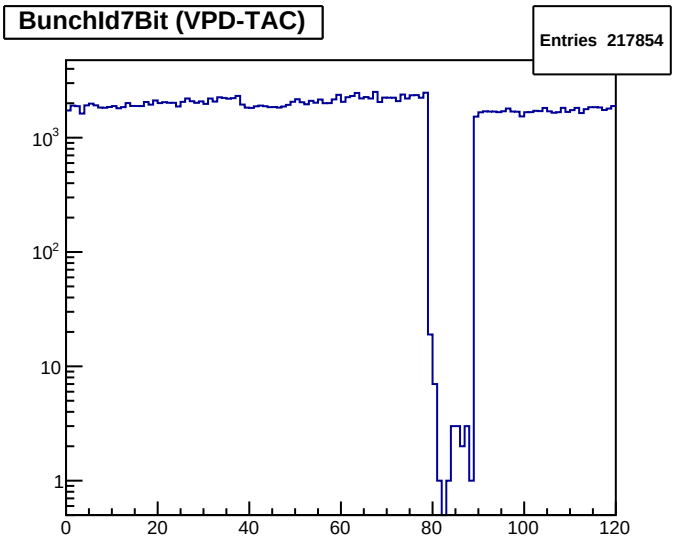
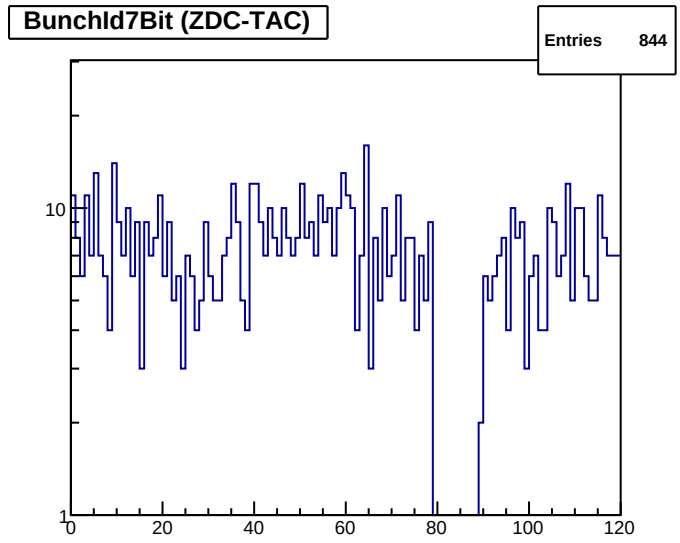
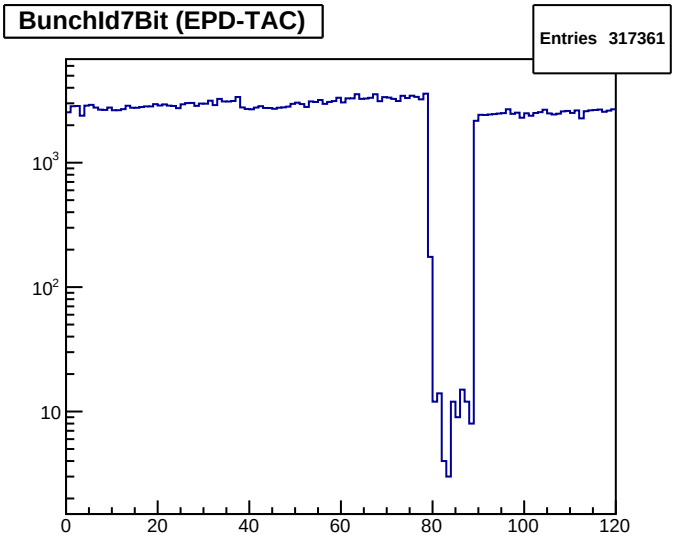
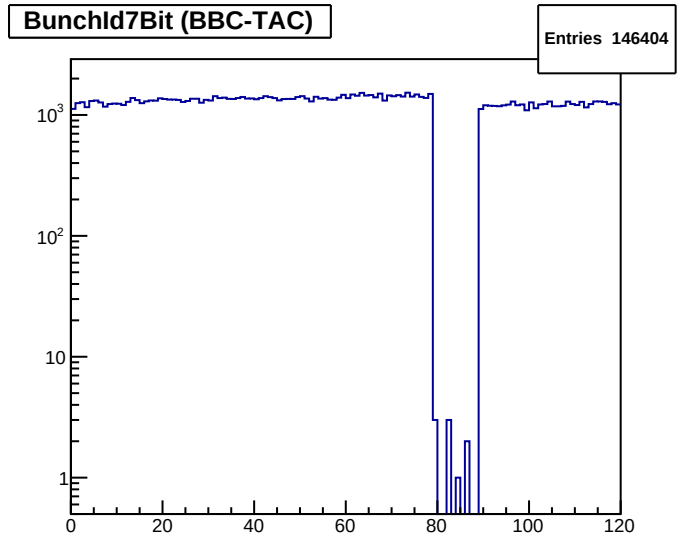
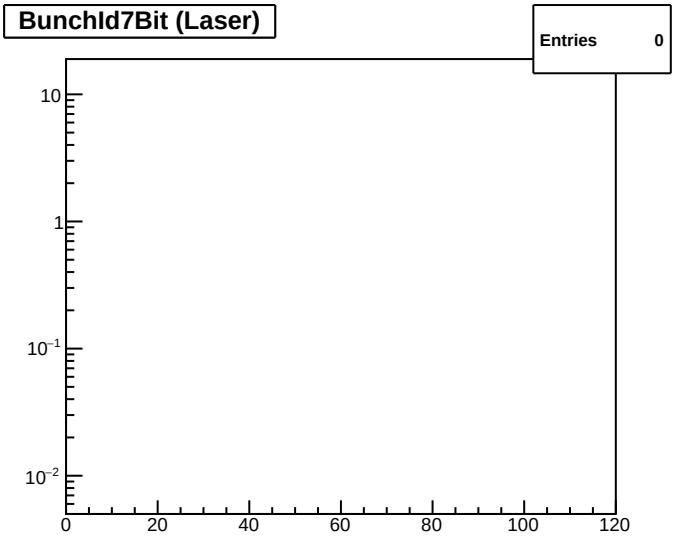
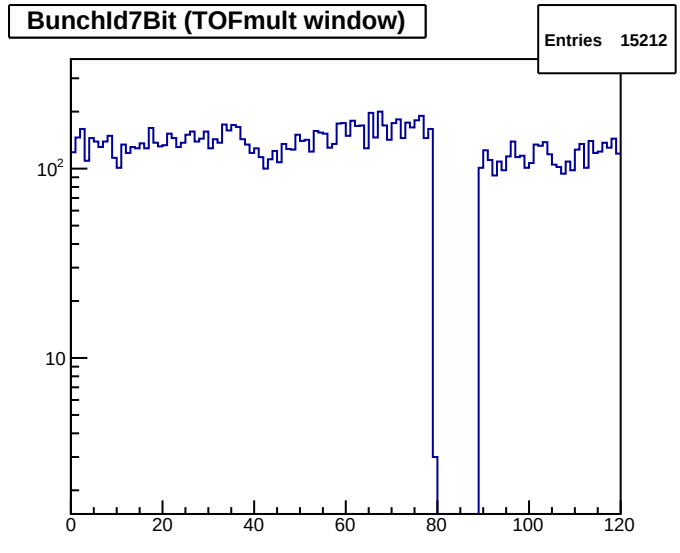

BunchId7Bit (VPD-TAC)
Entries 217854

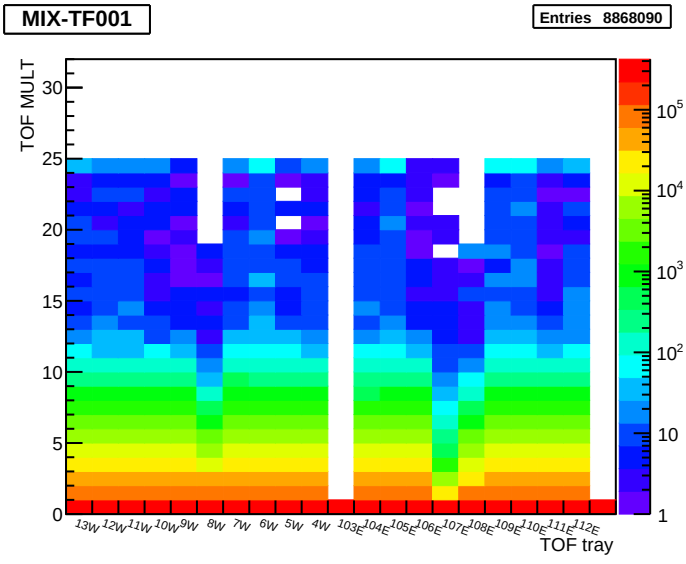

BunchId7Bit (ZDC-TAC)
Entries 844

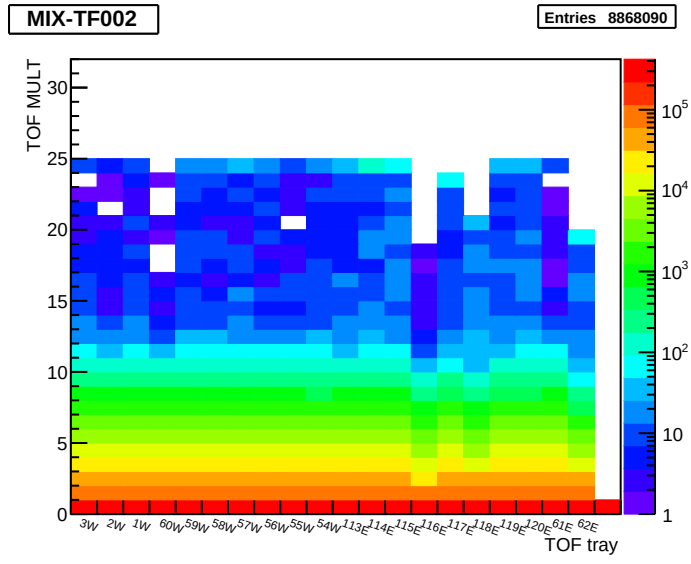

BunchId7Bit (EPD-TAC)
Entries 317361

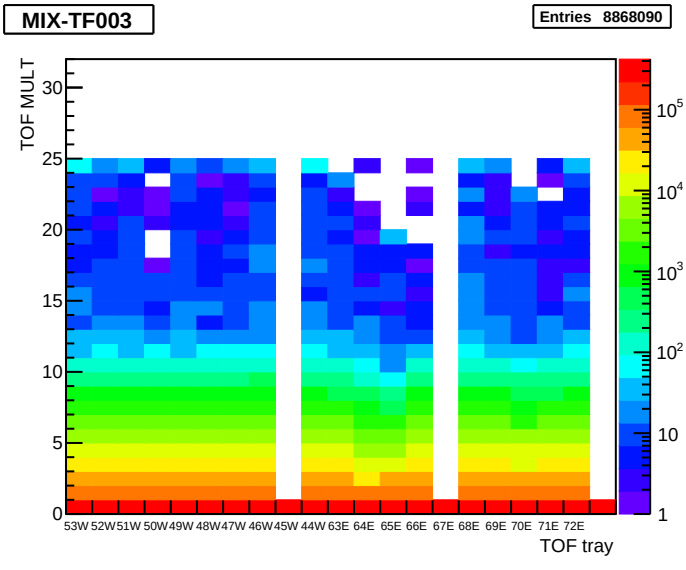

BunchId7Bit (BBC-TAC)
Entries 146404

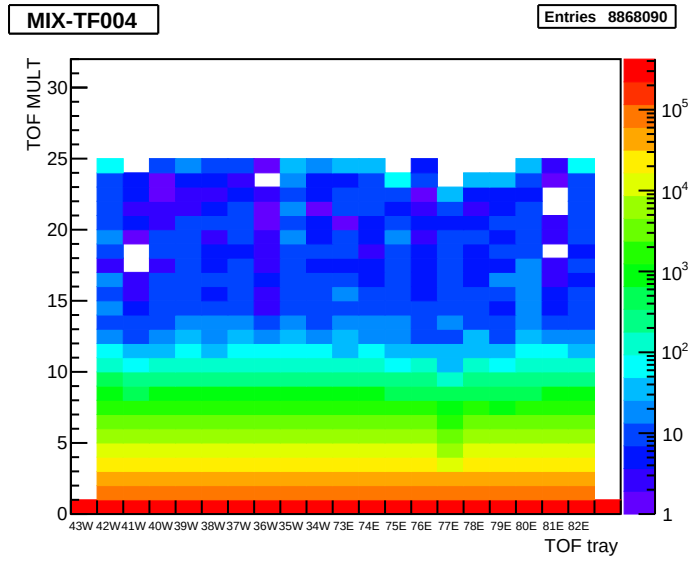

BunchId7Bit (Laser)
Entries 0

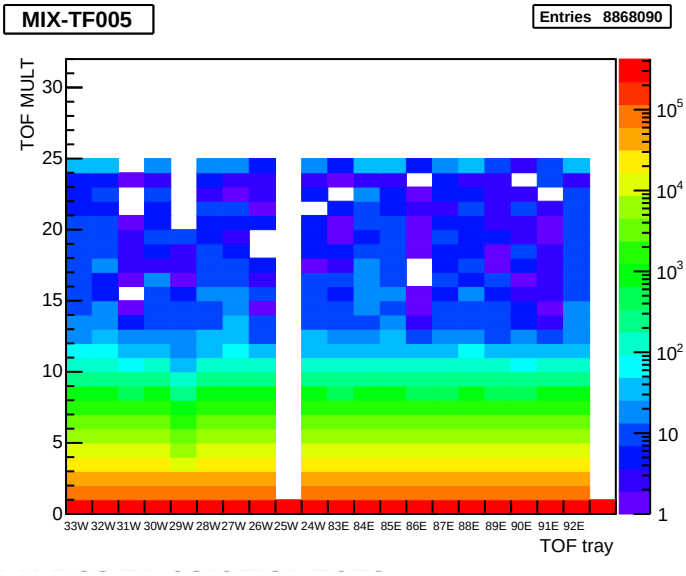

BunchId7Bit (TOFmult window)
Entries 15212

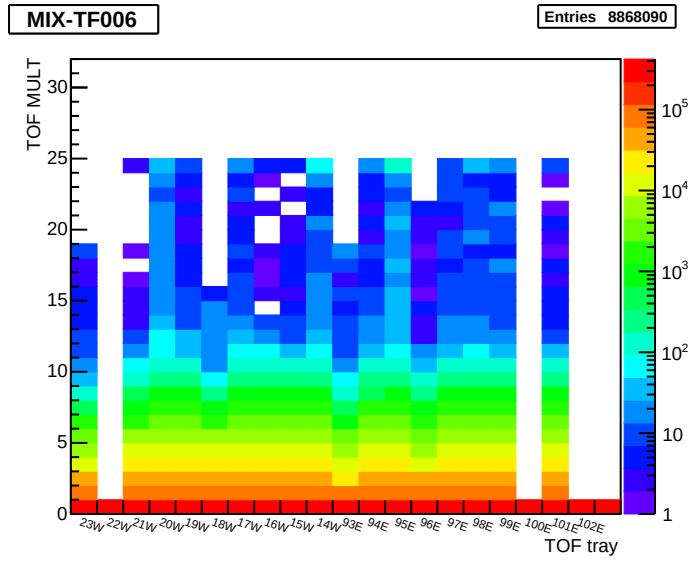

MIX-TF001
Entries 8868090
TOF MULT
TOF tray

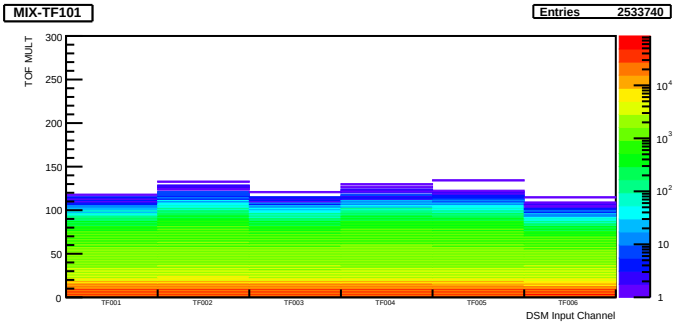

MIX-TF002
Entries 8868090
TOF MULT
TOF tray

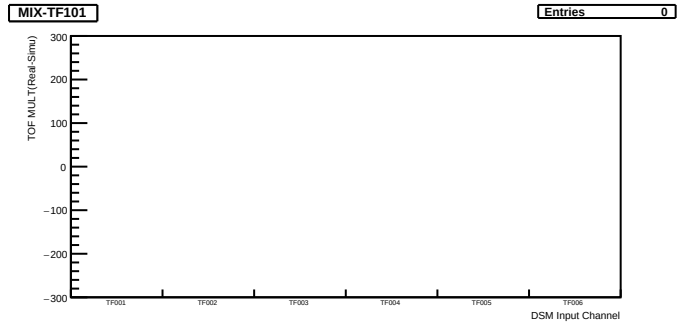

MIX-TF003
Entries 8868090
TOF MULT
TOF tray

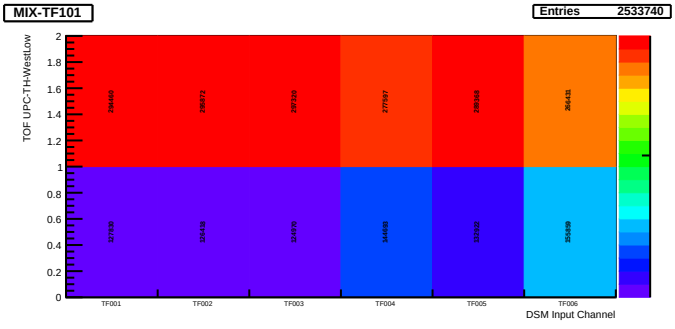

MIX-TF004
Entries 8868090
TOF MULT
TOF tray

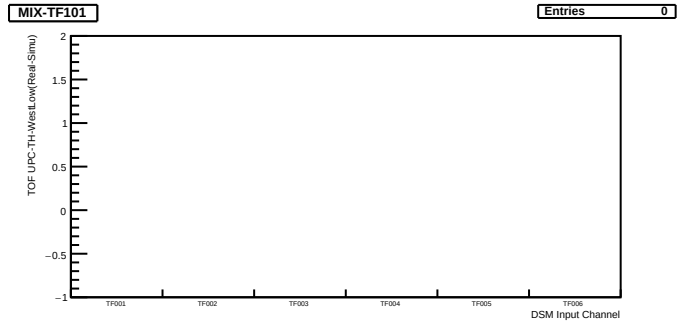

MIX-TF005
Entries 8868090
TOF MULT
TOF tray

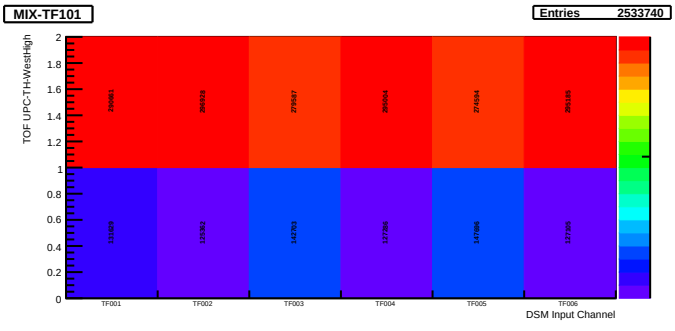

MIX-TF006
Entries 8868090
TOF MULT
TOF tray

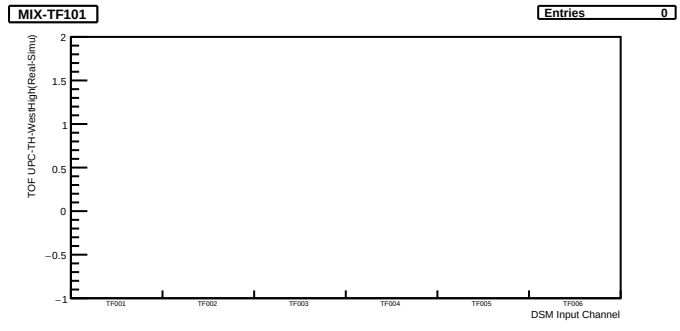

MIX-TF101
Entries 2533740
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

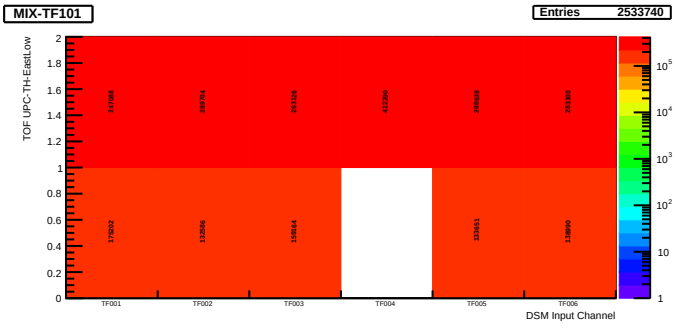

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

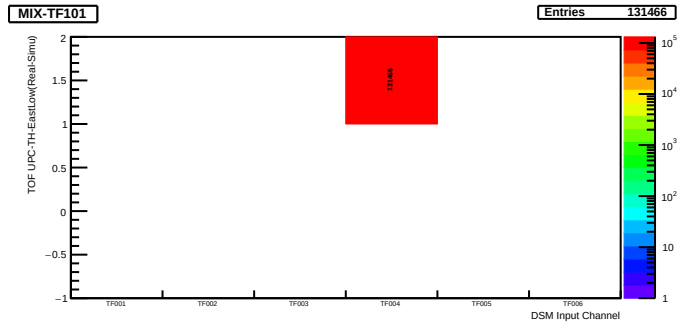

MIX-TF101
Entries 2533740
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

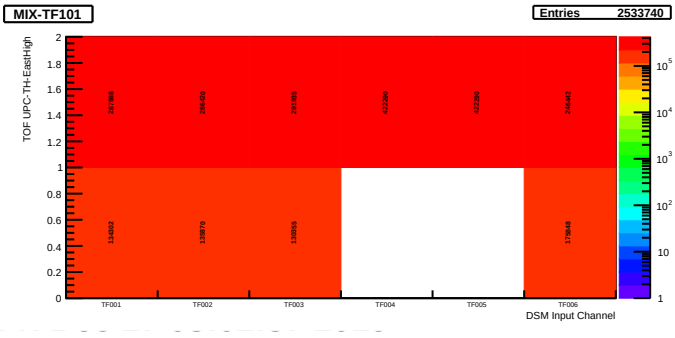

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

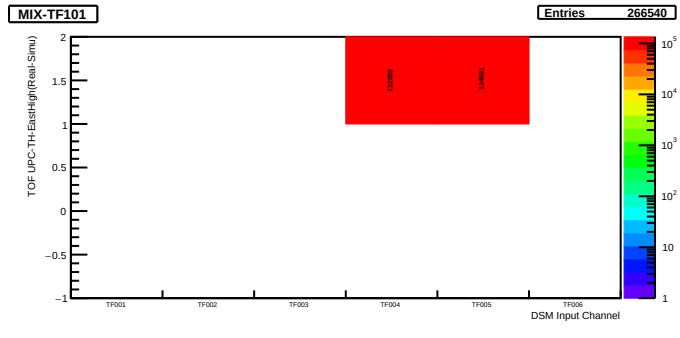

MIX-TF101
Entries 2533740
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

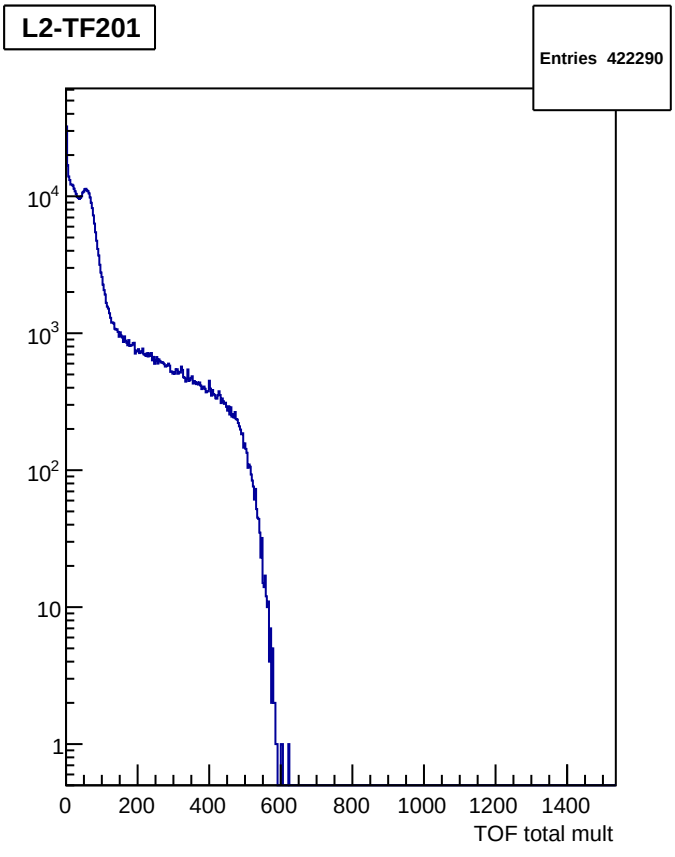

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

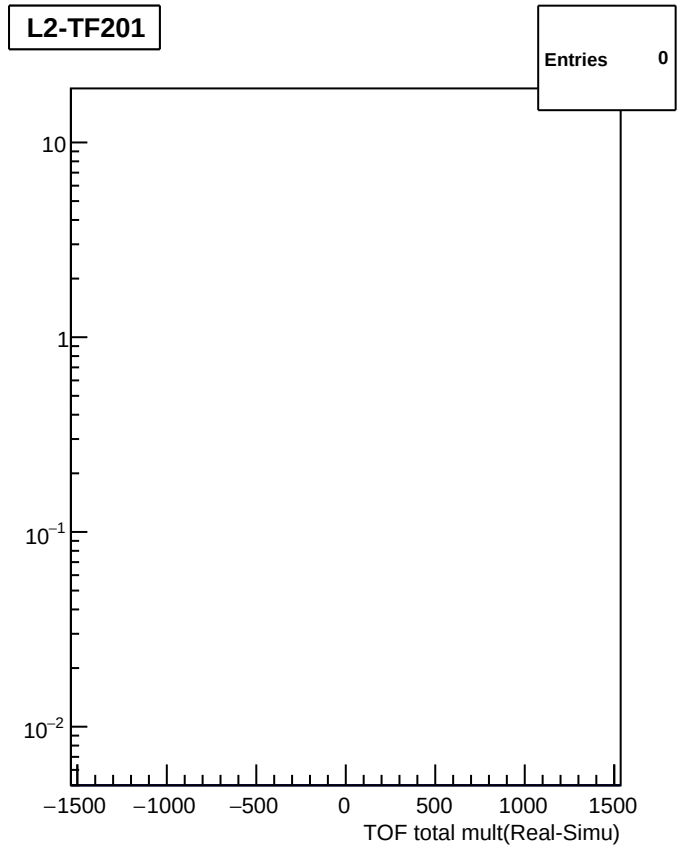

MIX-TF101
Entries 2533740
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

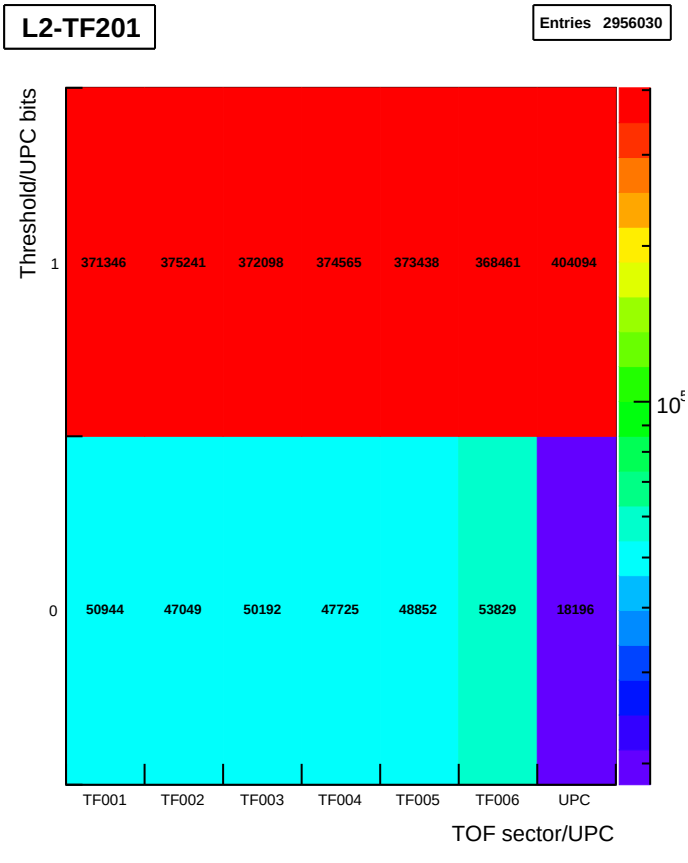

MIX-TF101
Entries 131466
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

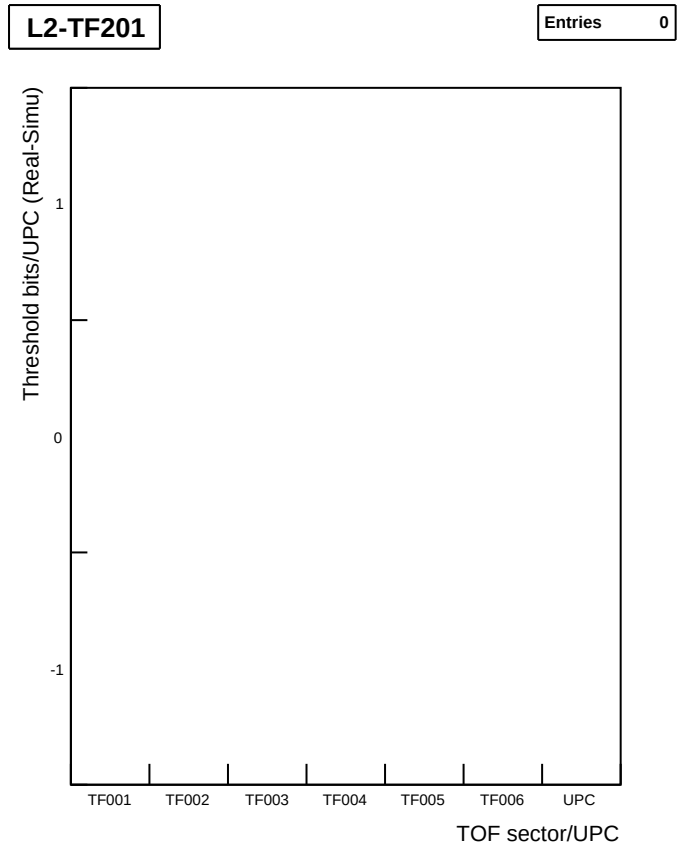

MIX-TF101
Entries 2533740
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

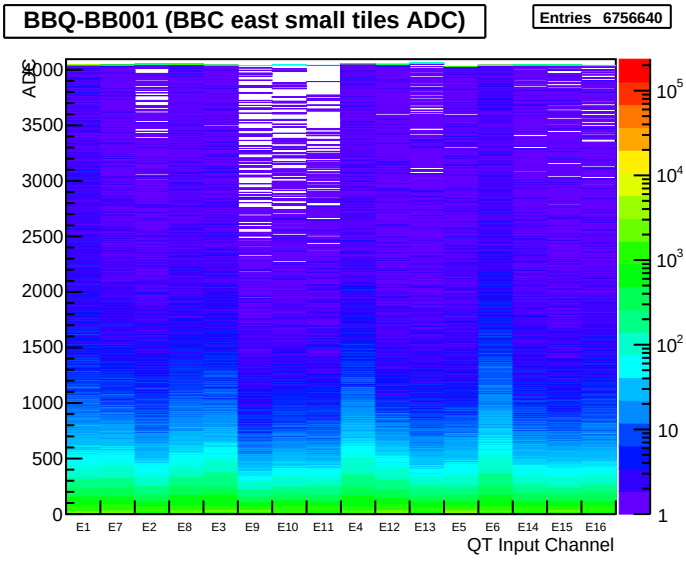

MIX-TF101
Entries 266540
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

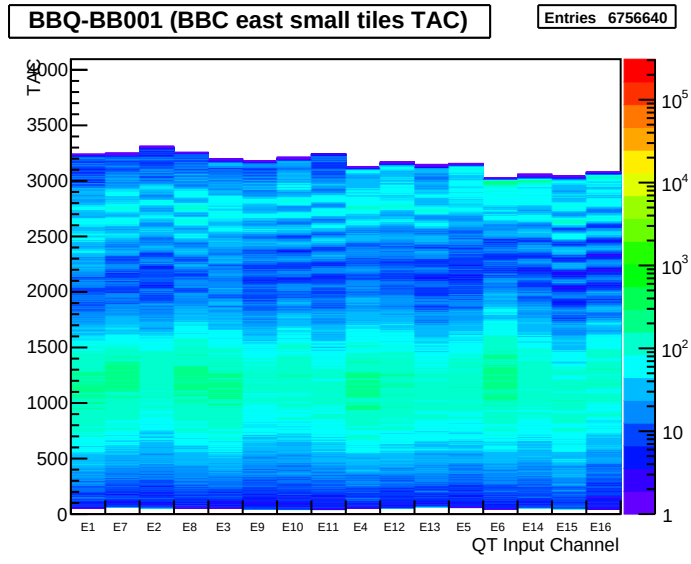

L2-TF201
Entries 422290
TOF total mult

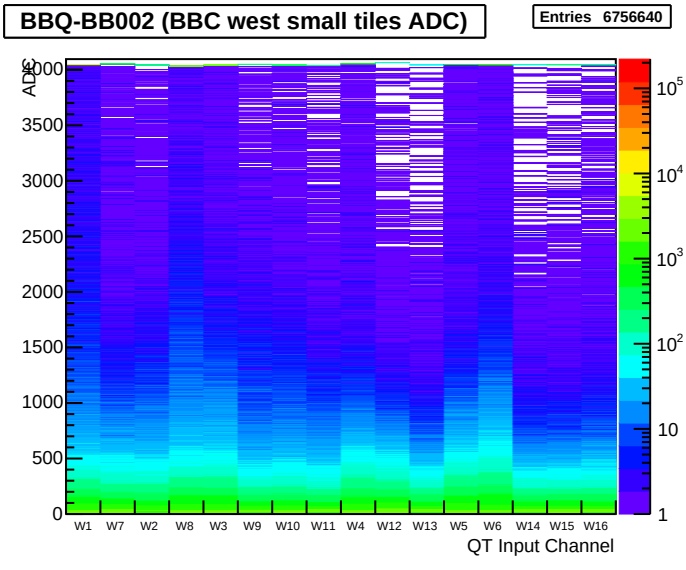

L2-TF201
Entries 0
TOF total mult(Real-Simu)

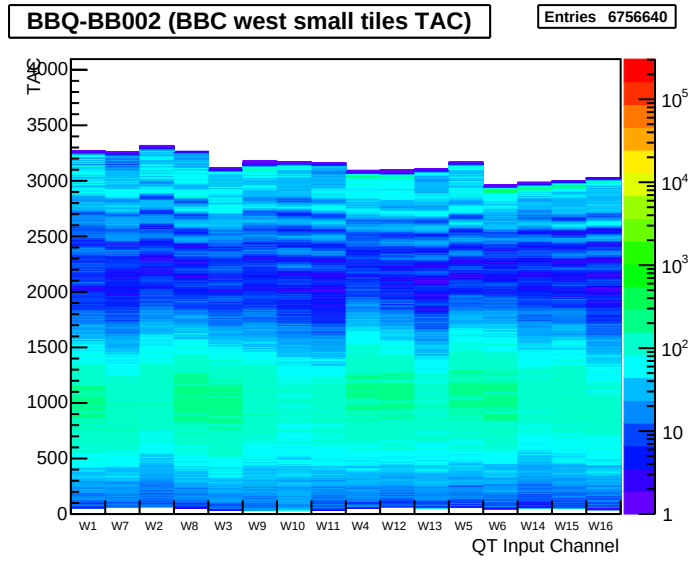

L2-TF201
Entries 2956030
Threshold/UPC bits
371346
375241
372098
374565
373438
368461
404094
50944
47049
50192
47725
48852
53829
18196
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

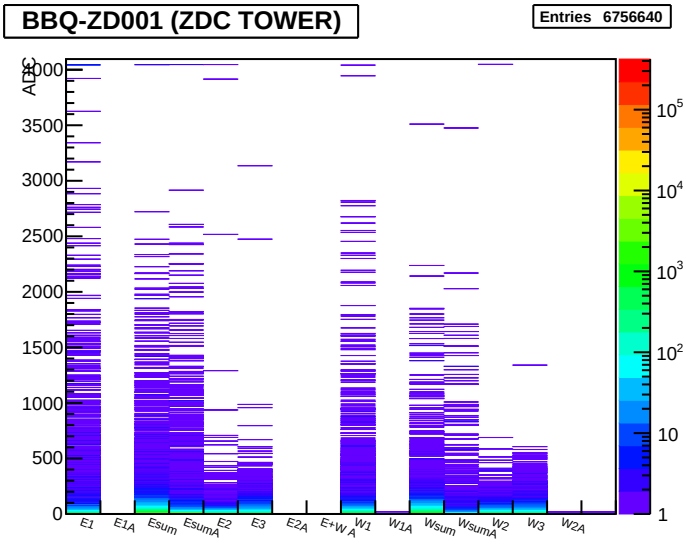

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

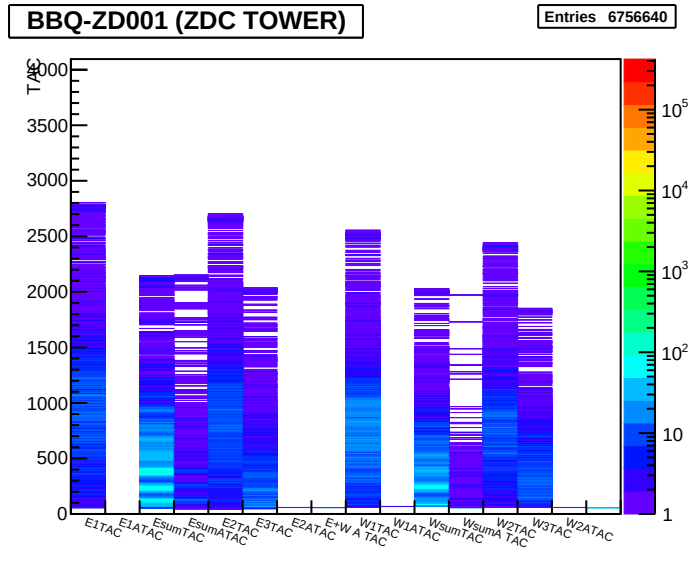

BBQ-BB001 (BBC east small tiles ADC)
Entries 6756640
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

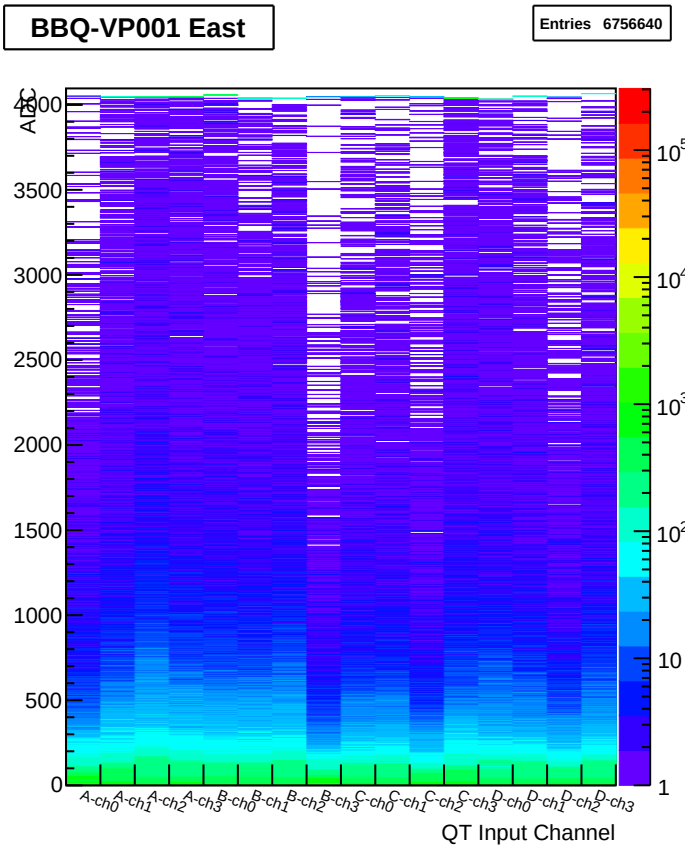

BBQ-BB001 (BBC east small tiles TAC)
Entries 6756640
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

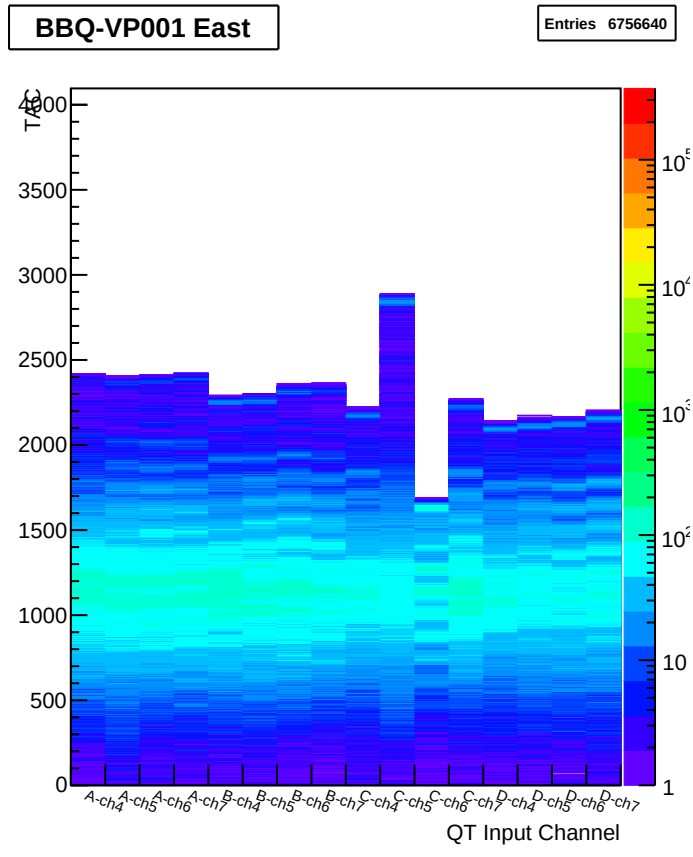

BBQ-BB002 (BBC west small tiles ADC)
Entries 6756640
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

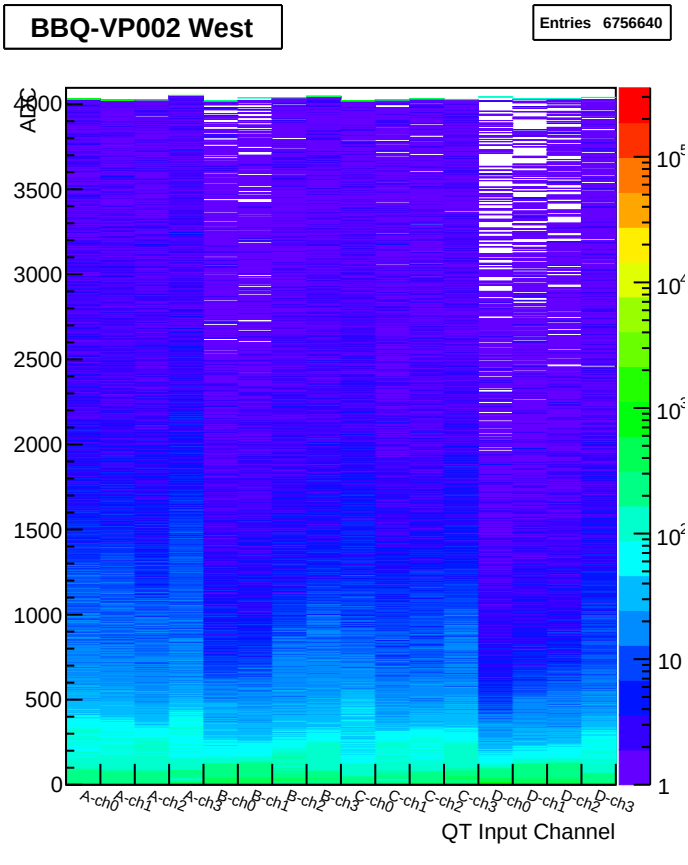

BBQ-BB002 (BBC west small tiles TAC)
Entries 6756640
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

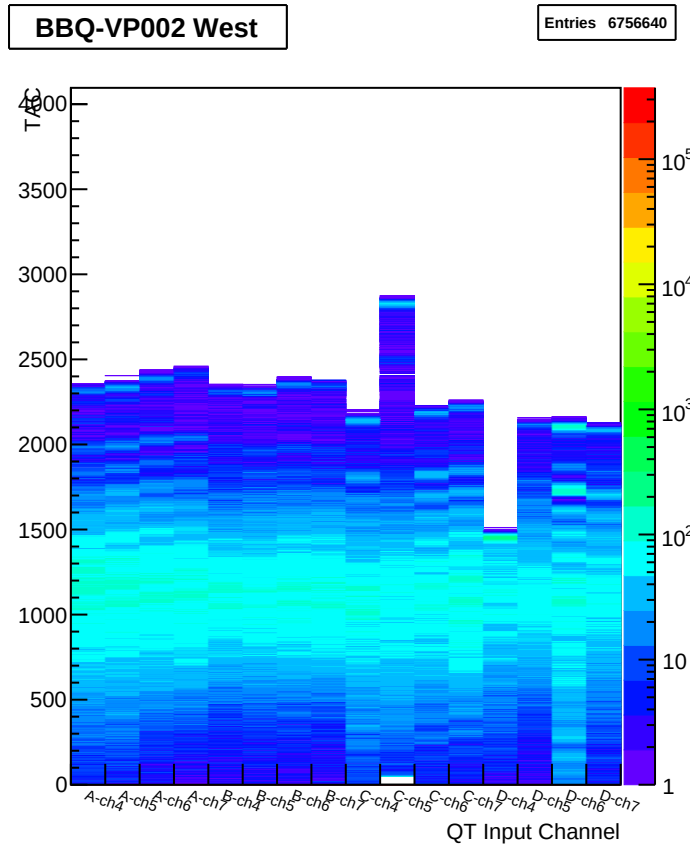

BBQ-ZD001 (ZDC TOWER)
Entries 6756640
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

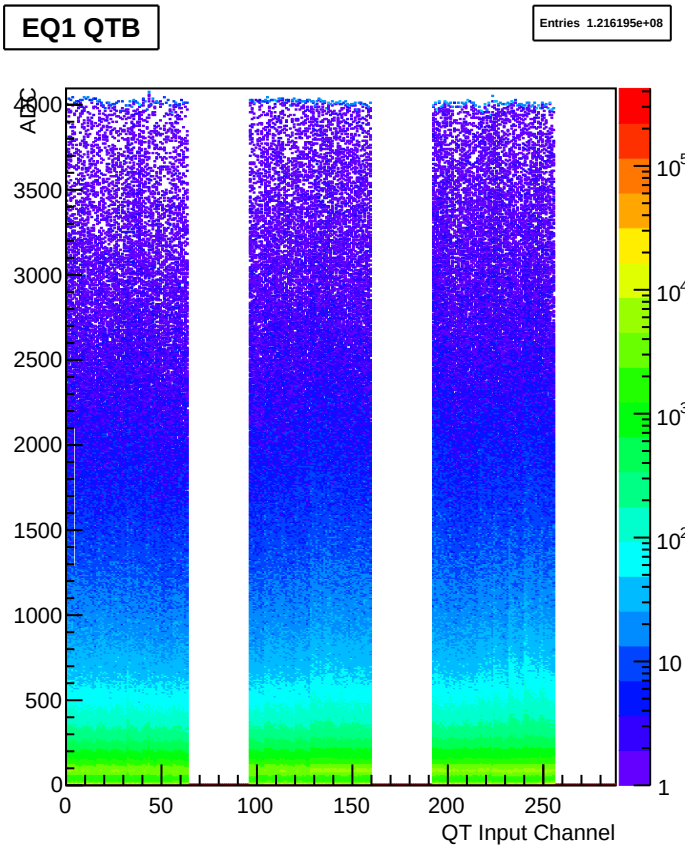

BBQ-ZD001 (ZDC TOWER)
Entries 6756640
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

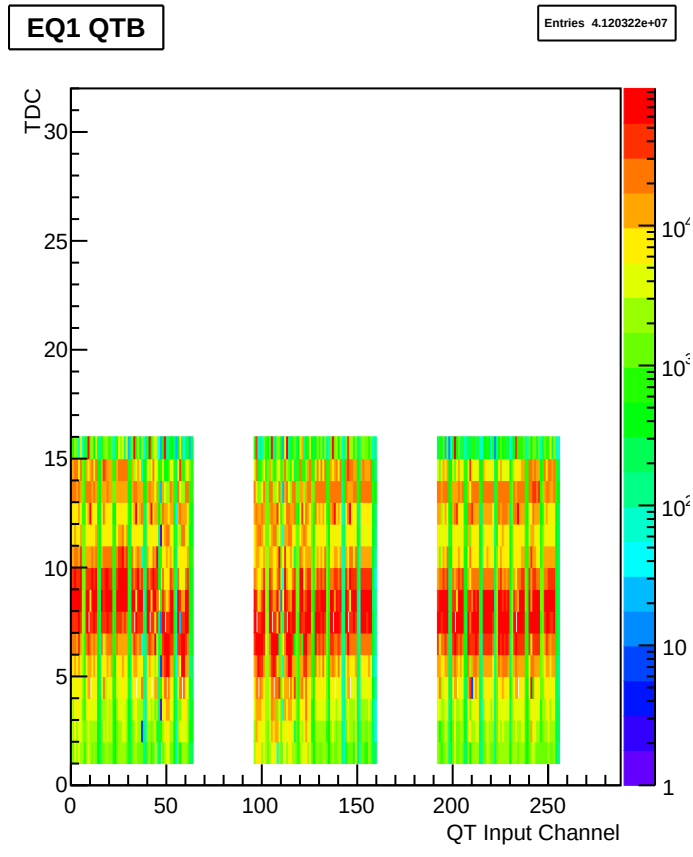

BBQ-VP001 East
Entries 6756640
ADC
QT Input Channel

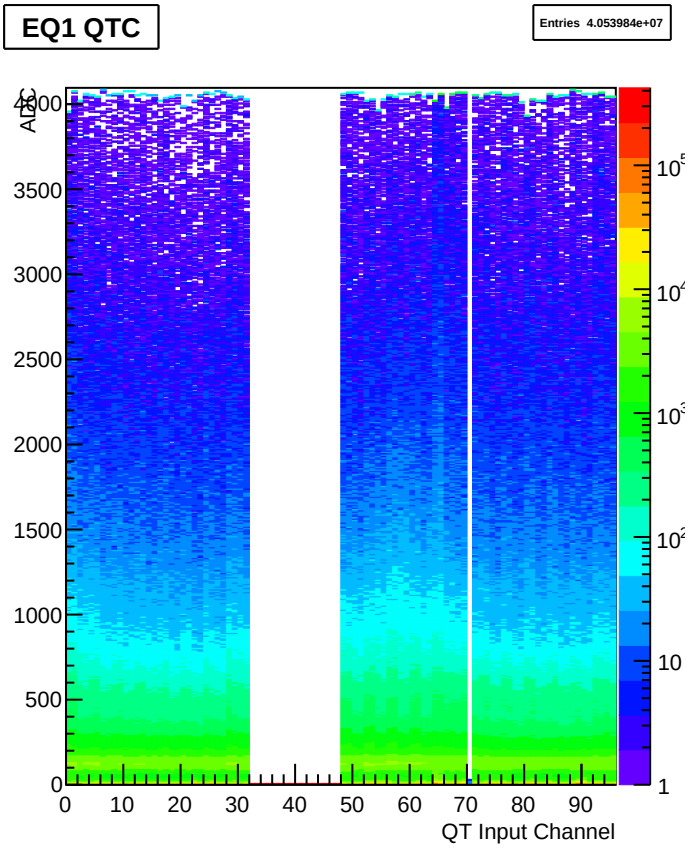

BBQ-VP001 East
Entries 6756640
TADC
QT Input Channel

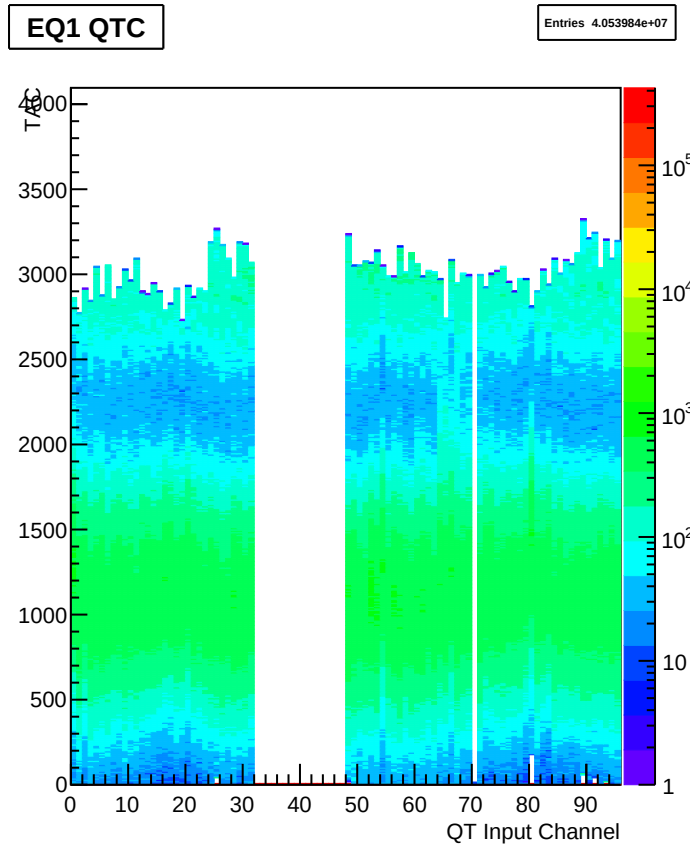

BBQ-VP002 West
Entries 6756640
ADC
QT Input Channel

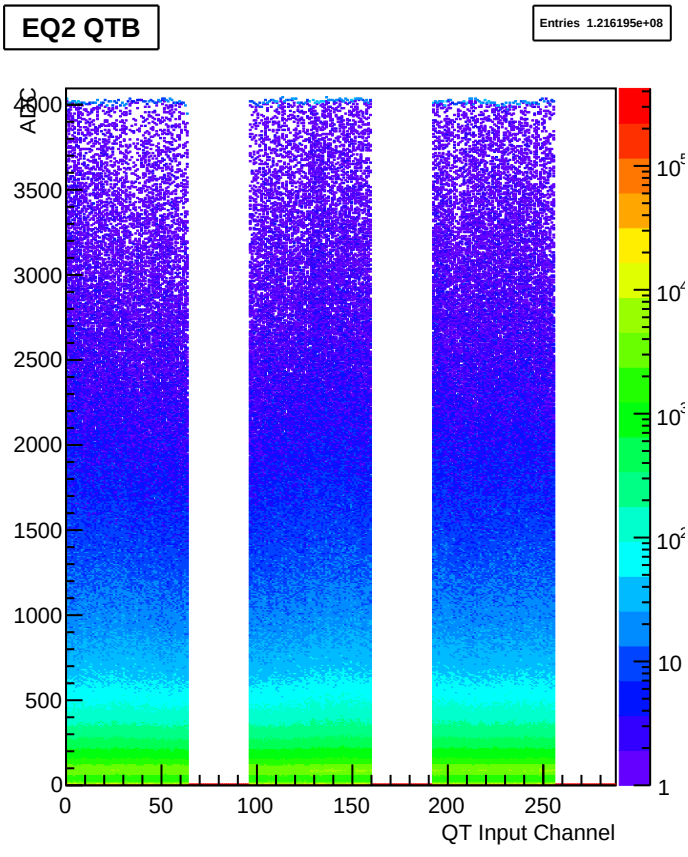

BBQ-VP002 West
Entries 6756640
TADC
QT Input Channel

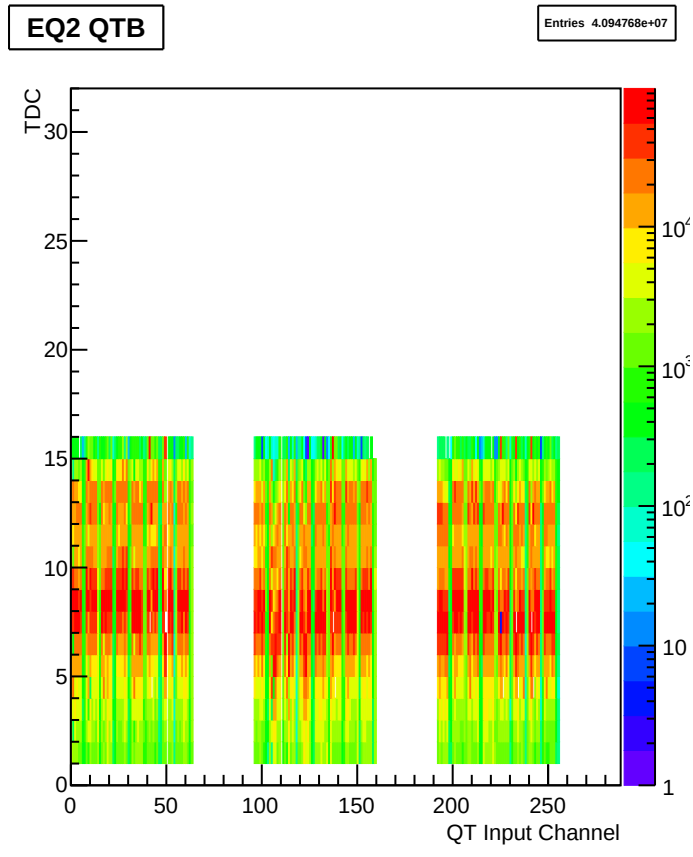

EQ1 QTB
Entries 1.216195e+08
ADC
QT Input Channel

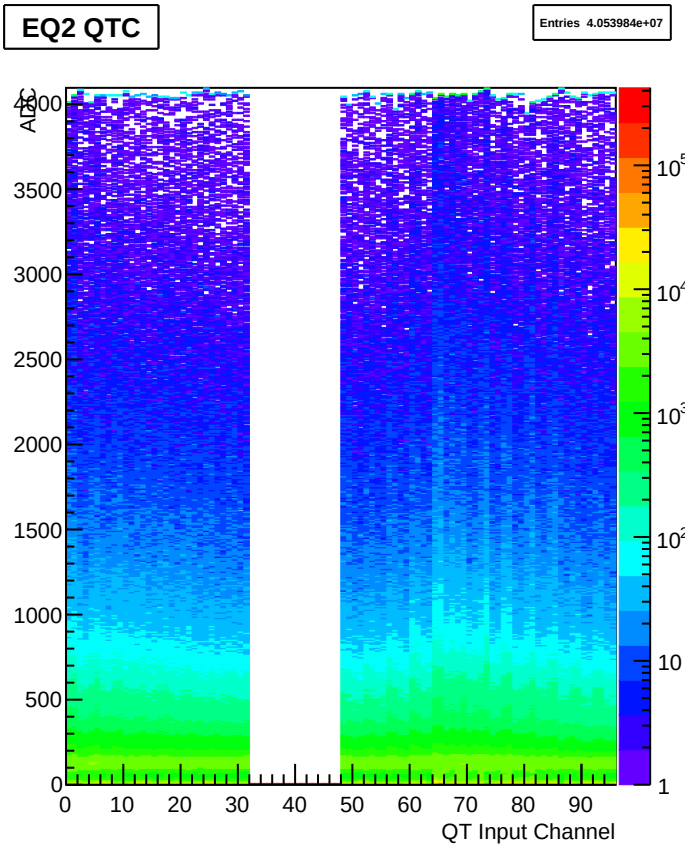

EQ1 QTB
Entries 4.120322e+07
TDC
QT Input Channel

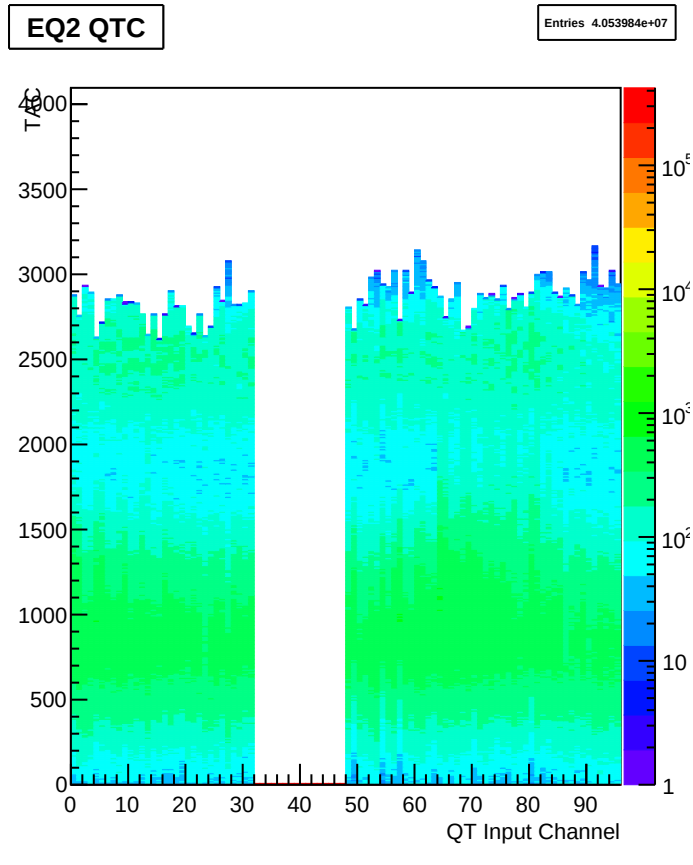

EQ1 QTC
Entries 4.053984e+07
ADC
QT Input Channel

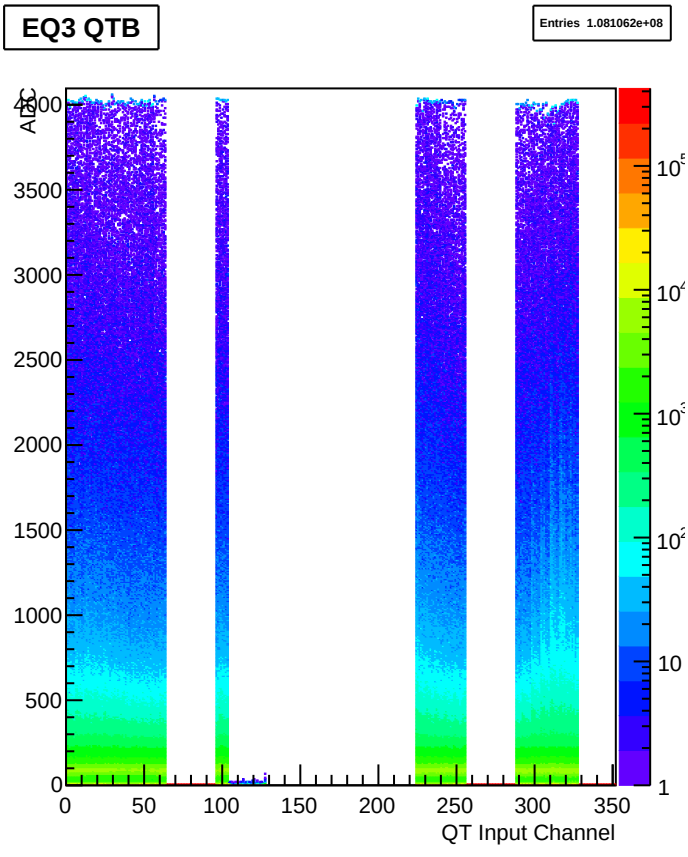

EQ1 QTC
Entries 4.053984e+07
TADC
QT Input Channel

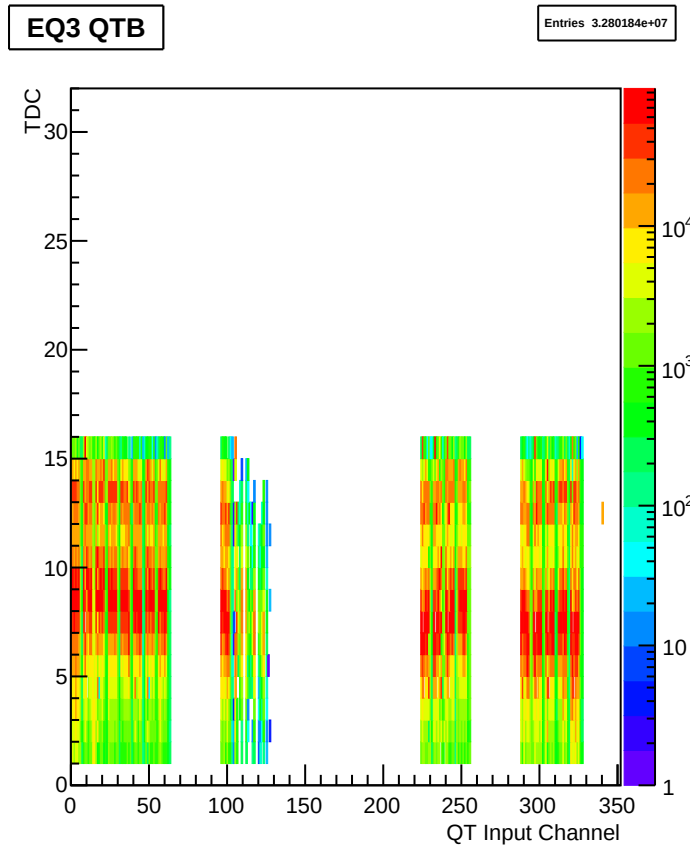

EQ2 QTB
Entries 1.216195e+08
ADC
QT Input Channel

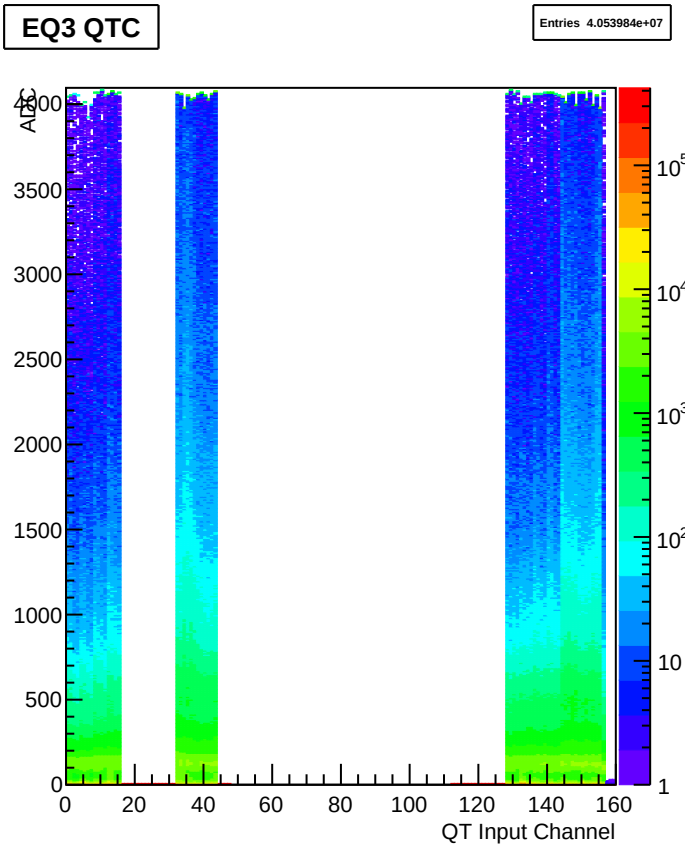

EQ2 QTB
Entries 4.094768e+07
TDC
QT Input Channel

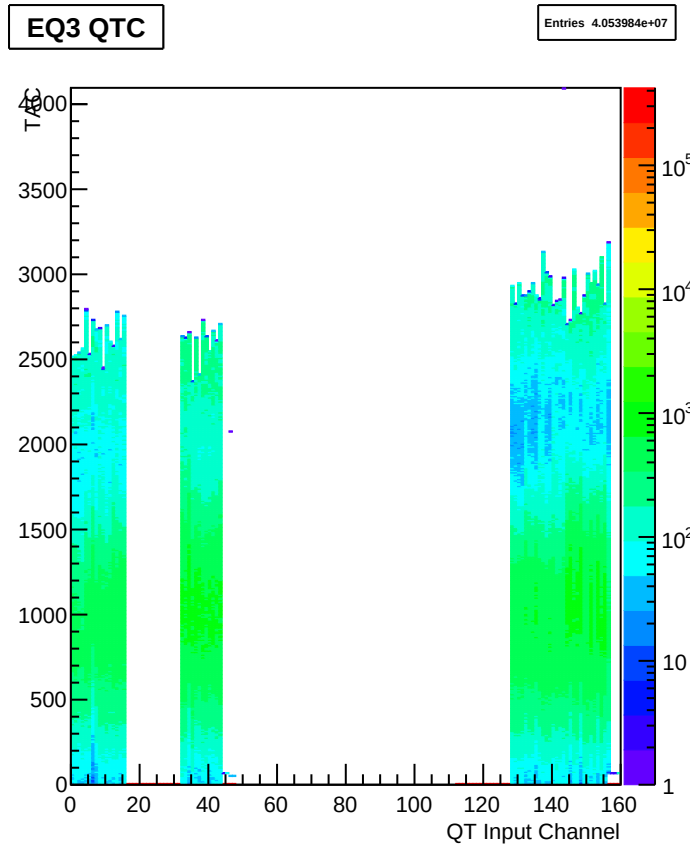

EQ2 QTC
Entries 4.053984e+07
ADC
QT Input Channel

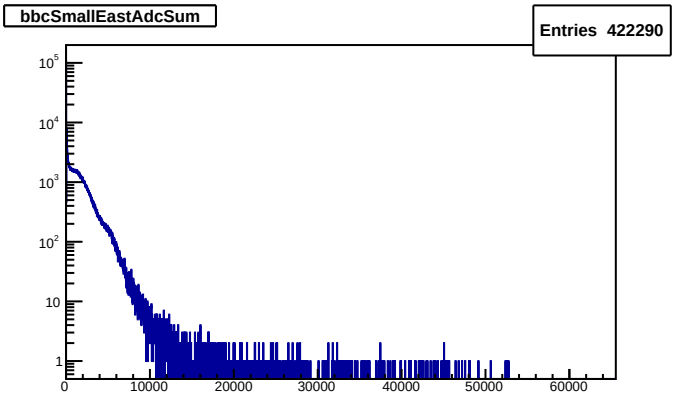

EQ2 QTC
Entries 4.053984e+07
TADC
QT Input Channel

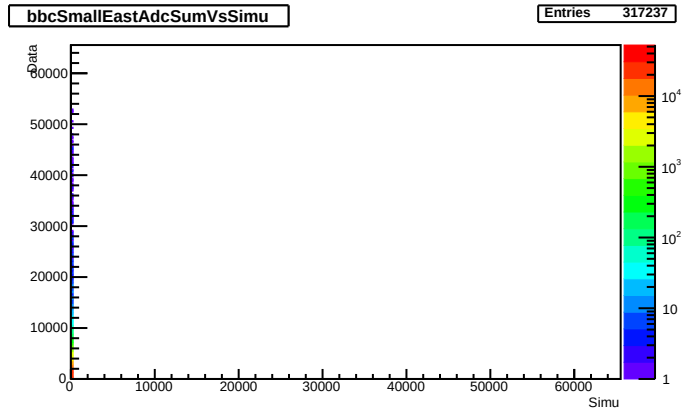

EQ3 QTB
Entries 1.081062e+08
ADC
QT Input Channel

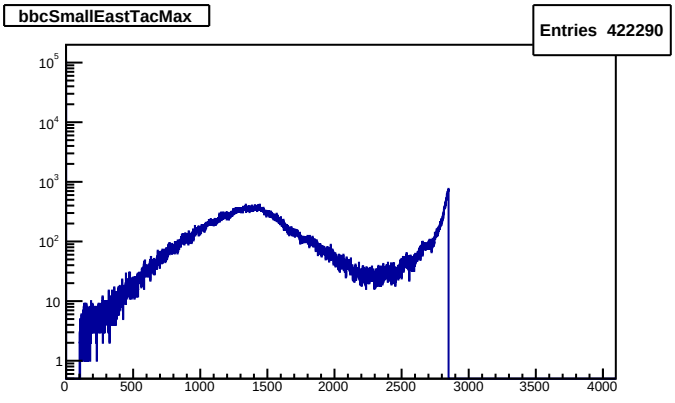

EQ3 QTB
Entries 3.280184e+07
TDC
QT Input Channel

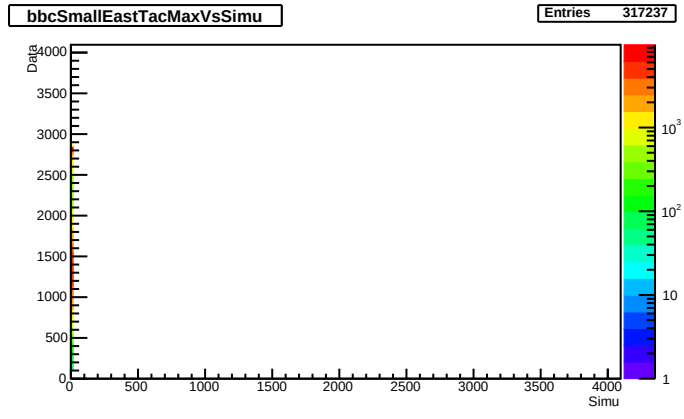

EQ3 QTC
Entries 4.053984e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.053984e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 422290


bbcSmallEastAdcSumVsSimu
Entries 317237
Data
Simu


bbcSmallEastTacMax
Entries 422290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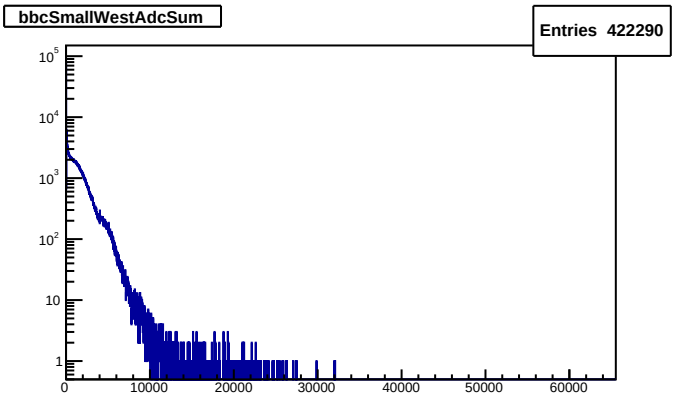
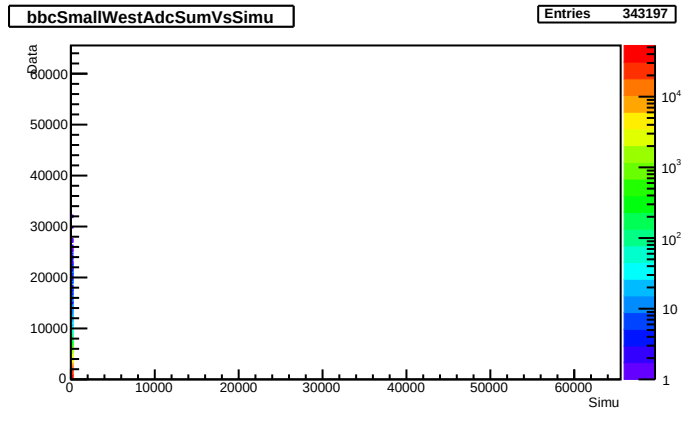
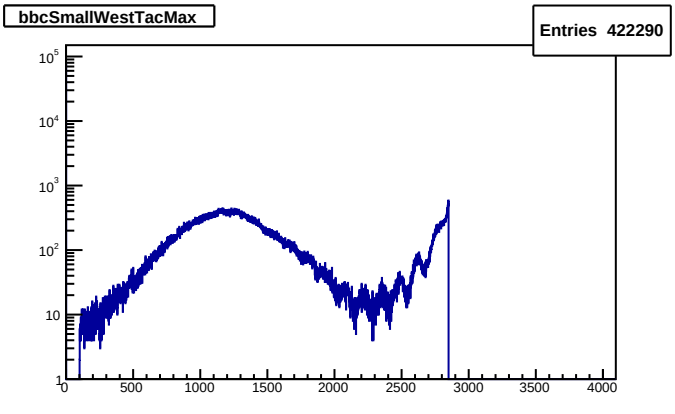
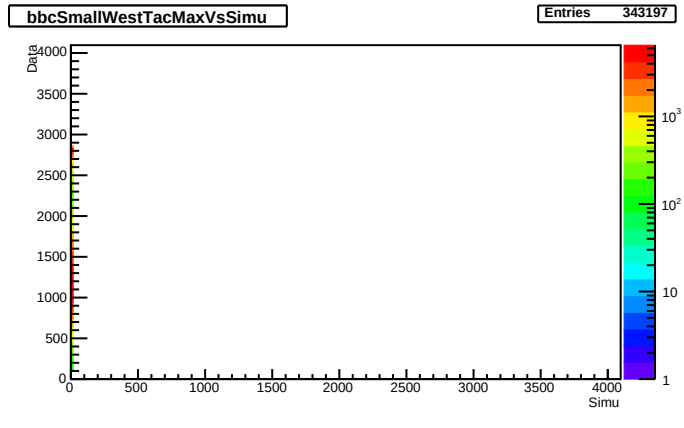
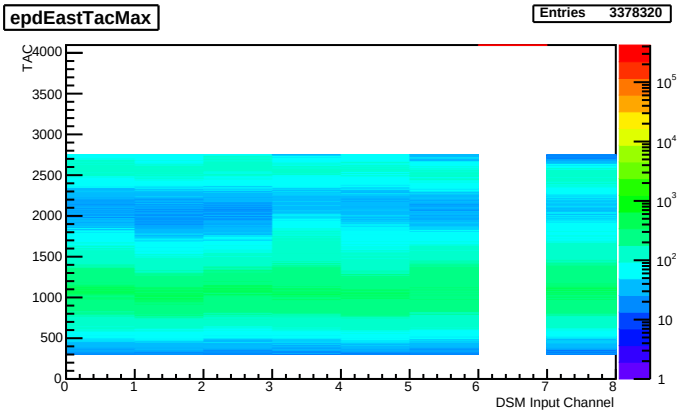
Entries 317237
Data
Simu

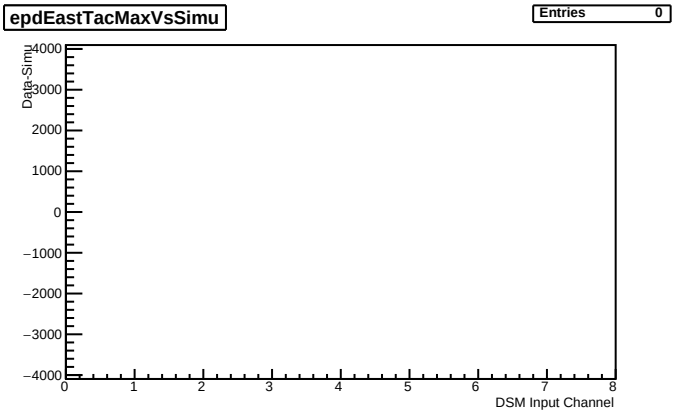

bbcSmallWestAdcSum
Entries 422290

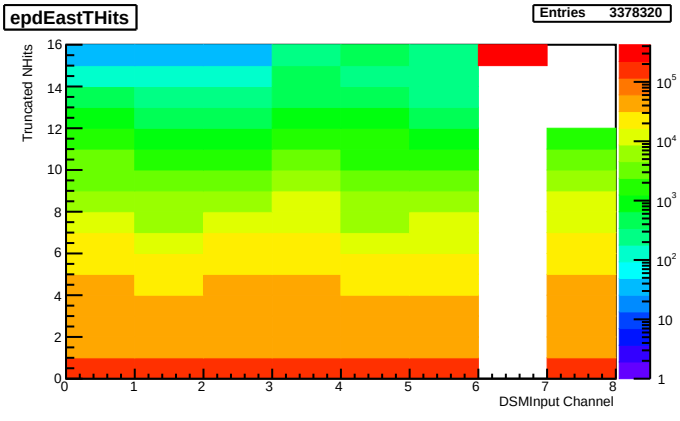

bbcSmallWestAdcSumVsSimu
Entries 343197
Data
Simu

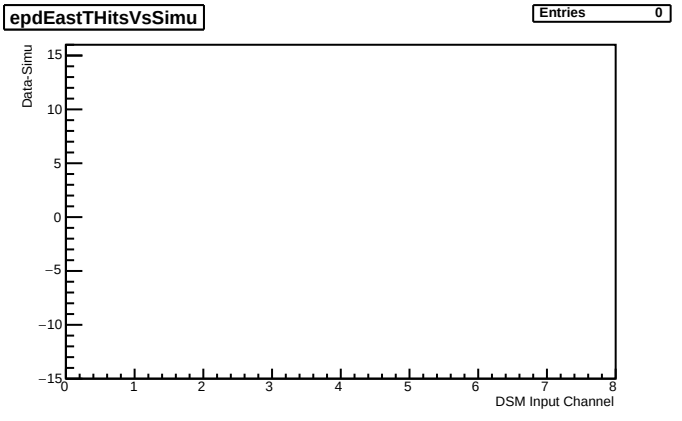

bbcSmallWestTacMax
Entries 422290


bbcSmallWestTacMaxVsSimu
Entries 343197
Data
Simu


epdEastTacMax
Entries 3378320
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3378320
Truncated NHits
DSMInput Channel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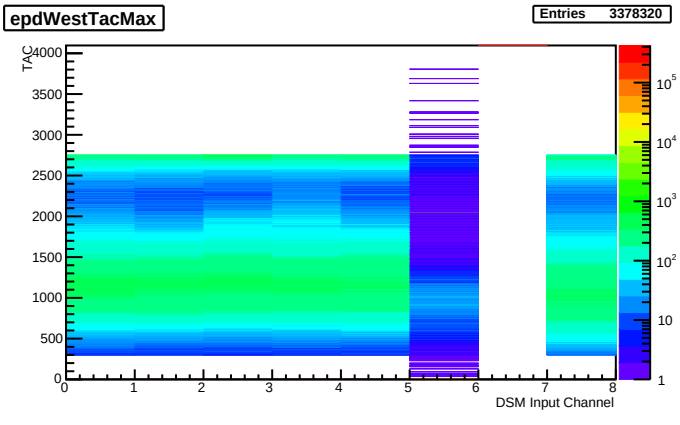
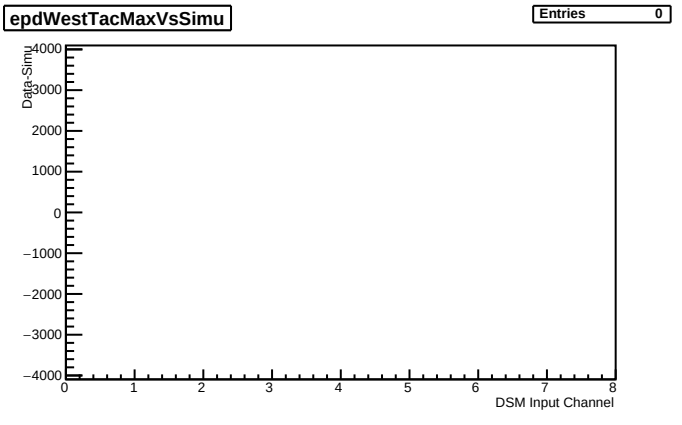
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 3378320
TAC
DSM Input Channel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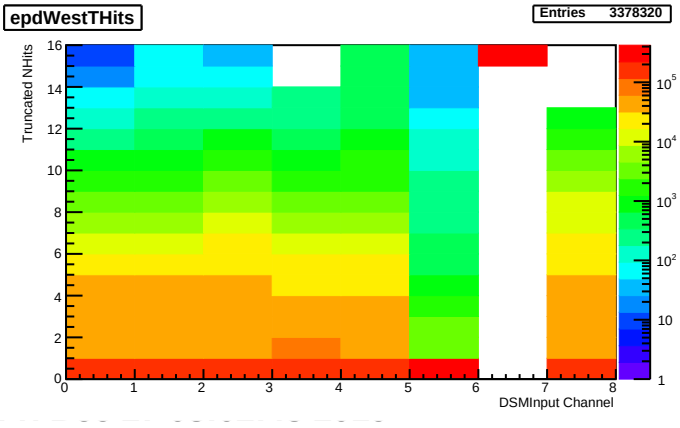
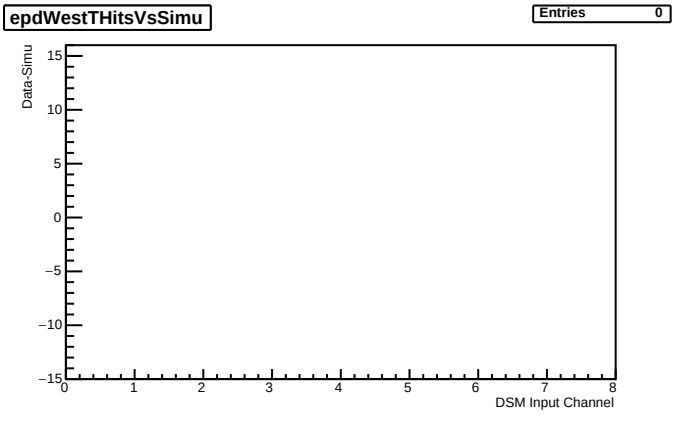
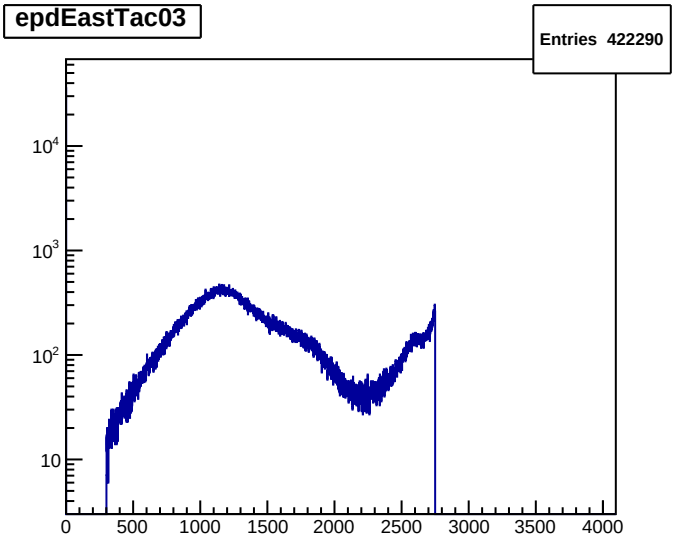
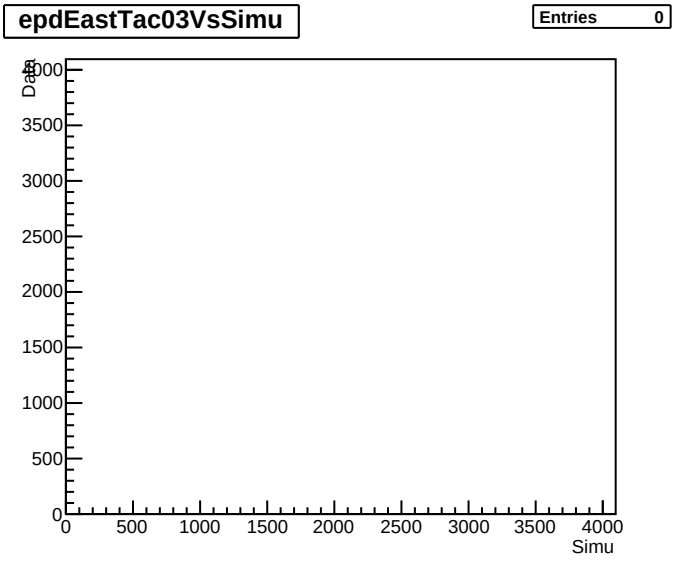
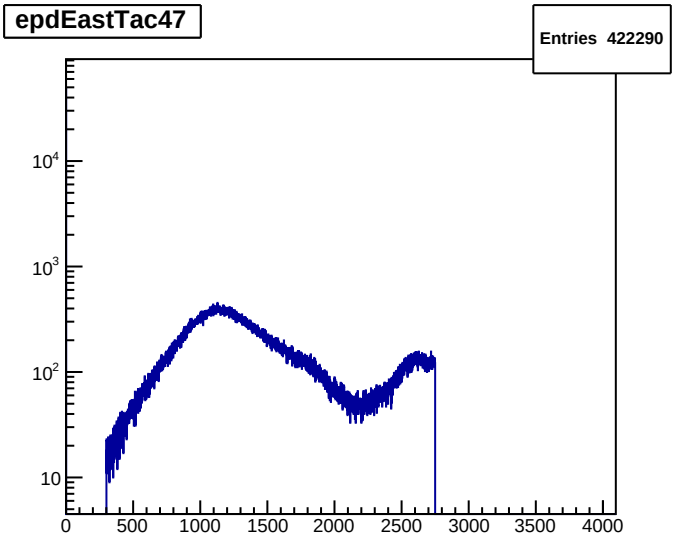
Entries 0
Data-Simu
DSM Input Channel

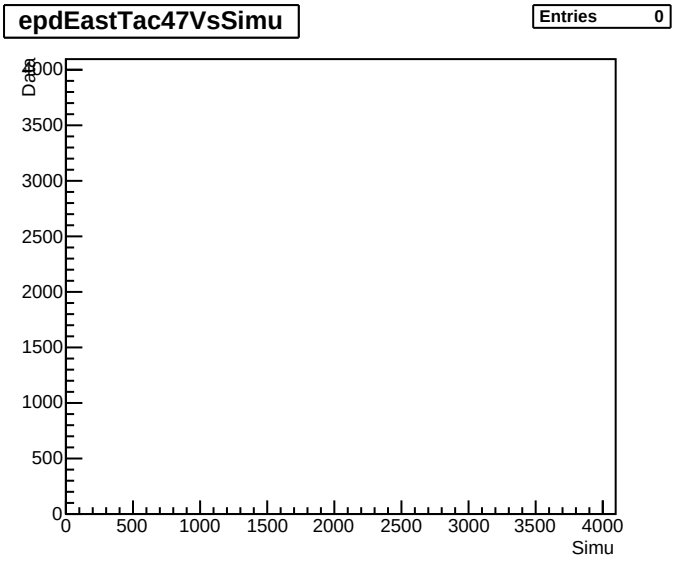

epdWestTHits
Entries 3378320
Truncated NHits
DSMInput Channel

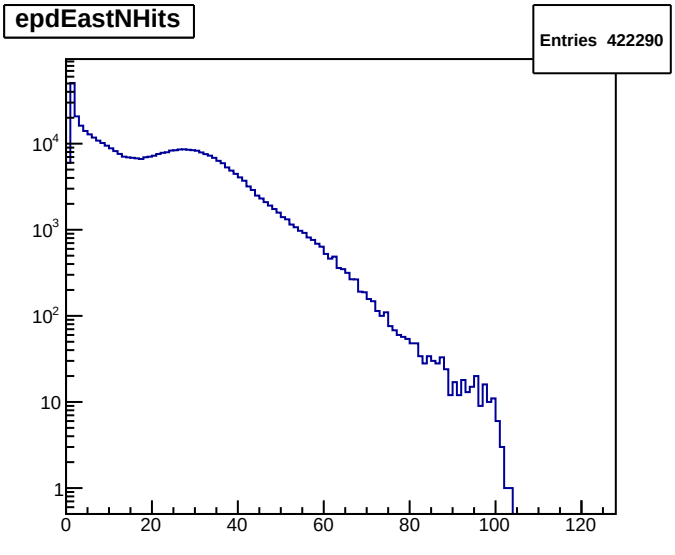

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

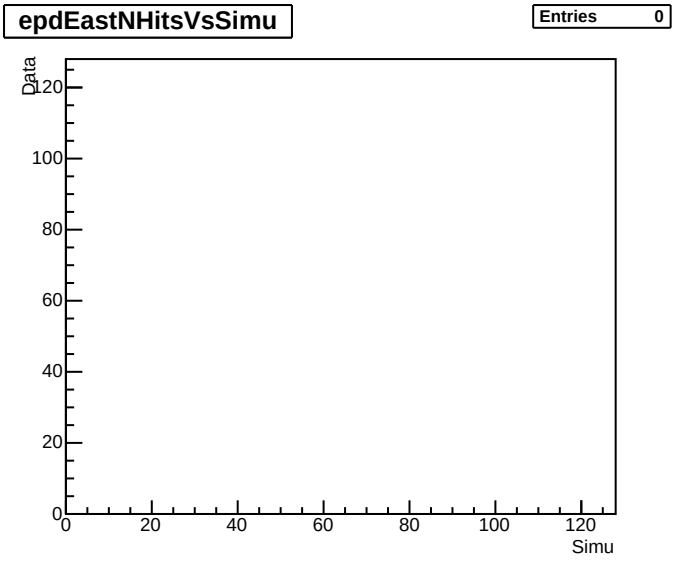

epdEastTac03
Entries 422290


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 422290


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 422290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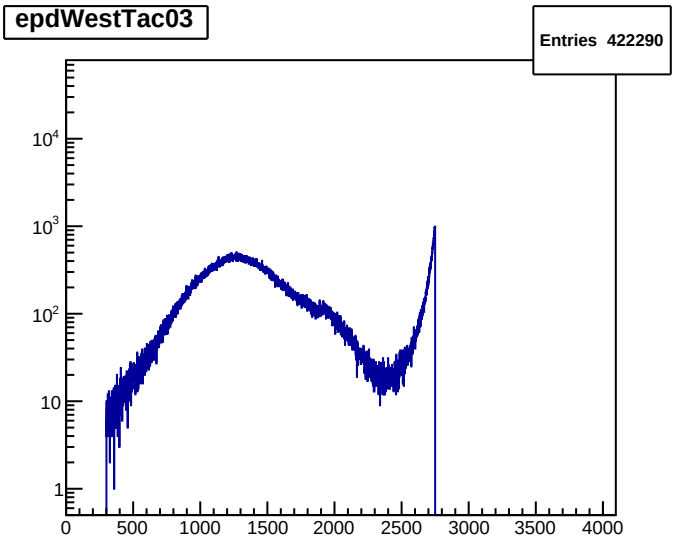
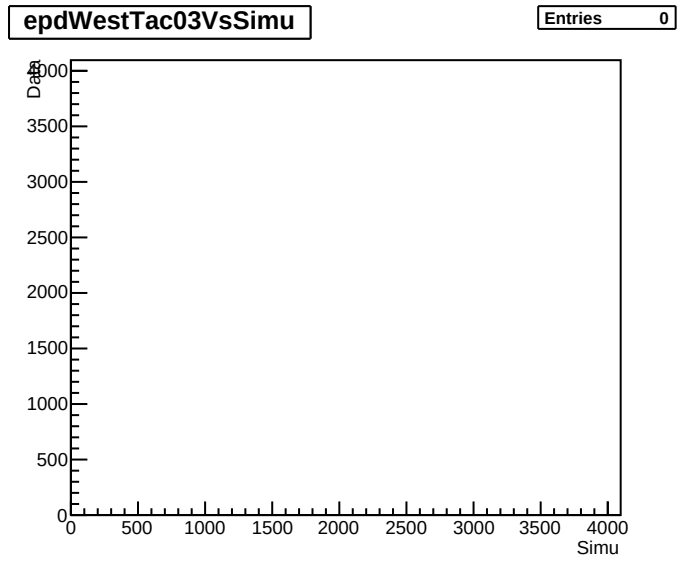
Entries 0
Data
Simu


epdWestTac03
Entries 422290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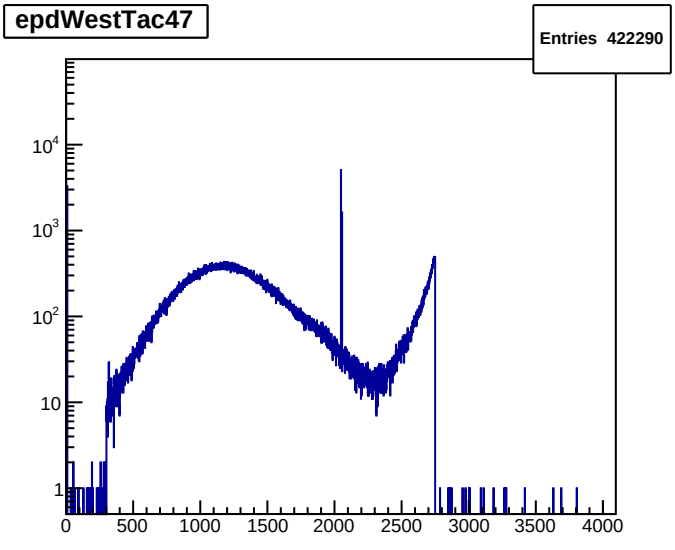
Entries 0
Data
Simu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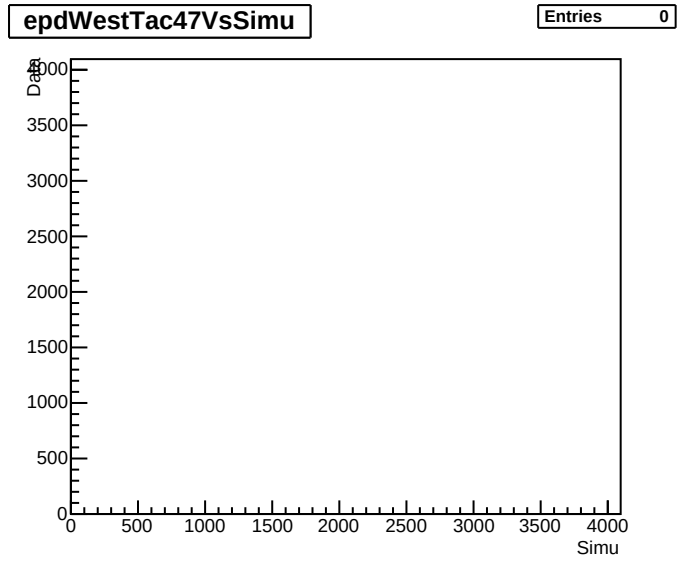
Entries 422290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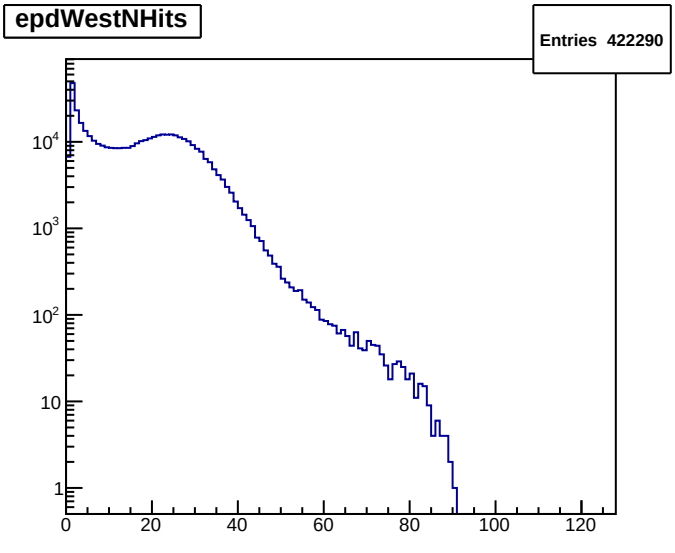
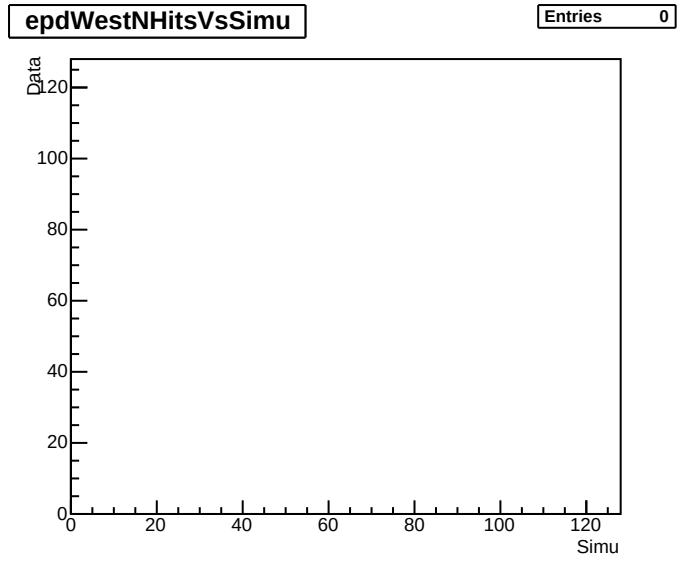
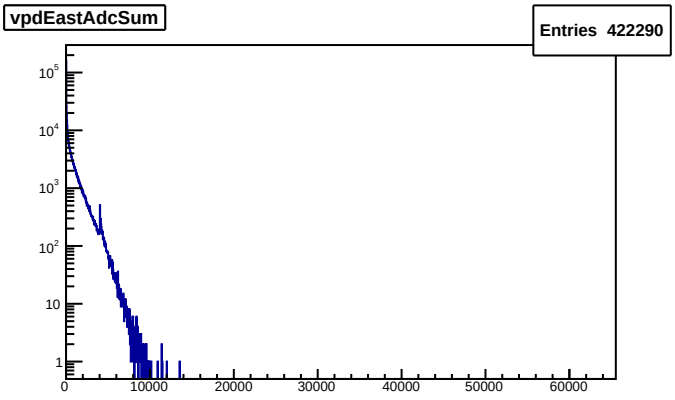
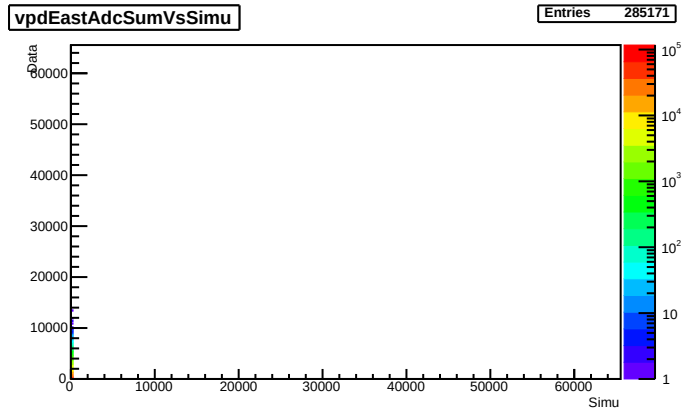
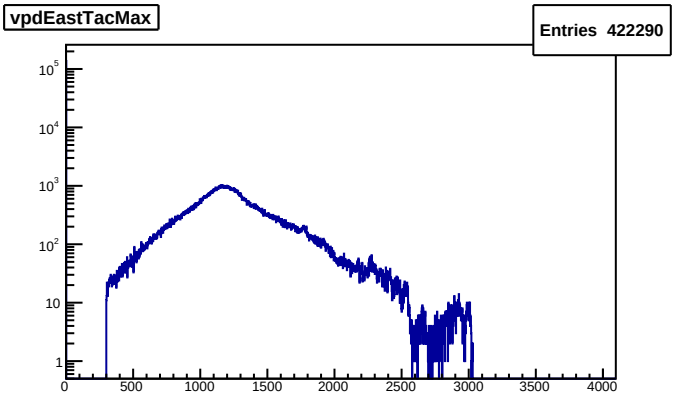
Entries 0
Data
Simu

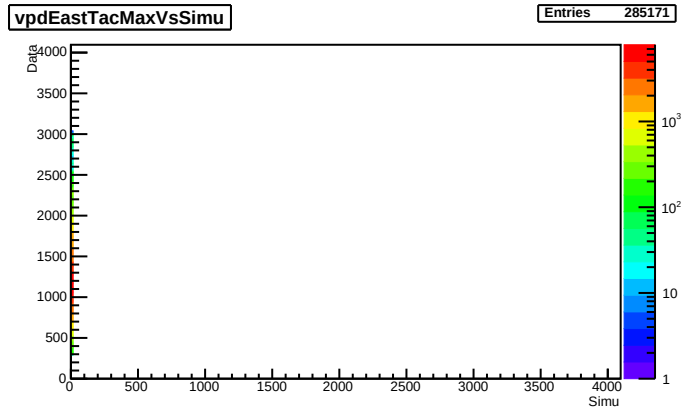

epdWestNHits
Entries 422290

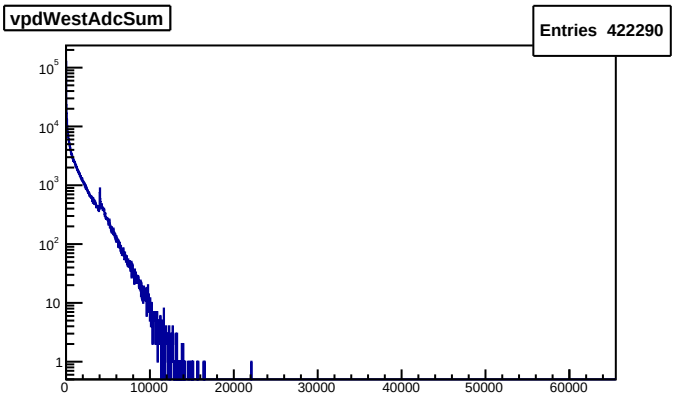

epdWestNHitsVsSimu
Entries 0
Data
Simu

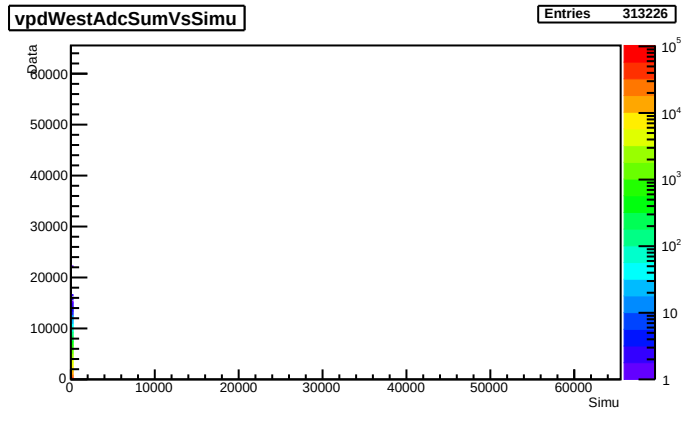

vpdEastAdcSum
Entries 422290

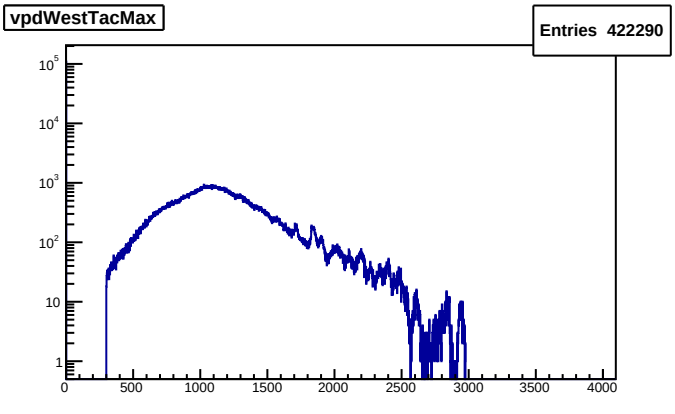

vpdEastAdcSumVsSimu
Entries 285171
Data
Simu

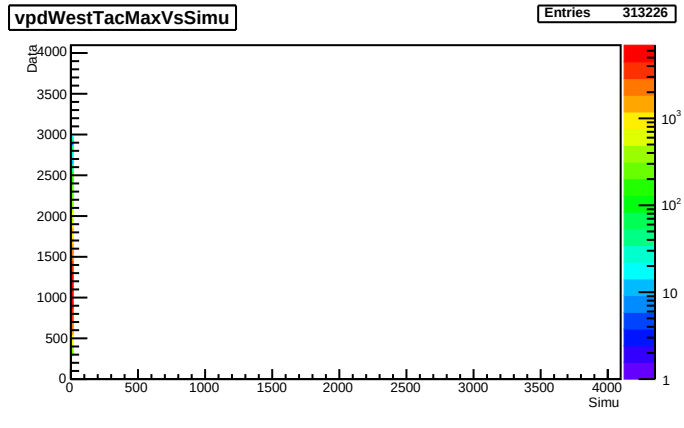

vpdEastTacMax
Entries 422290

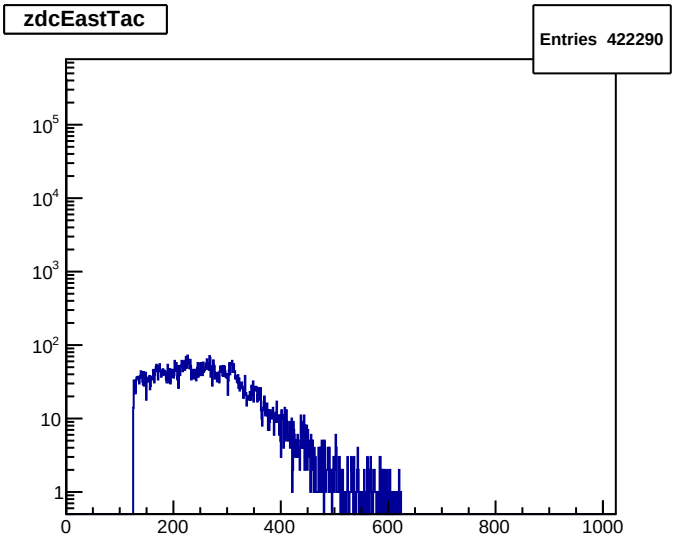

vpdEastTacMaxVsSimu
Entries 285171
Data
Simu

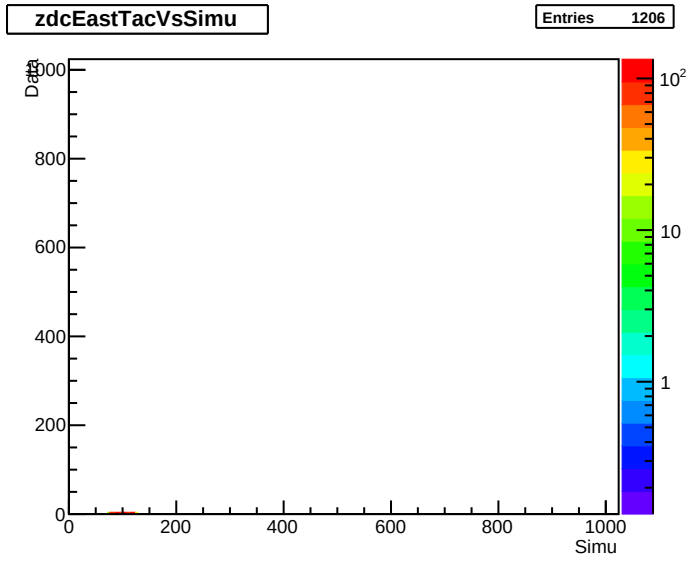

vpdWestAdcSum
Entries 422290

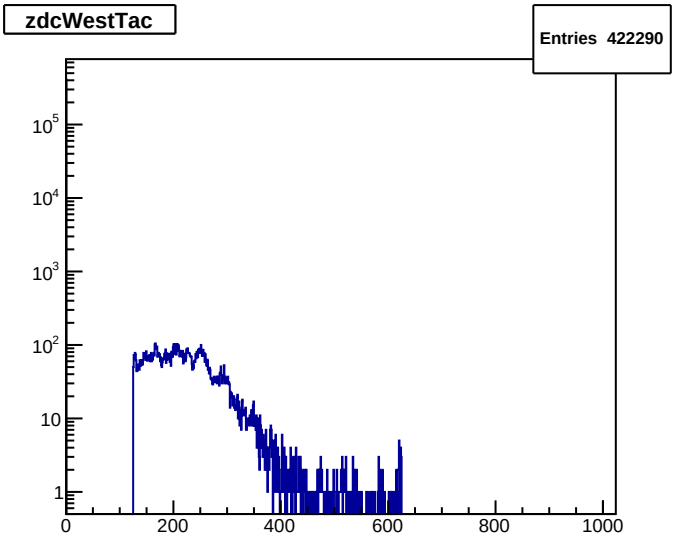

vpdWestAdcSumVsSimu
Entries 313226
Data
Simu

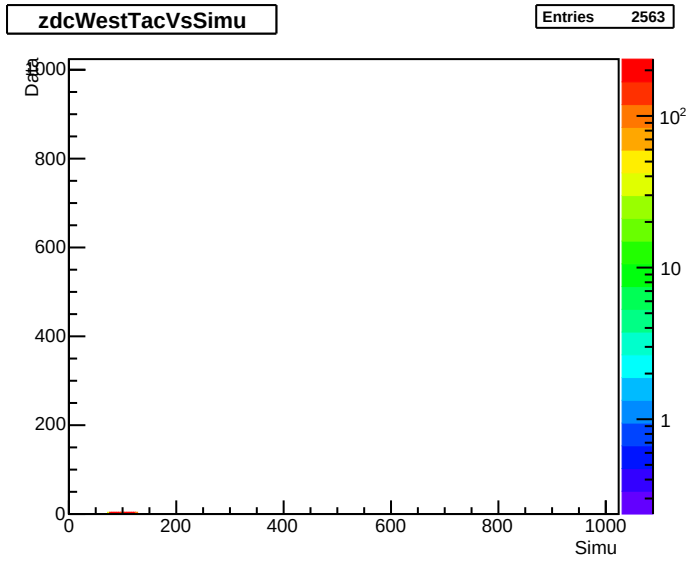

vpdWestTacMax
Entries 422290

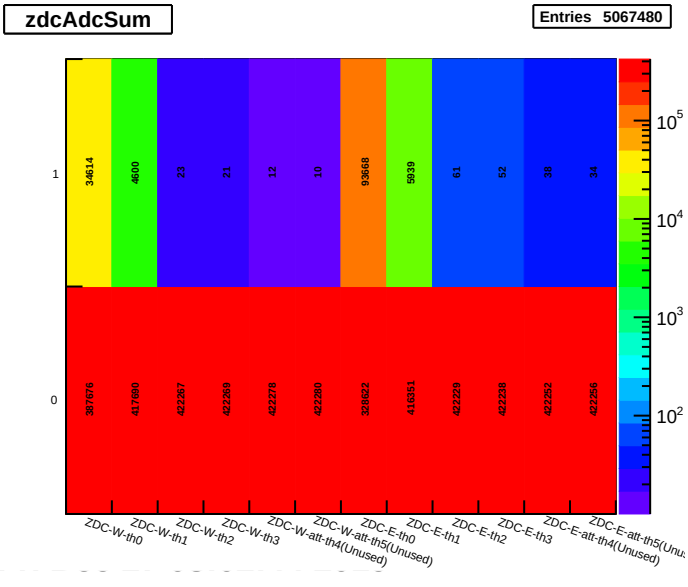

vpdWestTacMaxVsSimu
Entries 313226
Data
Simu

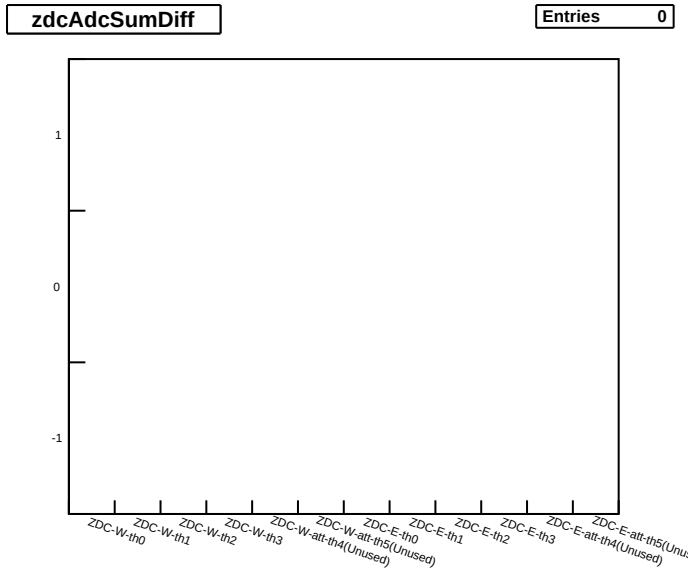

zdcEastTac
Entries 422290

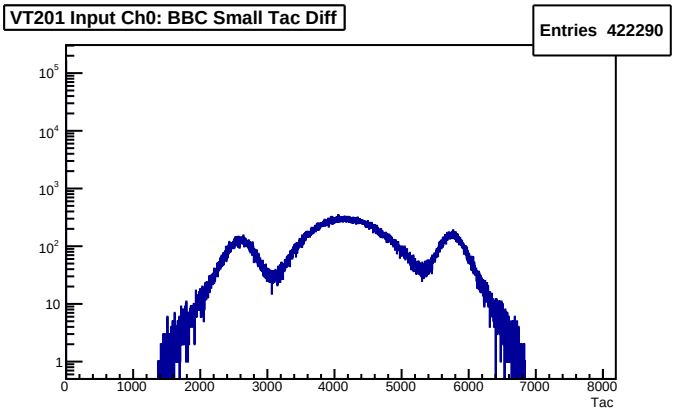

zdcEastTacVsSimu
Entries 1206
Data
Simu

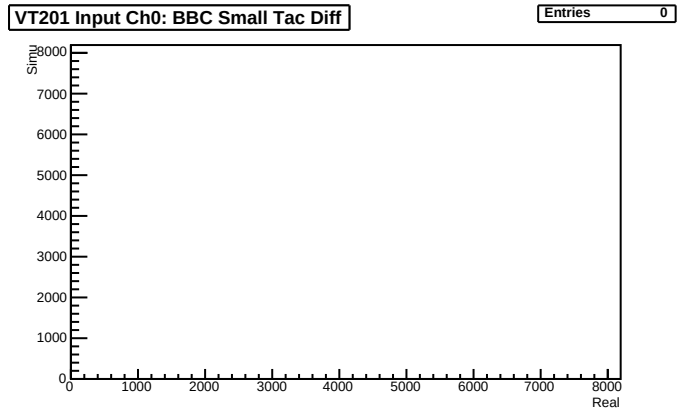

zdcWestTac
Entries 422290

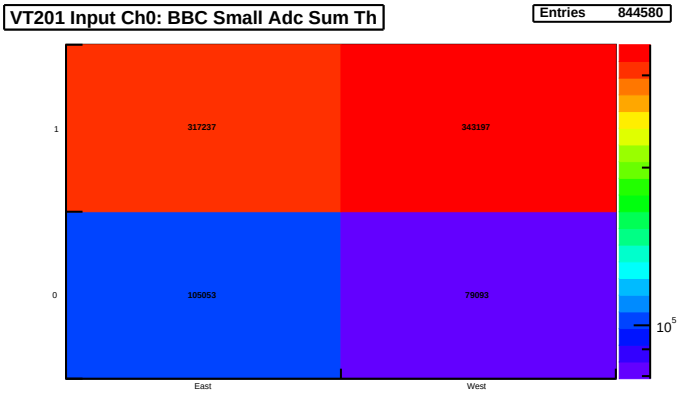

zdcWestTacVsSimu
Entries 2563
Data
Simu

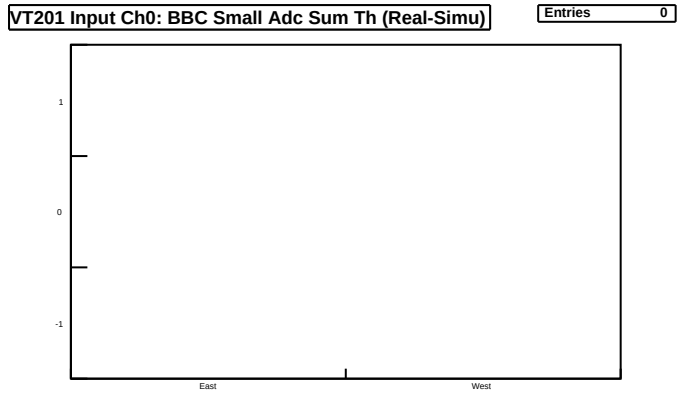

zdcAdcSum
Entries 5067480
34614
4600
23
21
12
10
93668
5939
61
52
38
34
387676
417690
422267
422269
422278
422280
328622
416351
422229
422238
422252
422256
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

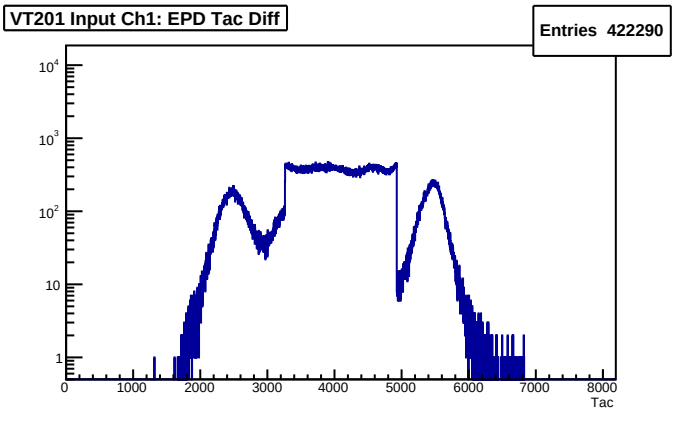

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

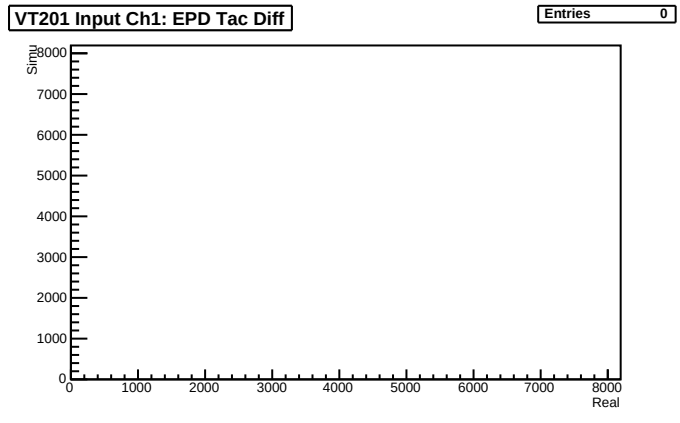

VT201 Input Ch0: BBC Small Tac Diff
Entries 422290
Tac

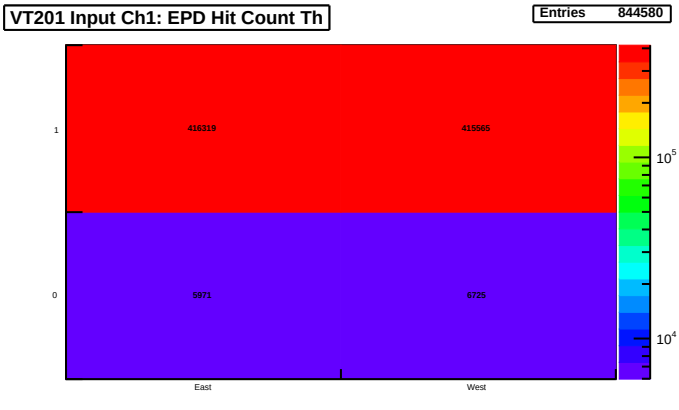

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

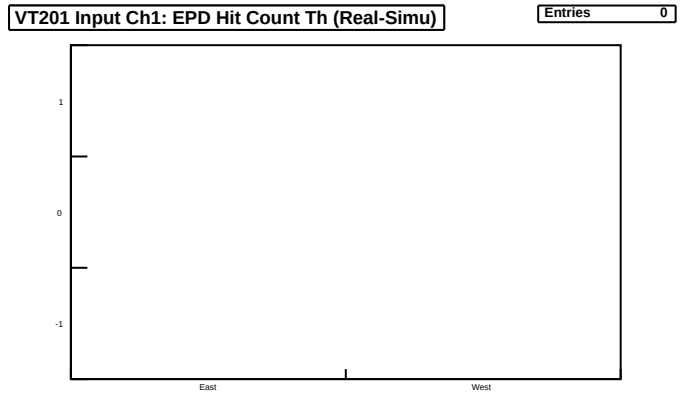

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 844580
317237
343197
105053
79093
East
West

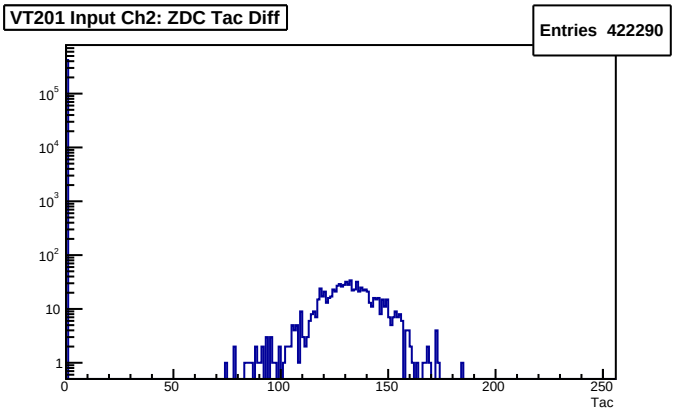

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

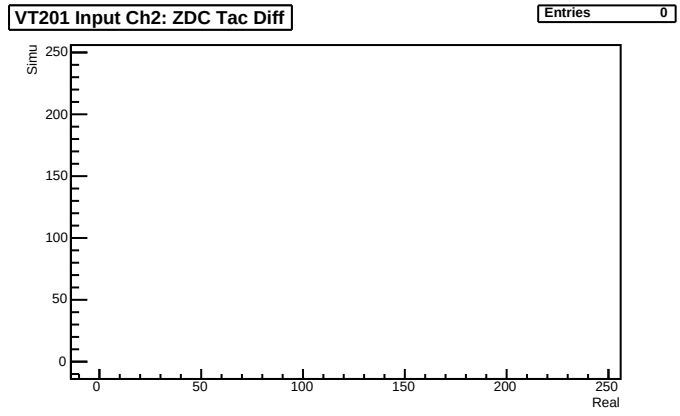

VT201 Input Ch1: EPD Tac Diff
Entries 422290
Tac

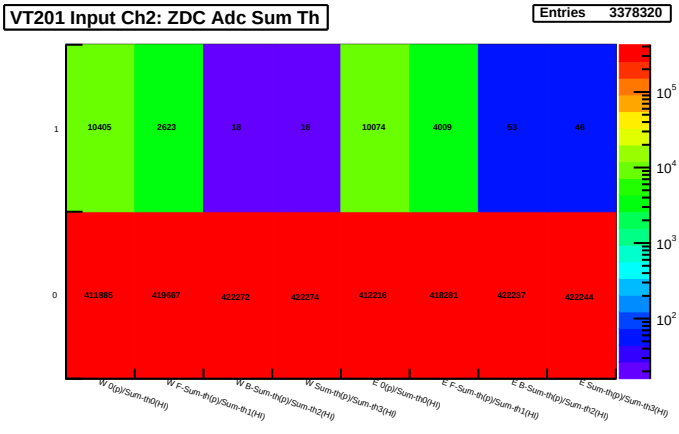

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

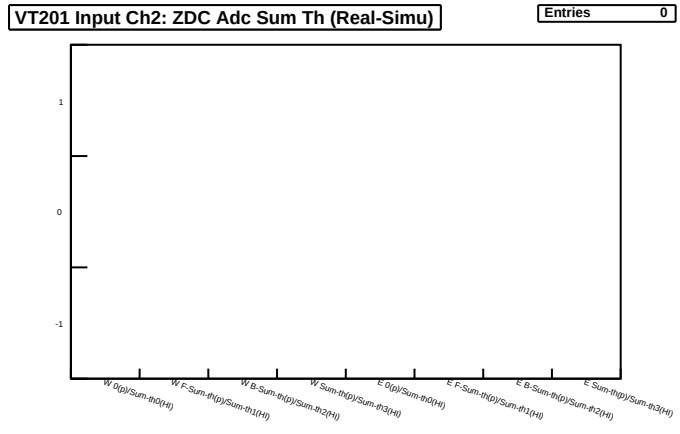

VT201 Input Ch1: EPD Hit Count Th
Entries 844580
416319
415565
5971
6725
East
West

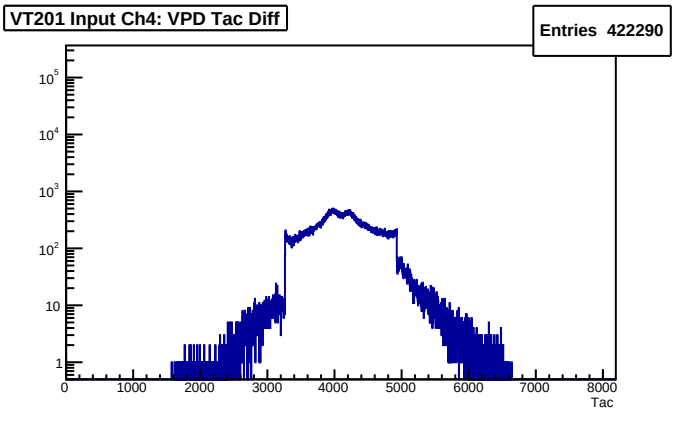

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

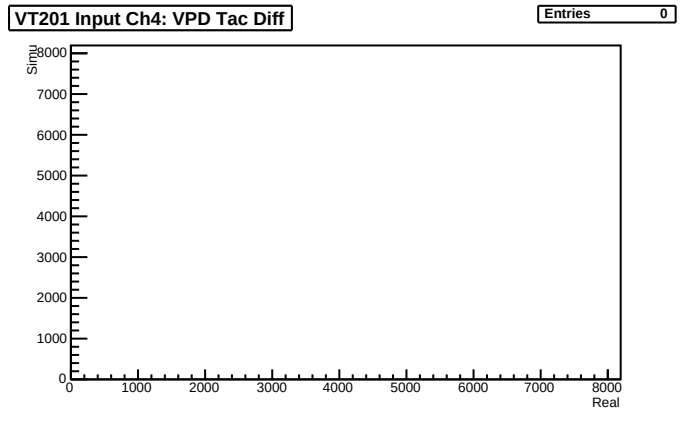

VT201 Input Ch2: ZDC Tac Diff
Entries 422290
Tac

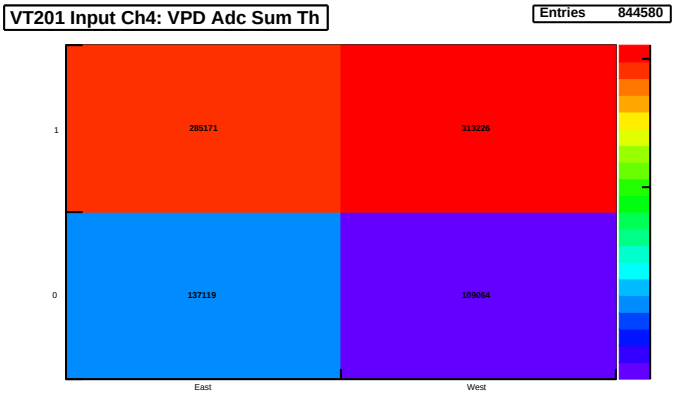

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

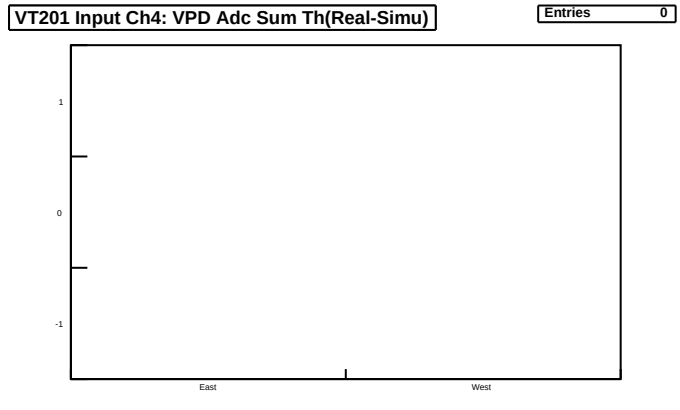

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3378320
10405
2623
18
16
10074
4009
53
46
411885
419667
422272
422274
412216
418281
422237
422244
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

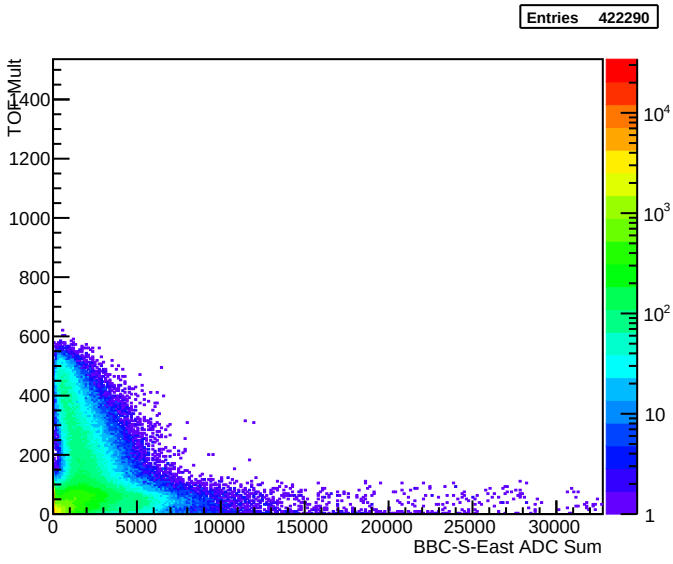

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

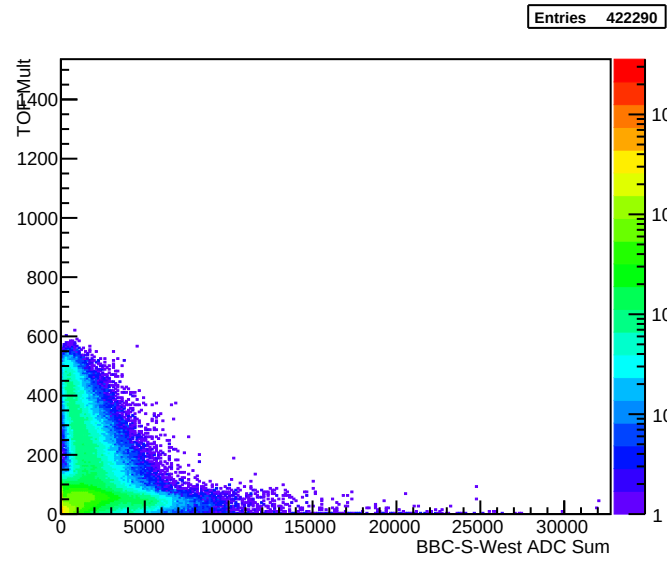

VT201 Input Ch4: VPD Tac Diff
Entries 422290
Tac

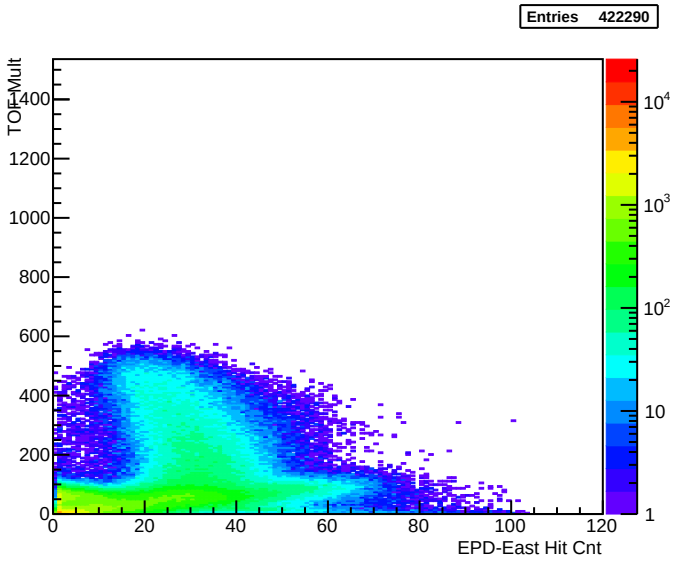

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

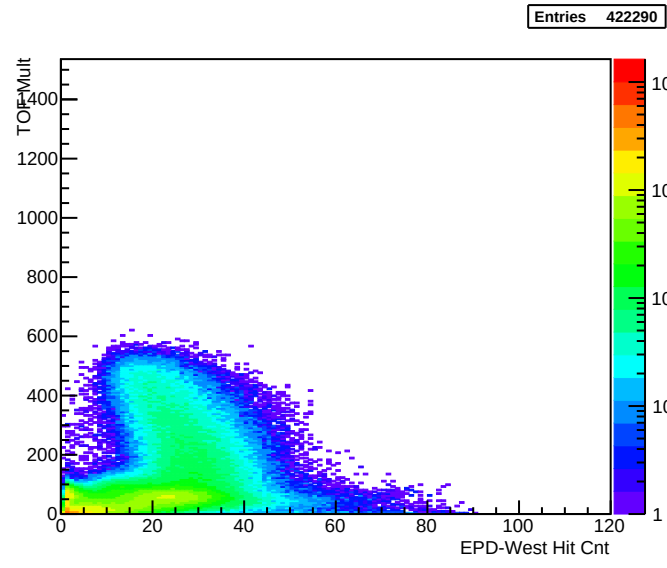

VT201 Input Ch4: VPD Adc Sum Th
Entries 844580
285171
313226
137119
109064
East
West

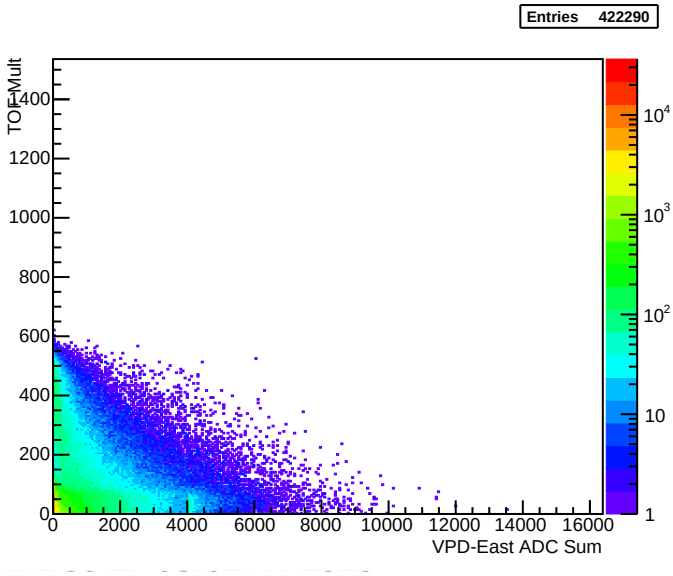

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

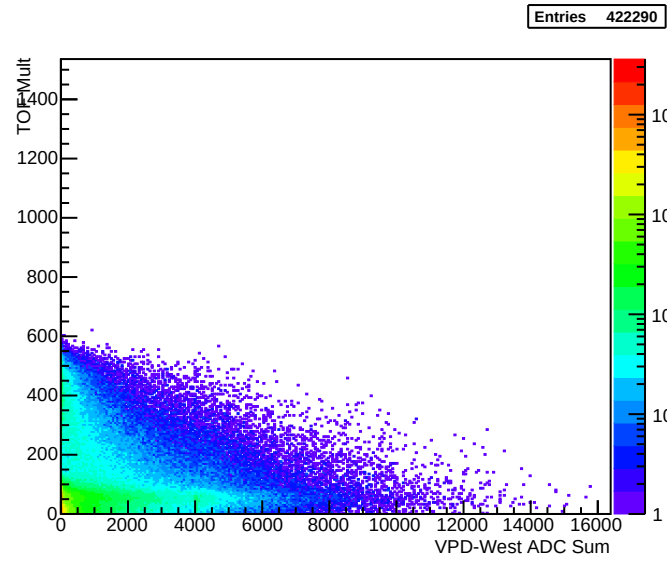

Entries 422290
TOF-Mult
BBC-S-East ADC Sum

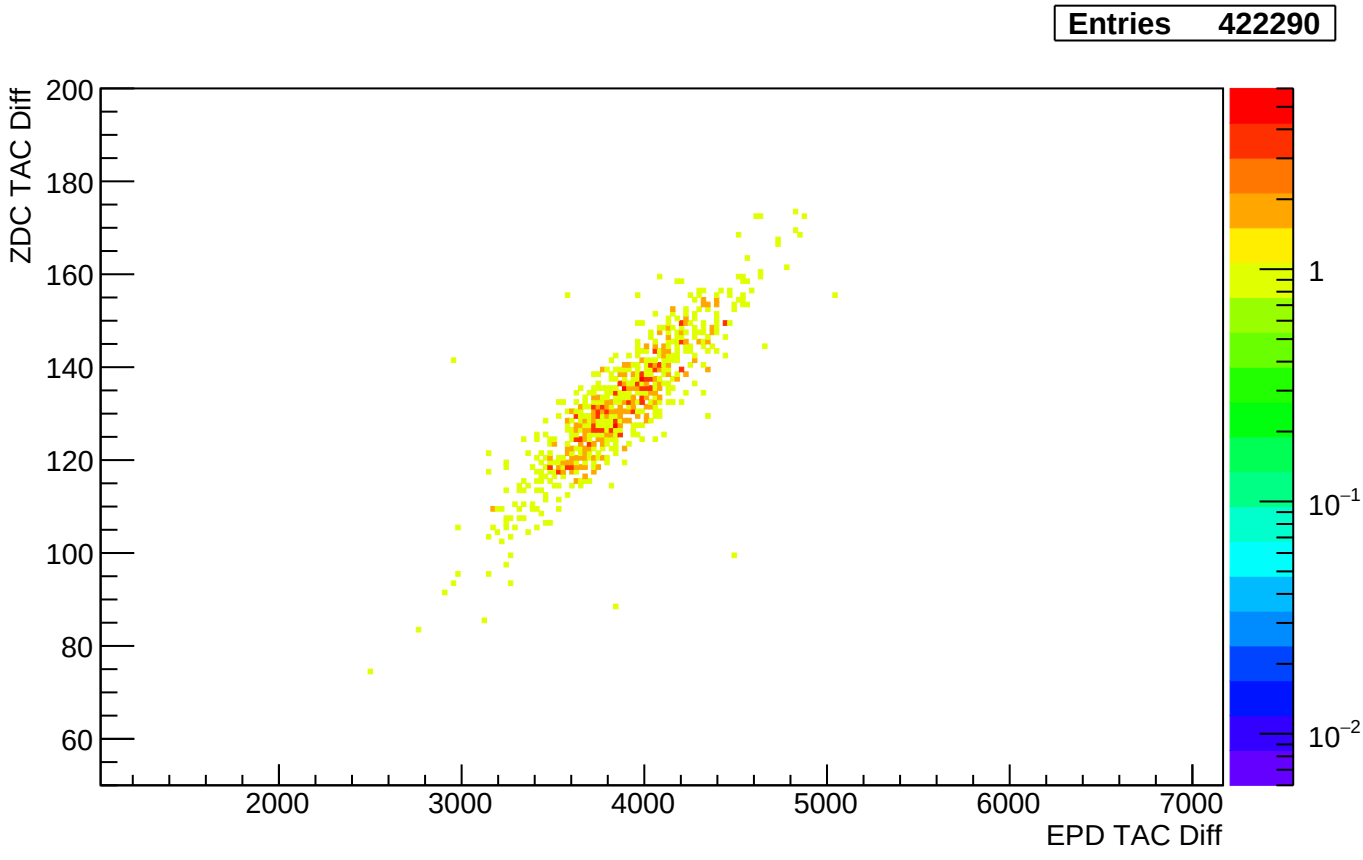

Entries 422290
TOF-Mult
BBC-S-West ADC Sum

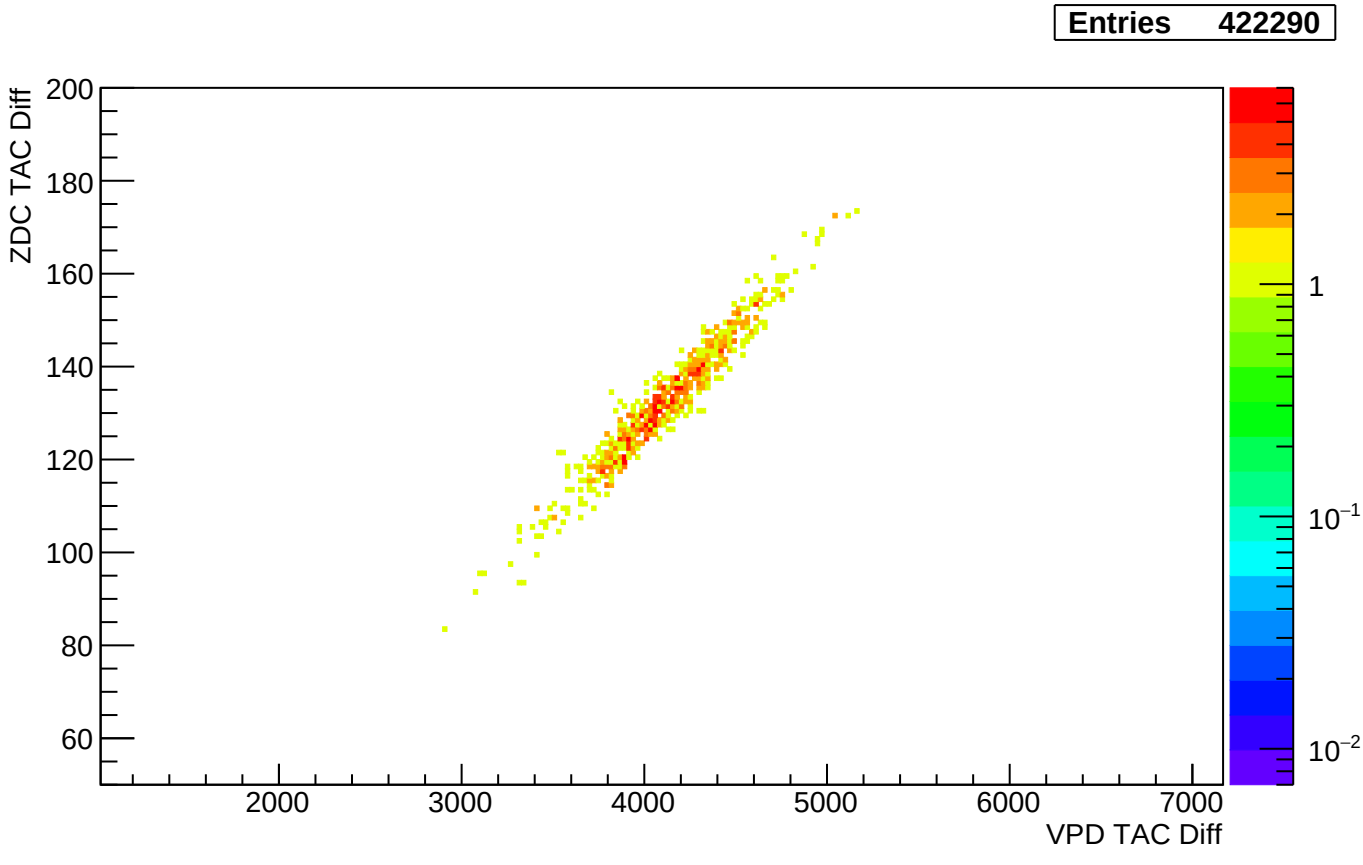

Entries 422290
TOF-Mult
EPD-East Hit Cnt

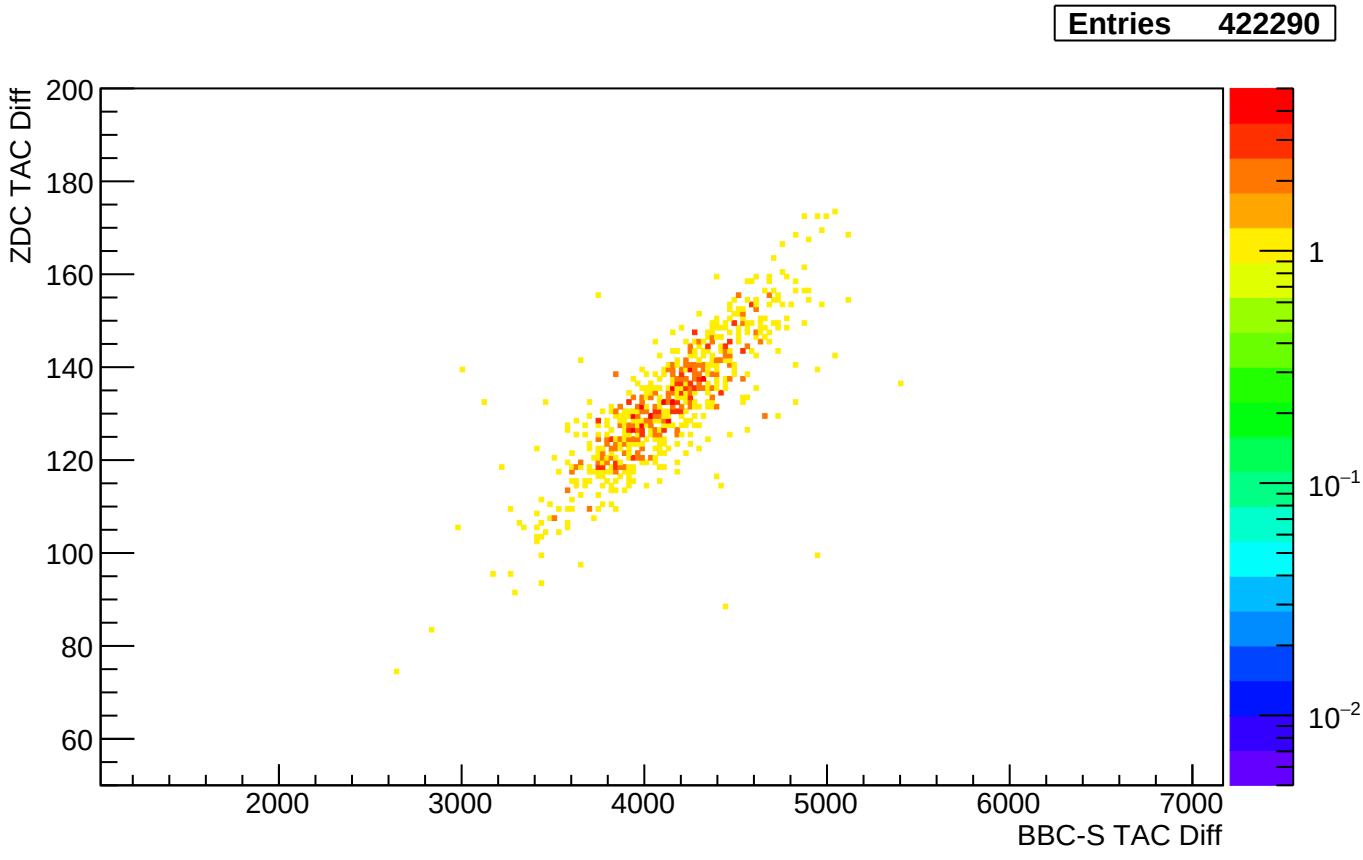

Entries 422290
TOF-Mult
EPD-West Hit Cnt

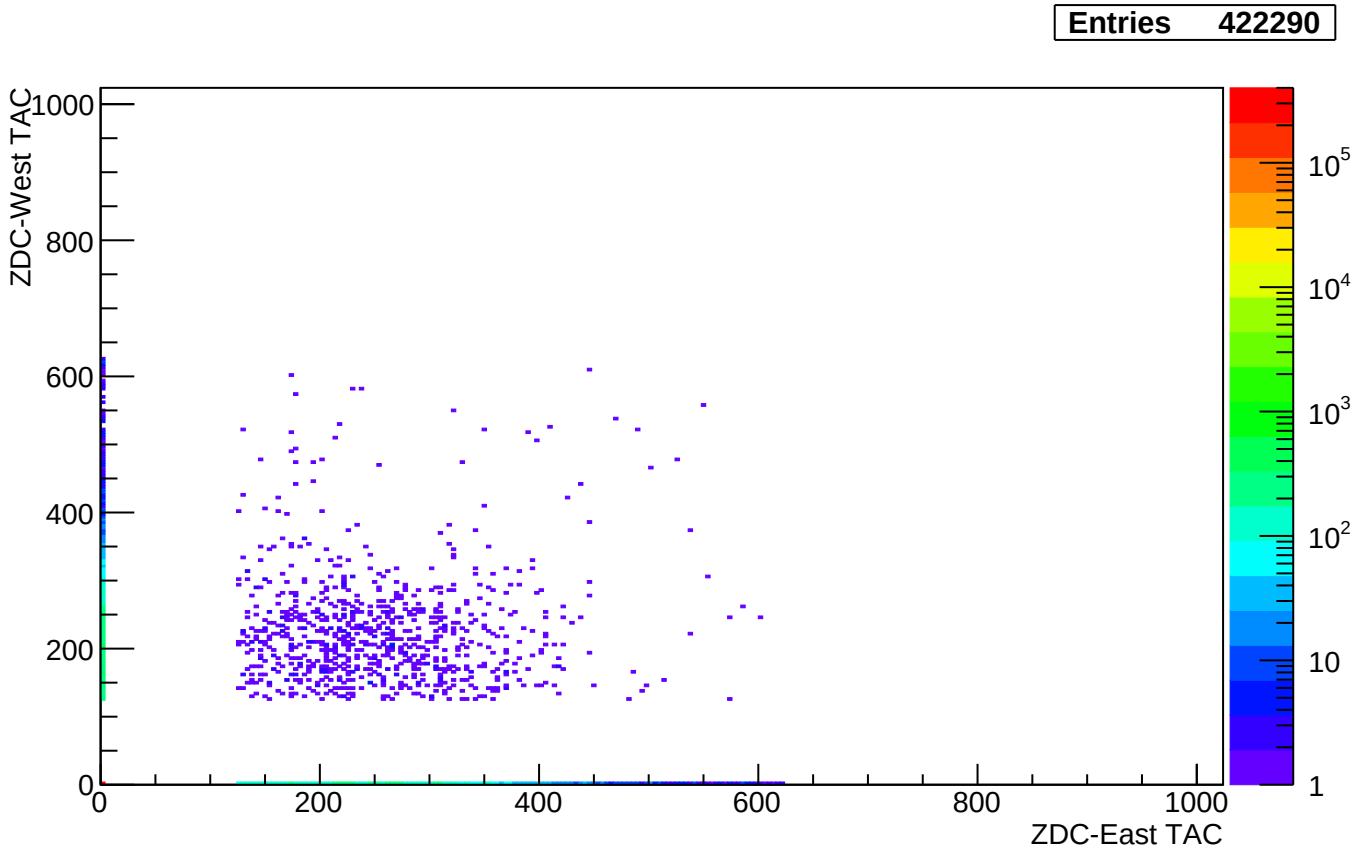

Entries 422290
TOF-Mult
VPD-East ADC Sum

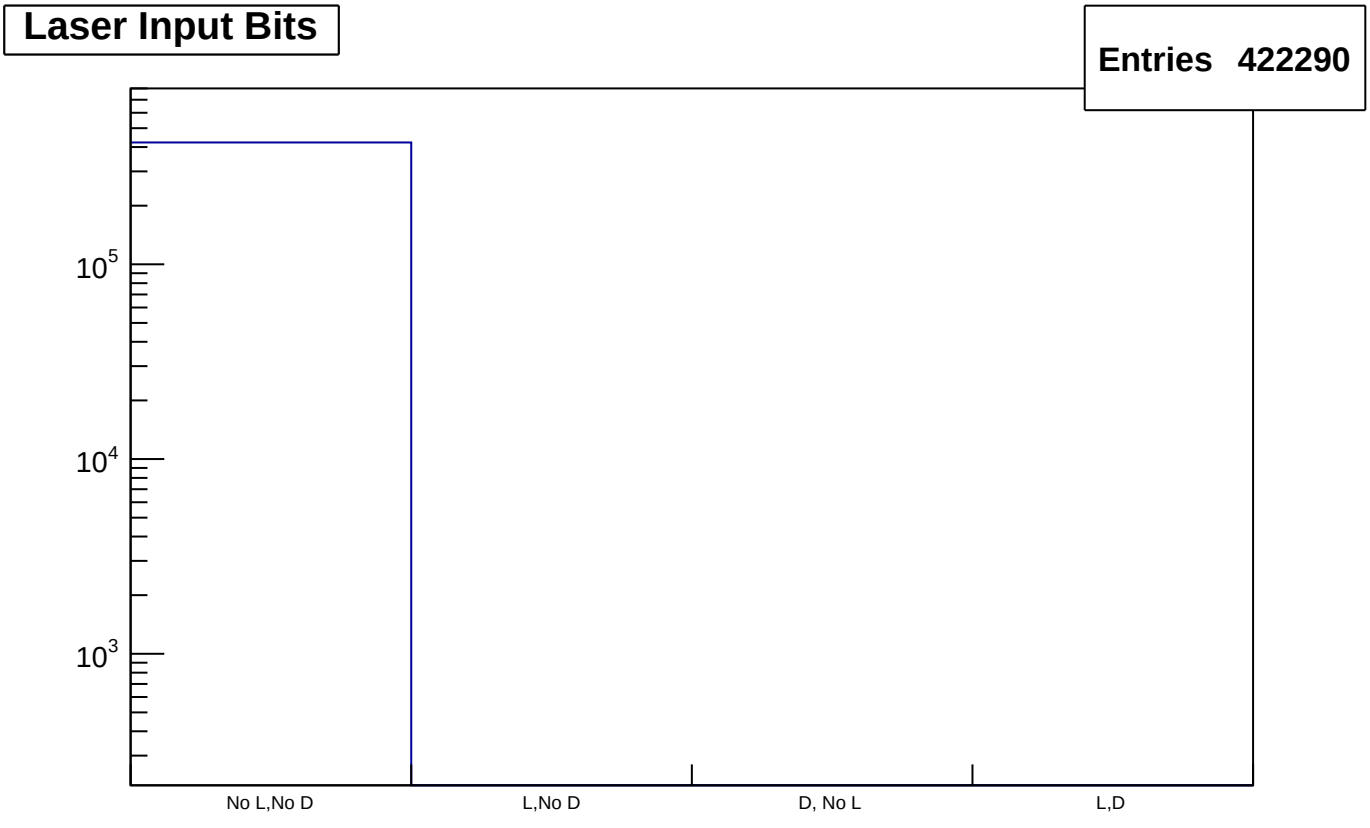

Entries 422290
TOF-Mult
VPD-West ADC Sum

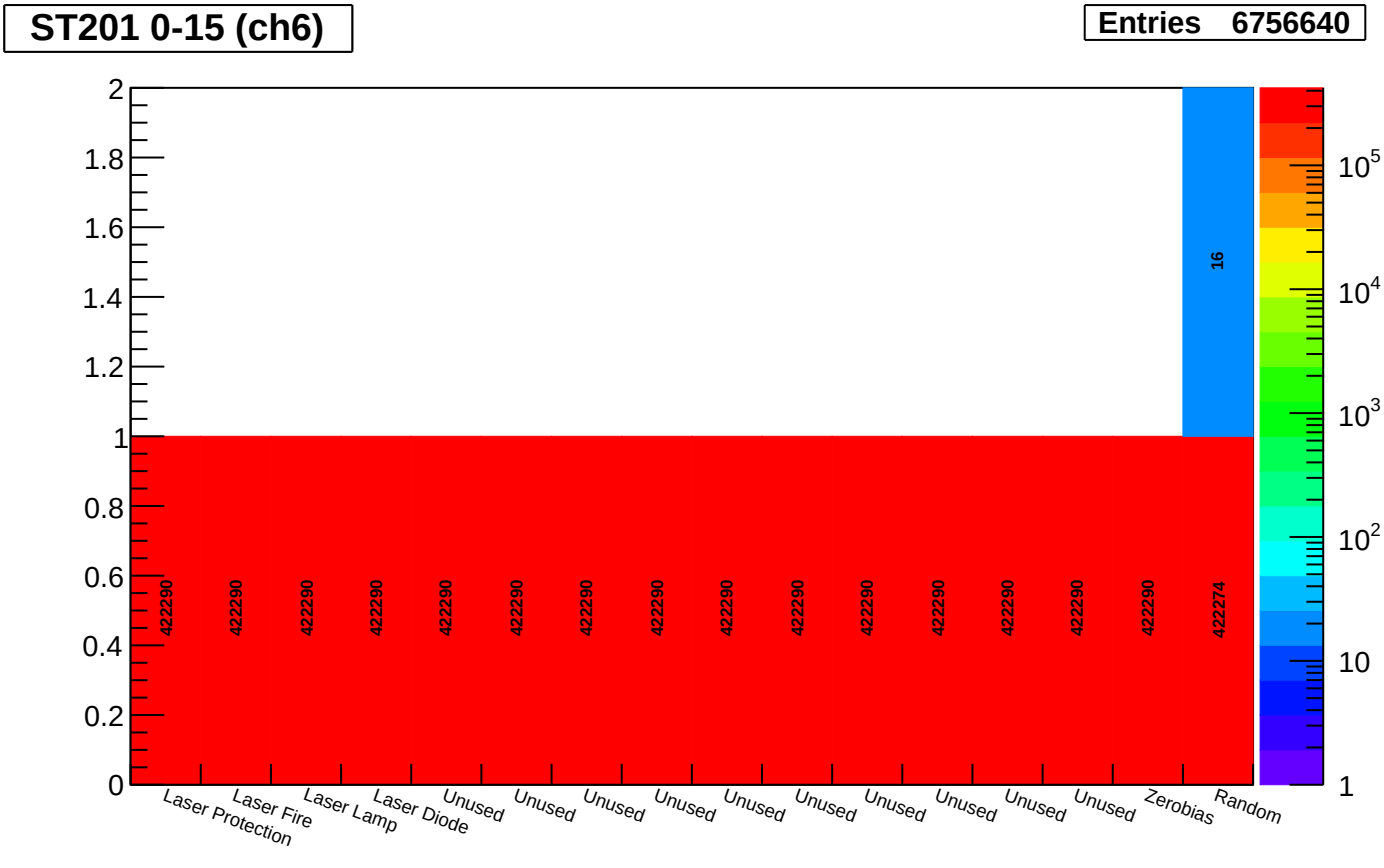

Entries 422290
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

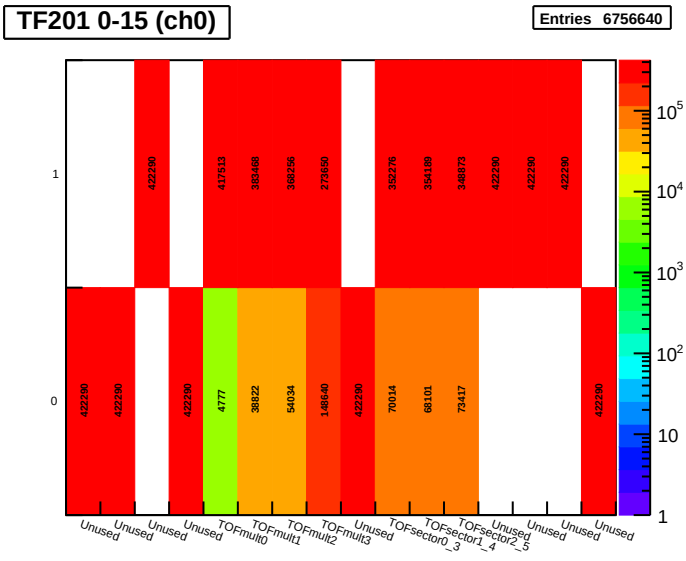

Entries 422290
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

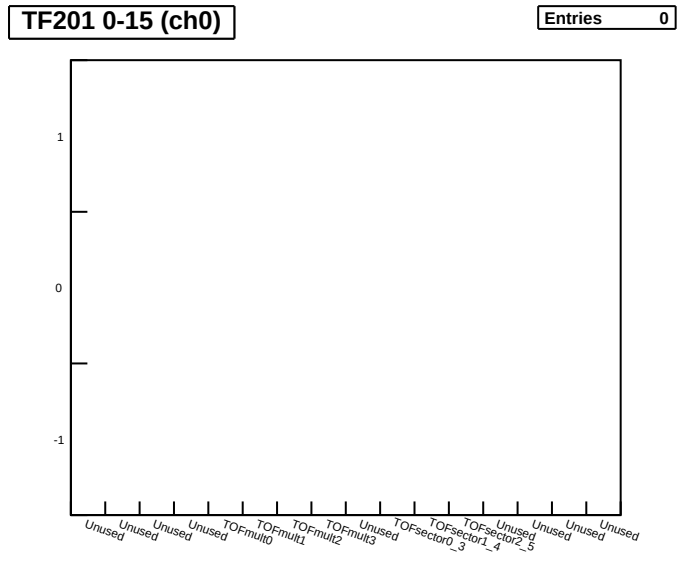

Entries 422290
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

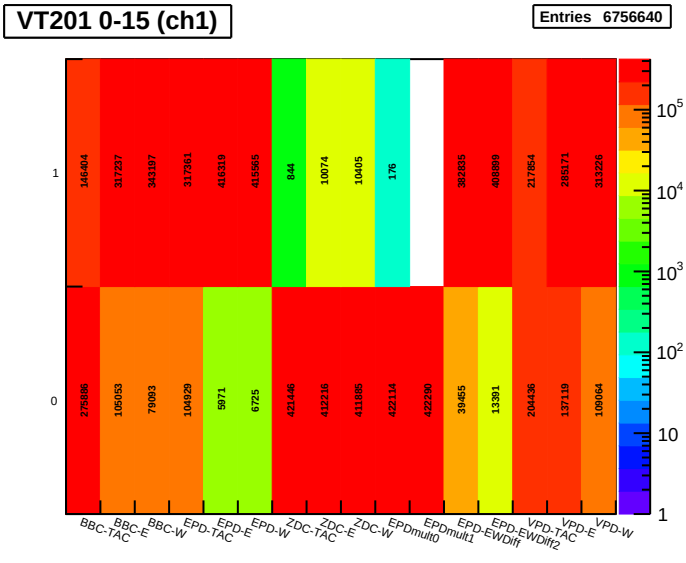

Entries 422290
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

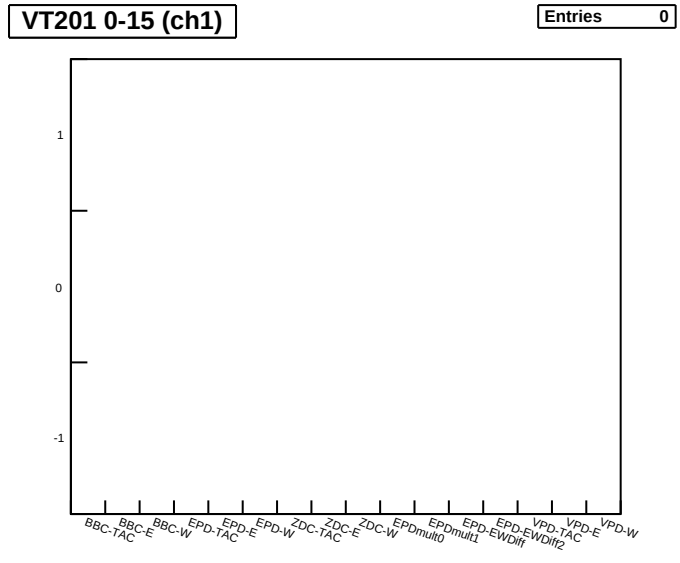

Laser Input Bits
Entries 422290
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

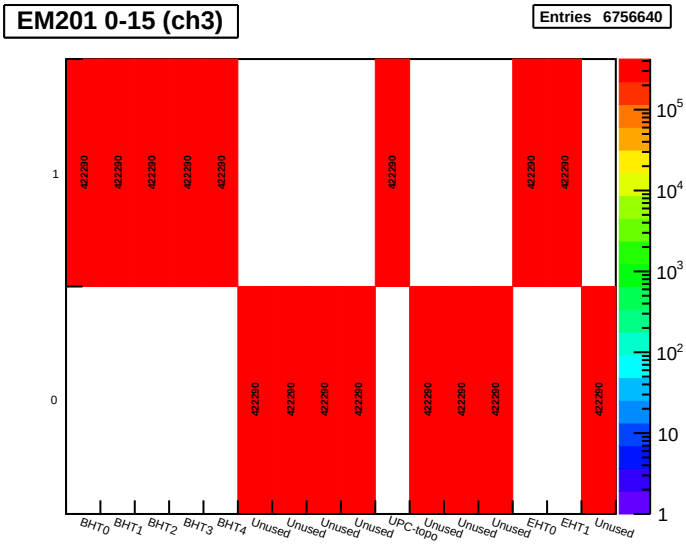

ST201 0-15 (ch6)
Entries 6756640
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
16
422290
422274
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

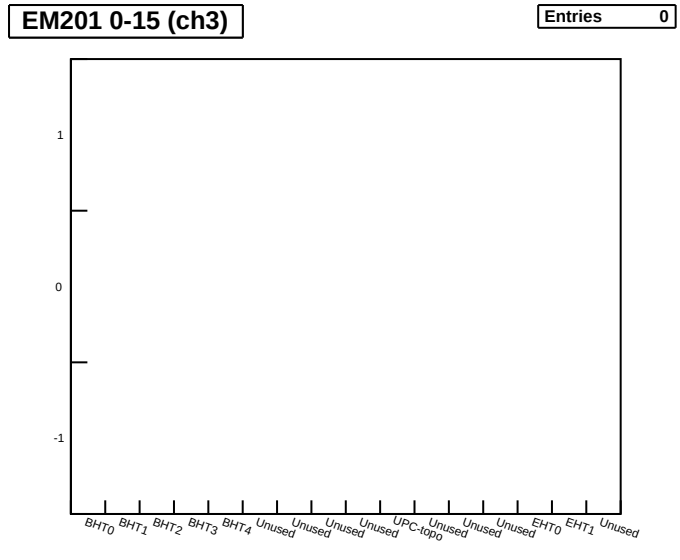

TF201 0-15 (ch0)
Entries 6756640
422290 417513 383468 368256 273650 352276 354189 348873 422290 422290 422290
422290 422290 422290 4777 38822 54034 148640 422290 70014 68101 73417 422290
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
1
0
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 6756640
146404 317237 343197 317361 416319 415565 844 10074 10405 176 382355 408899 217854 285171 313226
275886 105053 79093 104929 5971 6725 421446 412216 411885 422114 422290 394455 13391 204436 137119 109064
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
1
0
10^5
10^4
10^3
10^2
10
1


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
1
0
-1


EM201 0-15 (ch3)
Entries 6756640
422290 422290 422290 422290 422290 422290 422290 422290
422290 422290 422290 422290 422290 422290 422290 422290
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1
0
10^5
10^4
10^3
10^2
10
1


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