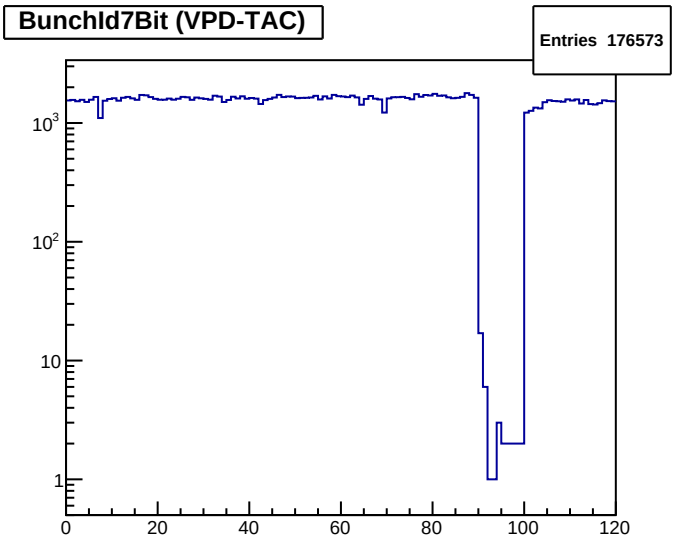
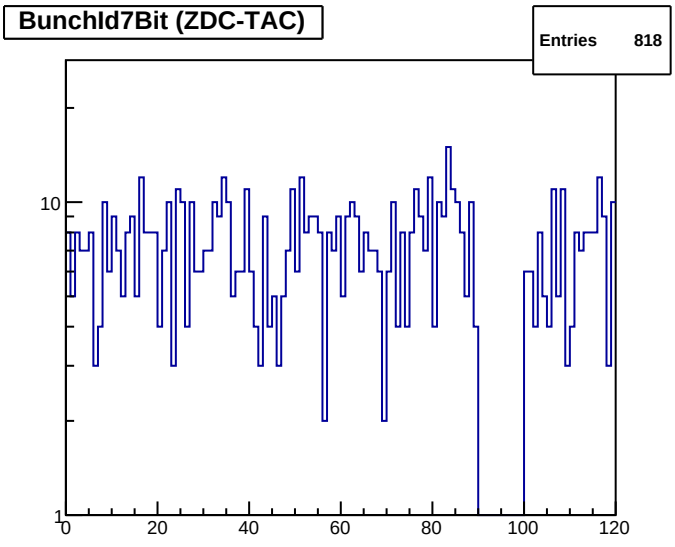
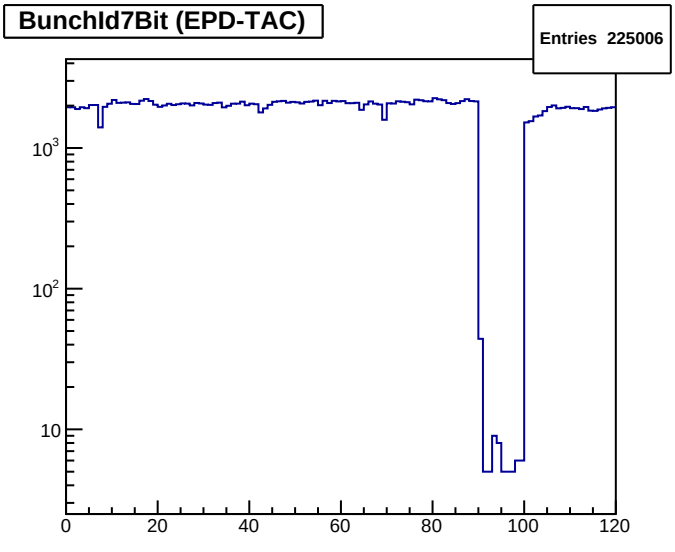
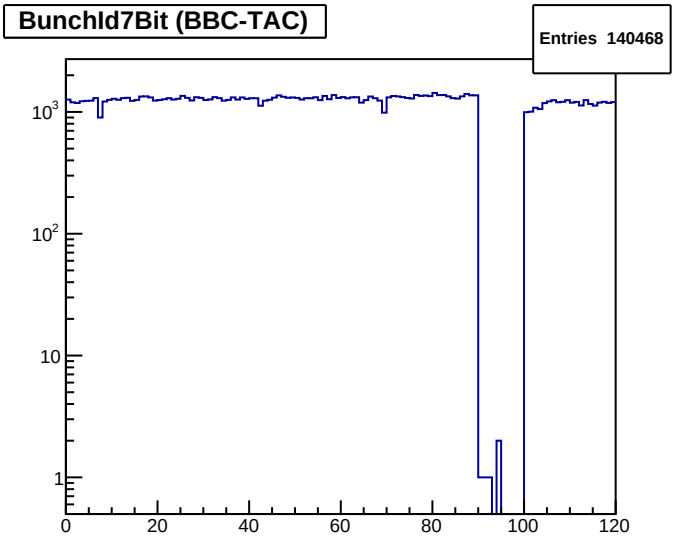
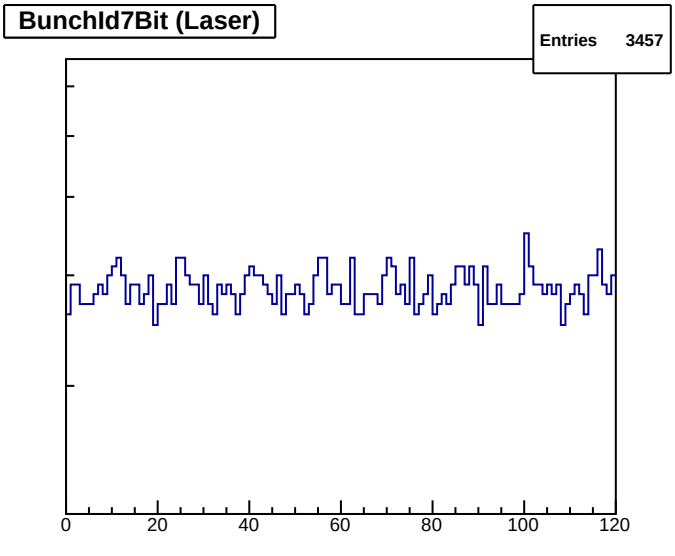
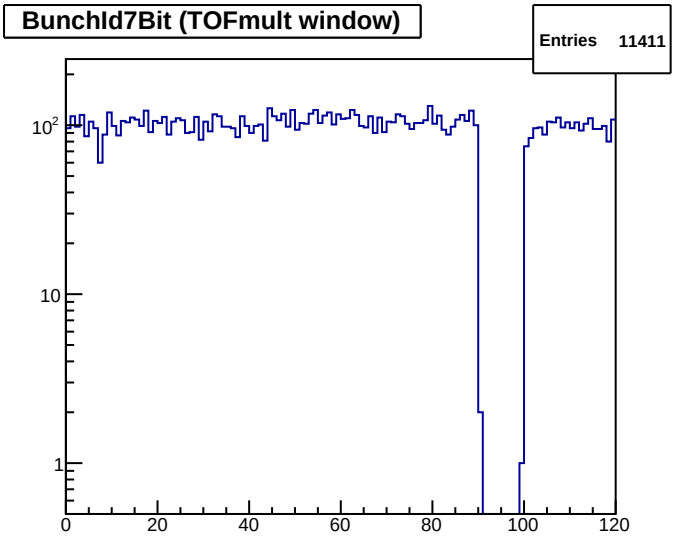

BunchId7Bit (VPD-TAC)
Entries 176573
10^3
10^2
10
1
0
20
40
60
80
100
120

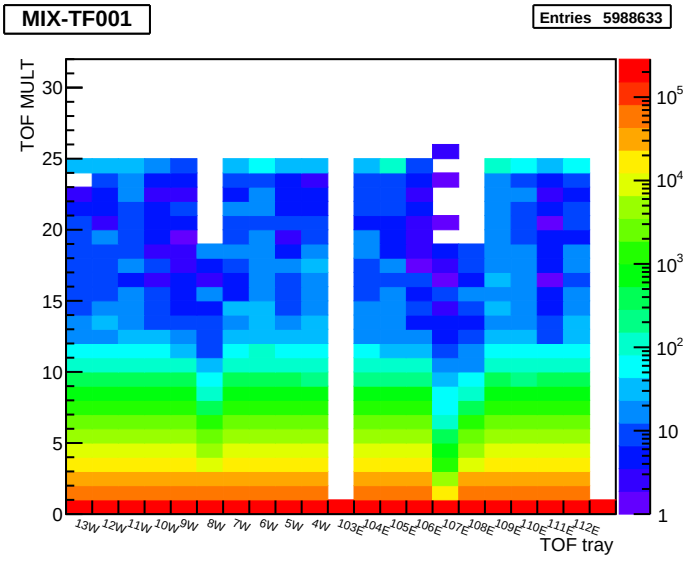

BunchId7Bit (ZDC-TAC)
Entries 818
10
1
0
20
40
60
80
100
120

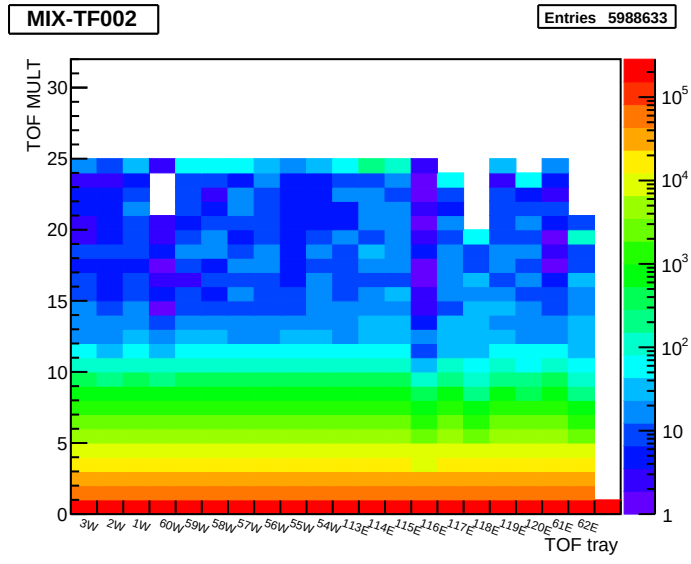

BunchId7Bit (EPD-TAC)
Entries 225006
10^3
10^2
10
0
20
40
60
80
100
120

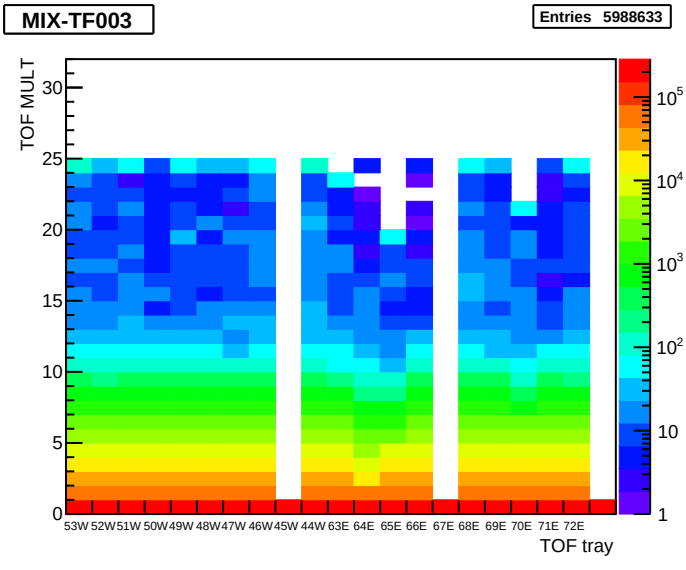

BunchId7Bit (BBC-TAC)
Entries 140468
10^3
10^2
10
1
0
20
40
60
80
100
120

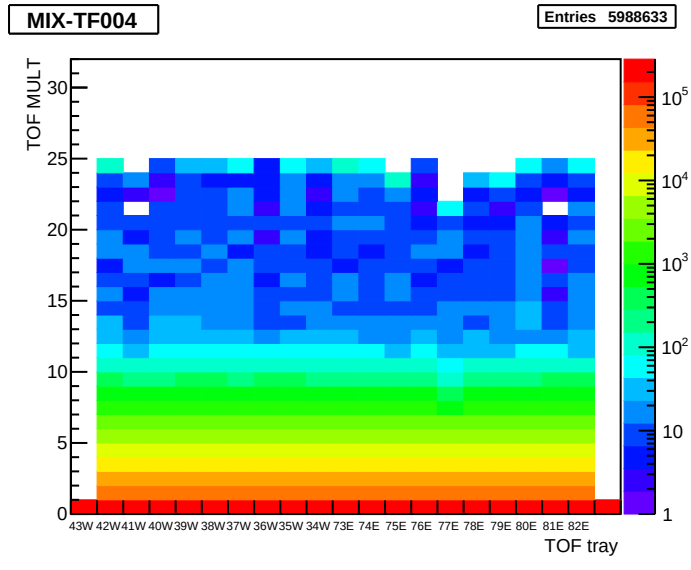

BunchId7Bit (Laser)
Entries 3457
0
20
40
60
80
100
120

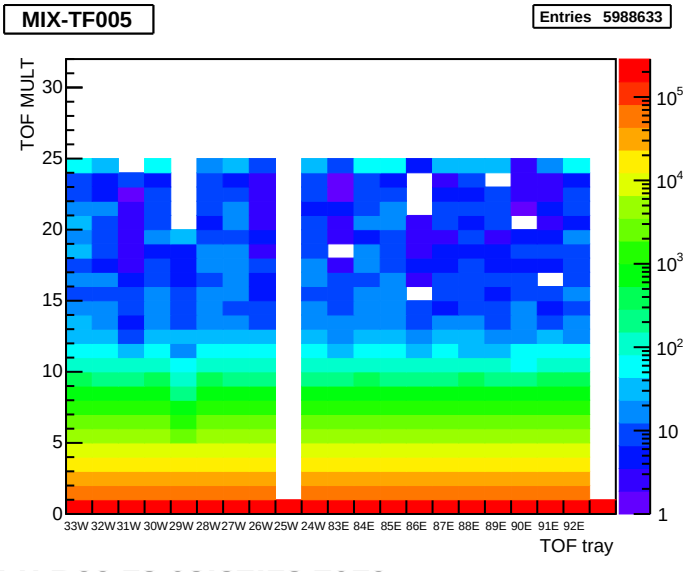

BunchId7Bit (TOFmult window)
Entries 11411
10^2
10
1
0
20
40
60
80
100
120

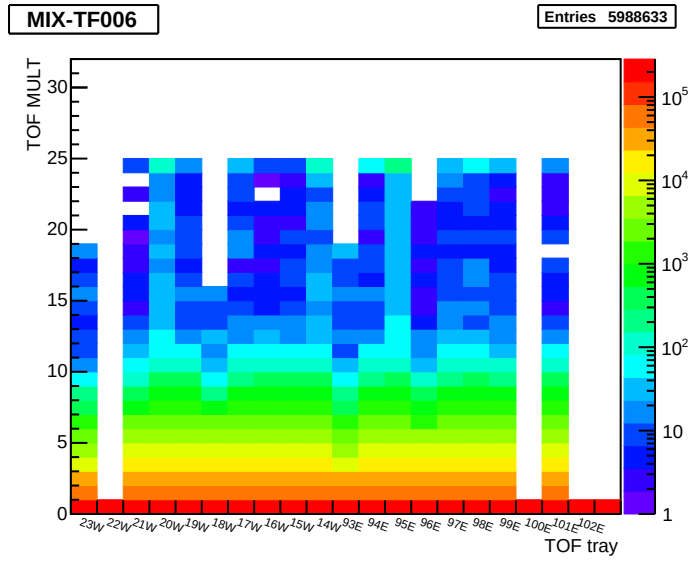

MIX-TF001
Entries 5988633
TOF MULT
TOF tray

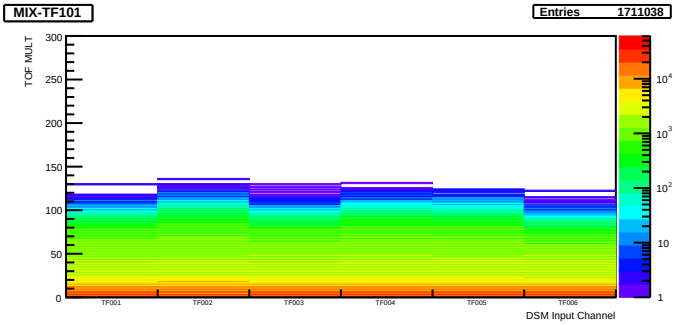

MIX-TF002
Entries 5988633
TOF MULT
TOF tray

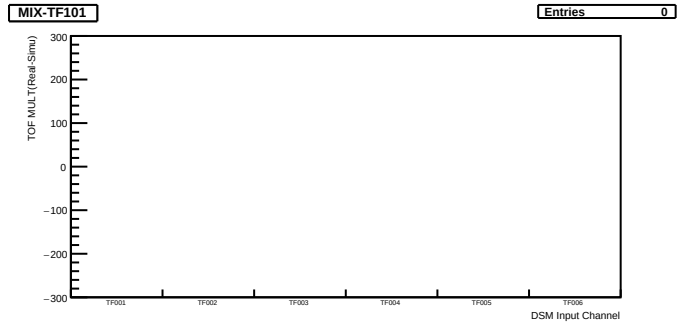

MIX-TF003
Entries 5988633
TOF MULT
TOF tray

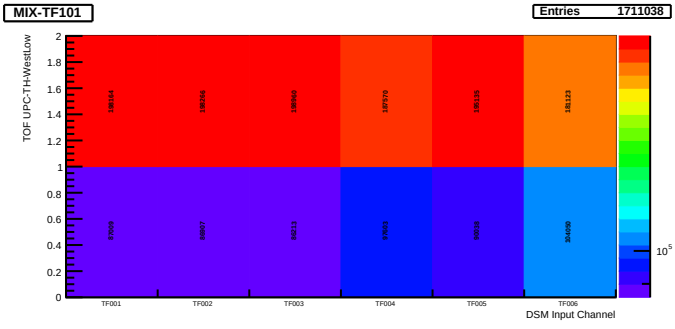

MIX-TF004
Entries 5988633
TOF MULT
TOF tray

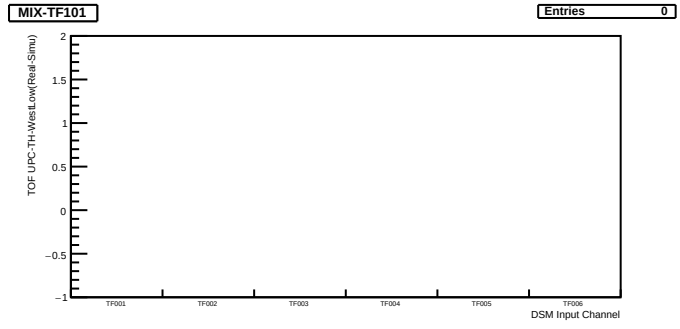

MIX-TF005
Entries 5988633
TOF MULT
TOF tray

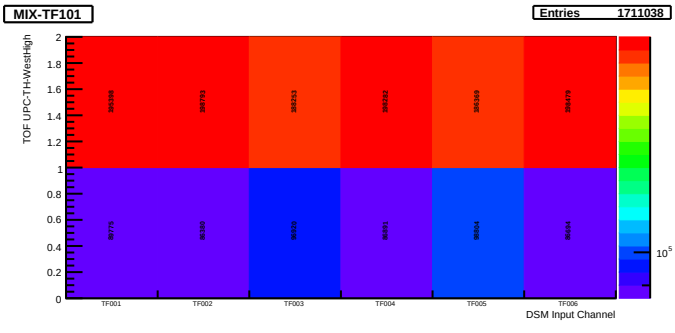

MIX-TF006
Entries 5988633
TOF MULT
TOF tray

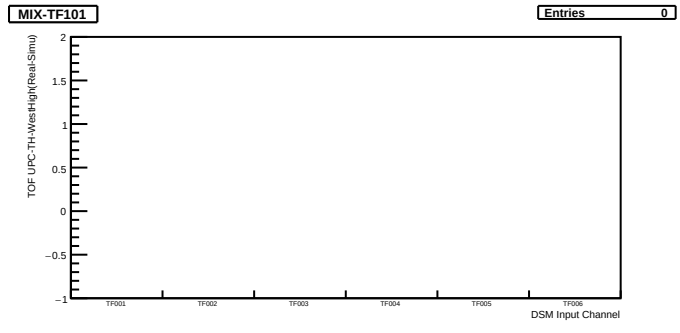

MIX-TF101
Entries 1711038
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

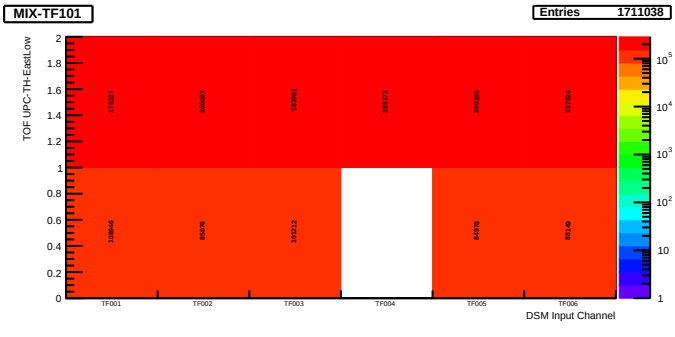

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

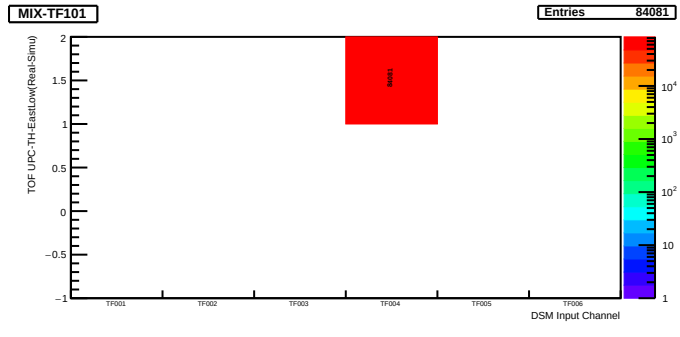

MIX-TF101
Entries 1711038
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

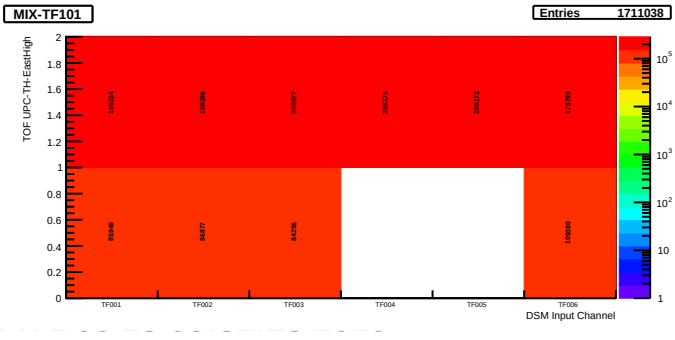

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

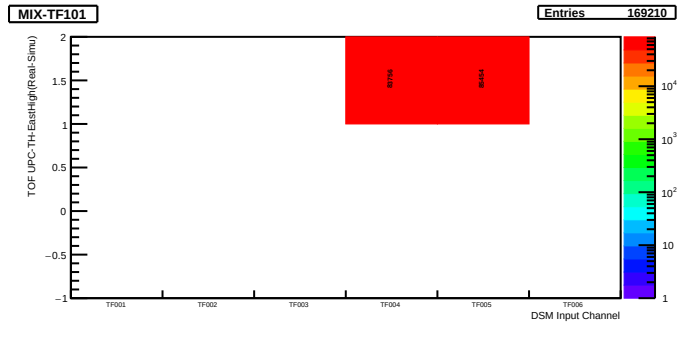

MIX-TF101
Entries 1711038
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

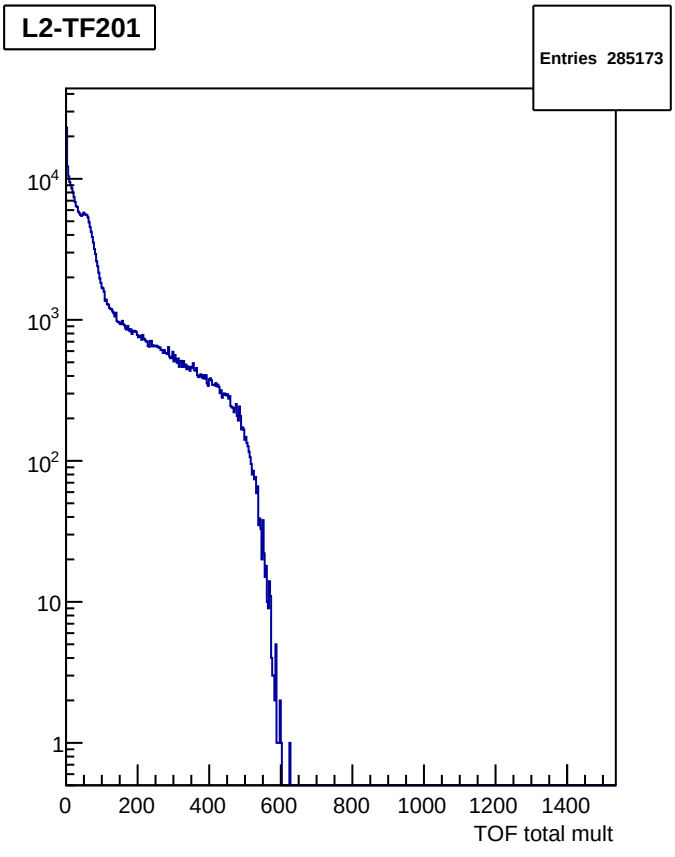

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

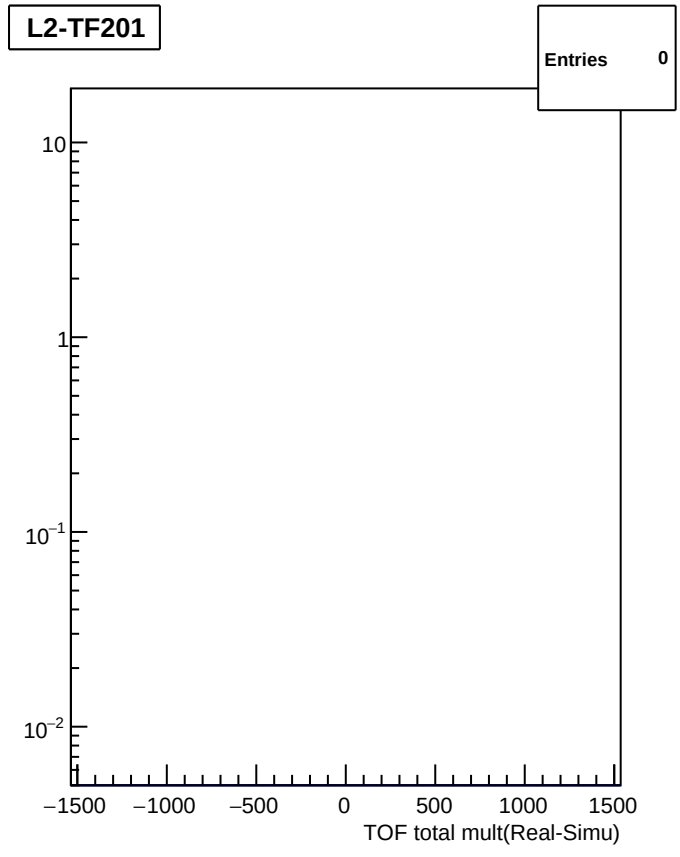

MIX-TF101
Entries 1711038
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

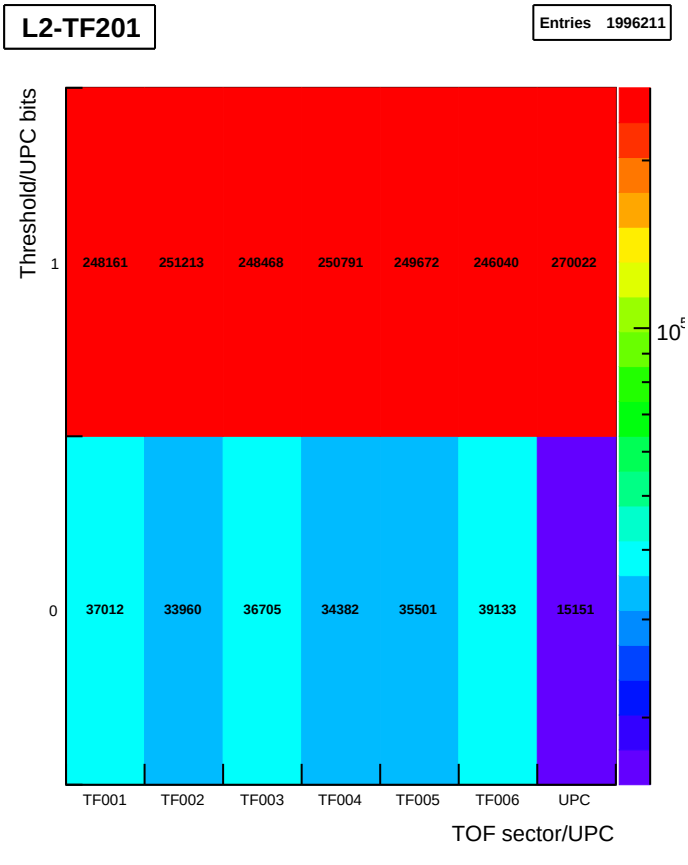

MIX-TF101
Entries 84081
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

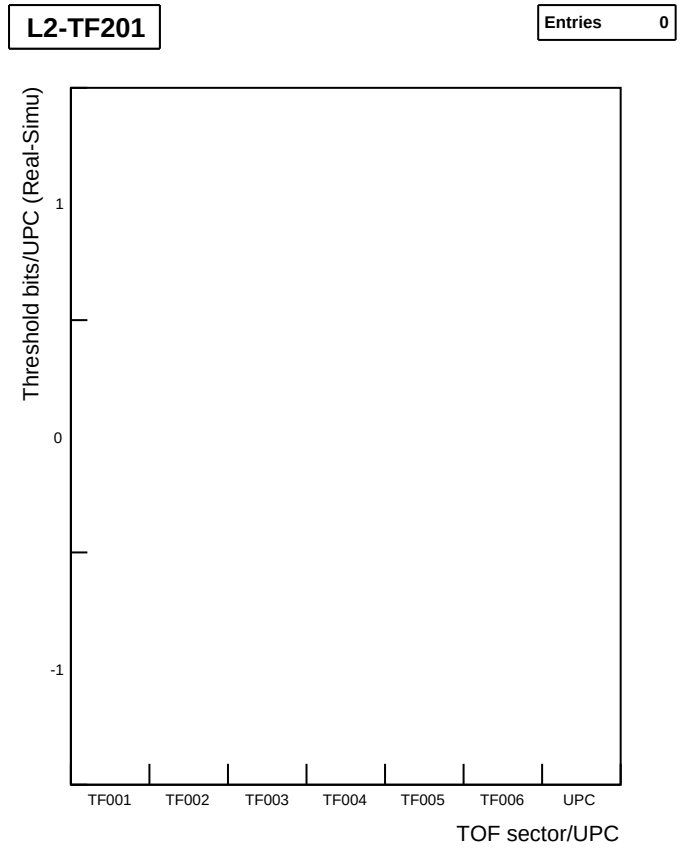

MIX-TF101
Entries 1711038
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

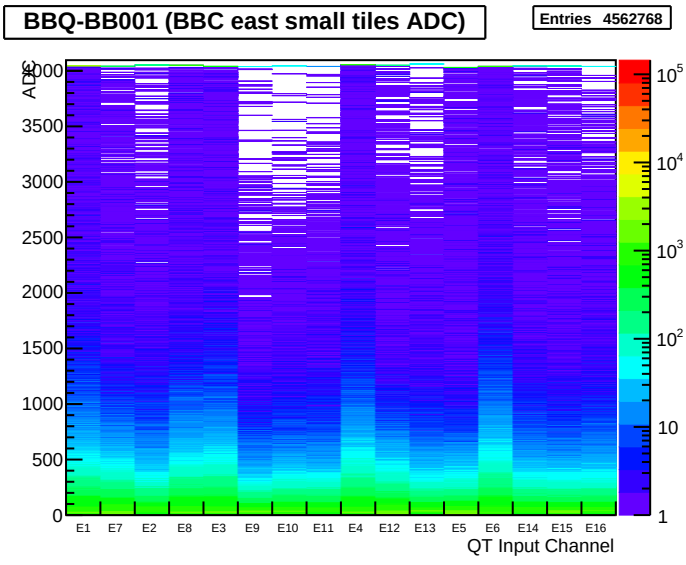

MIX-TF101
Entries 169210
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

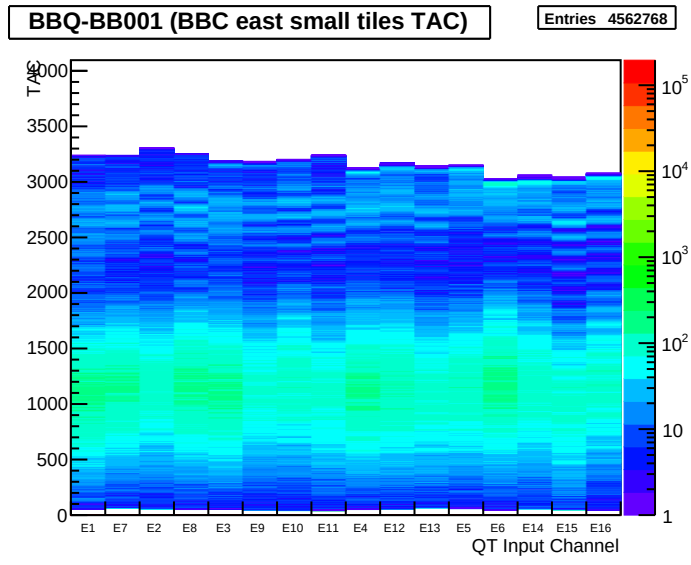

L2-TF201
Entries 285173
TOF total mult

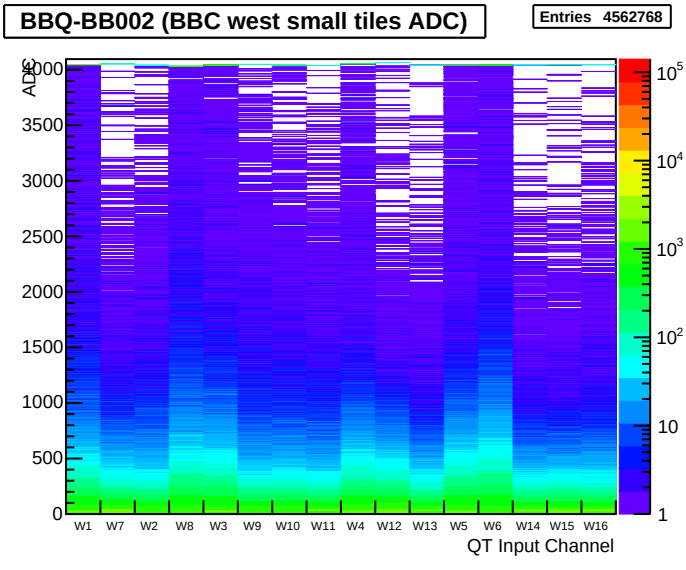

L2-TF201
Entries 0
TOF total mult(Real-Simu)

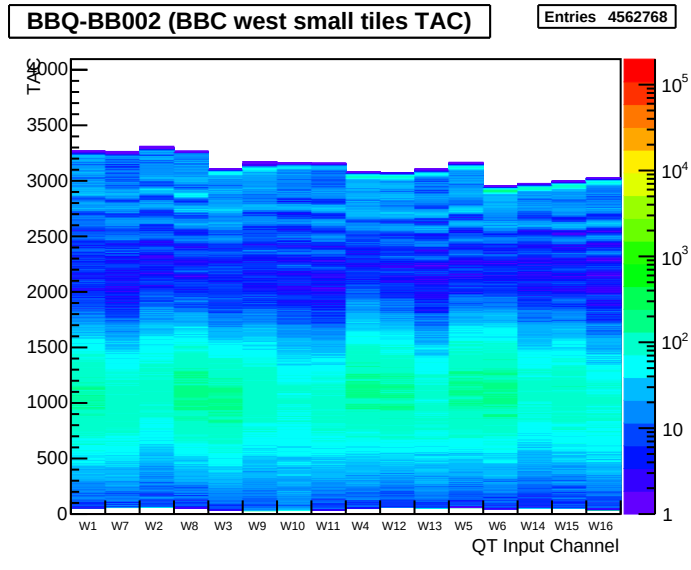

L2-TF201
Entries 1996211
Threshold/UPC bits
248161
251213
248468
250791
249672
246040
270022
37012
33960
36705
34382
35501
39133
15151
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

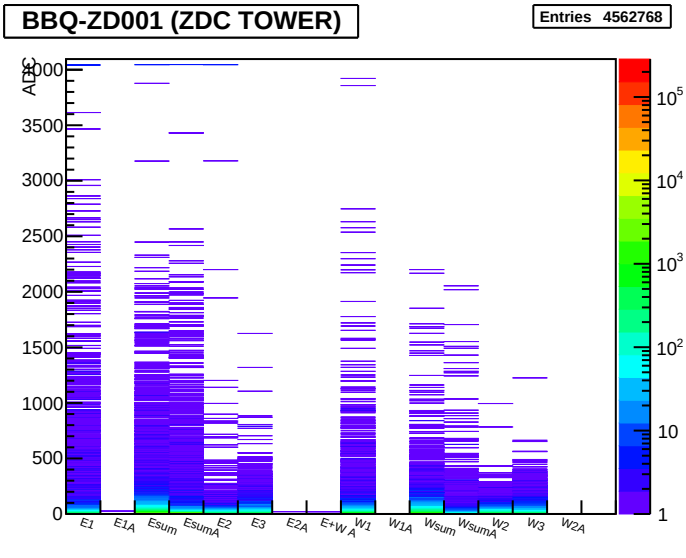

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

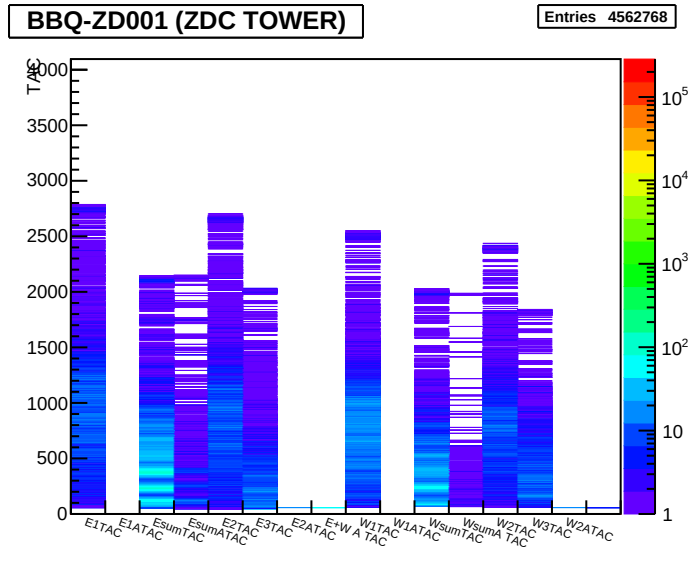

BBQ-BB001 (BBC east small tiles ADC)
Entries 4562768
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

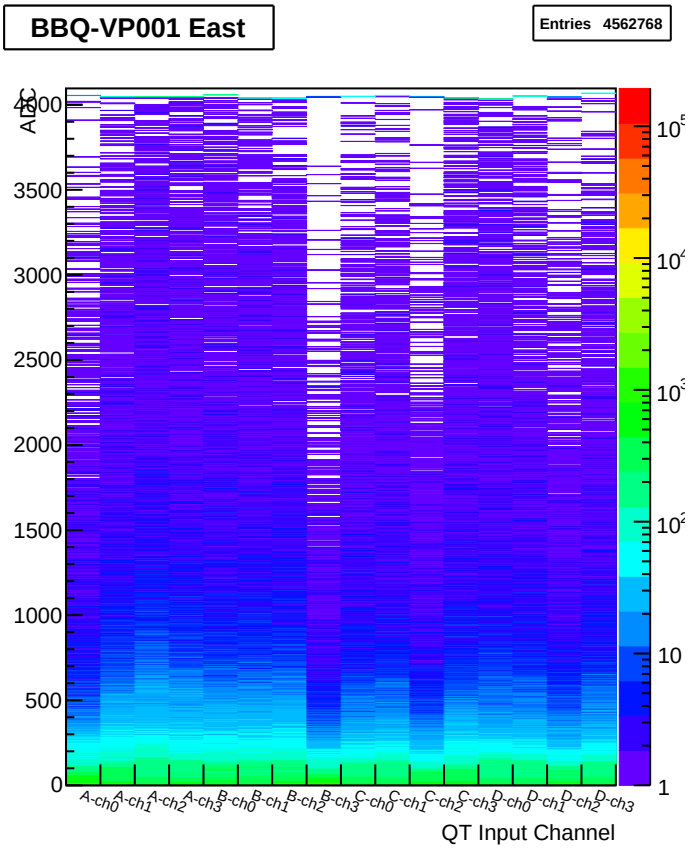

BBQ-BB001 (BBC east small tiles TAC)
Entries 4562768
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

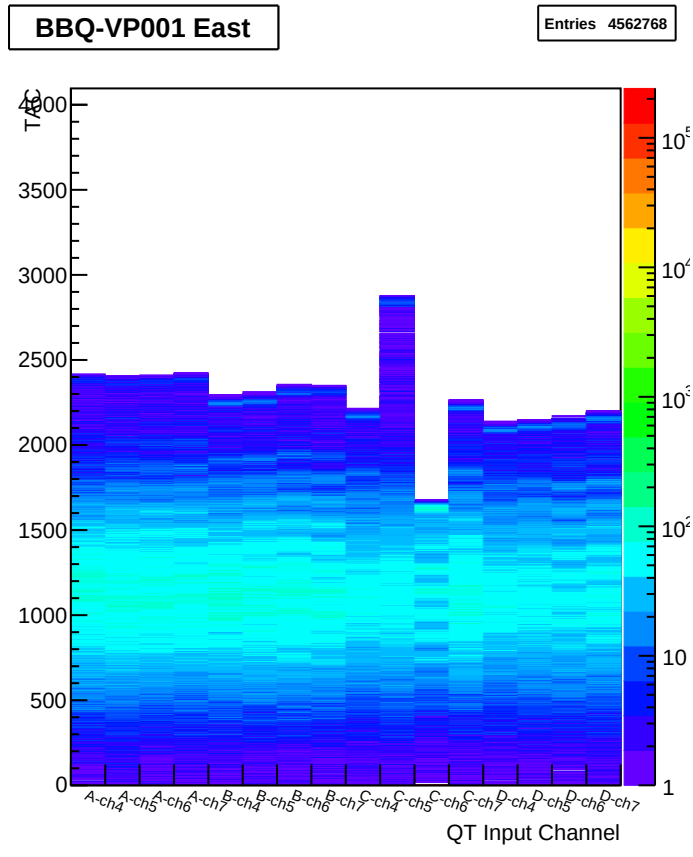

BBQ-BB002 (BBC west small tiles ADC)
Entries 4562768
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

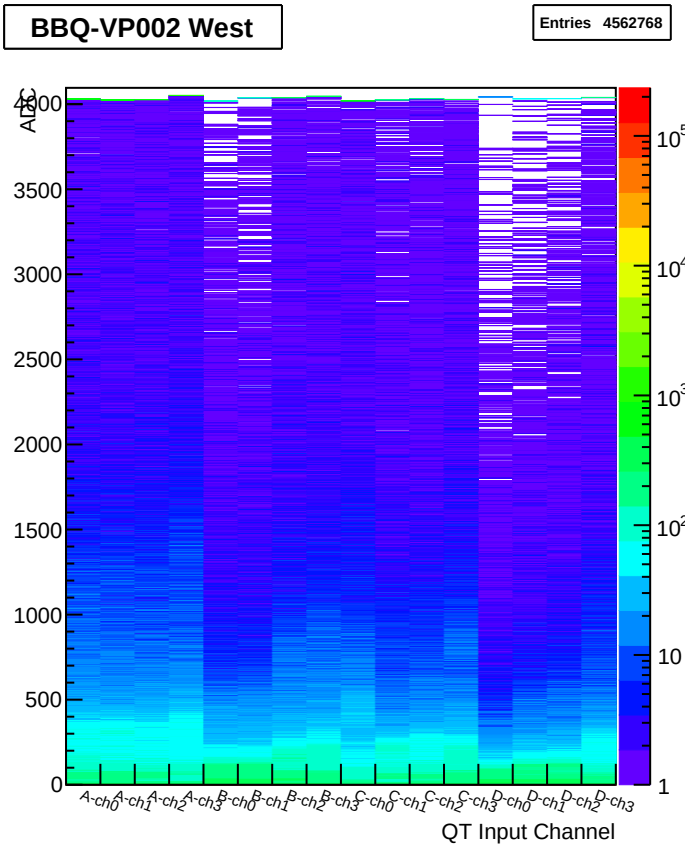

BBQ-BB002 (BBC west small tiles TAC)
Entries 4562768
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

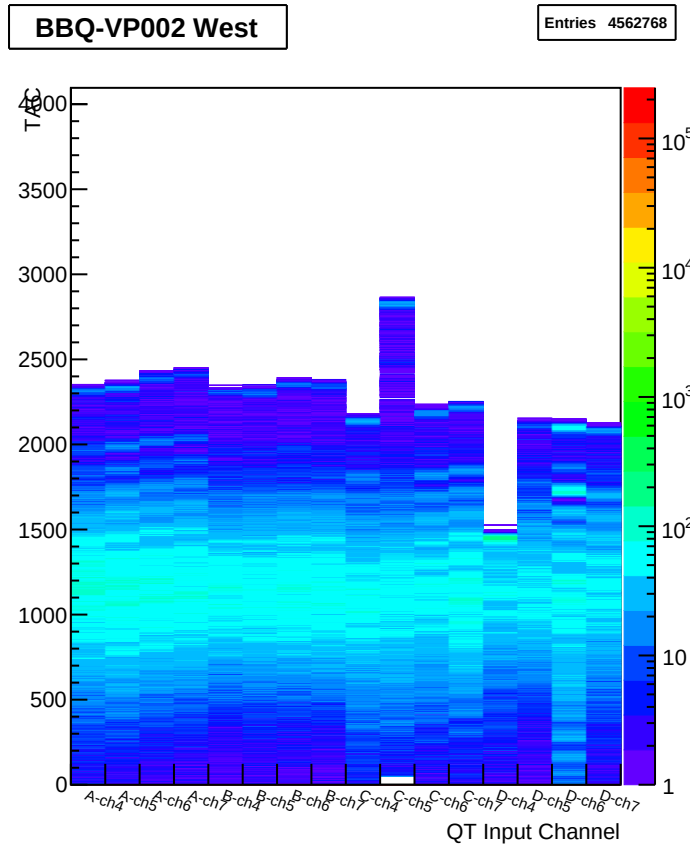

BBQ-ZD001 (ZDC TOWER)
Entries 4562768
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

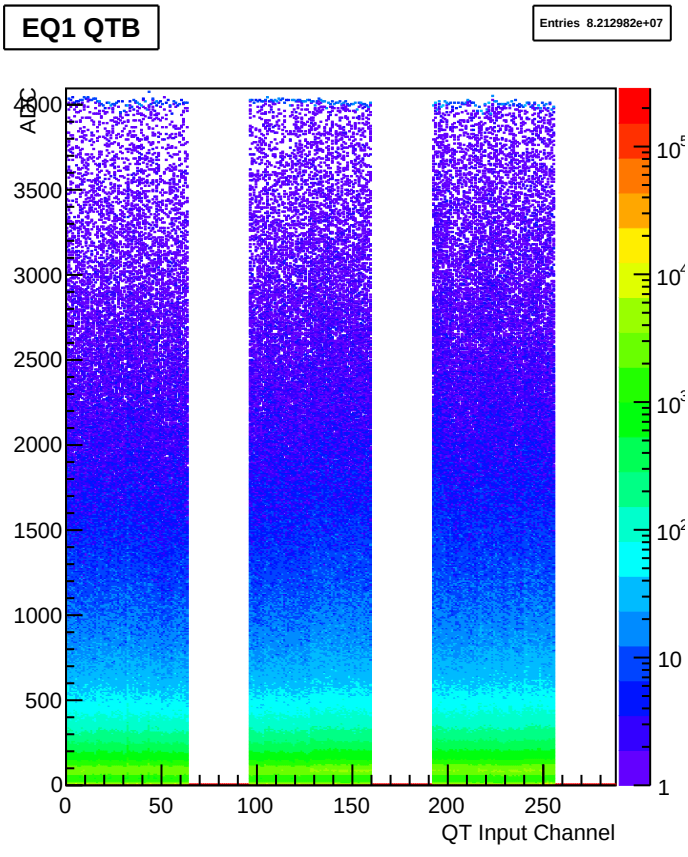

BBQ-ZD001 (ZDC TOWER)
Entries 4562768
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

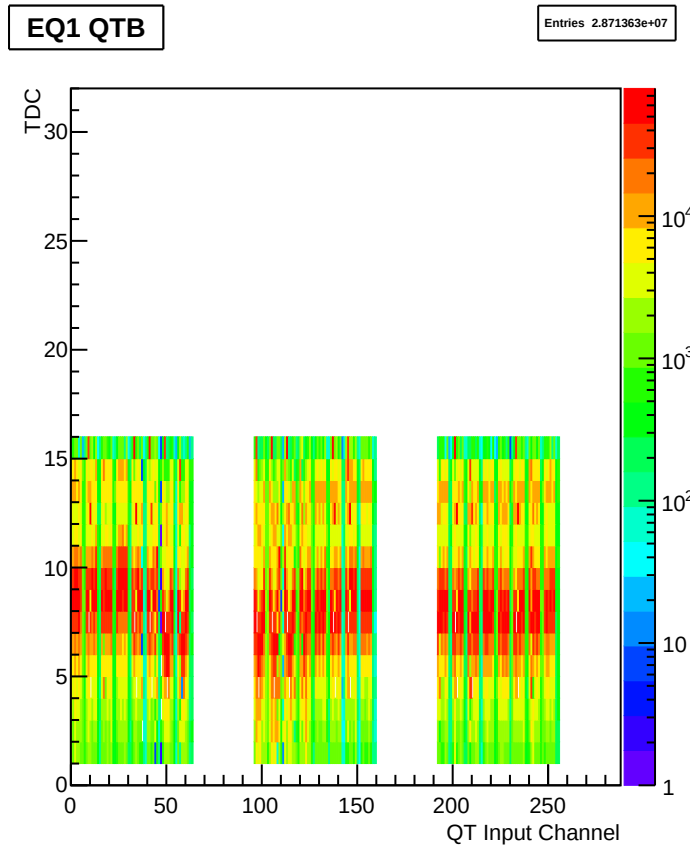

BBQ-VP001 East
Entries 4562768
ADC
QT Input Channel

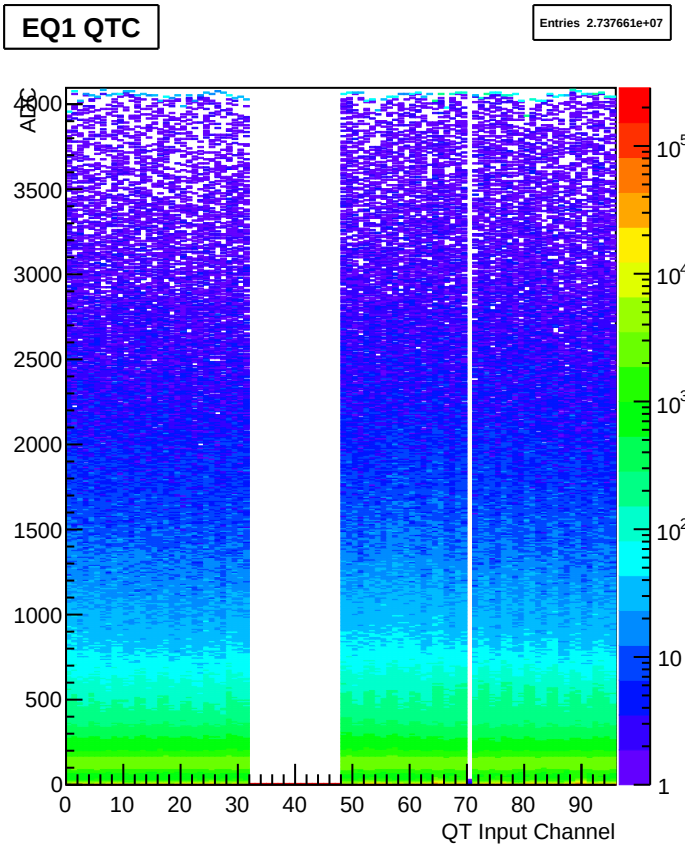

BBQ-VP001 East
Entries 4562768
TADC
QT Input Channel

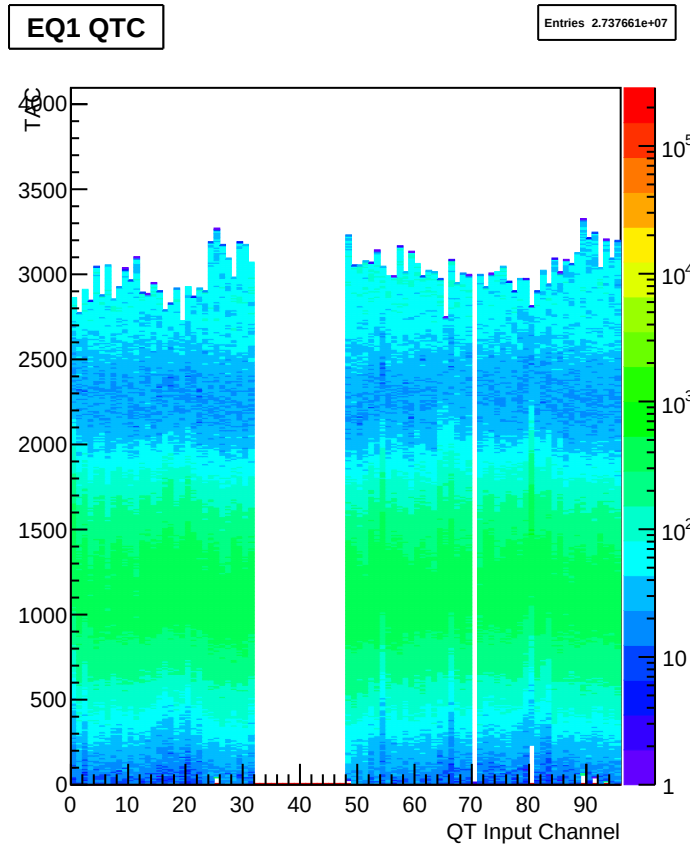

BBQ-VP002 West
Entries 4562768
ADC
QT Input Channel

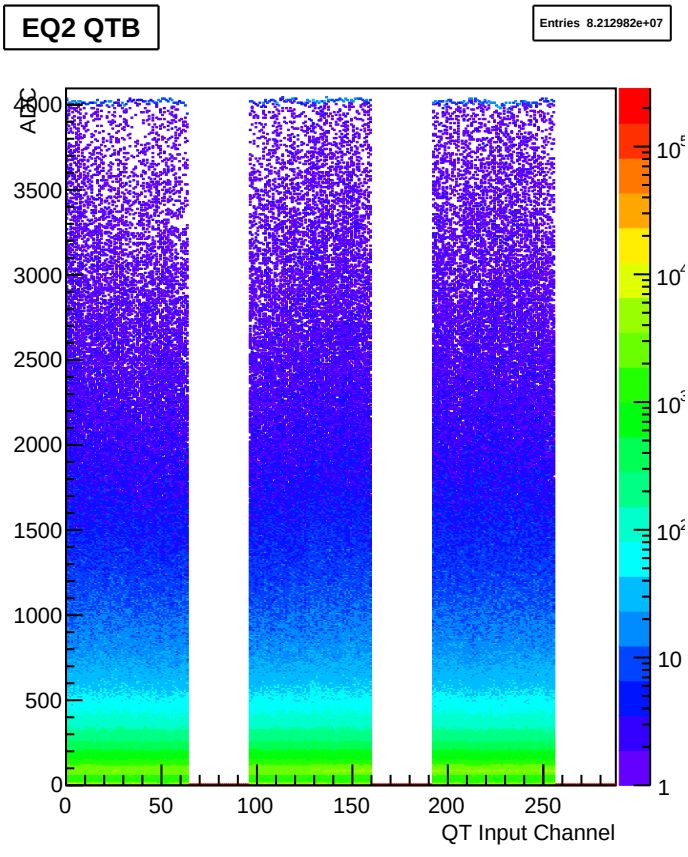

BBQ-VP002 West
Entries 4562768
TADC
QT Input Channel

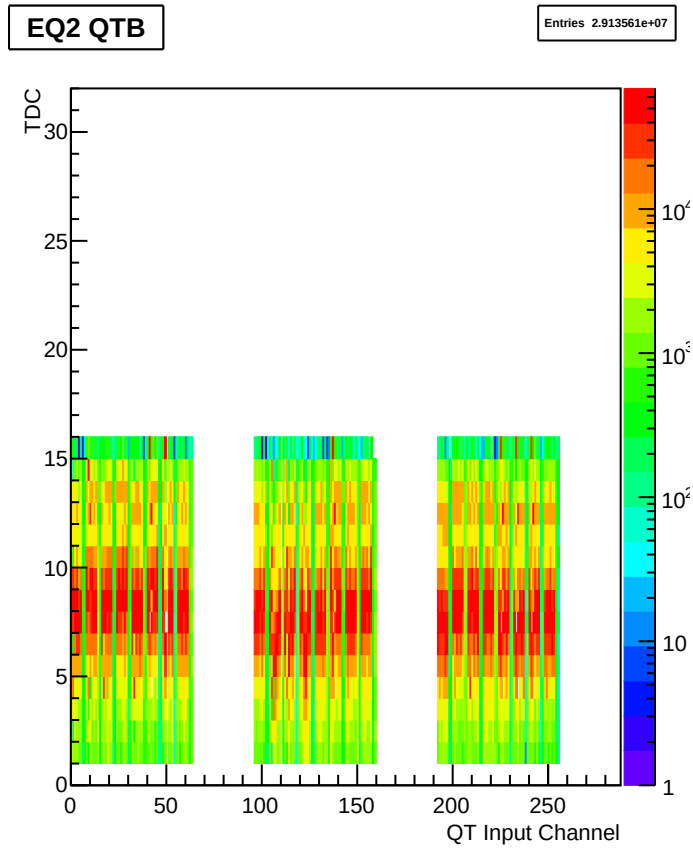

EQ1 QTB
Entries 8.212982e+07
ADC
QT Input Channel

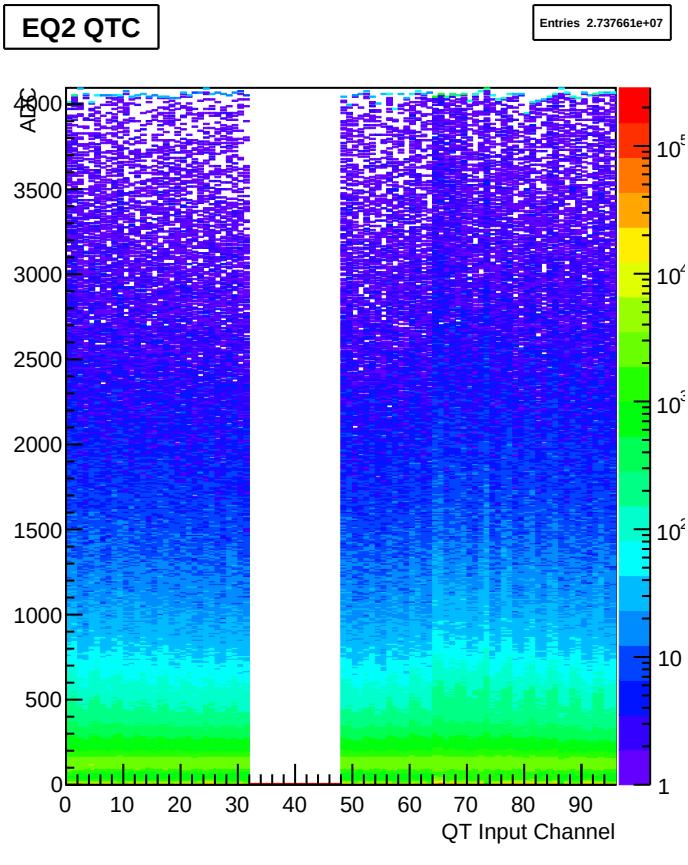

EQ1 QTB
Entries 2.871363e+07
TDC
QT Input Channel

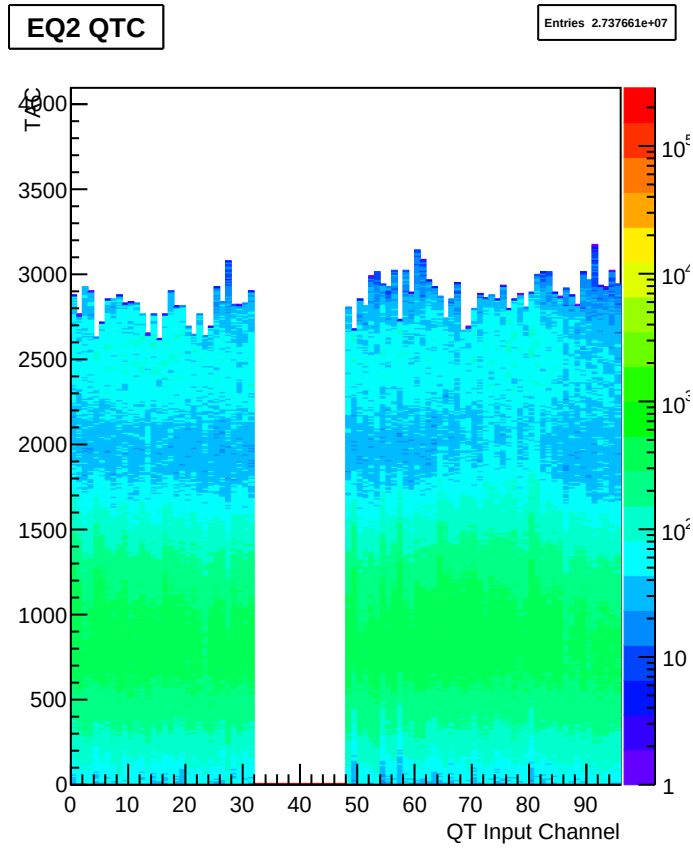

EQ1 QTC
Entries 2.737661e+07
ADC
QT Input Channel

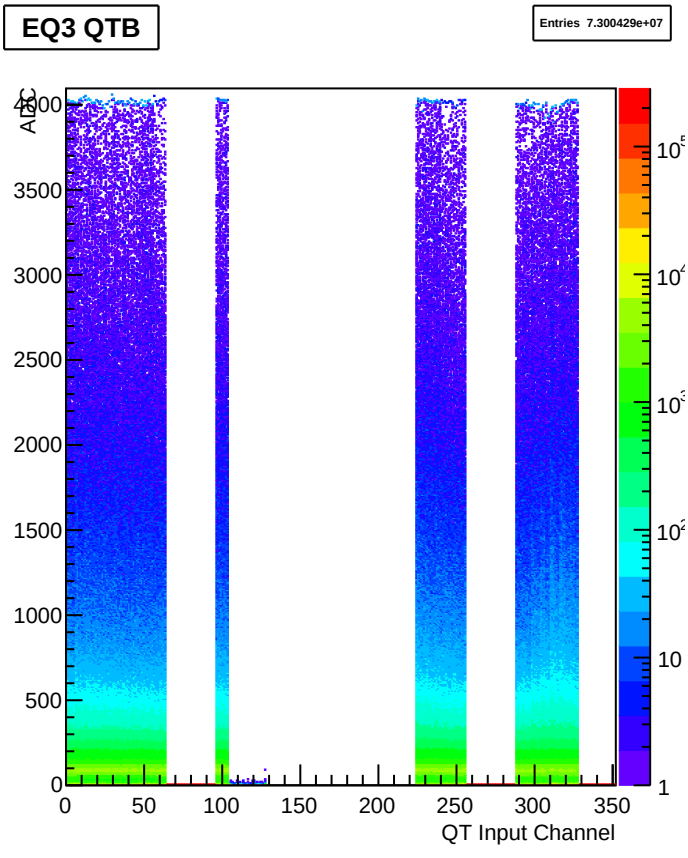

EQ1 QTC
Entries 2.737661e+07
TADC
QT Input Channel

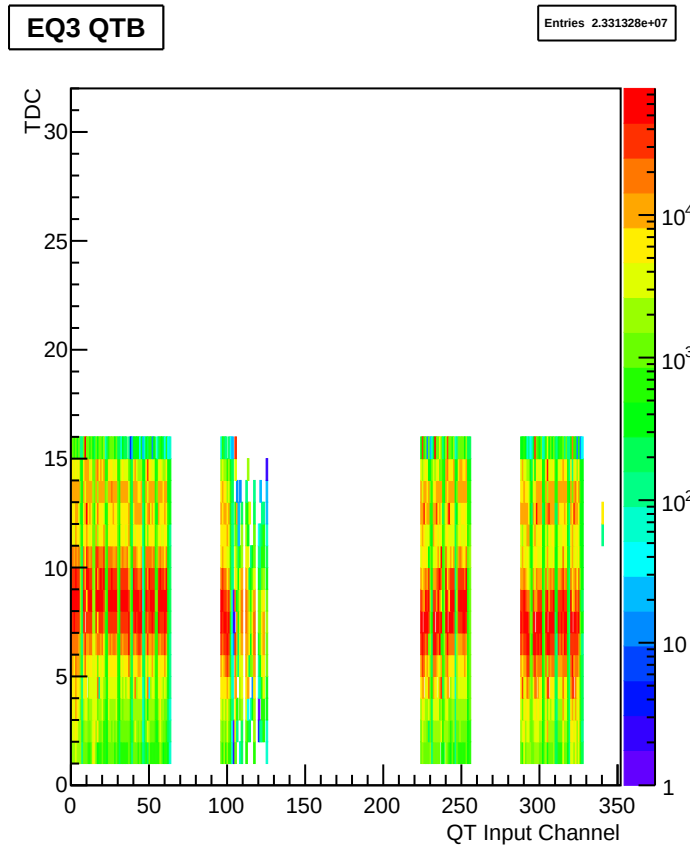

EQ2 QTB
Entries 8.212982e+07
ADC
QT Input Channel

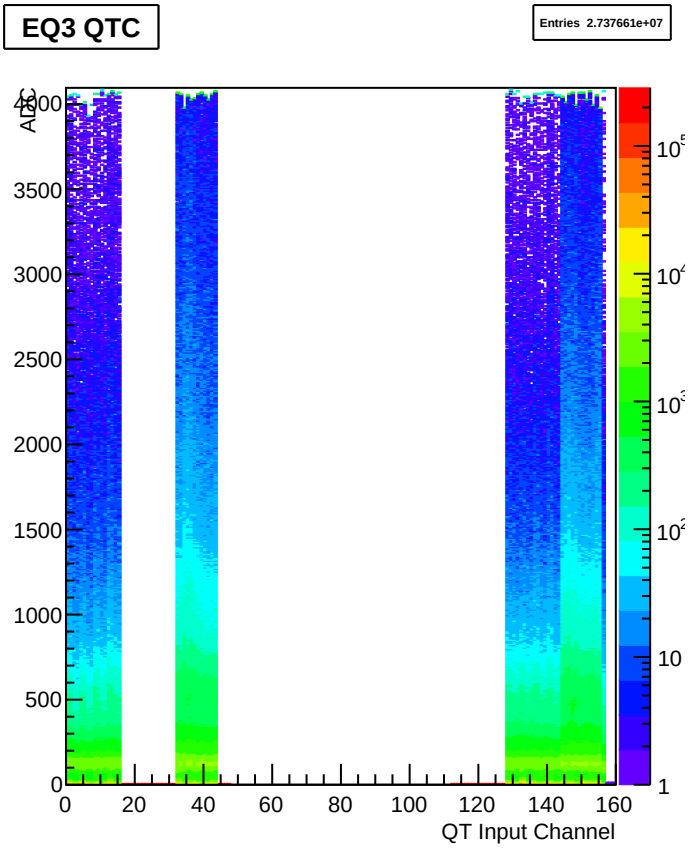

EQ2 QTB
Entries 2.913561e+07
TDC
QT Input Channel

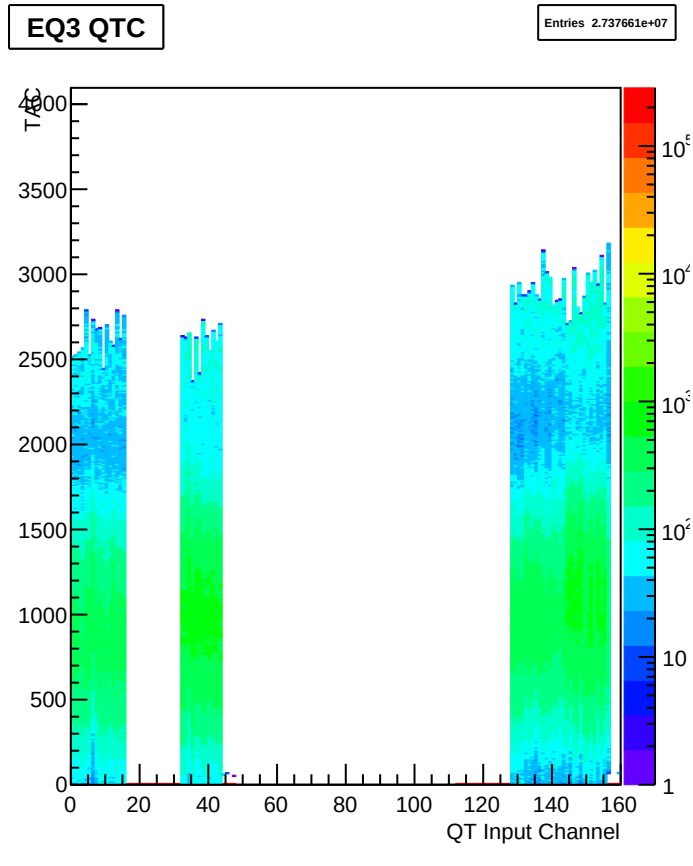

EQ2 QTC
Entries 2.737661e+07
ADC
QT Input Channel

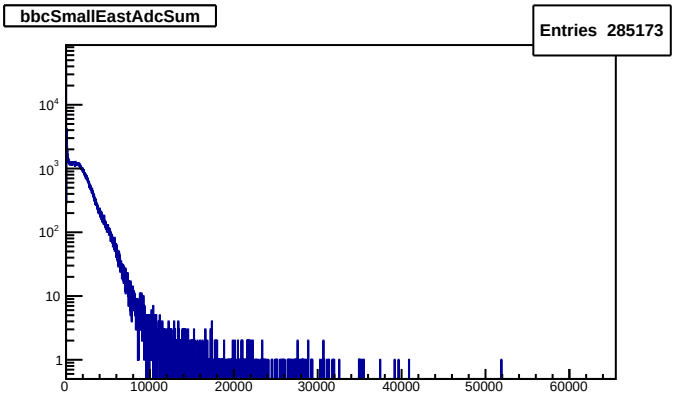

EQ2 QTC
Entries 2.737661e+07
TADC
QT Input Channel

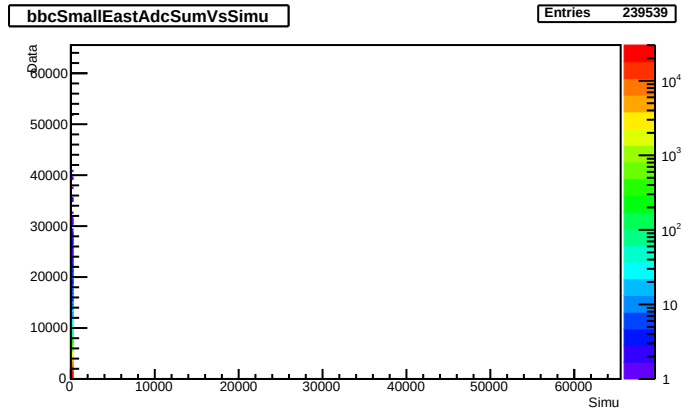

EQ3 QTB
Entries 7.300429e+07
ADC
QT Input Channel

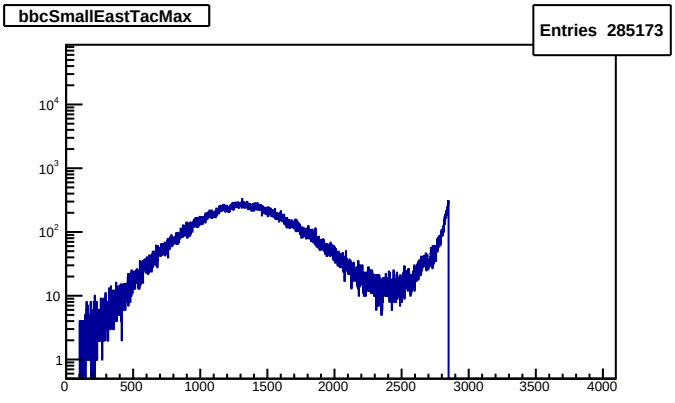

EQ3 QTB
Entries 2.331328e+07
TDC
QT Input Channel

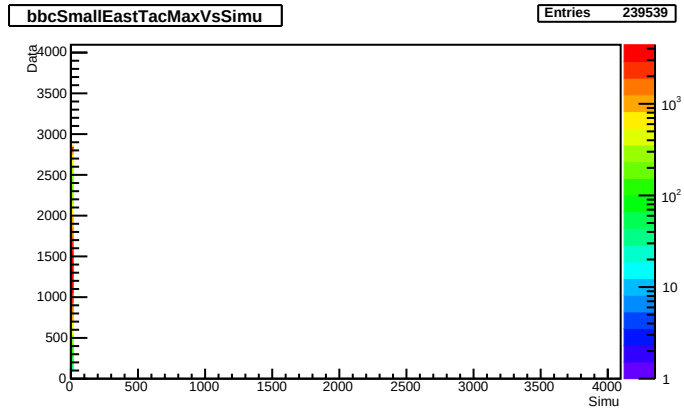

EQ3 QTC
Entries 2.737661e+07
ADC
QT Input Channel


EQ3 QTC
Entries 2.737661e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 285173


bbcSmallEastAdcSumVsSimu
Entries 239539
Data
Simu


bbcSmallEastTacMax
Entries 285173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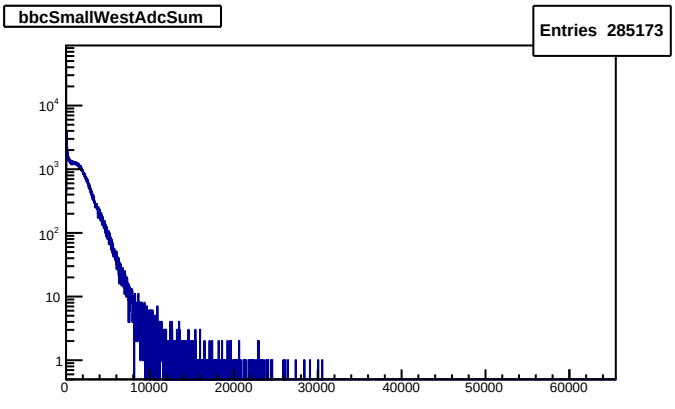
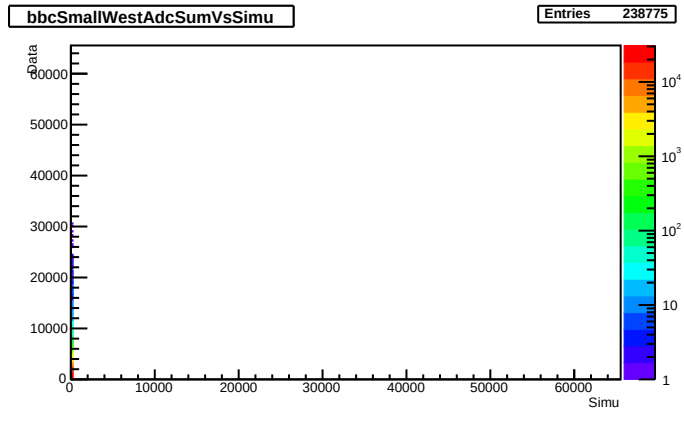
Entries 239539
Data
Simu


bbcSmallWestAdcSum
Entries 285173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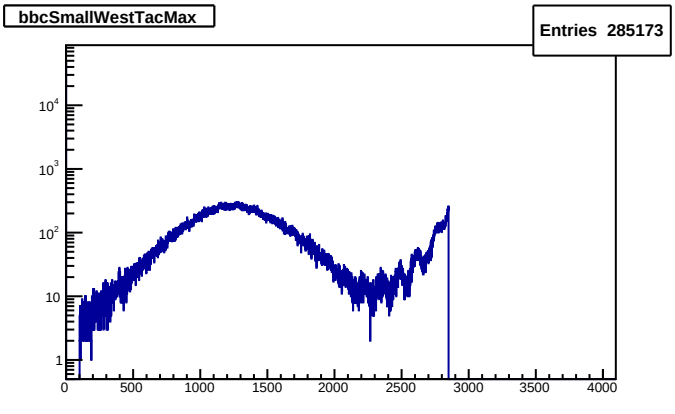
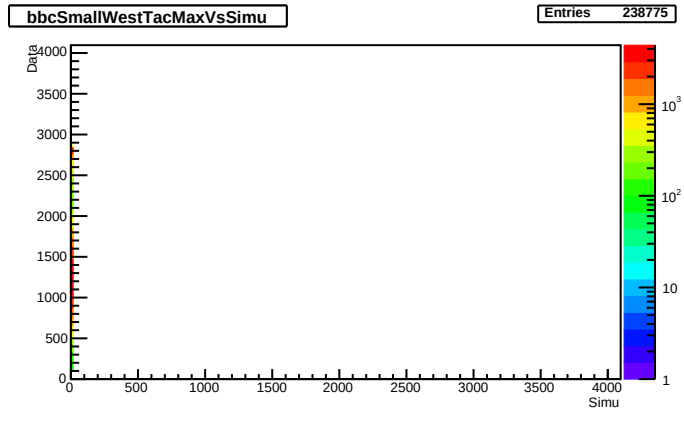
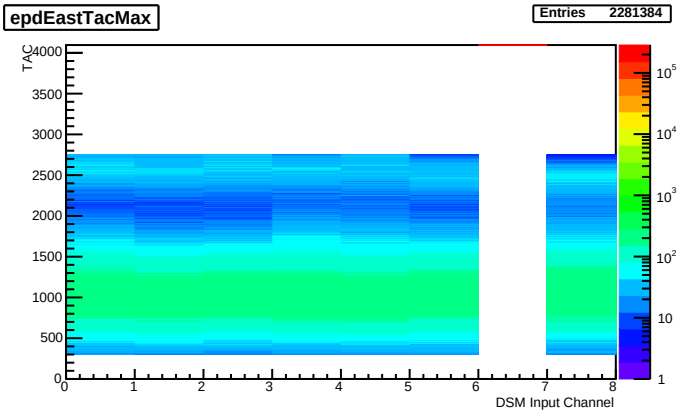
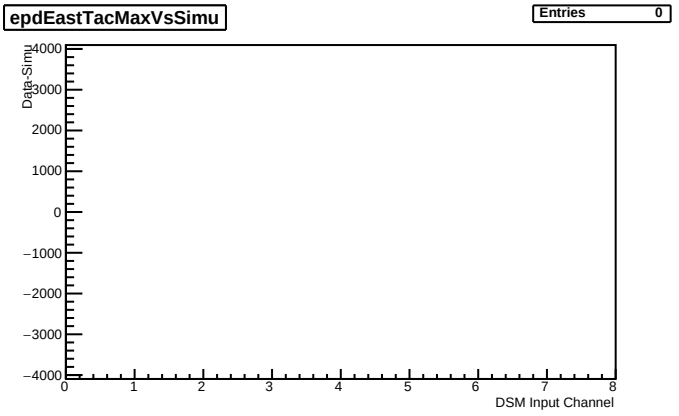
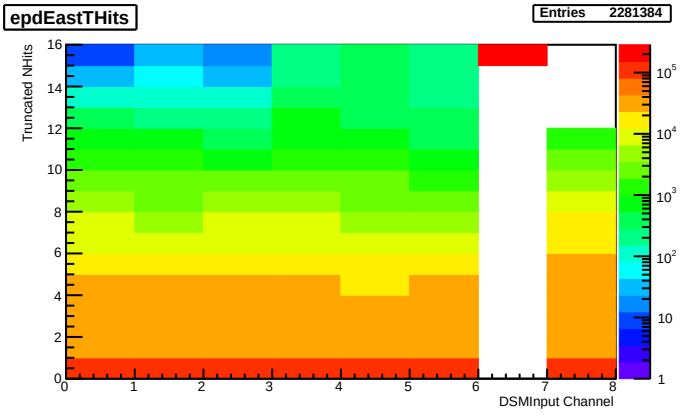
Entries 238775
Data
Simu

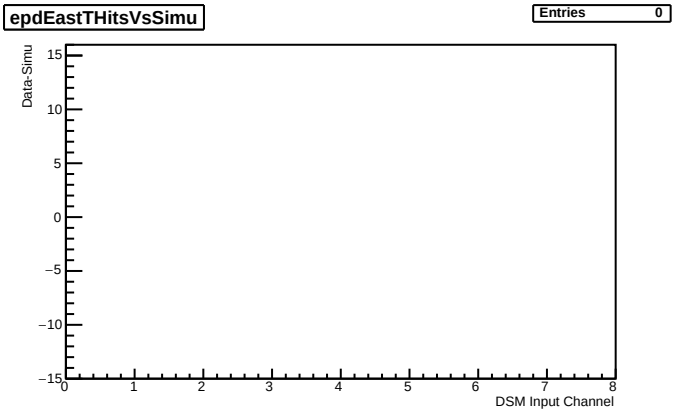

bbcSmallWestTacMax
Entries 285173


bbcSmallWestTacMaxVsSimu
Entries 238775
Data
Simu


epdEastTacMax
Entries 2281384
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2281384
Truncated NHits
DSMInput Channel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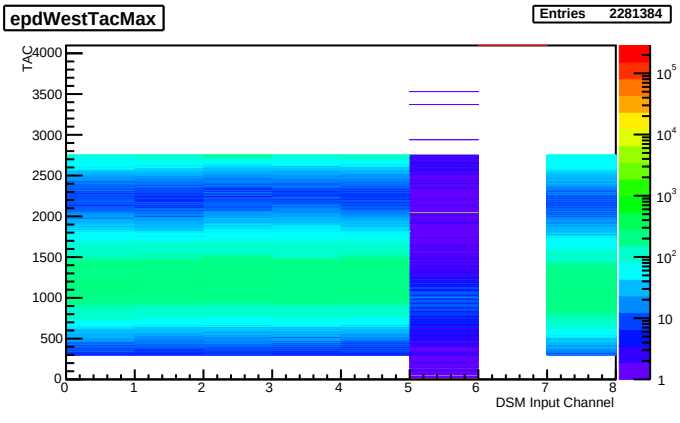
Data-Simu
DSM Input Channel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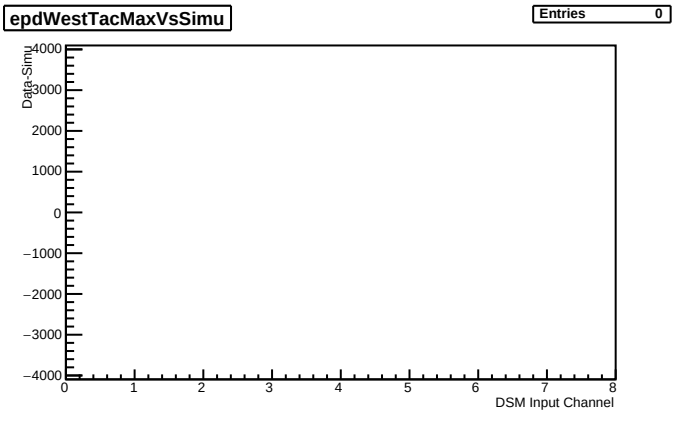
Entries 2281384
TAC
DSM Input Channel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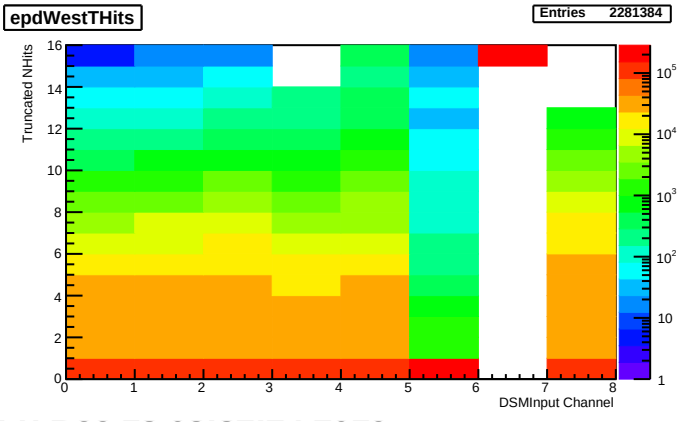
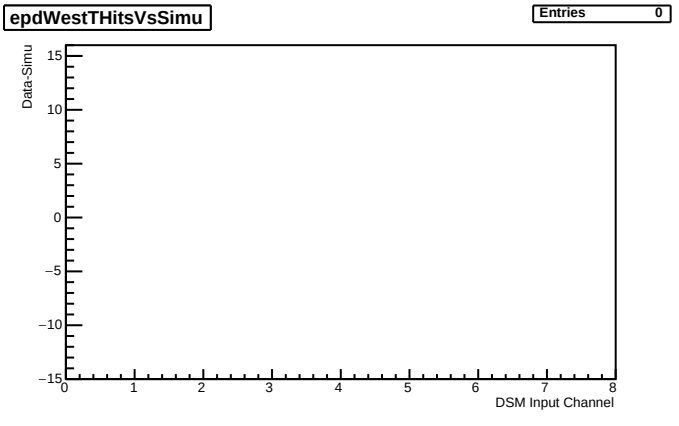
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2281384
Truncated NHits
DSMInput Channel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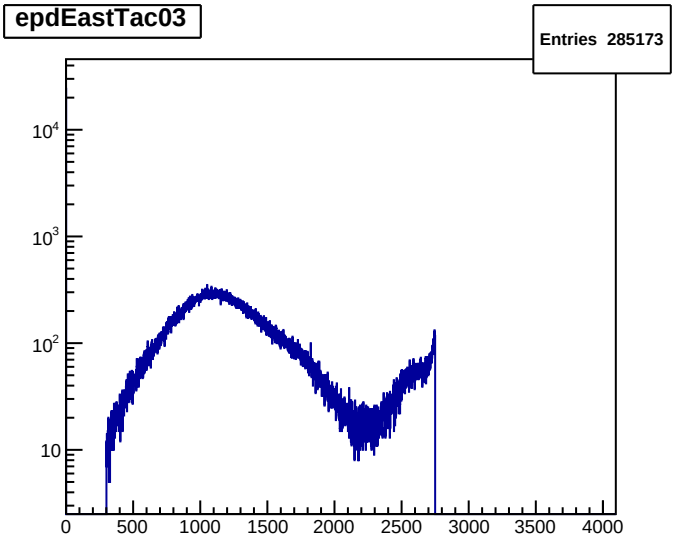
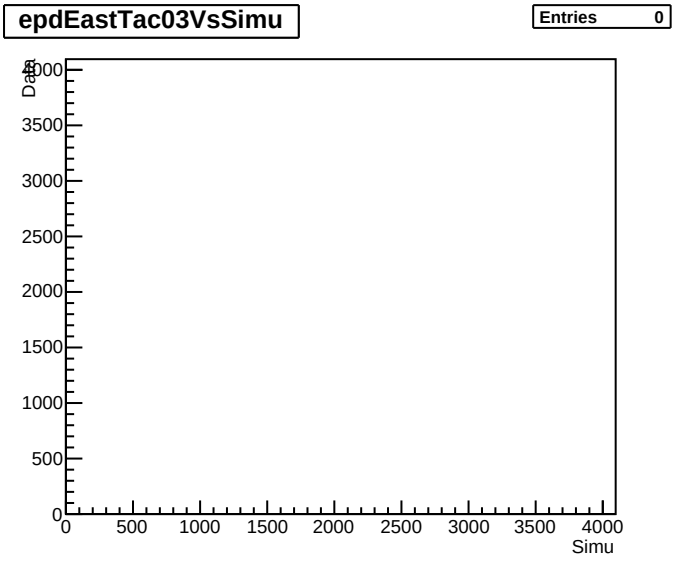
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 285173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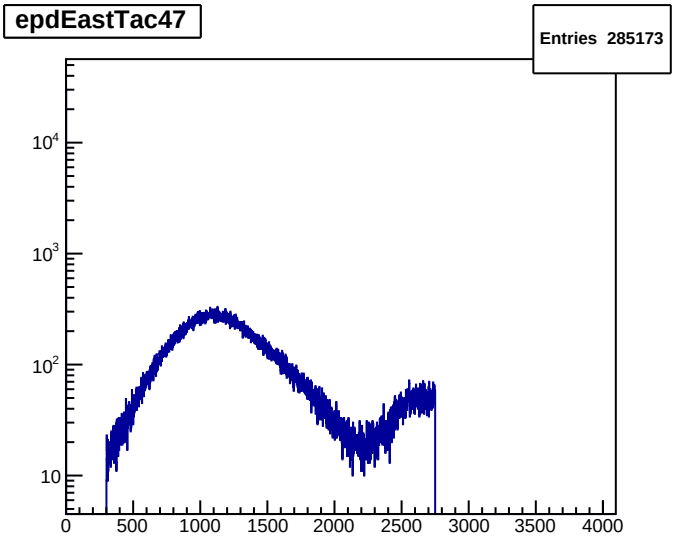
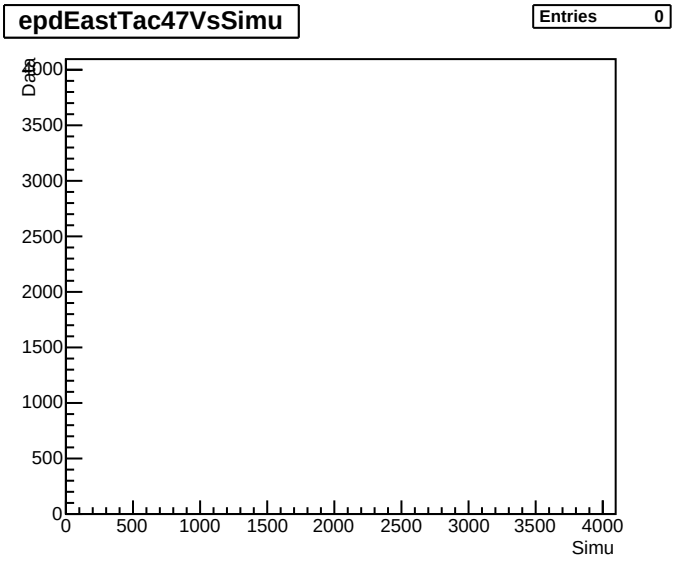
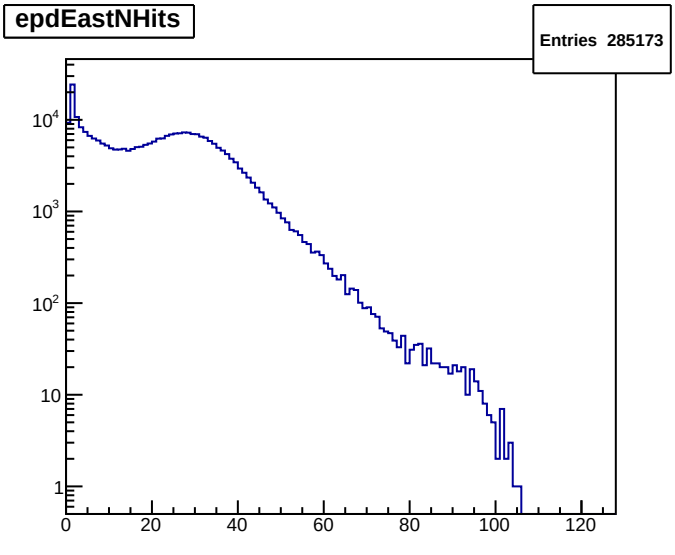
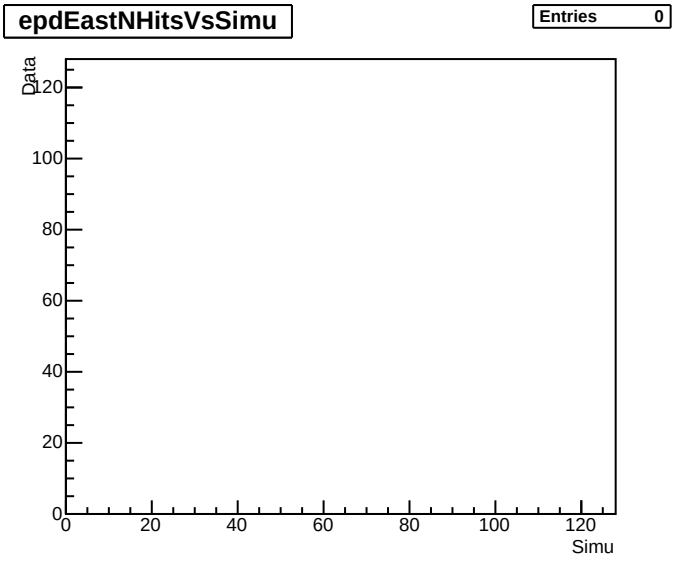
Entries 0
Data
Simu


epdEastTac47
Entries 285173


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 285173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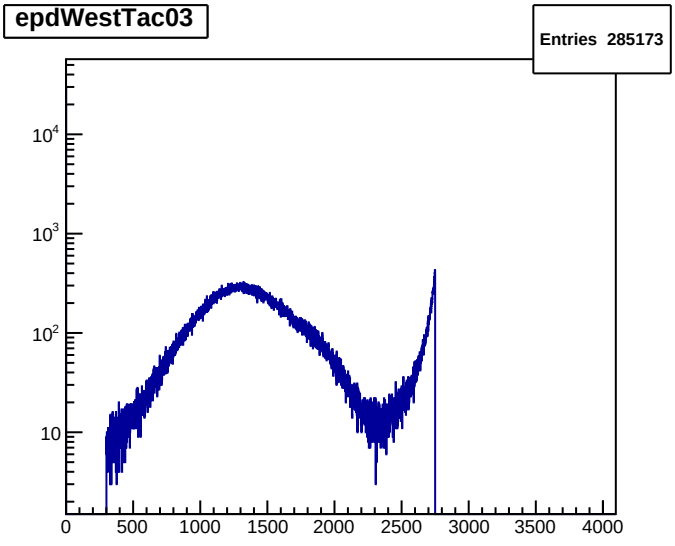
Entries 0
Data
Simu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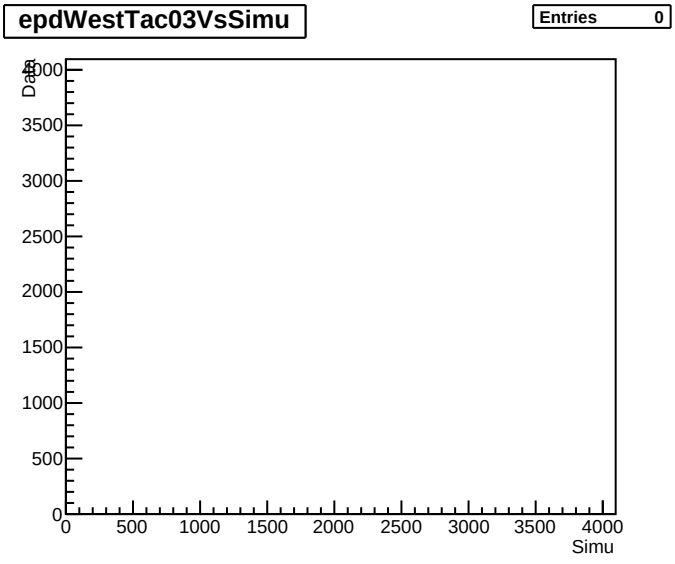
Entries 285173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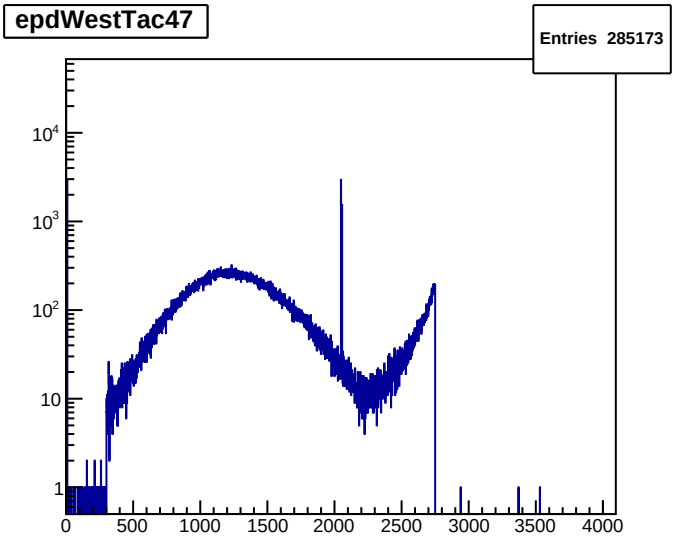
Entries 0
Data
Simu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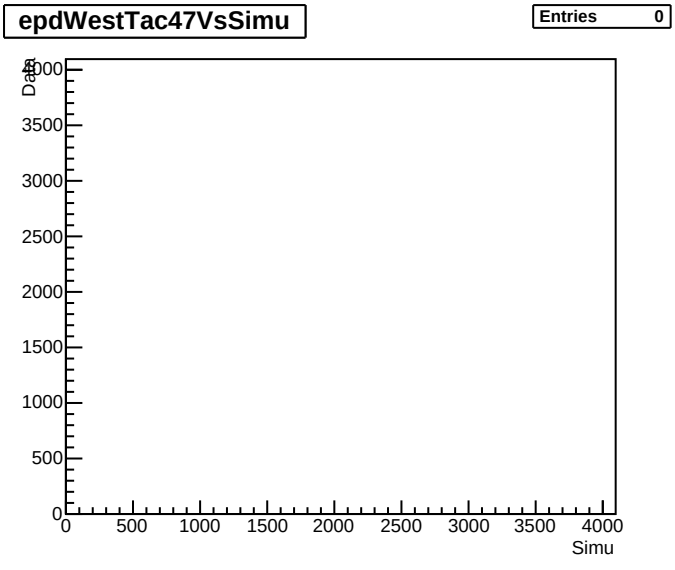
Entries 285173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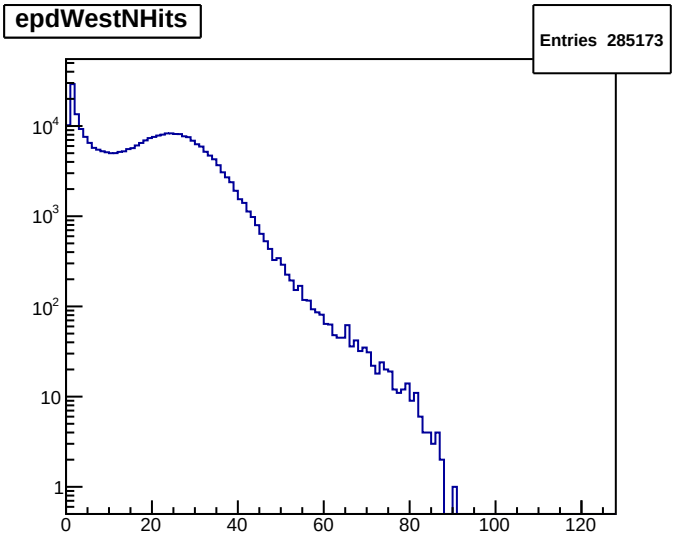
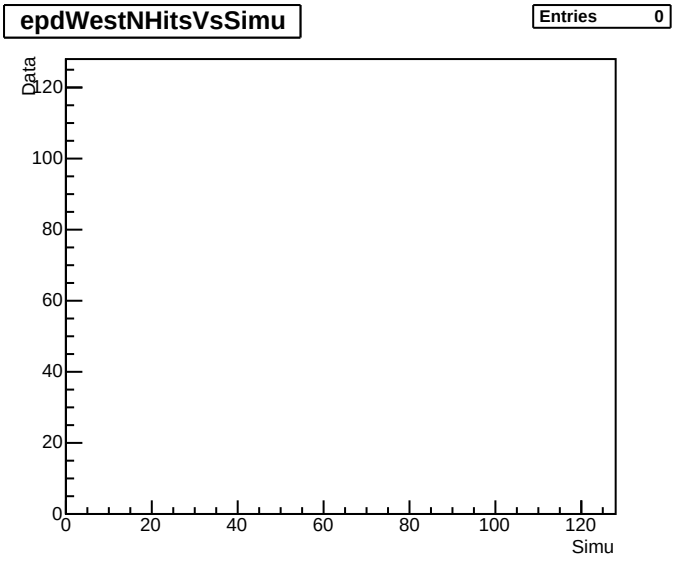
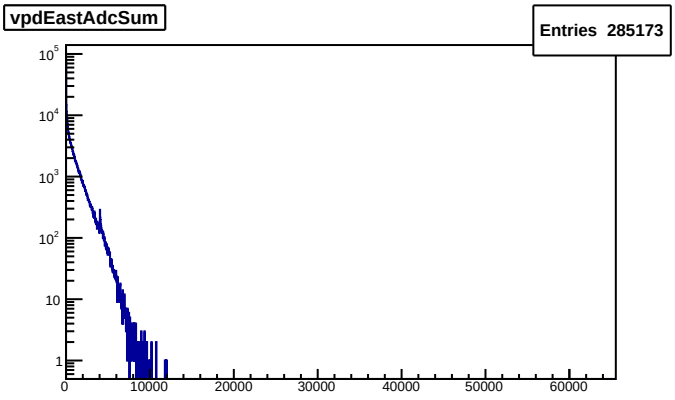
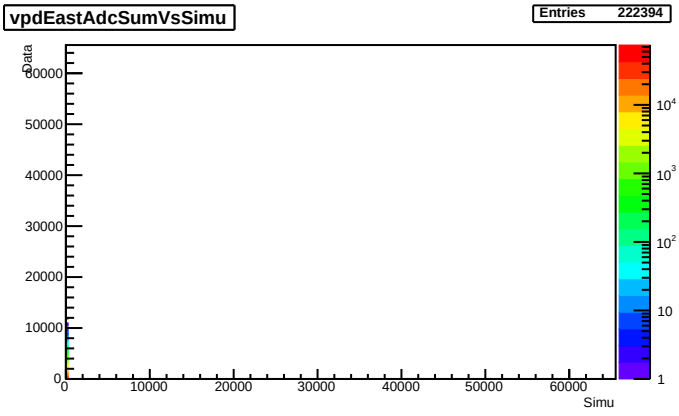
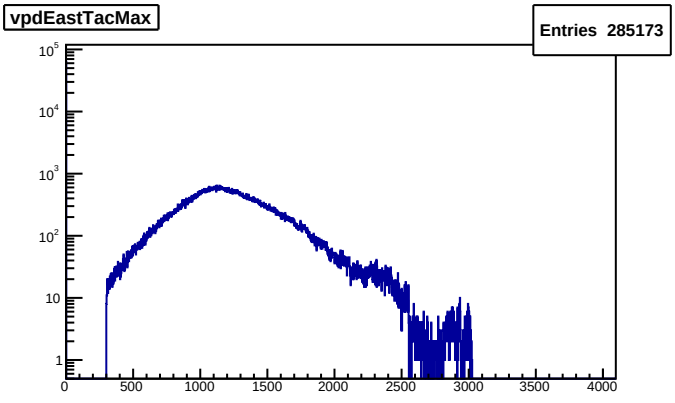
Entries 0
Data
Simu

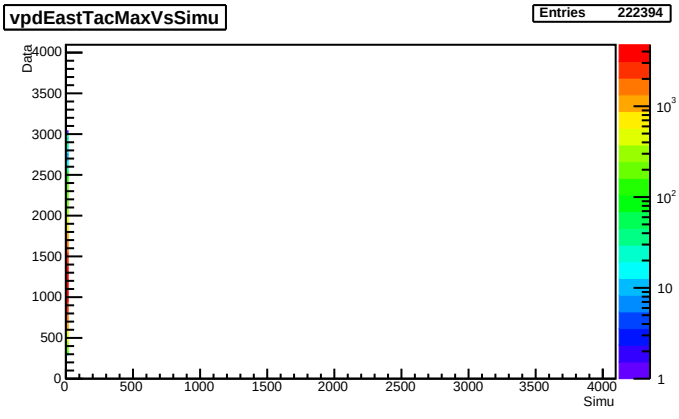

epdWestNHits
Entries 285173

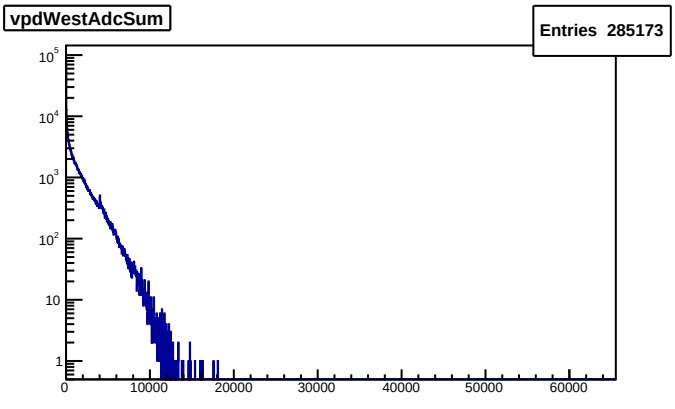

epdWestNHitsVsSimu
Entries 0
Data
Simu

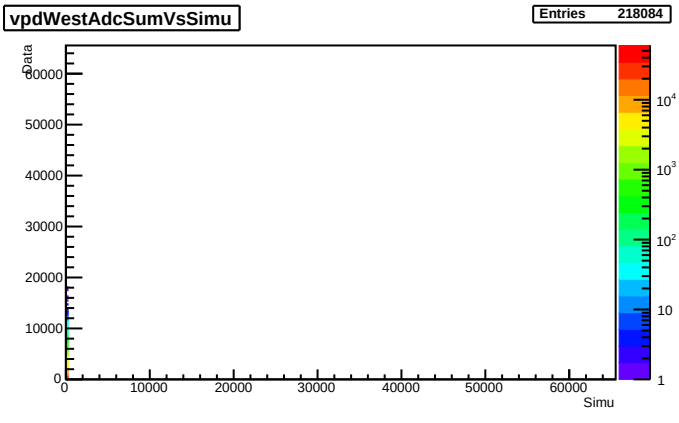

vpdEastAdcSum
Entries 285173

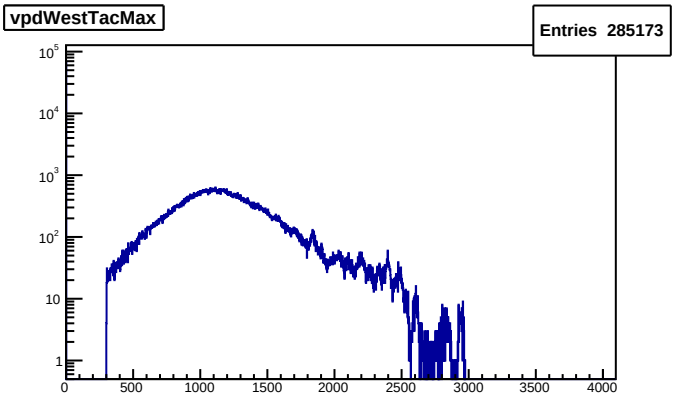

vpdEastAdcSumVsSimu
Entries 222394
Data
Simu

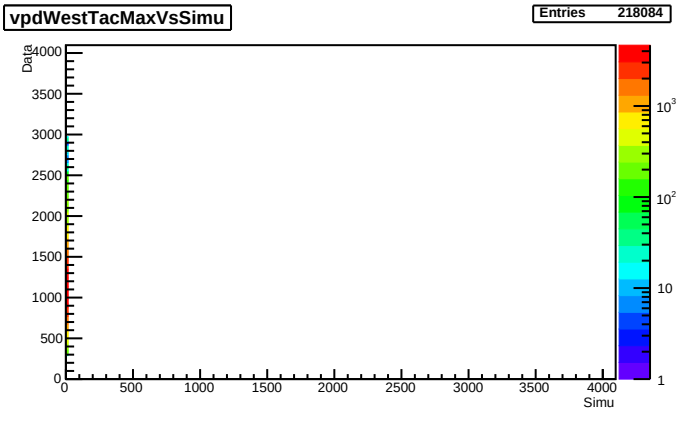

vpdEastTacMax
Entries 285173

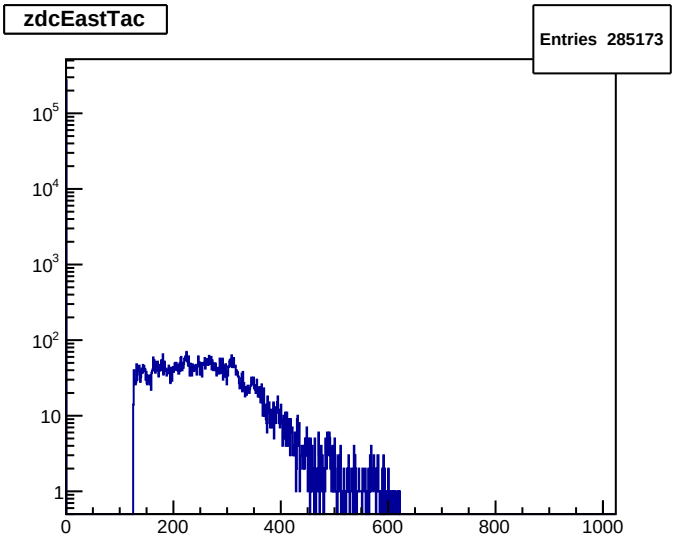

vpdEastTacMaxVsSimu
Entries 222394
Data
Simu

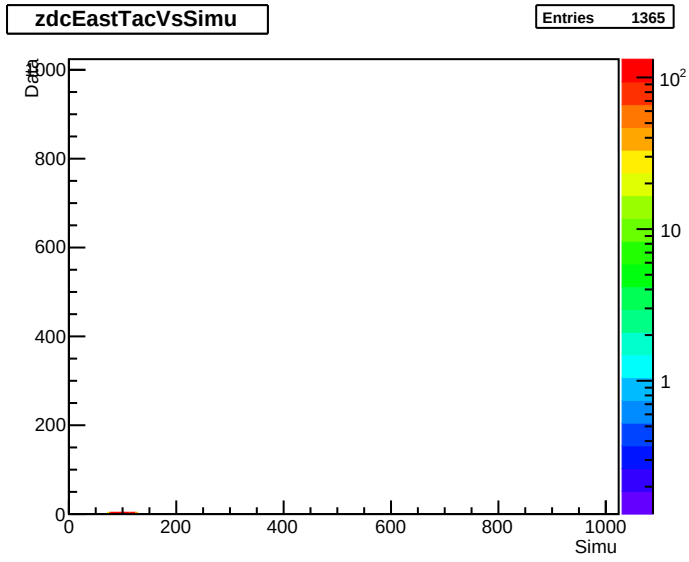

vpdWestAdcSum
Entries 285173

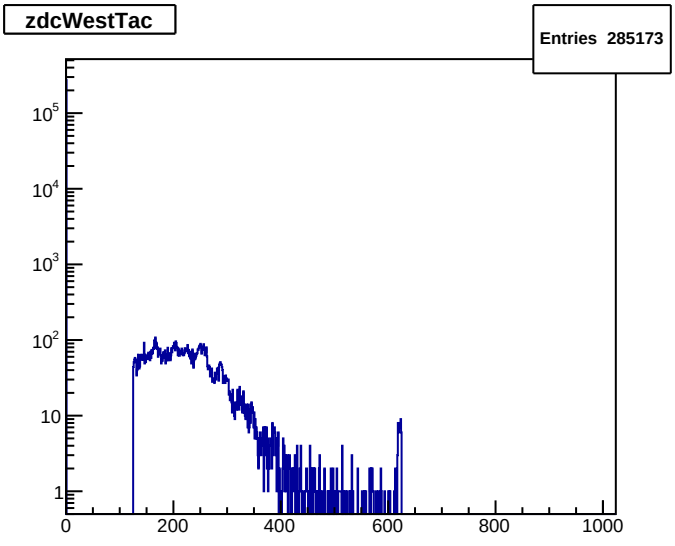

vpdWestAdcSumVsSimu
Entries 218084
Data
Simu

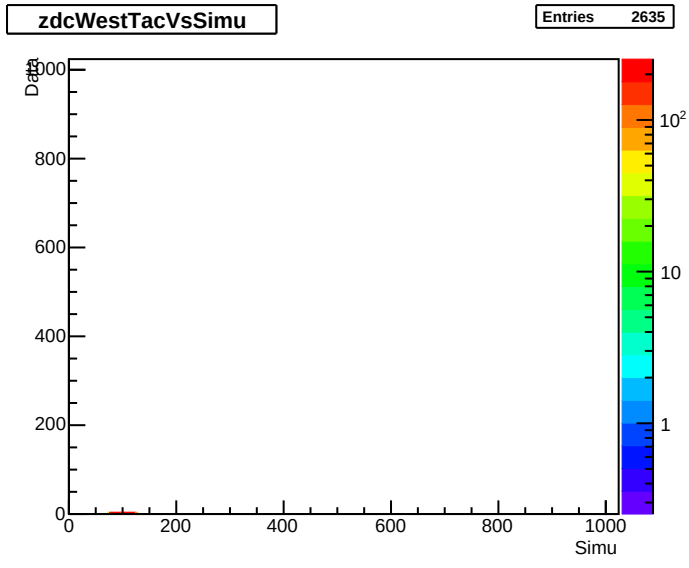

vpdWestTacMax
Entries 285173

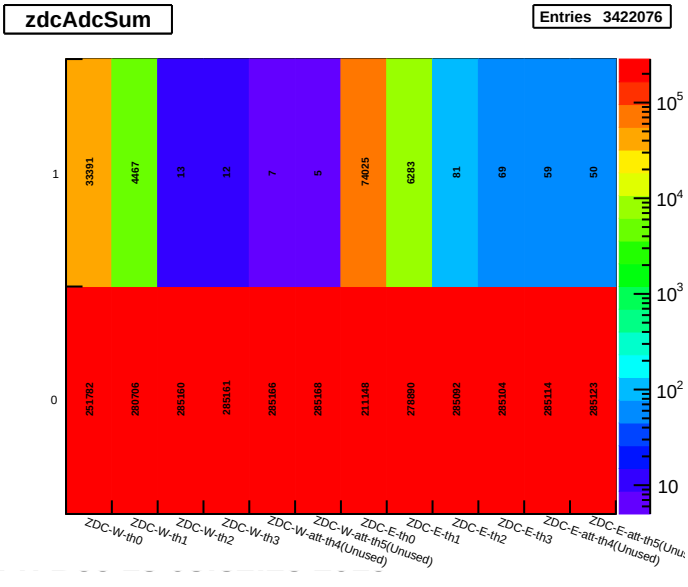

vpdWestTacMaxVsSimu
Entries 218084
Data
Simu

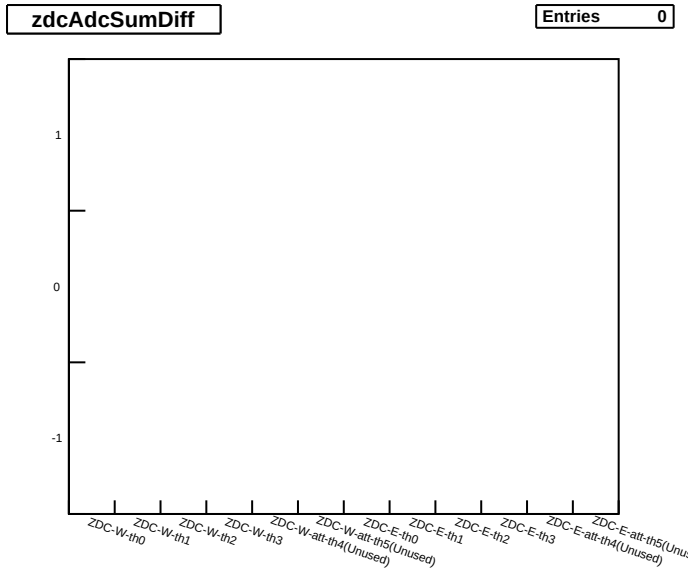

zdcEastTac
Entries 285173

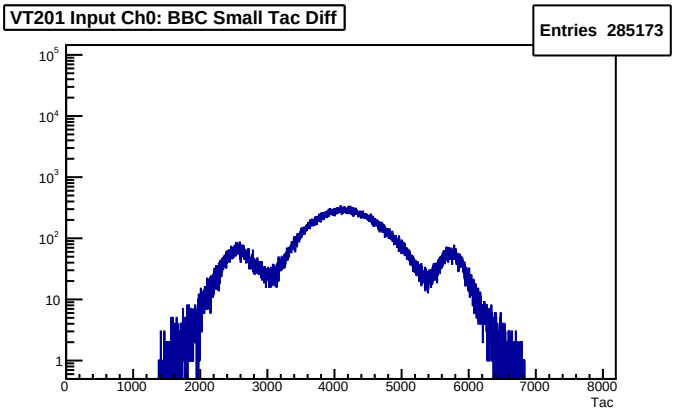

zdcEastTacVsSimu
Entries 1365
Data
Simu

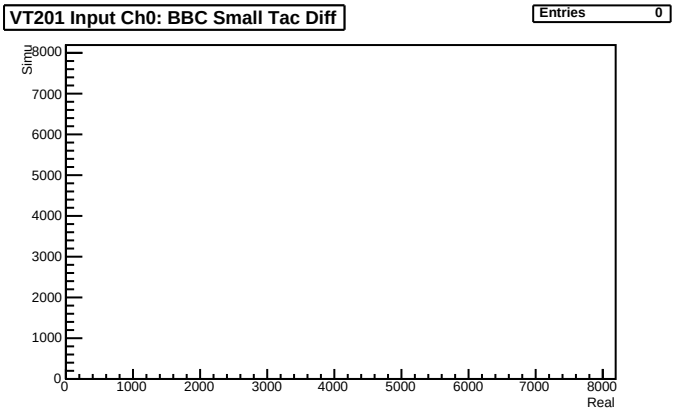

zdcWestTac
Entries 285173

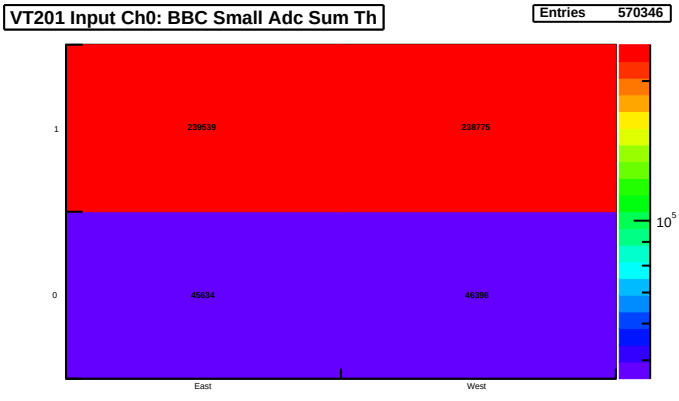

zdcWestTacVsSimu
Entries 2635
Data
Simu

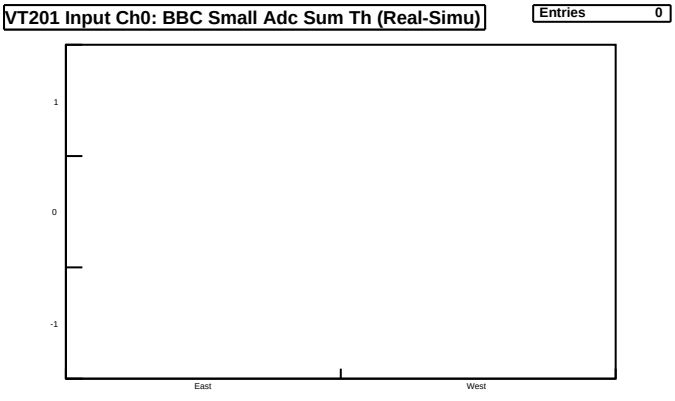

zdcAdcSum
Entries 3422076
33391
4467
13
12
7
5
74025
6283
81
69
59
50
251782
280706
285160
285161
285166
285168
211148
278880
285092
285104
285114
285123
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

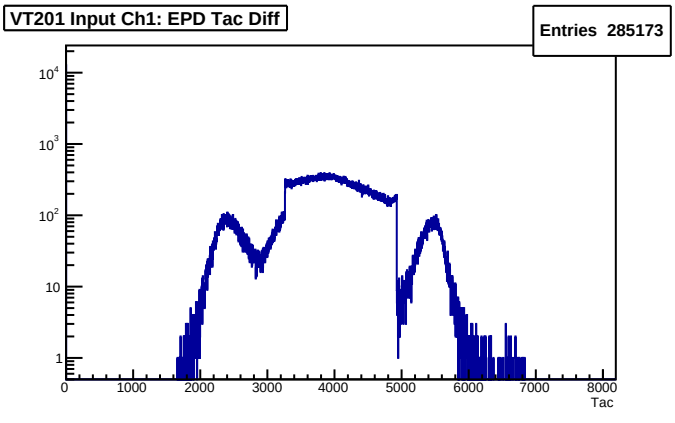

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

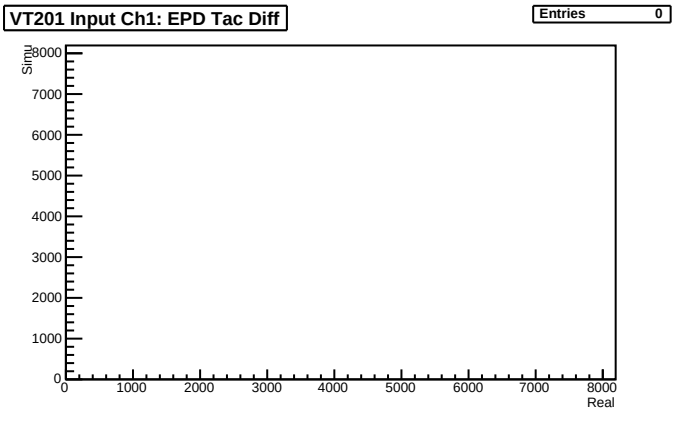

VT201 Input Ch0: BBC Small Tac Diff
Entries 285173
Tac

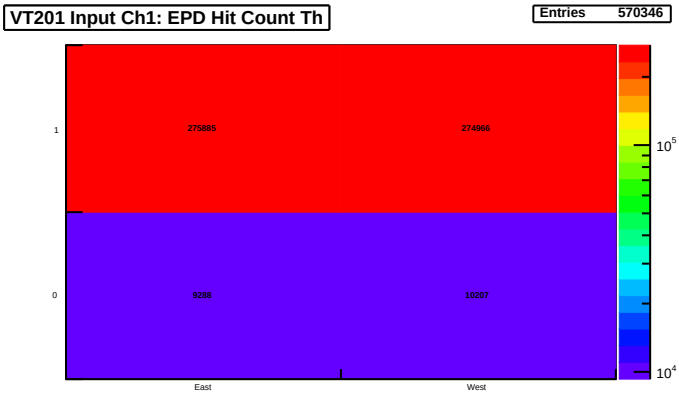

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

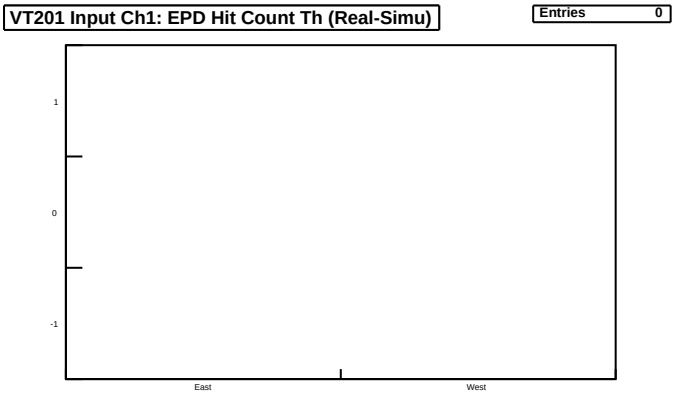

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 570346
239539
238775
45634
46398
East
West

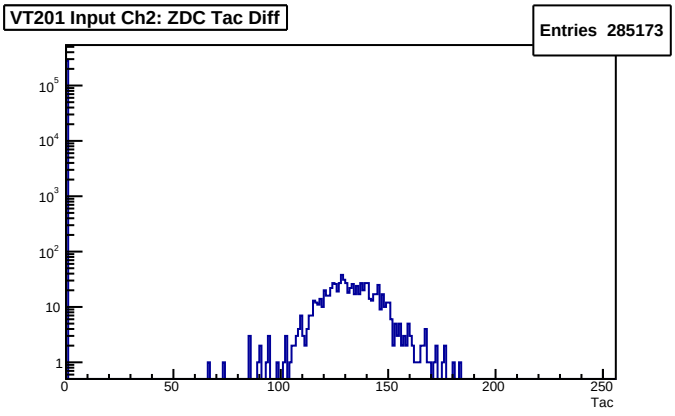

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

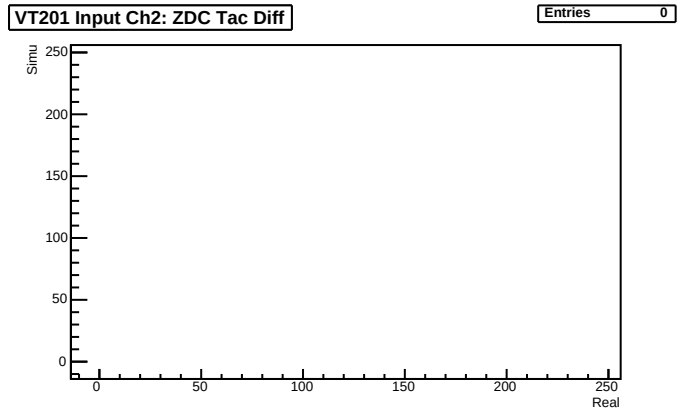

VT201 Input Ch1: EPD Tac Diff
Entries 285173
Tac

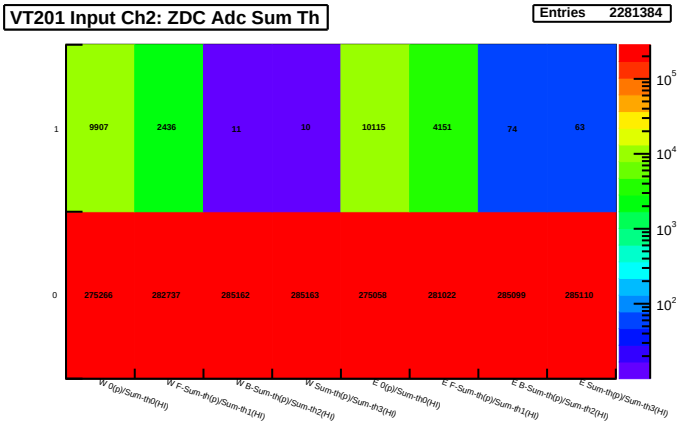

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

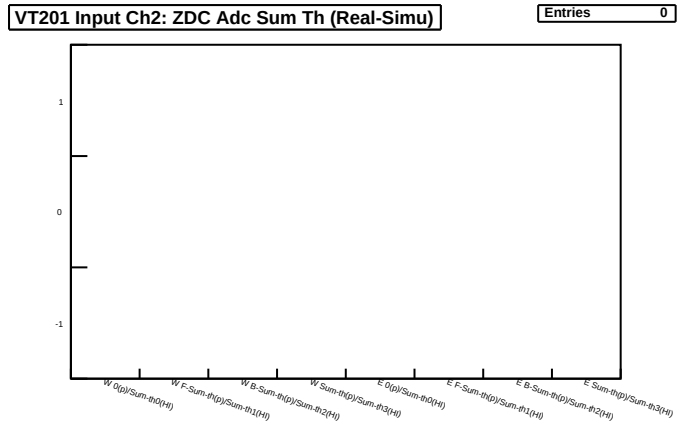

VT201 Input Ch1: EPD Hit Count Th
Entries 570346
275885
274966
9288
10207
East
West

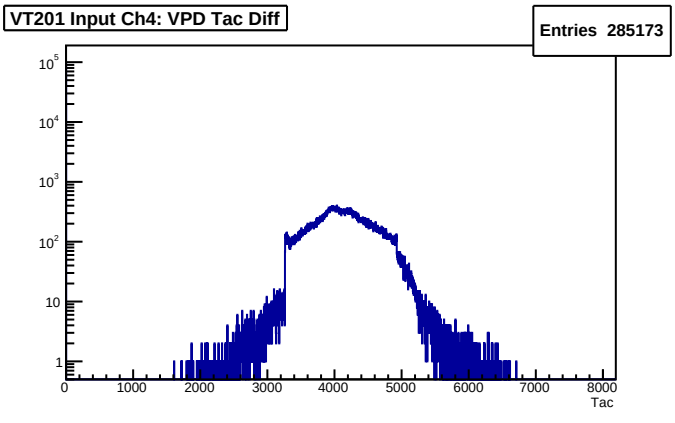

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

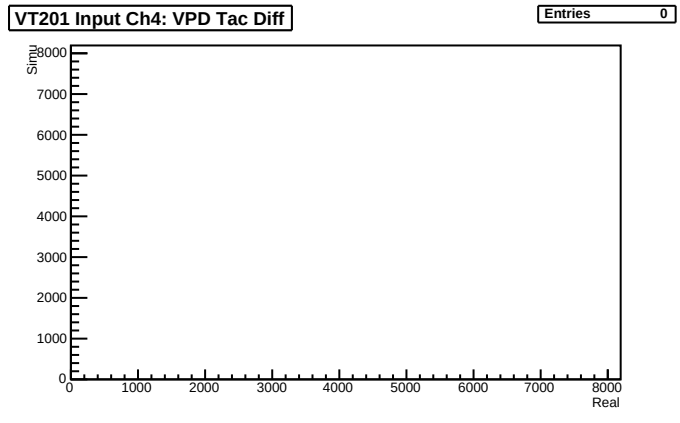

VT201 Input Ch2: ZDC Tac Diff
Entries 285173
Tac

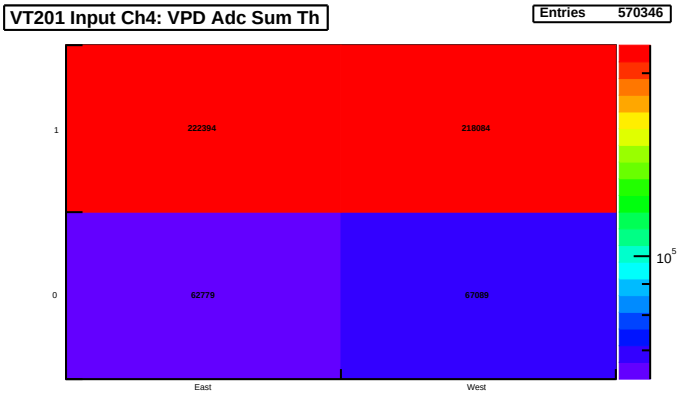

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

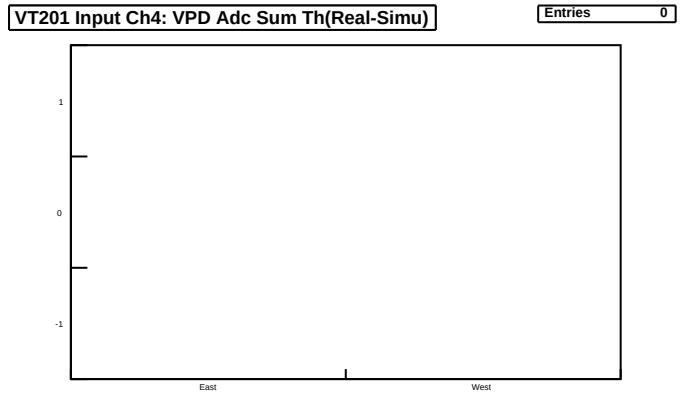

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2281384
9907
2436
11
10
10115
4151
74
63
275266
282737
285162
285163
275058
281022
285099
285110
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

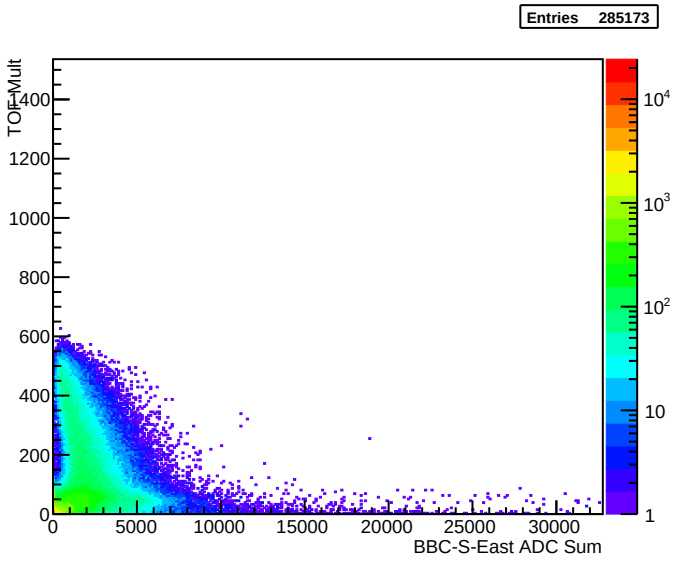

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

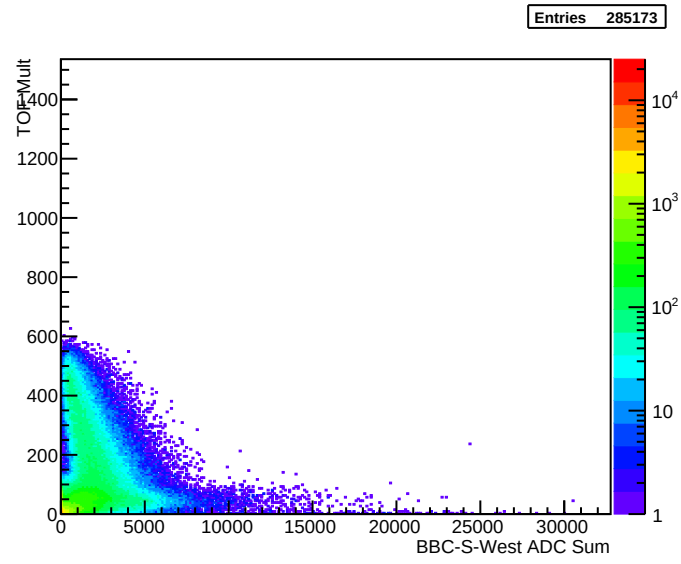

VT201 Input Ch4: VPD Tac Diff
Entries 285173
Tac

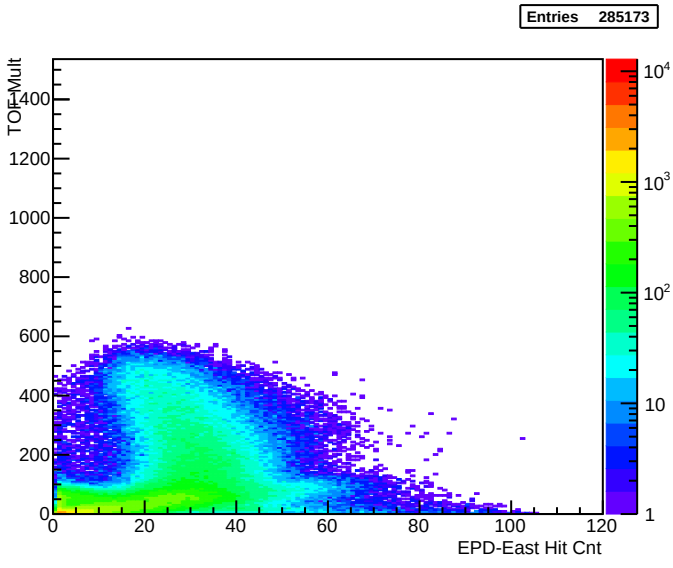

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

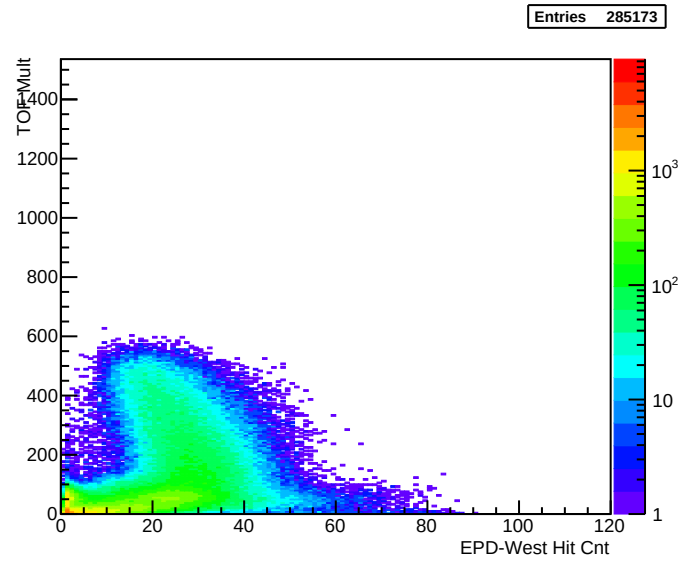

VT201 Input Ch4: VPD Adc Sum Th
Entries 570346
222394
219084
62779
67089
East
West

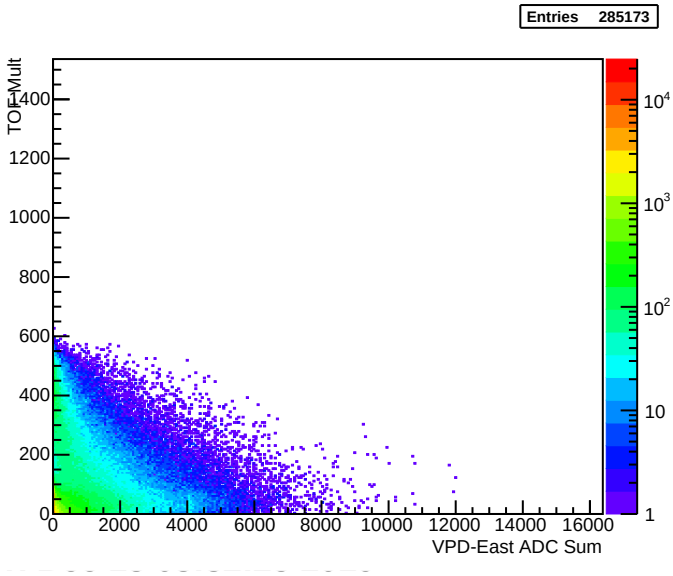

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

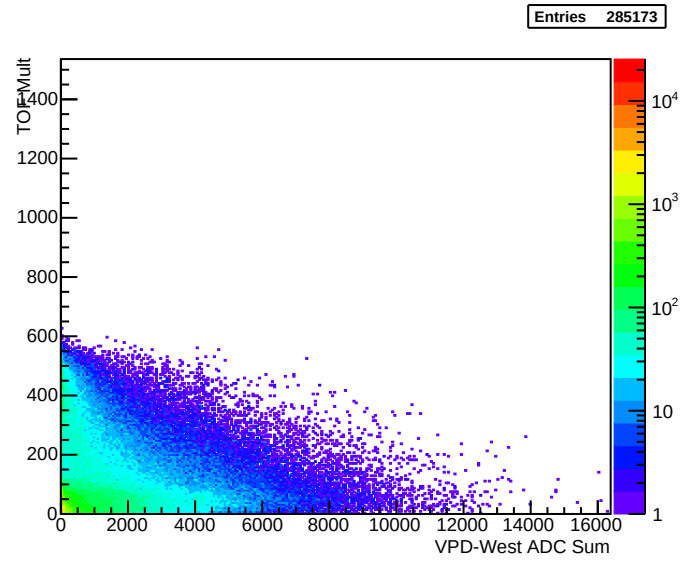

Entries 285173
TOF-Mult
BBC-S-East ADC Sum

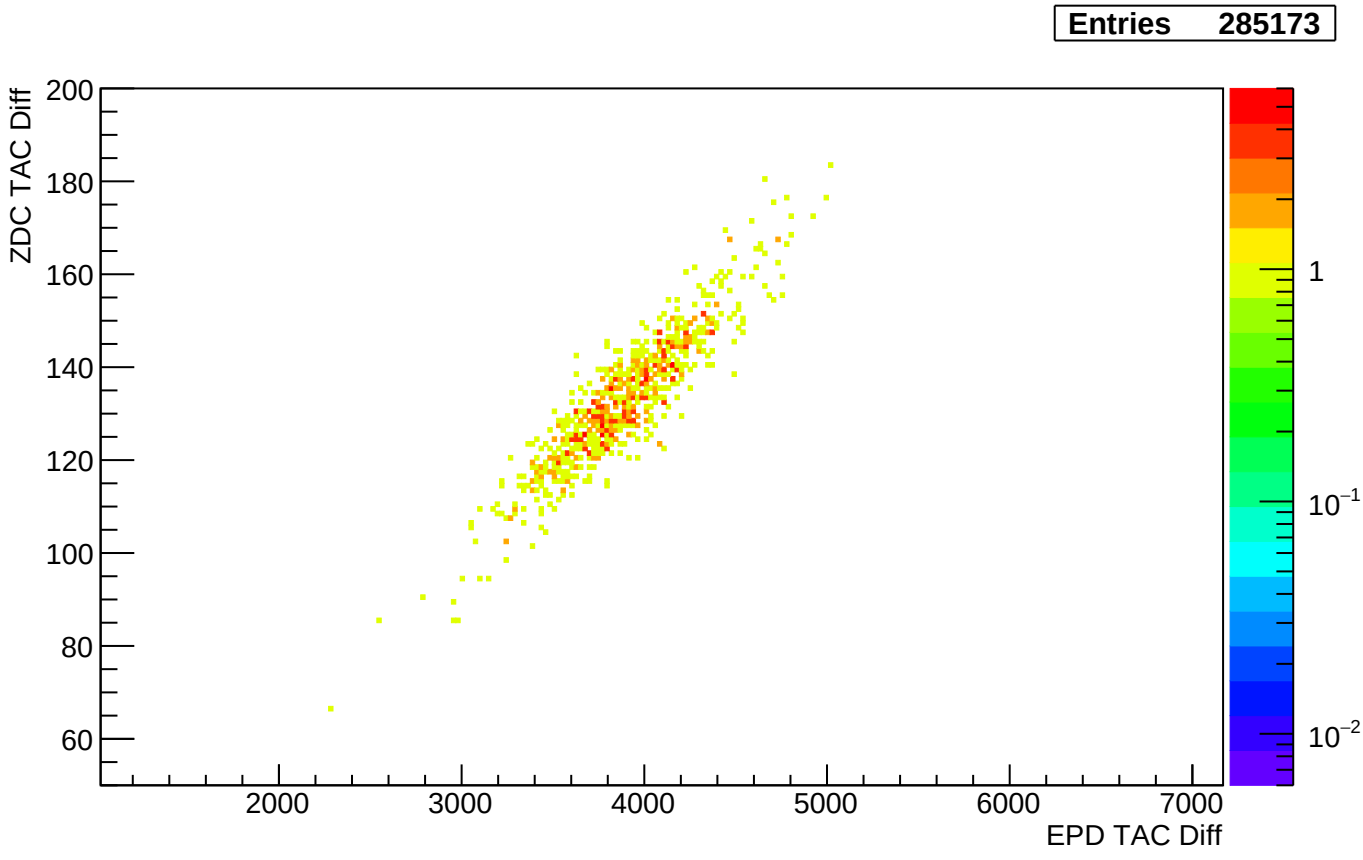

Entries 285173
TOF-Mult
BBC-S-West ADC Sum

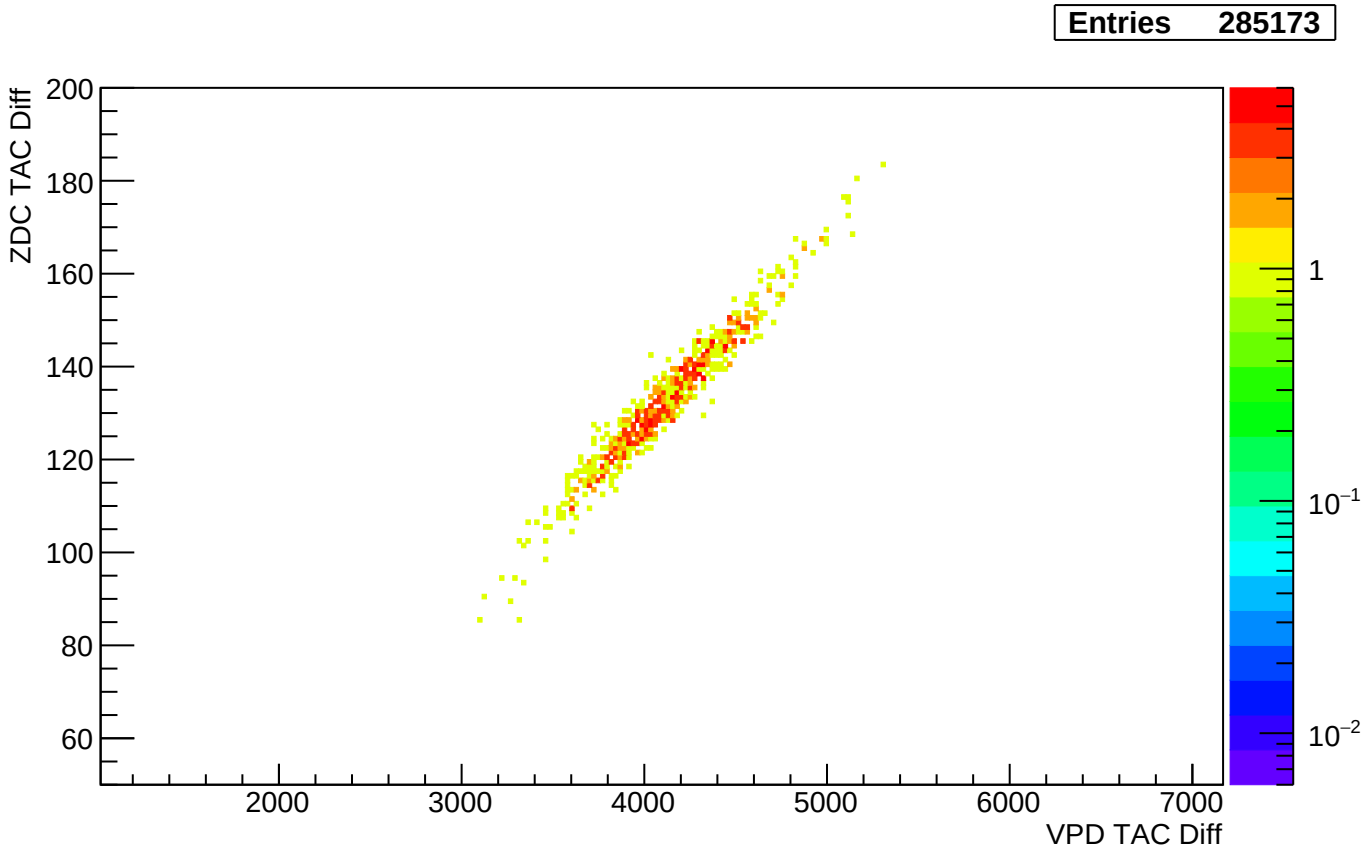

Entries 285173
TOF-Mult
EPD-East Hit Cnt

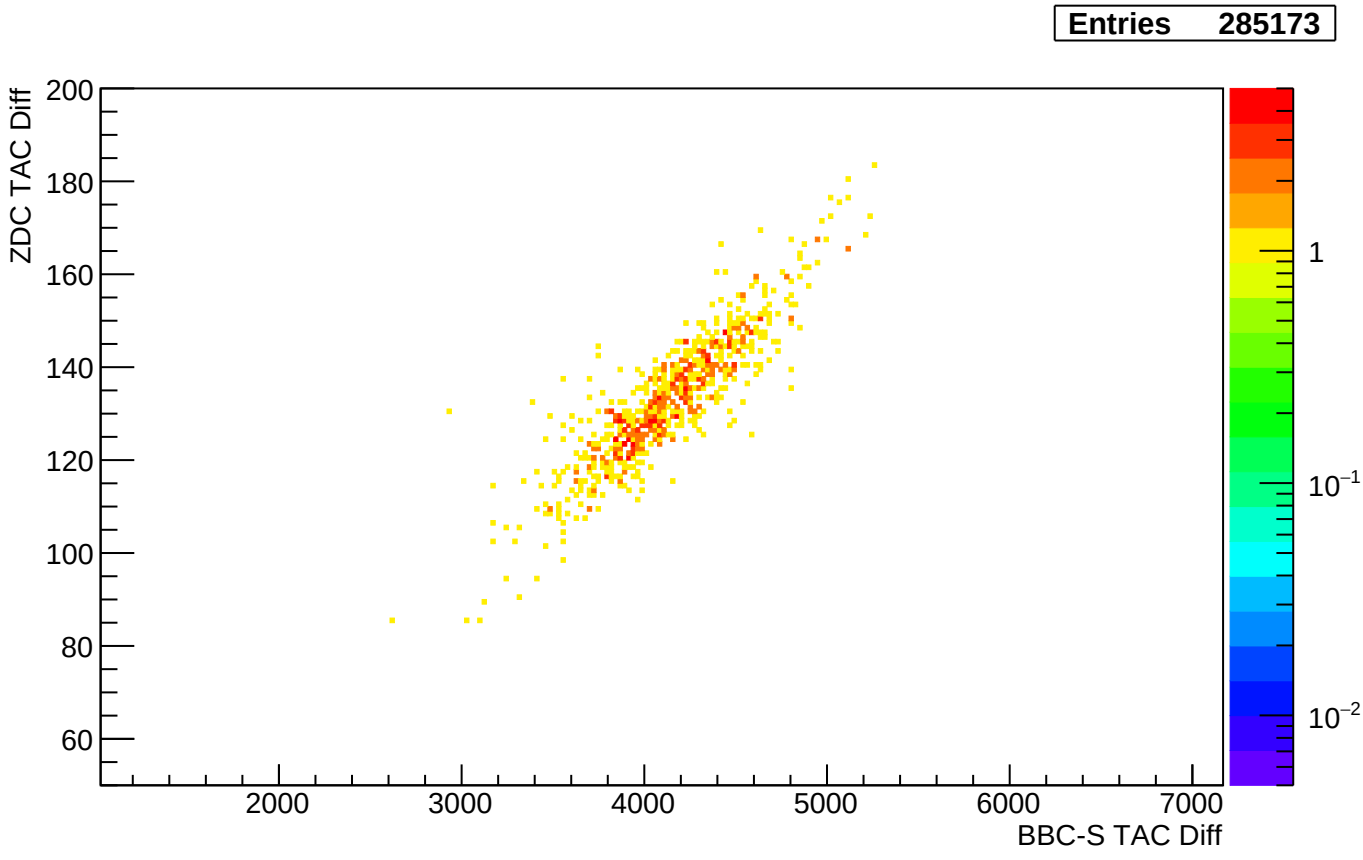

Entries 285173
TOF-Mult
EPD-West Hit Cnt

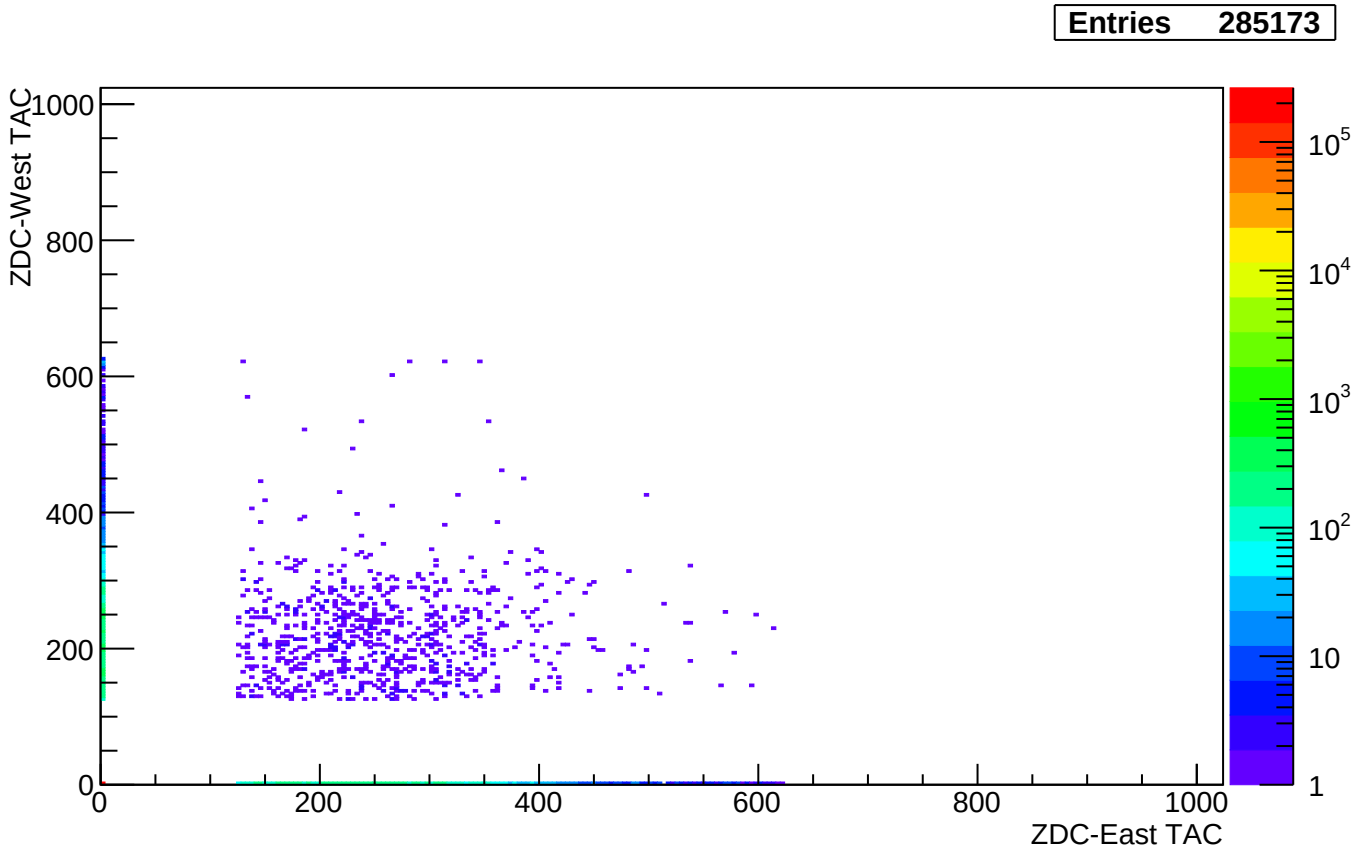

Entries 285173
TOF-Mult
VPD-East ADC Sum

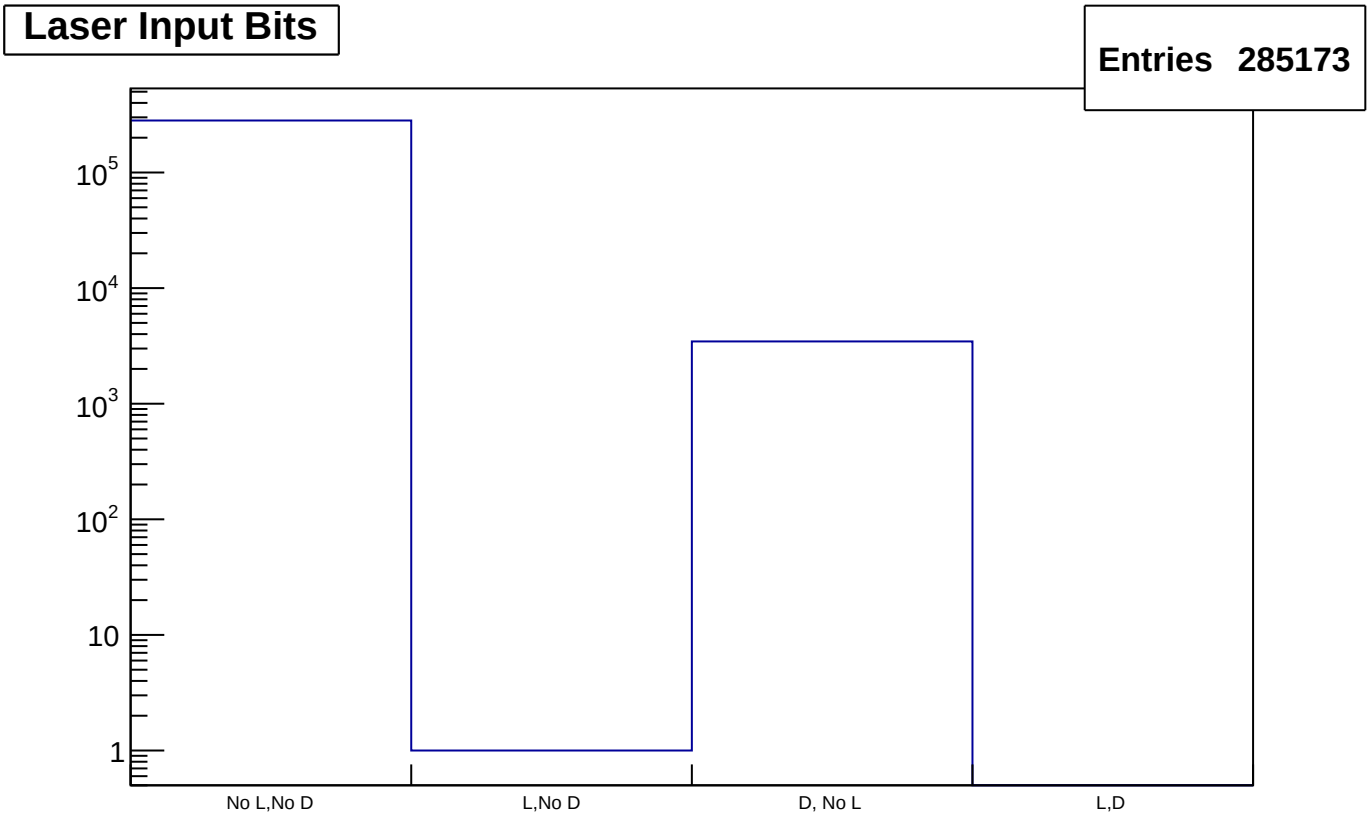

Entries 285173
TOF-Mult
VPD-West ADC Sum

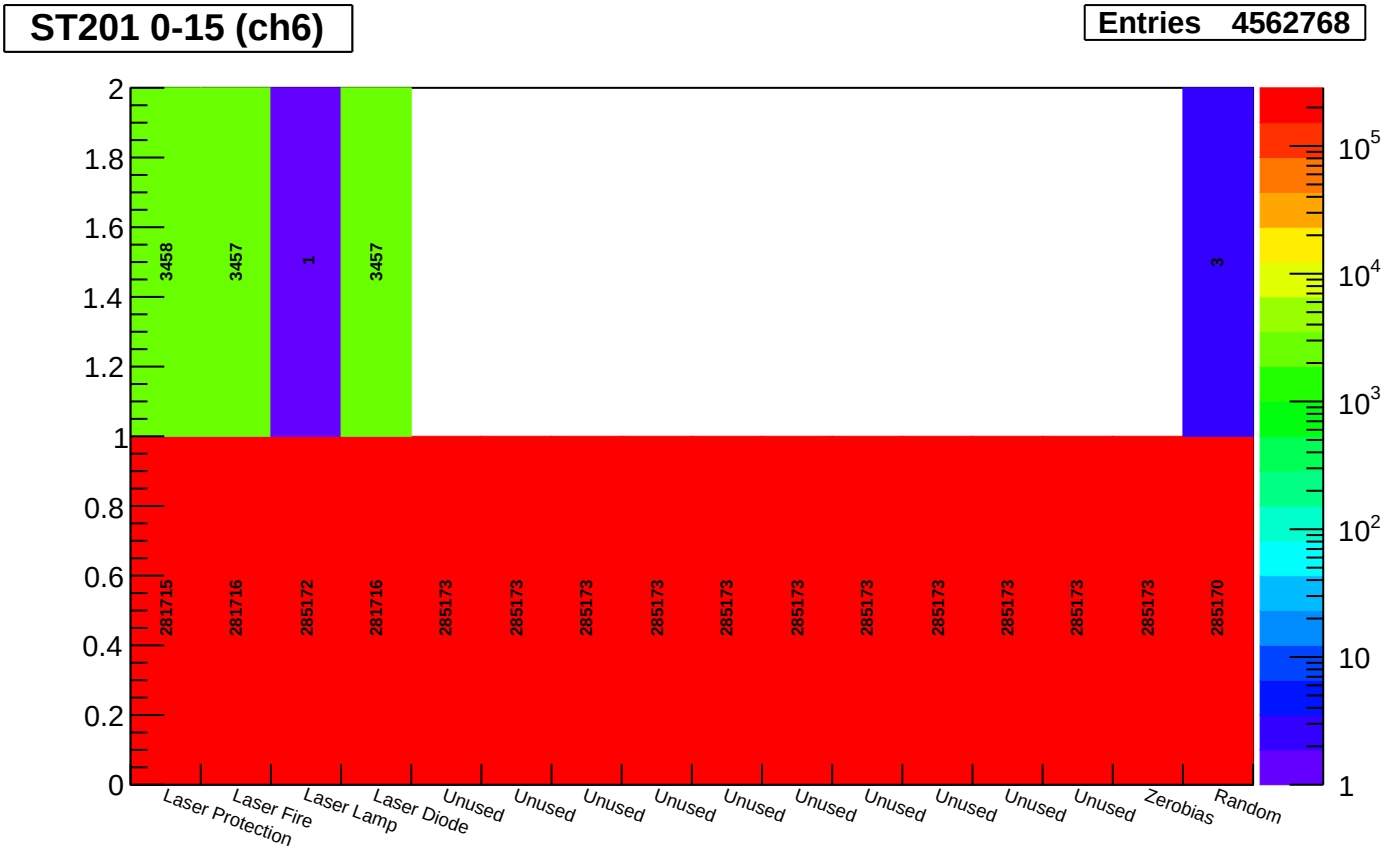

Entries 285173
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

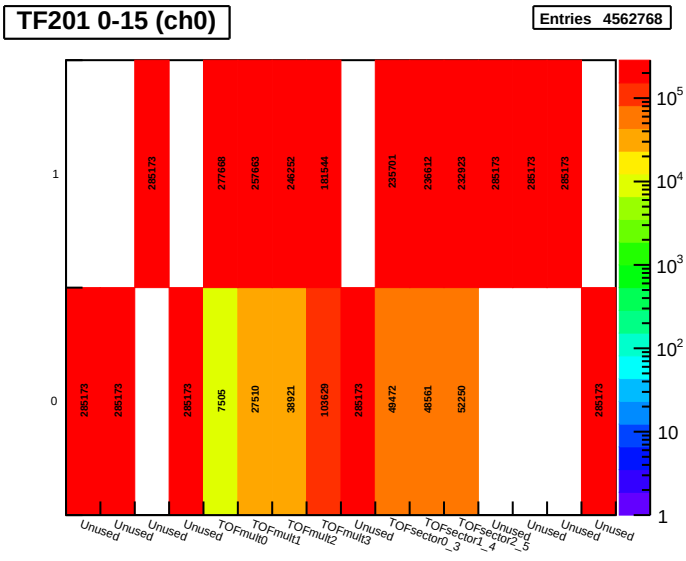

Entries 285173
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

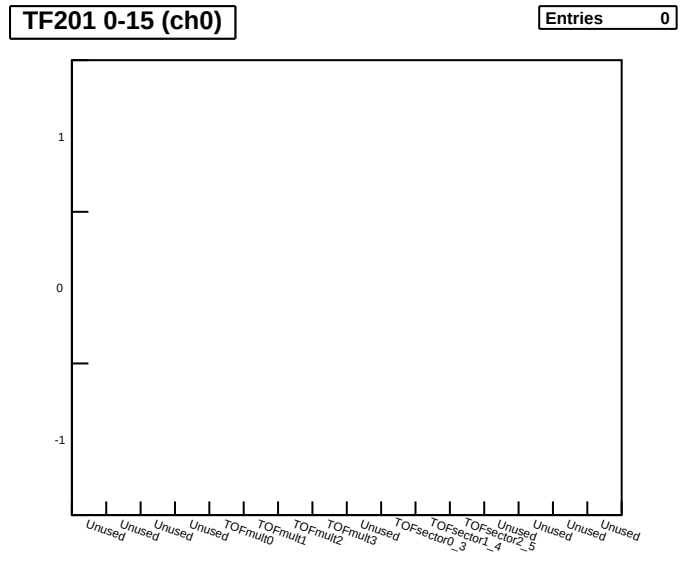

Entries 285173
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

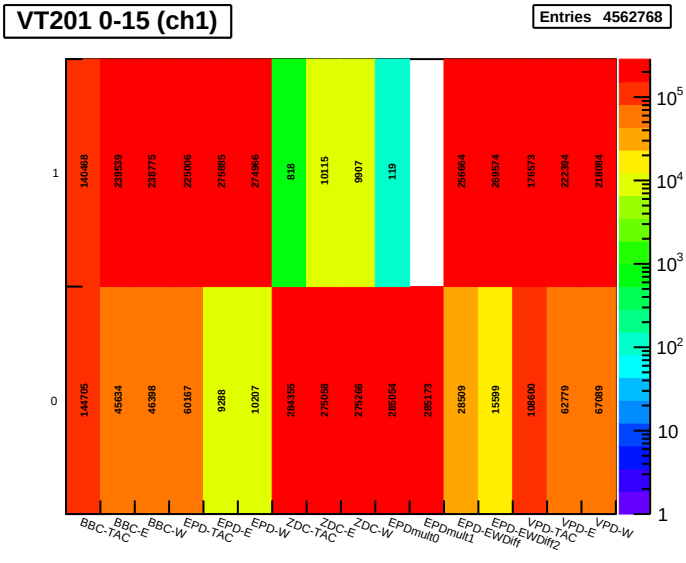

Entries 285173
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

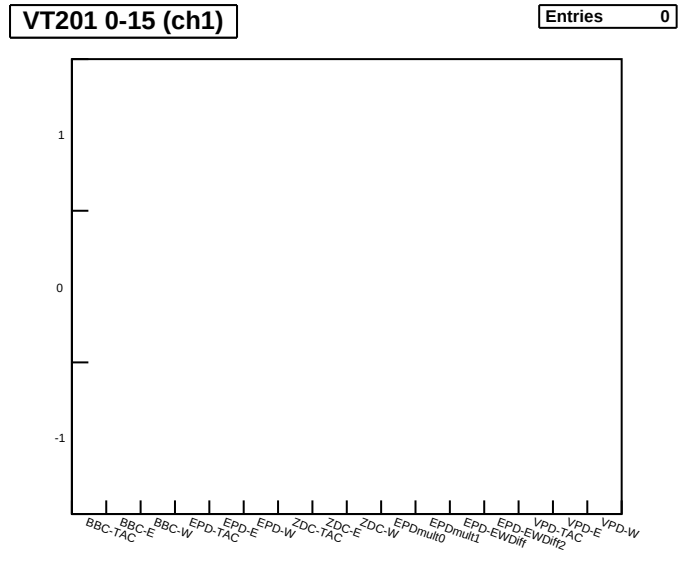

Laser Input Bits
Entries 285173
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

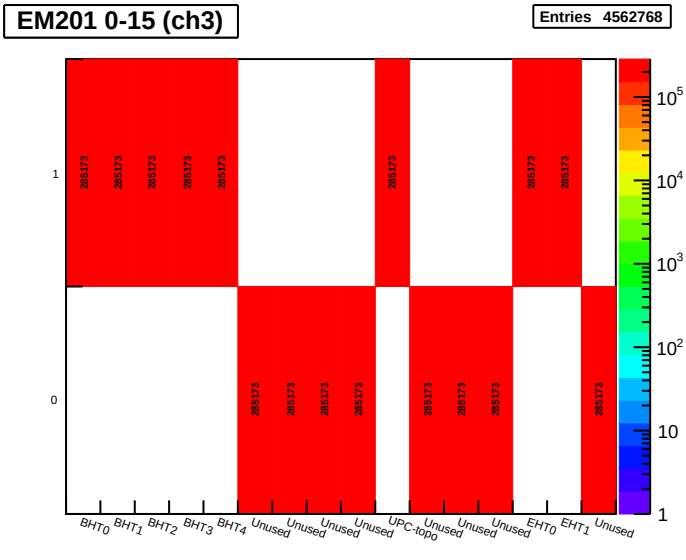

ST201 0-15 (ch6)
Entries 4562768
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3458
3457
1
3457
3
281715
281716
285172
281716
285173
285173
285173
285173
285173
285173
285173
285173
285173
285173
285173
285170
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

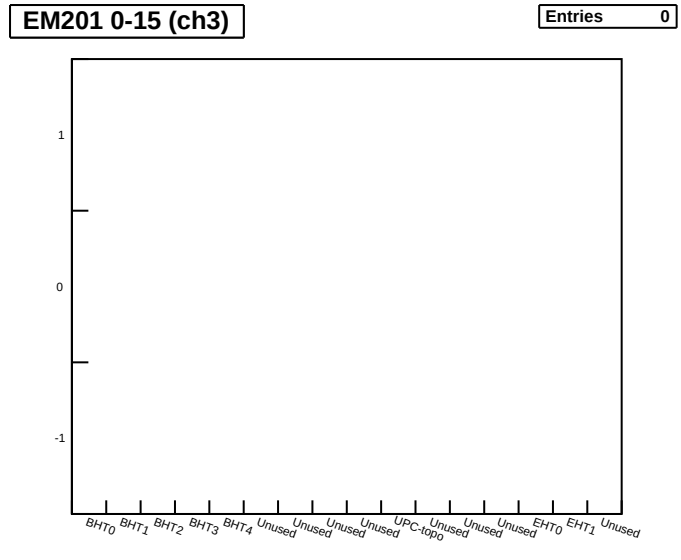

TF201 0-15 (ch0)
Entries 4562768
1
0
285173 285173 285173 277668 257663 246252 181544 235701 236612 232923 285173 285173 285173
285173 285173 285173 7505 27510 38921 103629 285173 49472 48561 52250 285173
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 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 4562768
1
0
140468 239539 238775 225006 275885 274966 818 10115 9907 119 256664 269574 176573 222394 218084
144705 45634 46398 60167 9288 10207 284355 275058 275266 285054 285173 28509 15599 106600 62779 67089
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 4562768
1
0
285173 285173 285173 285173 285173 285173 285173 285173
285173 285173 285173 285173 285173 285173 285173 285173
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