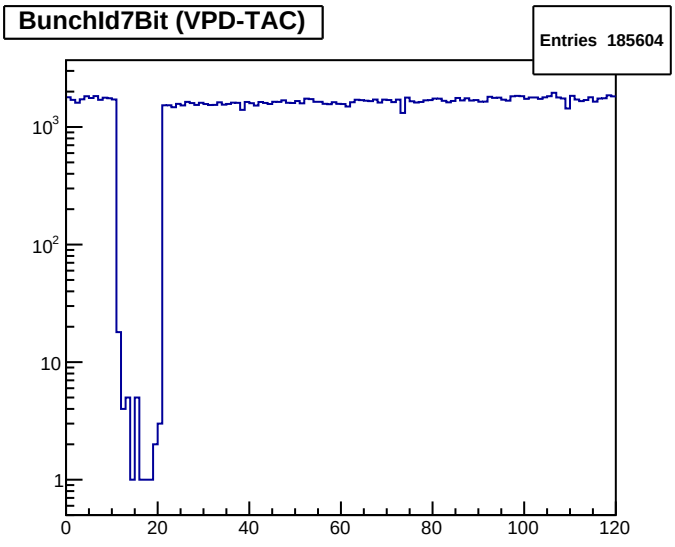
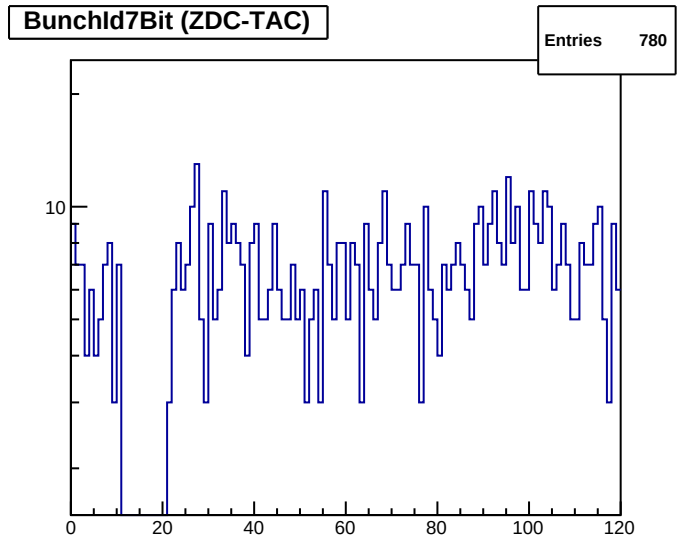
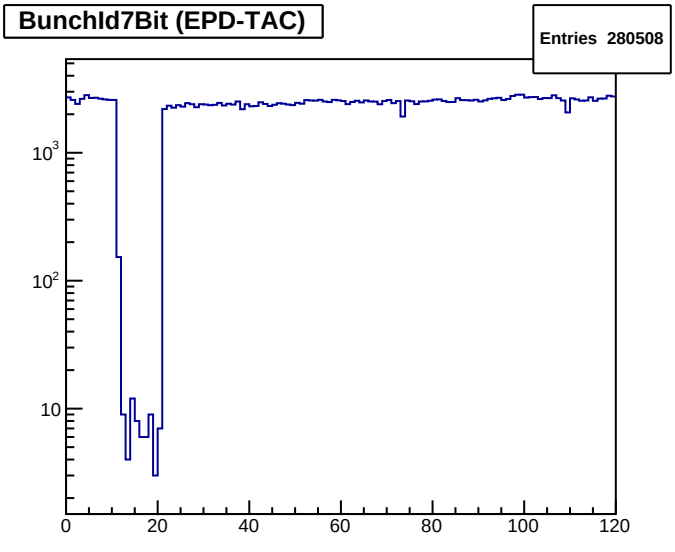
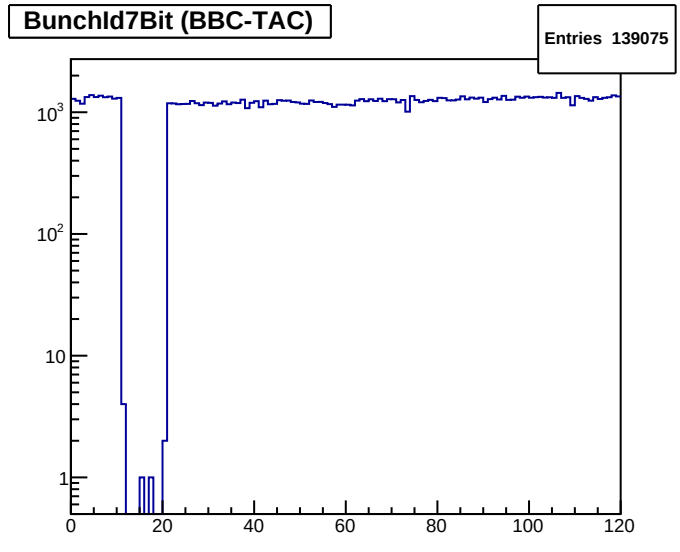
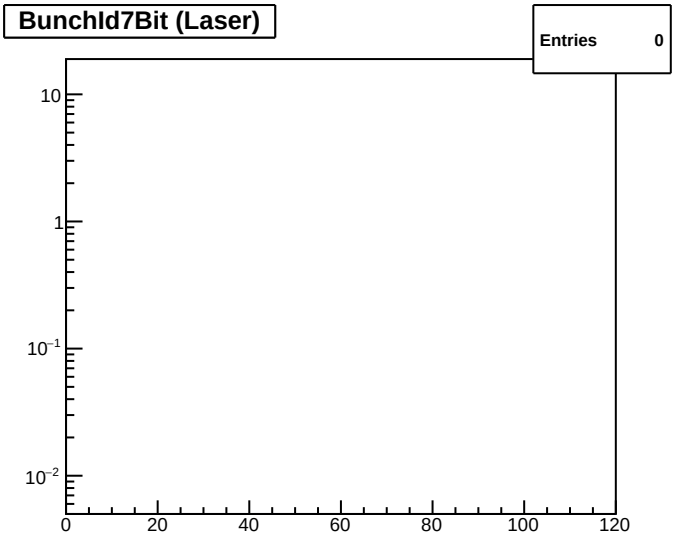
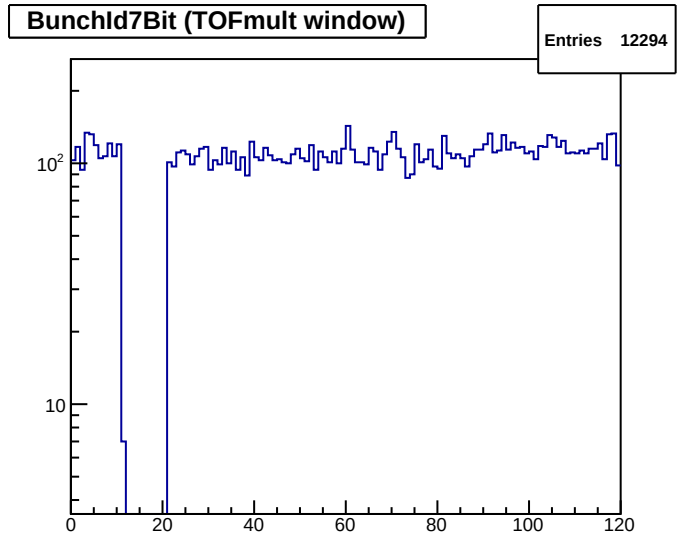

BunchId7Bit (VPD-TAC)
Entries 185604
10^3
10^2
10
1
0
20
40
60
80
100
120

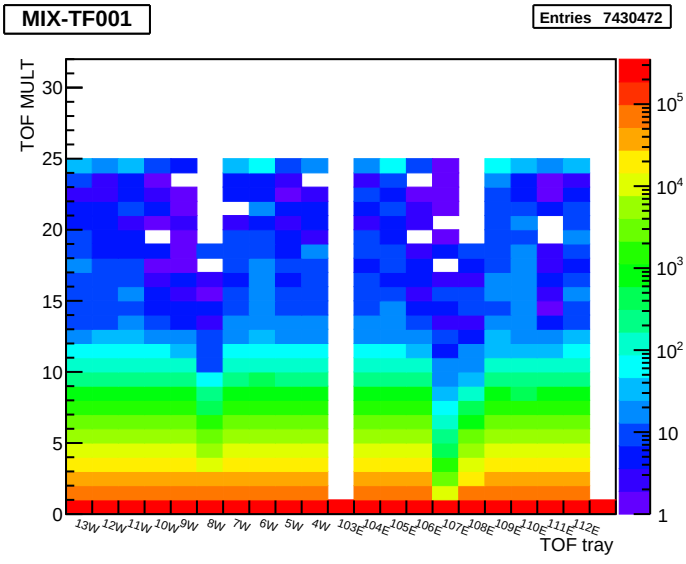

BunchId7Bit (ZDC-TAC)
Entries 780
10
0
20
40
60
80
100
120

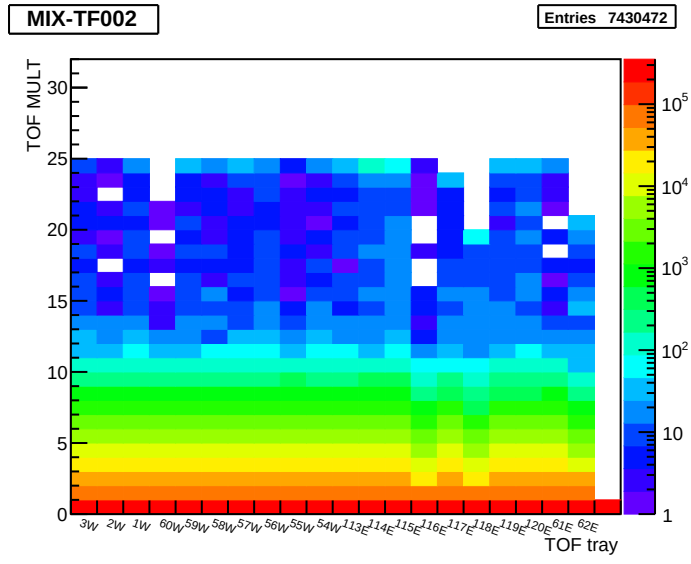

BunchId7Bit (EPD-TAC)
Entries 280508
10^3
10^2
10
0
20
40
60
80
100
120

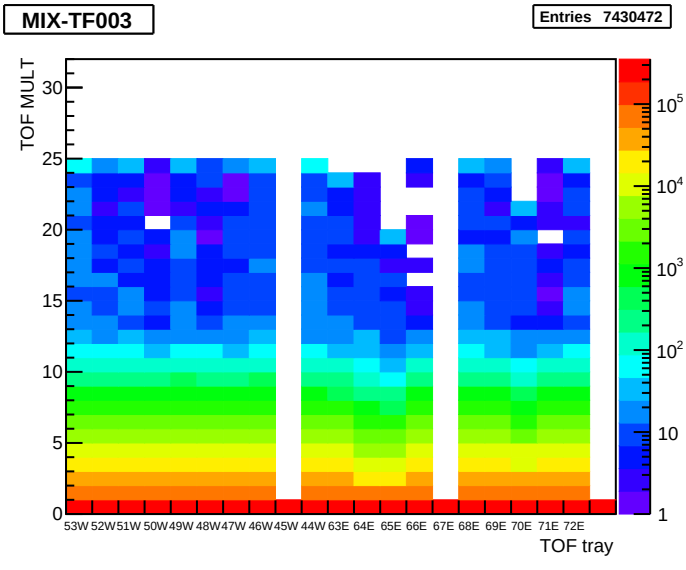

BunchId7Bit (BBC-TAC)
Entries 139075
10^3
10^2
10
1
0
20
40
60
80
100
120

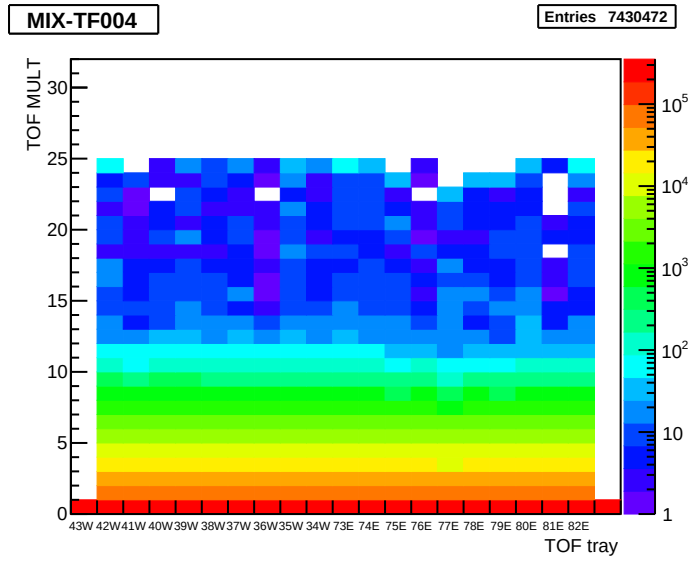

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

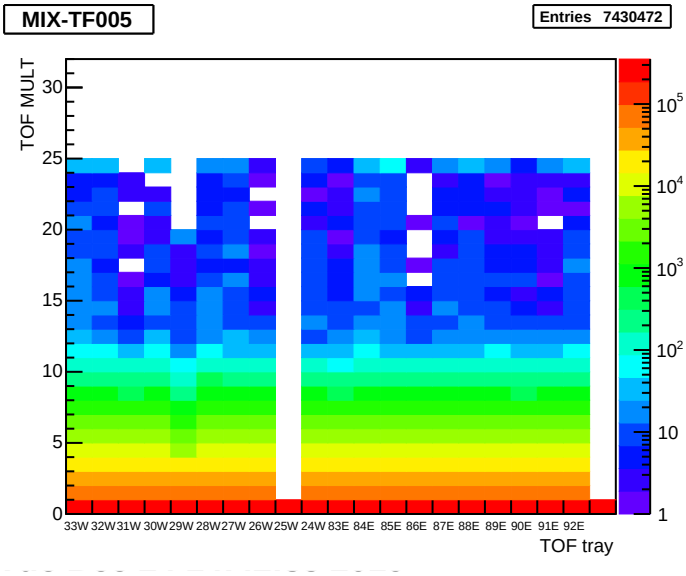

BunchId7Bit (TOFmult window)
Entries 12294
10^2
10
0
20
40
60
80
100
120

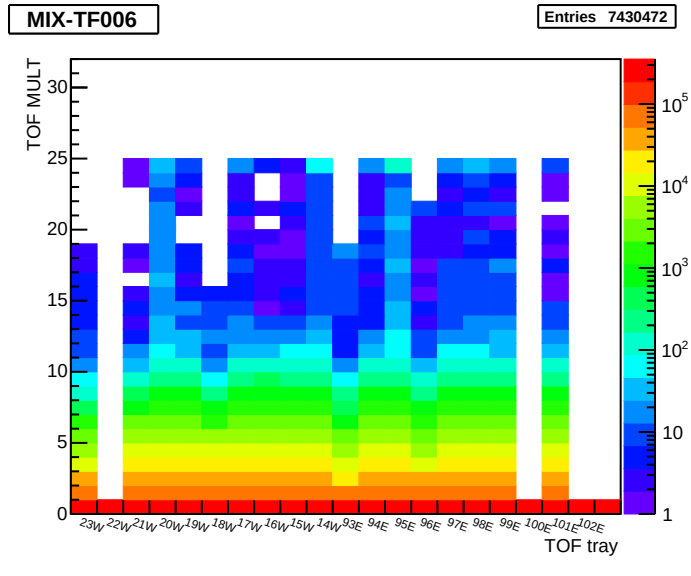

MIX-TF001
Entries 7430472
TOF MULT
TOF tray

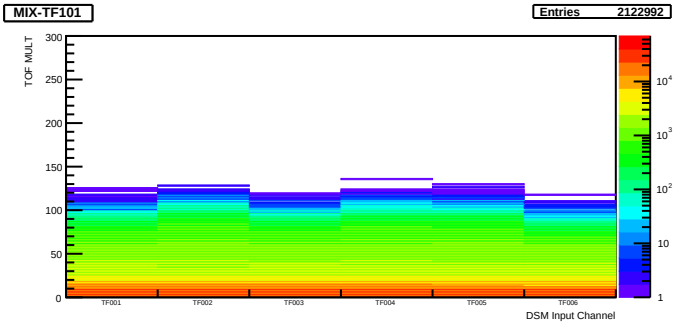

MIX-TF002
Entries 7430472
TOF MULT
TOF tray

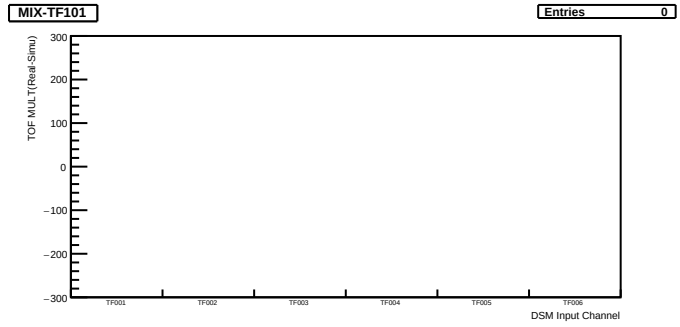

MIX-TF003
Entries 7430472
TOF MULT
TOF tray

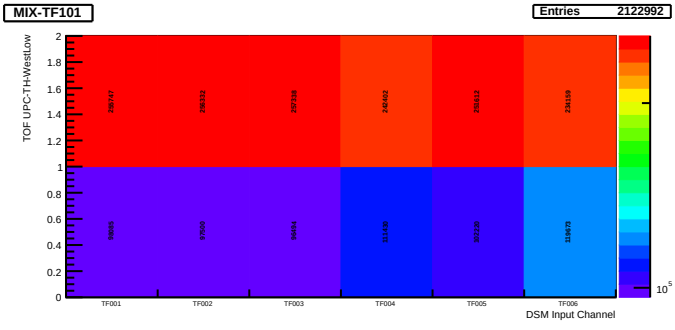

MIX-TF004
Entries 7430472
TOF MULT
TOF tray

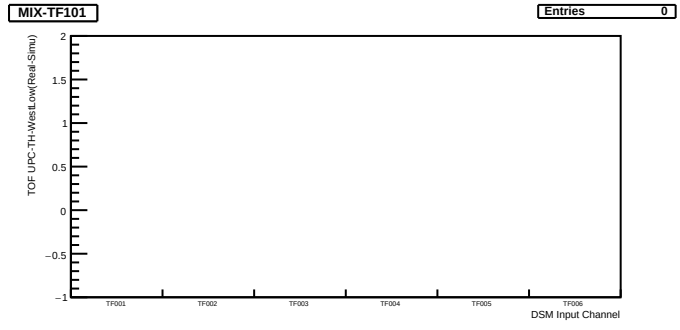

MIX-TF005
Entries 7430472
TOF MULT
TOF tray

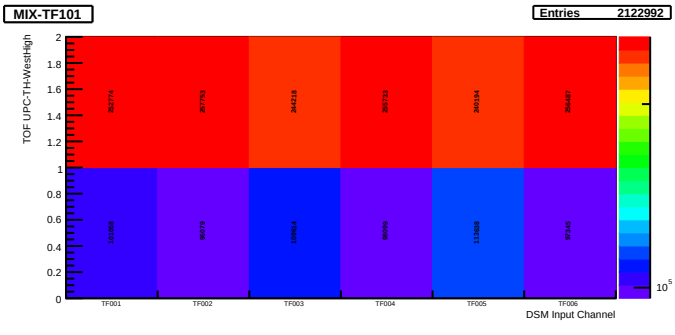

MIX-TF006
Entries 7430472
TOF MULT
TOF tray

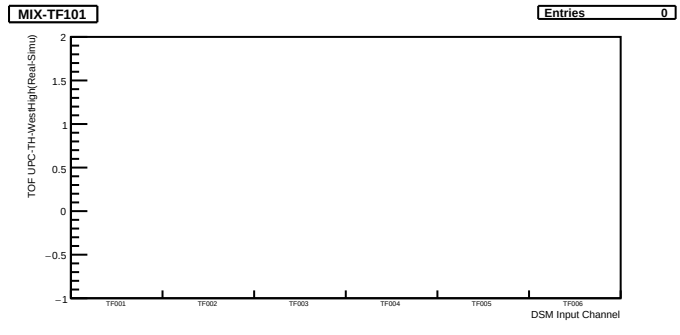

MIX-TF101
Entries 2122992
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

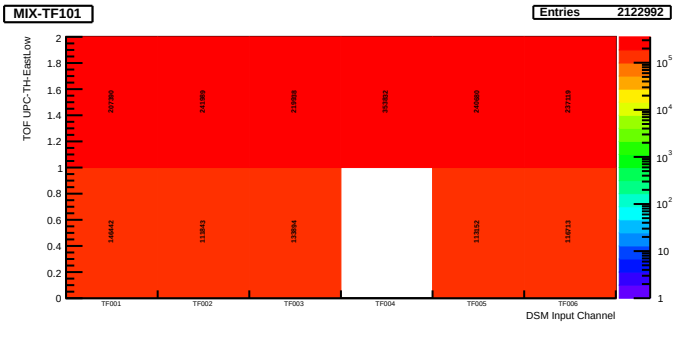

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

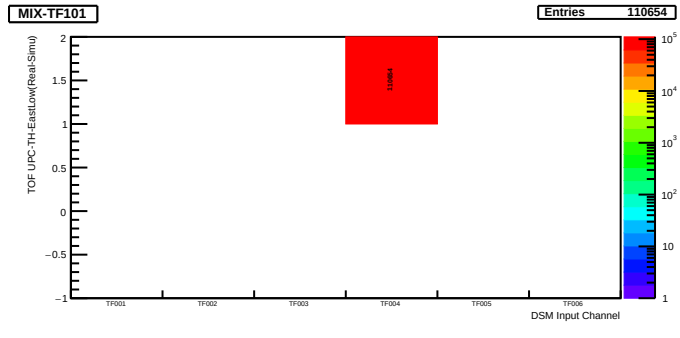

MIX-TF101
Entries 2122992
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

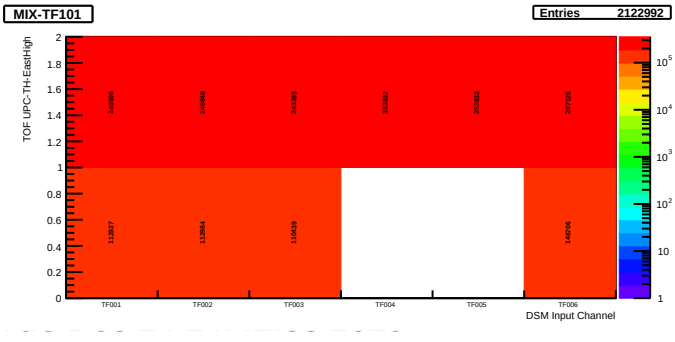

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

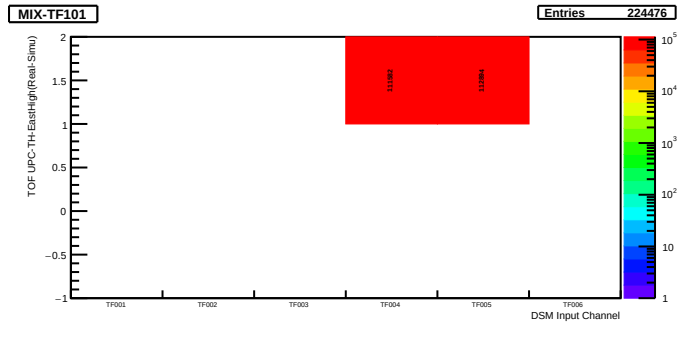

MIX-TF101
Entries 2122992
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

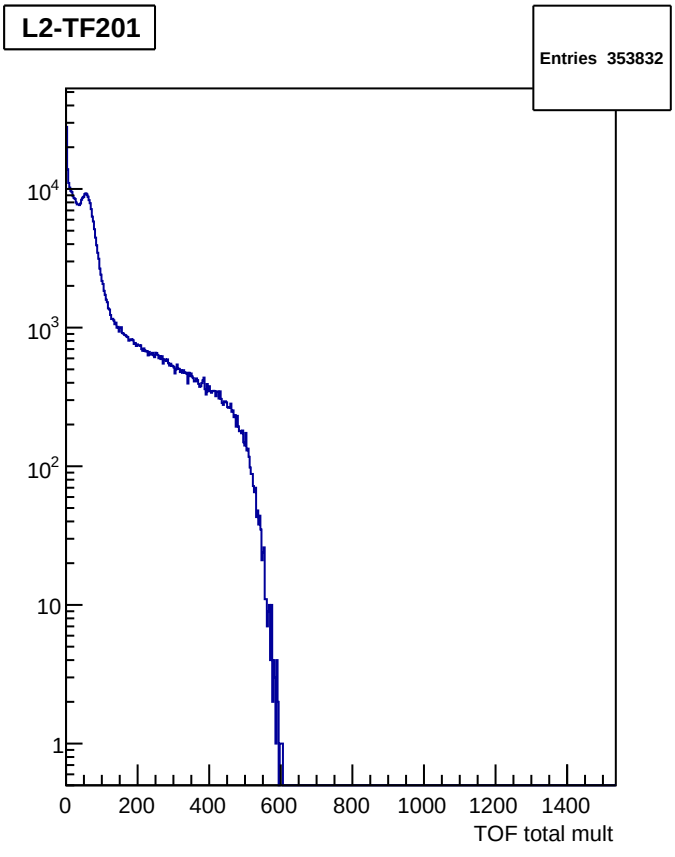

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

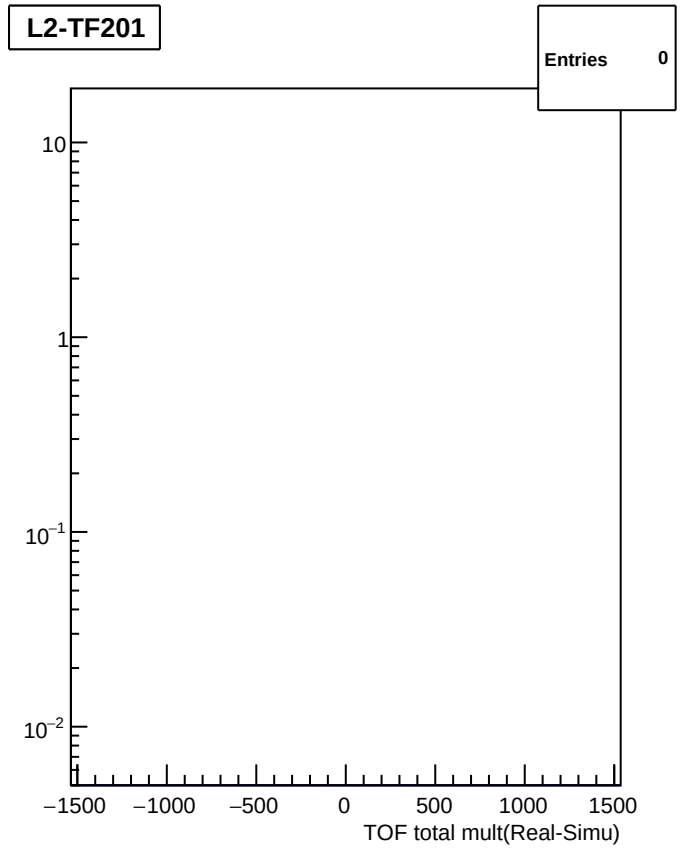

MIX-TF101
Entries 2122992
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

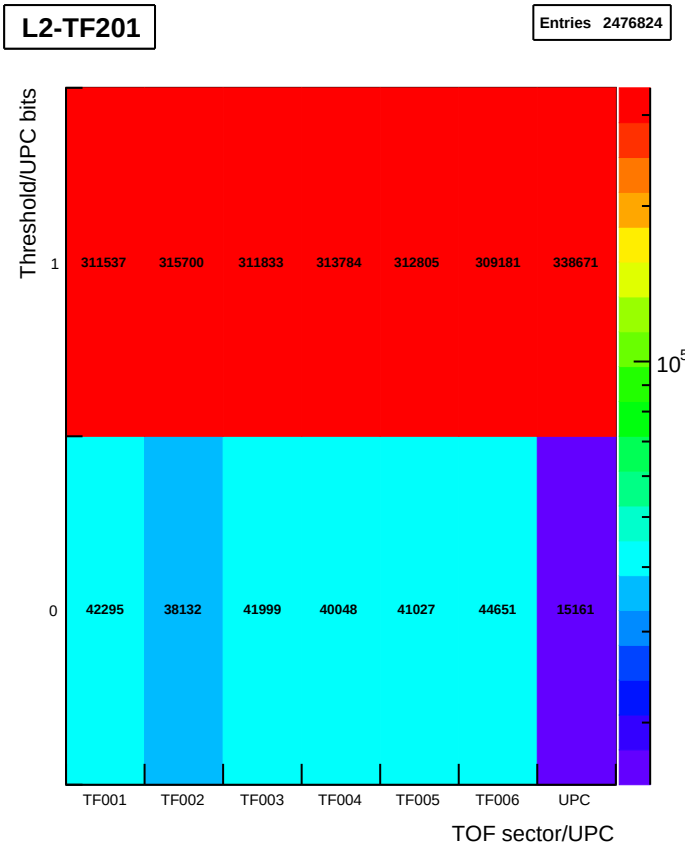

MIX-TF101
Entries 110654
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

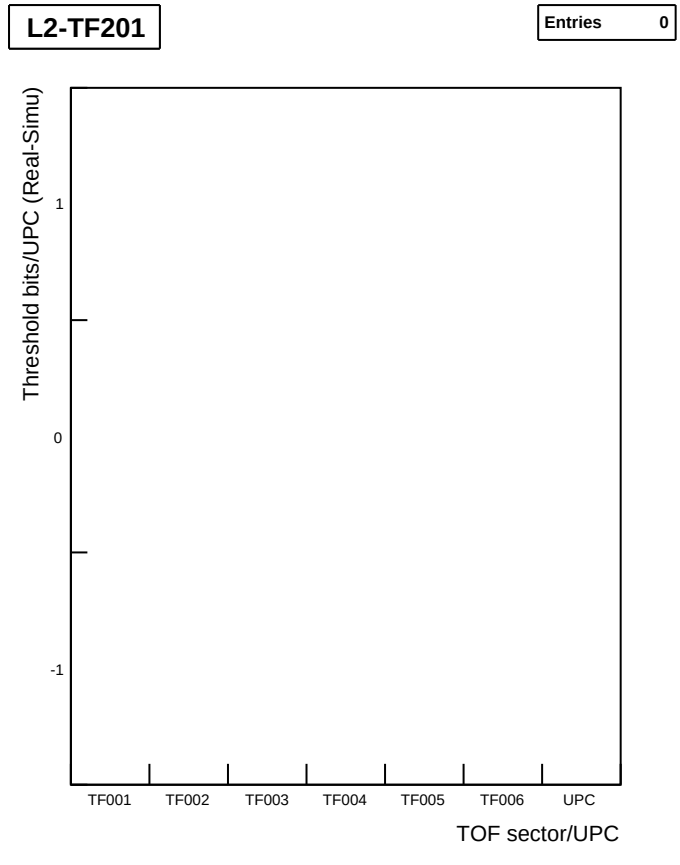

MIX-TF101
Entries 2122992
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

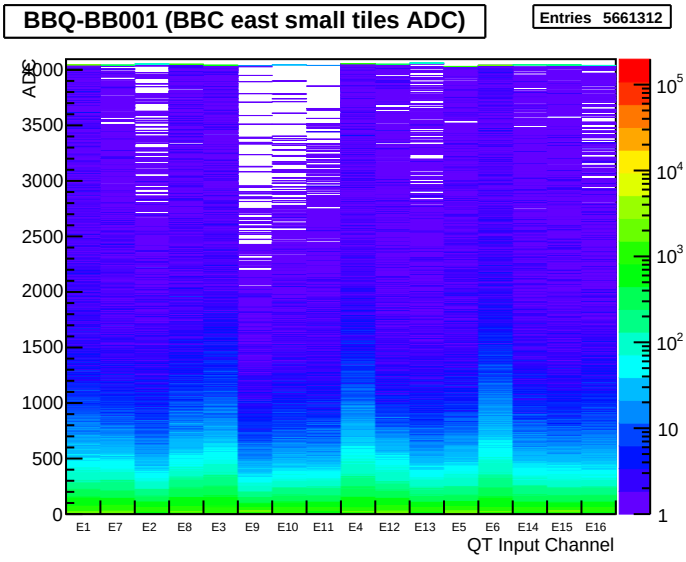

MIX-TF101
Entries 224476
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

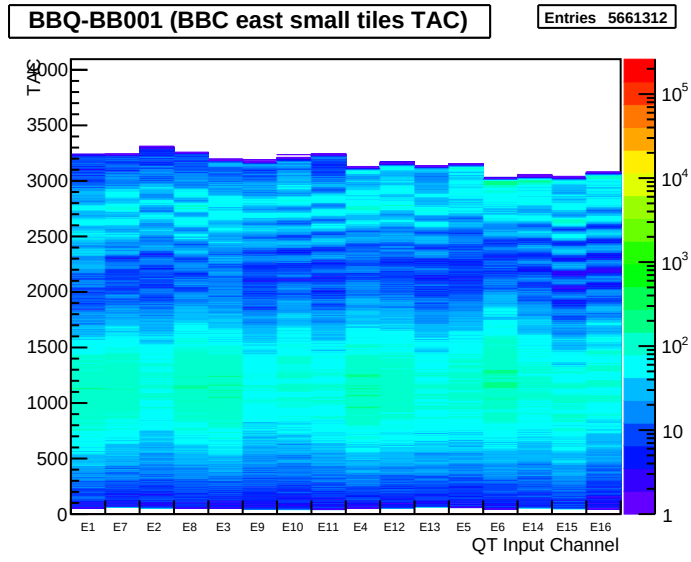

L2-TF201
Entries 353832
TOF total mult

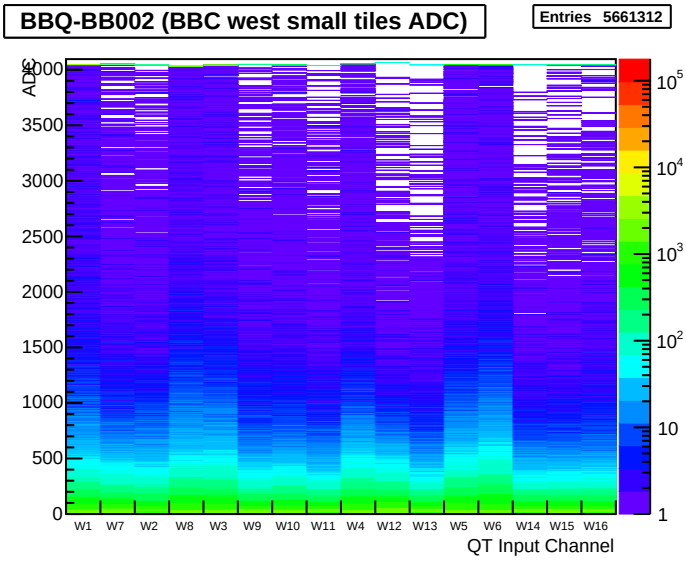

L2-TF201
Entries 0
TOF total mult(Real-Simu)

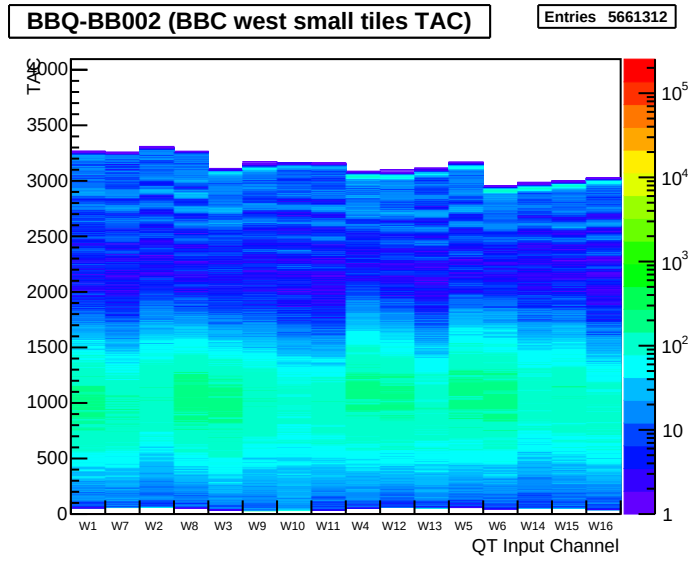

L2-TF201
Entries 2476824
Threshold/UPC bits
311537
315700
311833
313784
312805
309181
338671
42295
38132
41999
40048
41027
44651
15161
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

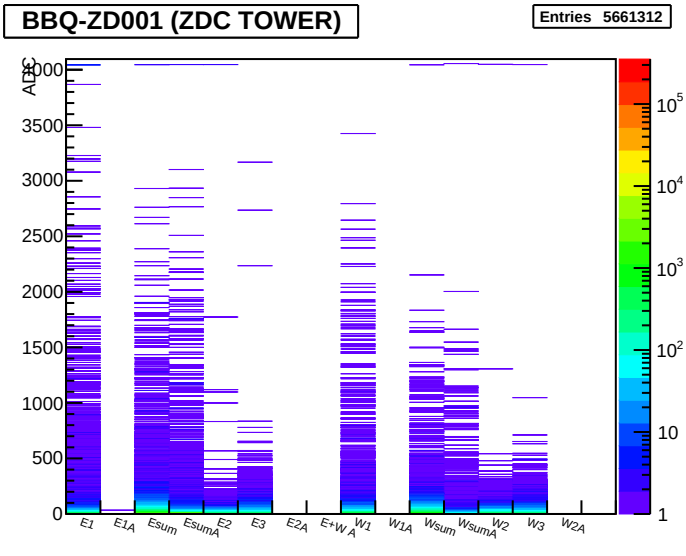

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

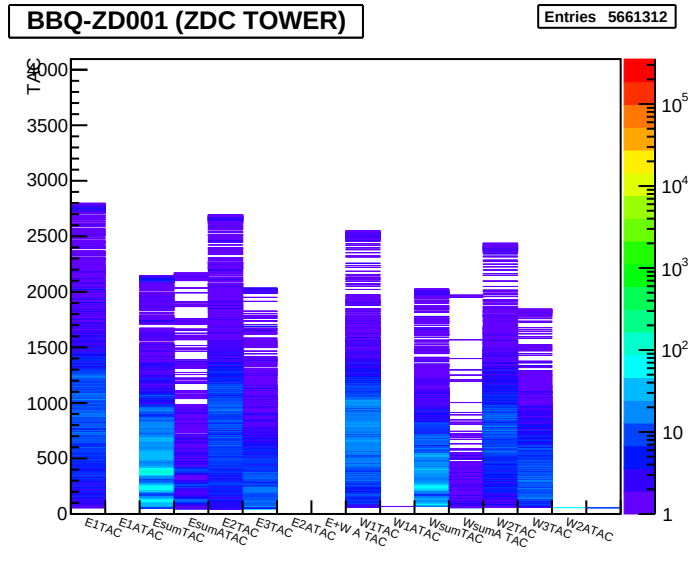

BBQ-BB001 (BBC east small tiles ADC)
Entries 5661312
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

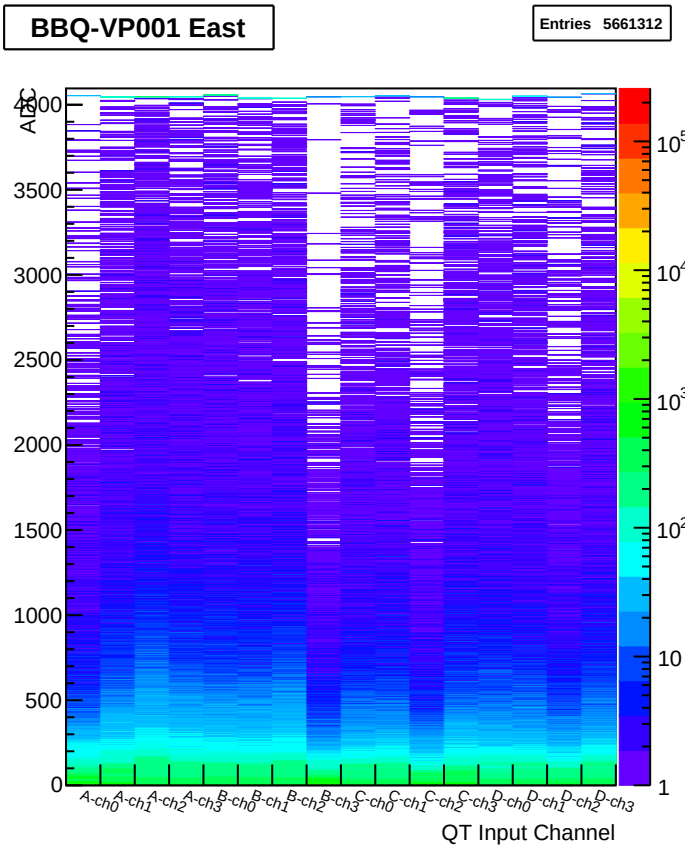

BBQ-BB001 (BBC east small tiles TAC)
Entries 5661312
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

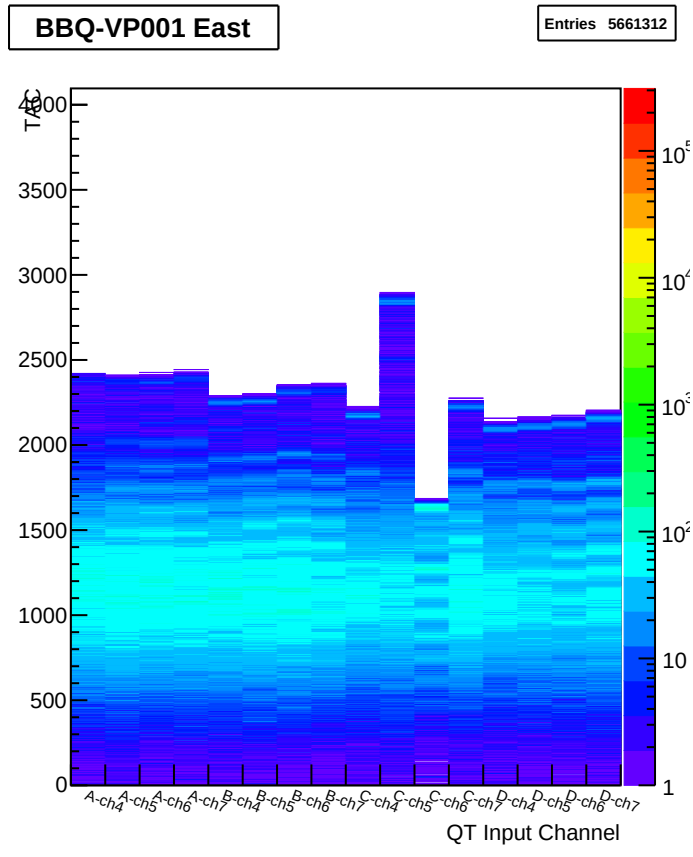

BBQ-BB002 (BBC west small tiles ADC)
Entries 5661312
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

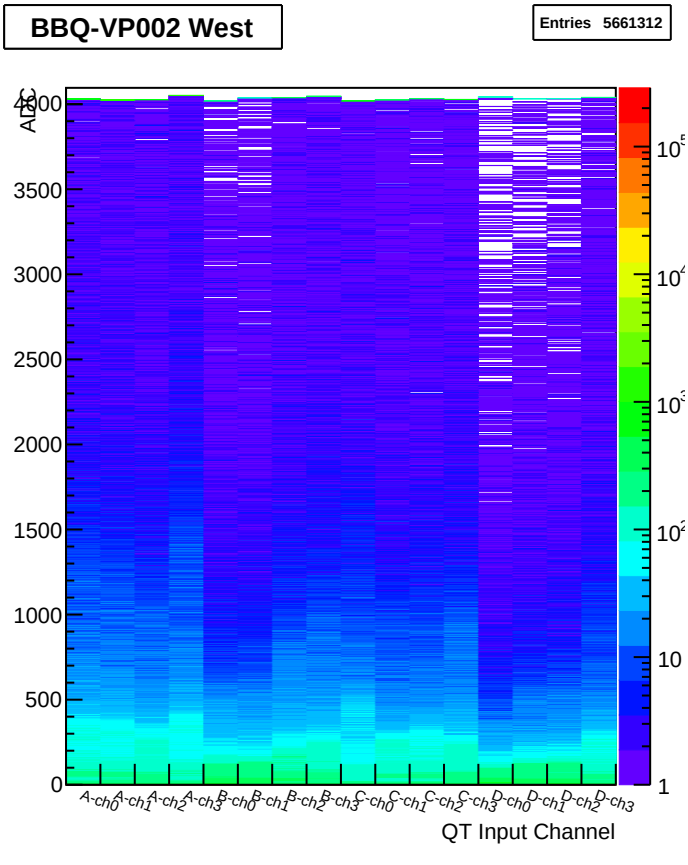

BBQ-BB002 (BBC west small tiles TAC)
Entries 5661312
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

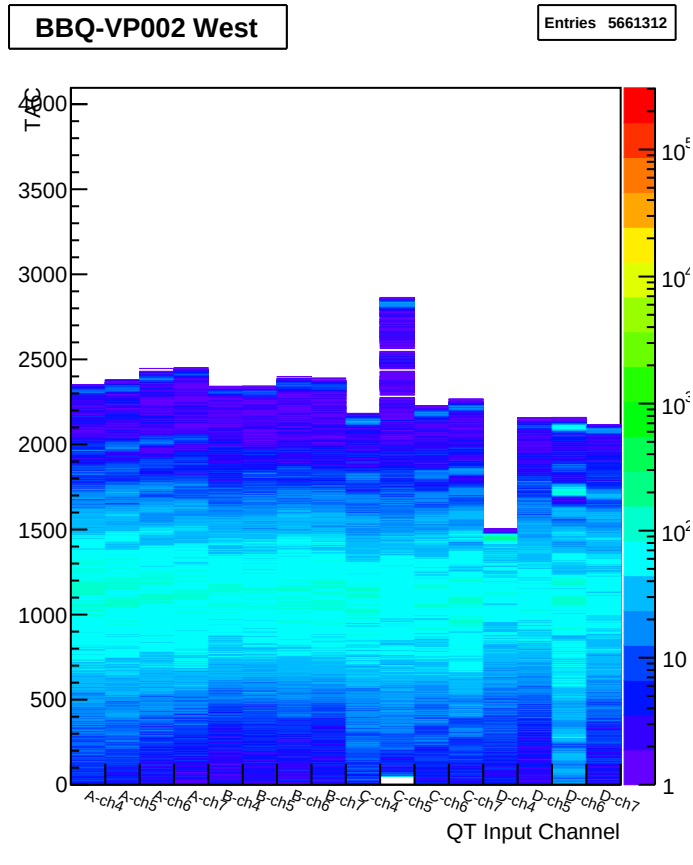

BBQ-ZD001 (ZDC TOWER)
Entries 5661312
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

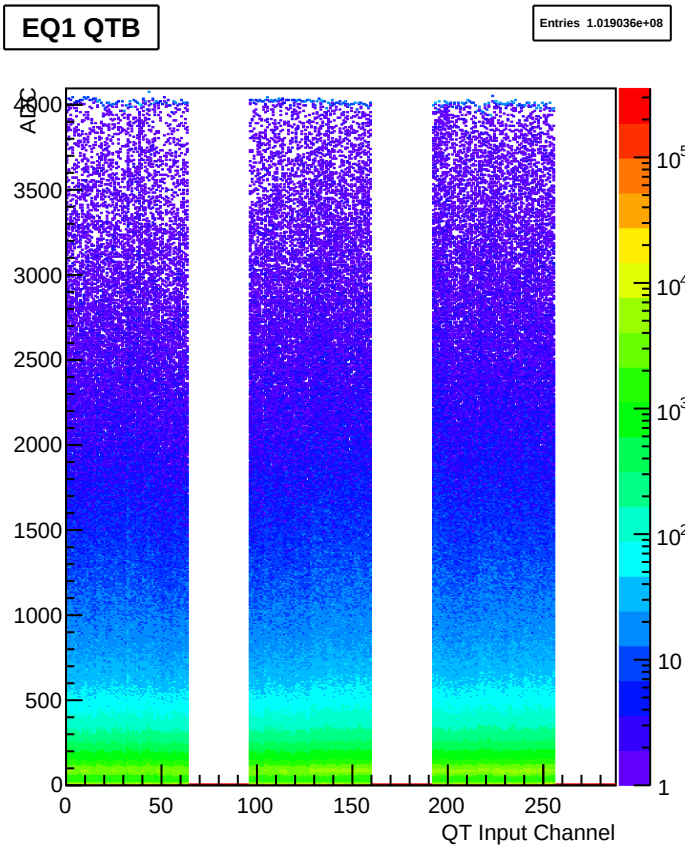

BBQ-ZD001 (ZDC TOWER)
Entries 5661312
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

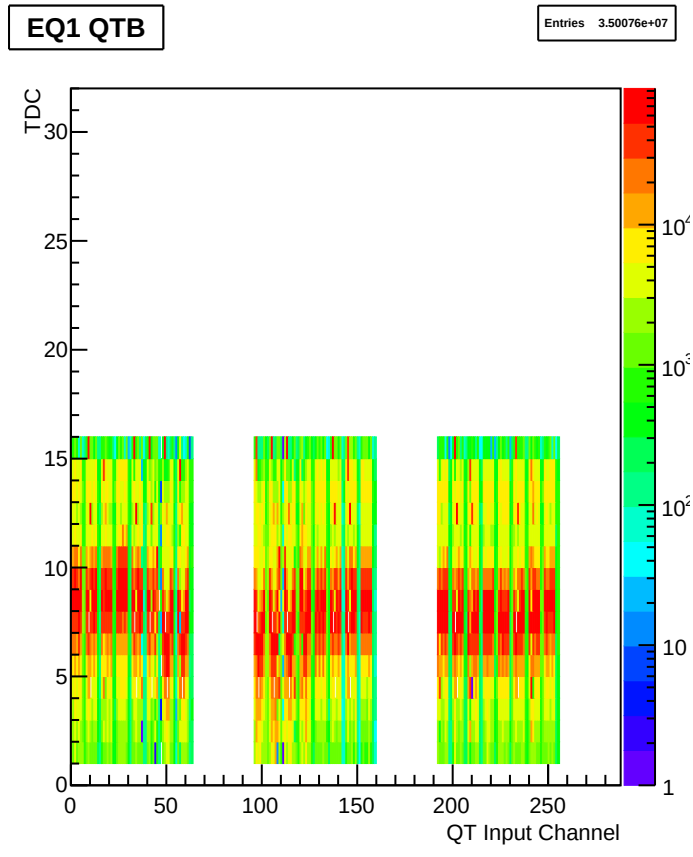

BBQ-VP001 East
Entries 5661312
ADC
QT Input Channel

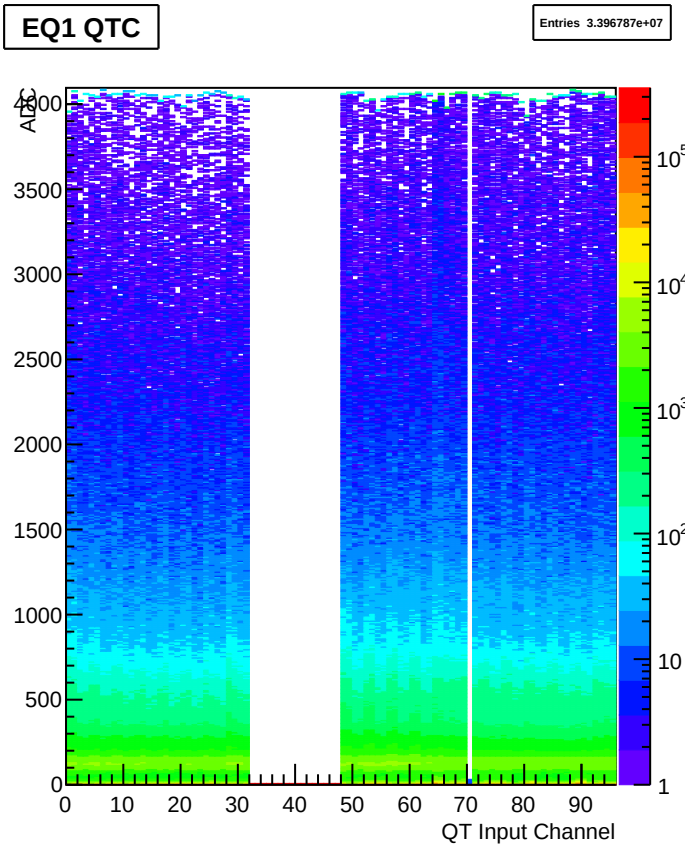

BBQ-VP001 East
Entries 5661312
TADC
QT Input Channel

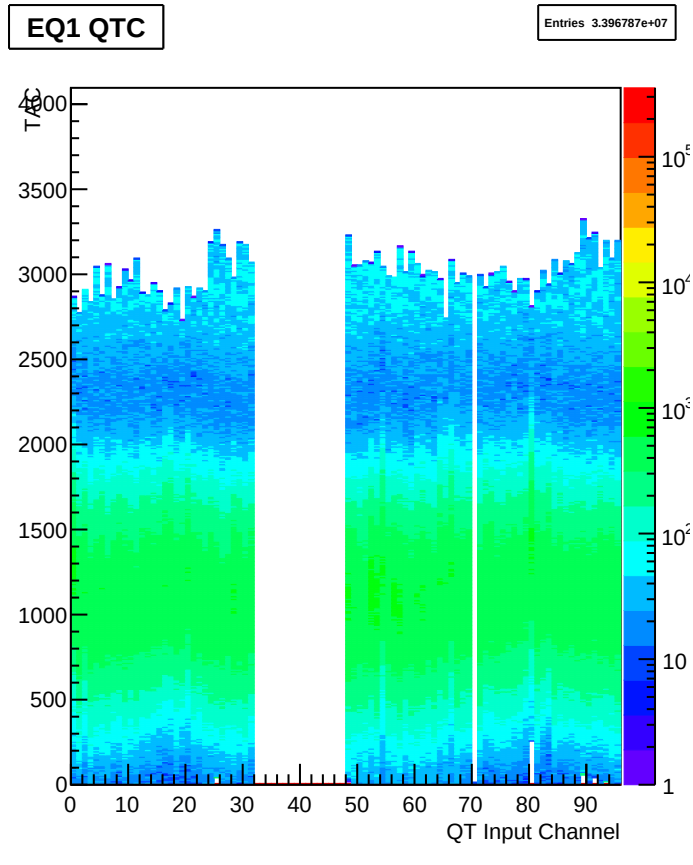

BBQ-VP002 West
Entries 5661312
ADC
QT Input Channel

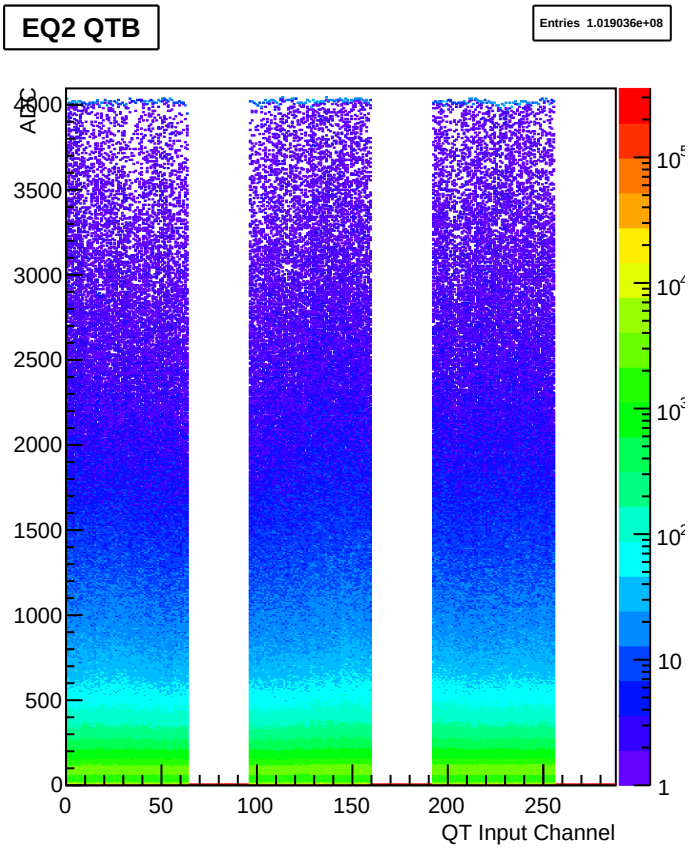

BBQ-VP002 West
Entries 5661312
TADC
QT Input Channel

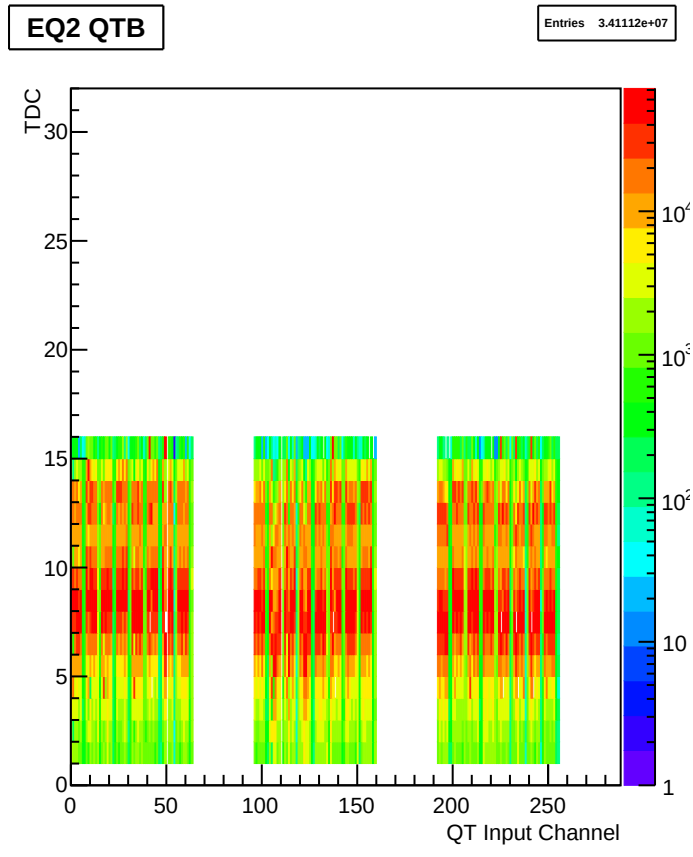

EQ1 QTB
Entries 1.019036e+08
ADC
QT Input Channel

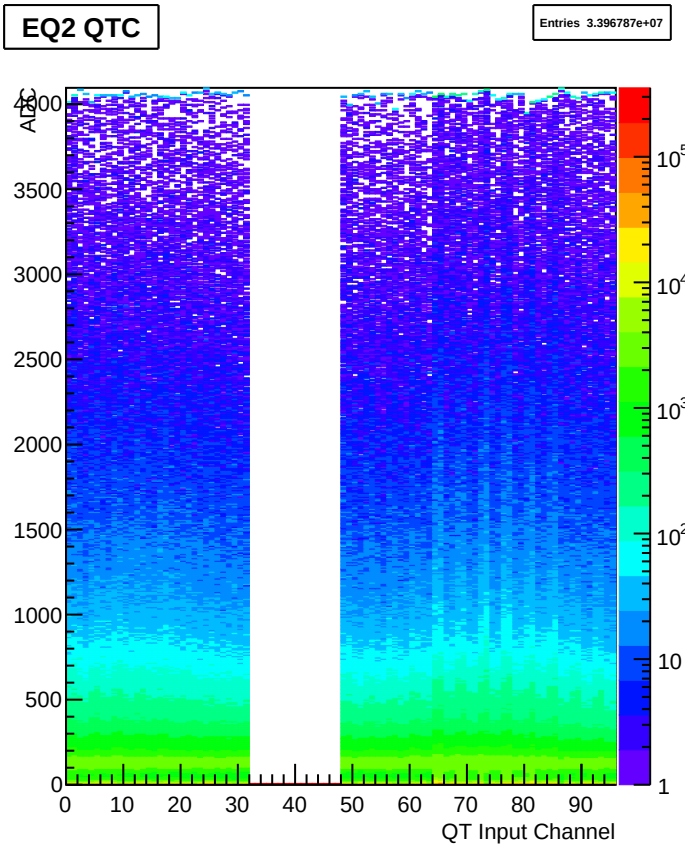

EQ1 QTB
Entries 3.50076e+07
TDC
QT Input Channel

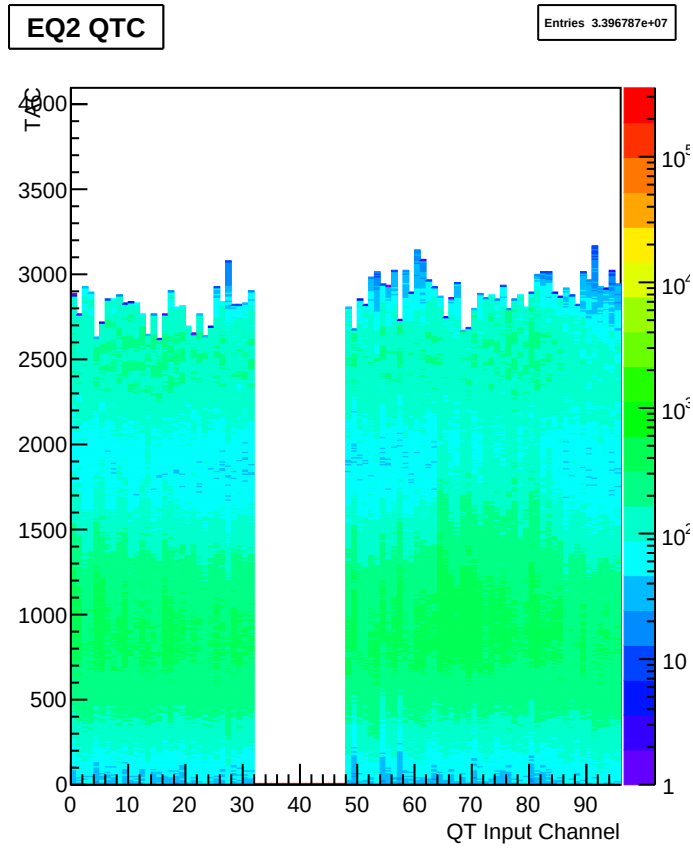

EQ1 QTC
Entries 3.396787e+07
ADC
QT Input Channel

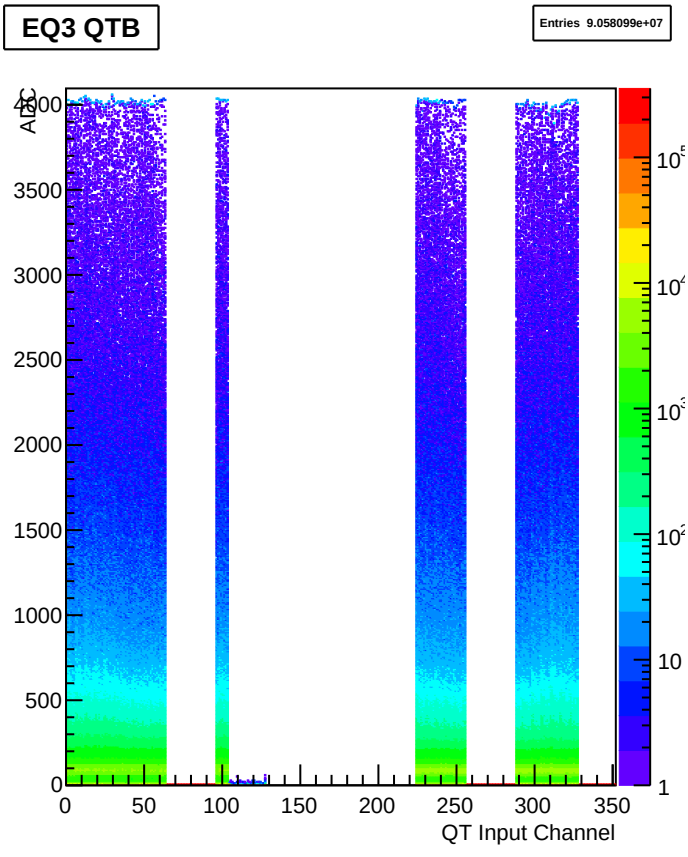

EQ1 QTC
Entries 3.396787e+07
TADC
QT Input Channel

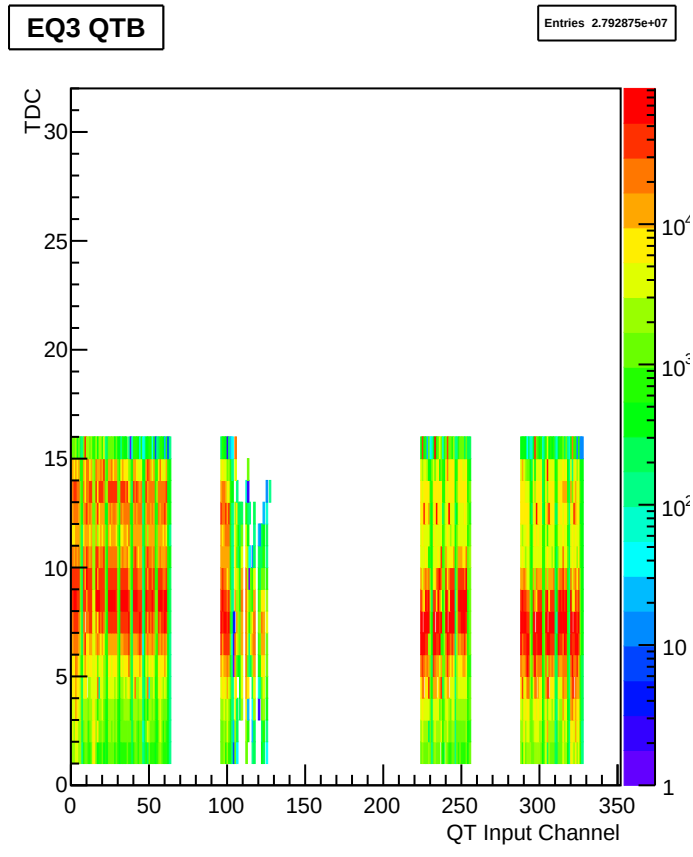

EQ2 QTB
Entries 1.019036e+08
ADC
QT Input Channel

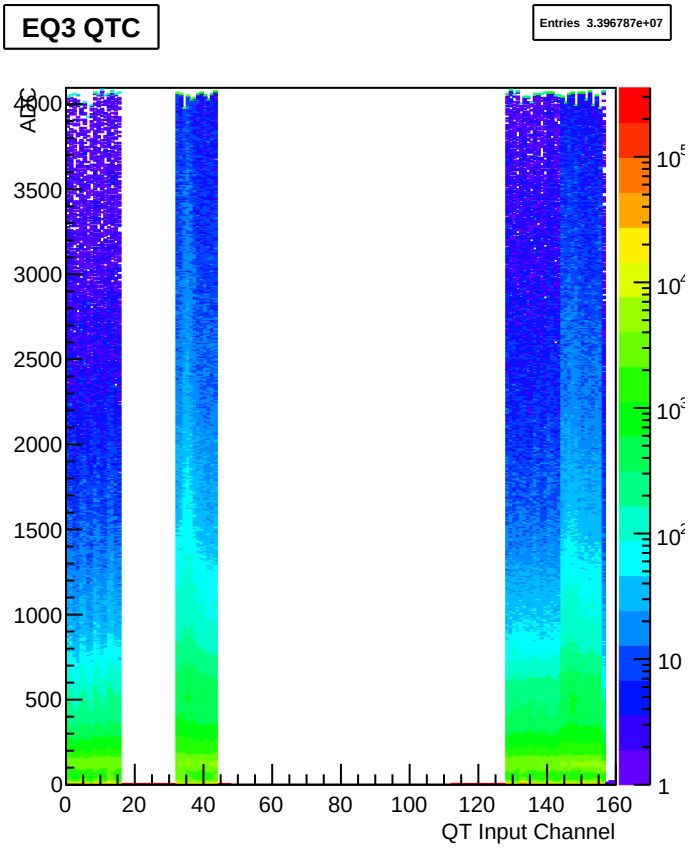

EQ2 QTB
Entries 3.41112e+07
TDC
QT Input Channel

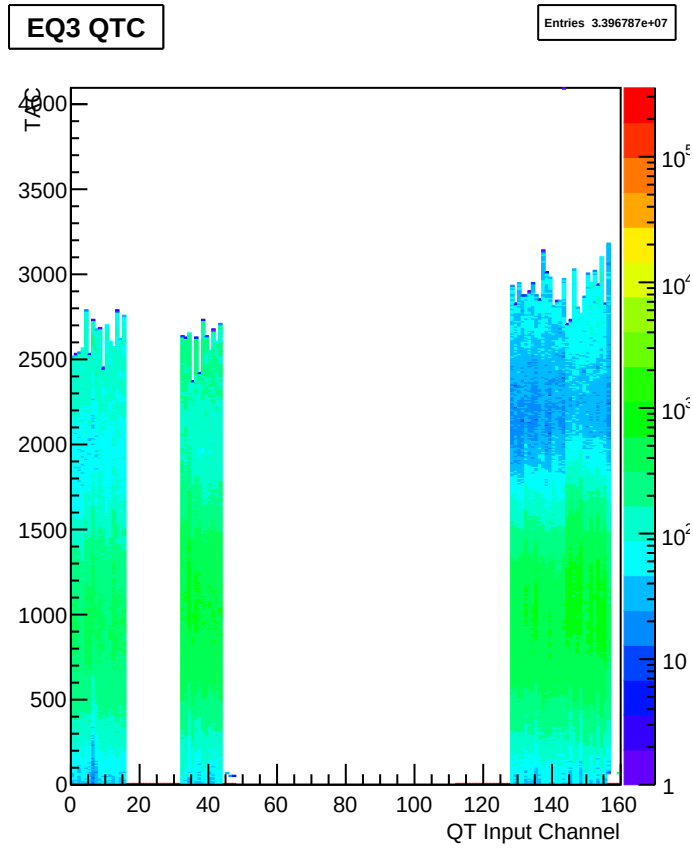

EQ2 QTC
Entries 3.396787e+07
ADC
QT Input Channel

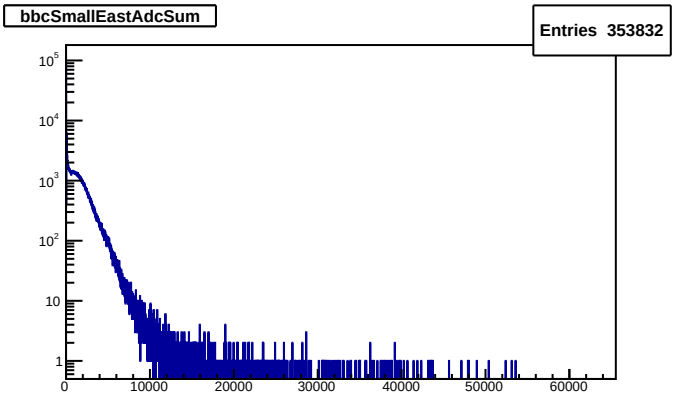

EQ2 QTC
Entries 3.396787e+07
TADC
QT Input Channel

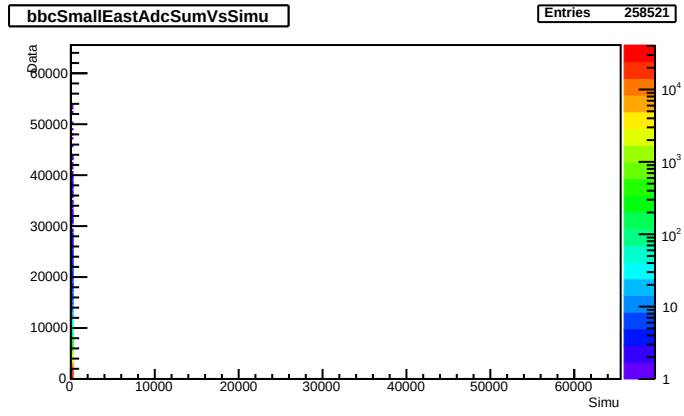

EQ3 QTB
Entries 9.058099e+07
ADC
QT Input Channel

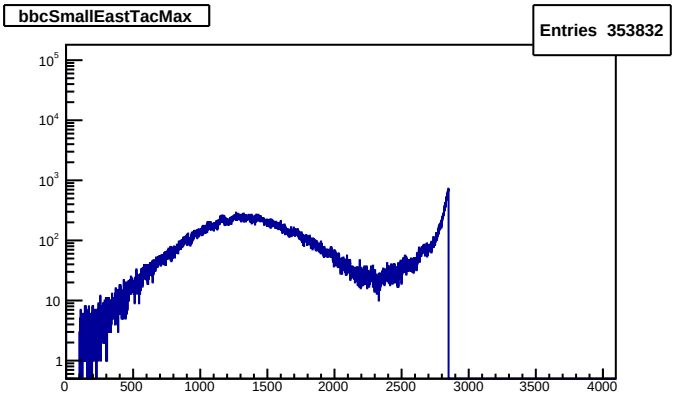

EQ3 QTB
Entries 2.792875e+07
TDC
QT Input Channel

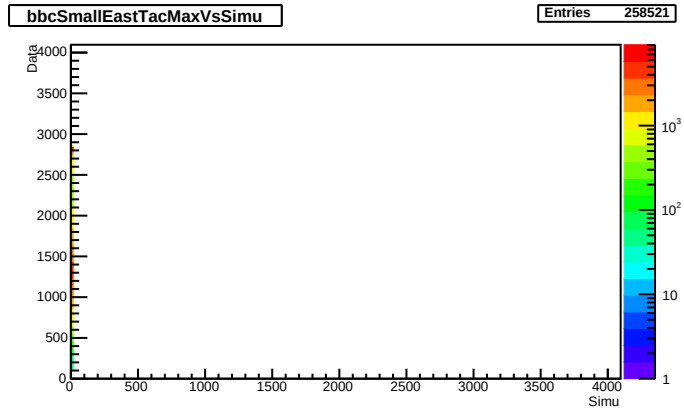

EQ3 QTC
Entries 3.396787e+07
ADC
QT Input Channel

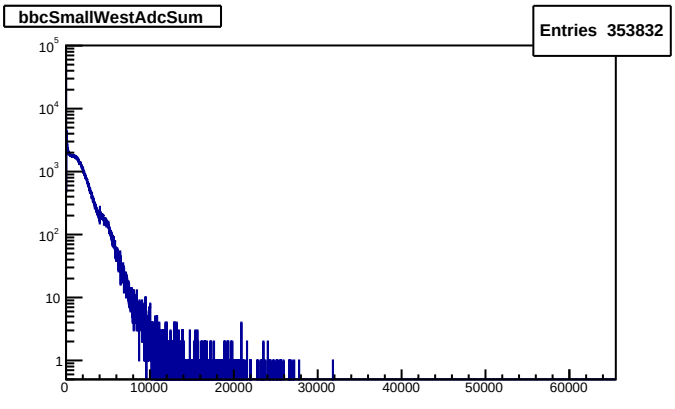

EQ3 QTC
Entries 3.396787e+07
TADC
QT Input Channel

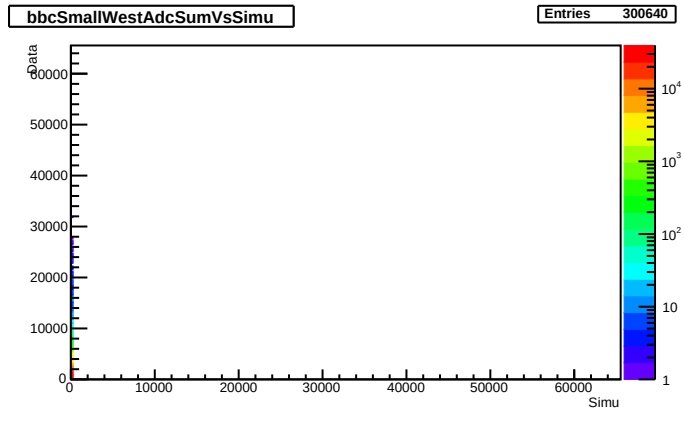

bbcSmallEastAdcSum
Entries 353832


bbcSmallEastAdcSumVsSimu
Entries 258521
Data
Simu


bbcSmallEastTacMax
Entries 353832


bbcSmallEastTacMaxVsSimu
Entries 258521
Data
Simu


bbcSmallWestAdcSum
Entries 353832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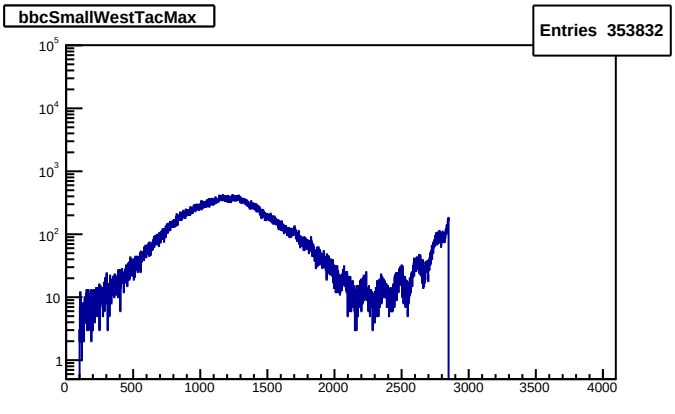
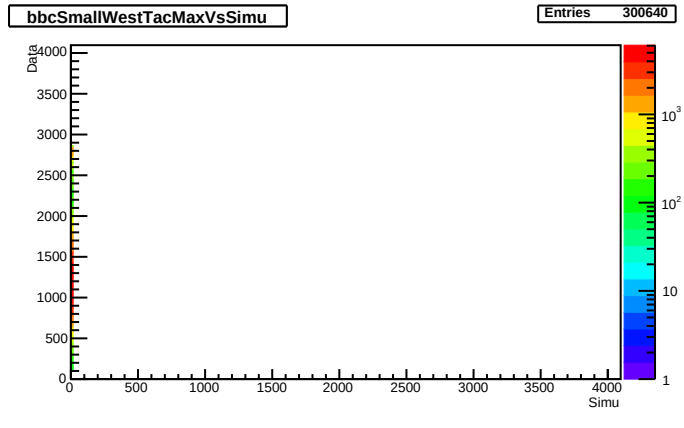
Entries 300640
Data
Simu


bbcSmallWestTacMax
Entries 353832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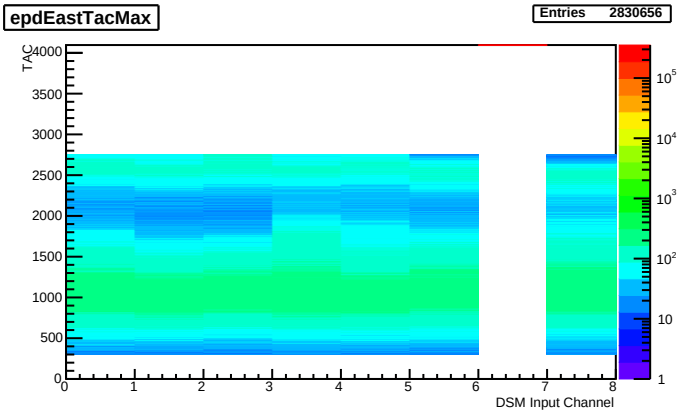
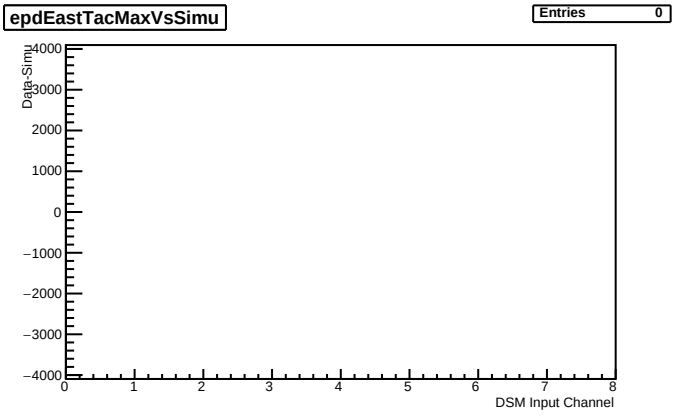
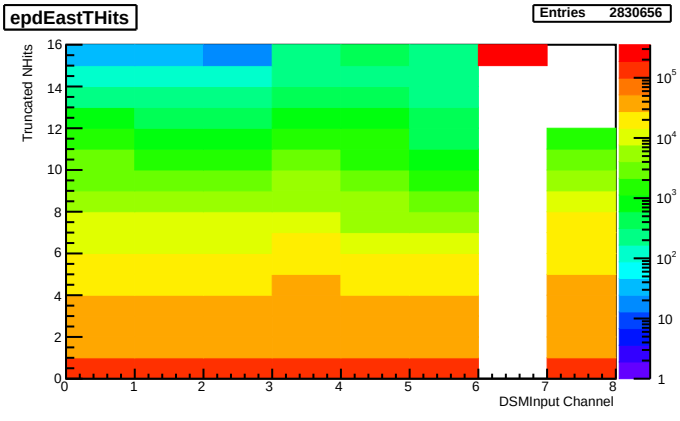
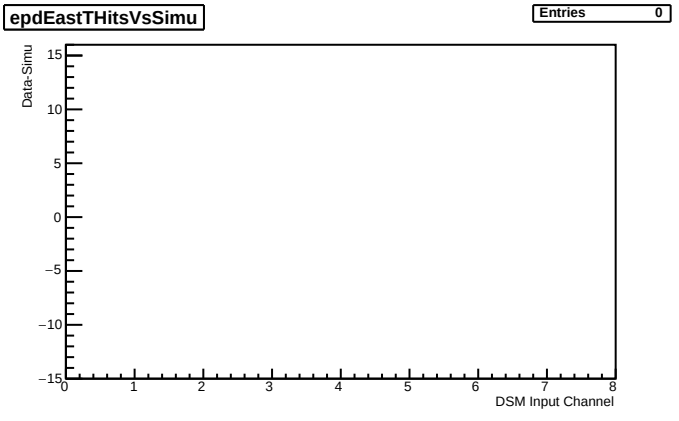
Entries 300640
Data
Simu


epdEastTacMax
Entries 2830656
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2830656
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
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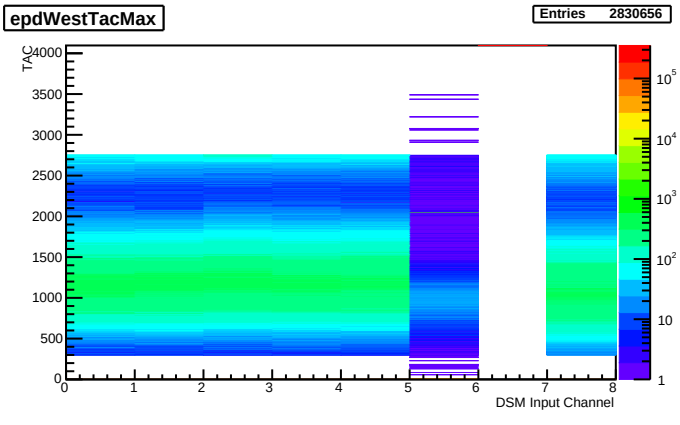
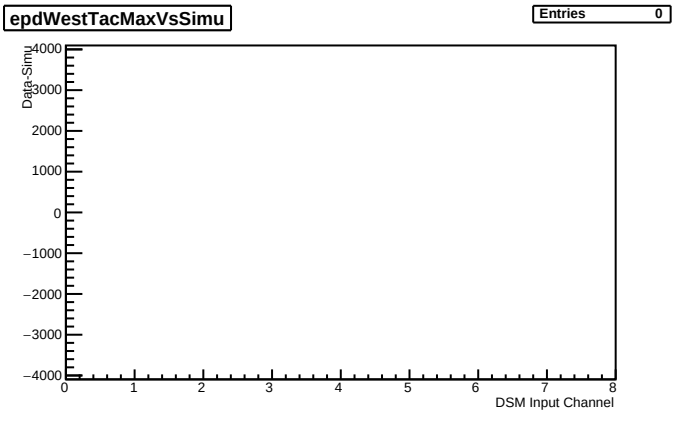
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 2830656
TAC
DSM Input Channel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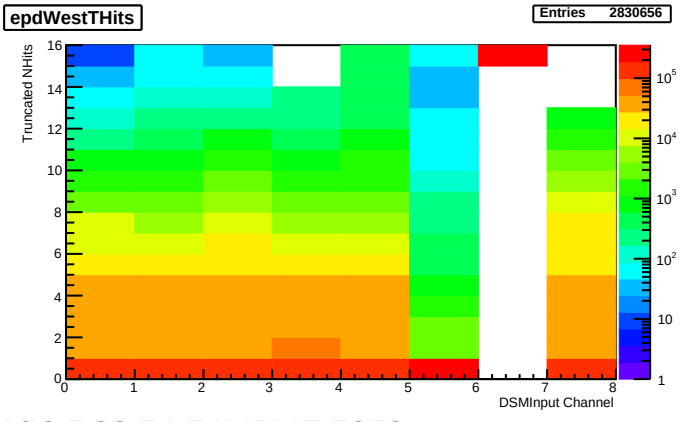
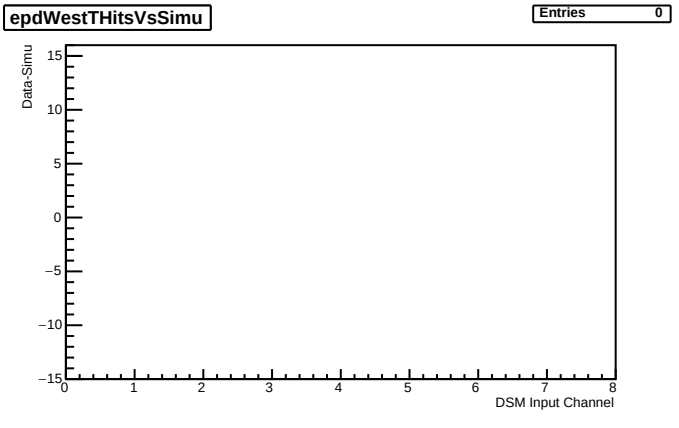
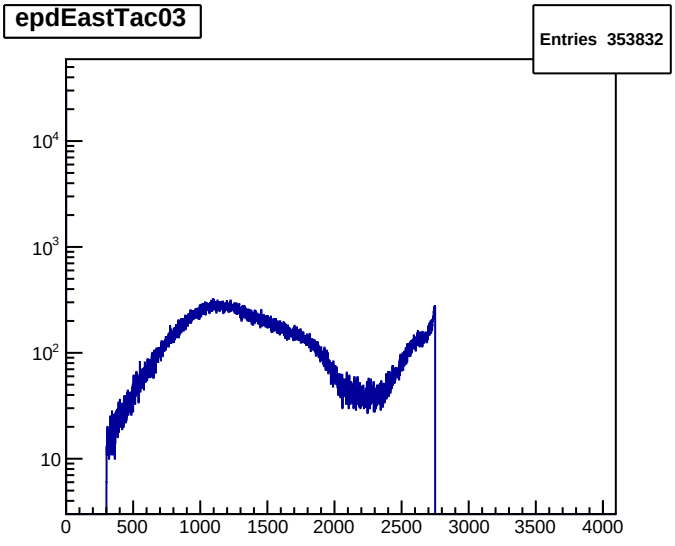
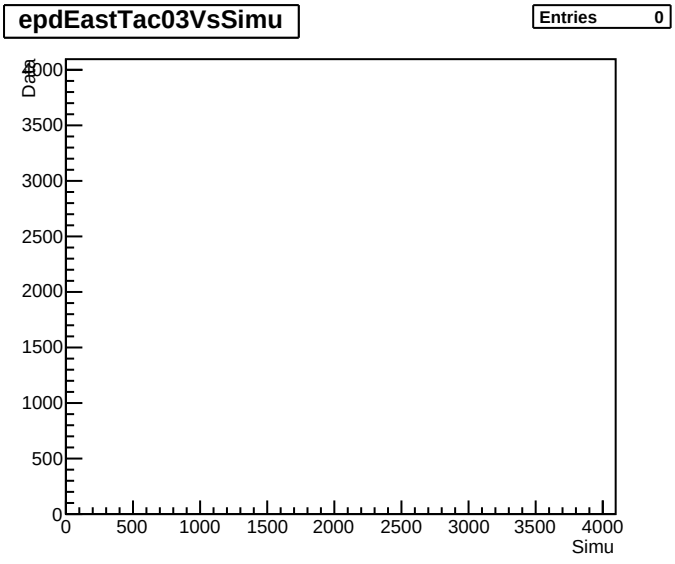
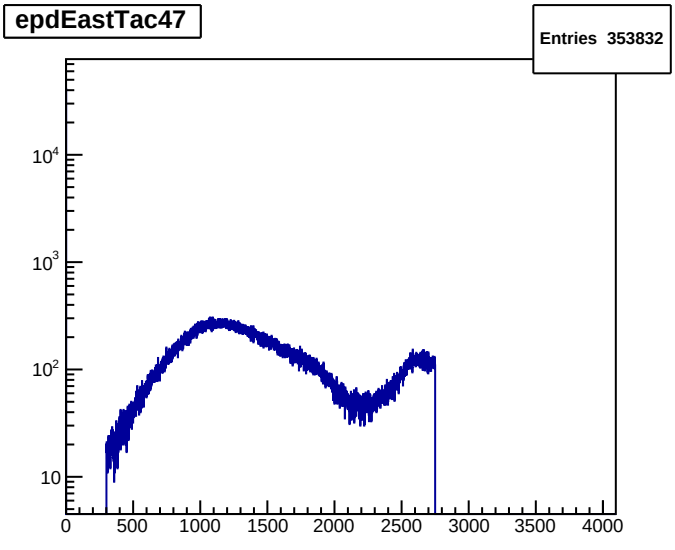
Data-Simu
DSM Input Channel

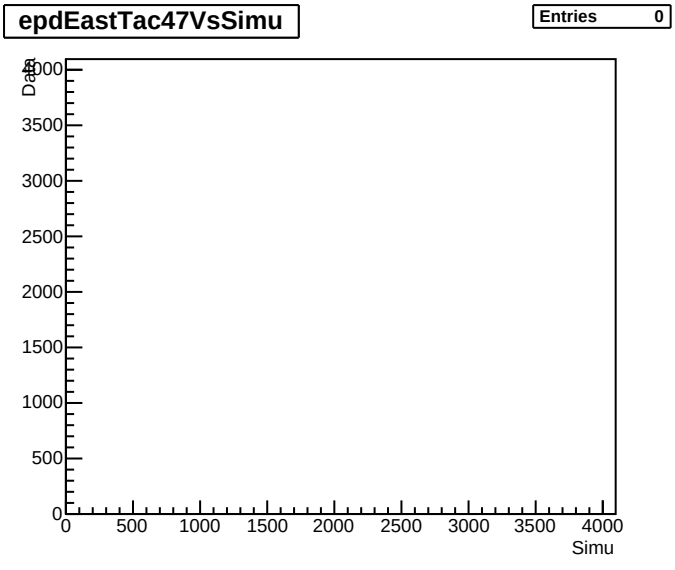

epdWestTHits
Entries 2830656
Truncated NHits
DSMInput Channel

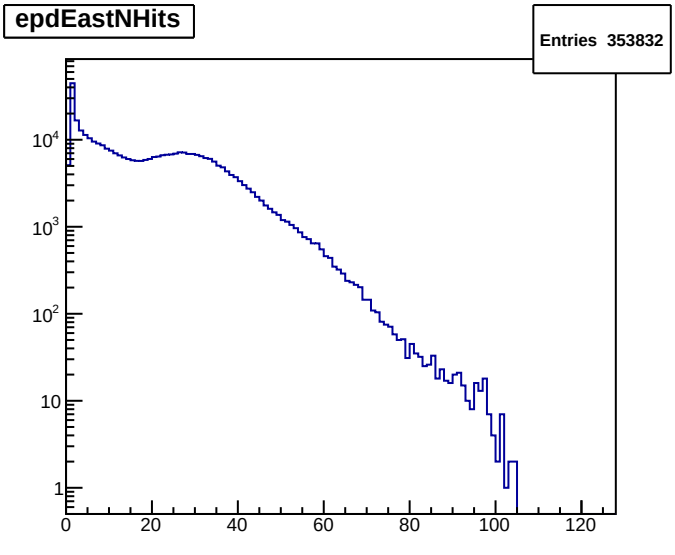

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

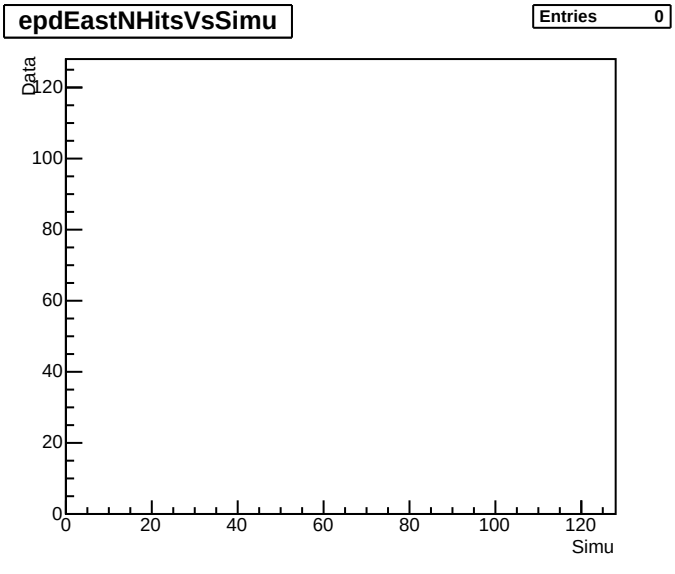

epdEastTac03
Entries 353832


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 353832


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 353832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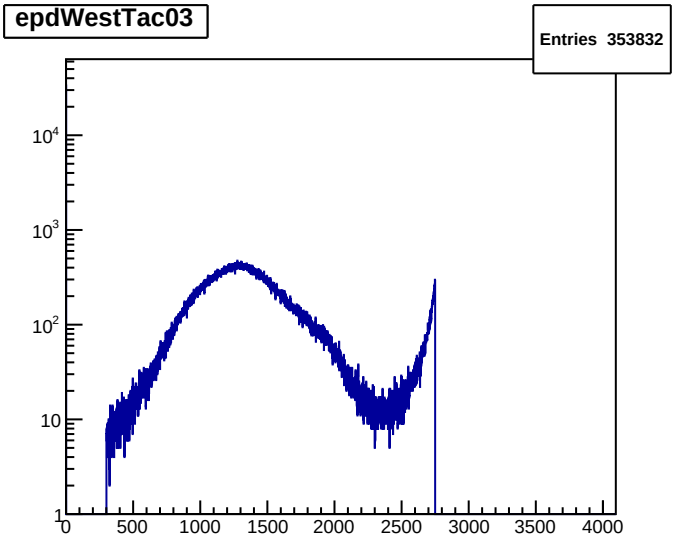
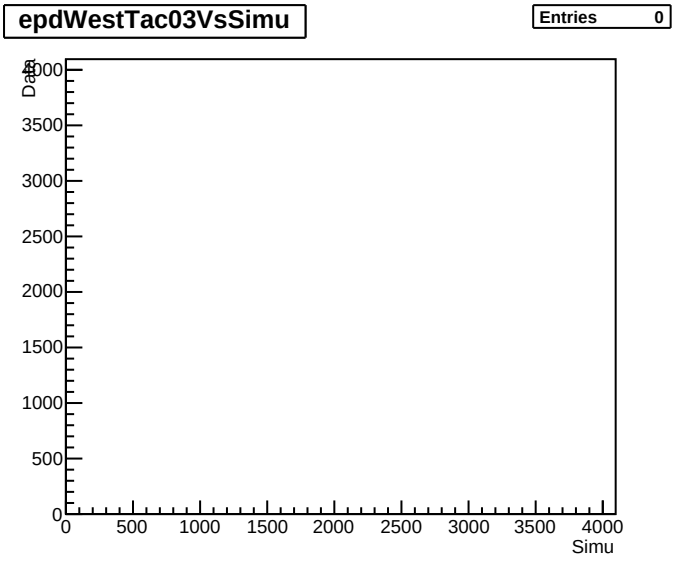
Entries 0
Data
Simu


epdWestTac03
Entries 353832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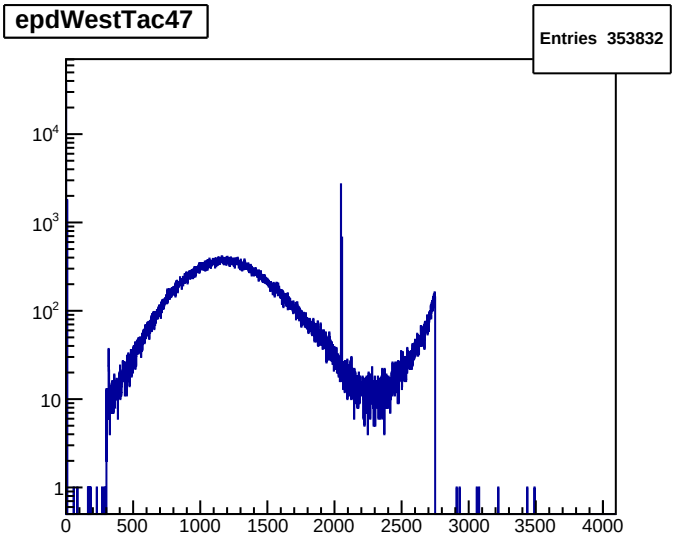
Entries 0
Data
Simu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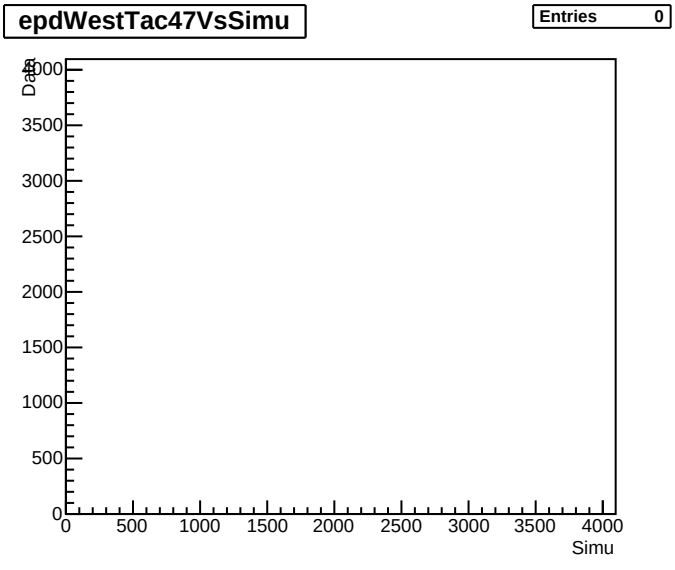
Entries 353832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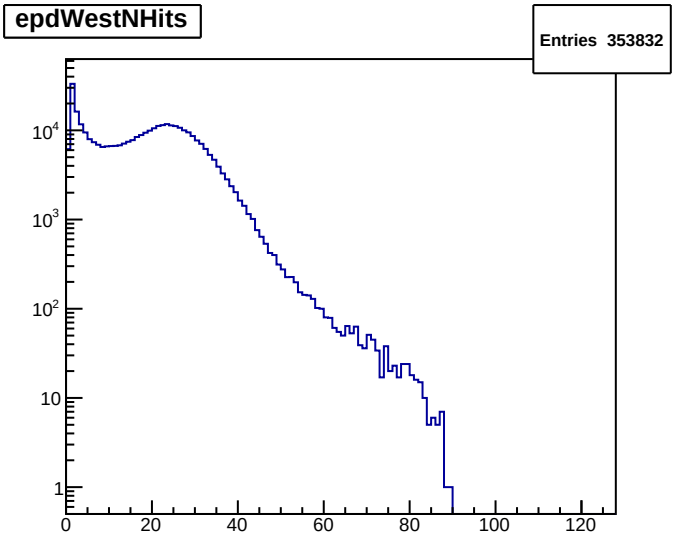
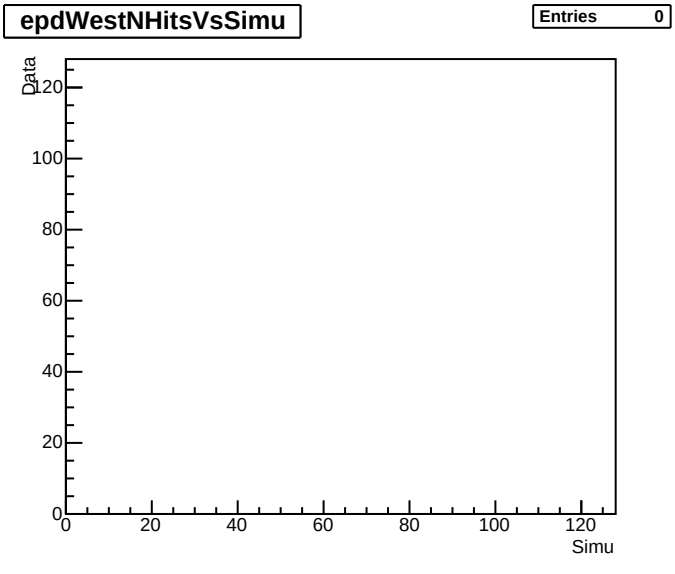
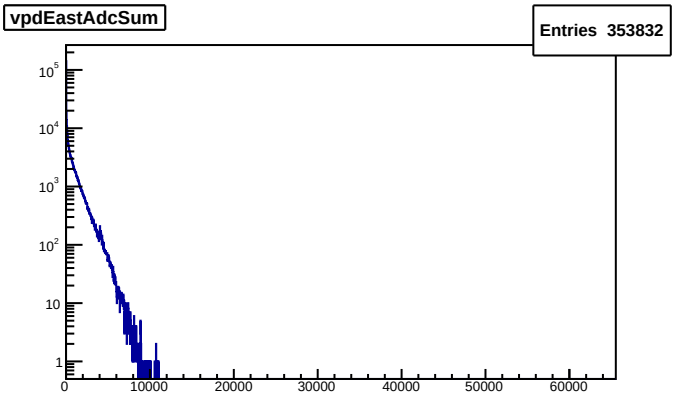
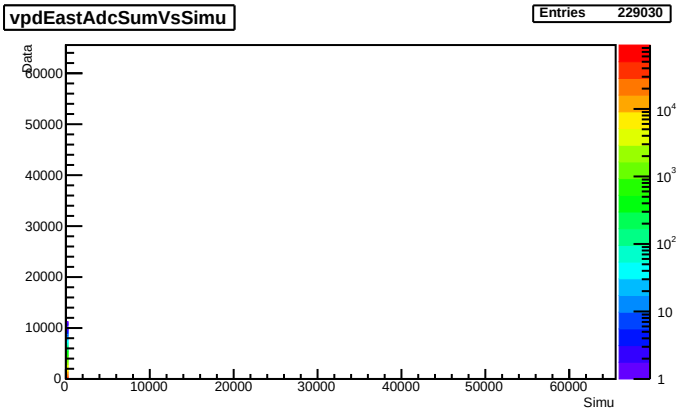
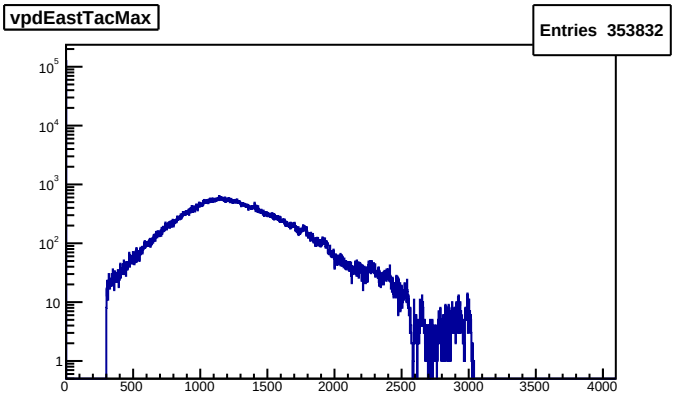
Entries 0
Data
Simu

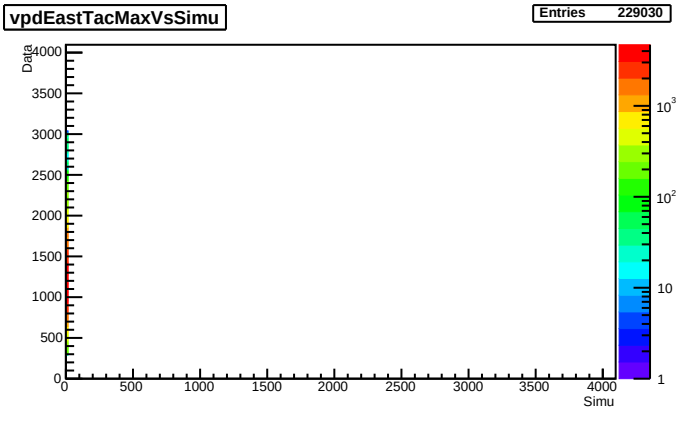

epdWestNHits
Entries 353832

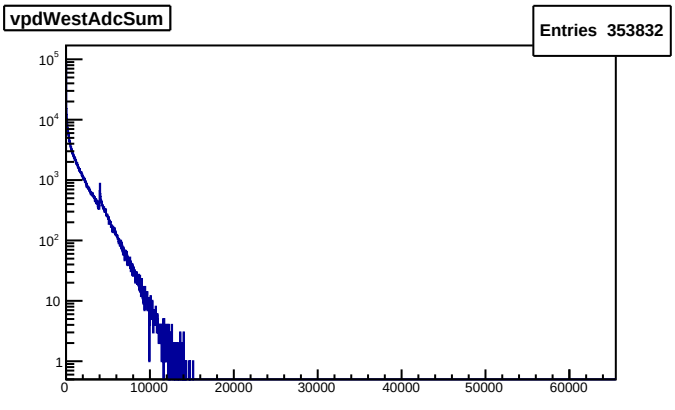

epdWestNHitsVsSimu
Entries 0
Data
Simu

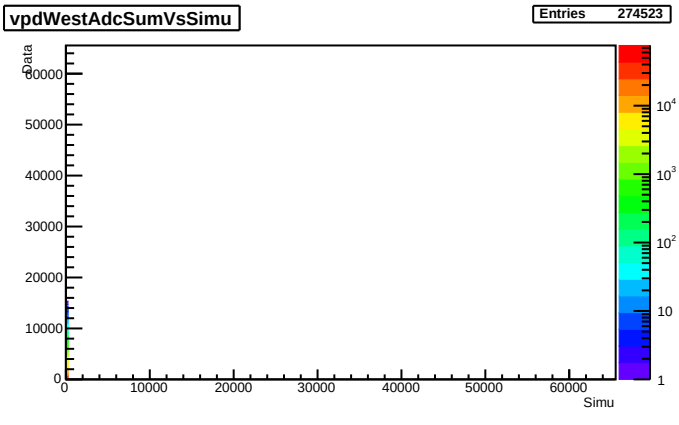

vpdEastAdcSum
Entries 353832

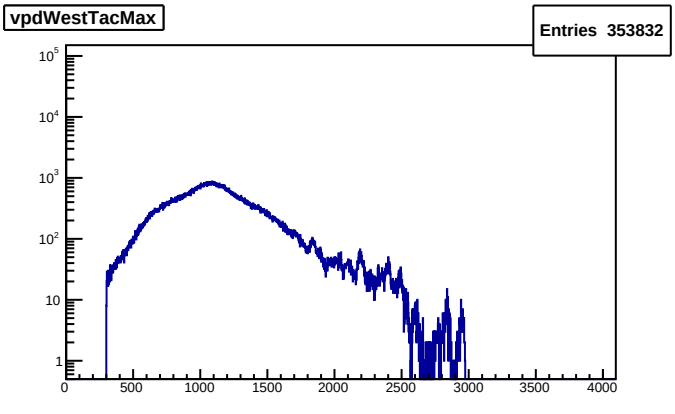

vpdEastAdcSumVsSimu
Entries 229030
Data
Simu

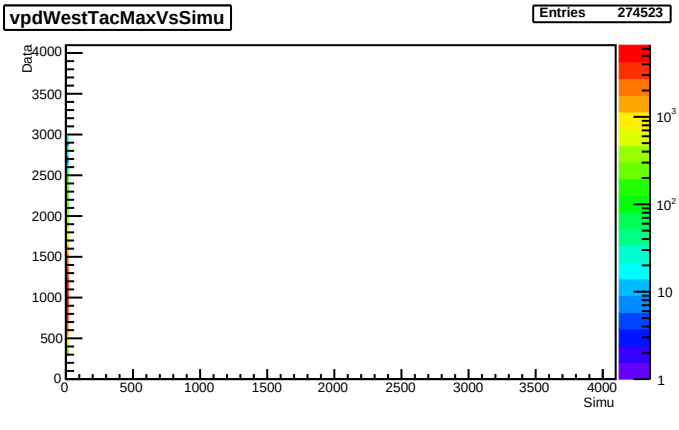

vpdEastTacMax
Entries 353832

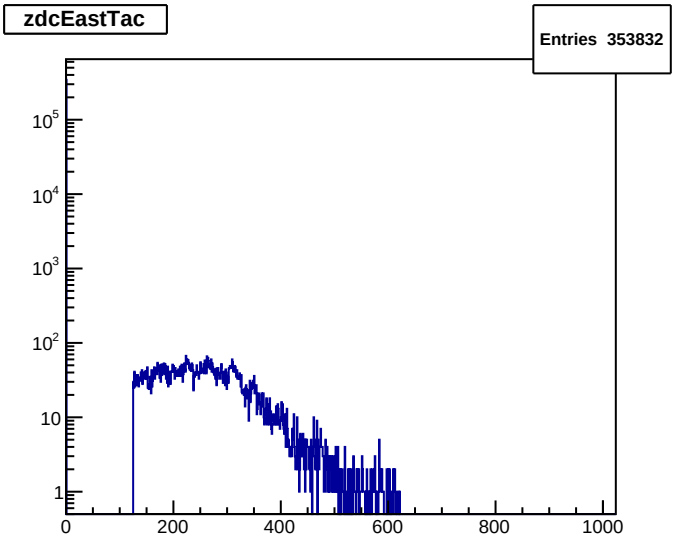

vpdEastTacMaxVsSimu
Entries 229030
Data
Simu

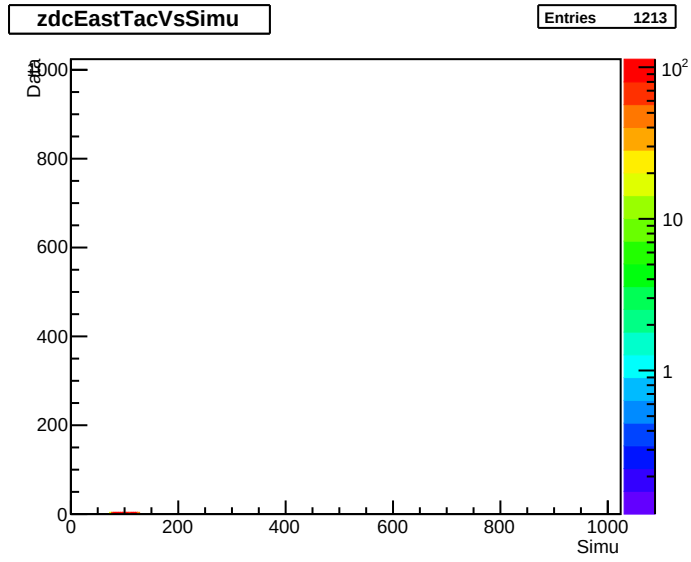

vpdWestAdcSum
Entries 353832

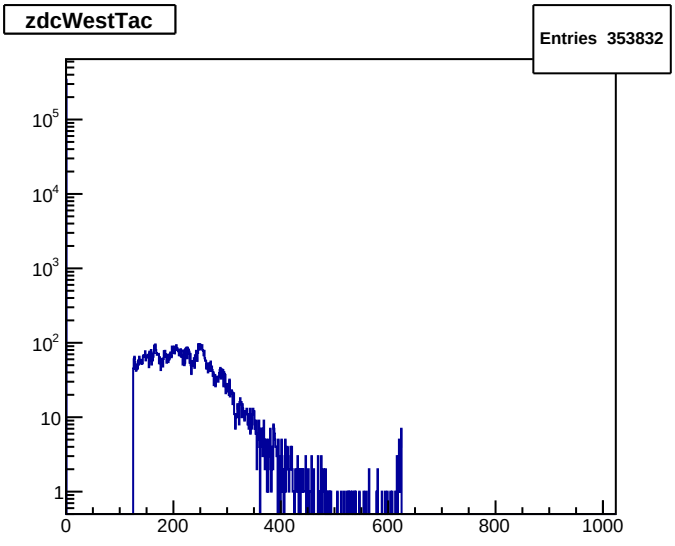

vpdWestAdcSumVsSimu
Entries 274523
Data
Simu

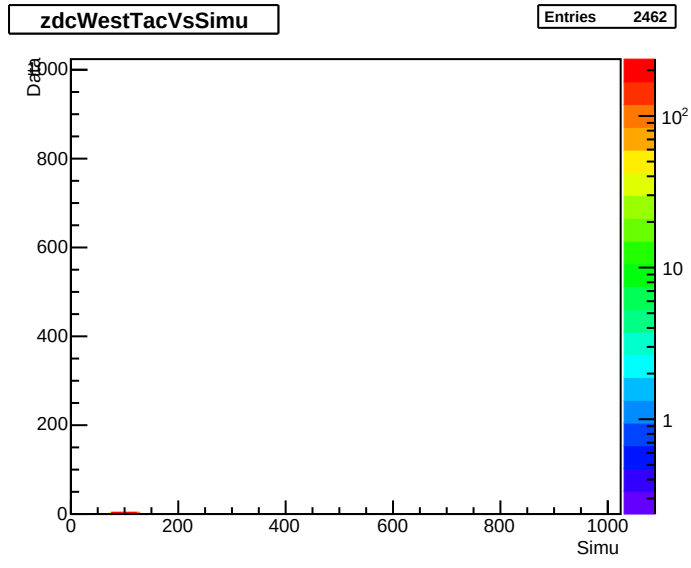

vpdWestTacMax
Entries 353832

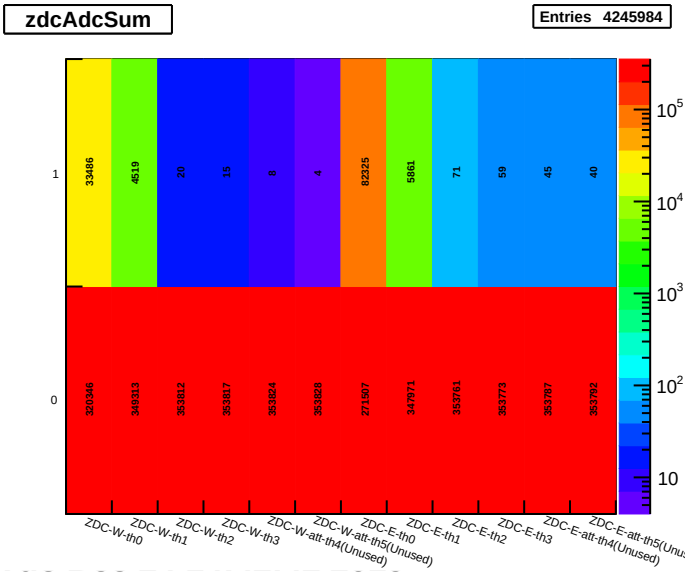

vpdWestTacMaxVsSimu
Entries 274523
Data
Simu

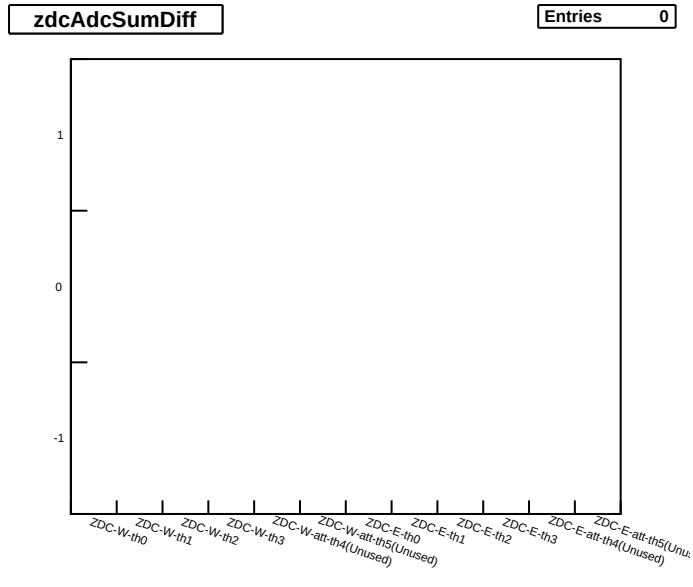

zdcEastTac
Entries 353832

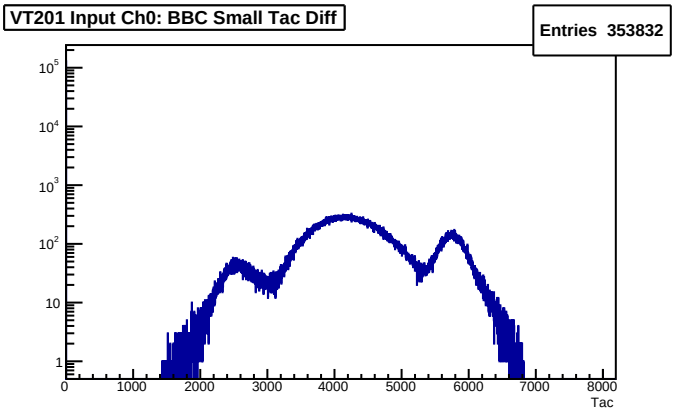

zdcEastTacVsSimu
Entries 1213
Data
Simu

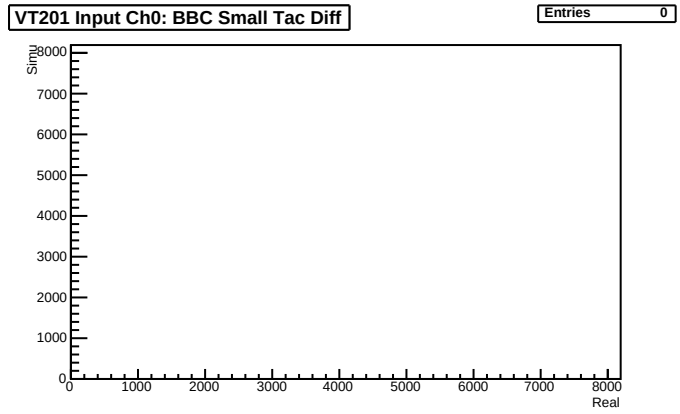

zdcWestTac
Entries 353832

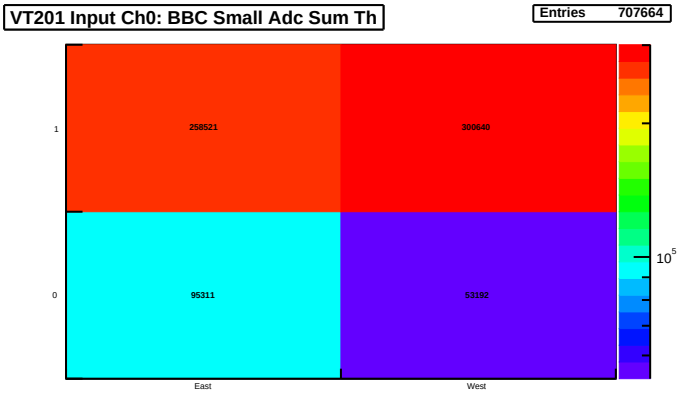

zdcWestTacVsSimu
Entries 2462
Data
Simu

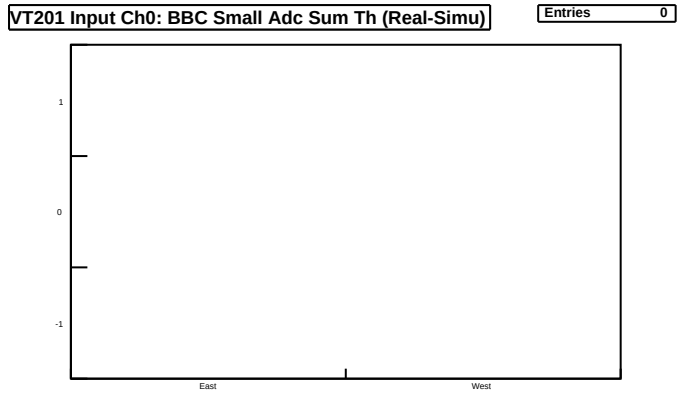

zdcAdcSum
Entries 4245984
33486
4519
20
15
8
4
82225
5861
71
59
45
40
320346
349313
353812
353817
353824
353828
271507
347971
353761
353773
353787
353792
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

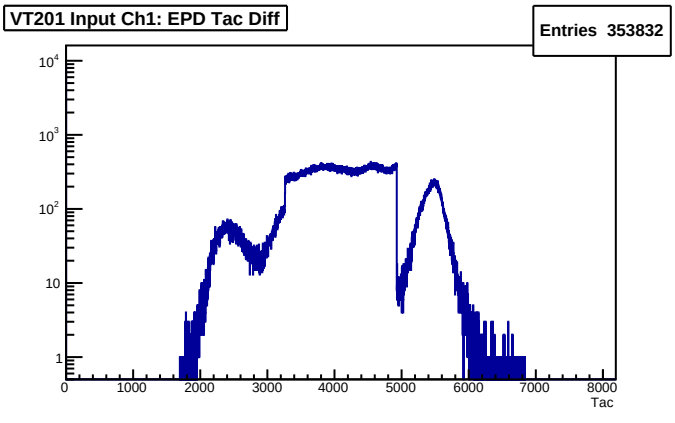

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

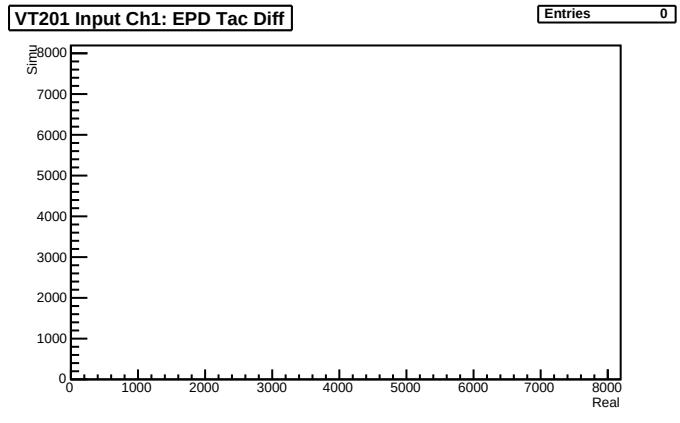

VT201 Input Ch0: BBC Small Tac Diff
Entries 353832
Tac

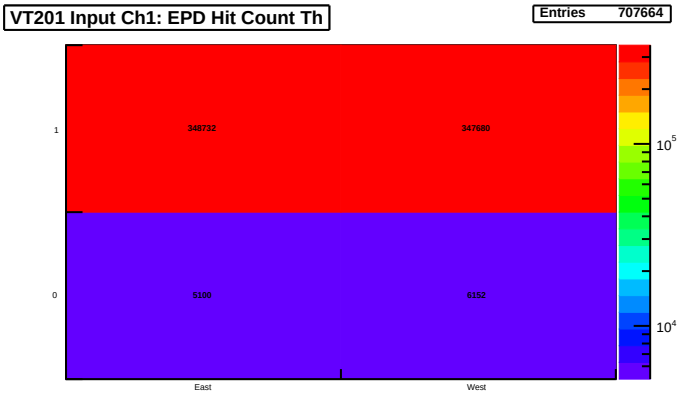

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

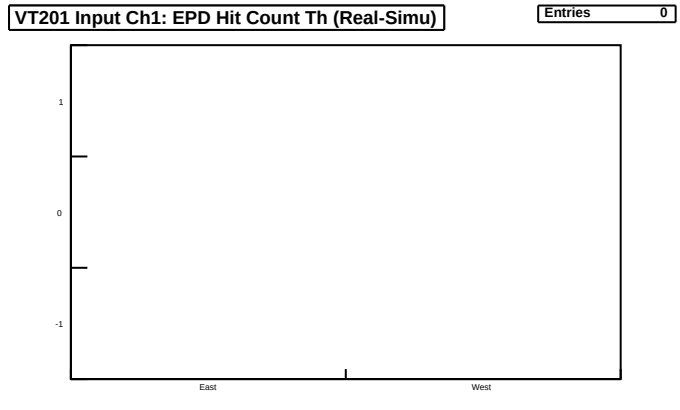

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 707664
258521
300640
95311
53192
East
West

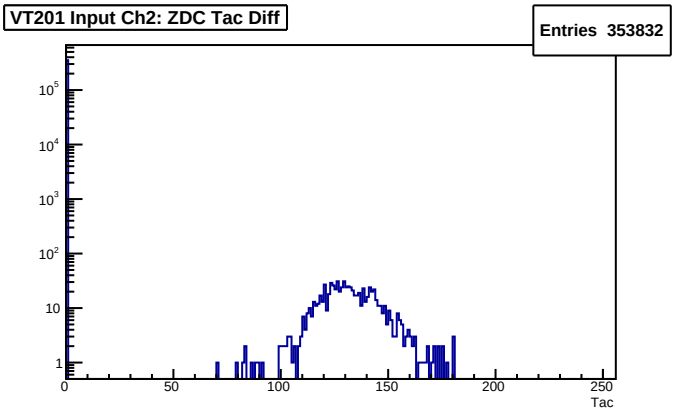

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

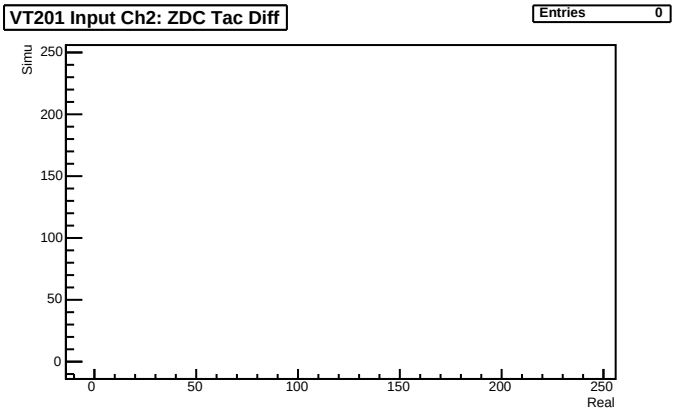

VT201 Input Ch1: EPD Tac Diff
Entries 353832
Tac

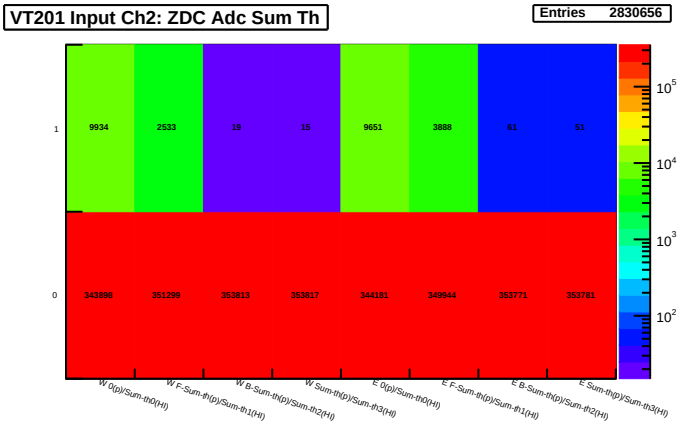

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

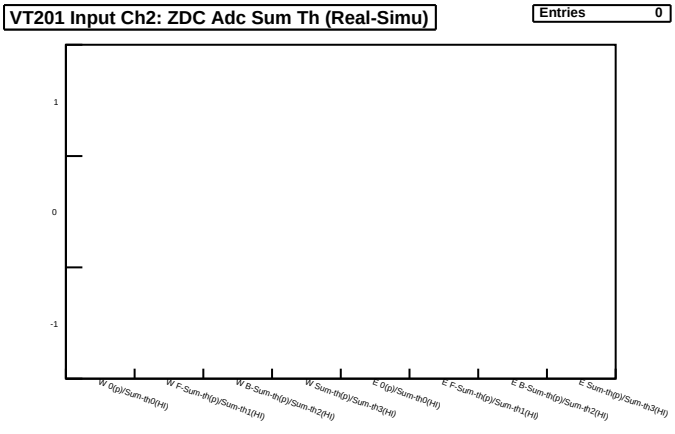

VT201 Input Ch1: EPD Hit Count Th
Entries 707664
348732
347680
5100
6152
East
West

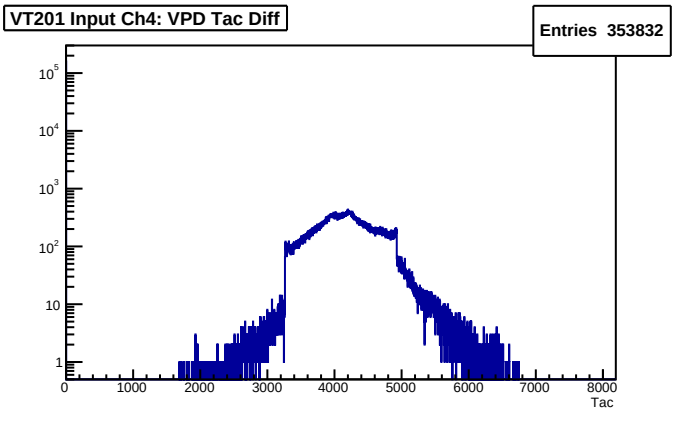

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

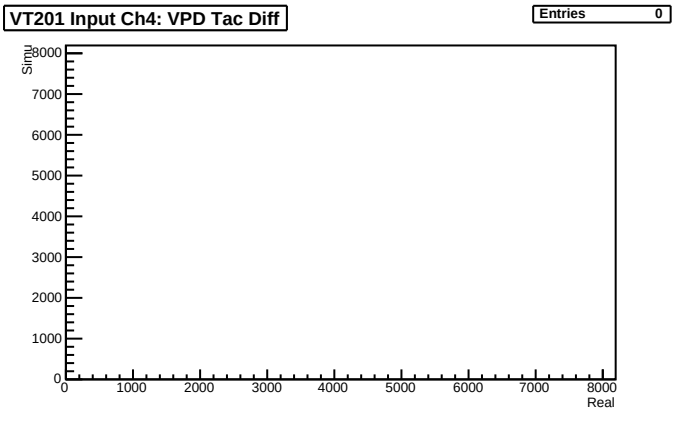

VT201 Input Ch2: ZDC Tac Diff
Entries 353832
Tac

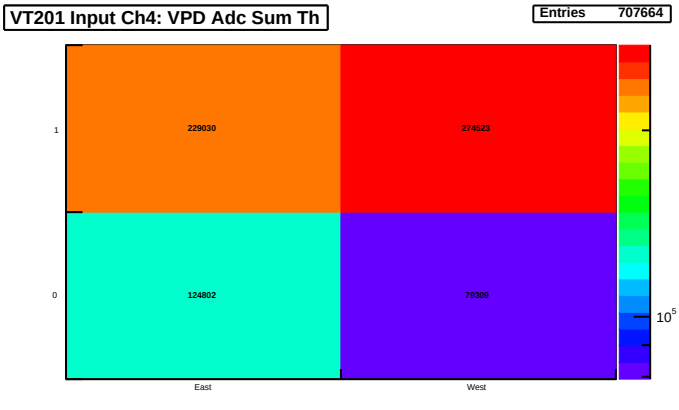

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

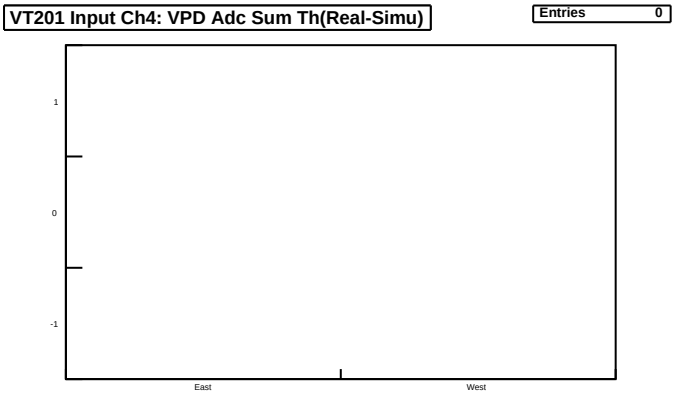

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2830656
9934
2533
19
15
9651
3888
61
51
343898
351299
353813
353817
344181
349944
353771
353781
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

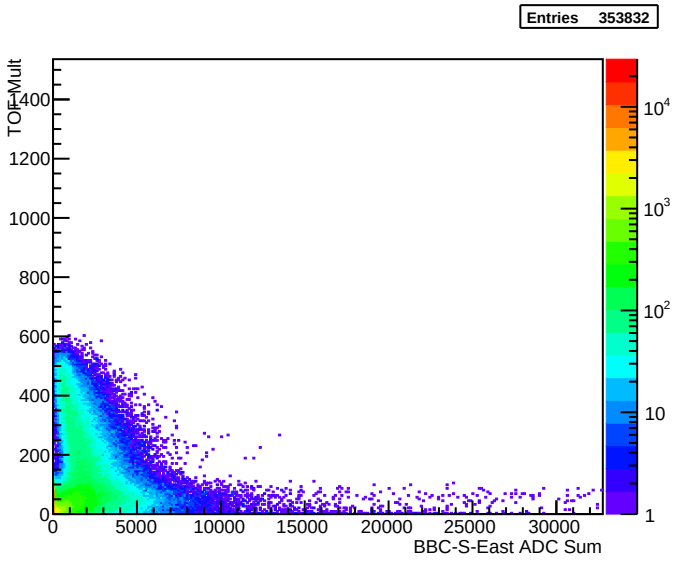

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

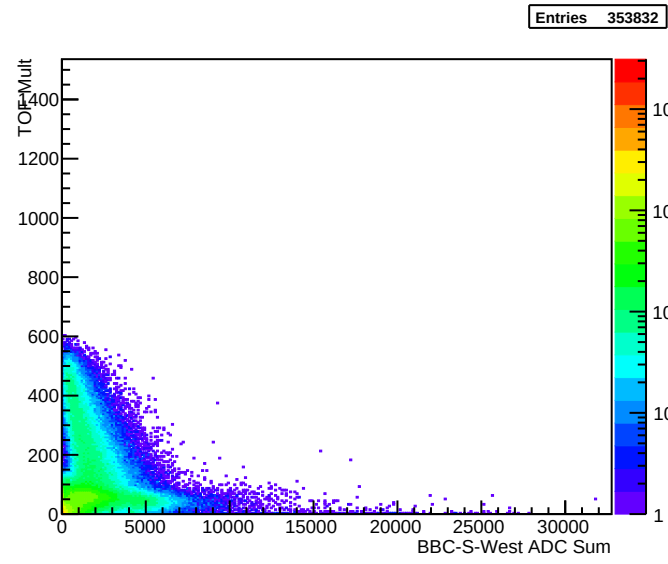

VT201 Input Ch4: VPD Tac Diff
Entries 353832
Tac

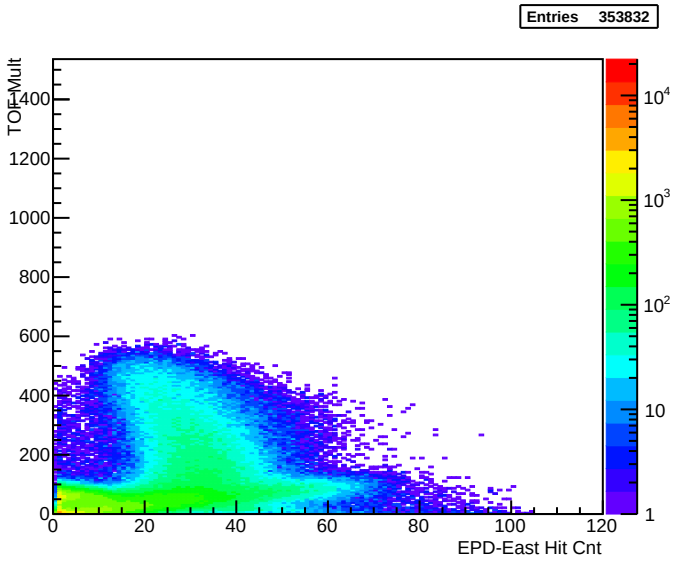

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

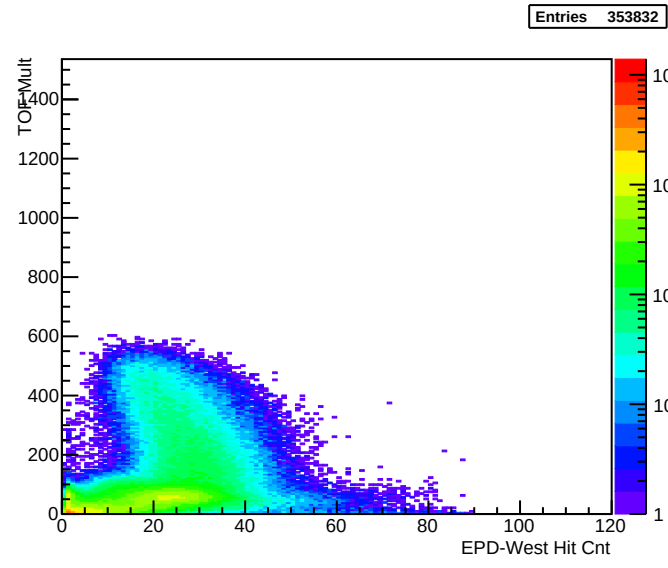

VT201 Input Ch4: VPD Adc Sum Th
Entries 707664
229030
274523
124802
79309
East
West

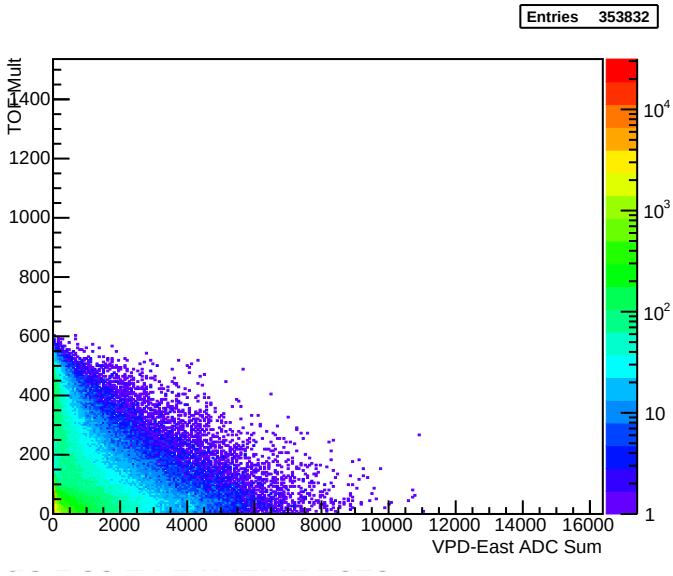

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

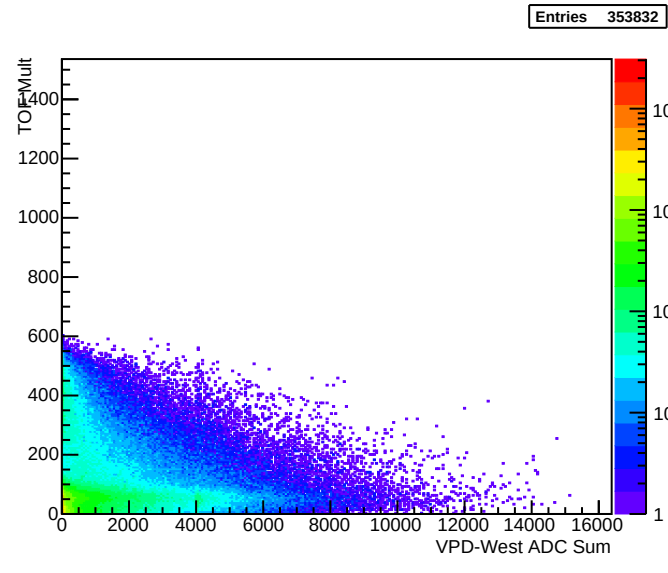

Entries 353832
TOF-Mult
BBC-S-East ADC Sum

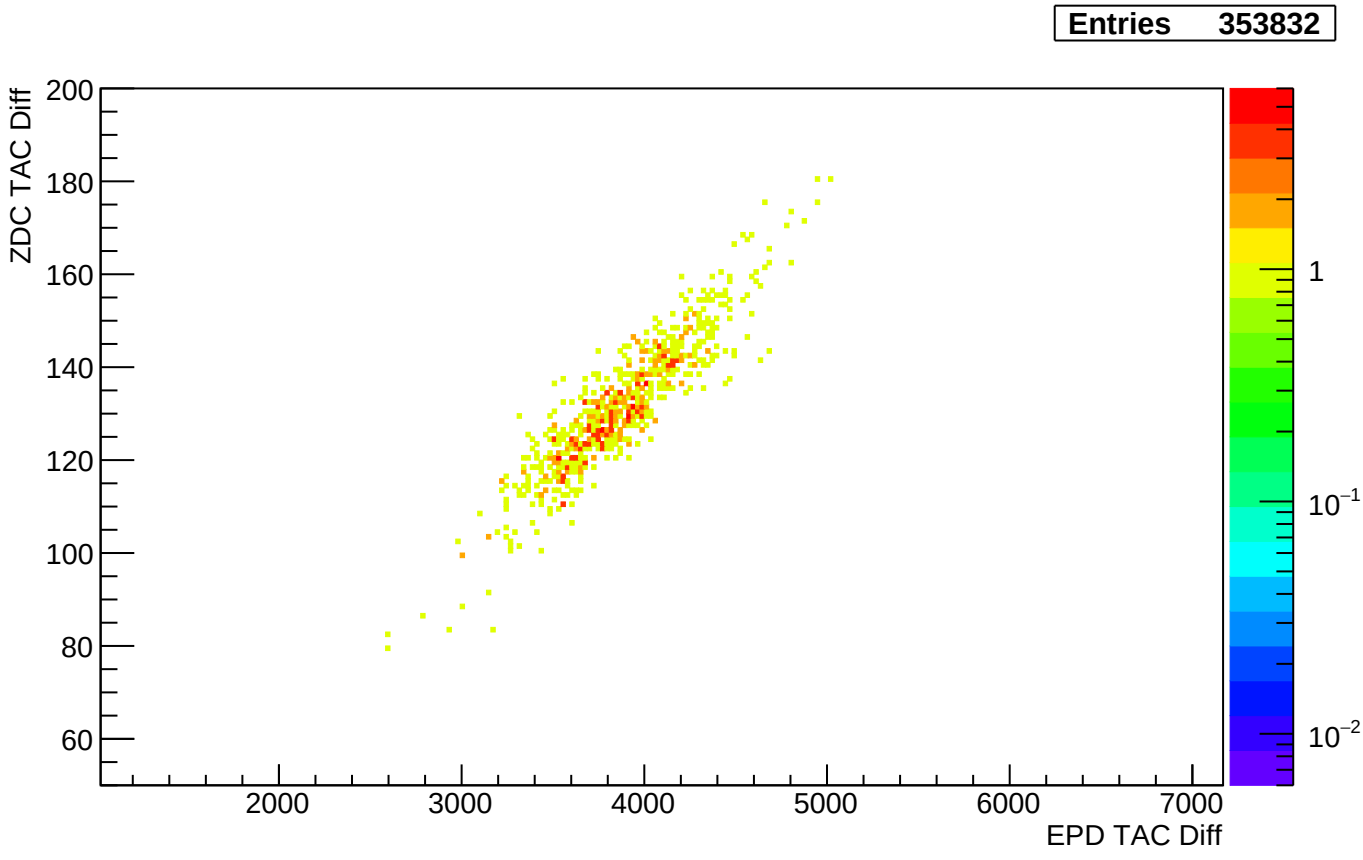

Entries 353832
TOF-Mult
BBC-S-West ADC Sum

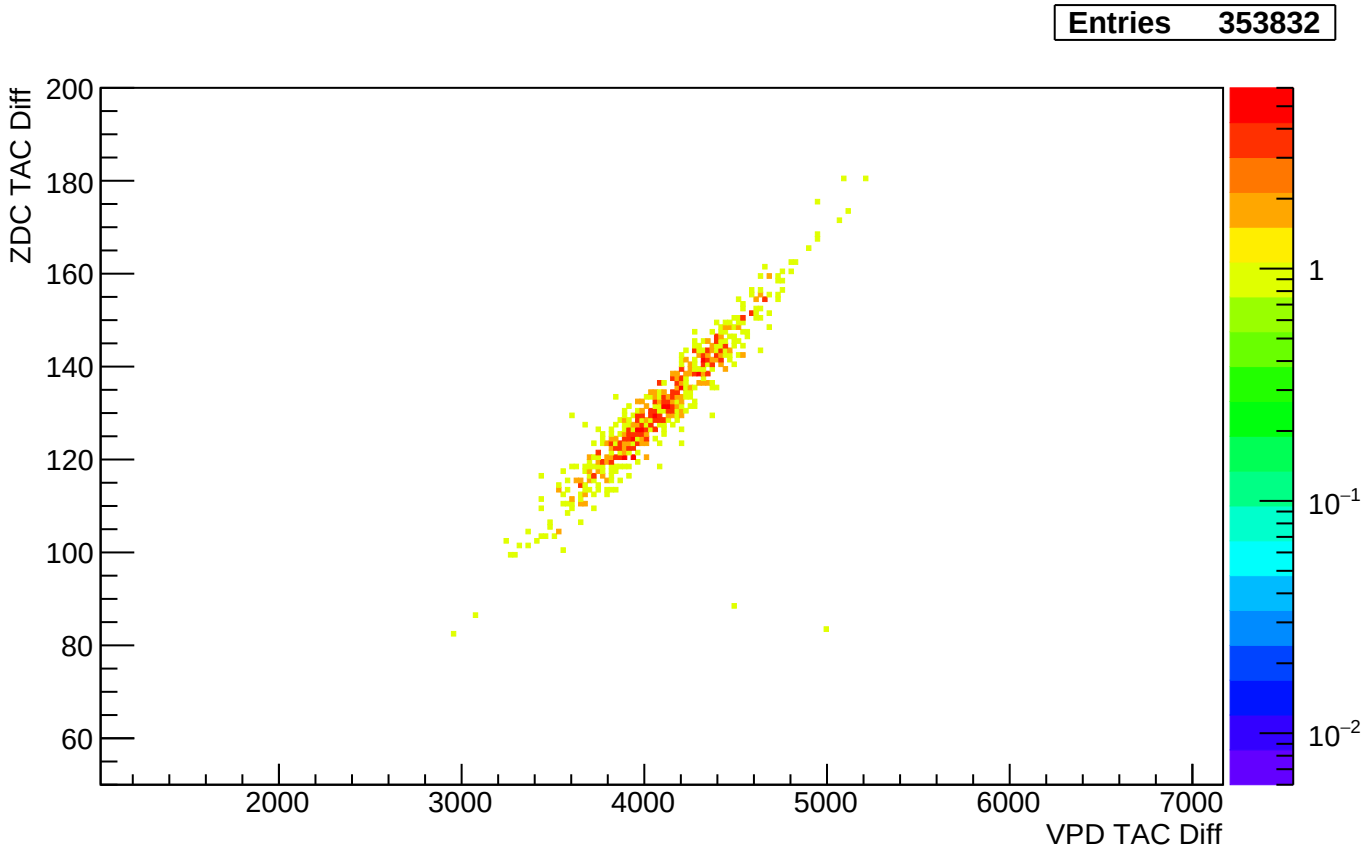

Entries 353832
TOF-Mult
EPD-East Hit Cnt

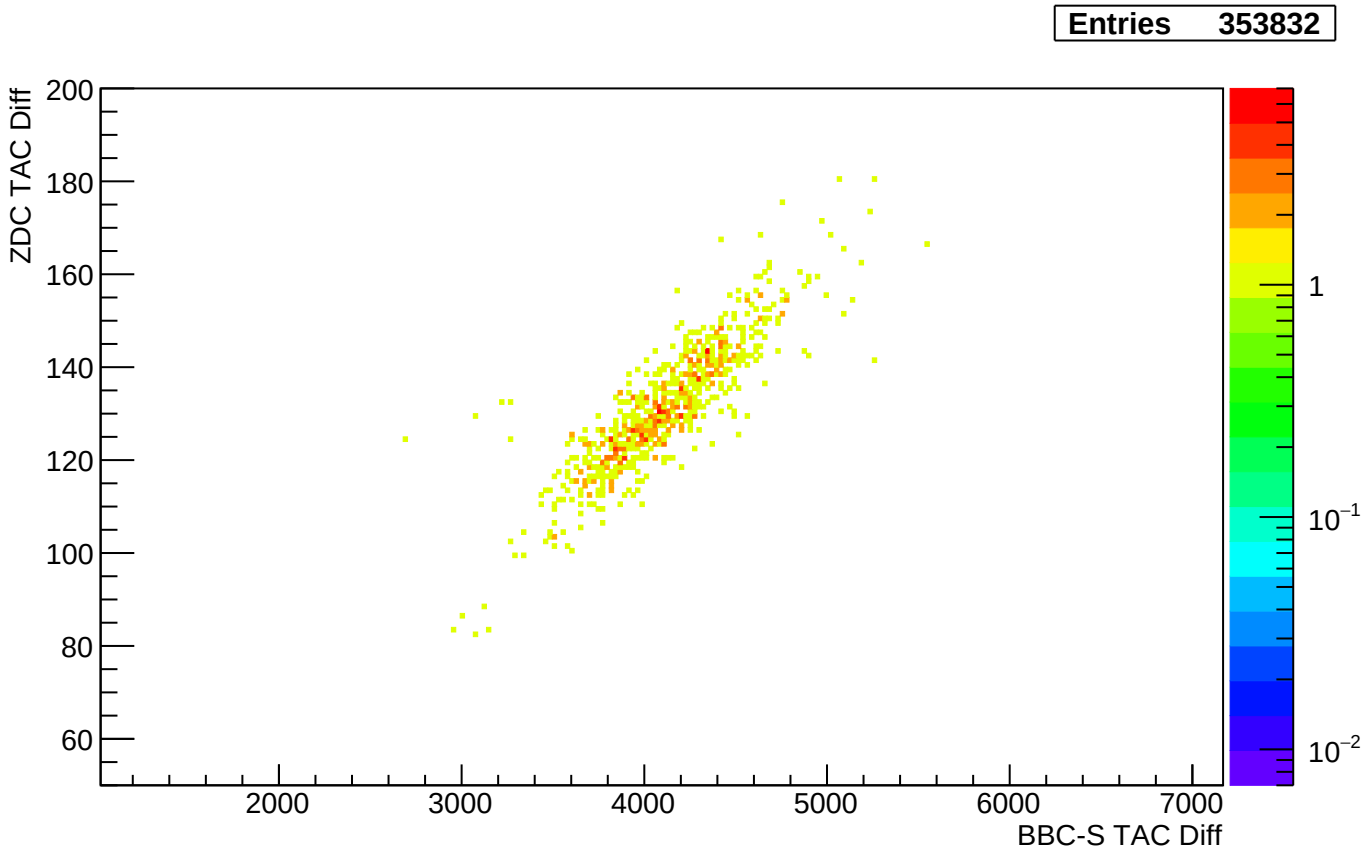

Entries 353832
TOF-Mult
EPD-West Hit Cnt

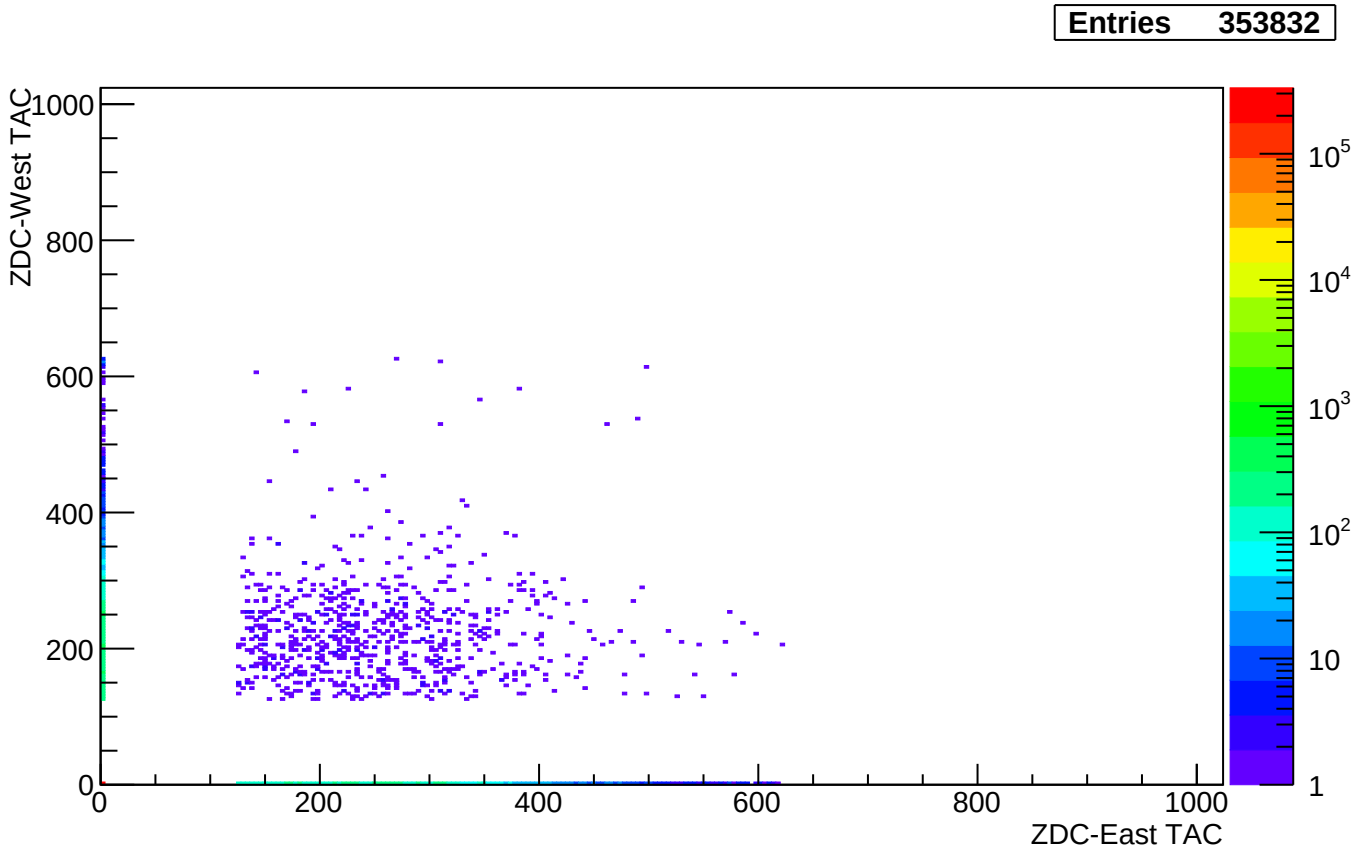

Entries 353832
TOF-Mult
VPD-East ADC Sum

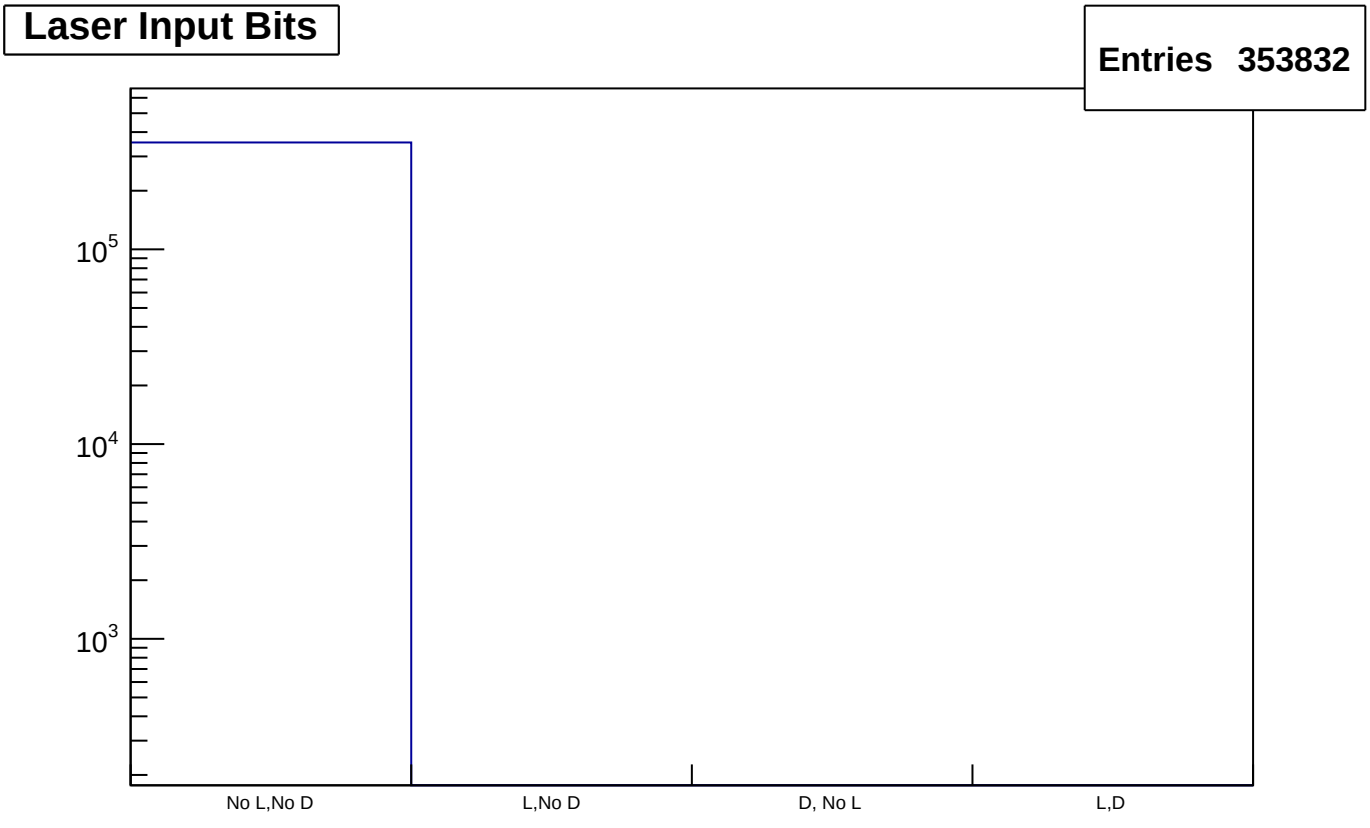

Entries 353832
TOF-Mult
VPD-West ADC Sum

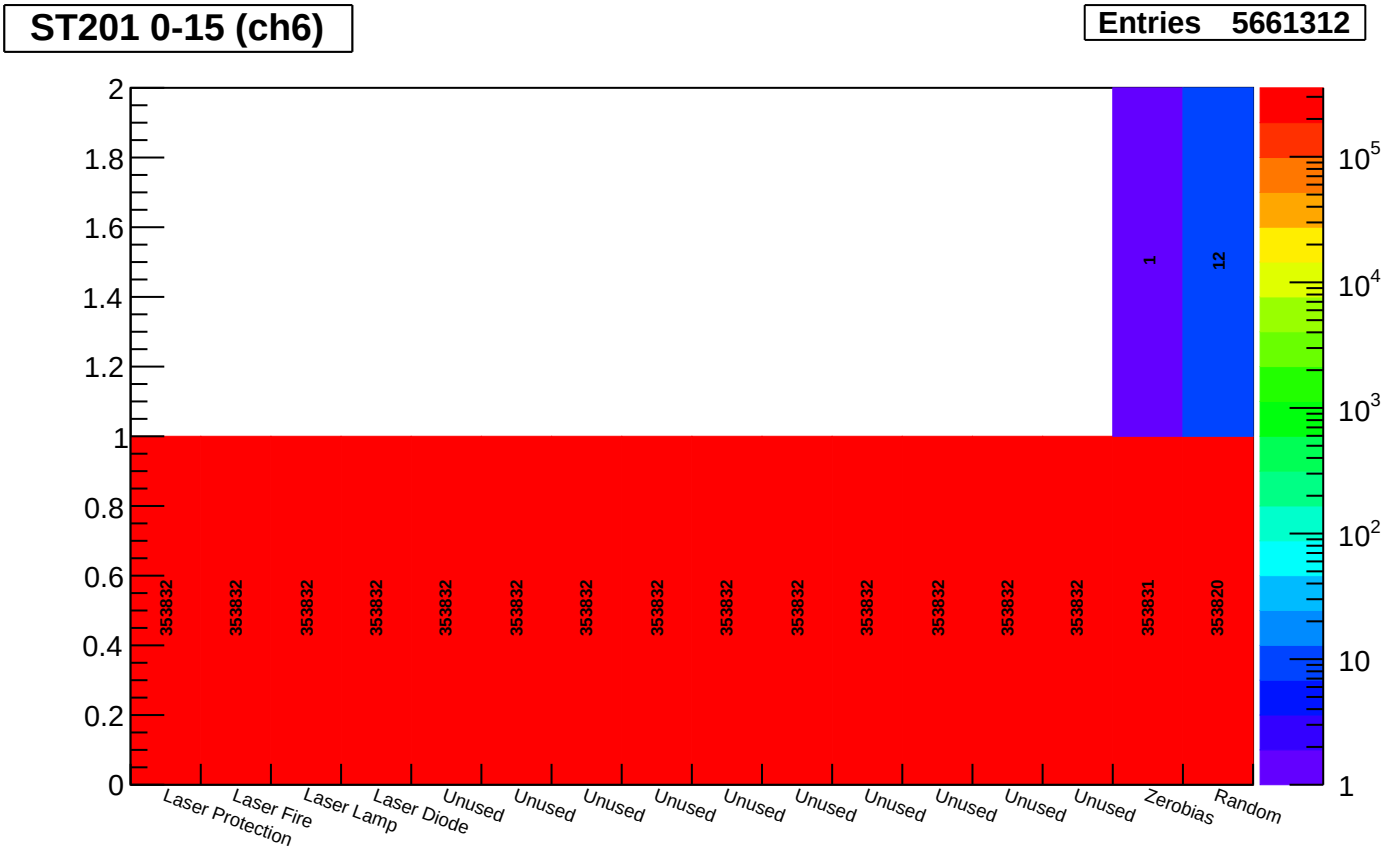

Entries 353832
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

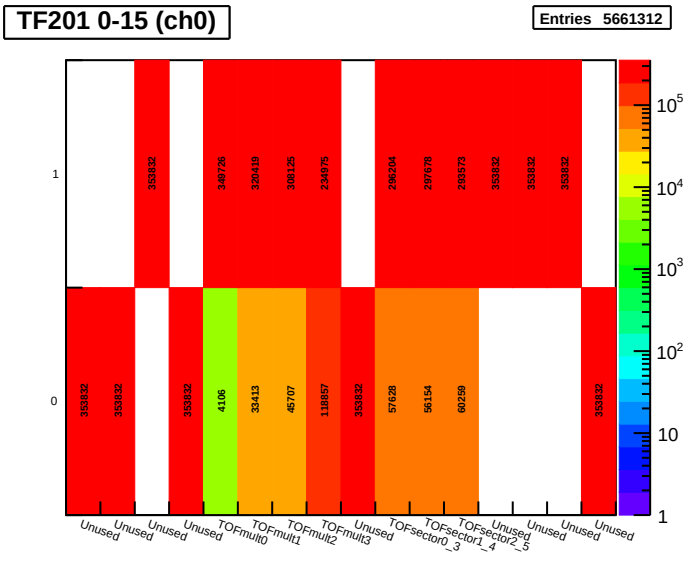

Entries 353832
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

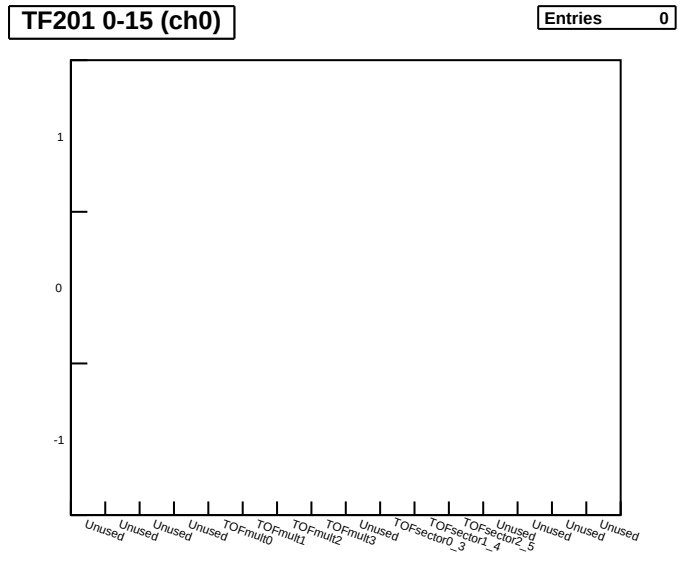

Entries 353832
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

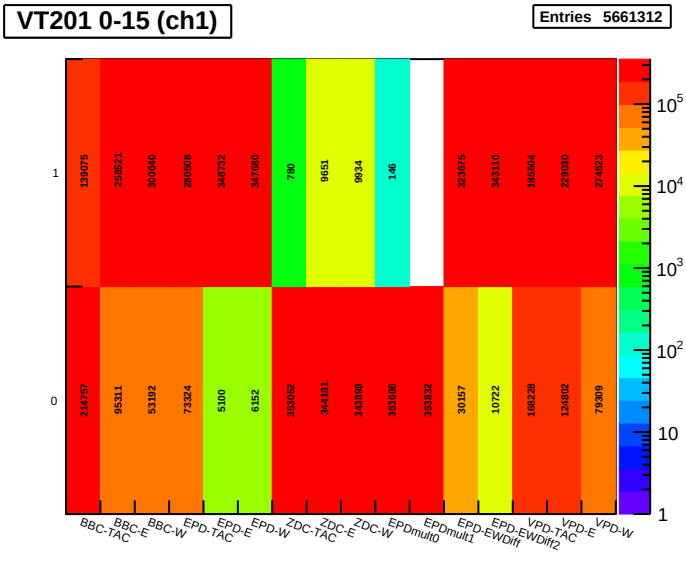

Entries 353832
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

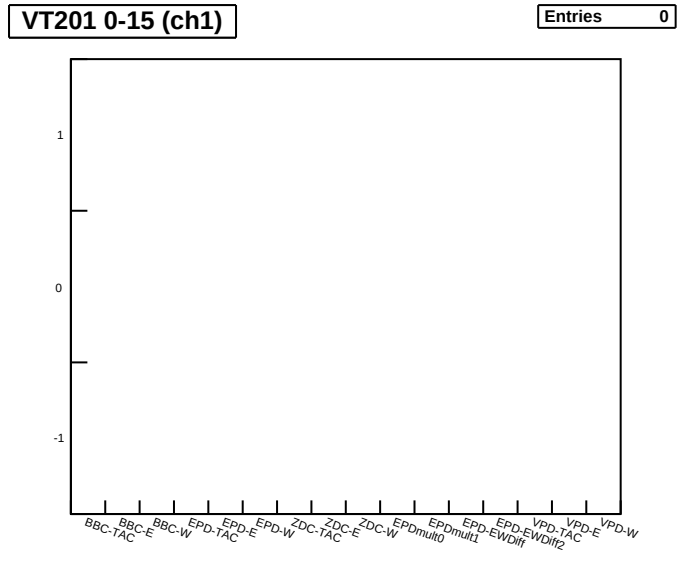

Laser Input Bits
Entries 353832
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

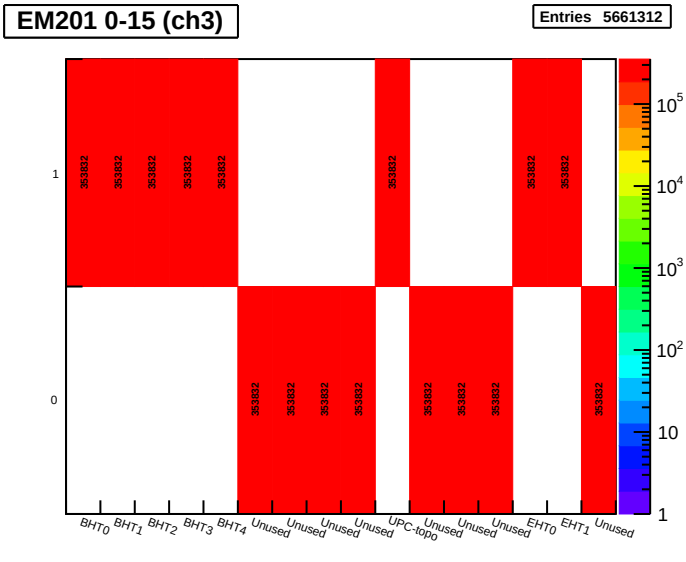

ST201 0-15 (ch6)
Entries 5661312
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
353832
353832
353832
353832
353832
353832
353832
353832
353832
353832
353832
353832
353832
353832
353831
353820
1
12
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

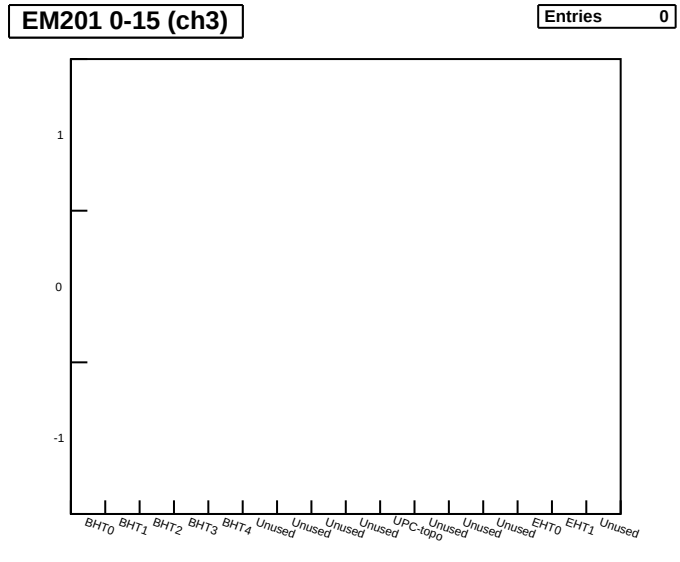

TF201 0-15 (ch0)
Entries 5661312
1
0
353832 353832 353832 348726 320419 308125 234975 296204 297678 293573 353832 353832 353832
353832 353832 353832 4106 33413 45707 118857 353832 57628 56154 60299 353832
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused
1 10 10^2 10^3 10^4 10^5


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


VT201 0-15 (ch1)
Entries 5661312
1
0
139075 258521 300640 280508 348732 347680 780 9651 9934 146 323675 343110 185604 229030 274523
214757 95311 53192 73324 5100 6152 353052 344181 343898 353686 353832 30157 10722 168228 124802 79309
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 10 10^2 10^3 10^4 10^5


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 5661312
1
0
353832 353832 353832 353832 353832 353832 353832 353832 353832
353832 353832 353832 353832 353832 353832 353832 353832
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1 10 10^2 10^3 10^4 10^5


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