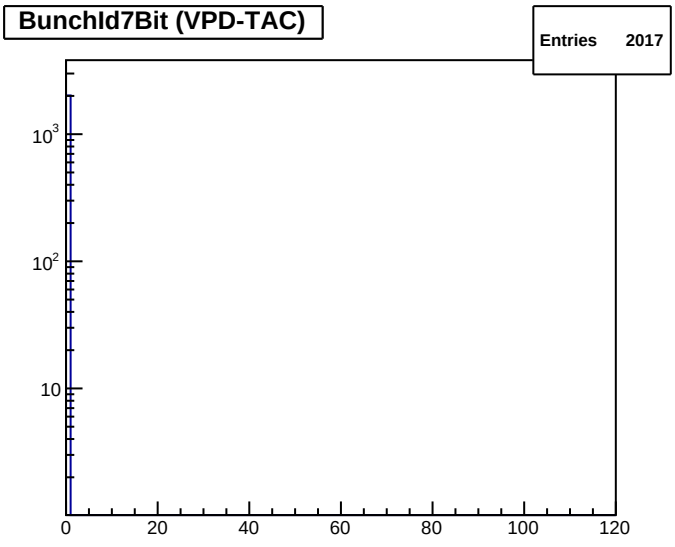
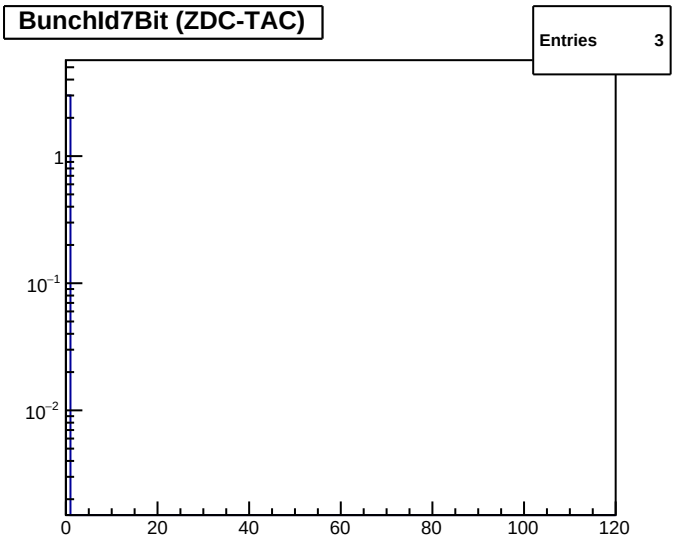
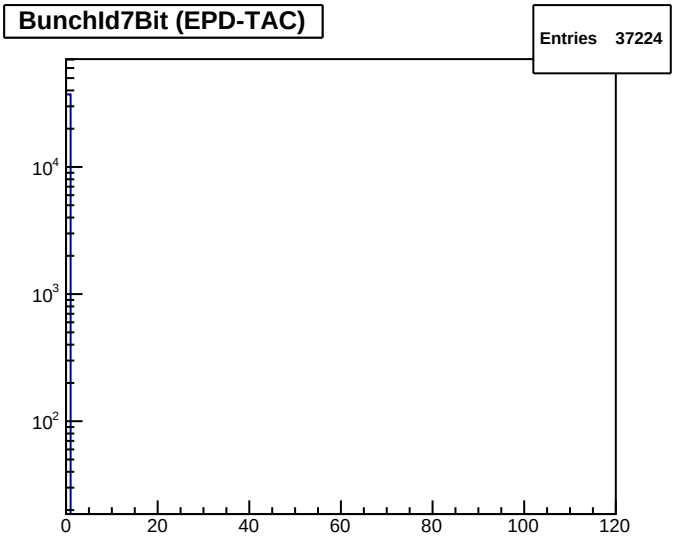
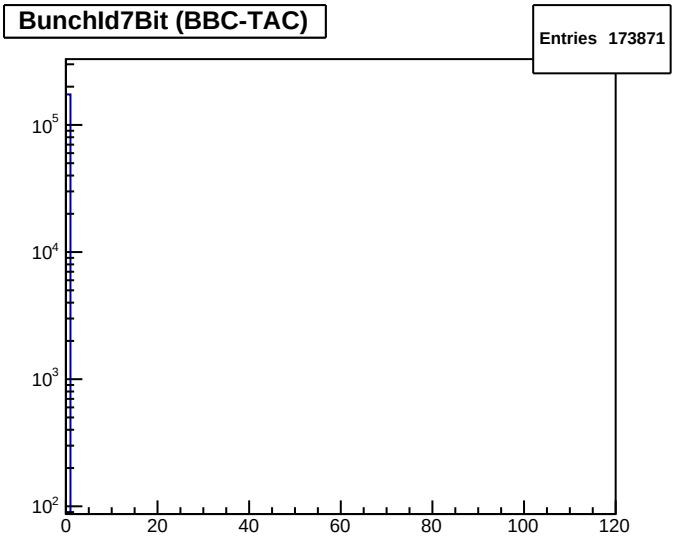
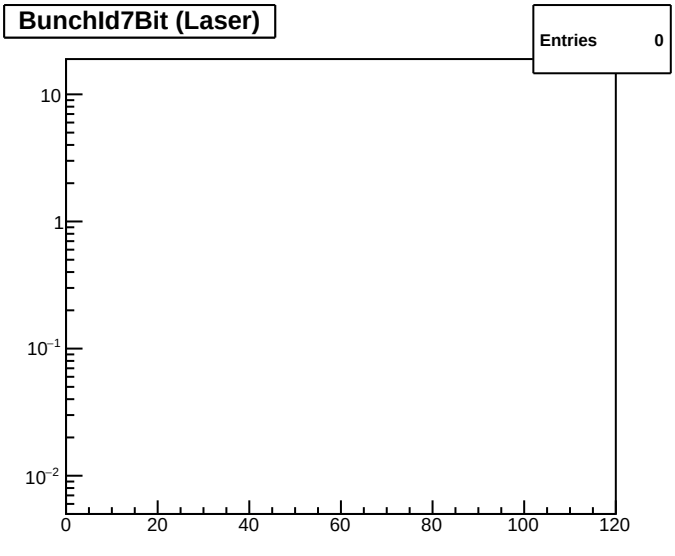
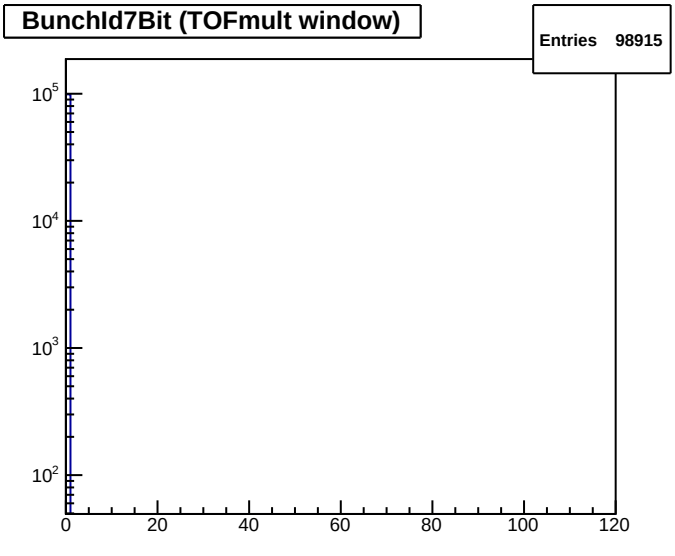

BunchId7Bit (VPD-TAC)
Entries 2017
10^3
10^2
10
0 20 40 60 80 100 120

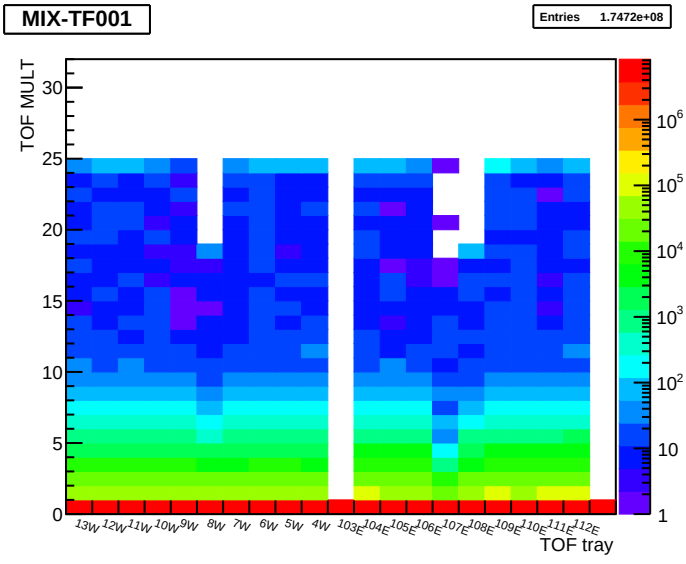

BunchId7Bit (ZDC-TAC)
Entries 3
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

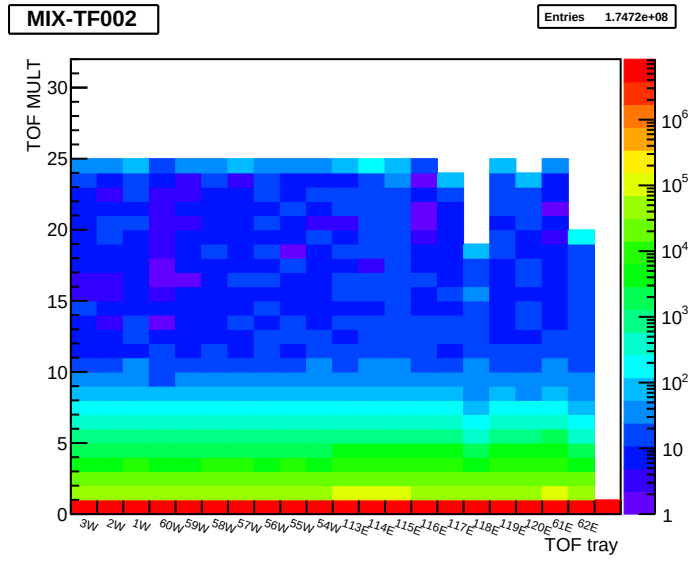

BunchId7Bit (EPD-TAC)
Entries 37224
10^4
10^3
10^2
0 20 40 60 80 100 120

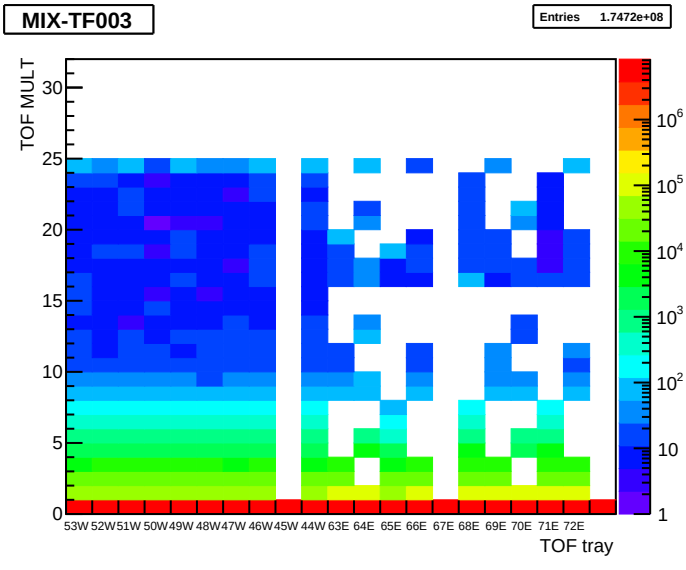

BunchId7Bit (BBC-TAC)
Entries 173871
10^5
10^4
10^3
10^2
0 20 40 60 80 100 120

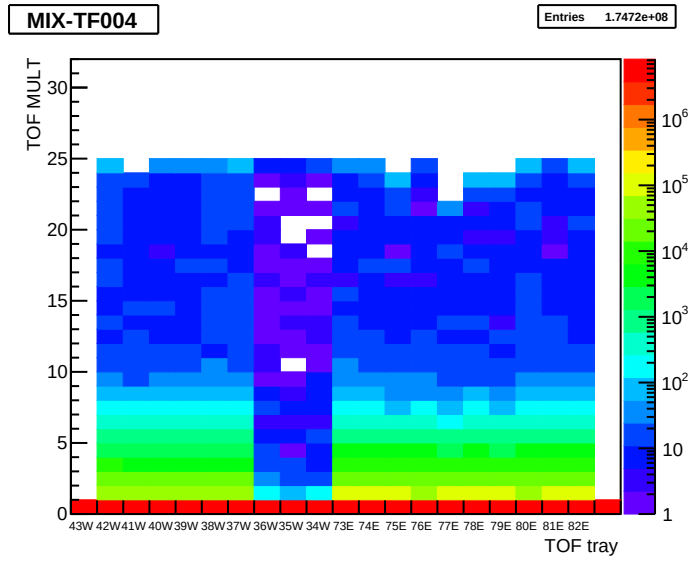

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

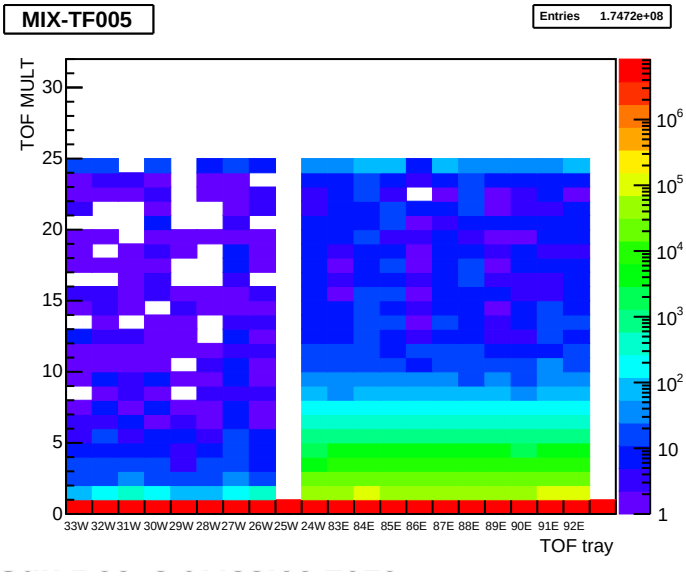

BunchId7Bit (TOFmult window)
Entries 98915
10^5
10^4
10^3
10^2
0 20 40 60 80 100 120

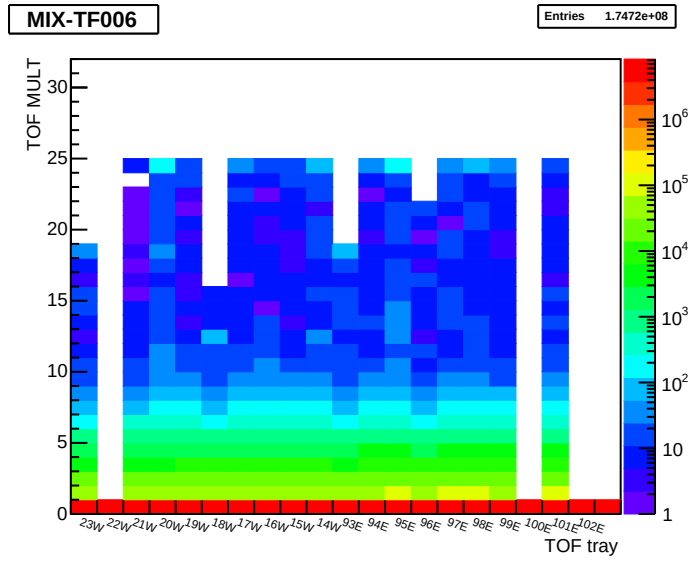

MIX-TF001
Entries 1.7472e+08
TOF MULT
TOF tray

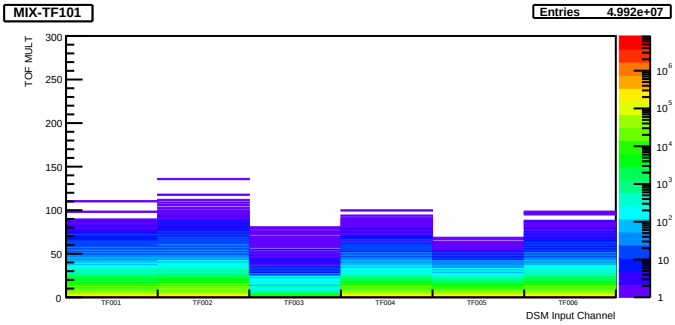

MIX-TF002
Entries 1.7472e+08
TOF MULT
TOF tray

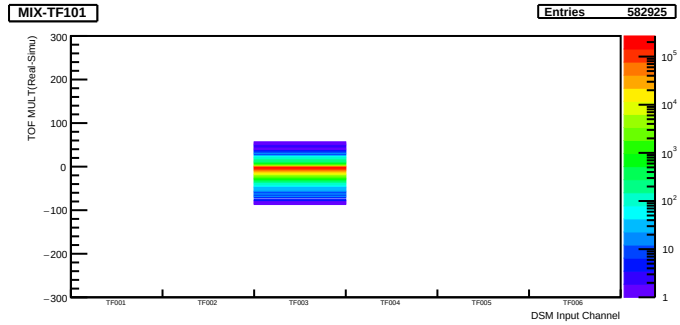

MIX-TF003
Entries 1.7472e+08
TOF MULT
TOF tray

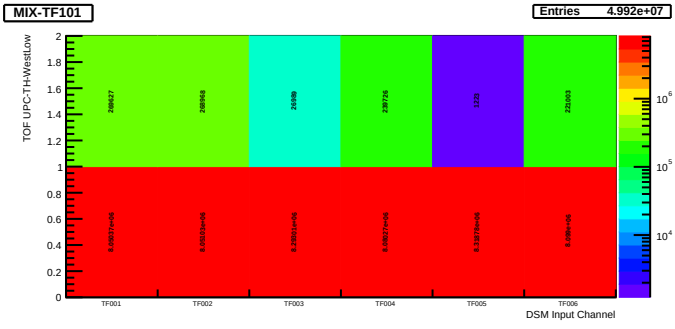

MIX-TF004
Entries 1.7472e+08
TOF MULT
TOF tray

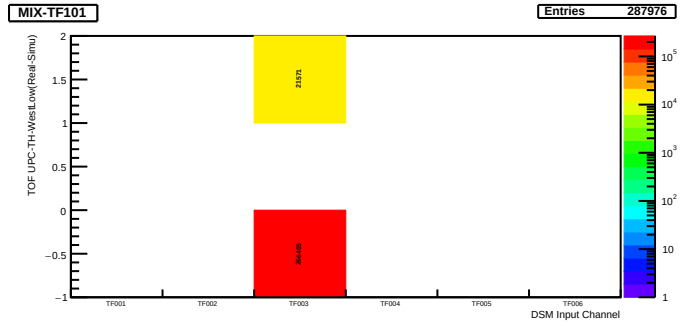

MIX-TF005
Entries 1.7472e+08
TOF MULT
TOF tray

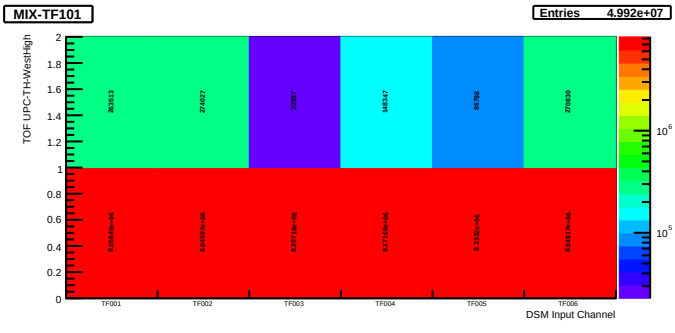

MIX-TF006
Entries 1.7472e+08
TOF MULT
TOF tray

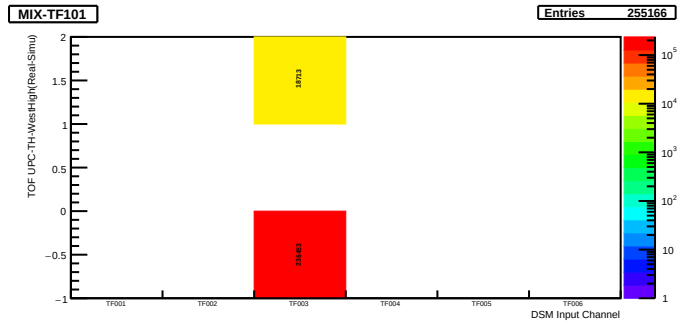

MIX-TF101
Entries 4.992e+07
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

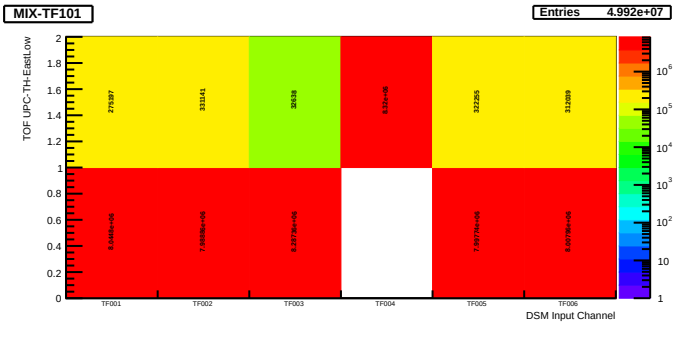

MIX-TF101
Entries 582925
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

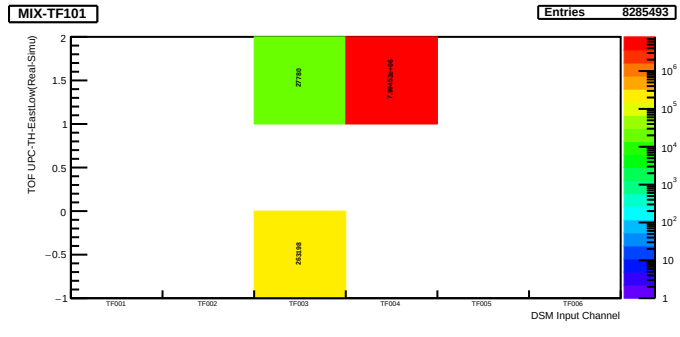

MIX-TF101
Entries 4.992e+07
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

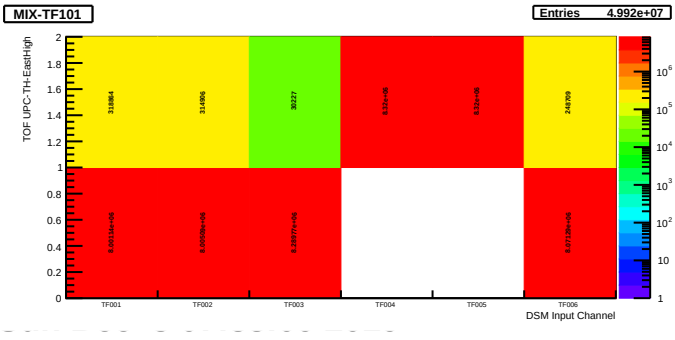

MIX-TF101
Entries 287976
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

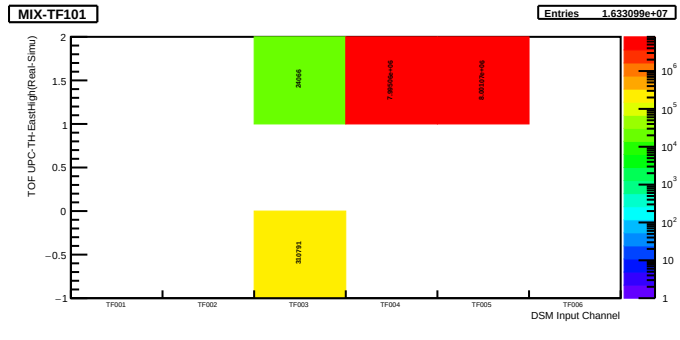

MIX-TF101
Entries 4.992e+07
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

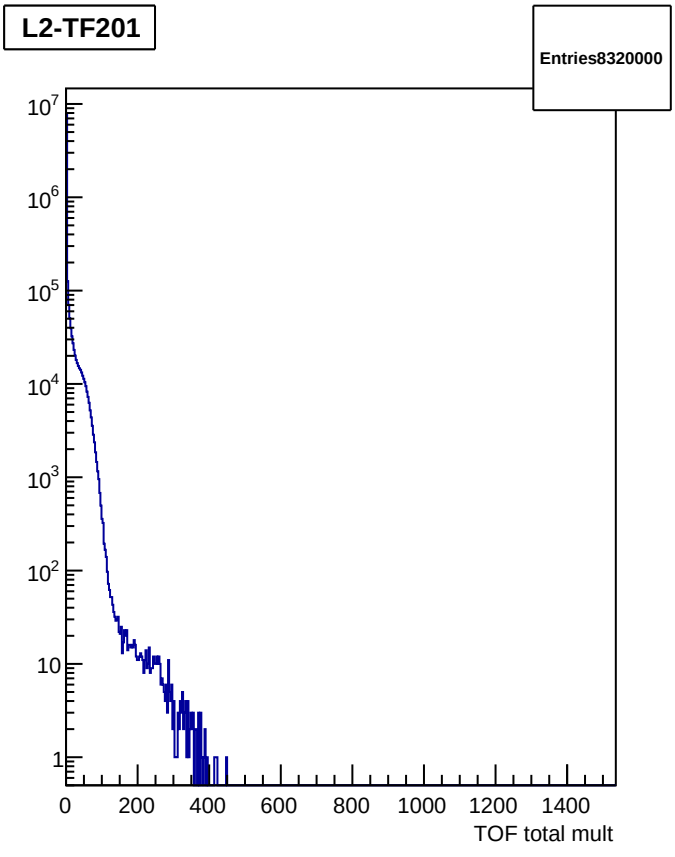

MIX-TF101
Entries 255166
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

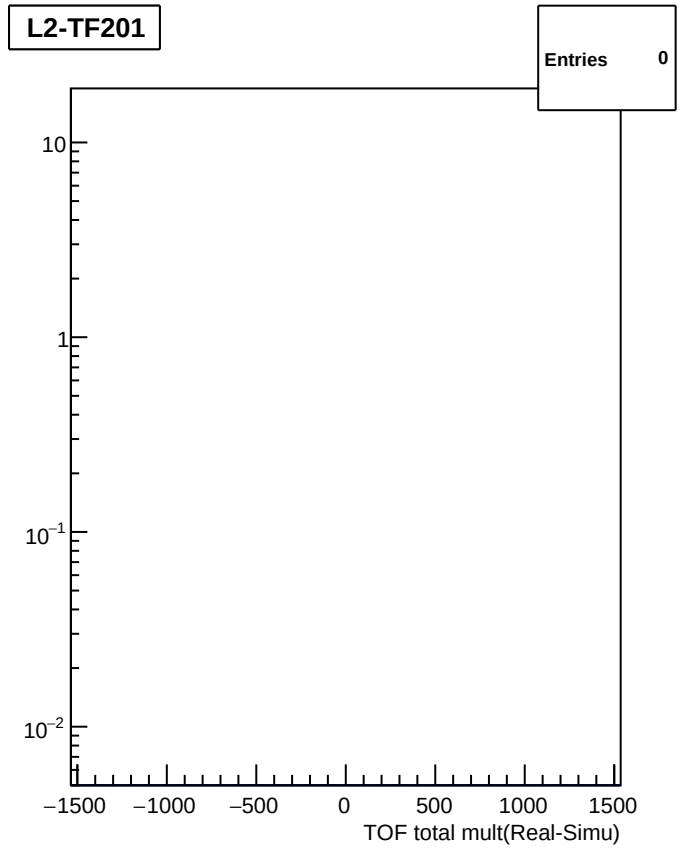

MIX-TF101
Entries 4.992e+07
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

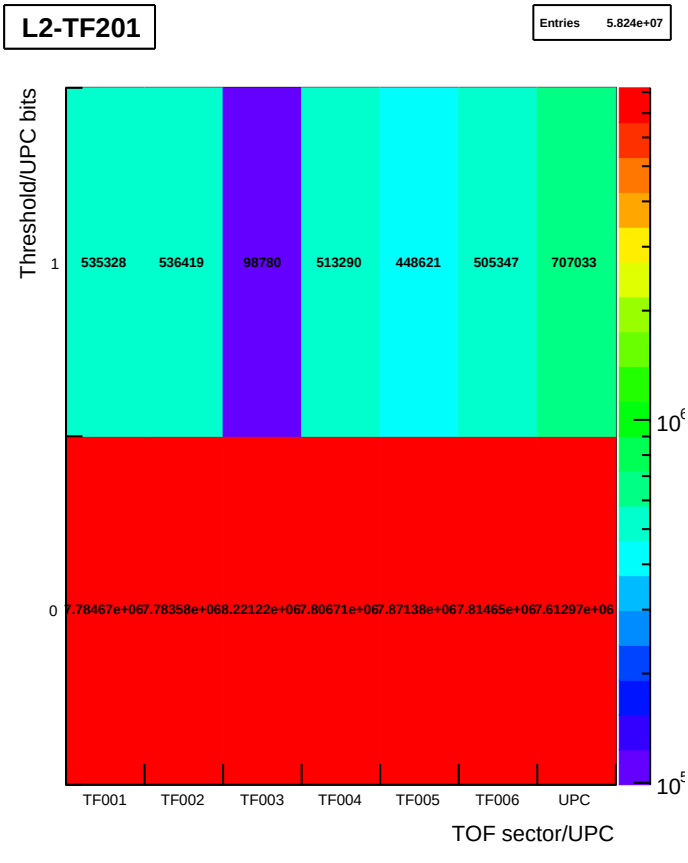

MIX-TF101
Entries 8285493
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

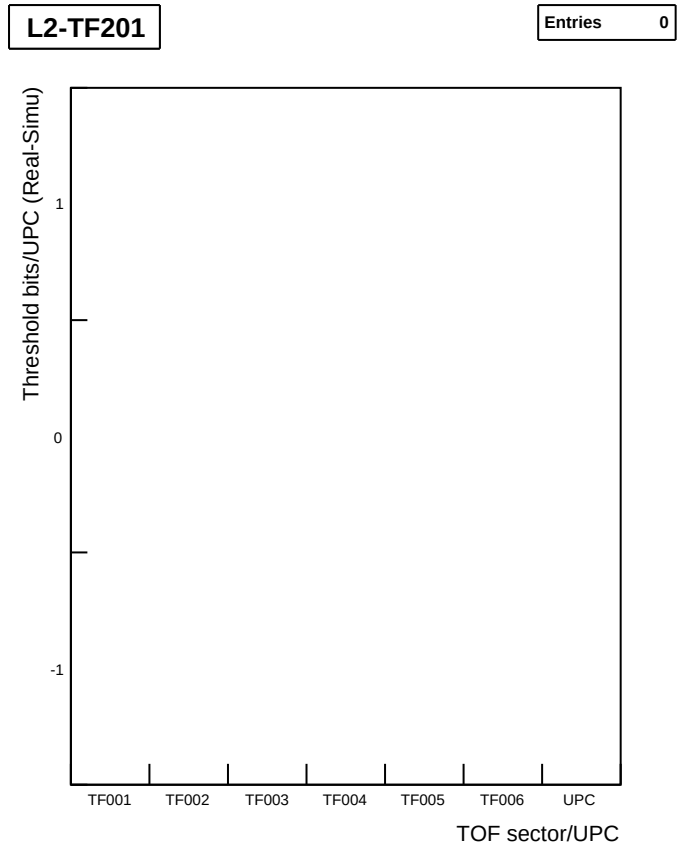

MIX-TF101
Entries 4.992e+07
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

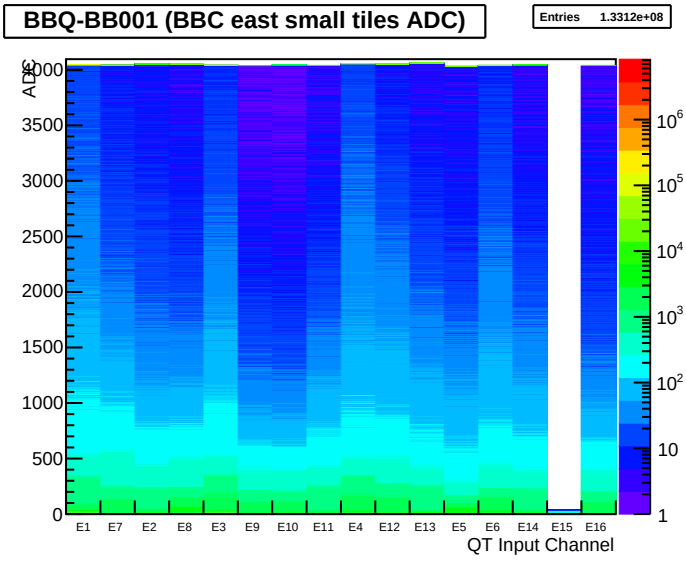

MIX-TF101
Entries 1.633099e+07
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

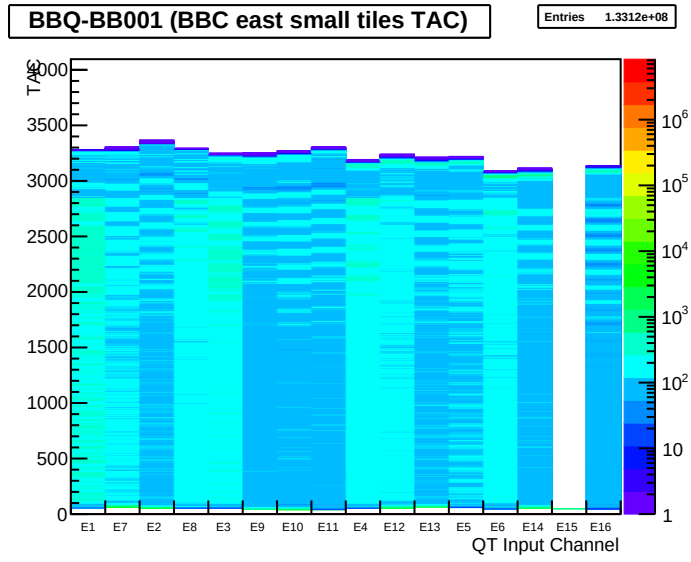

L2-TF201
Entries8320000
TOF total mult

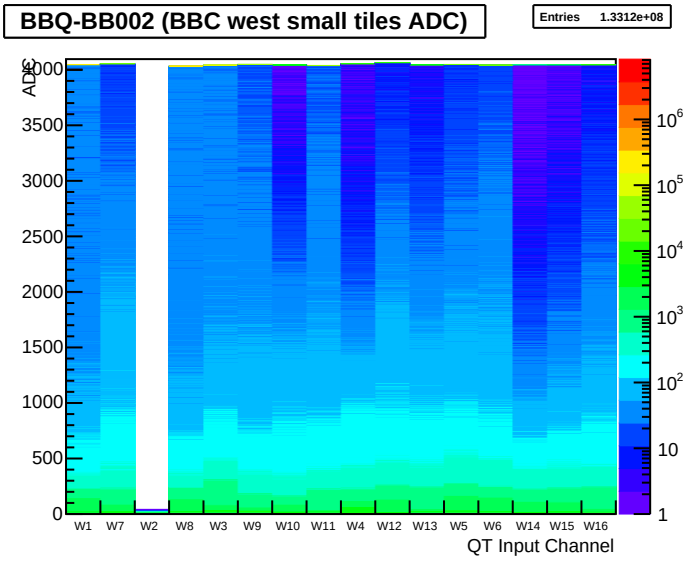

L2-TF201
Entries 0
TOF total mult(Real-Simu)

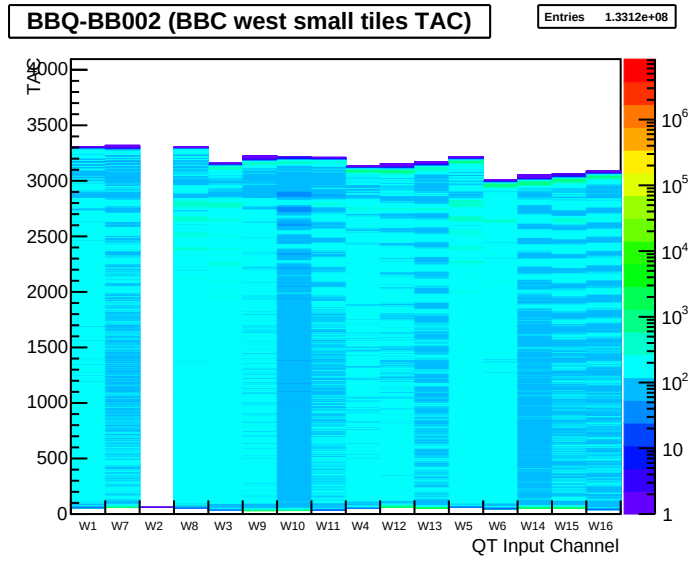

L2-TF201
Entries 5.824e+07
Threshold/UPC bits
535328
536419
98780
513290
448621
505347
707033
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

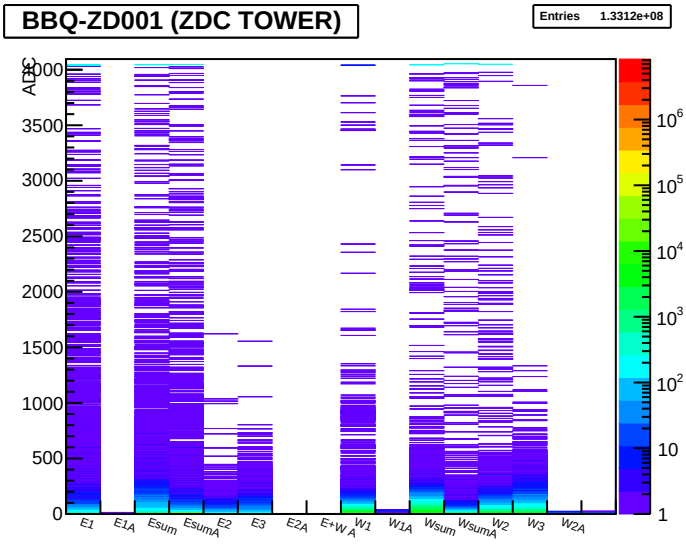

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

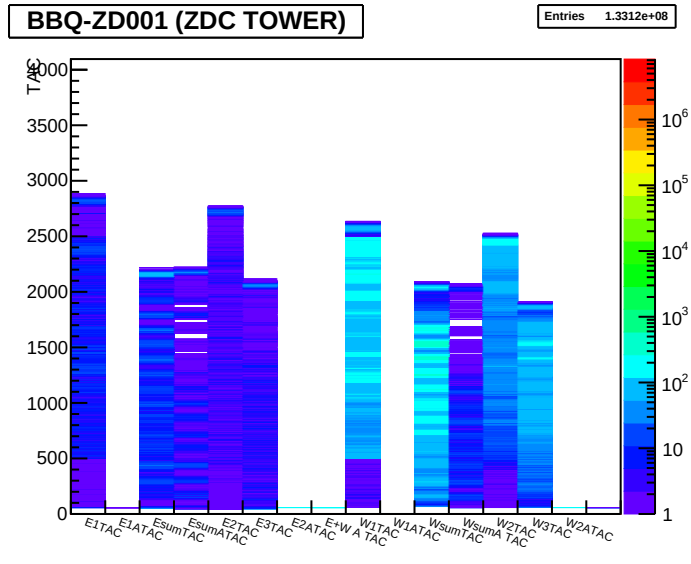

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.3312e+08
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

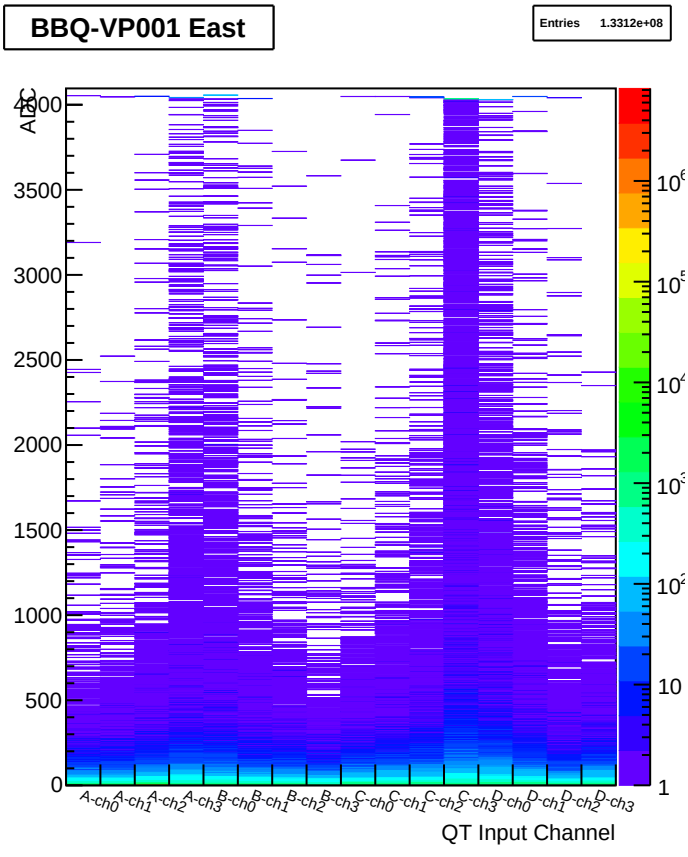

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.3312e+08
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

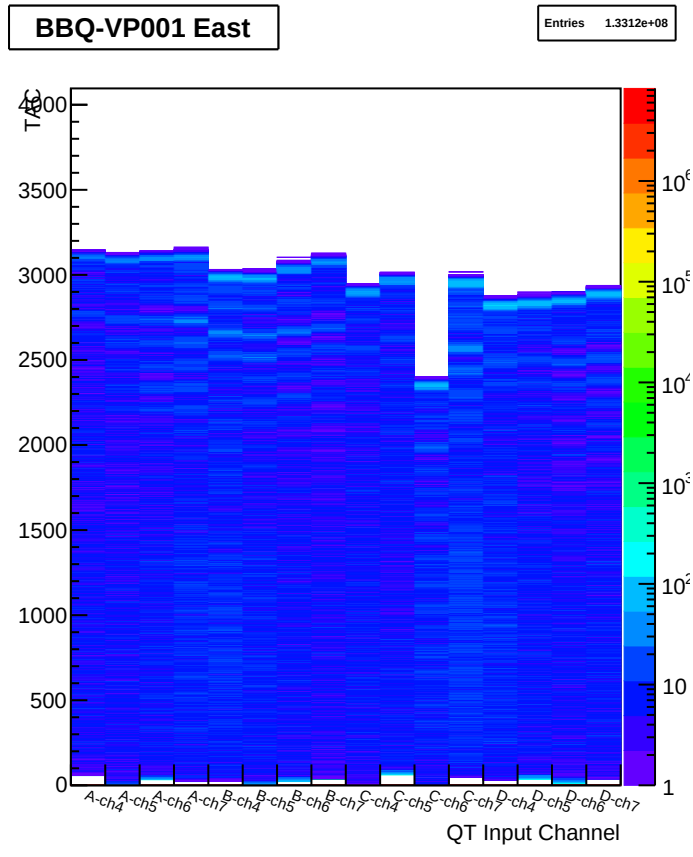

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.3312e+08
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

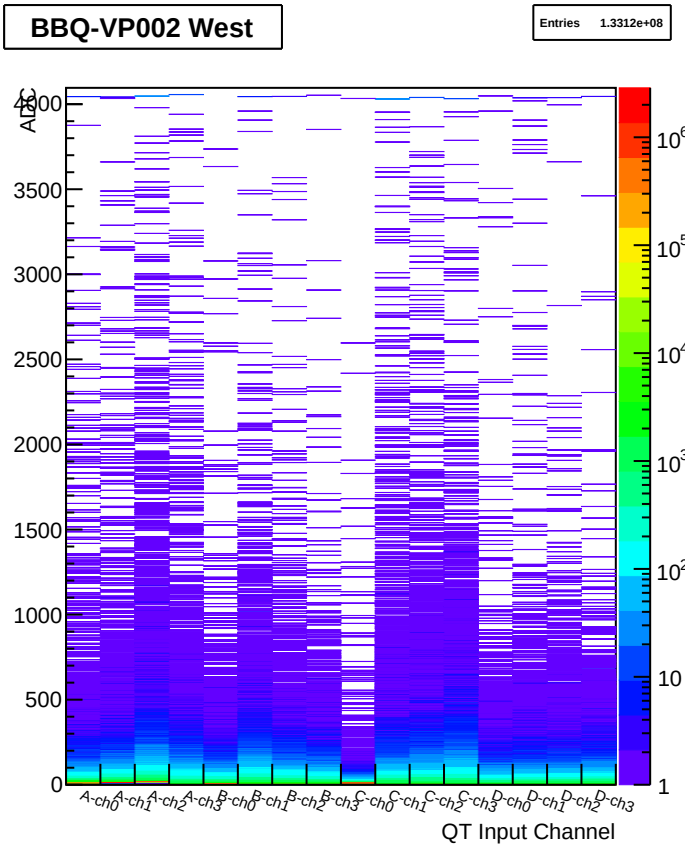

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.3312e+08
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

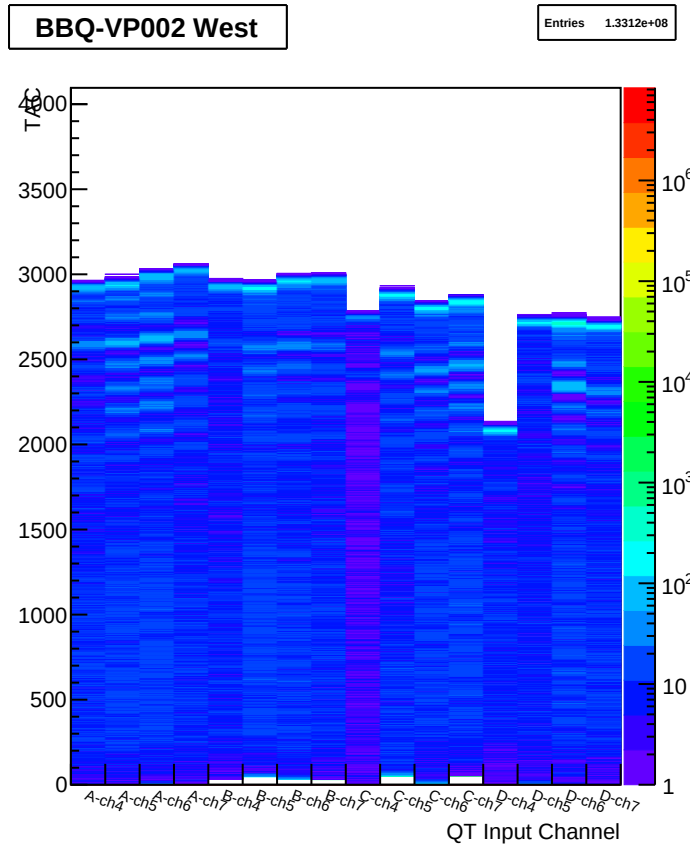

BBQ-ZD001 (ZDC TOWER)
Entries 1.3312e+08
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

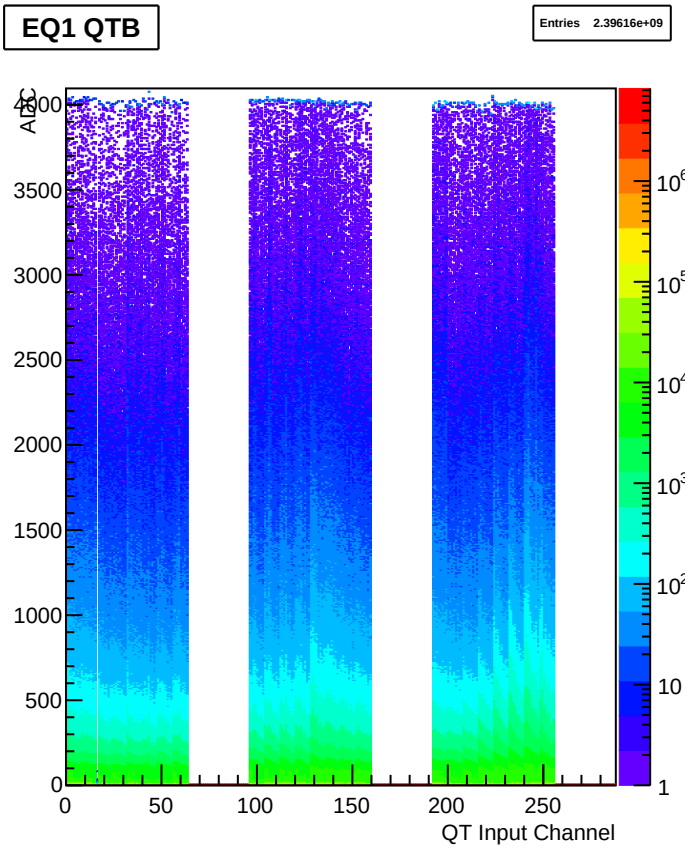

BBQ-ZD001 (ZDC TOWER)
Entries 1.3312e+08
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

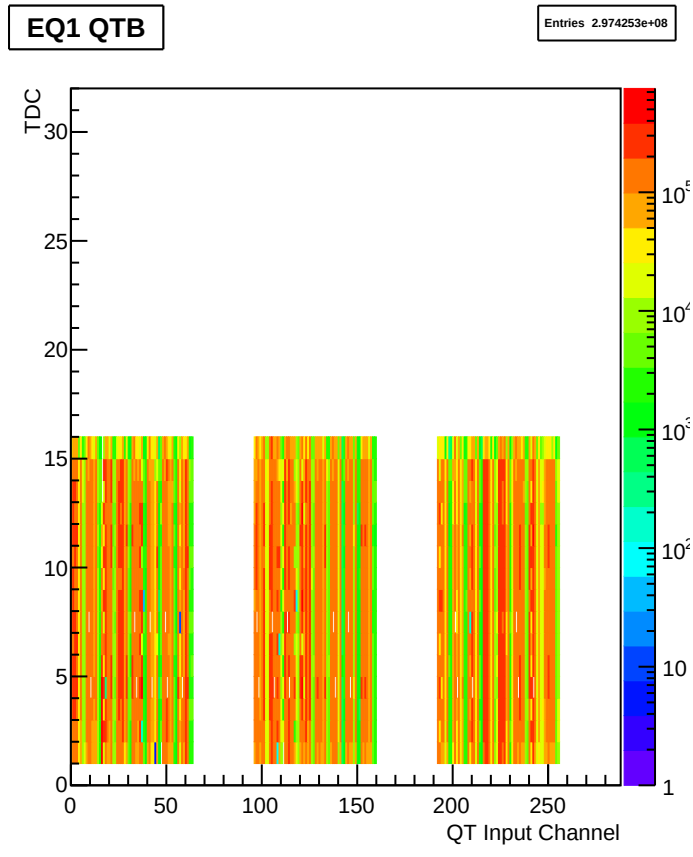

BBQ-VP001 East
Entries 1.3312e+08
ADC
QT Input Channel

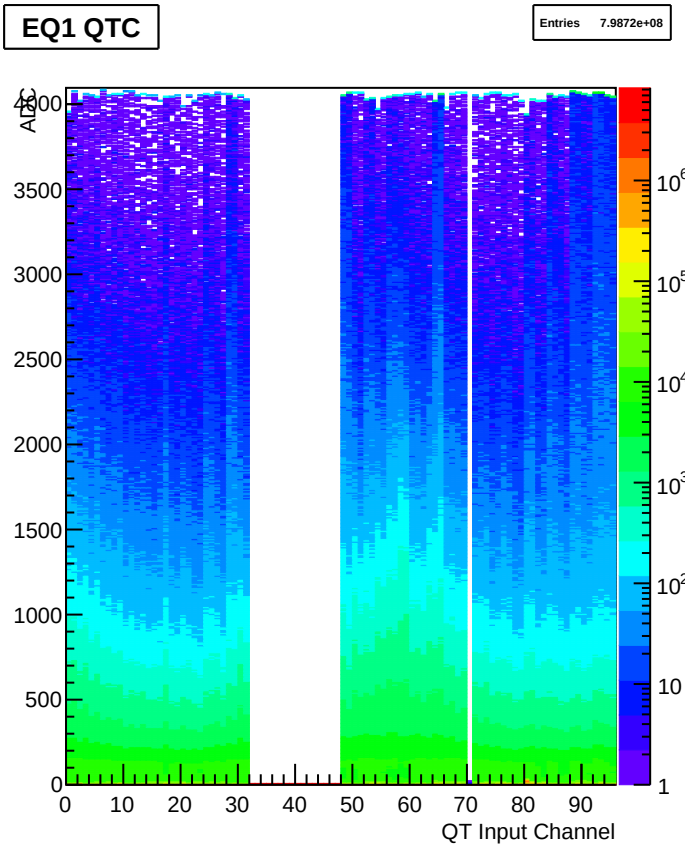

BBQ-VP001 East
Entries 1.3312e+08
TADC
QT Input Channel

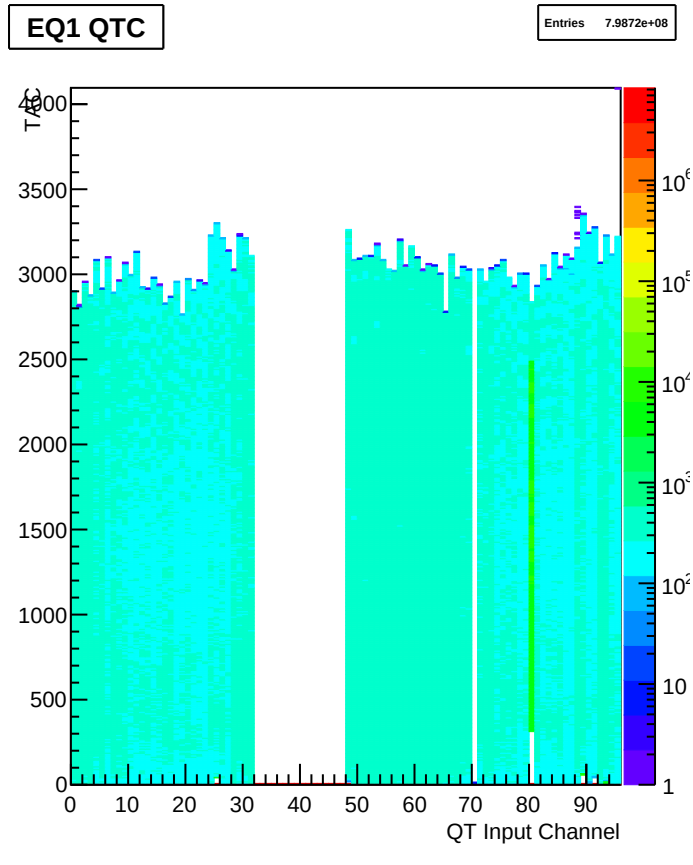

BBQ-VP002 West
Entries 1.3312e+08
ADC
QT Input Channel

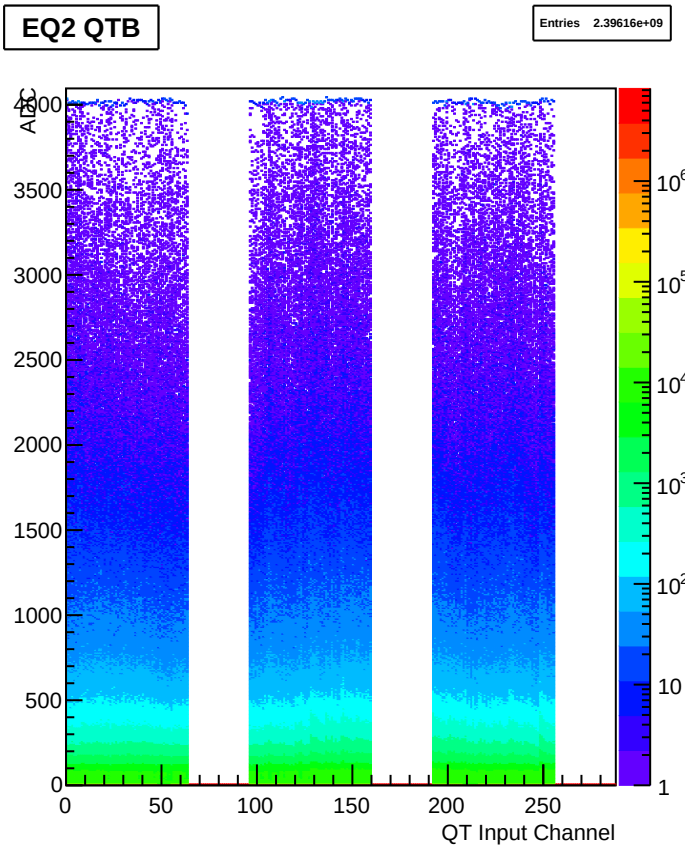

BBQ-VP002 West
Entries 1.3312e+08
TADC
QT Input Channel

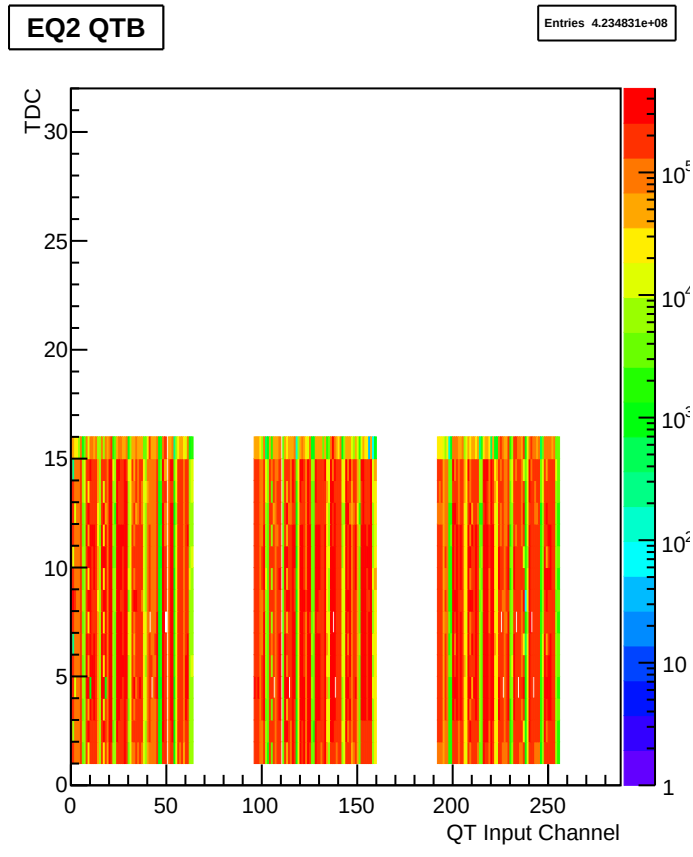

EQ1 QTB
Entries 2.39616e+09
ADC
QT Input Channel

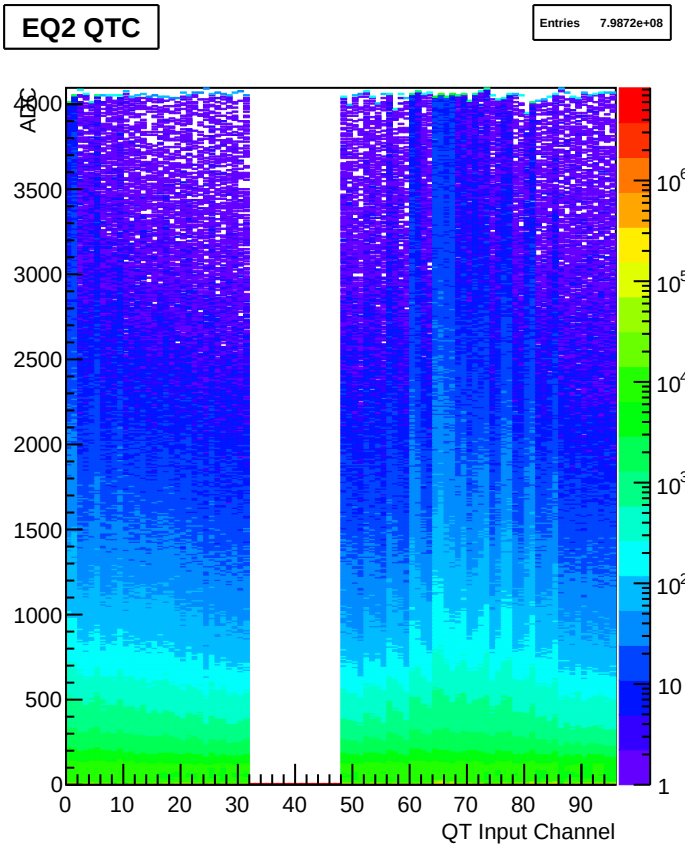

EQ1 QTB
Entries 2.974253e+08
TDC
QT Input Channel

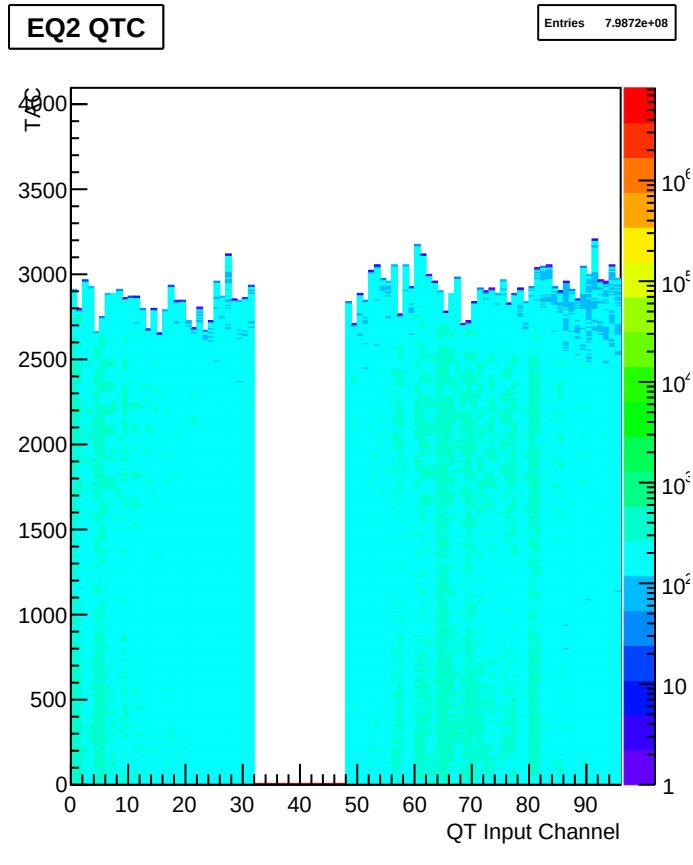

EQ1 QTC
Entries 7.9872e+08
ADC
QT Input Channel

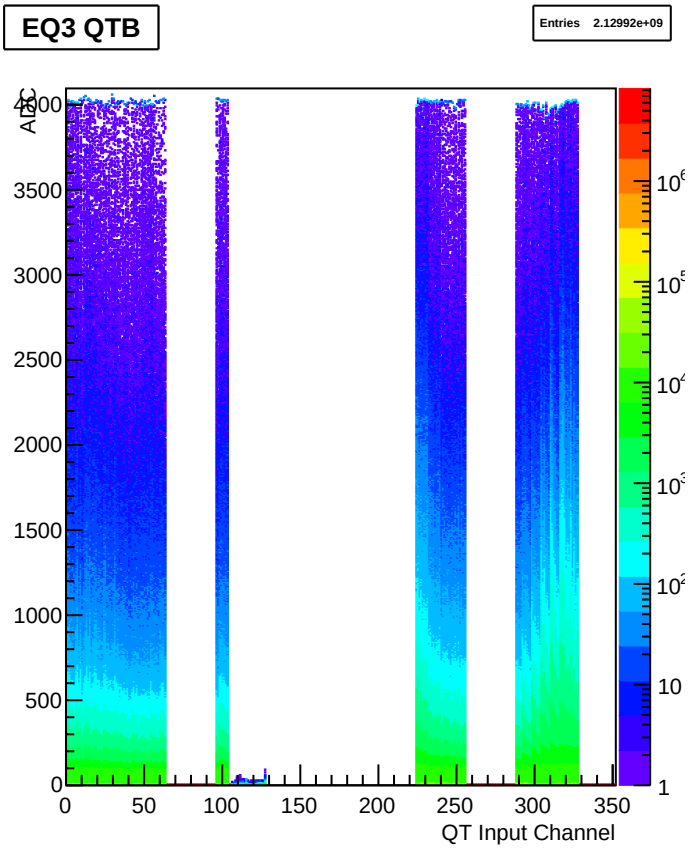

EQ1 QTC
Entries 7.9872e+08
TADC
QT Input Channel

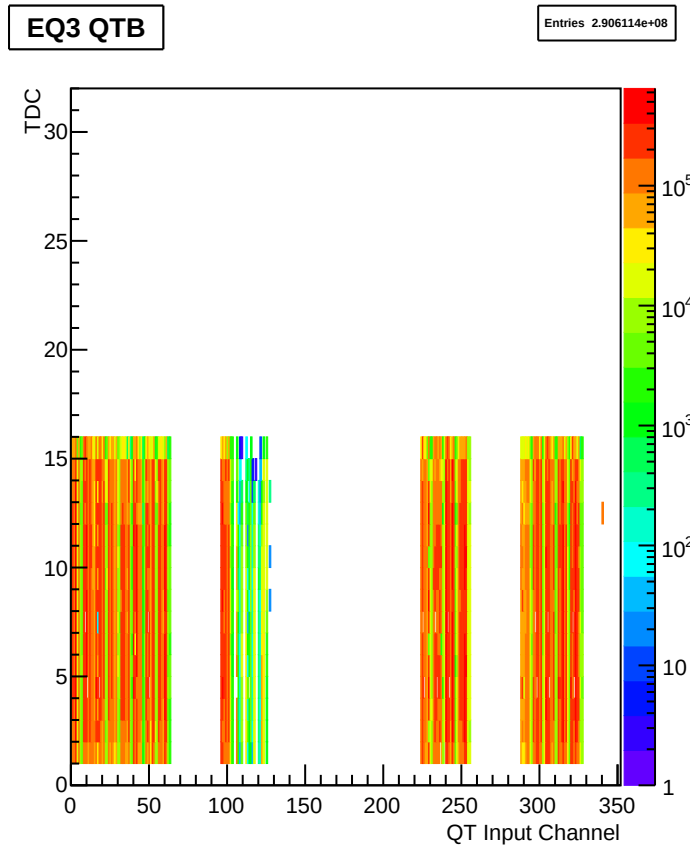

EQ2 QTB
Entries 2.39616e+09
ADC
QT Input Channel

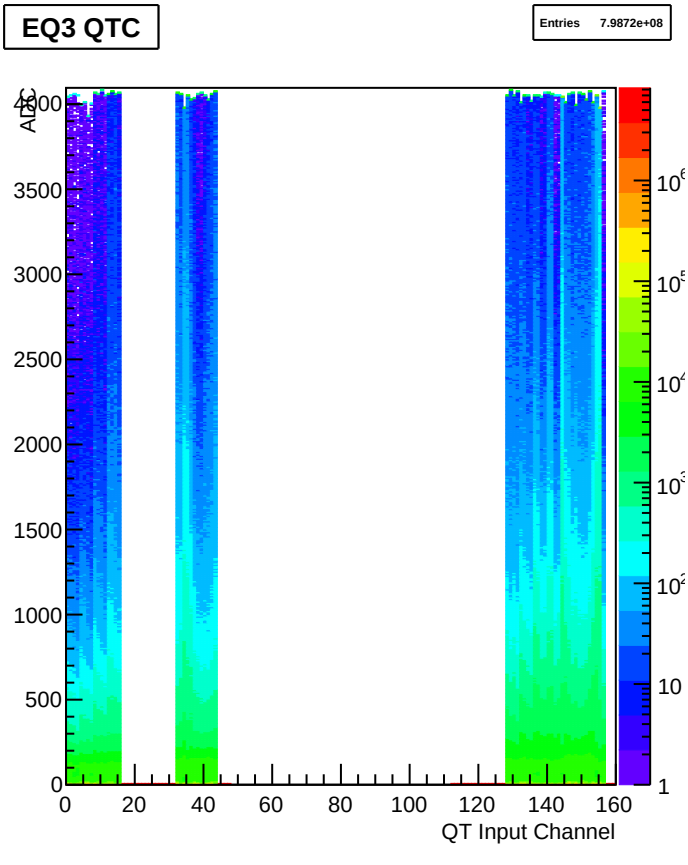

EQ2 QTB
Entries 4.234831e+08
TDC
QT Input Channel

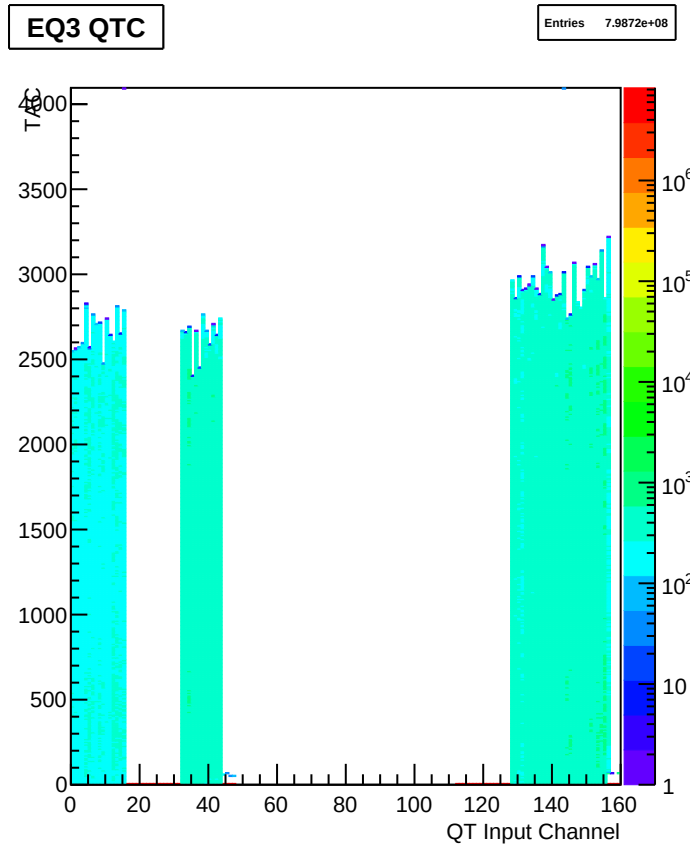

EQ2 QTC
Entries 7.9872e+08
ADC
QT Input Channel

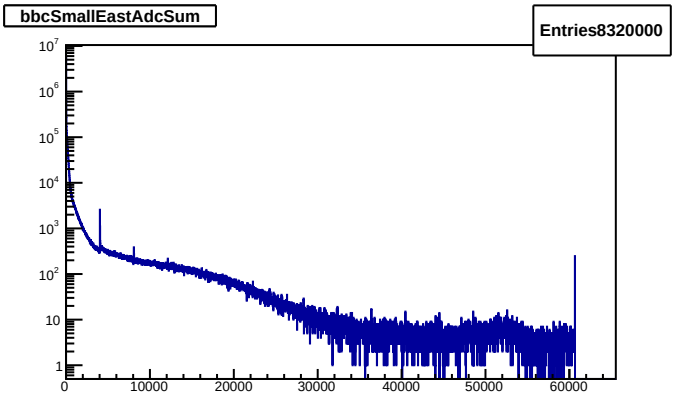

EQ2 QTC
Entries 7.9872e+08
TADC
QT Input Channel

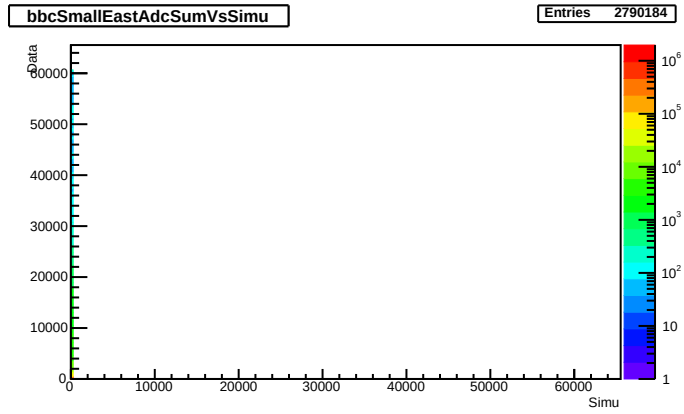

EQ3 QTB
Entries 2.12992e+09
ADC
QT Input Channel

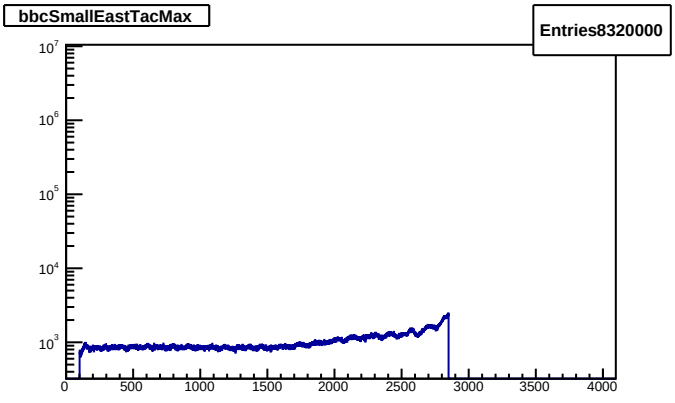

EQ3 QTB
Entries 2.906114e+08
TDC
QT Input Channel

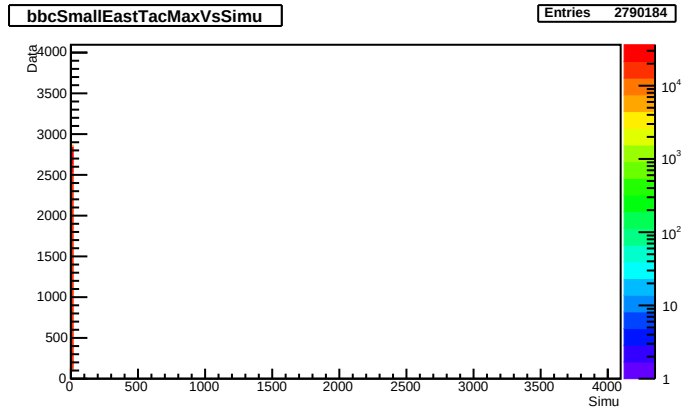

EQ3 QTC
Entries 7.9872e+08
ADC
QT Input Channel

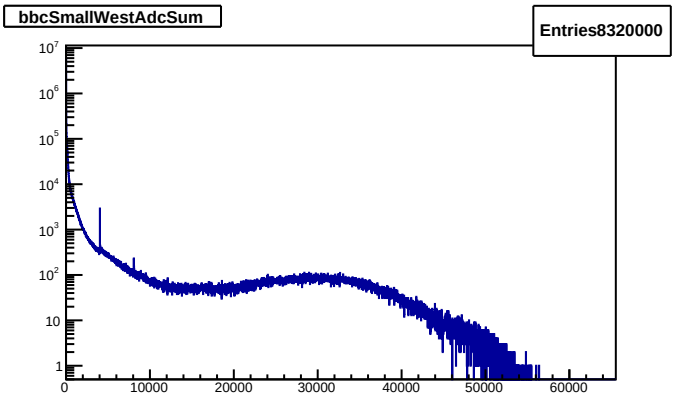

EQ3 QTC
Entries 7.9872e+08
TADC
QT Input Channel

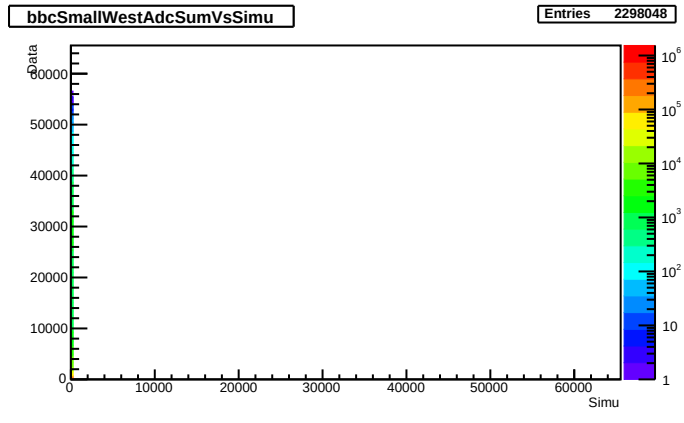

bbcSmallEastAdcSum
Entries8320000

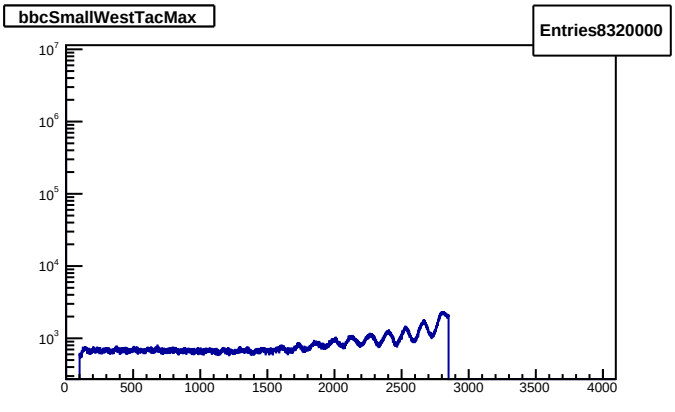

bbcSmallEastAdcSumVsSimu
Entries 2790184
Data
Simu

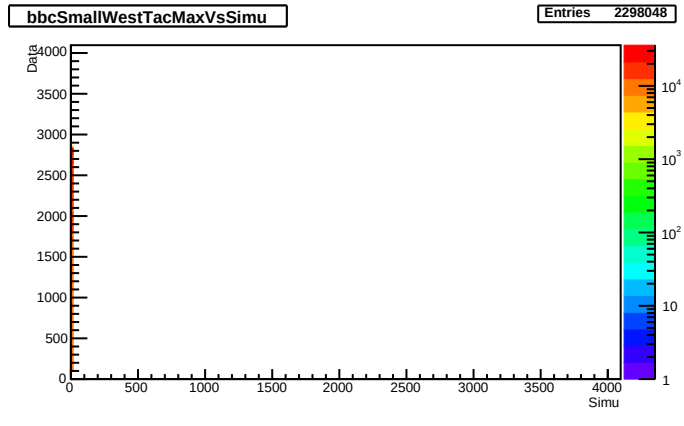

bbcSmallEastTacMax
Entries8320000

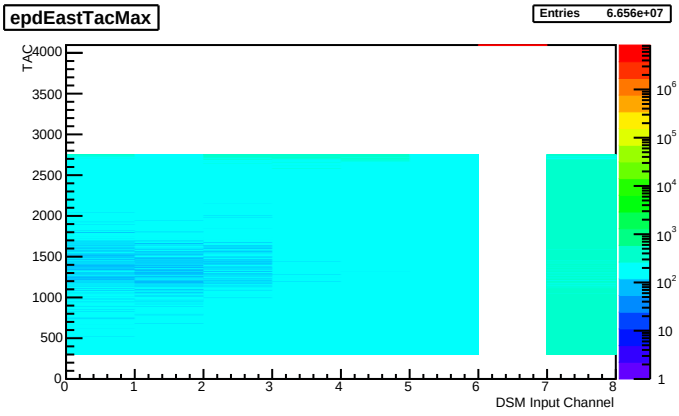

bbcSmallEastTacMaxVsSimu
Entries 2790184
Data
Simu

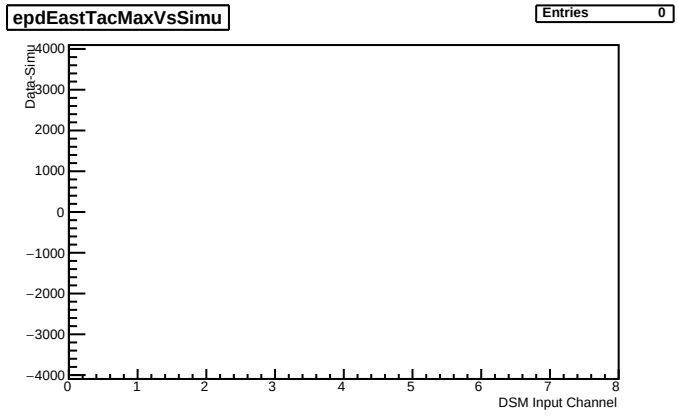

bbcSmallWestAdcSum
Entries8320000

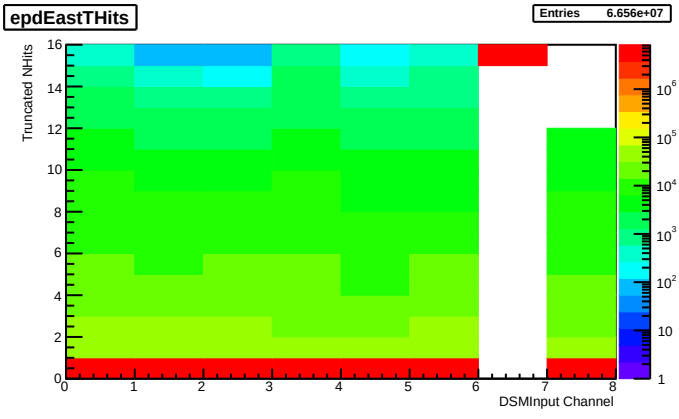

bbcSmallWestAdcSumVsSimu
Entries 2298048
Data
Simu

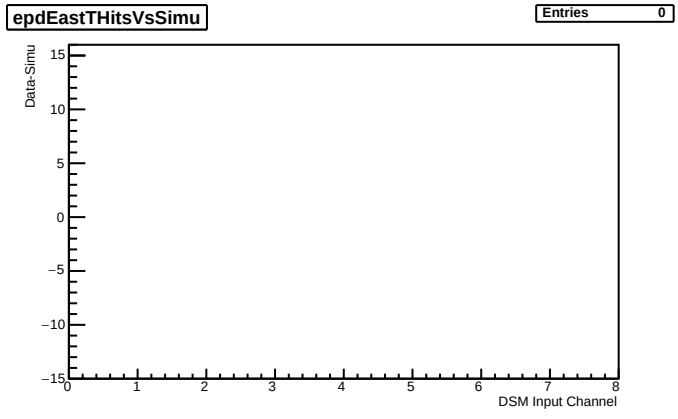

bbcSmallWestTacMax
Entries8320000

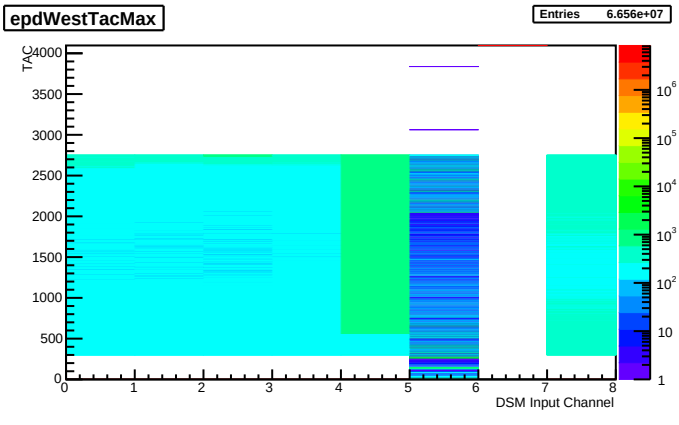

bbcSmallWestTacMaxVsSimu
Entries 2298048
Data
Simu

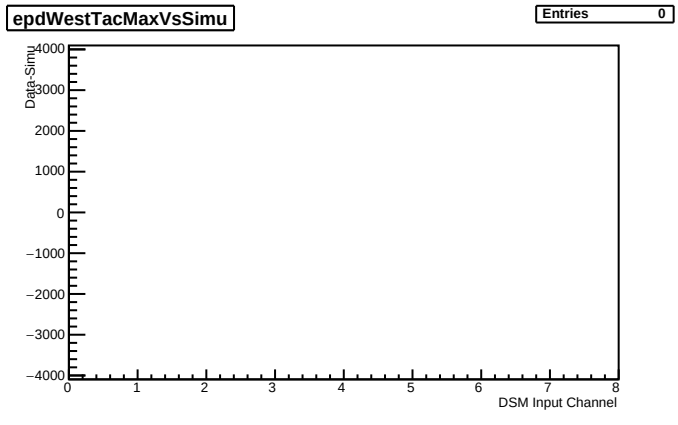

epdEastTacMax
Entries 6.656e+07
TAC
DSM Input Channel

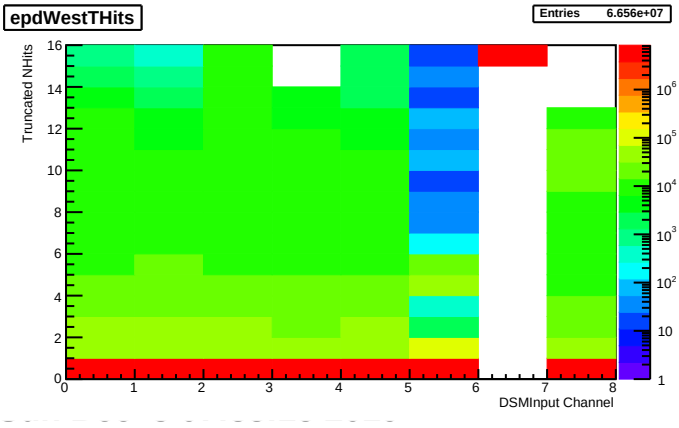

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

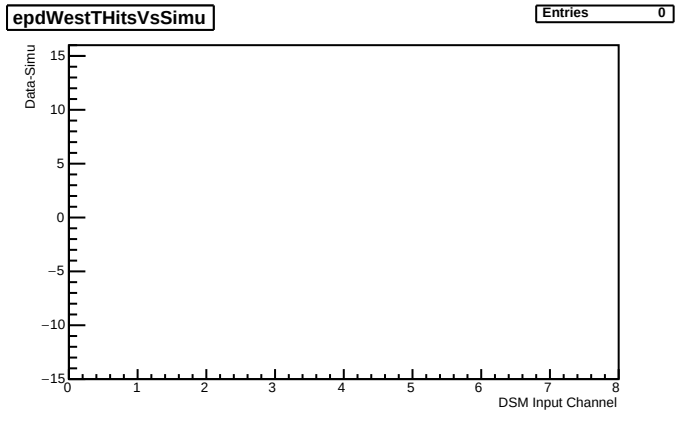

epdEastTHits
Entries 6.656e+07
Truncated NHits
DSMInput Channel

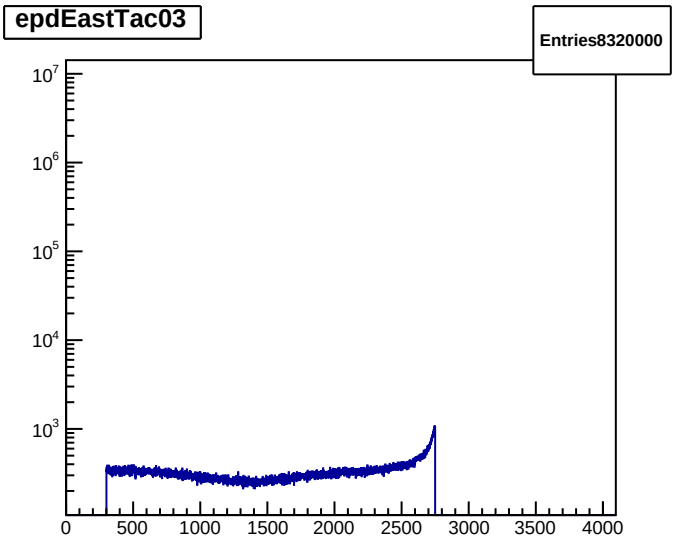

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

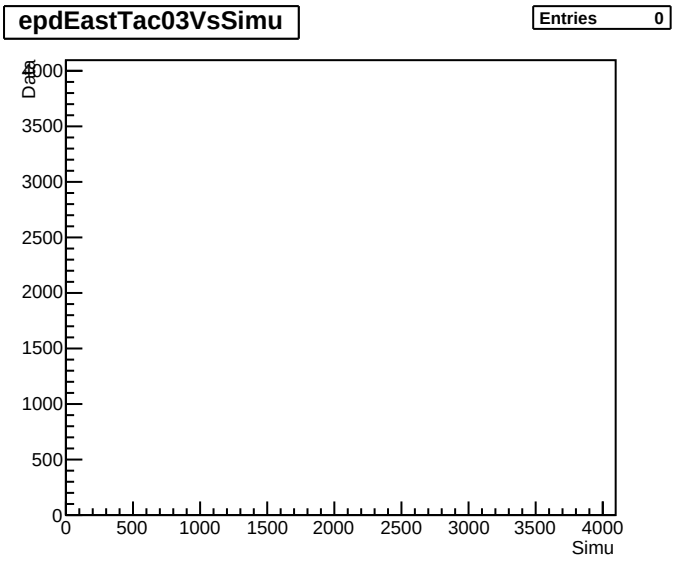

epdWestTacMax
Entries 6.656e+07
TAC
DSM Input Channel

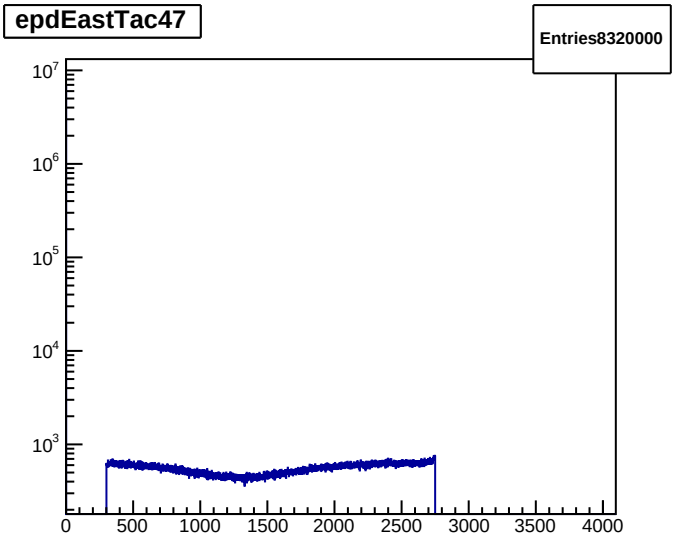

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

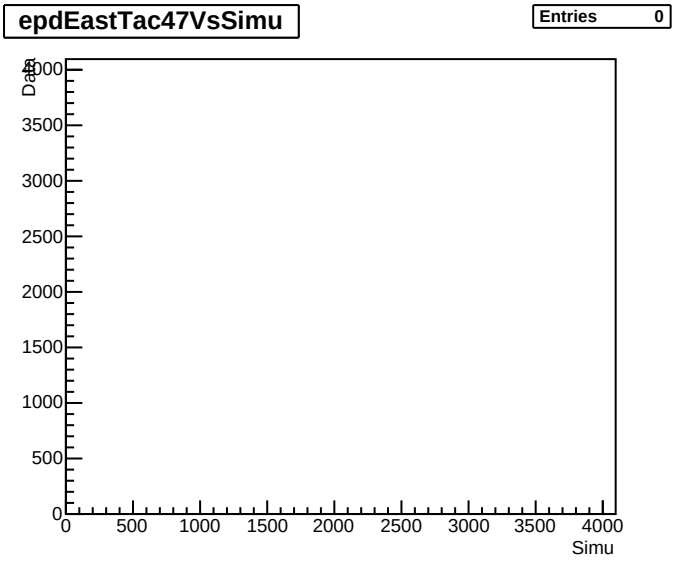

epdWestTHits
Entries 6.656e+07
Truncated NHits
DSMInput Channel

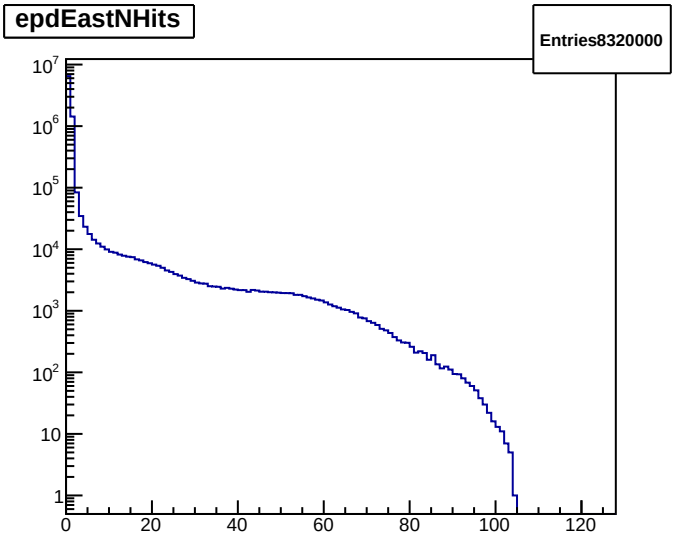

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

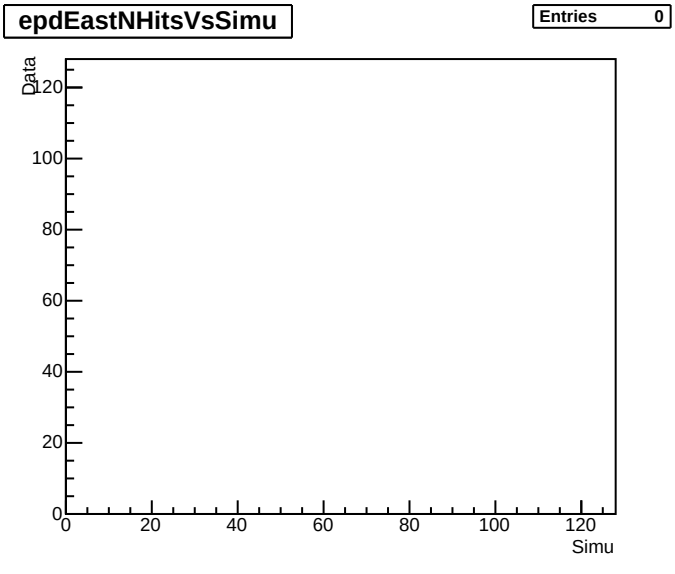

epdEastTac03
Entries8320000

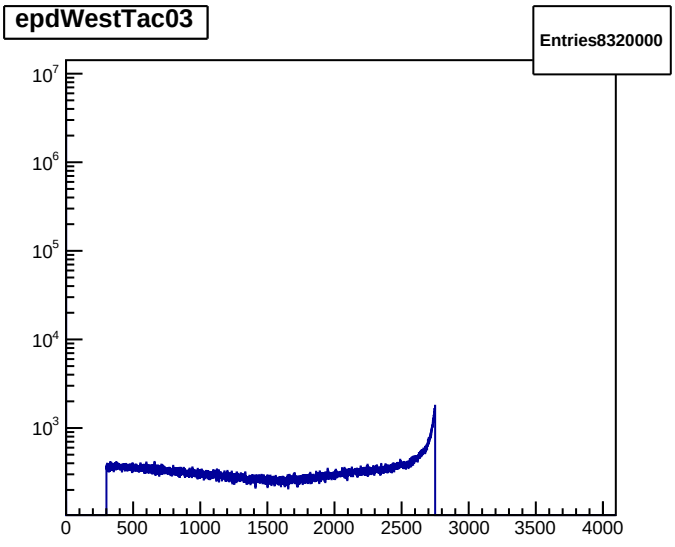

epdEastTac03VsSimu
Entries 0
Data
Simu

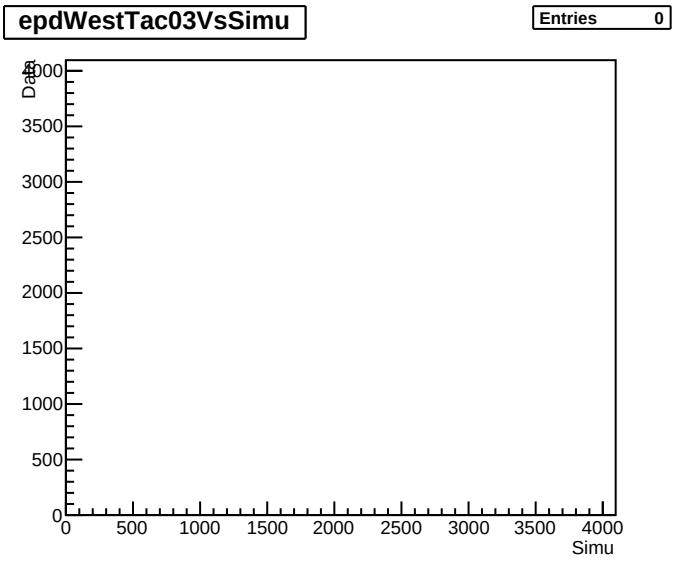

epdEastTac47
Entries8320000

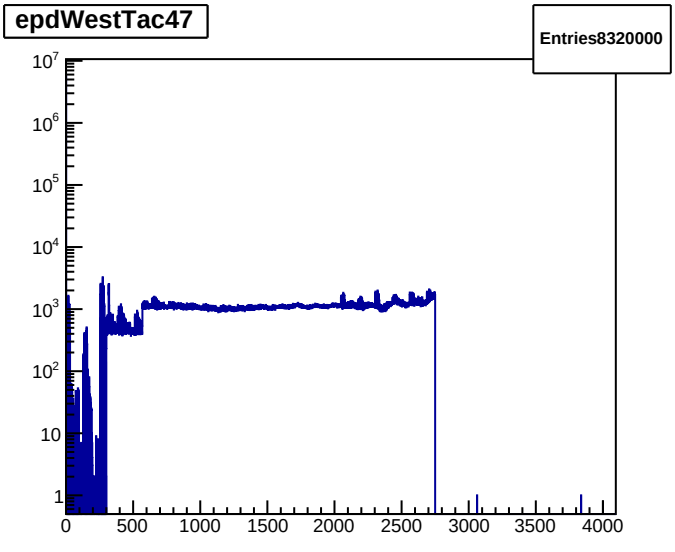

epdEastTac47VsSimu
Entries 0
Data
Simu

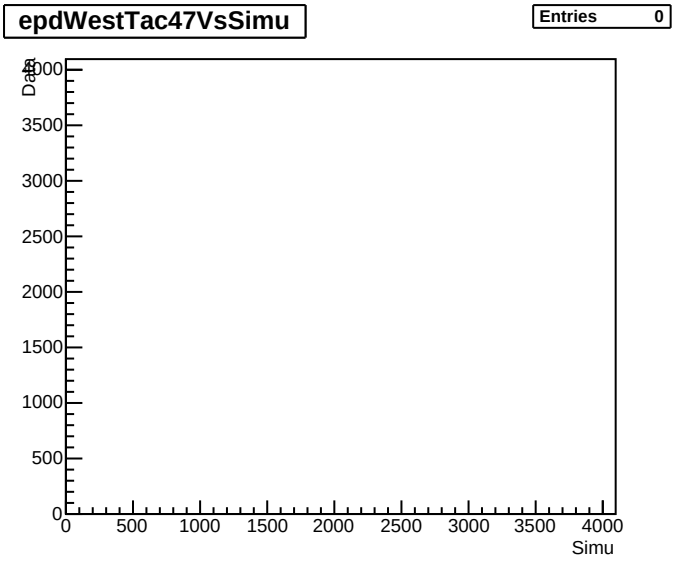

epdEastNHits
Entries8320000

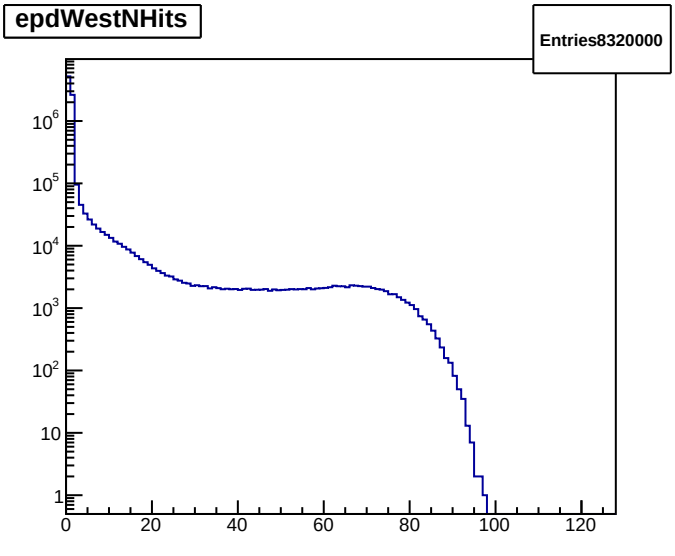

epdEastNHitsVsSimu
Entries 0
Data
Simu

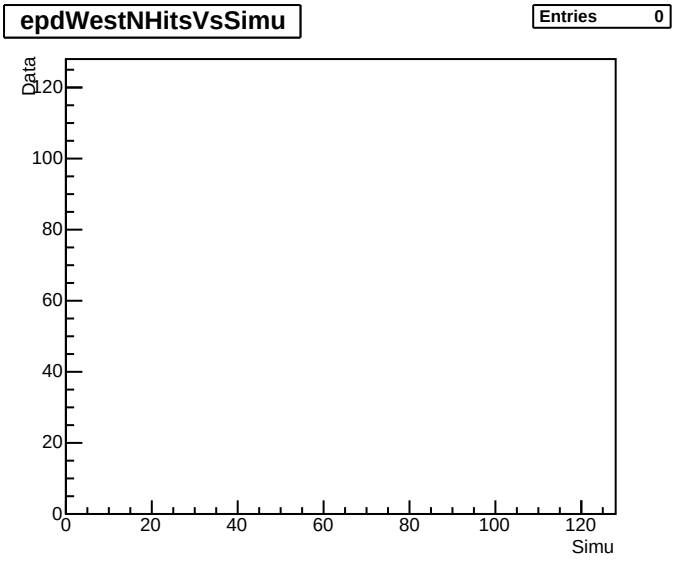

epdWestTac03
Entries8320000

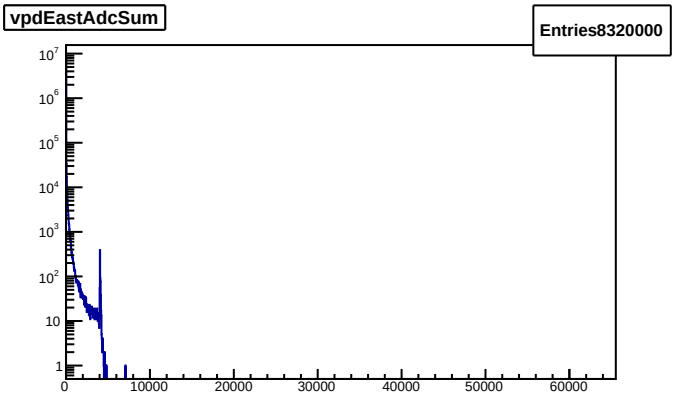

epdWestTac03VsSimu
Entries 0
Data
Simu

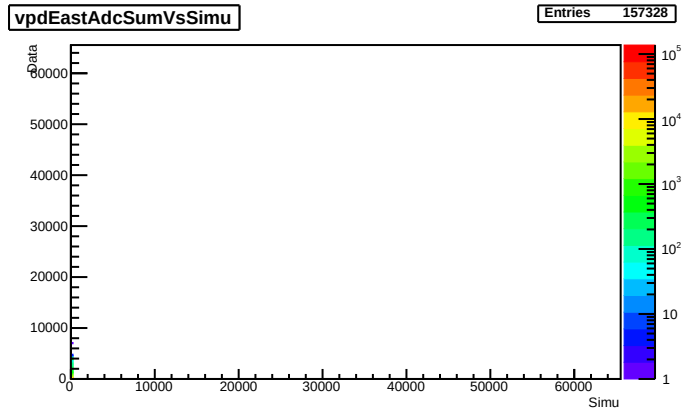

epdWestTac47
Entries8320000

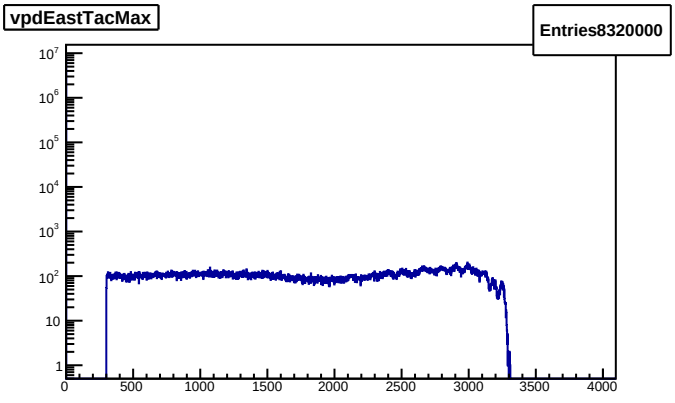

epdWestTac47VsSimu
Entries 0
Data
Simu

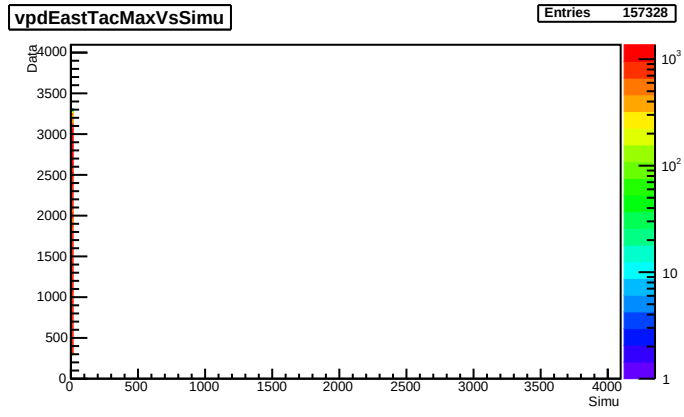

epdWestNHits
Entries8320000

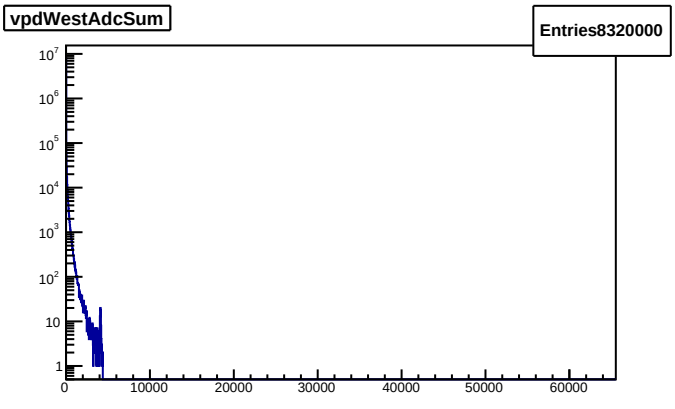

epdWestNHitsVsSimu
Entries 0
Data
Simu

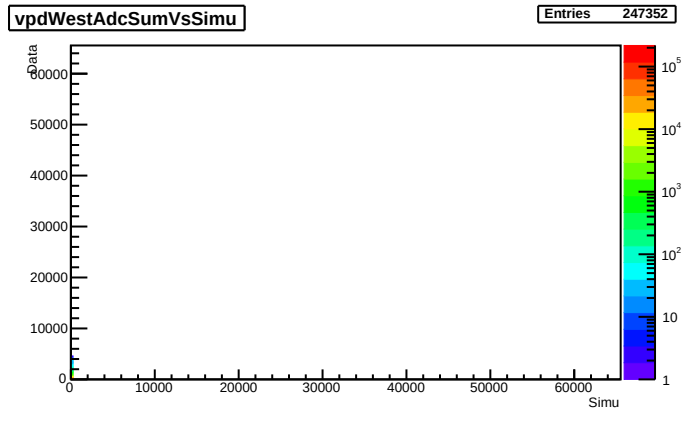

vpdEastAdcSum
Entries8320000

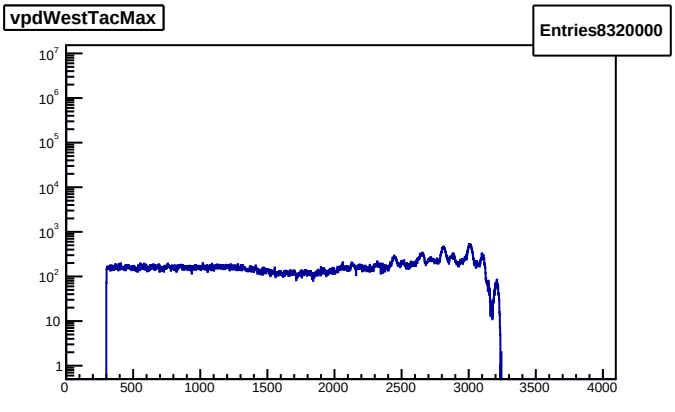

vpdEastAdcSumVsSimu
Entries 157328
Data
Simu

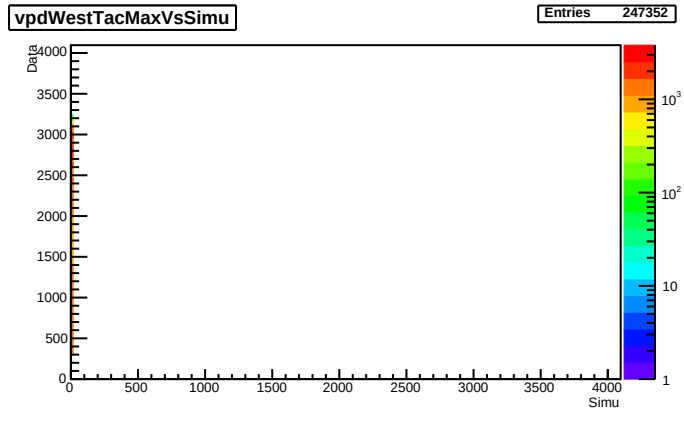

vpdEastTacMax
Entries8320000

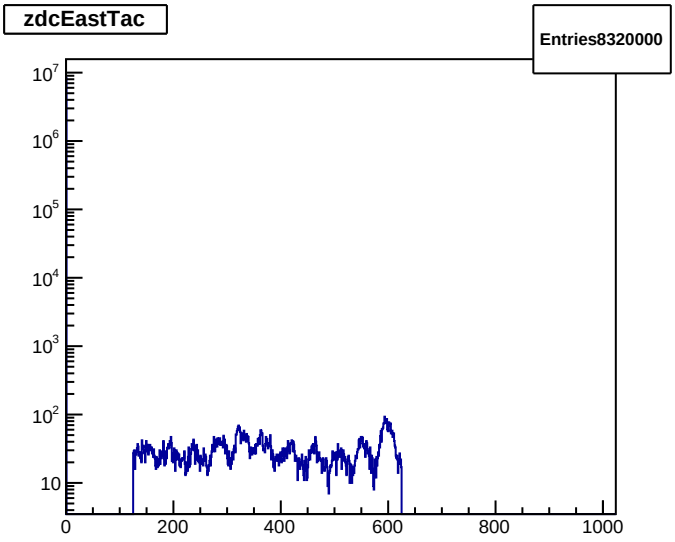

vpdEastTacMaxVsSimu
Entries 157328
Data
Simu

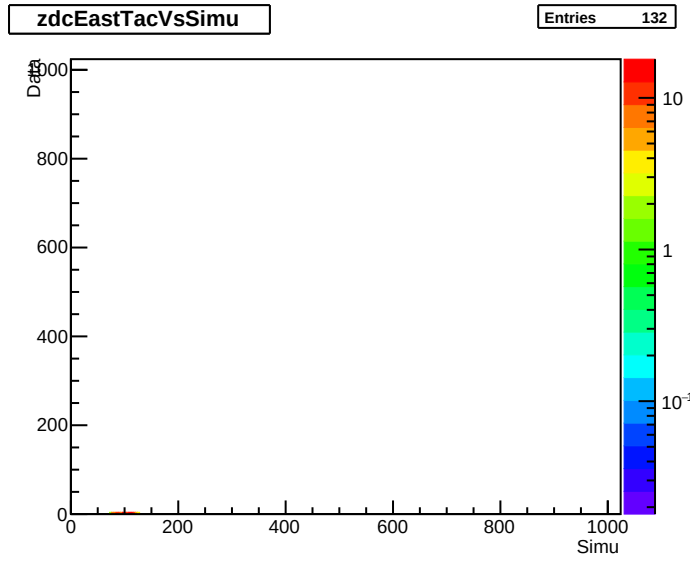

vpdWestAdcSum
Entries8320000

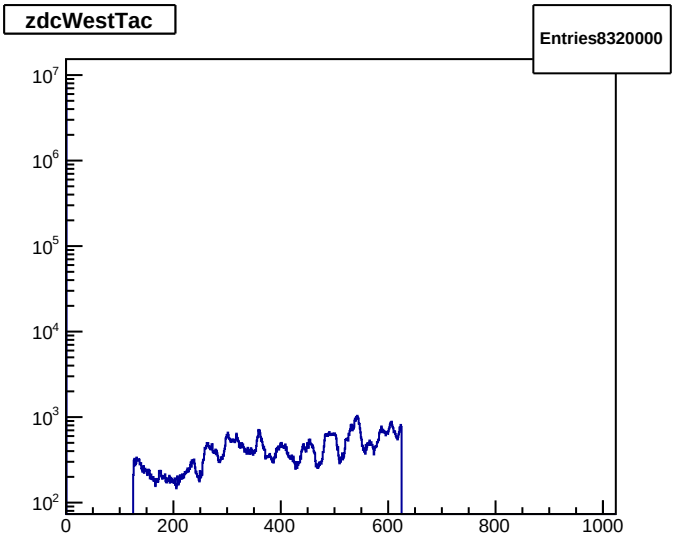

vpdWestAdcSumVsSimu
Entries 247352
Data
Simu

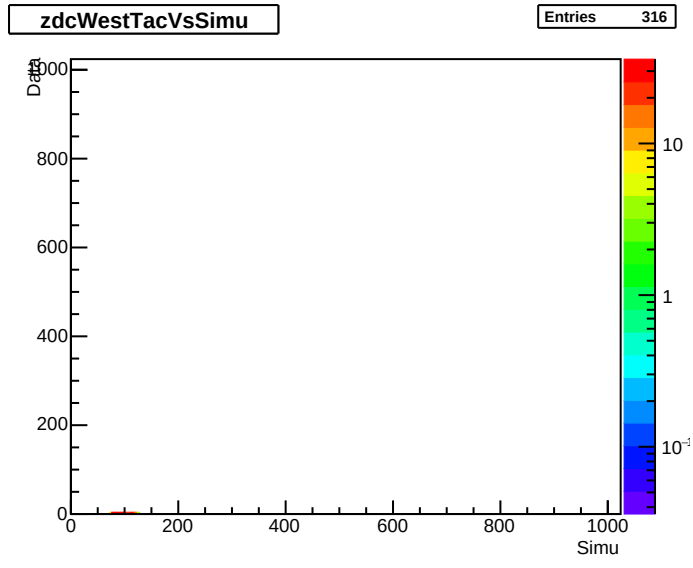

vpdWestTacMax
Entries8320000

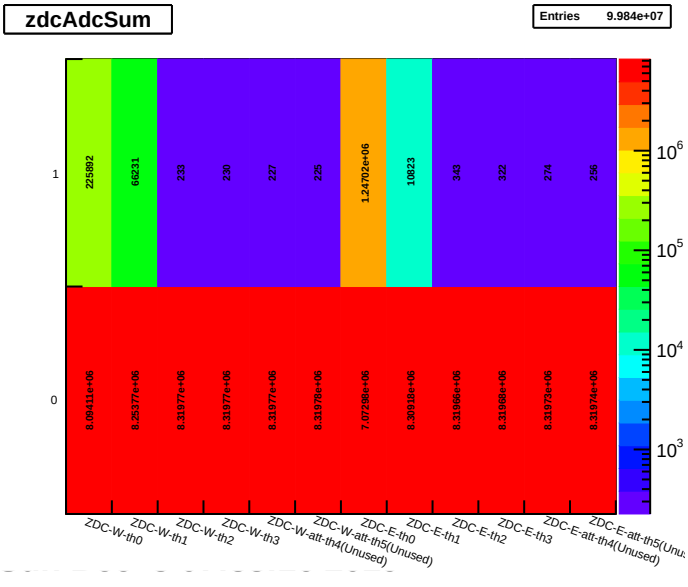

vpdWestTacMaxVsSimu
Entries 247352
Data
Simu

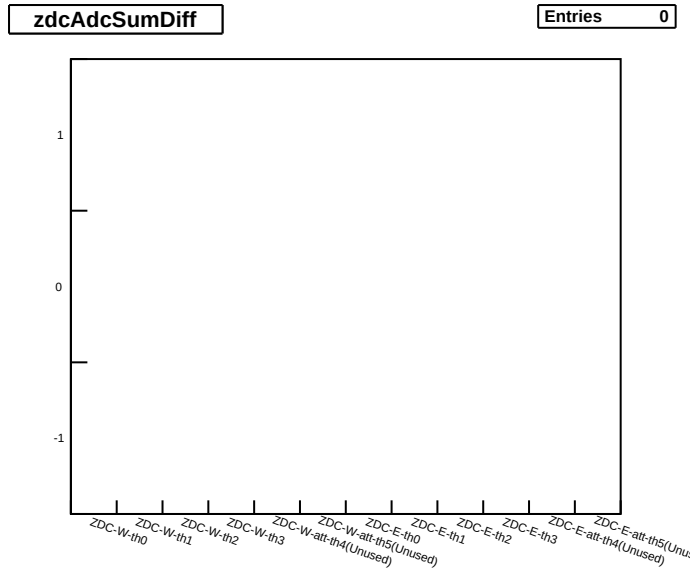

zdcEastTac
Entries8320000

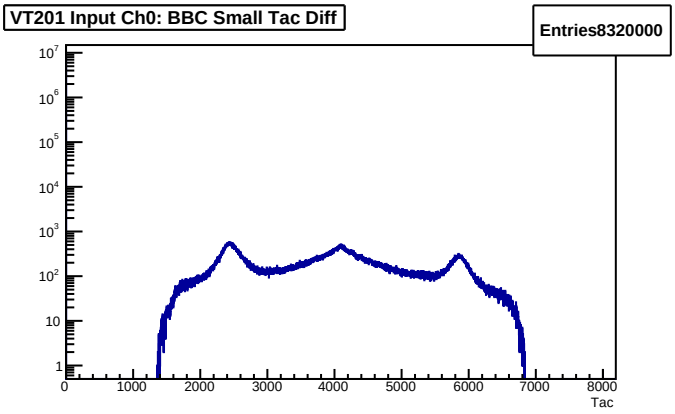

zdcEastTacVsSimu
Entries 132
Data
Simu

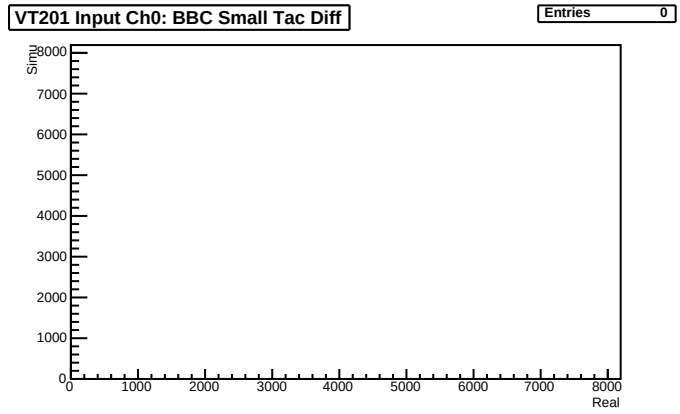

zdcWestTac
Entries8320000

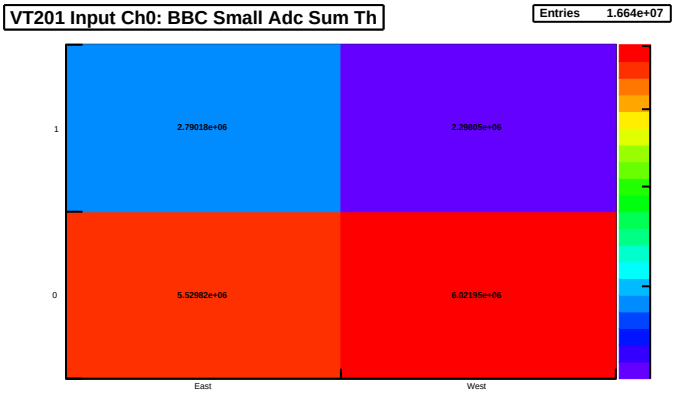

zdcWestTacVsSimu
Entries 316
Data
Simu

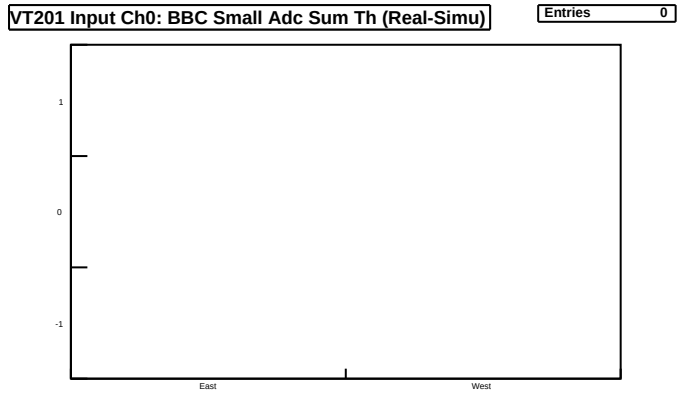

zdcAdcSum
Entries 9.984e+07
225892
66231
233
230
227
225
1.24702e+06
10823
343
322
274
256
8.09411e+06
8.25377e+06
8.31977e+06
8.31977e+06
8.31977e+06
8.31978e+06
7.07298e+06
8.30918e+06
8.31966e+06
8.31968e+06
8.31973e+06
8.31974e+06
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

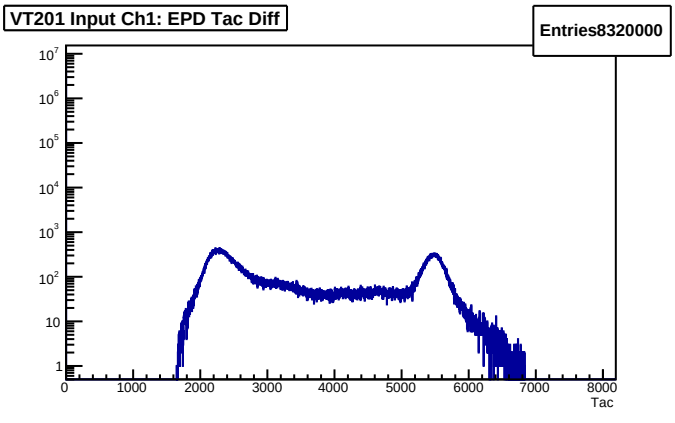

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

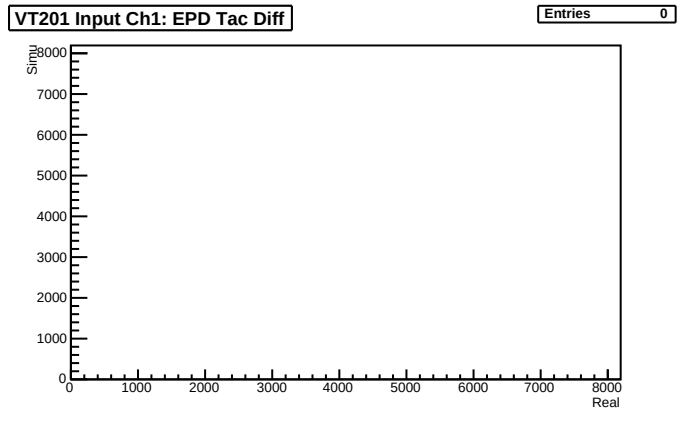

VT201 Input Ch0: BBC Small Tac Diff
Entries8320000
Tac

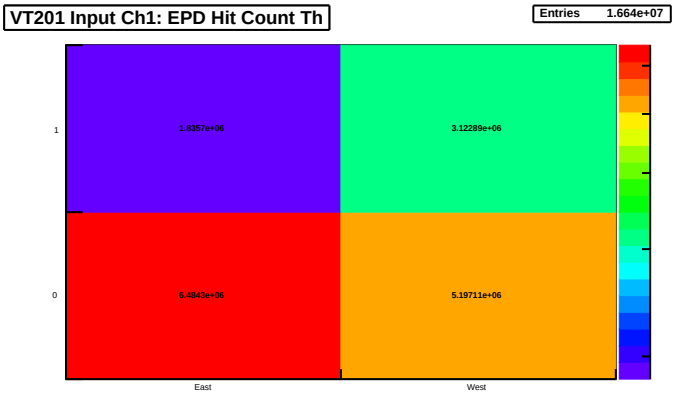

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

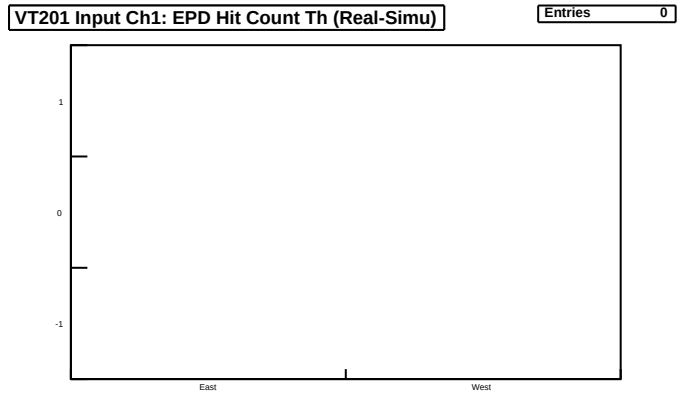

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1.664e+07
2.79018e+06
2.29805e+06
5.52982e+06
6.02195e+06
East
West

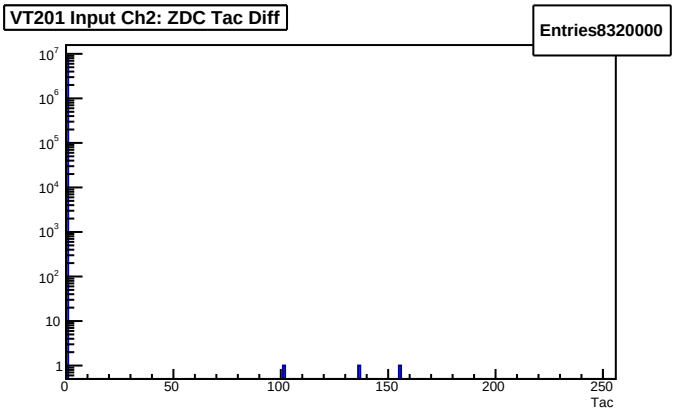

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

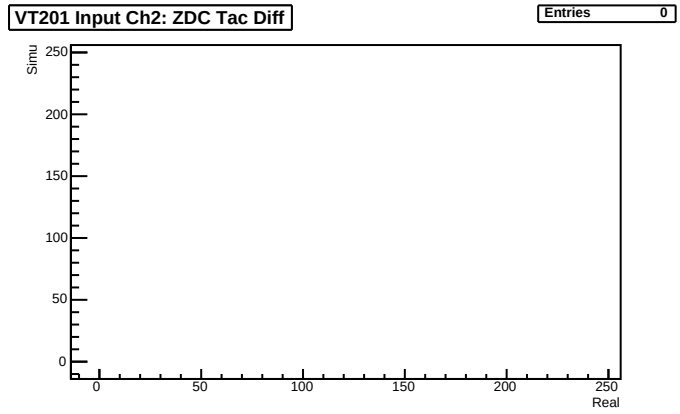

VT201 Input Ch1: EPD Tac Diff
Entries8320000
Tac

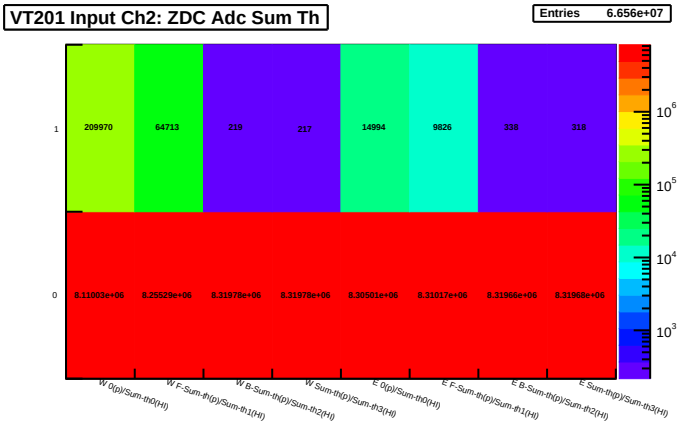

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

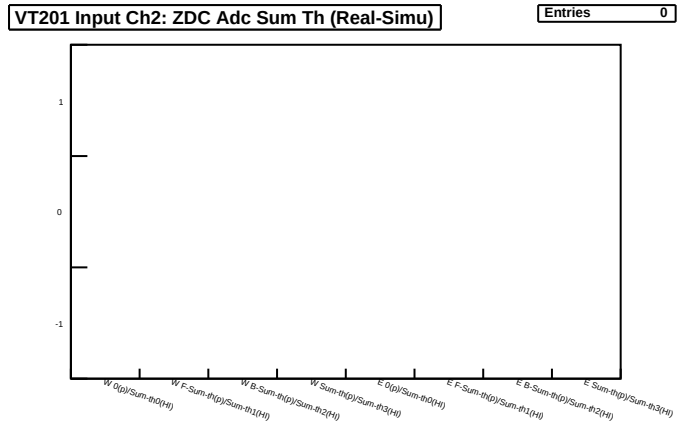

VT201 Input Ch1: EPD Hit Count Th
Entries 1.664e+07
1.8357e+06
3.12289e+06
6.4843e+06
5.19711e+06
East
West

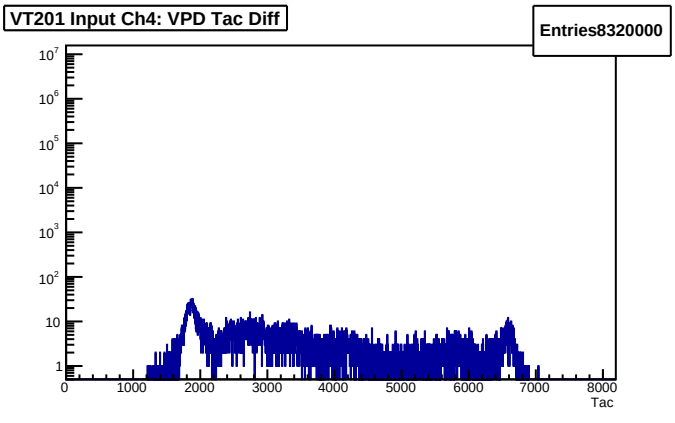

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

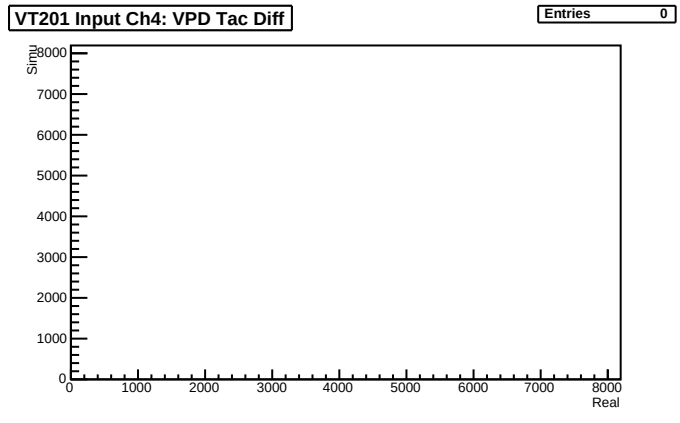

VT201 Input Ch2: ZDC Tac Diff
Entries8320000
Tac

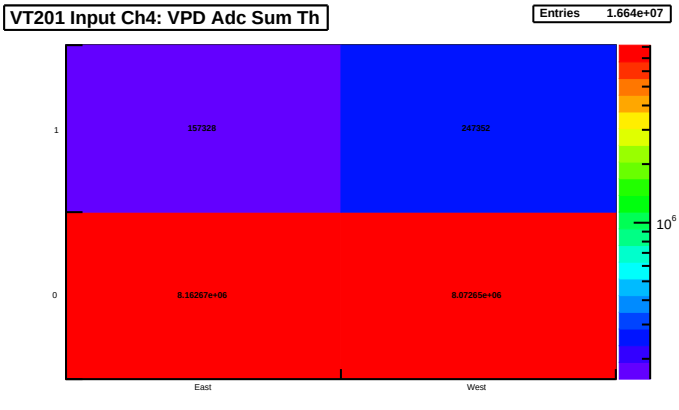

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

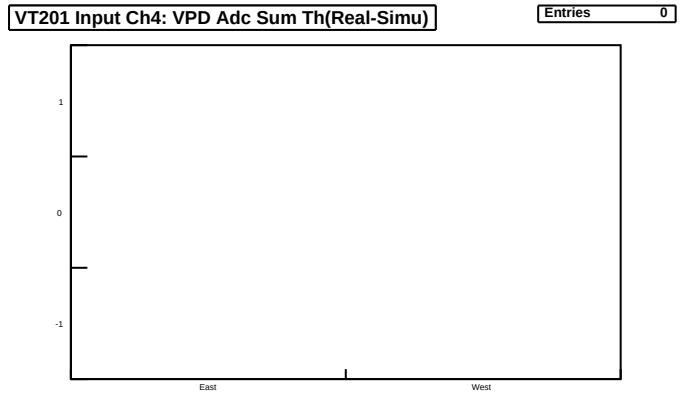

VT201 Input Ch2: ZDC Adc Sum Th
Entries 6.656e+07
209970
64713
219
217
14994
9826
338
318
8.11003e+06
8.25529e+06
8.31978e+06
8.31978e+06
8.30501e+06
8.31017e+06
8.31966e+06
8.31968e+06
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

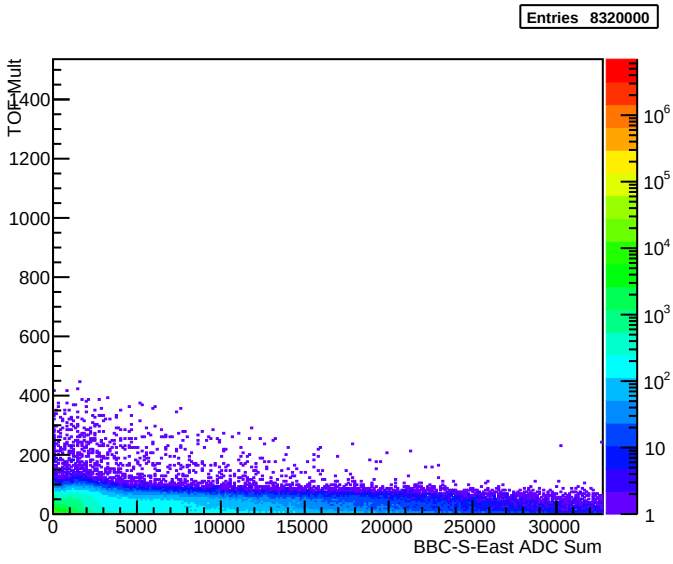

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

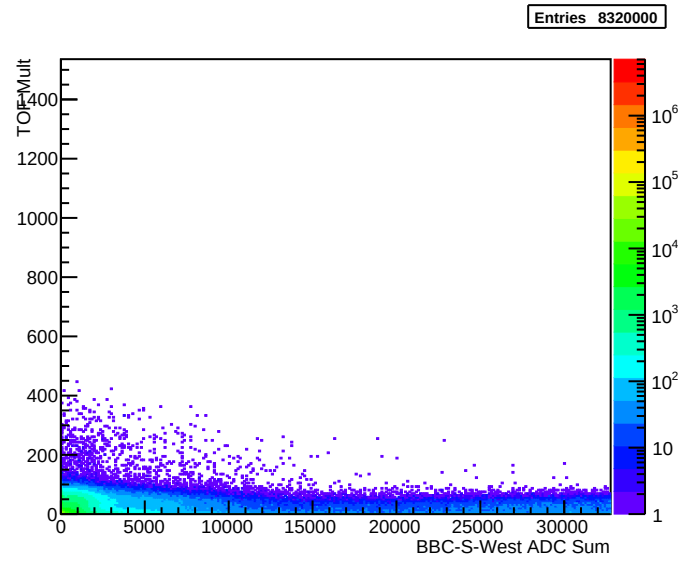

VT201 Input Ch4: VPD Tac Diff
Entries8320000
Tac

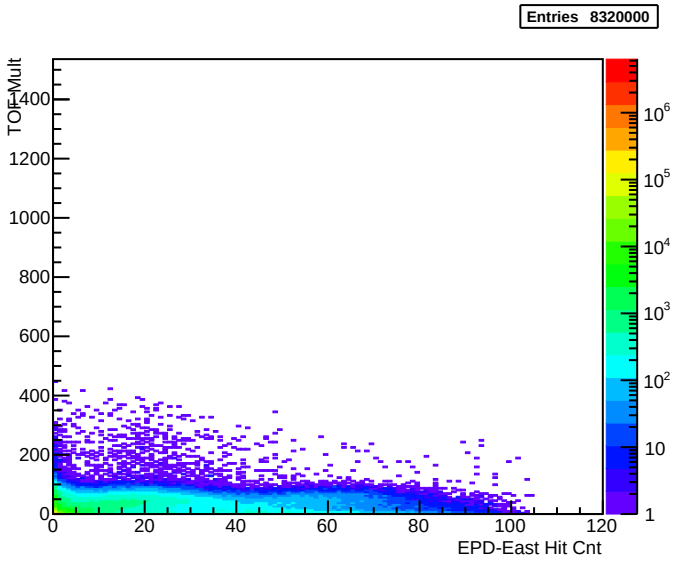

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

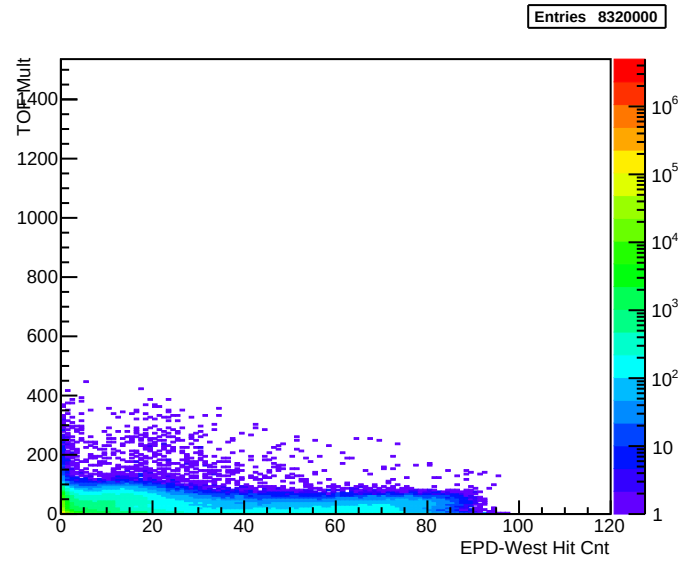

VT201 Input Ch4: VPD Adc Sum Th
Entries 1.664e+07
157328
247352
8.16267e+06
8.07265e+06
East
West

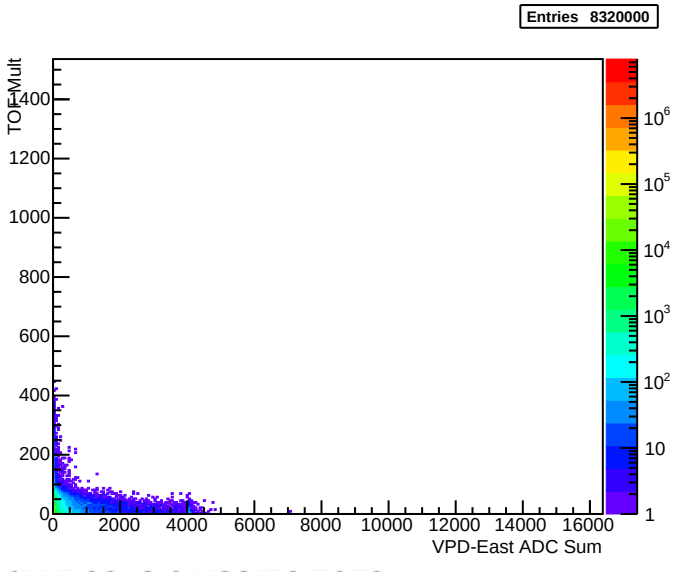

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

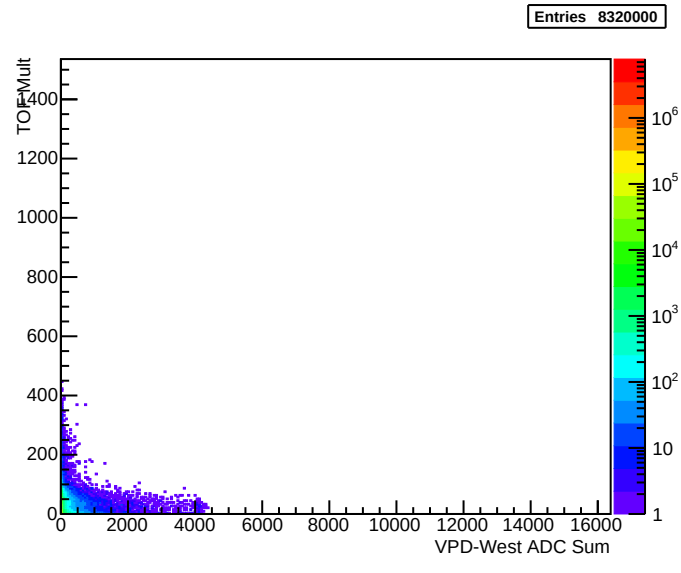

Entries 8320000
TOF-Mult
BBC-S-East ADC Sum

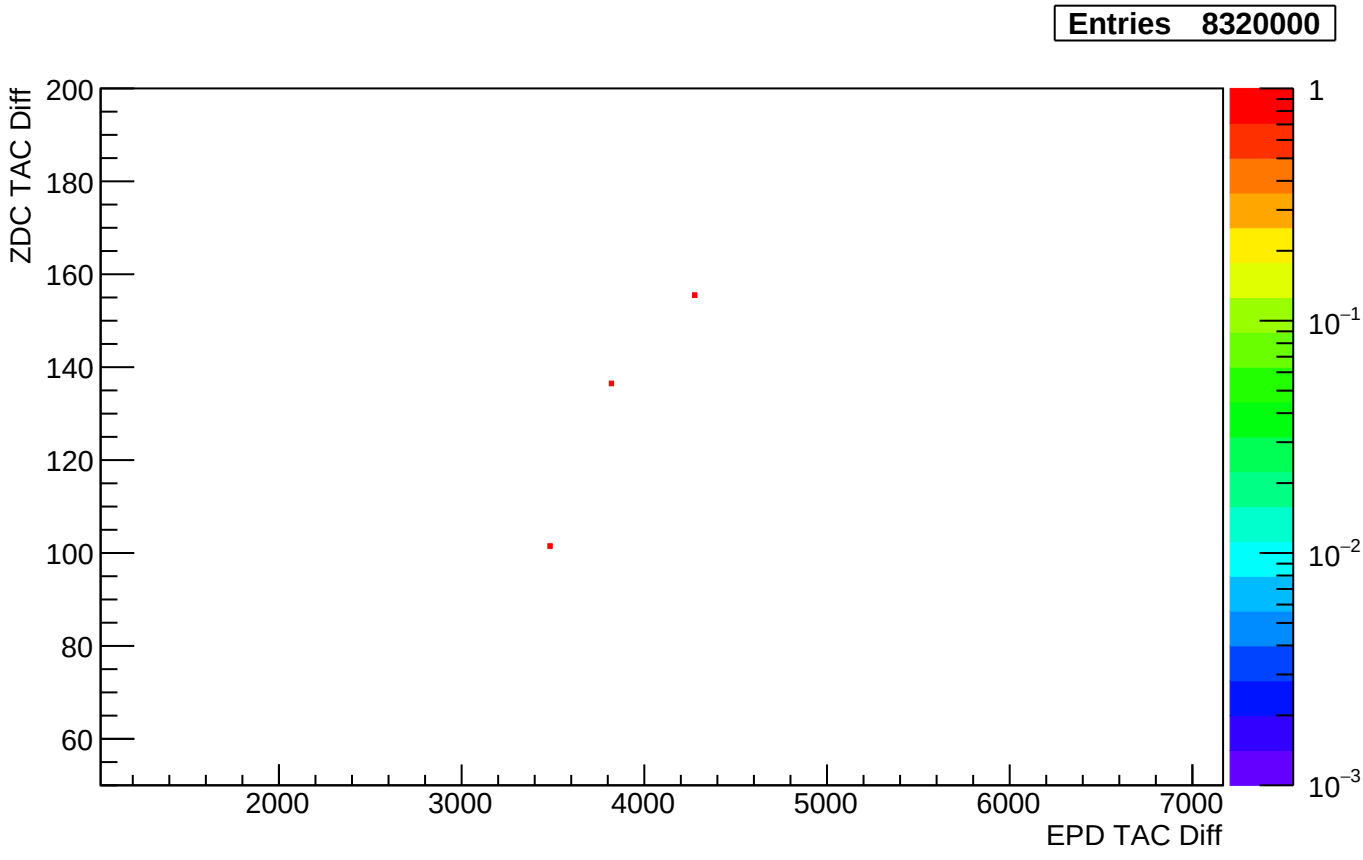

Entries 8320000
TOF-Mult
BBC-S-West ADC Sum

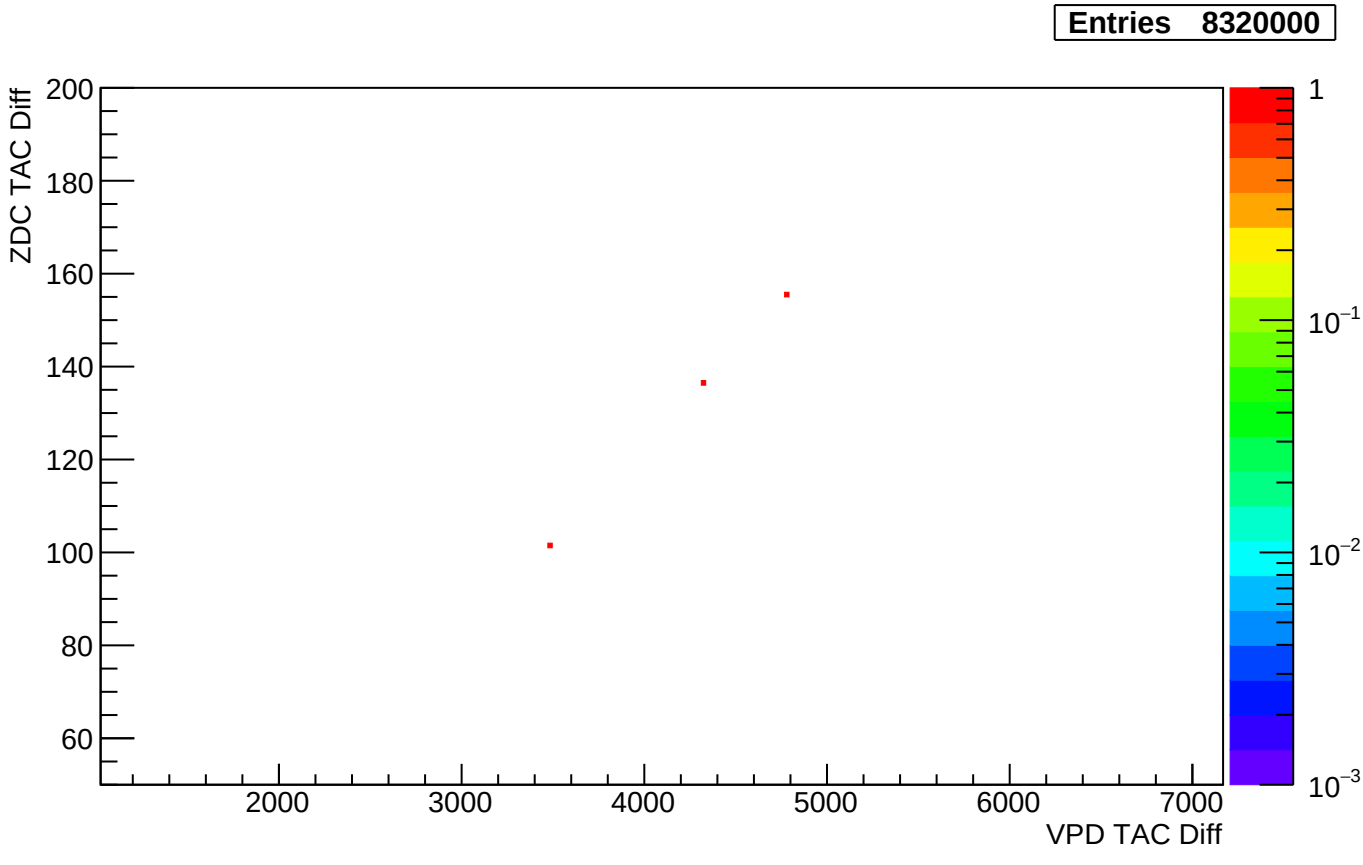

Entries 8320000
TOF-Mult
EPD-East Hit Cnt

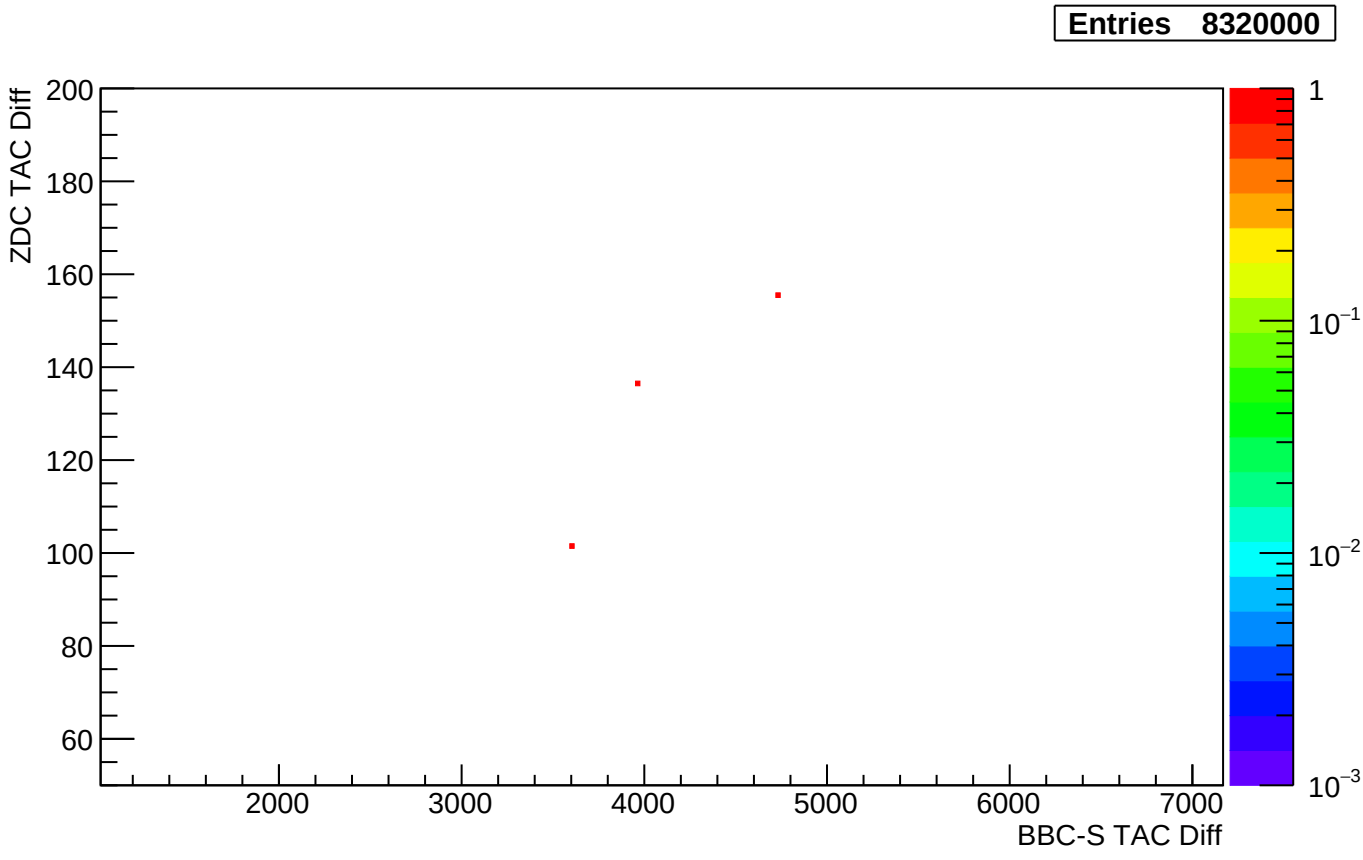

Entries 8320000
TOF-Mult
EPD-West Hit Cnt

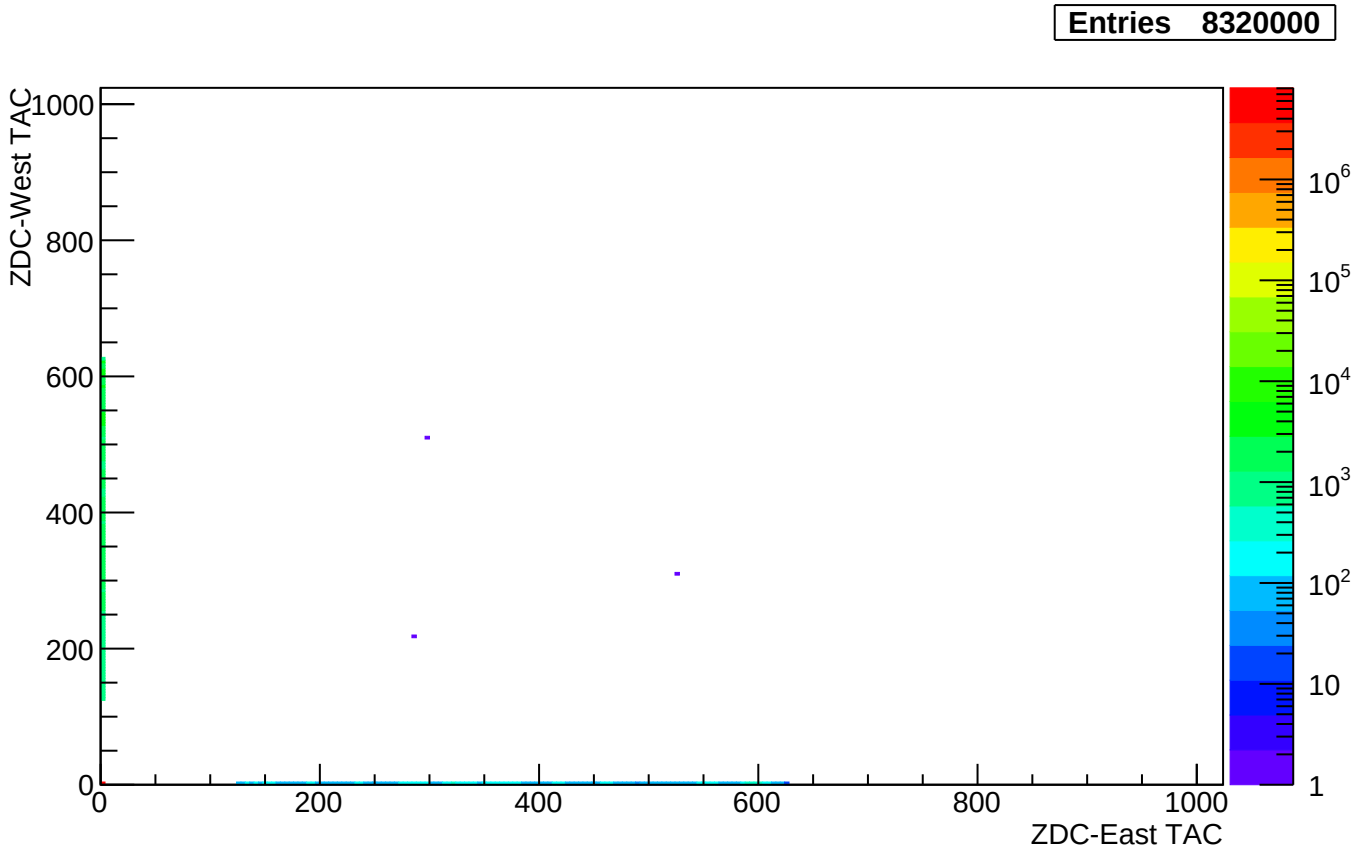

Entries 8320000
TOF-Mult
VPD-East ADC Sum

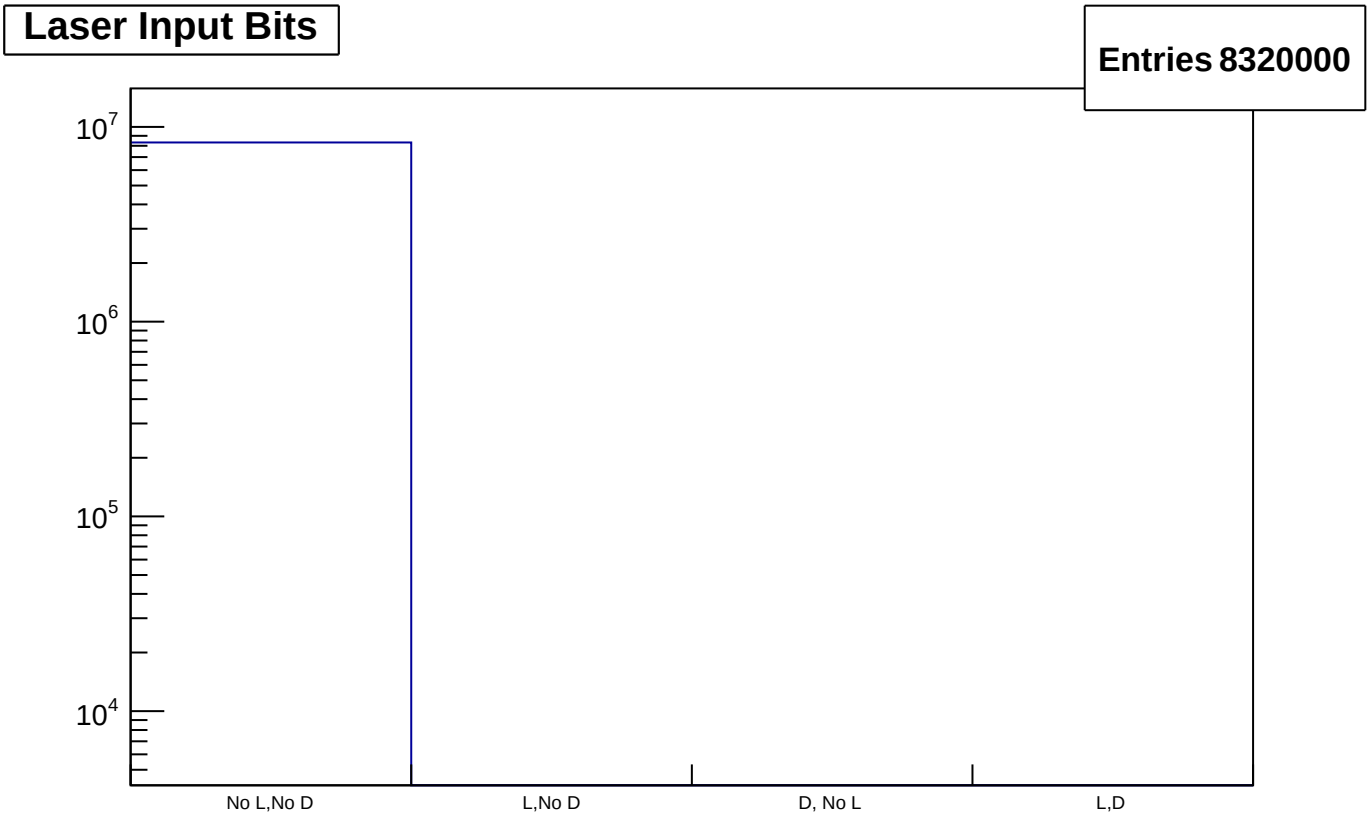

Entries 8320000
TOF-Mult
VPD-West ADC Sum

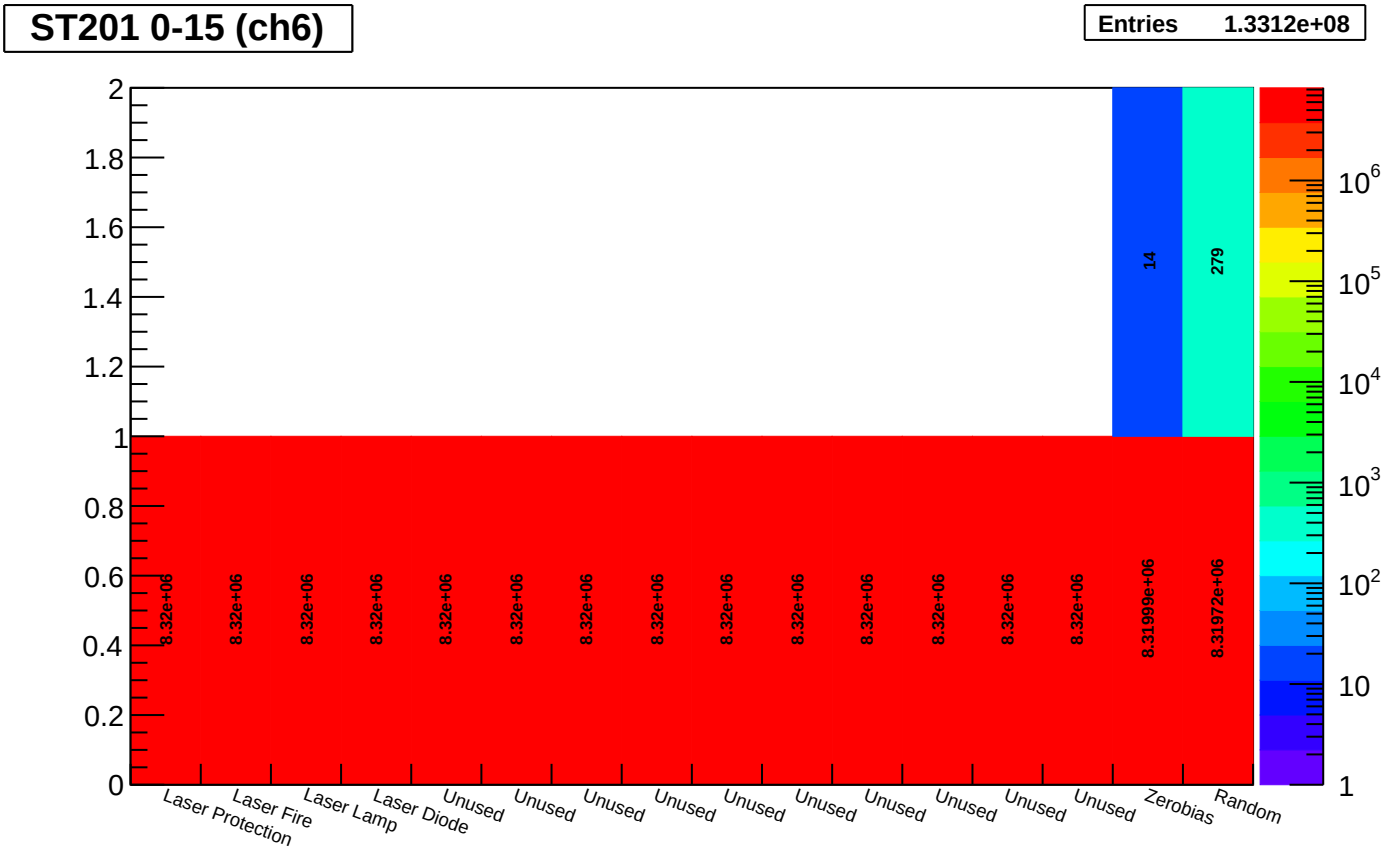

Entries 8320000
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

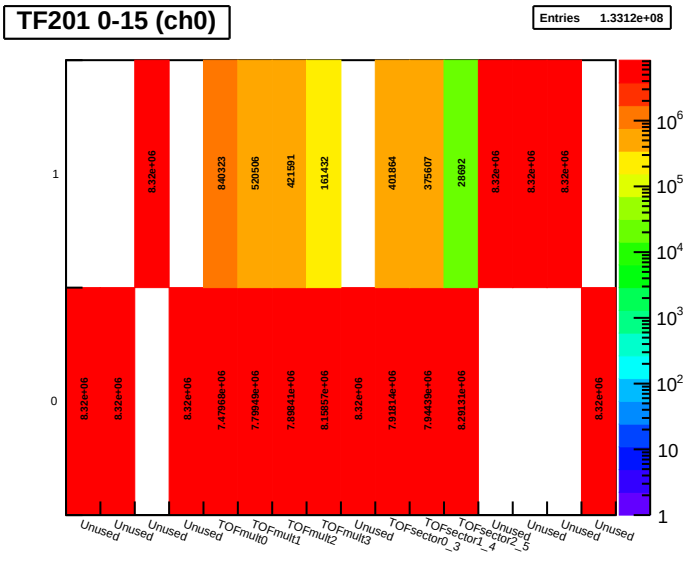

Entries 8320000
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

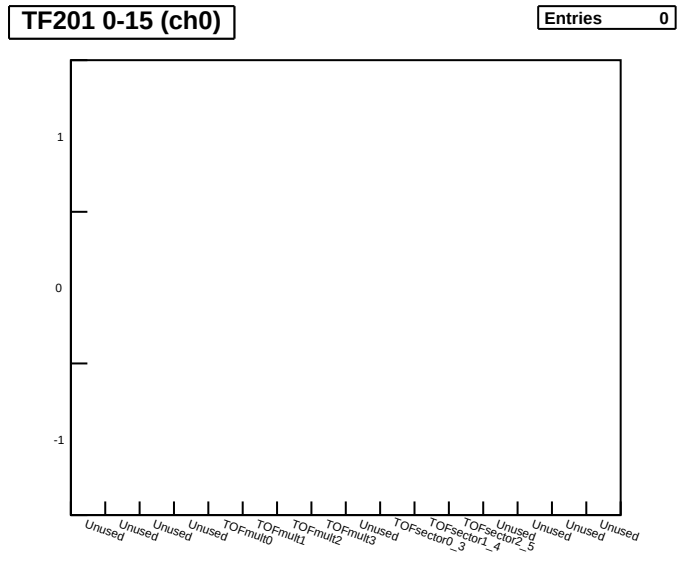

Entries 8320000
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

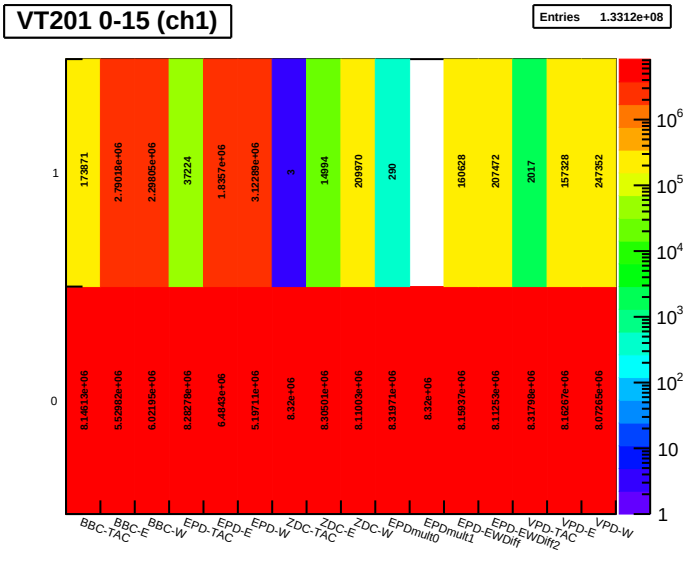

Entries 8320000
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^{6}
10^{5}
10^{4}
10^{3}
10^{2}
10
1

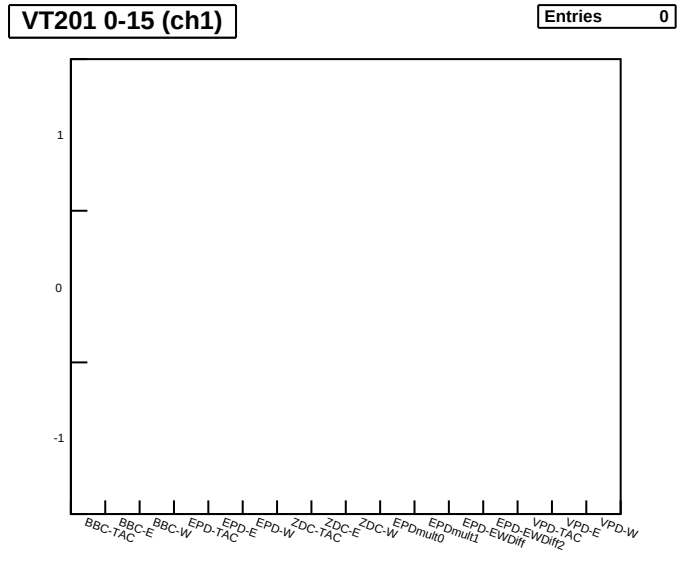

Laser Input Bits
Entries 8320000
10^7
10^6
10^5
10^4
No L,No D
L,No D
D, No L
L,D

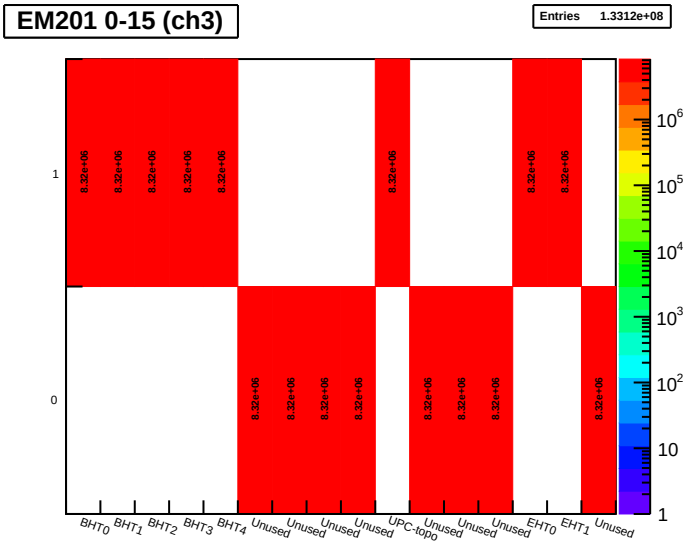

ST201 0-15 (ch6)
Entries 1.3312e+08
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
14
279
8.32e+06
8.31999e+06
8.31972e+06
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^6
10^5
10^4
10^3
10^2
10
1

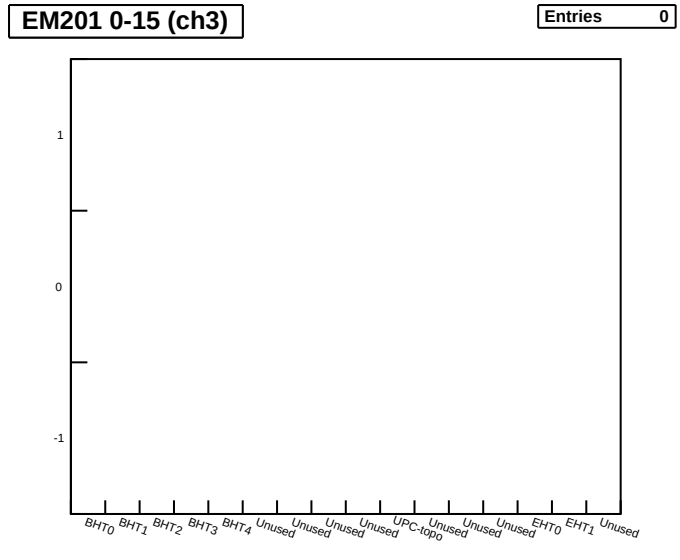

TF201 0-15 (ch0)
Entries 1.3312e+08
8.32e+06
840323
520506
421591
161432
401864
375607
28692
8.32e+06
8.32e+06
8.32e+06
8.32e+06
8.32e+06
7.47968e+06
7.79949e+06
7.69841e+06
8.15857e+06
8.32e+06
7.91814e+06
7.94439e+06
8.29131e+06
8.32e+06
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5


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


VT201 0-15 (ch1)
Entries 1.3312e+08
173871
2.79018e+06
2.29805e+06
37224
1.8357e+06
3.12289e+06
3
14994
209970
290
160628
207472
2017
157328
247352
8.14613e+06
5.52952e+06
6.02195e+06
8.28278e+06
6.4843e+06
5.19711e+06
8.32e+06
8.30501e+06
8.11003e+06
8.31971e+06
8.32e+06
8.15937e+06
8.11253e+06
8.31798e+06
8.16267e+06
8.07265e+06
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


VT201 0-15 (ch1)
Entries 0
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 1.3312e+08
8.32e+06
8.32e+06
8.32e+06
8.32e+06
8.32e+06
8.32e+06
8.32e+06
8.32e+06
8.32e+06
8.32e+06
8.32e+06
8.32e+06
8.32e+06
8.32e+06
8.32e+06
8.32e+06
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1


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