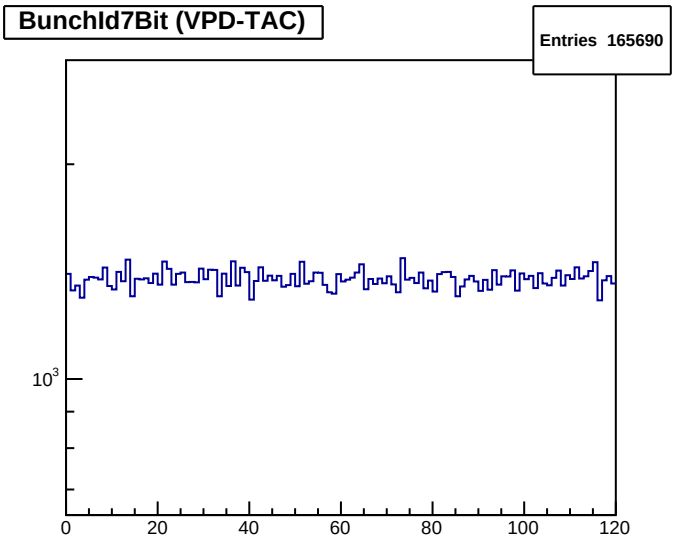
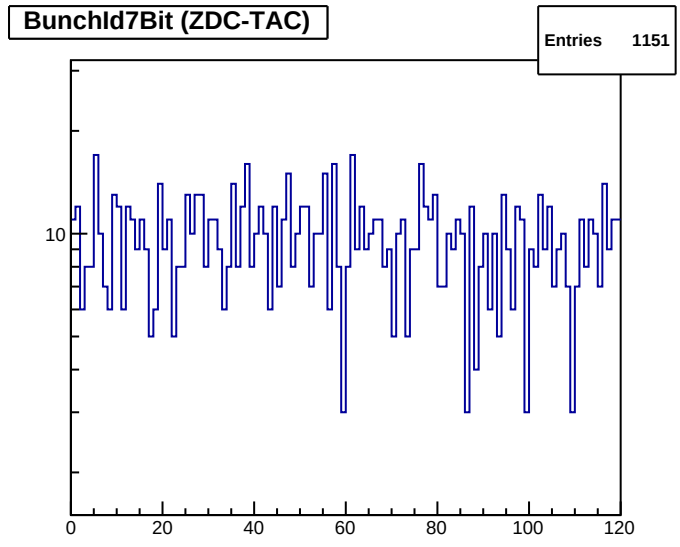
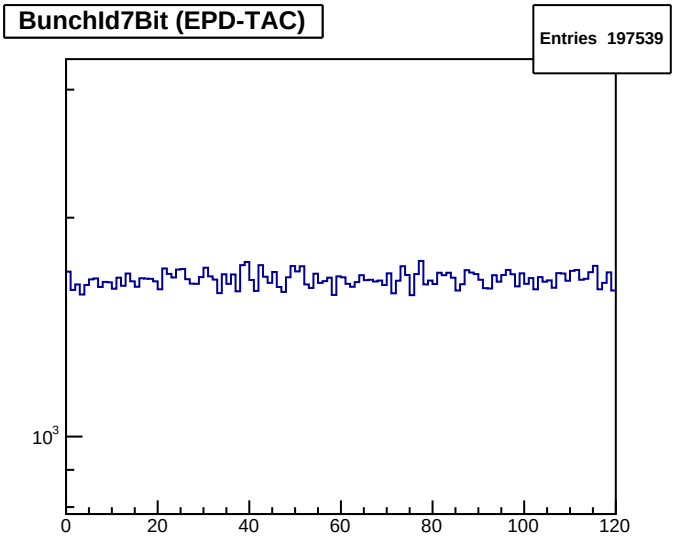
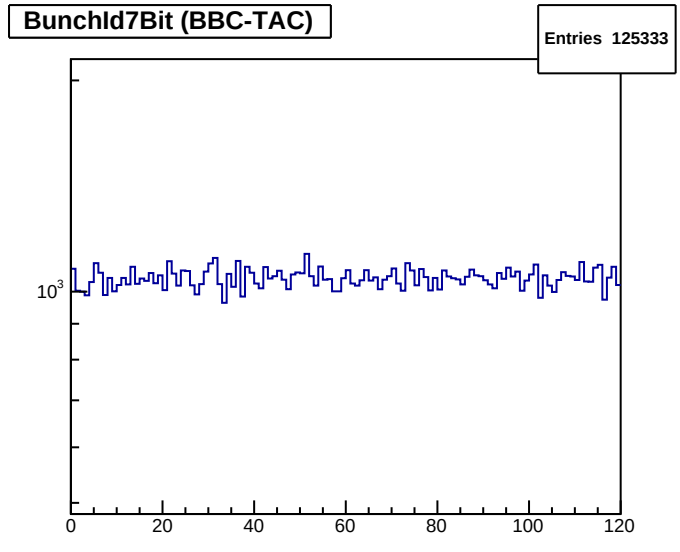
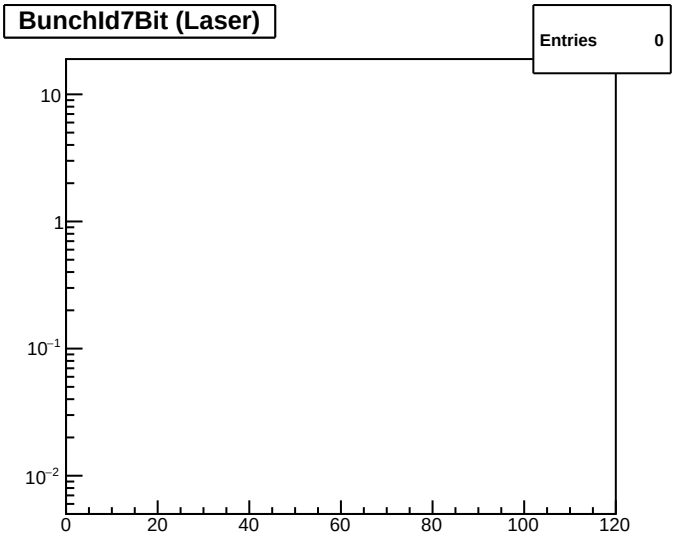
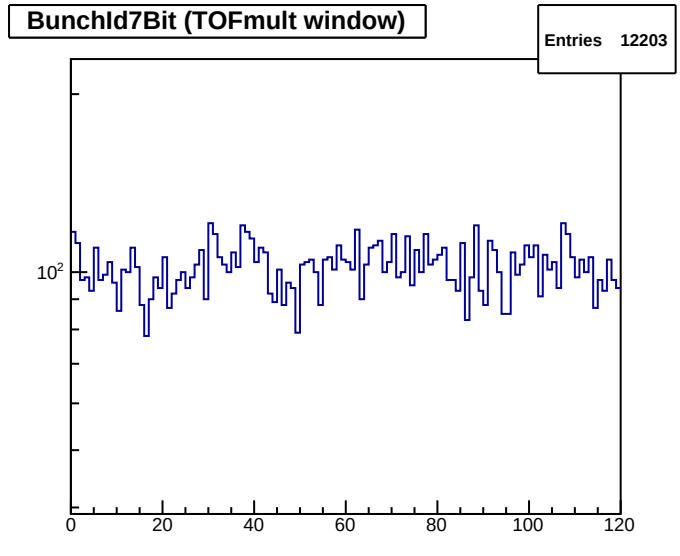

BunchId7Bit (VPD-TAC)
Entries 165690
10^3
0 20 40 60 80 100 120

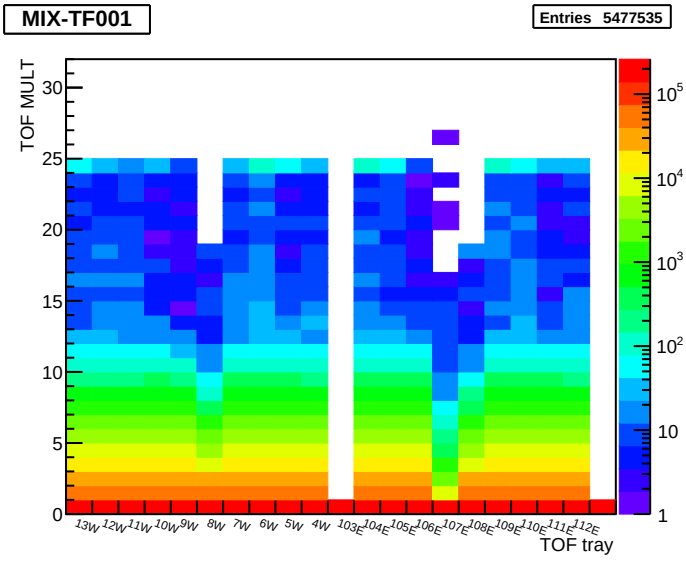

BunchId7Bit (ZDC-TAC)
Entries 1151
10
0 20 40 60 80 100 120

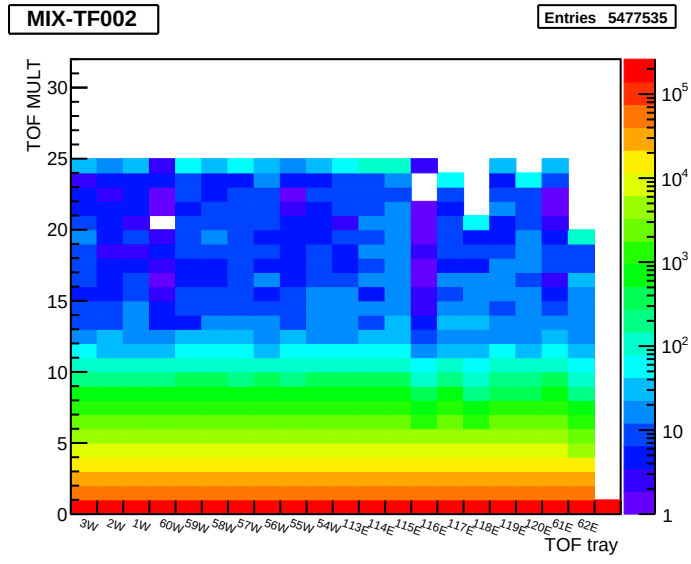

BunchId7Bit (EPD-TAC)
Entries 197539
10^3
0 20 40 60 80 100 120

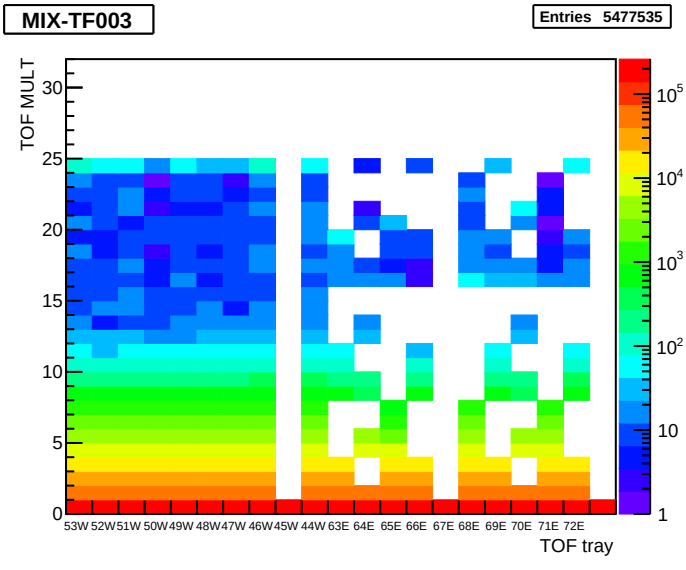

BunchId7Bit (BBC-TAC)
Entries 125333
10^3
0 20 40 60 80 100 120

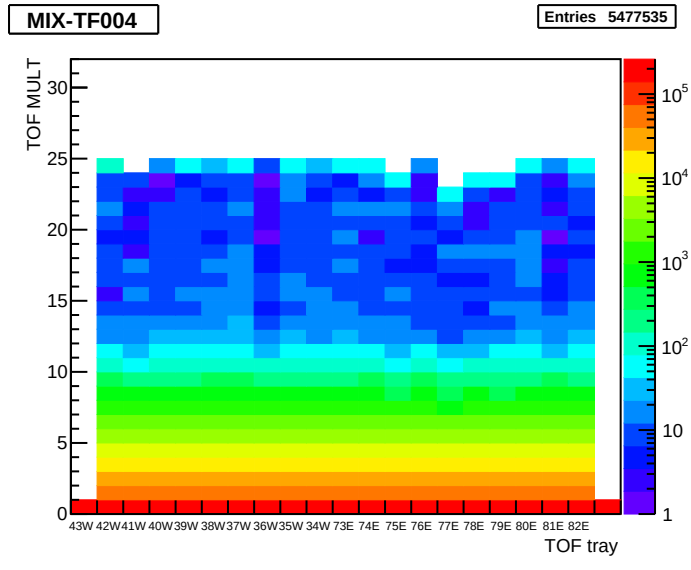

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

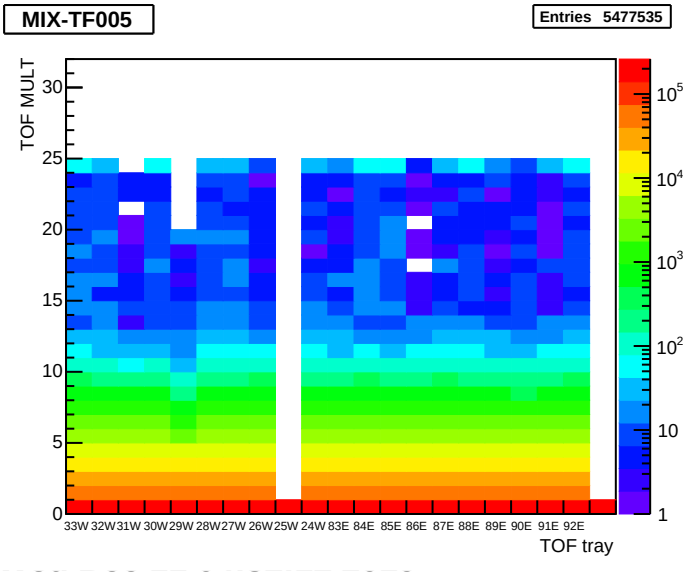

BunchId7Bit (TOFmult window)
Entries 12203
10^2
0 20 40 60 80 100 120

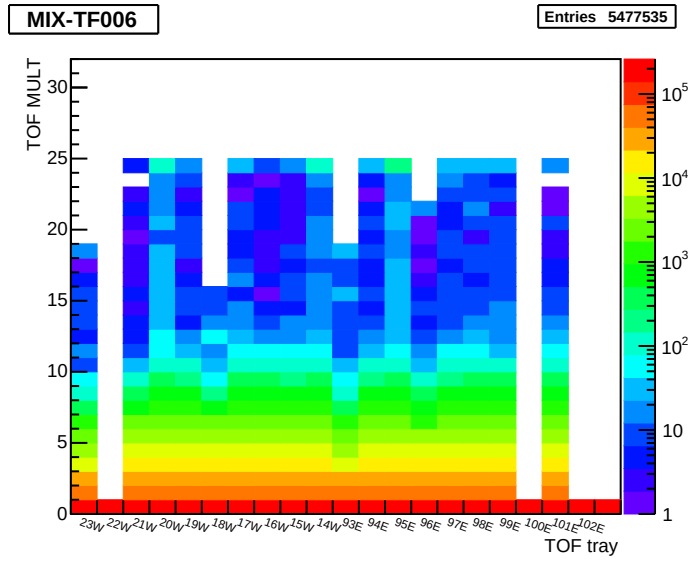

MIX-TF001
Entries 5477535
TOF MULT
TOF tray

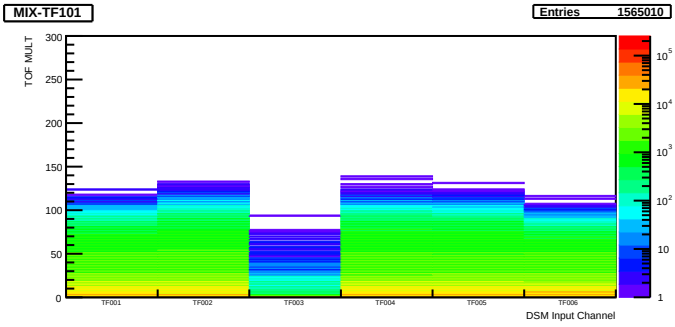

MIX-TF002
Entries 5477535
TOF MULT
TOF tray

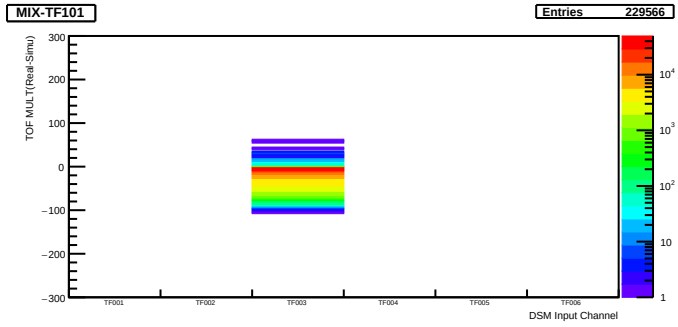

MIX-TF003
Entries 5477535
TOF MULT
TOF tray

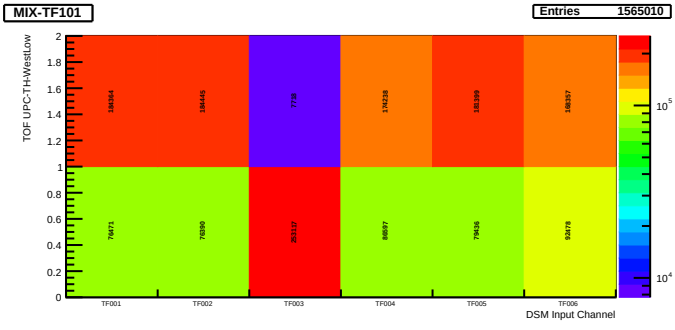

MIX-TF004
Entries 5477535
TOF MULT
TOF tray

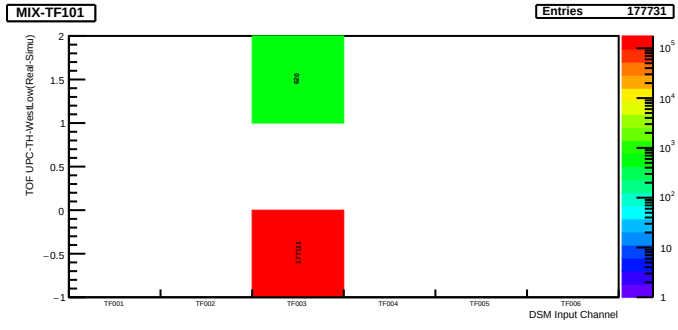

MIX-TF005
Entries 5477535
TOF MULT
TOF tray

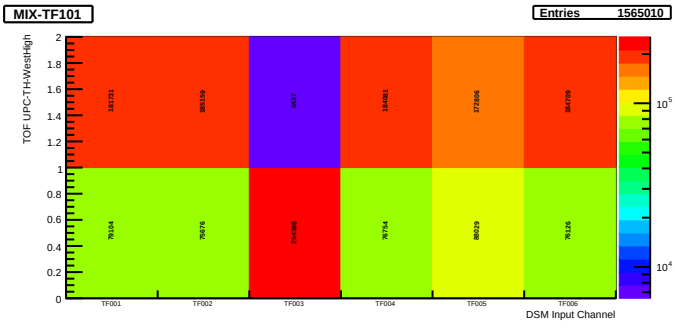

MIX-TF006
Entries 5477535
TOF MULT
TOF tray

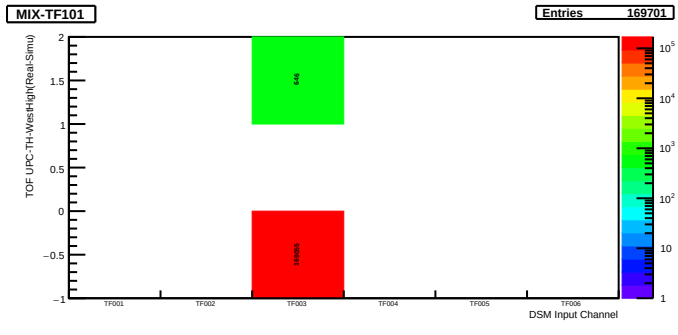

MIX-TF101
Entries 1565010
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

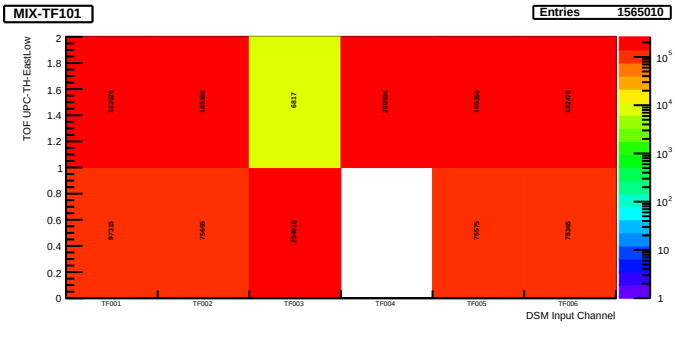

MIX-TF101
Entries 229566
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

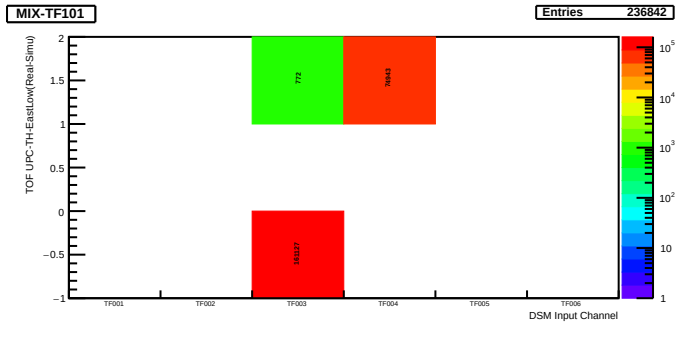

MIX-TF101
Entries 1565010
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

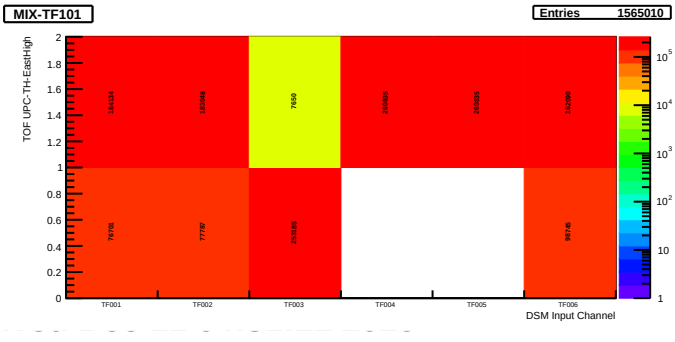

MIX-TF101
Entries 177731
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

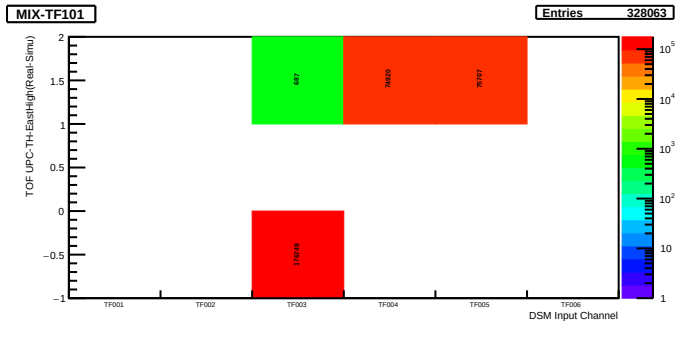

MIX-TF101
Entries 1565010
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

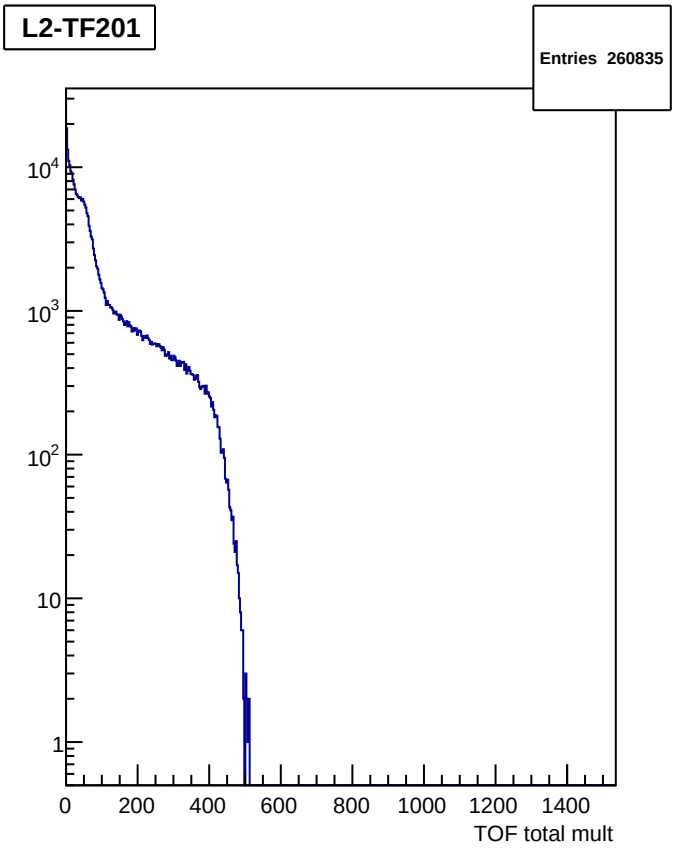

MIX-TF101
Entries 169701
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

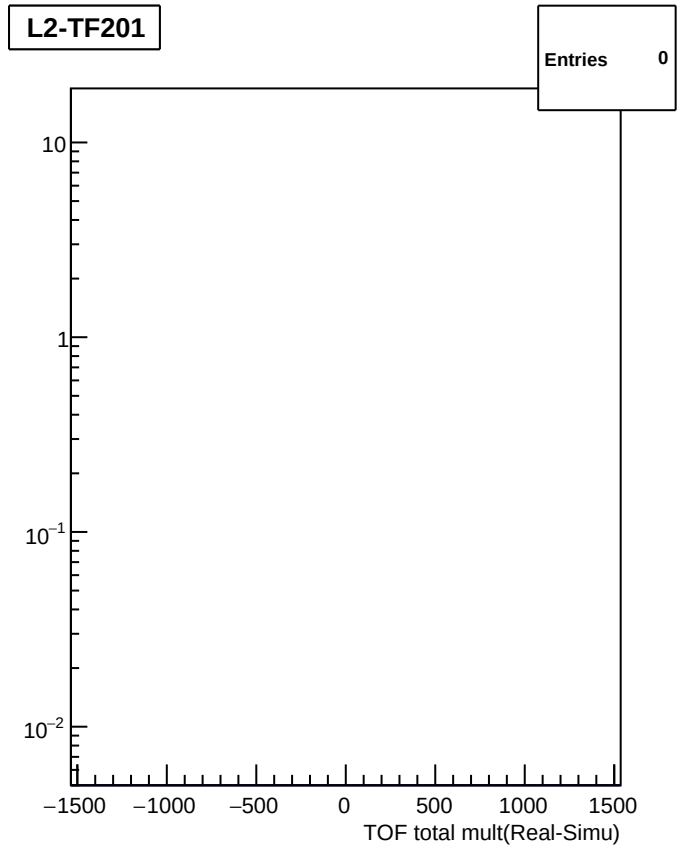

MIX-TF101
Entries 1565010
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

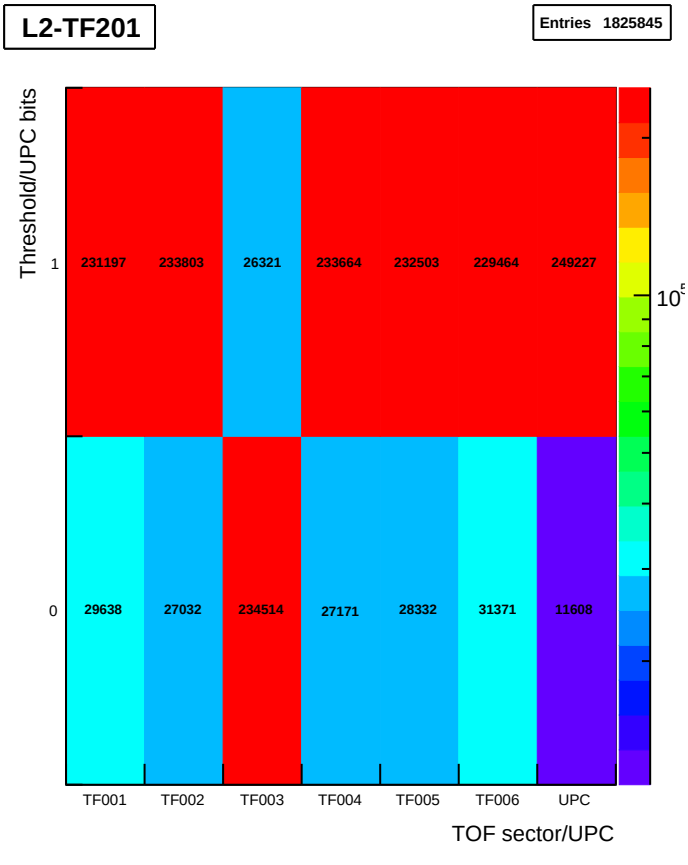

MIX-TF101
Entries 236842
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

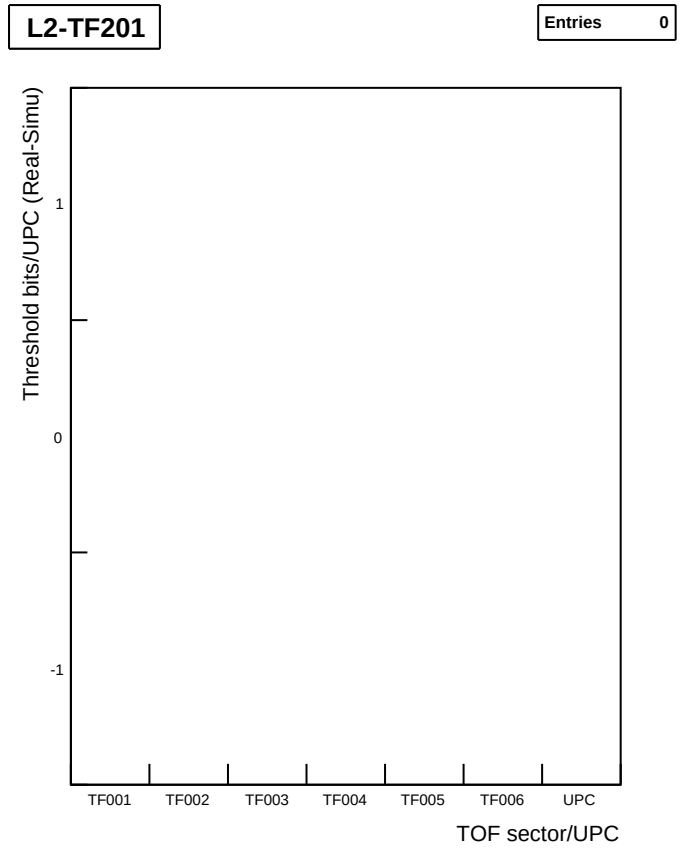

MIX-TF101
Entries 1565010
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

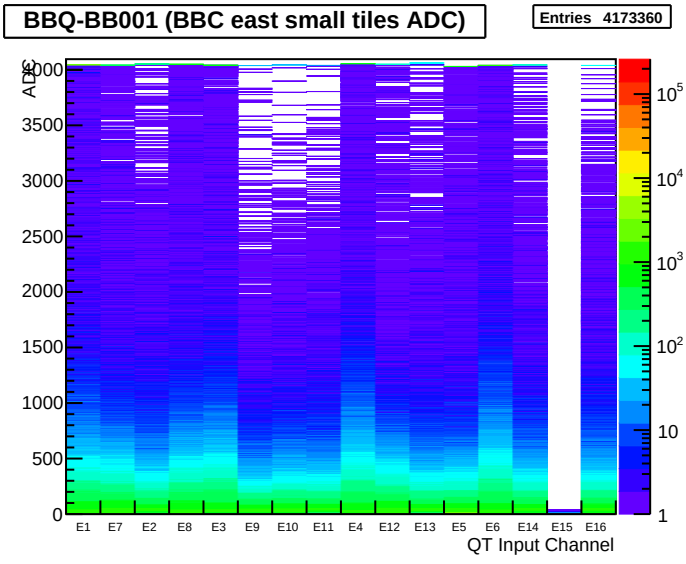

MIX-TF101
Entries 328063
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

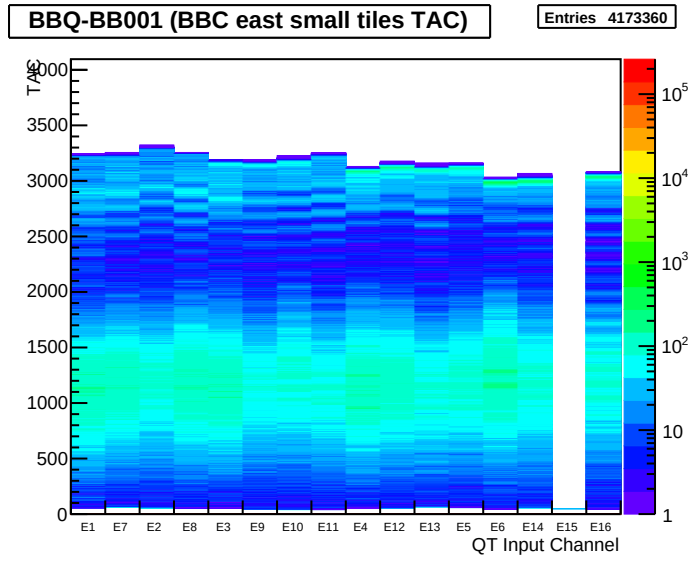

L2-TF201
Entries 260835
TOF total mult

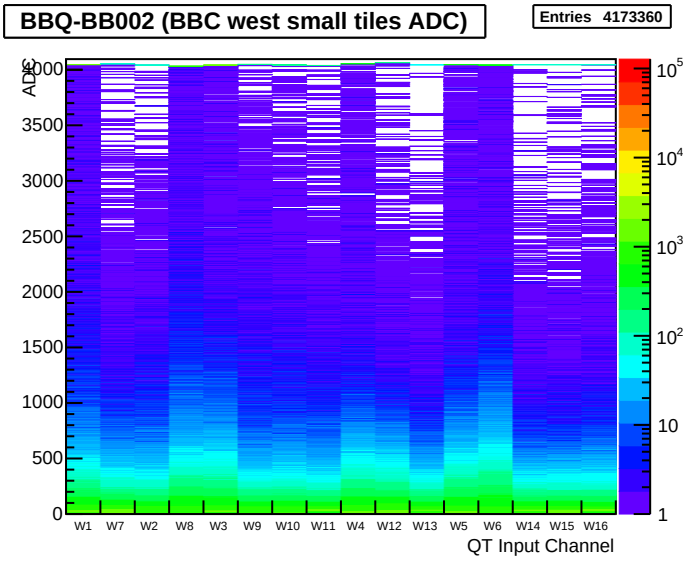

L2-TF201
Entries 0
TOF total mult(Real-Simu)

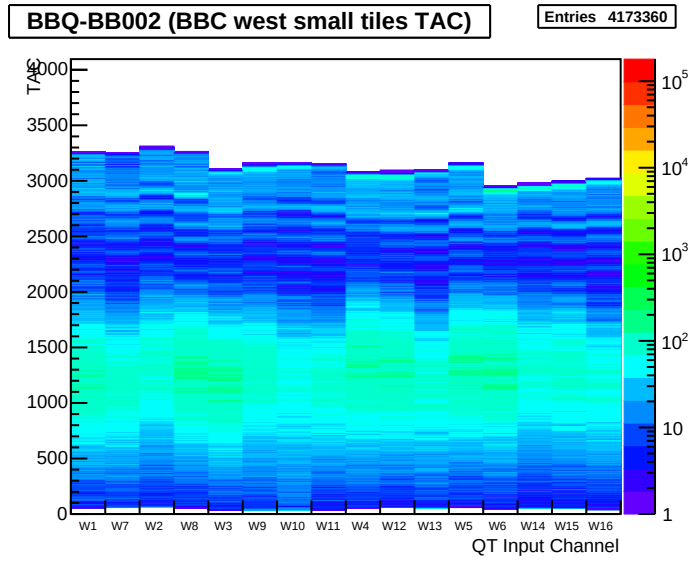

L2-TF201
Entries 1825845
Threshold/UPC bits
231197
233803
26321
233664
232503
229464
249227
29638
27032
234514
27171
28332
31371
11608
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

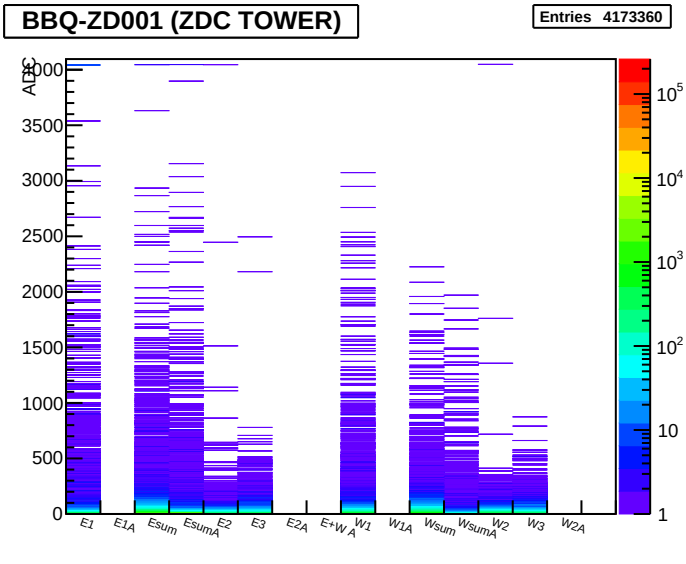

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

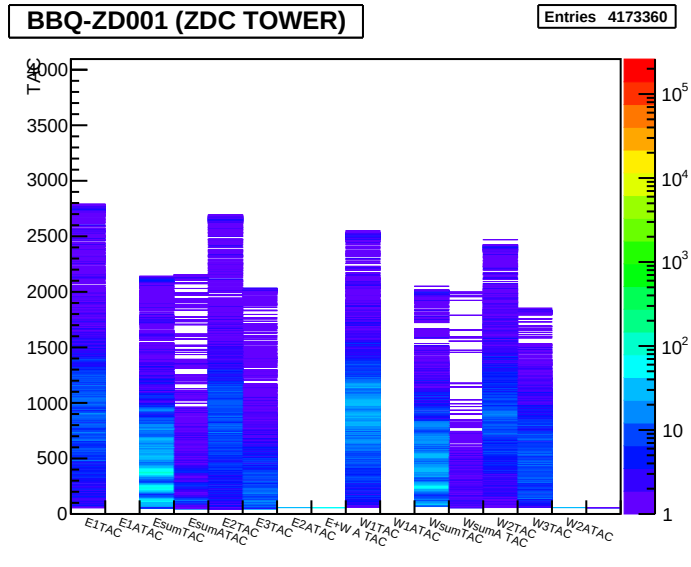

BBQ-BB001 (BBC east small tiles ADC)
Entries 4173360
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

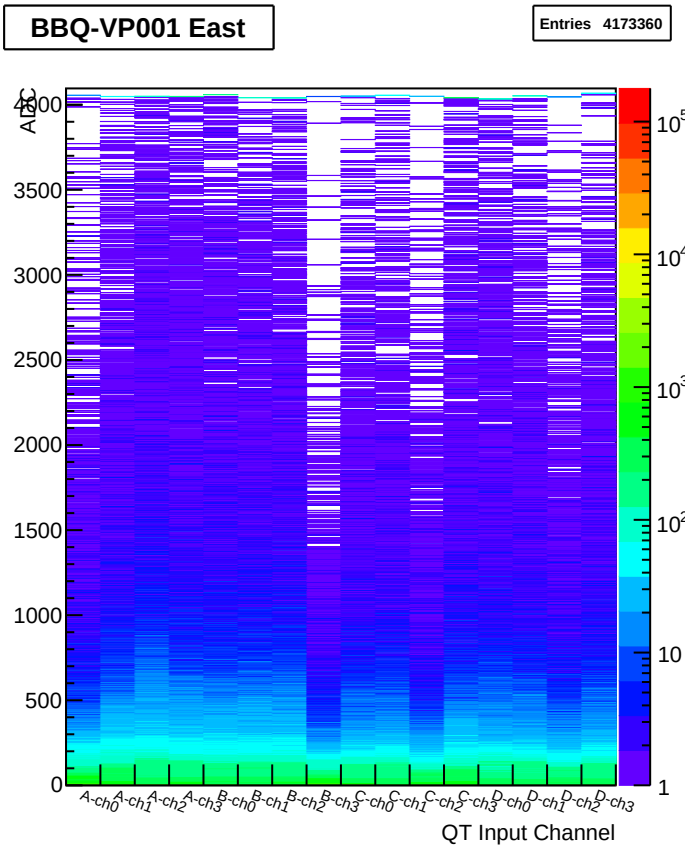

BBQ-BB001 (BBC east small tiles TAC)
Entries 4173360
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

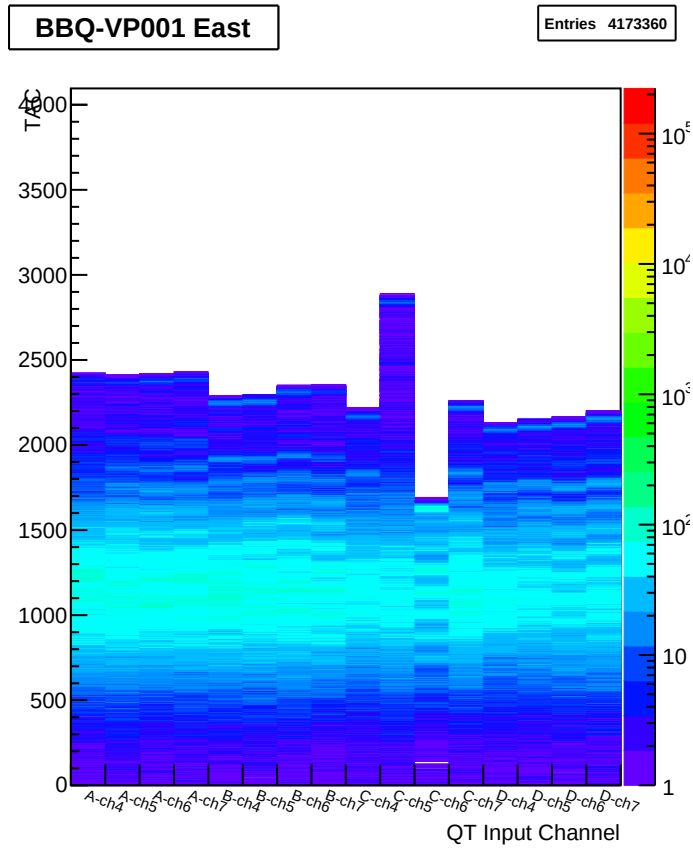

BBQ-BB002 (BBC west small tiles ADC)
Entries 4173360
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

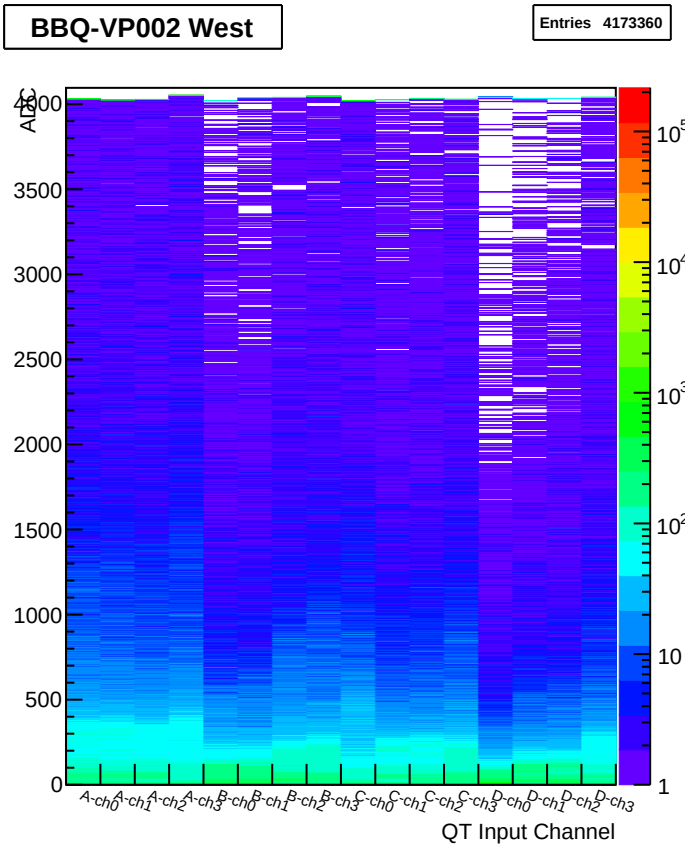

BBQ-BB002 (BBC west small tiles TAC)
Entries 4173360
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

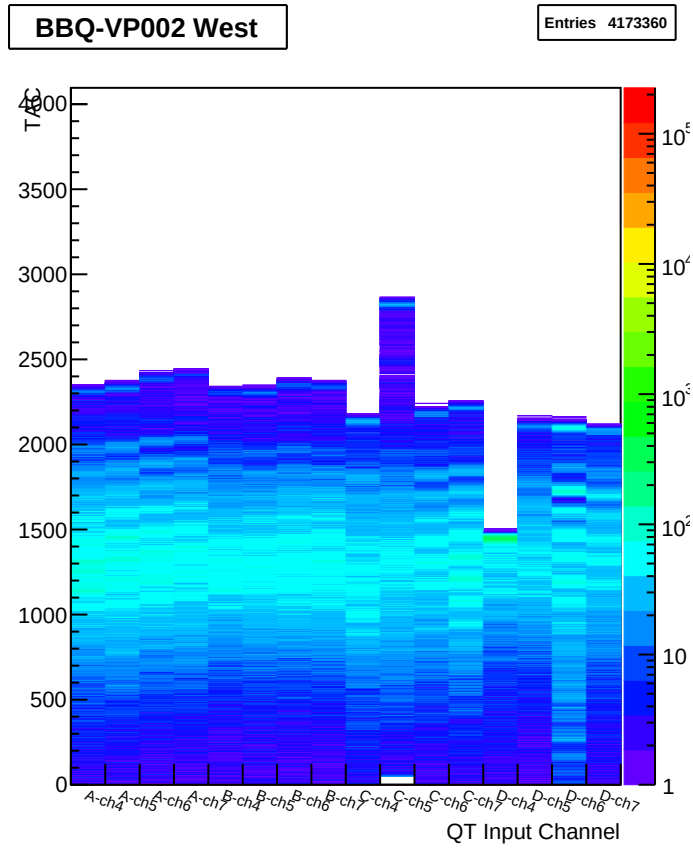

BBQ-ZD001 (ZDC TOWER)
Entries 4173360
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

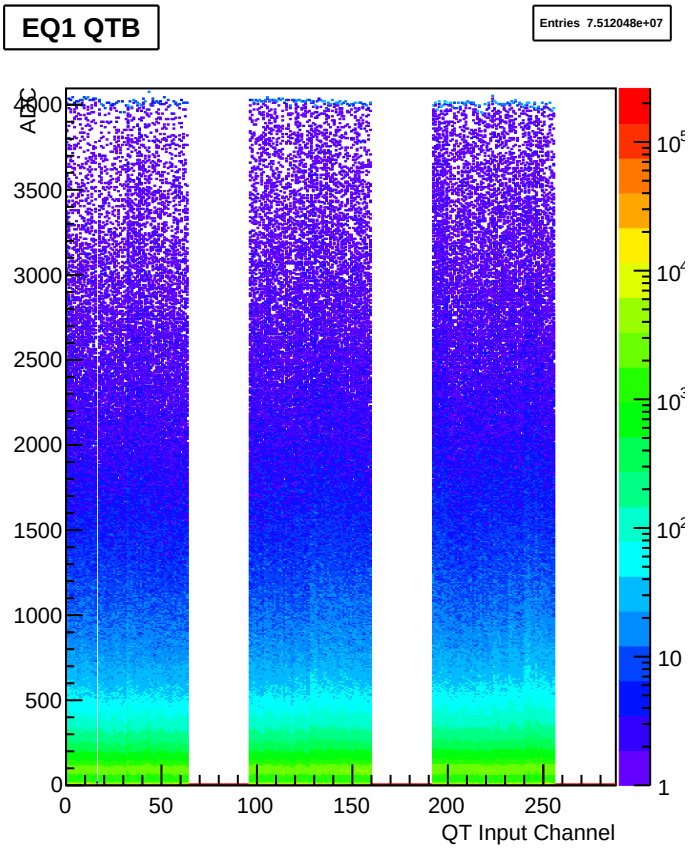

BBQ-ZD001 (ZDC TOWER)
Entries 4173360
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

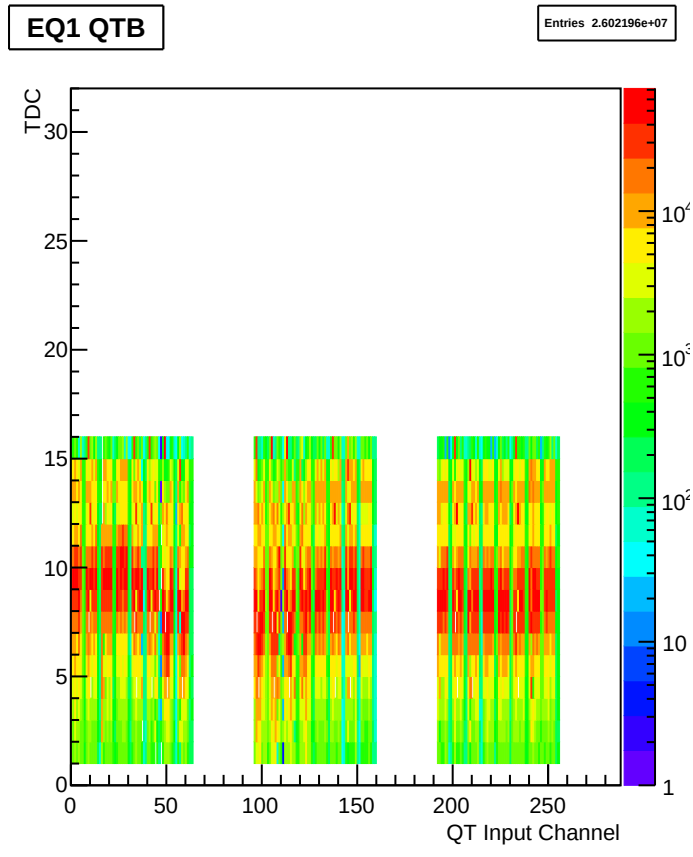

BBQ-VP001 East
Entries 4173360
ADC
QT Input Channel

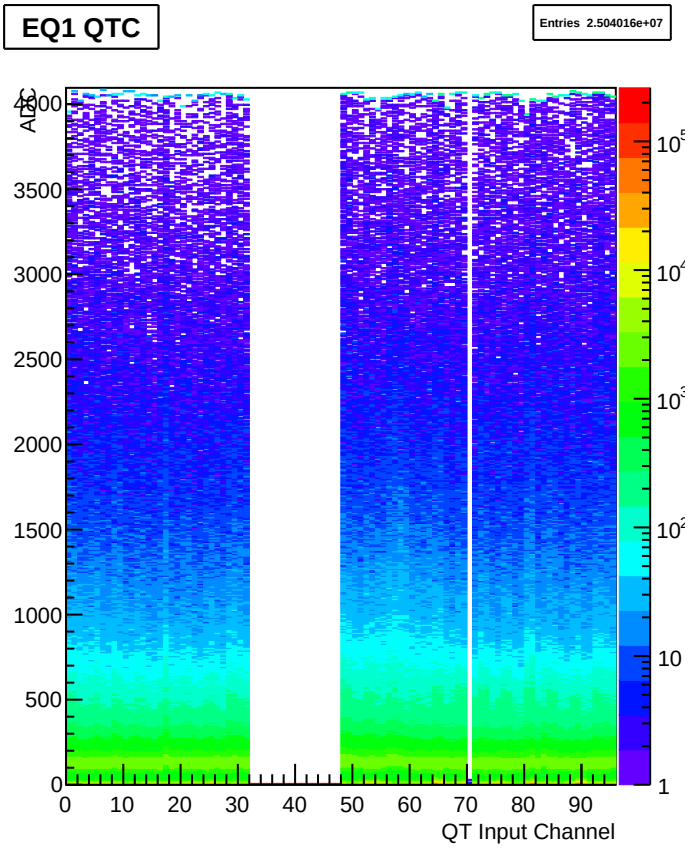

BBQ-VP001 East
Entries 4173360
TADC
QT Input Channel

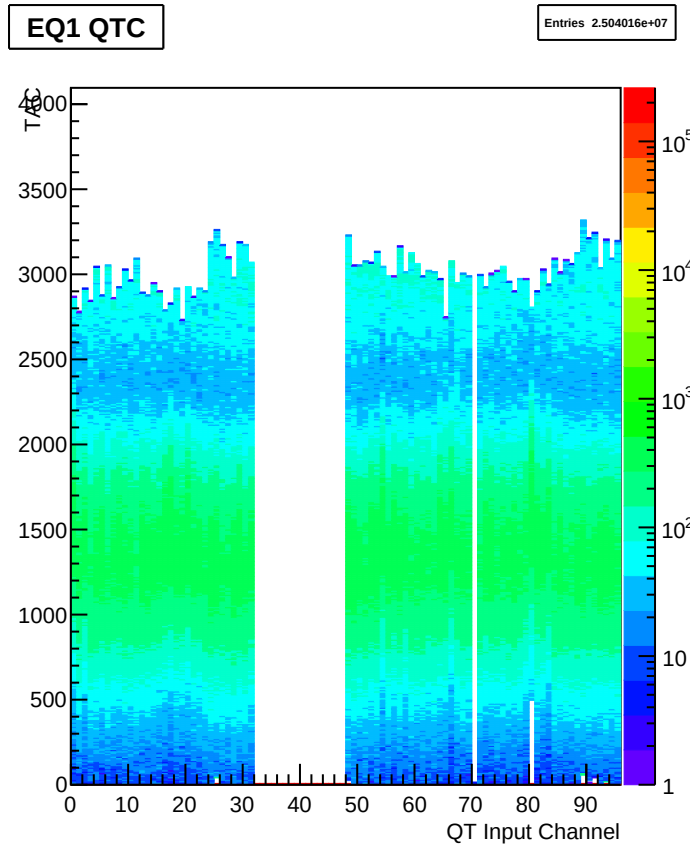

BBQ-VP002 West
Entries 4173360
ADC
QT Input Channel

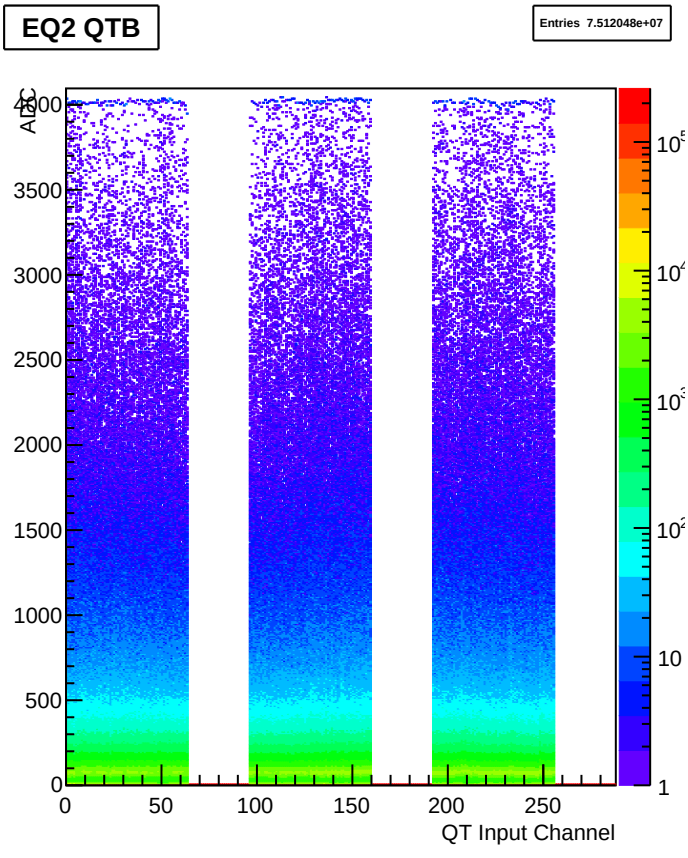

BBQ-VP002 West
Entries 4173360
TADC
QT Input Channel

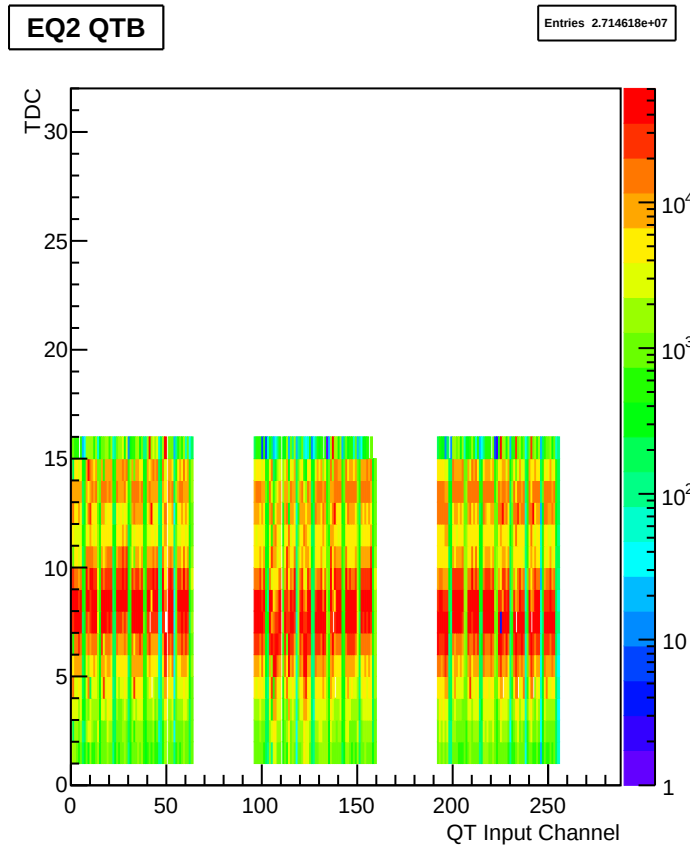

EQ1 QTB
Entries 7.512048e+07
ADC
QT Input Channel

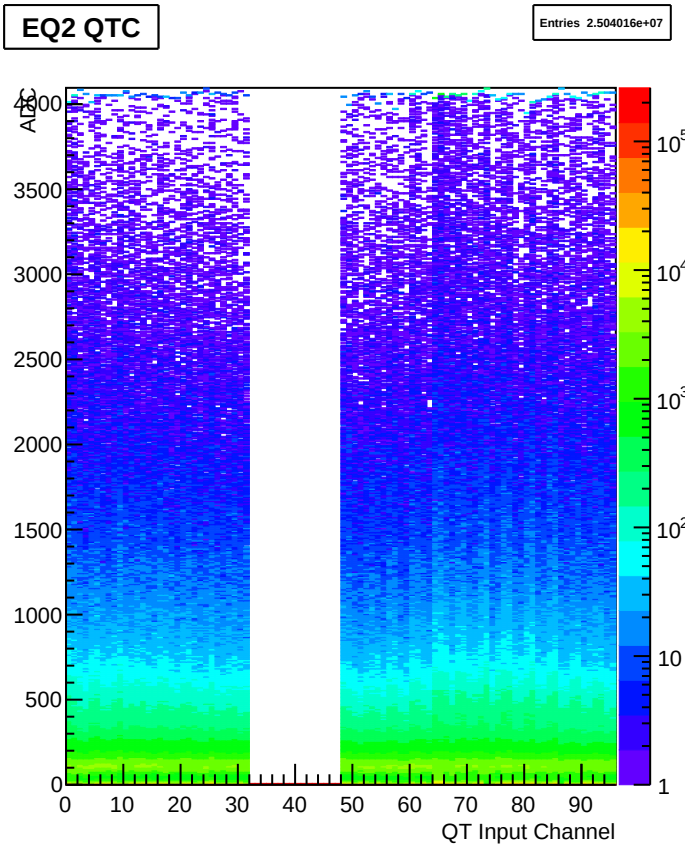

EQ1 QTB
Entries 2.602196e+07
TDC
QT Input Channel

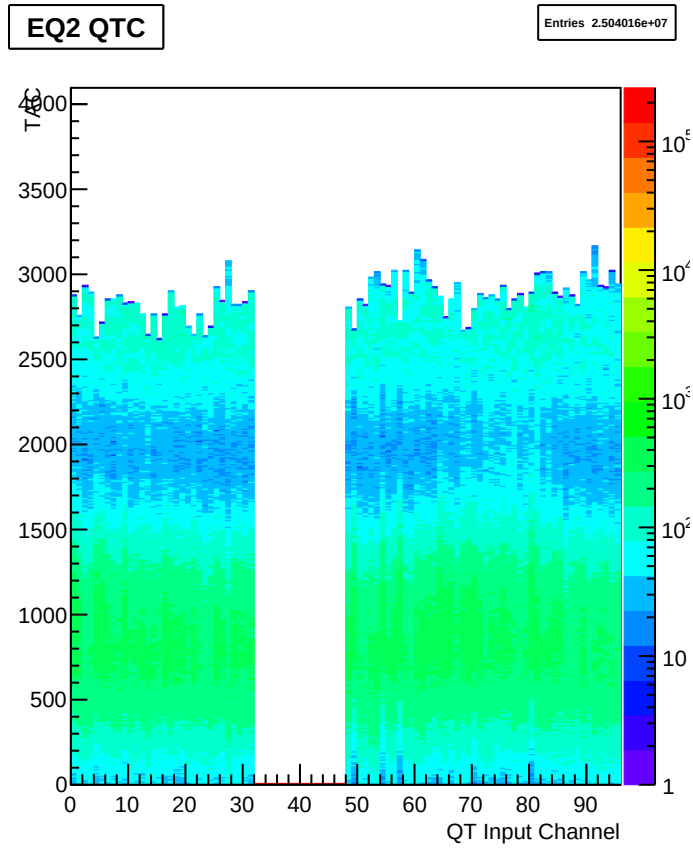

EQ1 QTC
Entries 2.504016e+07
ADC
QT Input Channel

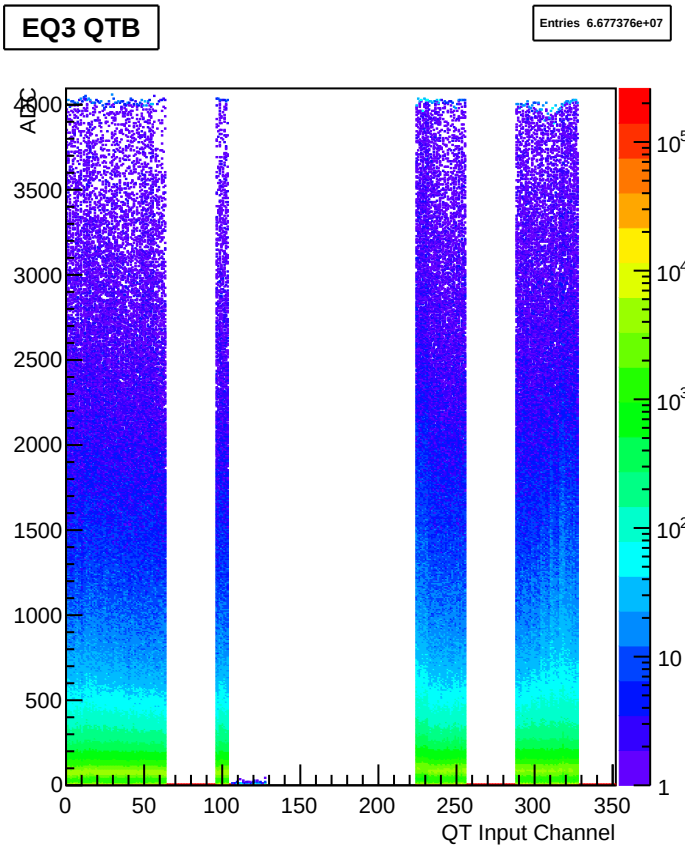

EQ1 QTC
Entries 2.504016e+07
TADC
QT Input Channel

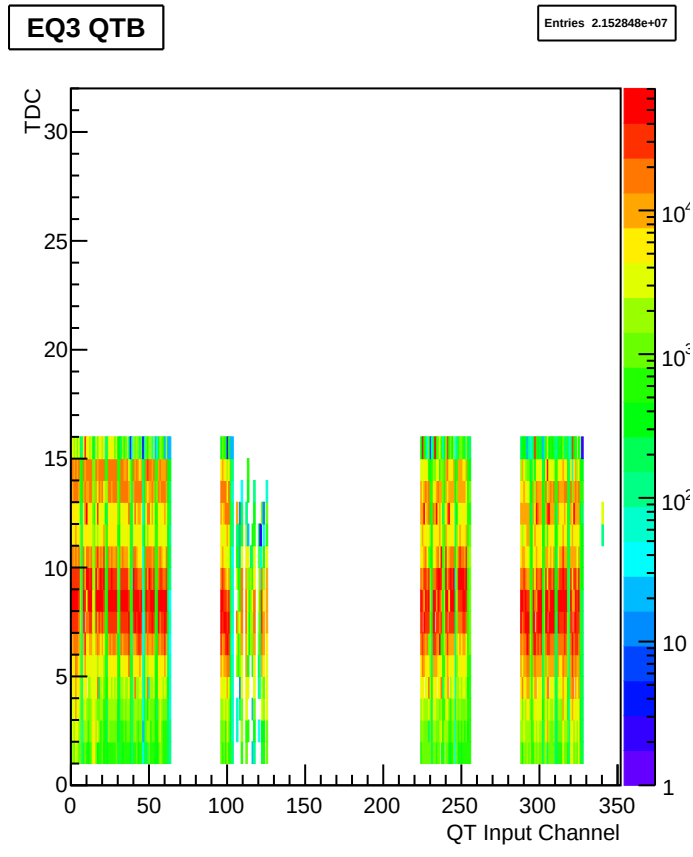

EQ2 QTB
Entries 7.512048e+07
ADC
QT Input Channel

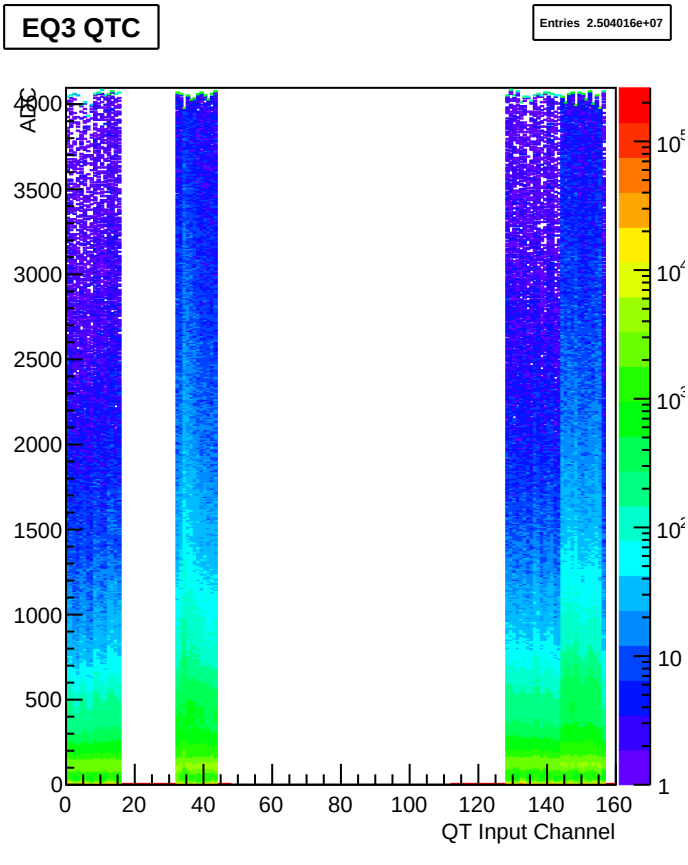

EQ2 QTB
Entries 2.714618e+07
TDC
QT Input Channel

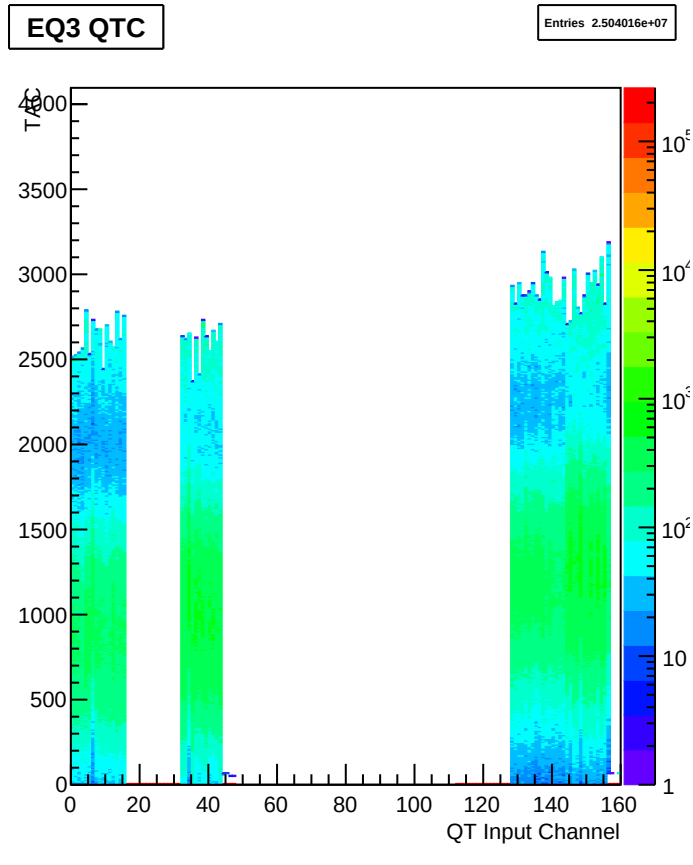

EQ2 QTC
Entries 2.504016e+07
ADC
QT Input Channel

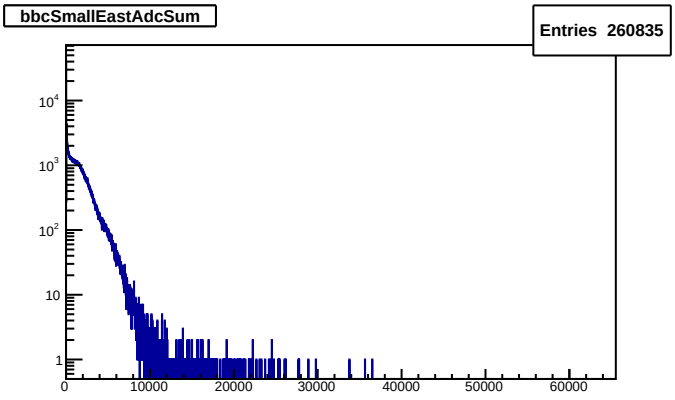

EQ2 QTC
Entries 2.504016e+07
TADC
QT Input Channel

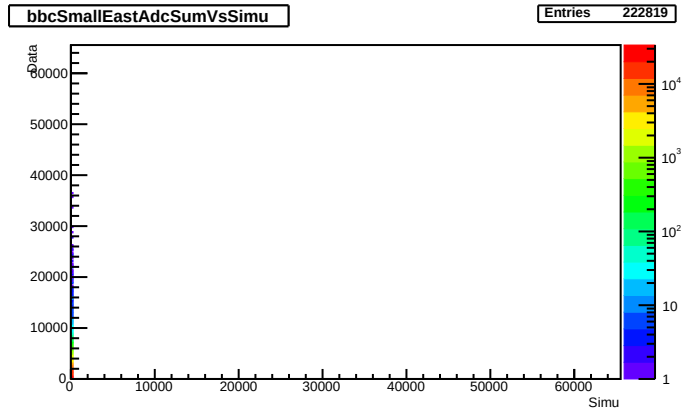

EQ3 QTB
Entries 6.677376e+07
ADC
QT Input Channel

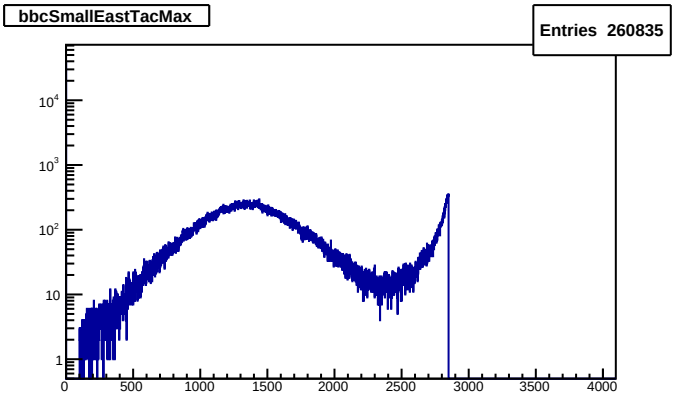

EQ3 QTB
Entries 2.152848e+07
TDC
QT Input Channel

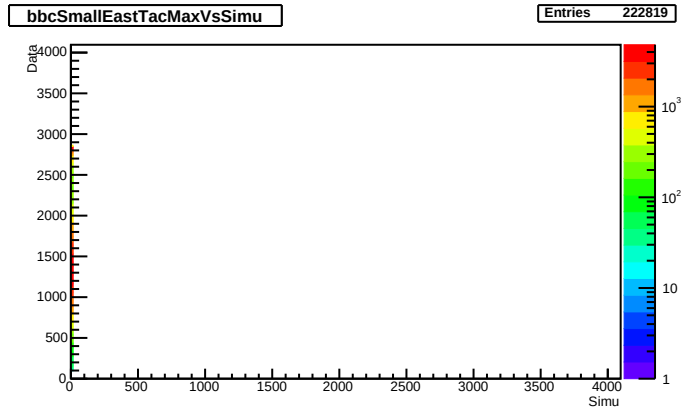

EQ3 QTC
Entries 2.504016e+07
ADC
QT Input Channel

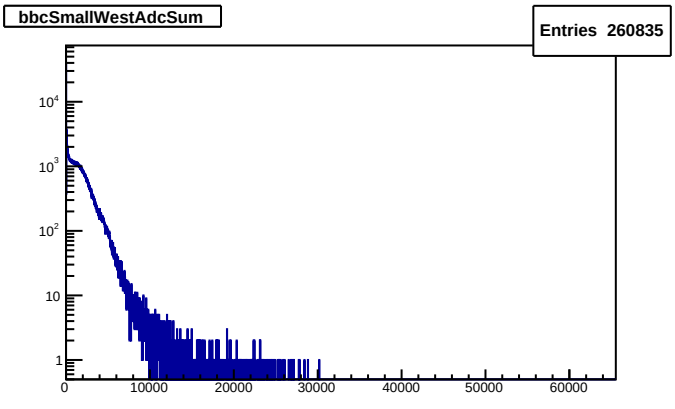

EQ3 QTC
Entries 2.504016e+07
TADC
QT Input Channel

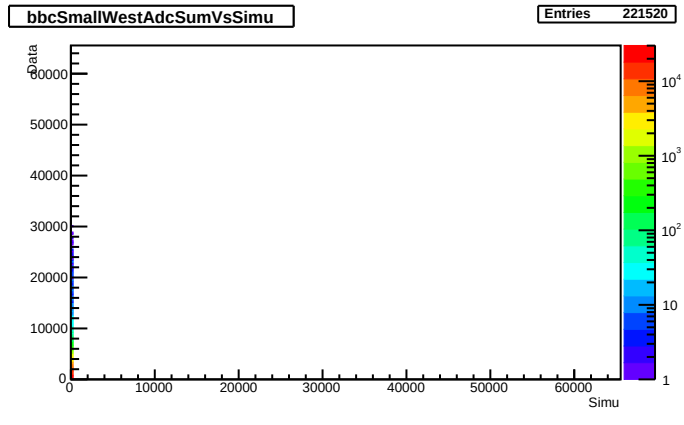

bbcSmallEastAdcSum
Entries 260835


bbcSmallEastAdcSumVsSimu
Entries 222819
Data
Simu


bbcSmallEastTacMax
Entries 260835


bbcSmallEastTacMaxVsSimu
Entries 222819
Data
Simu


bbcSmallWestAdcSum
Entries 260835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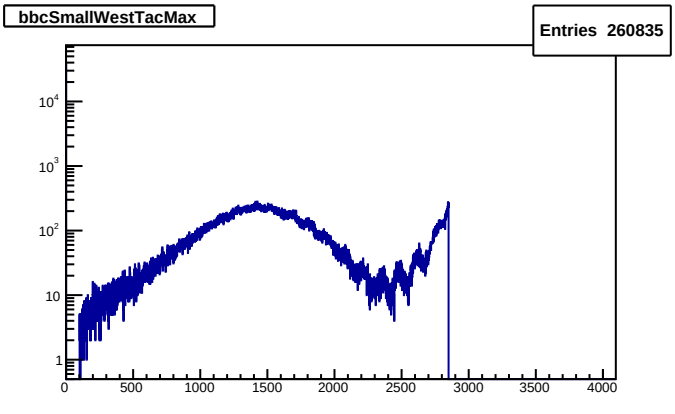
Entries 221520
Data
Simu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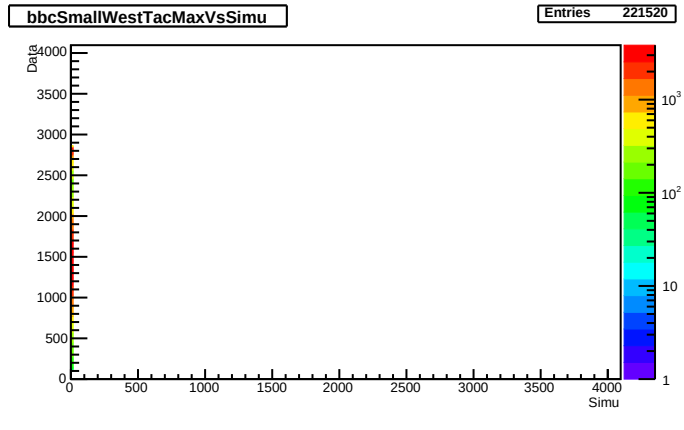
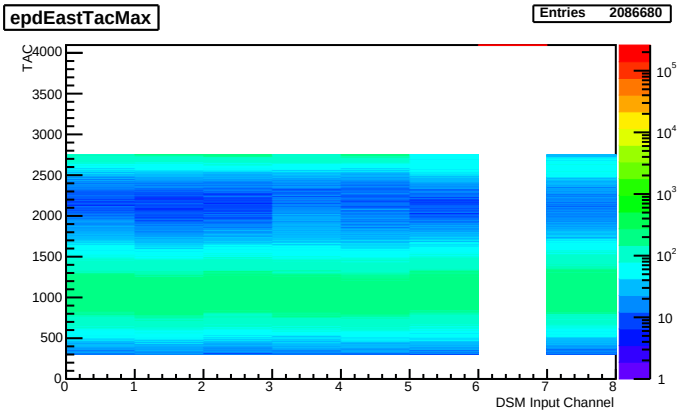
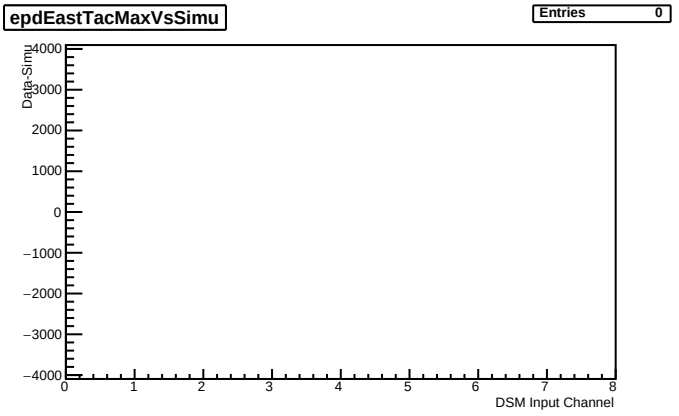
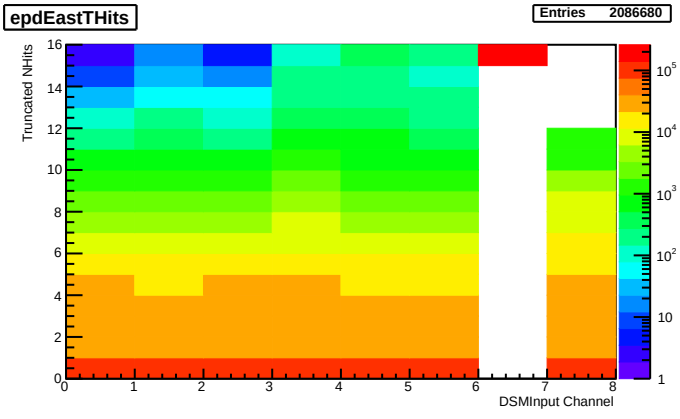
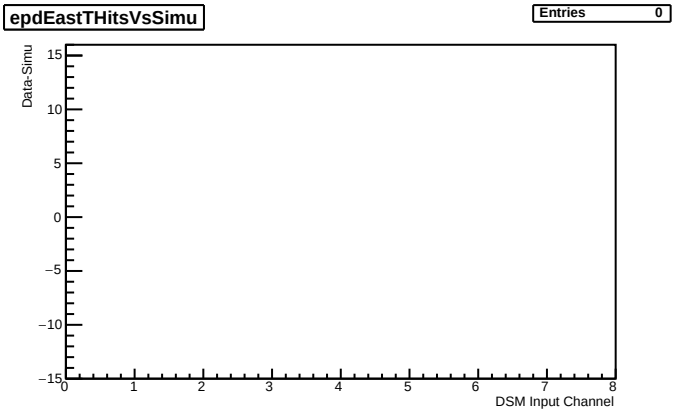
Entries 260835


bbcSmallWestTacMaxVsSimu
Entries 221520
Data
Simu


epdEastTacMax
Entries 2086680
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2086680
Truncated NHits
DSMInput Channel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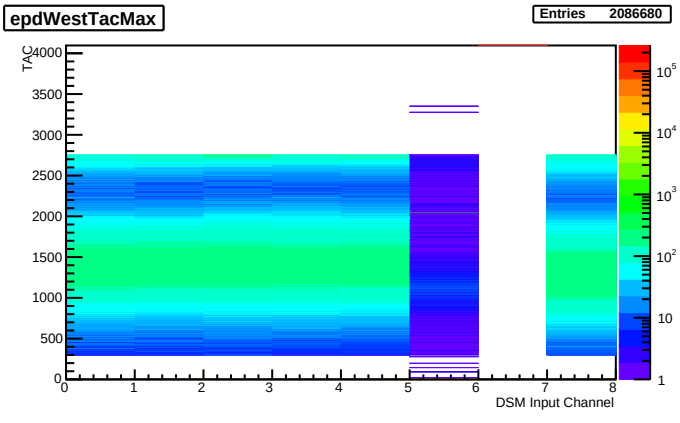
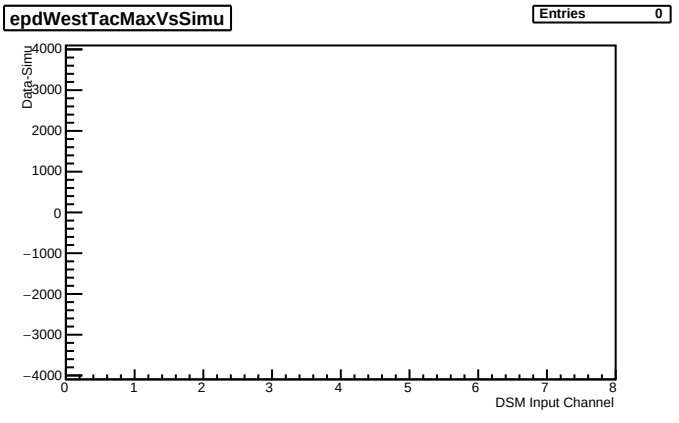
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 2086680
TAC
DSM Input Channel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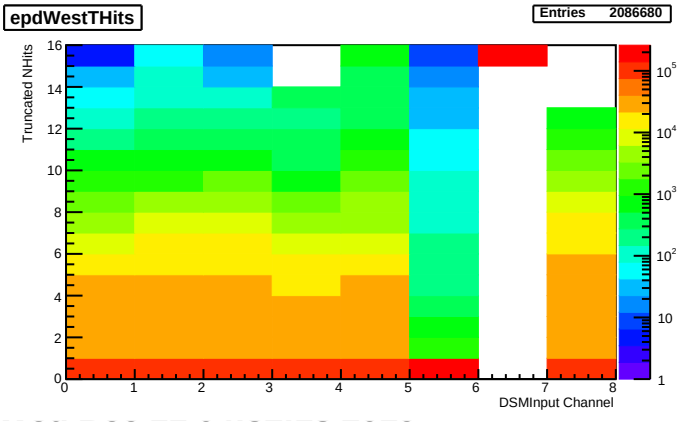
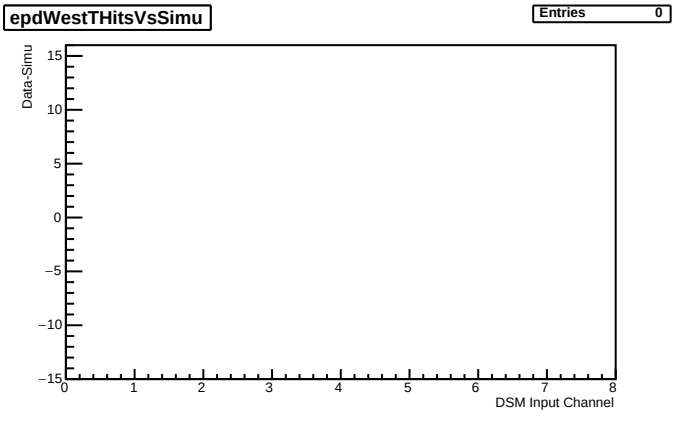
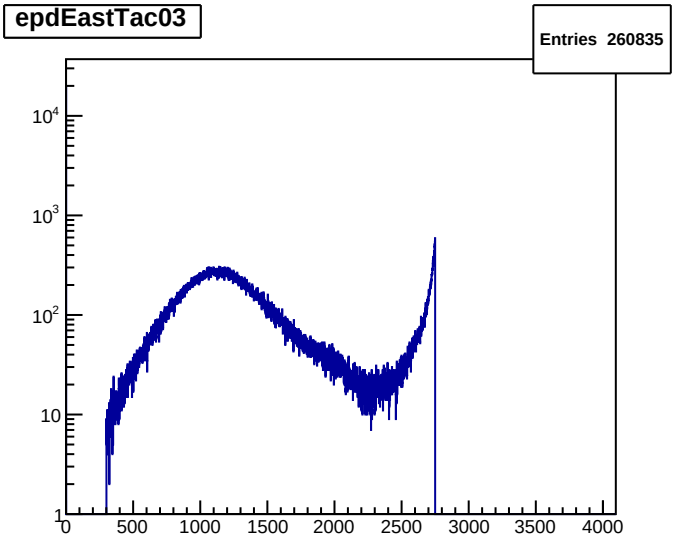
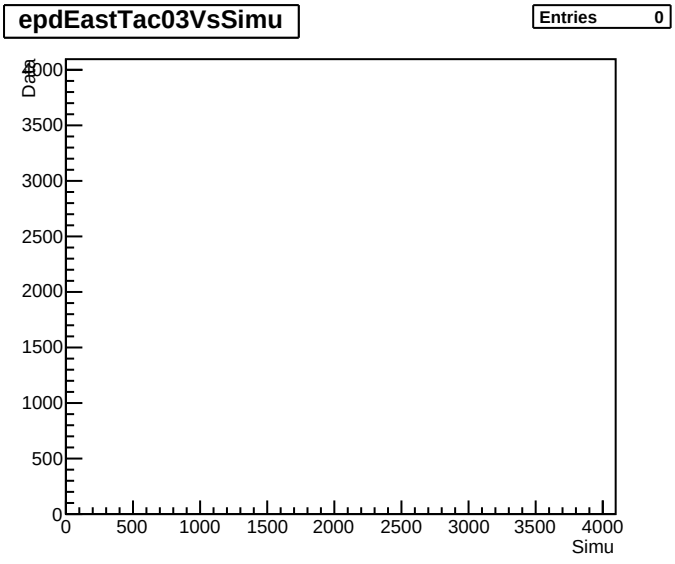
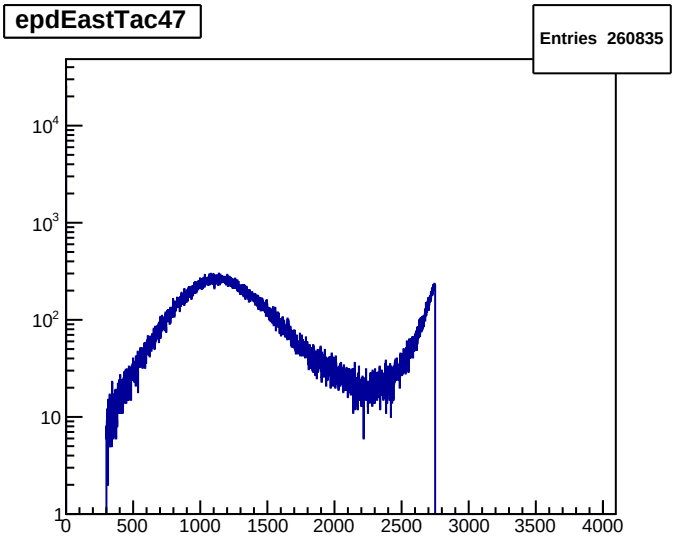
Entries 0
Data-Simu
DSM Input Channel

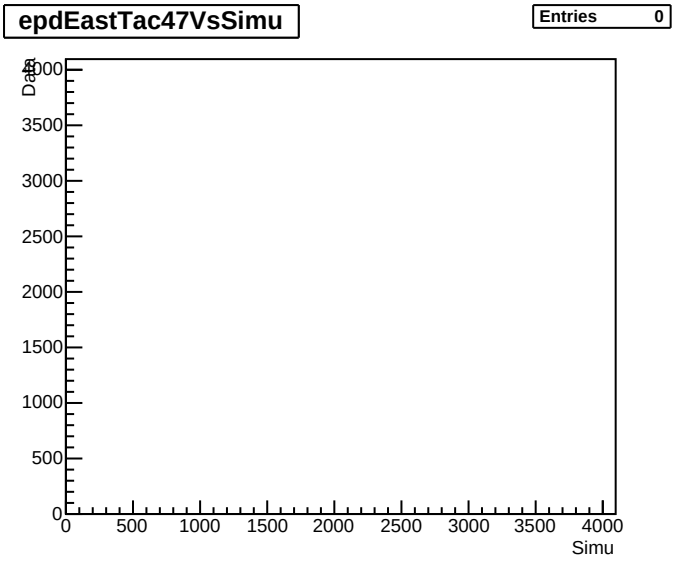

epdWestTHits
Entries 2086680
Truncated NHits
DSMInput Channel

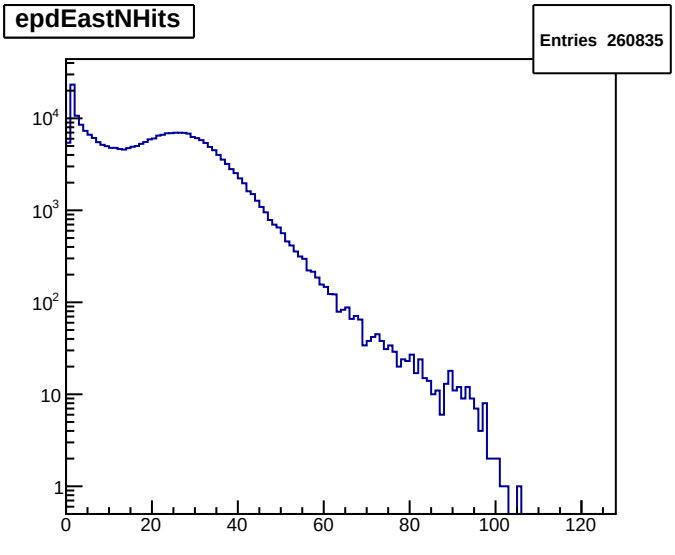

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

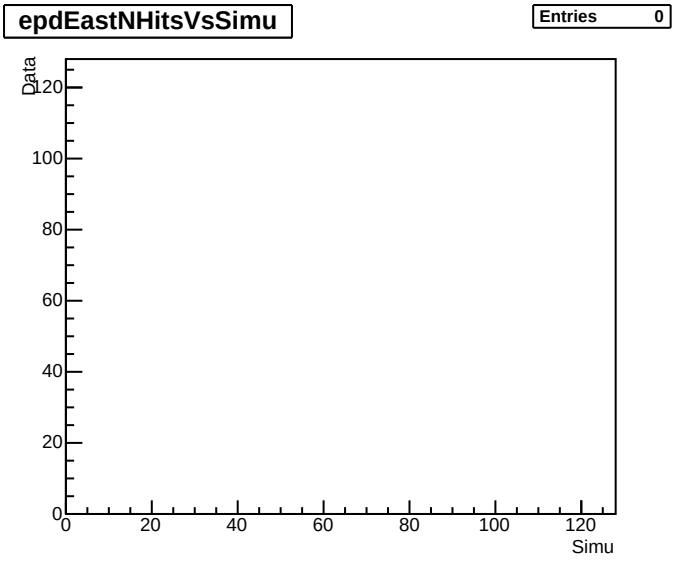

epdEastTac03
Entries 260835


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 260835


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 260835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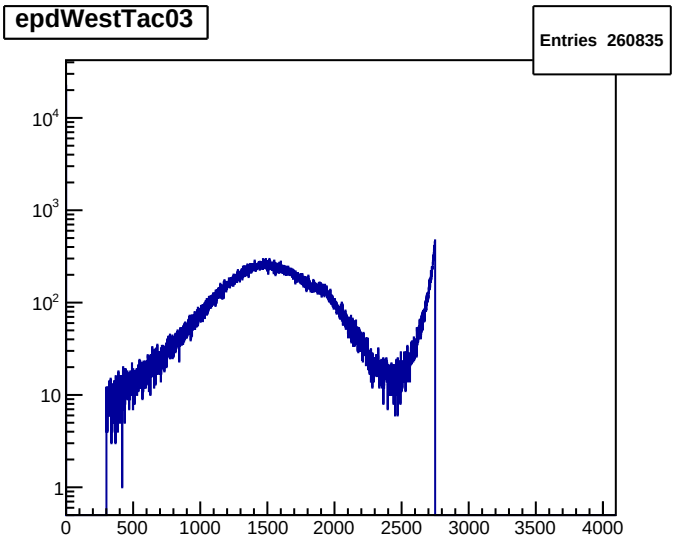
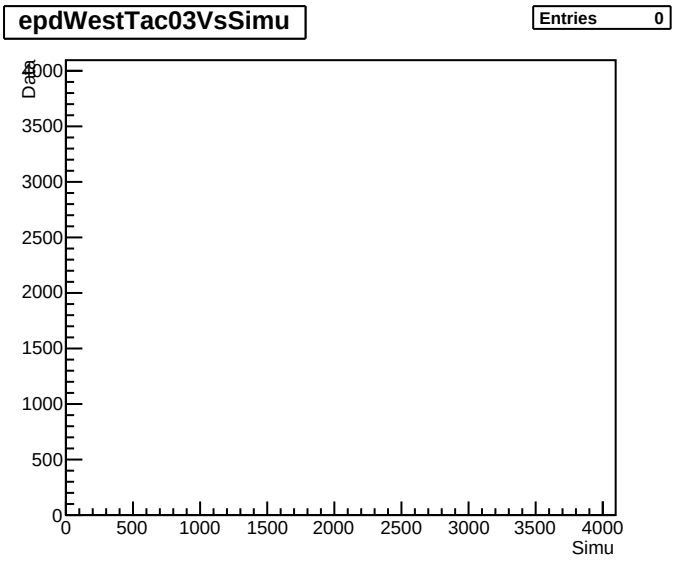
Entries 0
Data
Simu


epdWestTac03
Entries 260835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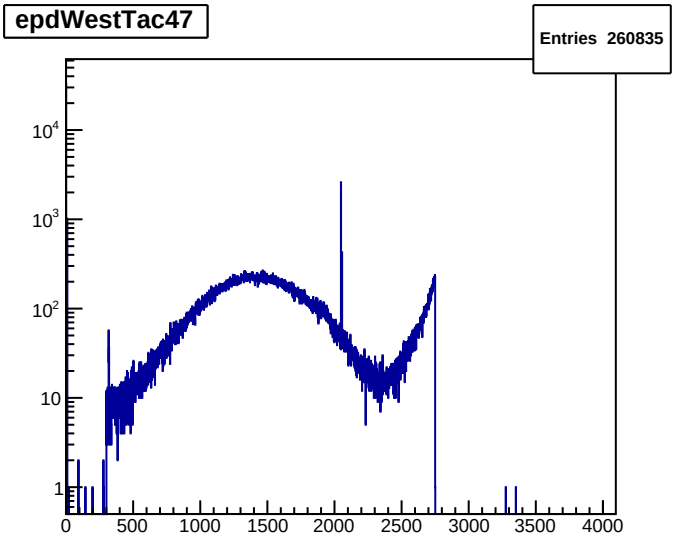
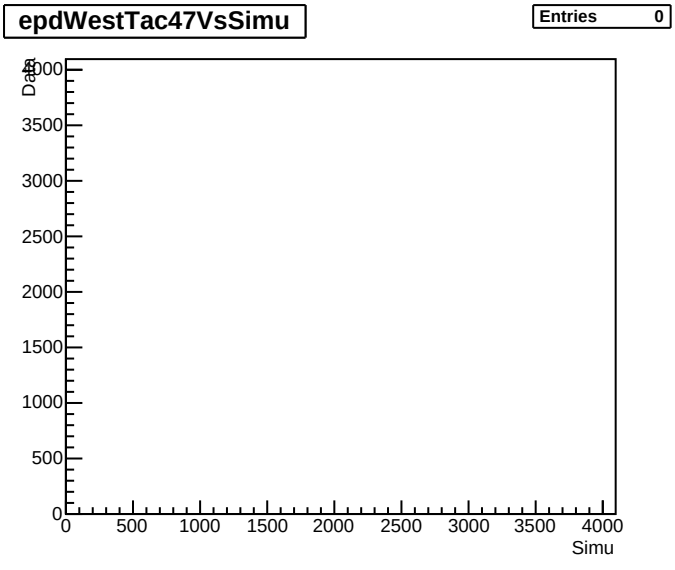
Entries 0
Data
Simu


epdWestTac47
Entries 260835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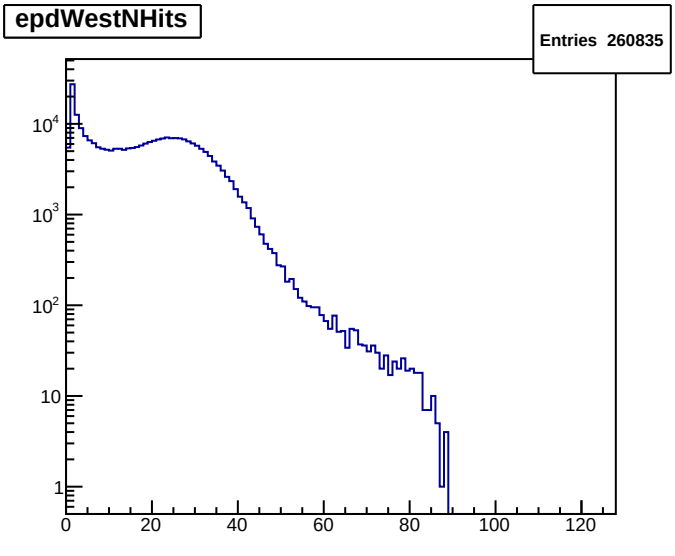
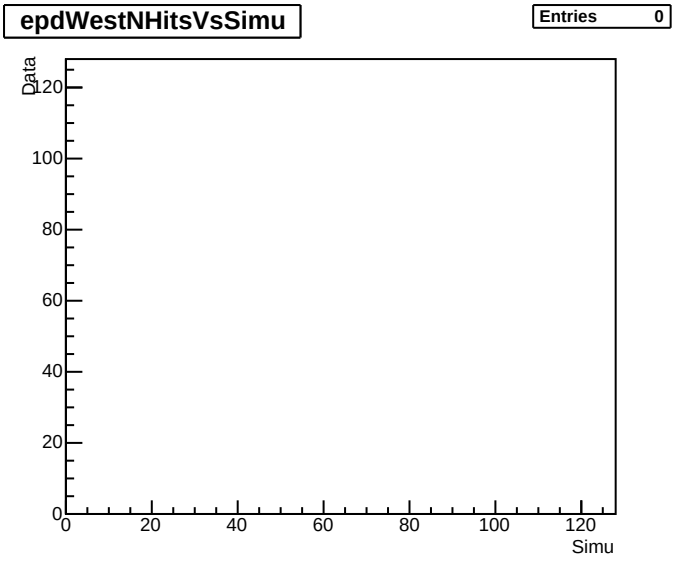
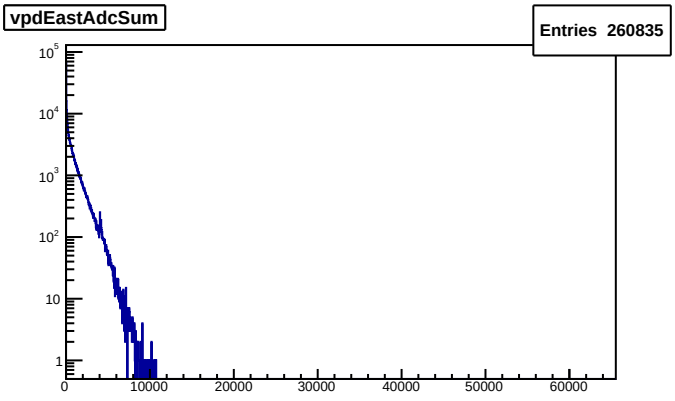
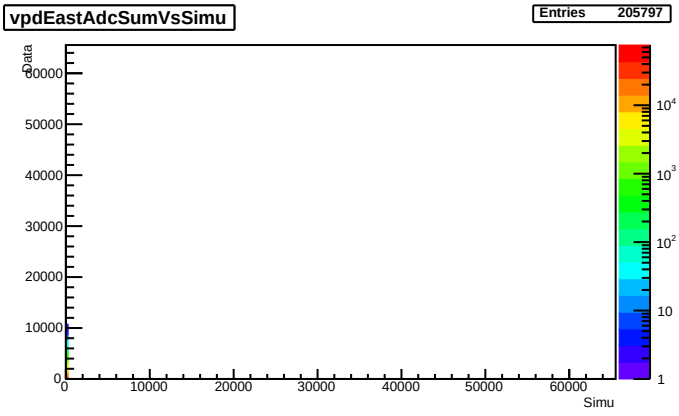
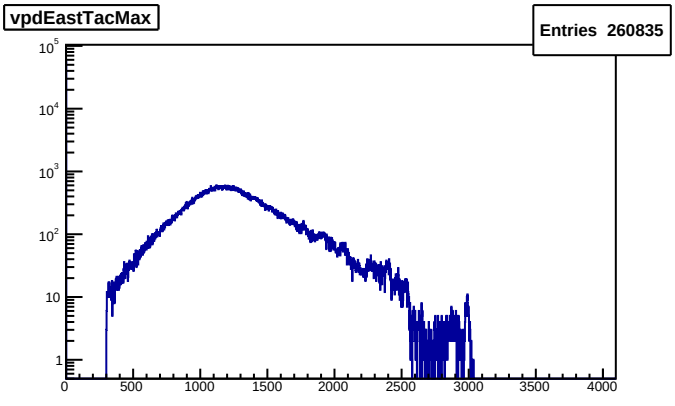
Entries 0
Data
Simu

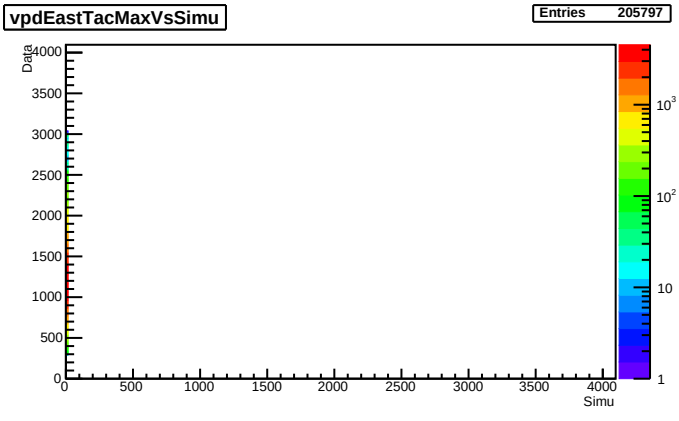

epdWestNHits
Entries 260835

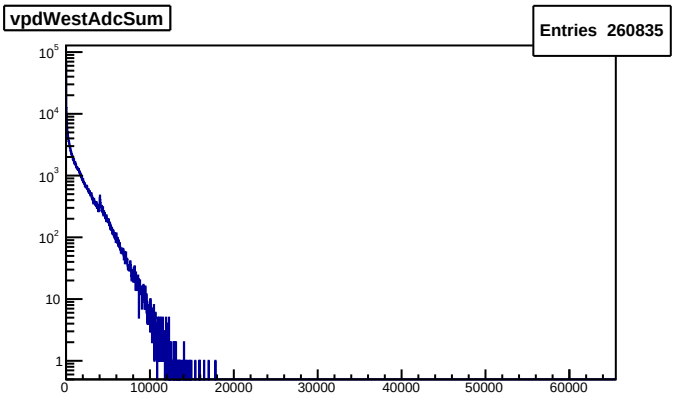

epdWestNHitsVsSimu
Entries 0
Data
Simu

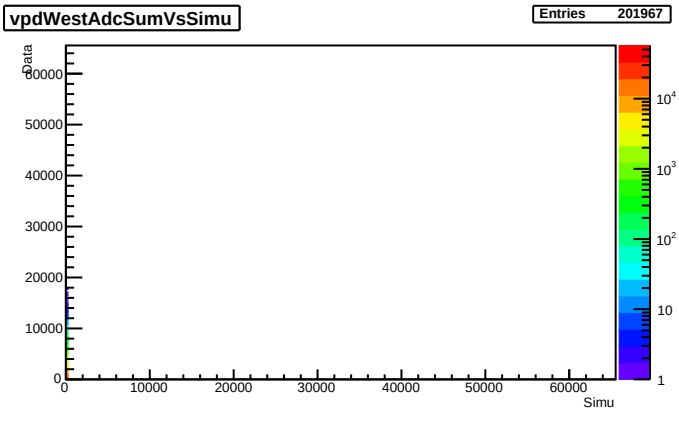

vpdEastAdcSum
Entries 260835

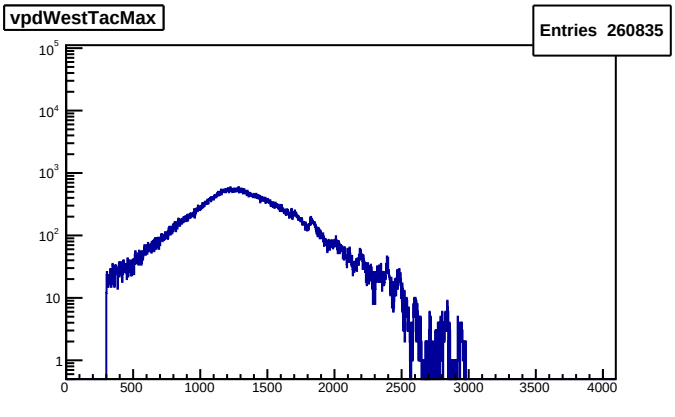

vpdEastAdcSumVsSimu
Entries 205797
Data
Simu

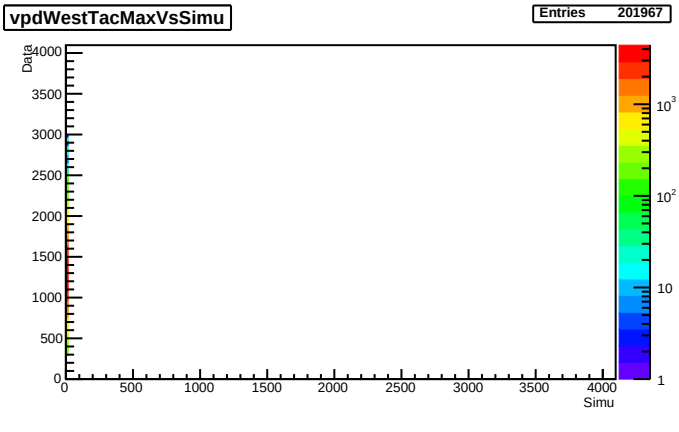

vpdEastTacMax
Entries 260835

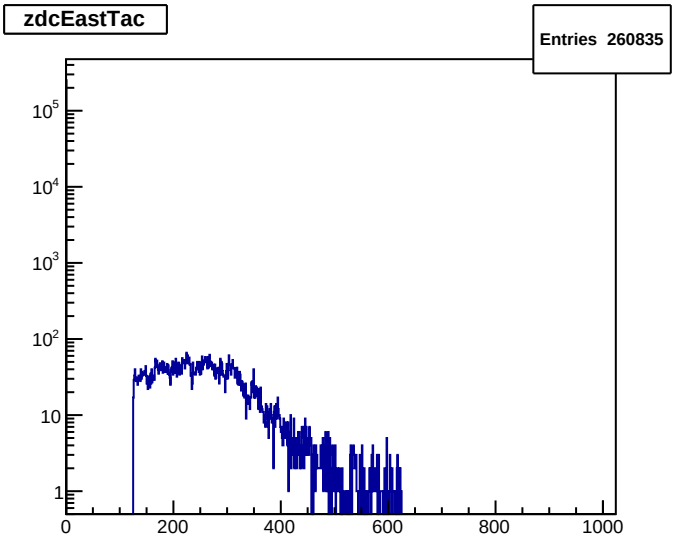

vpdEastTacMaxVsSimu
Entries 205797
Data
Simu

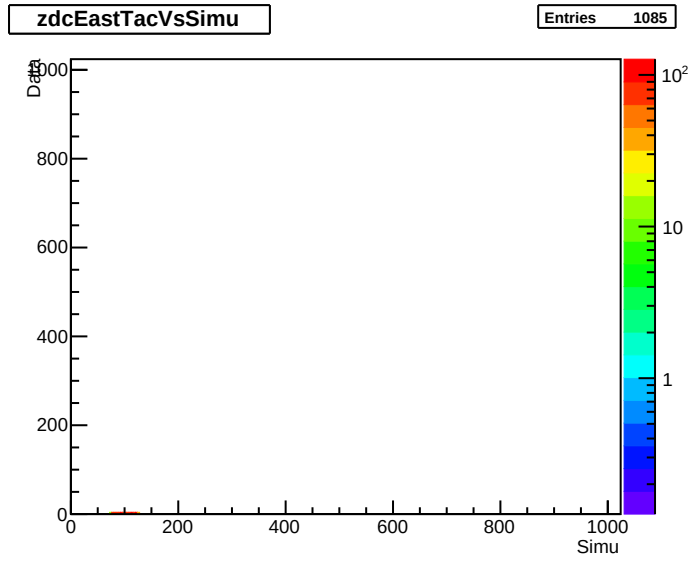

vpdWestAdcSum
Entries 260835

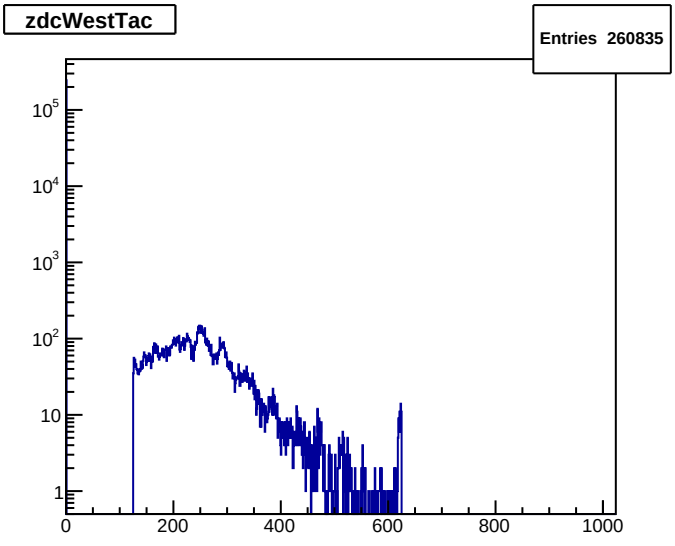

vpdWestAdcSumVsSimu
Entries 201967
Data
Simu

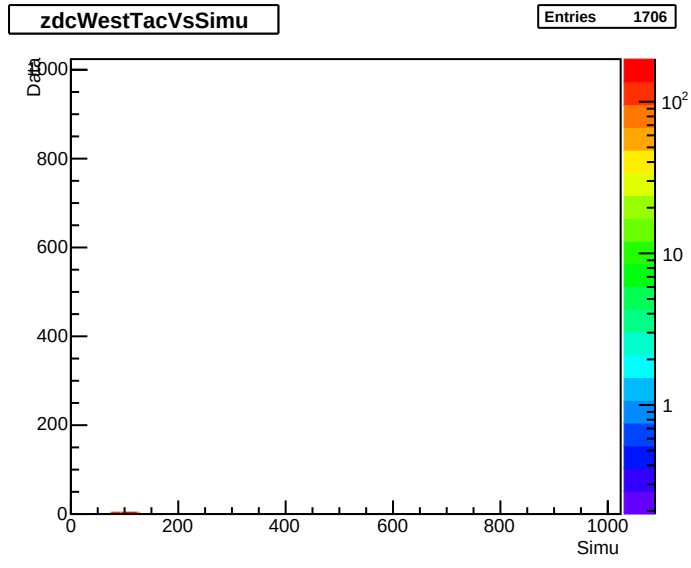

vpdWestTacMax
Entries 260835

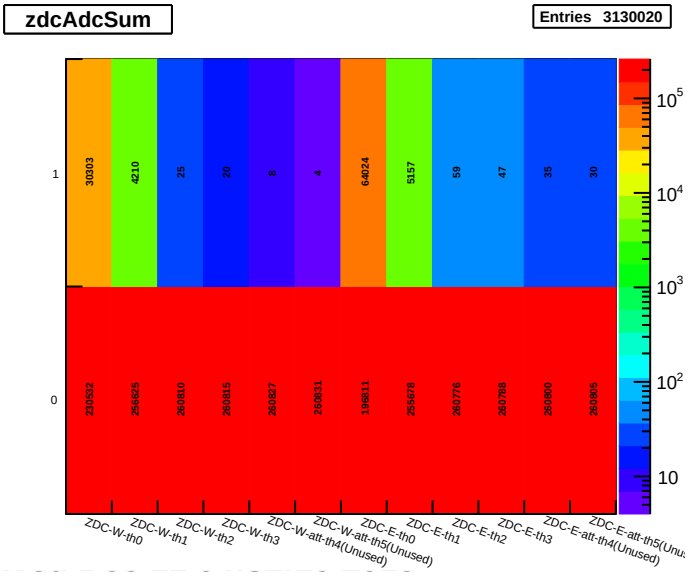

vpdWestTacMaxVsSimu
Entries 201967
Data
Simu

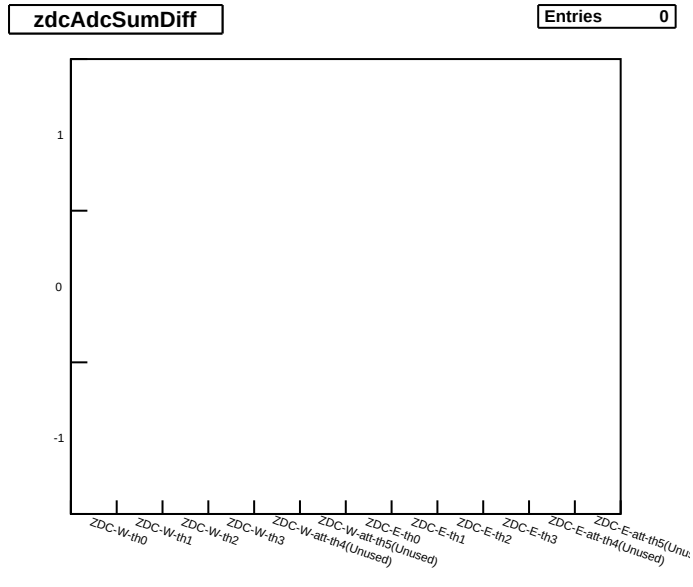

zdcEastTac
Entries 260835

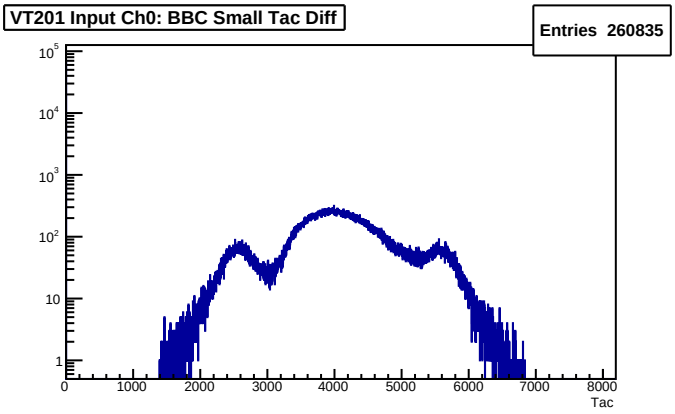

zdcEastTacVsSimu
Entries 1085
Data
Simu

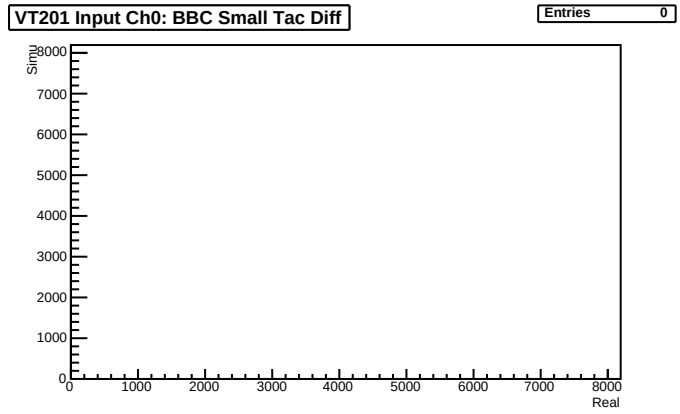

zdcWestTac
Entries 260835

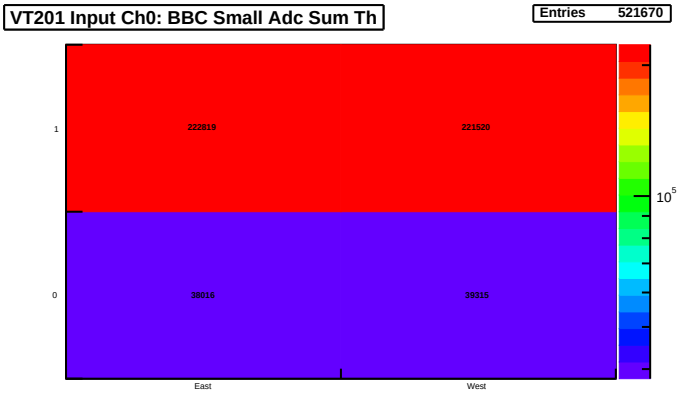

zdcWestTacVsSimu
Entries 1706
Data
Simu

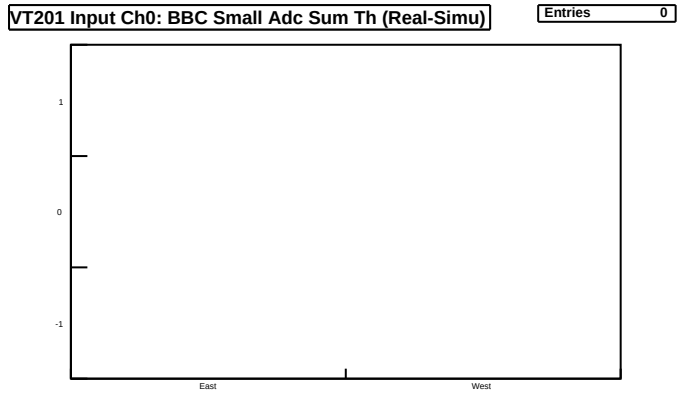

zdcAdcSum
Entries 3130020
30303
4210
25
20
8
4
64024
5157
59
47
35
30
220532
256625
260810
260815
260827
260831
196811
255678
260776
260788
260800
260805
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

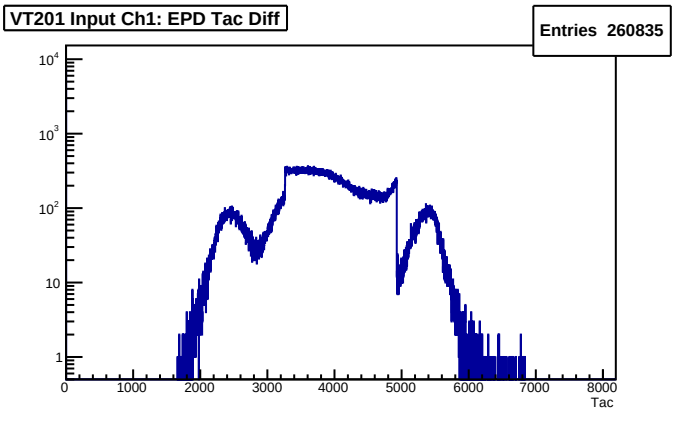

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

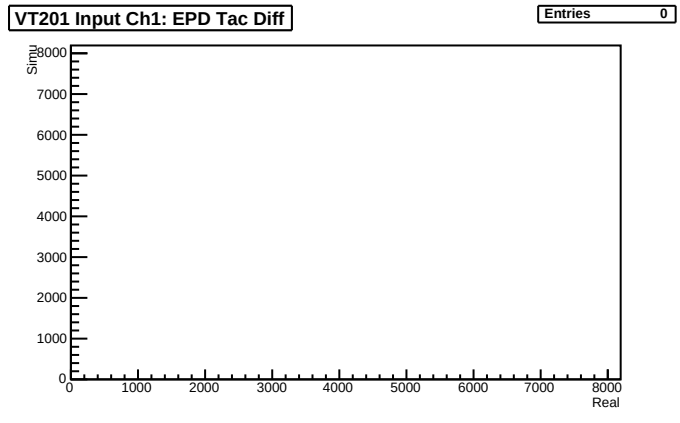

VT201 Input Ch0: BBC Small Tac Diff
Entries 260835
Tac

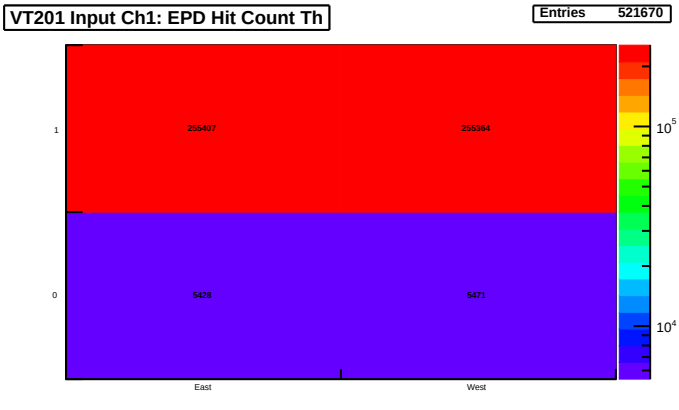

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

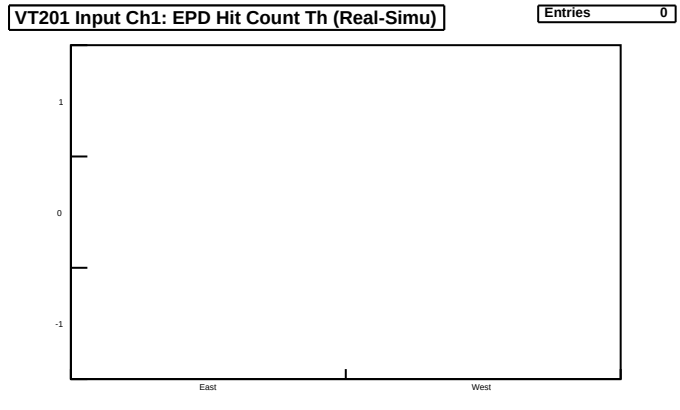

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 521670
222819
221520
38016
39315
East
West

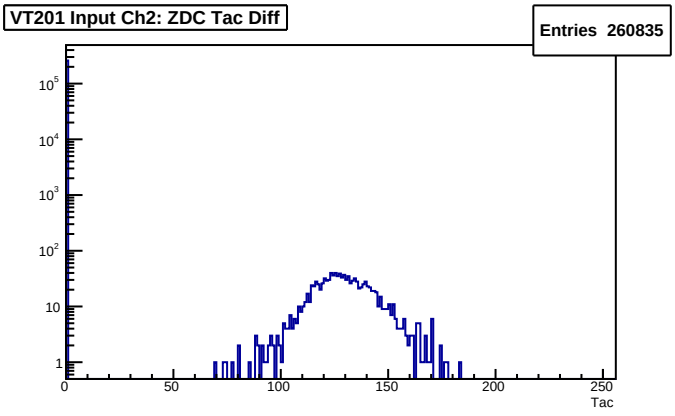

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

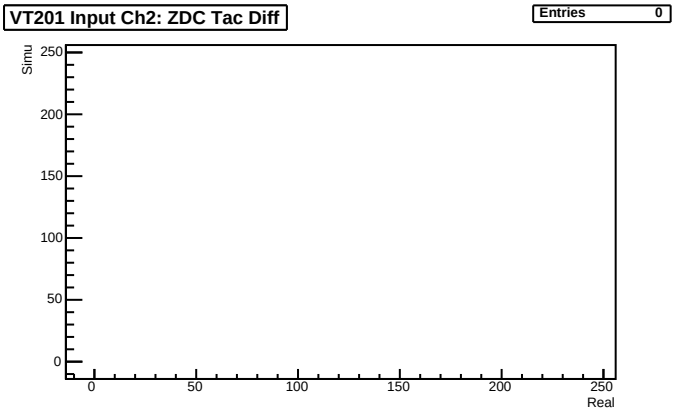

VT201 Input Ch1: EPD Tac Diff
Entries 260835
Tac

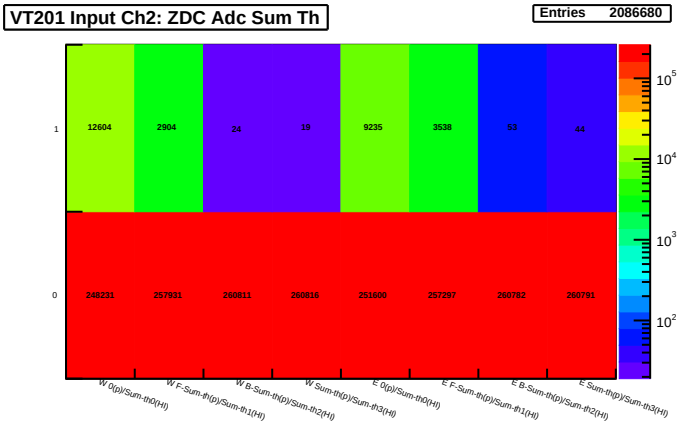

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

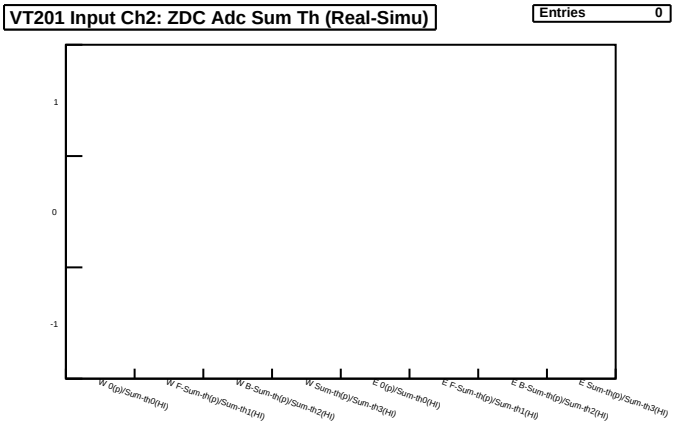

VT201 Input Ch1: EPD Hit Count Th
Entries 521670
255407
255364
5428
5471
East
West

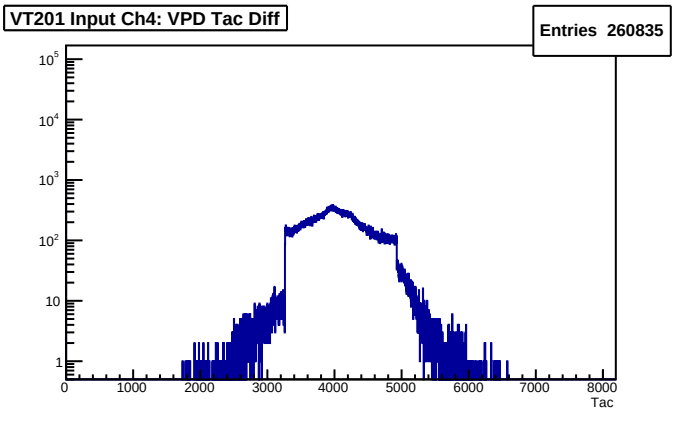

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

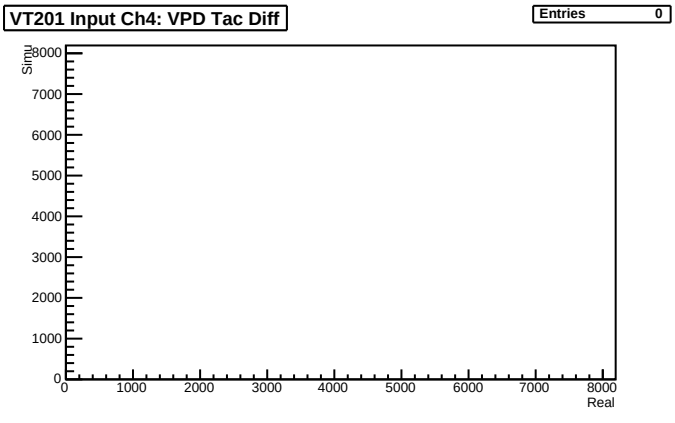

VT201 Input Ch2: ZDC Tac Diff
Entries 260835
Tac

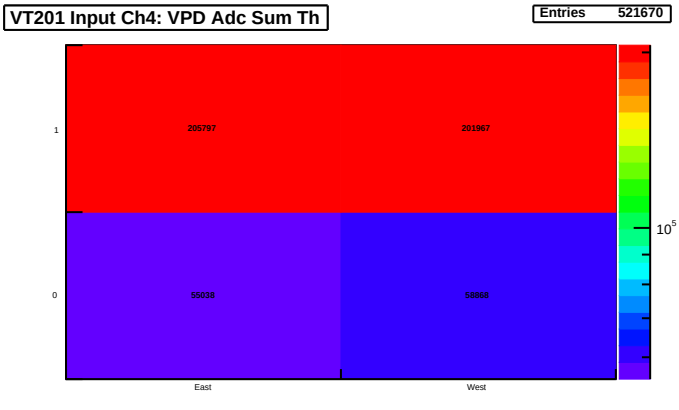

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

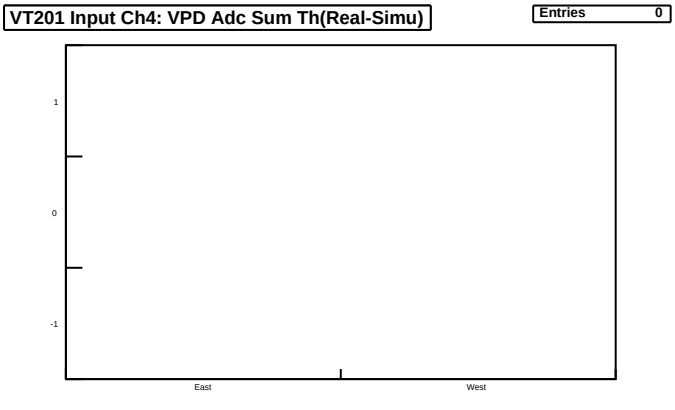

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2086680
12604
2904
24
19
9235
3538
53
44
248231
257931
260811
260816
251600
257297
260782
260791
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

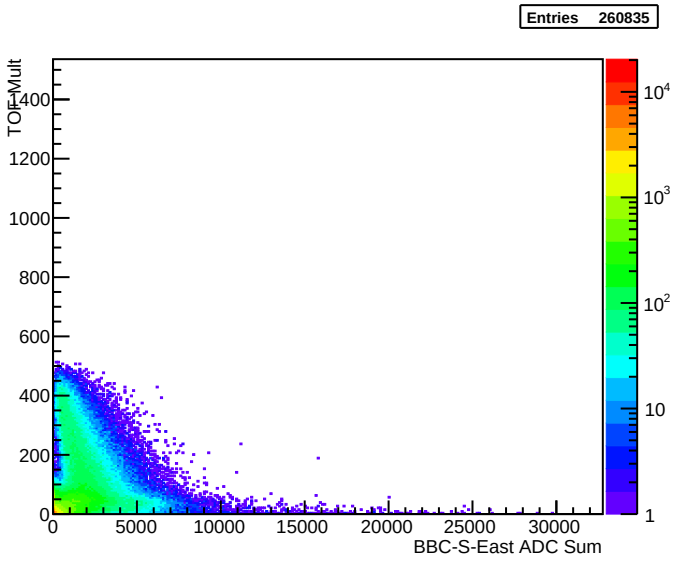

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

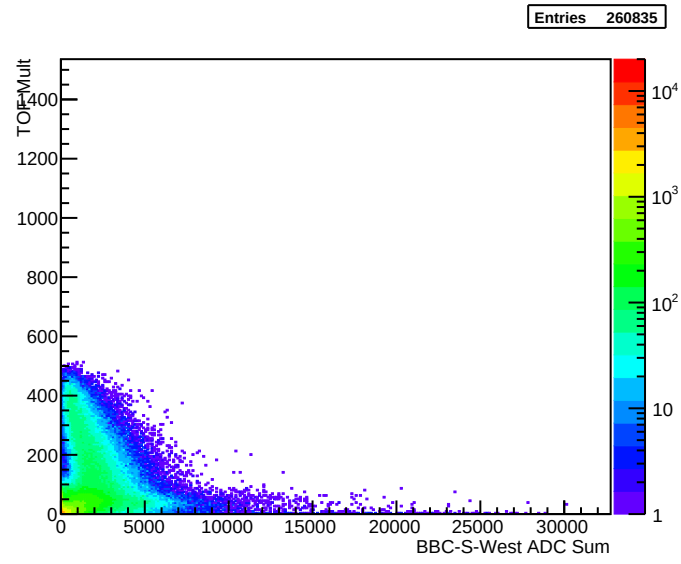

VT201 Input Ch4: VPD Tac Diff
Entries 260835
Tac

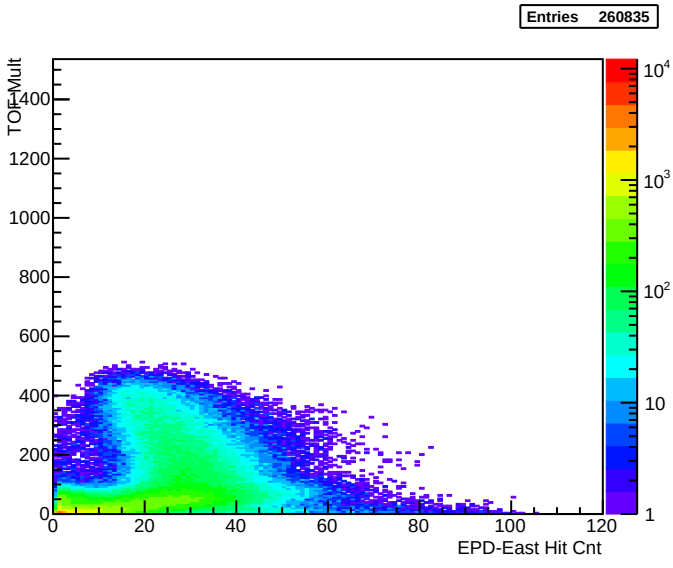

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

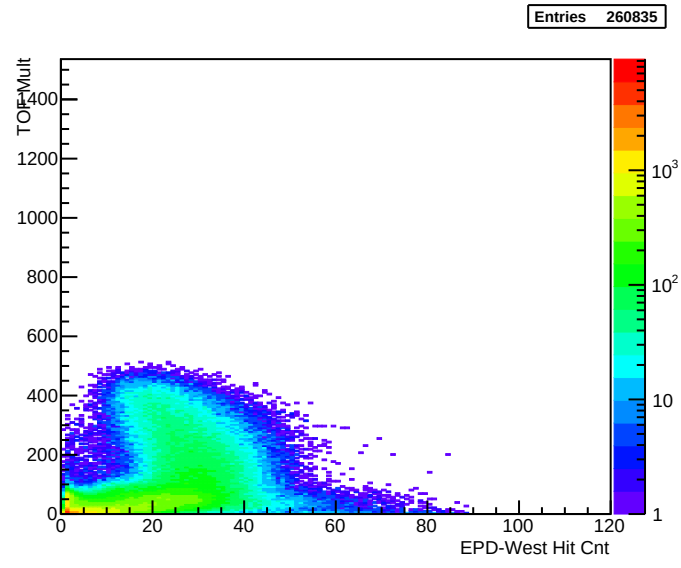

VT201 Input Ch4: VPD Adc Sum Th
Entries 521670
205797
201967
55038
58868
East
West

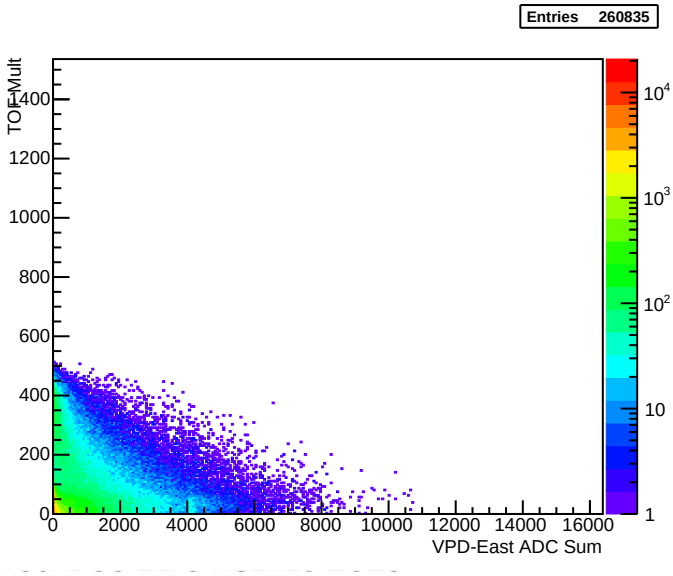

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

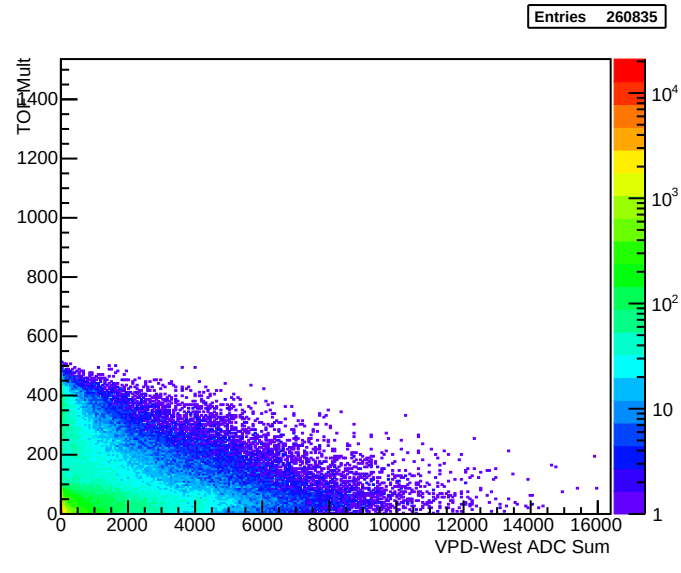

Entries 260835
TOF-Mult
BBC-S-East ADC Sum

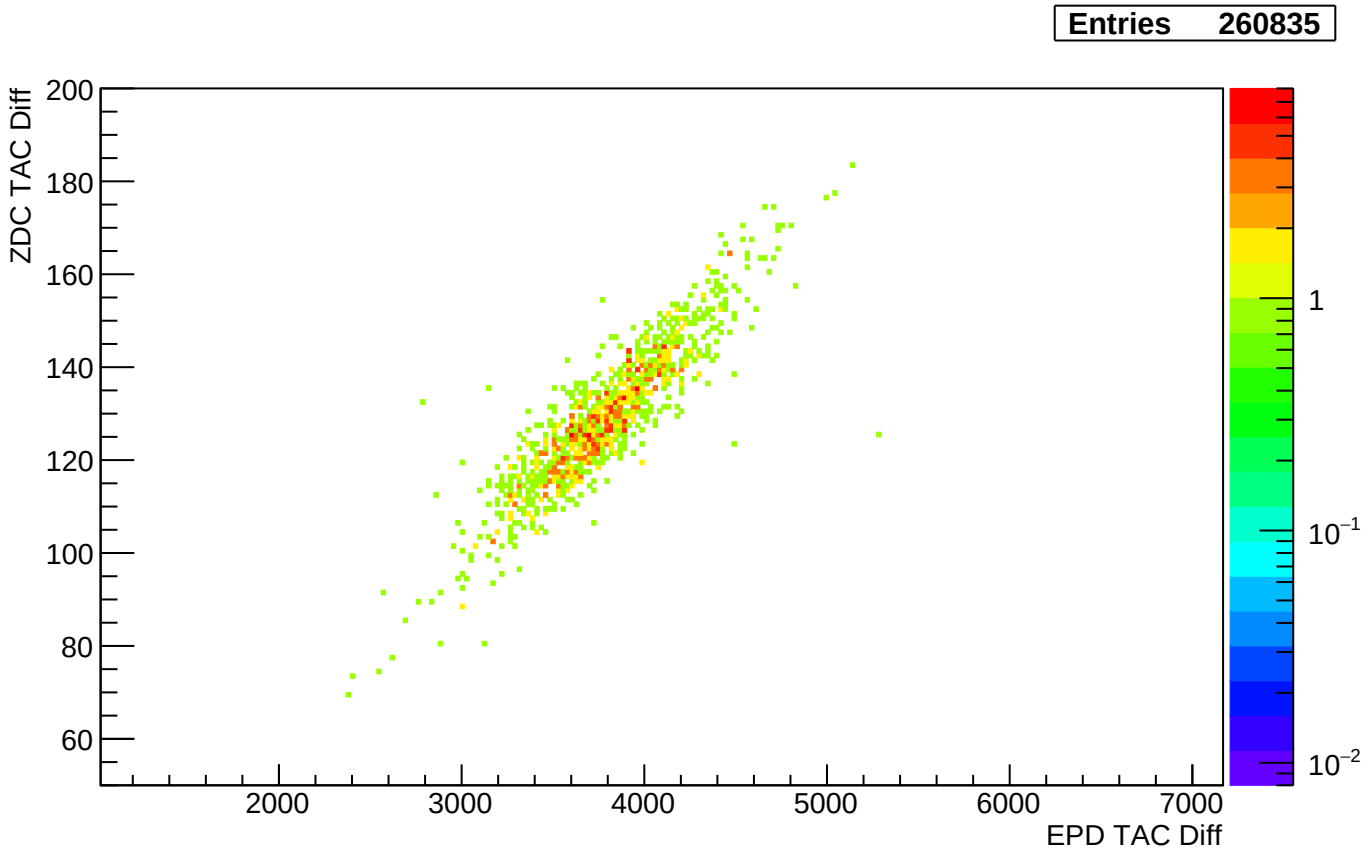

Entries 260835
TOF-Mult
BBC-S-West ADC Sum

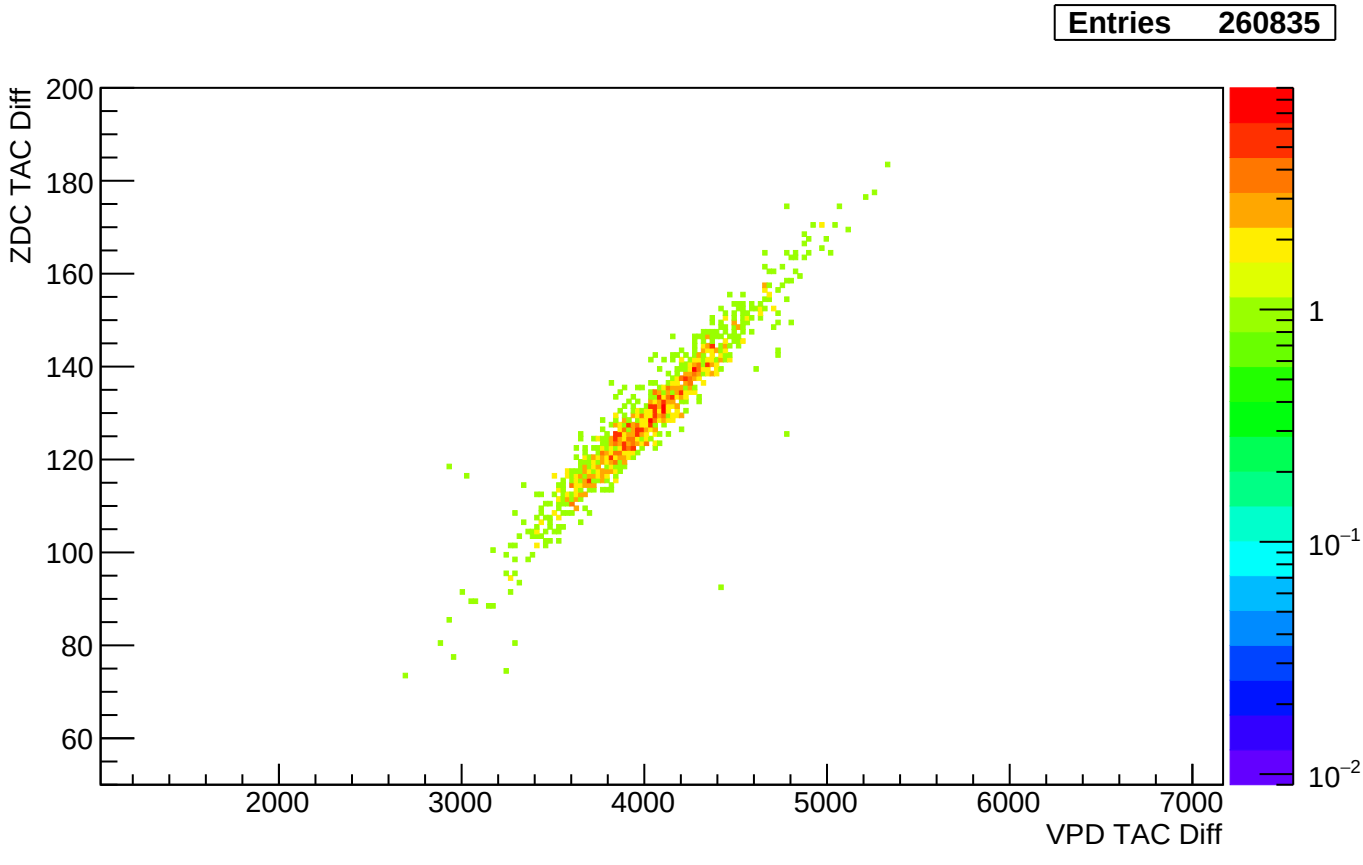

Entries 260835
TOF-Mult
EPD-East Hit Cnt

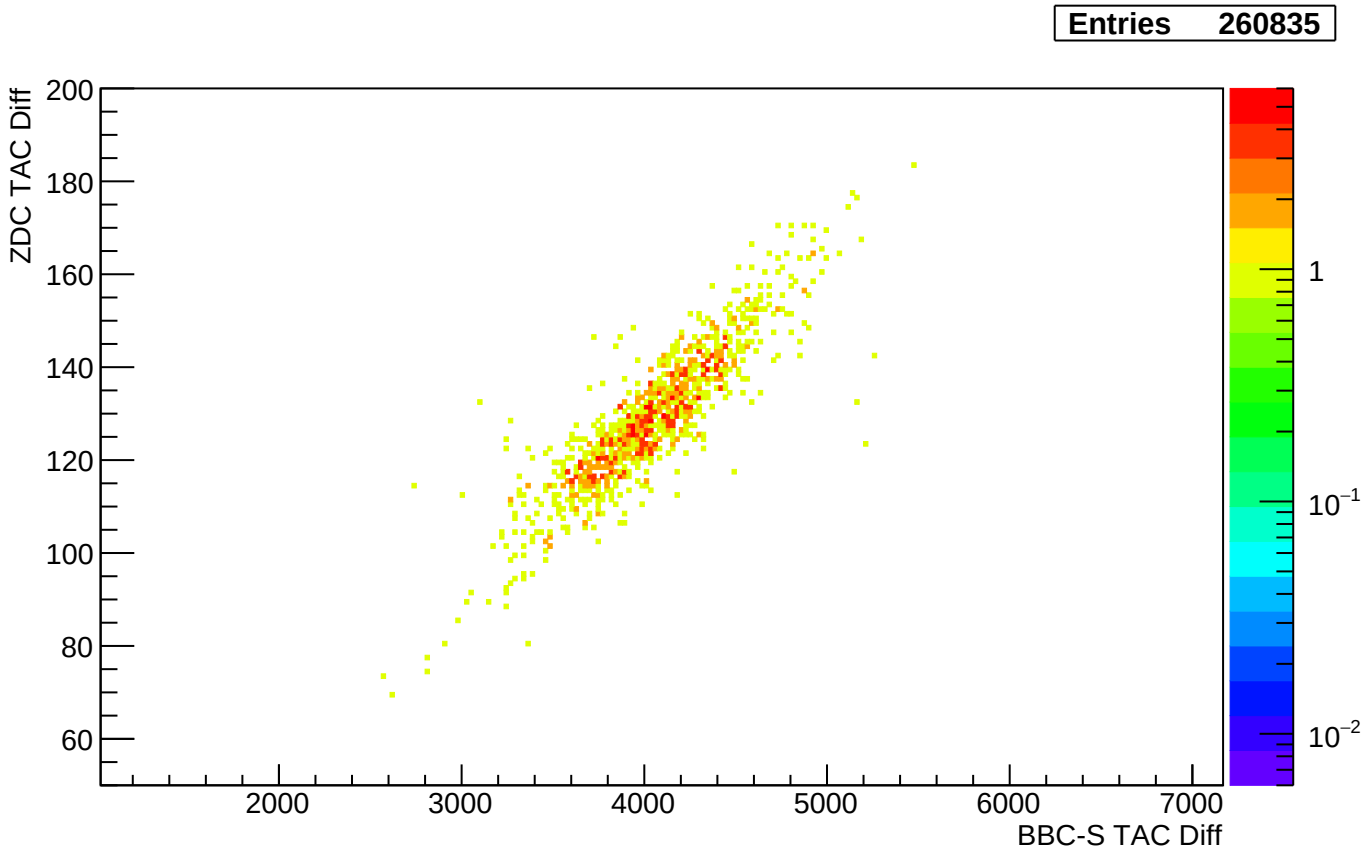

Entries 260835
TOF-Mult
EPD-West Hit Cnt

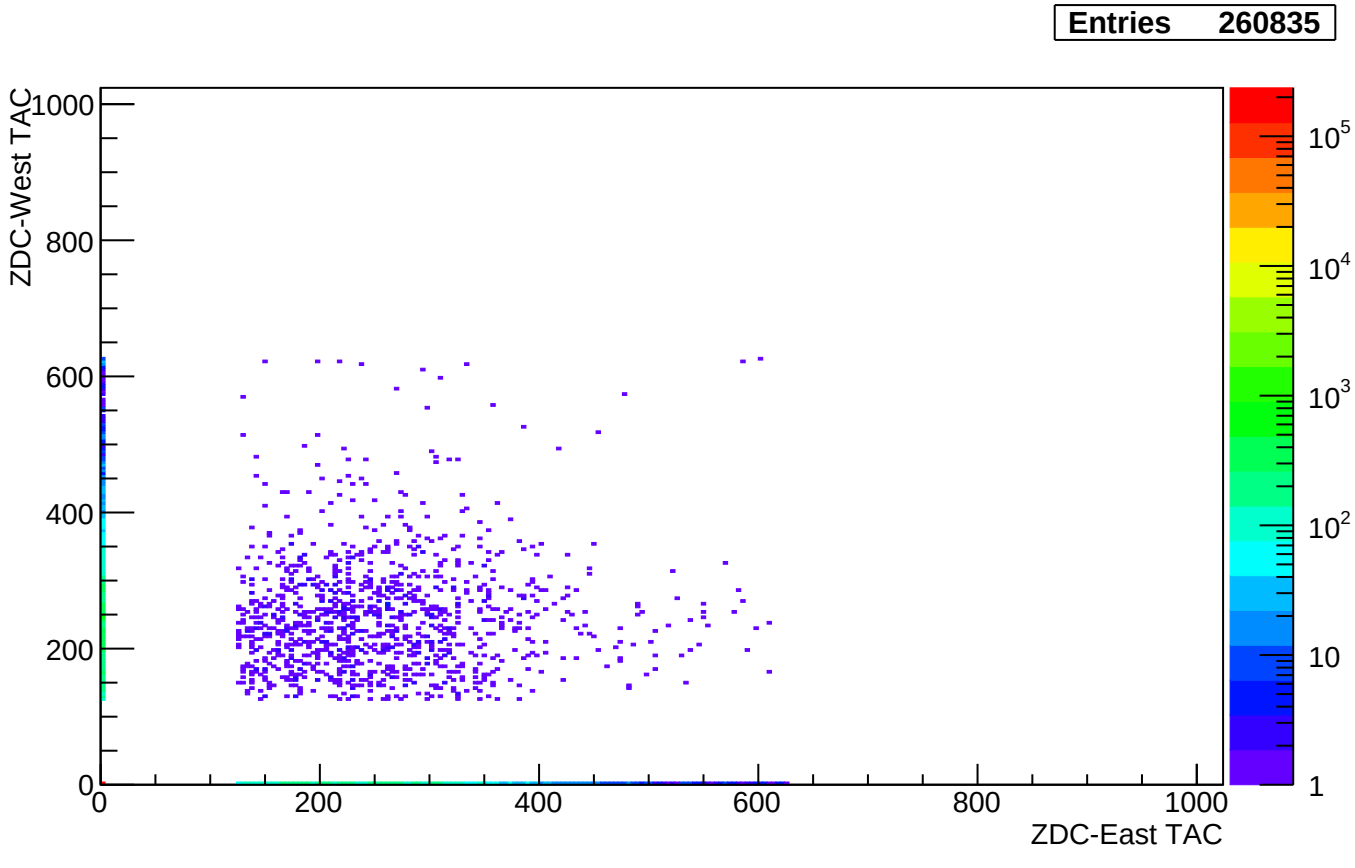

Entries 260835
TOF-Mult
VPD-East ADC Sum

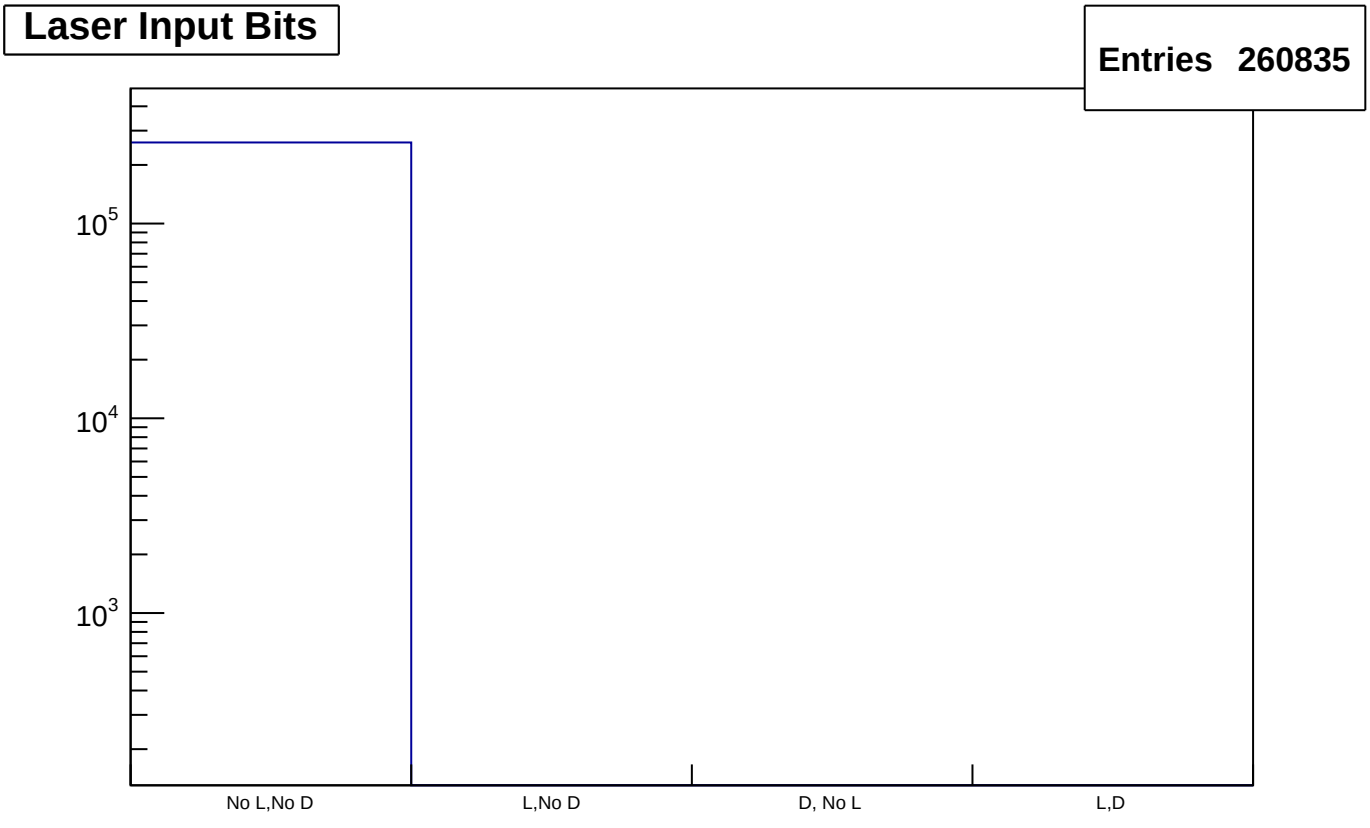

Entries 260835
TOF-Mult
VPD-West ADC Sum

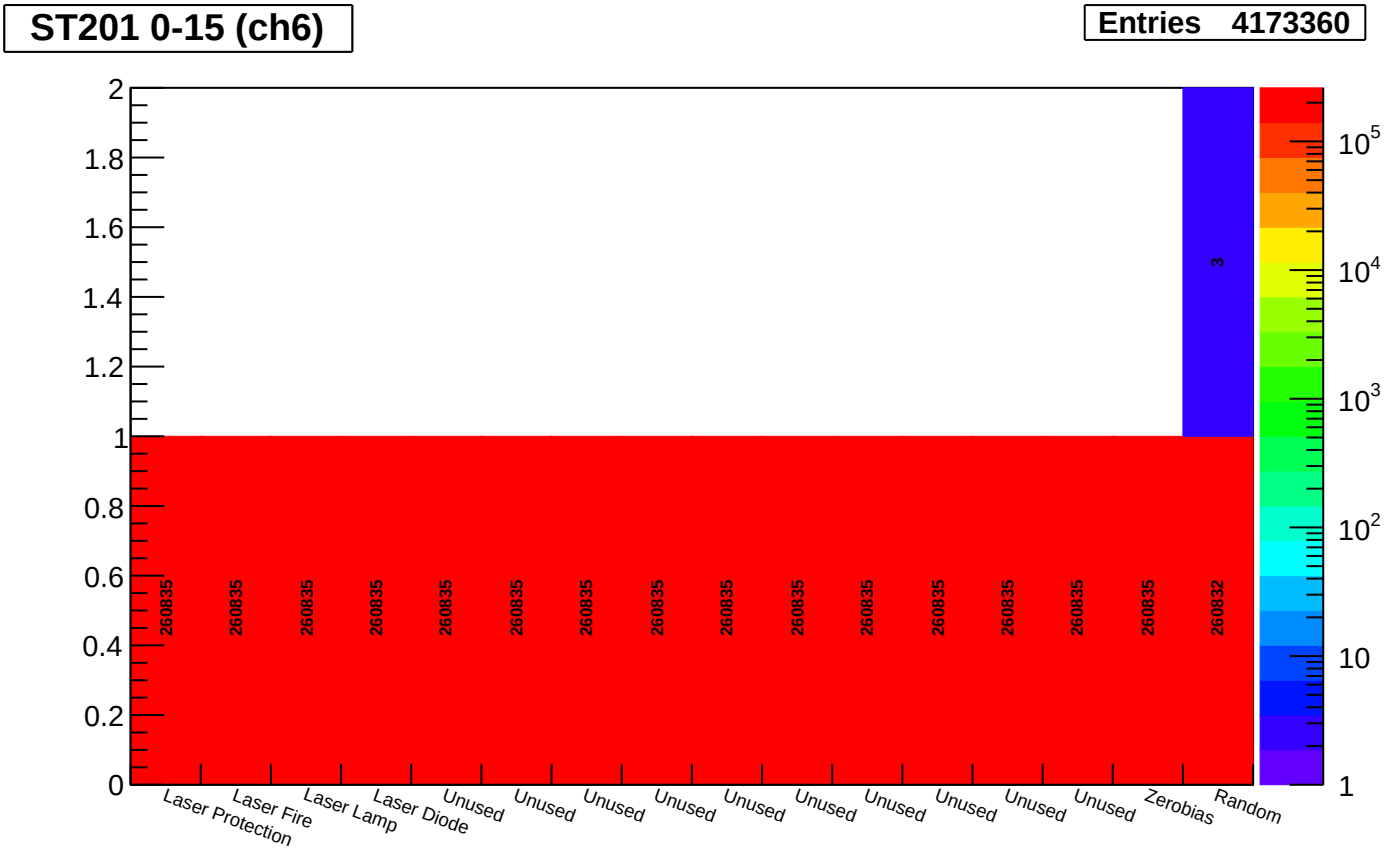

Entries 260835
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

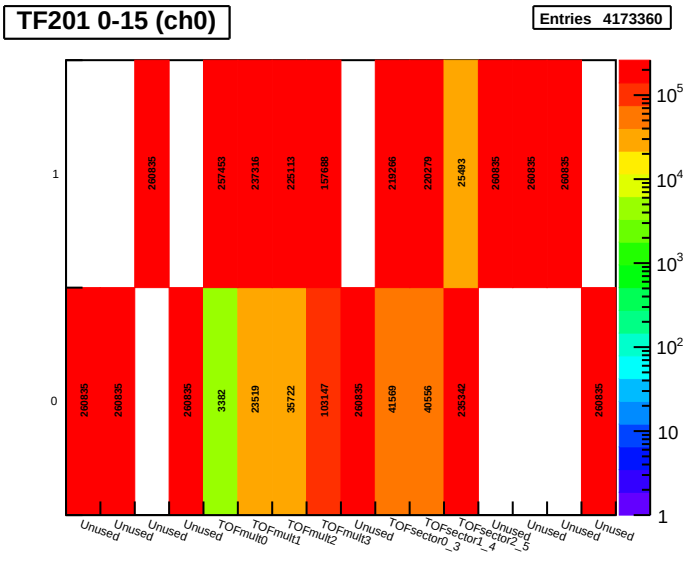

Entries 260835
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

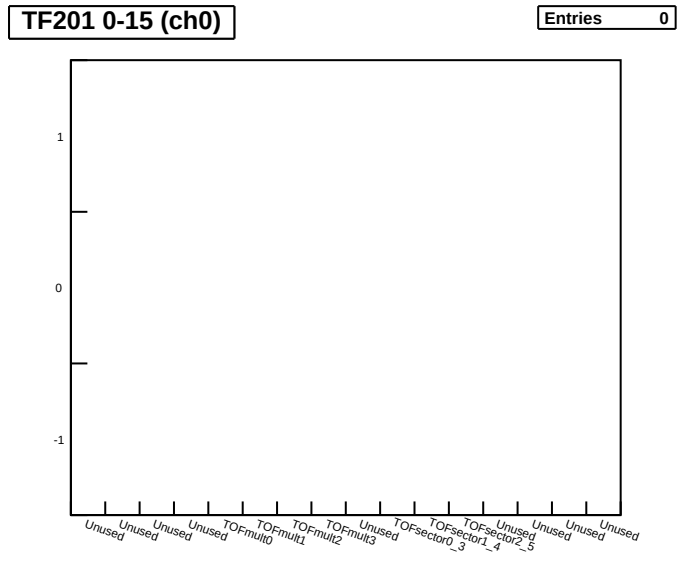

Entries 260835
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

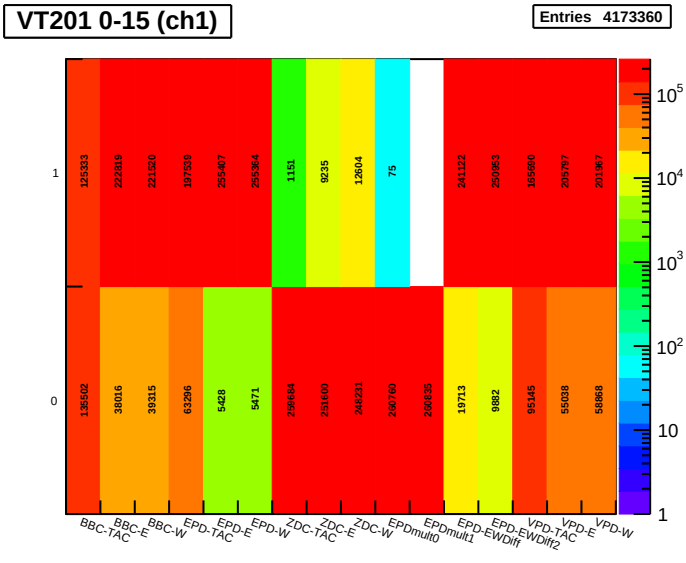

Entries 260835
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

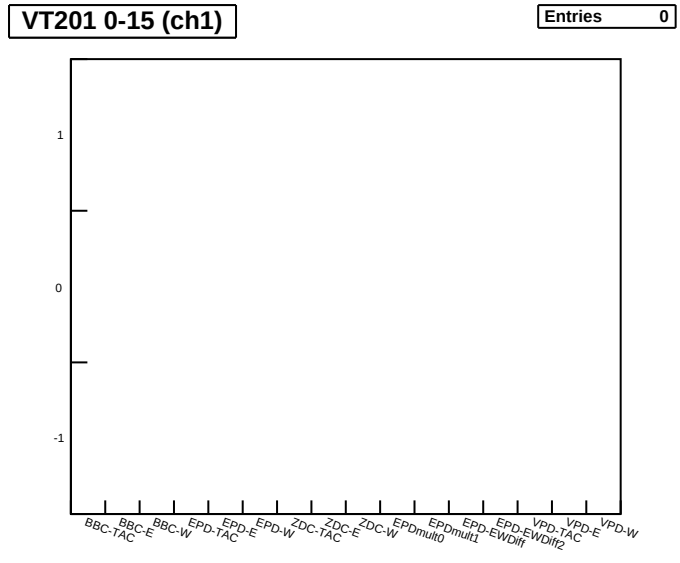

Laser Input Bits
Entries 260835
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

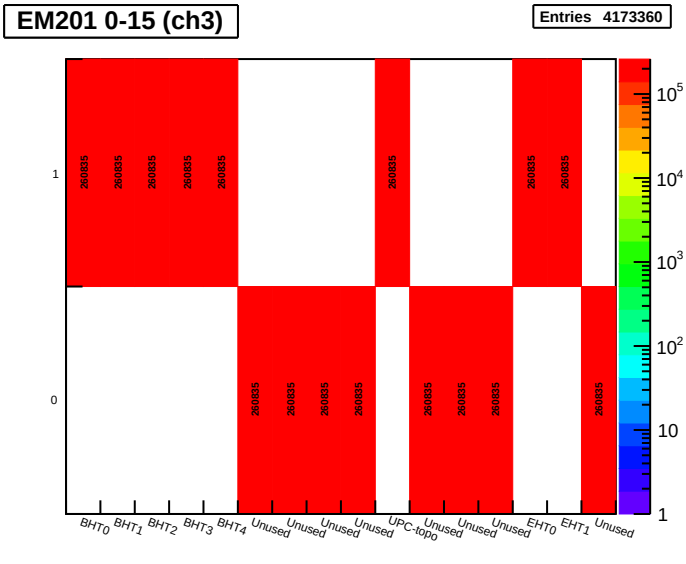

ST201 0-15 (ch6)
Entries 4173360
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
260835
260835
260835
260835
260835
260835
260835
260835
260835
260835
260835
260835
260835
260835
260832
3
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

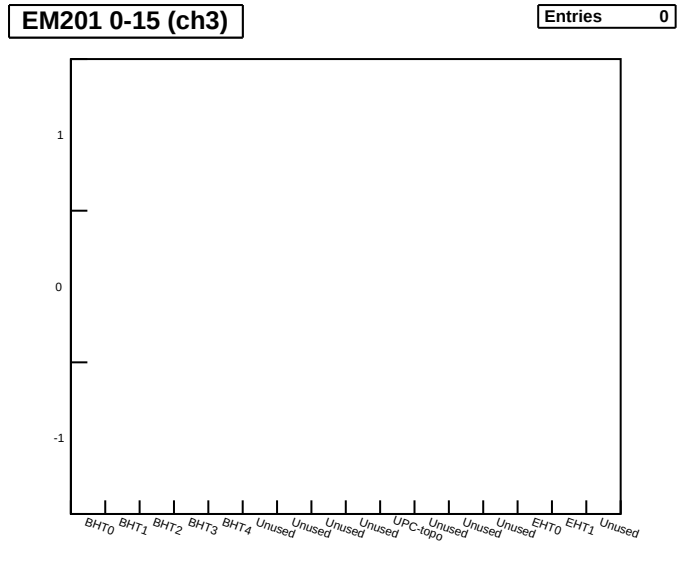

TF201 0-15 (ch0)
Entries 4173360
260835 257453 237316 225113 157688 219266 220279 25493 260835 260835 260835
260835 260835 260835 3382 23519 35722 103147 260835 41569 40556 235342 260835
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused


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


VT201 0-15 (ch1)
Entries 4173360
125333 222819 221520 197539 255407 255354 1151 9235 12604 75 241122 250953 165690 205797 201967
135502 38016 39315 63296 5428 5471 259684 253600 248231 260760 260835 19713 9882 95145 55038 58868
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W


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


EM201 0-15 (ch3)
Entries 4173360
260835 260835 260835 260835 260835 260835 260835 260835
260835 260835 260835 260835 260835 260835 260835 260835
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused


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