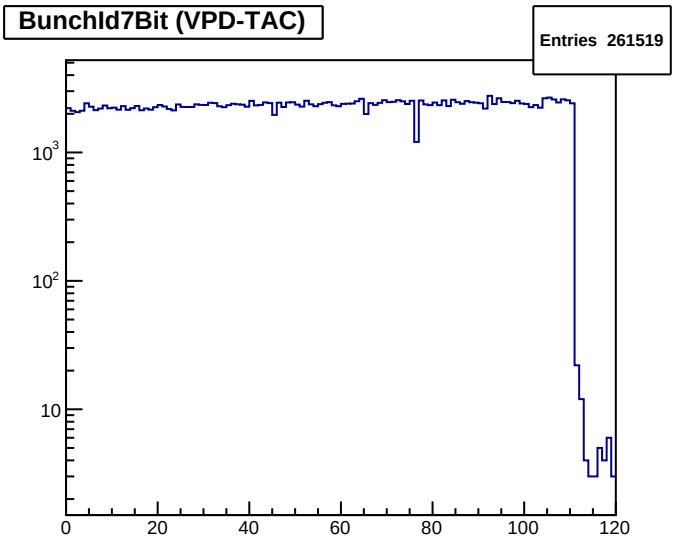
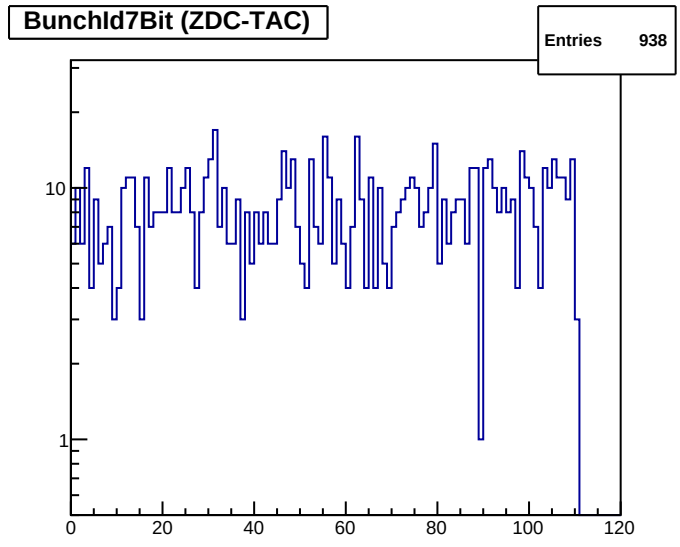
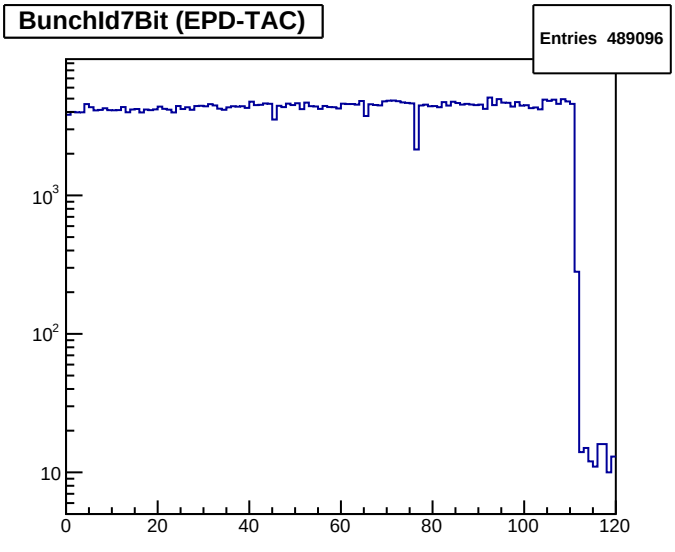
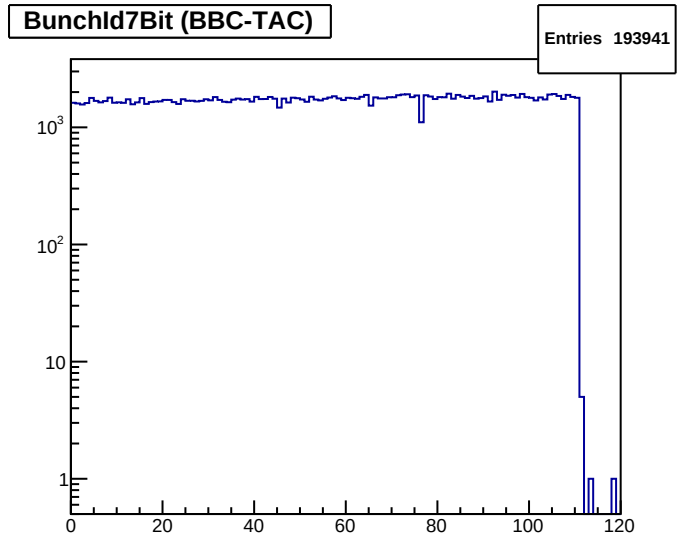
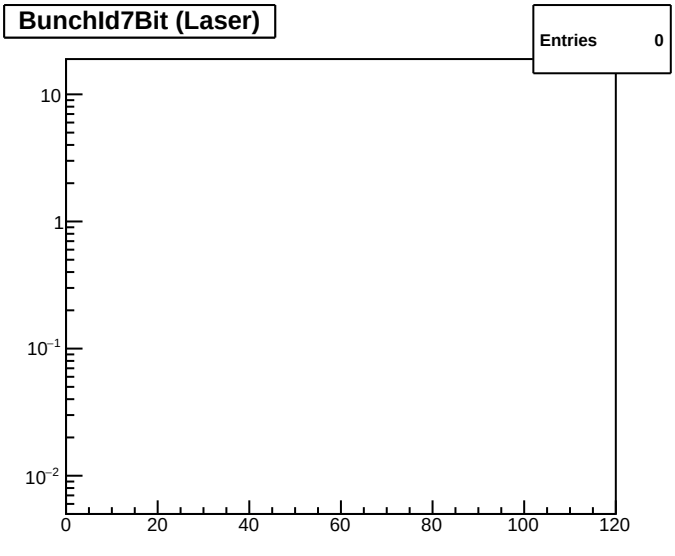
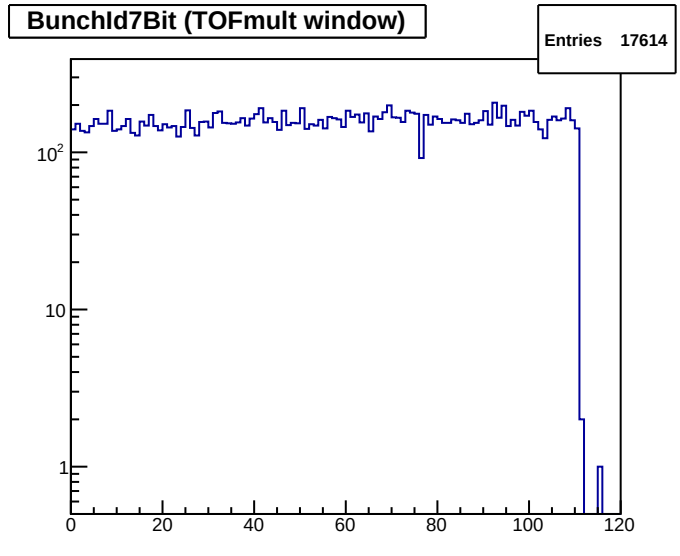

BunchId7Bit (VPD-TAC)
Entries 261519
10^3
10^2
10
0
20
40
60
80
100
120

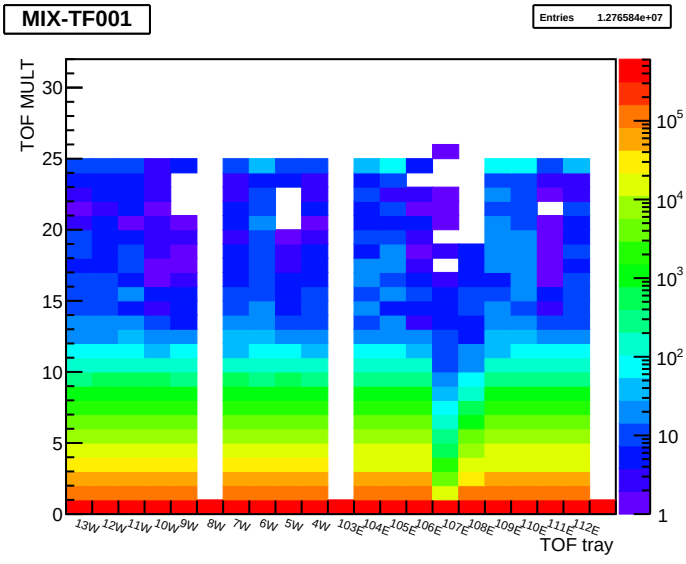

BunchId7Bit (ZDC-TAC)
Entries 938
10
1
0
20
40
60
80
100
120

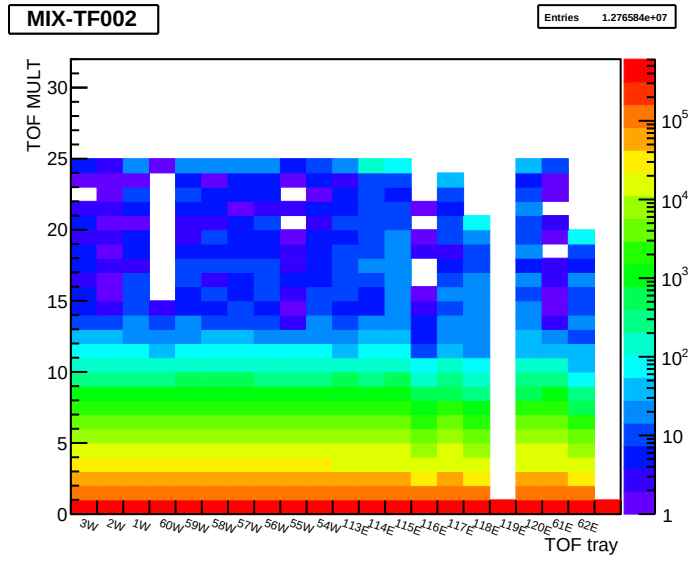

BunchId7Bit (EPD-TAC)
Entries 489096
10^3
10^2
10
0
20
40
60
80
100
120

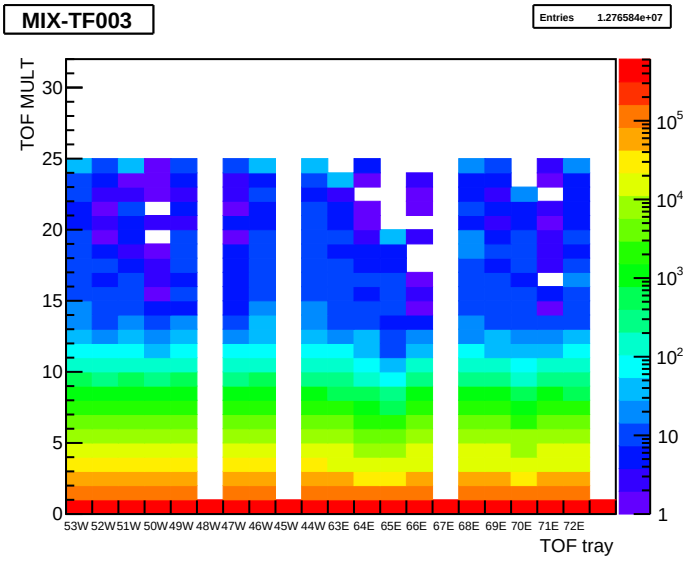

BunchId7Bit (BBC-TAC)
Entries 193941
10^3
10^2
10
1
0
20
40
60
80
100
120

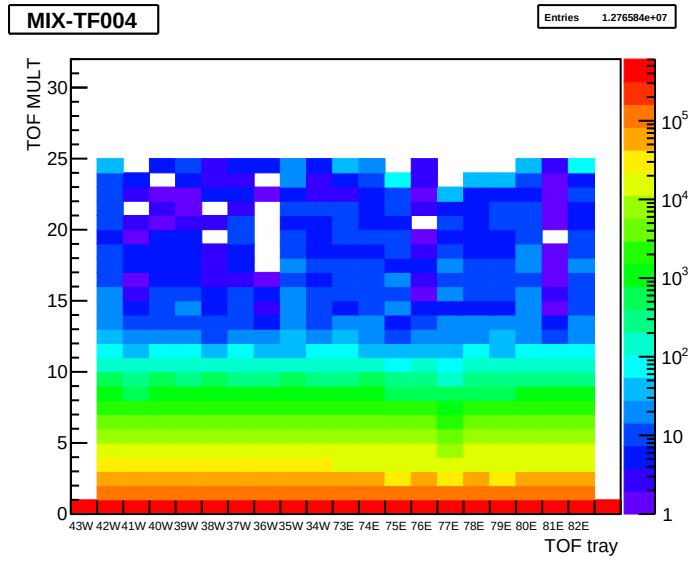

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

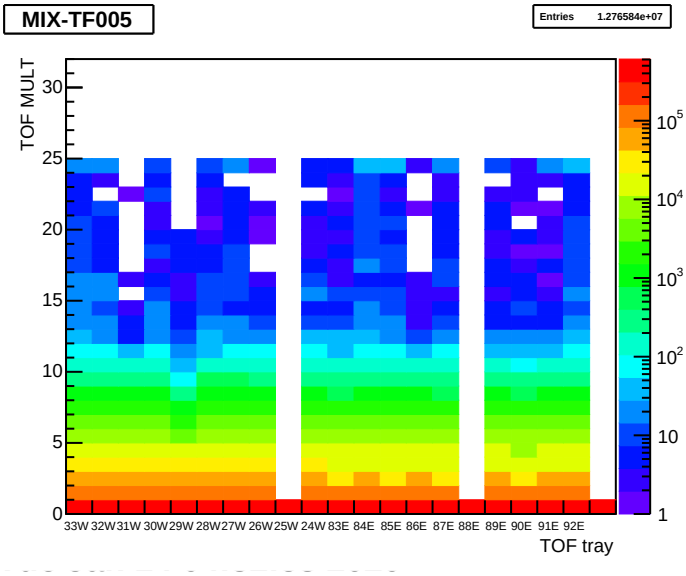

BunchId7Bit (TOFmult window)
Entries 17614
10^2
10
1
0
20
40
60
80
100
120

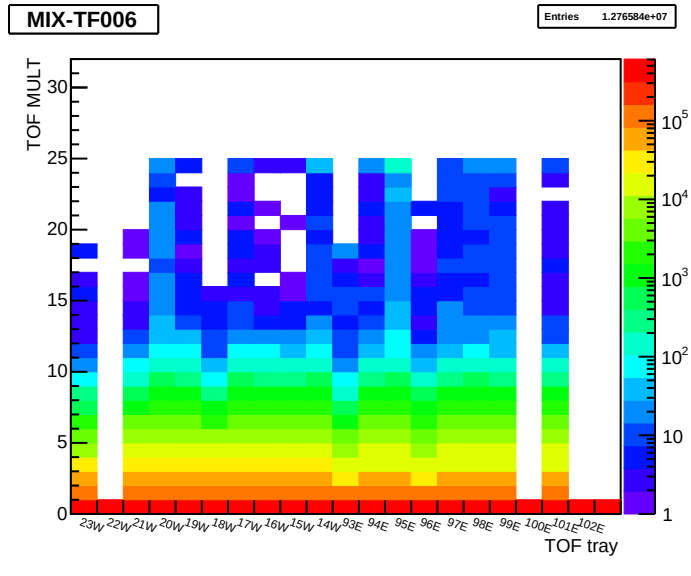

MIX-TF001
Entries 1.276584e+07
TOF MULT
TOF tray

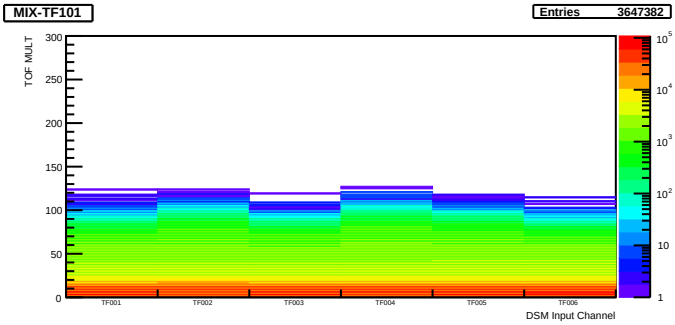

MIX-TF002
Entries 1.276584e+07
TOF MULT
TOF tray

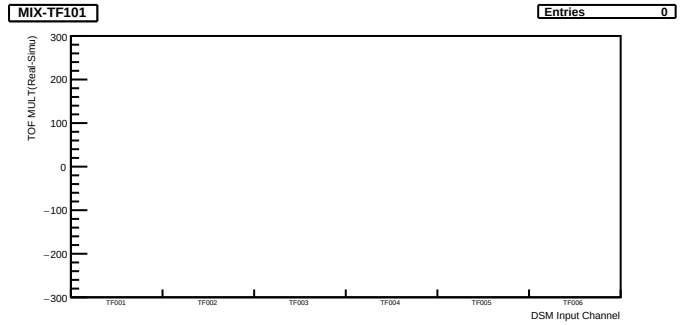

MIX-TF003
Entries 1.276584e+07
TOF MULT
TOF tray

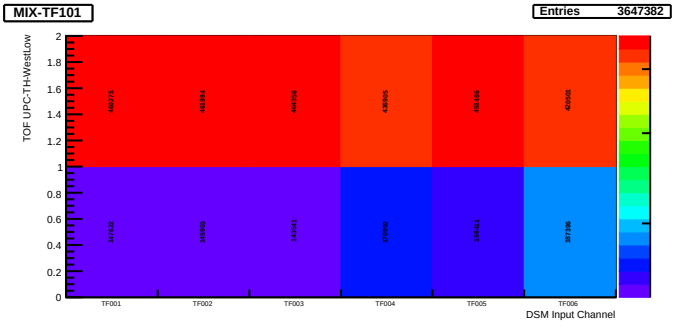

MIX-TF004
Entries 1.276584e+07
TOF MULT
TOF tray

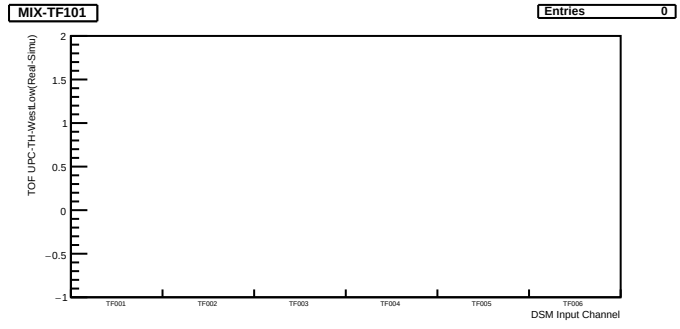

MIX-TF005
Entries 1.276584e+07
TOF MULT
TOF tray

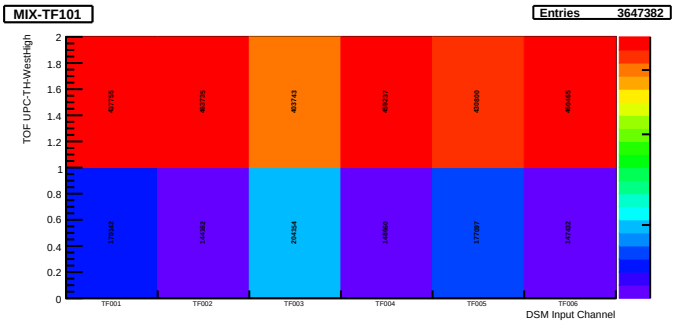

MIX-TF006
Entries 1.276584e+07
TOF MULT
TOF tray

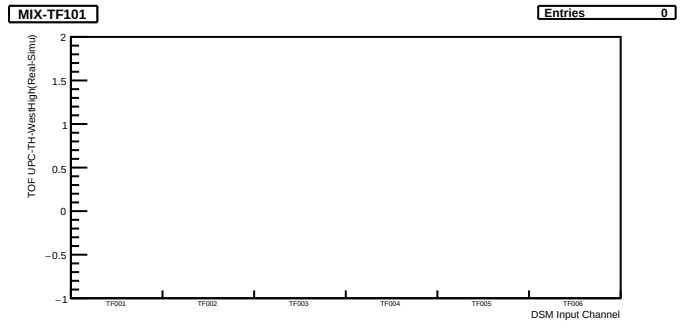

MIX-TF101
Entries 3647382
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

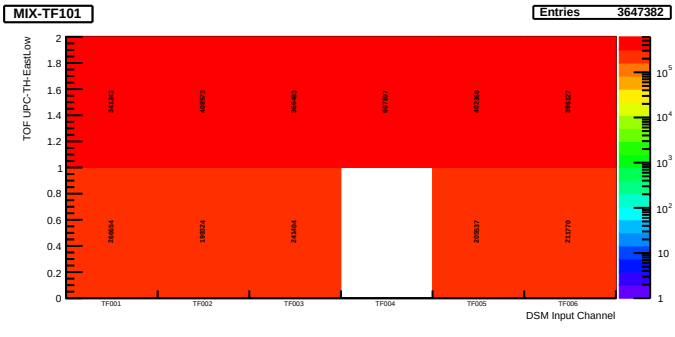

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

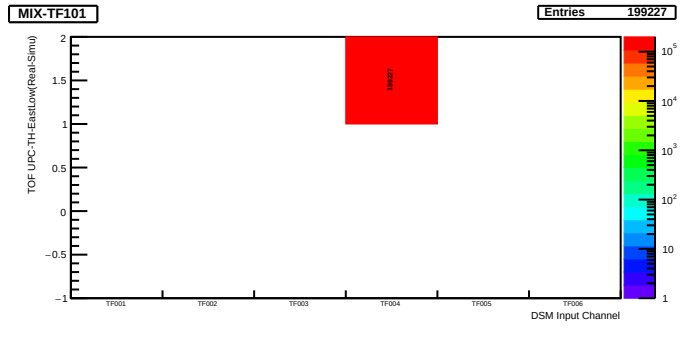

MIX-TF101
Entries 3647382
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

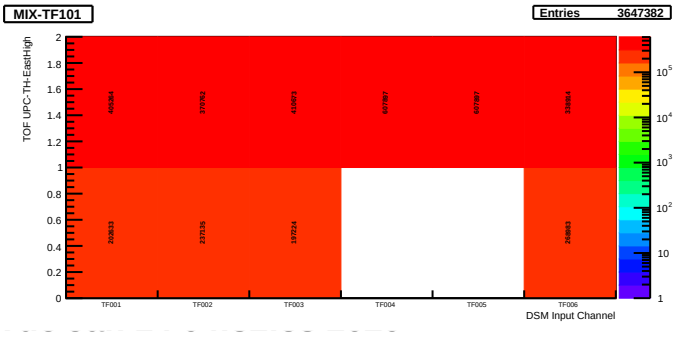

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

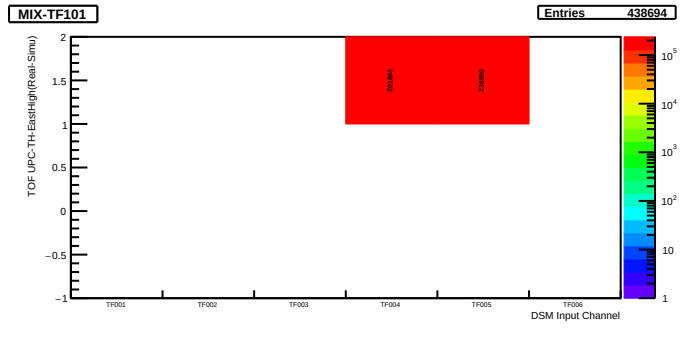

MIX-TF101
Entries 3647382
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

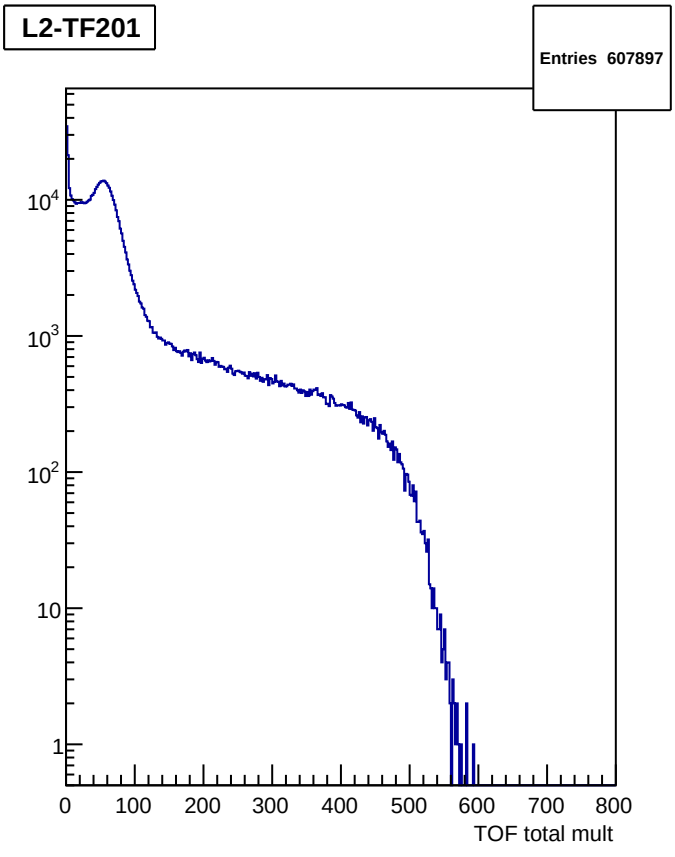

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

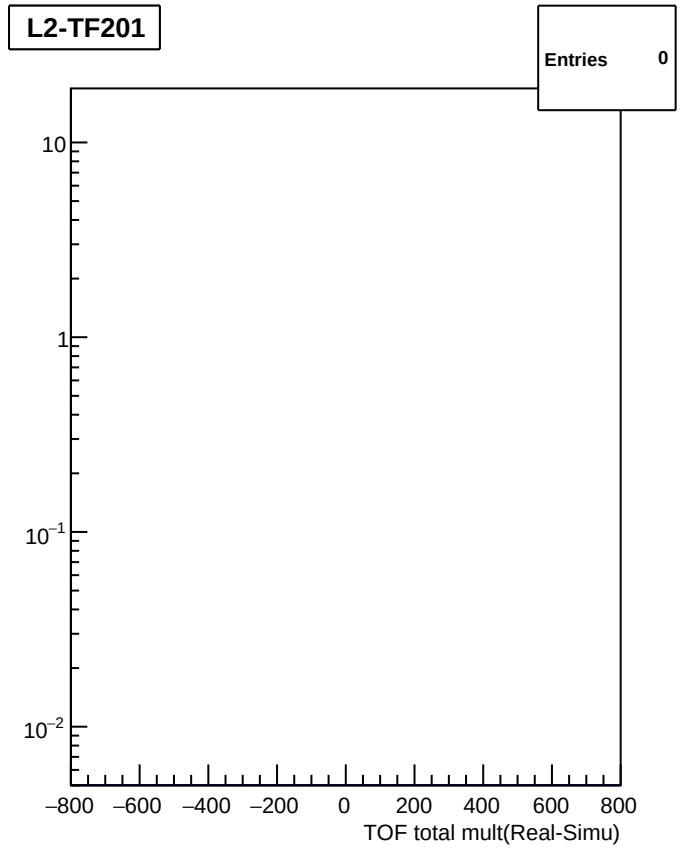

MIX-TF101
Entries 3647382
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

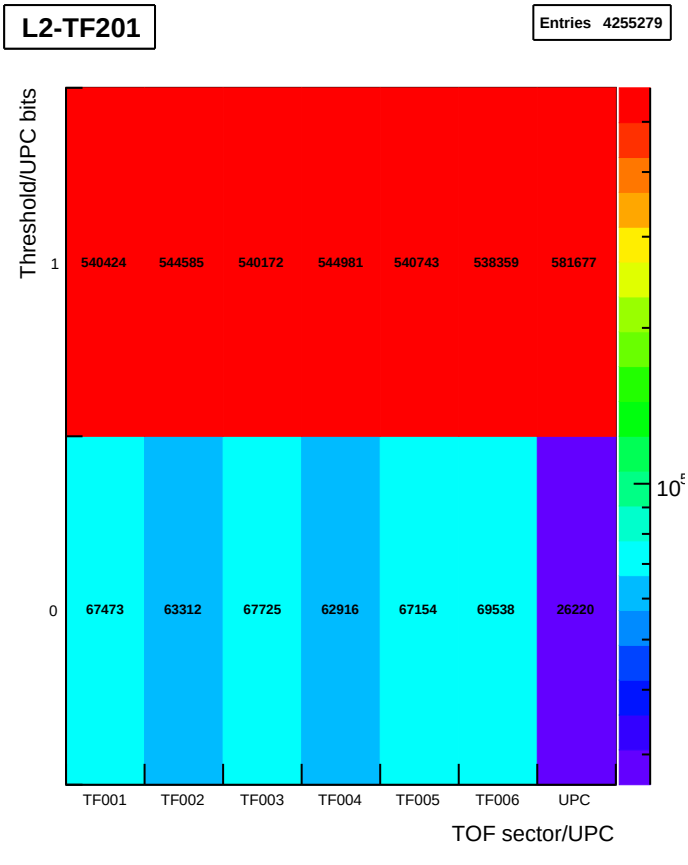

MIX-TF101
Entries 199227
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

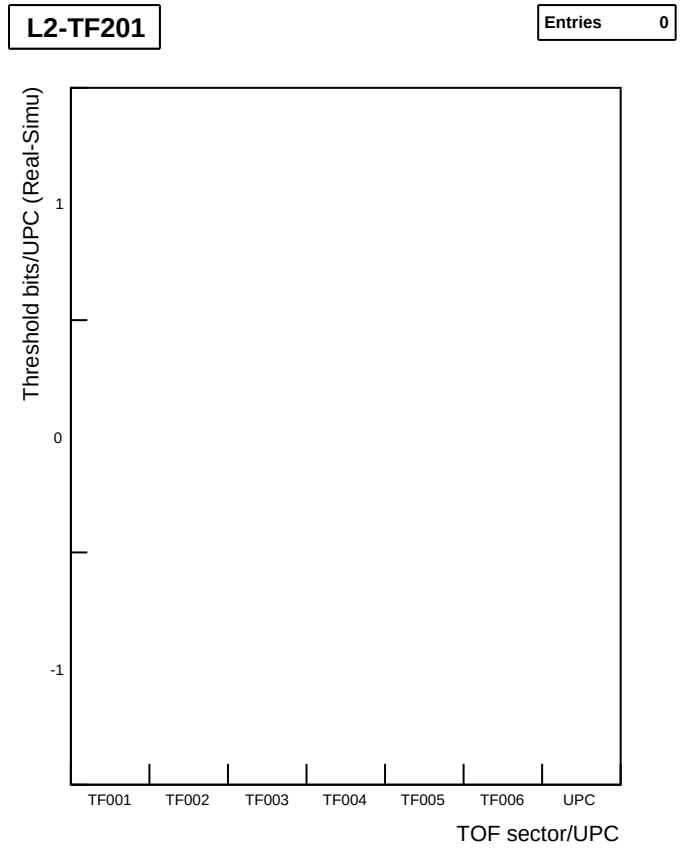

MIX-TF101
Entries 3647382
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

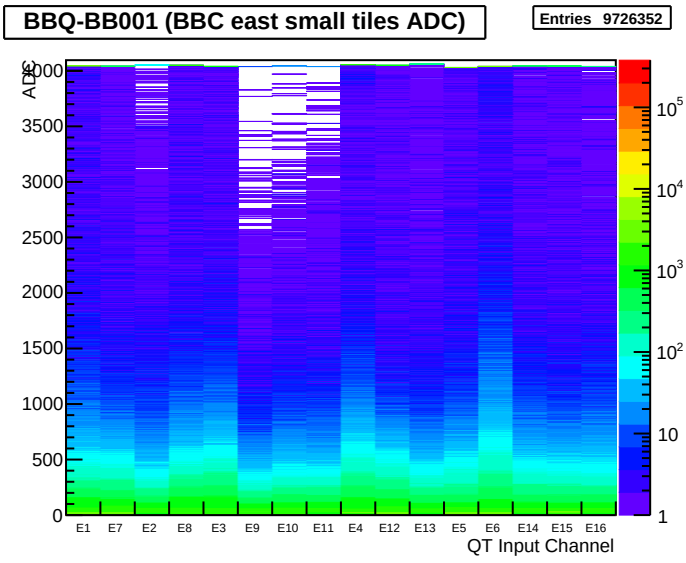

MIX-TF101
Entries 438694
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

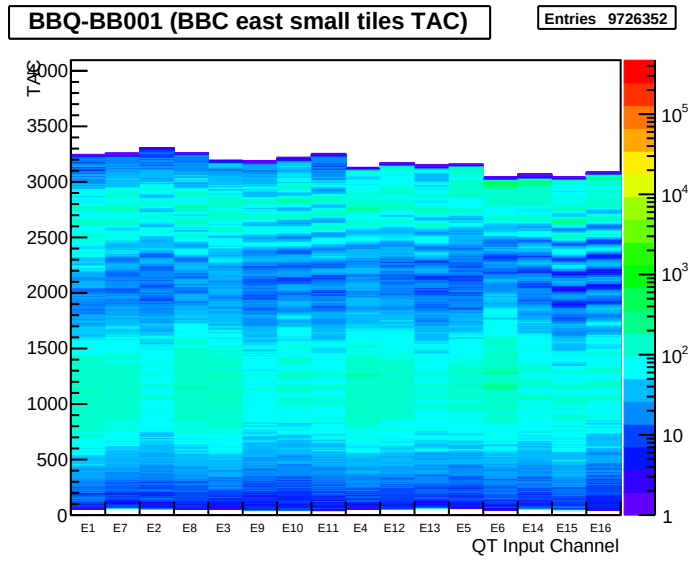

L2-TF201
Entries 607897
TOF total mult

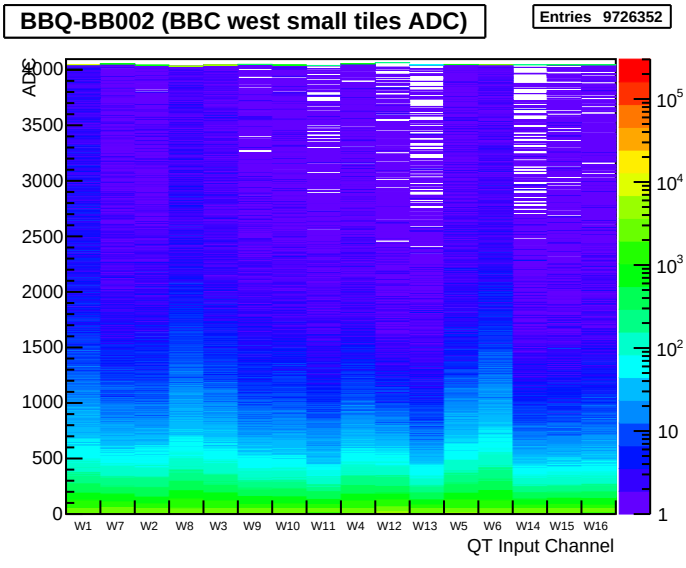

L2-TF201
Entries 0
TOF total mult(Real-Simu)

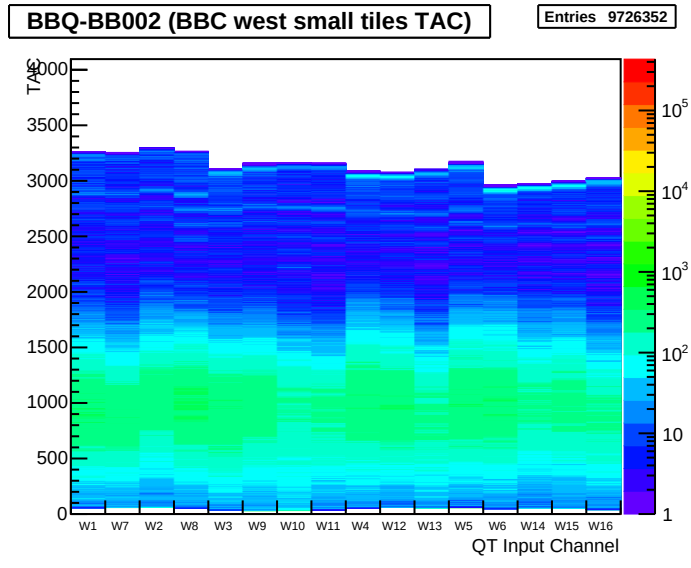

L2-TF201
Entries 4255279
Threshold/UPC bits
540424
544585
540172
544981
540743
538359
581677
67473
63312
67725
62916
67154
69538
26220
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

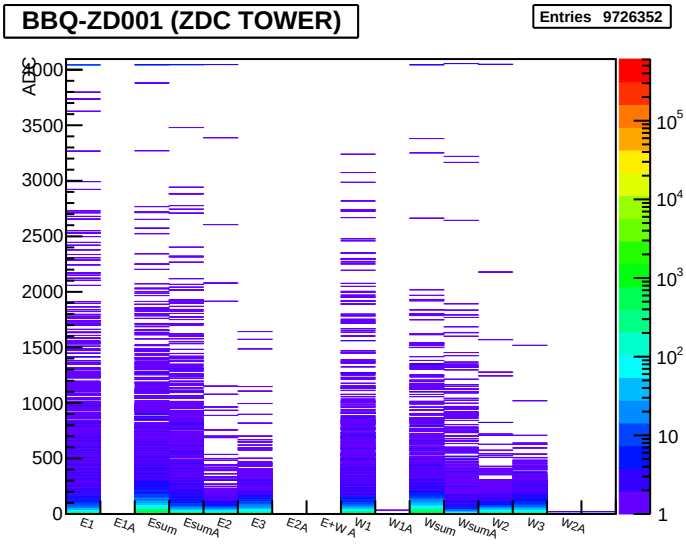

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

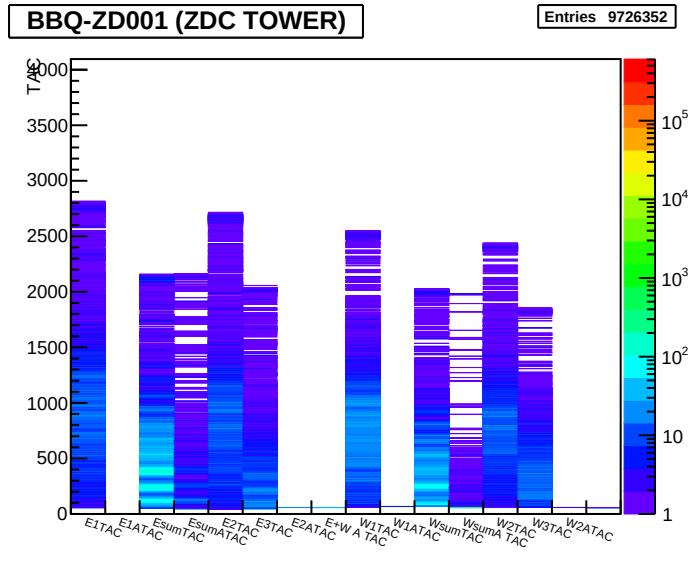

BBQ-BB001 (BBC east small tiles ADC)
Entries 9726352
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

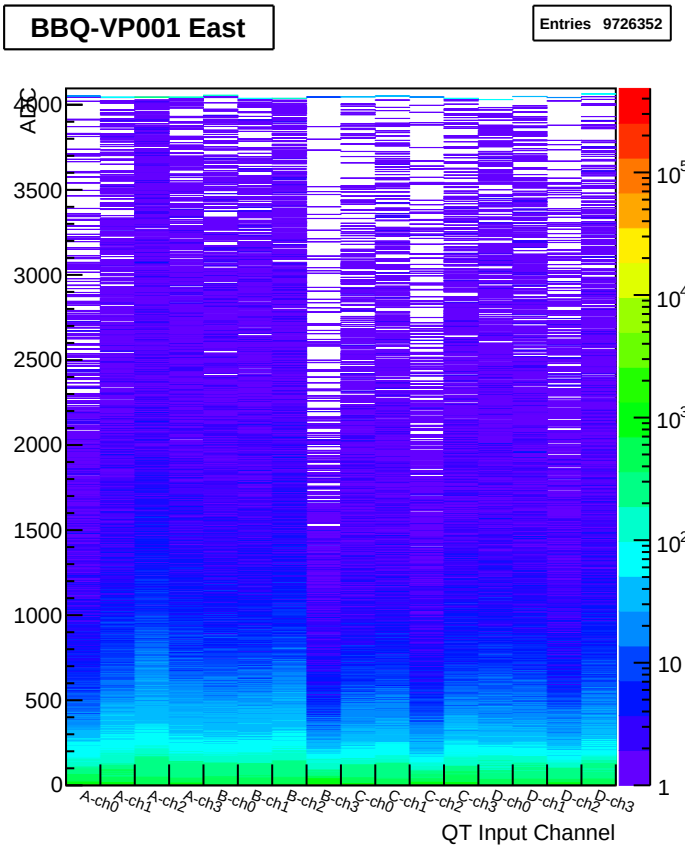

BBQ-BB001 (BBC east small tiles TAC)
Entries 9726352
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

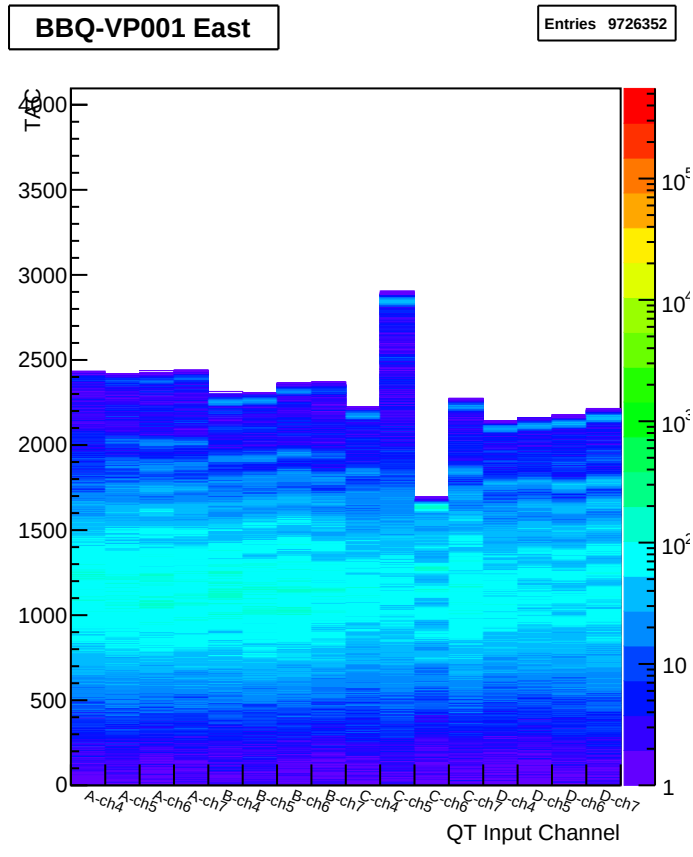

BBQ-BB002 (BBC west small tiles ADC)
Entries 9726352
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

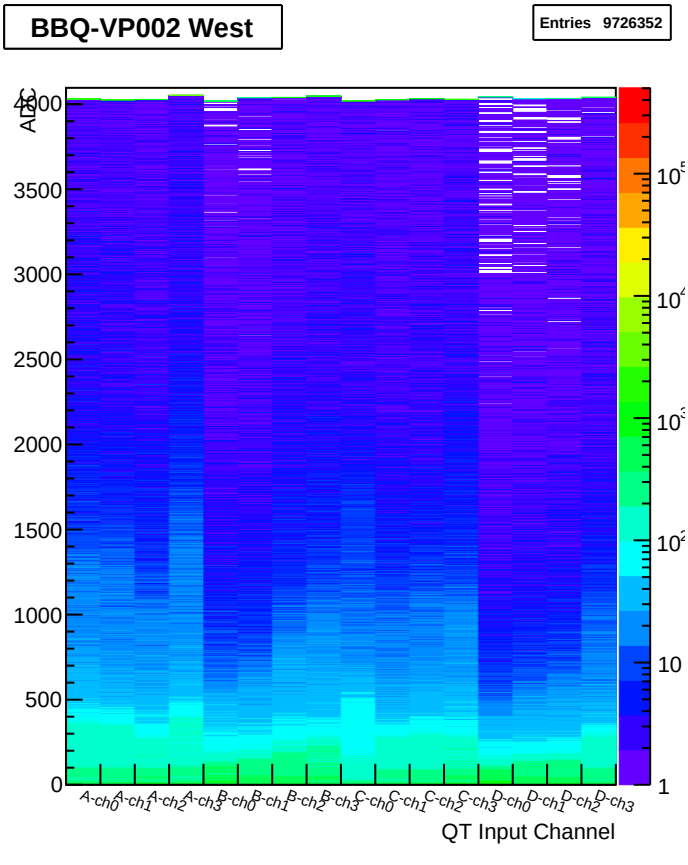

BBQ-BB002 (BBC west small tiles TAC)
Entries 9726352
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

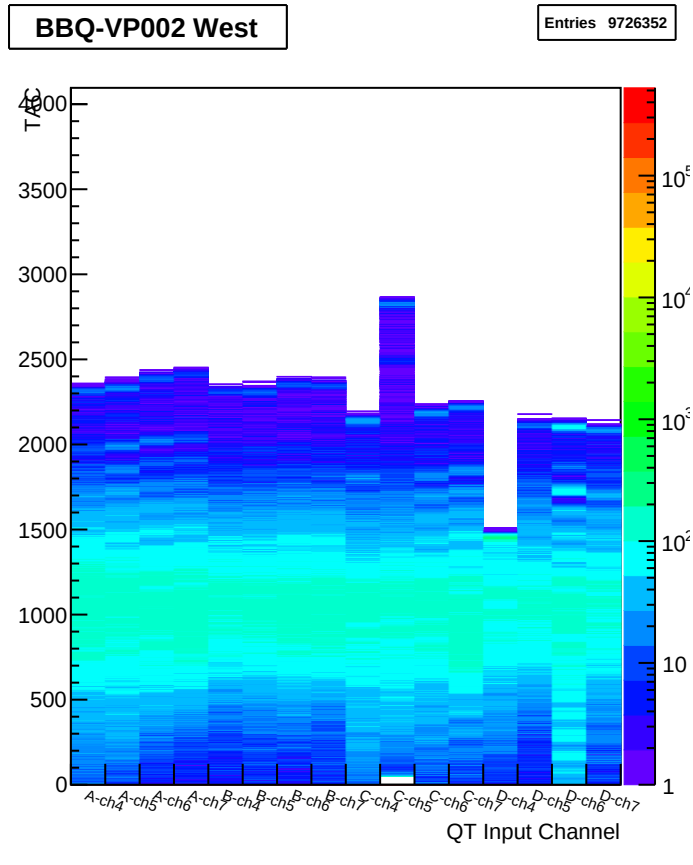

BBQ-ZD001 (ZDC TOWER)
Entries 9726352
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

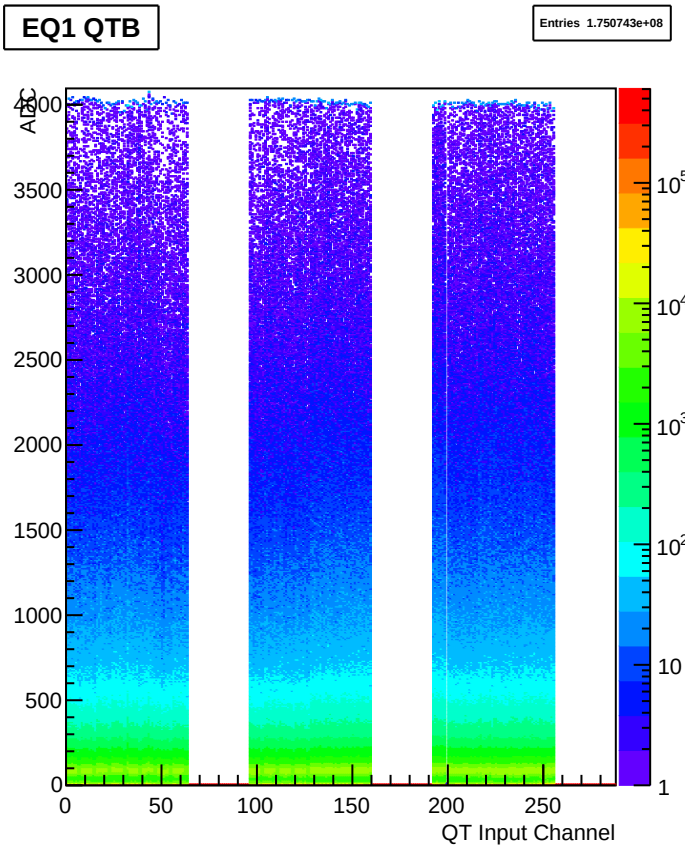

BBQ-ZD001 (ZDC TOWER)
Entries 9726352
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

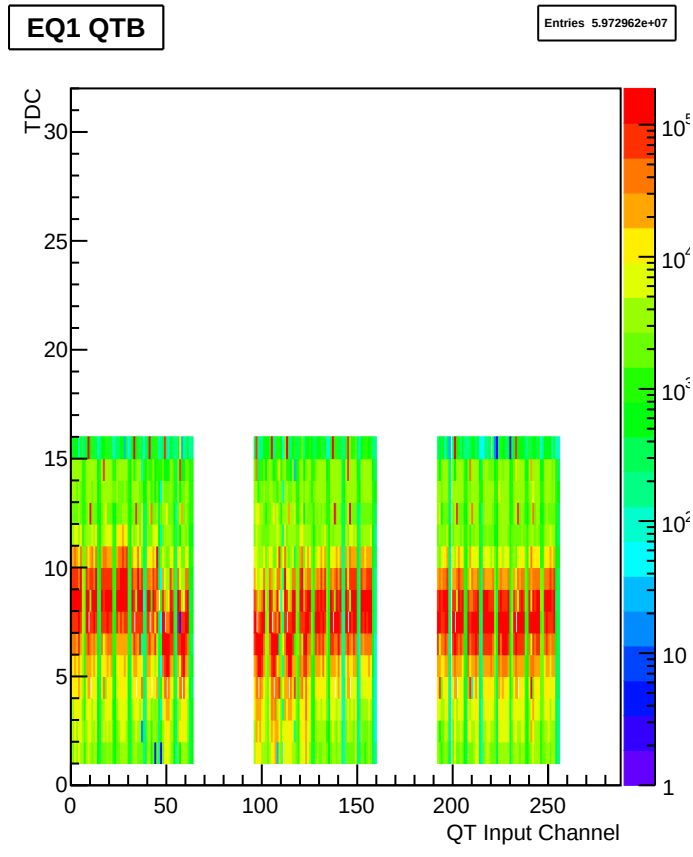

BBQ-VP001 East
Entries 9726352
ADC
QT Input Channel

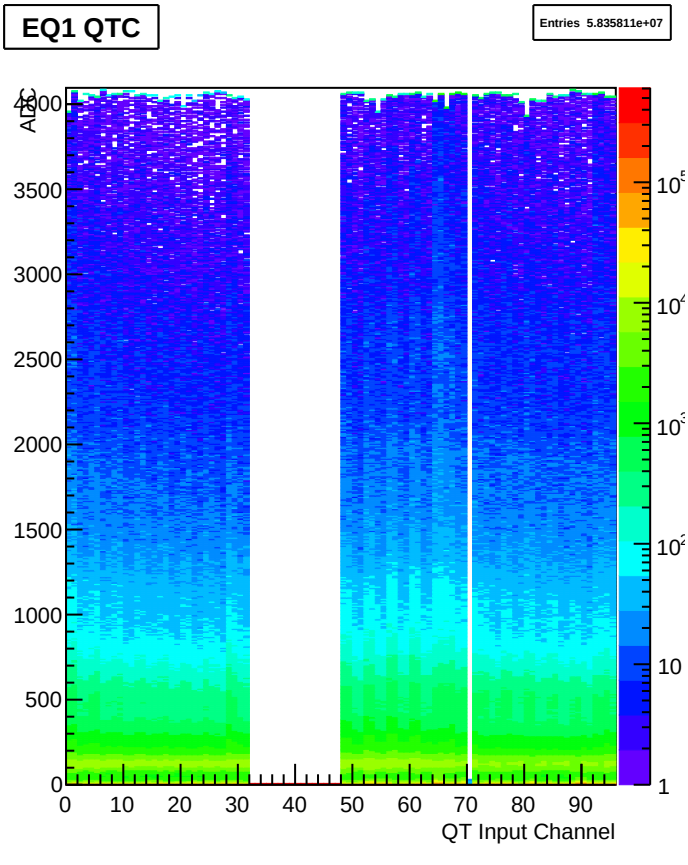

BBQ-VP001 East
Entries 9726352
ADC
QT Input Channel

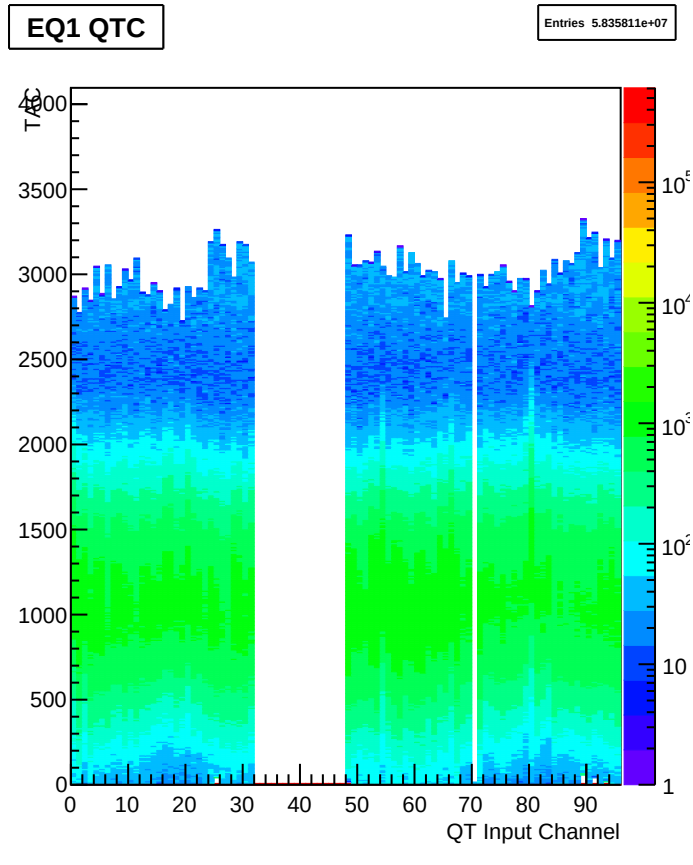

BBQ-VP002 West
Entries 9726352
ADC
QT Input Channel

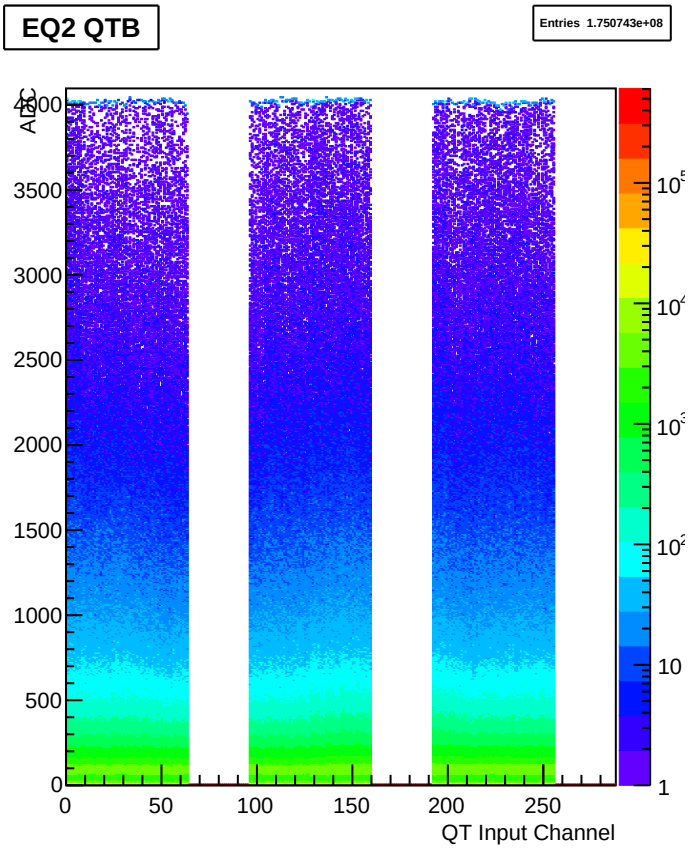

BBQ-VP002 West
Entries 9726352
ADC
QT Input Channel

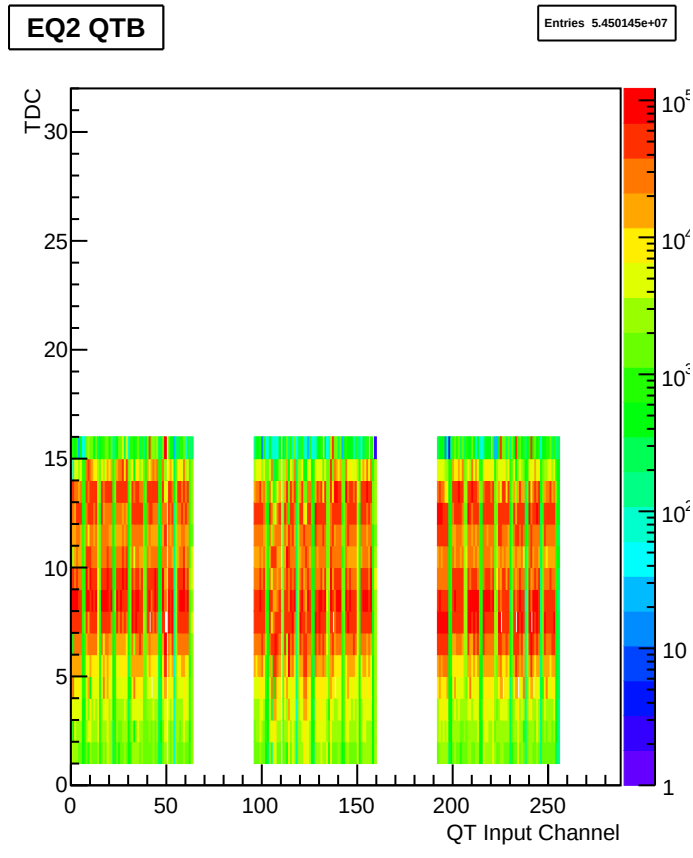

EQ1 QTB
Entries 1.750743e+08
ADC
QT Input Channel

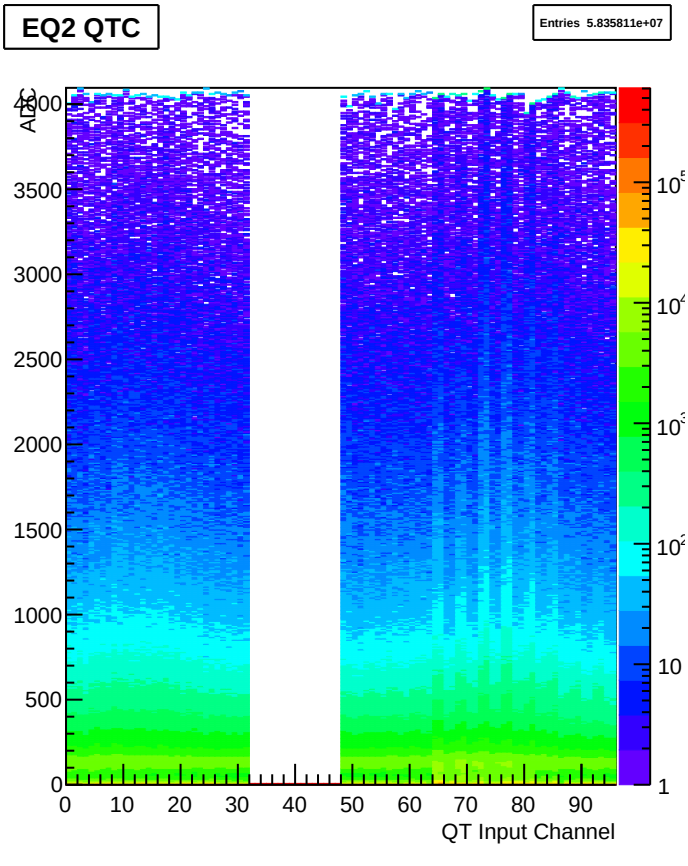

EQ1 QTB
Entries 5.972962e+07
TDC
QT Input Channel

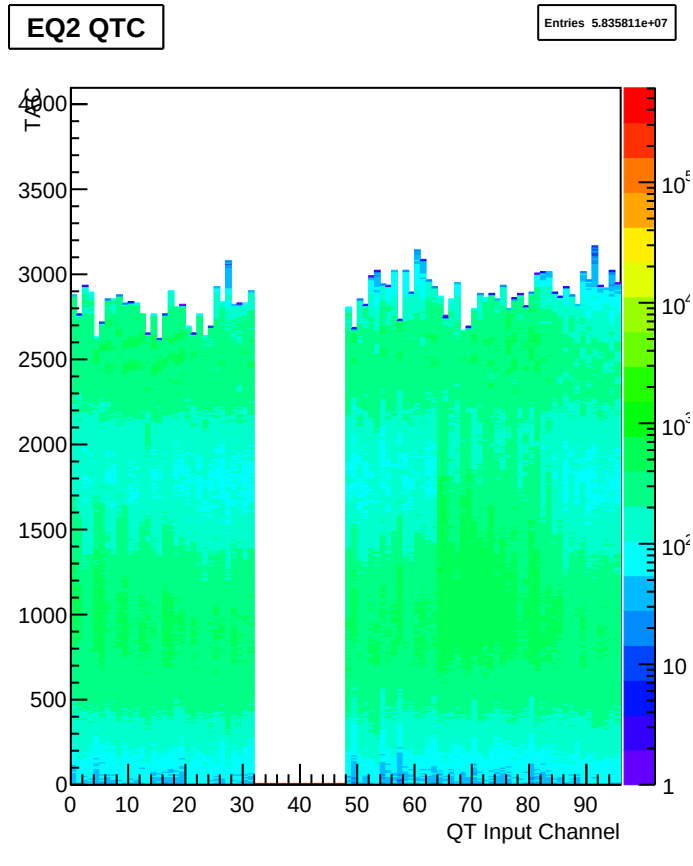

EQ1 QTC
Entries 5.835811e+07
ADC
QT Input Channel

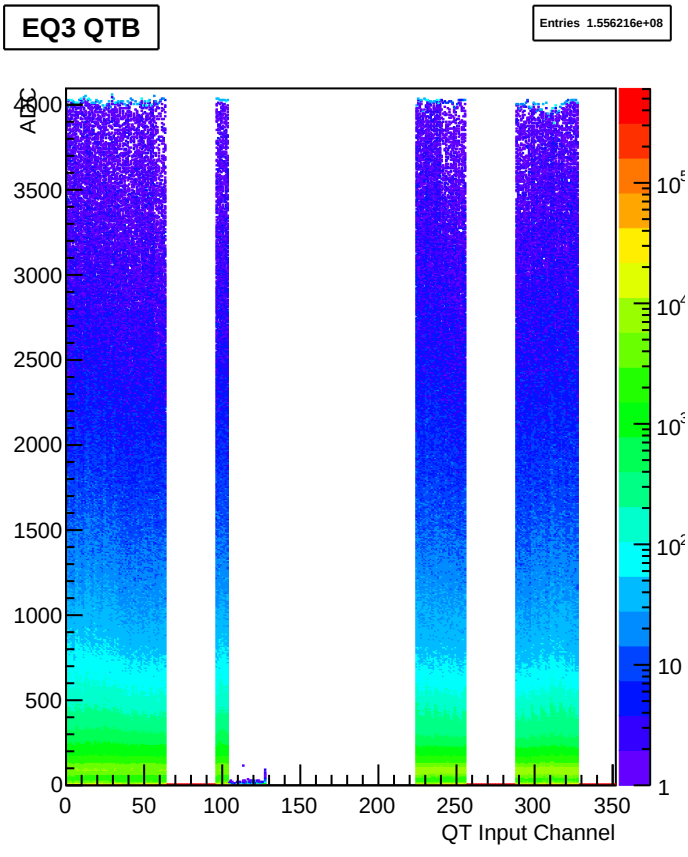

EQ1 QTC
Entries 5.835811e+07
TADC
QT Input Channel

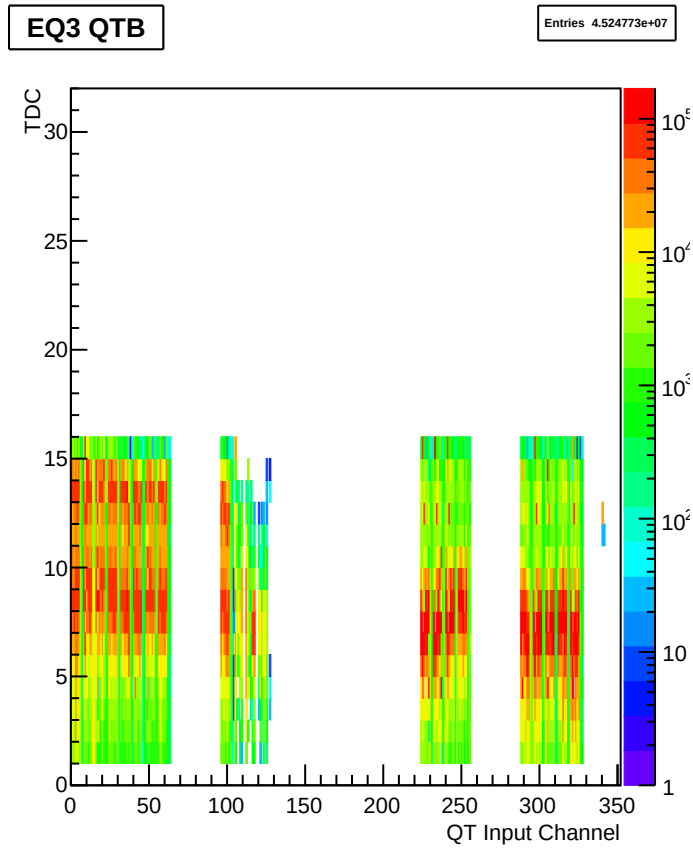

EQ2 QTB
Entries 1.750743e+08
ADC
QT Input Channel

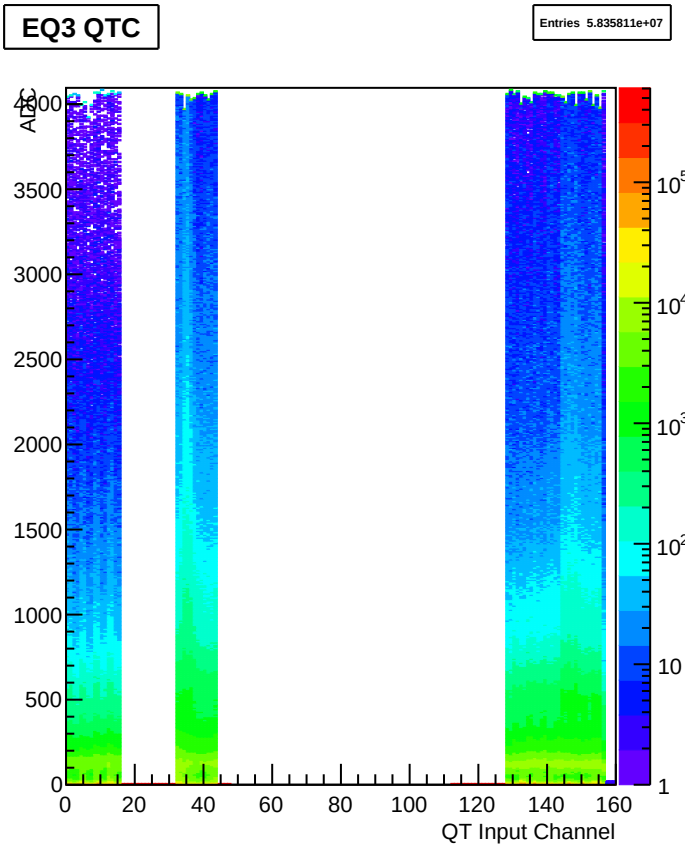

EQ2 QTB
Entries 5.450145e+07
TDC
QT Input Channel

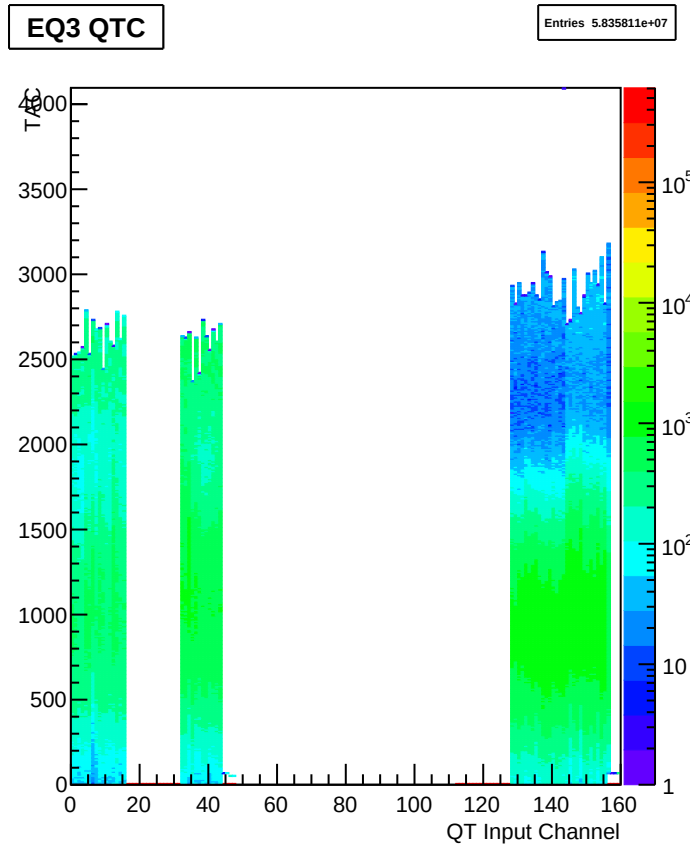

EQ2 QTC
Entries 5.835811e+07
ADC
QT Input Channel

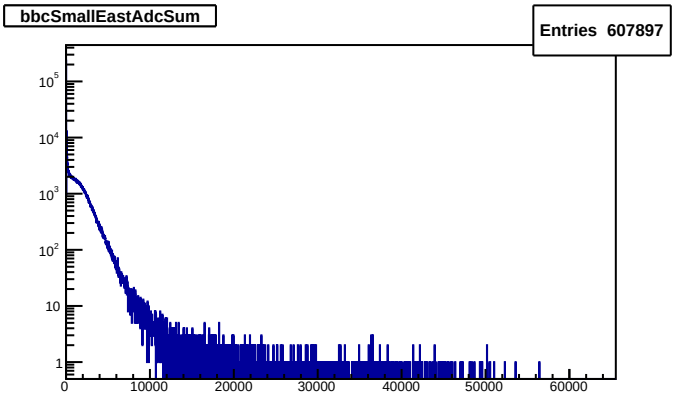

EQ2 QTC
Entries 5.835811e+07
TADC
QT Input Channel

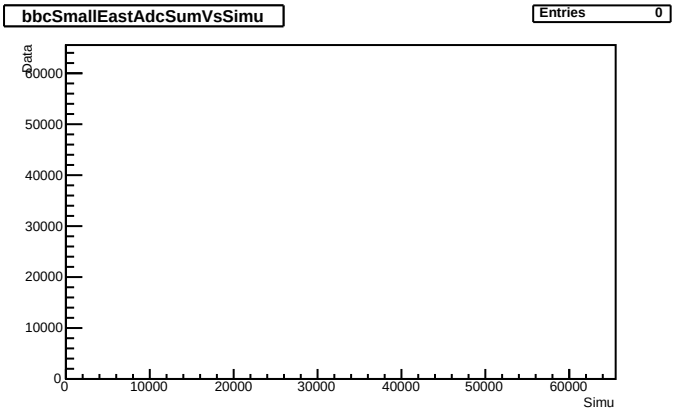

EQ3 QTB
Entries 1.556216e+08
ADC
QT Input Channel

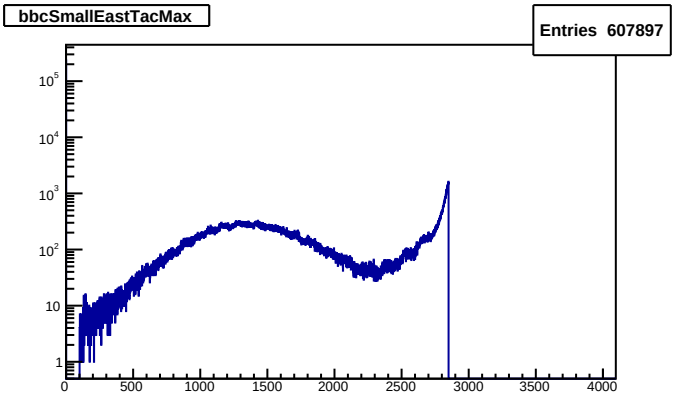

EQ3 QTB
Entries 4.524773e+07
TDC
QT Input Channel

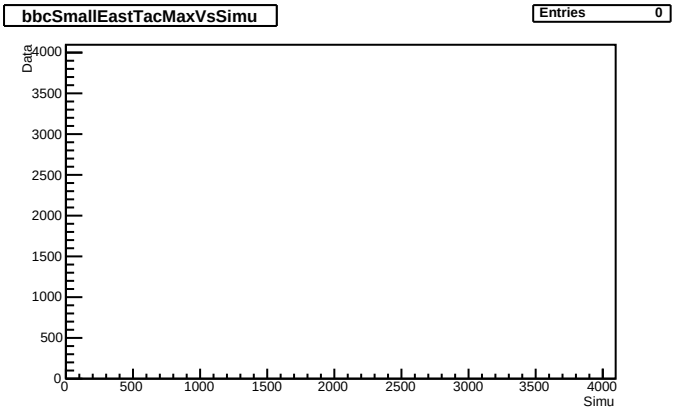

EQ3 QTC
Entries 5.835811e+07
ADC
QT Input Channel


EQ3 QTC
Entries 5.835811e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 607897


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 607897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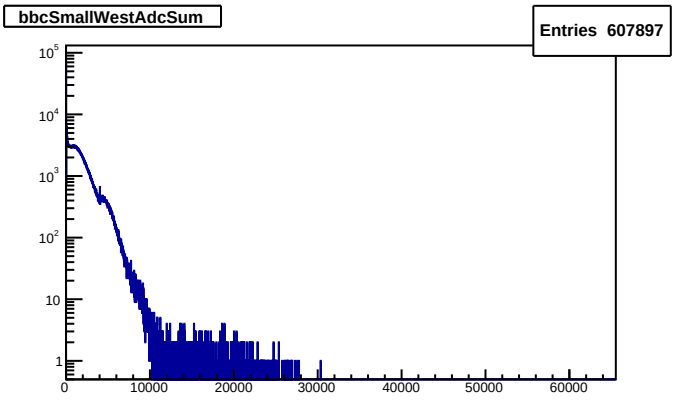
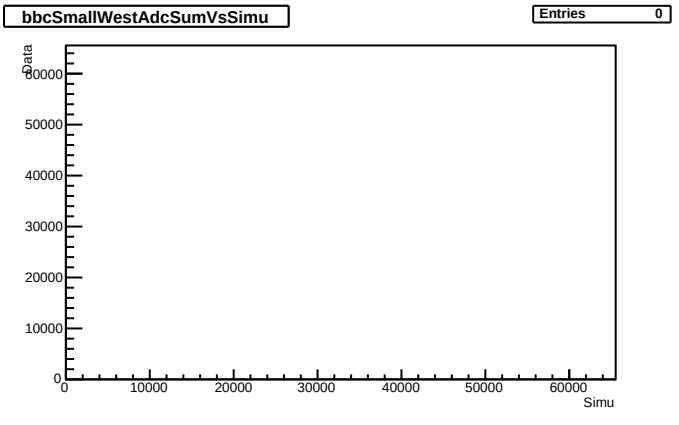
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 607897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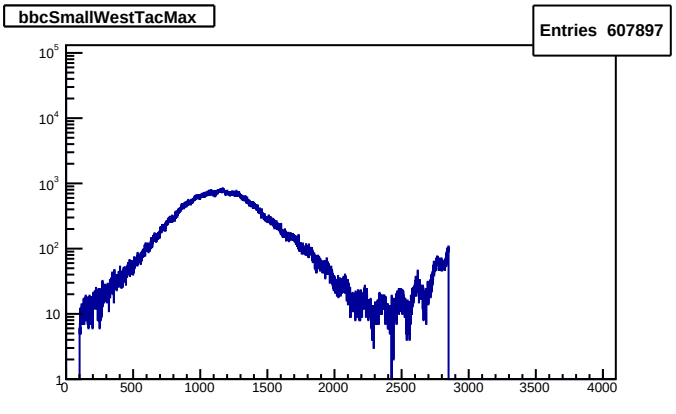
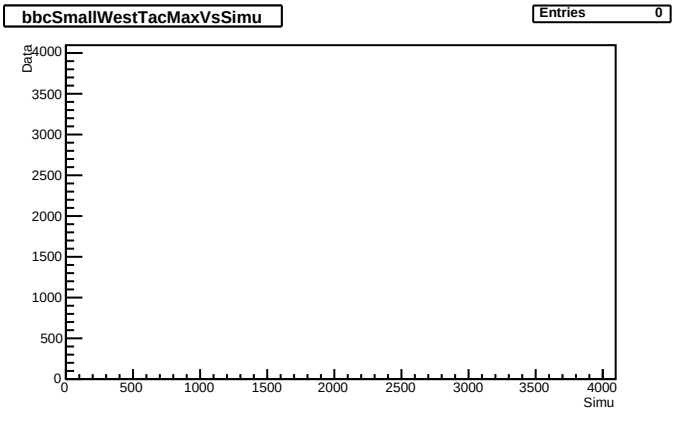
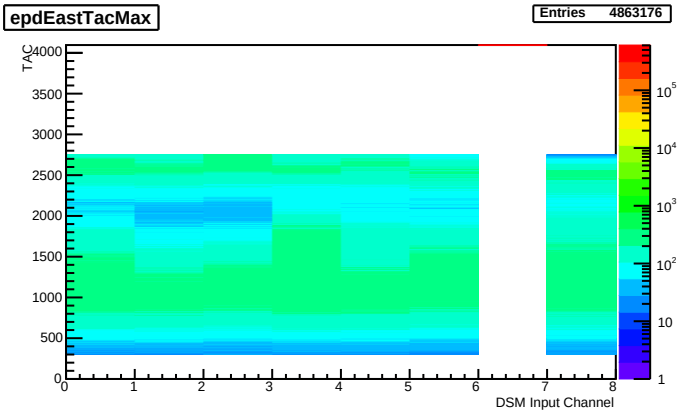
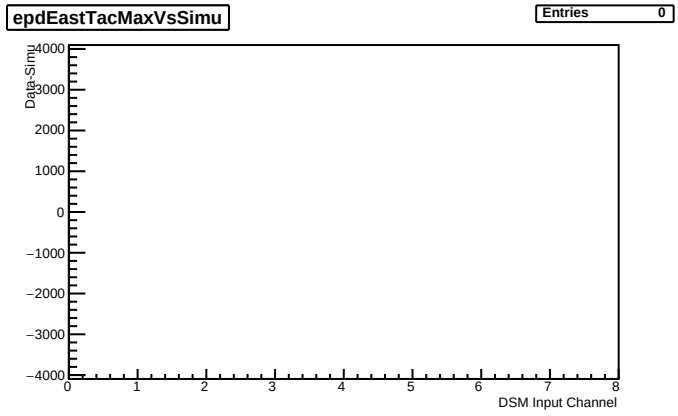
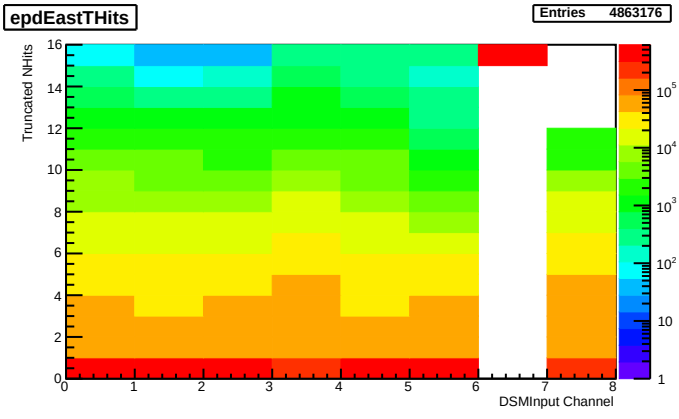
Entries 0
Data
Simu

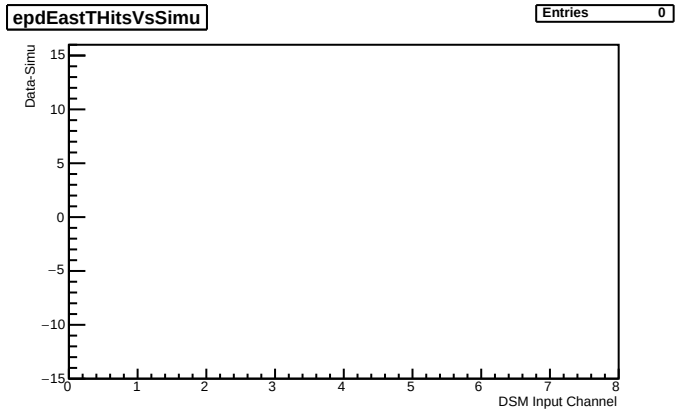

bbcSmallWestTacMax
Entries 607897


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 4863176
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4863176
Truncated NHits
DSMInput Channel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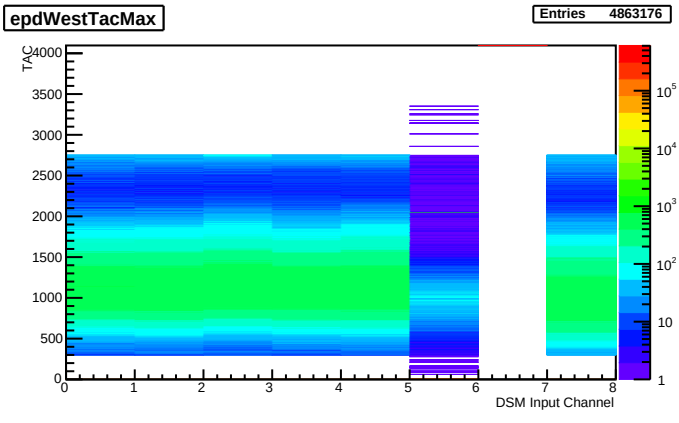
DSM Input Channel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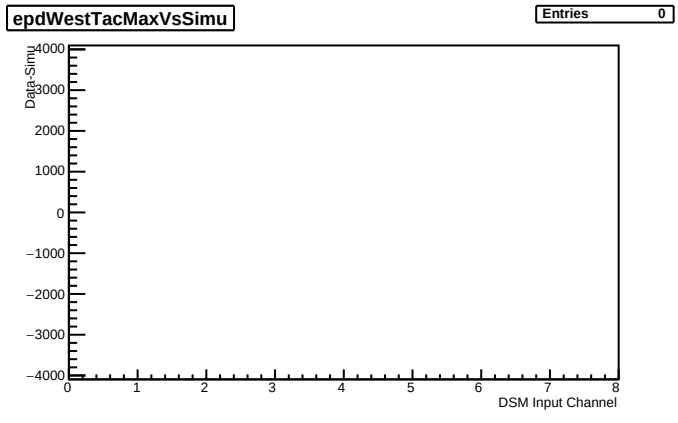
Entries 4863176
TAC
DSM Input Channel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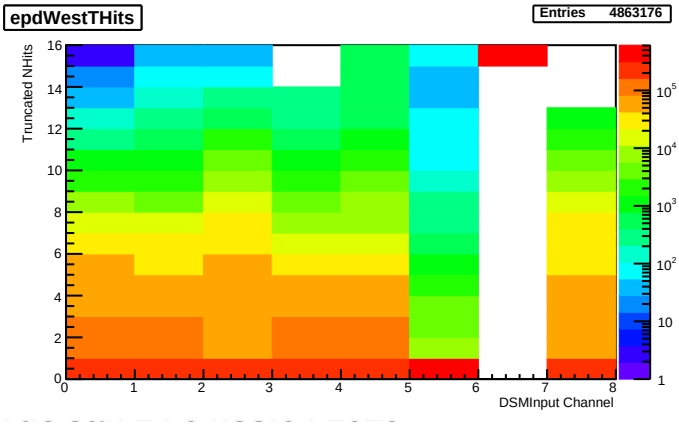
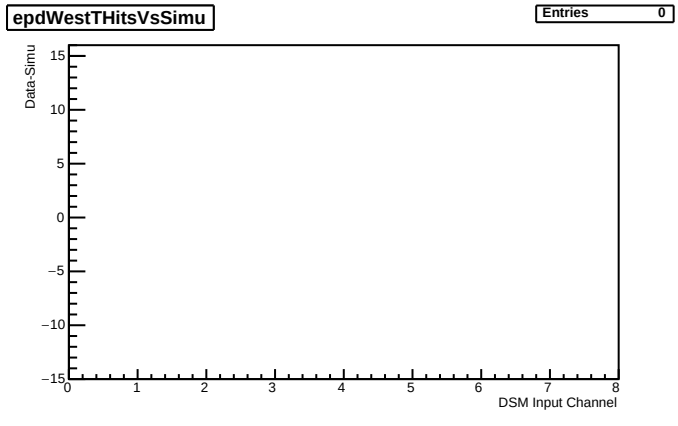
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 4863176
Truncated NHits
DSMInput Channel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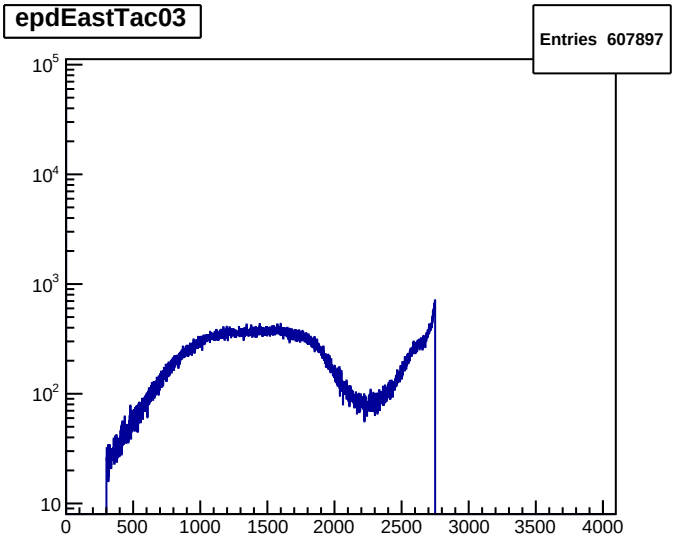
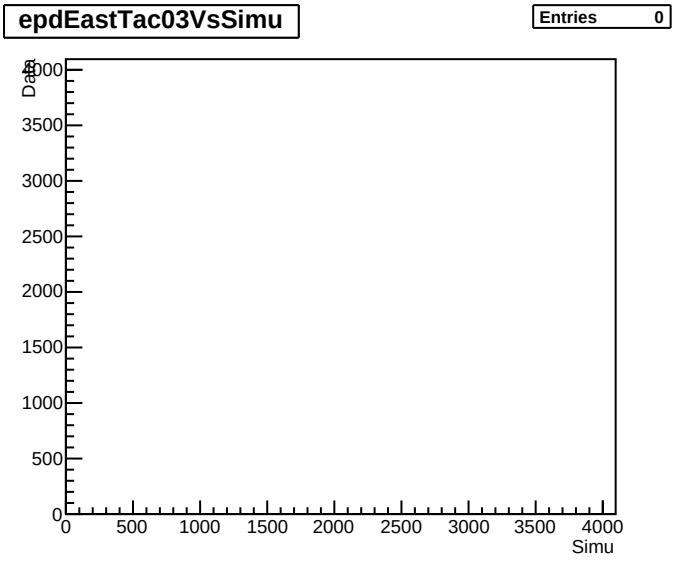
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 607897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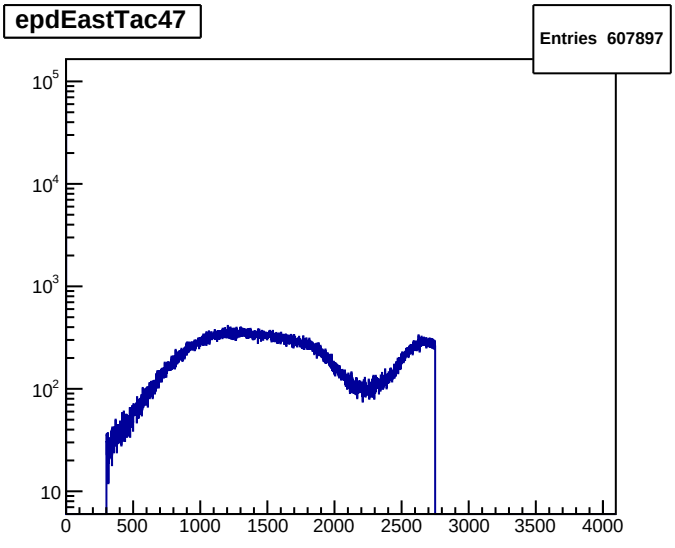
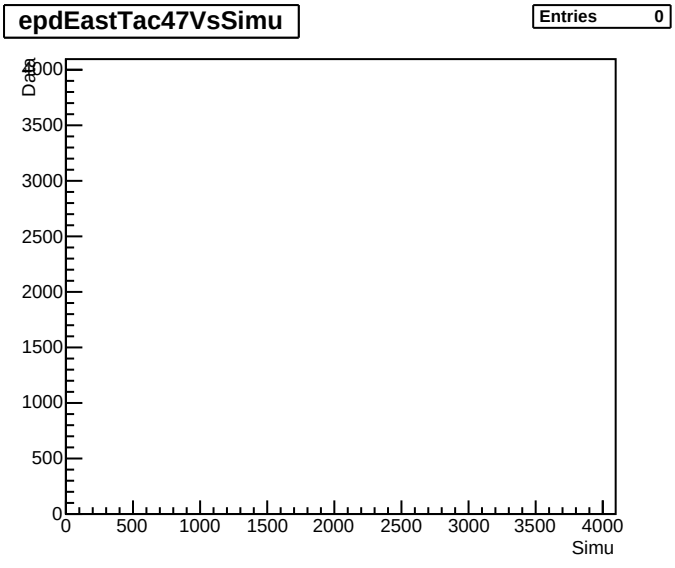
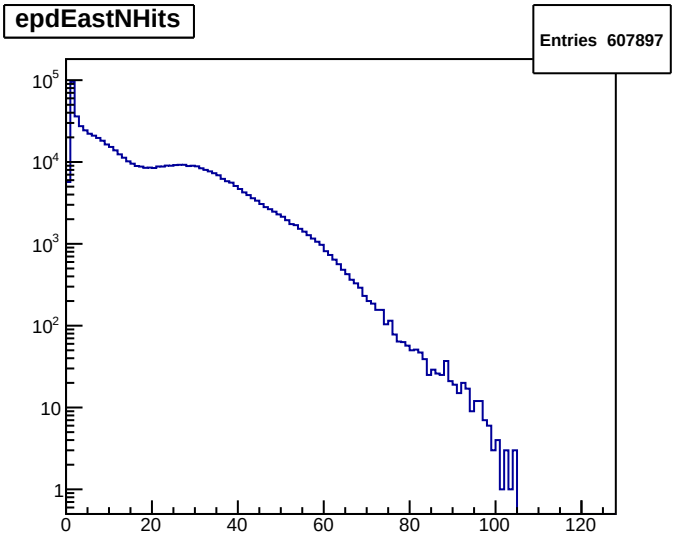
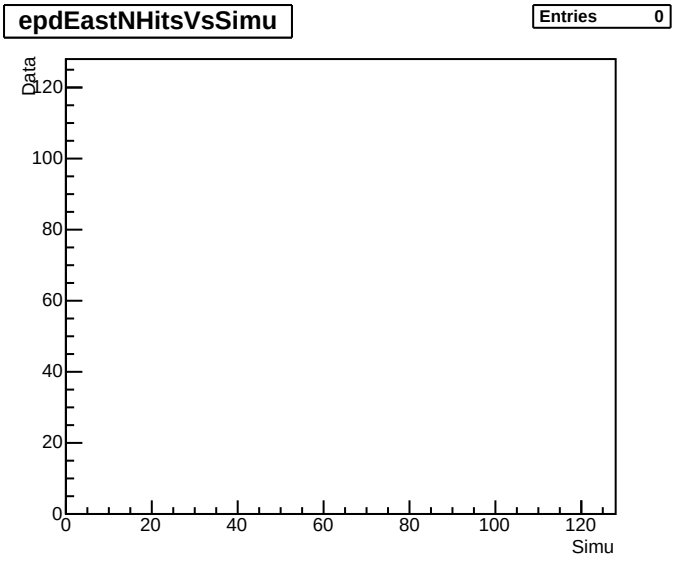
Entries 0
Data
Simu


epdEastTac47
Entries 607897


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 607897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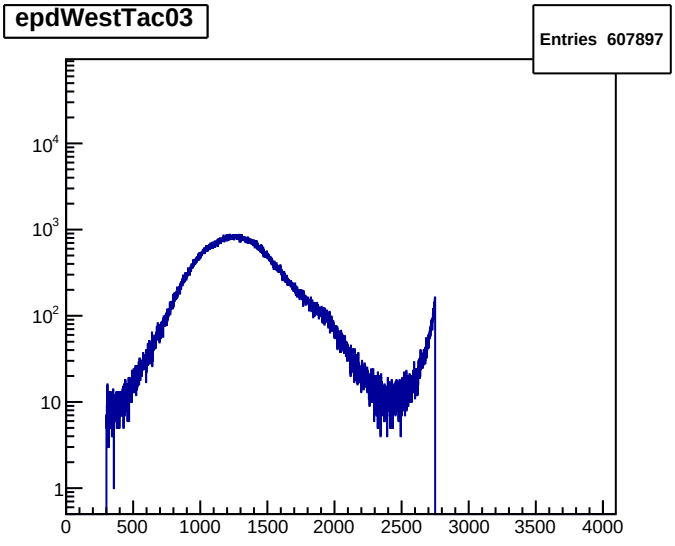
Entries 0
Data
Simu


epdWestTac03
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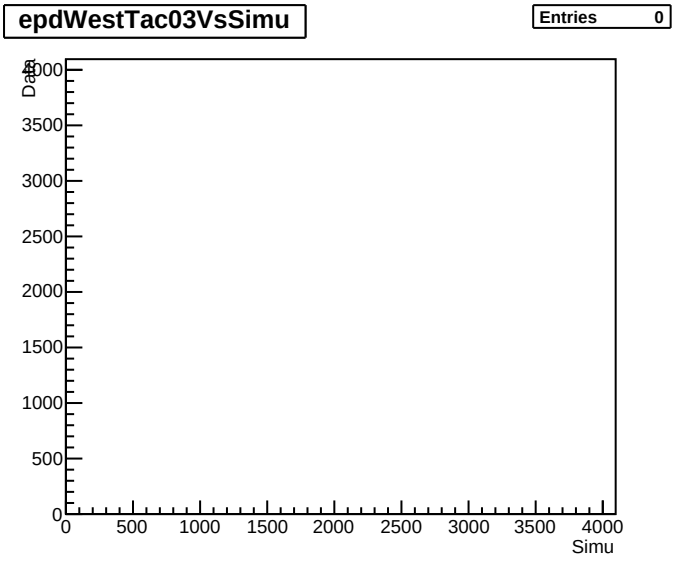
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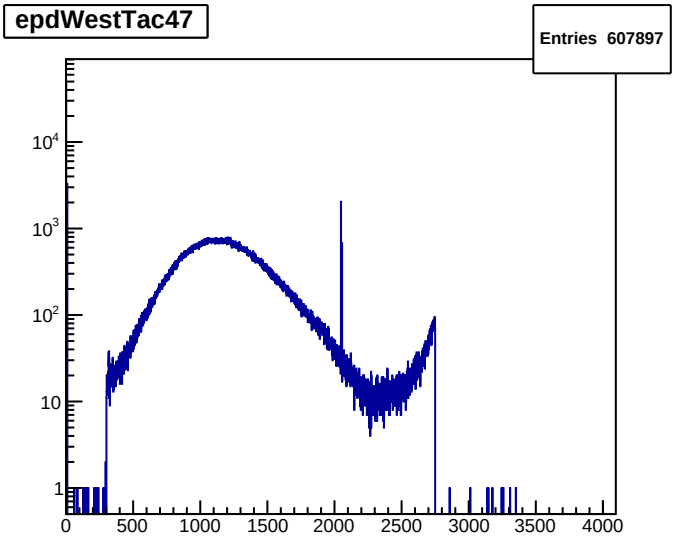
Entries 0
Data
Simu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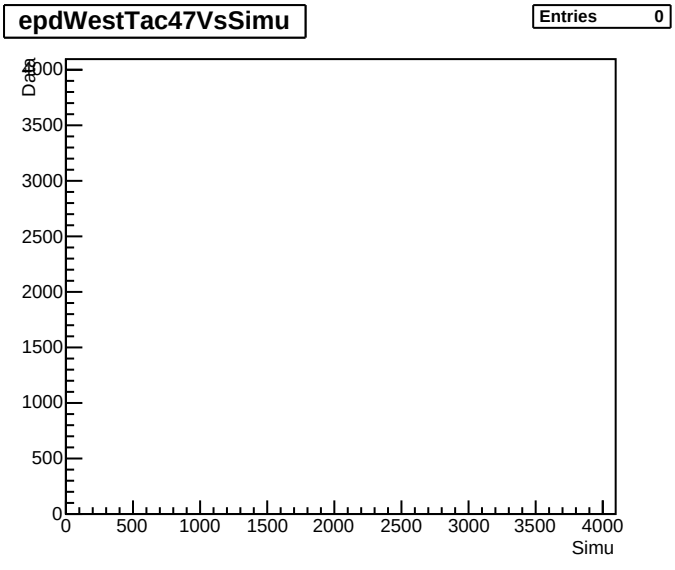
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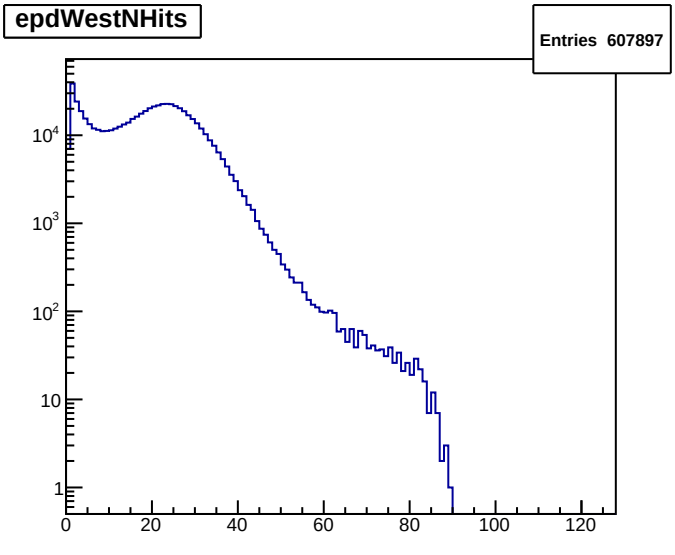
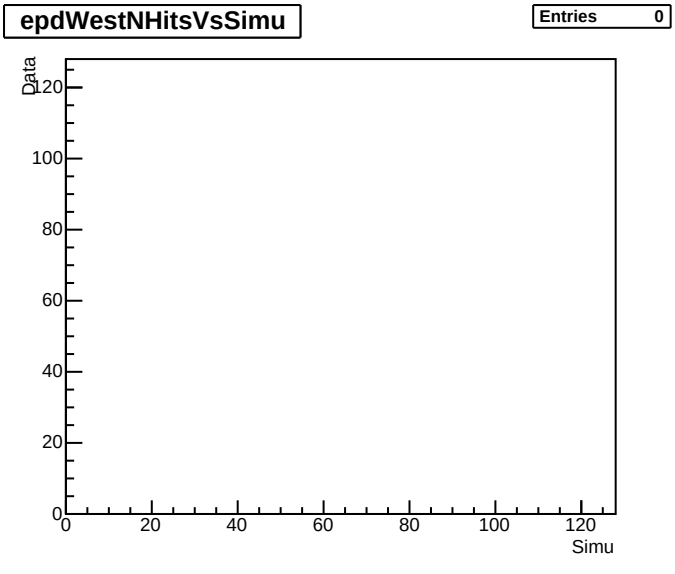
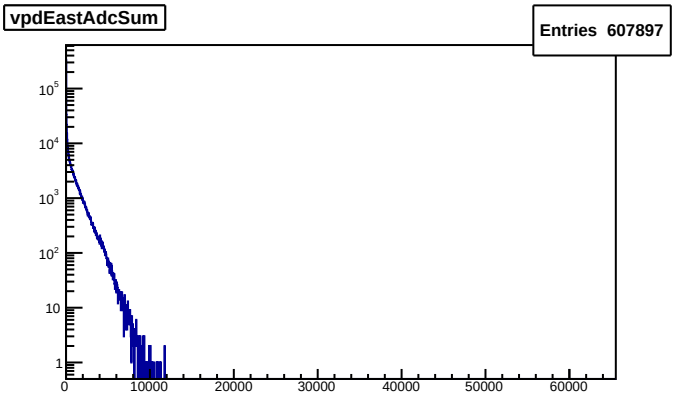
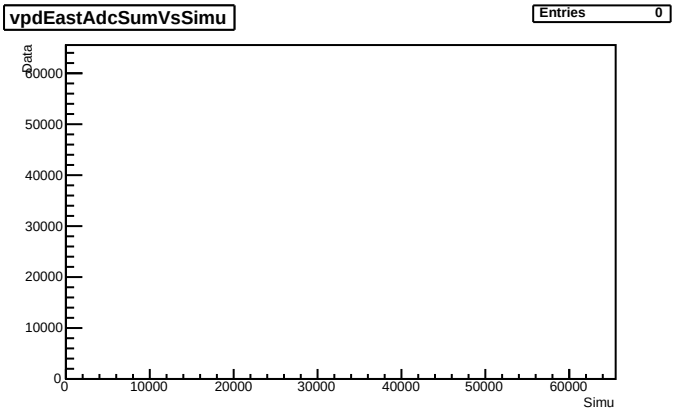
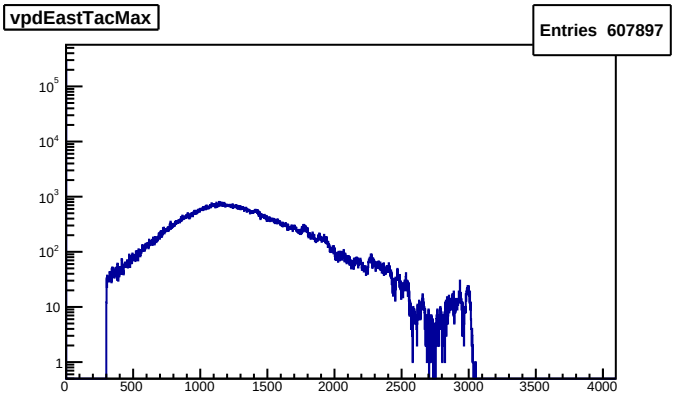
Entries 0
Data
Simu

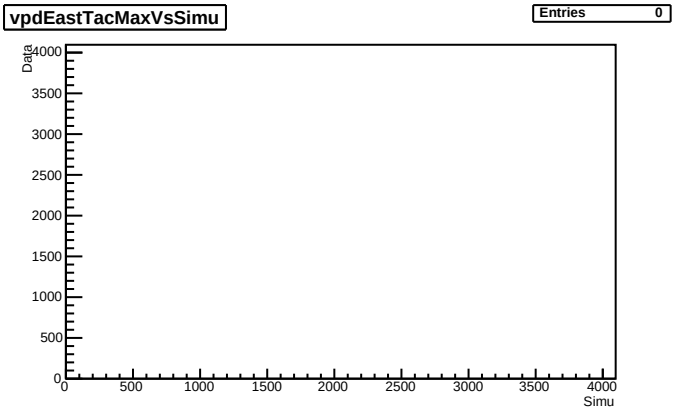

epdWestNHits
Entries 607897

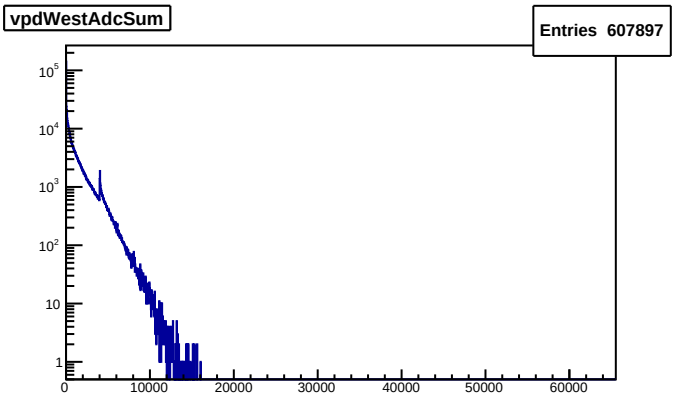

epdWestNHitsVsSimu
Entries 0
Data
Simu

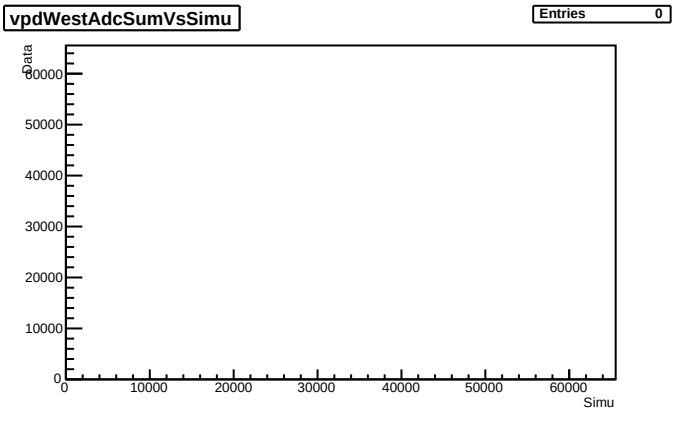

vpdEastAdcSum
Entries 607897


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 607897


vpdEastTacMaxVsSimu
Entries 0
Data
Simu


vpdWestAdcSum
Entries 607897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Entries 0
Data
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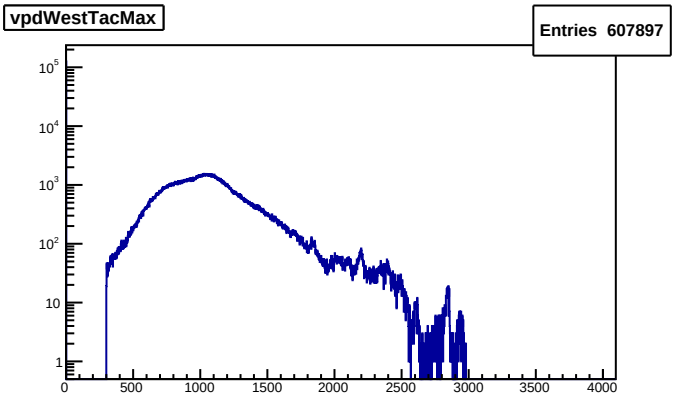
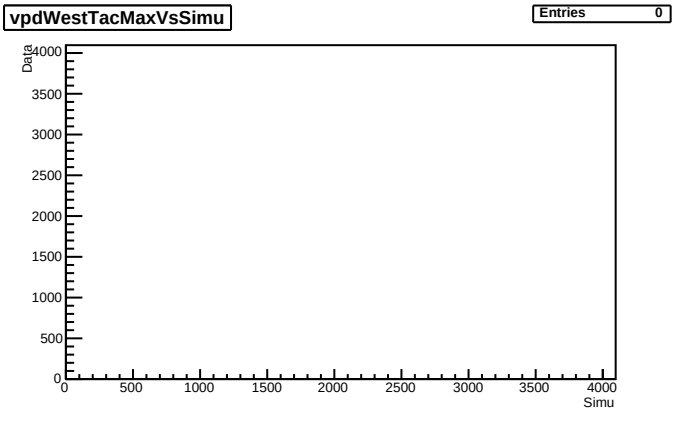
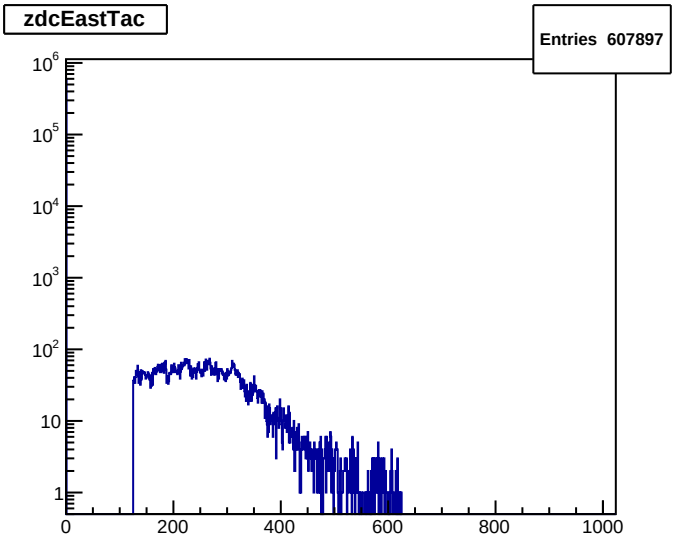
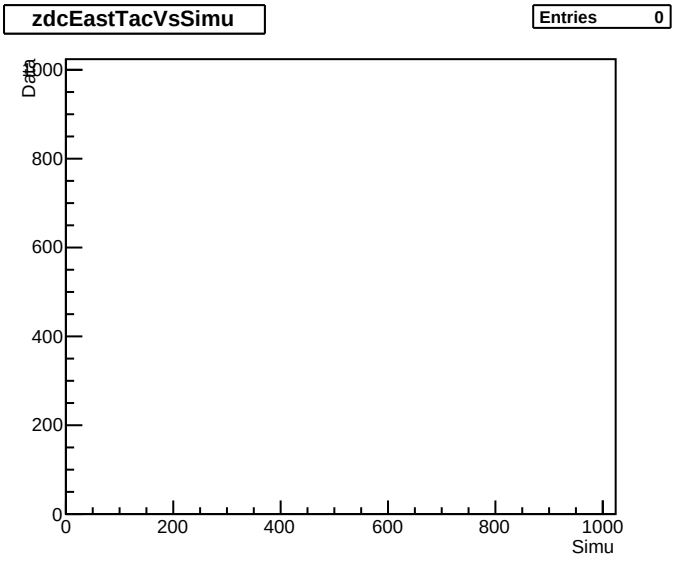
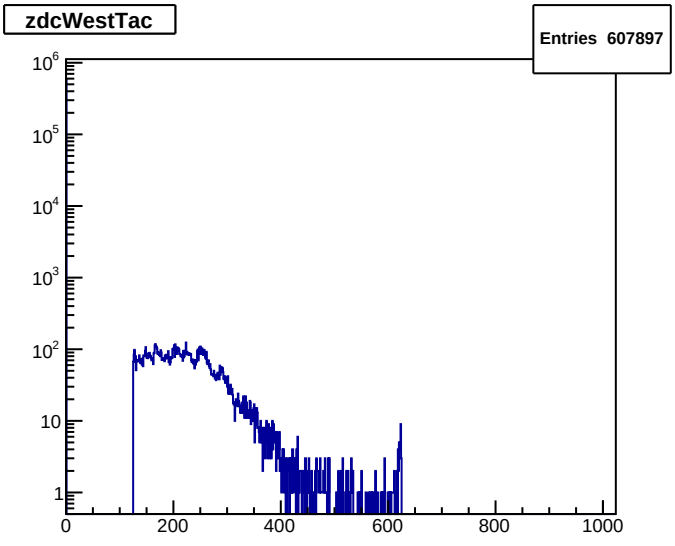
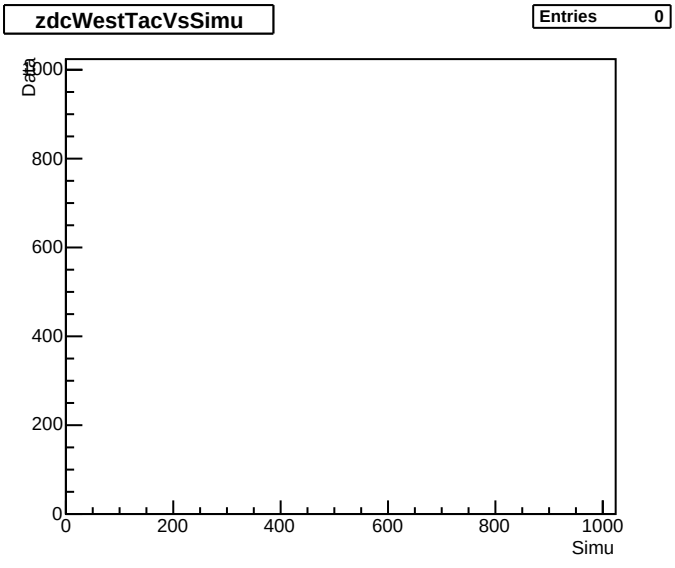

vpdWestTacMax
Entries 607897

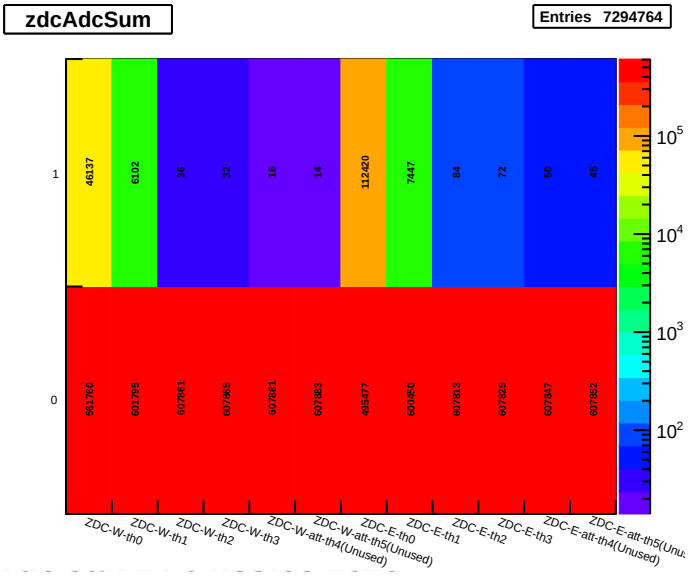

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

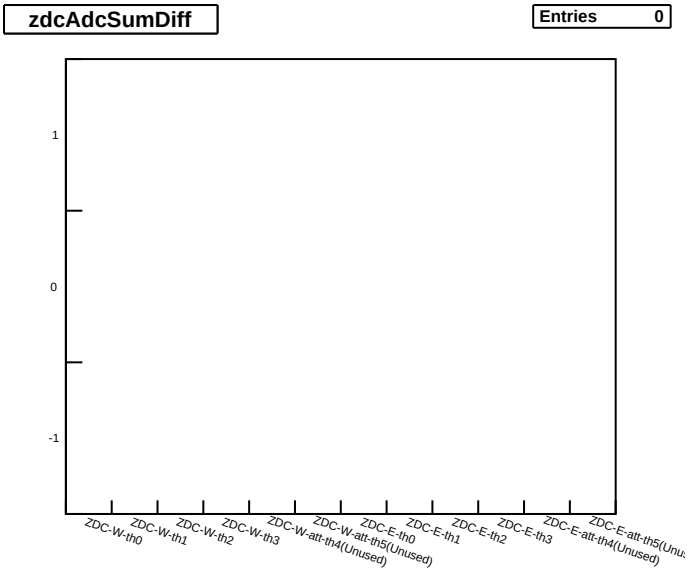

zdcEastTac
Entries 607897

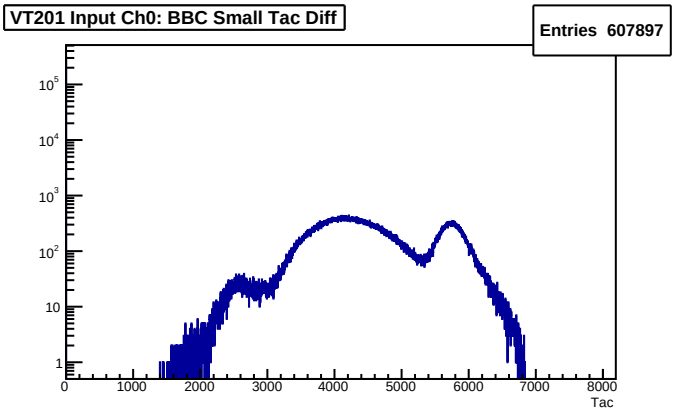

zdcEastTacVsSimu
Entries 0
Data
Simu

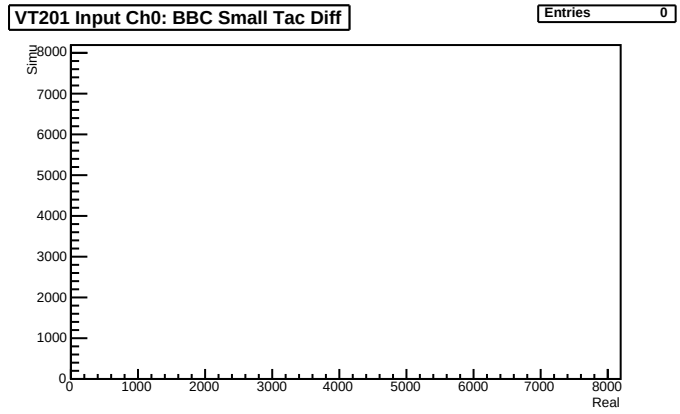

zdcWestTac
Entries 607897

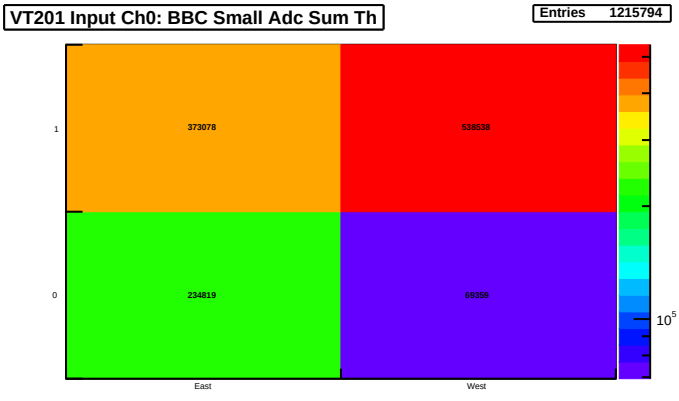

zdcWestTacVsSimu
Entries 0
Data
Simu

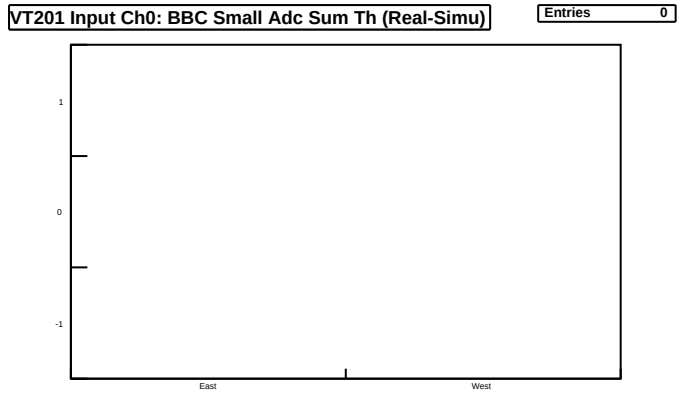

zdcAdcSum
Entries 7294764
46137
6102
36
32
16
14
112420
7447
84
72
50
45
561760
601795
607861
607865
607881
607883
495477
600450
607813
607825
607847
607852
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

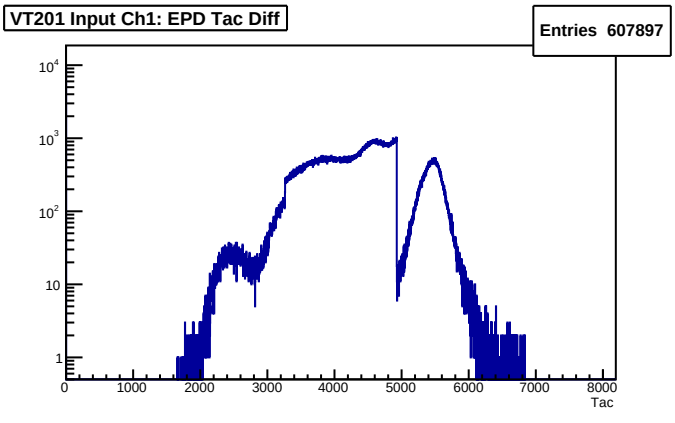

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

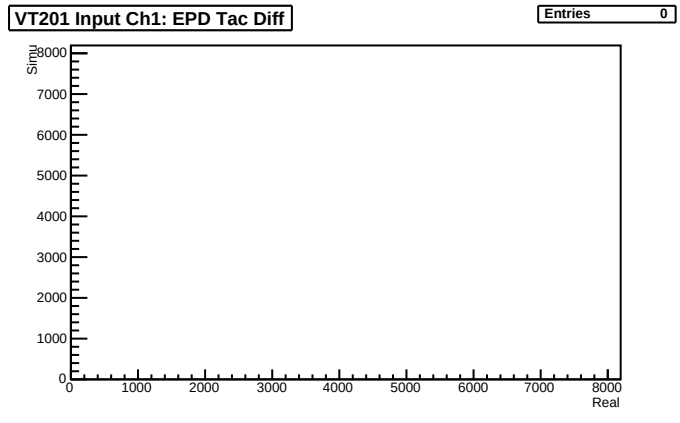

VT201 Input Ch0: BBC Small Tac Diff
Entries 607897
Tac

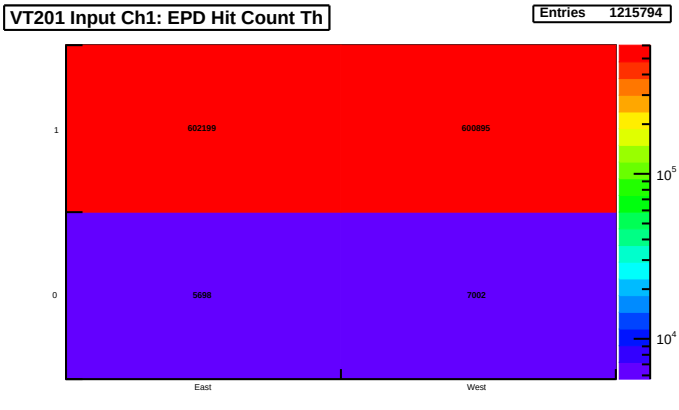

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

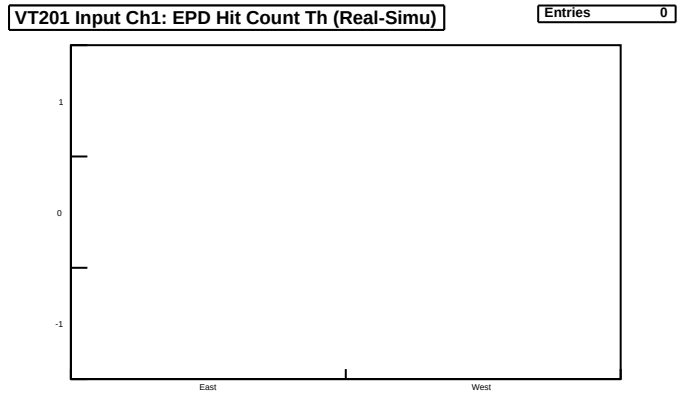

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1215794
373078
538538
234819
69359
East
West

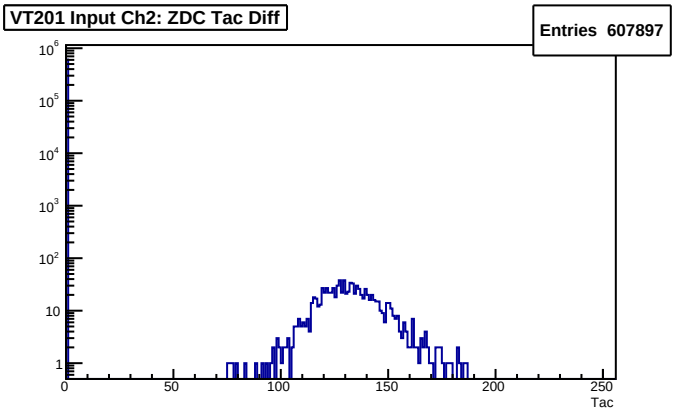

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

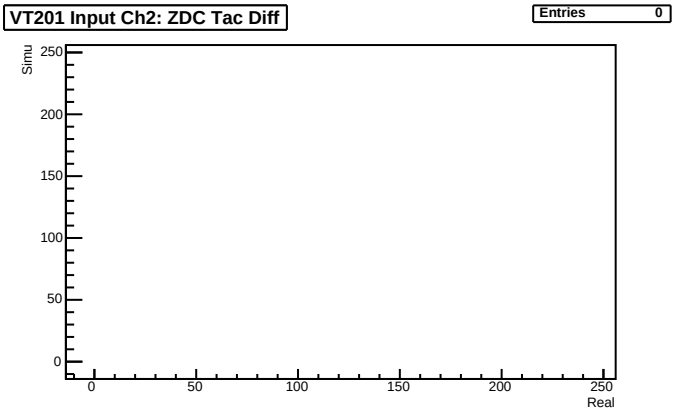

VT201 Input Ch1: EPD Tac Diff
Entries 607897
Tac

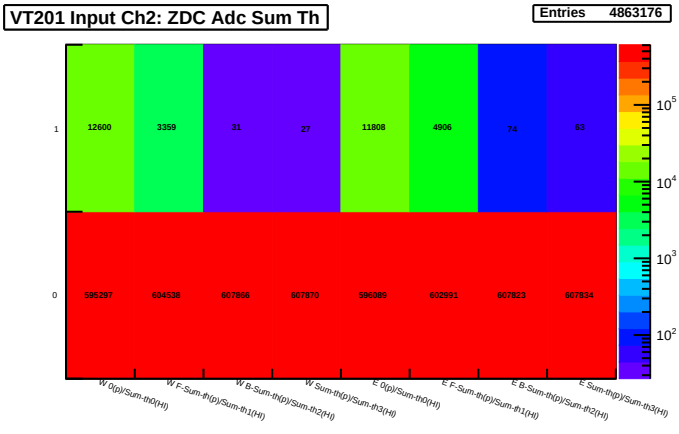

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

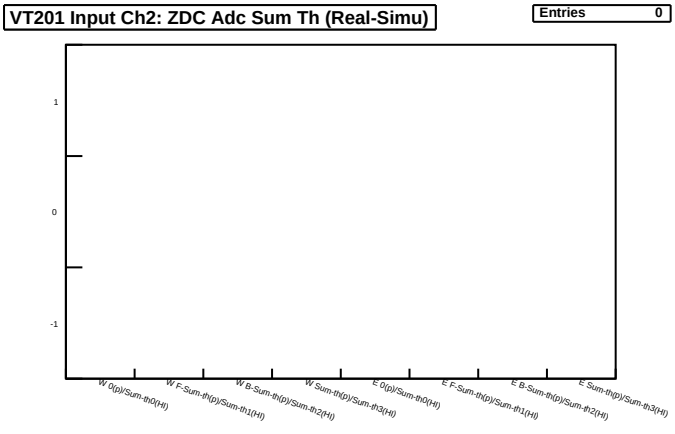

VT201 Input Ch1: EPD Hit Count Th
Entries 1215794
602199
600895
5698
7002
East
West

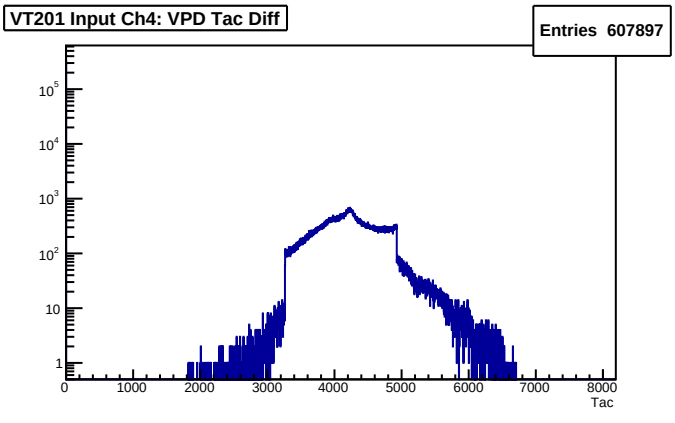

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

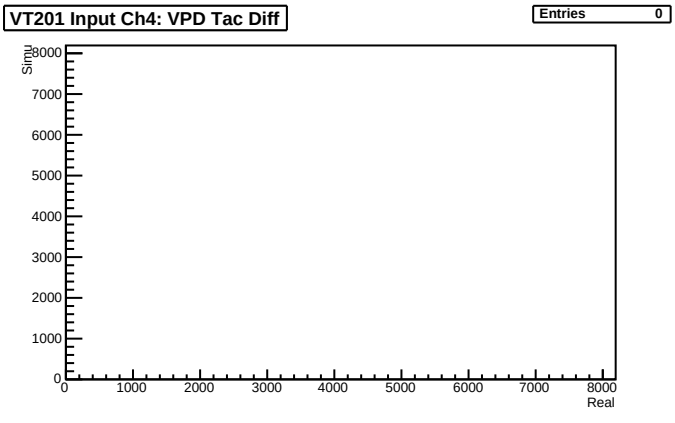

VT201 Input Ch2: ZDC Tac Diff
Entries 607897
Tac

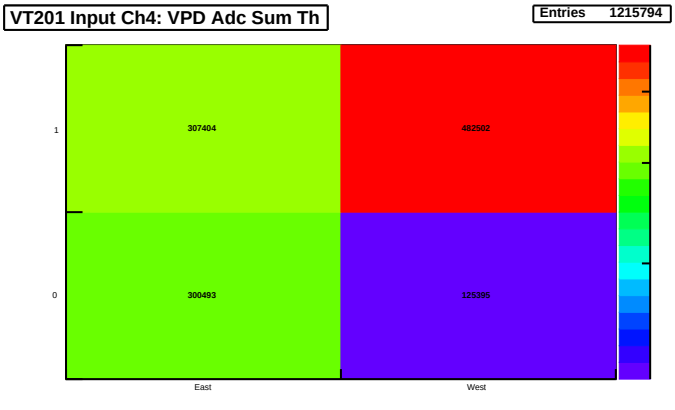

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

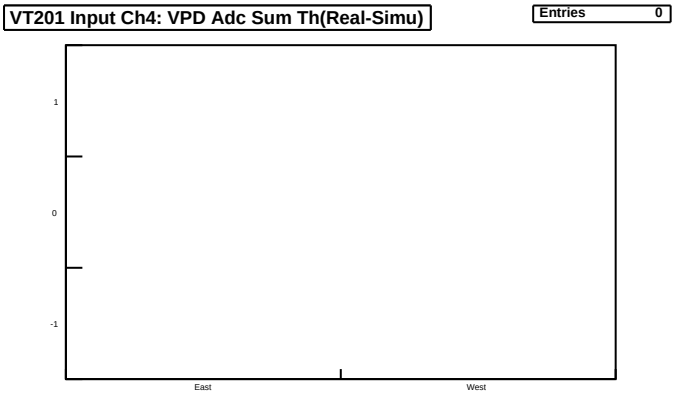

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4863176
12600
3359
31
27
11808
4906
74
63
595297
604538
607866
607870
596089
602991
607823
607834
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

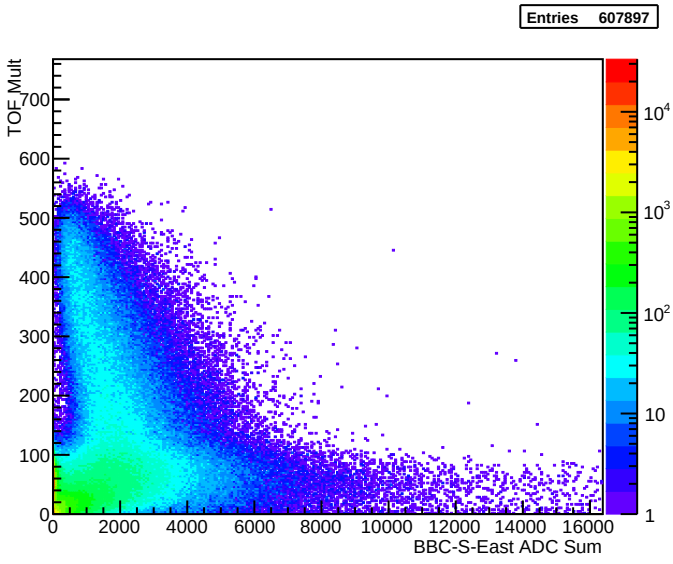

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

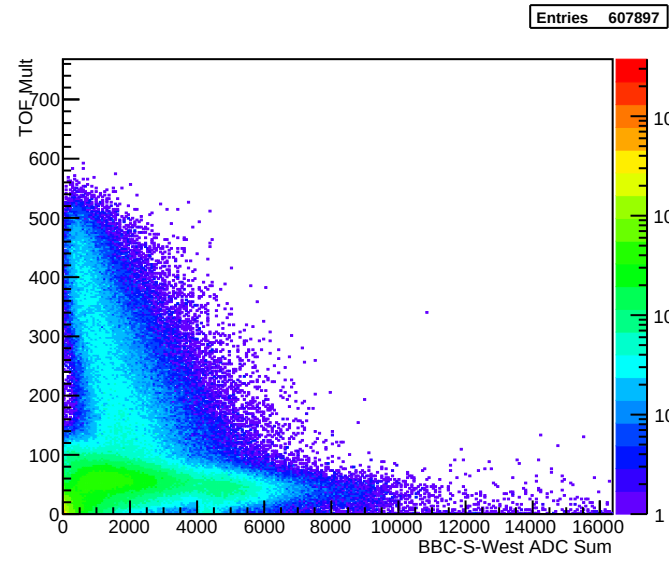

VT201 Input Ch4: VPD Tac Diff
Entries 607897
Tac

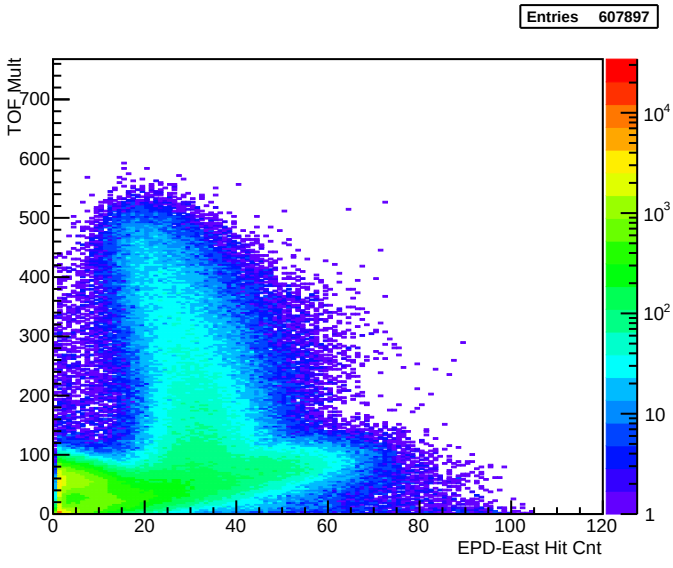

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

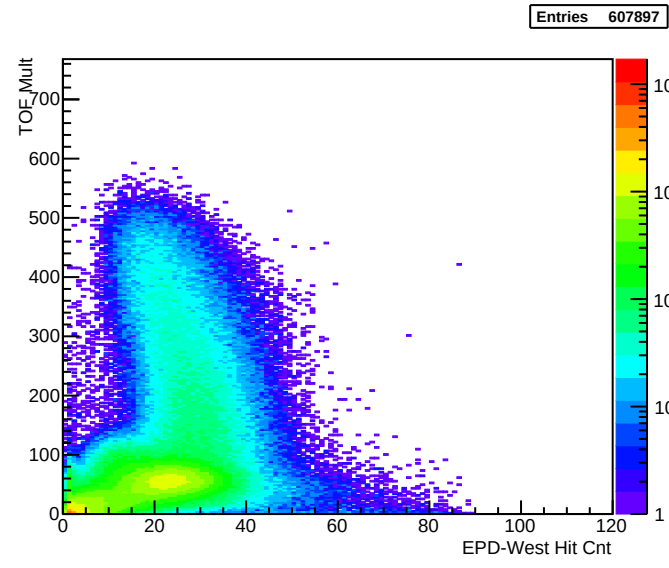

VT201 Input Ch4: VPD Adc Sum Th
Entries 1215794
307404
482502
300493
125395
East
West

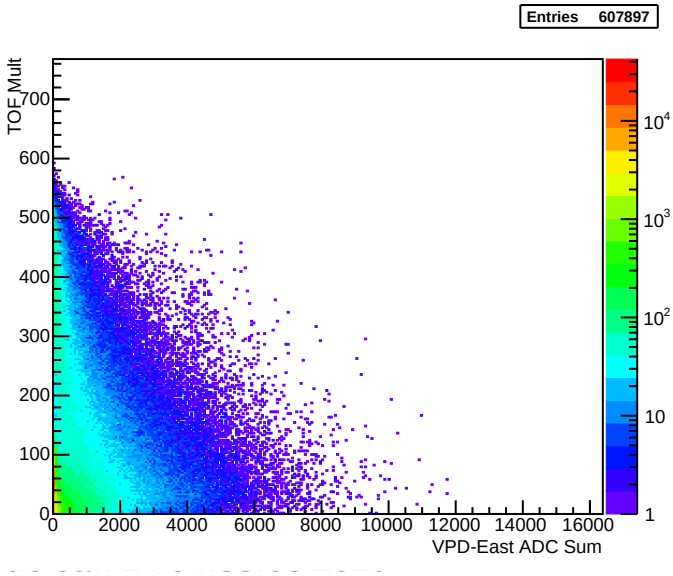

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

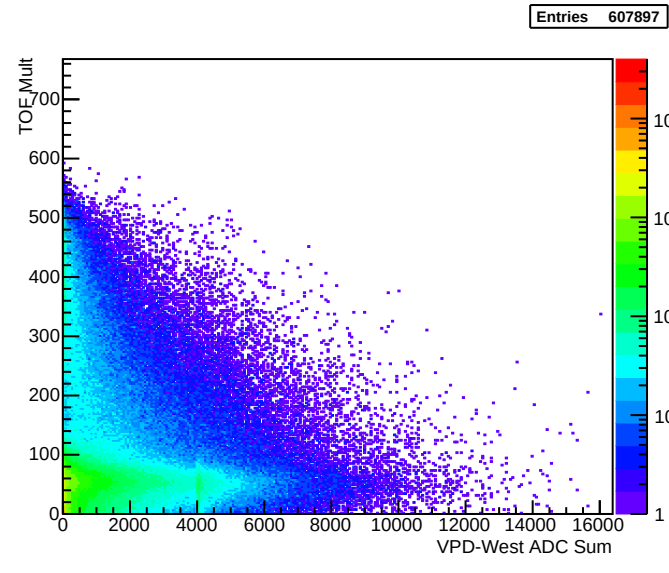

Entries 607897
TOF_Mult
BBC-S-East ADC Sum

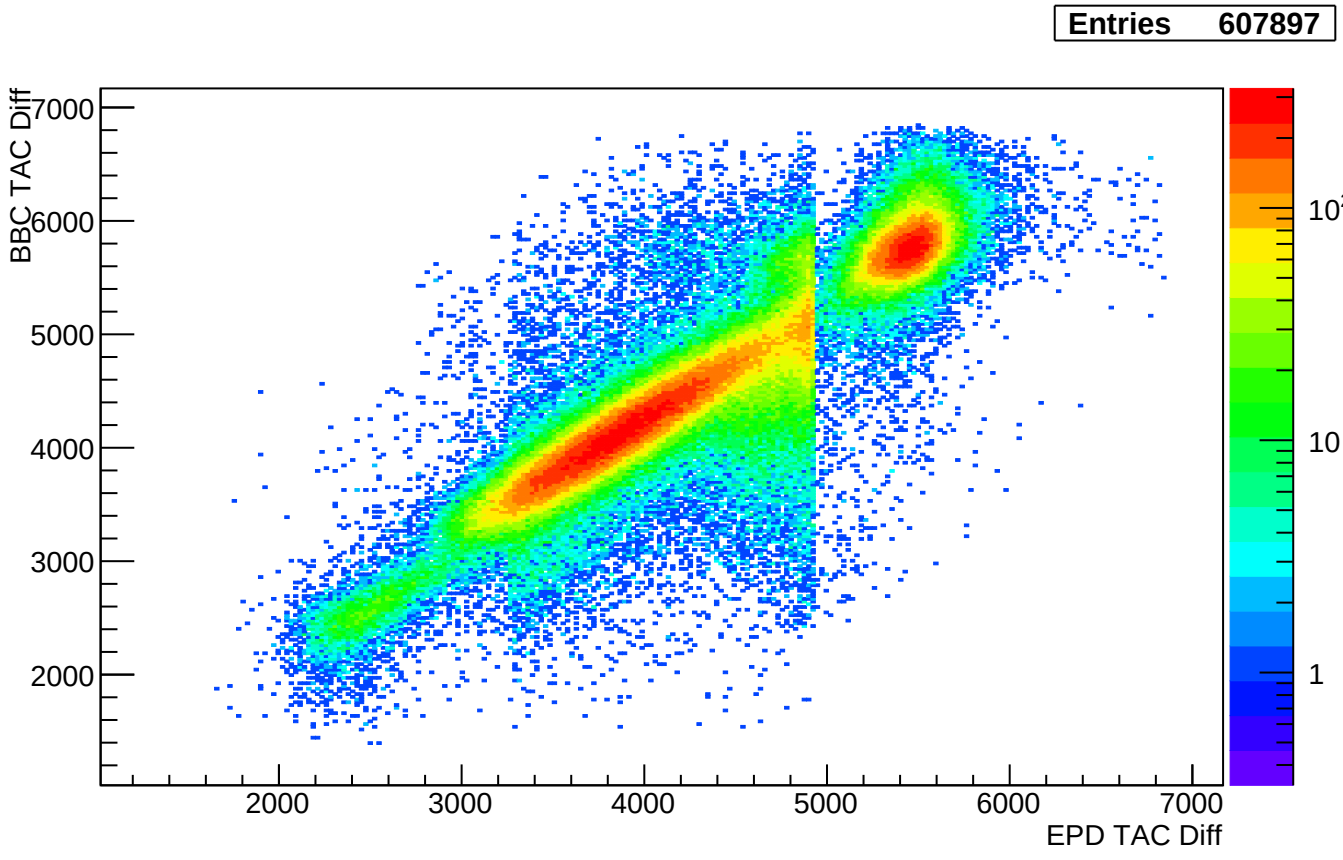

Entries 607897
TOF_Mult
BBC-S-West ADC Sum

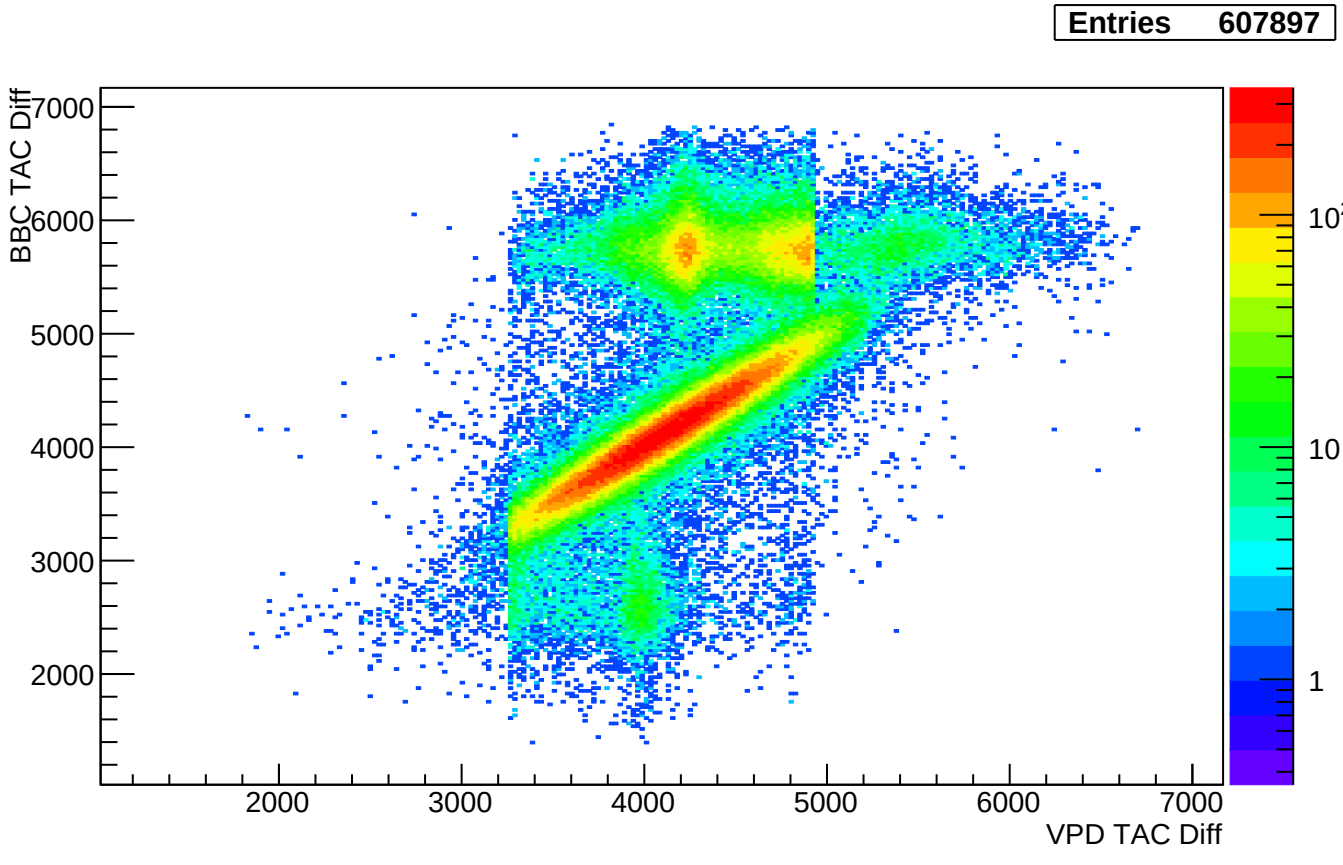

Entries 607897
TOF_Mult
EPD-East Hit Cnt

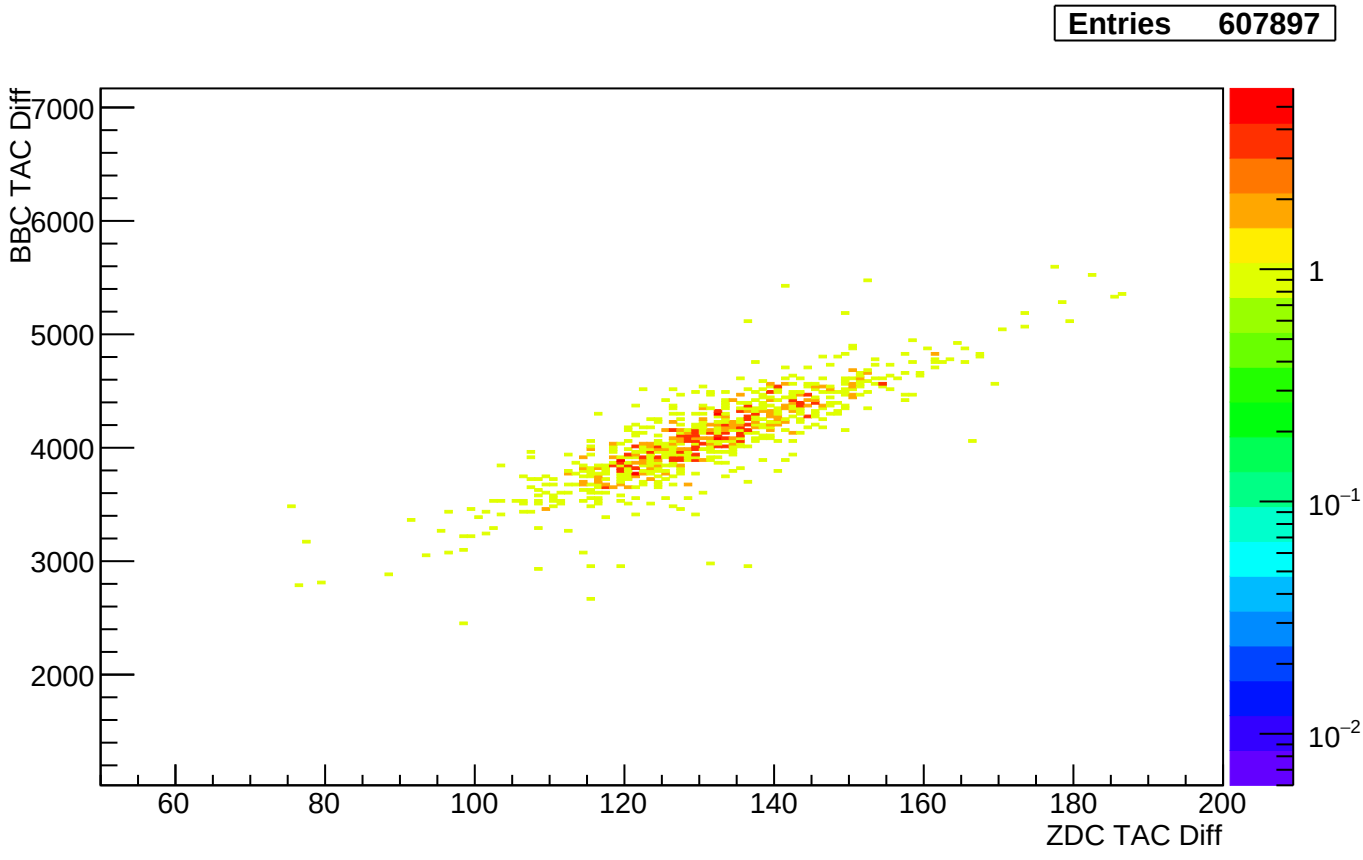

Entries 607897
TOF_Mult
EPD-West Hit Cnt

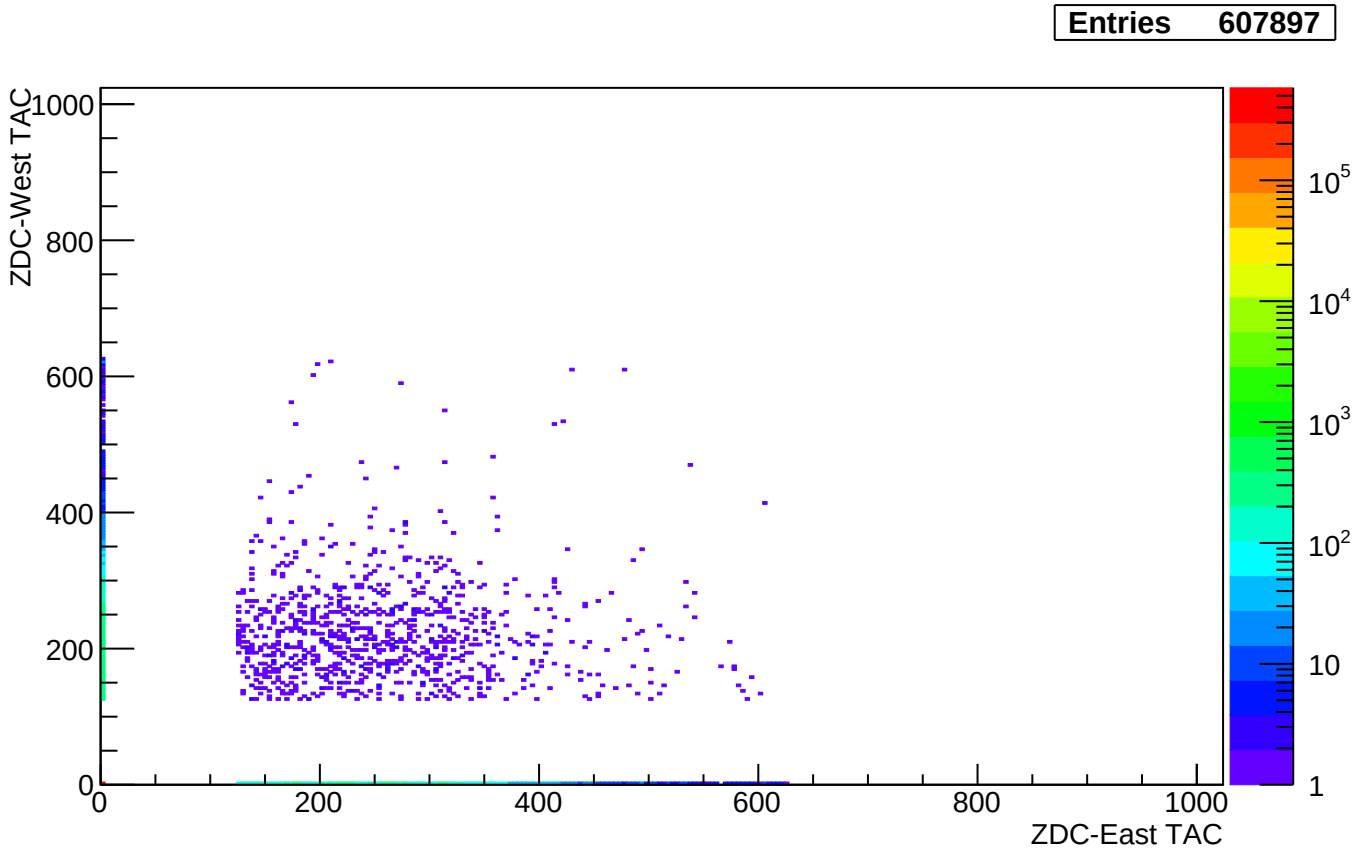

Entries 607897
TOF_Mult
VPD-East ADC Sum

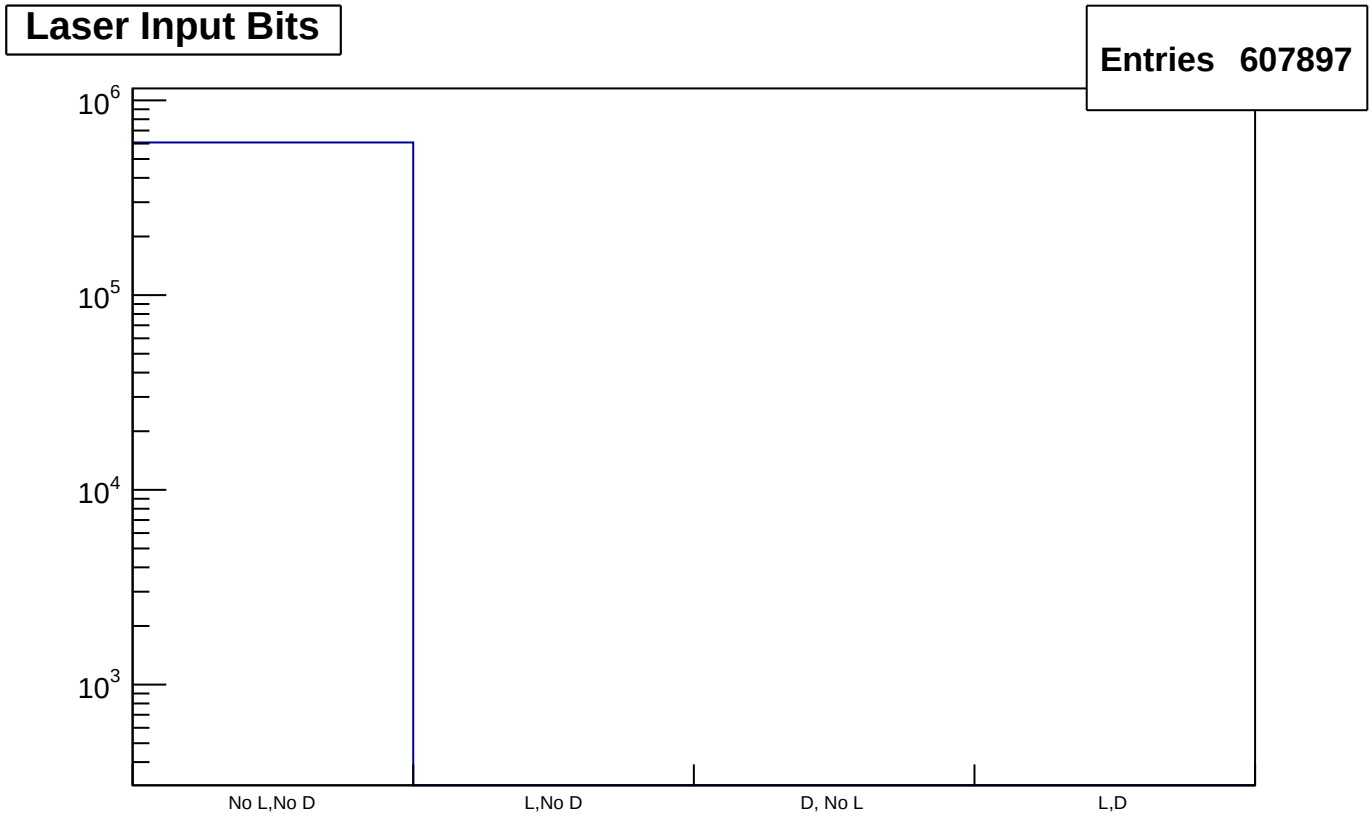

Entries 607897
TOF_Mult
VPD-West ADC Sum

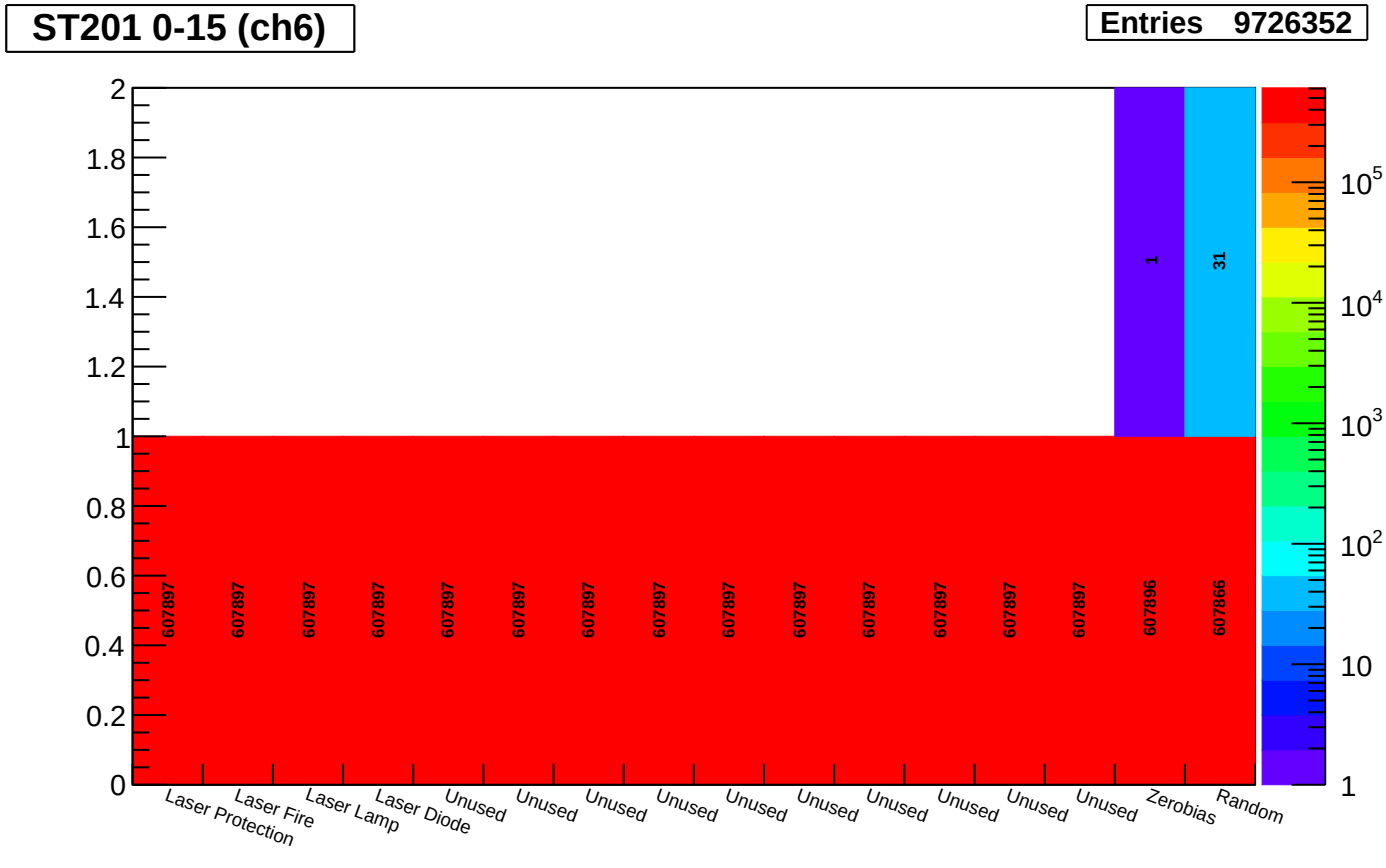

Entries 607897
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

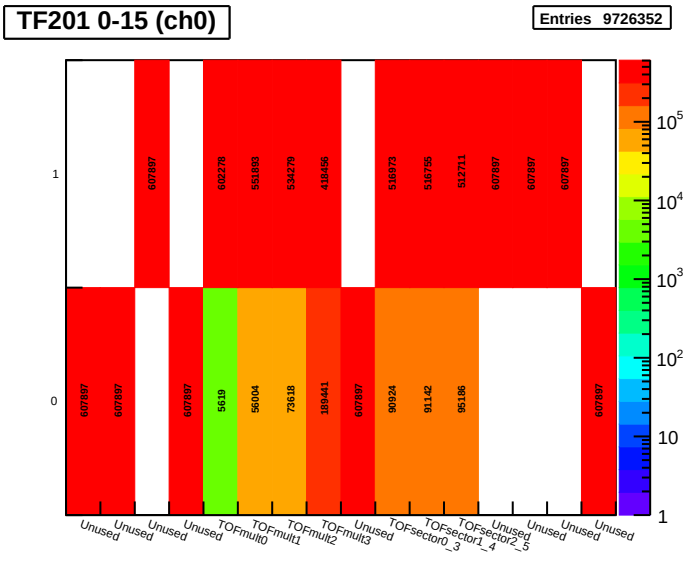

Entries 607897
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

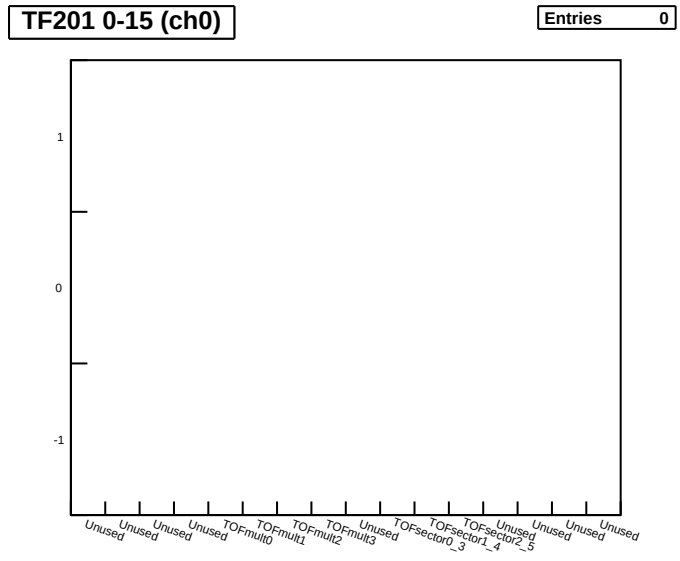

Entries 607897
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

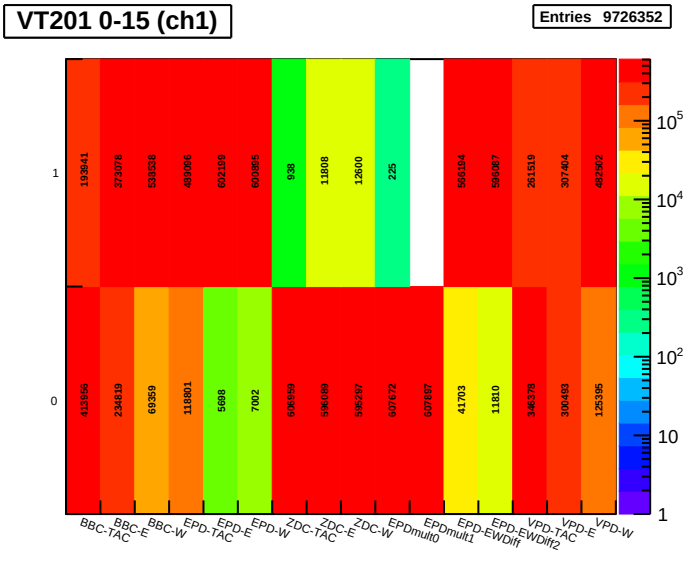

Entries 607897
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

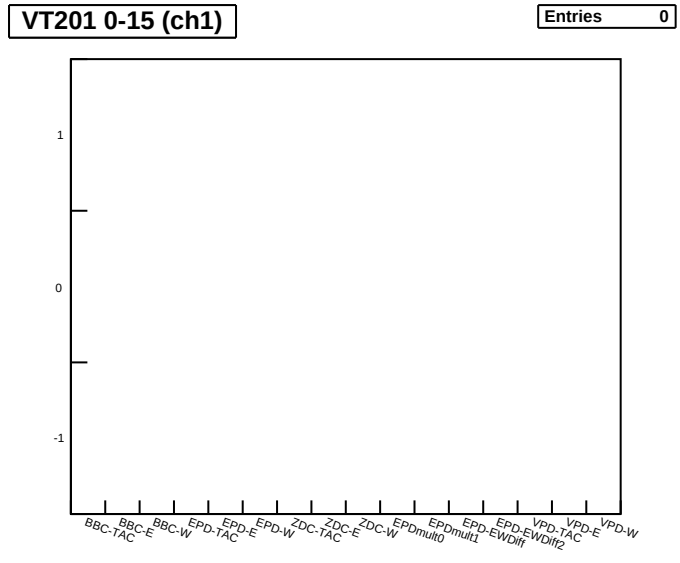

Laser Input Bits
Entries 607897
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

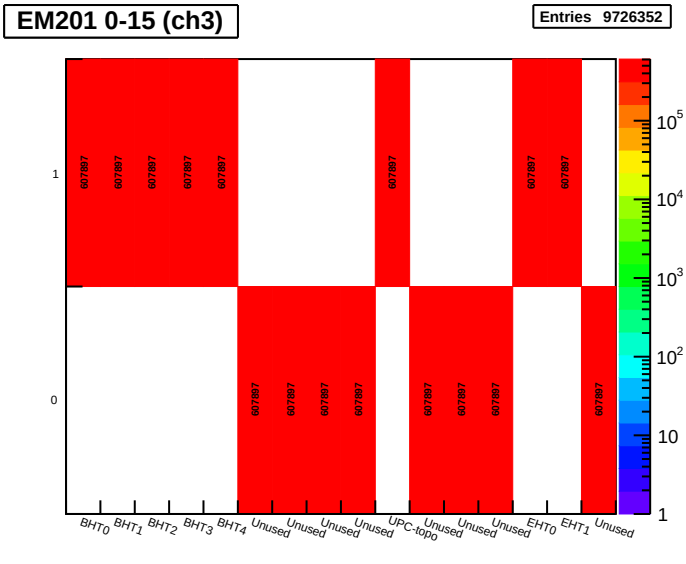

ST201 0-15 (ch6)
Entries 9726352
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
607897
607897
607897
607897
607897
607897
607897
607897
607897
607897
607897
607897
607897
607896
607866
1
31
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

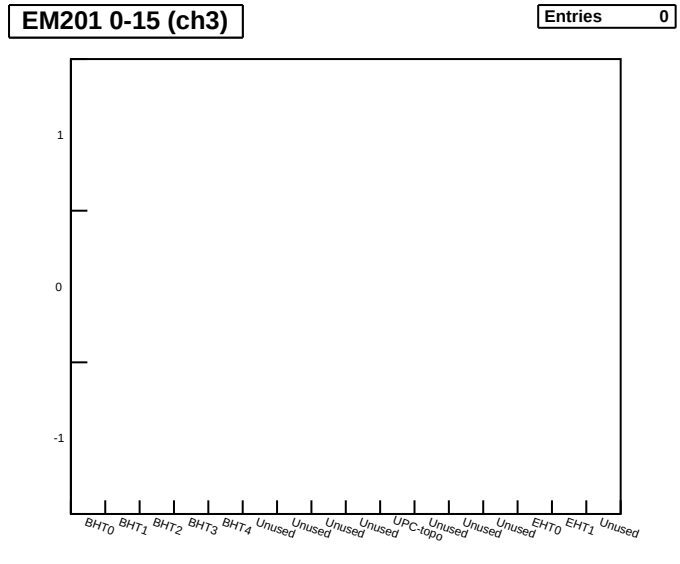

TF201 0-15 (ch0)
Entries 9726352
1
0
607897 607897 607897 602278 553833 534279 418456 516973 516755 512711 607897 607897 607897
607897 607897 607897 5619 56004 73618 189441 607897 90924 91142 95186 607897
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 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 9726352
1
0
193941 373078 538538 489096 602199 600895 938 11808 12600 225 566194 596087 261519 307404 482502
413956 234819 69359 118801 5698 7002 606959 596089 595297 607672 607897 41703 11810 346378 300493 125395
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 9726352
1
0
607897 607897 607897 607897 607897 607897 607897 607897
607897 607897 607897 607897 607897 607897 607897 607897
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