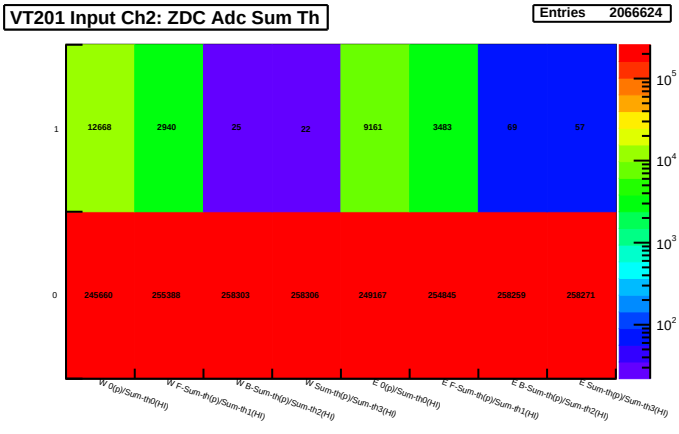

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

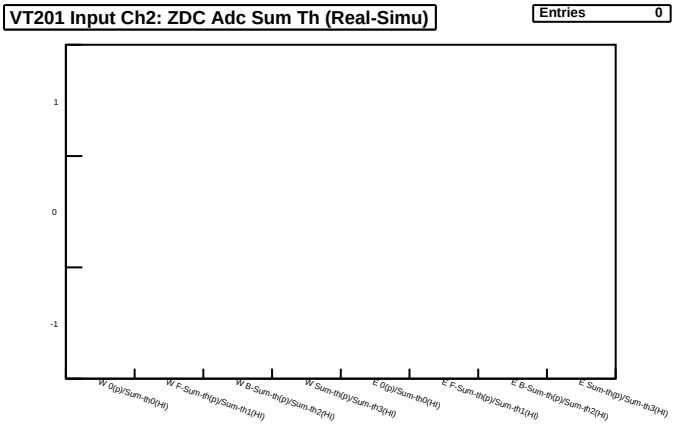

VT201 Input Ch1: EPD Hit Count Th
Entries 516656
252797
252852
5531
5476
East
West

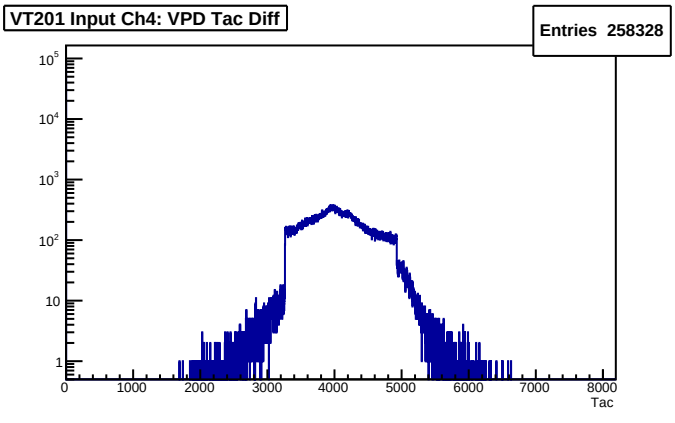

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

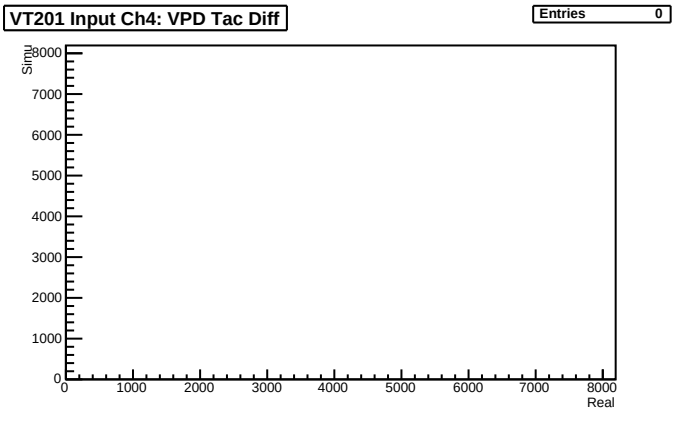

VT201 Input Ch2: ZDC Tac Diff
Entries 258328
Tac

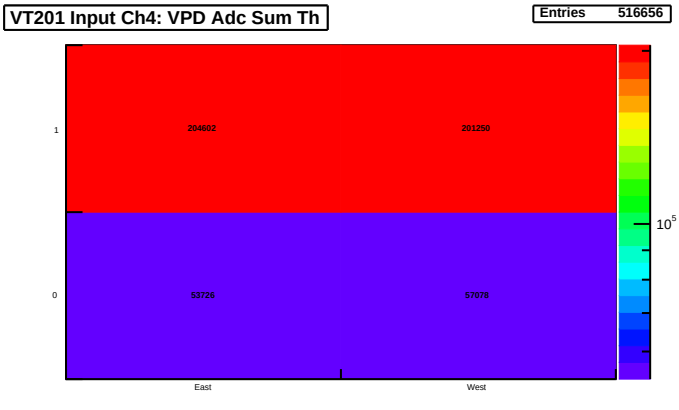

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

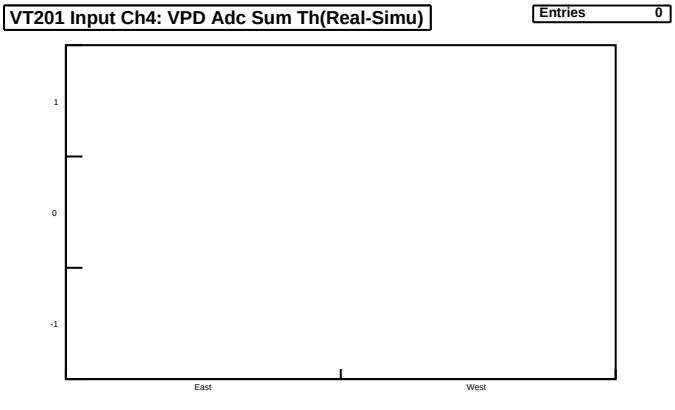

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2066624
12668
2940
25
22
9161
3483
69
57
245660
255388
258303
258306
249167
254845
258259
258271
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

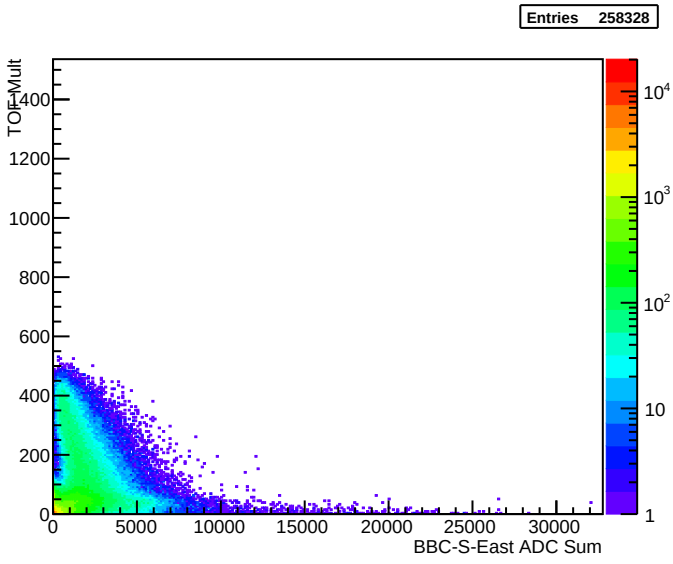

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

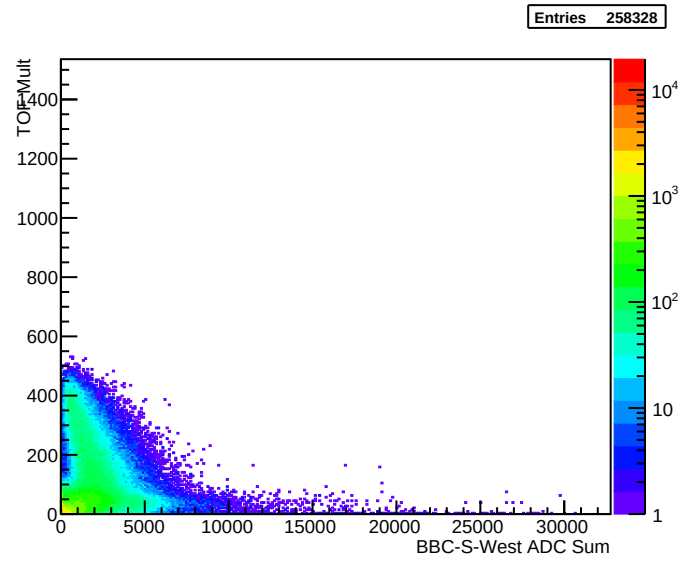

VT201 Input Ch4: VPD Tac Diff
Entries 258328
Tac

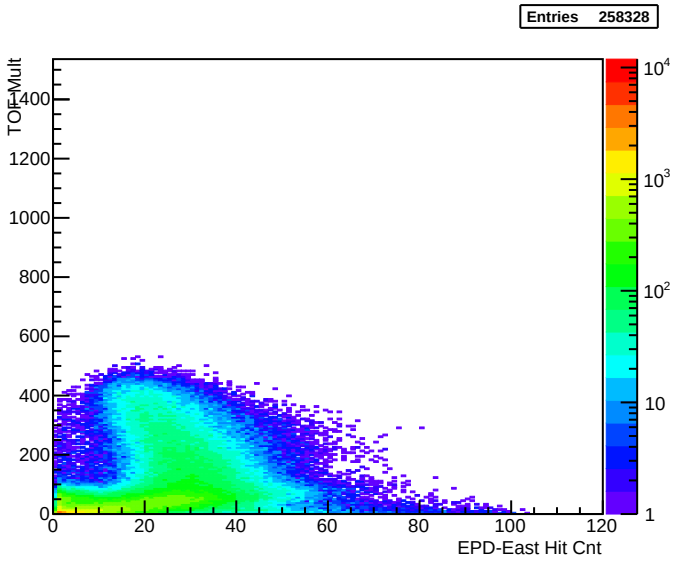

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

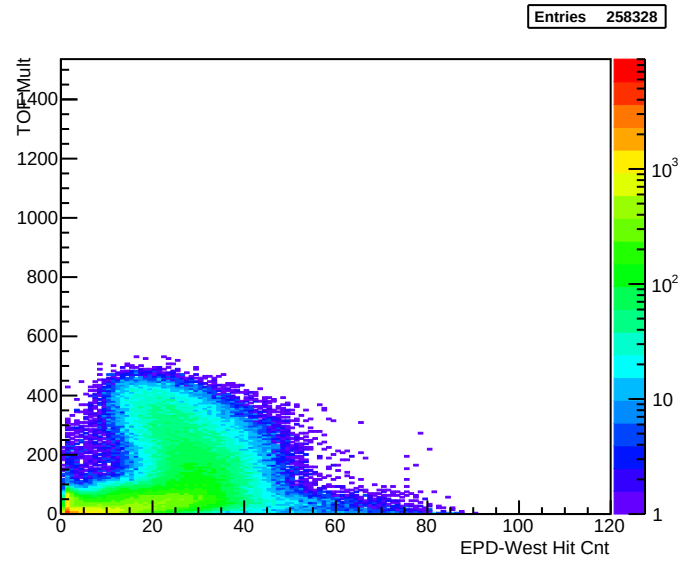

VT201 Input Ch4: VPD Adc Sum Th
Entries 516656
204602
201250
53726
57078
East
West

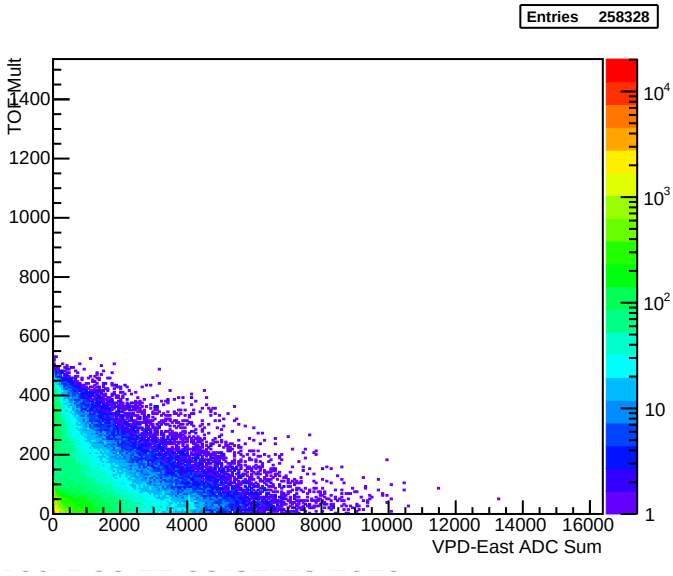

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

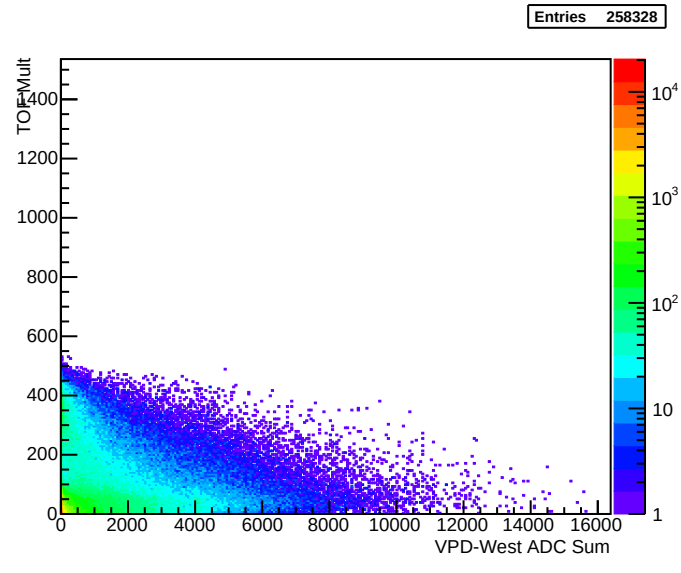

Entries 258328
TOF-Mult
BBC-S-East ADC Sum

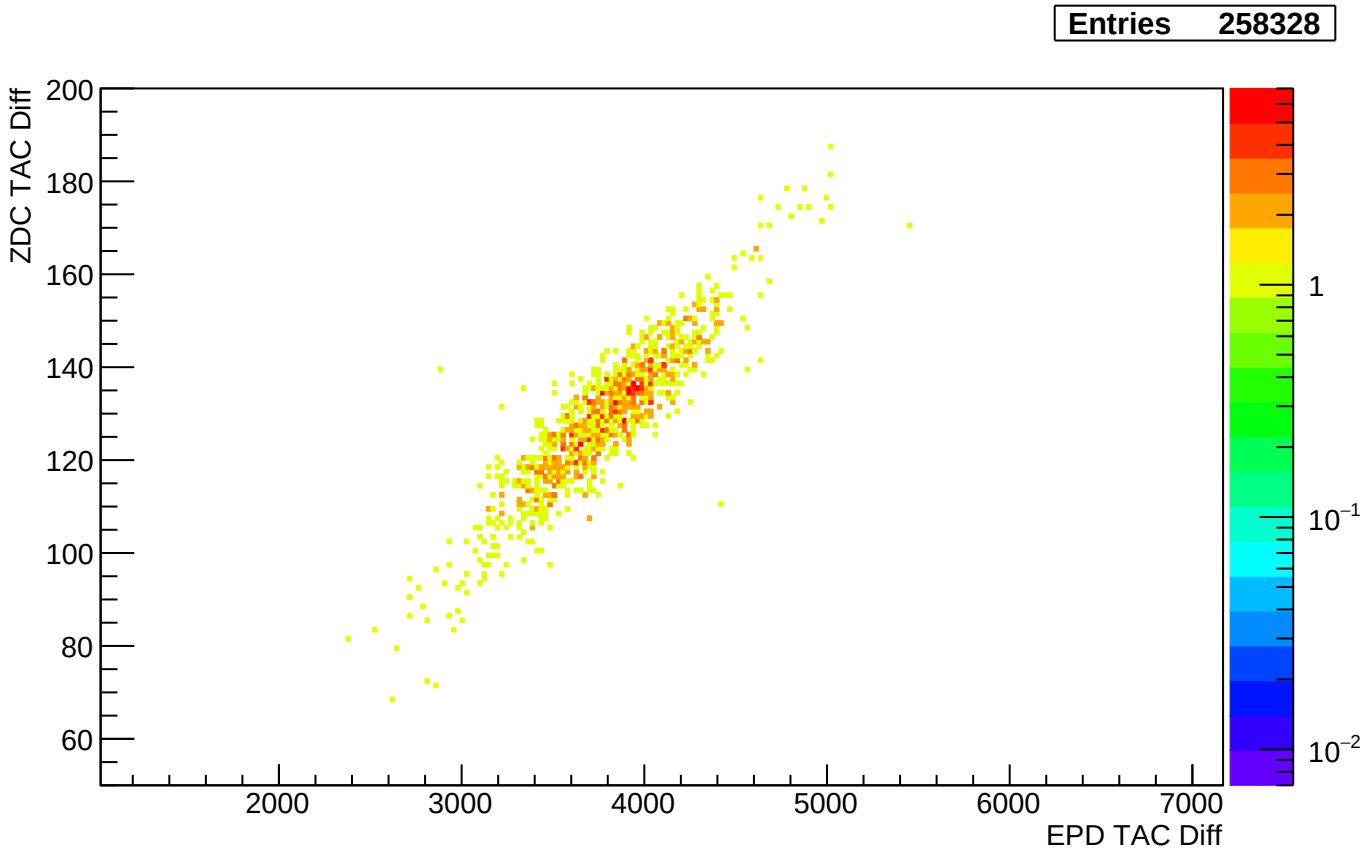

Entries 258328
TOF-Mult
BBC-S-West ADC Sum

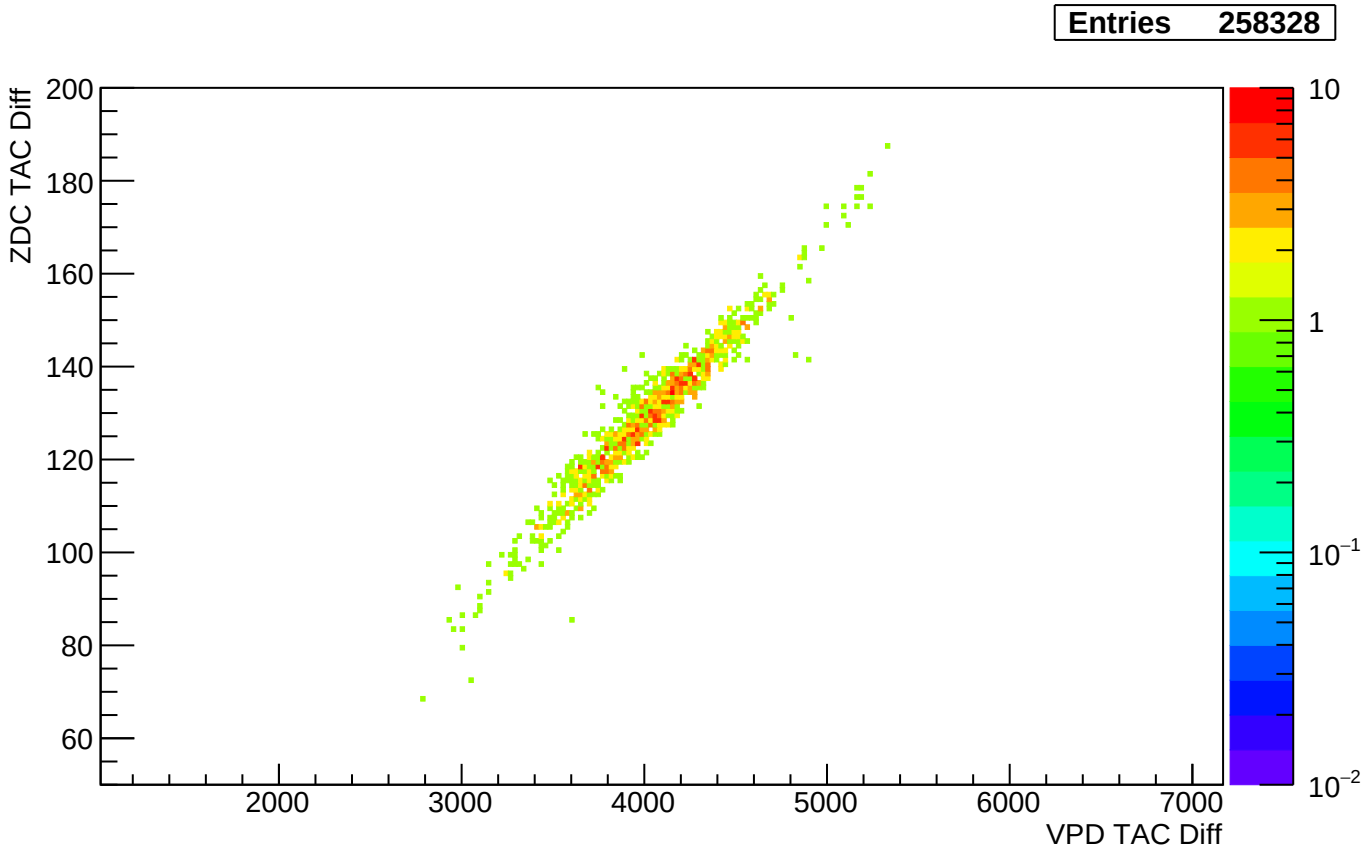

Entries 258328
TOF-Mult
EPD-East Hit Cnt

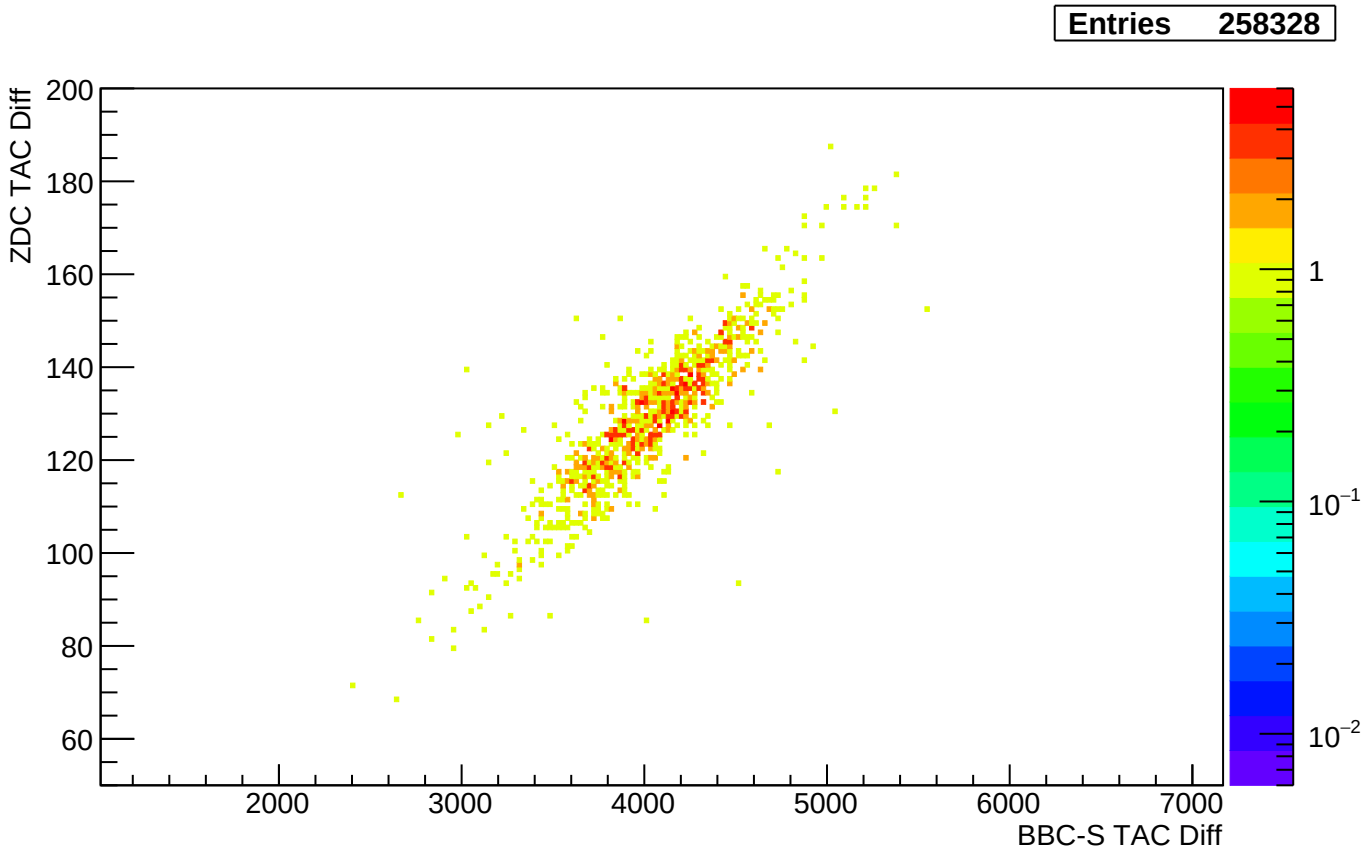

Entries 258328
TOF-Mult
EPD-West Hit Cnt

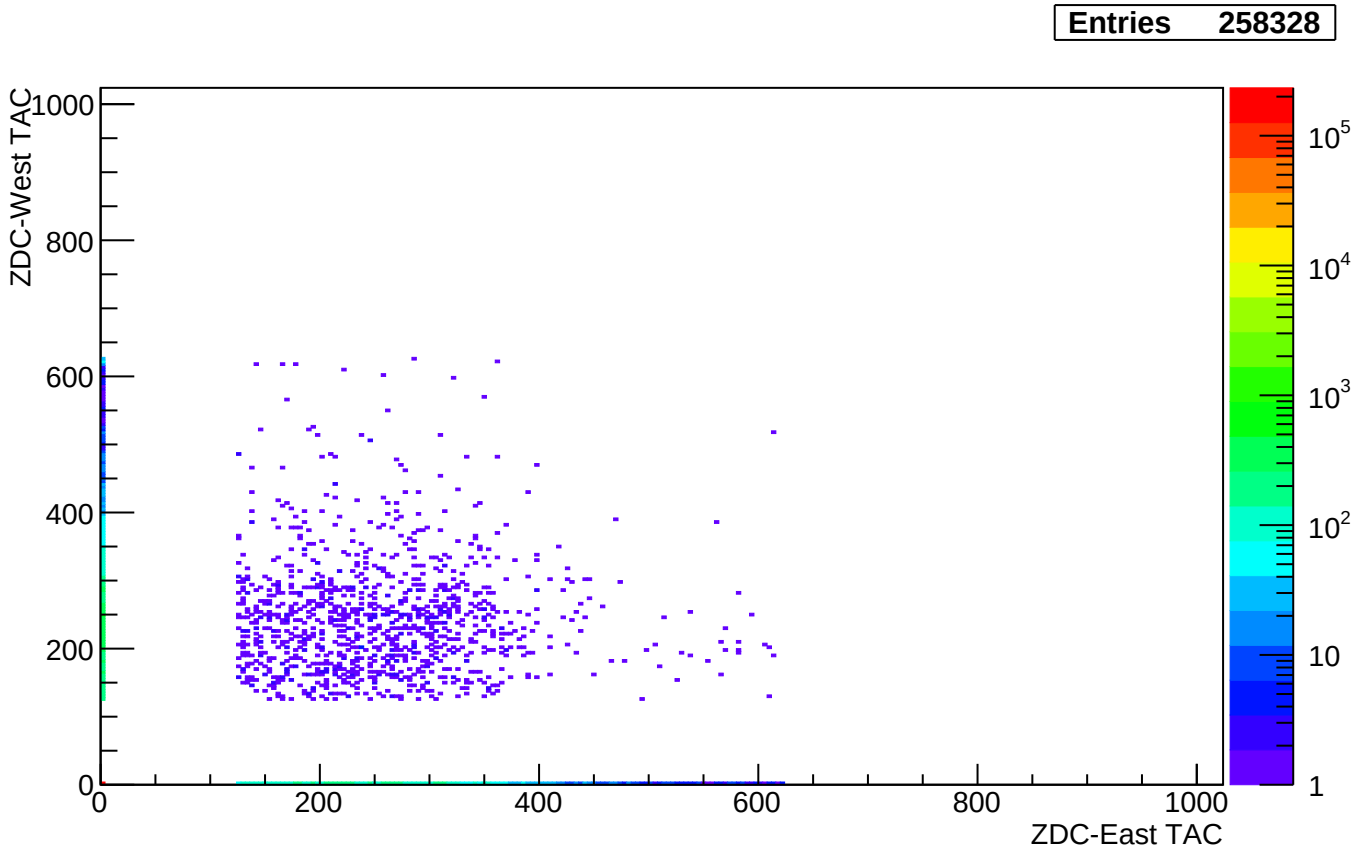

Entries 258328
TOF-Mult
VPD-East ADC Sum

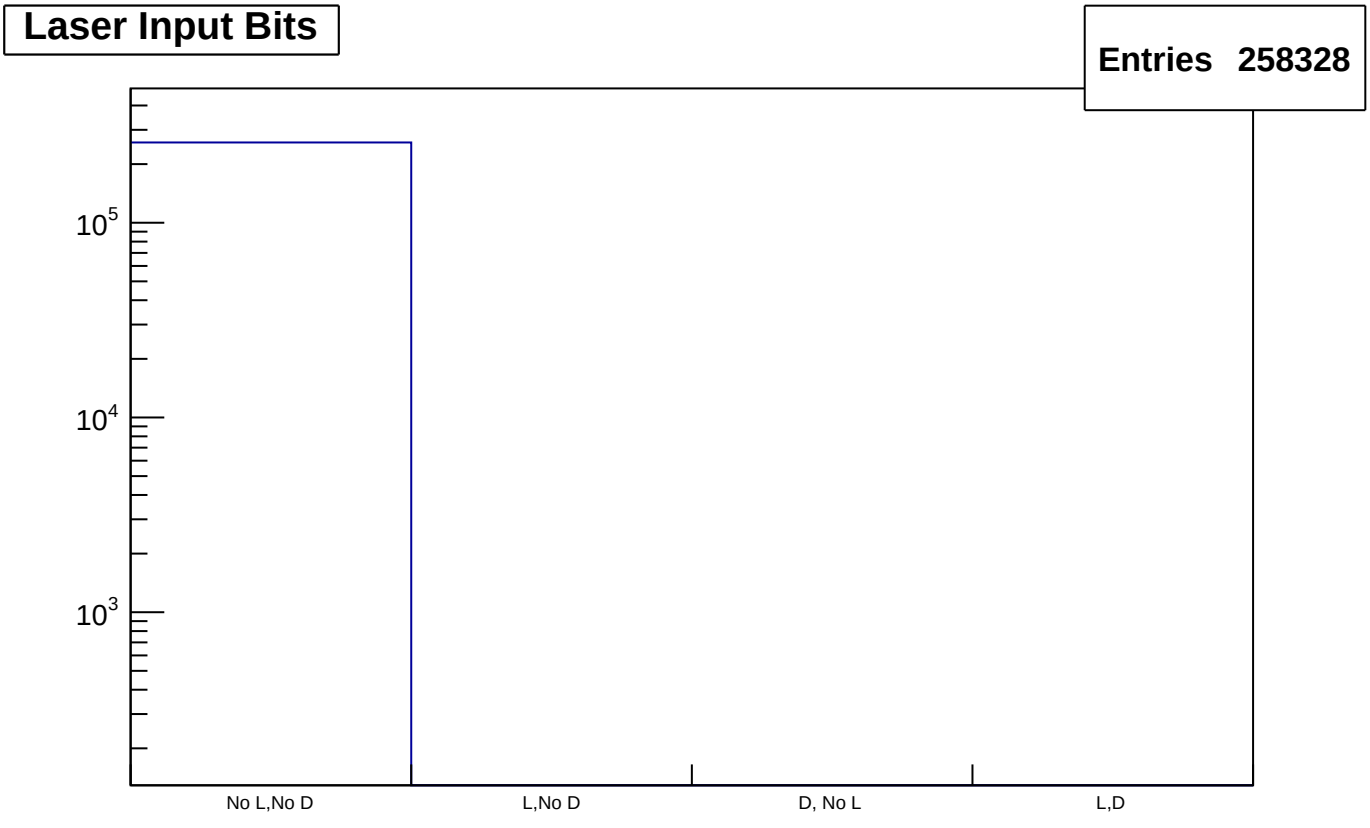

Entries 258328
TOF-Mult
VPD-West ADC Sum

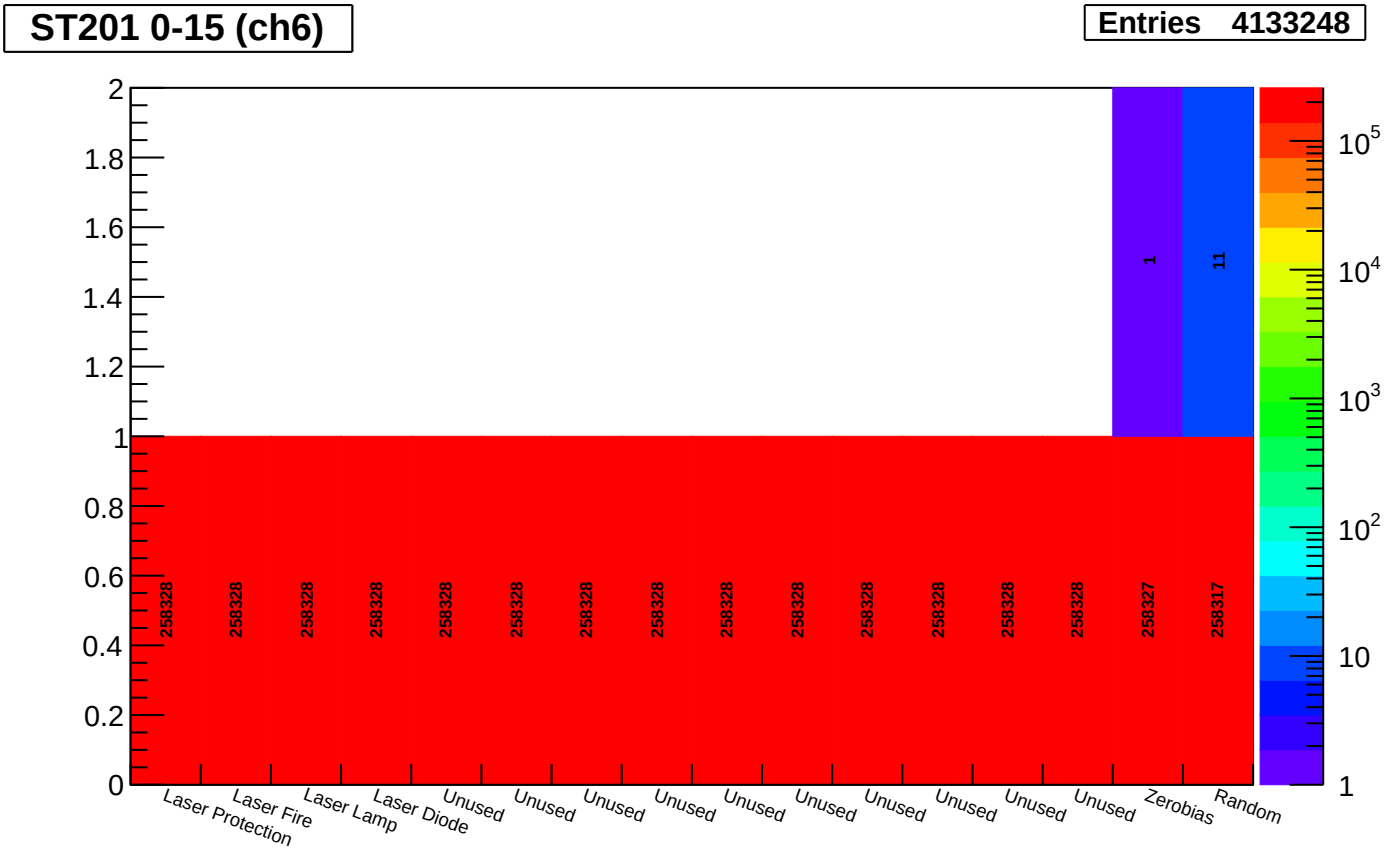

Entries 258328
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

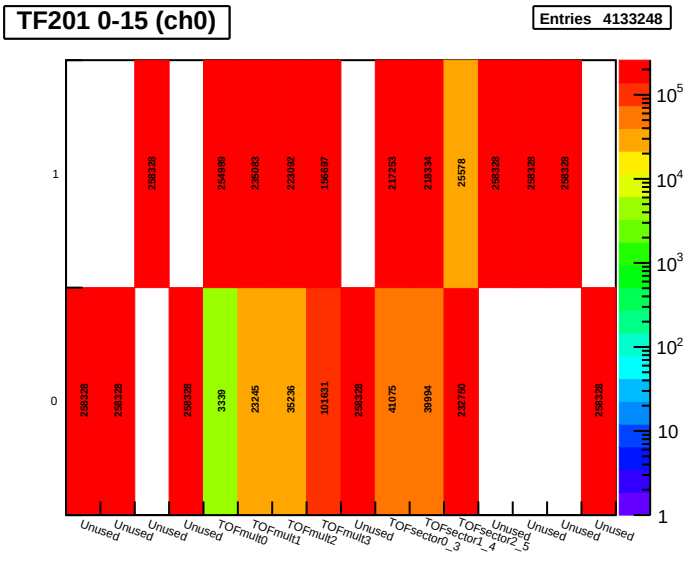

Entries 258328
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10
1
10^{-1}
10^{-2}

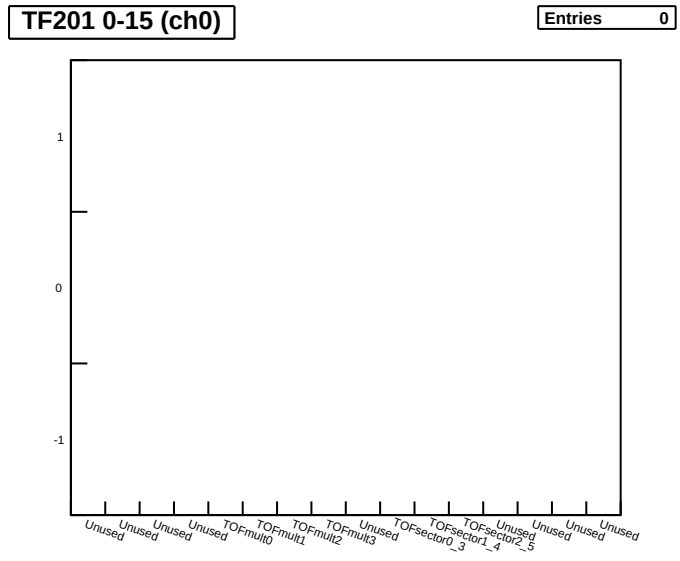

Entries 258328
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

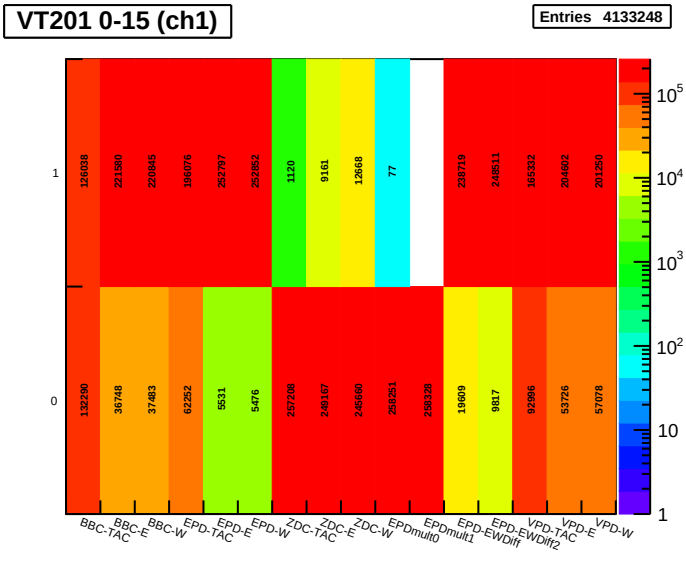

Entries 258328
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

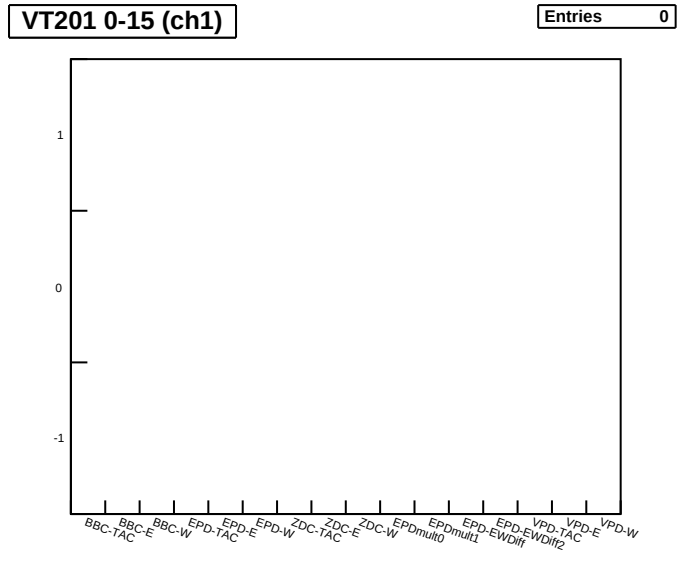

Laser Input Bits
Entries 258328
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

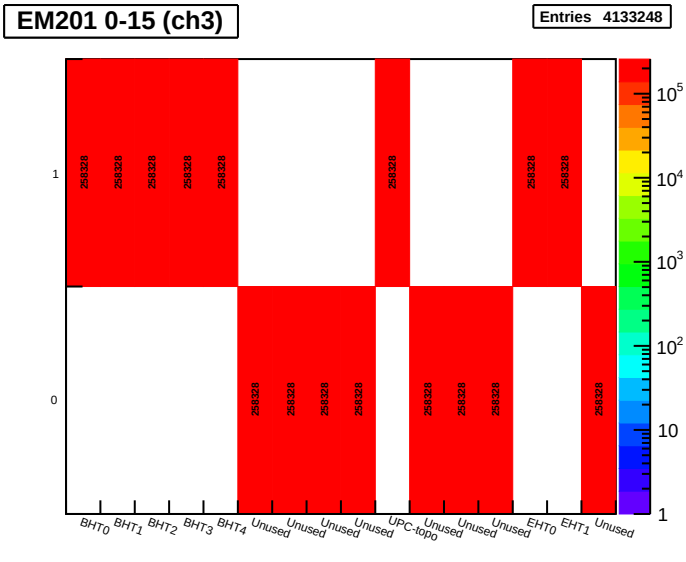

ST201 0-15 (ch6)
Entries 4133248
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
258328
258328
258328
258328
258328
258328
258328
258328
258328
258328
258328
258328
258328
258328
258327
258317
1
11
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

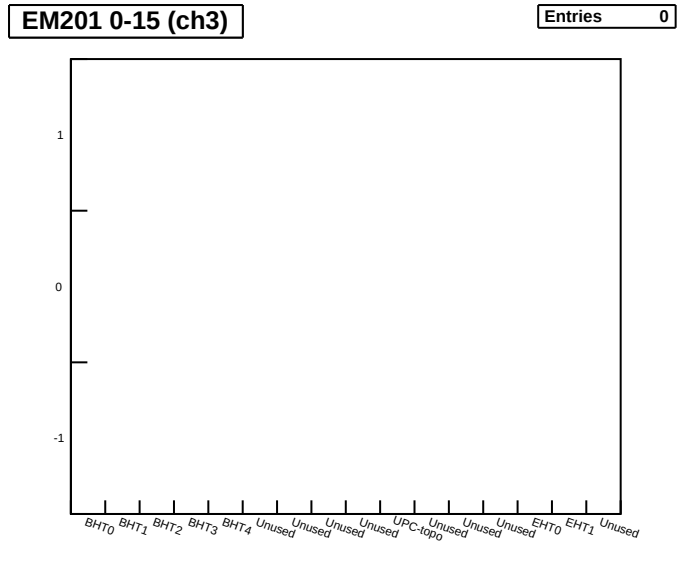

TF201 0-15 (ch0)
Entries 4133248
1
0
258328 254989 235083 223092 156697 217253 218334 25578 258328 258328 258328
258328 258328 258328 3339 23245 35236 101631 258328 41075 39994 232750 258328
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
1 10 10^2 10^3 10^4 10^5


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 Unused


VT201 0-15 (ch1)
Entries 4133248
1
0
126038 221580 220845 196076 252797 252852 1120 9161 12668 77 238719 248511 165332 204602 201250
132290 36748 37483 62252 5531 5476 257208 249167 245660 258251 258328 19609 9817 92996 53726 57078
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
1 10 10^2 10^3 10^4 10^5


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 4133248
1
0
258328 258328 258328 258328 258328 258328 258328 258328 258328
258328 258328 258328 258328 258328 258328 258328 258328
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1 10 10^2 10^3 10^4 10^5


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