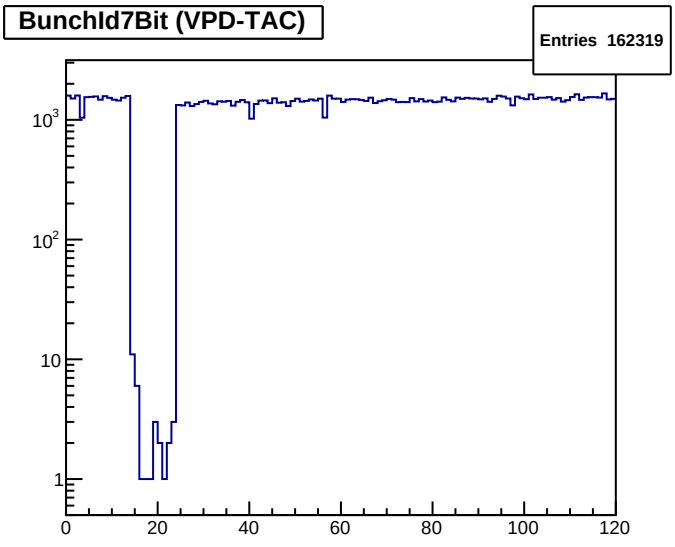
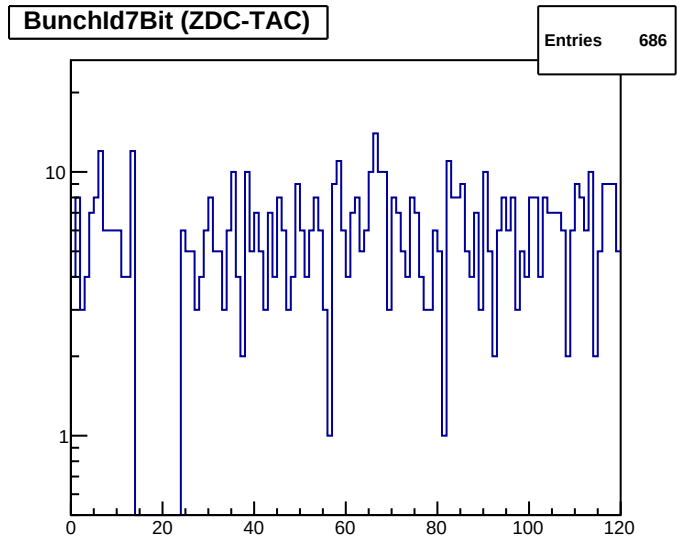
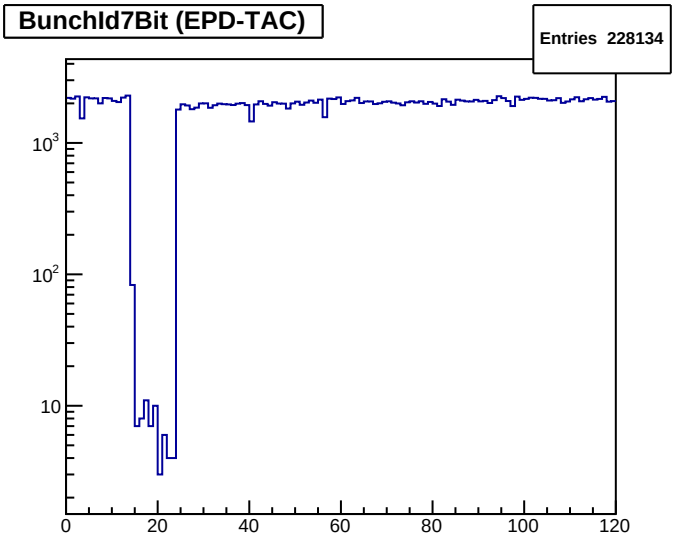
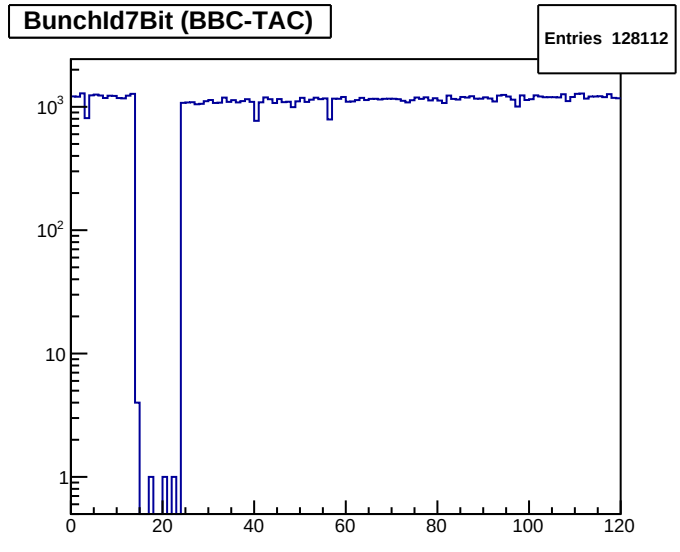
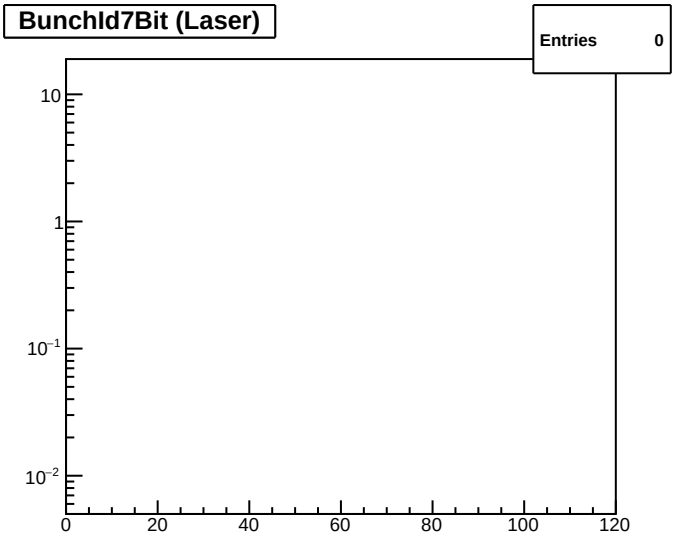
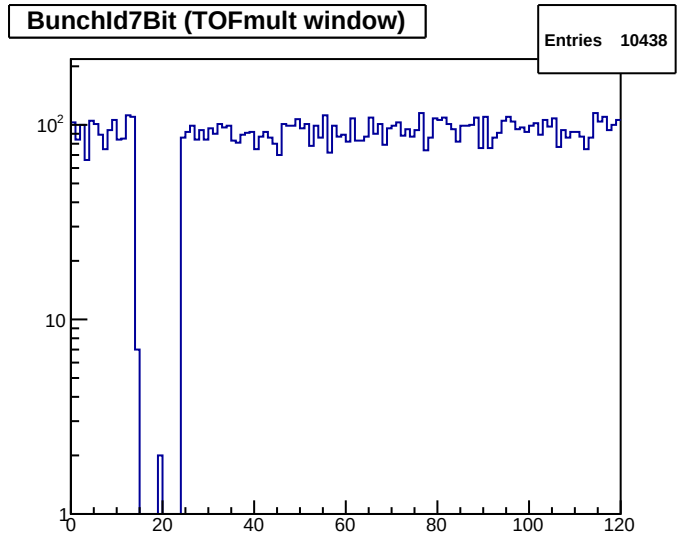

BunchId7Bit (VPD-TAC)
Entries 162319

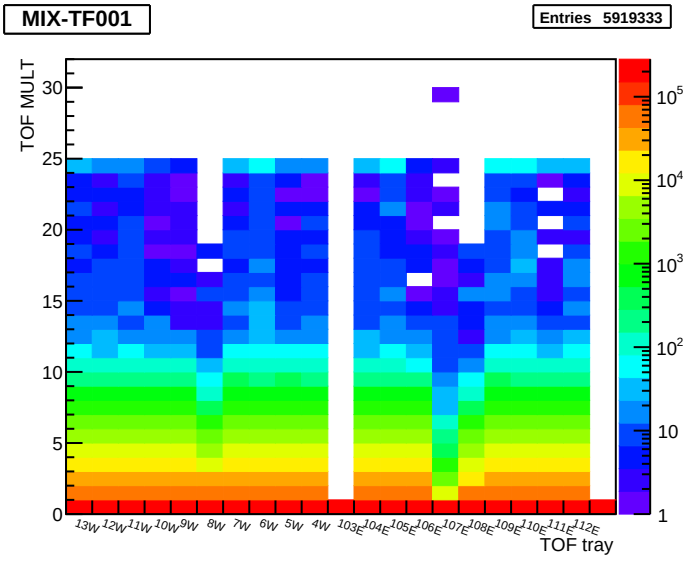

BunchId7Bit (ZDC-TAC)
Entries 686

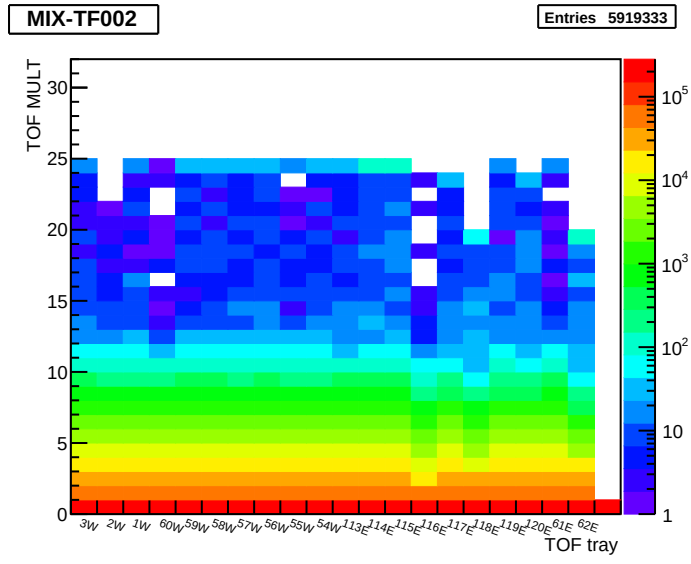

BunchId7Bit (EPD-TAC)
Entries 228134

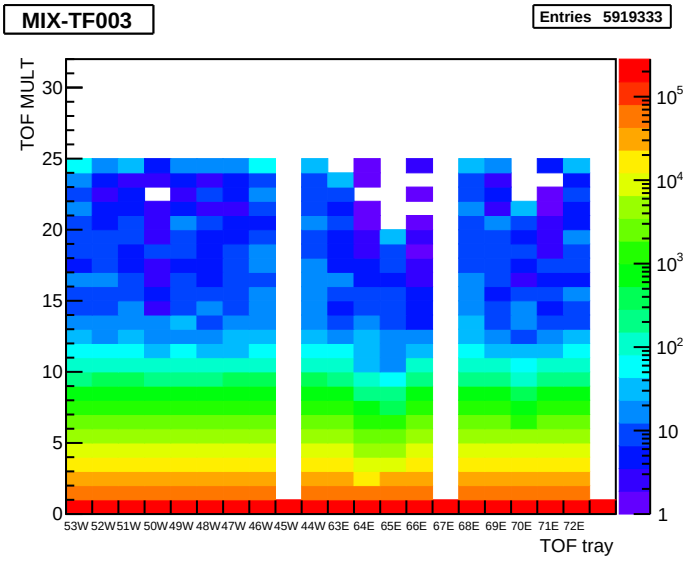

BunchId7Bit (BBC-TAC)
Entries 128112

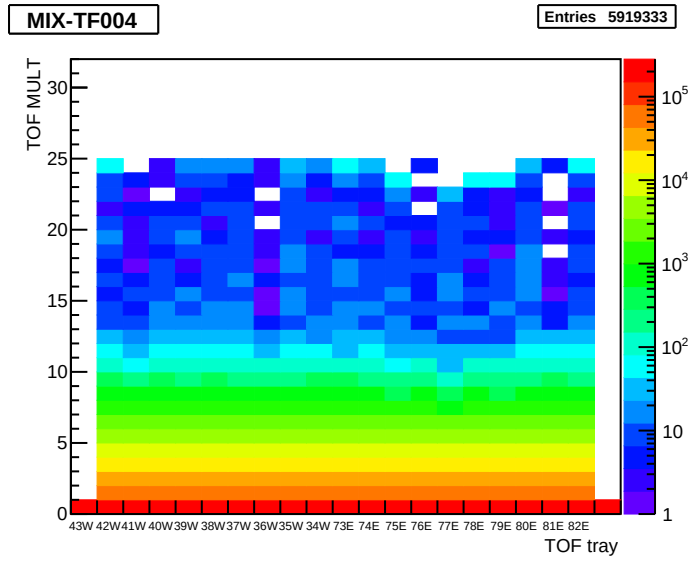

BunchId7Bit (Laser)
Entries 0

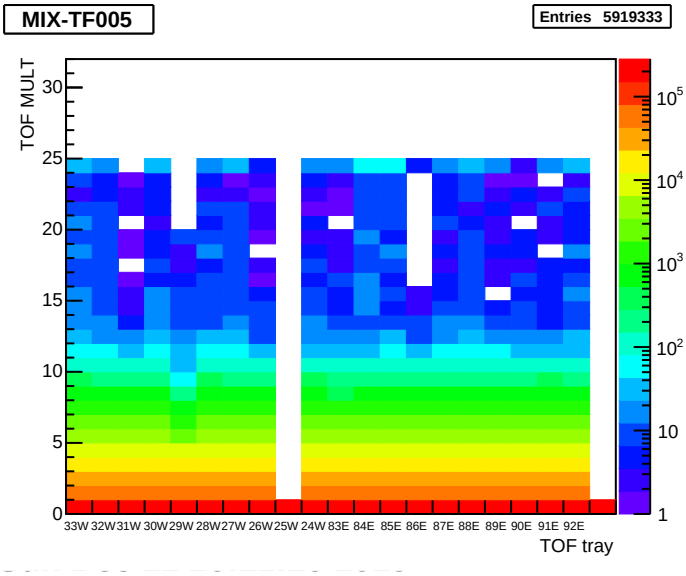

BunchId7Bit (TOFmult window)
Entries 10438

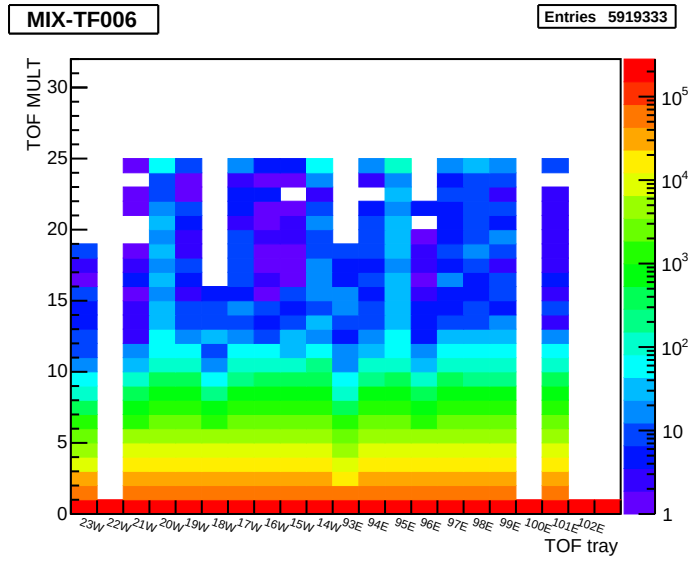

MIX-TF001
Entries 5919333
TOF MULT
TOF tray

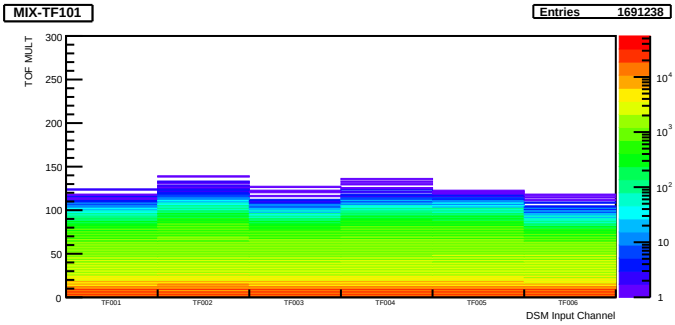

MIX-TF002
Entries 5919333
TOF MULT
TOF tray

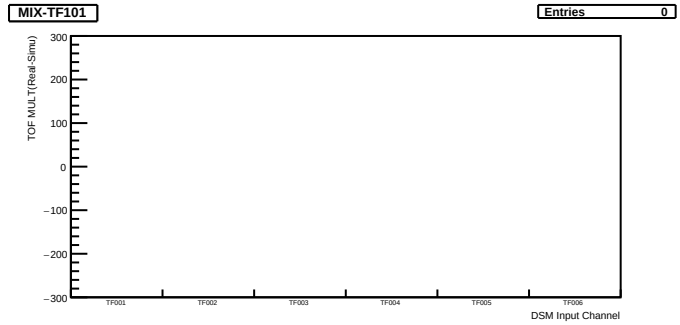

MIX-TF003
Entries 5919333
TOF MULT
TOF tray

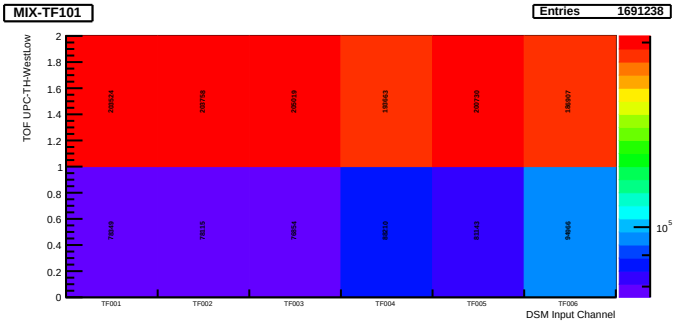

MIX-TF004
Entries 5919333
TOF MULT
TOF tray

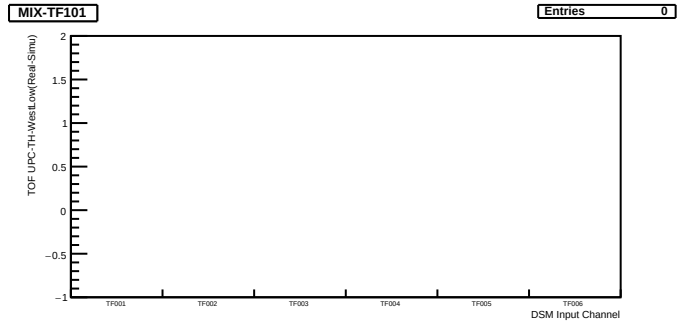

MIX-TF005
Entries 5919333
TOF MULT
TOF tray

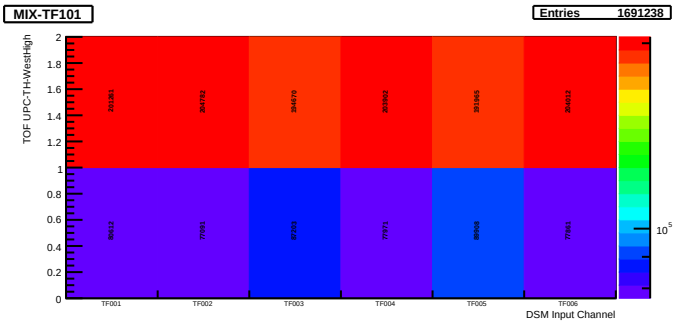

MIX-TF006
Entries 5919333
TOF MULT
TOF tray

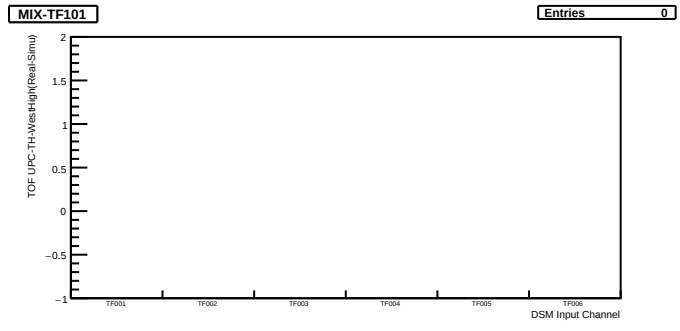

MIX-TF101
Entries 1691238
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

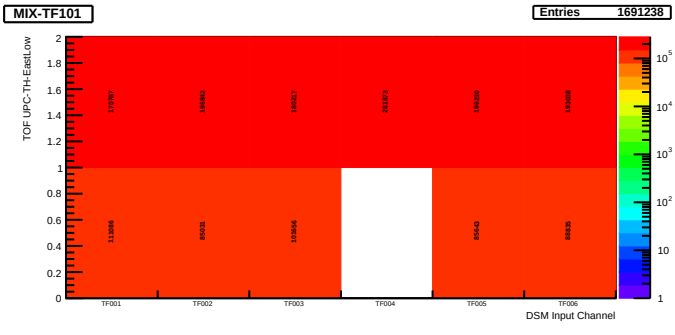

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

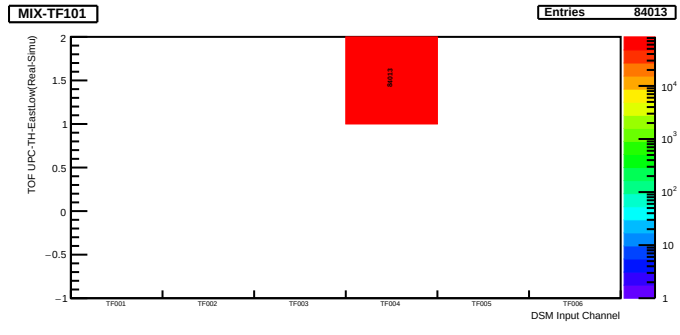

MIX-TF101
Entries 1691238
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

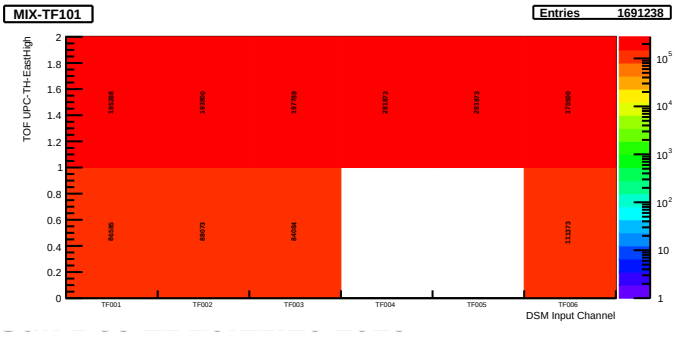

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

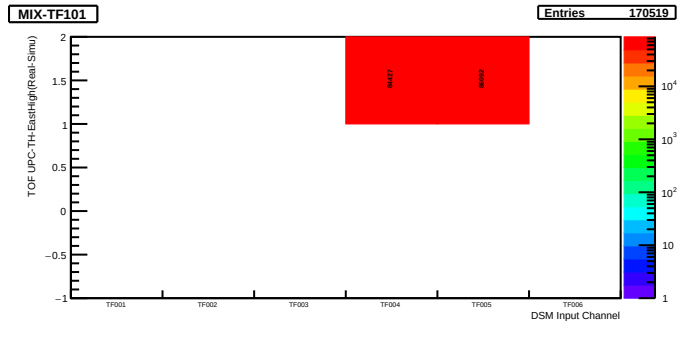

MIX-TF101
Entries 1691238
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

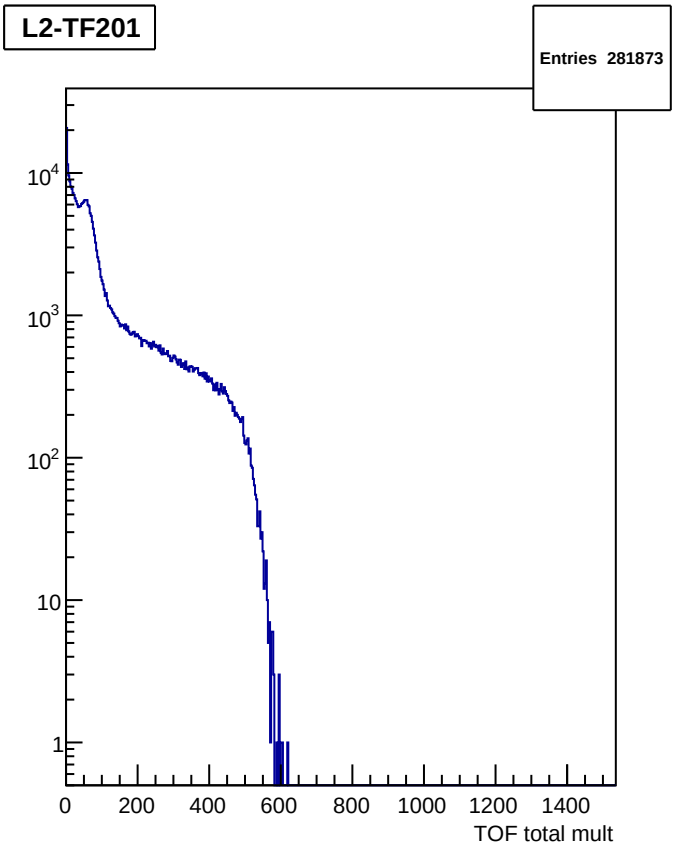

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

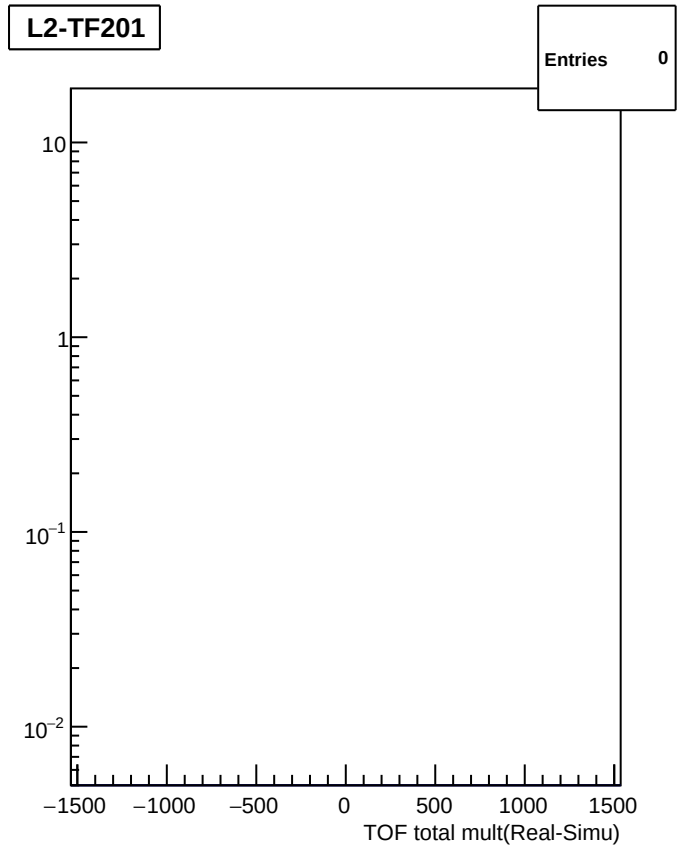

MIX-TF101
Entries 1691238
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

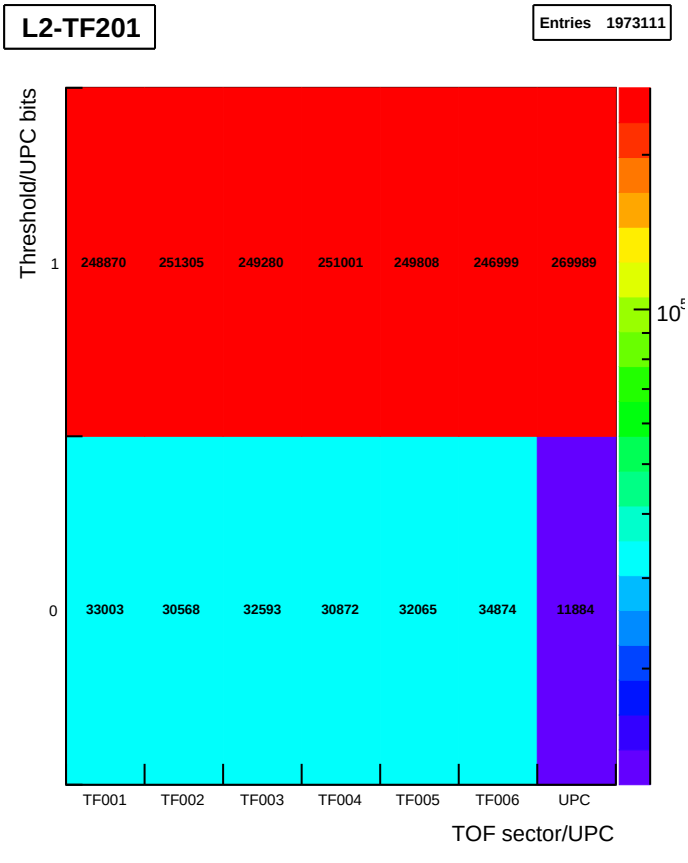

MIX-TF101
Entries 84013
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

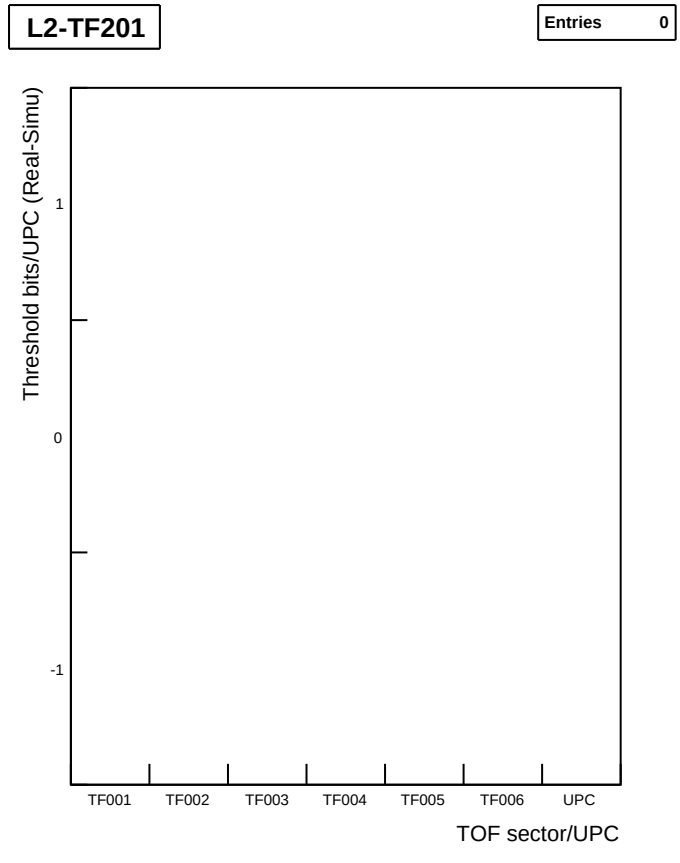

MIX-TF101
Entries 1691238
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

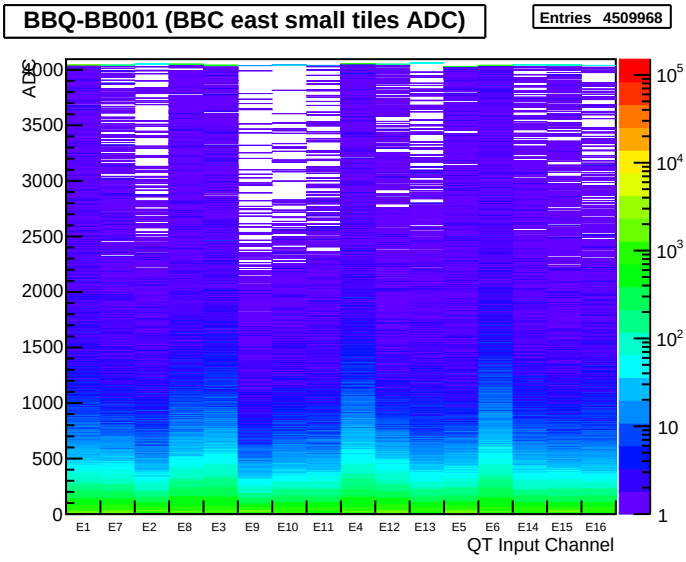

MIX-TF101
Entries 170519
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

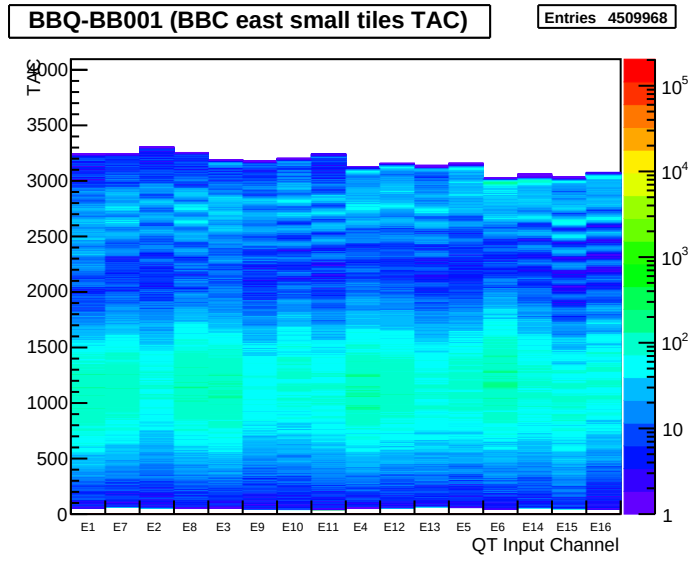

L2-TF201
Entries 281873
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

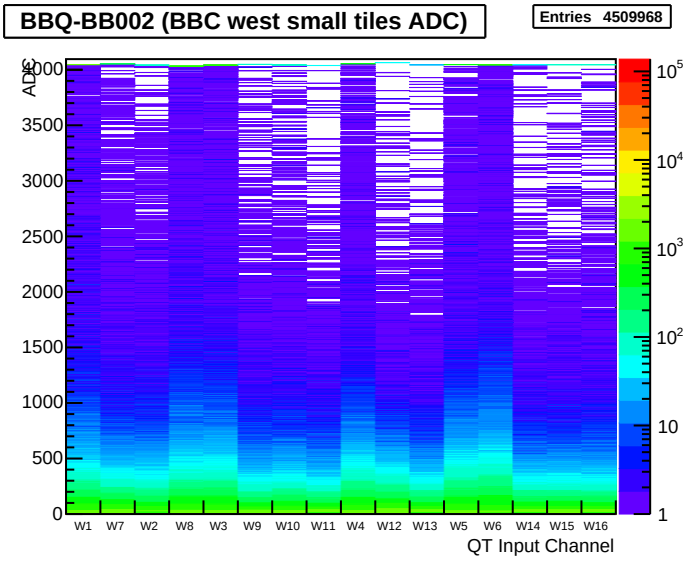

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

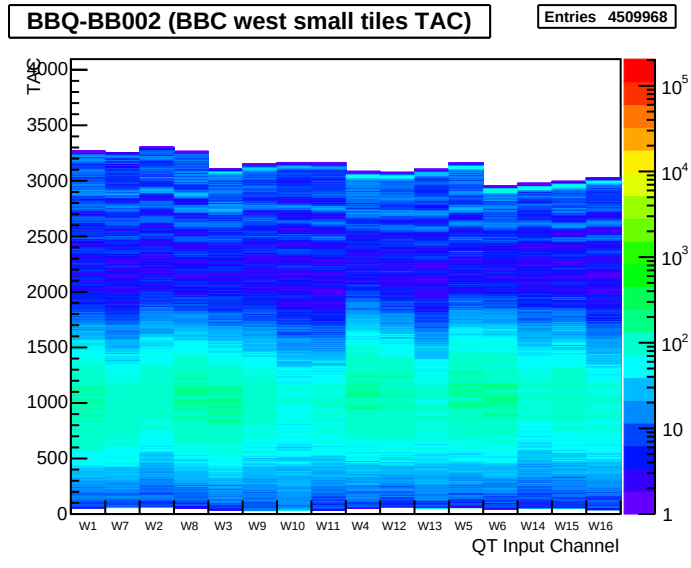

L2-TF201
Entries 1973111
Threshold/UPC bits
1
0
248870
251305
249280
251001
249808
246999
269989
33003
30568
32593
30872
32065
34874
11884
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

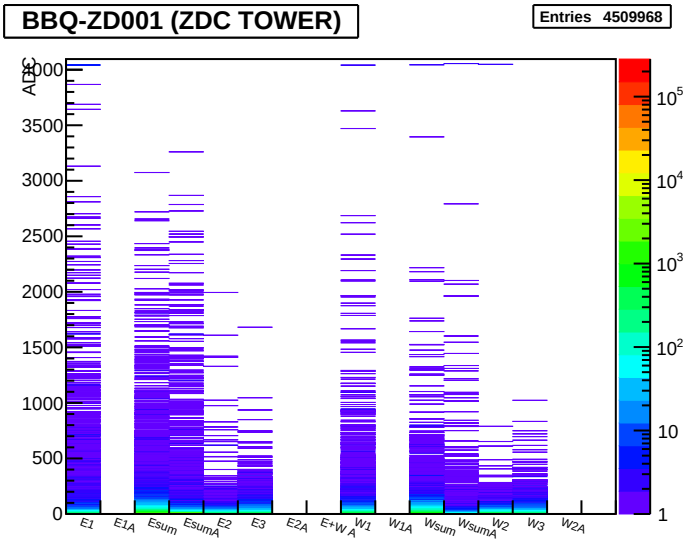

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

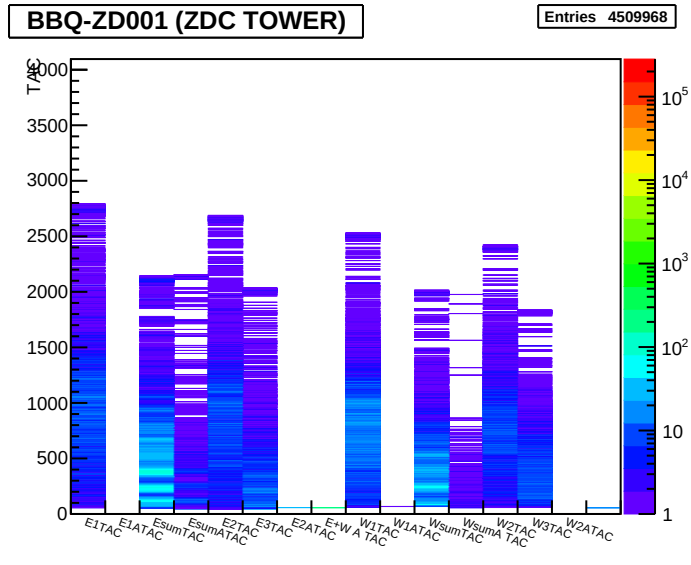

BBQ-BB001 (BBC east small tiles ADC)
Entries 4509968
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

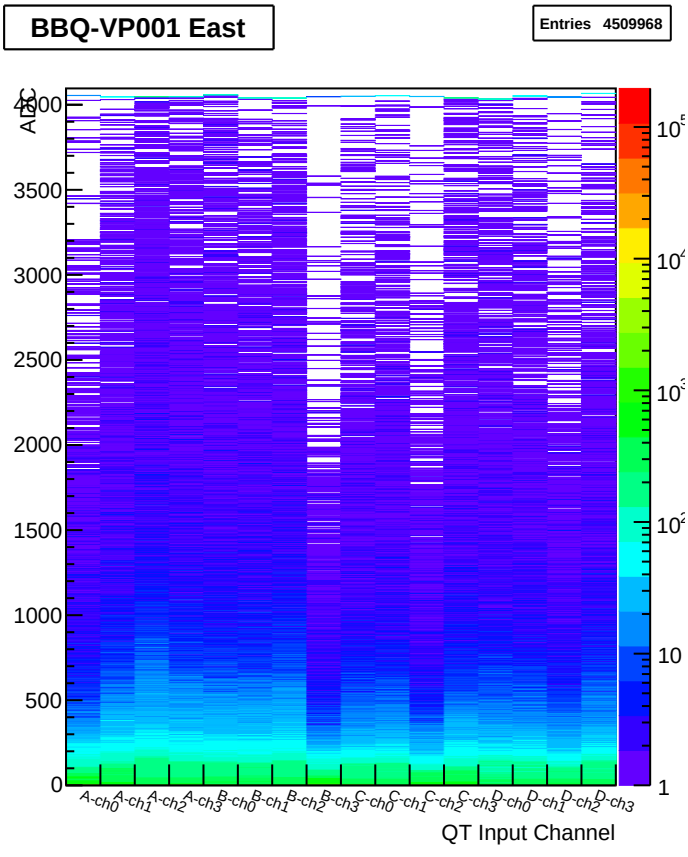

BBQ-BB001 (BBC east small tiles TAC)
Entries 4509968
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

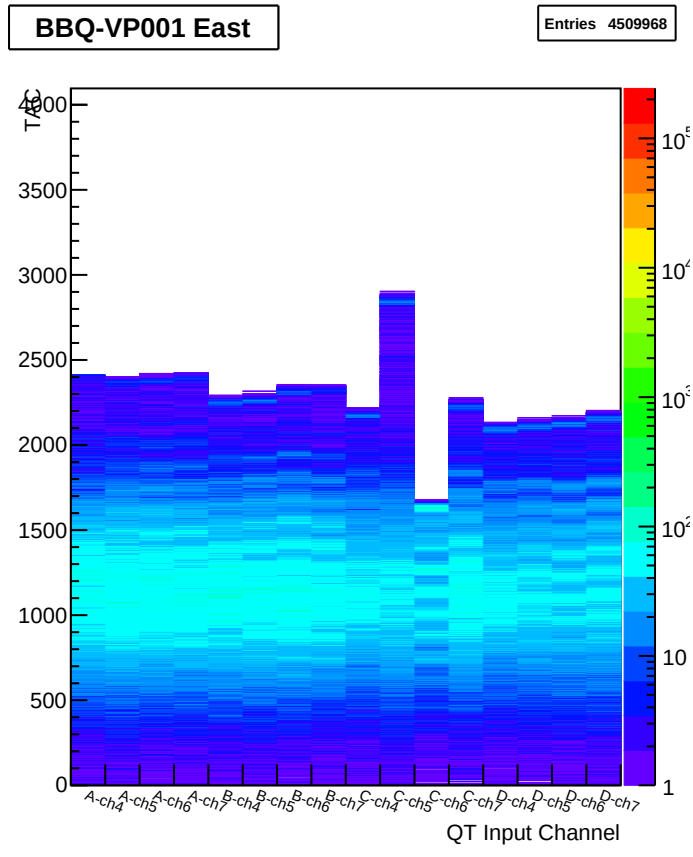

BBQ-BB002 (BBC west small tiles ADC)
Entries 4509968
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

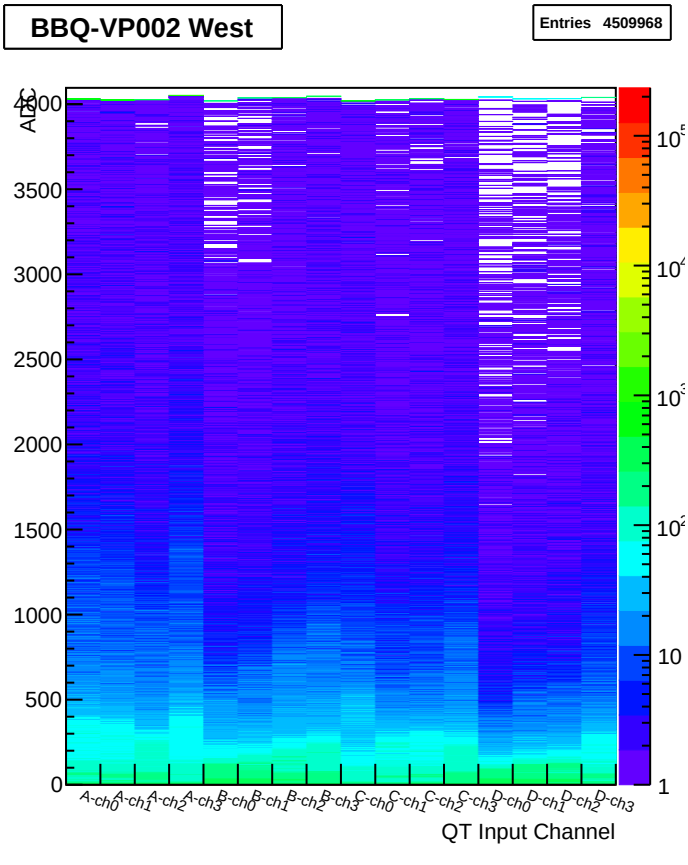

BBQ-BB002 (BBC west small tiles TAC)
Entries 4509968
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

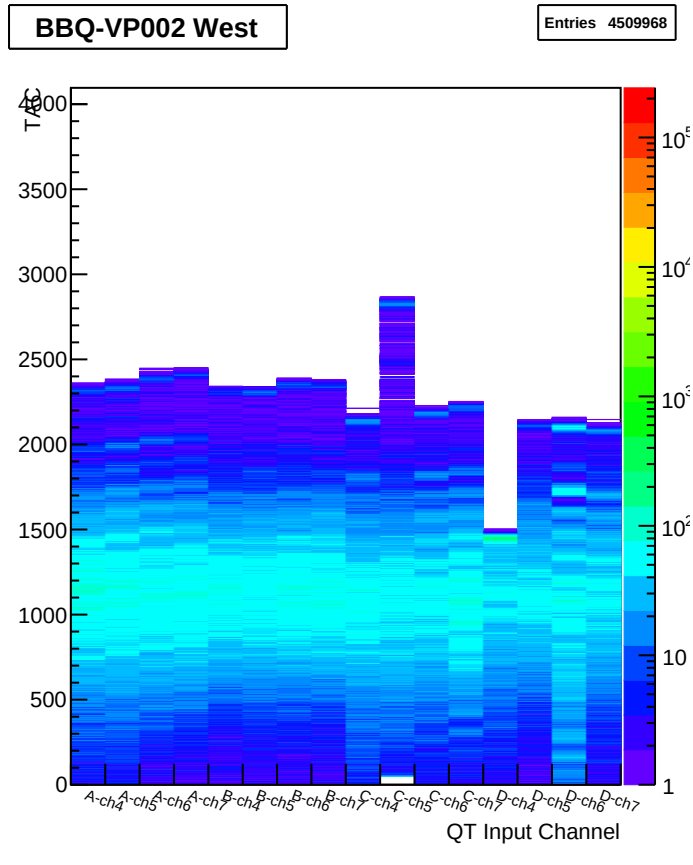

BBQ-ZD001 (ZDC TOWER)
Entries 4509968
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

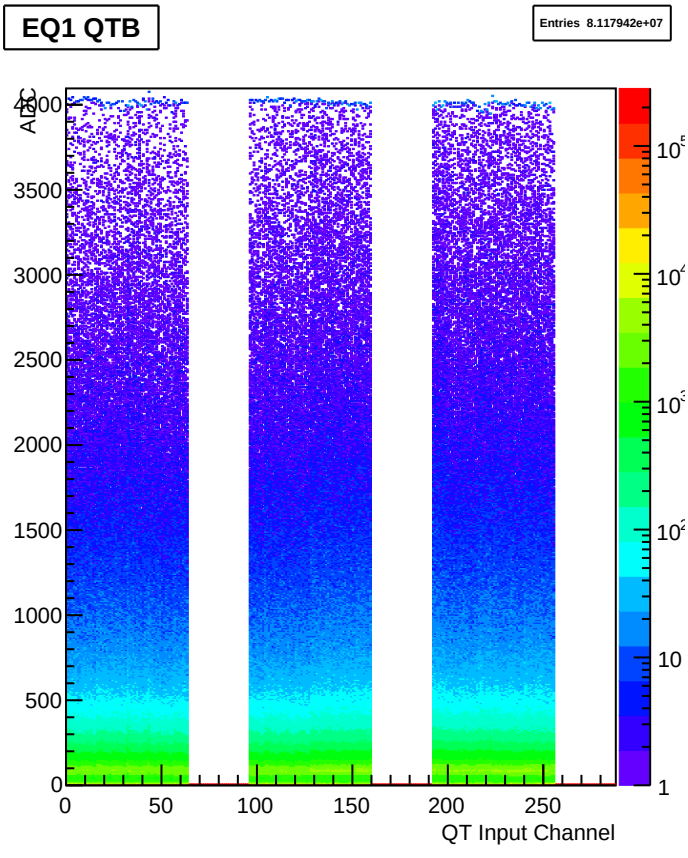

BBQ-ZD001 (ZDC TOWER)
Entries 4509968
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

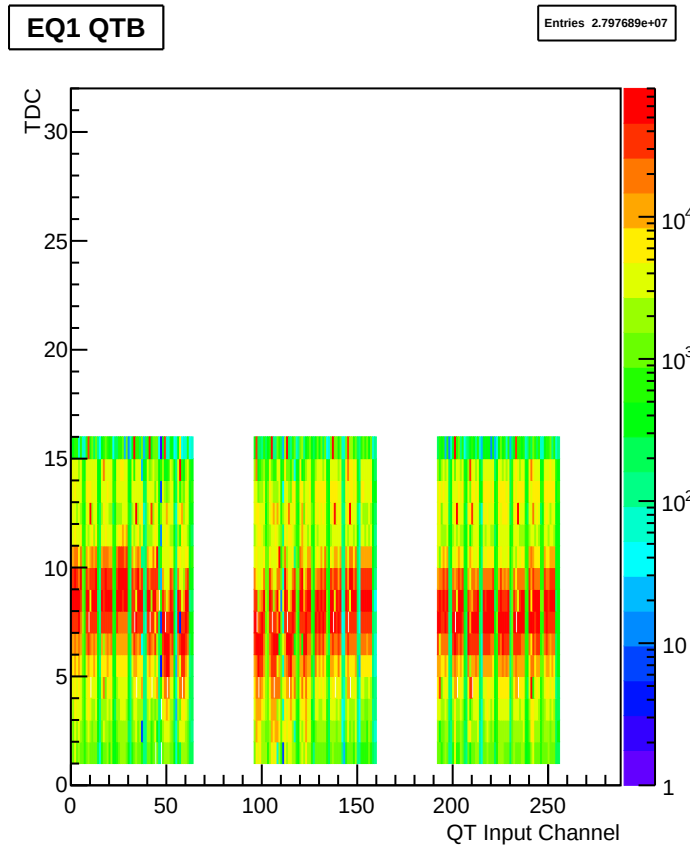

BBQ-VP001 East
Entries 4509968
ADC
QT Input Channel

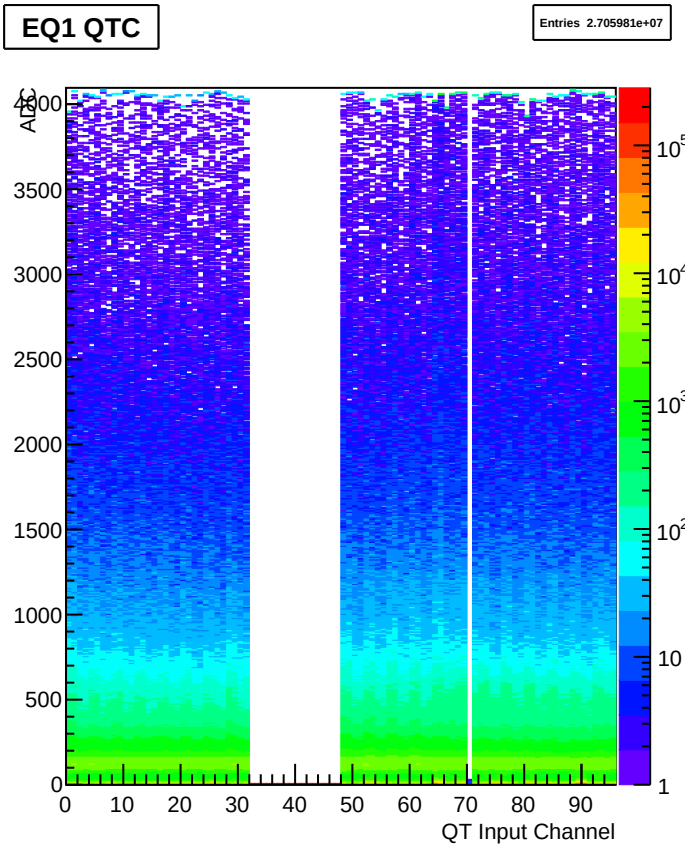

BBQ-VP001 East
Entries 4509968
ADC
QT Input Channel

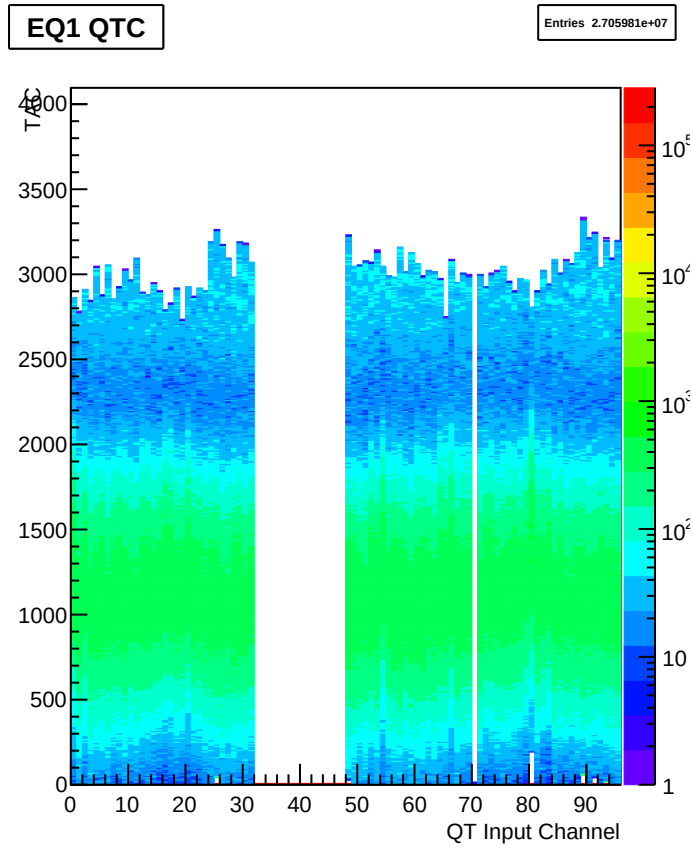

BBQ-VP002 West
Entries 4509968
ADC
QT Input Channel

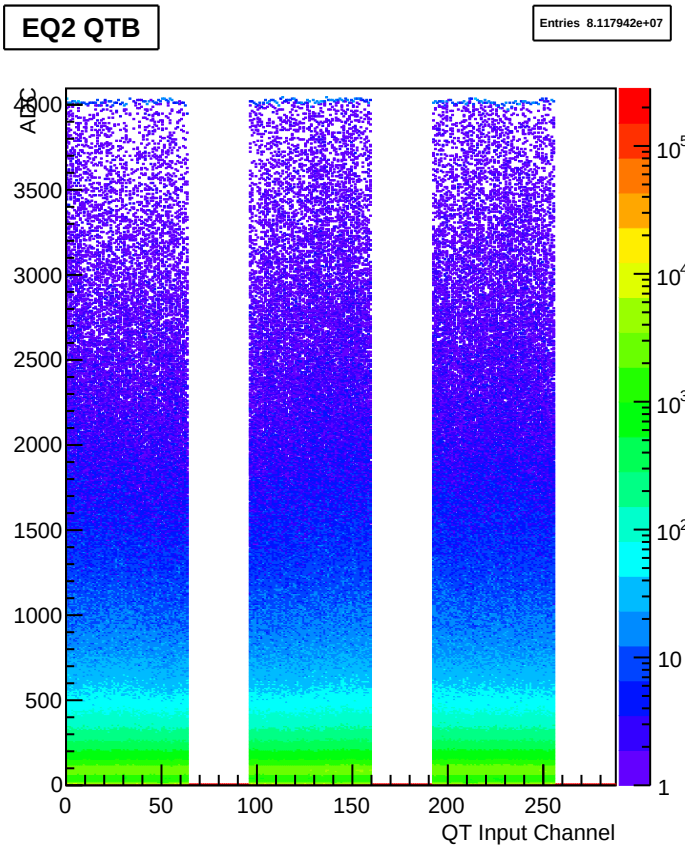

BBQ-VP002 West
Entries 4509968
ADC
QT Input Channel

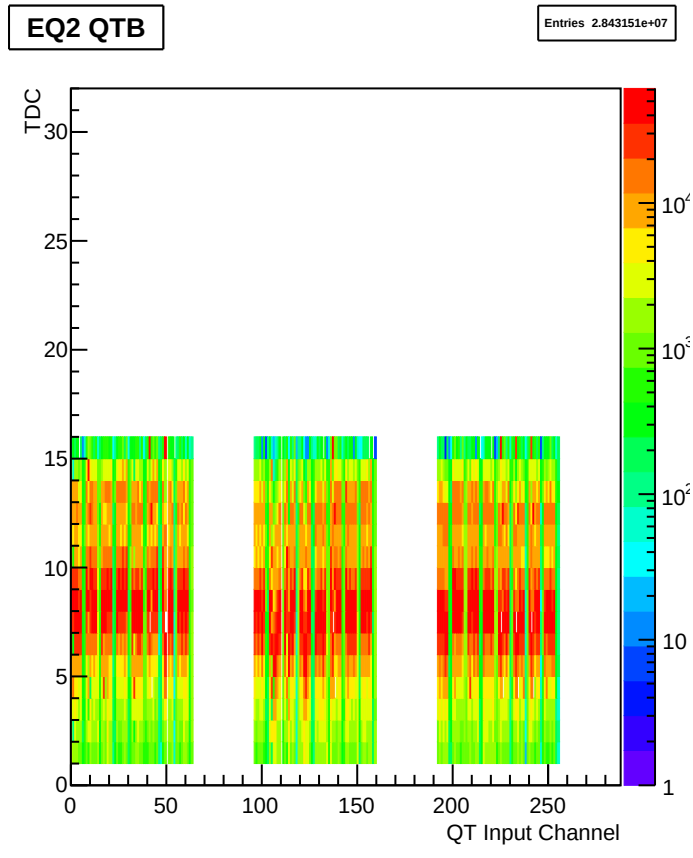

EQ1 QTB
Entries 8.117942e+07
ADC
QT Input Channel

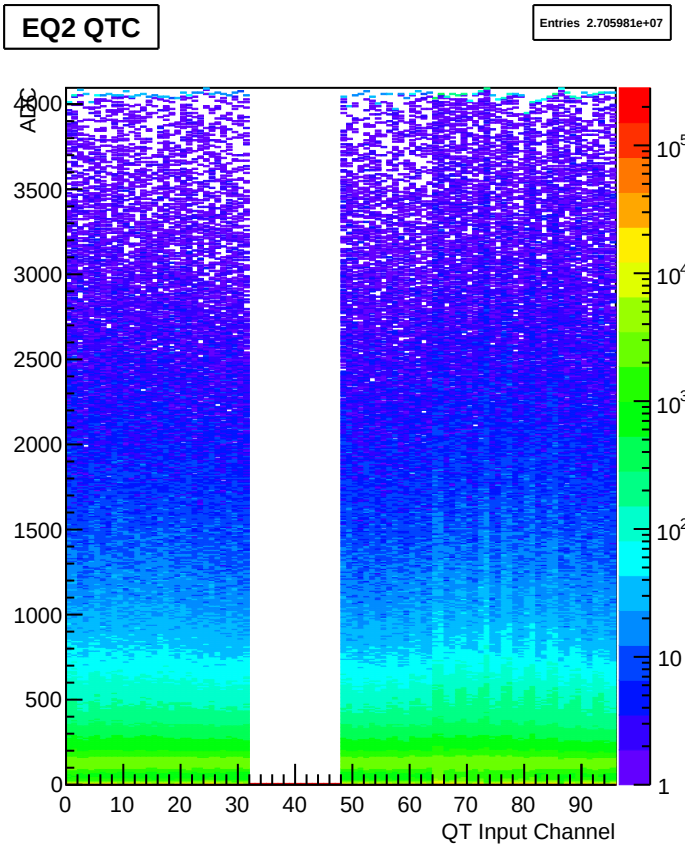

EQ1 QTB
Entries 2.797689e+07
TDC
QT Input Channel

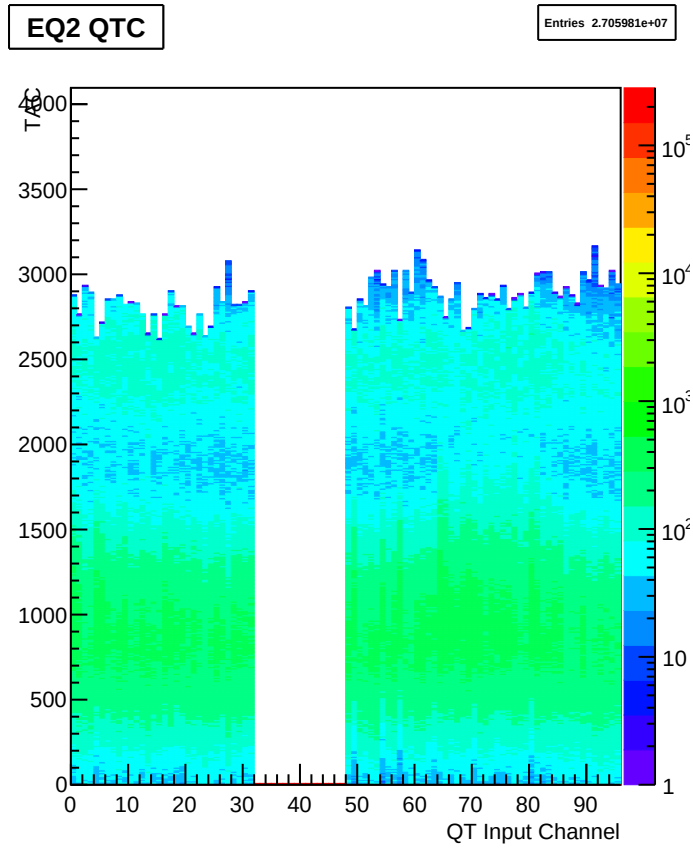

EQ1 QTC
Entries 2.705981e+07
ADC
QT Input Channel

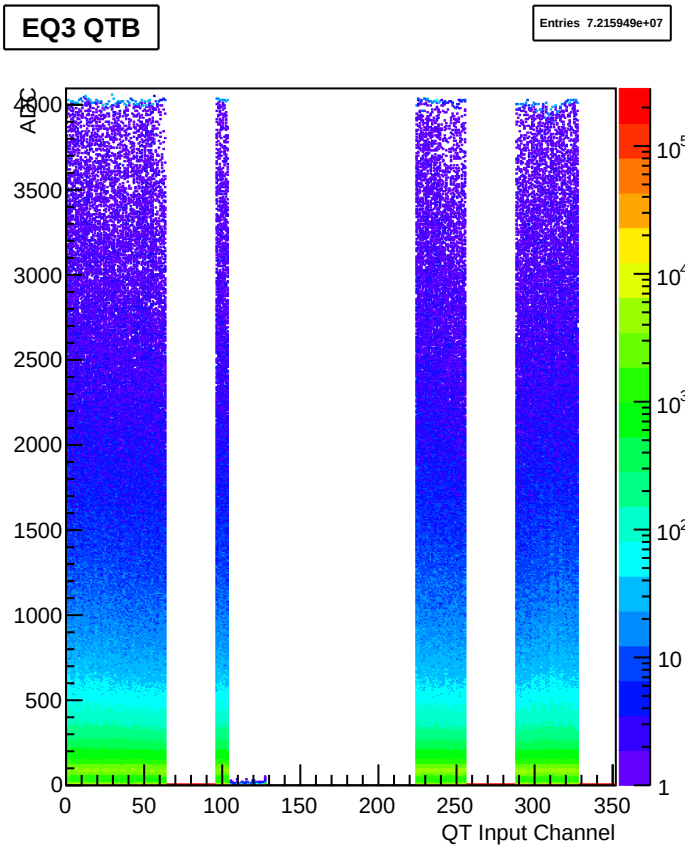

EQ1 QTC
Entries 2.705981e+07
TADC
QT Input Channel

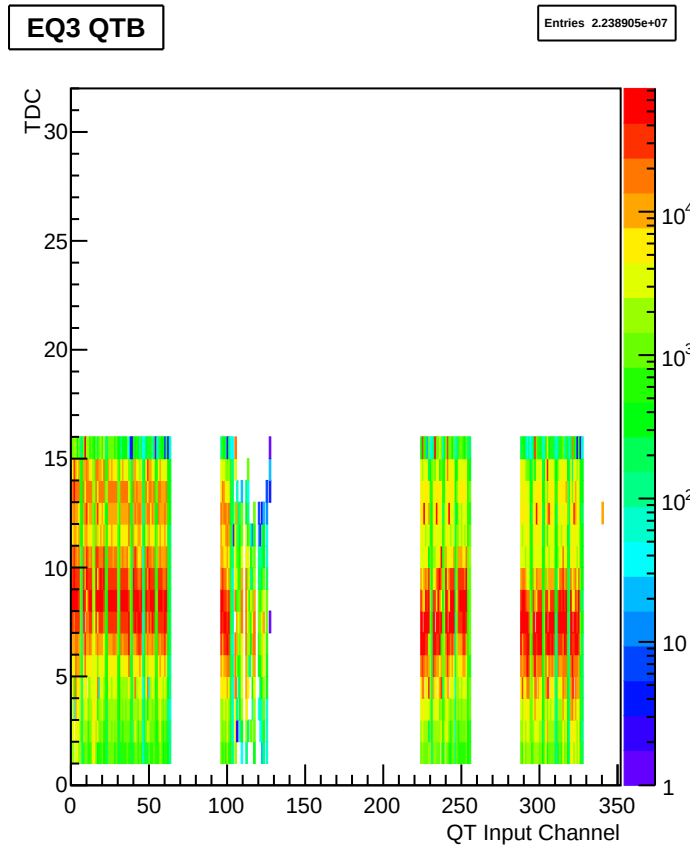

EQ2 QTB
Entries 8.117942e+07
ADC
QT Input Channel

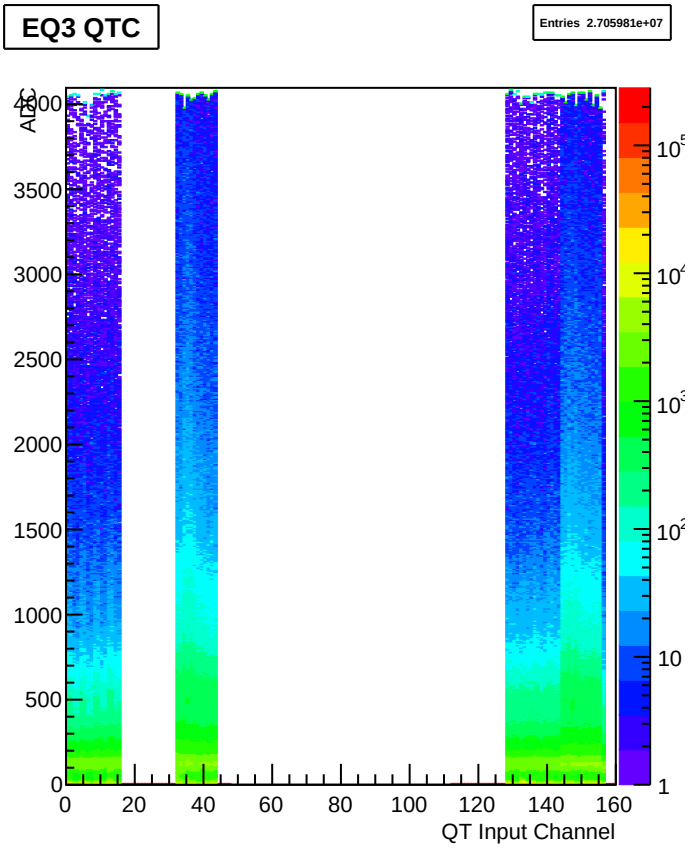

EQ2 QTB
Entries 2.843151e+07
TDC
QT Input Channel

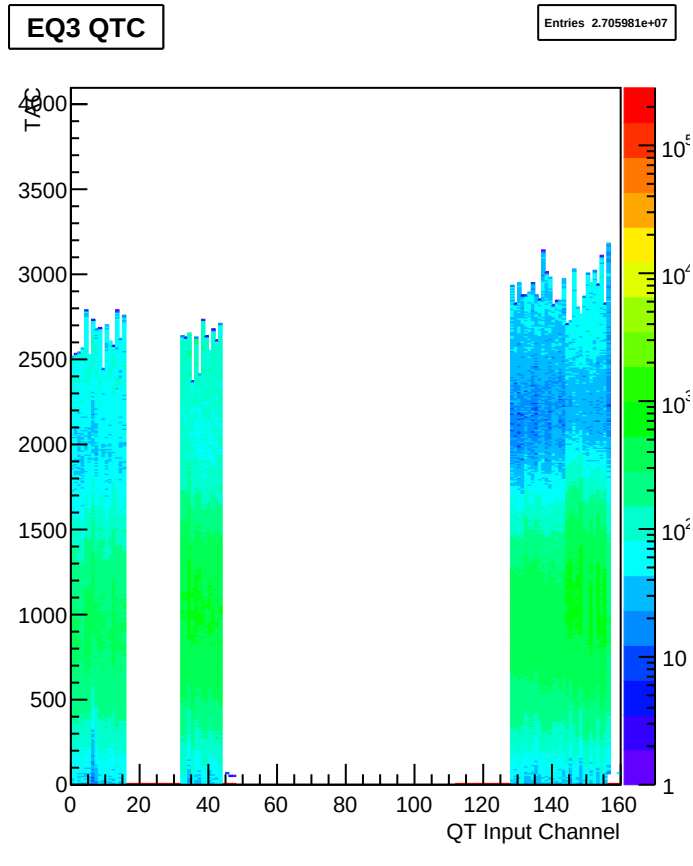

EQ2 QTC
Entries 2.705981e+07
ADC
QT Input Channel

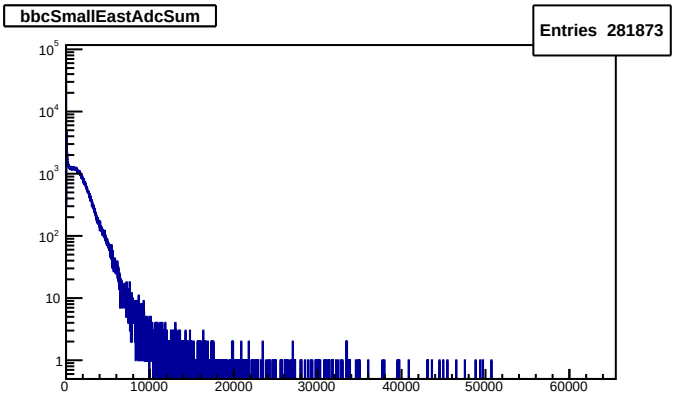

EQ2 QTC
Entries 2.705981e+07
TADC
QT Input Channel

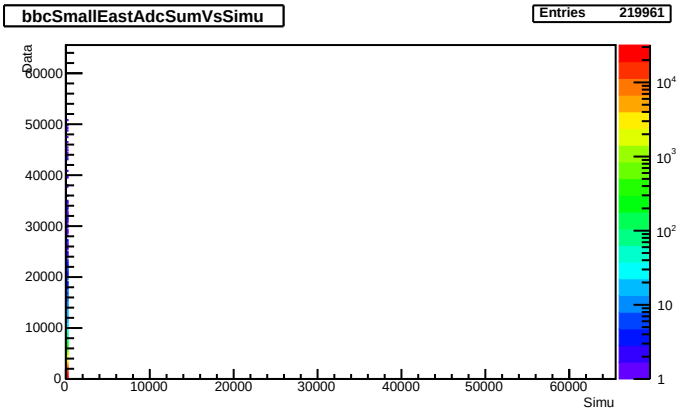

EQ3 QTB
Entries 7.215949e+07
ADC
QT Input Channel

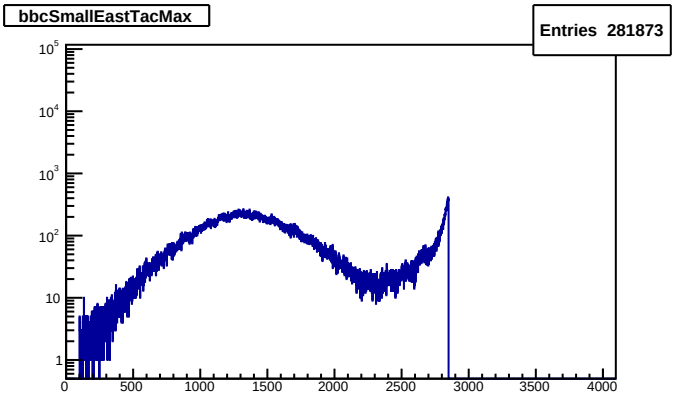

EQ3 QTB
Entries 2.238905e+07
TDC
QT Input Channel

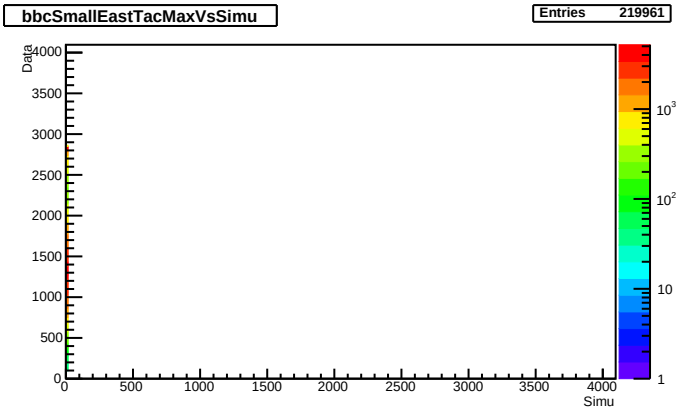

EQ3 QTC
Entries 2.705981e+07
ADC
QT Input Channel

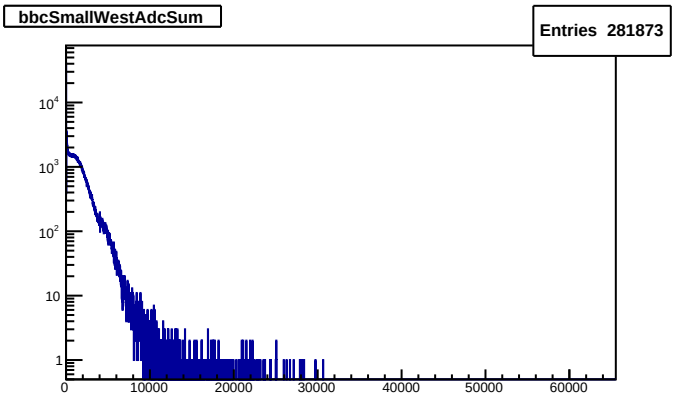

EQ3 QTC
Entries 2.705981e+07
TADC
QT Input Channel

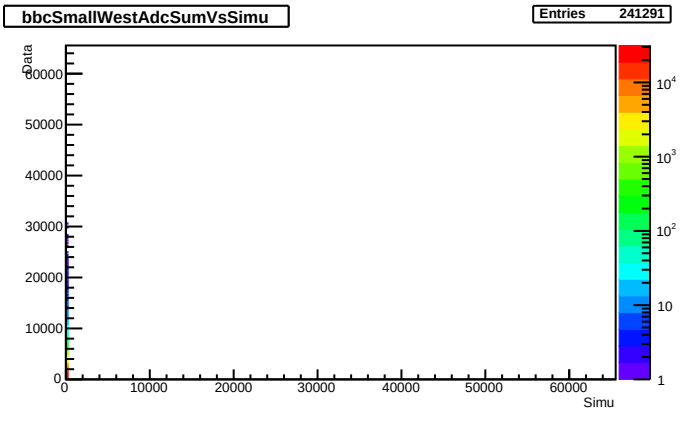

bbcSmallEastAdcSum
Entries 281873

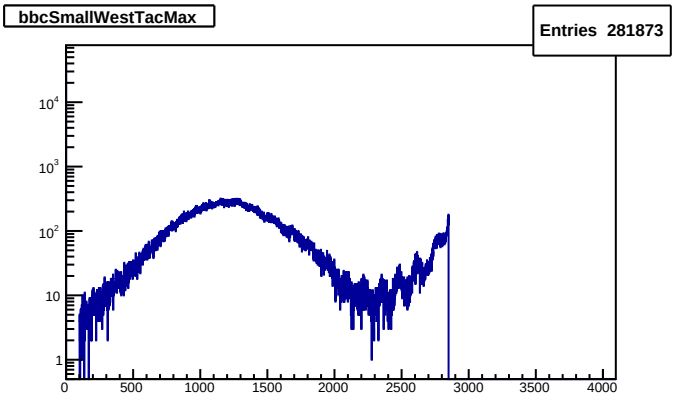

bbcSmallEastAdcSumVsSimu
Entries 219961
Data
Simu

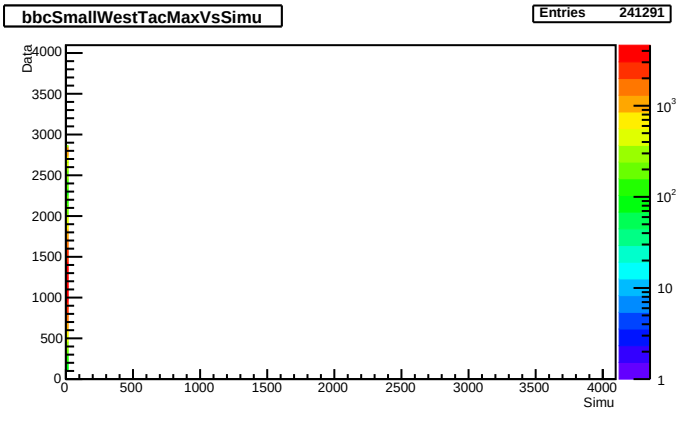

bbcSmallEastTacMax
Entries 281873

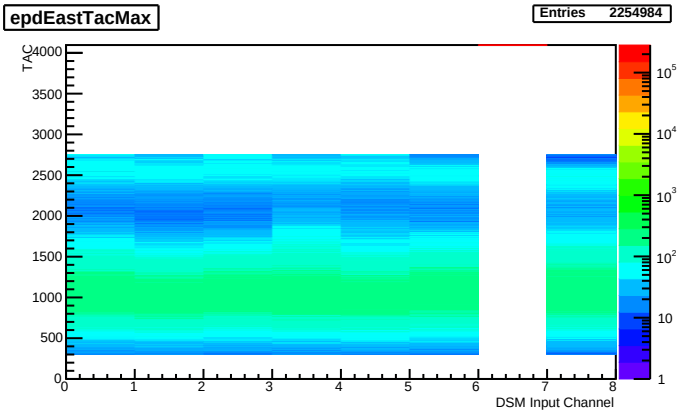

bbcSmallEastTacMaxVsSimu
Entries 219961
Data
Simu

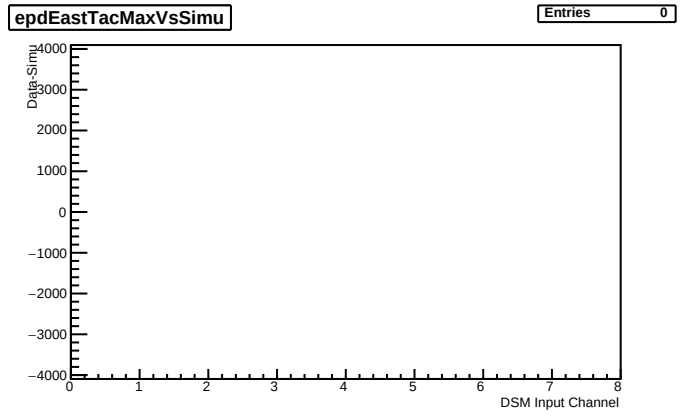

bbcSmallWestAdcSum
Entries 281873

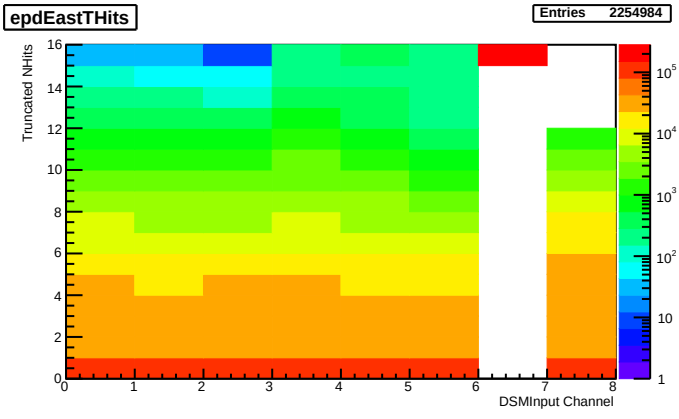

bbcSmallWestAdcSumVsSimu
Entries 241291
Data
Simu

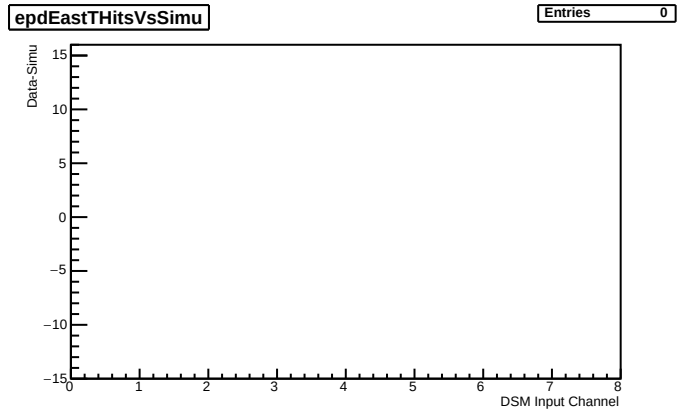

bbcSmallWestTacMax
Entries 281873

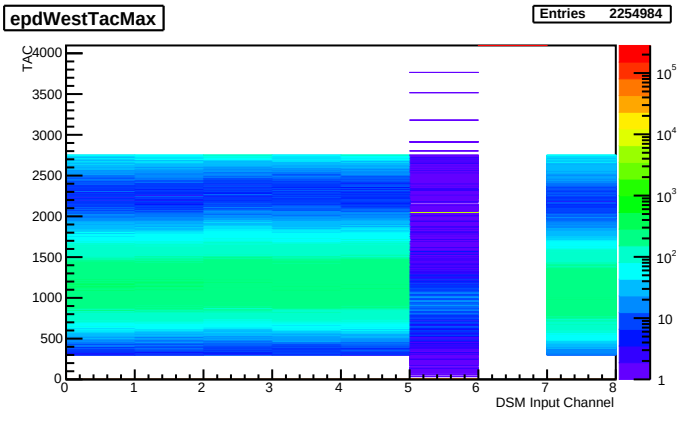

bbcSmallWestTacMaxVsSimu
Entries 241291
Data
Simu

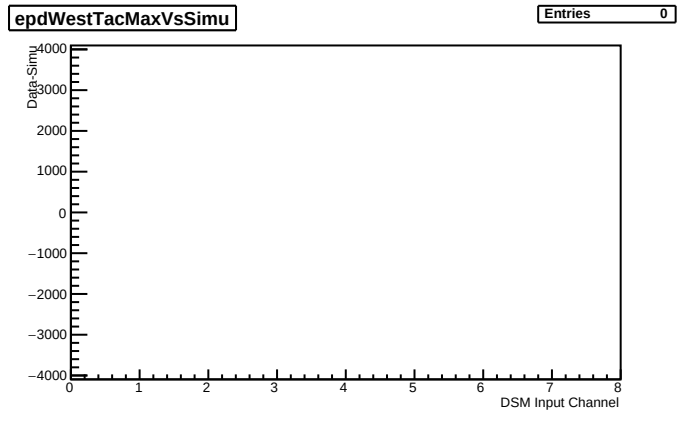

epdEastTacMax
Entries 2254984
TAC
DSM Input Channel

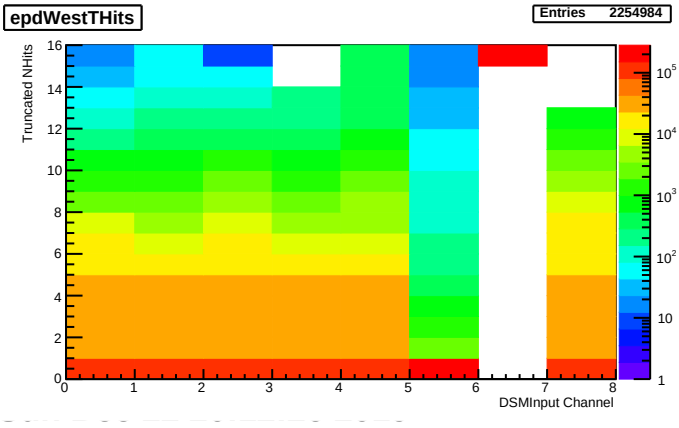

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

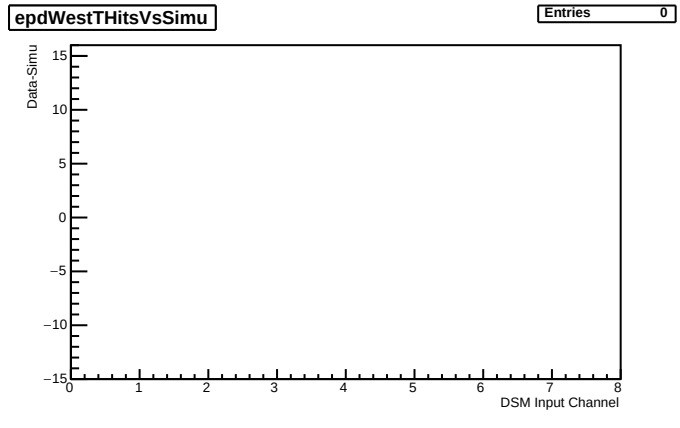

epdEastTHits
Entries 2254984
Truncated NHits
DSMInput Channel

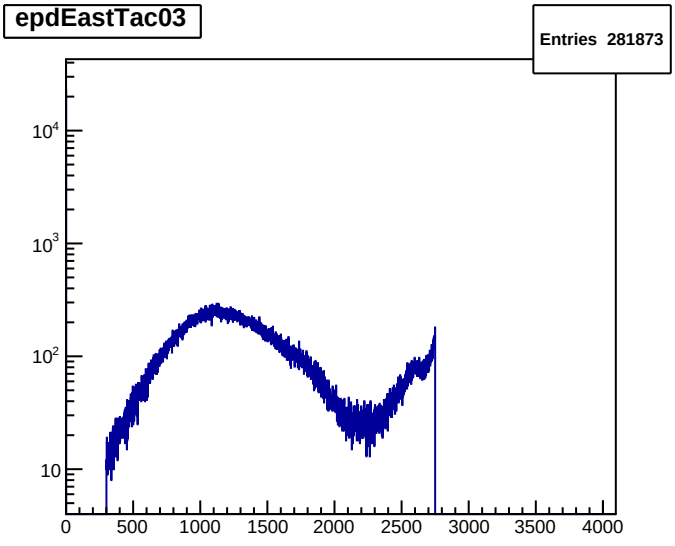

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

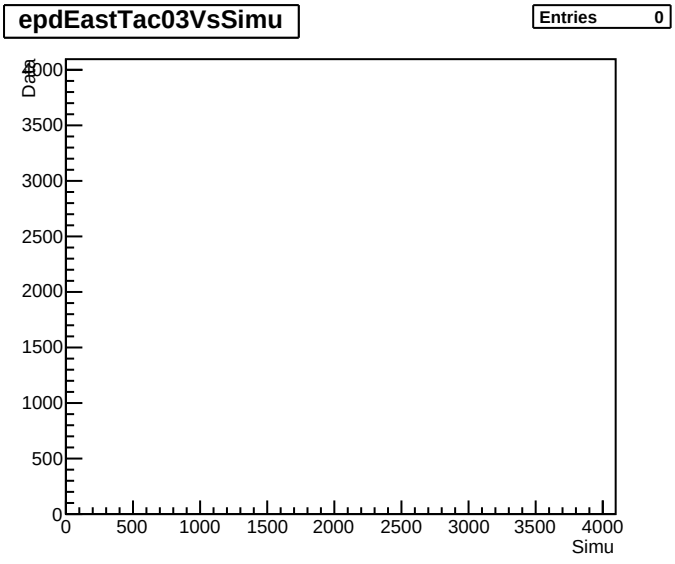

epdWestTacMax
Entries 2254984
TAC
DSM Input Channel

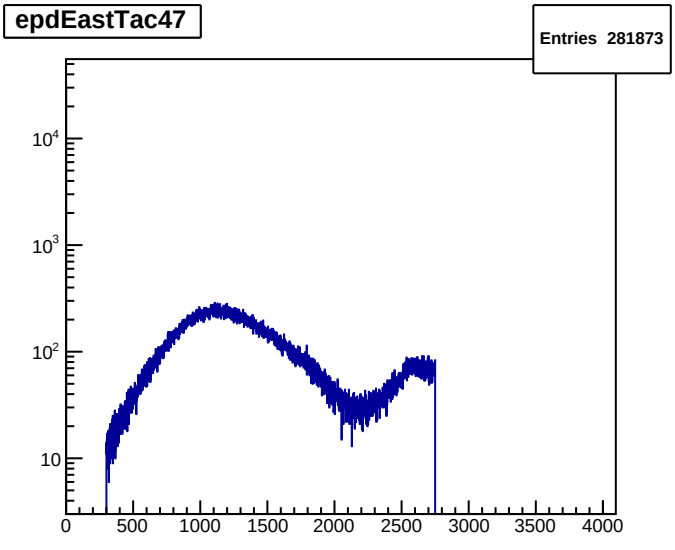

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

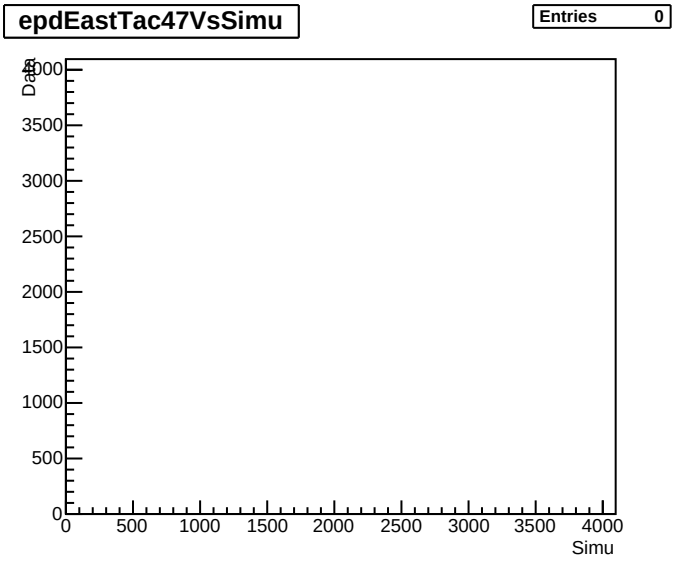

epdWestTHits
Entries 2254984
Truncated NHits
DSMInput Channel

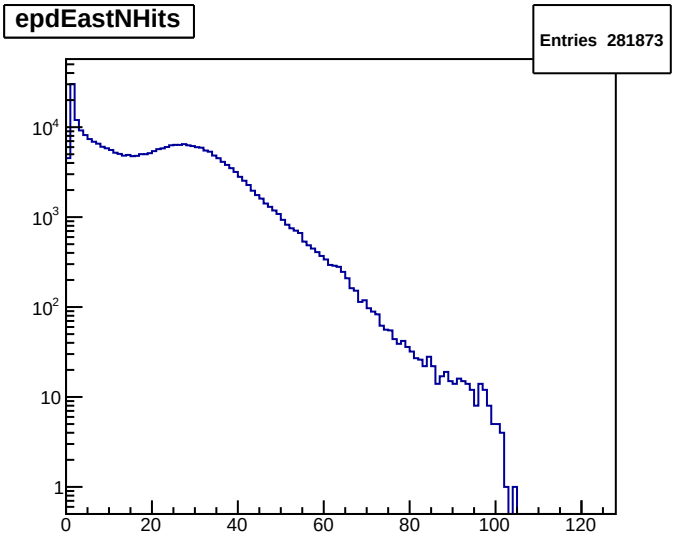

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

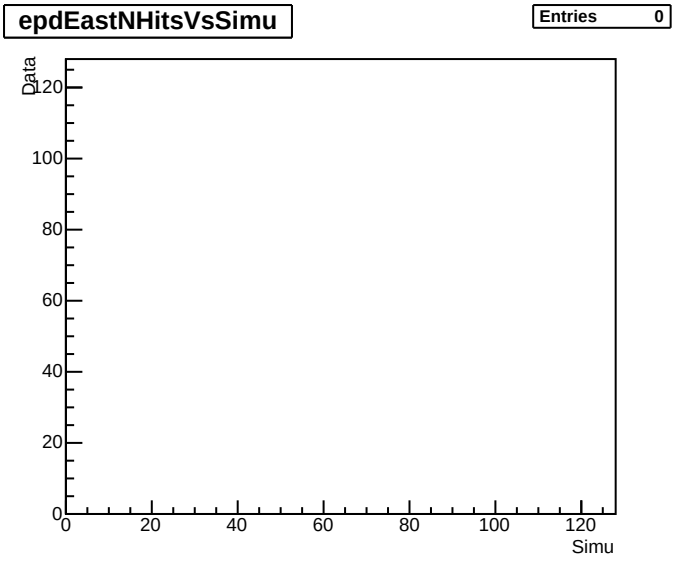

epdEastTac03
Entries 281873

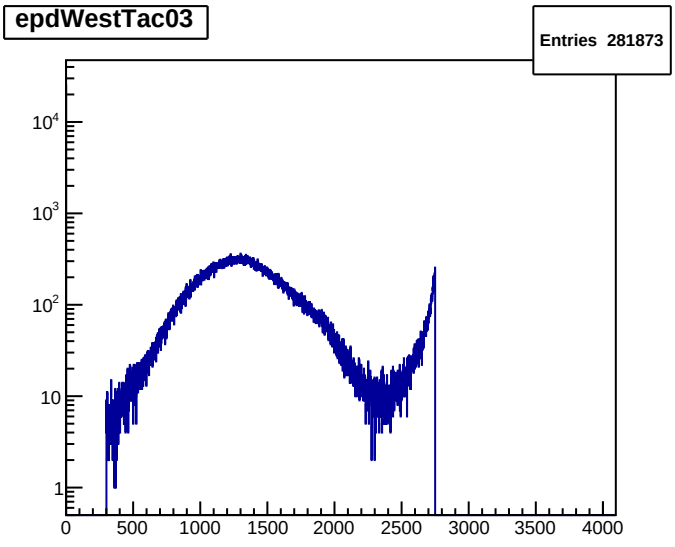

epdEastTac03VsSimu
Entries 0
Data
Simu

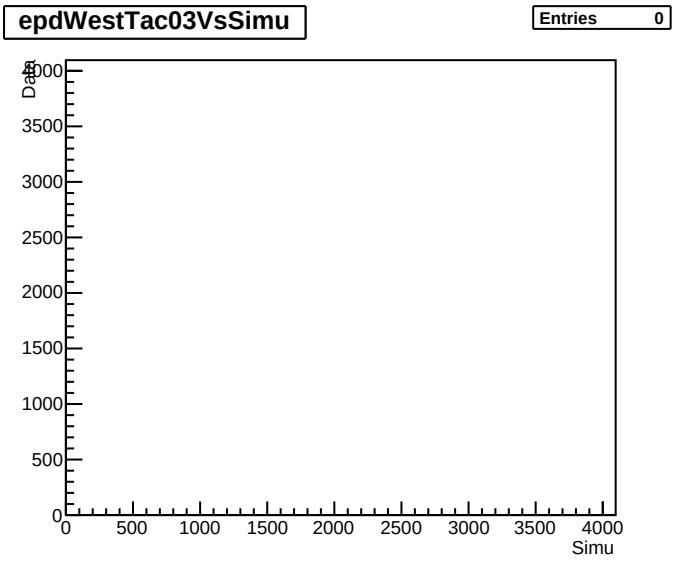

epdEastTac47
Entries 281873

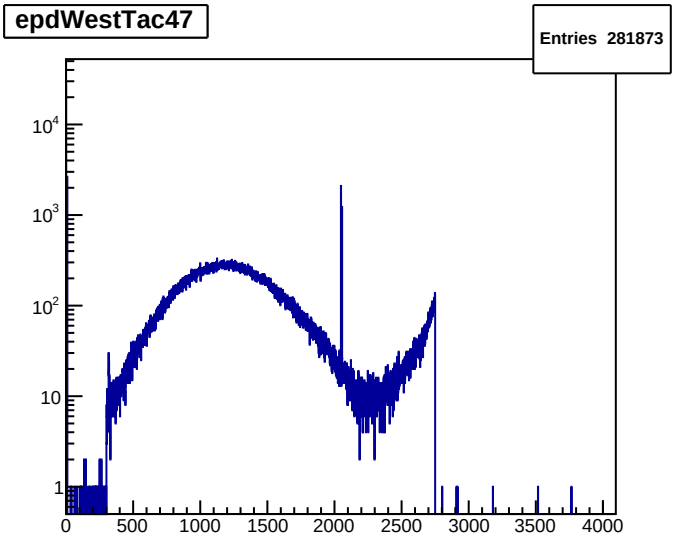

epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 281873


epdEastNHitsVsSimu
Entries 0
Data
Simu


epdWestTac03
Entries 281873


epdWestTac03VsSimu
Entries 0
Data
Simu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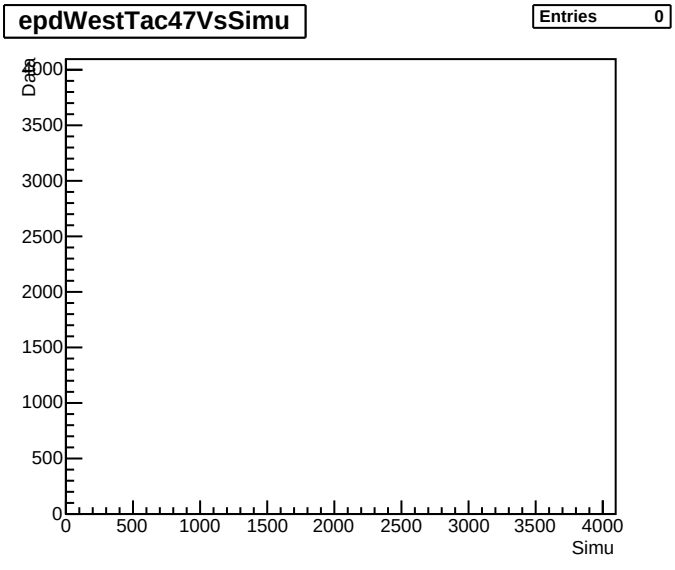
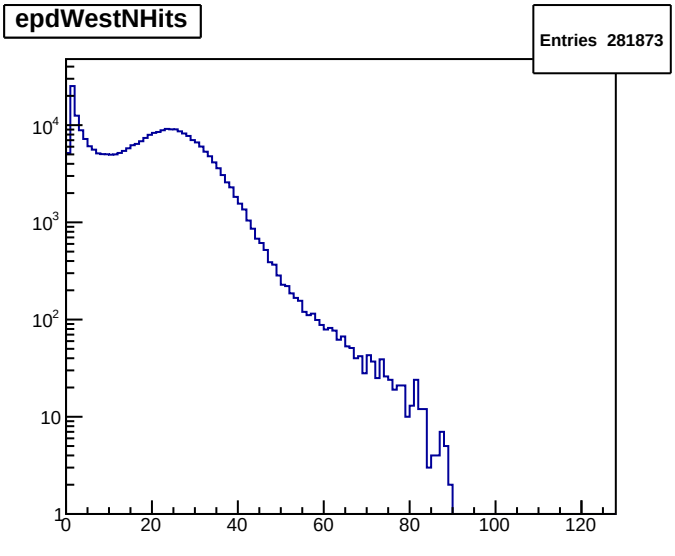
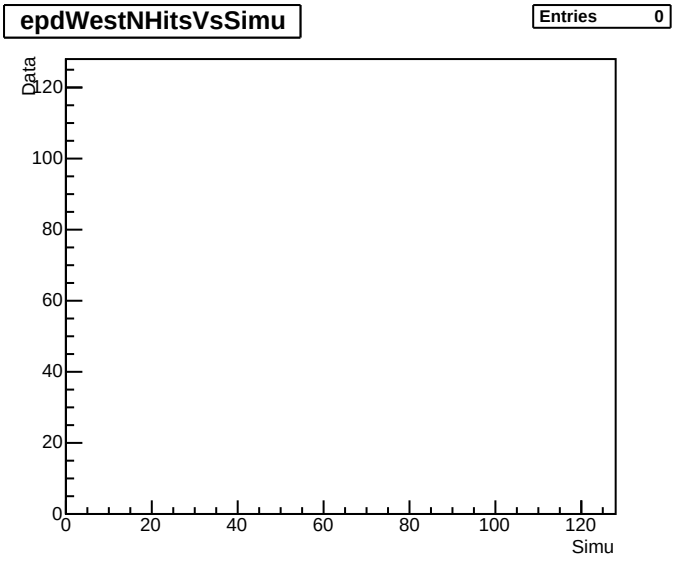
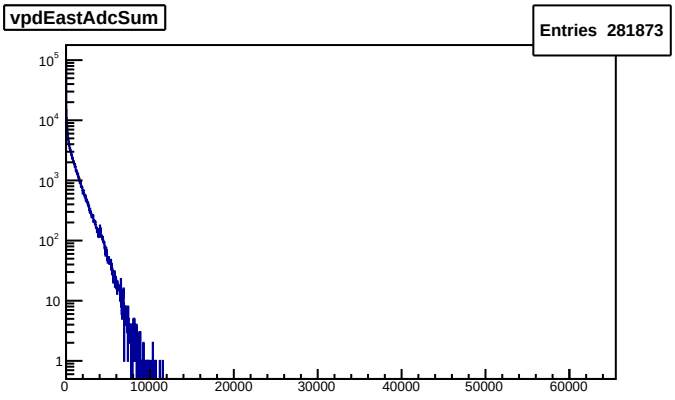
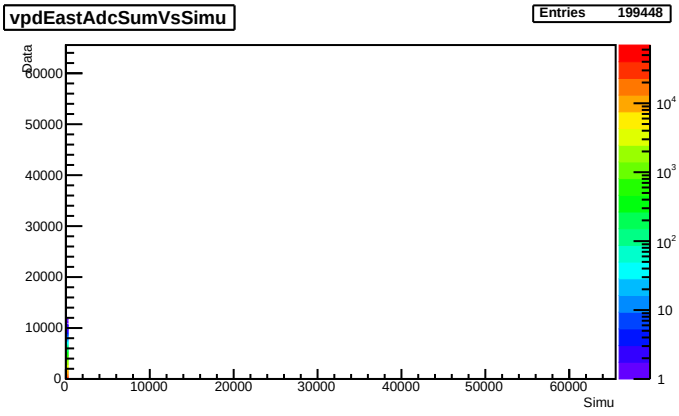
Entries 281873

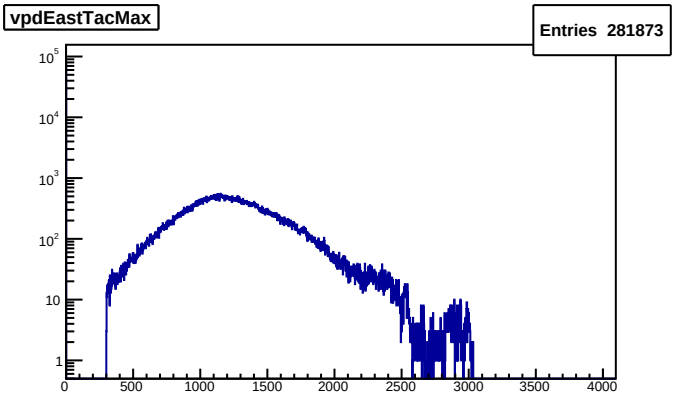

epdWestTac47VsSimu
Entries 0
Data
Simu

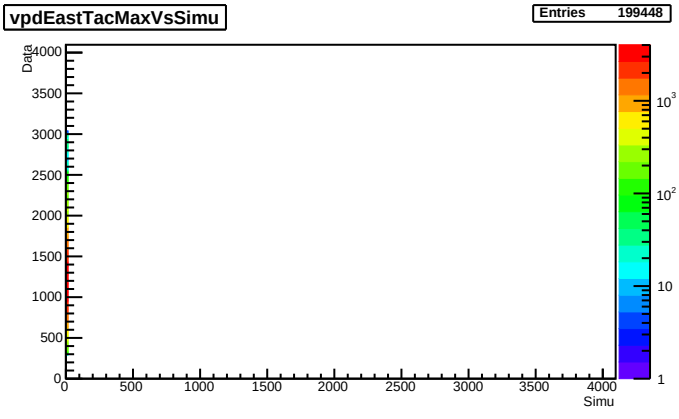

epdWestNHits
Entries 281873

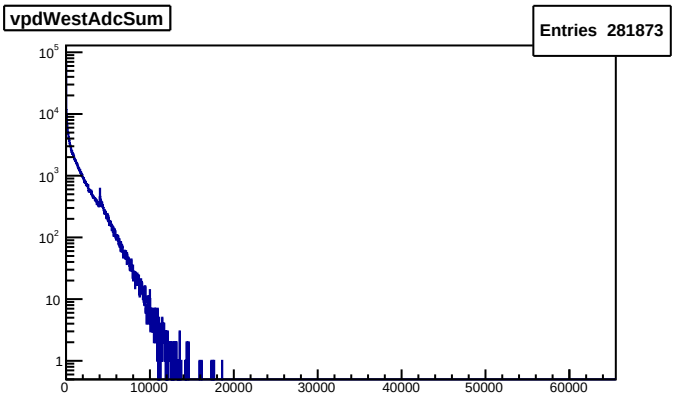

epdWestNHitsVsSimu
Entries 0
Data
Simu

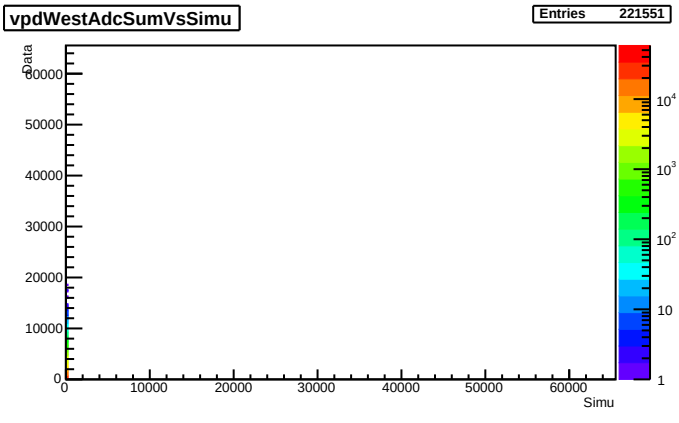

vpdEastAdcSum
Entries 281873

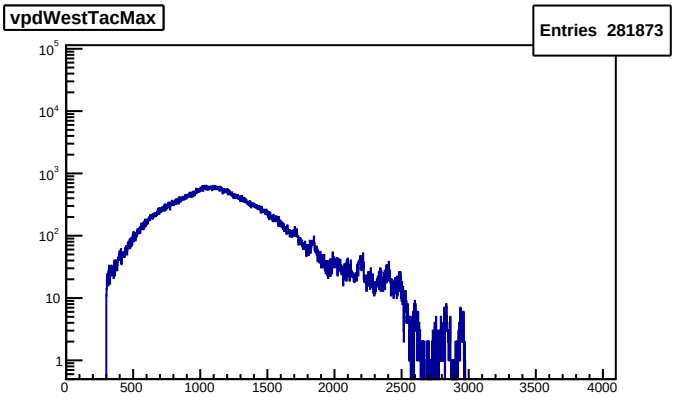

vpdEastAdcSumVsSimu
Entries 199448
Data
Simu

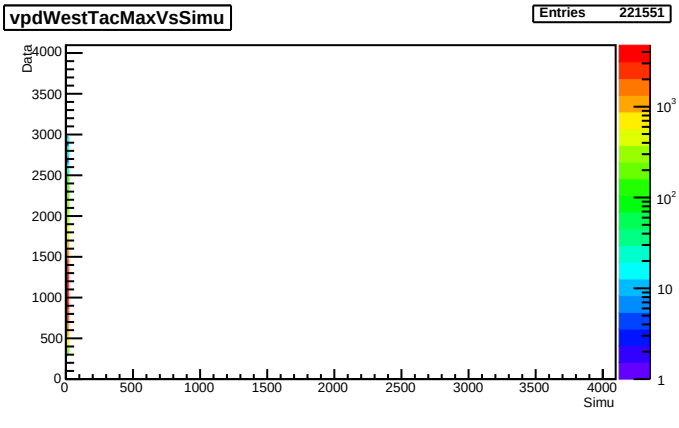

vpdEastTacMax
Entries 281873

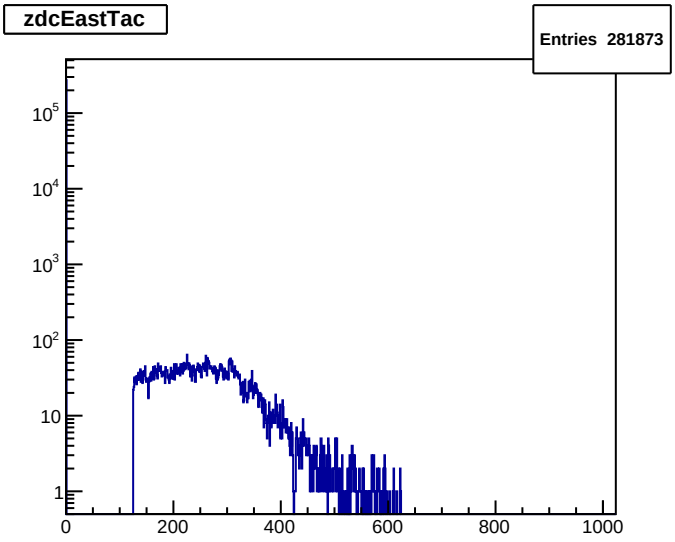

vpdEastTacMaxVsSimu
Entries 199448
Data
Simu

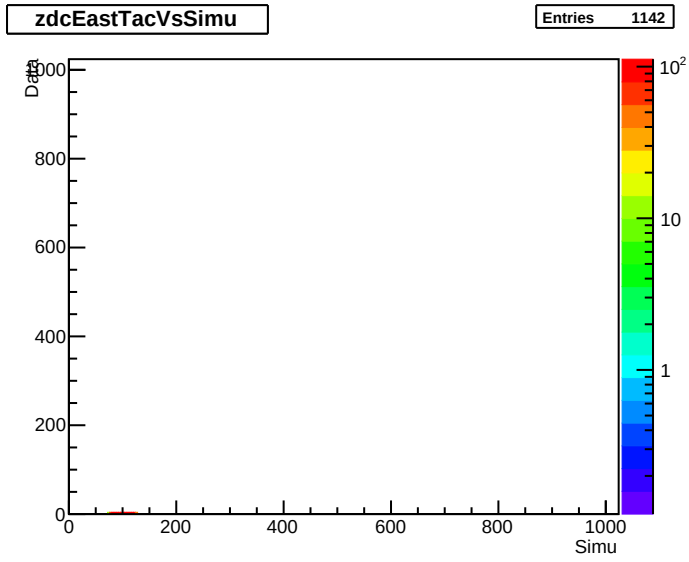

vpdWestAdcSum
Entries 281873

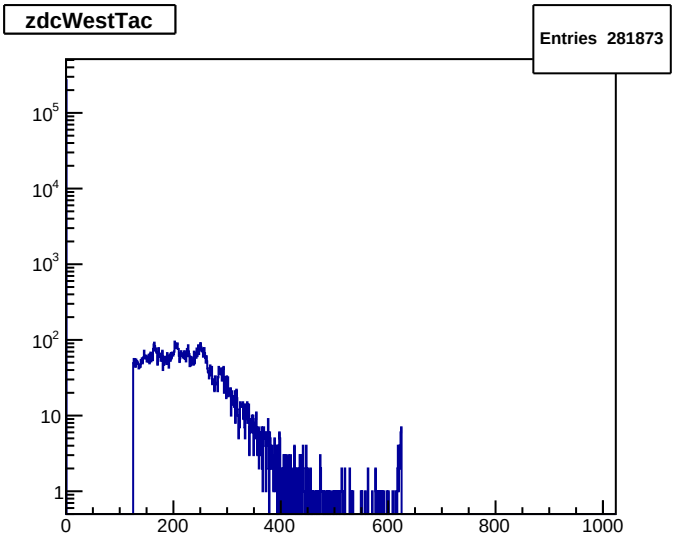

vpdWestAdcSumVsSimu
Entries 221551
Data
Simu

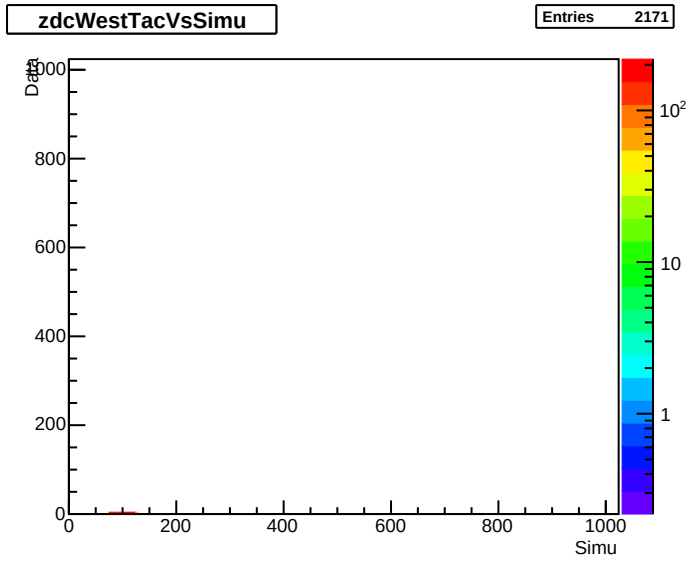

vpdWestTacMax
Entries 281873

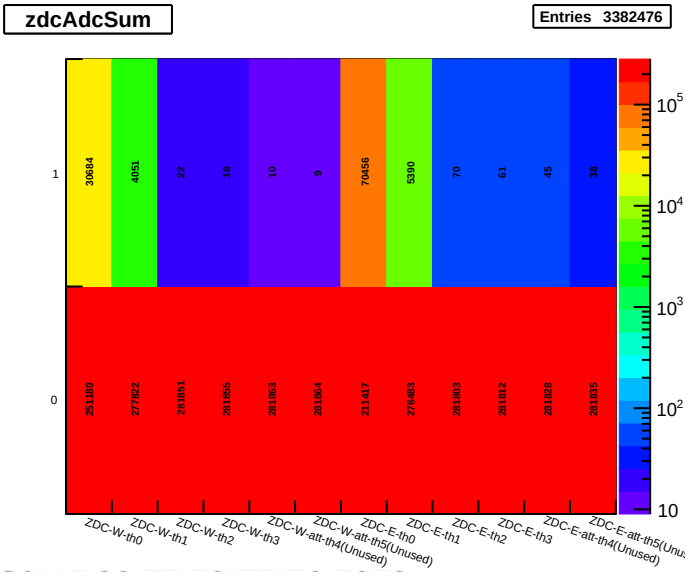

vpdWestTacMaxVsSimu
Entries 221551
Data
Simu

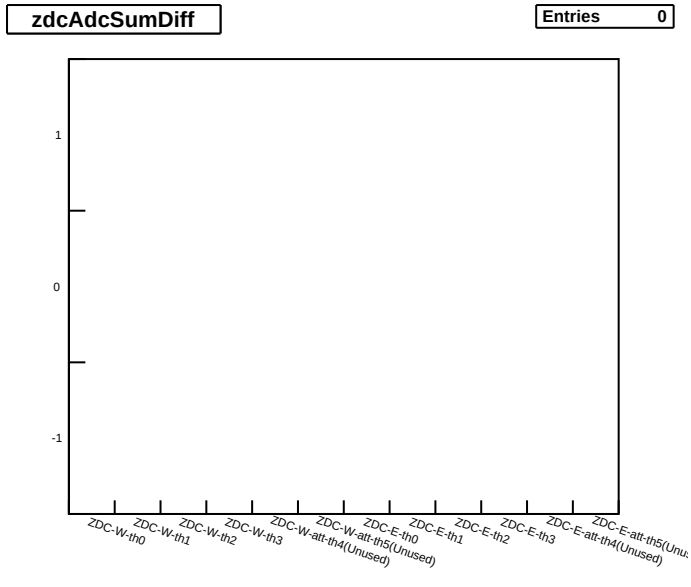

zdcEastTac
Entries 281873

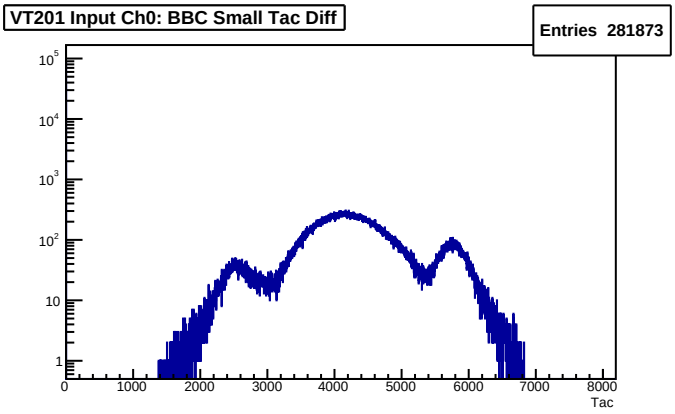

zdcEastTacVsSimu
Entries 1142
Data
Simu

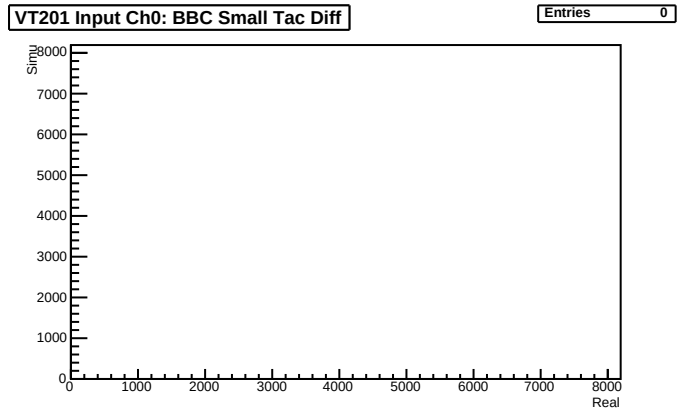

zdcWestTac
Entries 281873

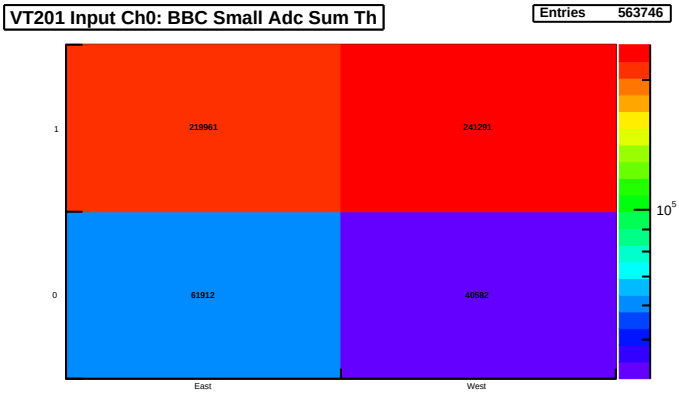

zdcWestTacVsSimu
Entries 2171
Data
Simu

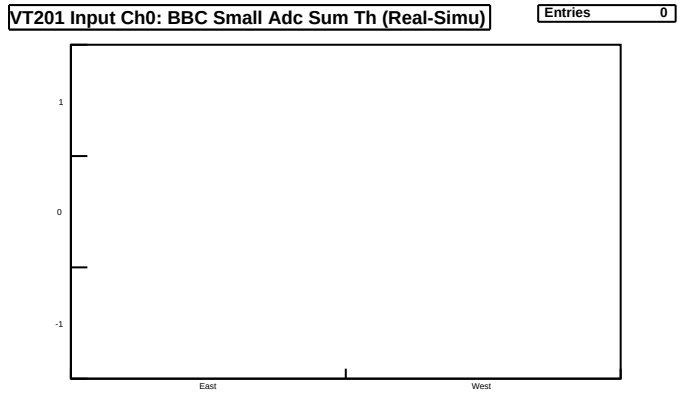

zdcAdcSum
Entries 3382476
30684
4051
22
18
10
9
70456
5390
70
61
45
38
251189
277822
281851
281855
281863
281864
211417
276483
281803
281812
281828
281835
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

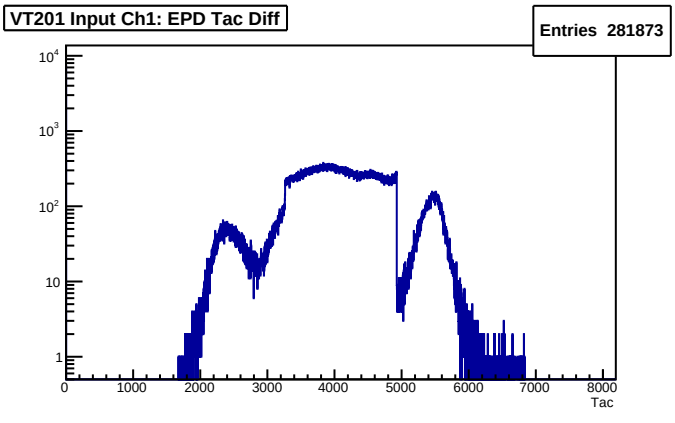

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

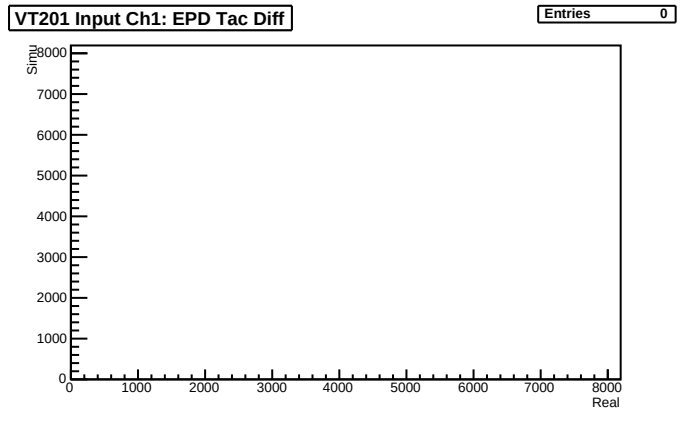

VT201 Input Ch0: BBC Small Tac Diff
Entries 281873
Tac

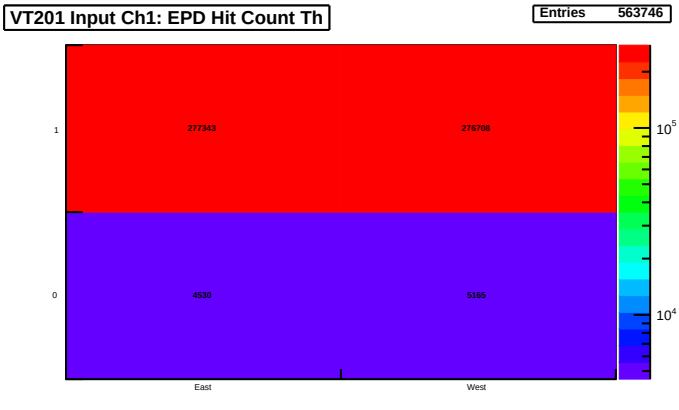

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

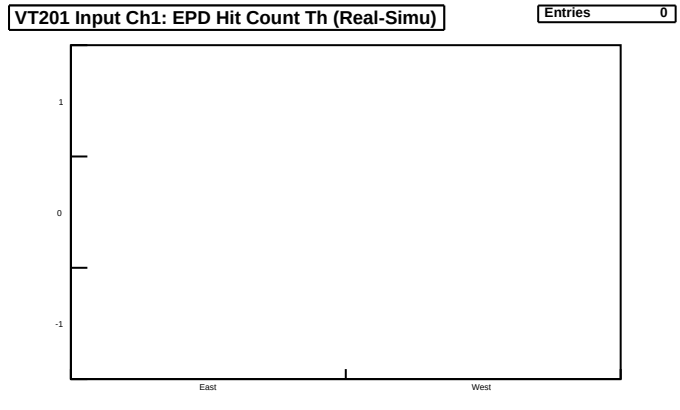

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 563746
219961
241291
61912
40582
East
West

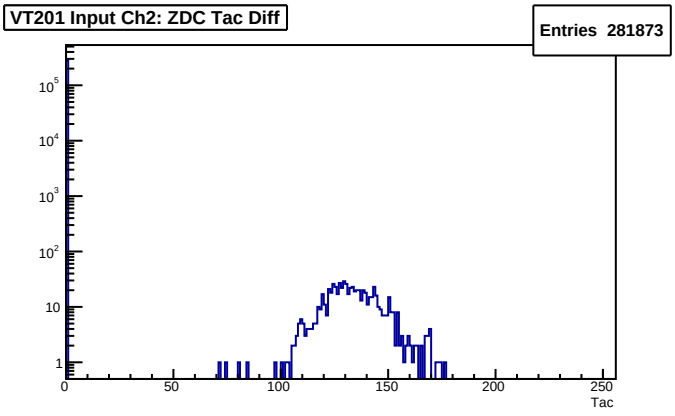

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

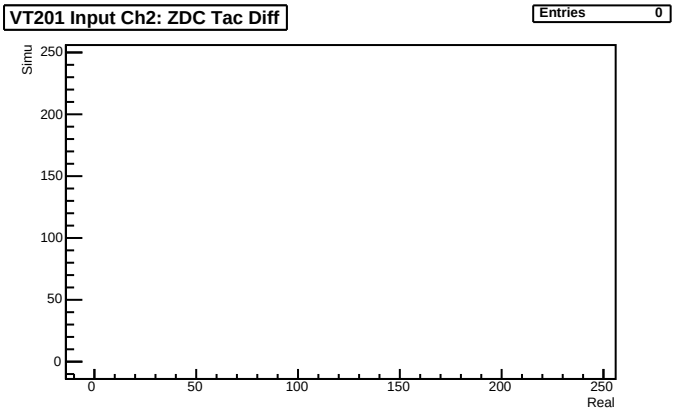

VT201 Input Ch1: EPD Tac Diff
Entries 281873
Tac

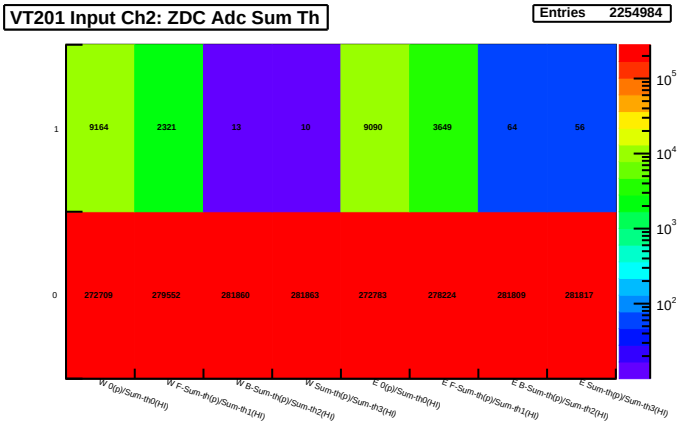

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

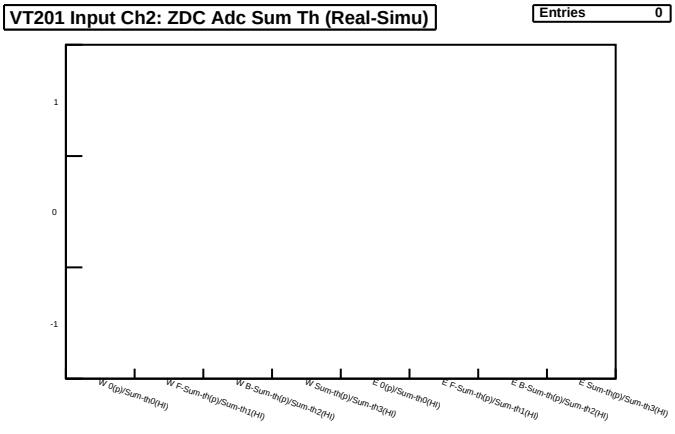

VT201 Input Ch1: EPD Hit Count Th
Entries 563746
277343
276708
4530
5165
East
West

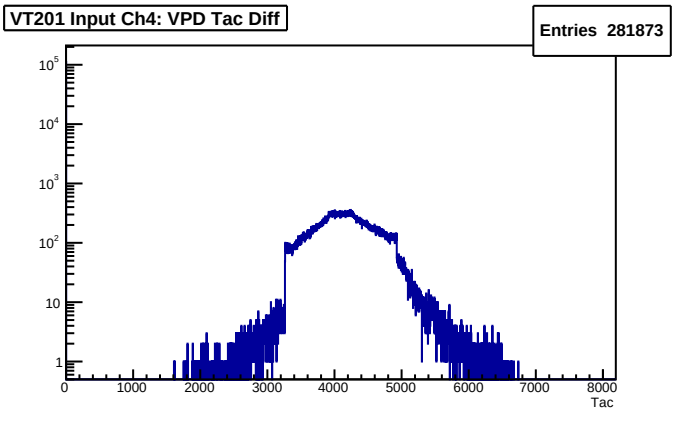

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

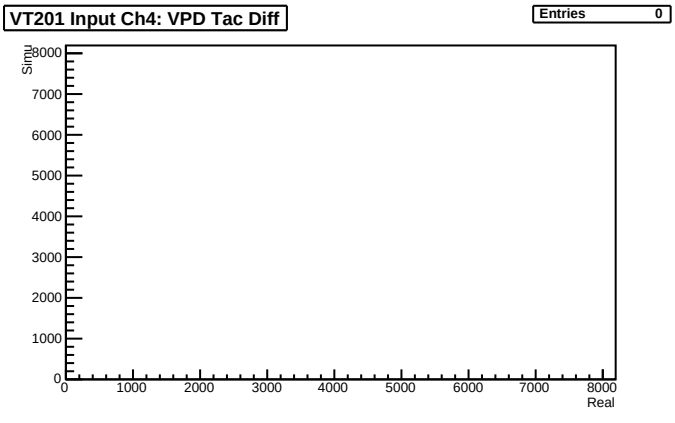

VT201 Input Ch2: ZDC Tac Diff
Entries 281873
Tac

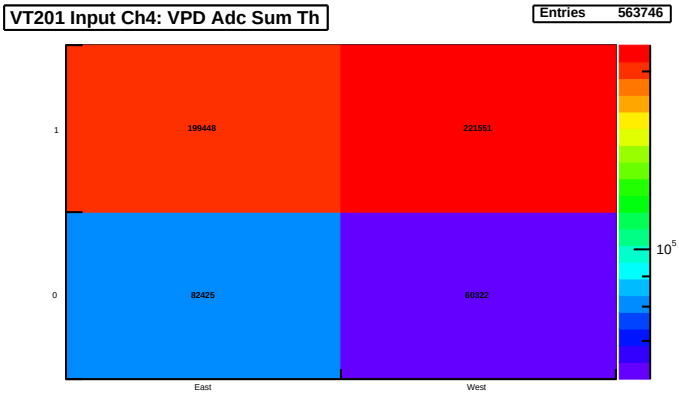

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

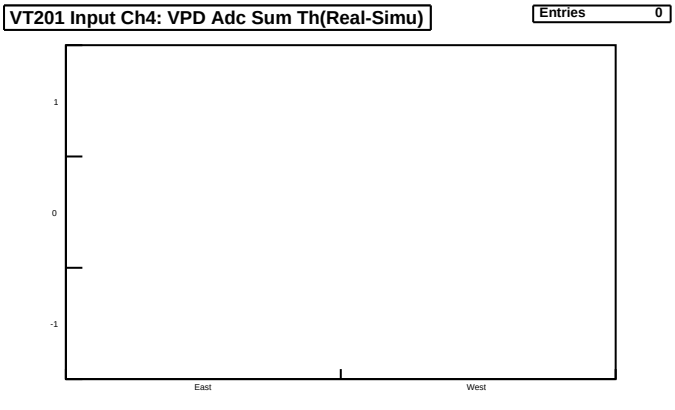

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2254984
9164
2321
13
10
9090
3649
64
56
272709
279552
281860
281863
272783
278224
281809
281817
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

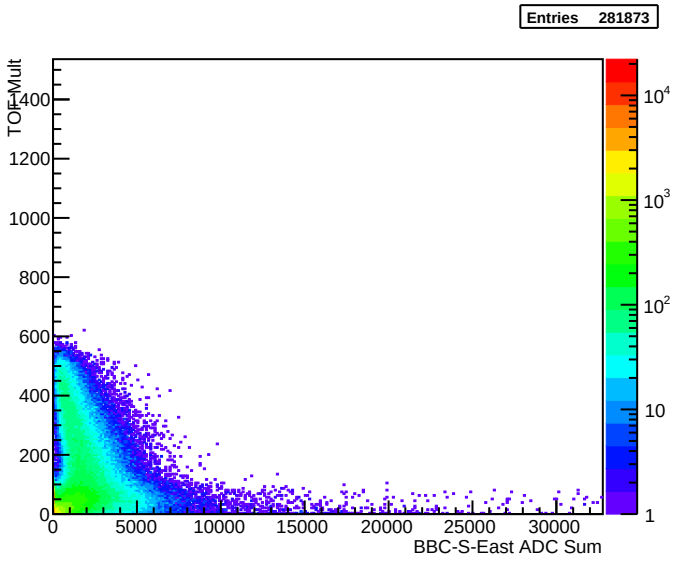

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

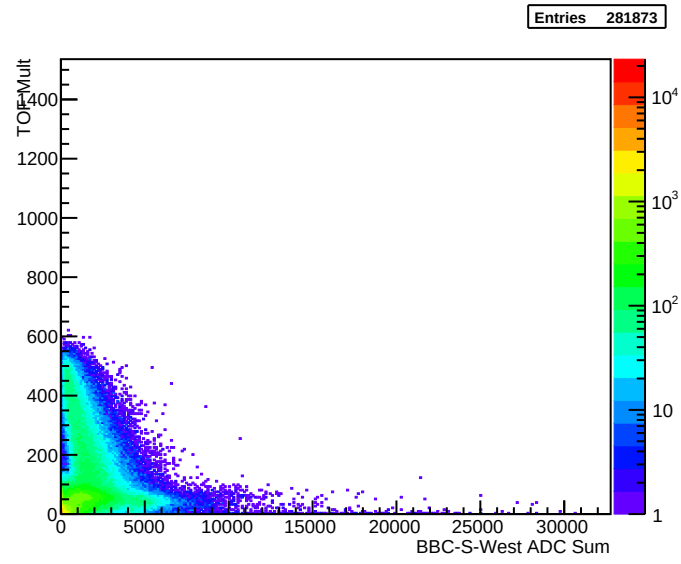

VT201 Input Ch4: VPD Tac Diff
Entries 281873
Tac

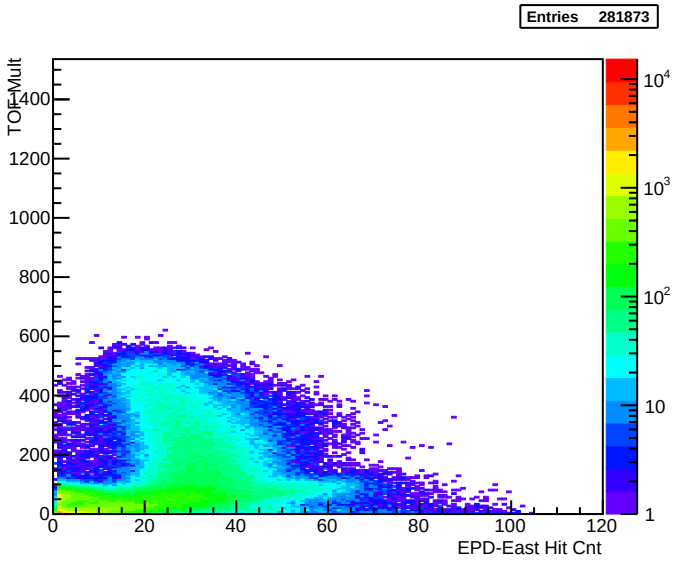

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

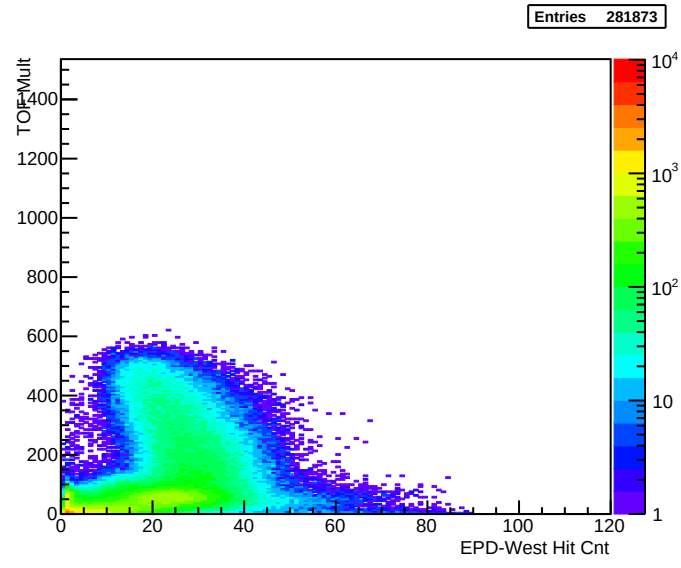

VT201 Input Ch4: VPD Adc Sum Th
Entries 563746
199448
221551
82425
60322
East
West

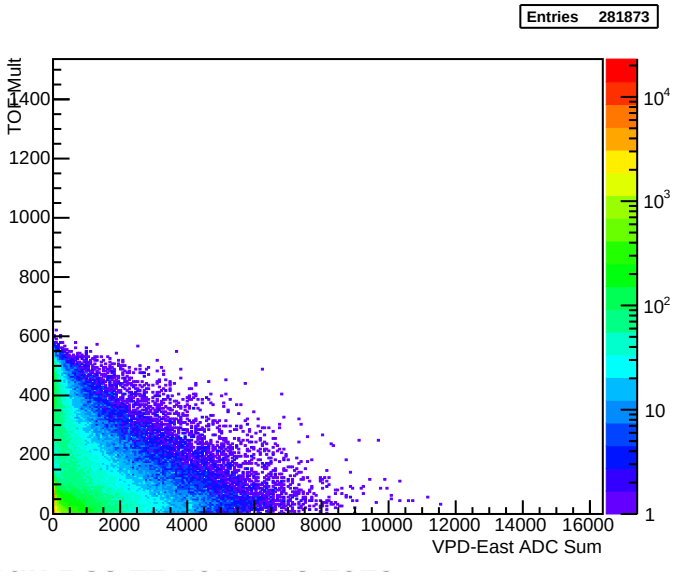

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

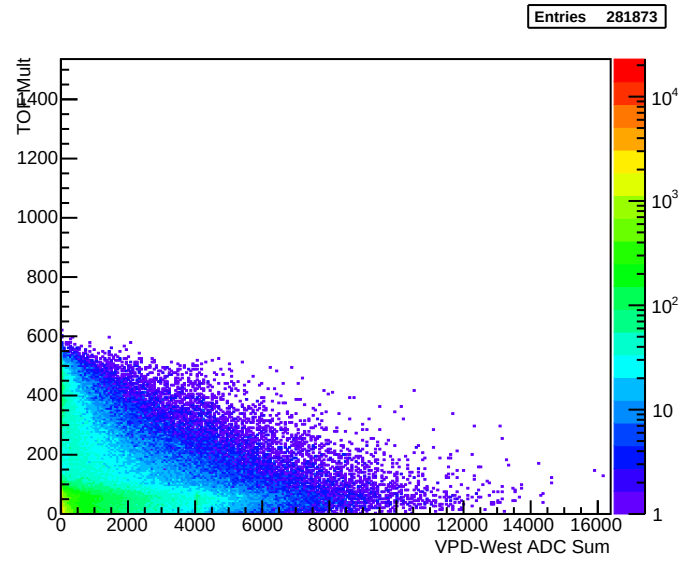

Entries 281873
TOF-Mult
BBC-S-East ADC Sum

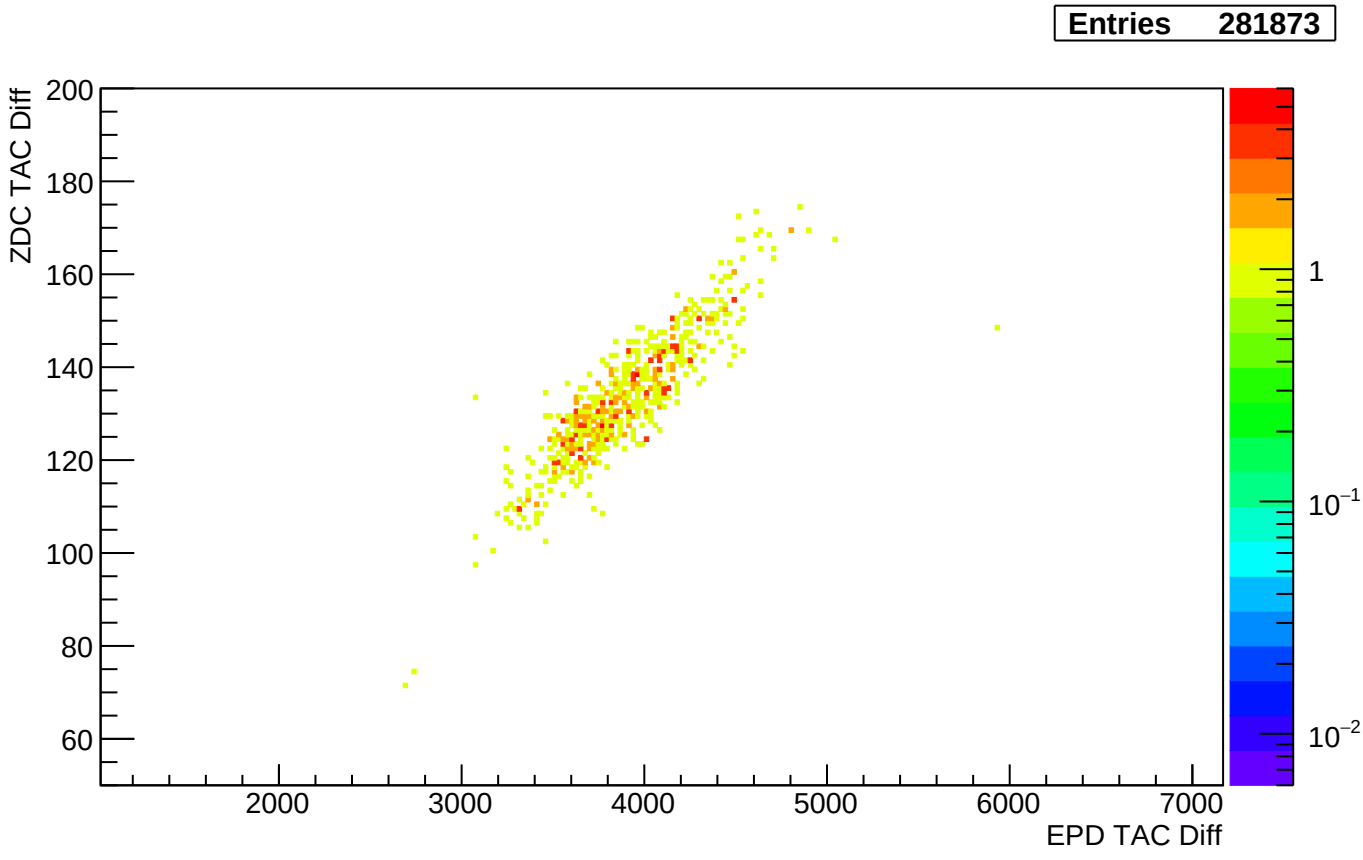

Entries 281873
TOF-Mult
BBC-S-West ADC Sum

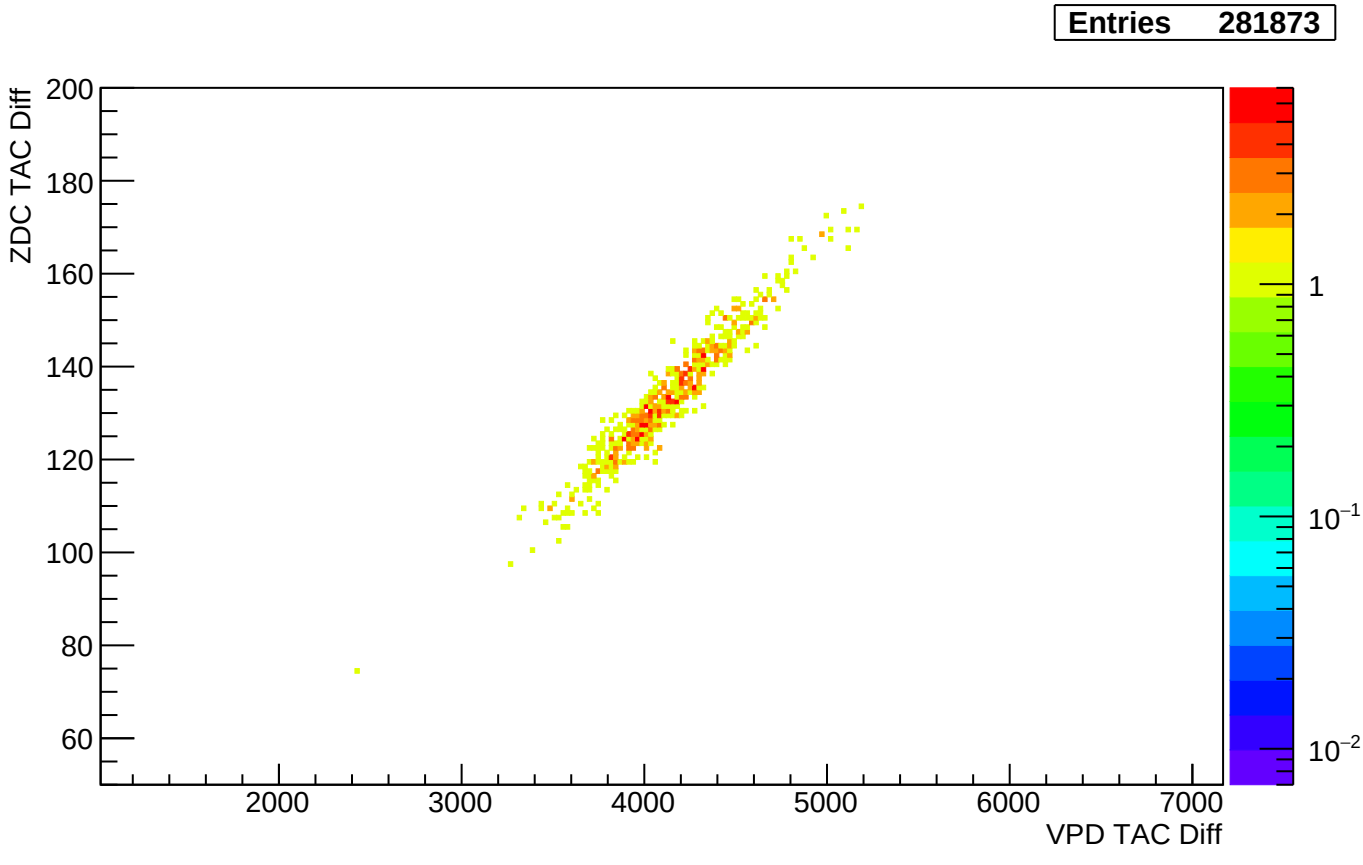

Entries 281873
TOF-Mult
EPD-East Hit Cnt

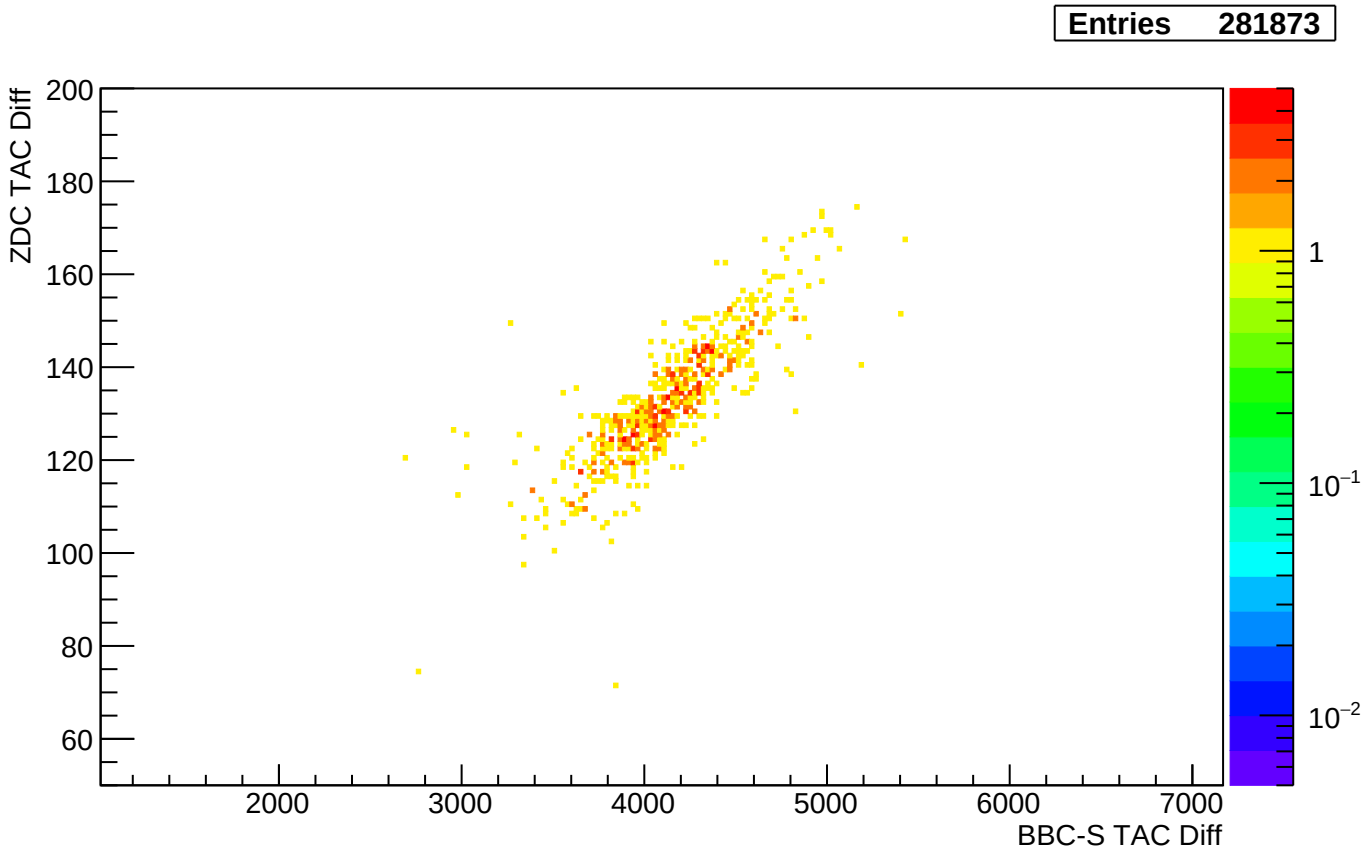

Entries 281873
TOF-Mult
EPD-West Hit Cnt

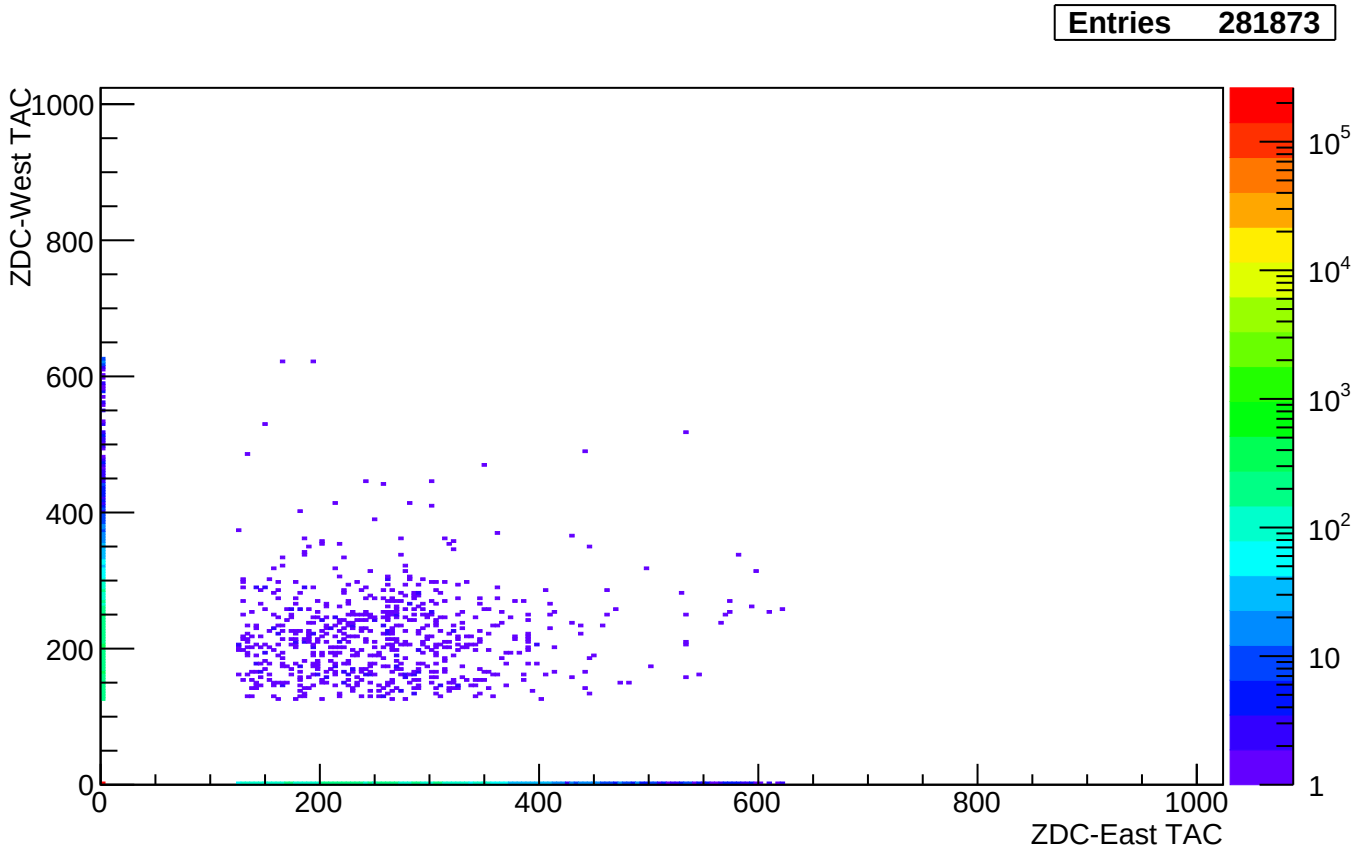

Entries 281873
TOF-Mult
VPD-East ADC Sum

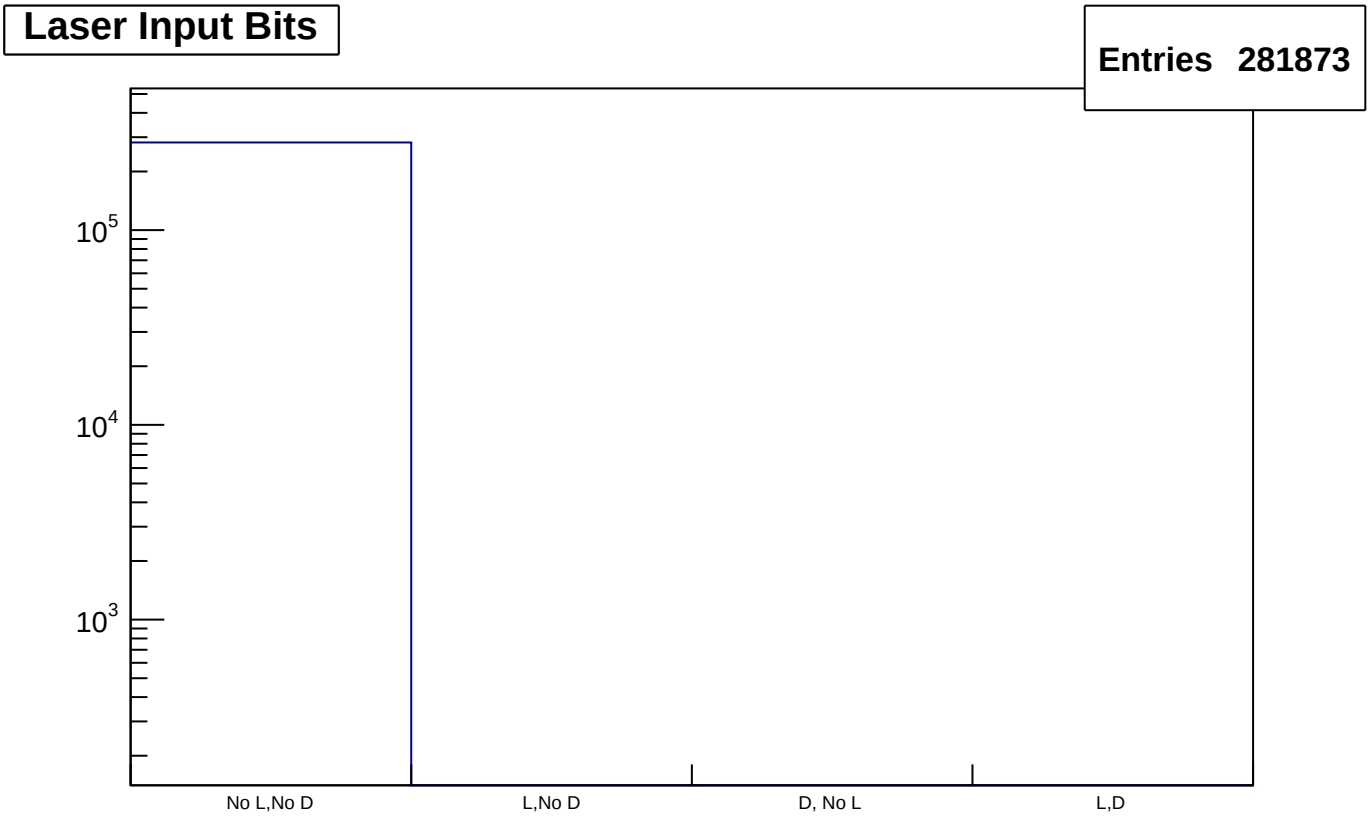

Entries 281873
TOF-Mult
VPD-West ADC Sum

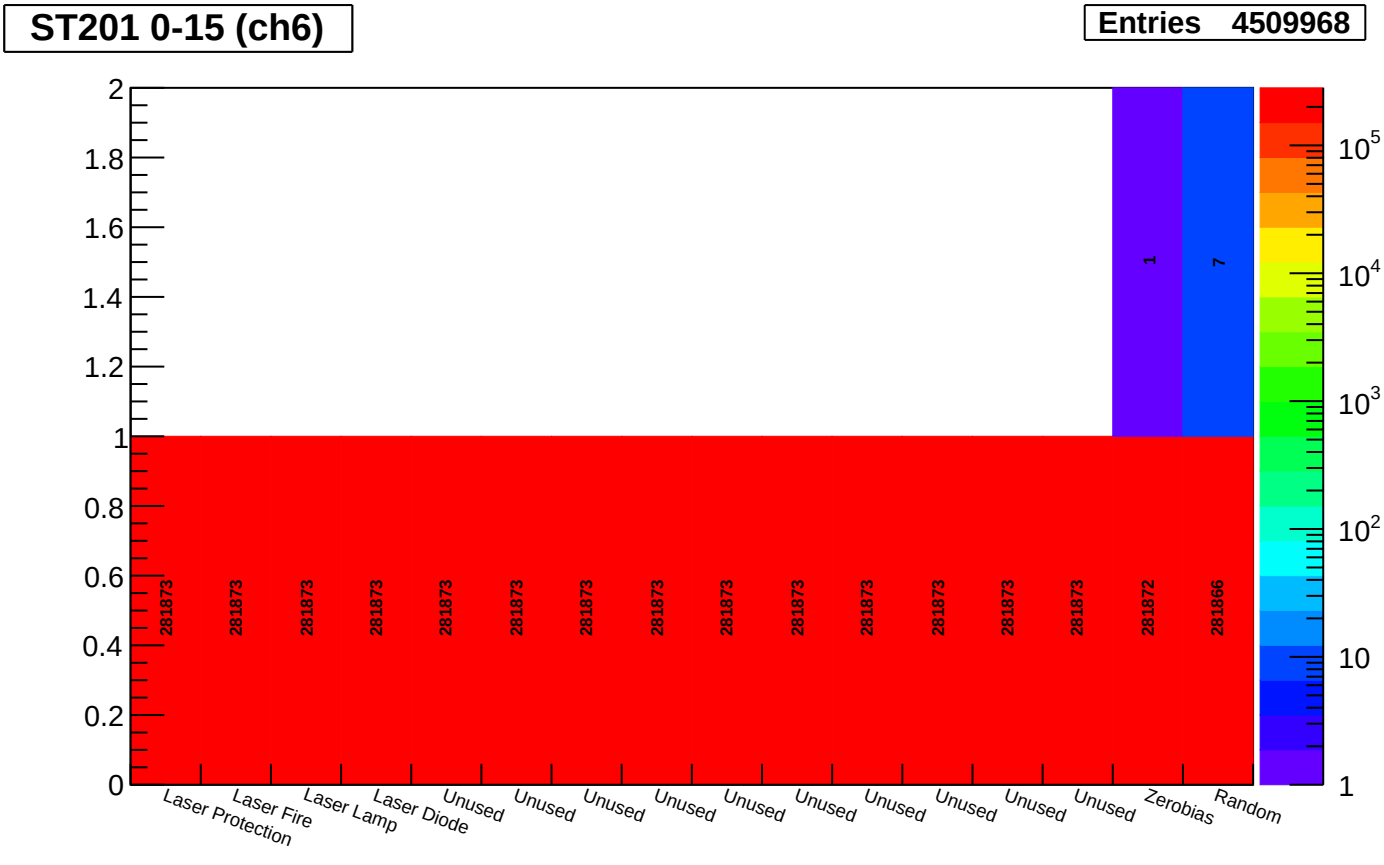

Entries 281873
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

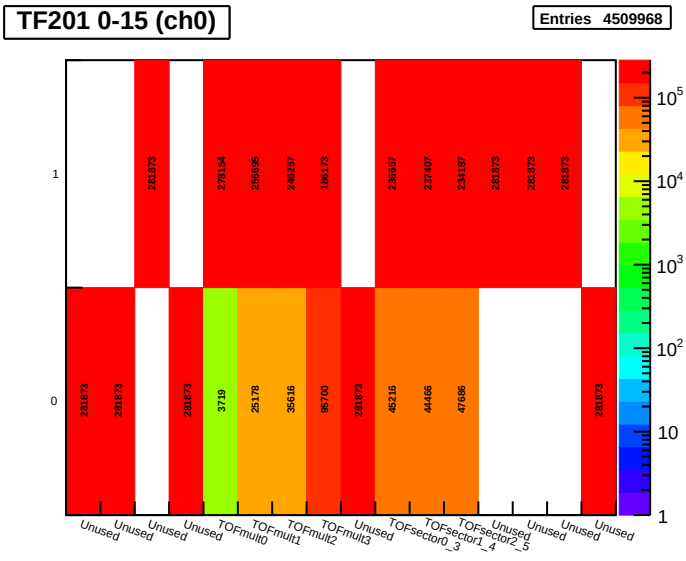

Entries 281873
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

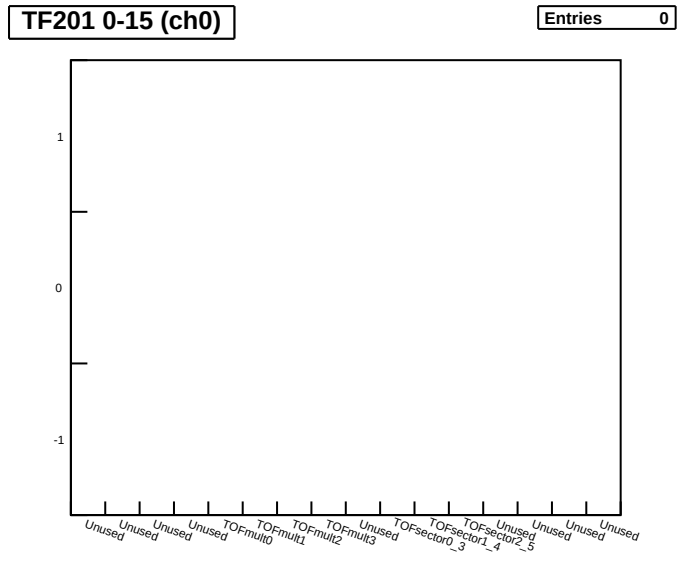

Entries 281873
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

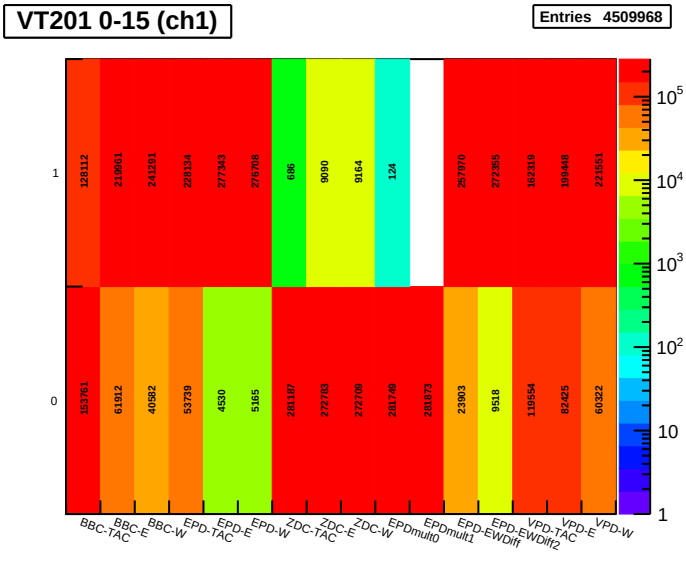

Entries 281873
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

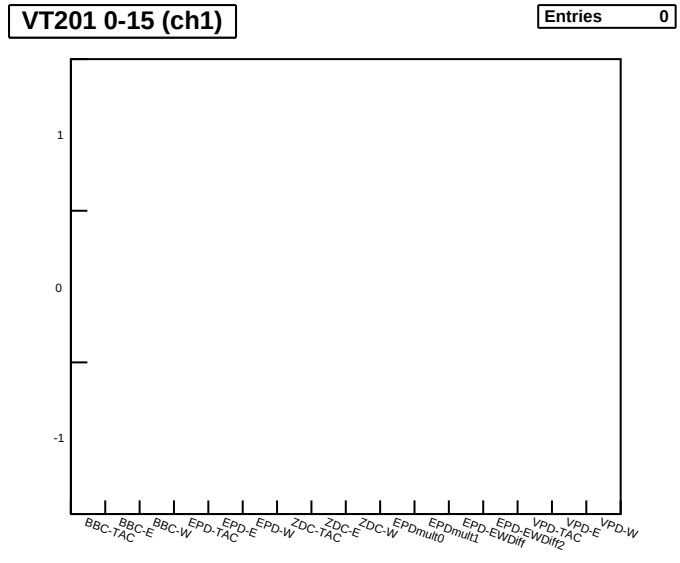

Laser Input Bits
Entries 281873
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

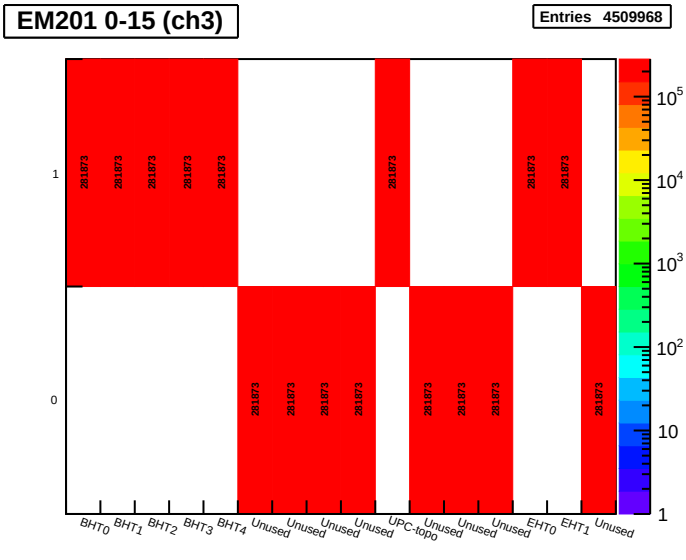

ST201 0-15 (ch6)
Entries 4509968
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
281873
281873
281873
281873
281873
281873
281873
281873
281873
281873
281873
281873
281873
281873
281872
281866
1
7
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

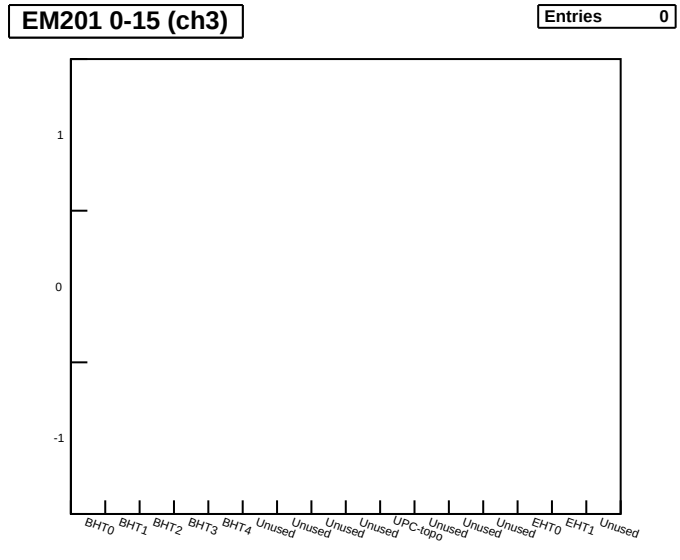

TF201 0-15 (ch0)
Entries 4509968
1
0
281873
281873
281873
281873
270154
256695
246257
186173
236657
237407
234187
281873
281873
281873
281873
3719
25178
35616
95700
281873
45216
44466
47686
281873
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
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 4509968
1
0
128112
219961
241291
228134
277343
276708
686
9090
9164
124
257970
272355
162319
199448
221551
153761
61912
40582
53739
4530
5165
281187
272783
272709
281749
281873
23903
9518
119554
82425
60322
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 4509968
1
0
281873
281873
281873
281873
281873
281873
281873
281873
281873
281873
281873
281873
281873
281873
281873
281873
281873
281873
281873
281873
281873
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