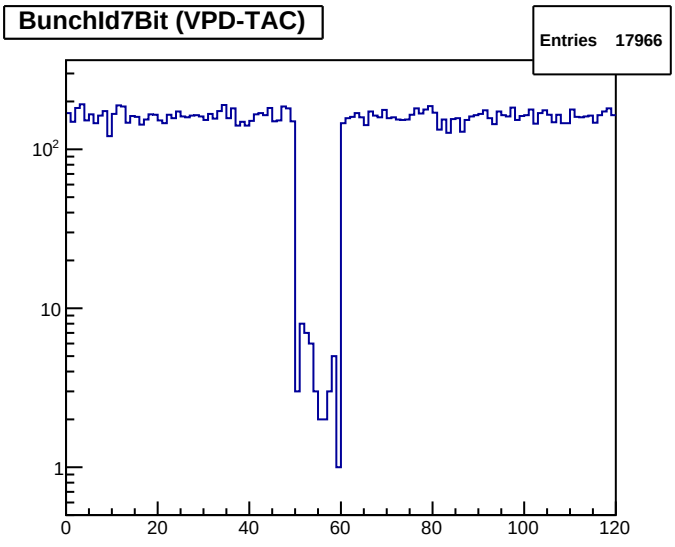
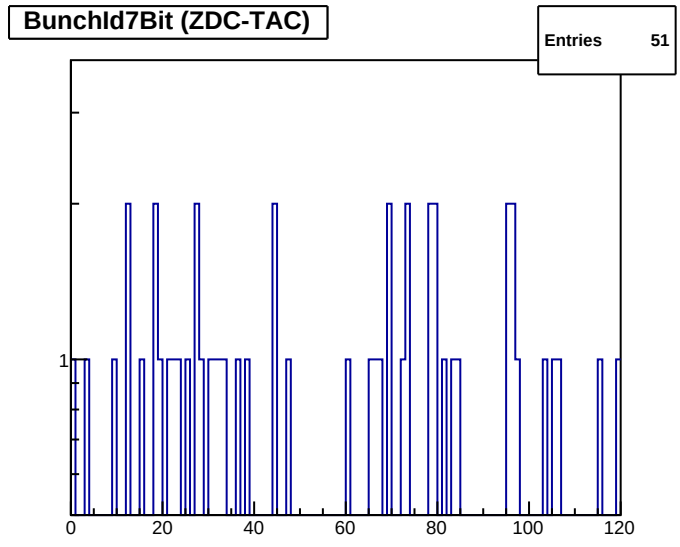
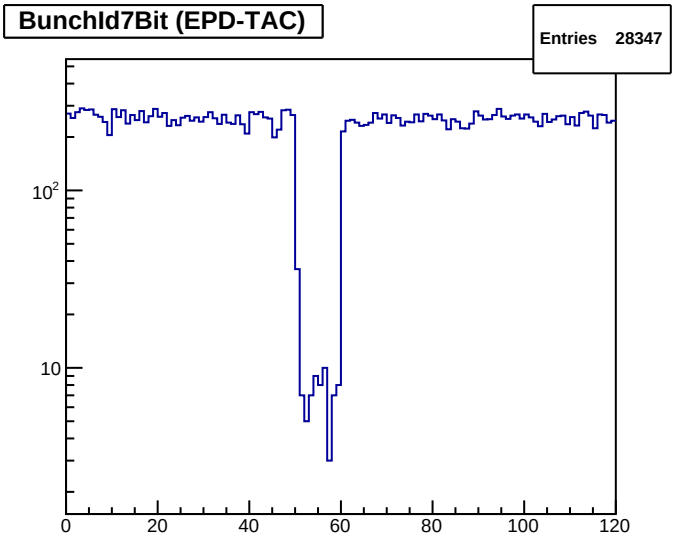
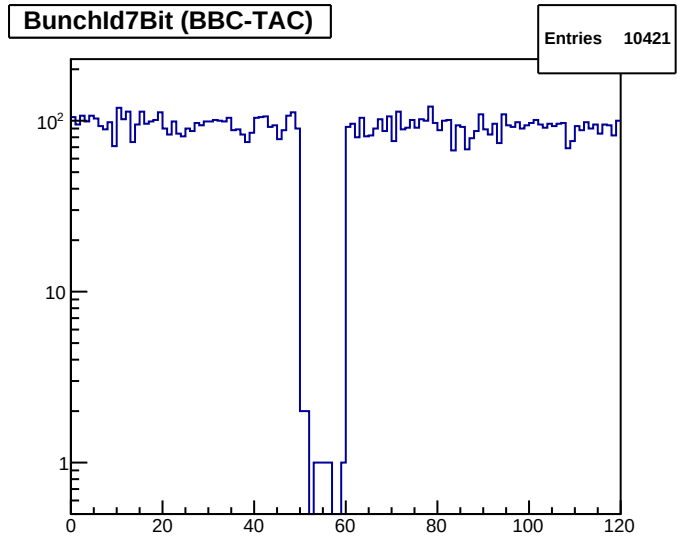
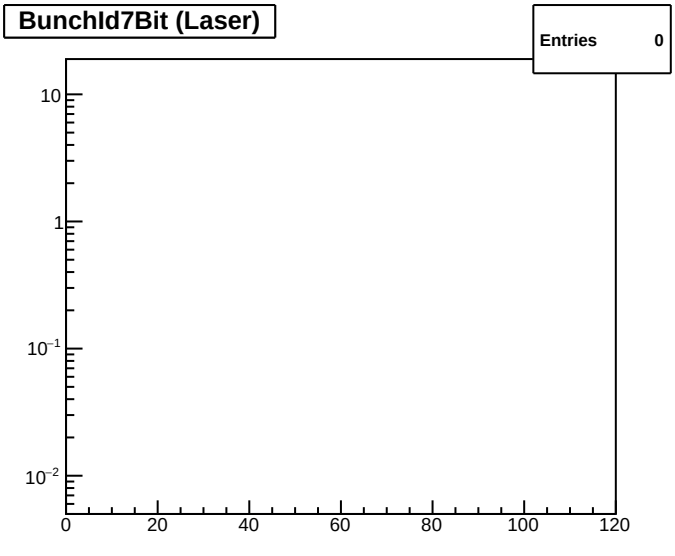
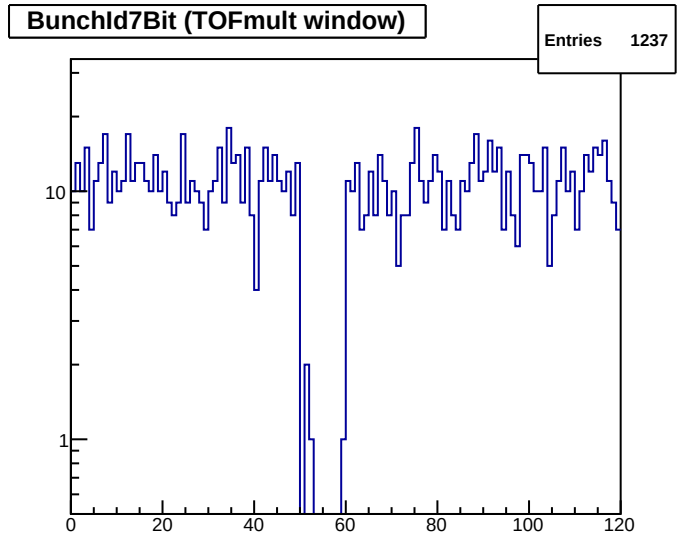

BunchId7Bit (VPD-TAC)
Entries 17966
10^2
10
1
0
20
40
60
80
100
120

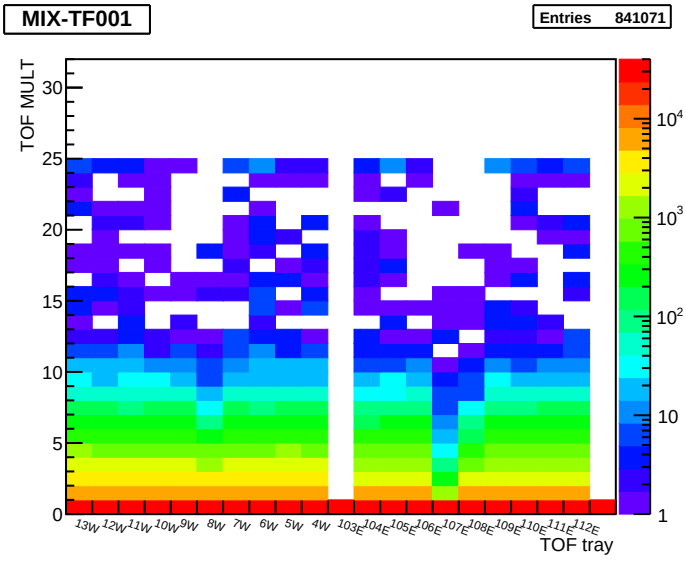

BunchId7Bit (ZDC-TAC)
Entries 51
1
0
20
40
60
80
100
120

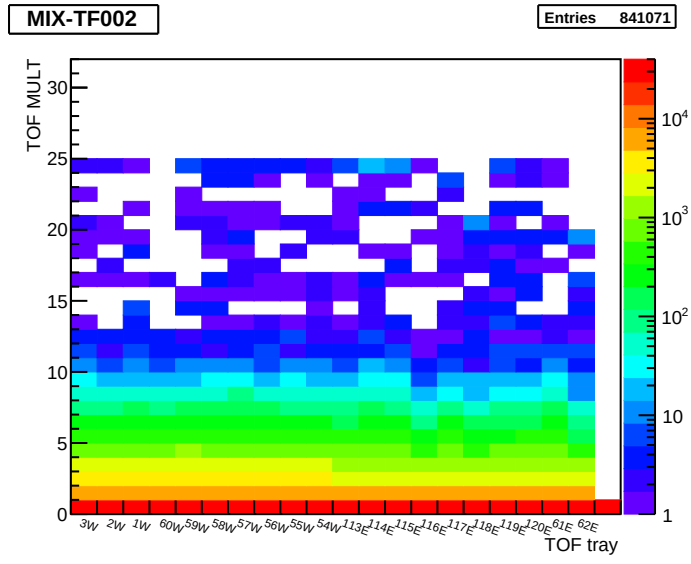

BunchId7Bit (EPD-TAC)
Entries 28347
10^2
10
0
20
40
60
80
100
120

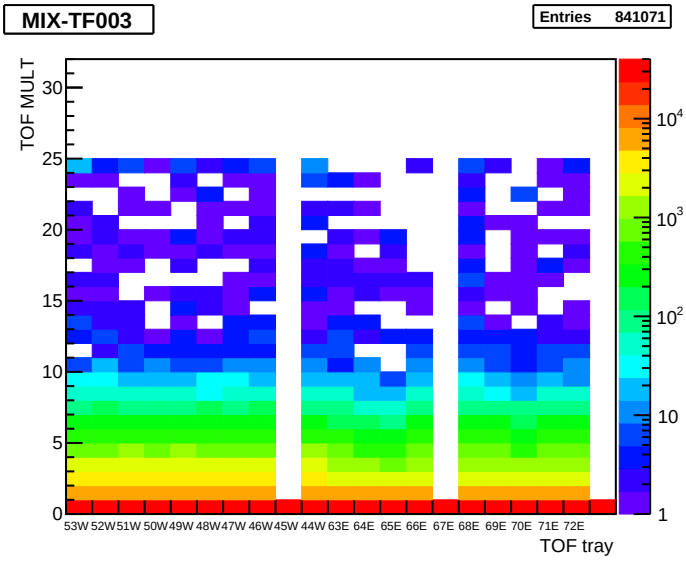

BunchId7Bit (BBC-TAC)
Entries 10421
10^2
10
1
0
20
40
60
80
100
120

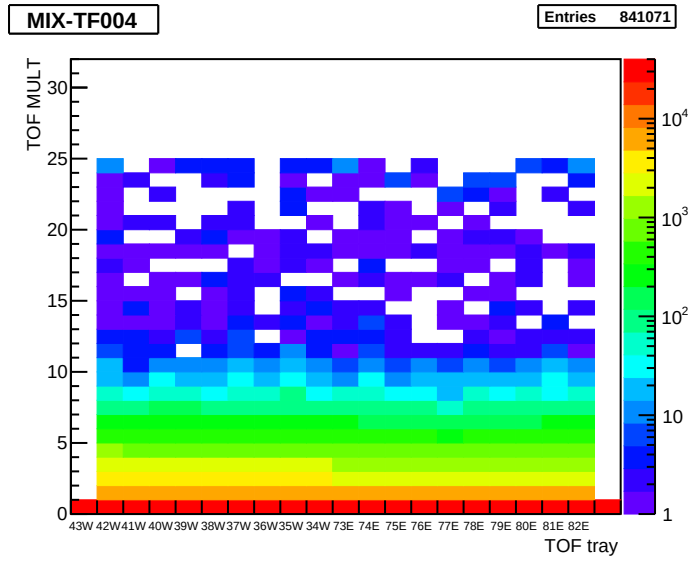

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

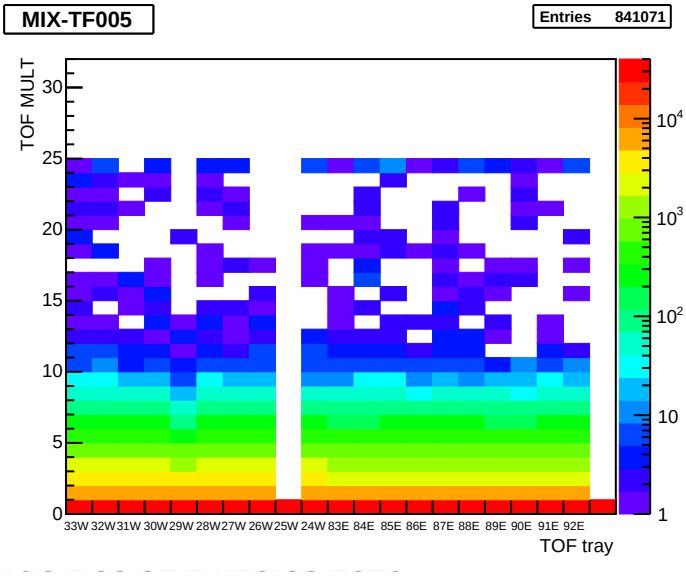

BunchId7Bit (TOFmult window)
Entries 1237
10
1
0
20
40
60
80
100
120

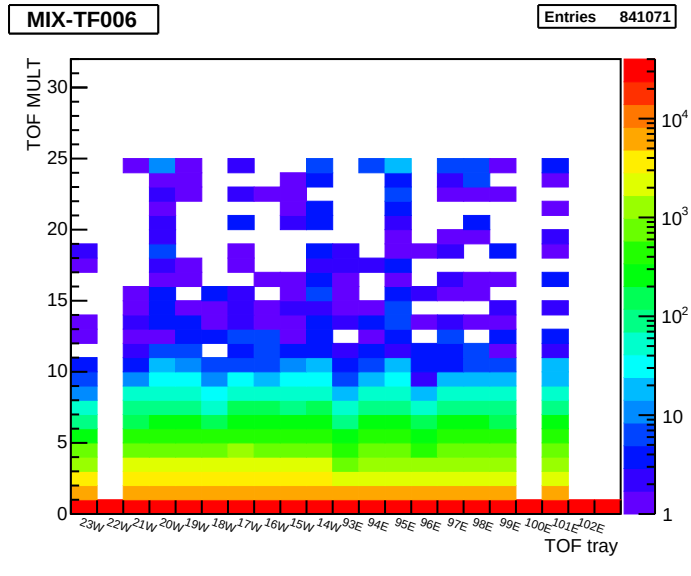

MIX-TF001
Entries 841071
TOF MULT
TOF tray

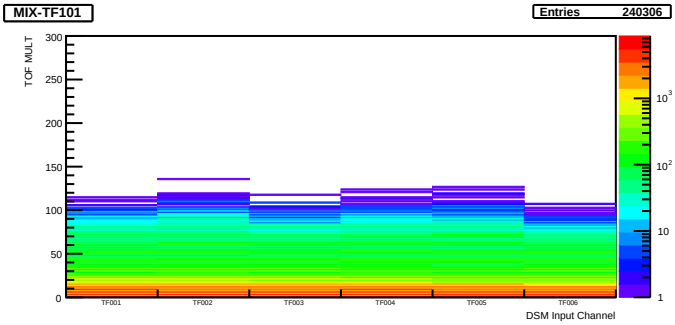

MIX-TF002
Entries 841071
TOF MULT
TOF tray

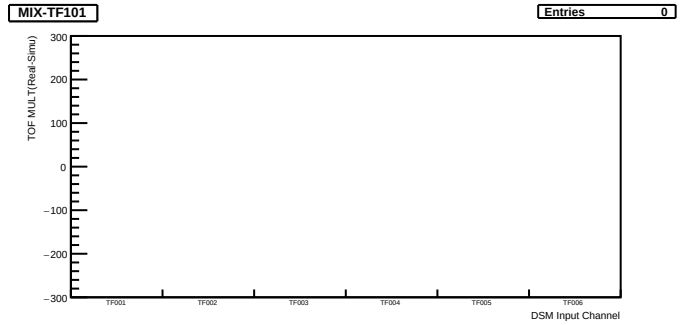

MIX-TF003
Entries 841071
TOF MULT
TOF tray

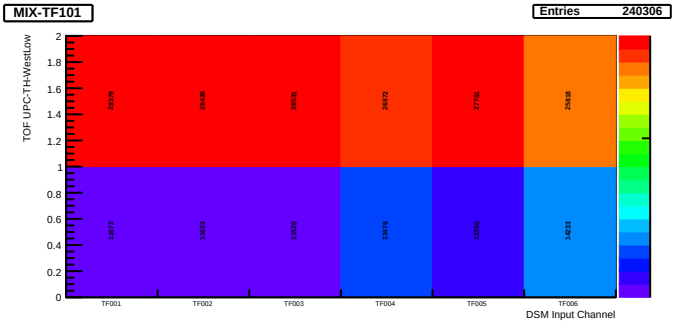

MIX-TF004
Entries 841071
TOF MULT
TOF tray

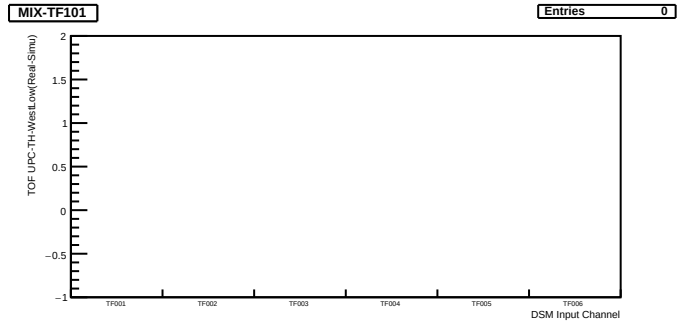

MIX-TF005
Entries 841071
TOF MULT
TOF tray

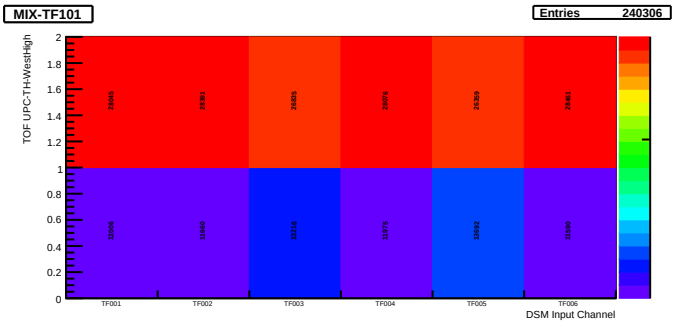

MIX-TF006
Entries 841071
TOF MULT
TOF tray

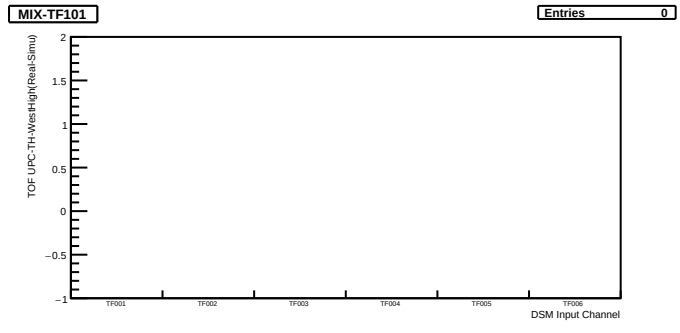

MIX-TF101
Entries 240306
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

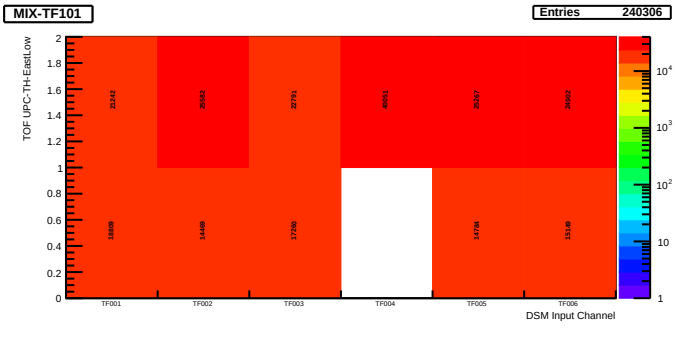

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

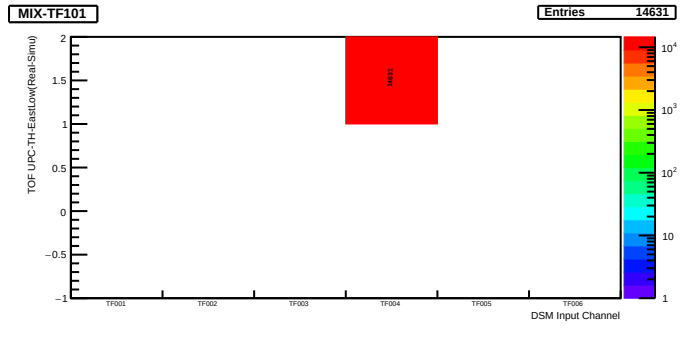

MIX-TF101
Entries 240306
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

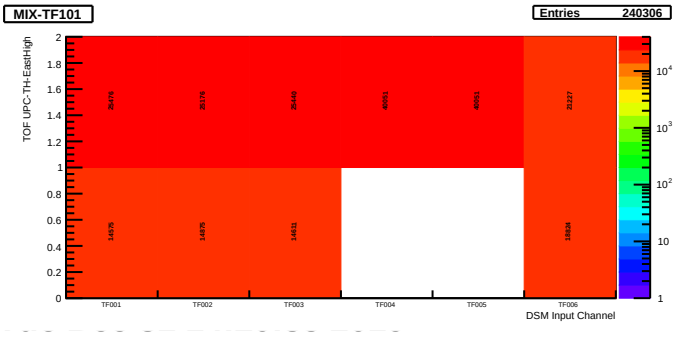

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

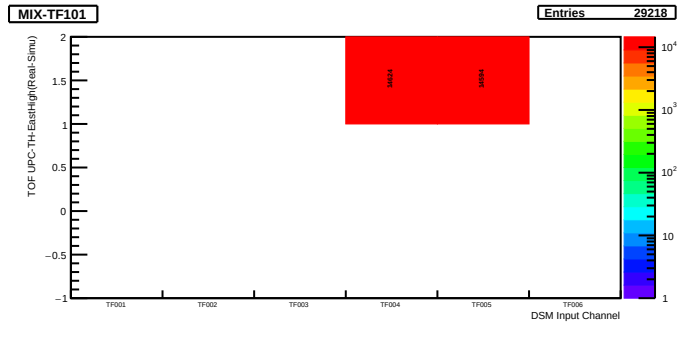

MIX-TF101
Entries 240306
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

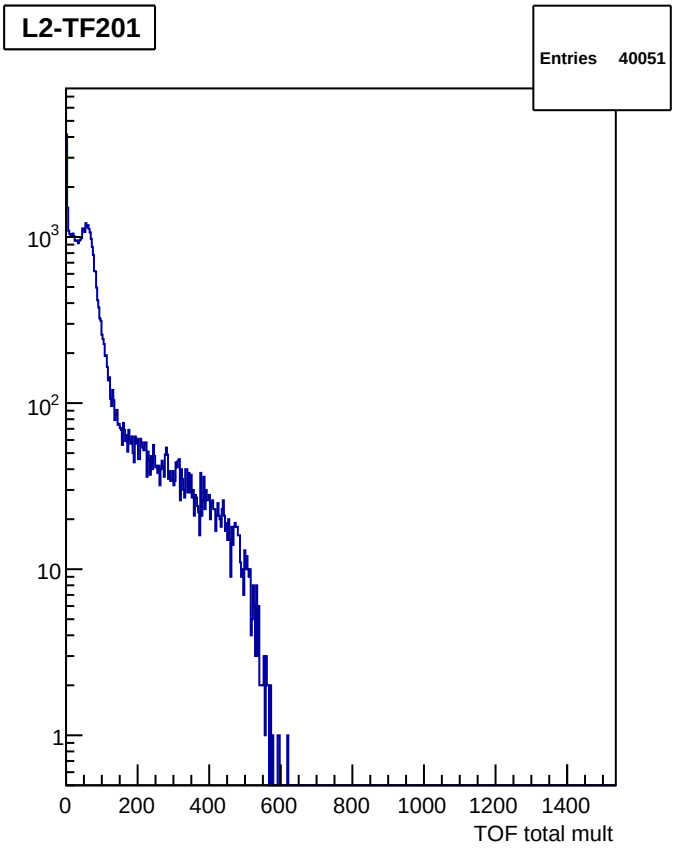

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

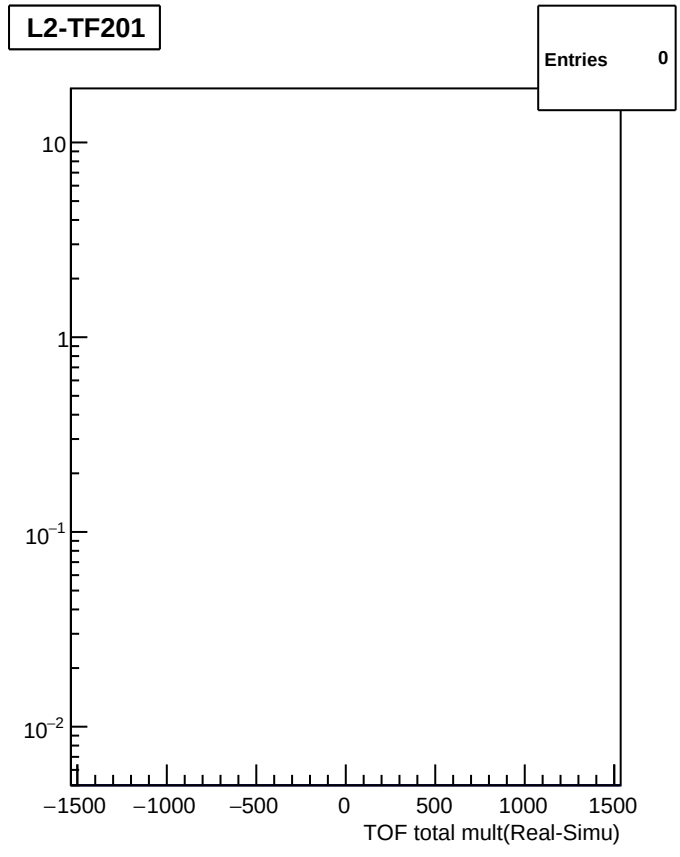

MIX-TF101
Entries 240306
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

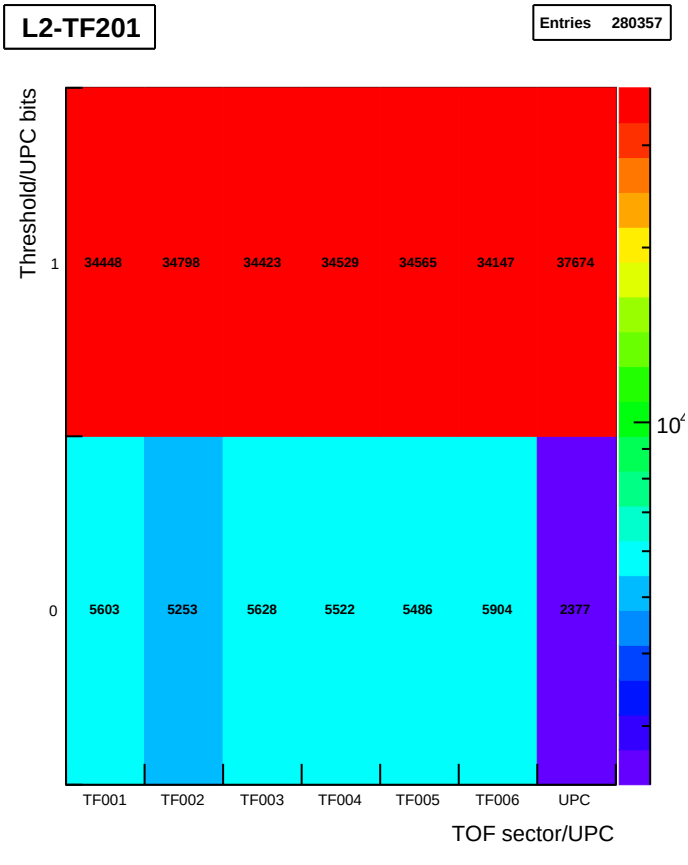

MIX-TF101
Entries 14631
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

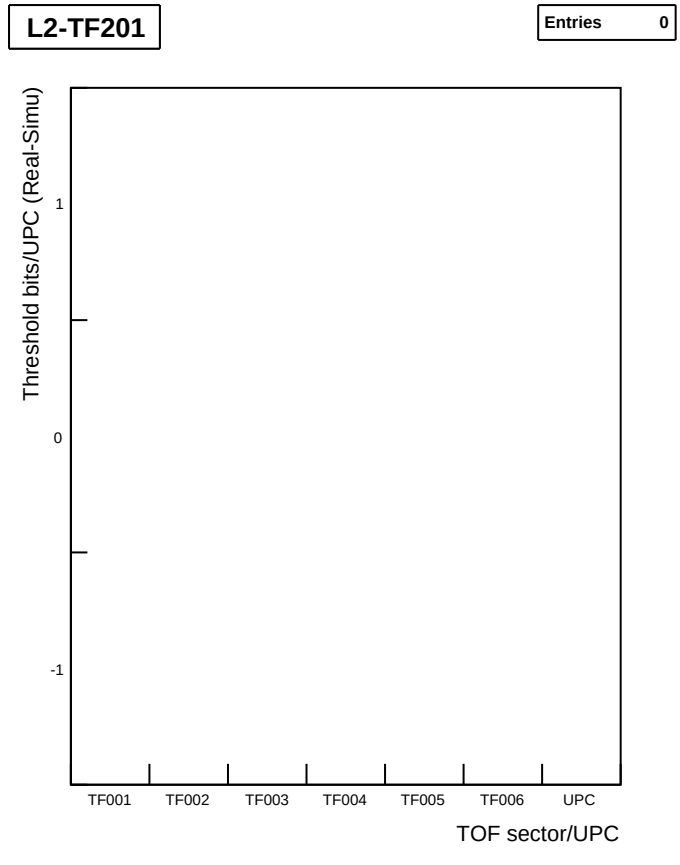

MIX-TF101
Entries 240306
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

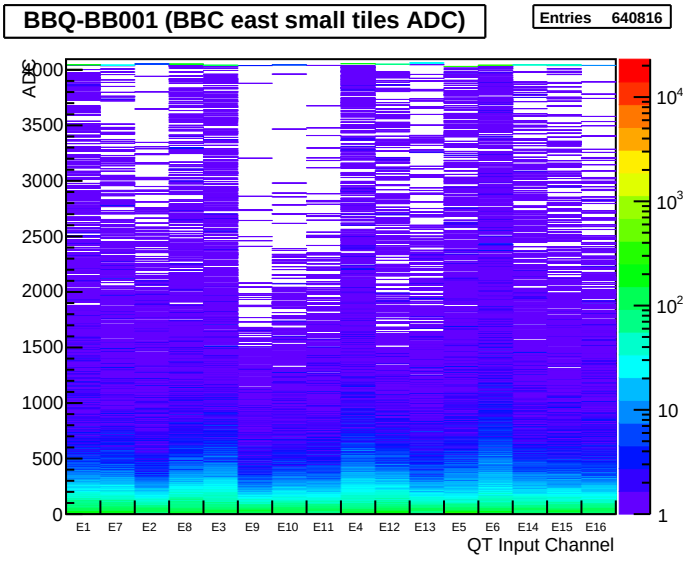

MIX-TF101
Entries 29218
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

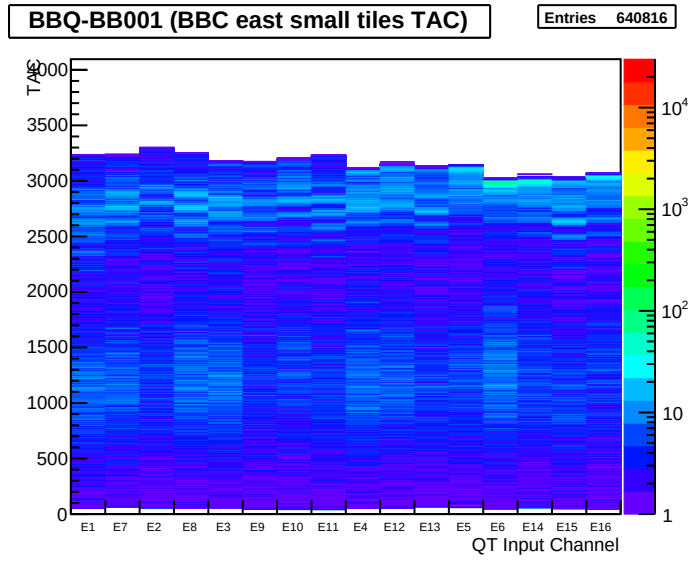

L2-TF201
Entries 40051
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

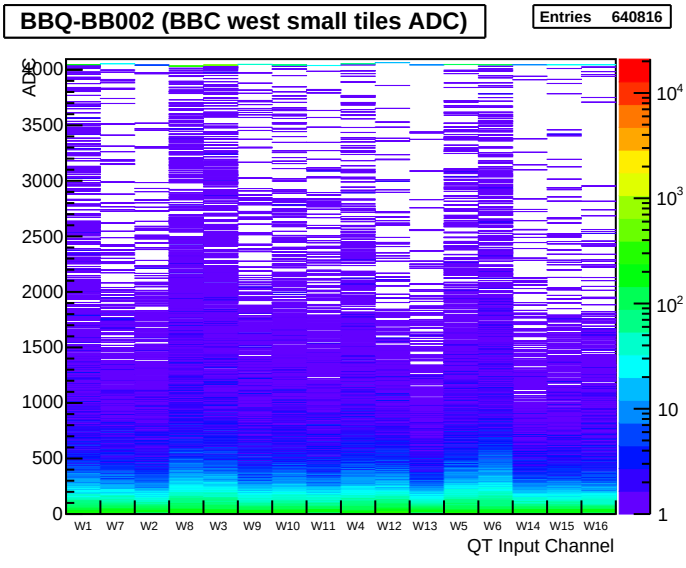

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

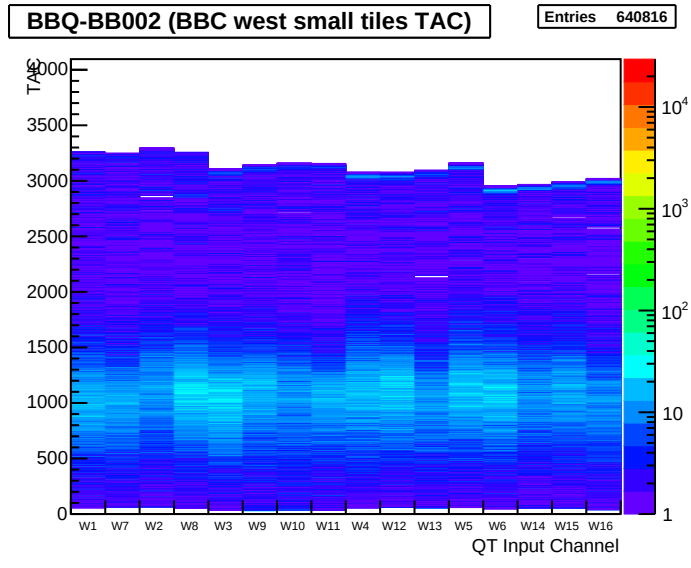

L2-TF201
Entries 280357
Threshold/UPC bits
1
0
34448
34798
34423
34529
34565
34147
37674
5603
5253
5628
5522
5486
5904
2377
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

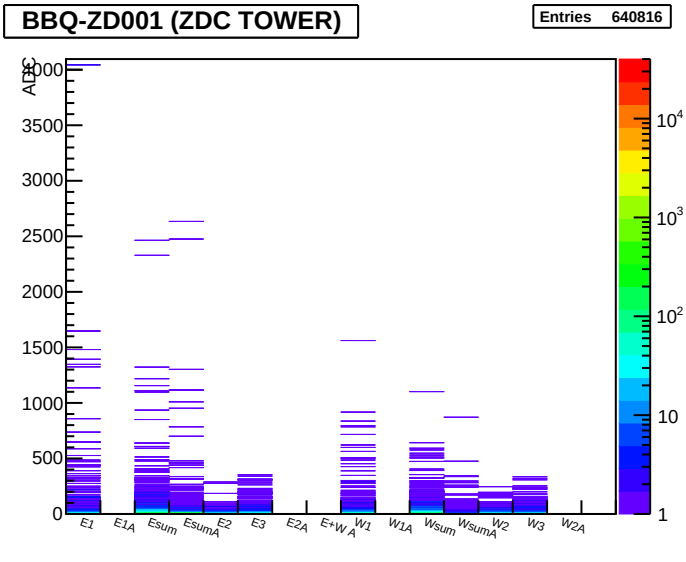

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

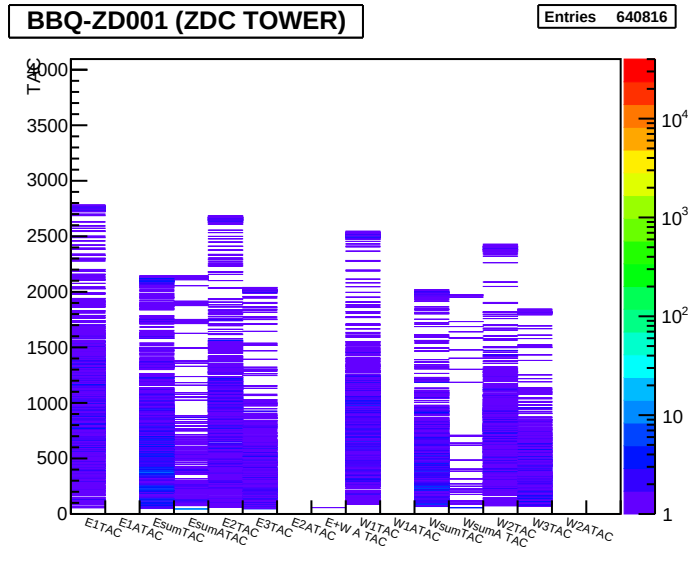

BBQ-BB001 (BBC east small tiles ADC)
Entries 640816
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

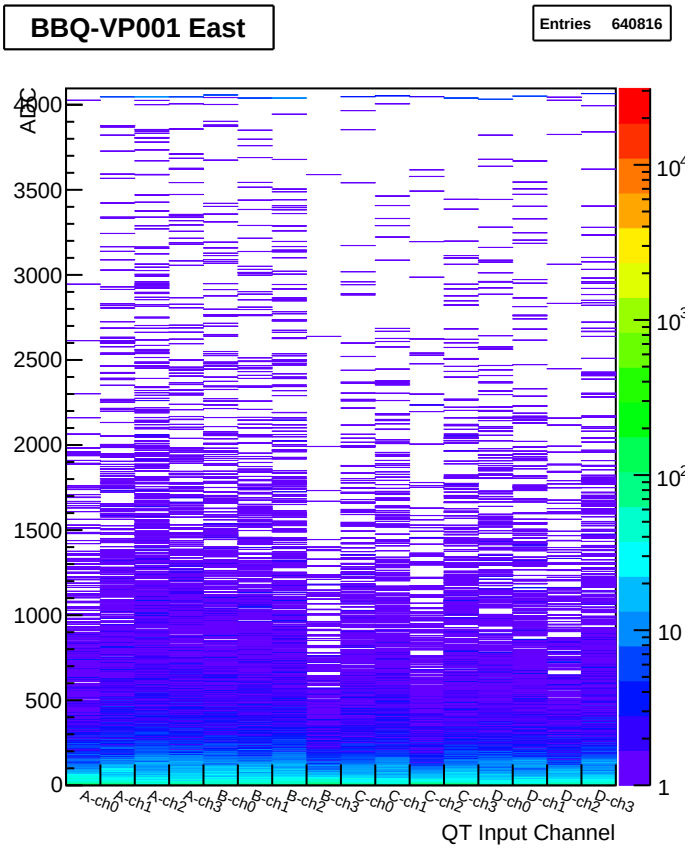

BBQ-BB001 (BBC east small tiles TAC)
Entries 640816
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

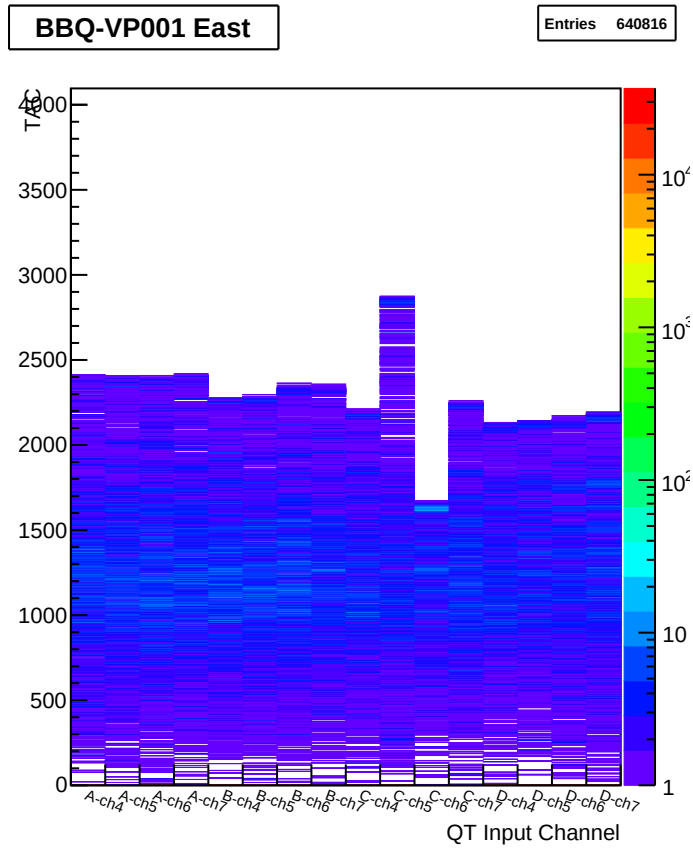

BBQ-BB002 (BBC west small tiles ADC)
Entries 640816
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

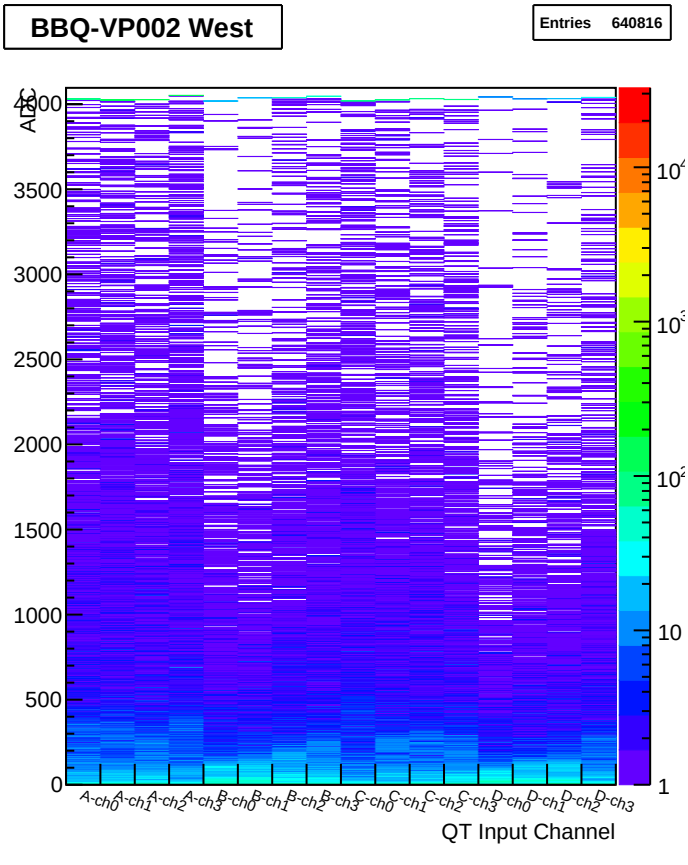

BBQ-BB002 (BBC west small tiles TAC)
Entries 640816
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

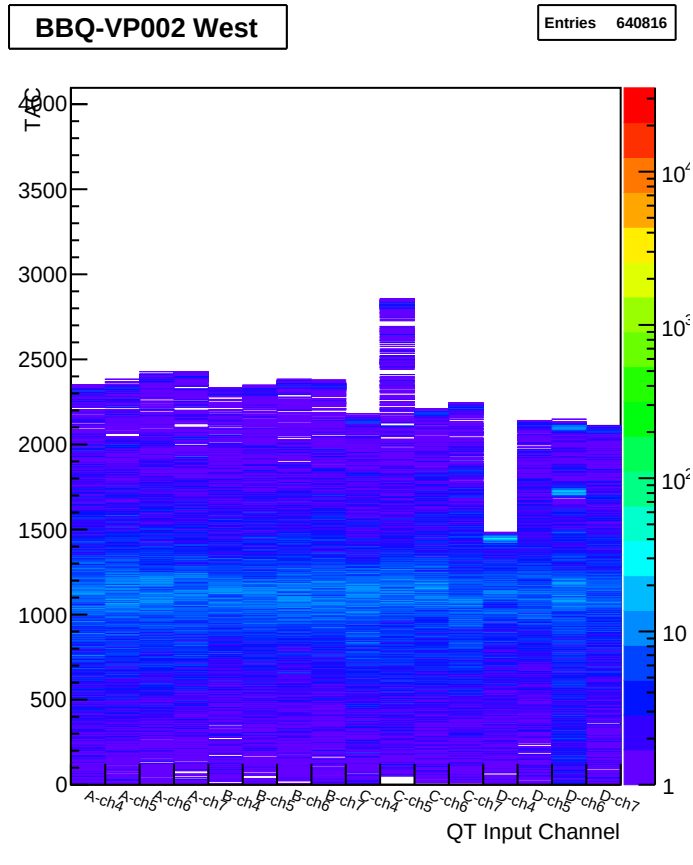

BBQ-ZD001 (ZDC TOWER)
Entries 640816
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

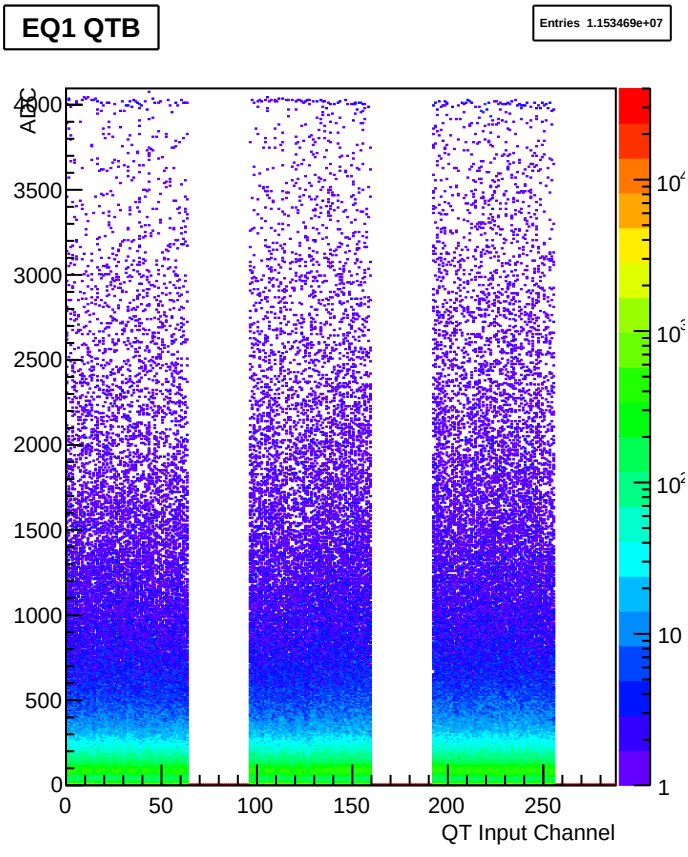

BBQ-ZD001 (ZDC TOWER)
Entries 640816
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

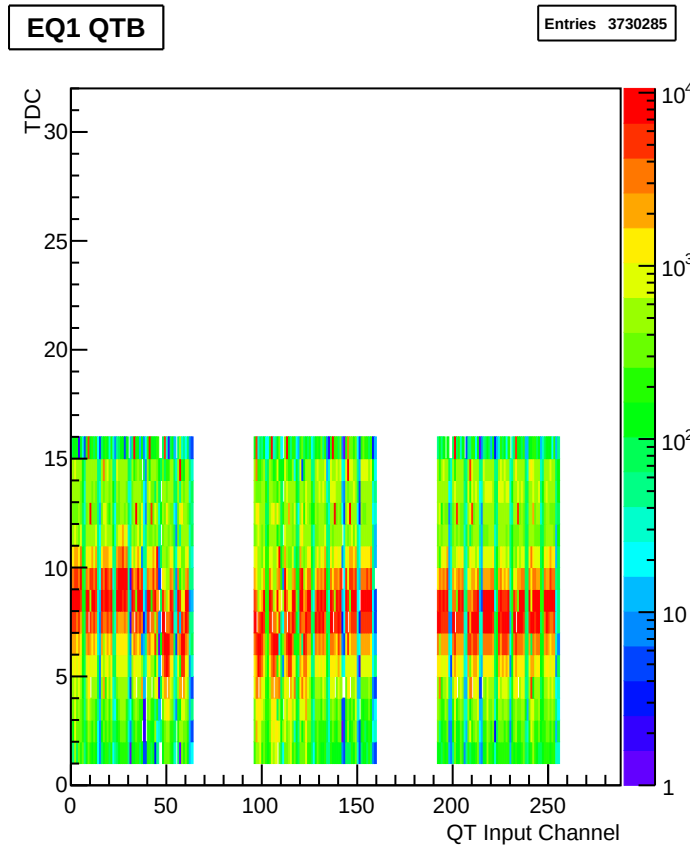

BBQ-VP001 East
Entries 640816
ADC
QT Input Channel

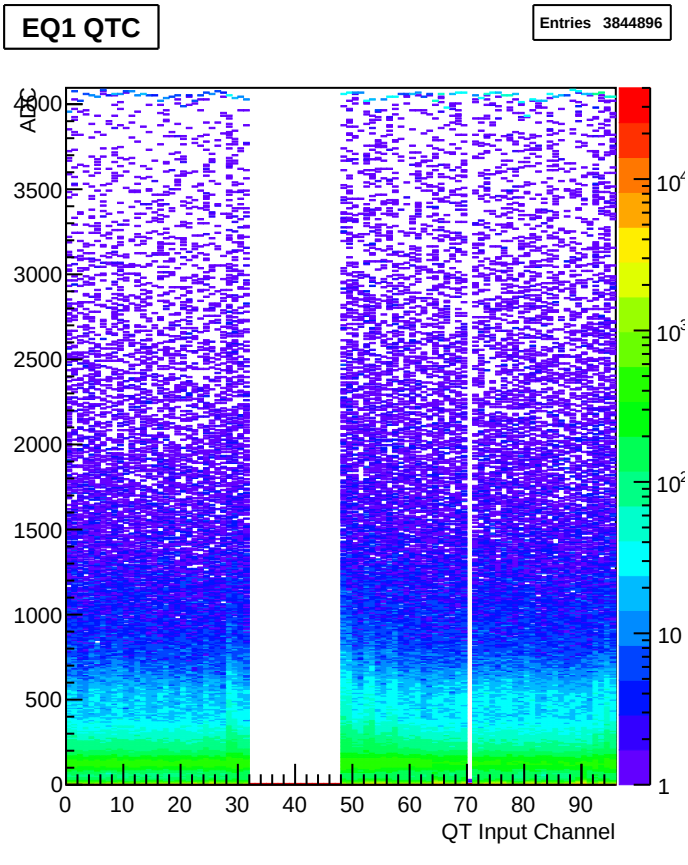

BBQ-VP001 East
Entries 640816
TAC
QT Input Channel

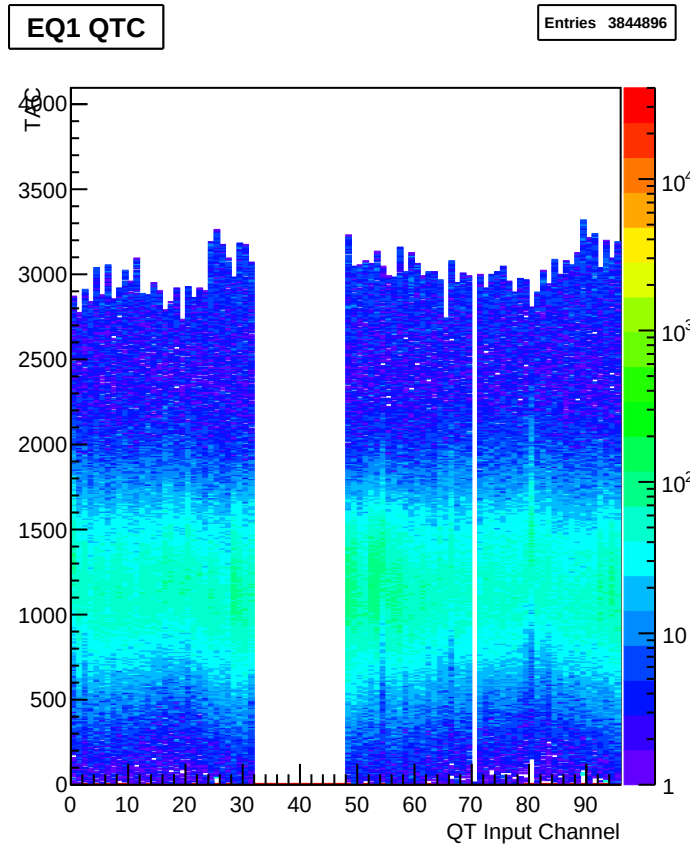

BBQ-VP002 West
Entries 640816
ADC
QT Input Channel

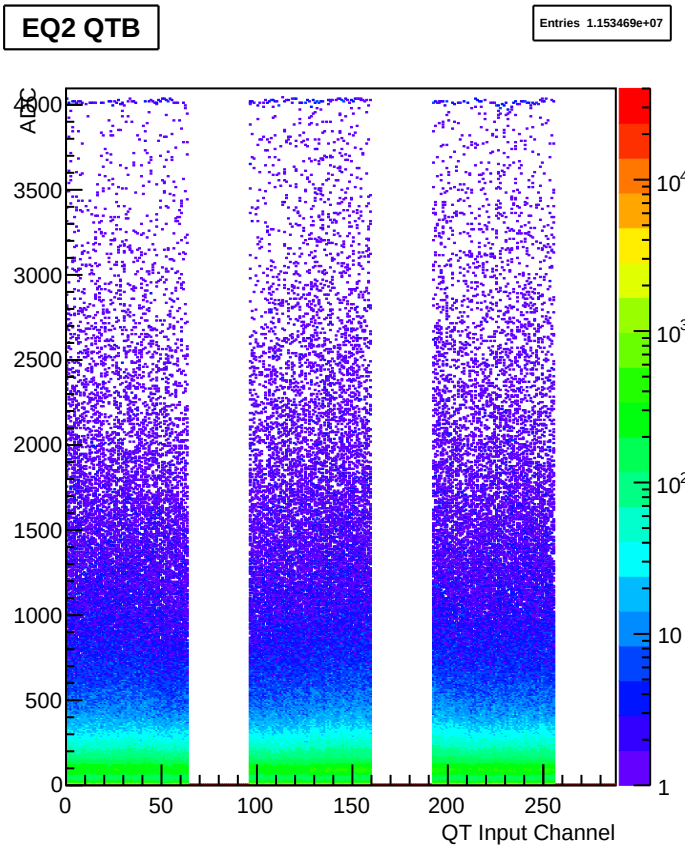

BBQ-VP002 West
Entries 640816
TAC
QT Input Channel

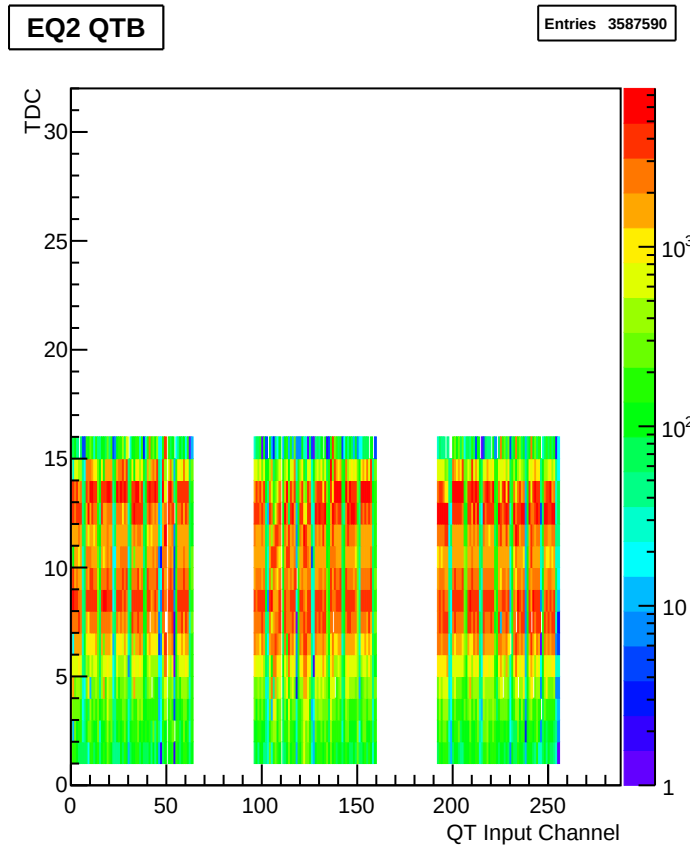

EQ1 QTB
Entries 1.153469e+07
ADC
QT Input Channel

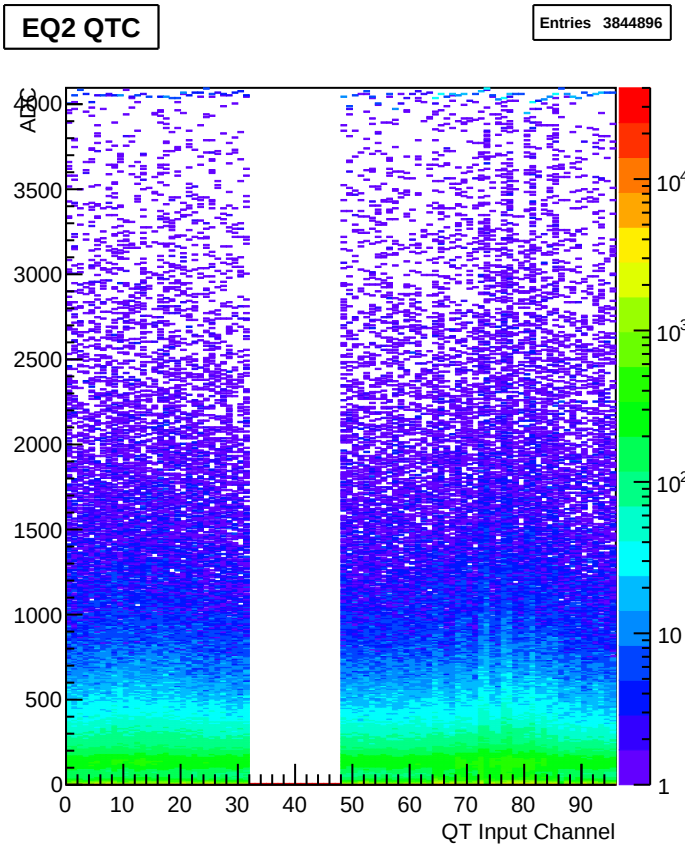

EQ1 QTB
Entries 3730285
TDC
QT Input Channel

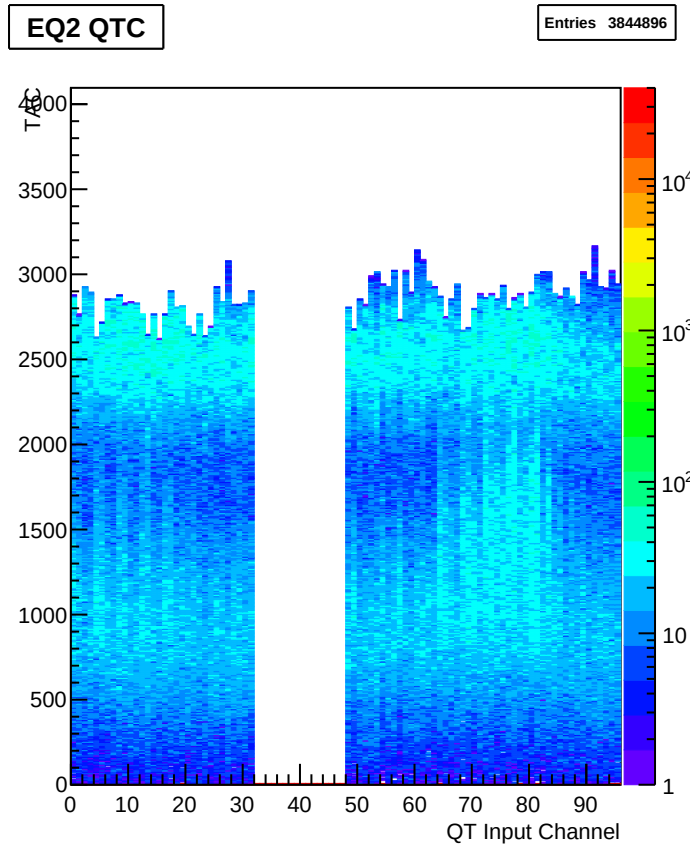

EQ1 QTC
Entries 3844896
ADC
QT Input Channel

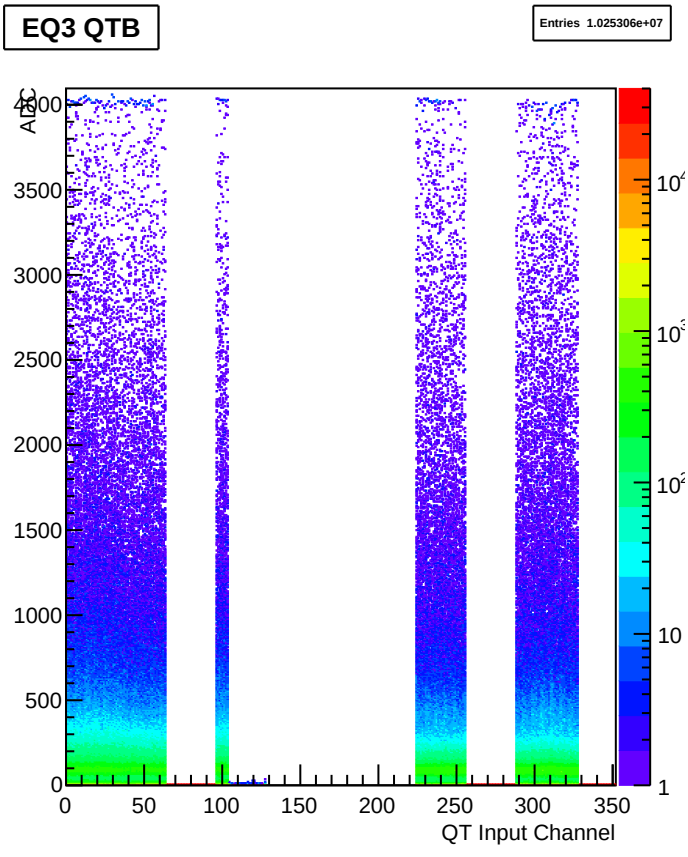

EQ1 QTC
Entries 3844896
TADC
QT Input Channel

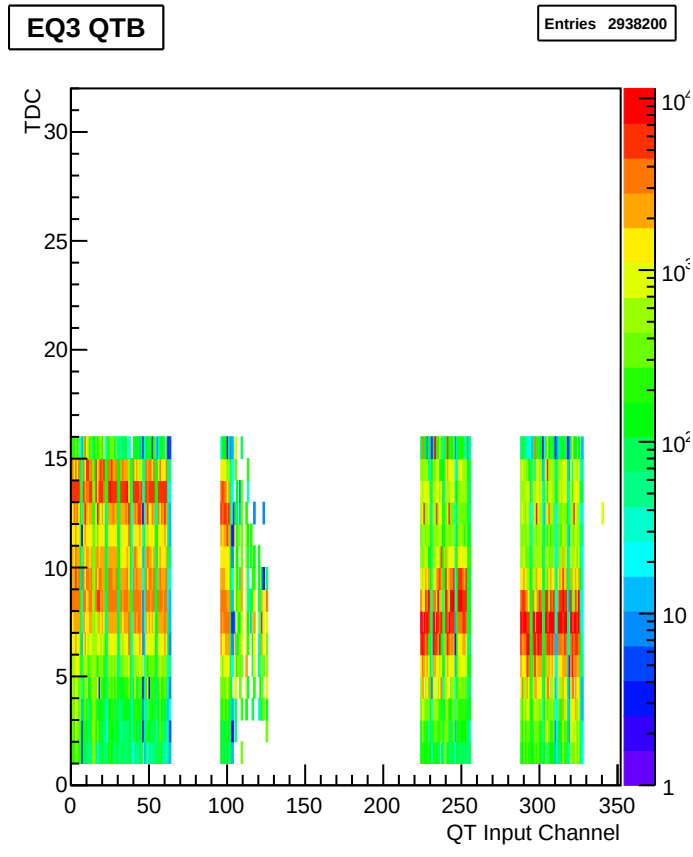

EQ2 QTB
Entries 1.153469e+07
ADC
QT Input Channel

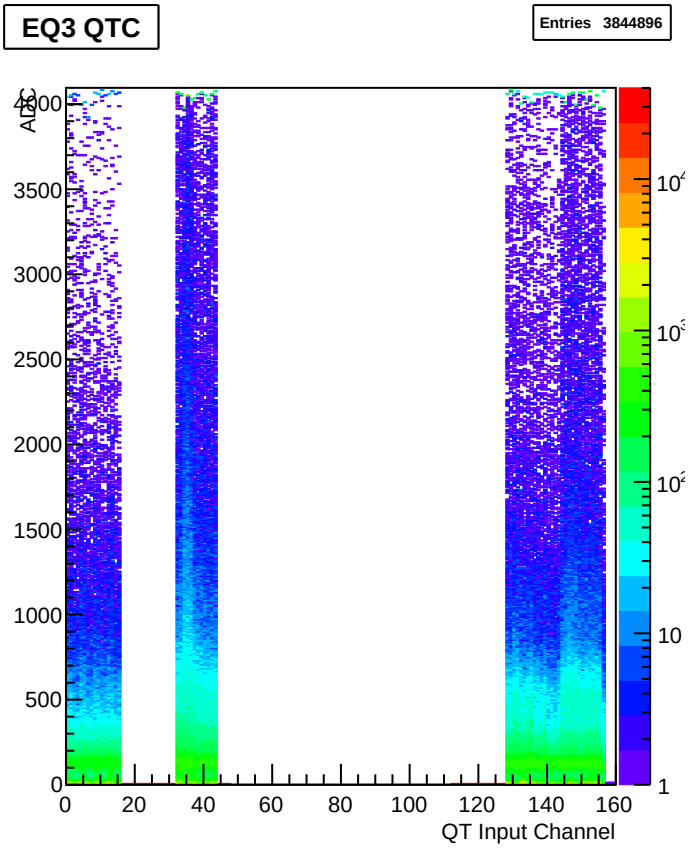

EQ2 QTB
Entries 3587590
TDC
QT Input Channel

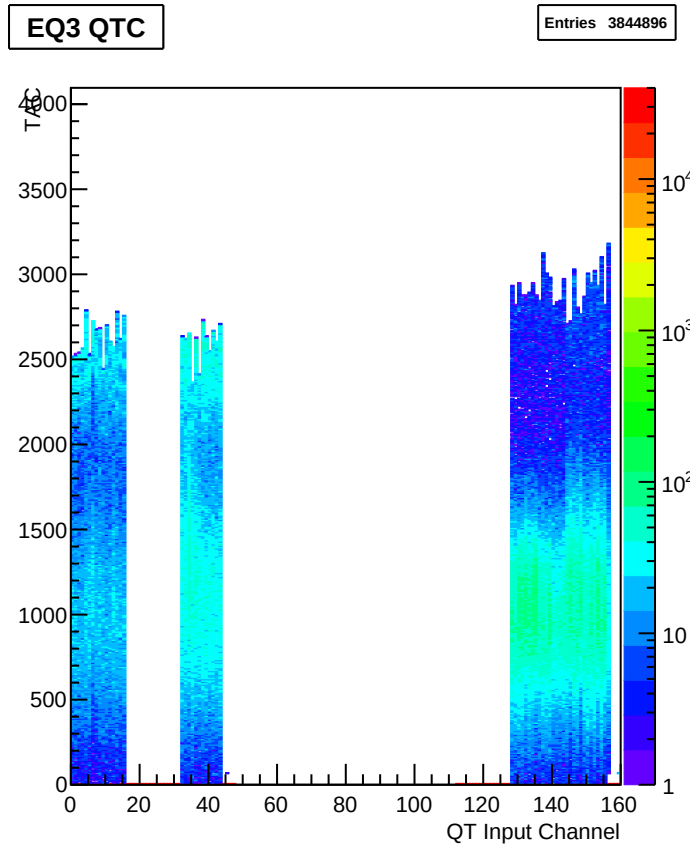

EQ2 QTC
Entries 3844896
ADC
QT Input Channel

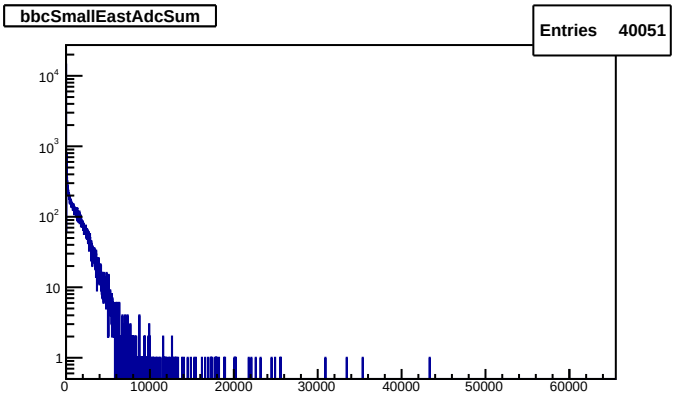

EQ2 QTC
Entries 3844896
TADC
QT Input Channel

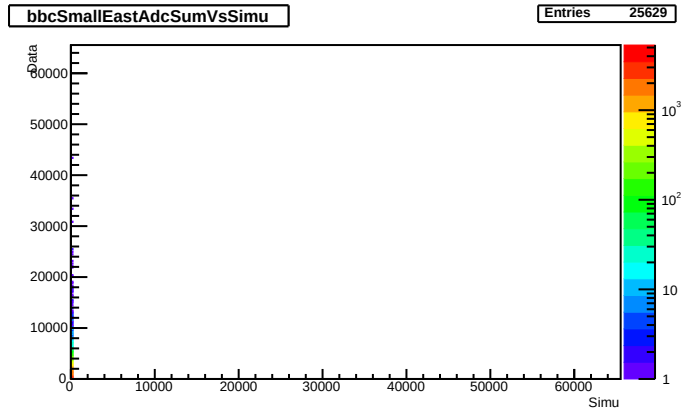

EQ3 QTB
Entries 1.025306e+07
ADC
QT Input Channel

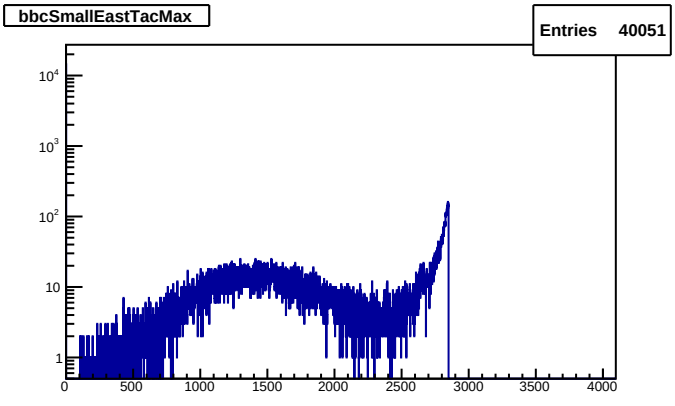

EQ3 QTB
Entries 2938200
TDC
QT Input Channel

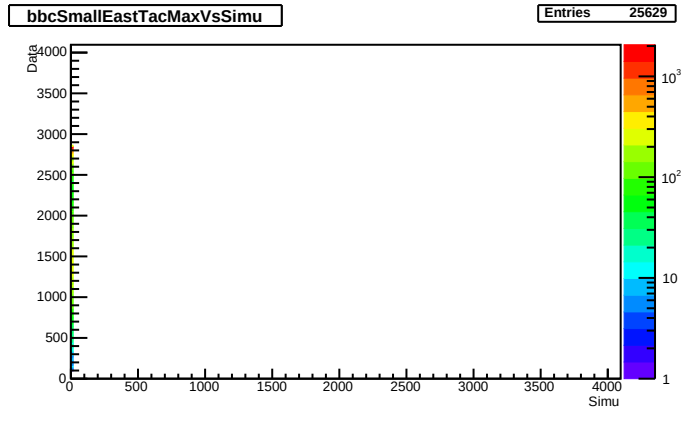

EQ3 QTC
Entries 3844896
ADC
QT Input Channel


EQ3 QTC
Entries 3844896
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 40051


bbcSmallEastAdcSumVsSimu
Entries 25629
Data
Simu


bbcSmallEastTacMax
Entries 40051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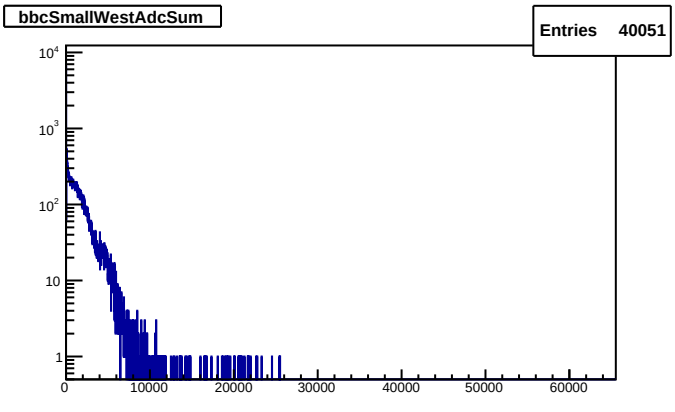
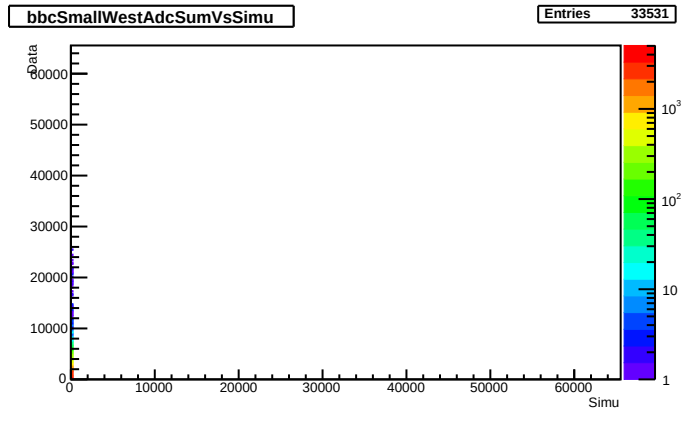
Entries 25629
Data
Simu


bbcSmallWestAdcSum
Entries 40051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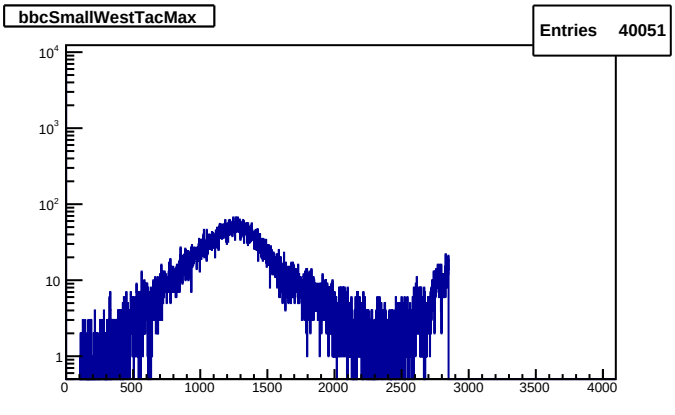
Entries 33531
Data
Simu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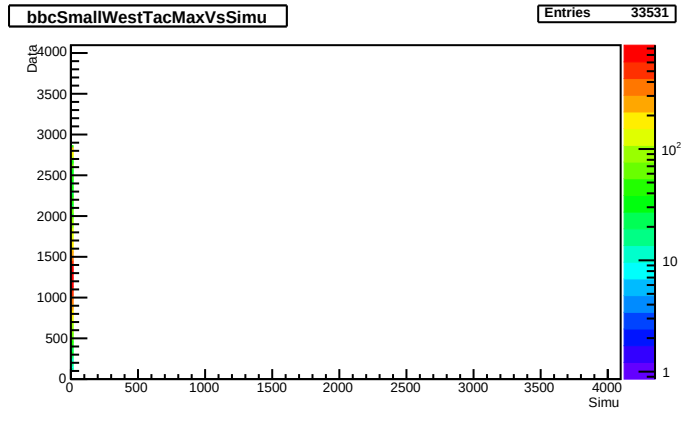
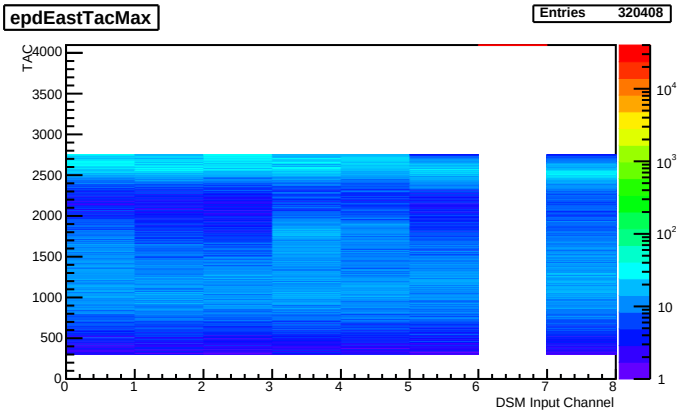
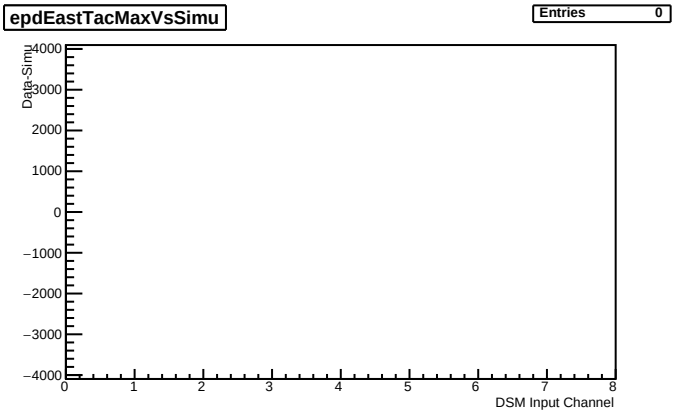
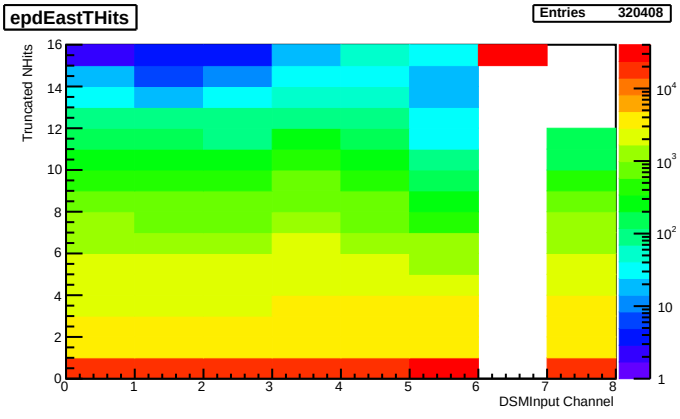
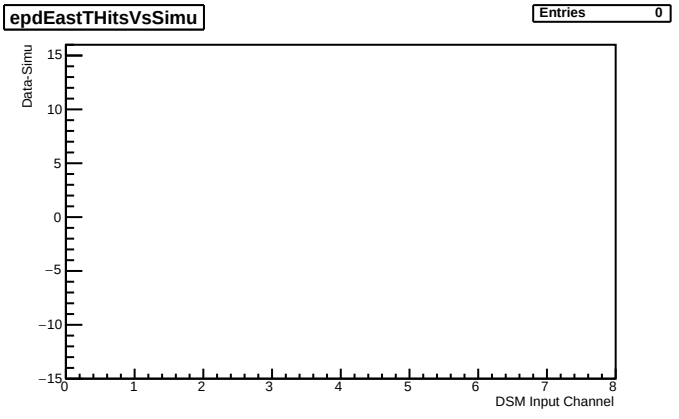
Entries 40051

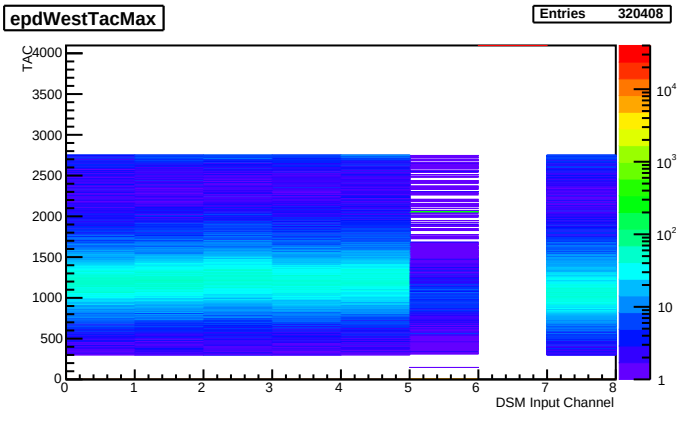

bbcSmallWestTacMaxVsSimu
Entries 33531
Data
Simu


epdEastTacMax
Entries 320408
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 320408
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel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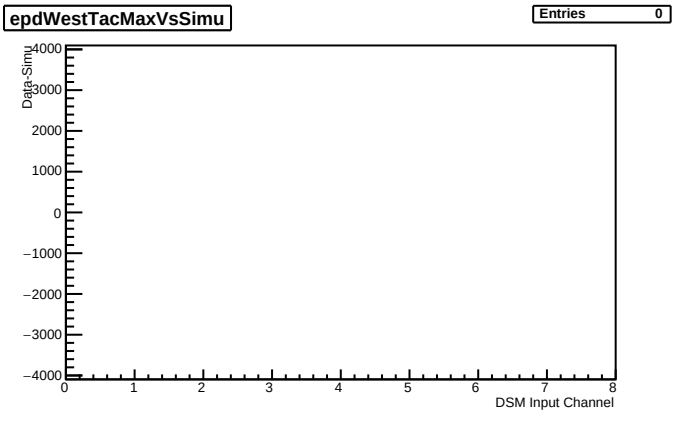
Entries 320408
TAC
DSM Input Channel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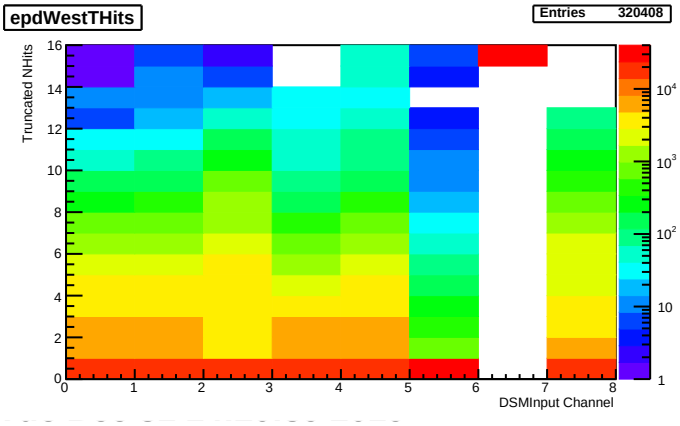
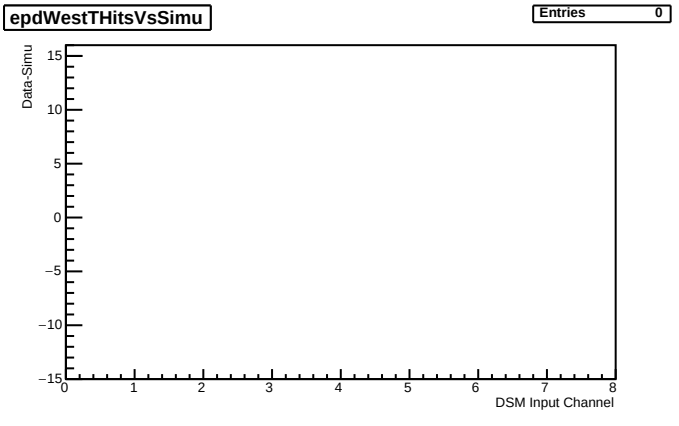
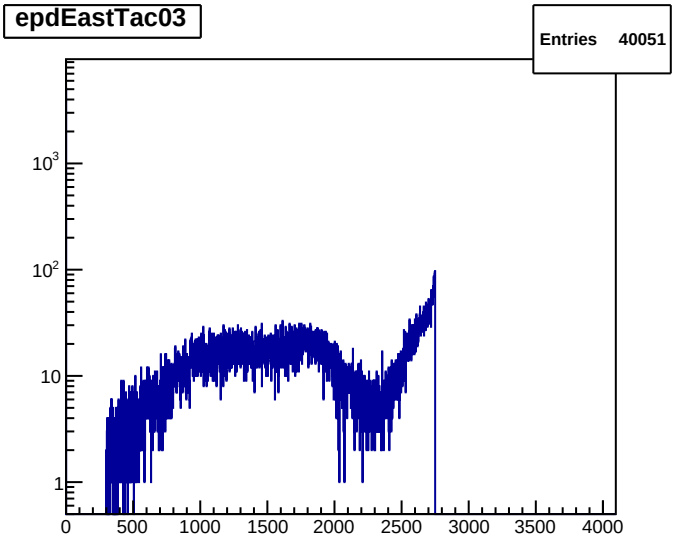
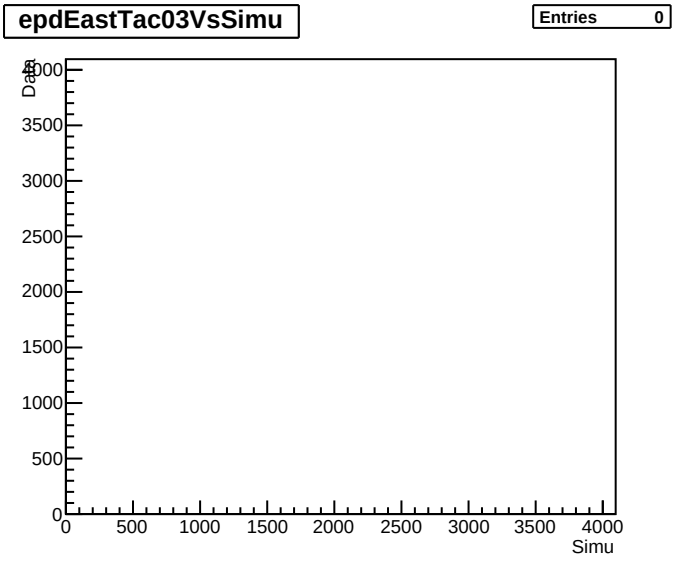
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 320408
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 40051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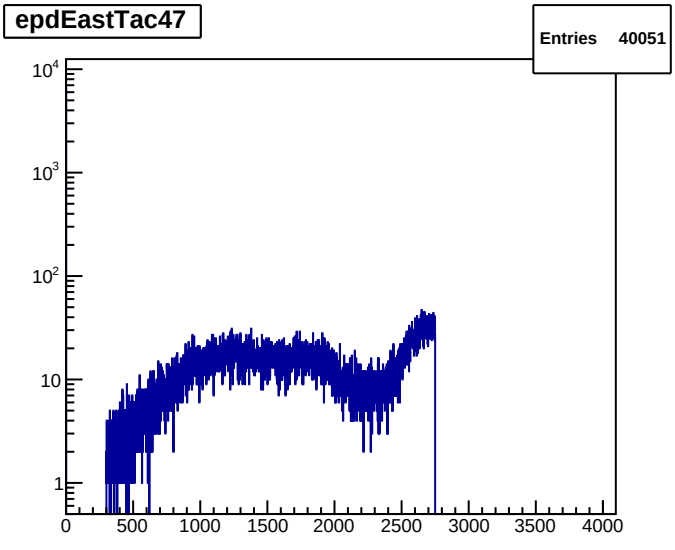
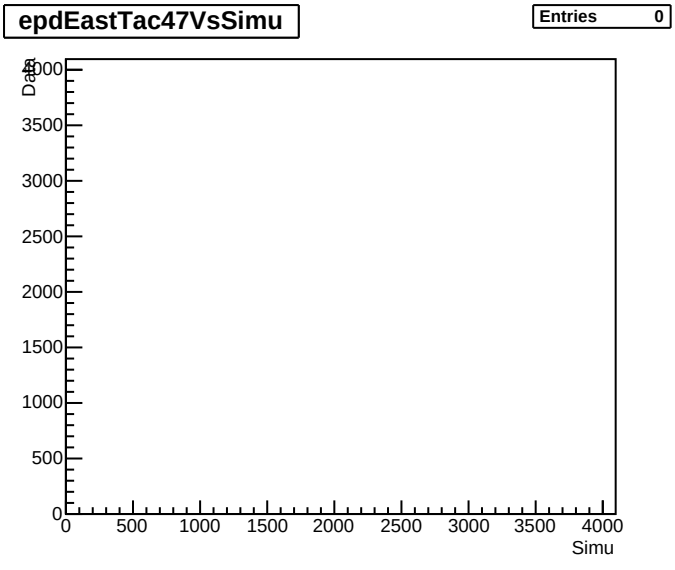
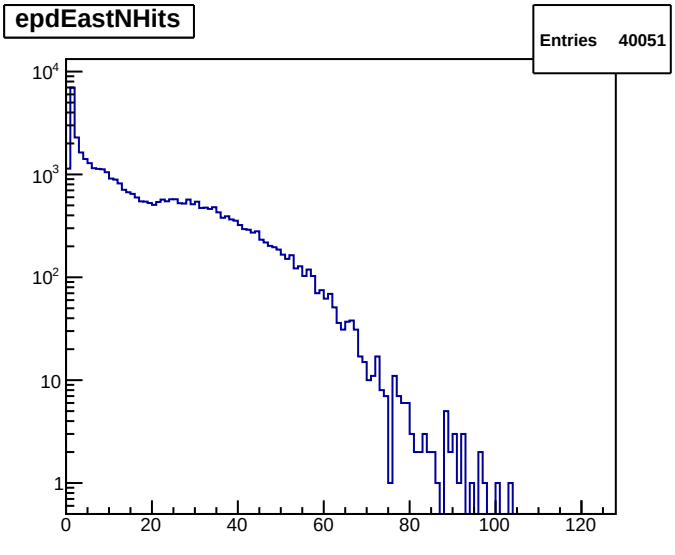
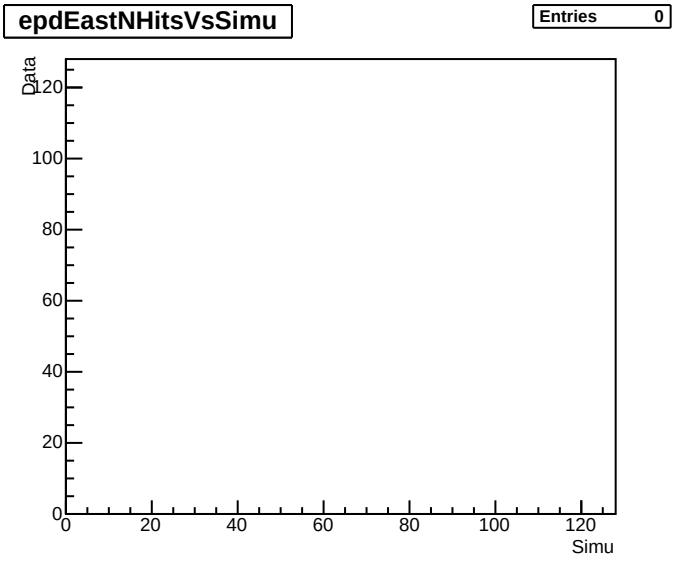
Entries 0
Data
Simu


epdEastTac47
Entries 40051


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 40051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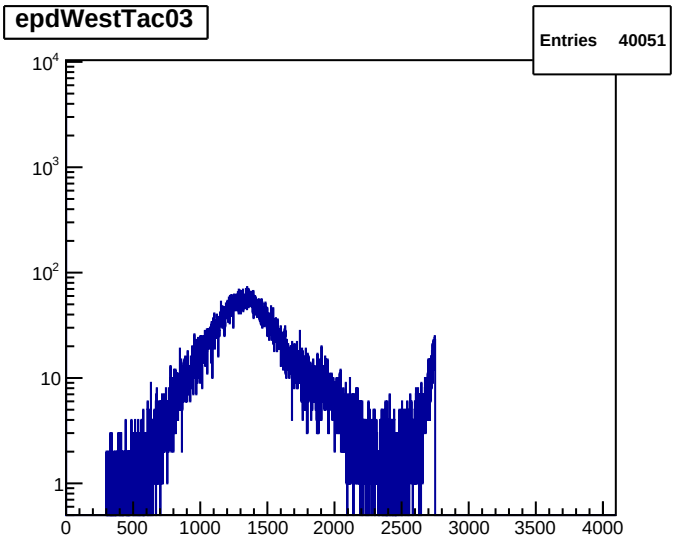
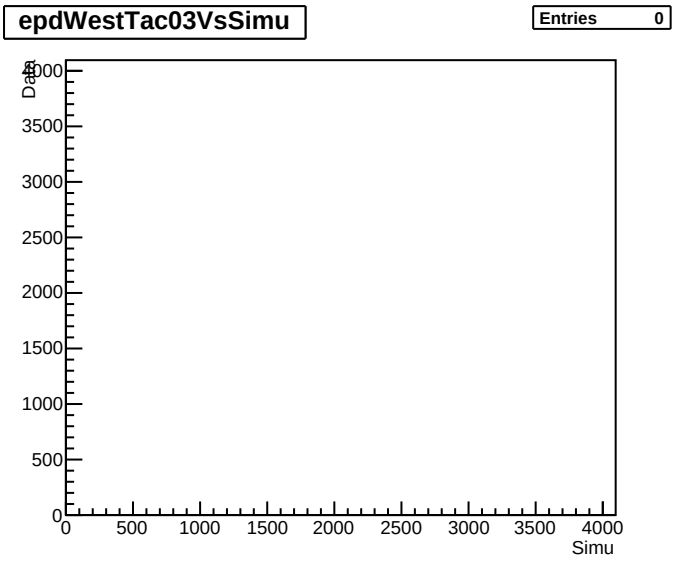
Entries 0
Data
Simu


epdWestTac03
Entries 40051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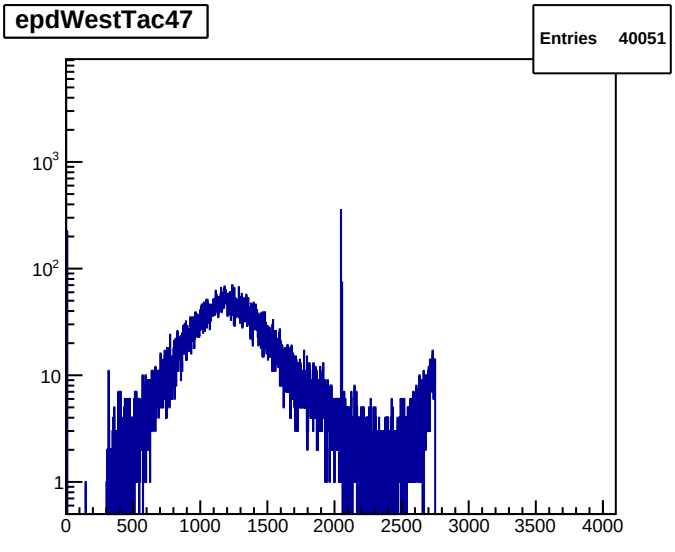
Entries 0
Data
Simu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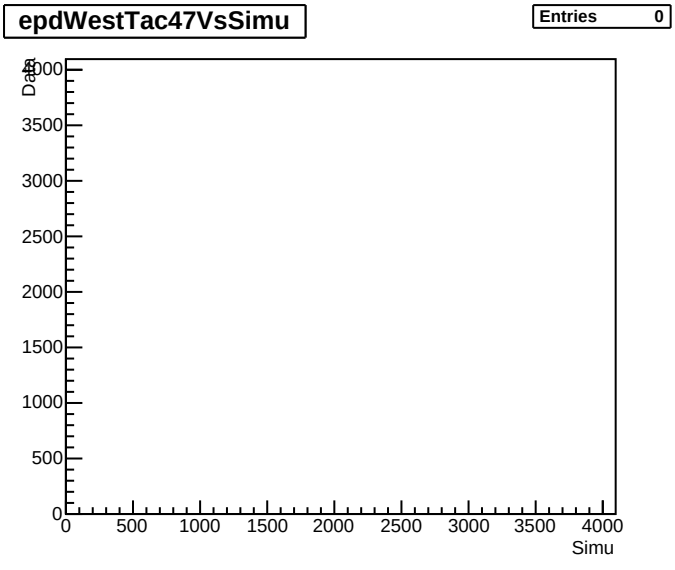
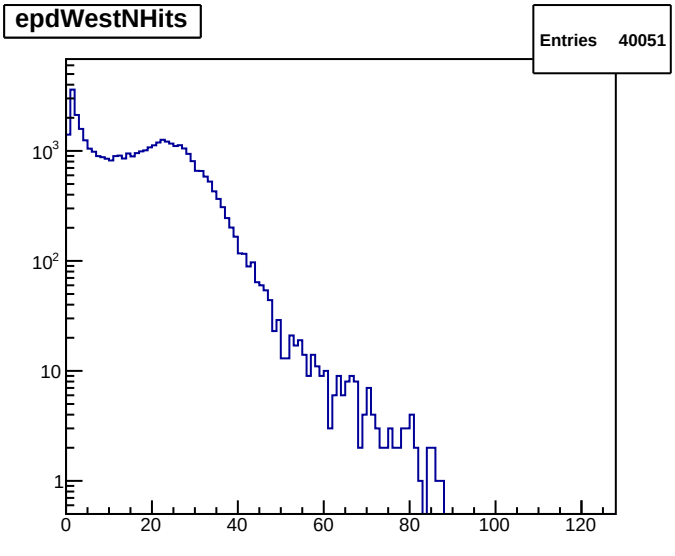
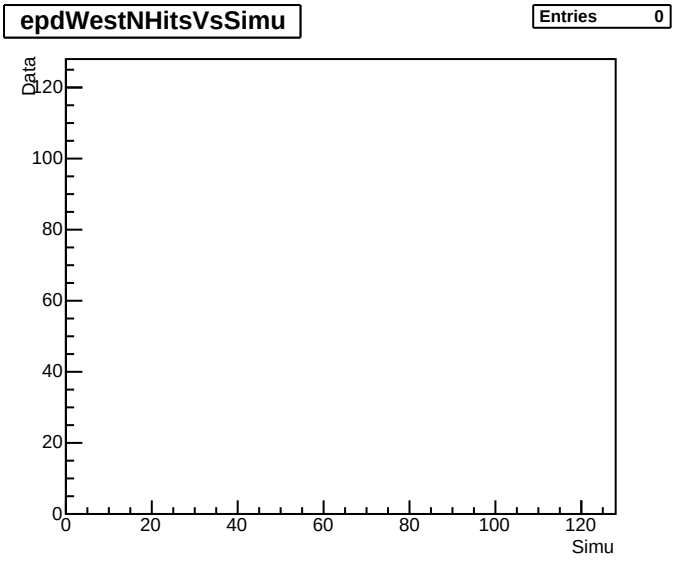
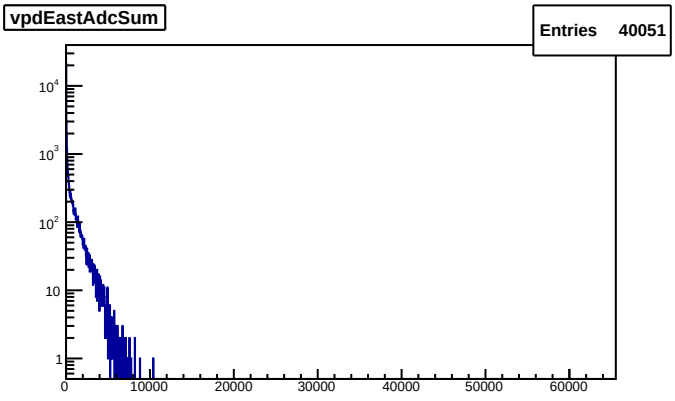
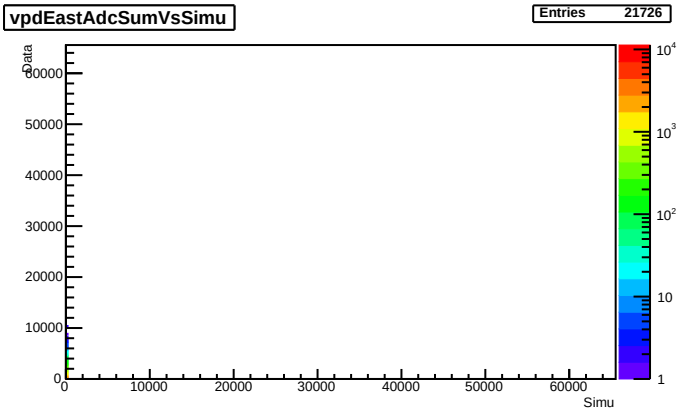
Entries 40051

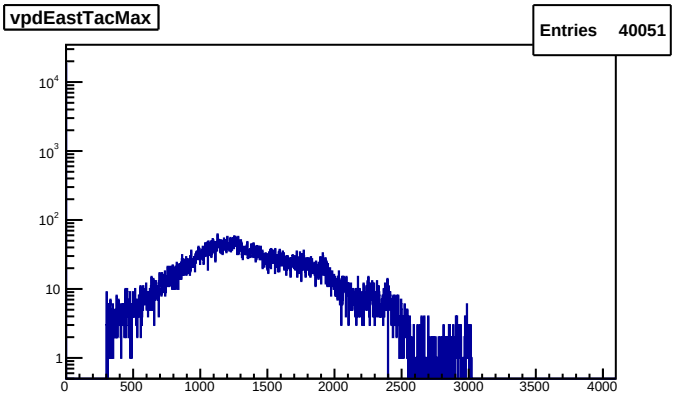

epdWestTac47VsSimu
Entries 0
Data
Simu

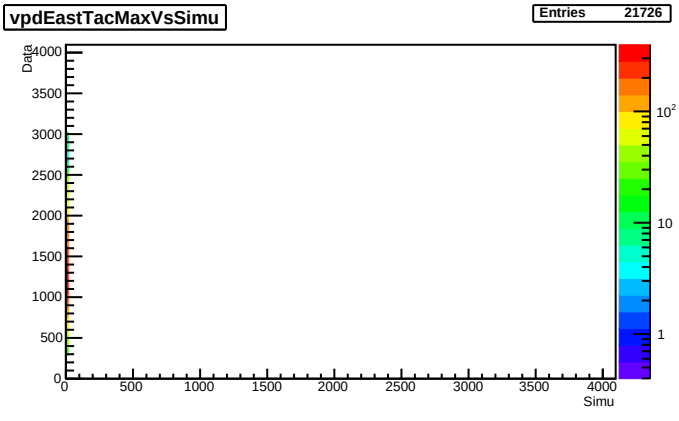

epdWestNHits
Entries 40051

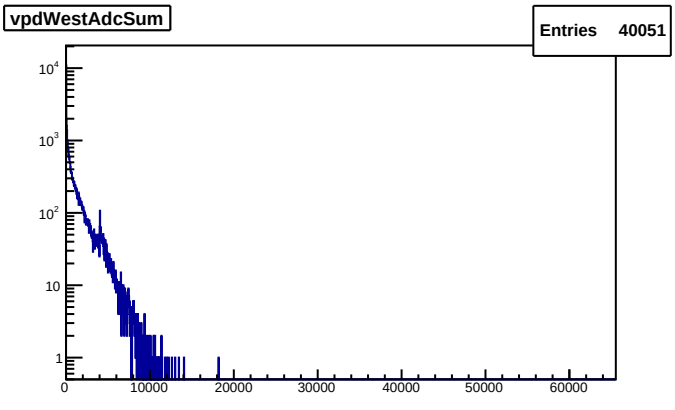

epdWestNHitsVsSimu
Entries 0
Data
Simu

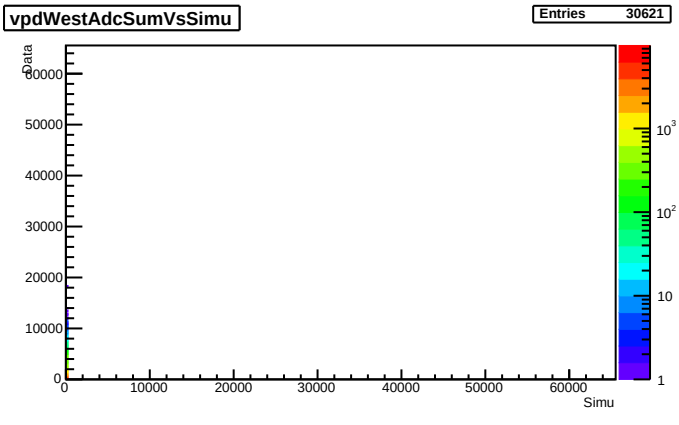

vpdEastAdcSum
Entries 40051

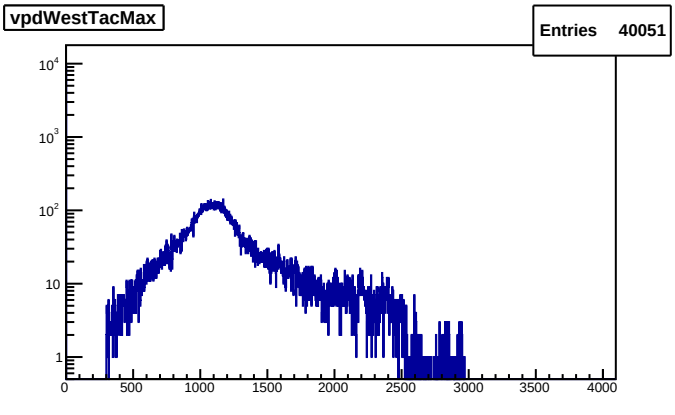

vpdEastAdcSumVsSimu
Entries 21726
Data
Simu

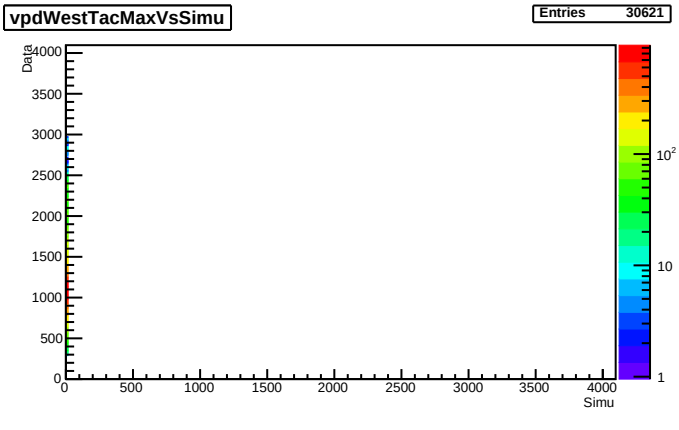

vpdEastTacMax
Entries 40051

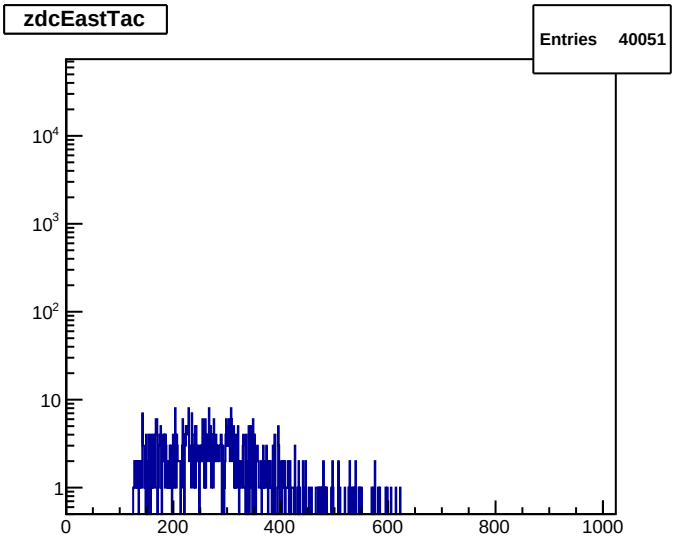

vpdEastTacMaxVsSimu
Entries 21726
Data
Simu

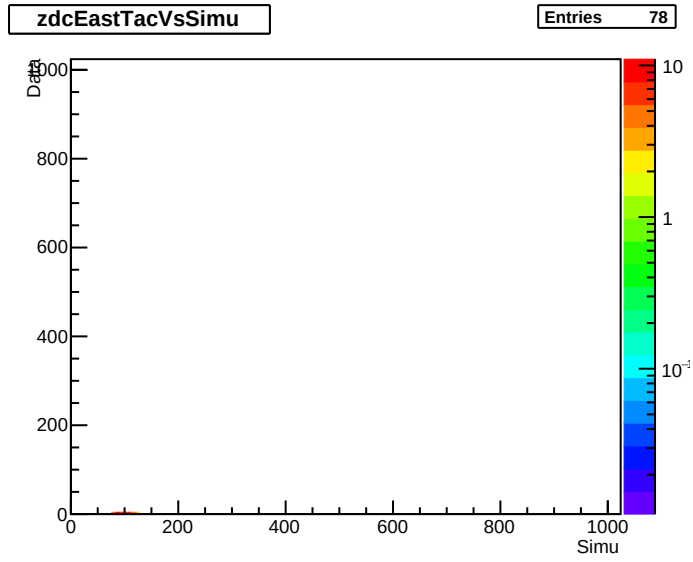

vpdWestAdcSum
Entries 40051

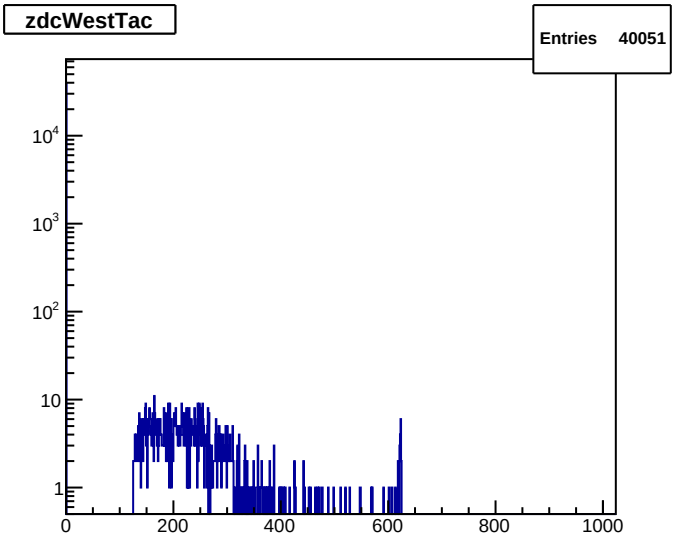

vpdWestAdcSumVsSimu
Entries 30621
Data
Simu

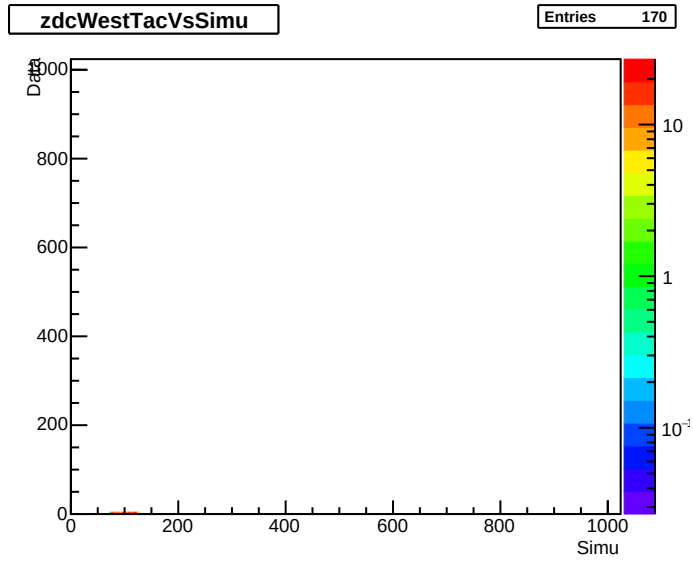

vpdWestTacMax
Entries 40051

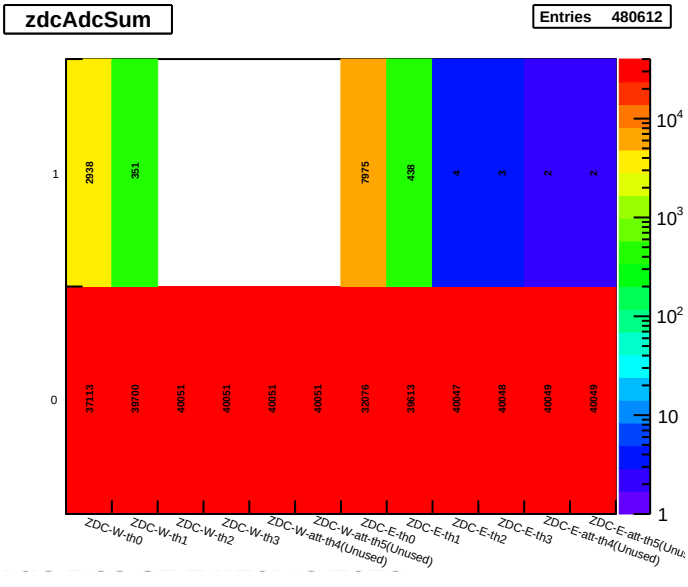

vpdWestTacMaxVsSimu
Entries 30621
Data
Simu

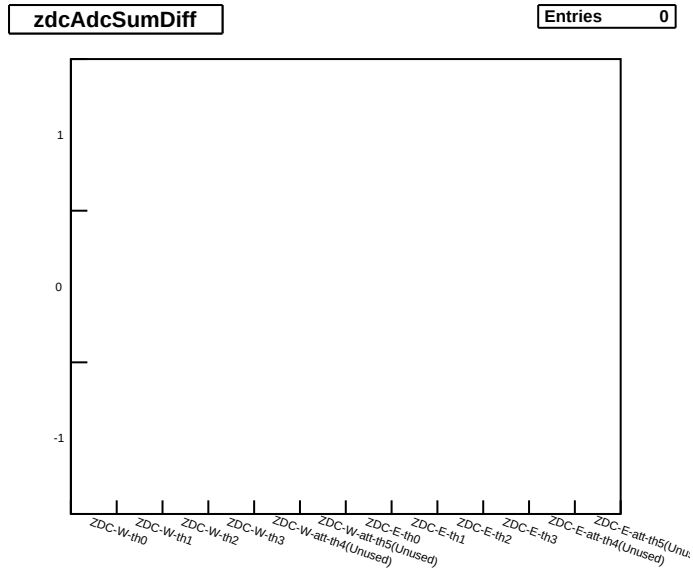

zdcEastTac
Entries 40051


zdcEastTacVsSimu
Entries 78
Data
Simu


zdcWestTac
Entries 40051


zdcWestTacVsSimu
Entries 170
Data
Simu


zdcAdcSum
Entries 480612
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)
ZDC-E-att-th5(Unu


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
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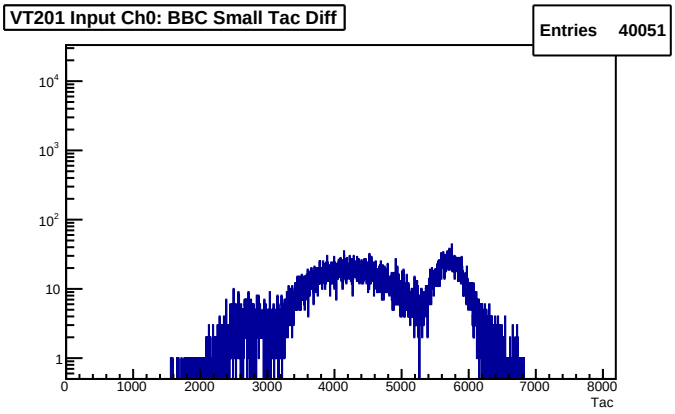
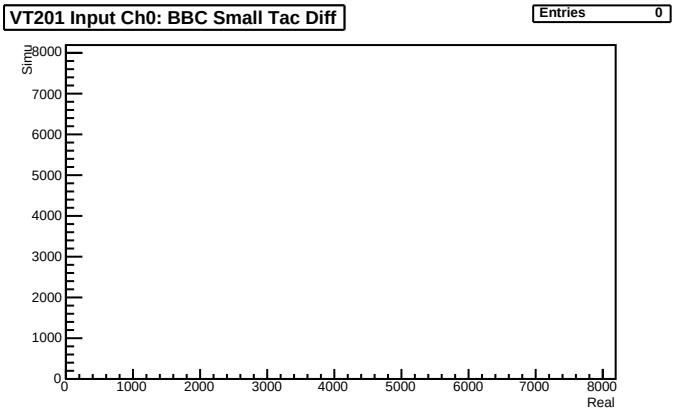
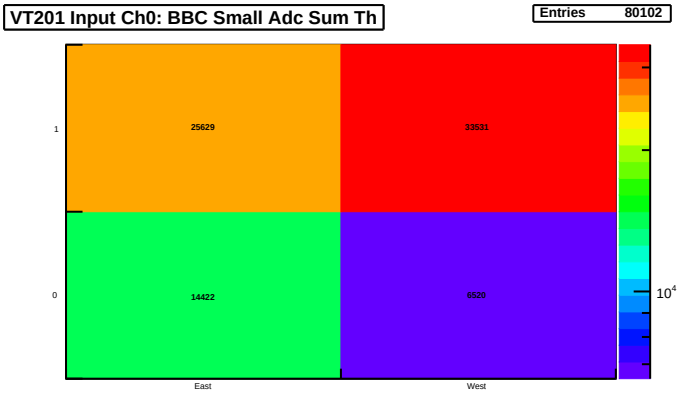
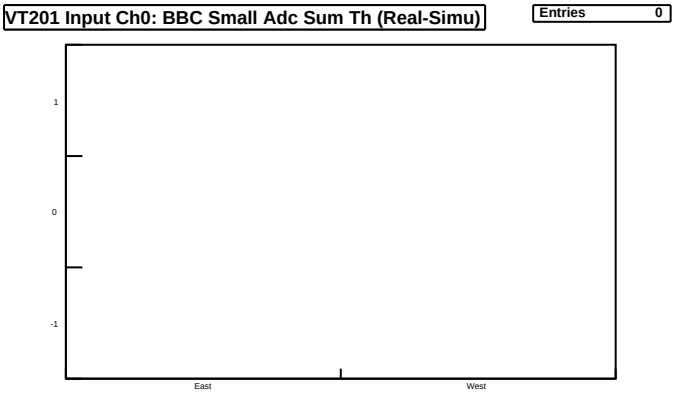
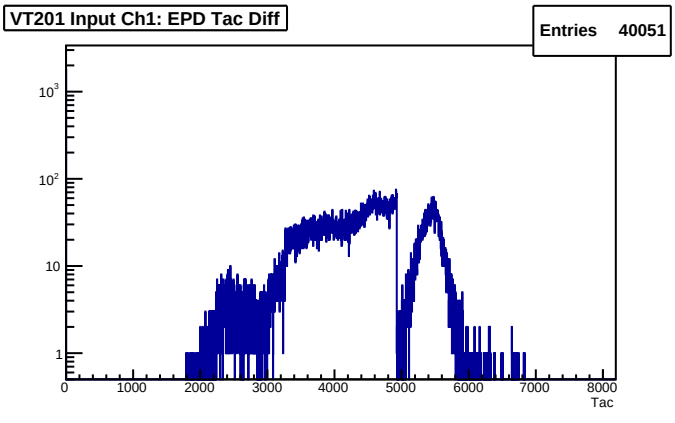
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

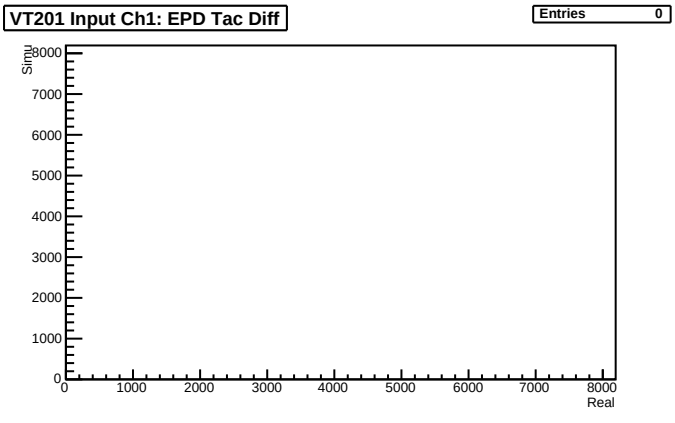

VT201 Input Ch0: BBC Small Tac Diff
Entries 40051
Tac

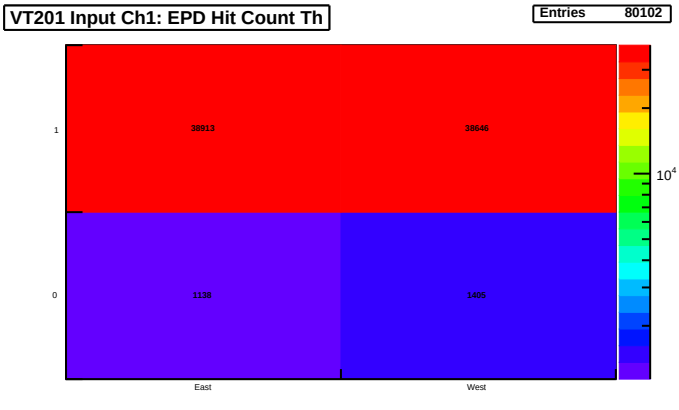

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

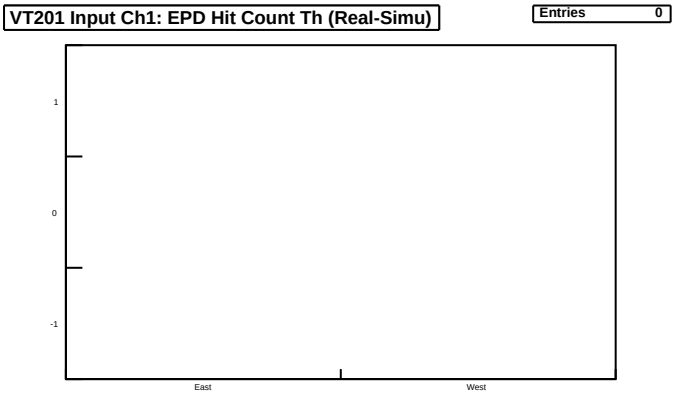

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 80102
25629
33531
14422
6520
East
West

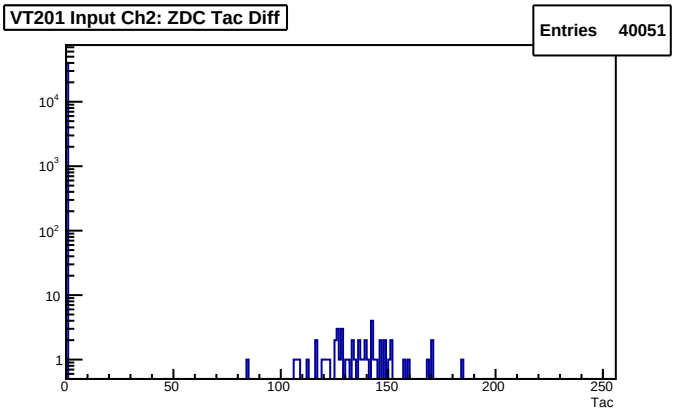

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

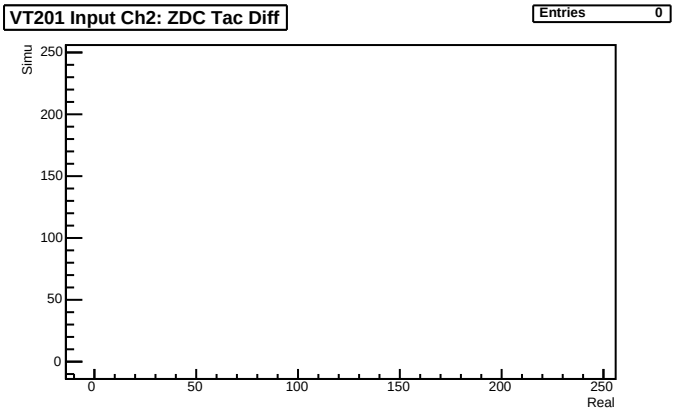

VT201 Input Ch1: EPD Tac Diff
Entries 40051
Tac

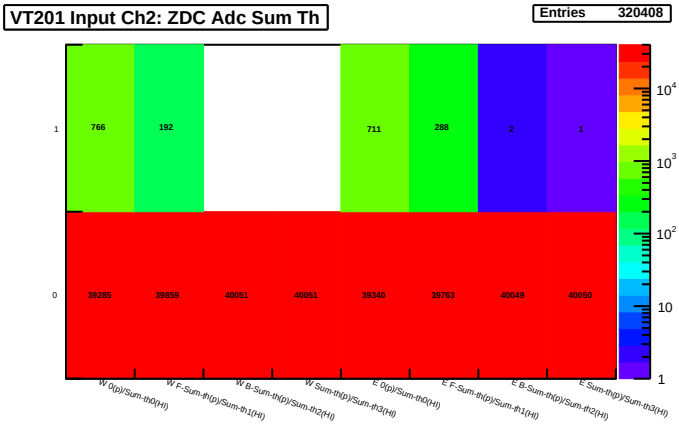

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

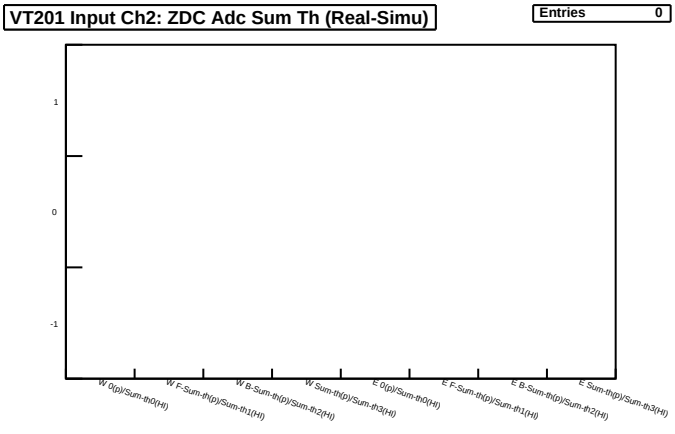

VT201 Input Ch1: EPD Hit Count Th
Entries 80102
38913
38646
1138
1405
East
West

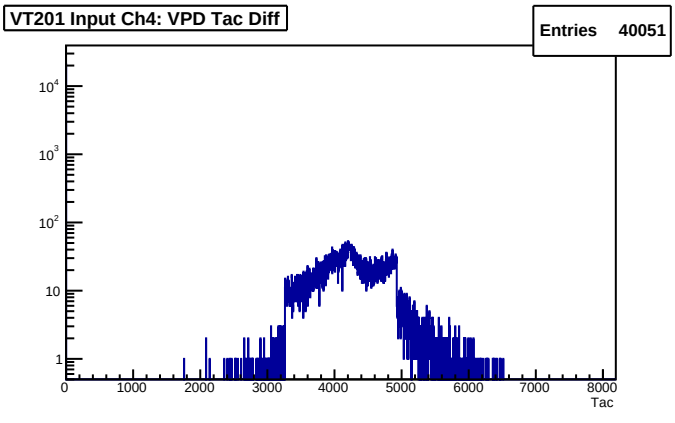

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

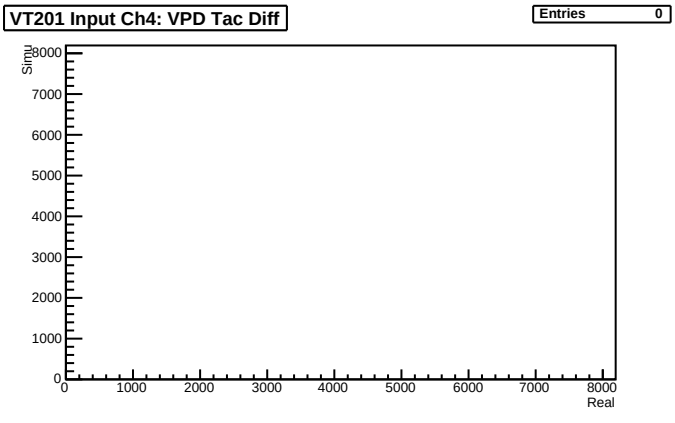

VT201 Input Ch2: ZDC Tac Diff
Entries 40051
Tac

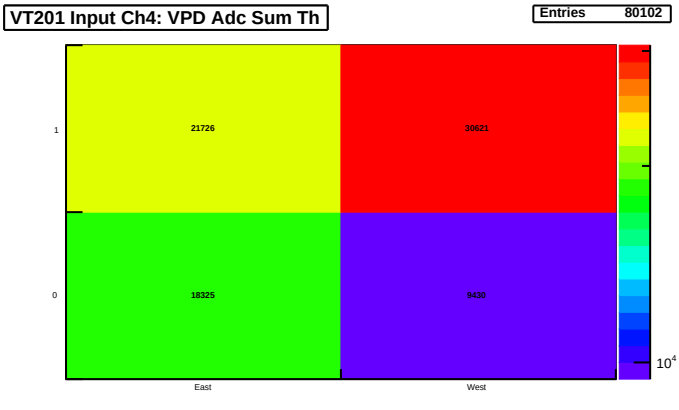

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

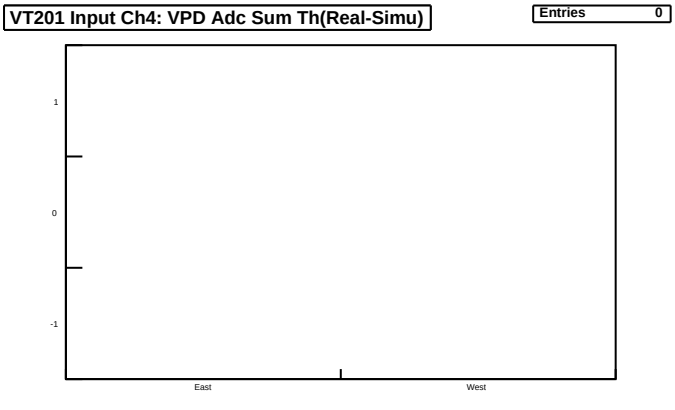

VT201 Input Ch2: ZDC Adc Sum Th
Entries 320408
766
192
711
288
2
1
39285
39859
40051
40051
39340
39763
40049
40050
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

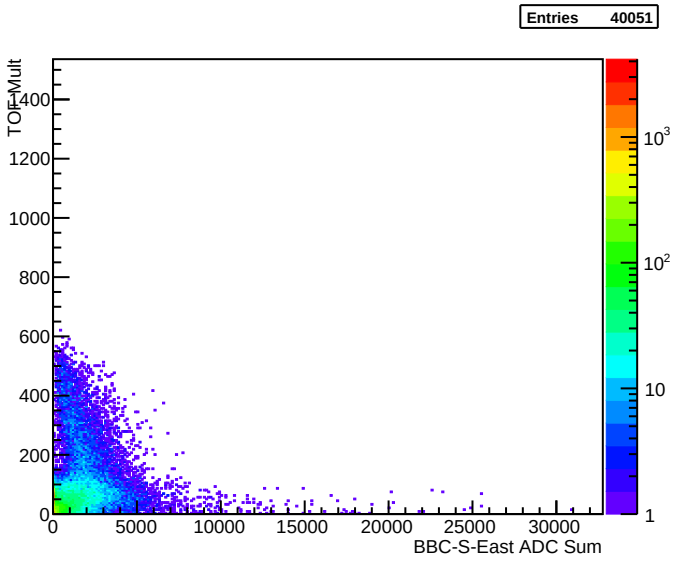

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

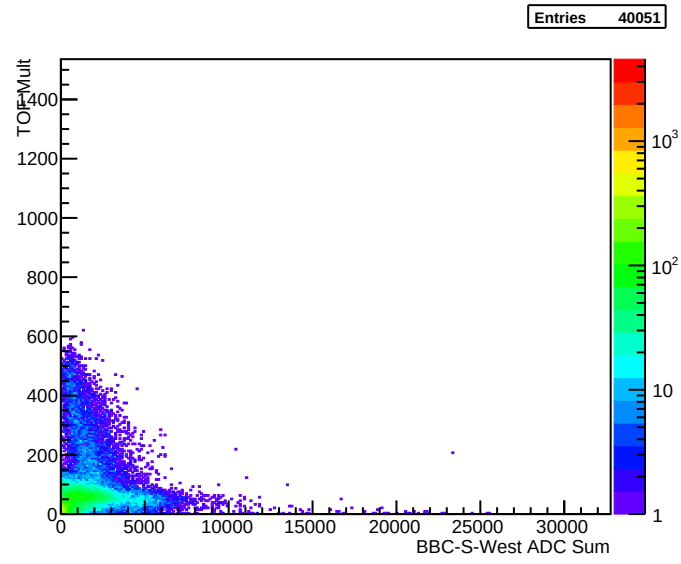

VT201 Input Ch4: VPD Tac Diff
Entries 40051
Tac

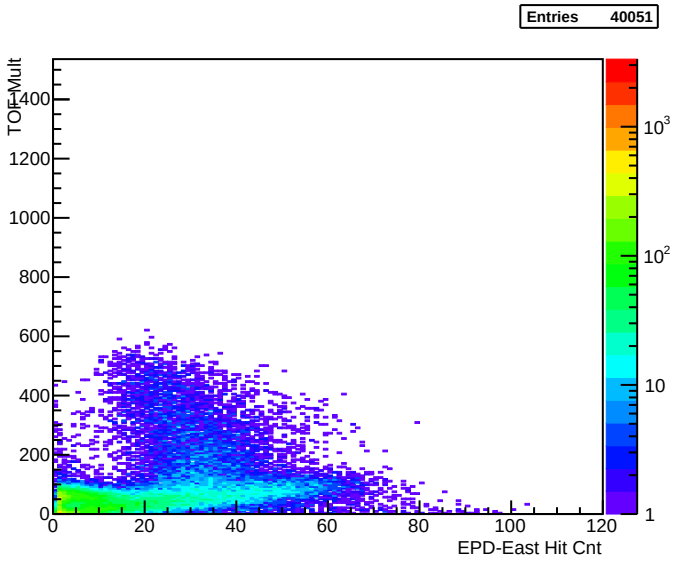

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

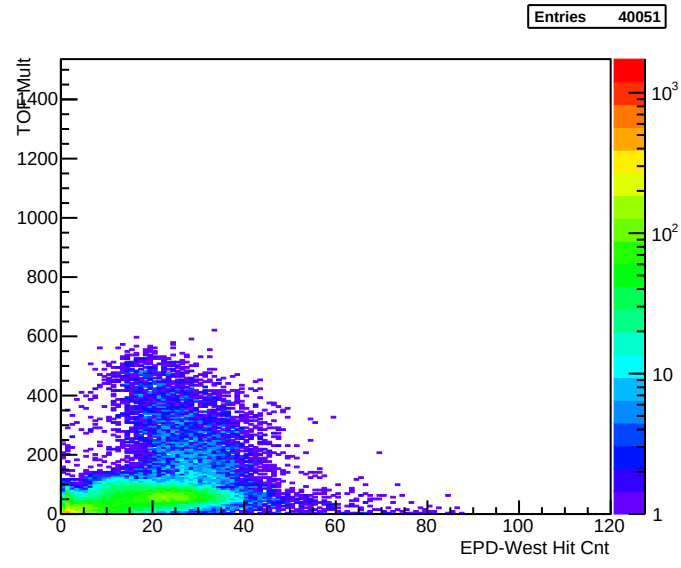

VT201 Input Ch4: VPD Adc Sum Th
Entries 80102
21726
30621
18325
9430
East
West

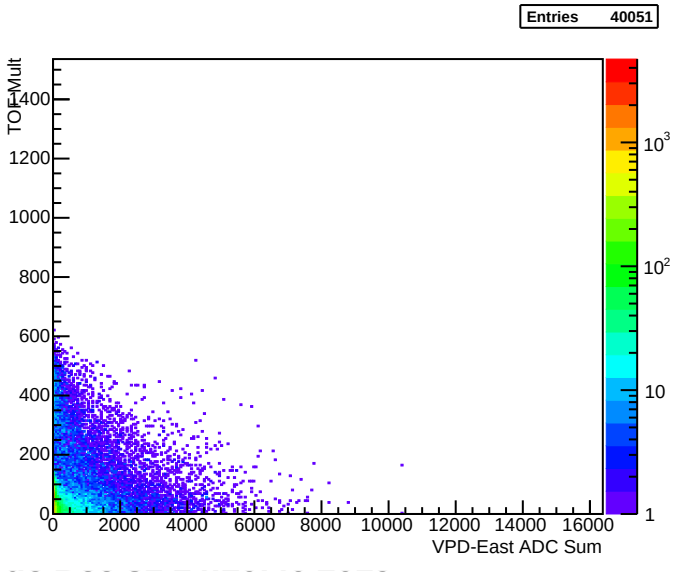

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

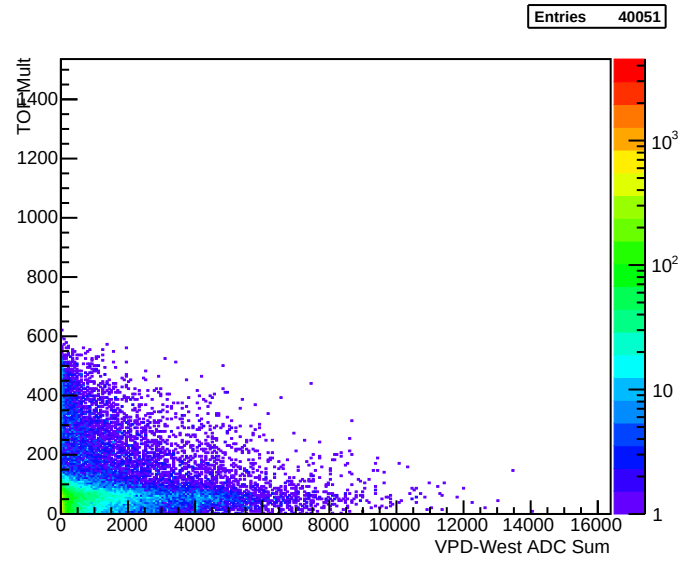

Entries 40051
TOF-Mult
BBC-S-East ADC Sum

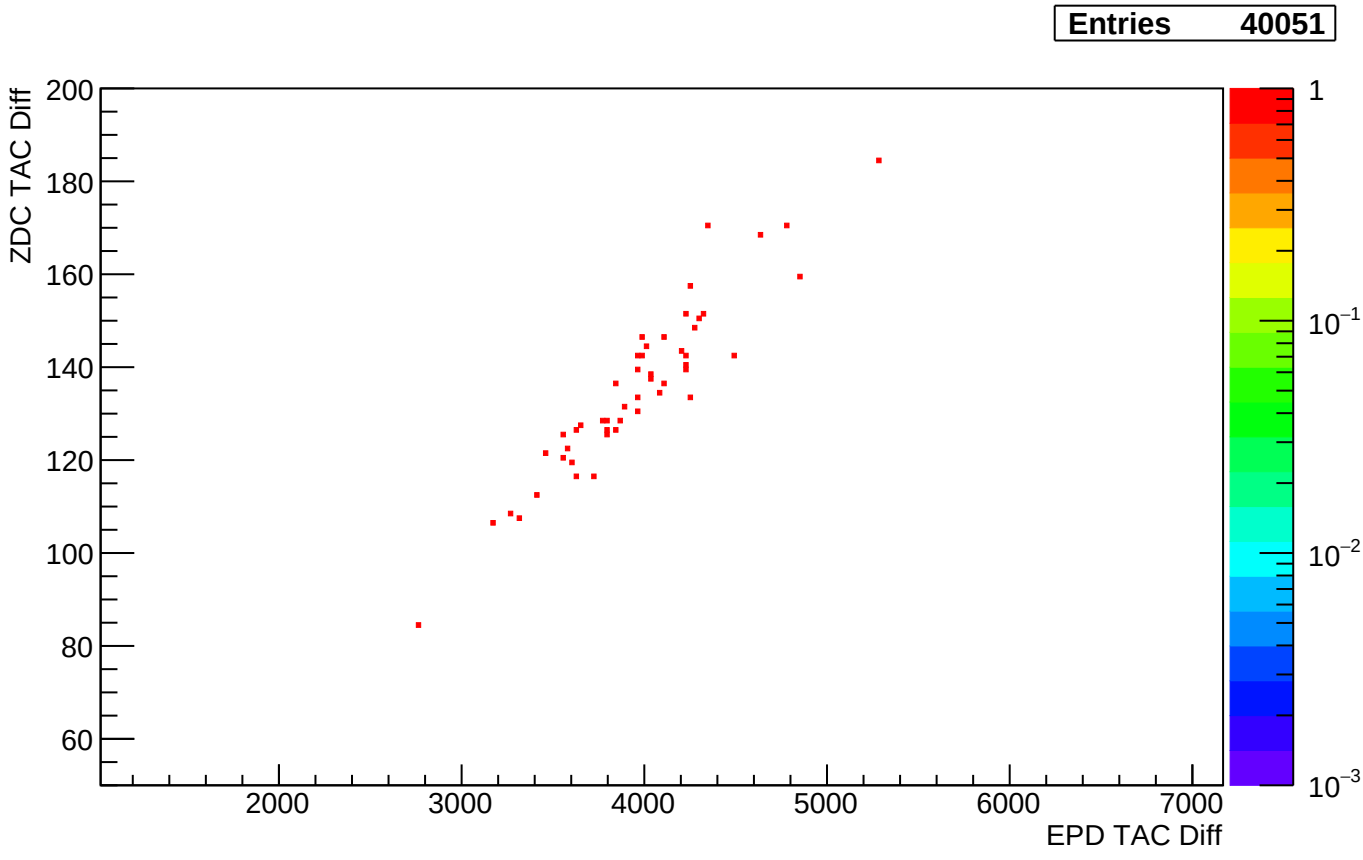

Entries 40051
TOF-Mult
BBC-S-West ADC Sum

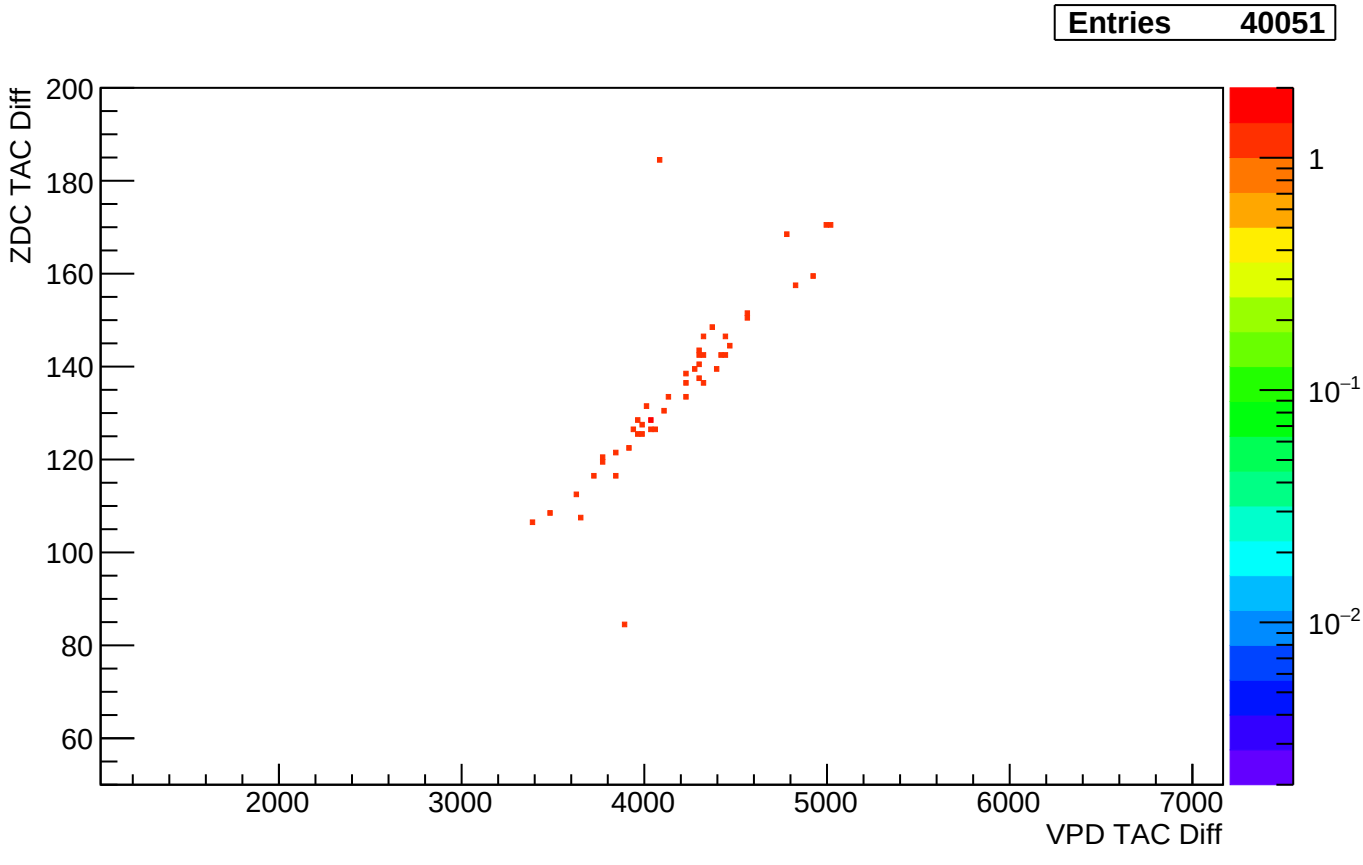

Entries 40051
TOF-Mult
EPD-East Hit Cnt

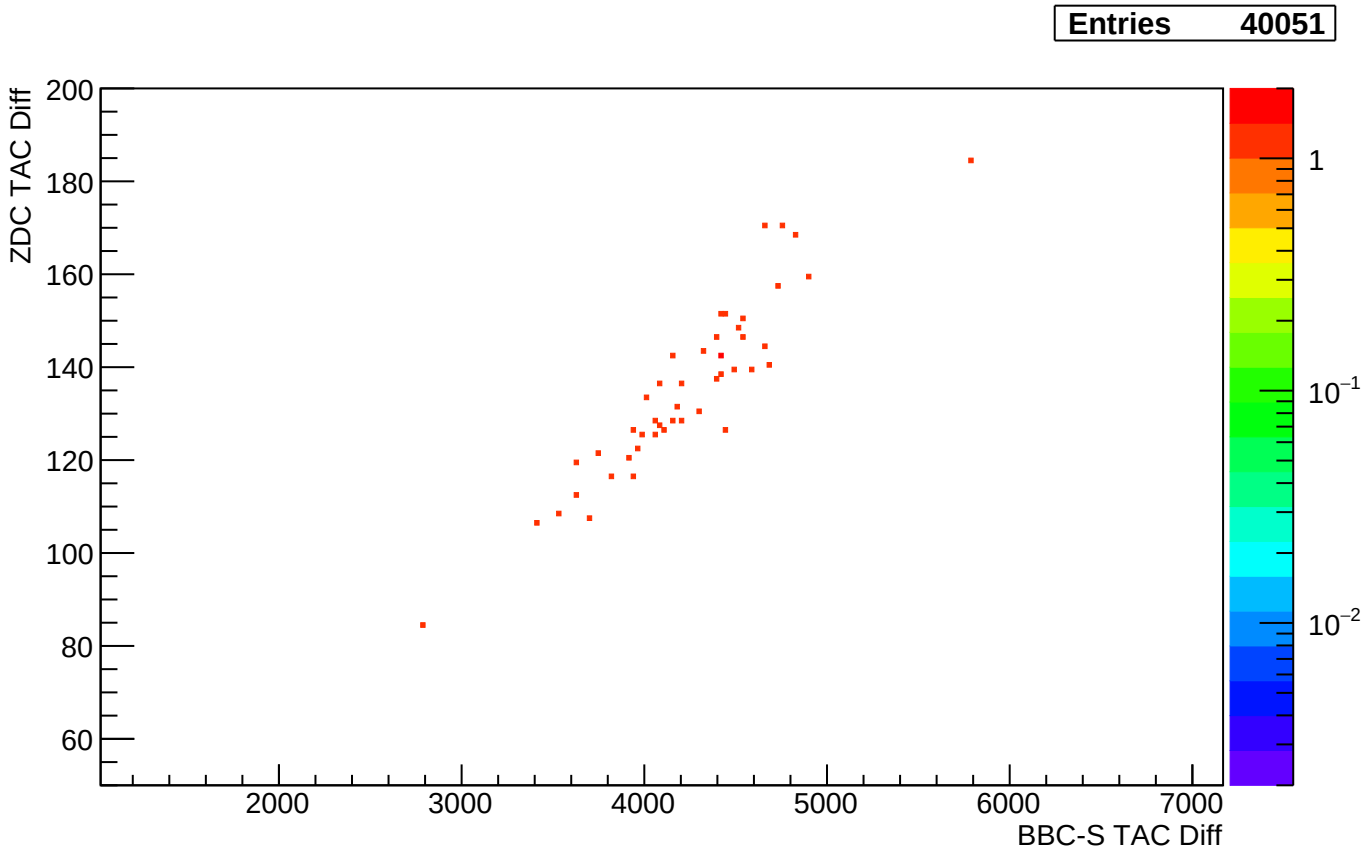

Entries 40051
TOF-Mult
EPD-West Hit Cnt

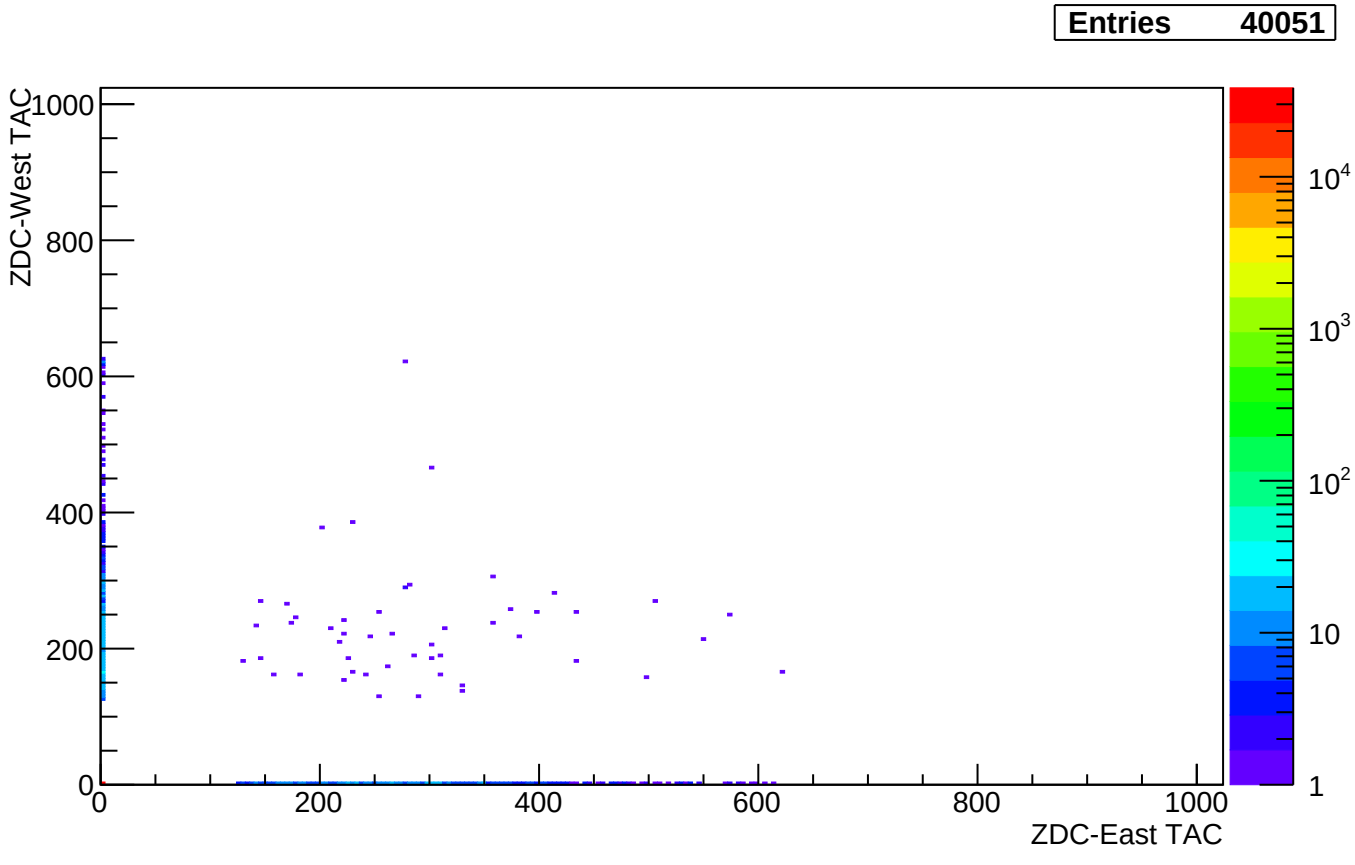

Entries 40051
TOF-Mult
VPD-East ADC Sum

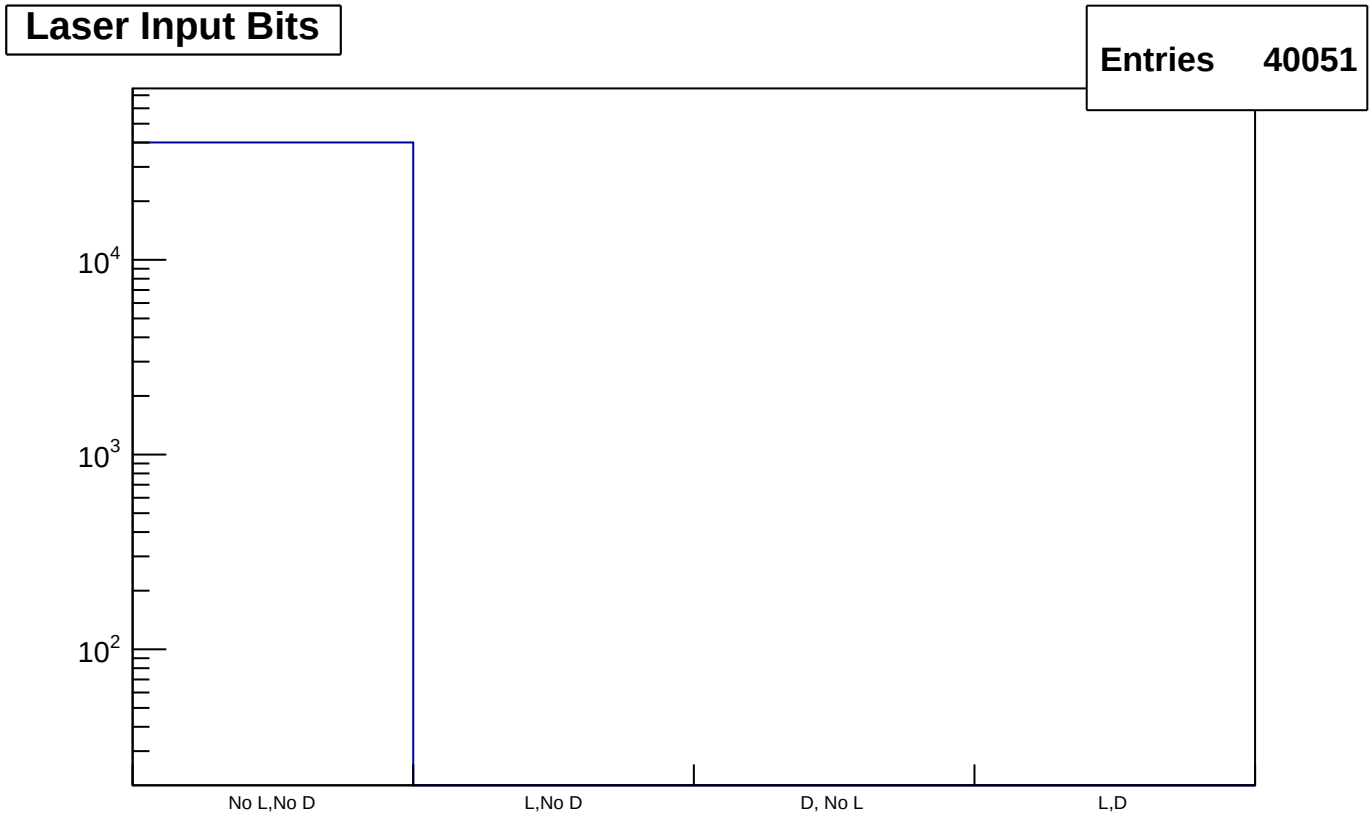

Entries 40051
TOF-Mult
VPD-West ADC Sum

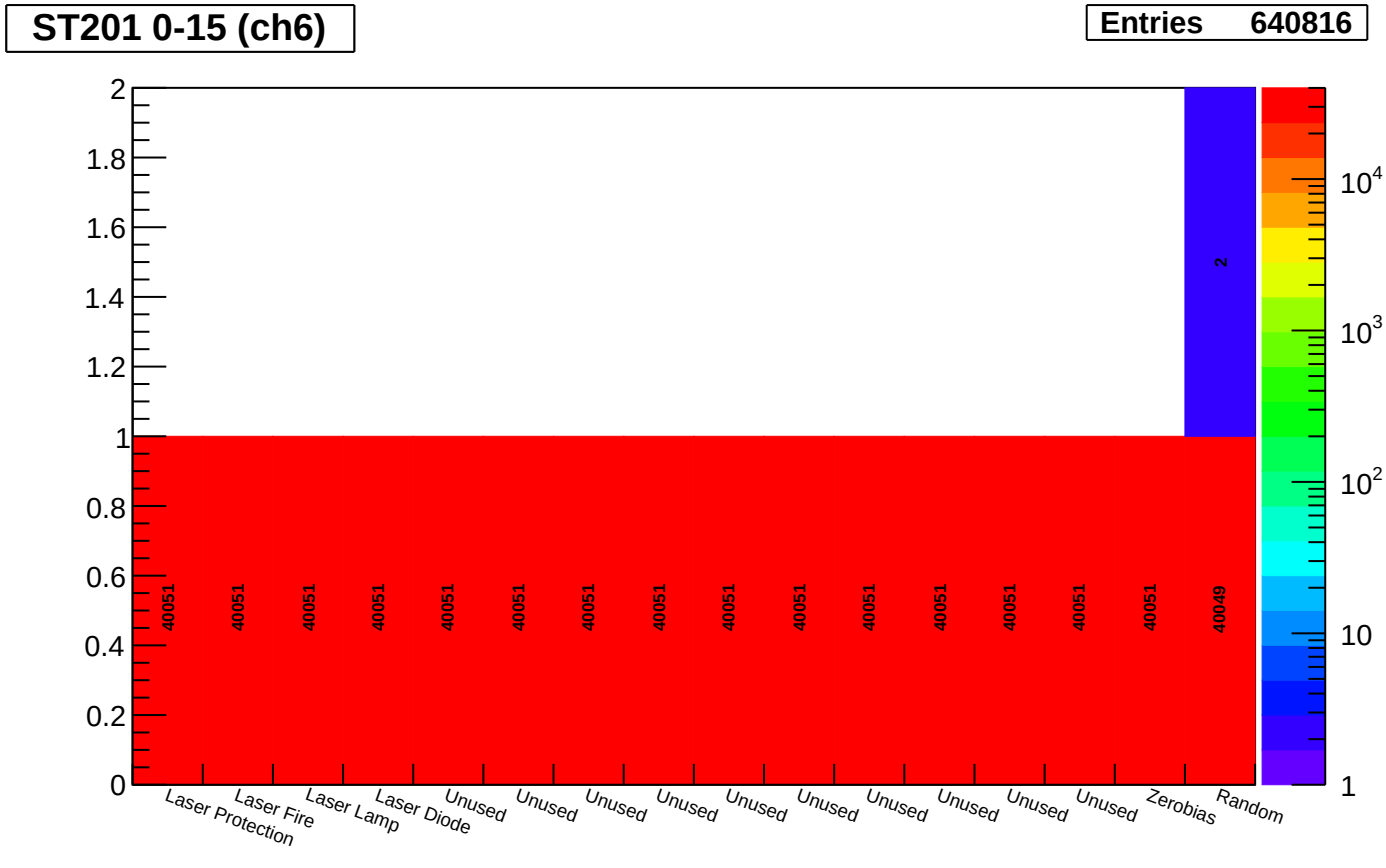

Entries 40051
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

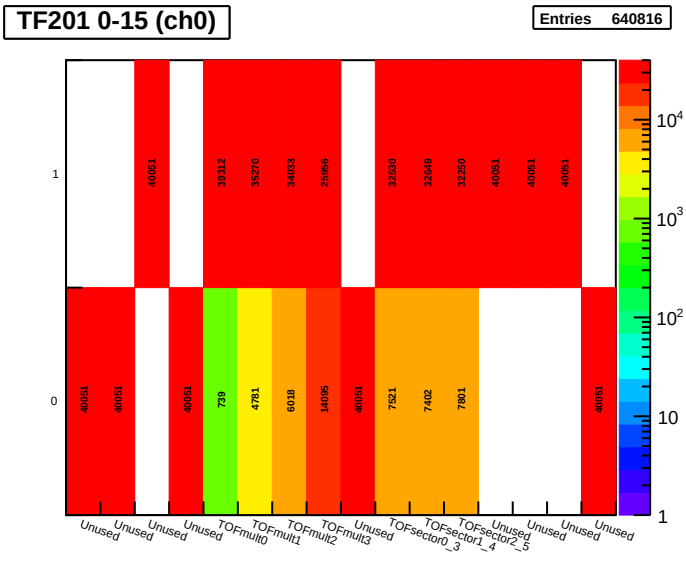

Entries 40051
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

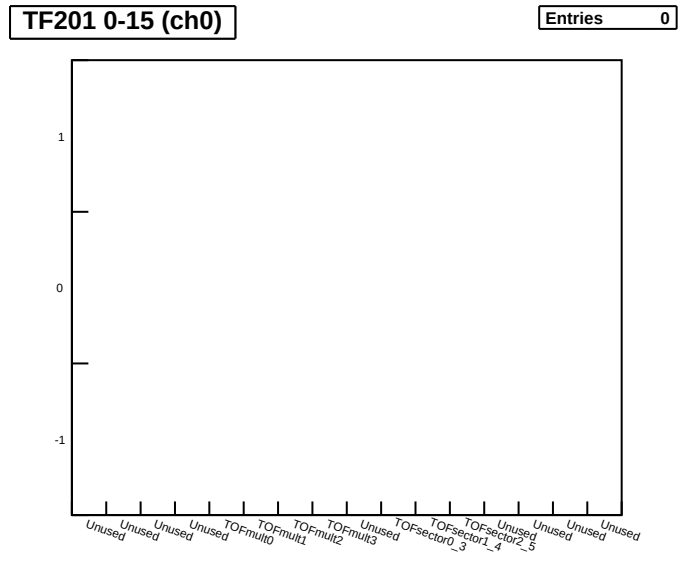

Entries 40051
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

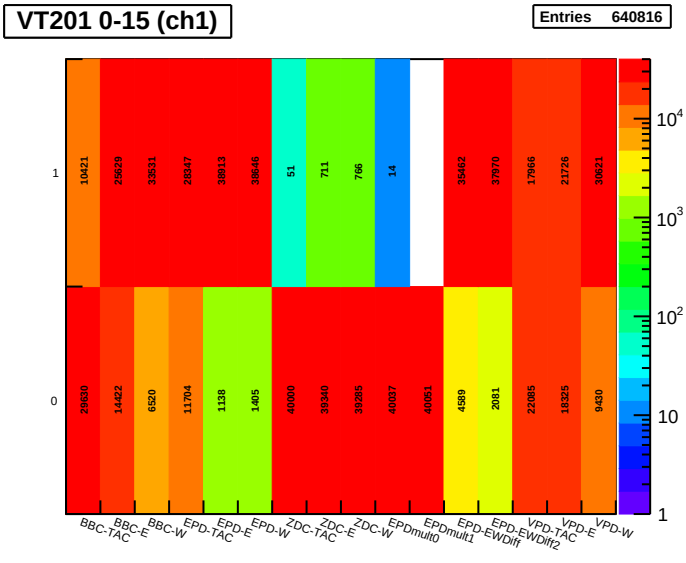

Entries 40051
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

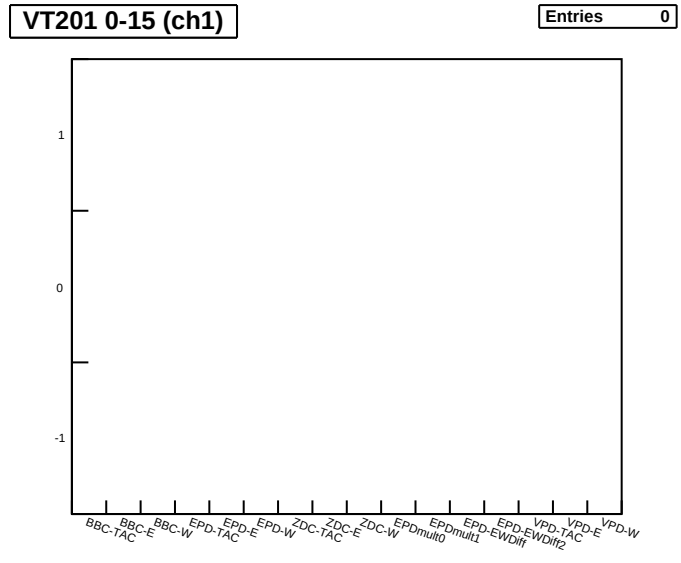

Laser Input Bits
Entries 40051
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

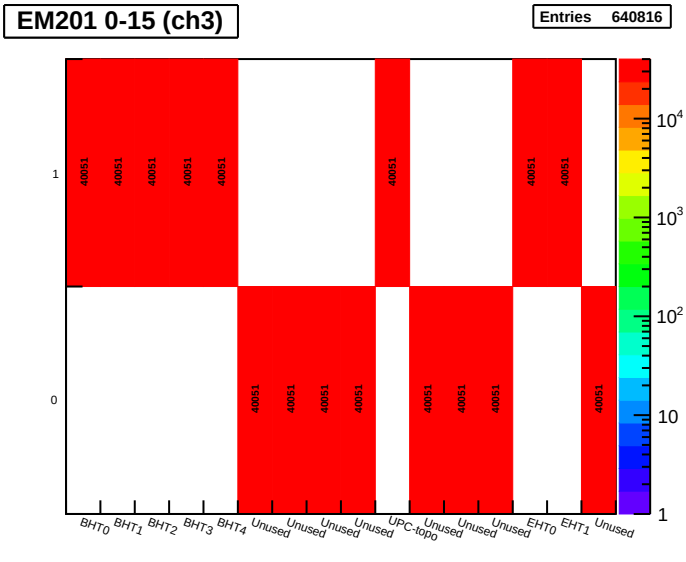

ST201 0-15 (ch6)
Entries 640816
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
40051
40051
40051
40051
40051
40051
40051
40051
40051
40051
40051
40051
40051
40051
40051
40049
2
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random

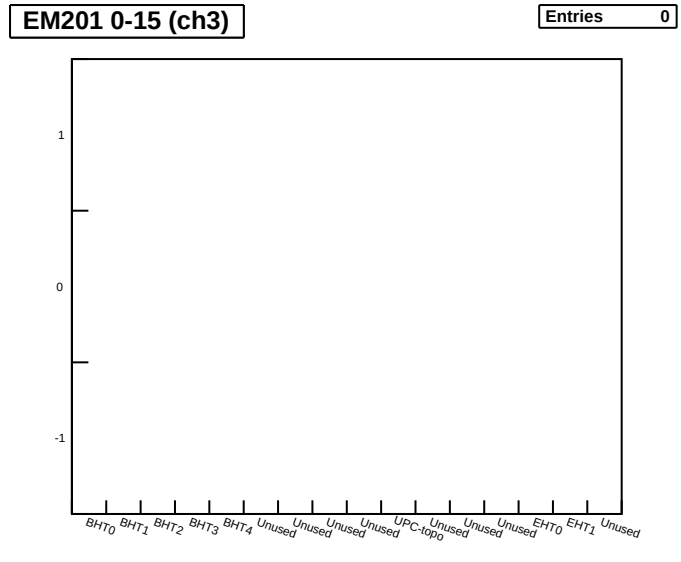

TF201 0-15 (ch0)
Entries 640816
1
0
40051 39312 35270 34033 25956 32530 32649 32250 40051 40051 40051
40051 40051 40051 739 4781 6018 14095 40051 7521 7402 7801 40051
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
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 640816
1
0
10421 25629 33531 28347 38913 38646 51 711 766 14 35462 37970 17966 21726 30621
29630 14422 6520 11704 1138 1405 40000 39340 39285 40037 40051 4589 2081 22085 18325 9430
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
10^4
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 640816
1
0
40051 40051 40051 40051 40051 40051 40051 40051
40051 40051 40051 40051 40051 40051 40051 40051
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
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