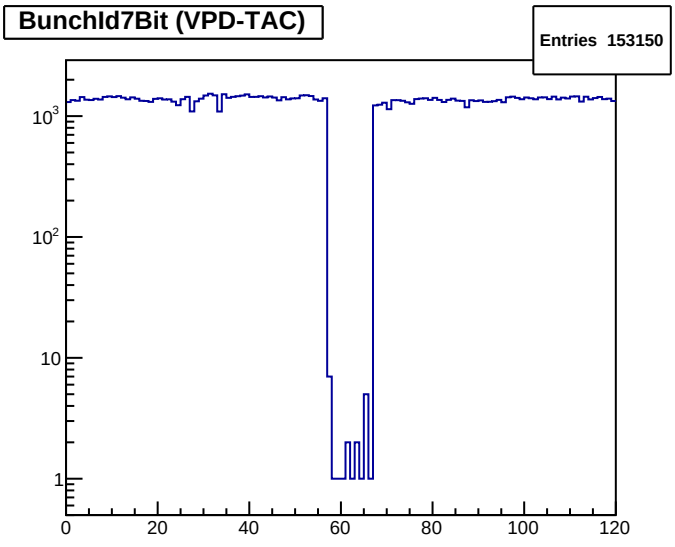
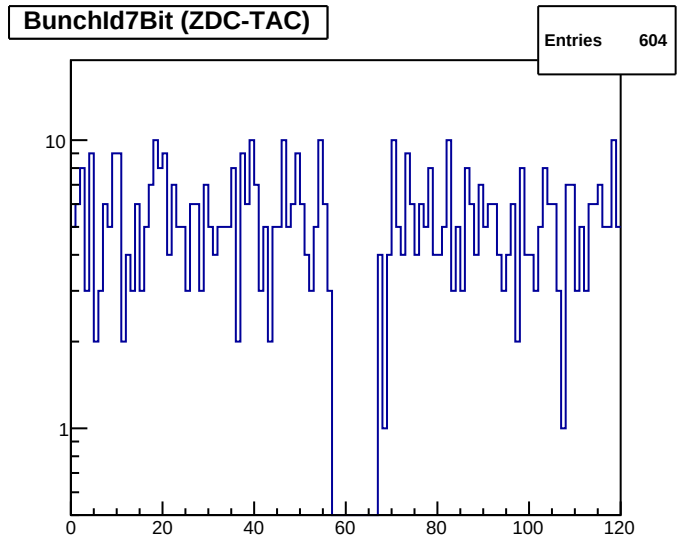
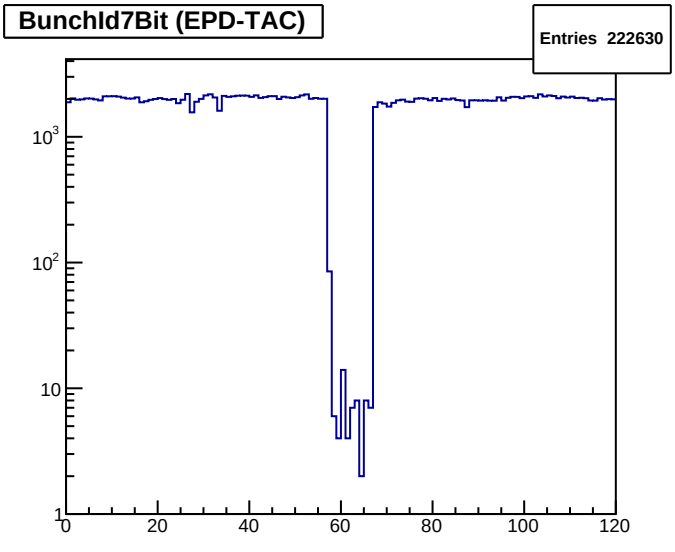
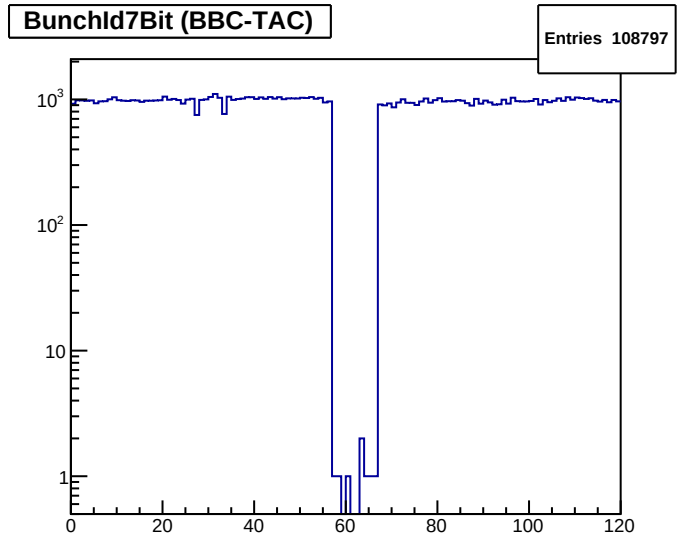
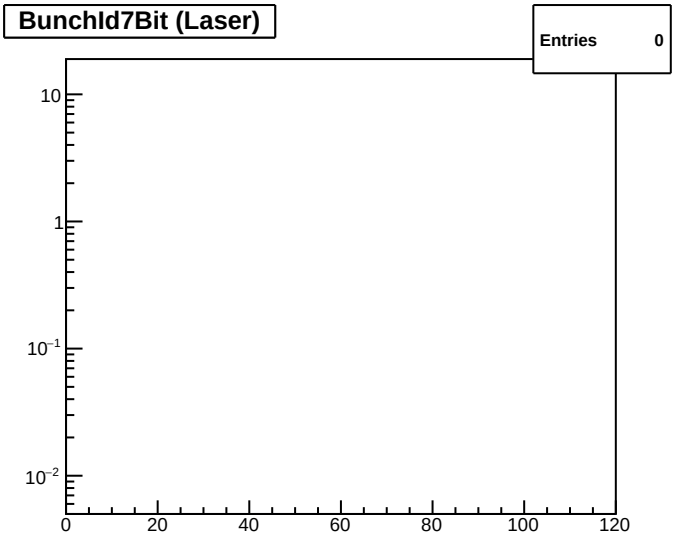
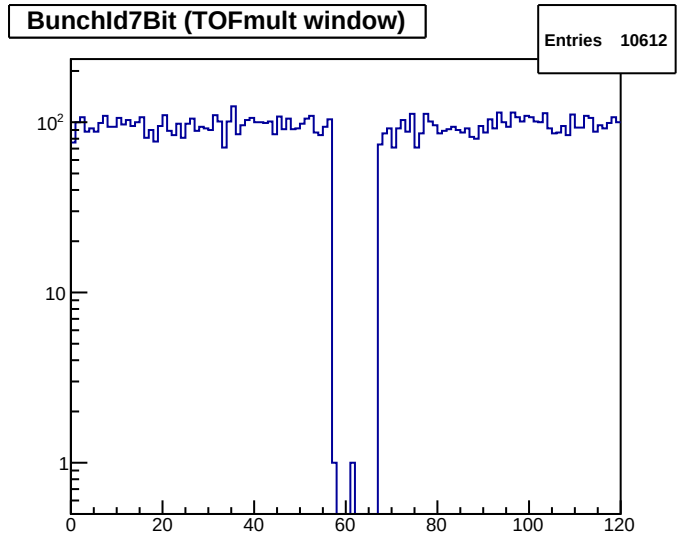

BunchId7Bit (VPD-TAC)
Entries 153150

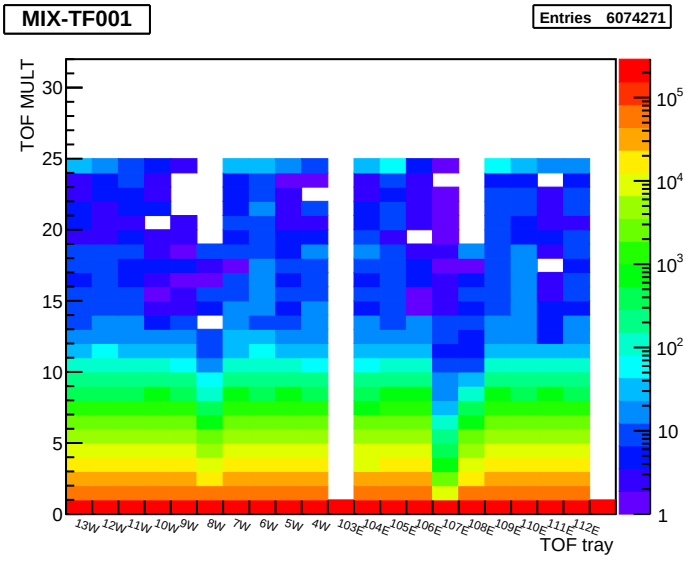

BunchId7Bit (ZDC-TAC)
Entries 604

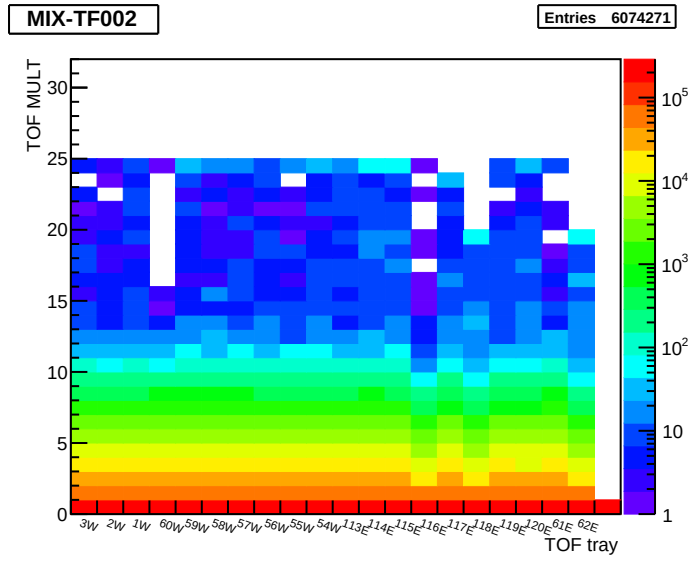

BunchId7Bit (EPD-TAC)
Entries 222630

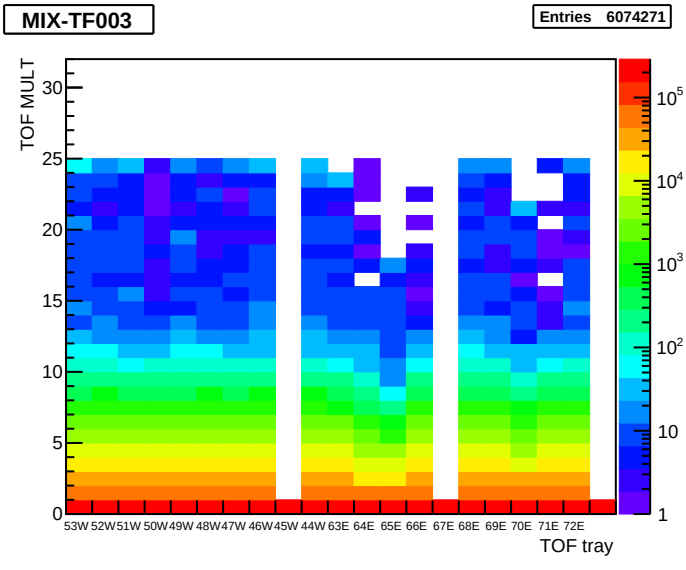

BunchId7Bit (BBC-TAC)
Entries 108797

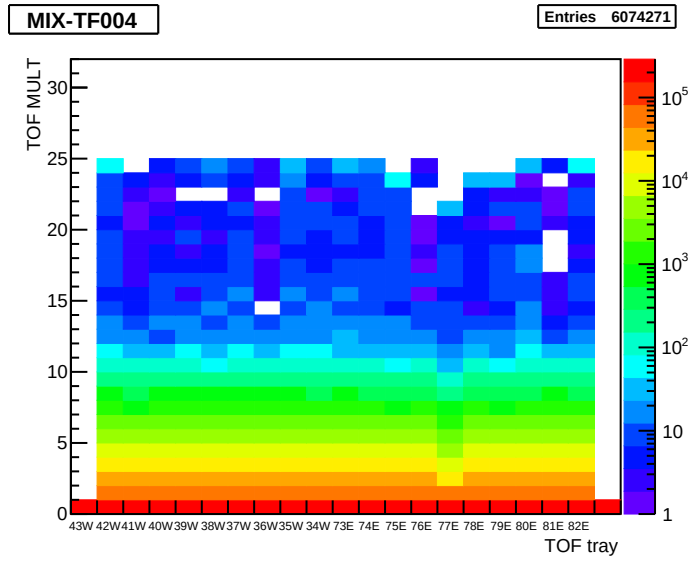

BunchId7Bit (Laser)
Entries 0

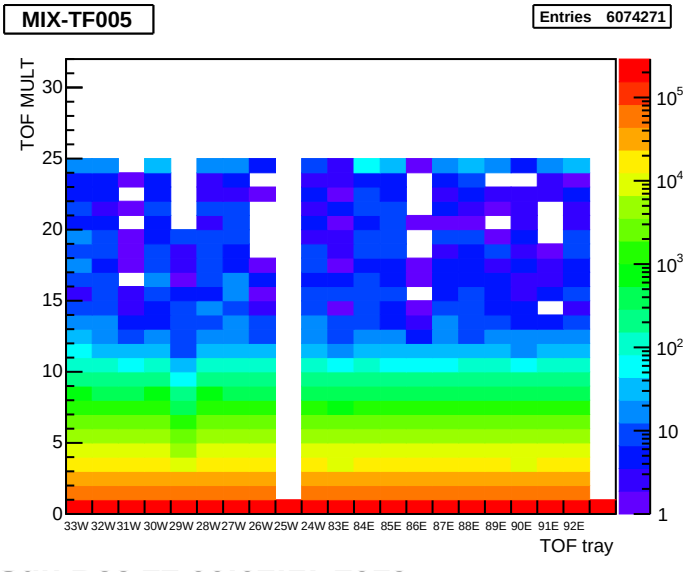

BunchId7Bit (TOFmult window)
Entries 10612

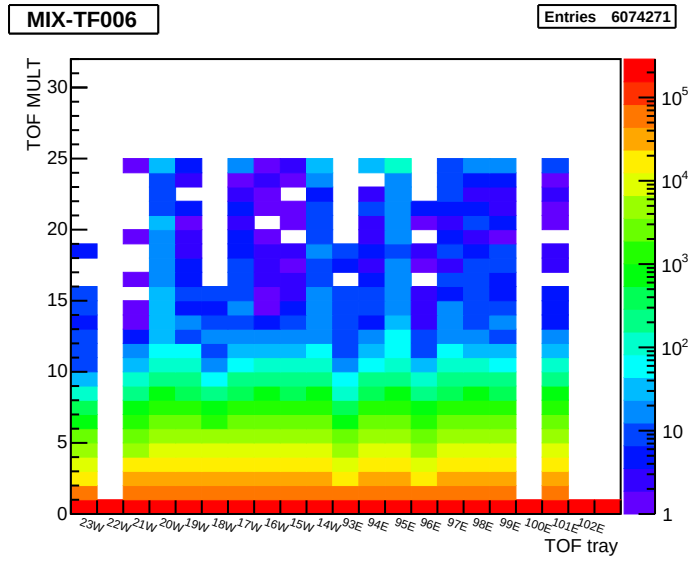

MIX-TF001
Entries 6074271
TOF MULT
TOF tray

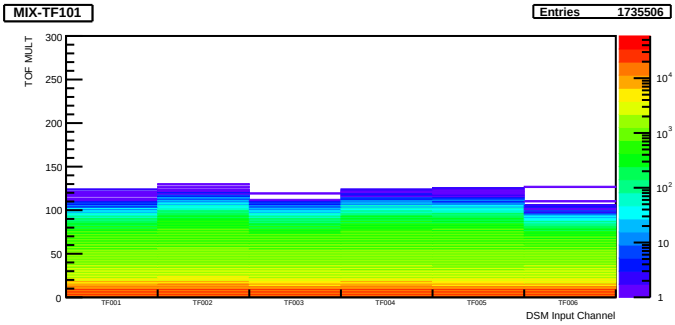

MIX-TF002
Entries 6074271
TOF MULT
TOF tray

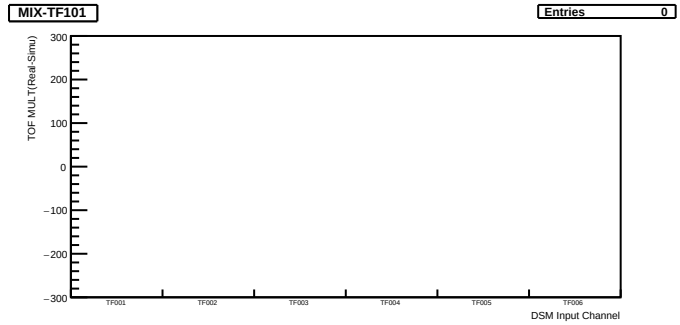

MIX-TF003
Entries 6074271
TOF MULT
TOF tray

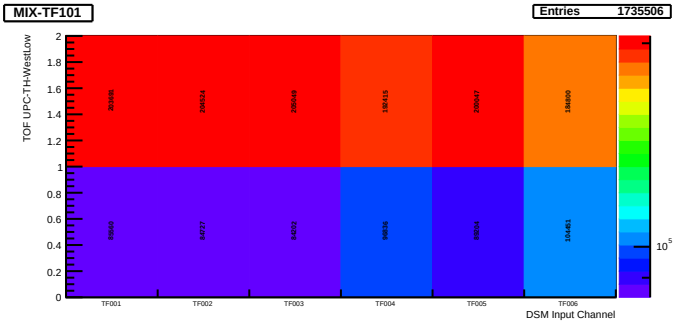

MIX-TF004
Entries 6074271
TOF MULT
TOF tray

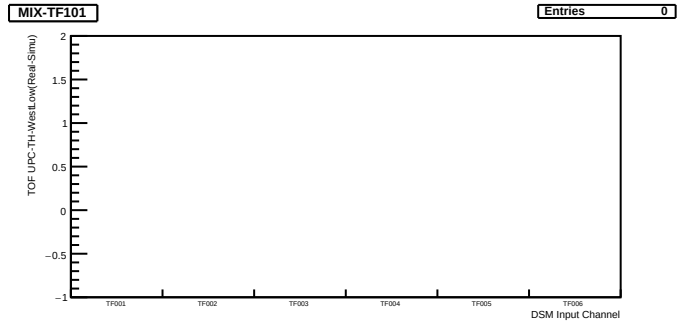

MIX-TF005
Entries 6074271
TOF MULT
TOF tray

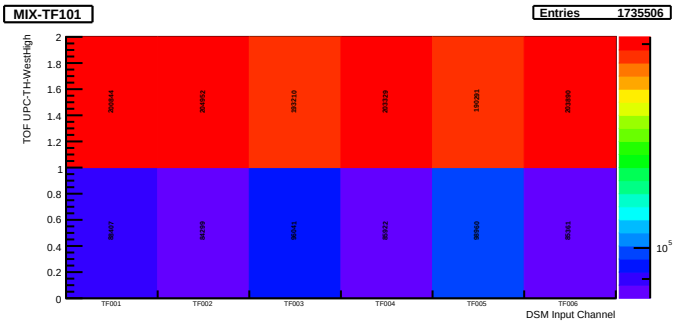

MIX-TF006
Entries 6074271
TOF MULT
TOF tray

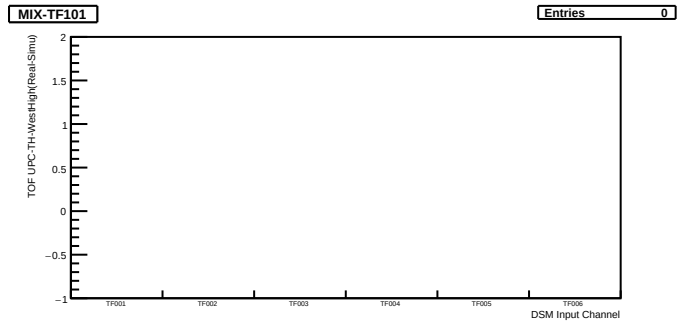

MIX-TF101
Entries 1735506
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

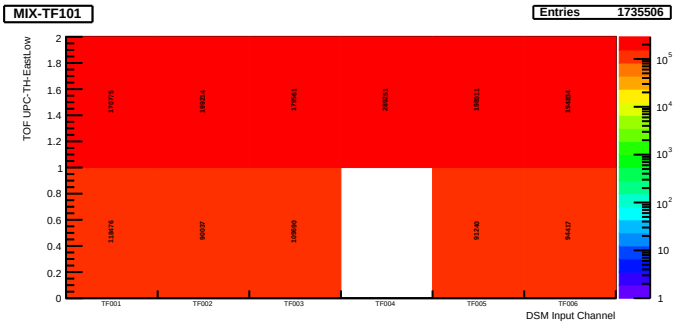

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

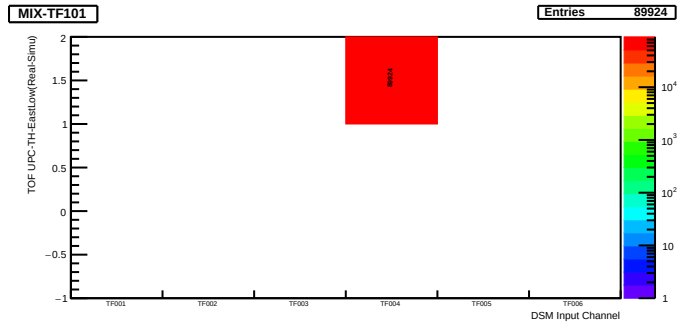

MIX-TF101
Entries 1735506
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

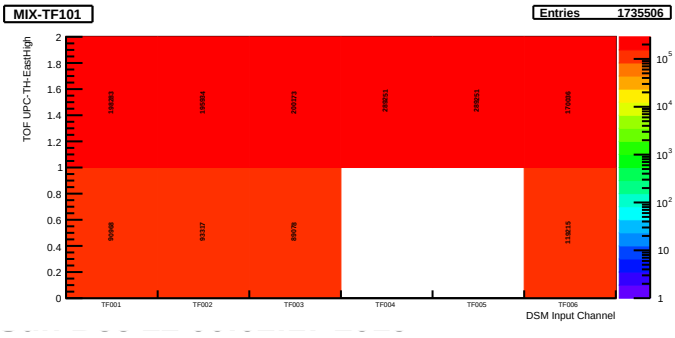

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

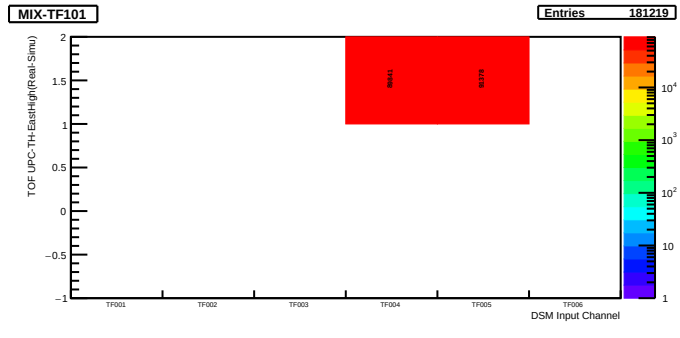

MIX-TF101
Entries 1735506
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

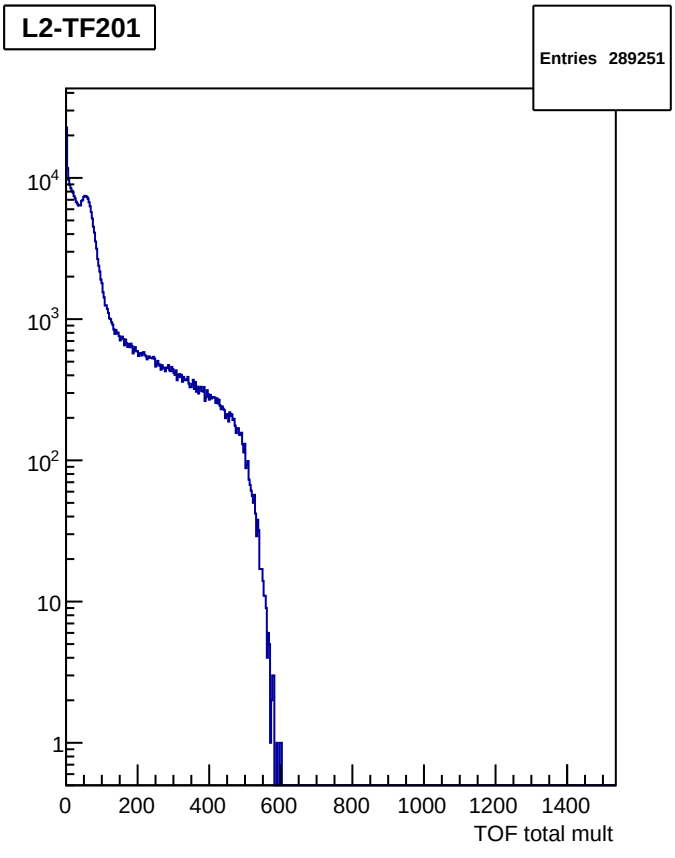

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

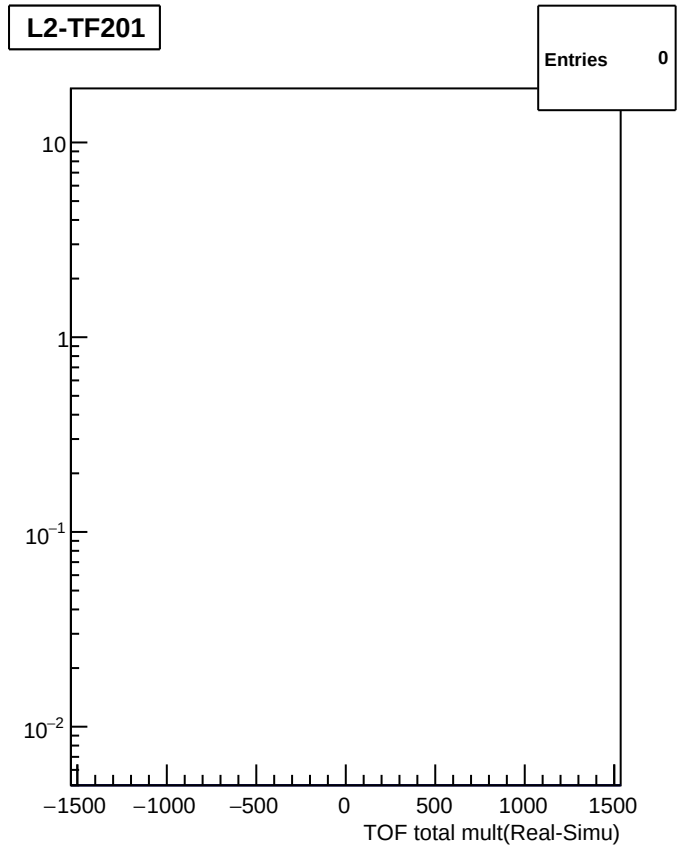

MIX-TF101
Entries 1735506
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

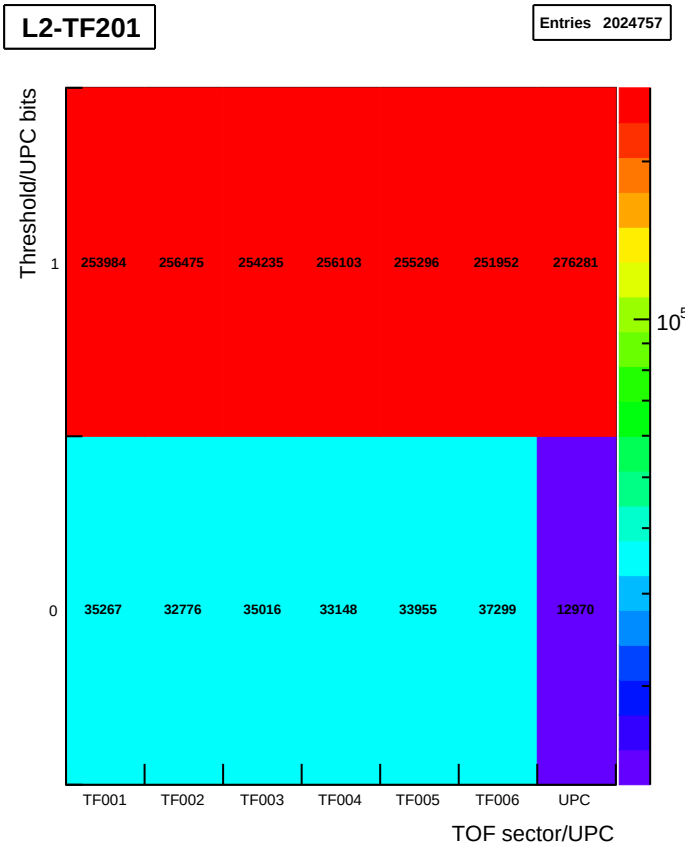

MIX-TF101
Entries 89924
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

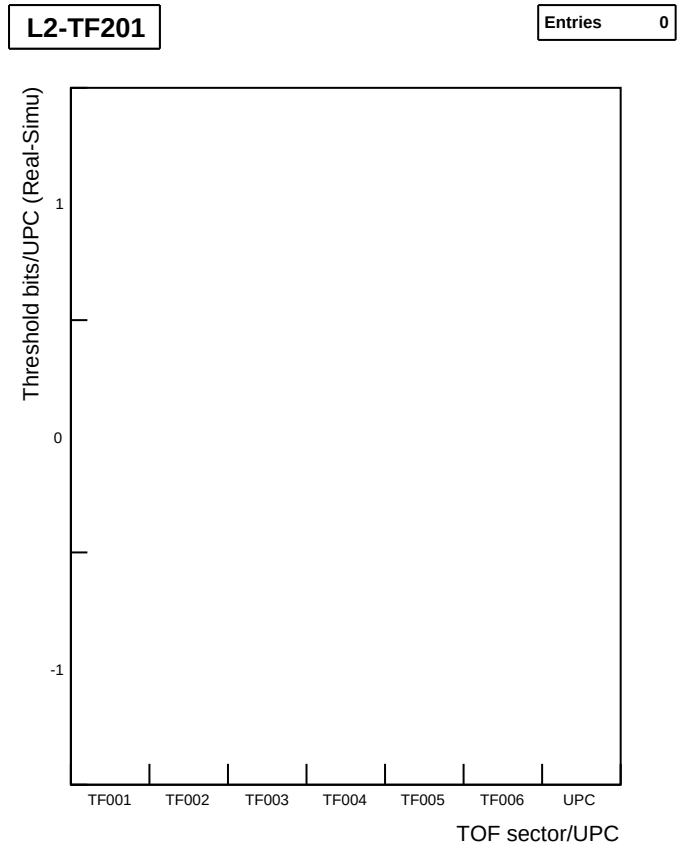

MIX-TF101
Entries 1735506
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

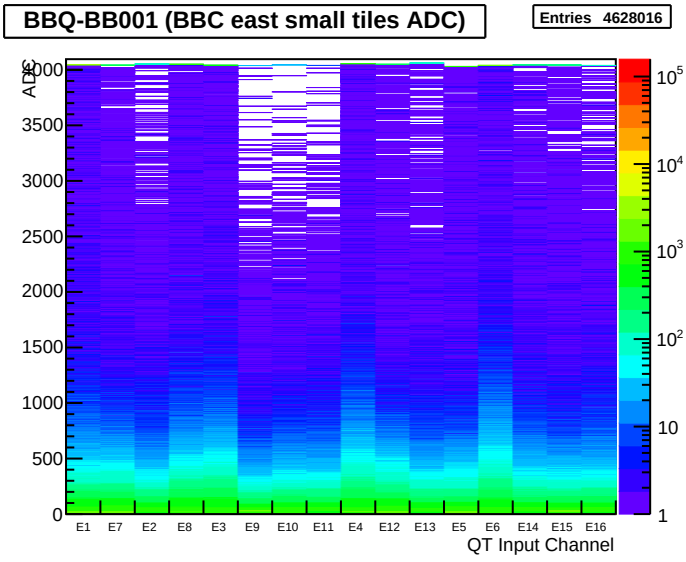

MIX-TF101
Entries 181219
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

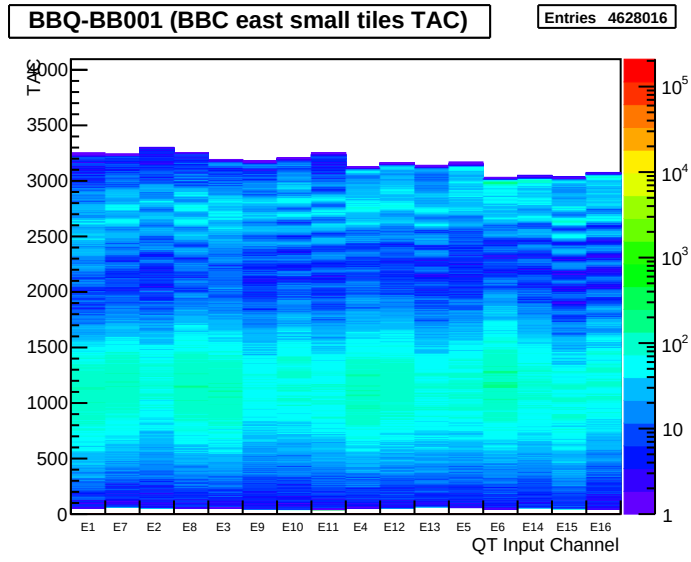

L2-TF201
Entries 289251
$10^4$
$10^3$
$10^2$
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

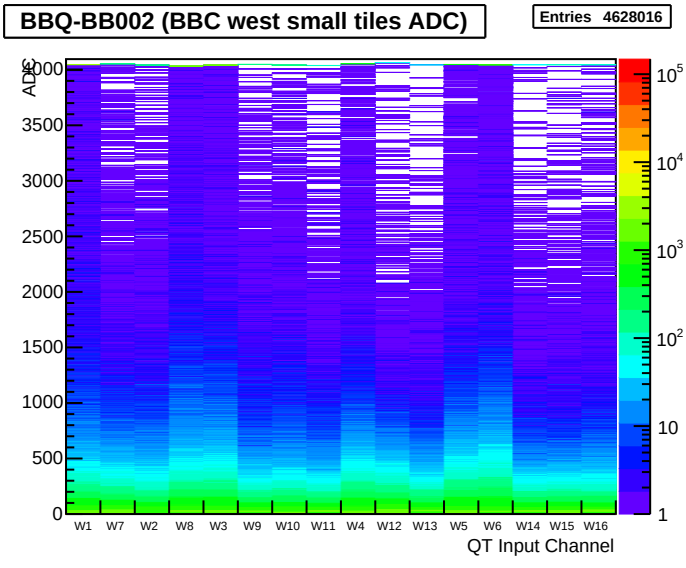

L2-TF201
Entries 0
10
1
$10^{-1}$
$10^{-2}$
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

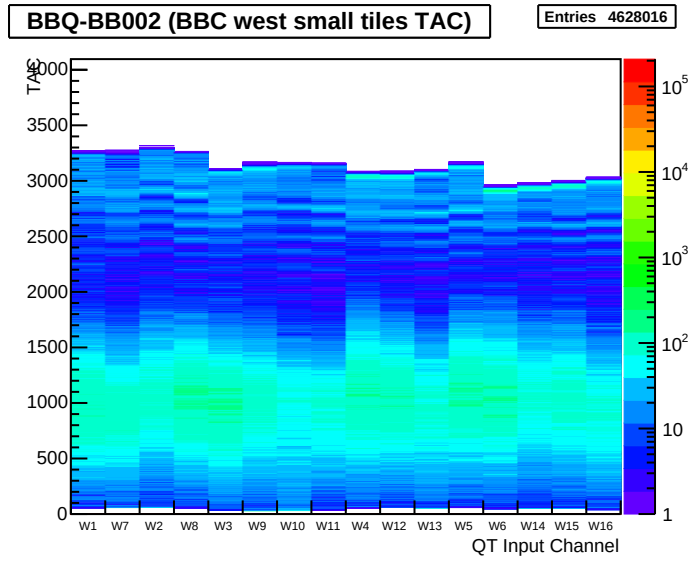

L2-TF201
Entries 2024757
Threshold/UPC bits
1
0
253984
256475
254235
256103
255296
251952
276281
35267
32776
35016
33148
33955
37299
12970
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

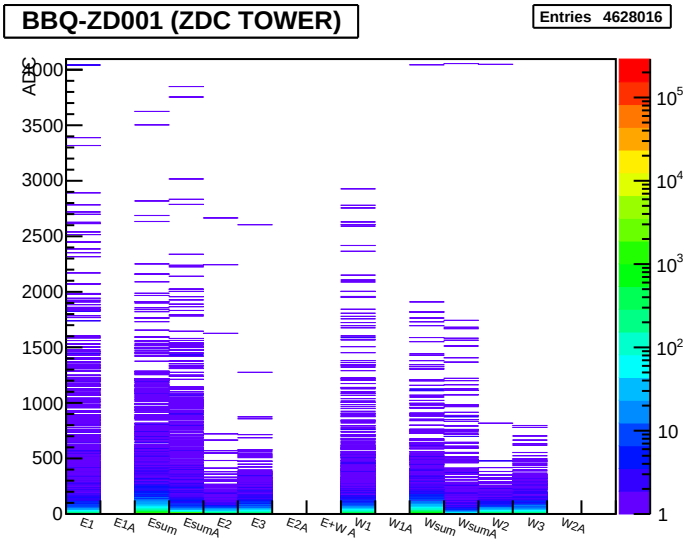

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

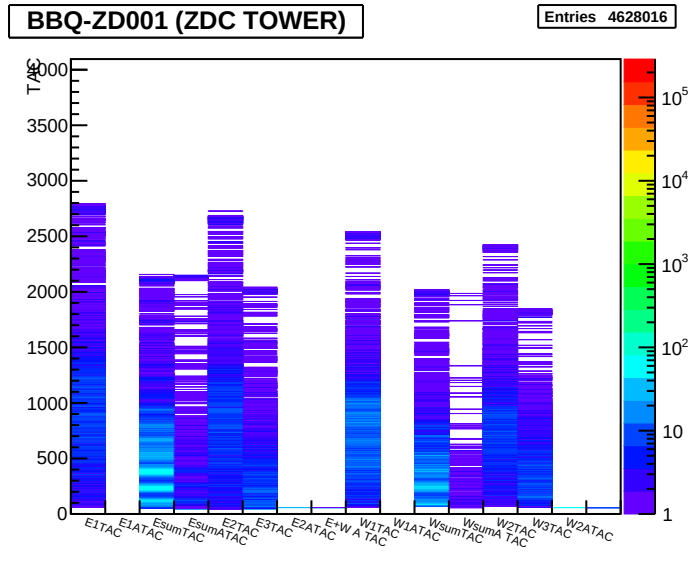

BBQ-BB001 (BBC east small tiles ADC)
Entries 4628016
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

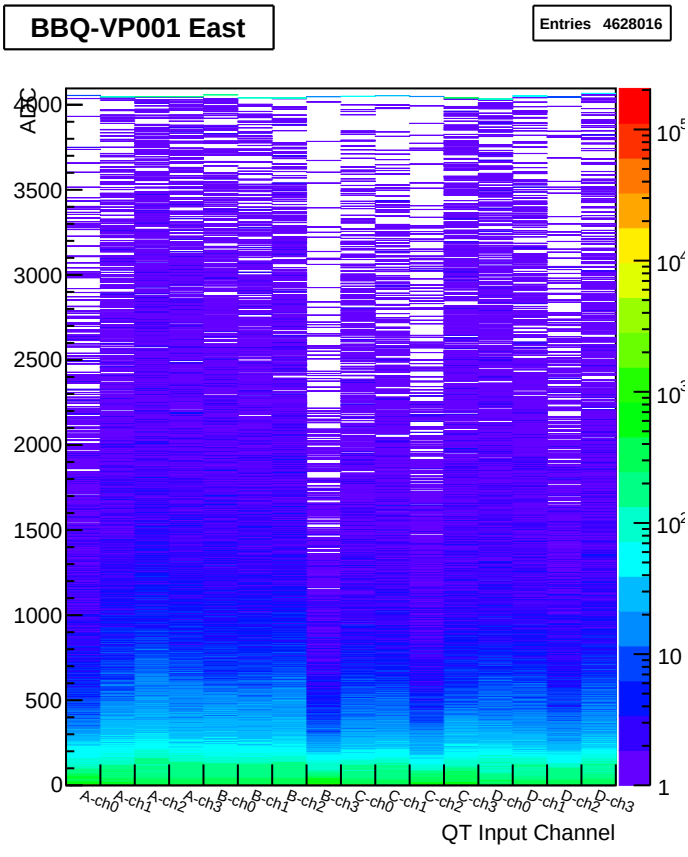

BBQ-BB001 (BBC east small tiles TAC)
Entries 4628016
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

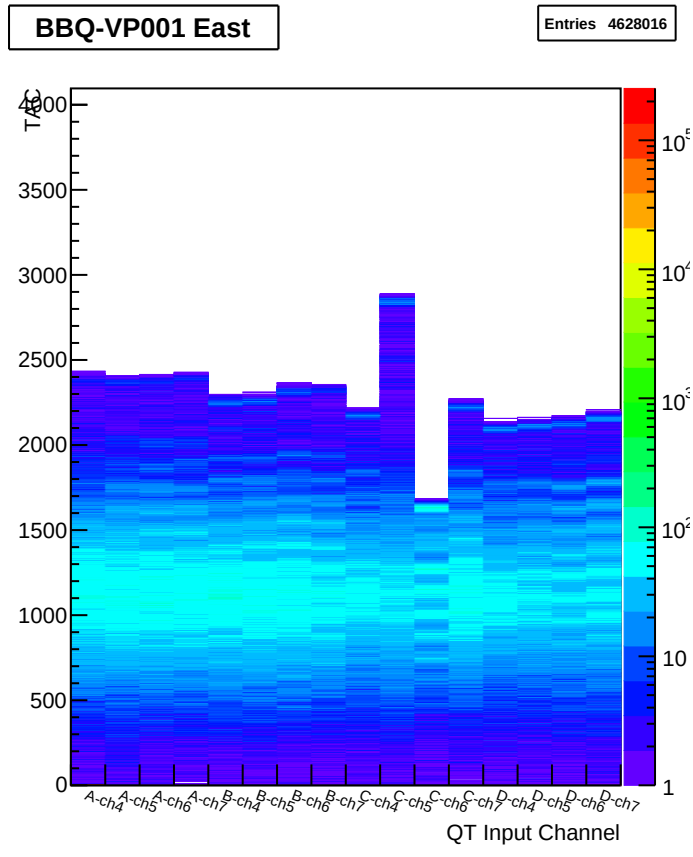

BBQ-BB002 (BBC west small tiles ADC)
Entries 4628016
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

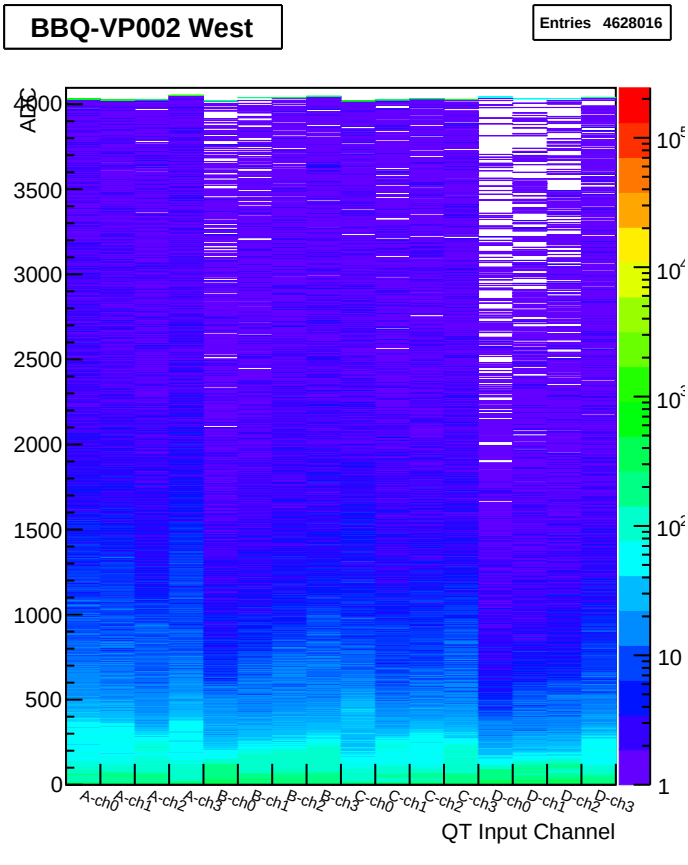

BBQ-BB002 (BBC west small tiles TAC)
Entries 4628016
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

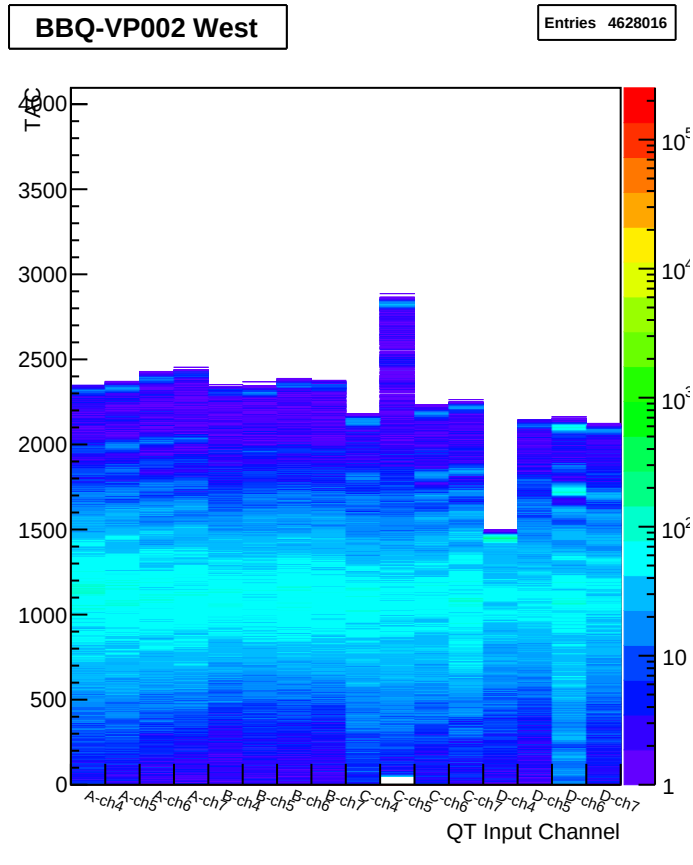

BBQ-ZD001 (ZDC TOWER)
Entries 4628016
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

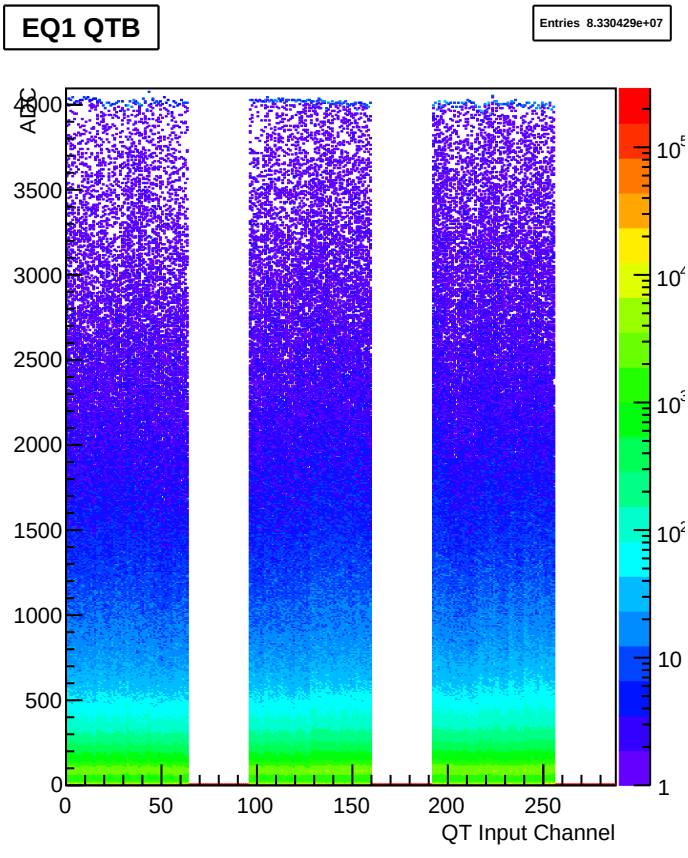

BBQ-ZD001 (ZDC TOWER)
Entries 4628016
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

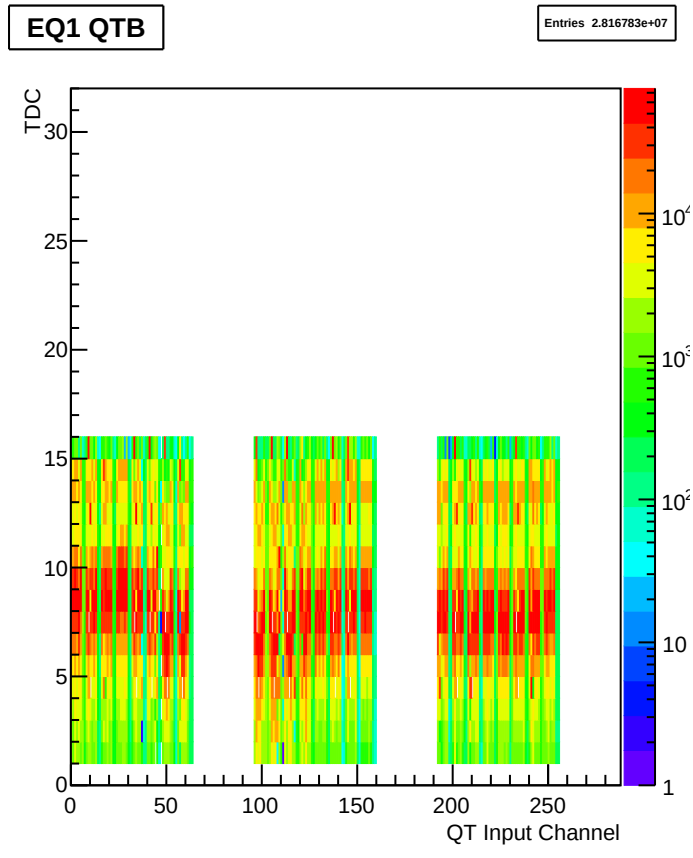

BBQ-VP001 East
Entries 4628016
ADC
QT Input Channel

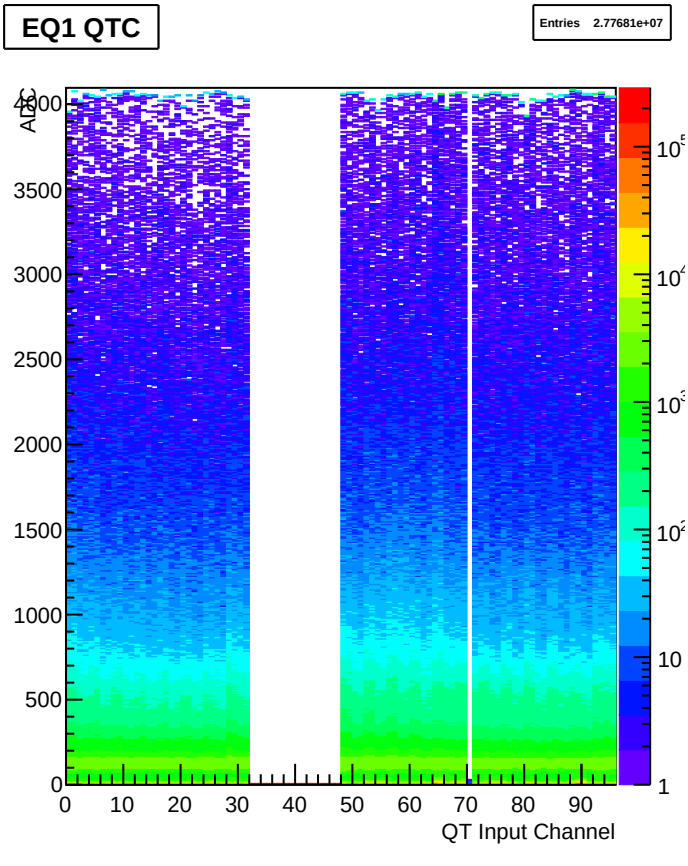

BBQ-VP001 East
Entries 4628016
TADC
QT Input Channel

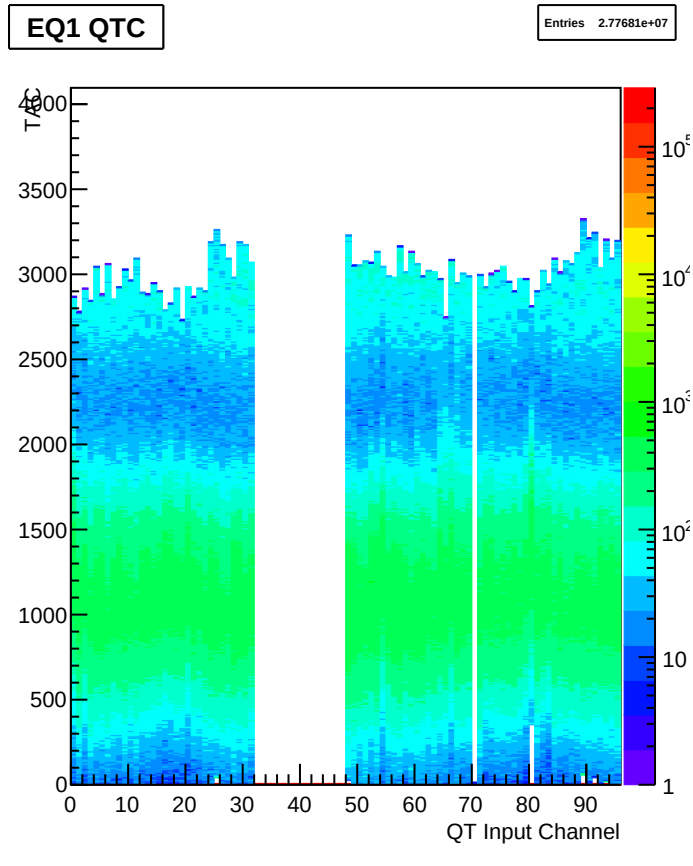

BBQ-VP002 West
Entries 4628016
ADC
QT Input Channel

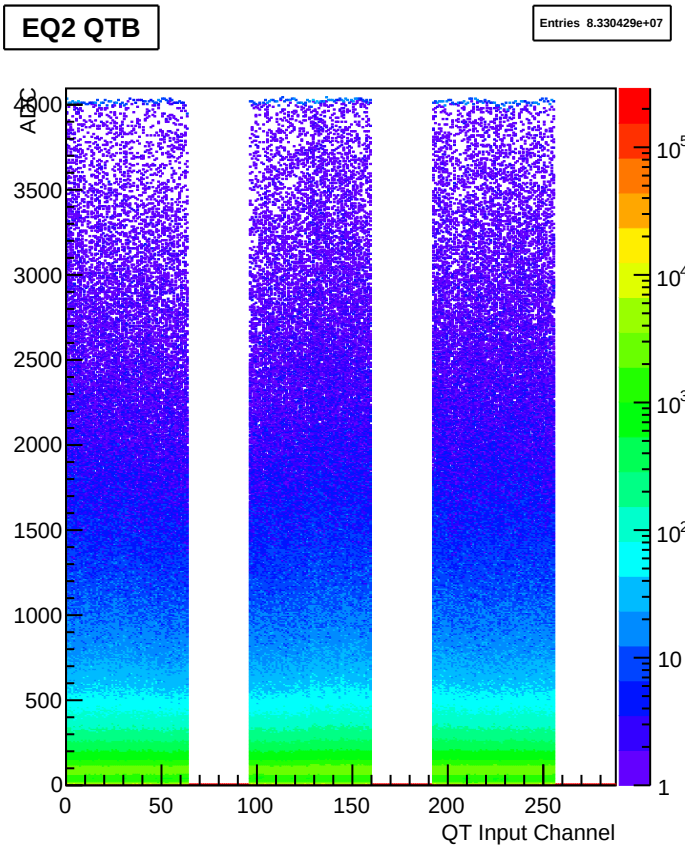

BBQ-VP002 West
Entries 4628016
TADC
QT Input Channel

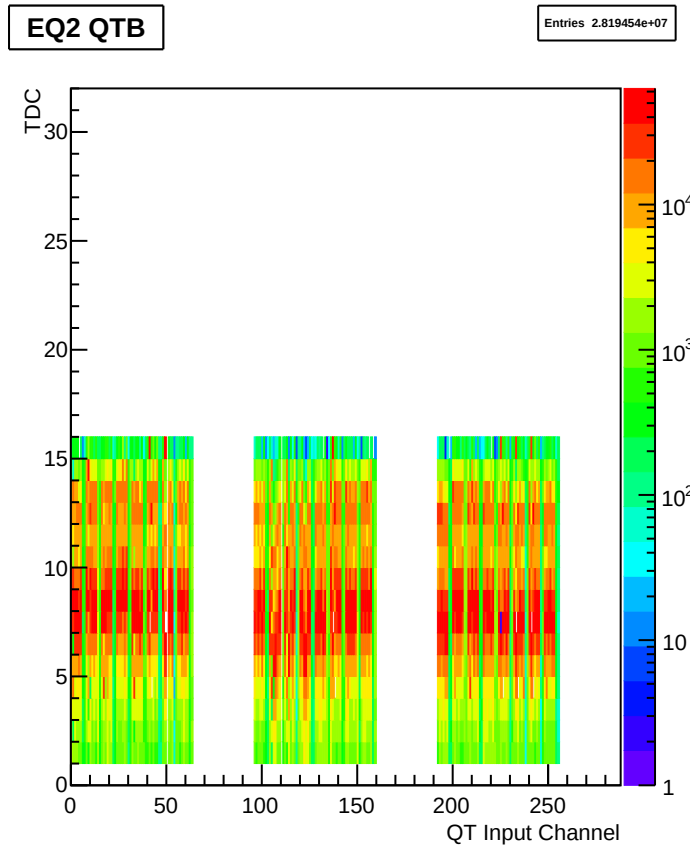

EQ1 QTB
Entries 8.330429e+07
ADC
QT Input Channel

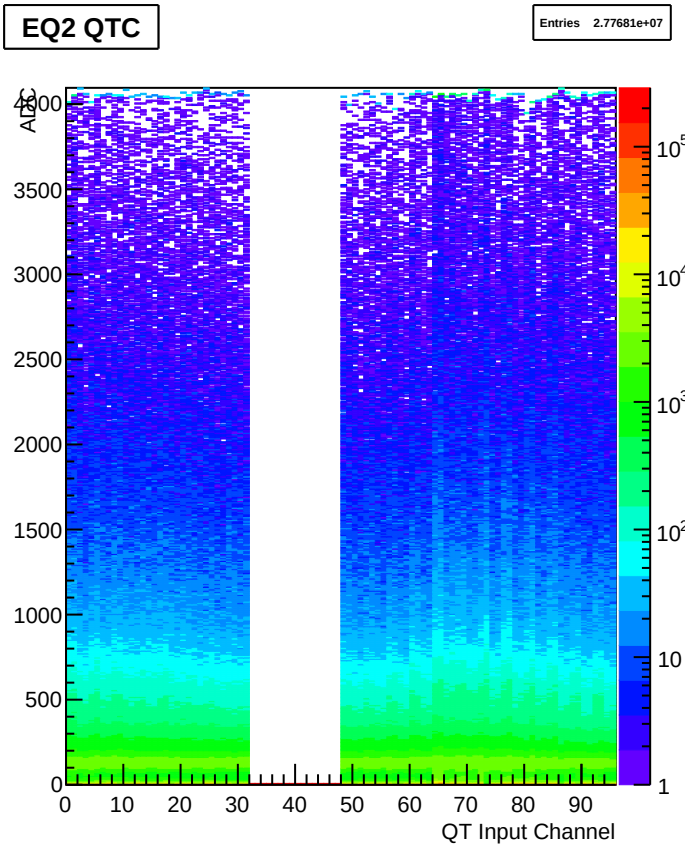

EQ1 QTB
Entries 2.816783e+07
TDC
QT Input Channel

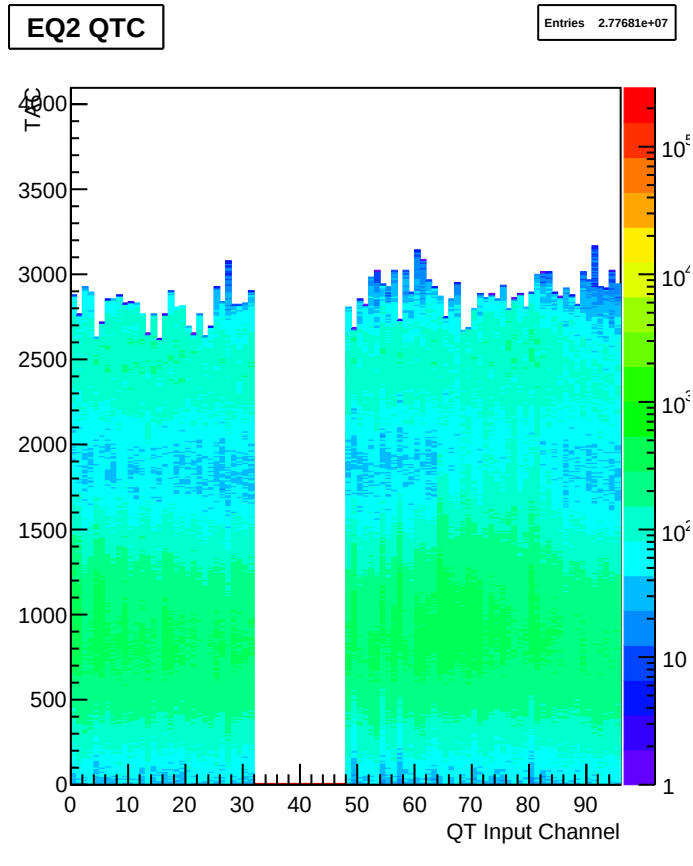

EQ1 QTC
Entries 2.77681e+07
ADC
QT Input Channel

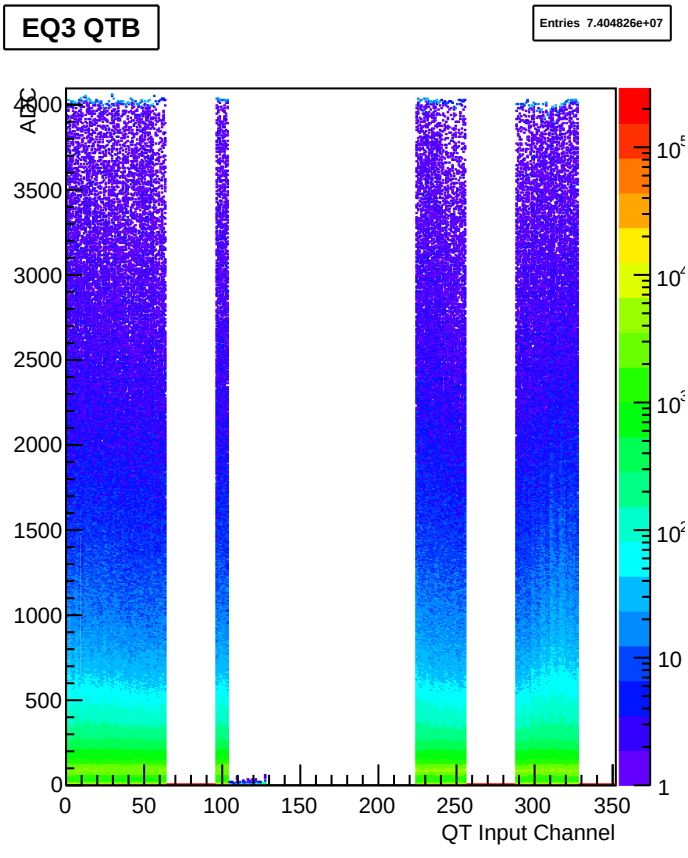

EQ1 QTC
Entries 2.77681e+07
TADC
QT Input Channel

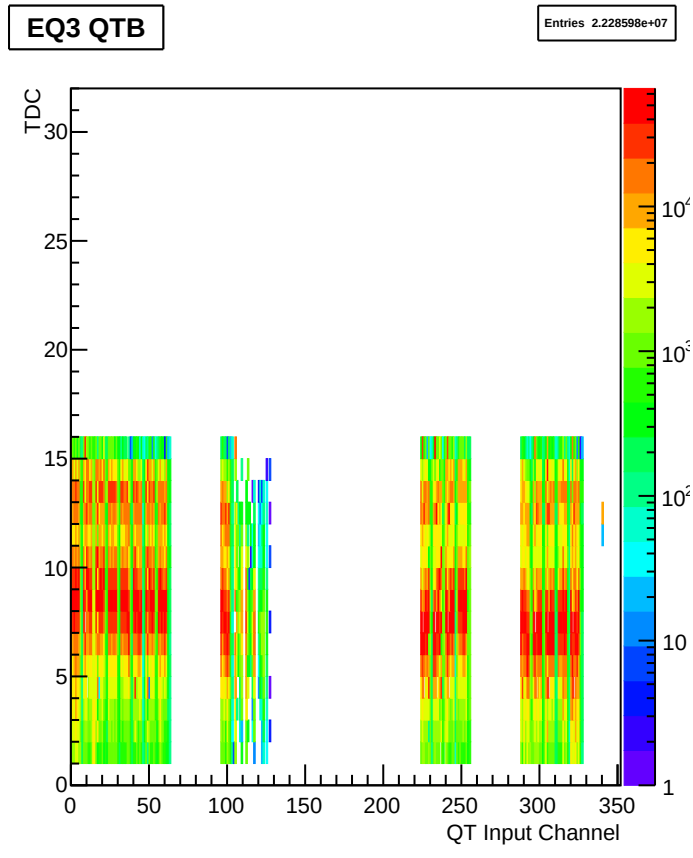

EQ2 QTB
Entries 8.330429e+07
ADC
QT Input Channel

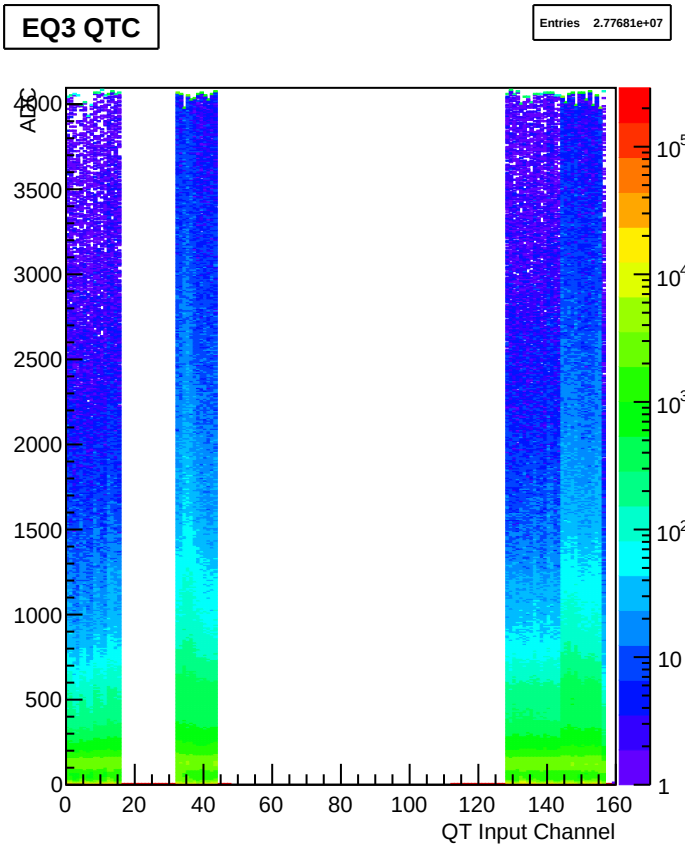

EQ2 QTB
Entries 2.819454e+07
TDC
QT Input Channel

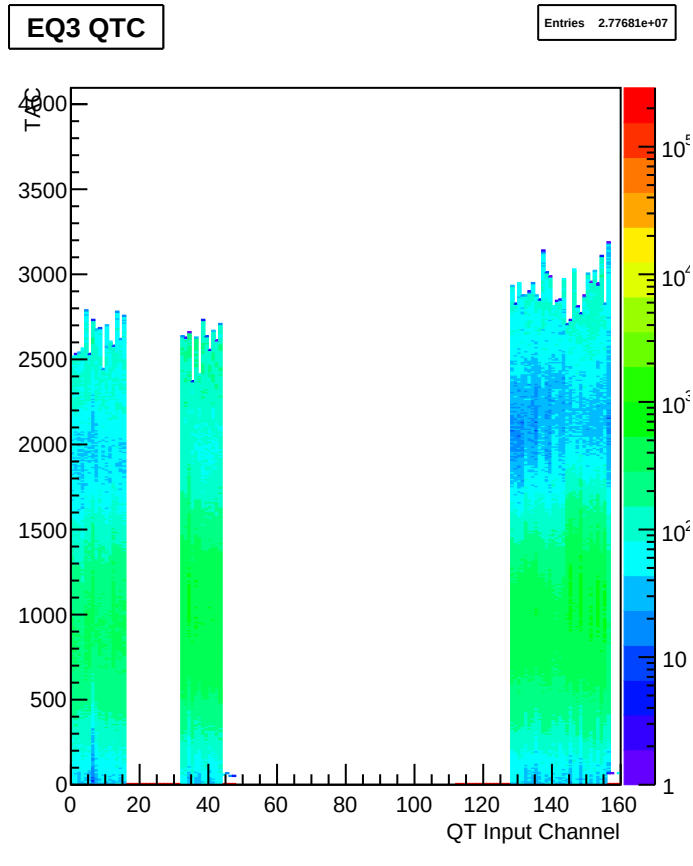

EQ2 QTC
Entries 2.77681e+07
ADC
QT Input Channel

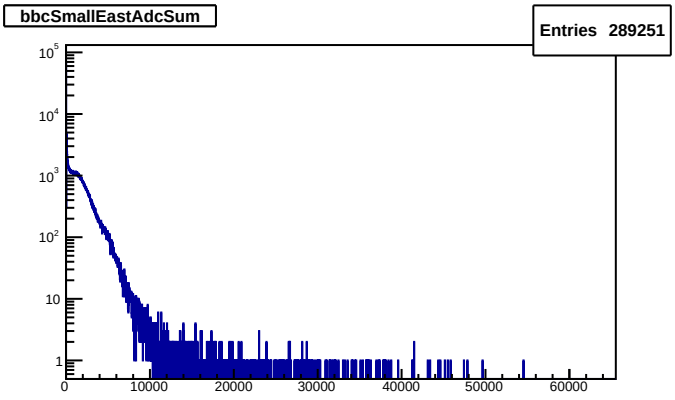

EQ2 QTC
Entries 2.77681e+07
TADC
QT Input Channel

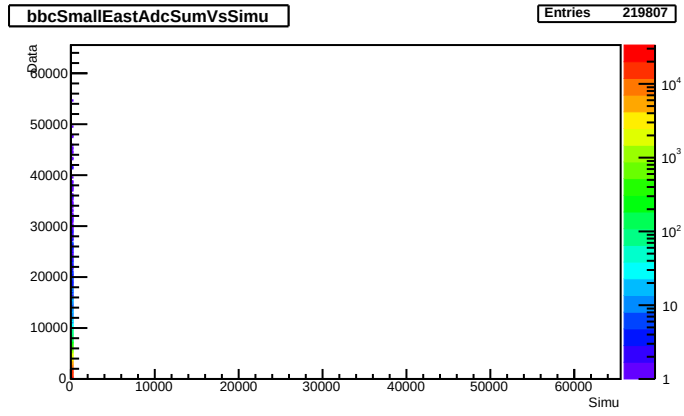

EQ3 QTB
Entries 7.404826e+07
ADC
QT Input Channel

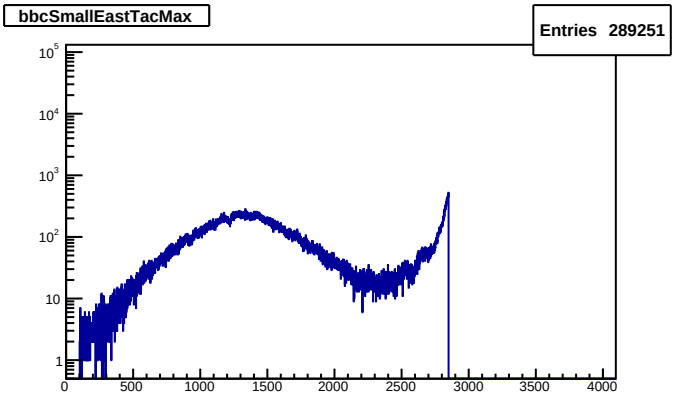

EQ3 QTB
Entries 2.228598e+07
TDC
QT Input Channel

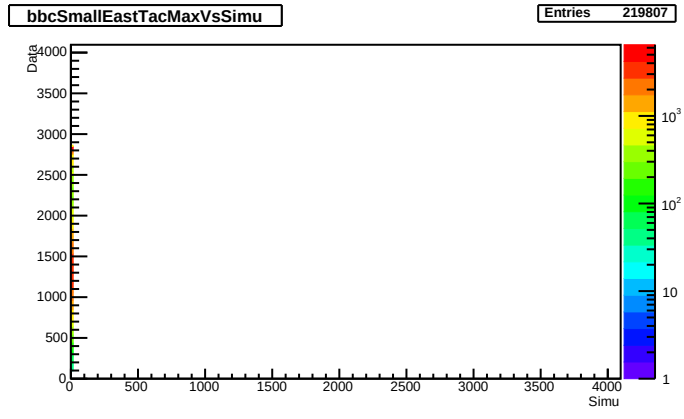

EQ3 QTC
Entries 2.77681e+07
ADC
QT Input Channel

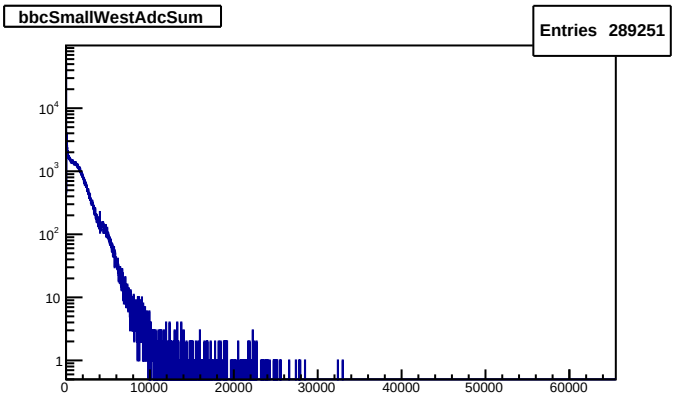

EQ3 QTC
Entries 2.77681e+07
TADC
QT Input Channel

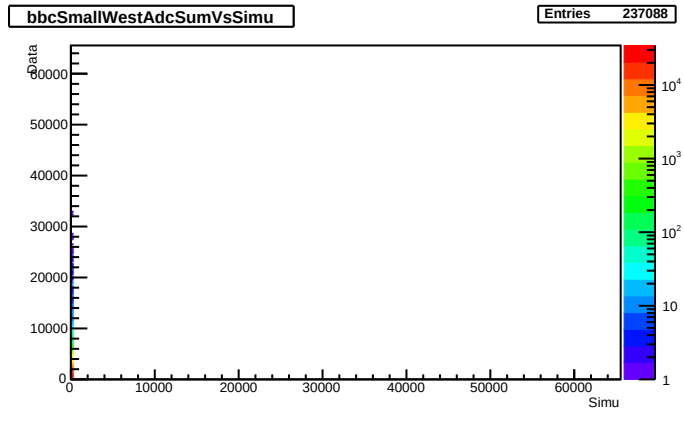

bbcSmallEastAdcSum
Entries 289251

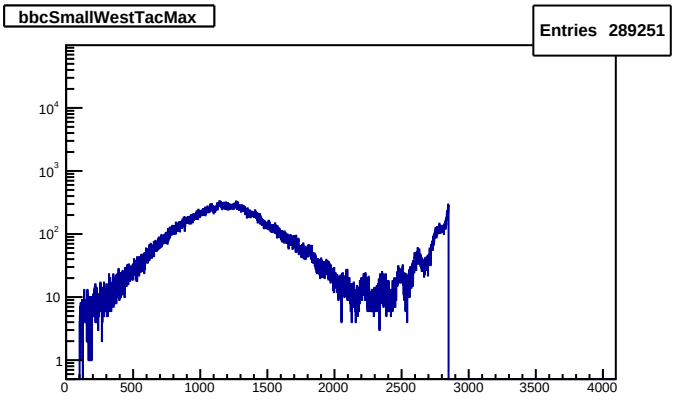

bbcSmallEastAdcSumVsSimu
Entries 219807
Data
Simu

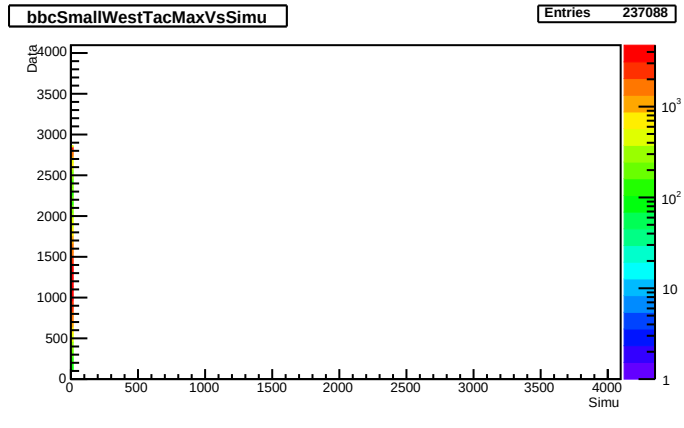

bbcSmallEastTacMax
Entries 289251

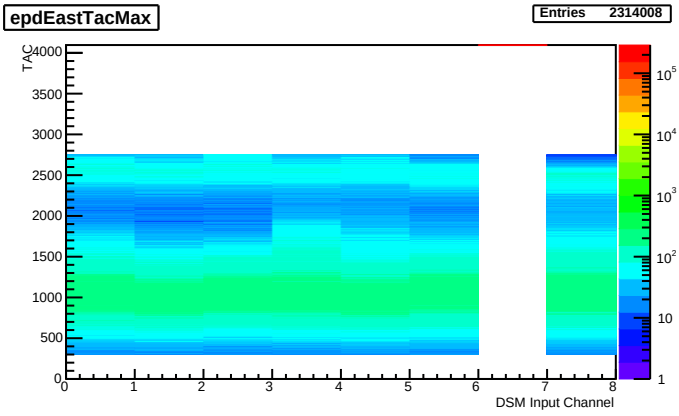

bbcSmallEastTacMaxVsSimu
Entries 219807
Data
Simu

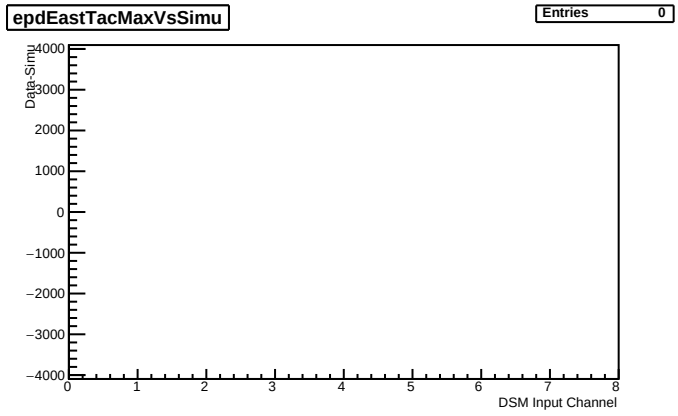

bbcSmallWestAdcSum
Entries 289251

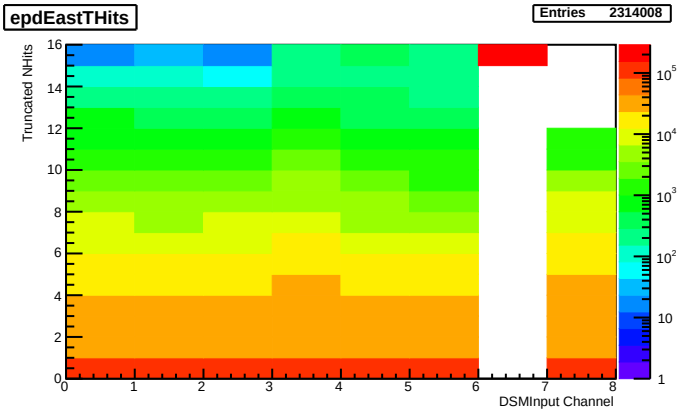

bbcSmallWestAdcSumVsSimu
Entries 237088
Data
Simu

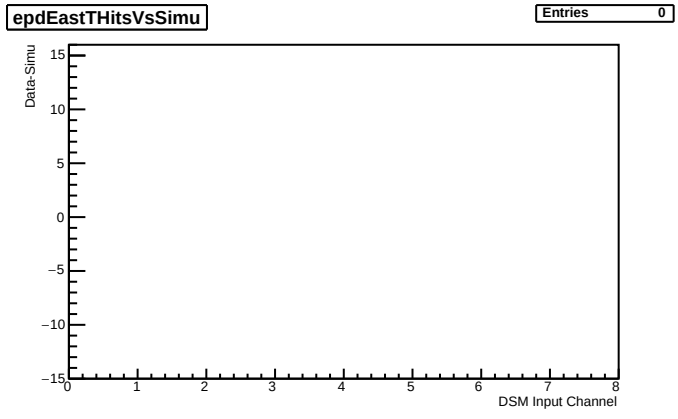

bbcSmallWestTacMax
Entries 289251

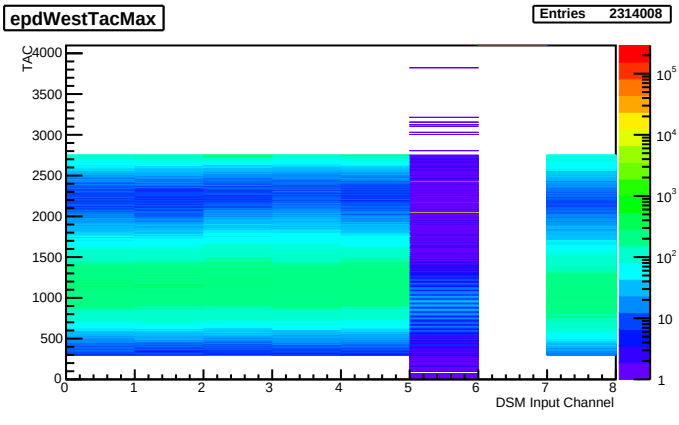

bbcSmallWestTacMaxVsSimu
Entries 237088
Data
Simu

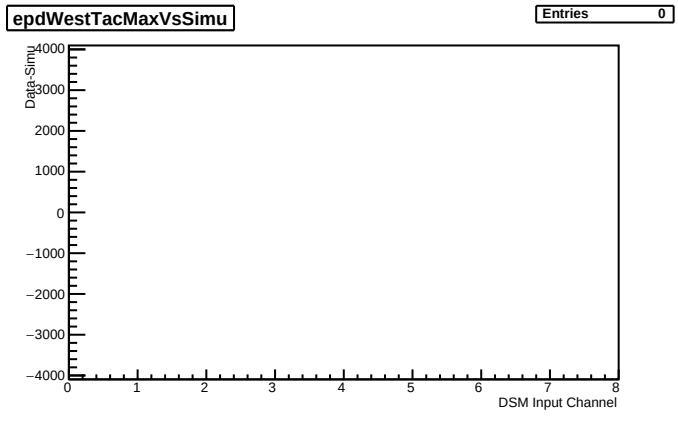

epdEastTacMax
Entries 2314008
TAC
DSM Input Channel

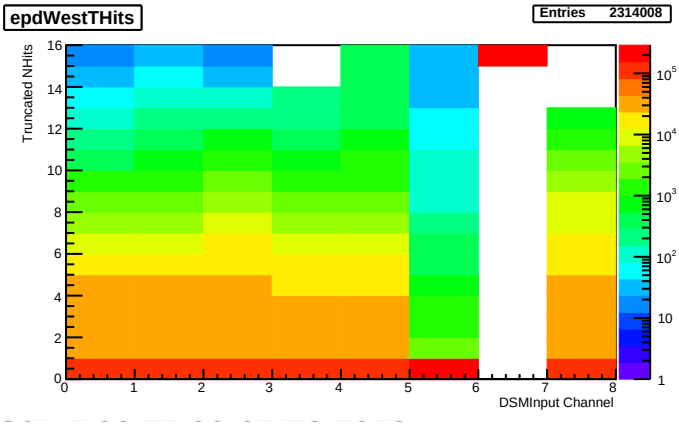

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

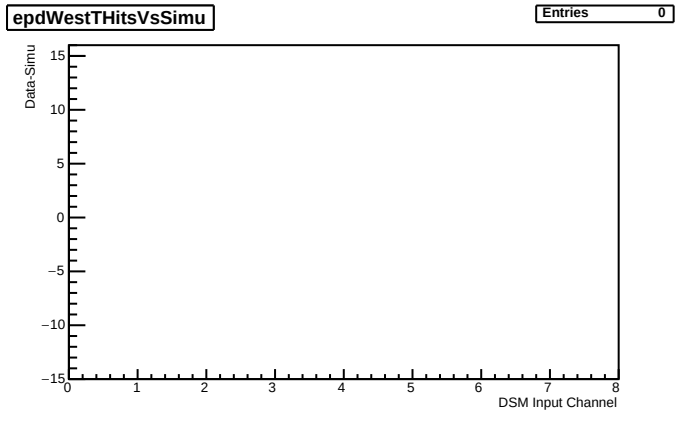

epdEastTHits
Entries 2314008
Truncated NHits
DSMInput Channel

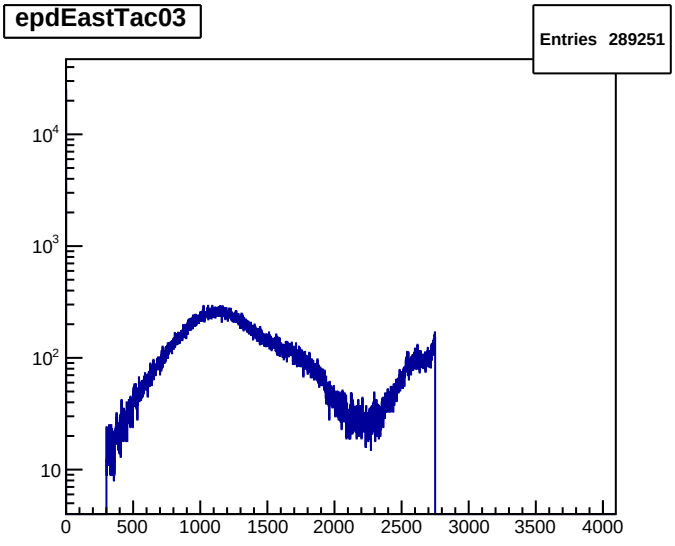

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

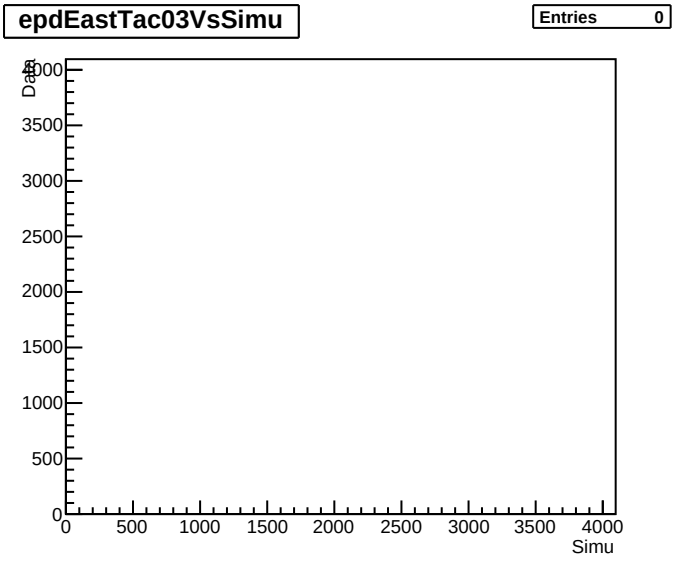

epdWestTacMax
Entries 2314008
TAC
DSM Input Channel

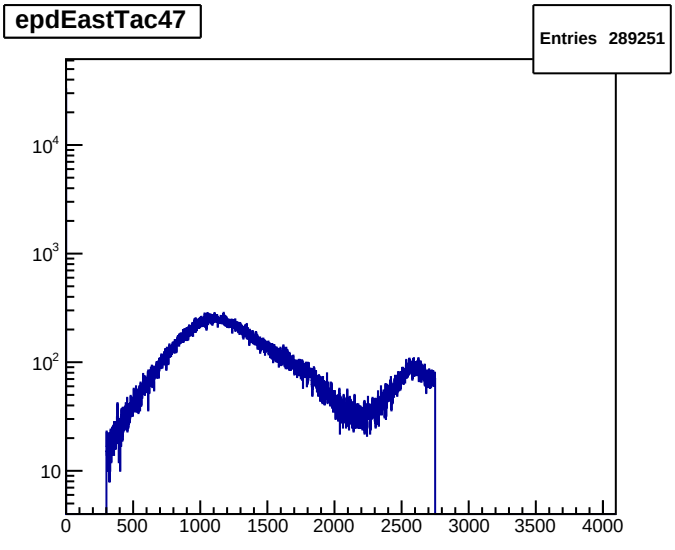

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

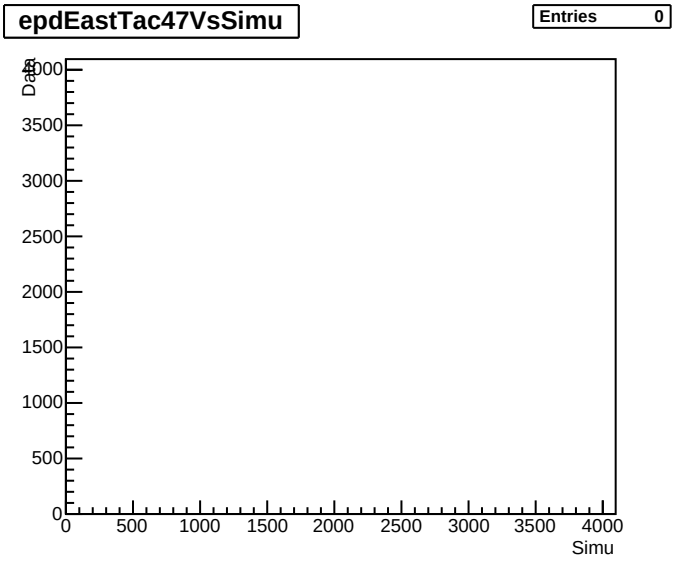

epdWestTHits
Entries 2314008
Truncated NHits
DSMInput Channel

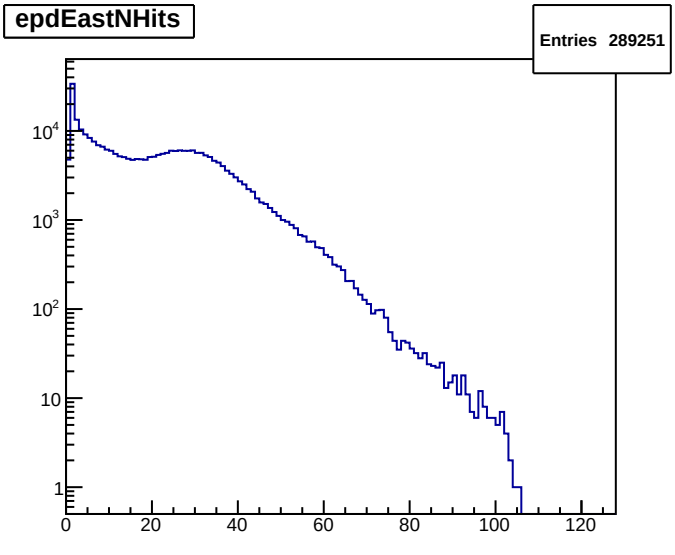

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

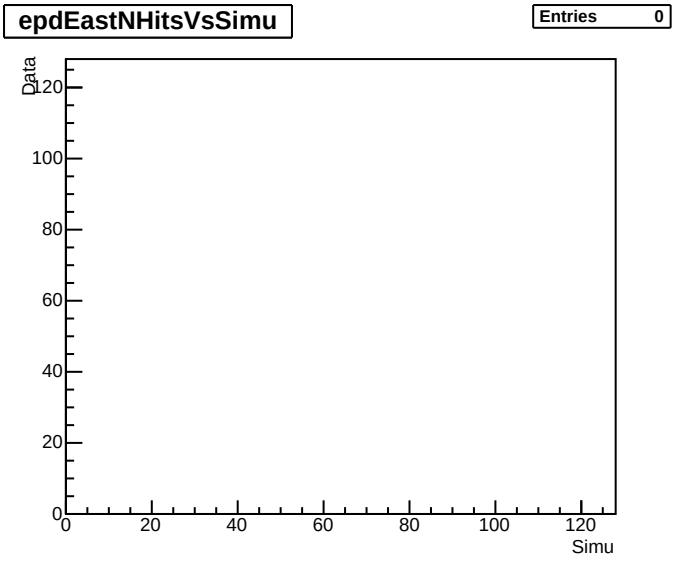

epdEastTac03
Entries 289251

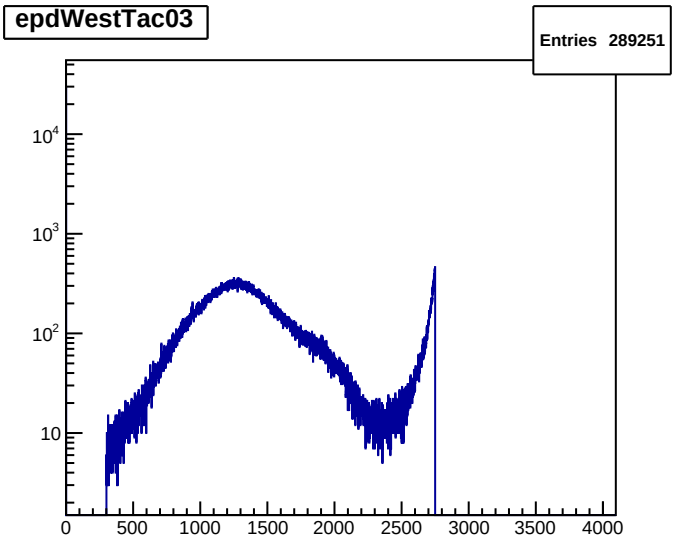

epdEastTac03VsSimu
Entries 0
Data
Simu

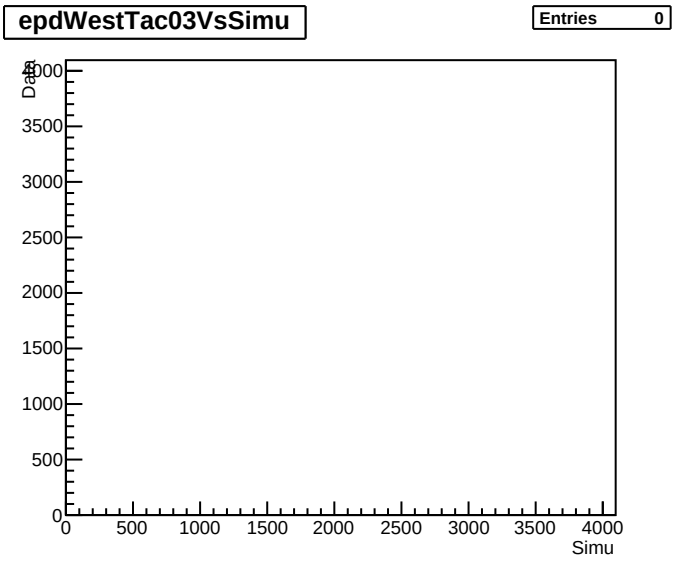

epdEastTac47
Entries 289251

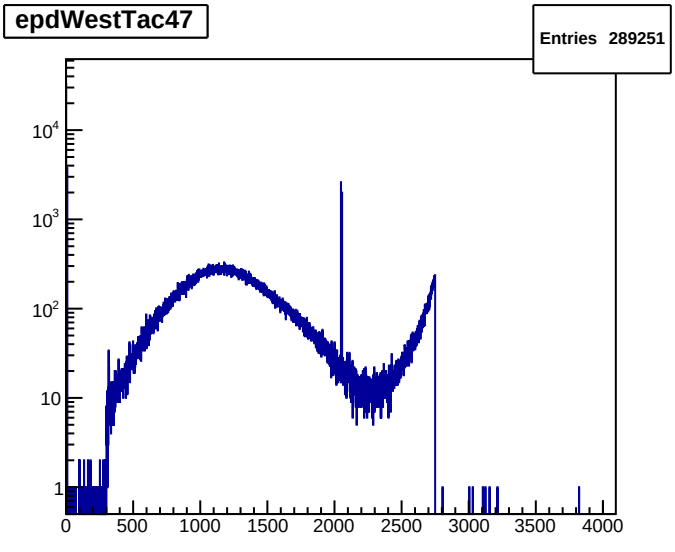

epdEastTac47VsSimu
Entries 0
Data
Simu

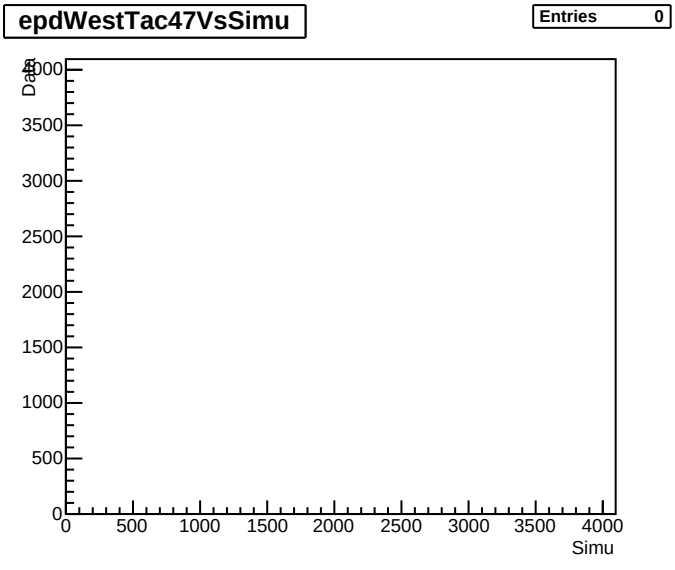

epdEastNHits
Entries 289251

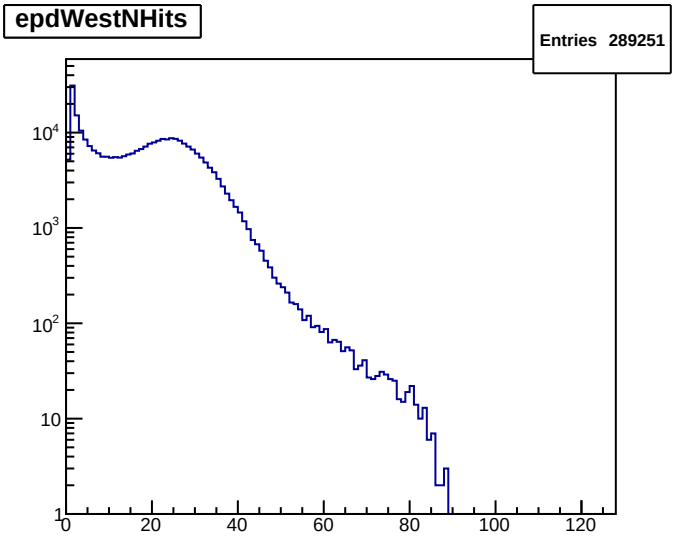

epdEastNHitsVsSimu
Entries 0
Data
Simu

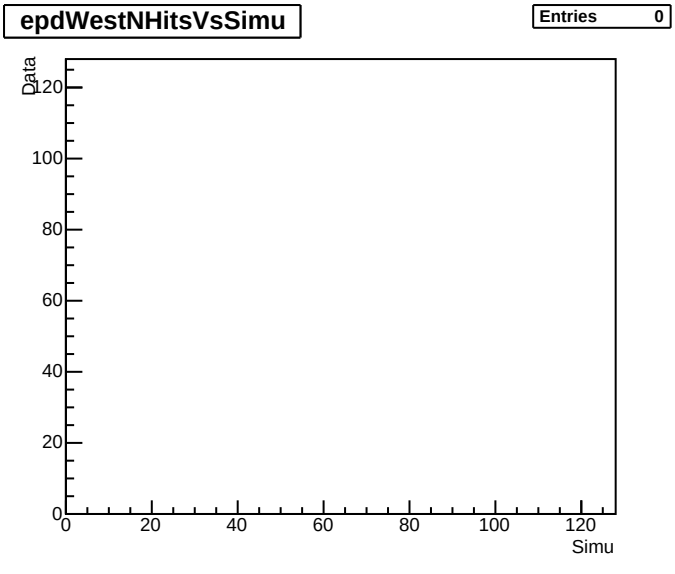

epdWestTac03
Entries 289251

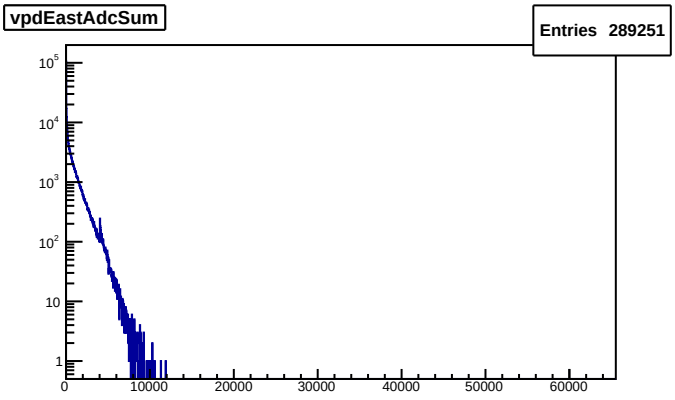

epdWestTac03VsSimu
Entries 0
Data
Simu

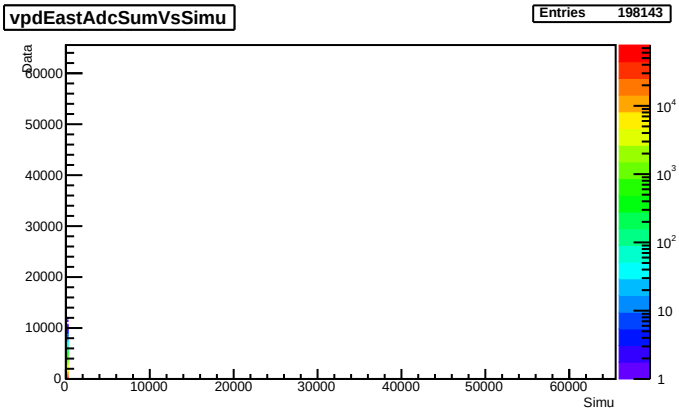

epdWestTac47
Entries 289251

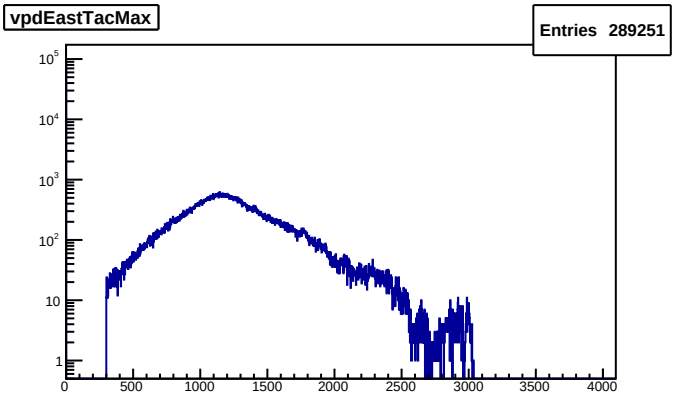

epdWestTac47VsSimu
Entries 0
Data
Simu

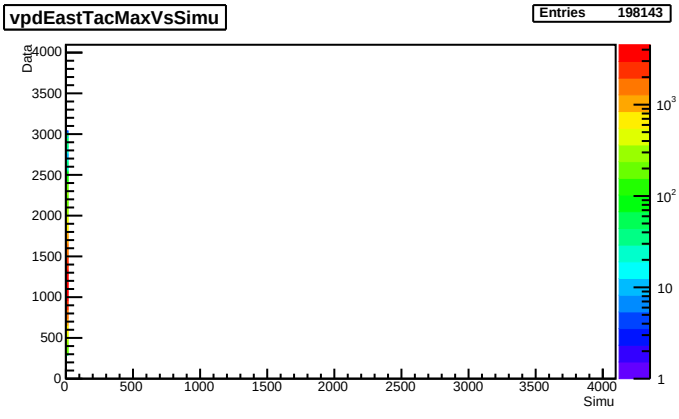

epdWestNHits
Entries 289251

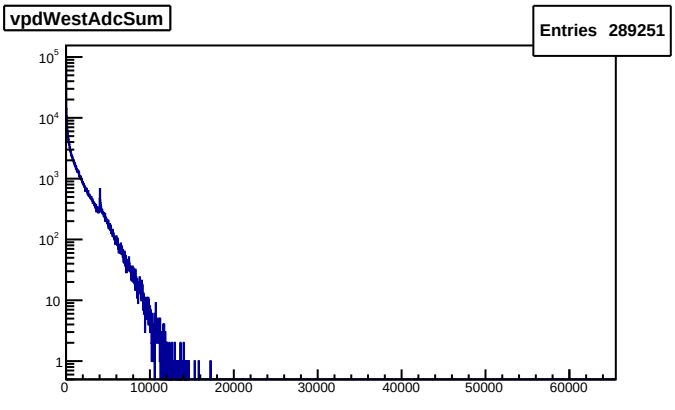

epdWestNHitsVsSimu
Entries 0
Data
Simu

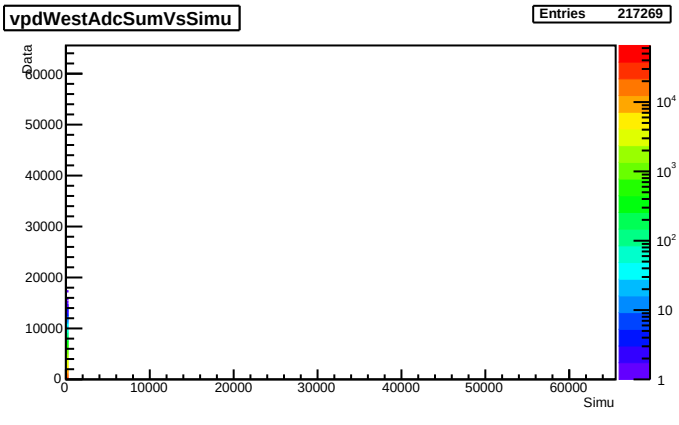

vpdEastAdcSum
Entries 289251

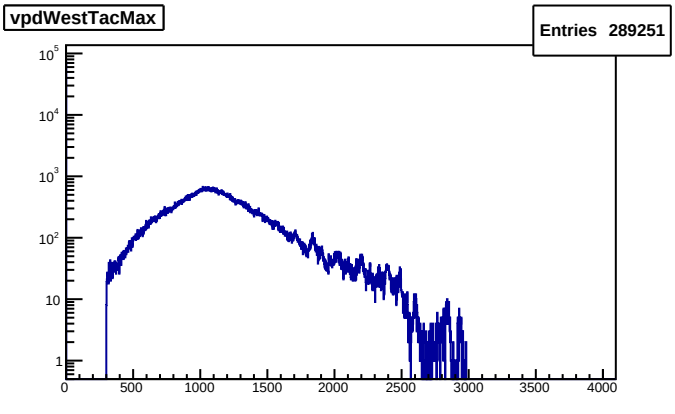

vpdEastAdcSumVsSimu
Entries 198143
Data
Simu

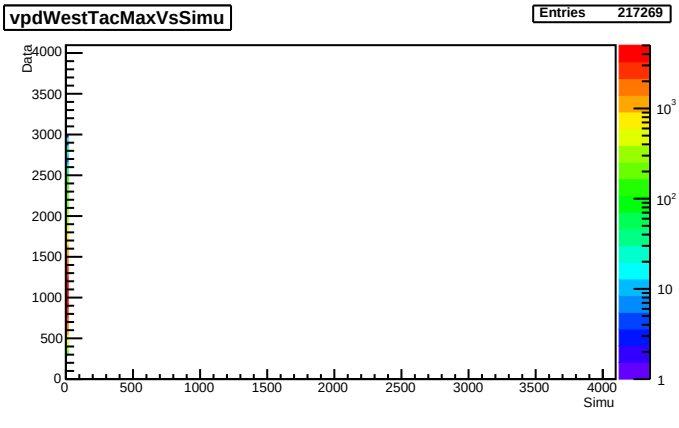

vpdEastTacMax
Entries 289251

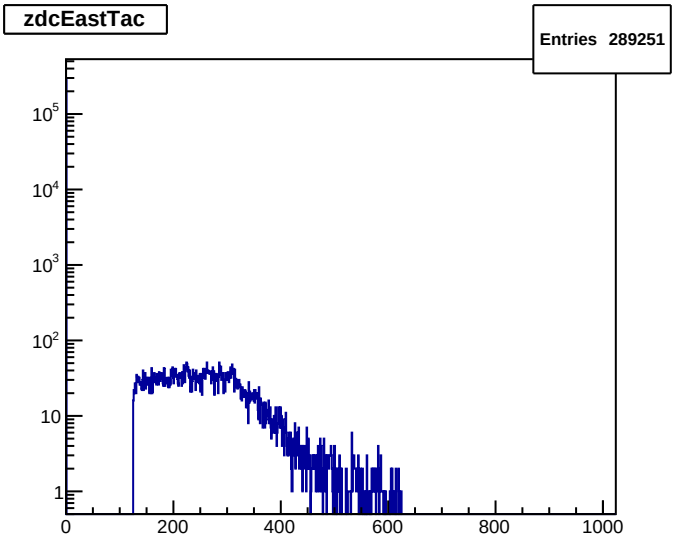

vpdEastTacMaxVsSimu
Entries 198143
Data
Simu

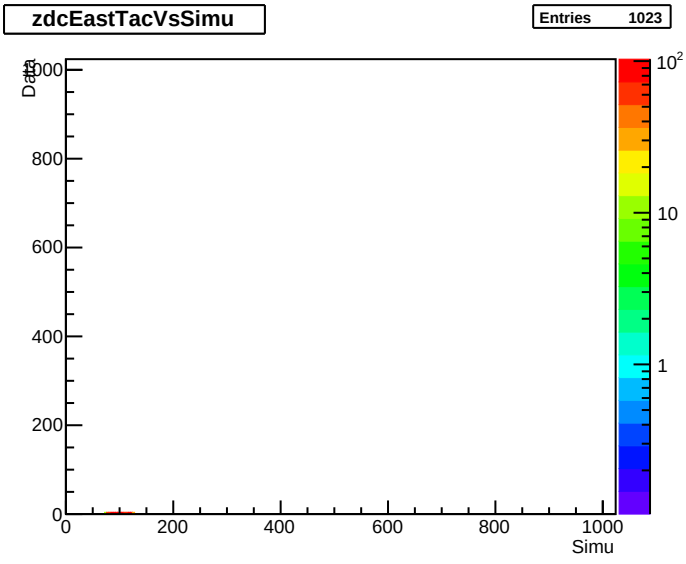

vpdWestAdcSum
Entries 289251

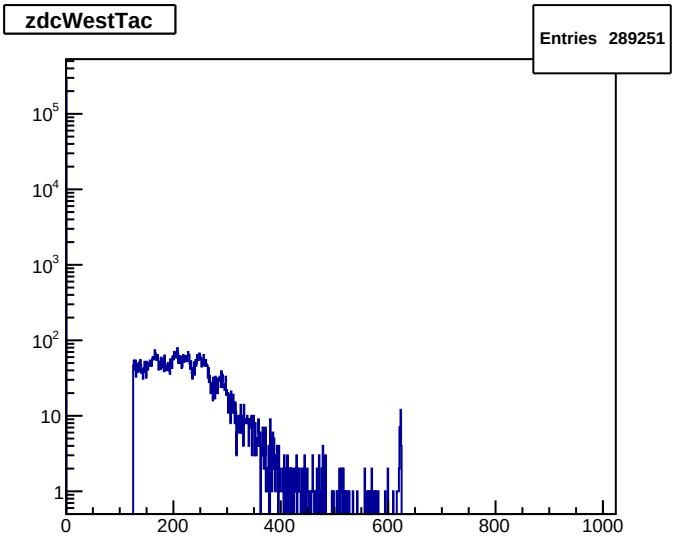

vpdWestAdcSumVsSimu
Entries 217269
Data
Simu

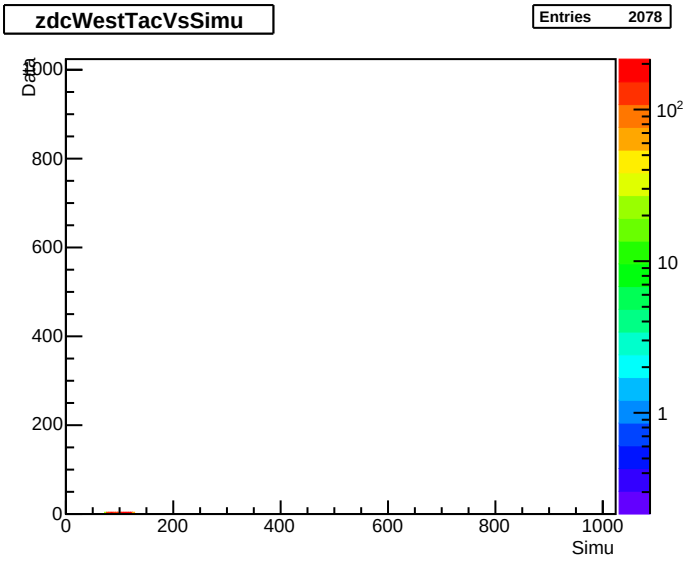

vpdWestTacMax
Entries 289251

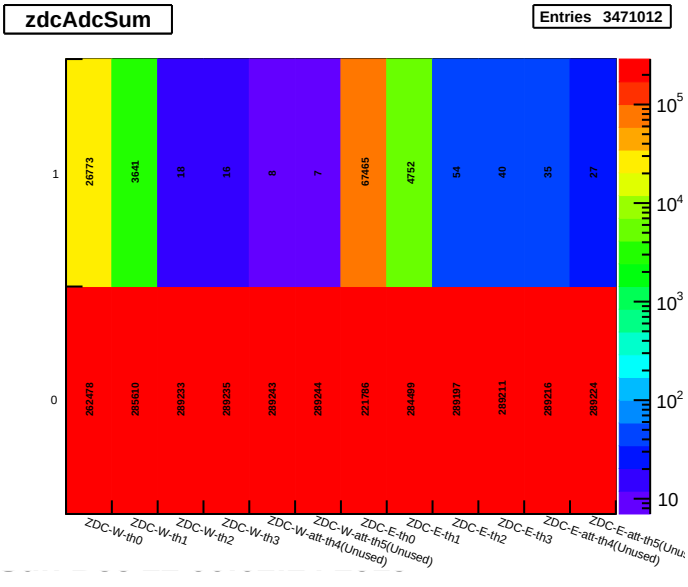

vpdWestTacMaxVsSimu
Entries 217269
Data
Simu

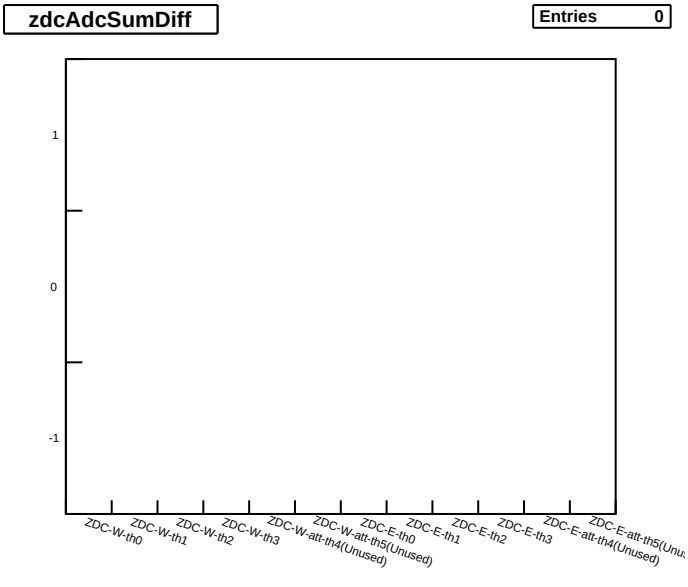

zdcEastTac
Entries 289251

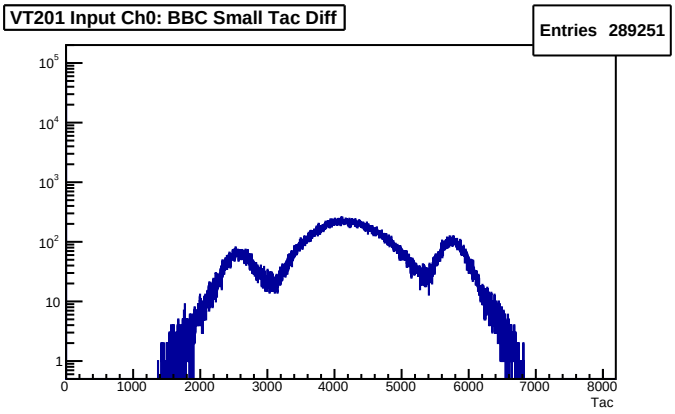

zdcEastTacVsSimu
Entries 1023
Data
Simu

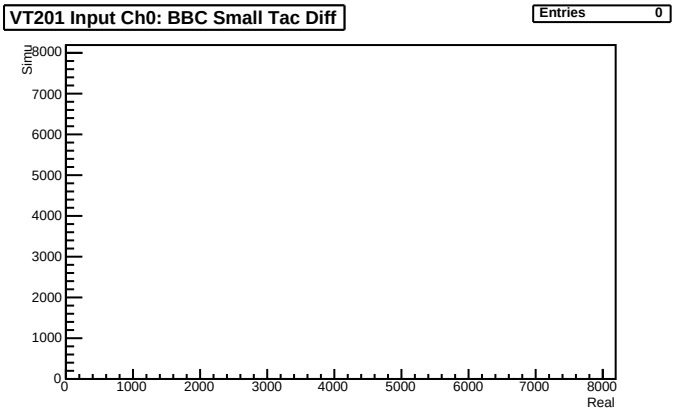

zdcWestTac
Entries 289251

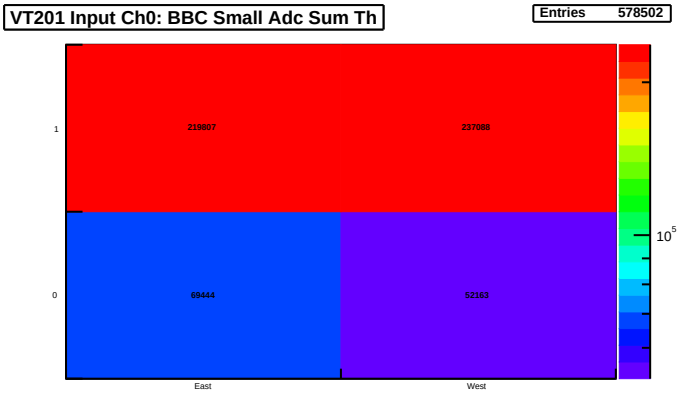

zdcWestTacVsSimu
Entries 2078
Data
Simu

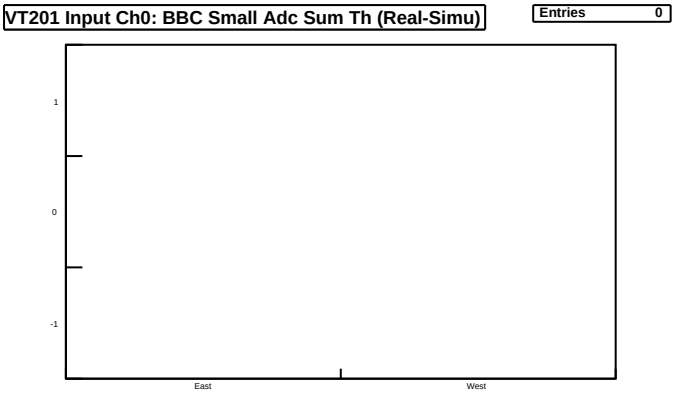

zdcAdcSum
Entries 3471012
26773
3641
18
16
8
7
67465
4752
54
40
35
27
262476
285610
289233
289235
289243
289244
221786
284499
289197
289211
289216
289224
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

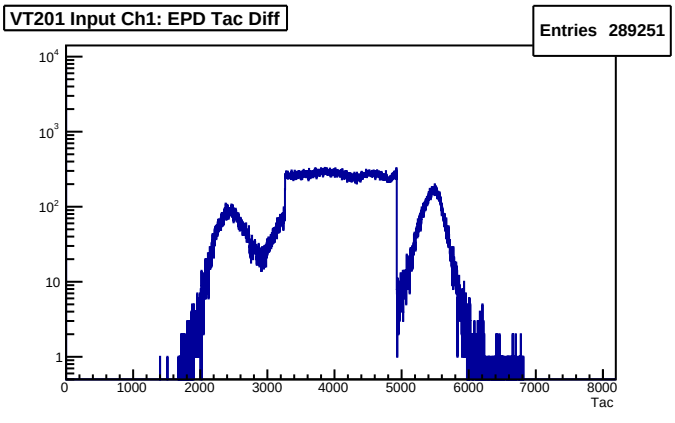

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

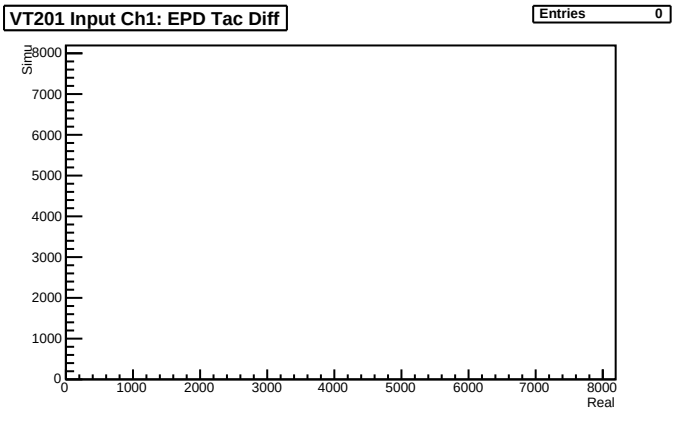

VT201 Input Ch0: BBC Small Tac Diff
Entries 289251
Tac

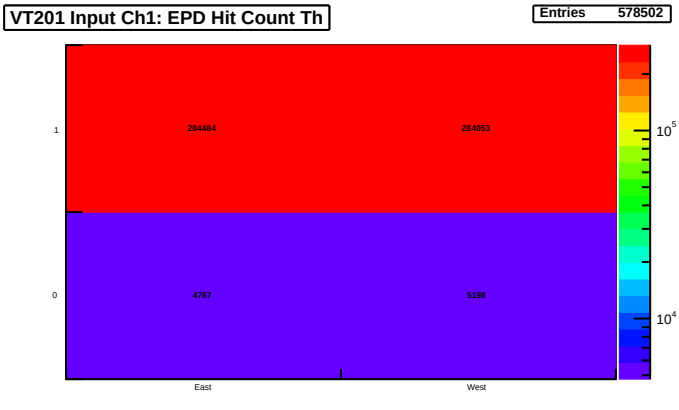

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

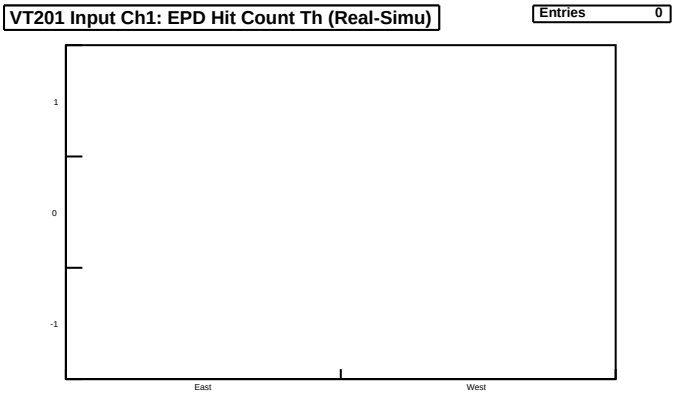

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 578502
219807
237088
69444
52163
East
West

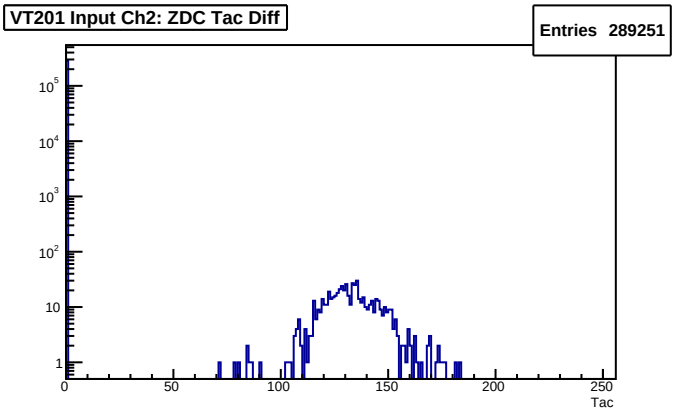

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

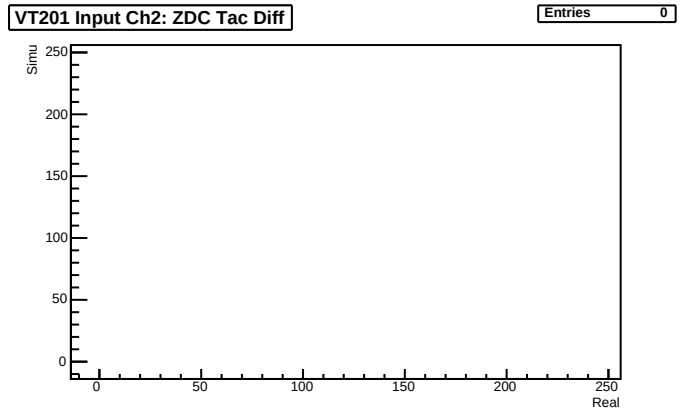

VT201 Input Ch1: EPD Tac Diff
Entries 289251
Tac

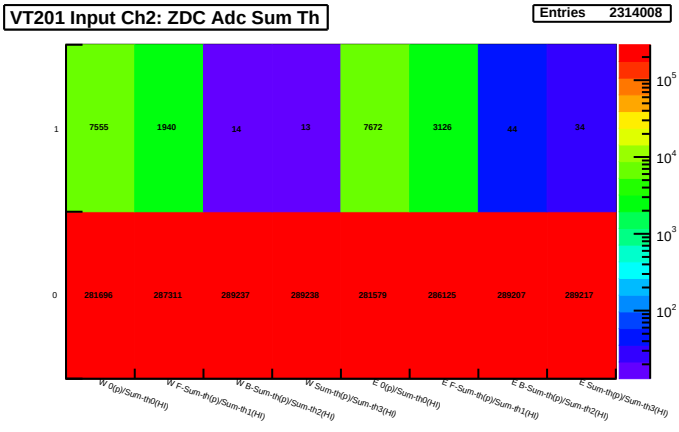

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

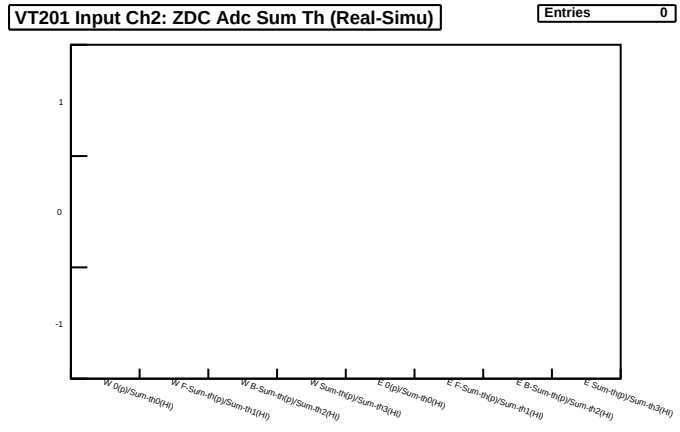

VT201 Input Ch1: EPD Hit Count Th
Entries 578502
284484
284053
4767
5198
East
West

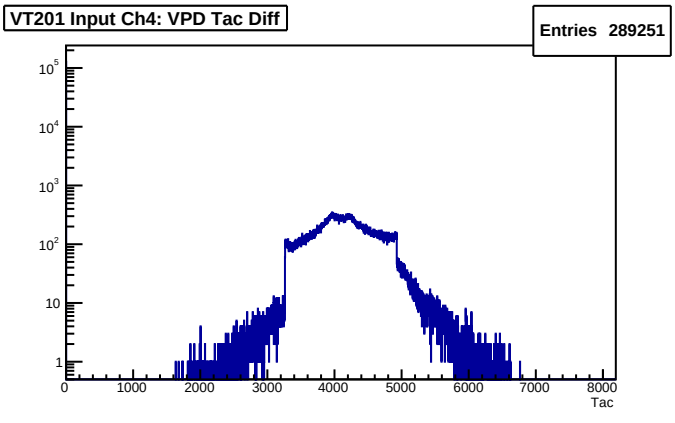

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

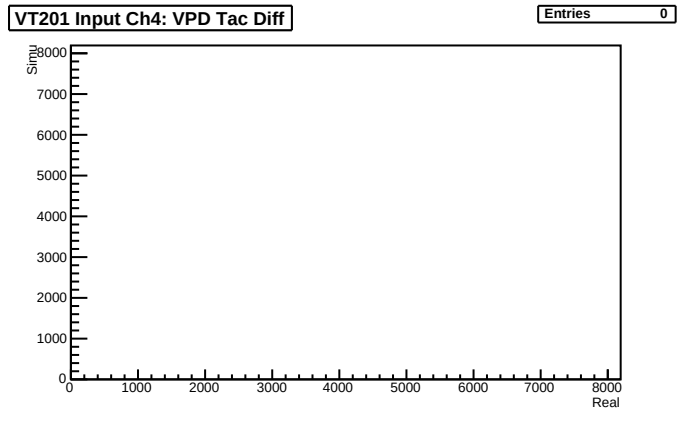

VT201 Input Ch2: ZDC Tac Diff
Entries 289251
Tac

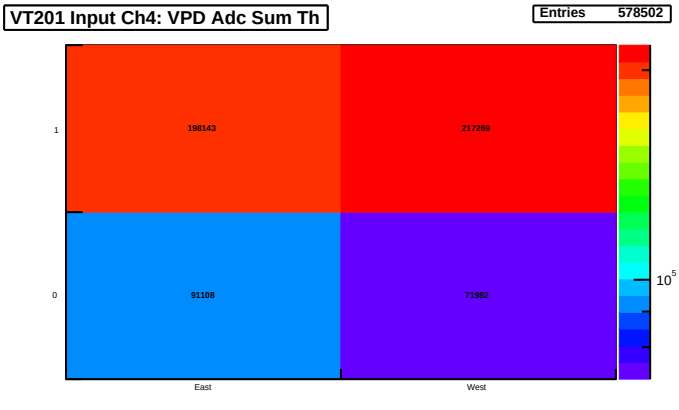

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

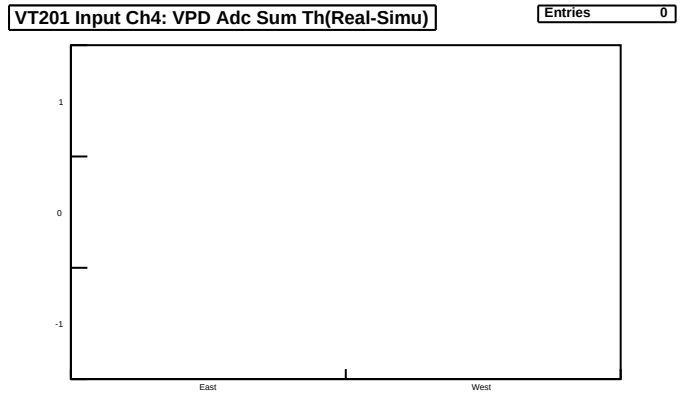

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2314008
7555
1940
14
13
7672
3126
44
34
281696
287311
289237
289238
281579
286125
289207
289217
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

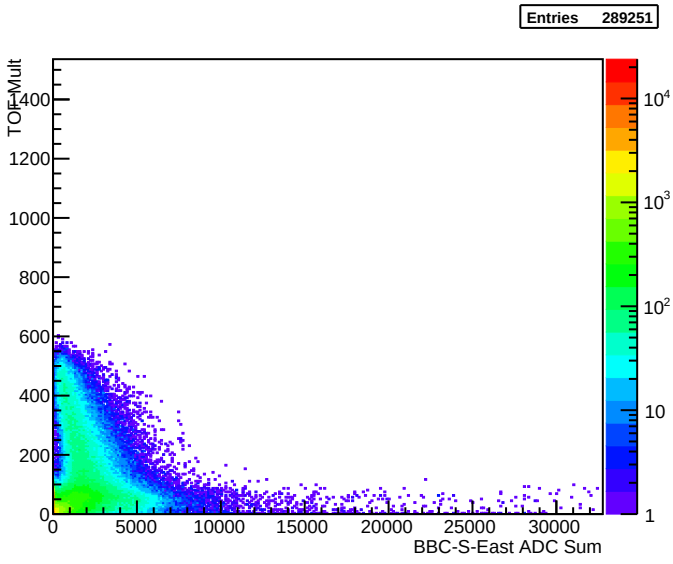

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

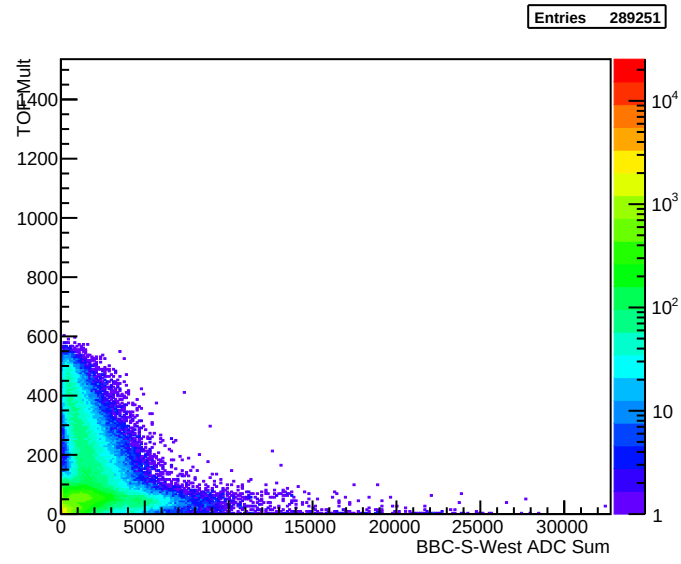

VT201 Input Ch4: VPD Tac Diff
Entries 289251
Tac

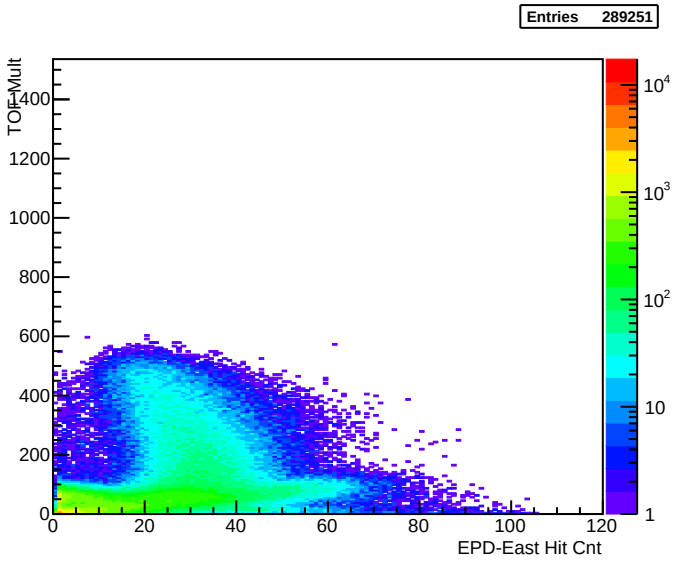

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

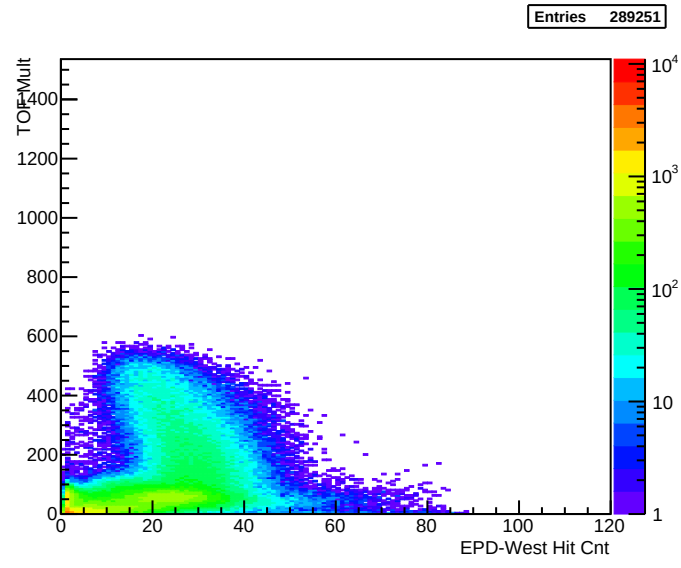

VT201 Input Ch4: VPD Adc Sum Th
Entries 578502
198143
217269
91108
71982
East
West

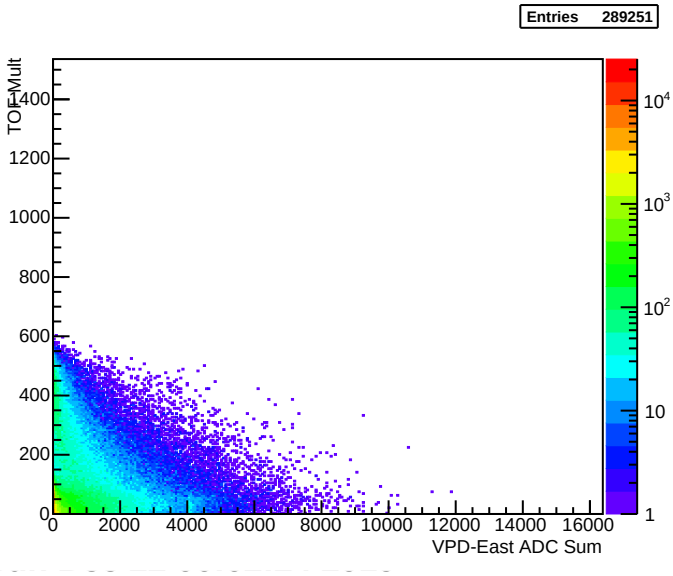

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

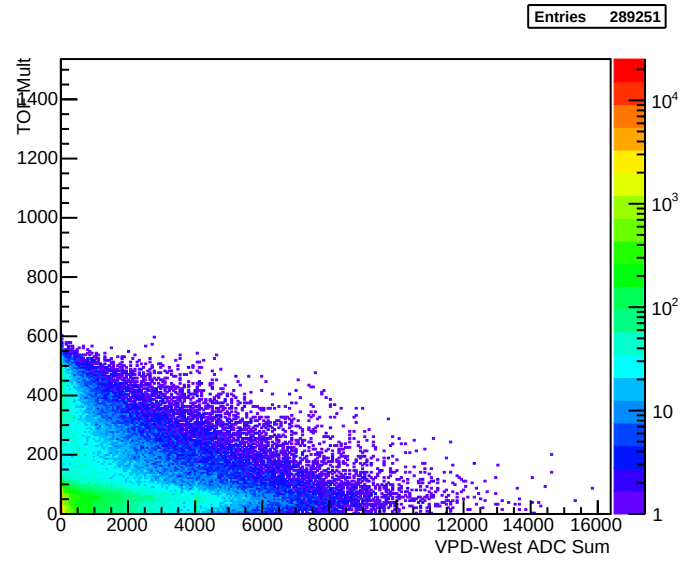

Entries 289251
TOF-Mult
BBC-S-East ADC Sum

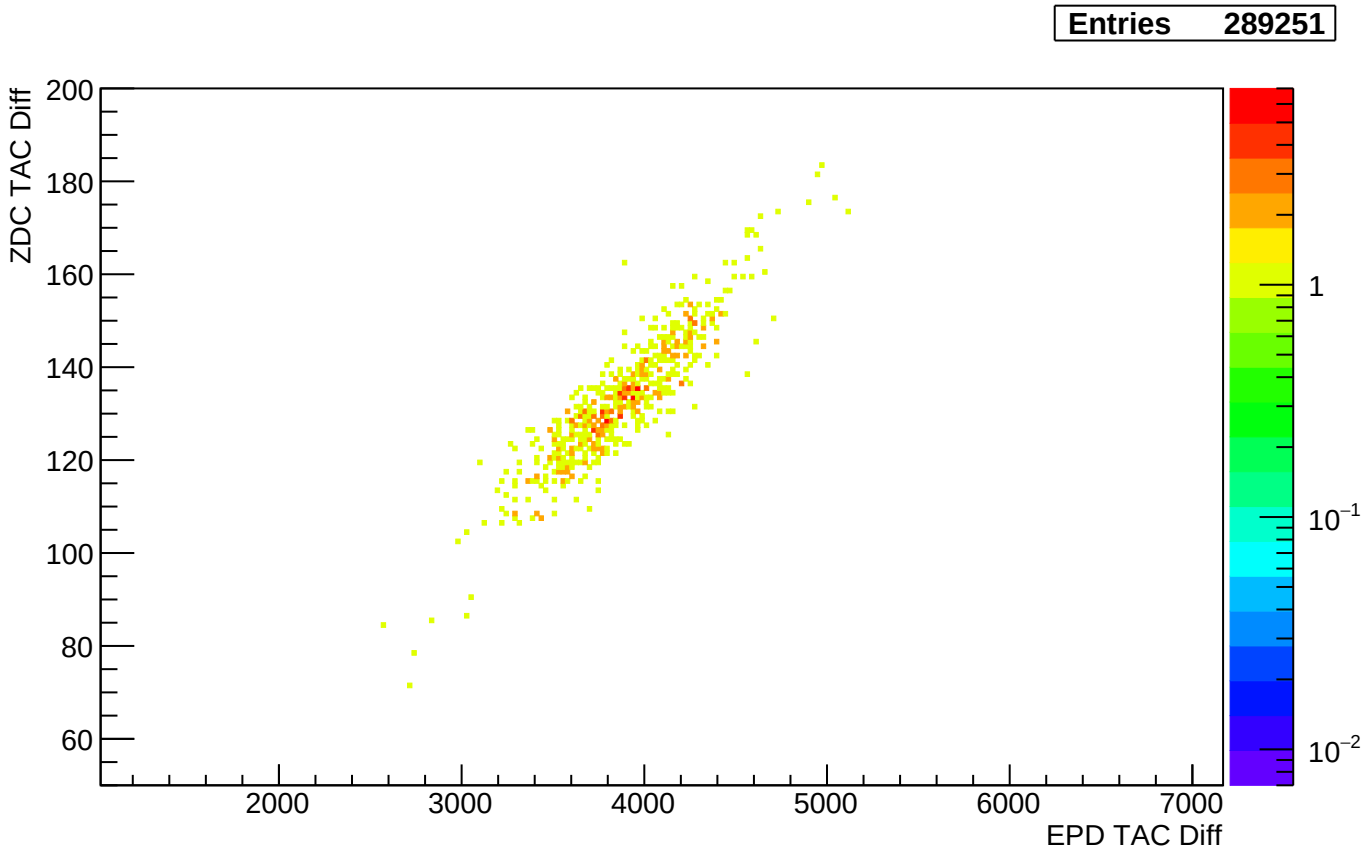

Entries 289251
TOF-Mult
BBC-S-West ADC Sum

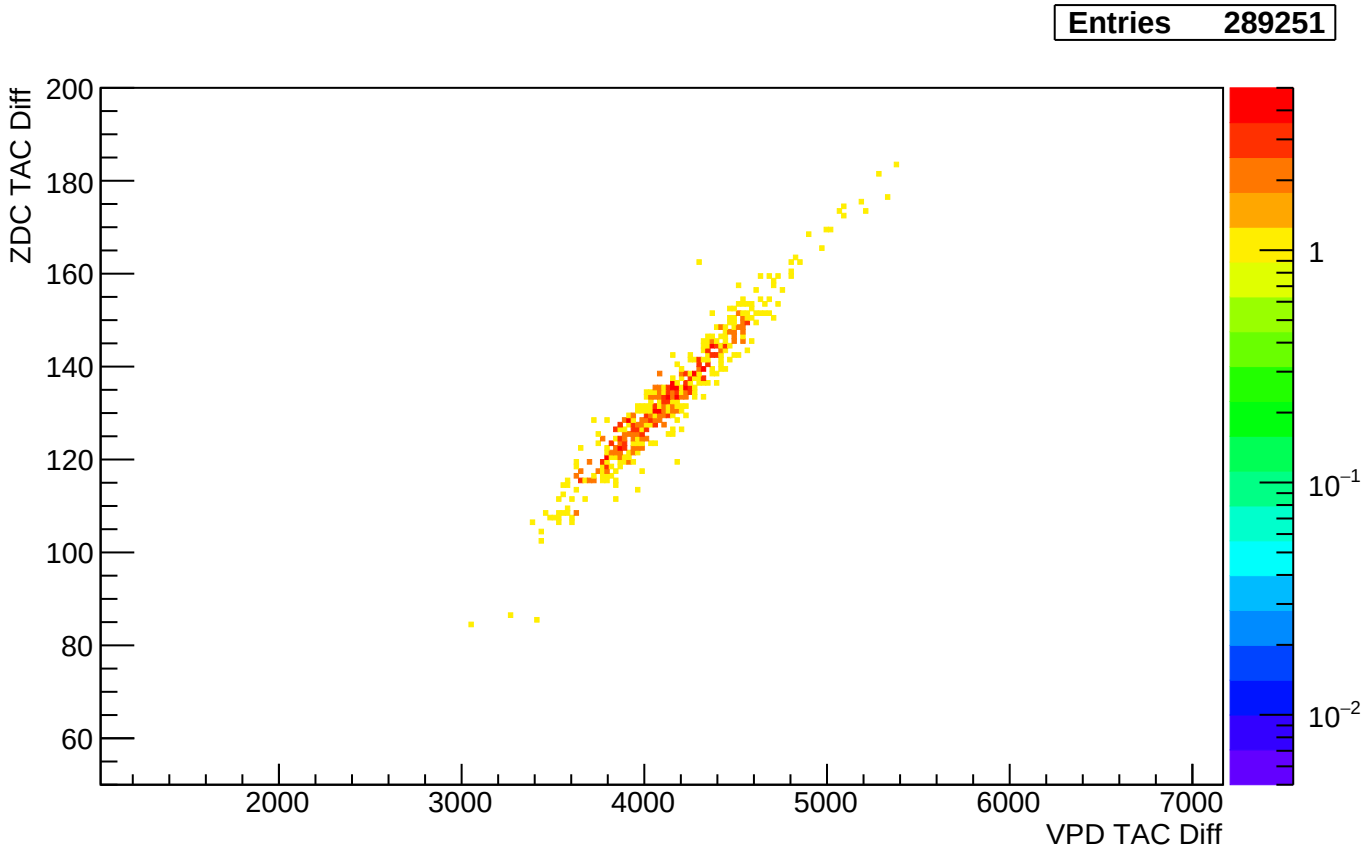

Entries 289251
TOF-Mult
EPD-East Hit Cnt

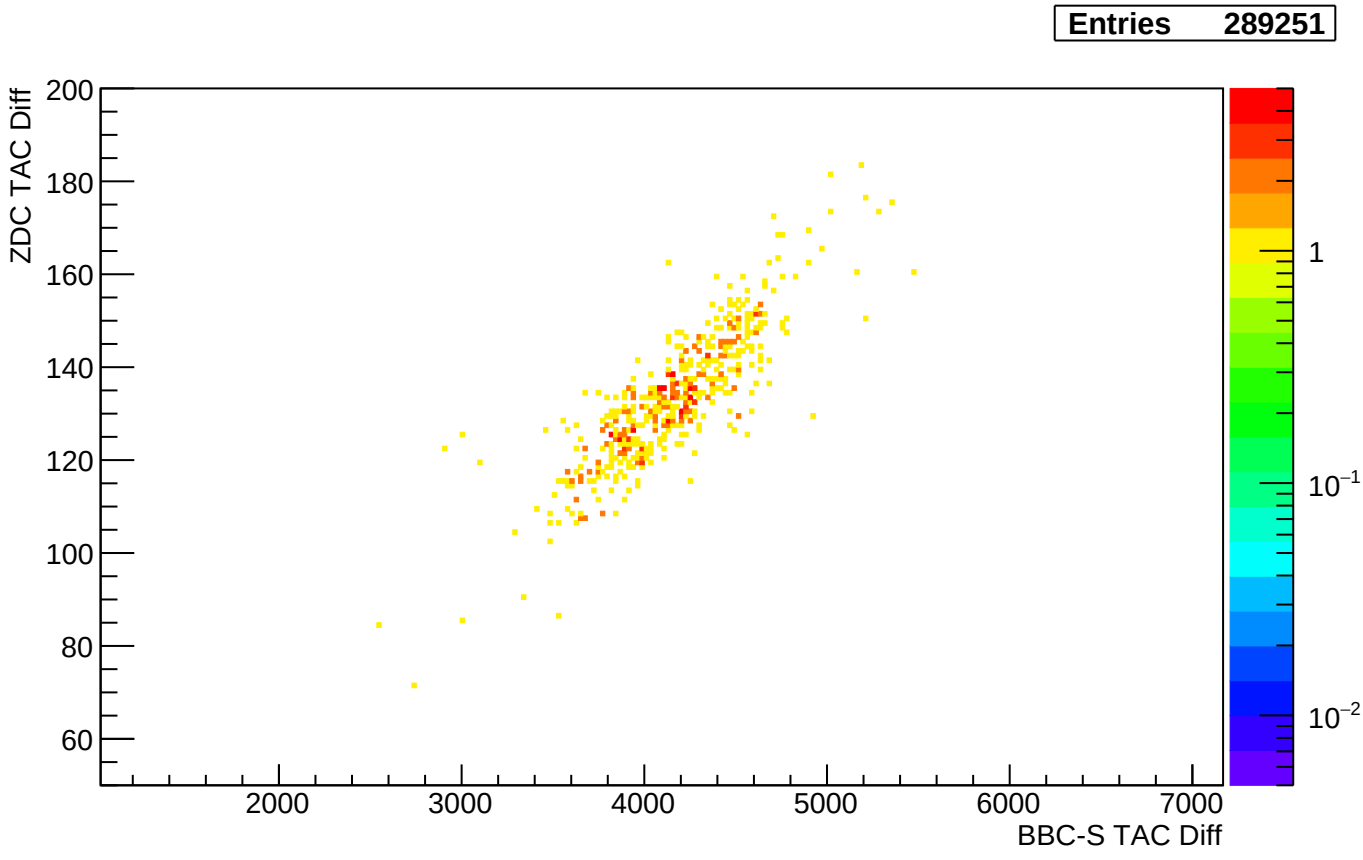

Entries 289251
TOF-Mult
EPD-West Hit Cnt

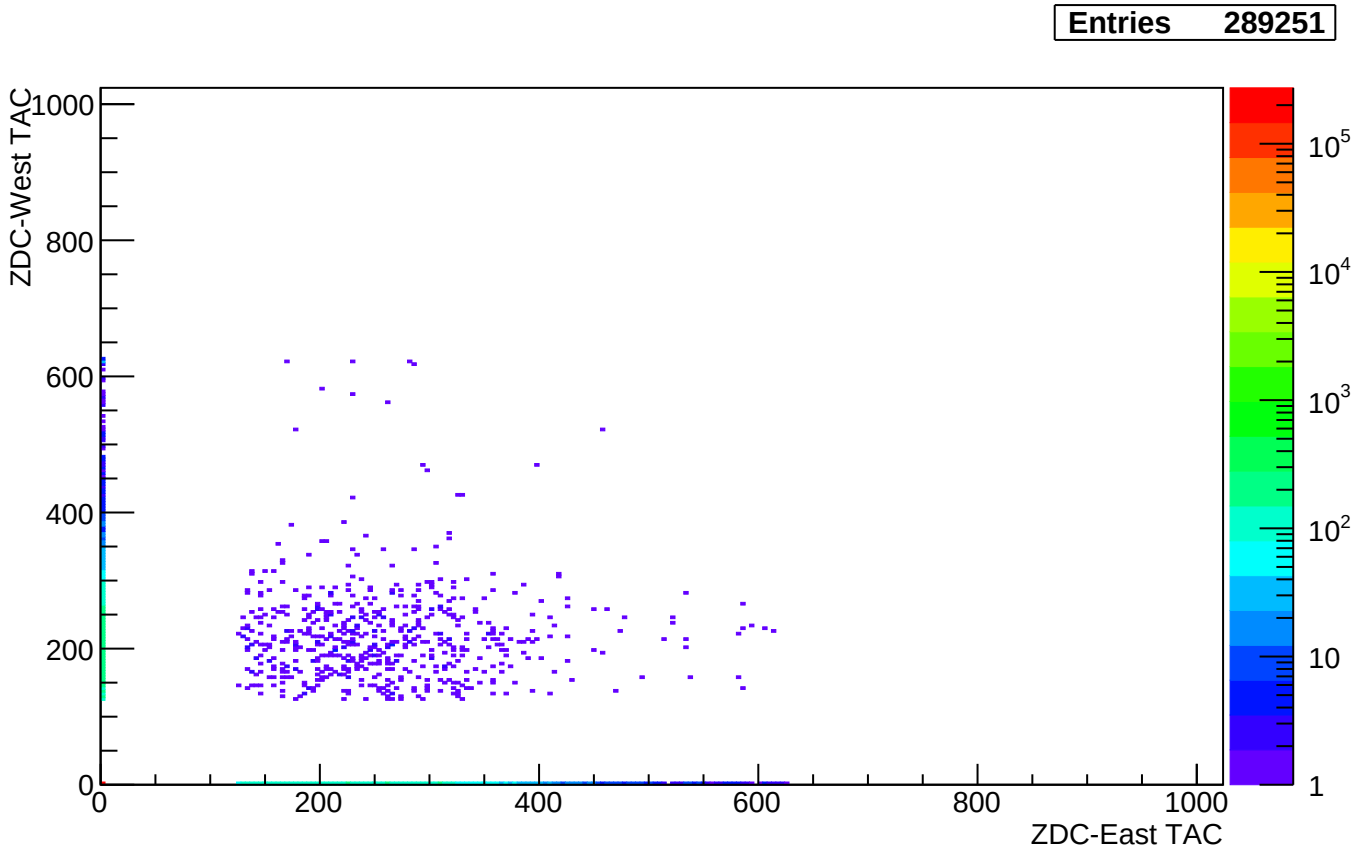

Entries 289251
TOF-Mult
VPD-East ADC Sum

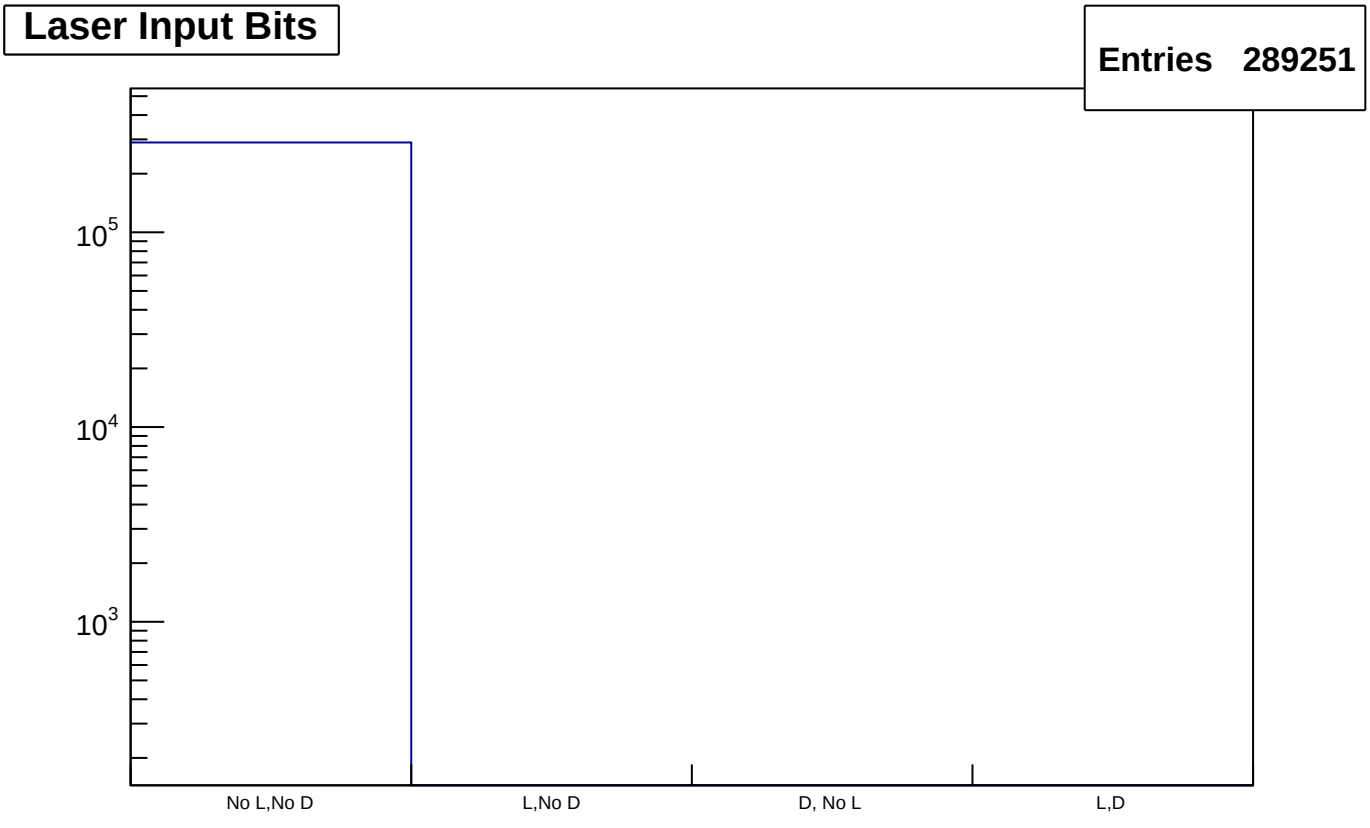

Entries 289251
TOF-Mult
VPD-West ADC Sum

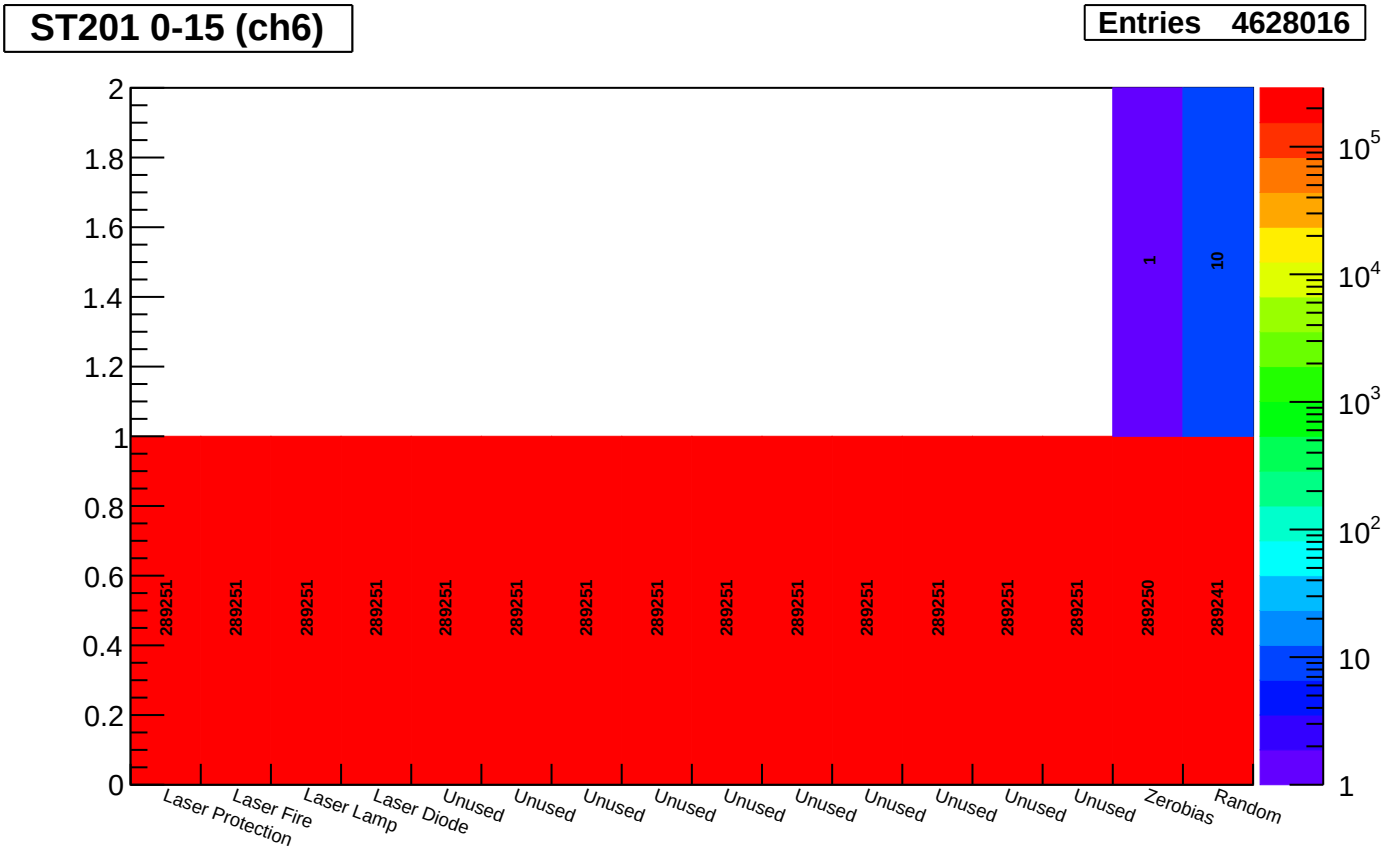

Entries 289251
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
$10^{-1}$
$10^{-2}$

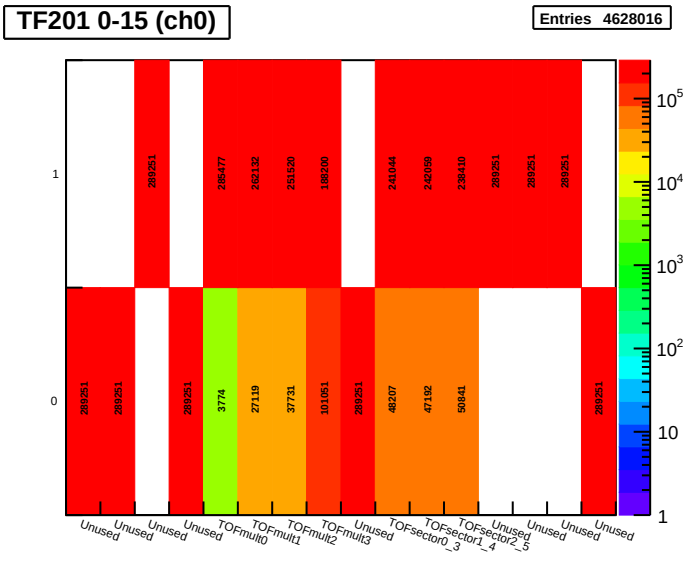

Entries 289251
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
$10^{-1}$
$10^{-2}$

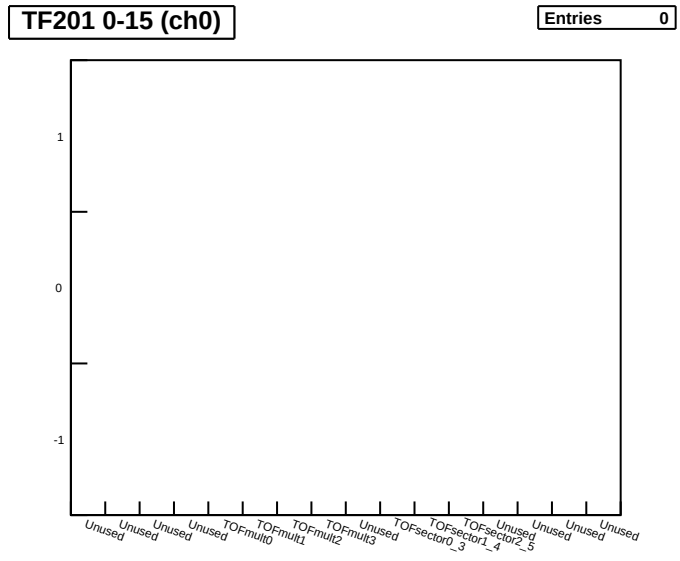

Entries 289251
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
$10^{-1}$
$10^{-2}$

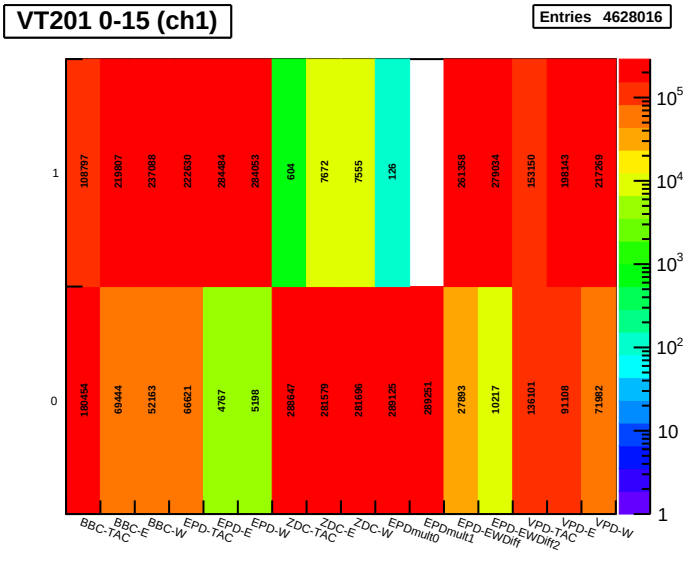

Entries 289251
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

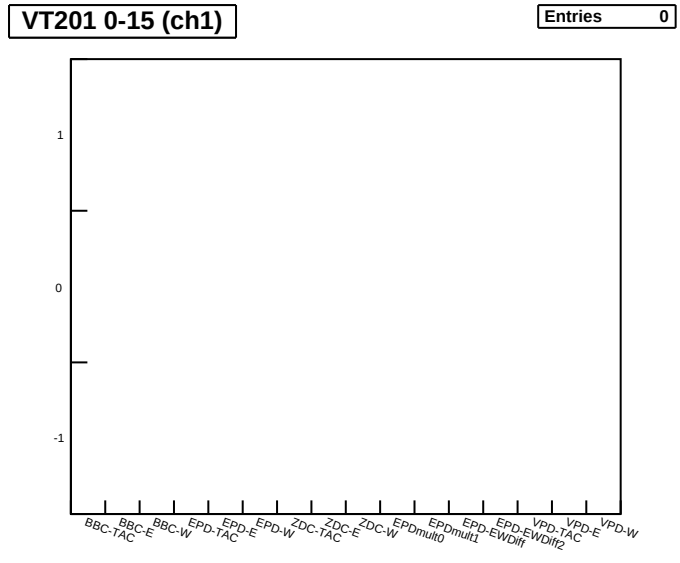

Laser Input Bits
Entries 289251
$10^5$
$10^4$
$10^3$
No L,No D
L,No D
D, No L
L,D

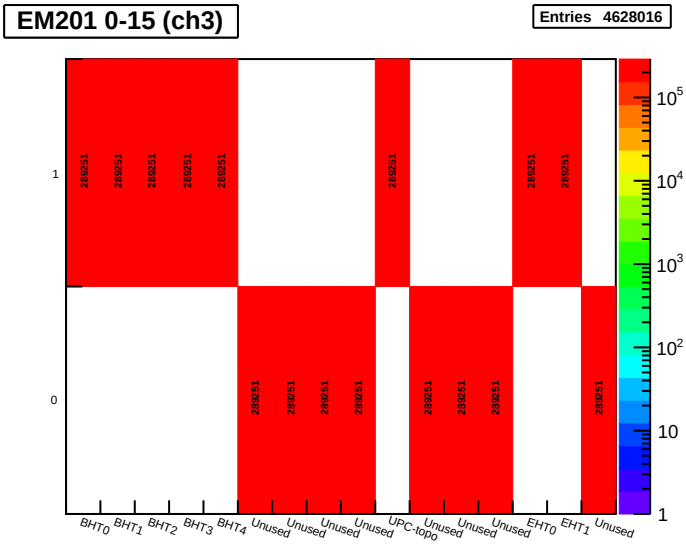

ST201 0-15 (ch6)
Entries 4628016
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
289251
289251
289251
289251
289251
289251
289251
289251
289251
289251
289251
289251
289251
289251
289250
289241
1
10
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
$10^5$
$10^4$
$10^3$
$10^2$
10
1

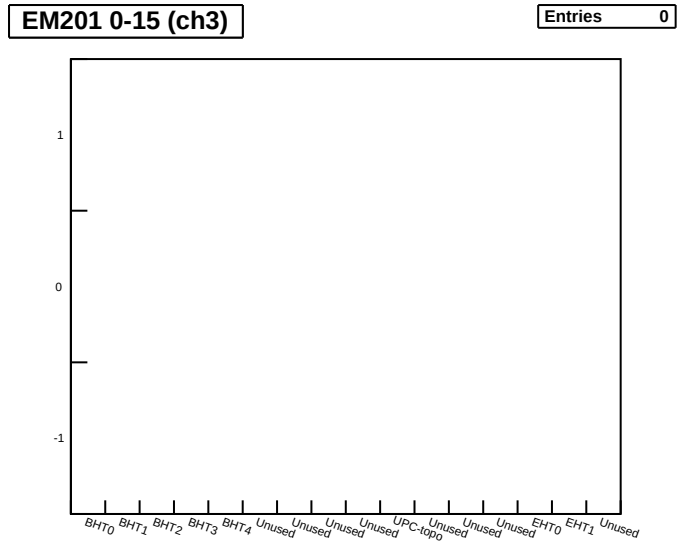

TF201 0-15 (ch0)
Entries 4628016
1
0
289251
285477
282132
251520
188200
241044
242059
238410
289251
289251
289251
289251
289251
289251
289251
3774
27119
37731
101051
289251
48207
47192
50841
289251
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
$10^5$
$10^4$
$10^3$
$10^2$
10
1


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


VT201 0-15 (ch1)
Entries 4628016
1
0
108797
219807
237068
222630
284484
284053
604
7672
7555
126
261358
279034
153150
198143
217269
180454
69444
52163
66621
4767
5198
288647
281579
281696
289125
289251
27893
10217
136101
91108
71982
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W
$10^5$
$10^4$
$10^3$
$10^2$
10
1


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


EM201 0-15 (ch3)
Entries 4628016
1
0
289251
289251
289251
289251
289251
289251
289251
289251
289251
289251
289251
289251
289251
289251
289251
289251
289251
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
$10^5$
$10^4$
$10^3$
$10^2$
10
1


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