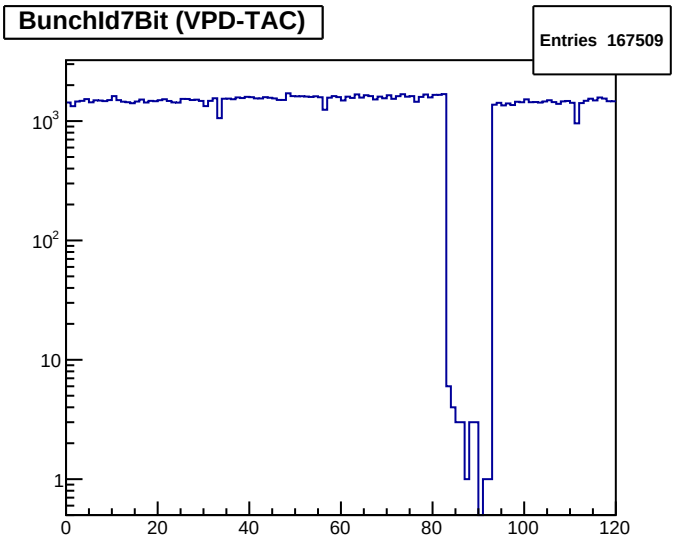
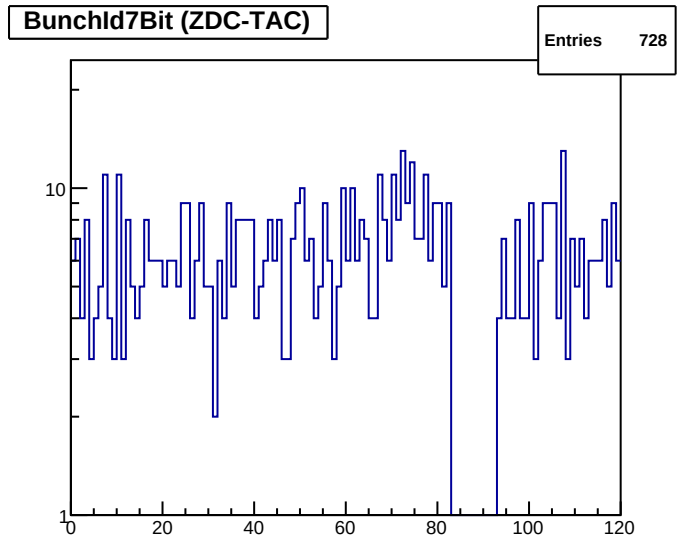
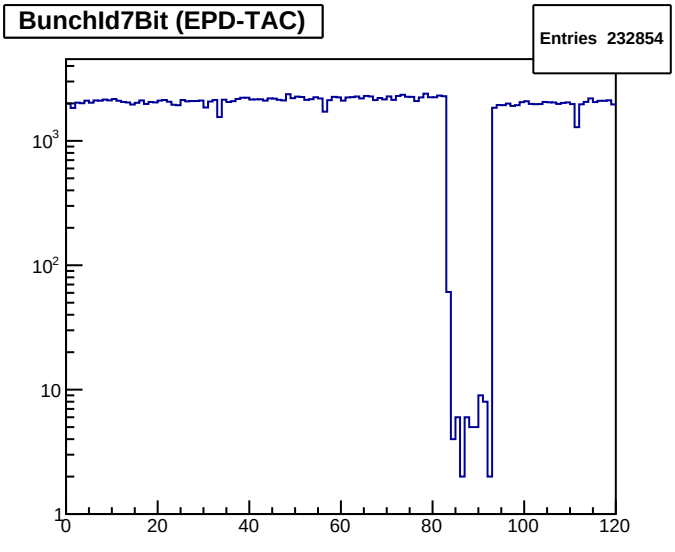
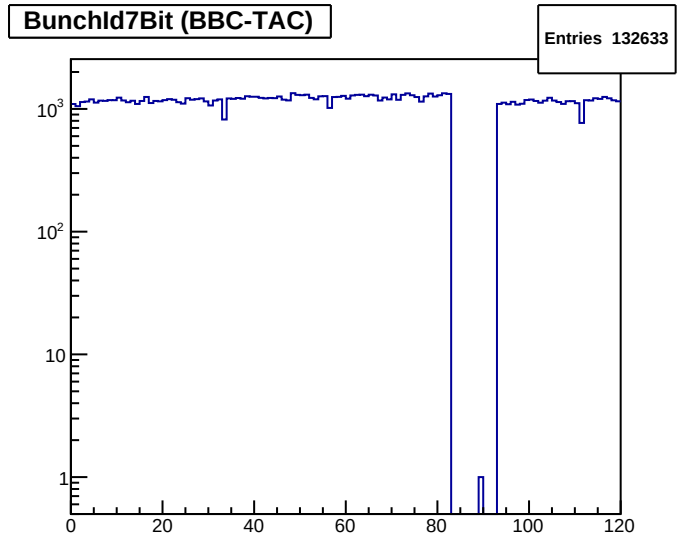
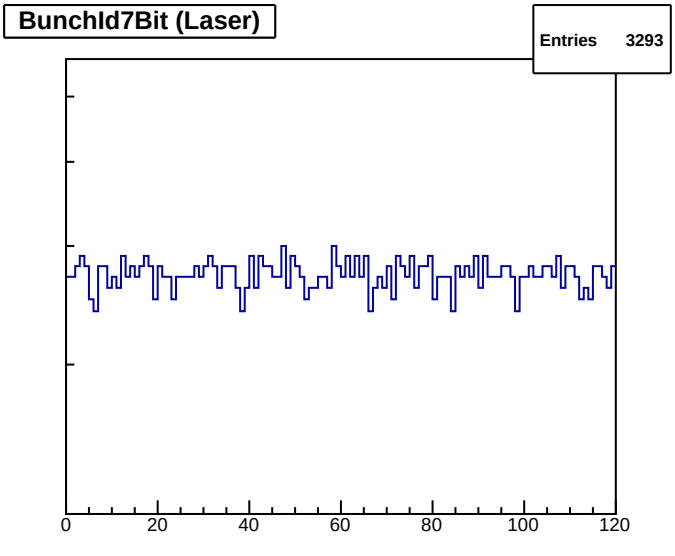
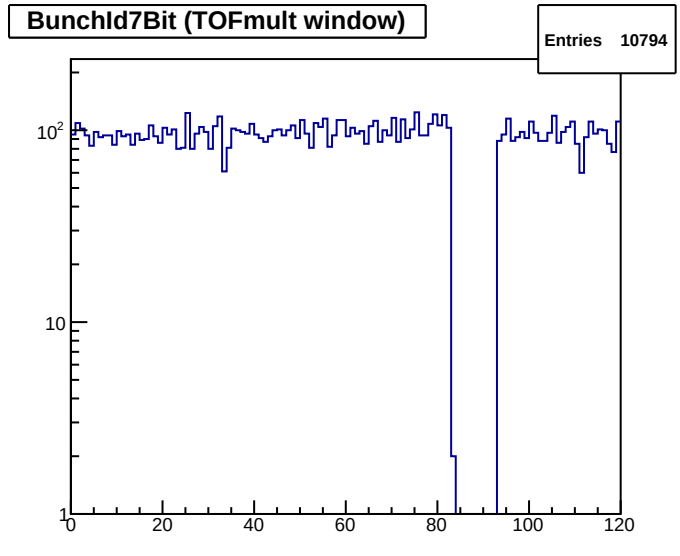

BunchId7Bit (VPD-TAC)
Entries 167509

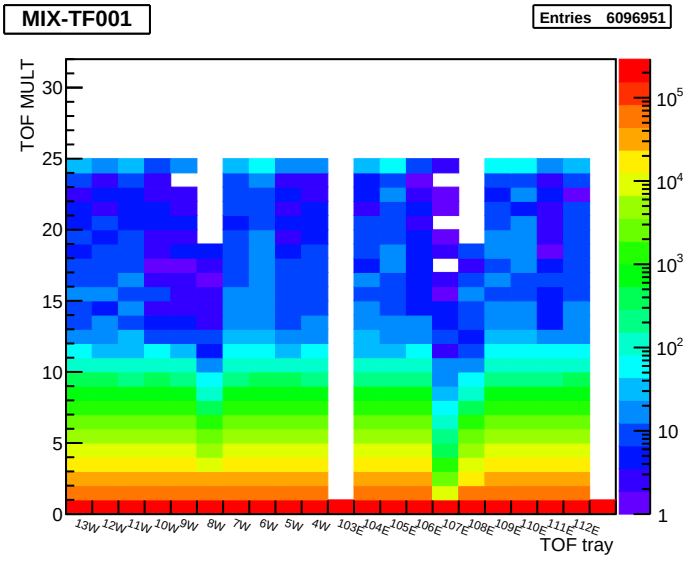

BunchId7Bit (ZDC-TAC)
Entries 728

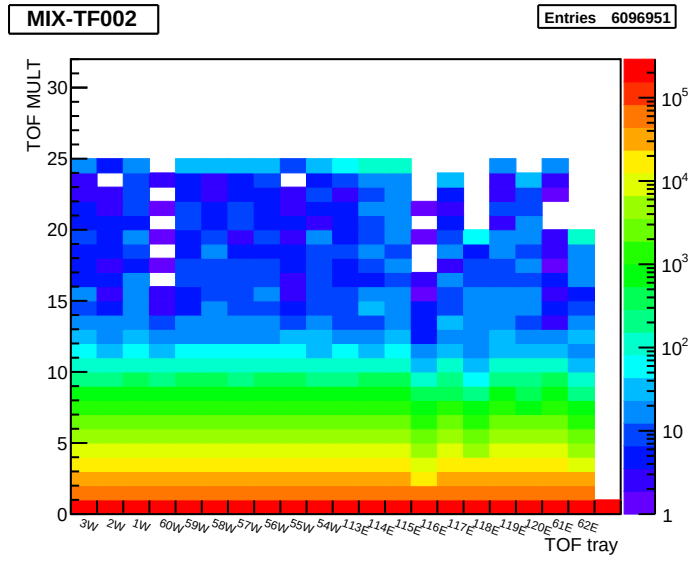

BunchId7Bit (EPD-TAC)
Entries 232854

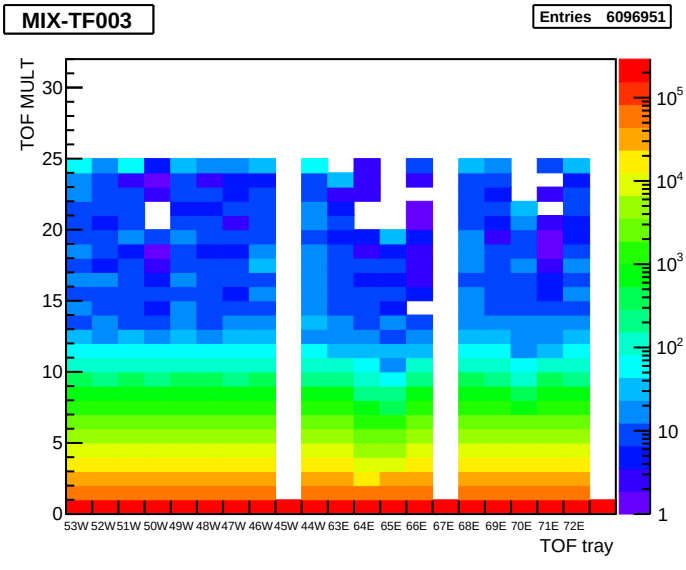

BunchId7Bit (BBC-TAC)
Entries 132633

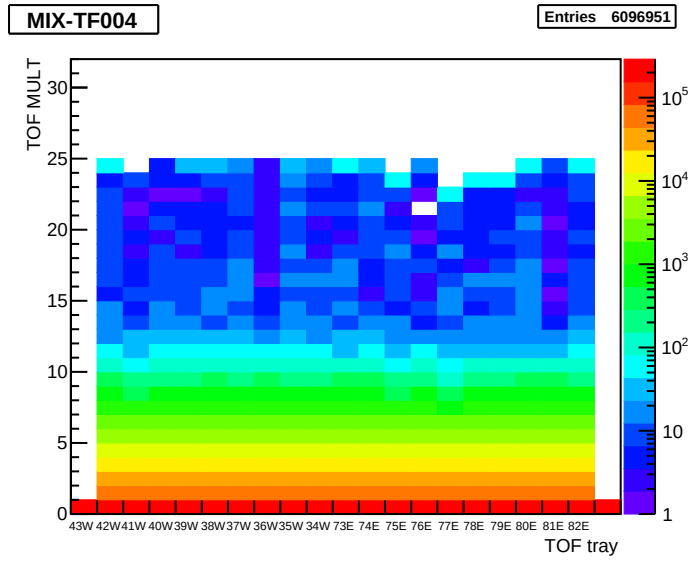

BunchId7Bit (Laser)
Entries 3293

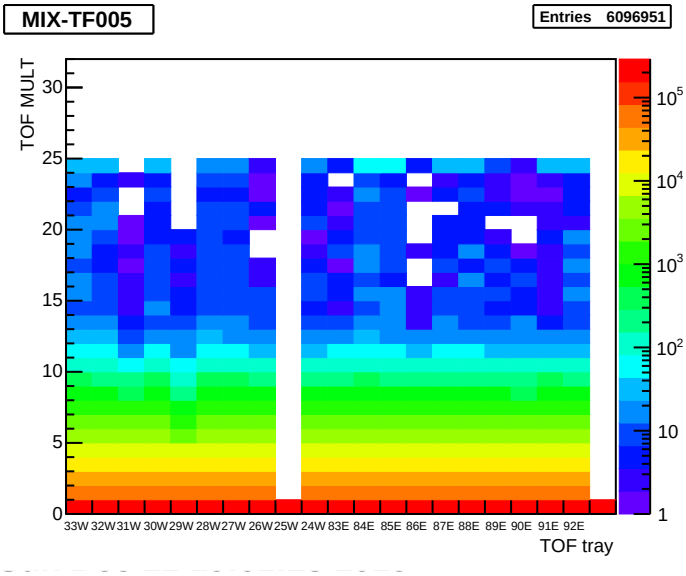

BunchId7Bit (TOFmult window)
Entries 10794

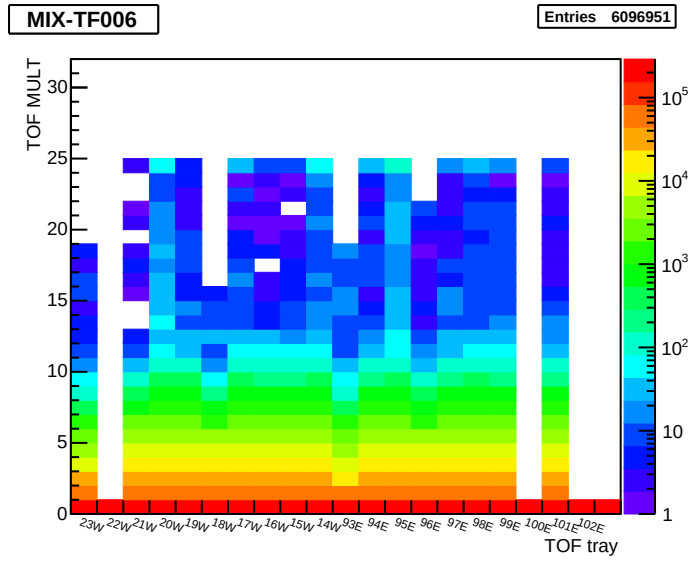

MIX-TF001
Entries 6096951
TOF MULT
TOF tray

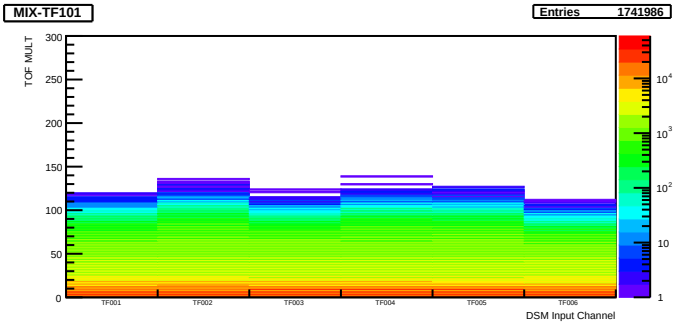

MIX-TF002
Entries 6096951
TOF MULT
TOF tray

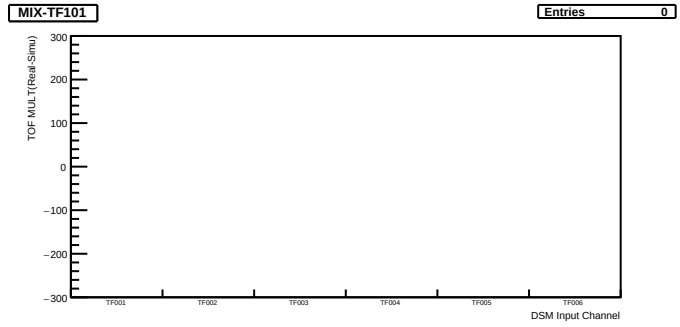

MIX-TF003
Entries 6096951
TOF MULT
TOF tray

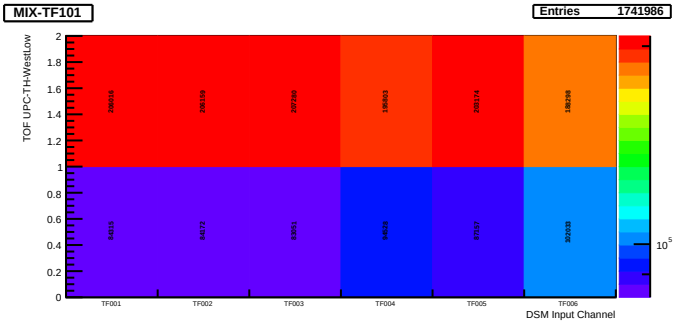

MIX-TF004
Entries 6096951
TOF MULT
TOF tray

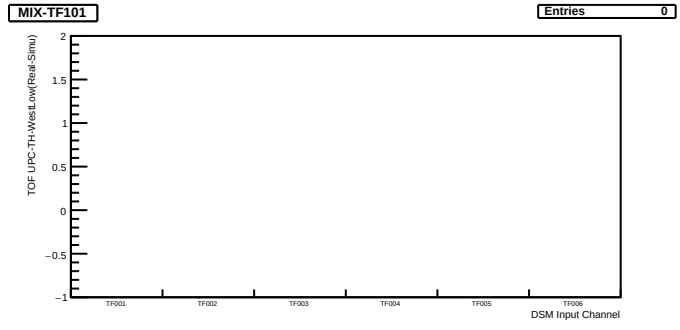

MIX-TF005
Entries 6096951
TOF MULT
TOF tray

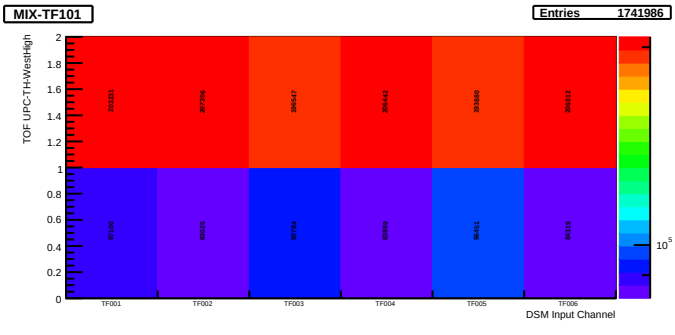

MIX-TF006
Entries 6096951
TOF MULT
TOF tray

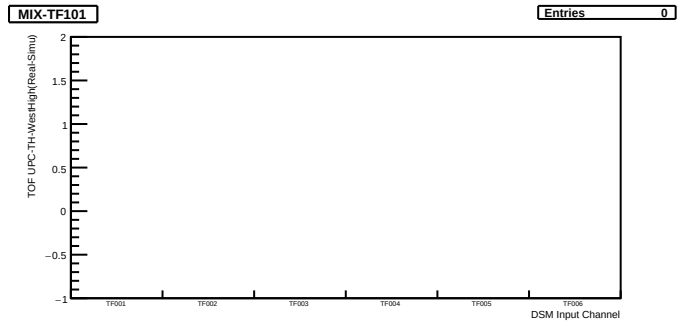

MIX-TF101
Entries 1741986
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

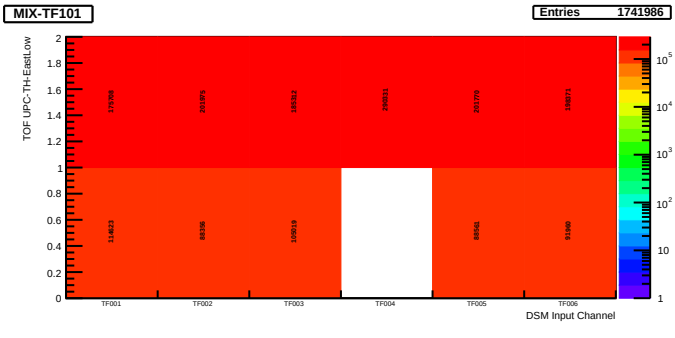

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

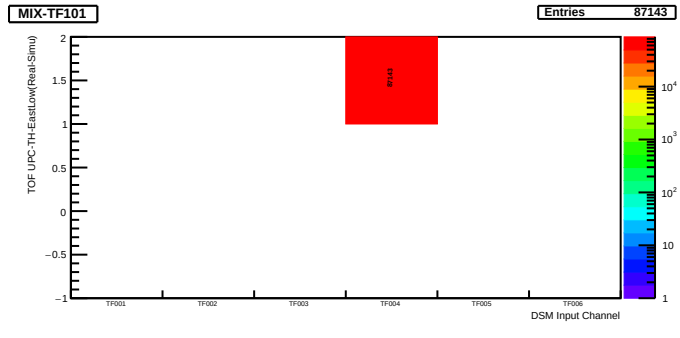

MIX-TF101
Entries 1741986
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

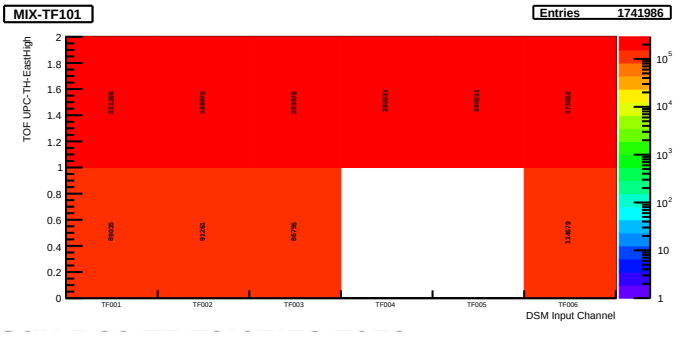

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

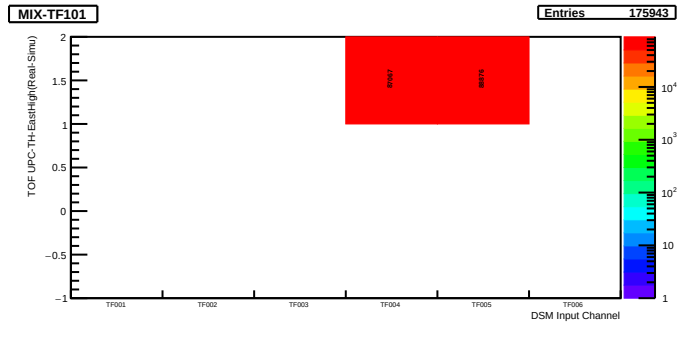

MIX-TF101
Entries 1741986
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

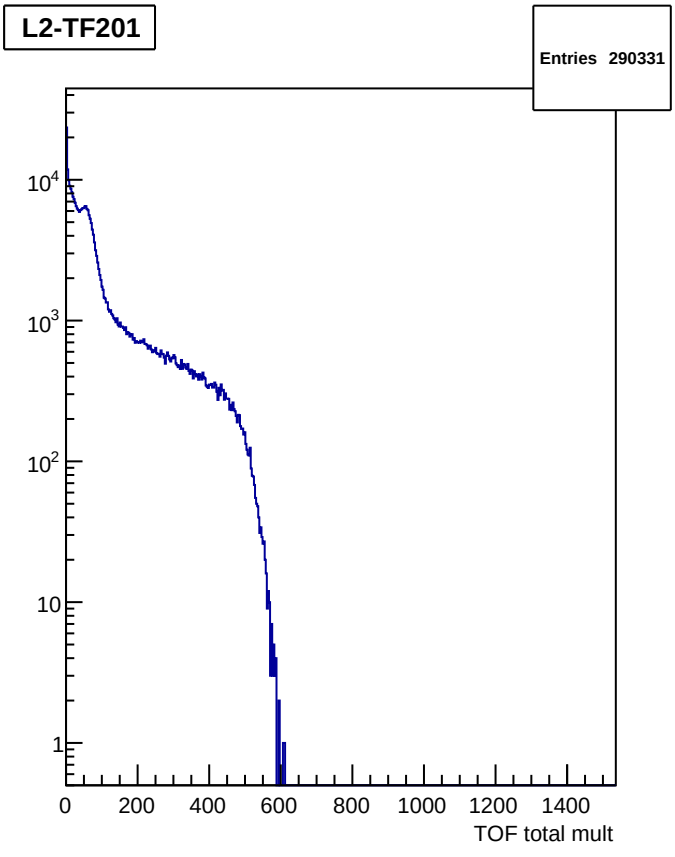

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

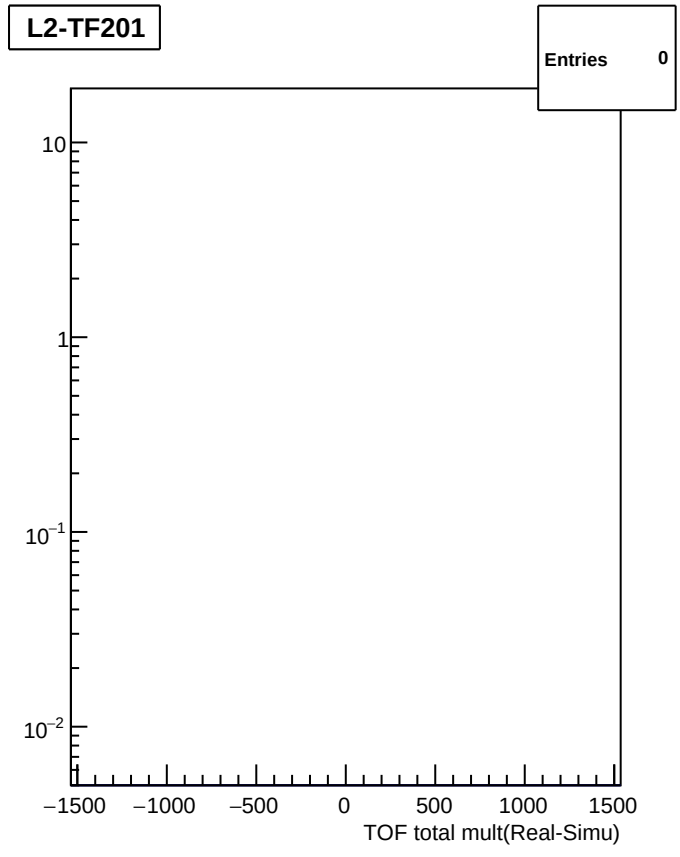

MIX-TF101
Entries 1741986
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

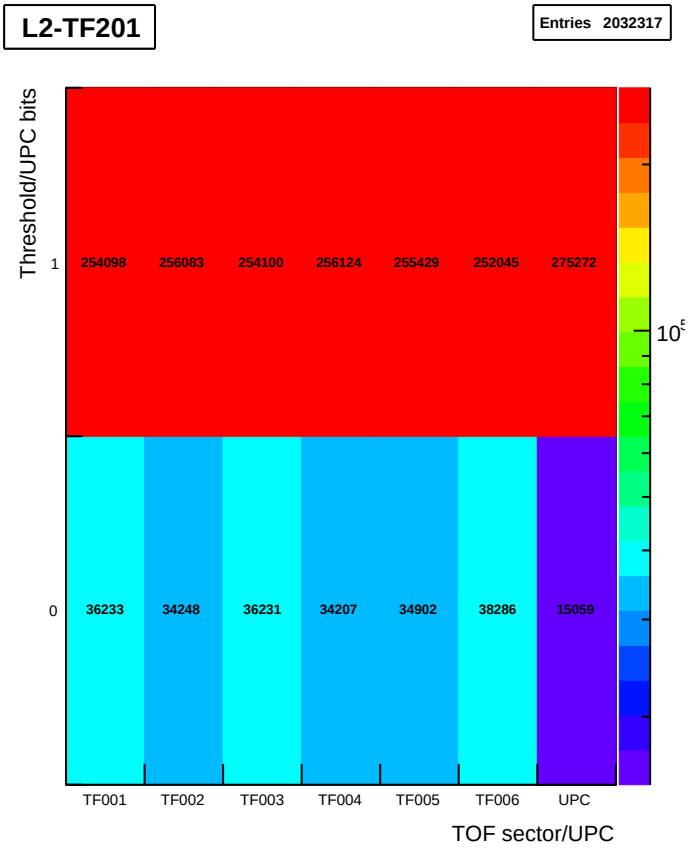

MIX-TF101
Entries 87143
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

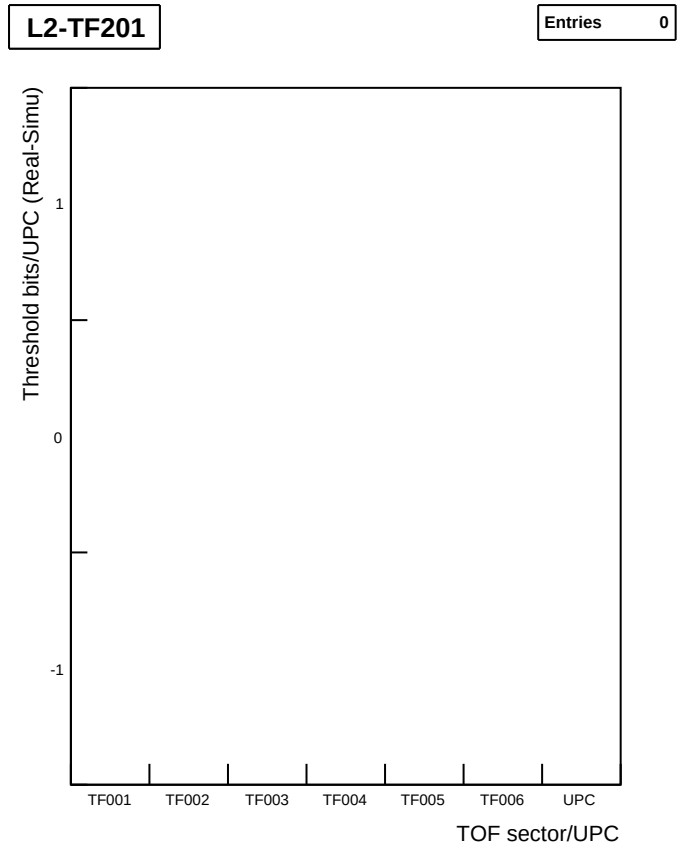

MIX-TF101
Entries 1741986
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

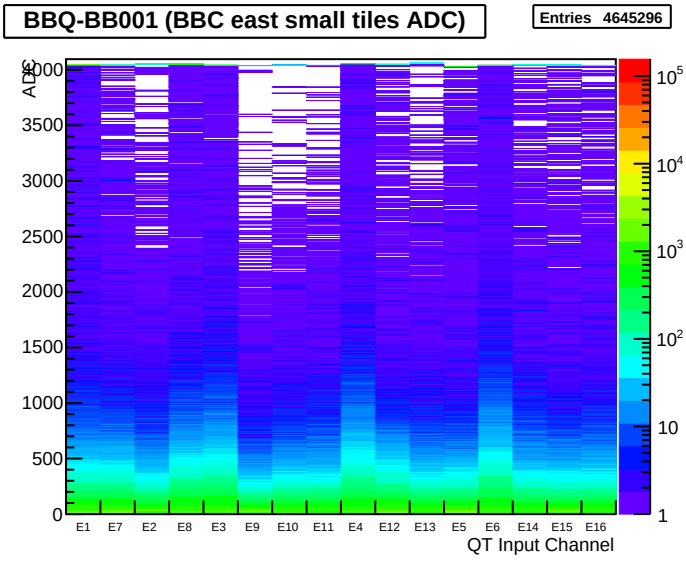

MIX-TF101
Entries 175943
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

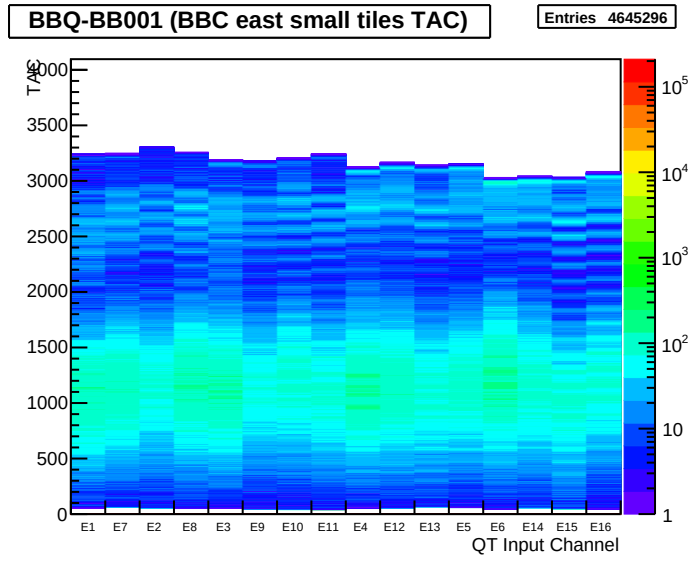

L2-TF201
Entries 290331
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

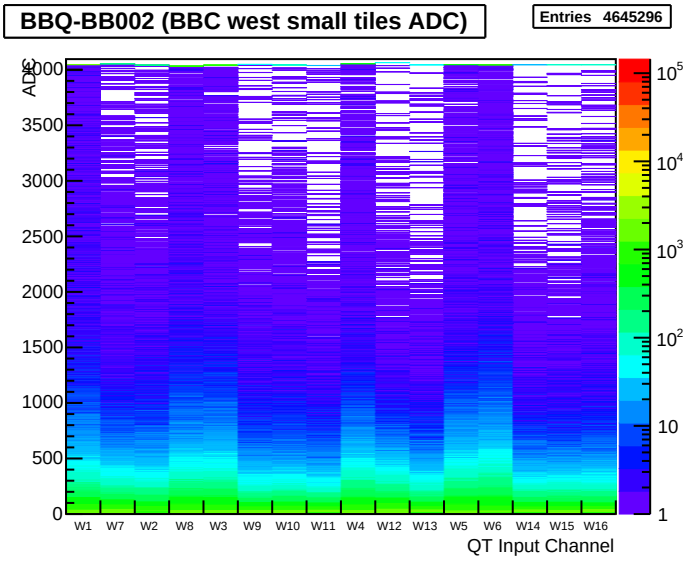

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

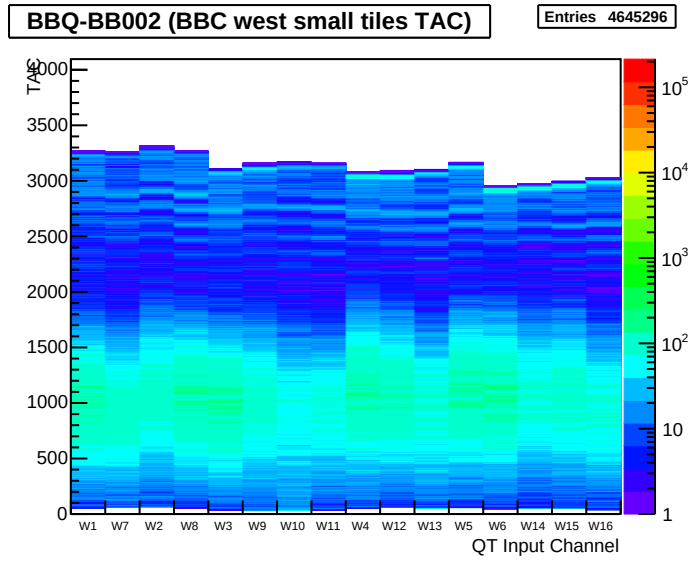

L2-TF201
Entries 2032317
Threshold/UPC bits
1
0
254098
256083
254100
256124
255429
252045
275272
36233
34248
36231
34207
34902
38286
15059
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

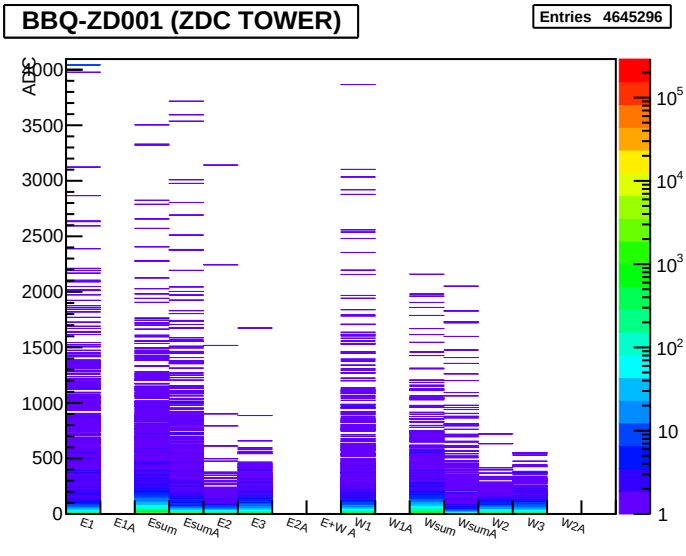

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

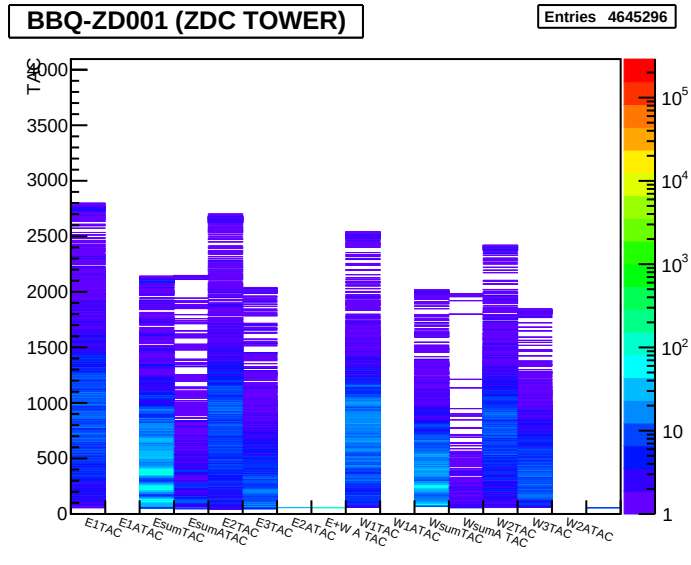

BBQ-BB001 (BBC east small tiles ADC)
Entries 4645296
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

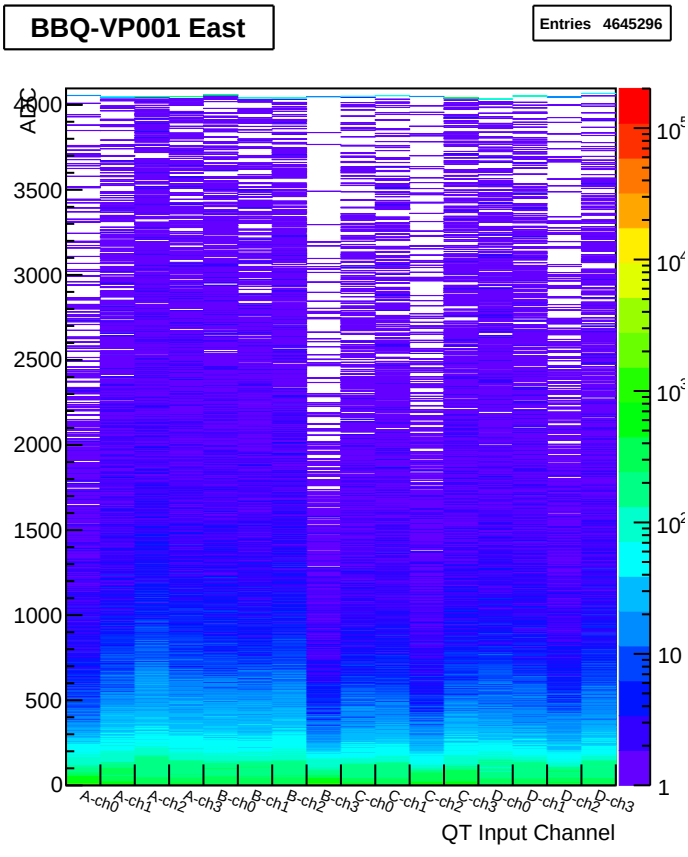

BBQ-BB001 (BBC east small tiles TAC)
Entries 4645296
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

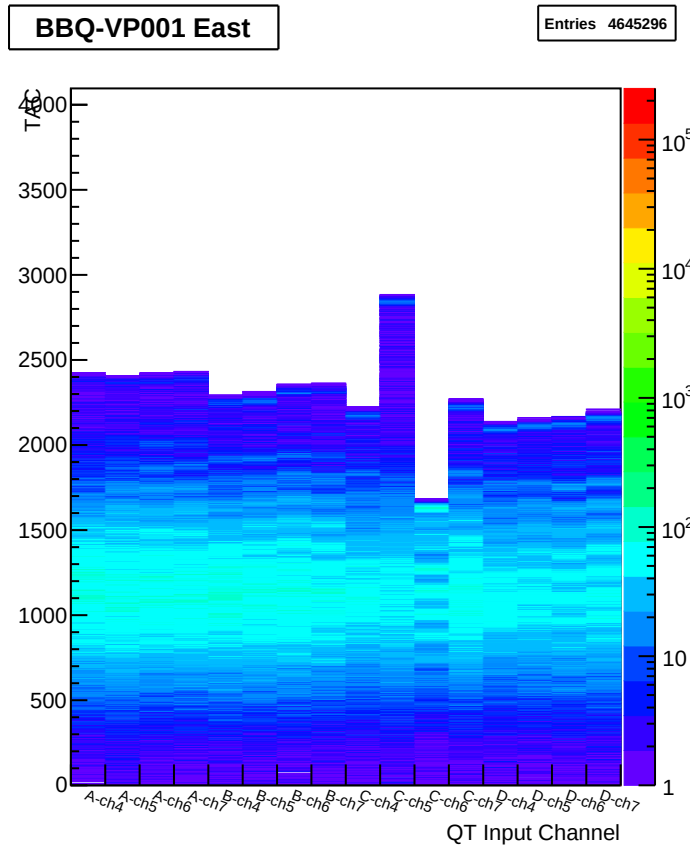

BBQ-BB002 (BBC west small tiles ADC)
Entries 4645296
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

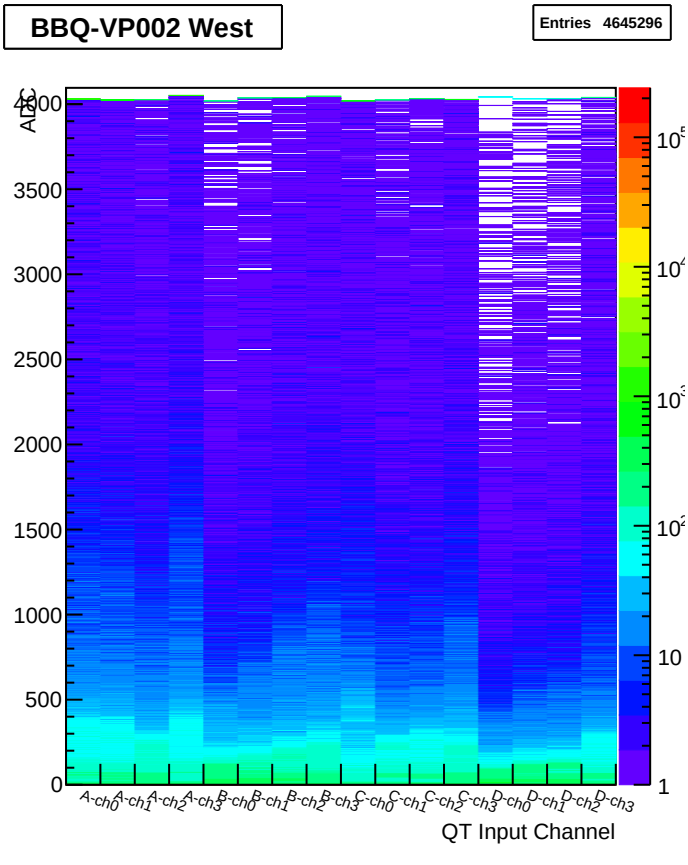

BBQ-BB002 (BBC west small tiles TAC)
Entries 4645296
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

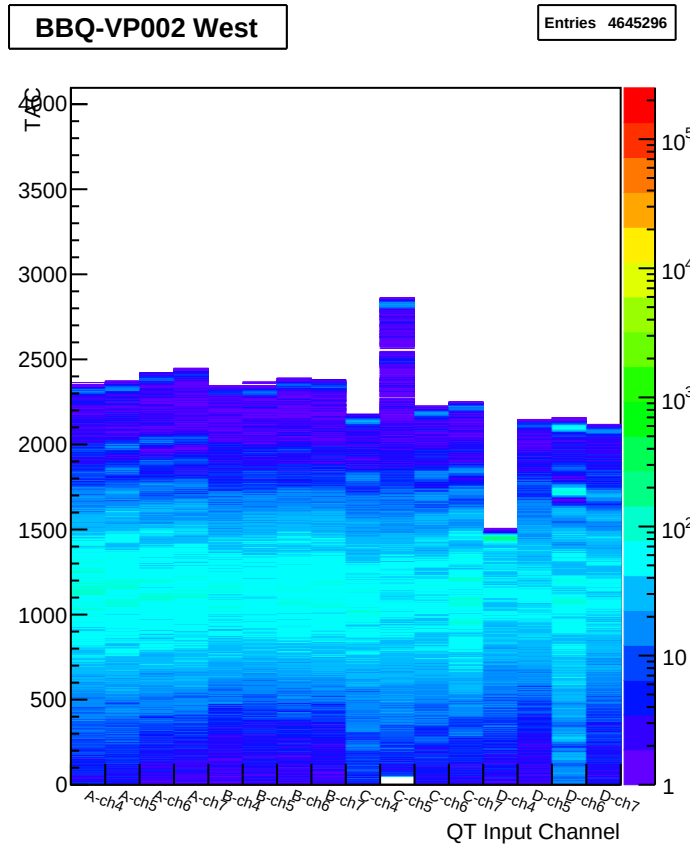

BBQ-ZD001 (ZDC TOWER)
Entries 4645296
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

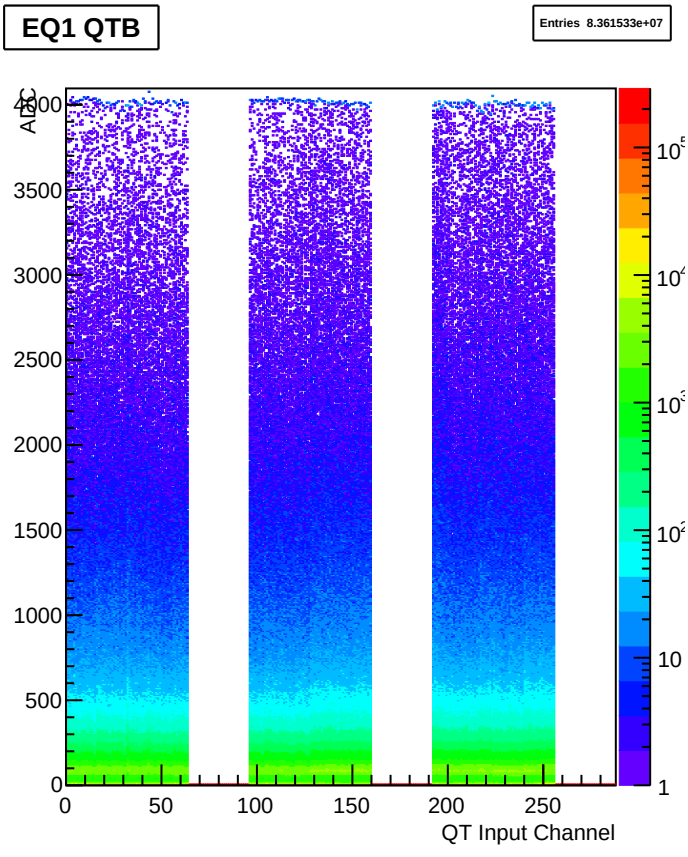

BBQ-ZD001 (ZDC TOWER)
Entries 4645296
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

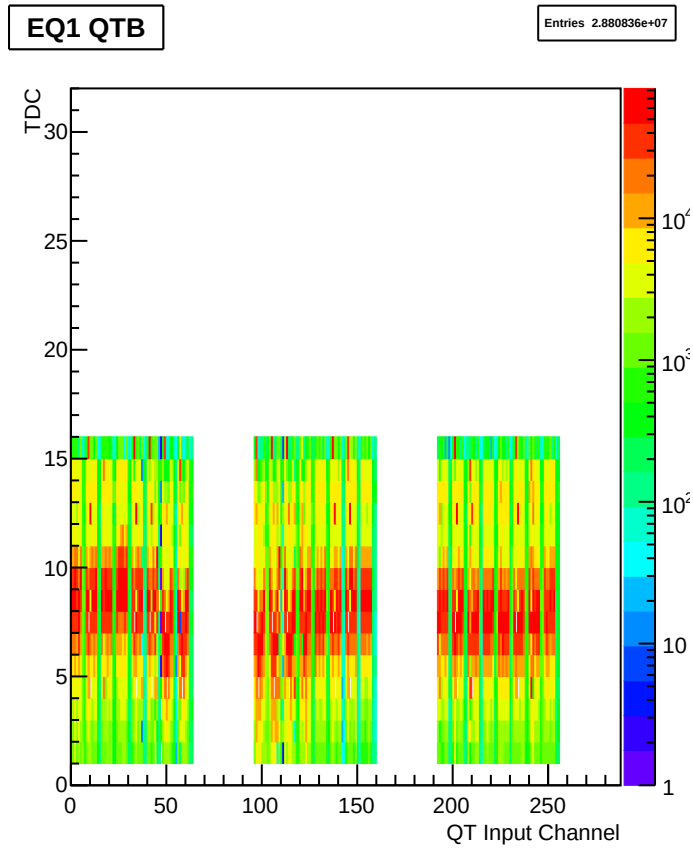

BBQ-VP001 East
Entries 4645296
ADC
QT Input Channel

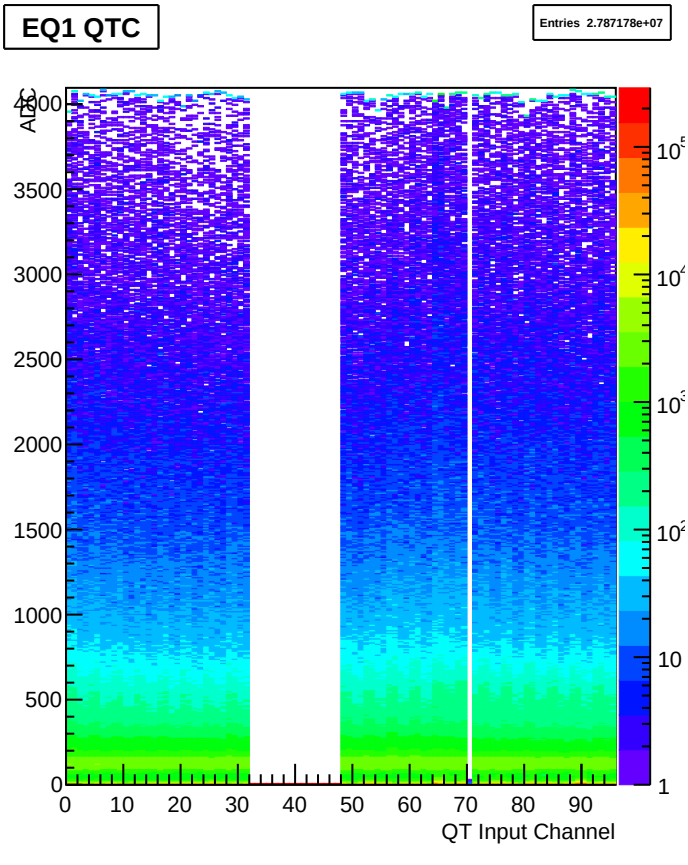

BBQ-VP001 East
Entries 4645296
TADC
QT Input Channel

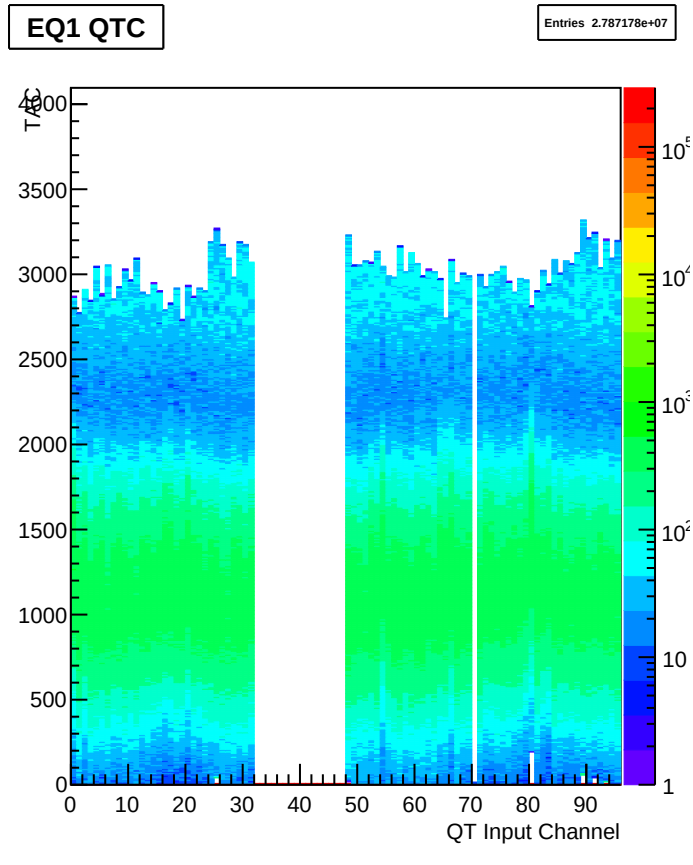

BBQ-VP002 West
Entries 4645296
ADC
QT Input Channel

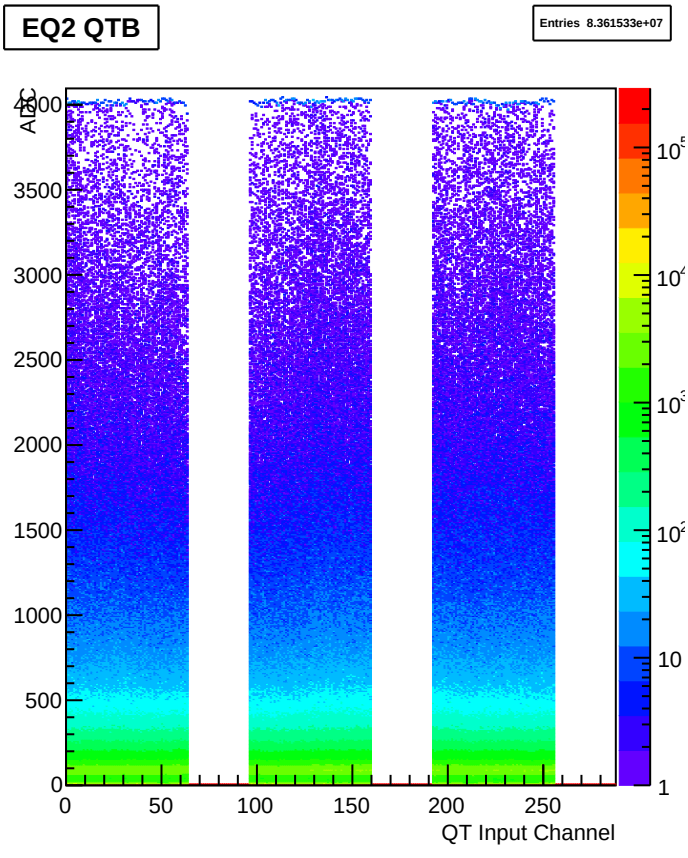

BBQ-VP002 West
Entries 4645296
TADC
QT Input Channel

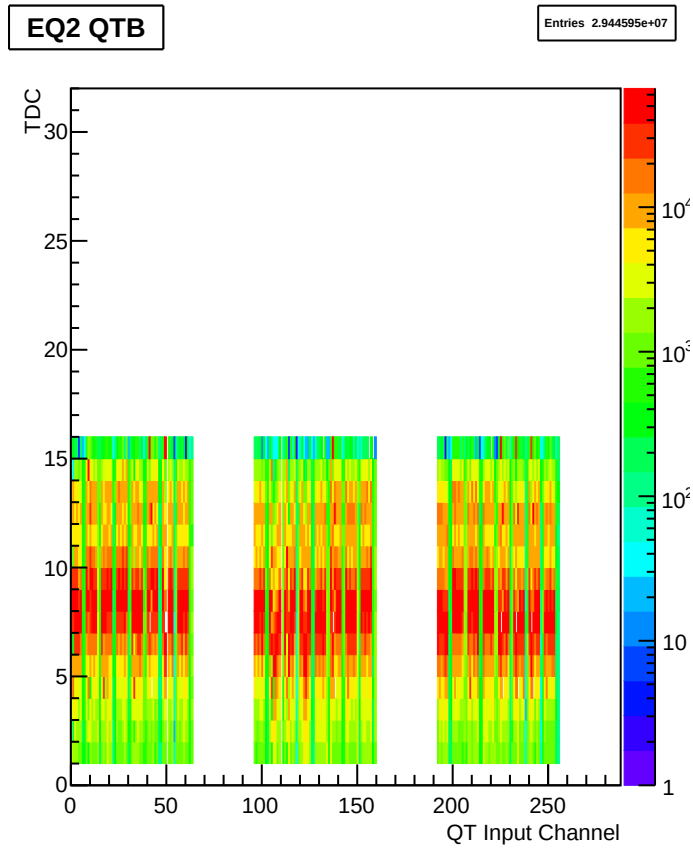

EQ1 QTB
Entries 8.361533e+07
ADC
QT Input Channel

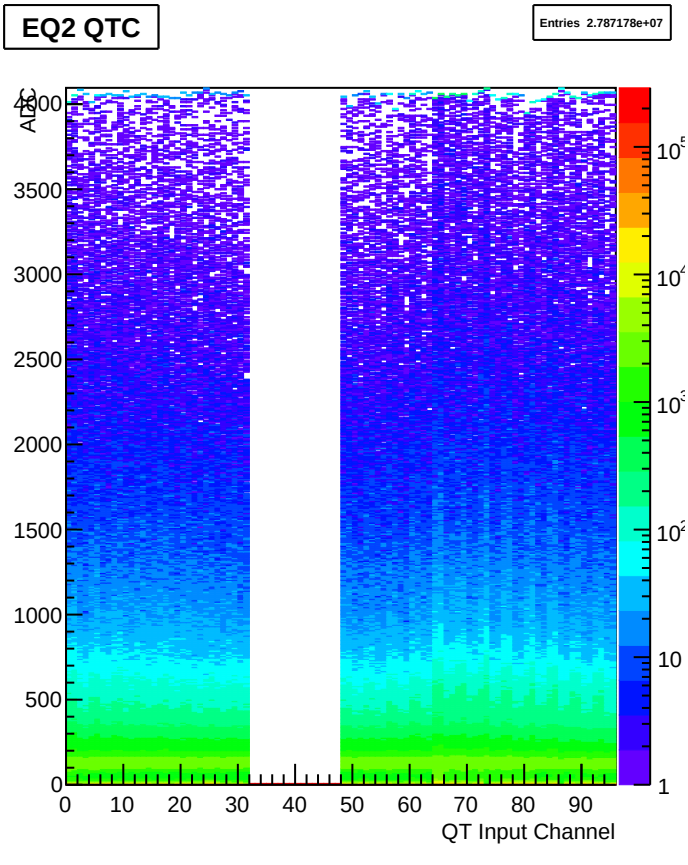

EQ1 QTB
Entries 2.880836e+07
TDC
QT Input Channel

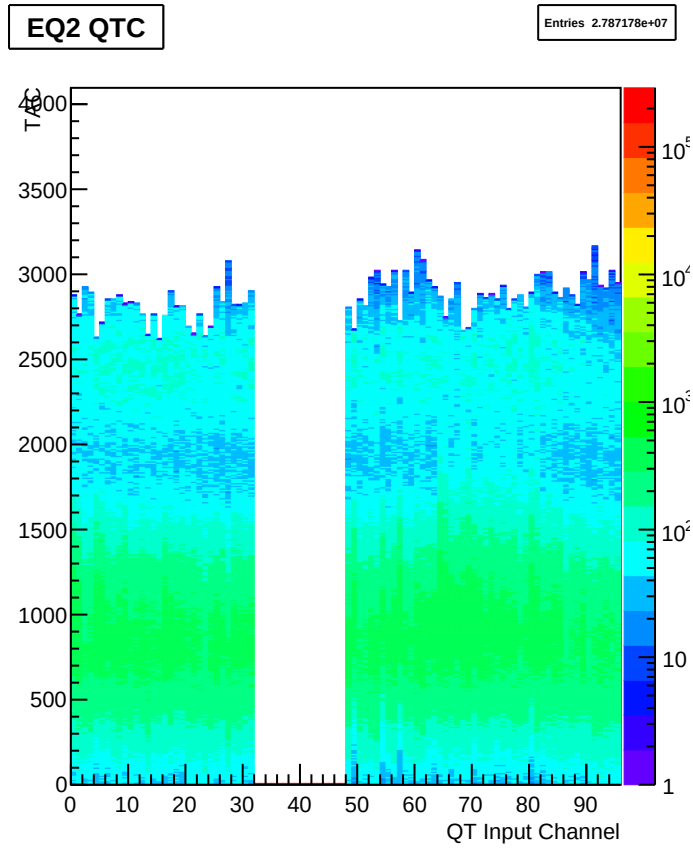

EQ1 QTC
Entries 2.787178e+07
ADC
QT Input Channel

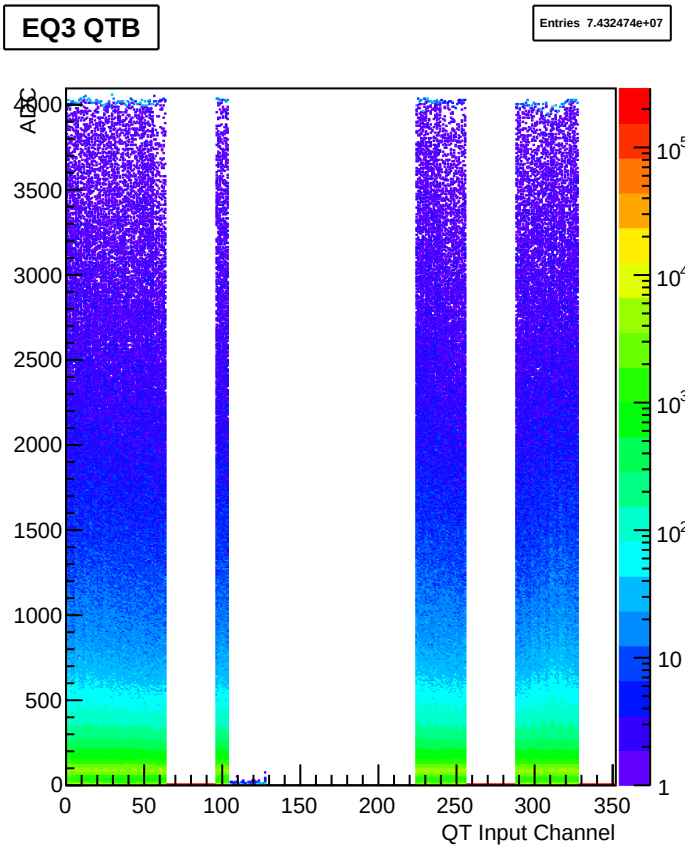

EQ1 QTC
Entries 2.787178e+07
TADC
QT Input Channel

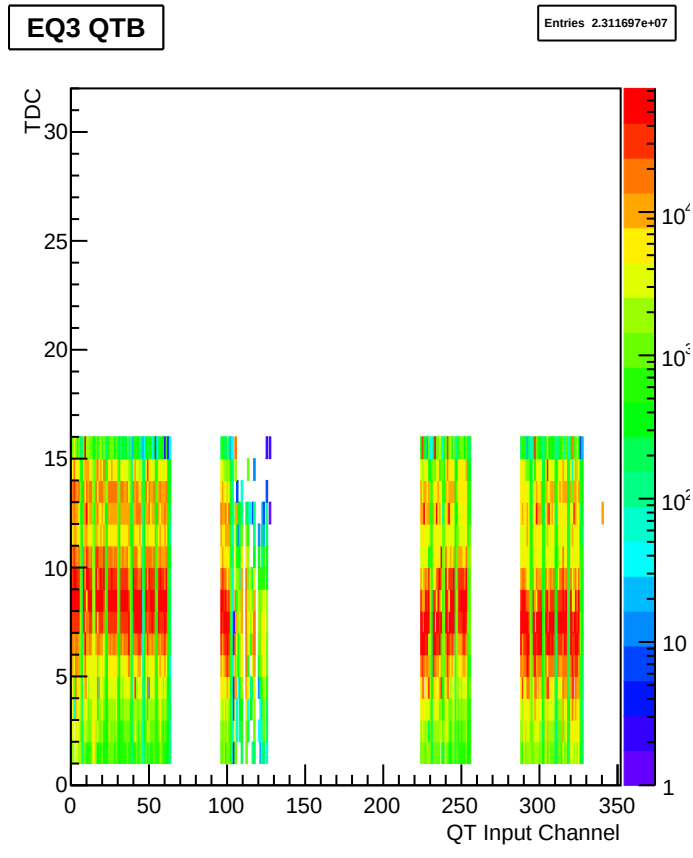

EQ2 QTB
Entries 8.361533e+07
ADC
QT Input Channel

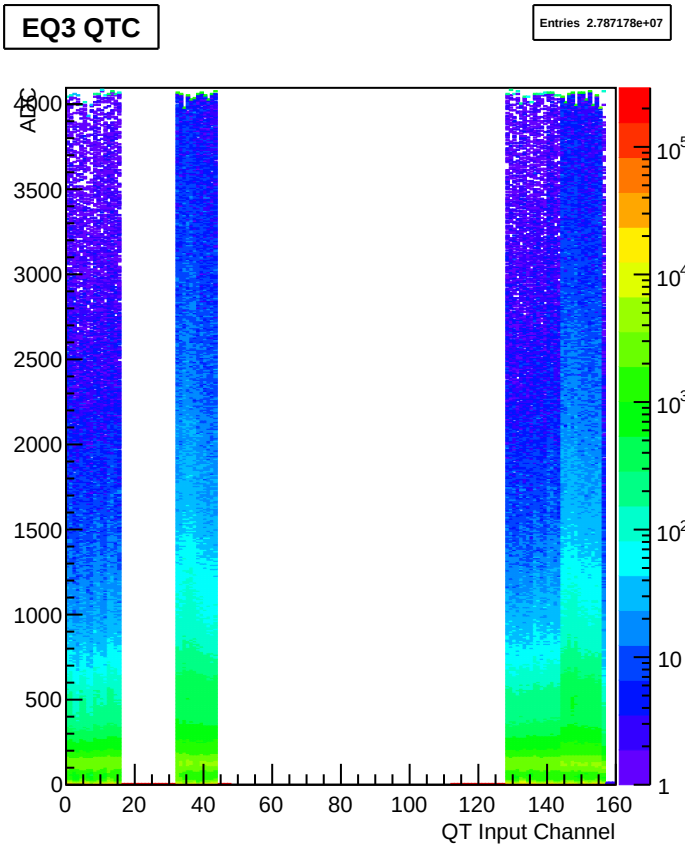

EQ2 QTB
Entries 2.944595e+07
TDC
QT Input Channel

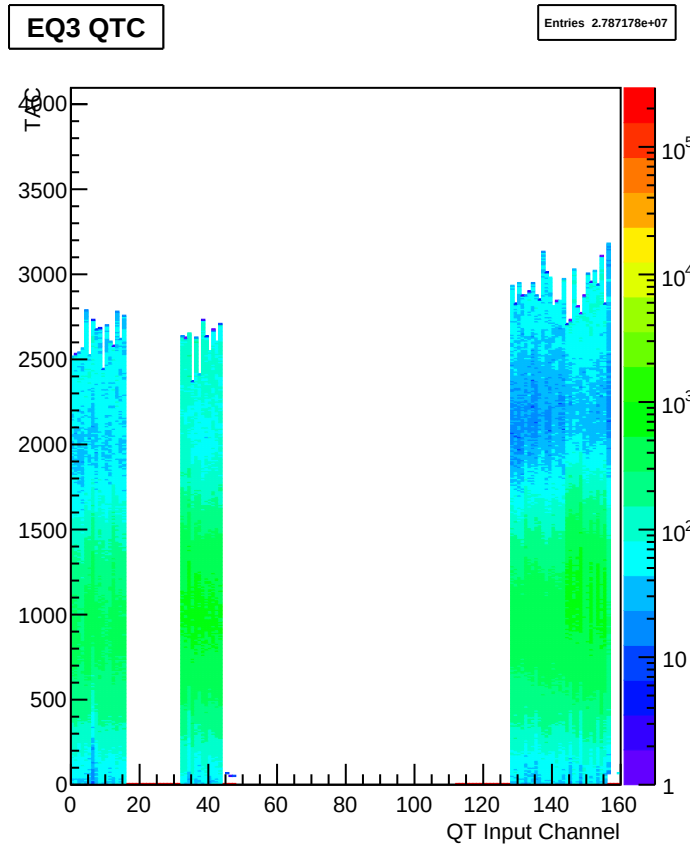

EQ2 QTC
Entries 2.787178e+07
ADC
QT Input Channel

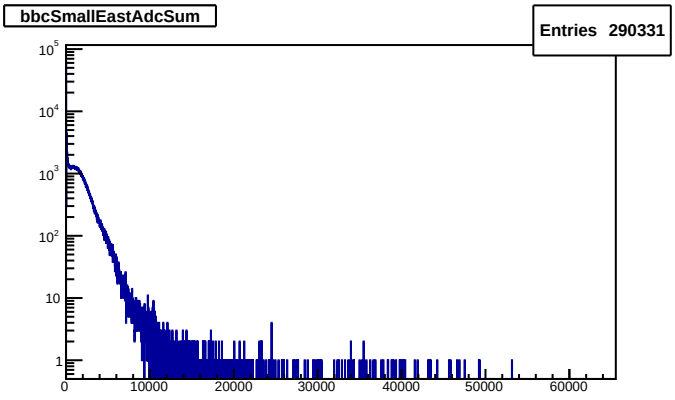

EQ2 QTC
Entries 2.787178e+07
TADC
QT Input Channel

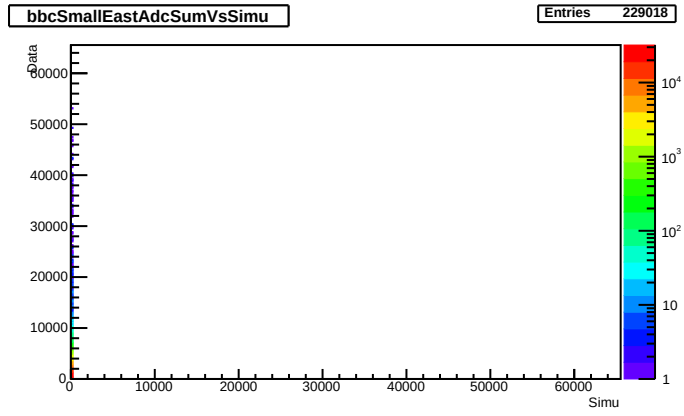

EQ3 QTB
Entries 7.432474e+07
ADC
QT Input Channel

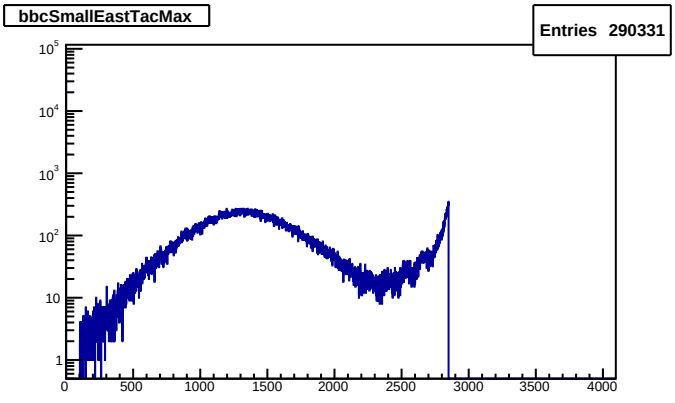

EQ3 QTB
Entries 2.311697e+07
TDC
QT Input Channel

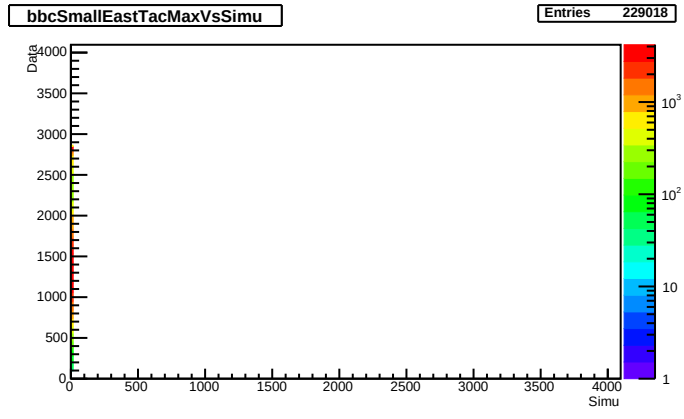

EQ3 QTC
Entries 2.787178e+07
ADC
QT Input Channel

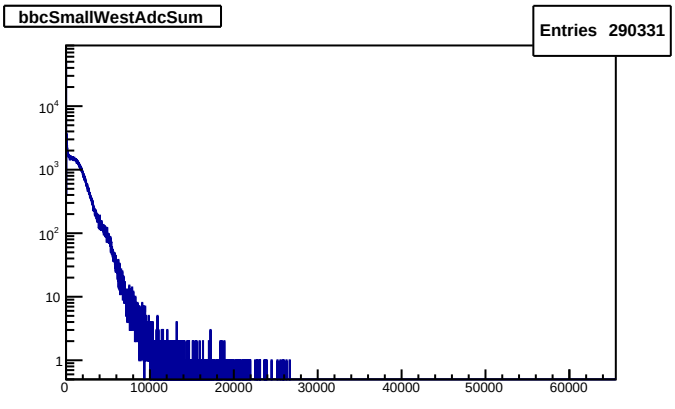

EQ3 QTC
Entries 2.787178e+07
TADC
QT Input Channel

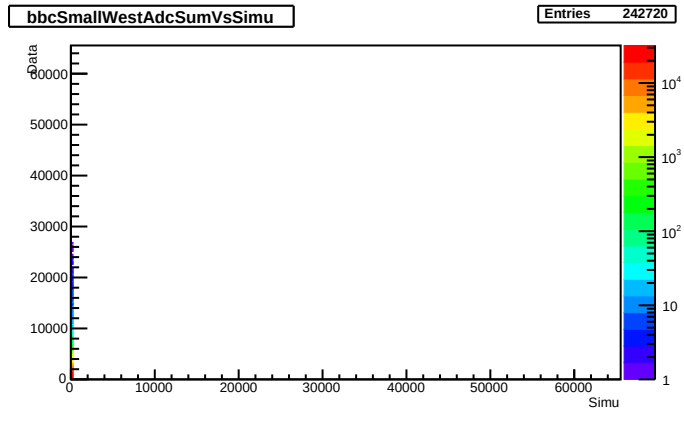

bbcSmallEastAdcSum
Entries 290331

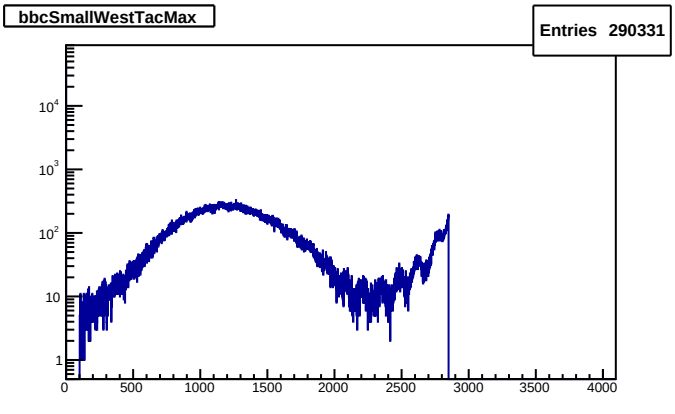

bbcSmallEastAdcSumVsSimu
Entries 229018
Data
Simu

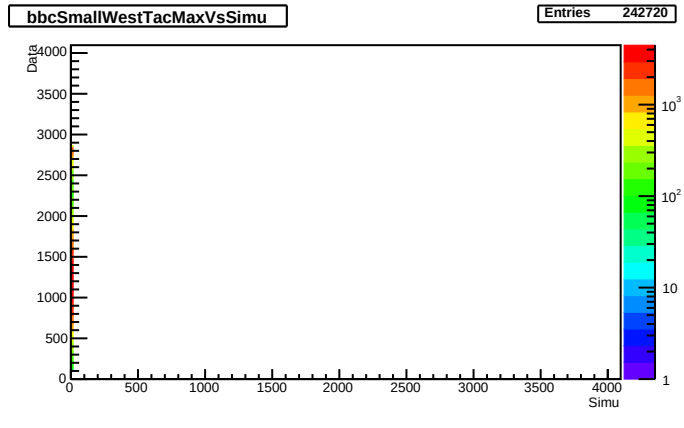

bbcSmallEastTacMax
Entries 290331

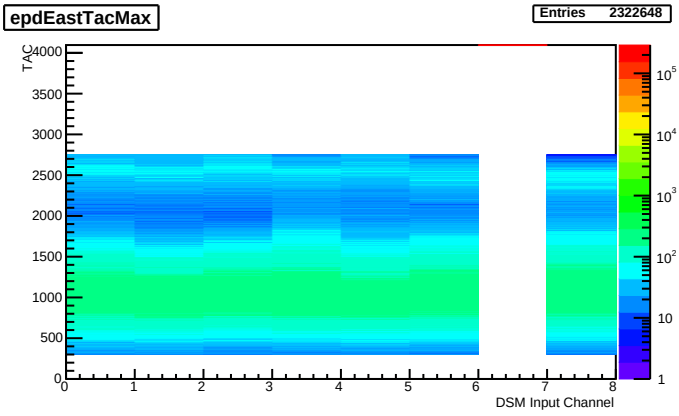

bbcSmallEastTacMaxVsSimu
Entries 229018
Data
Simu

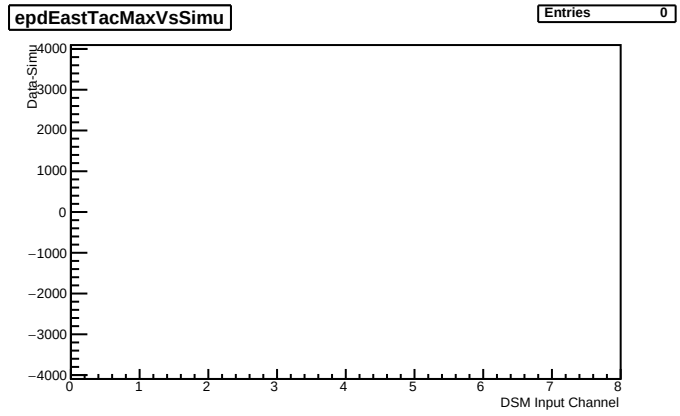

bbcSmallWestAdcSum
Entries 290331

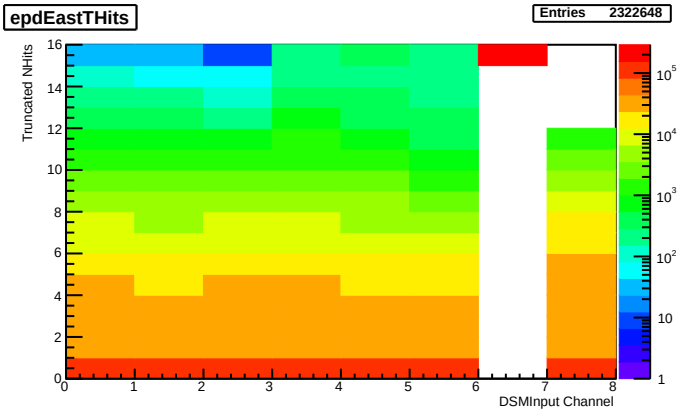

bbcSmallWestAdcSumVsSimu
Entries 242720
Data
Simu

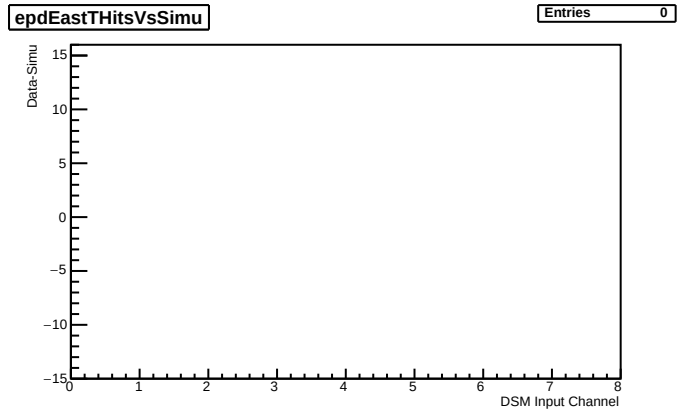

bbcSmallWestTacMax
Entries 290331

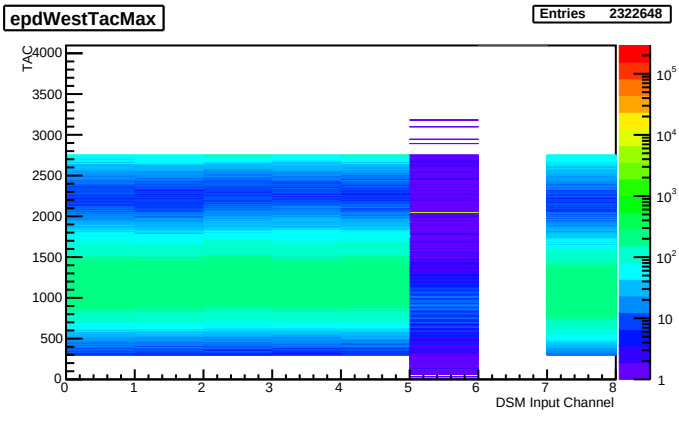

bbcSmallWestTacMaxVsSimu
Entries 242720
Data
Simu

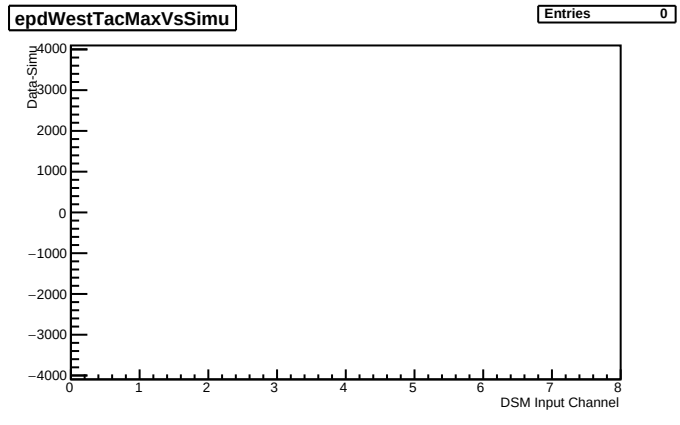

epdEastTacMax
Entries 2322648
TAC
DSM Input Channel

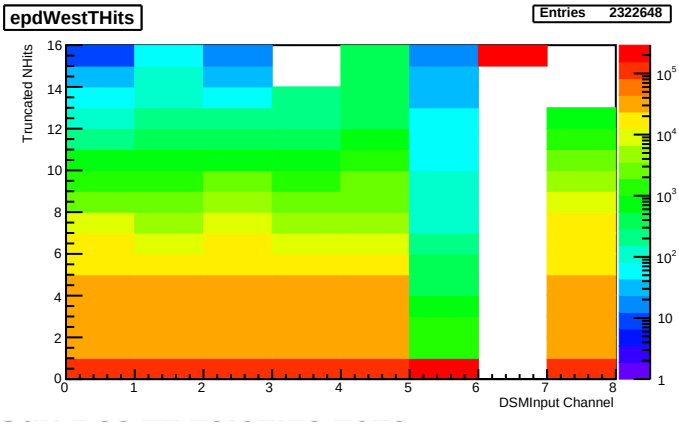

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

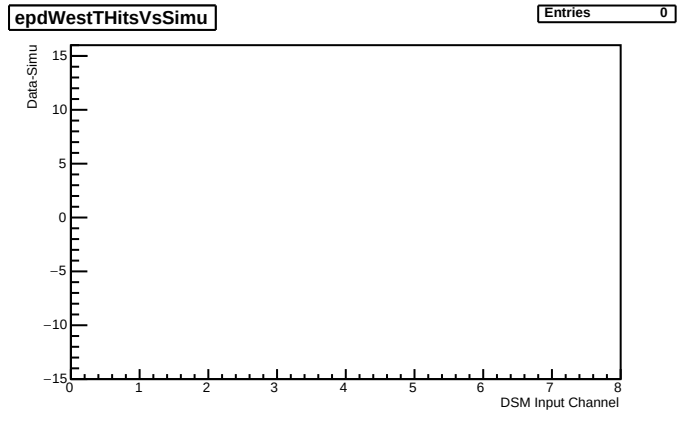

epdEastTHits
Entries 2322648
Truncated NHits
DSMInput Channel

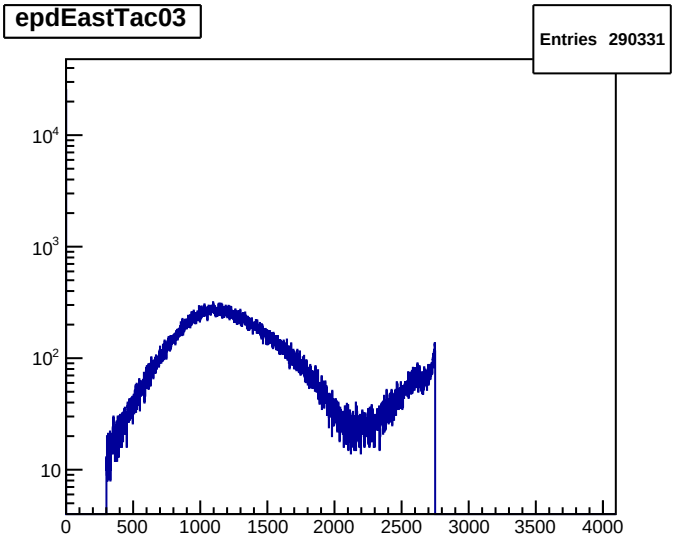

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

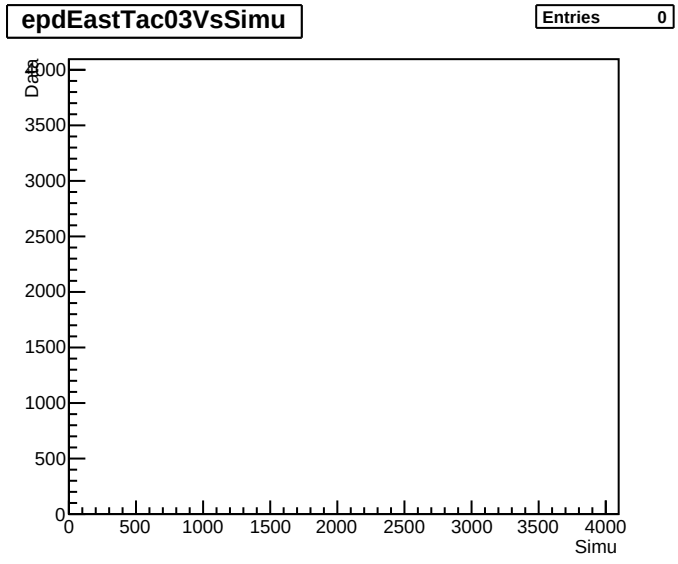

epdWestTacMax
Entries 2322648
TAC
DSM Input Channel

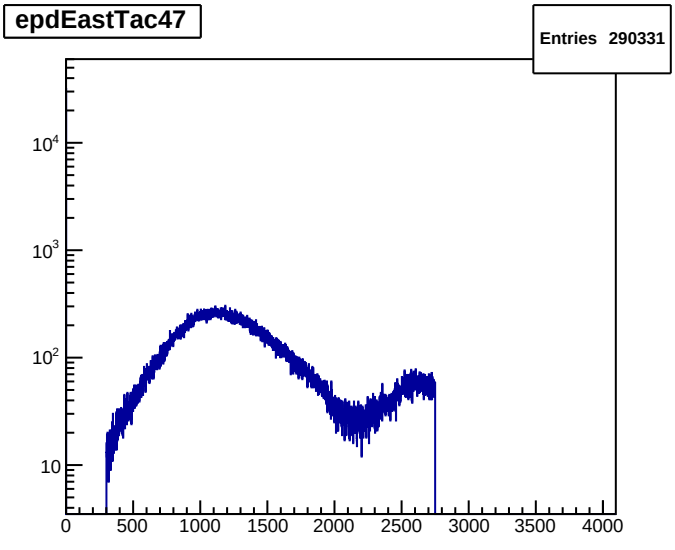

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

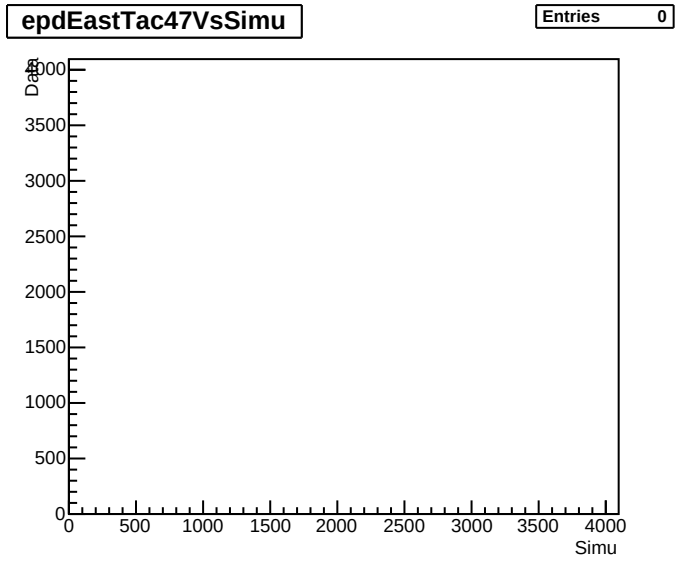

epdWestTHits
Entries 2322648
Truncated NHits
DSMInput Channel

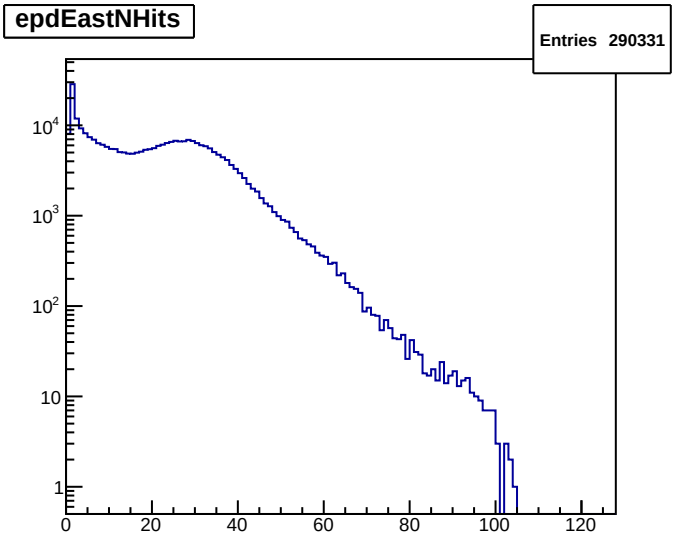

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

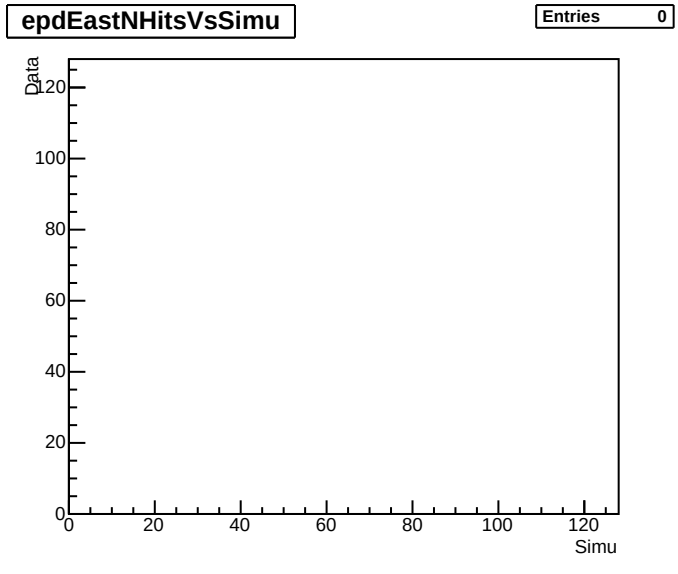

epdEastTac03
Entries 290331

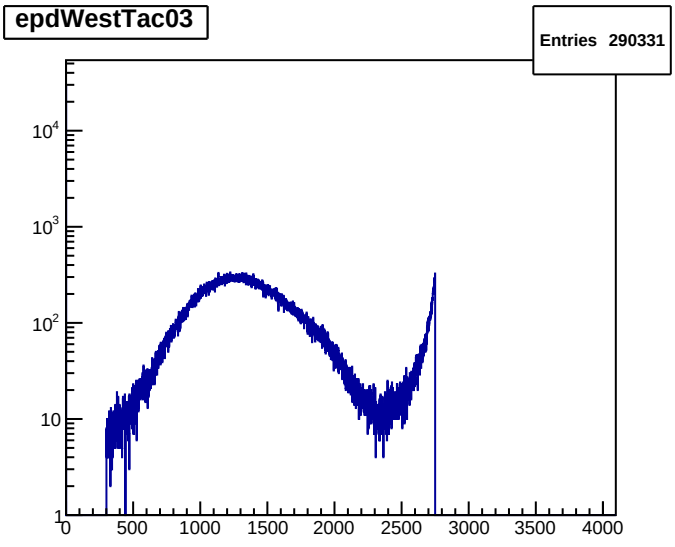

epdEastTac03VsSimu
Entries 0
Data
Simu

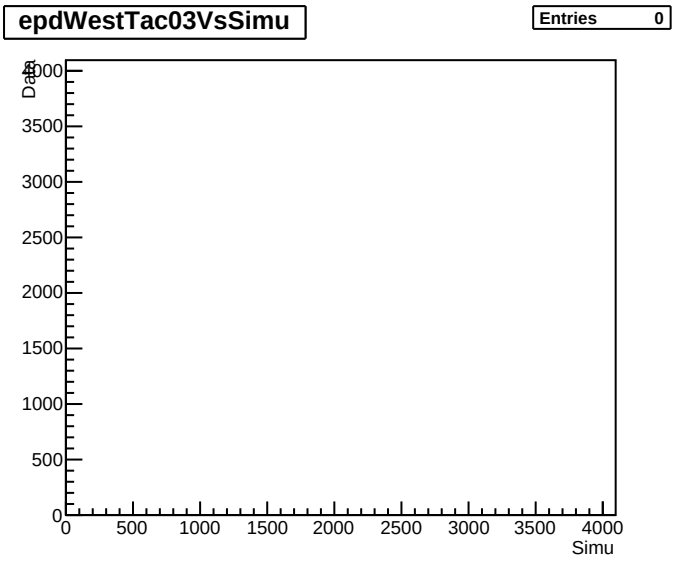

epdEastTac47
Entries 290331

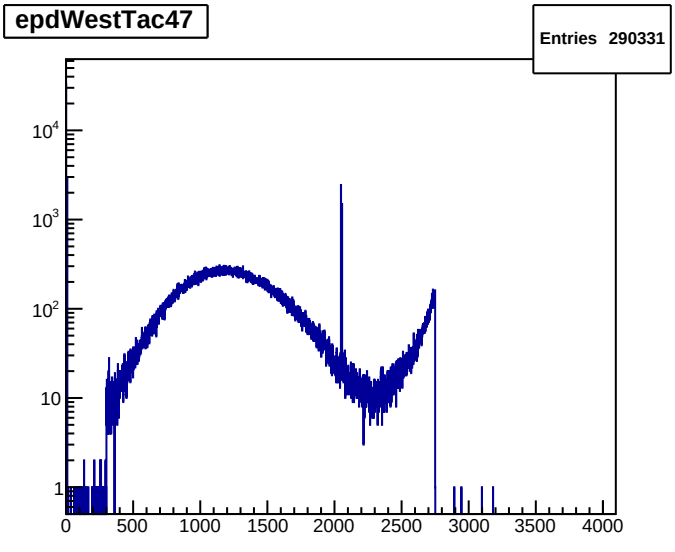

epdEastTac47VsSimu
Entries 0
Data
Simu

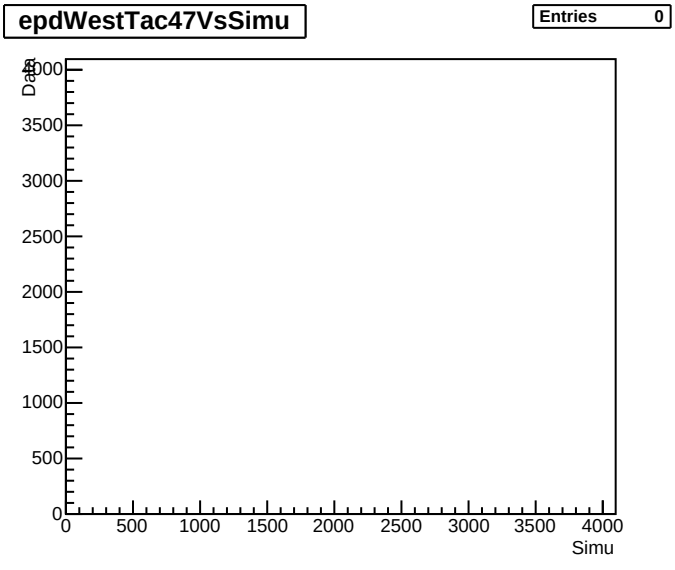

epdEastNHits
Entries 290331

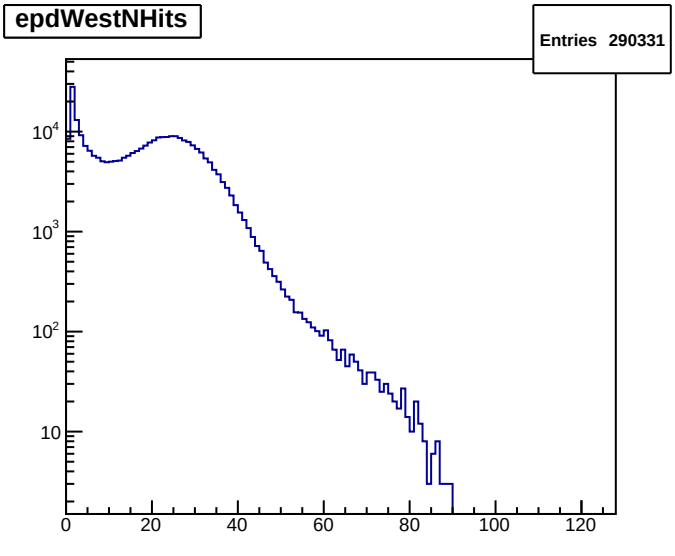

epdEastNHitsVsSimu
Entries 0
Data
Simu

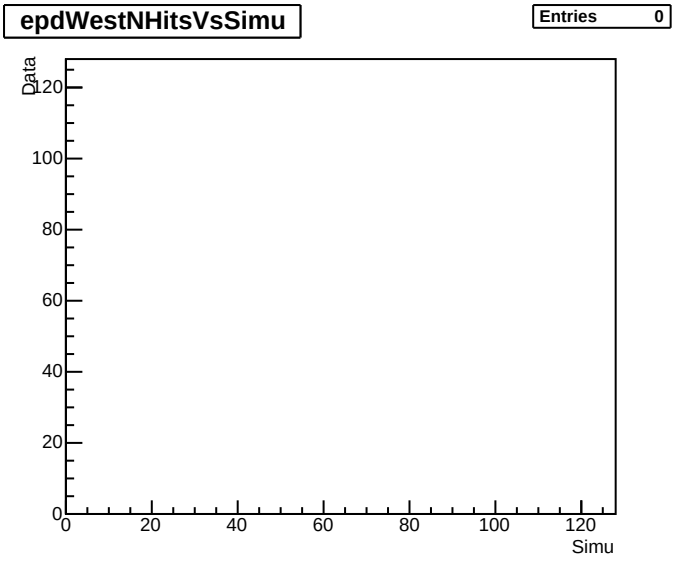

epdWestTac03
Entries 290331

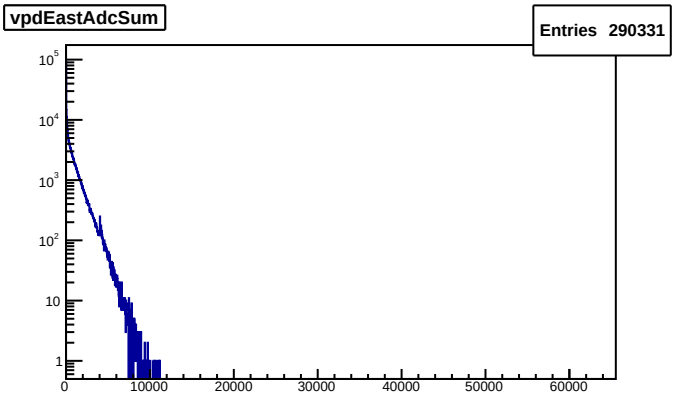

epdWestTac03VsSimu
Entries 0
Data
Simu

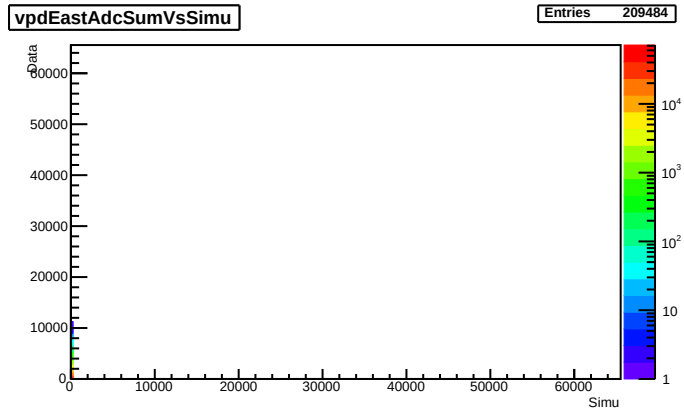

epdWestTac47
Entries 290331

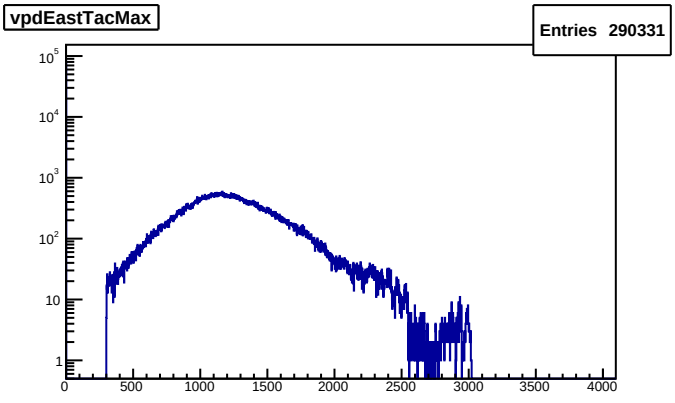

epdWestTac47VsSimu
Entries 0
Data
Simu

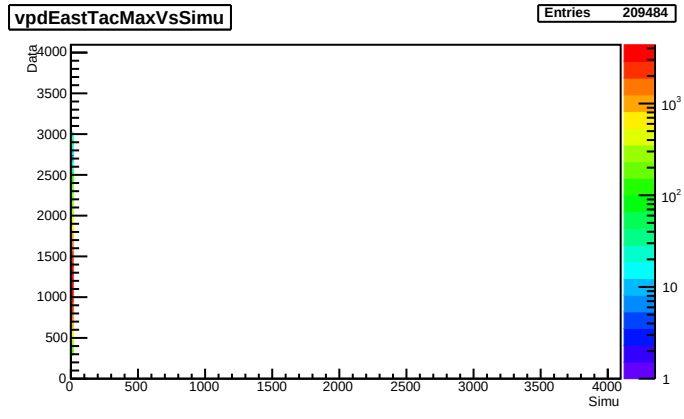

epdWestNHits
Entries 290331

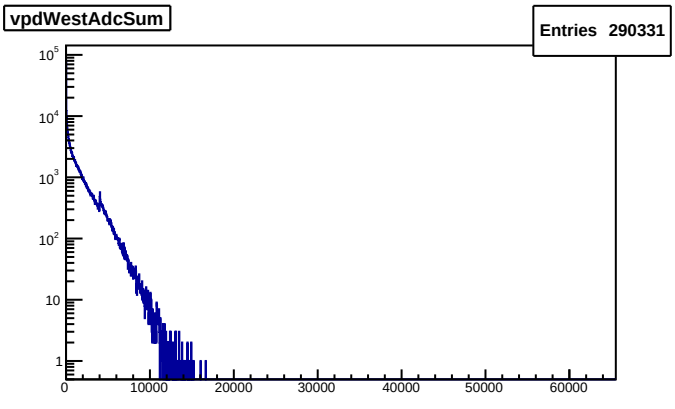

epdWestNHitsVsSimu
Entries 0
Data
Simu

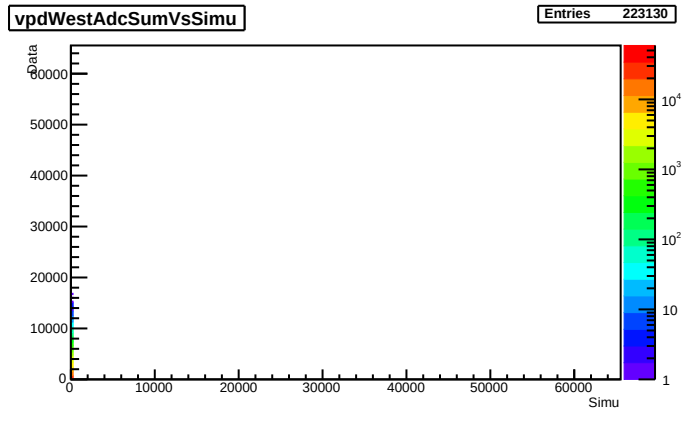

vpdEastAdcSum
Entries 290331

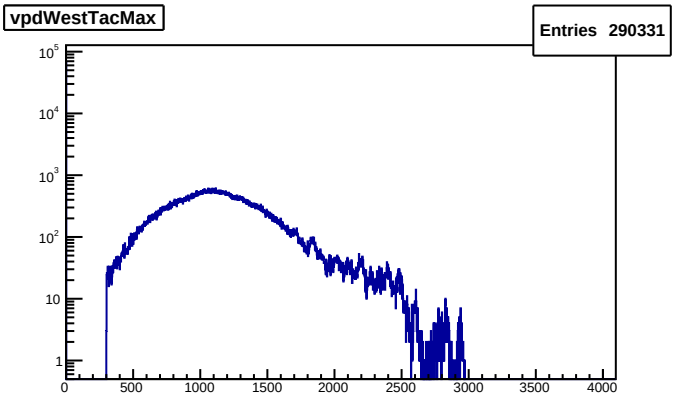

vpdEastAdcSumVsSimu
Entries 209484
Data
Simu

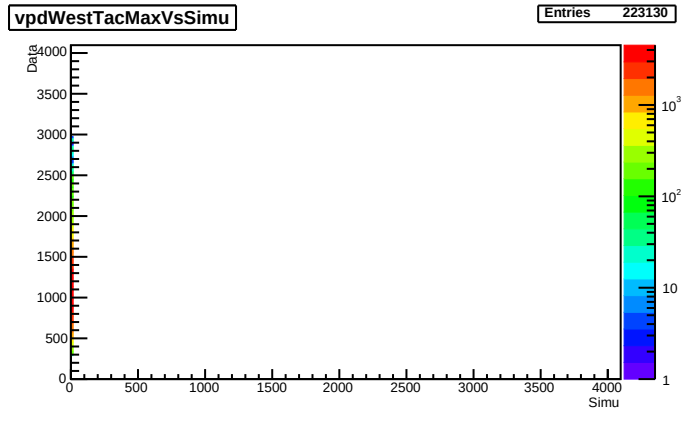

vpdEastTacMax
Entries 290331

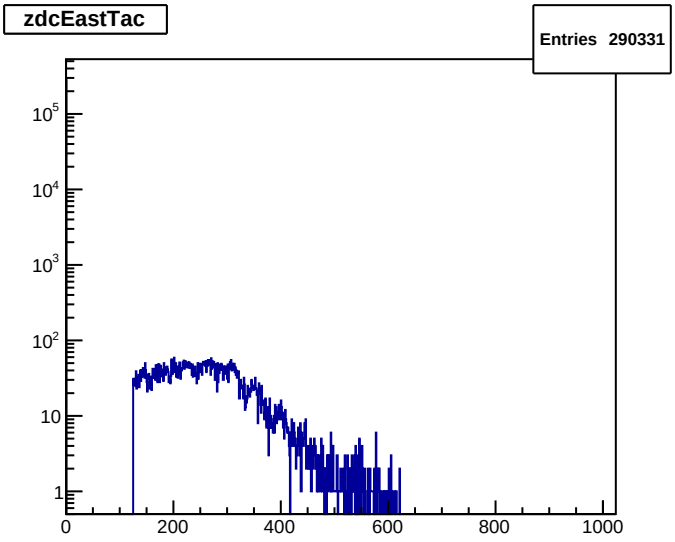

vpdEastTacMaxVsSimu
Entries 209484
Data
Simu

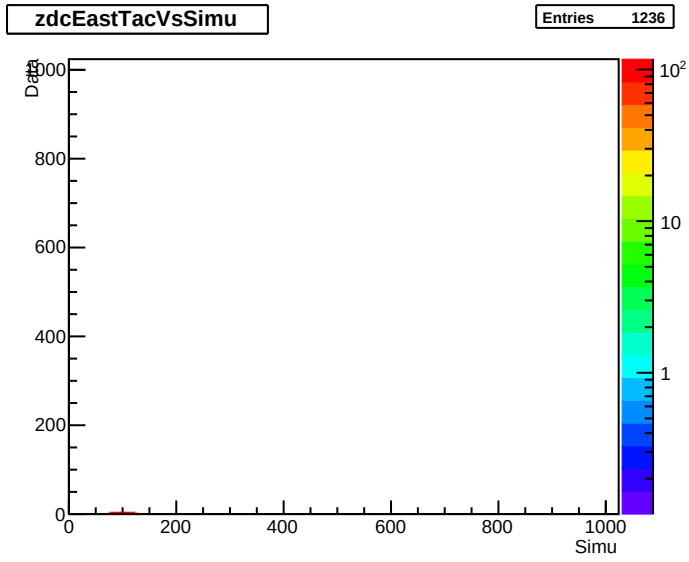

vpdWestAdcSum
Entries 290331

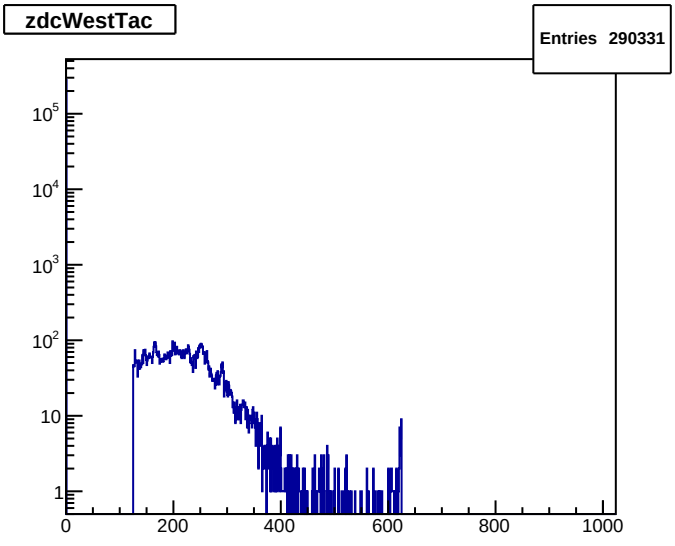

vpdWestAdcSumVsSimu
Entries 223130
Data
Simu

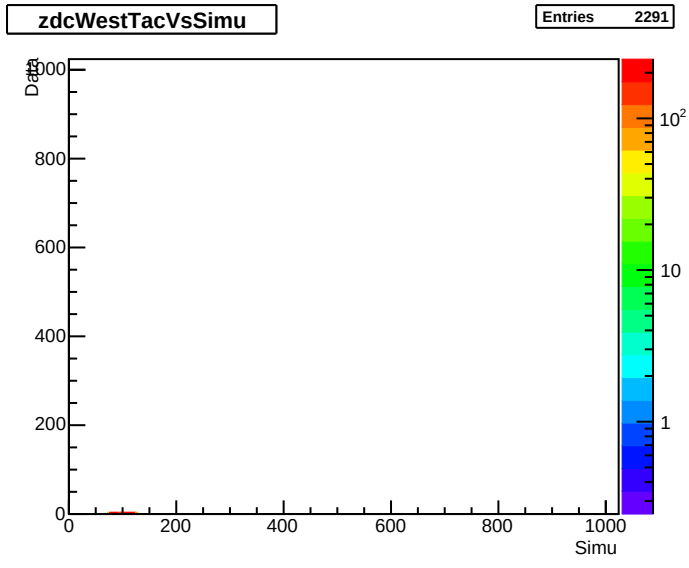

vpdWestTacMax
Entries 290331

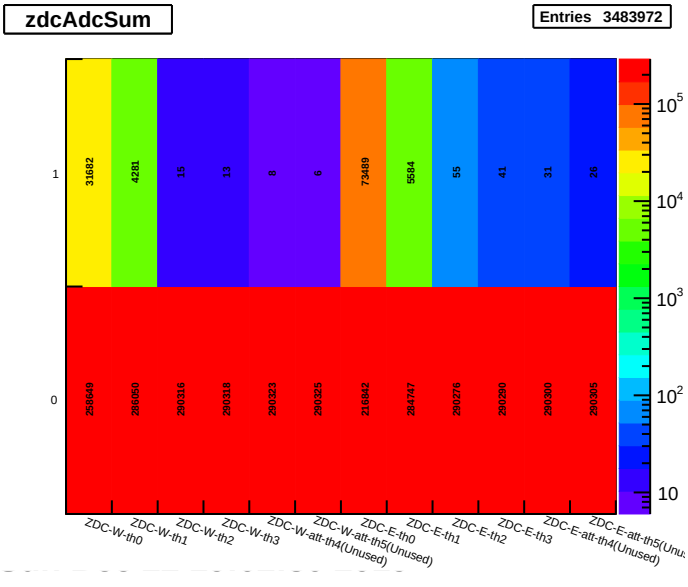

vpdWestTacMaxVsSimu
Entries 223130
Data
Simu

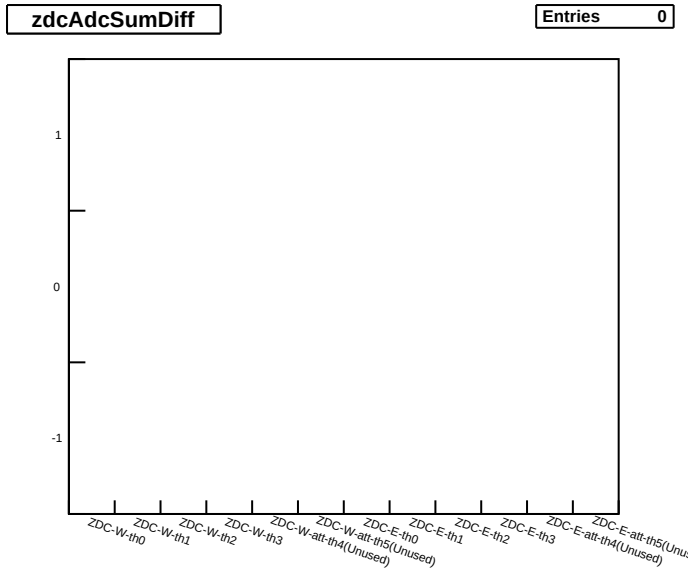

zdcEastTac
Entries 290331

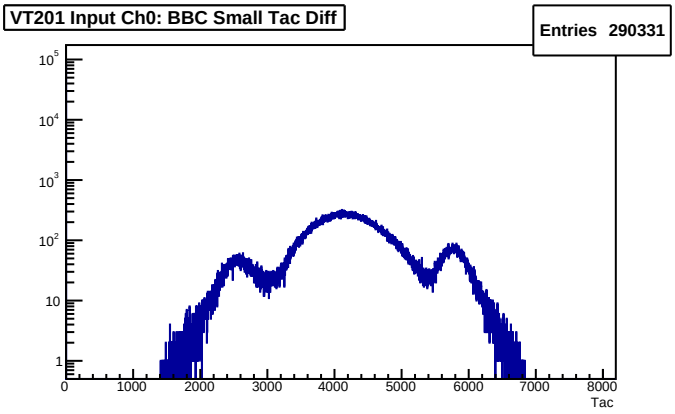

zdcEastTacVsSimu
Entries 1236
Data
Simu

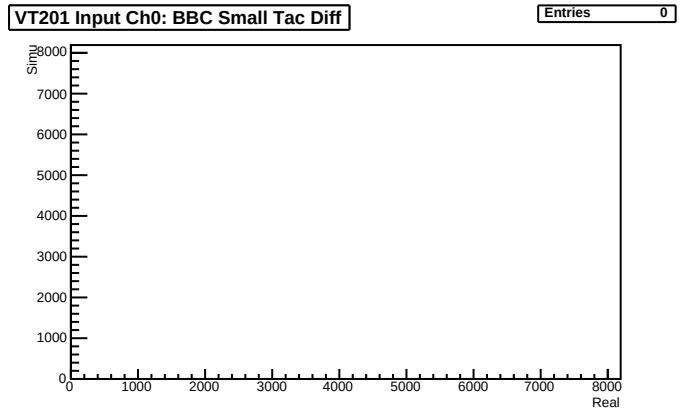

zdcWestTac
Entries 290331

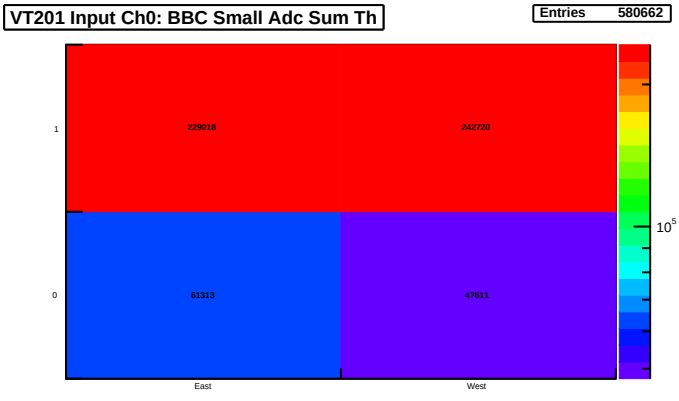

zdcWestTacVsSimu
Entries 2291
Data
Simu

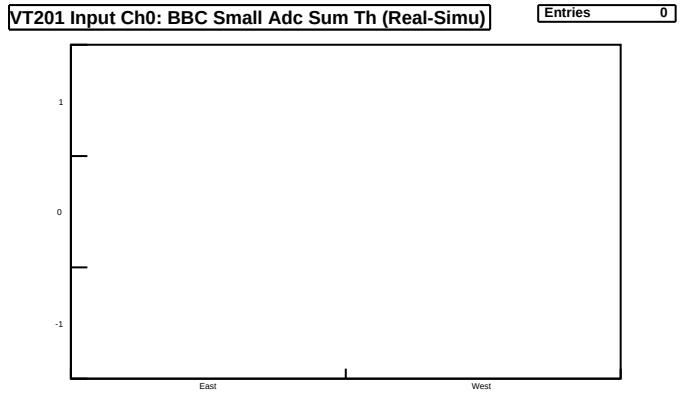

zdcAdcSum
Entries 3483972
31682
4281
15
13
8
6
73489
5584
55
41
31
26
258649
286050
290316
290318
290323
290325
216842
284747
290276
290290
290300
290305
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

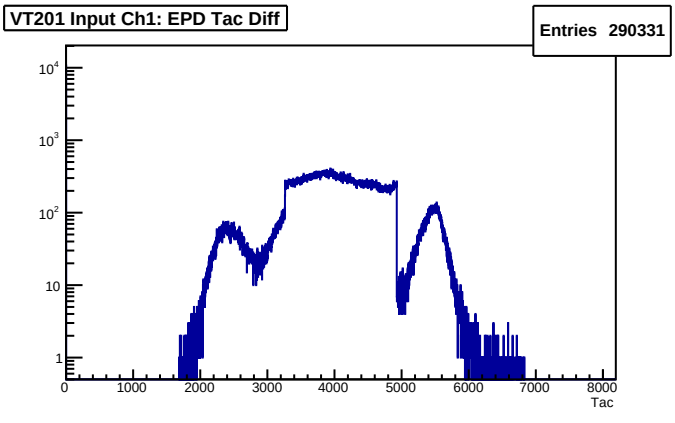

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

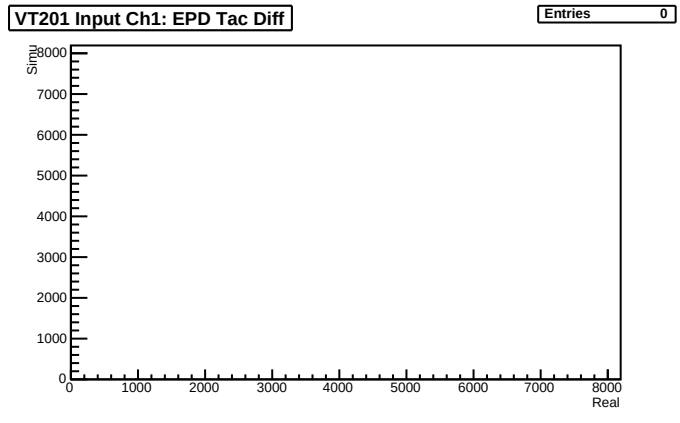

VT201 Input Ch0: BBC Small Tac Diff
Entries 290331
Tac

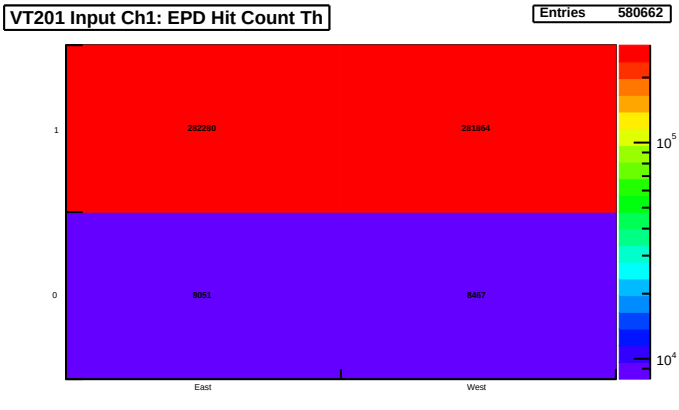

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

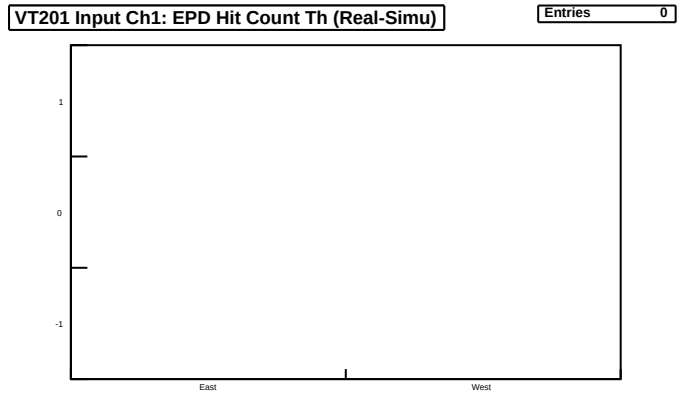

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 580662
229018
242720
61313
47611
East
West

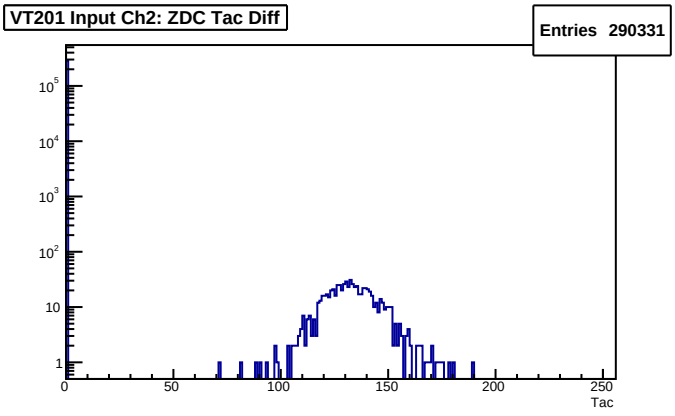

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

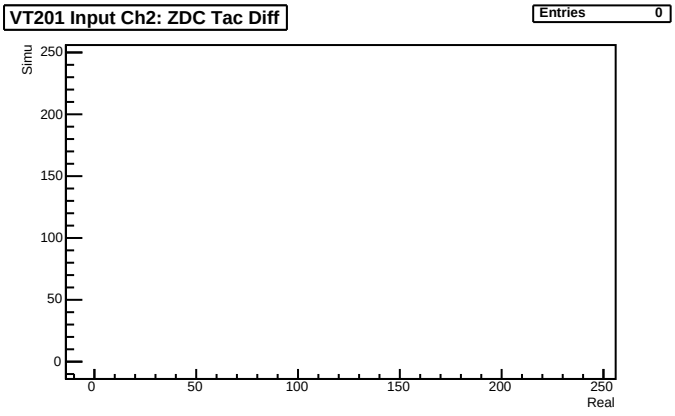

VT201 Input Ch1: EPD Tac Diff
Entries 290331
Tac

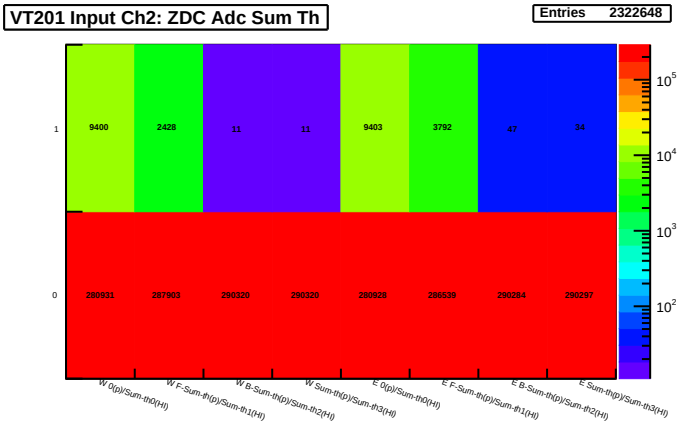

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

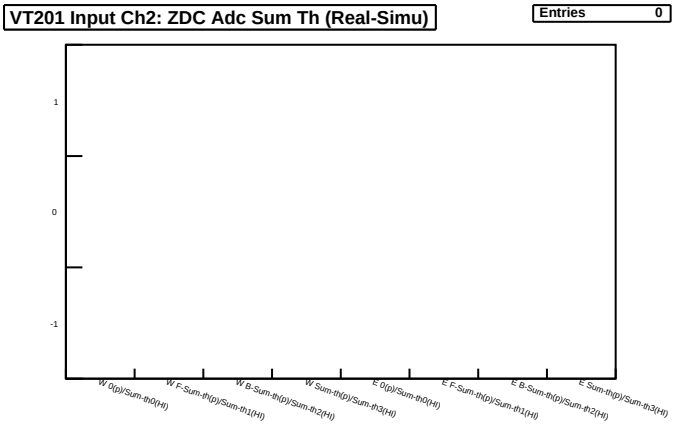

VT201 Input Ch1: EPD Hit Count Th
Entries 580662
282280
281864
8051
8467
East
West

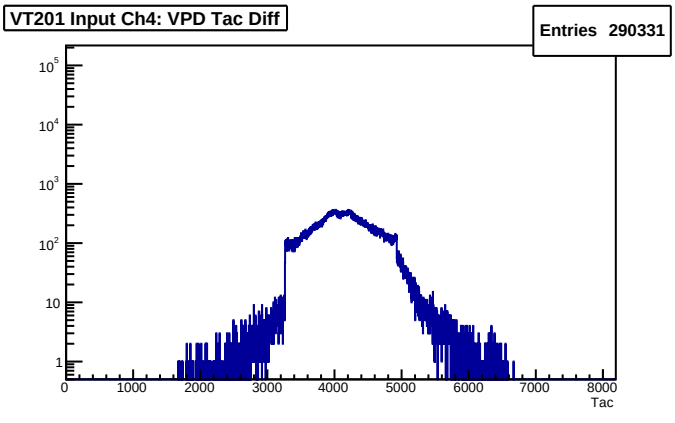

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

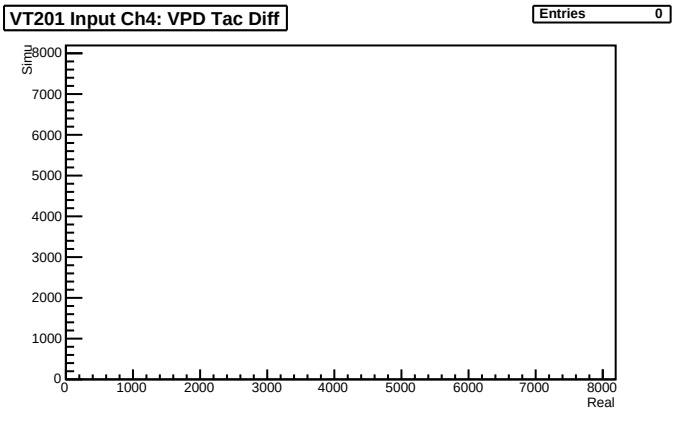

VT201 Input Ch2: ZDC Tac Diff
Entries 290331
Tac

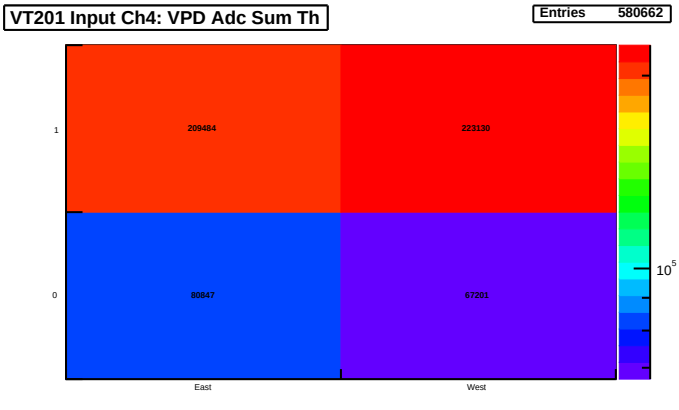

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

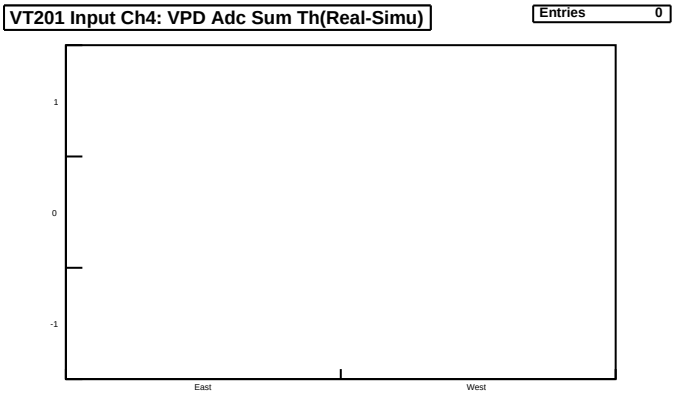

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2322648
9400
2428
11
11
9403
3792
47
34
280931
287903
290320
290320
280928
286539
290284
290297
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

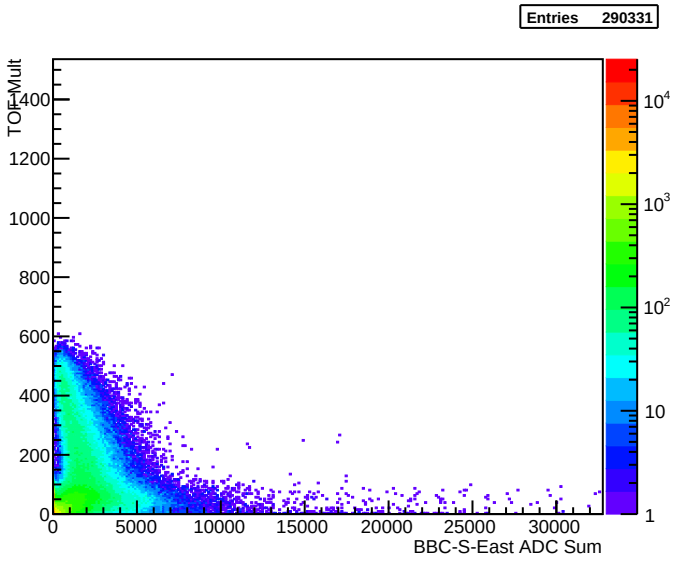

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

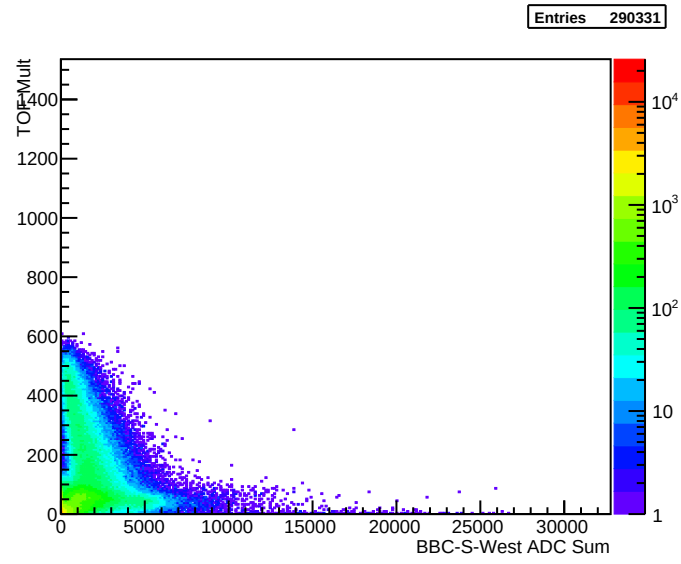

VT201 Input Ch4: VPD Tac Diff
Entries 290331
Tac

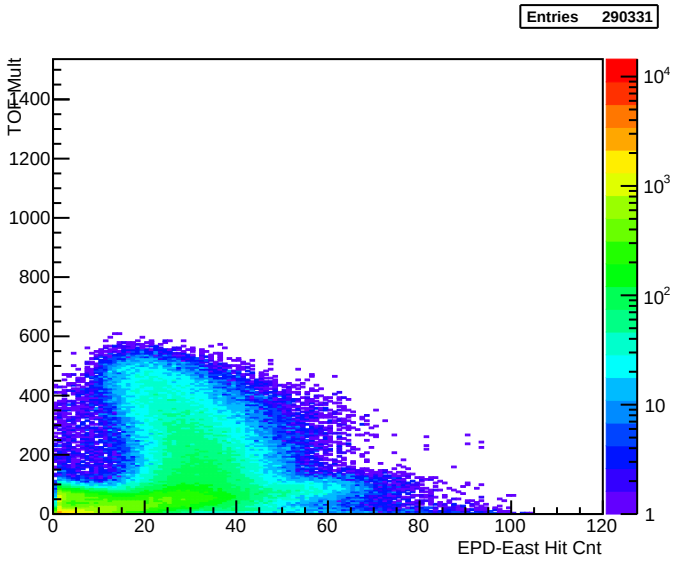

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

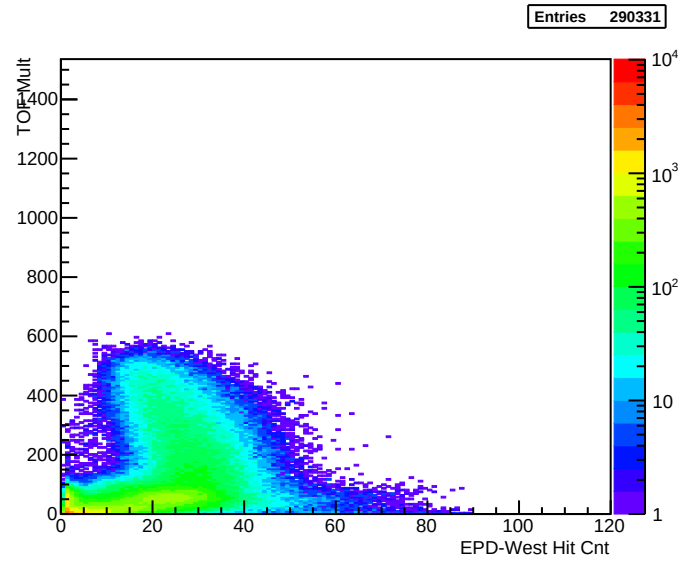

VT201 Input Ch4: VPD Adc Sum Th
Entries 580662
209484
223130
80847
67201
East
West

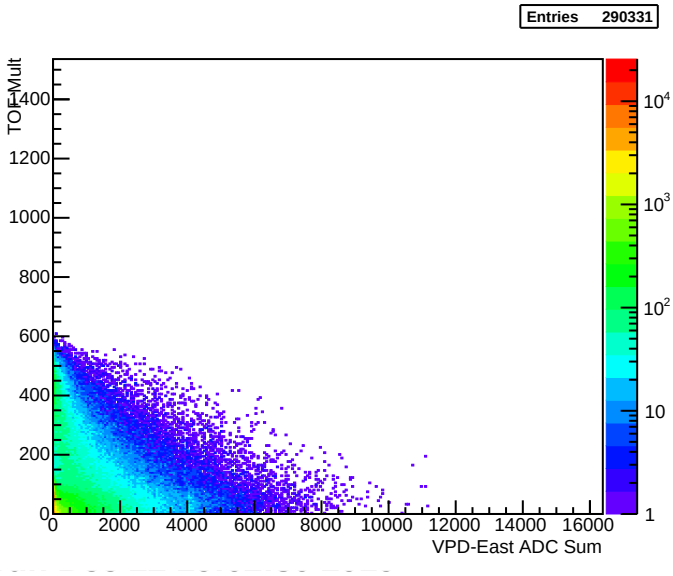

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

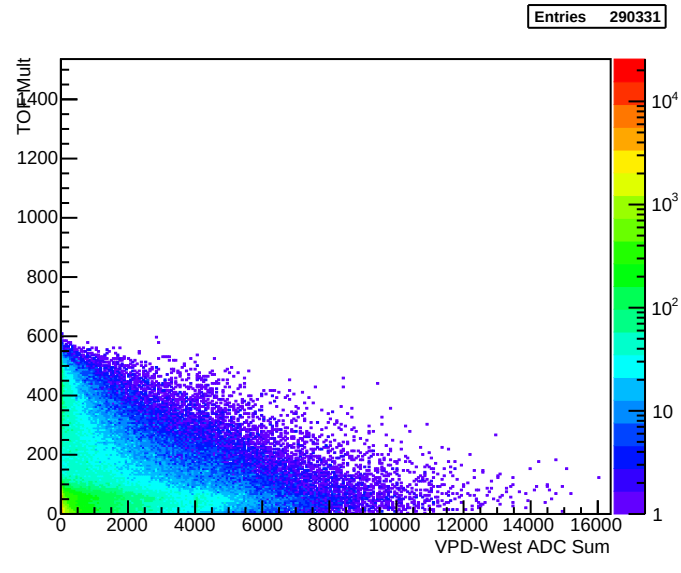

Entries 290331
TOF-Mult
BBC-S-East ADC Sum

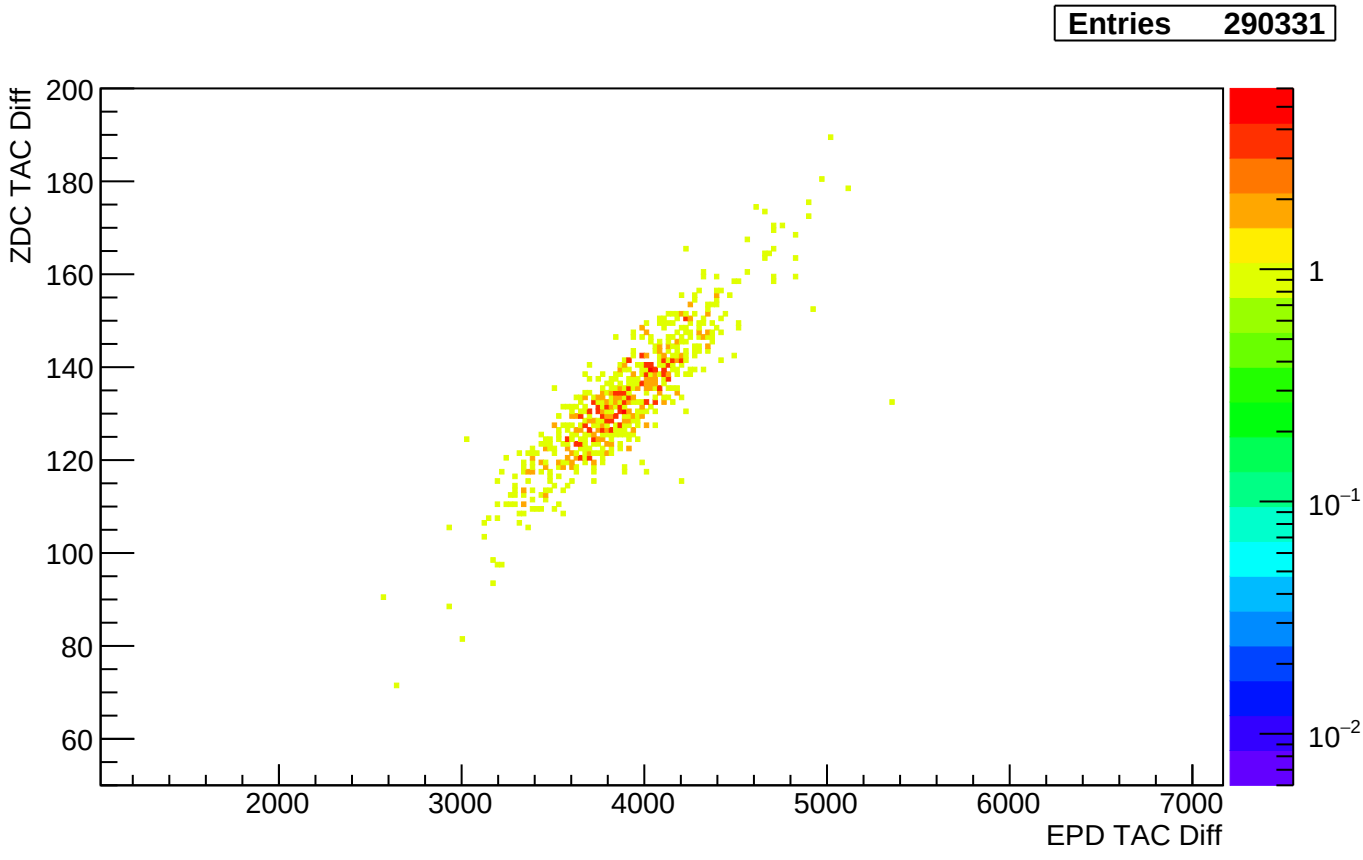

Entries 290331
TOF-Mult
BBC-S-West ADC Sum

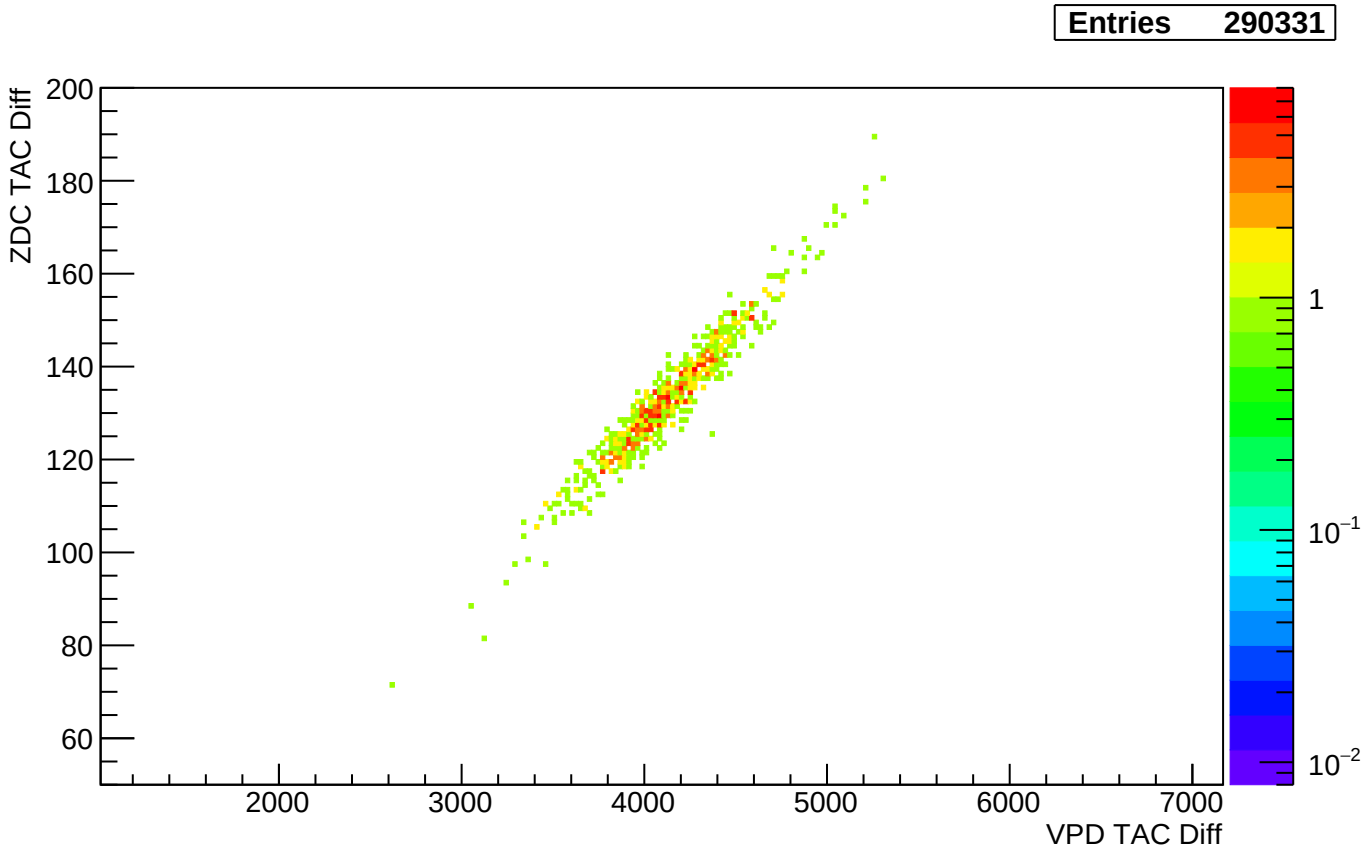

Entries 290331
TOF-Mult
EPD-East Hit Cnt

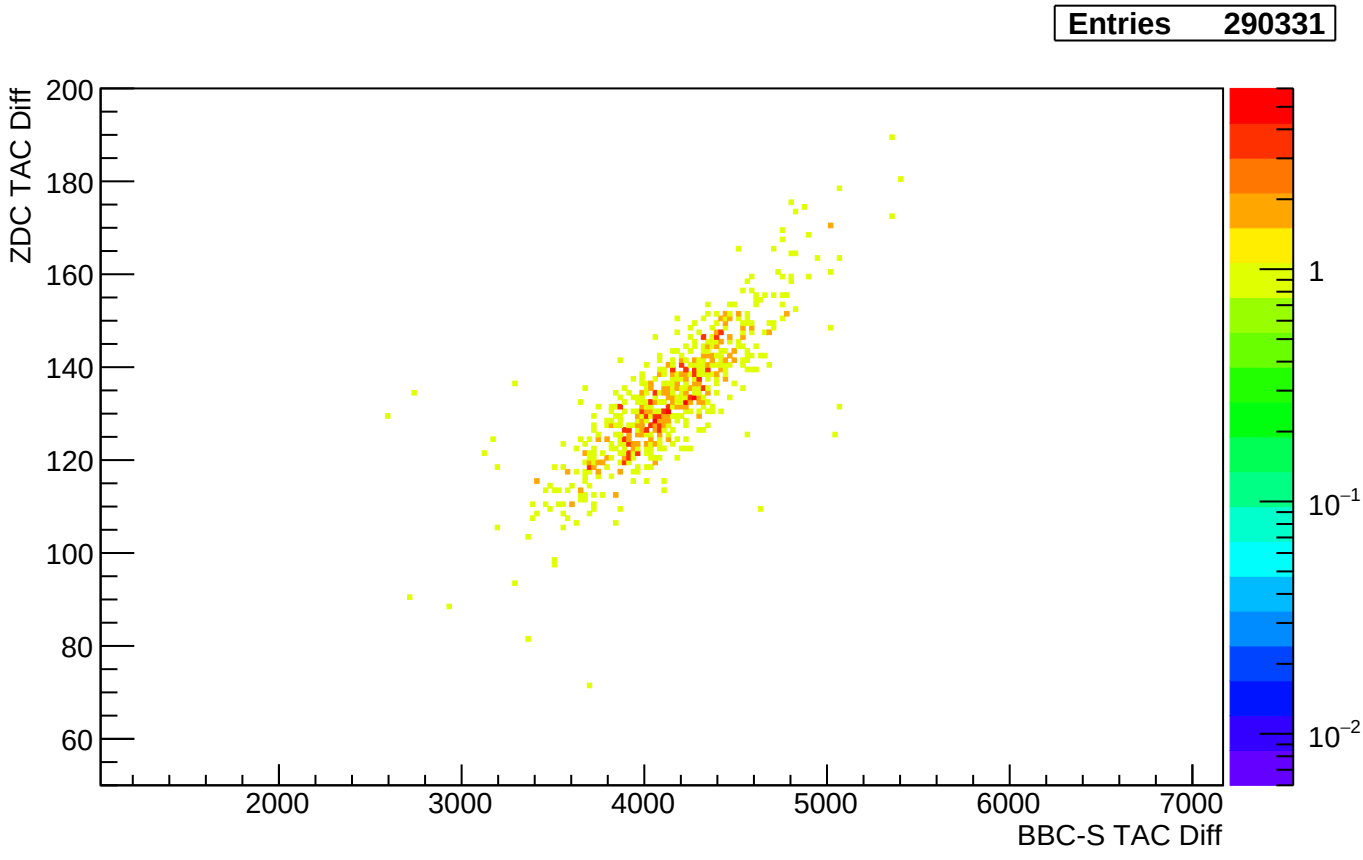

Entries 290331
TOF-Mult
EPD-West Hit Cnt

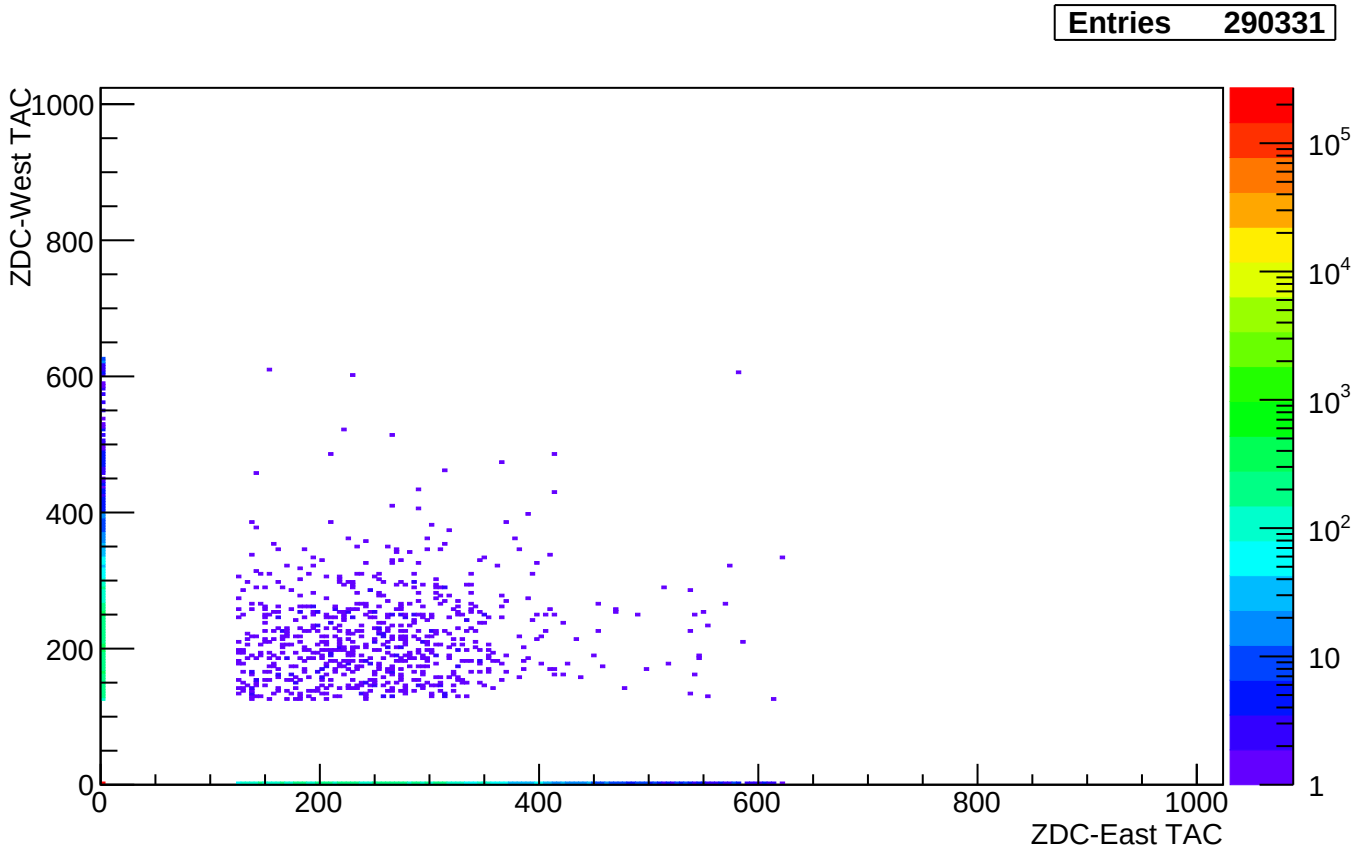

Entries 290331
TOF-Mult
VPD-East ADC Sum

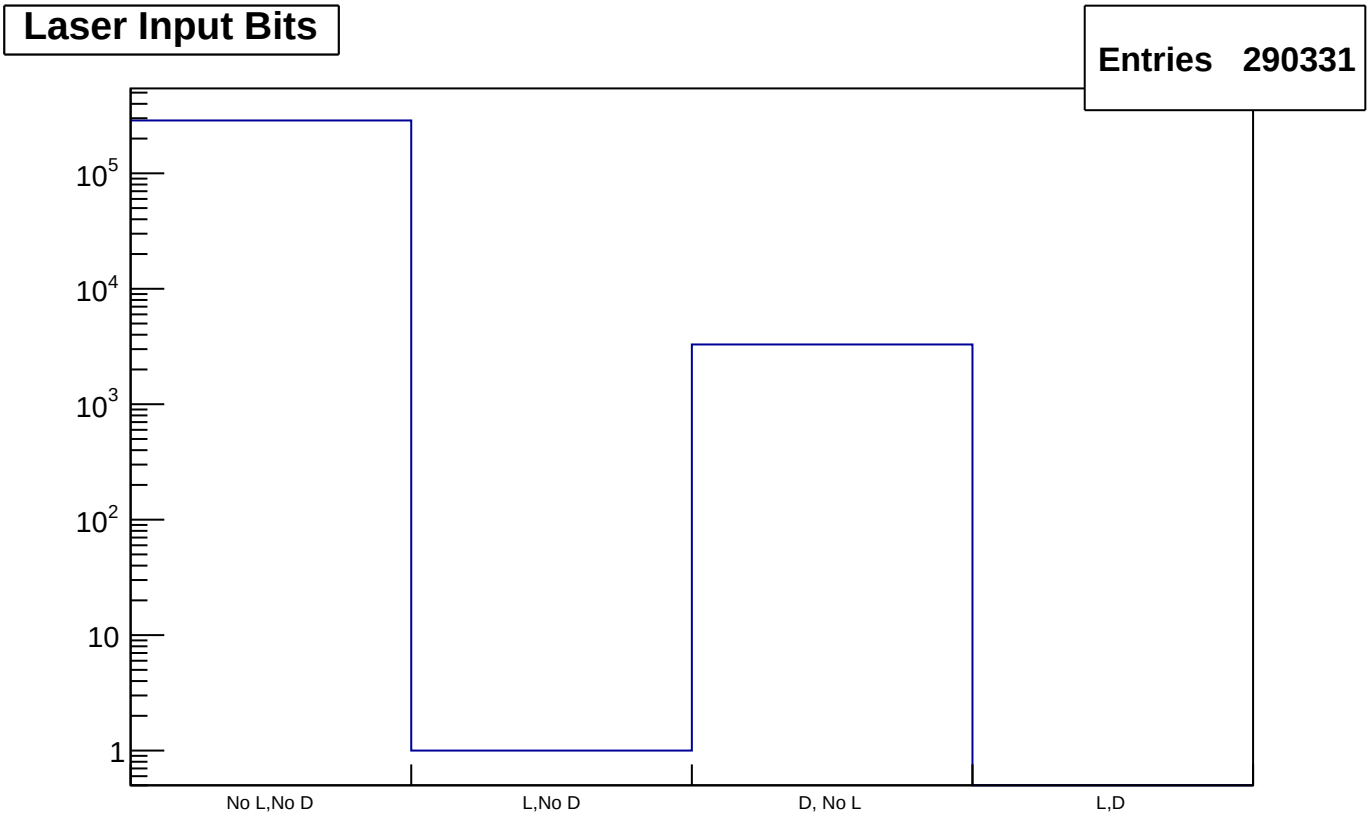

Entries 290331
TOF-Mult
VPD-West ADC Sum

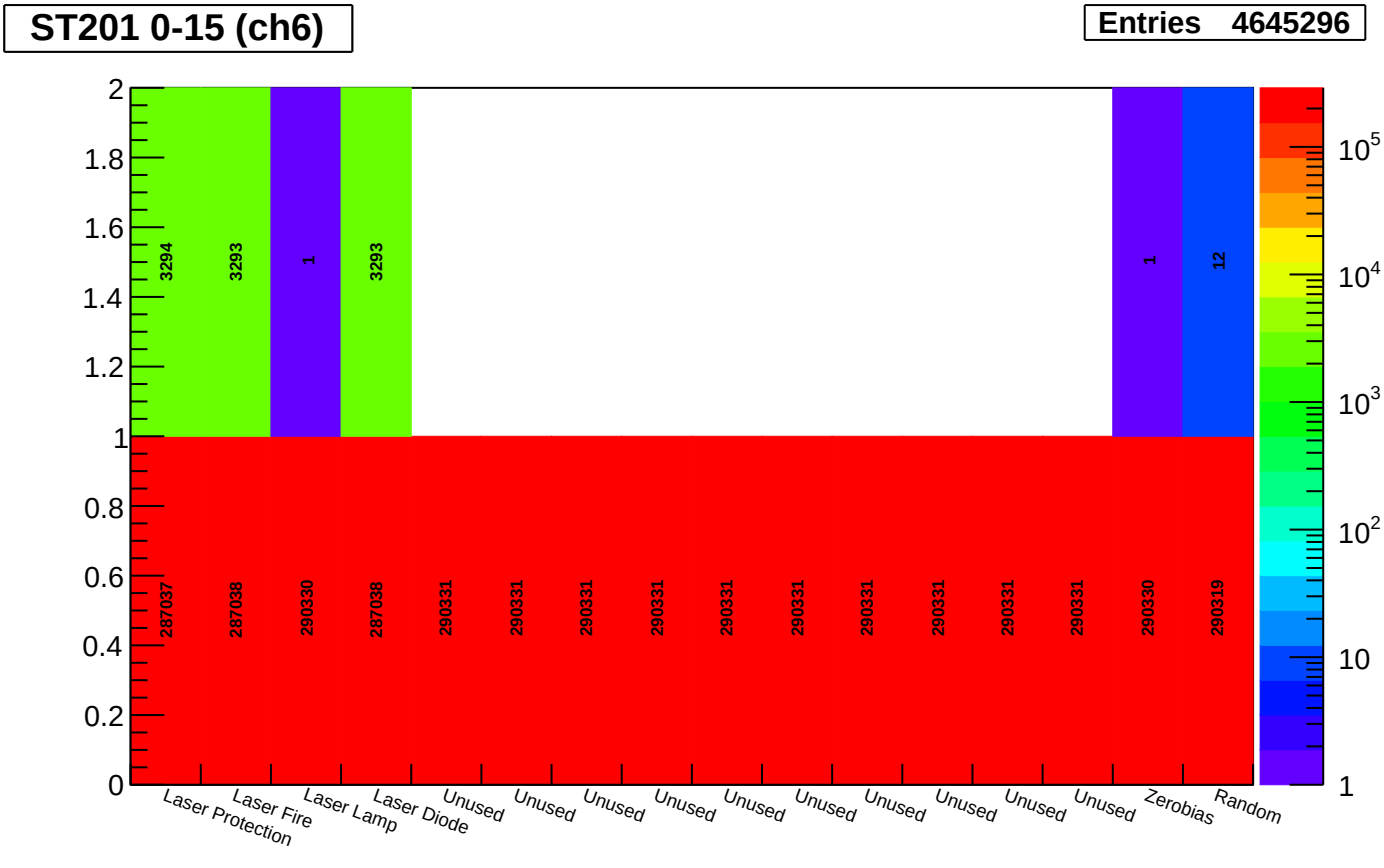

Entries 290331
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

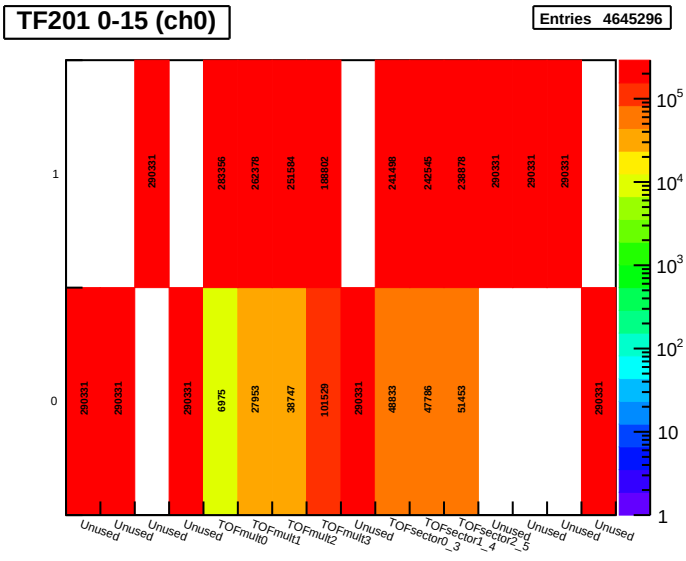

Entries 290331
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

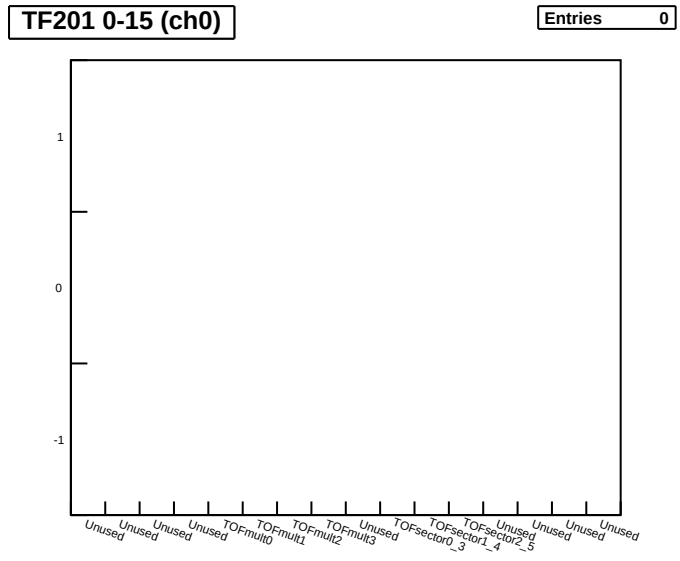

Entries 290331
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

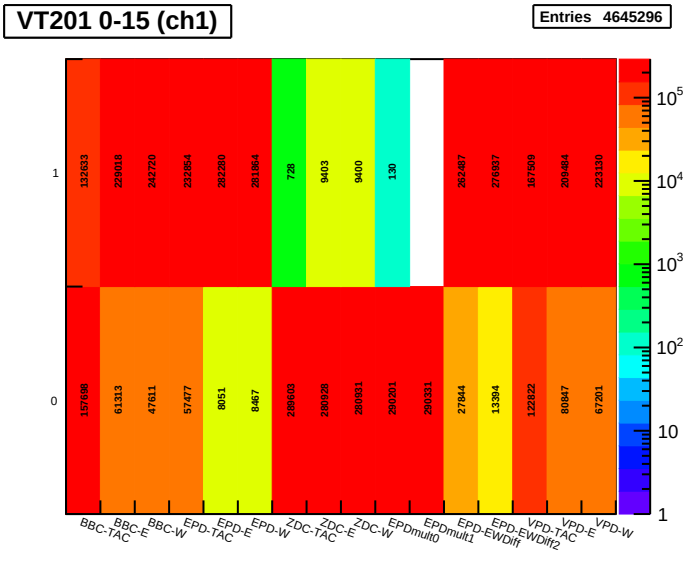

Entries 290331
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

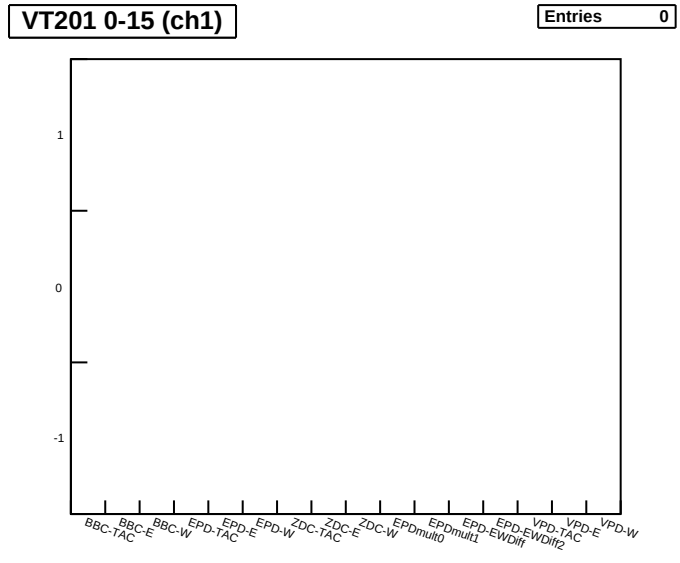

Laser Input Bits
Entries 290331
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

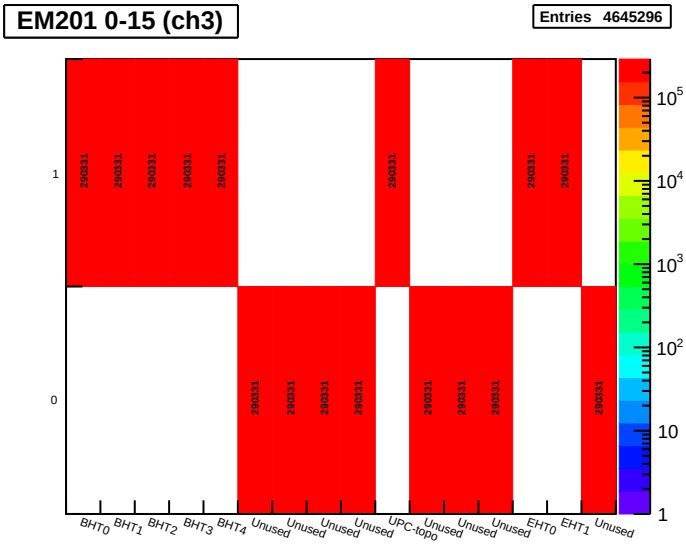

ST201 0-15 (ch6)
Entries 4645296
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3294
3293
1
3293
1
12
287037
287038
290330
287038
290331
290331
290331
290331
290331
290331
290331
290331
290331
290331
290330
290319
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

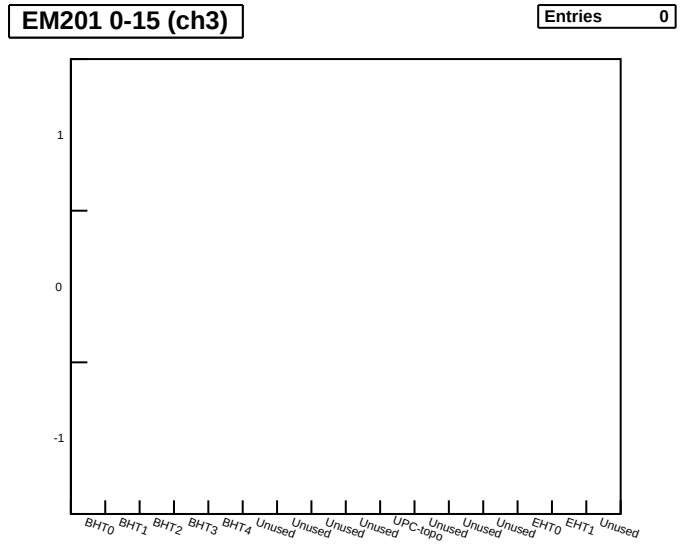

TF201 0-15 (ch0)
Entries 4645296
1
0
290331
263356
262378
251584
188802
241498
242545
238878
290331
290331
290331
290331
290331
290331
290331
6975
27953
38747
101529
290331
48833
47786
51453
290331
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 4645296
1
0
132633
229018
242720
232854
282280
281854
728
9403
9400
130
262487
276937
167509
209484
223130
157698
61313
47611
57477
8051
8467
288603
280928
280331
290201
290331
27844
13394
122822
80847
67201
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 4645296
1
0
290331
290331
290331
290331
290331
290331
290331
290331
290331
290331
290331
290331
290331
290331
290331
290331
290331
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
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
UPC-topo
EHT0
EHT1