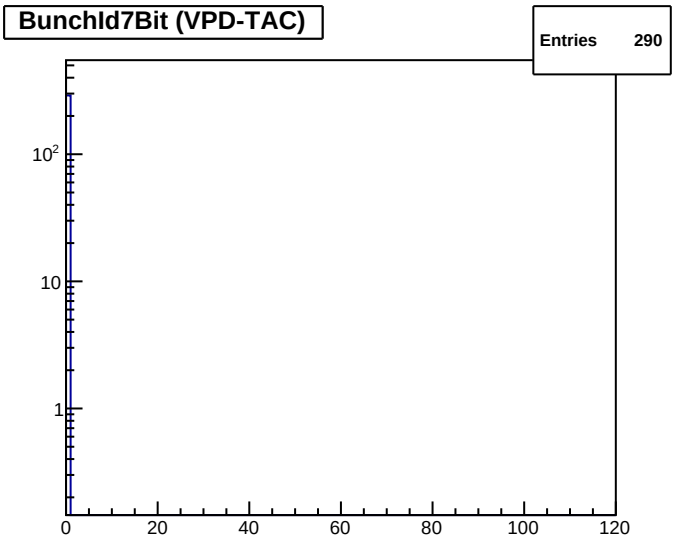
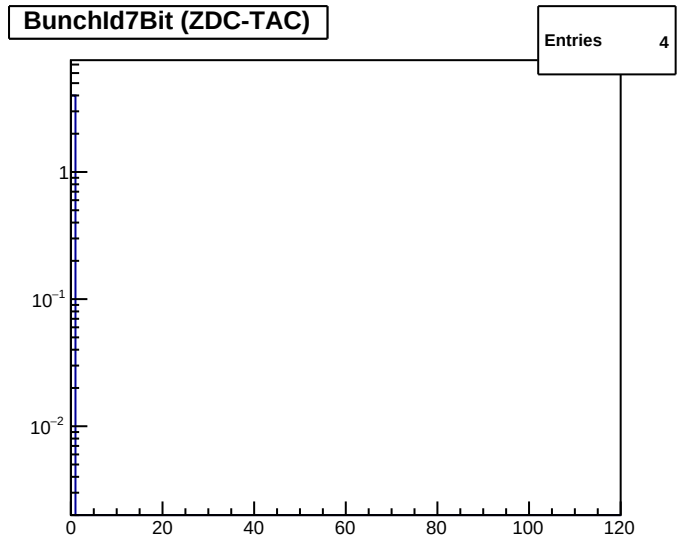
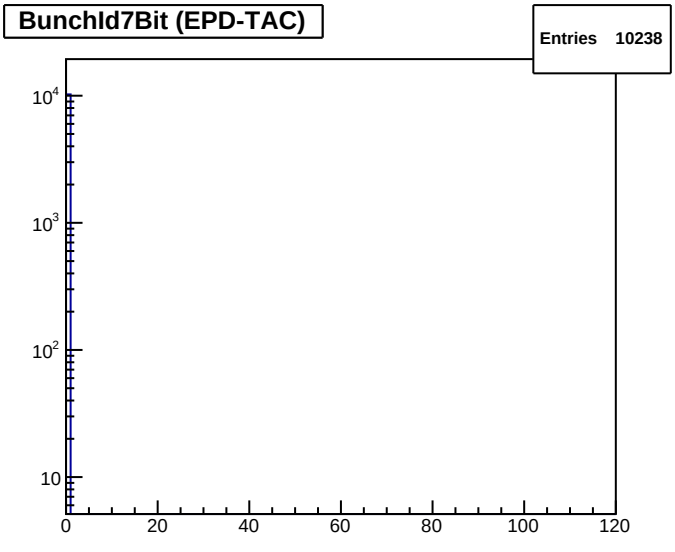
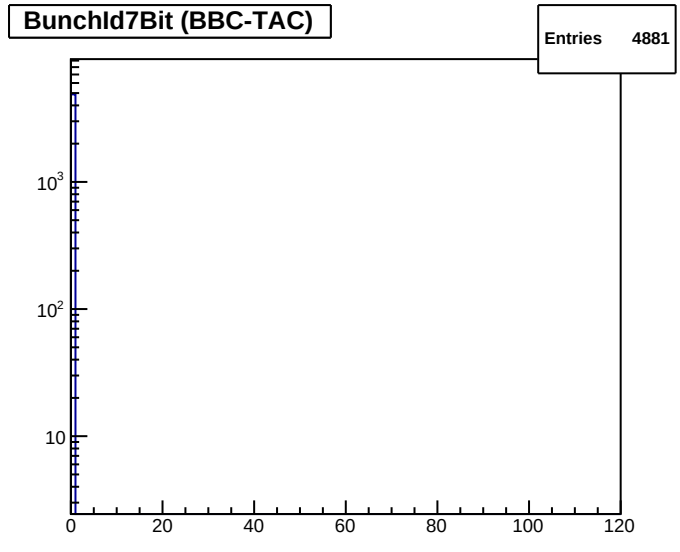
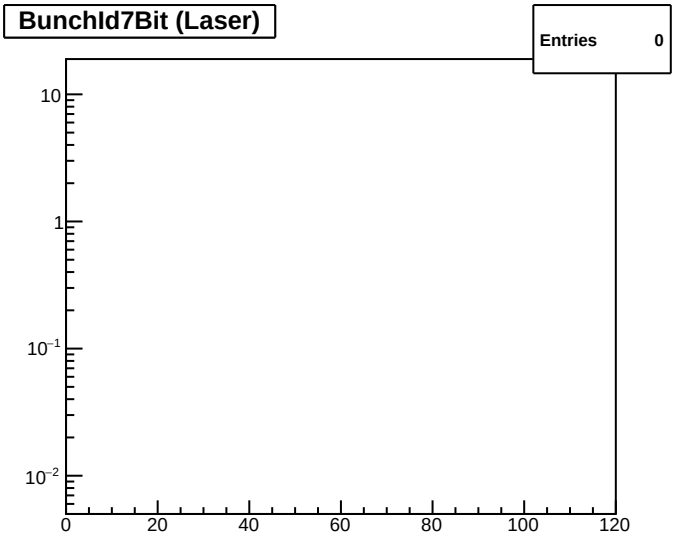
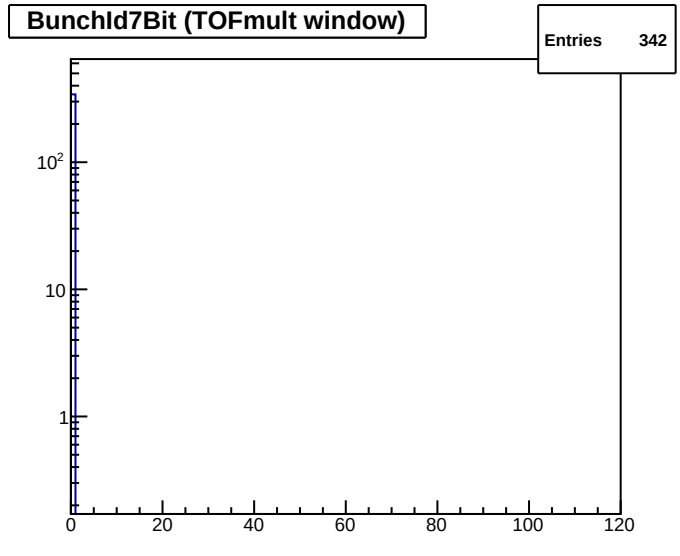

BunchId7Bit (VPD-TAC)
Entries 290
$10^2$
10
1
0
20
40
60
80
100
120

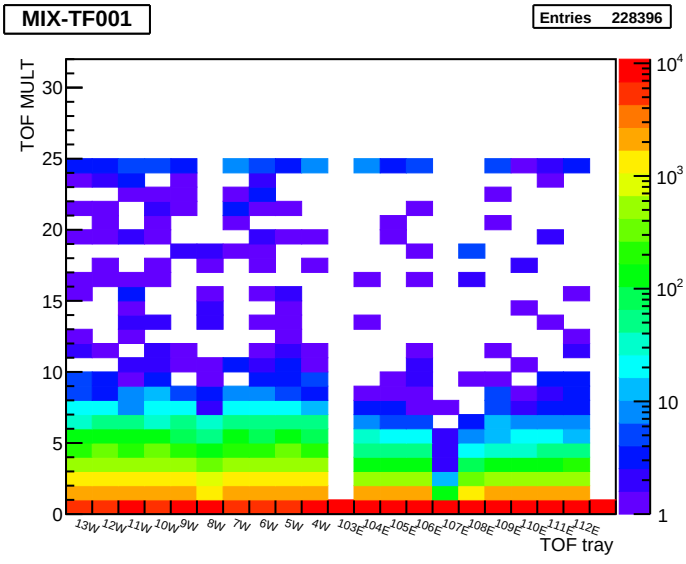

BunchId7Bit (ZDC-TAC)
Entries 4
1
$10^{-1}$
$10^{-2}$
0
20
40
60
80
100
120

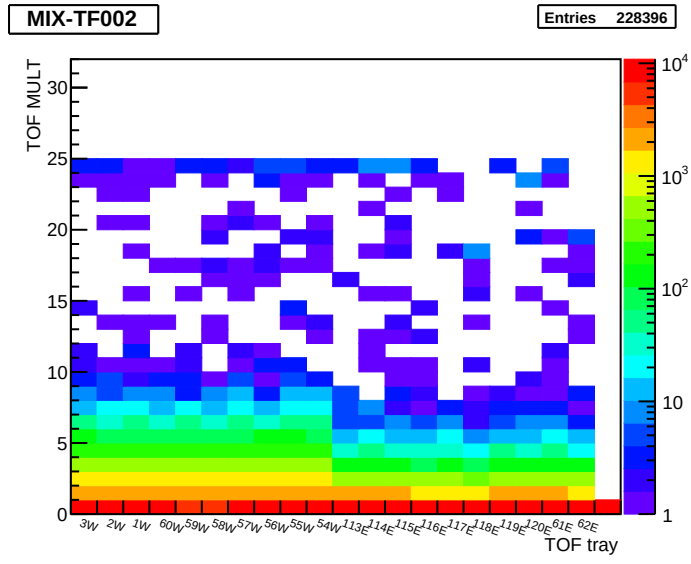

BunchId7Bit (EPD-TAC)
Entries 10238
$10^4$
$10^3$
$10^2$
10
0
20
40
60
80
100
120

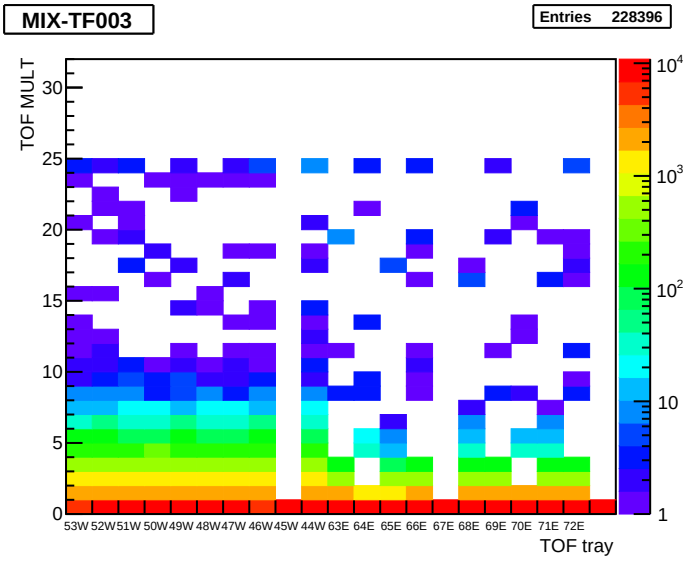

BunchId7Bit (BBC-TAC)
Entries 4881
$10^3$
$10^2$
10
0
20
40
60
80
100
120

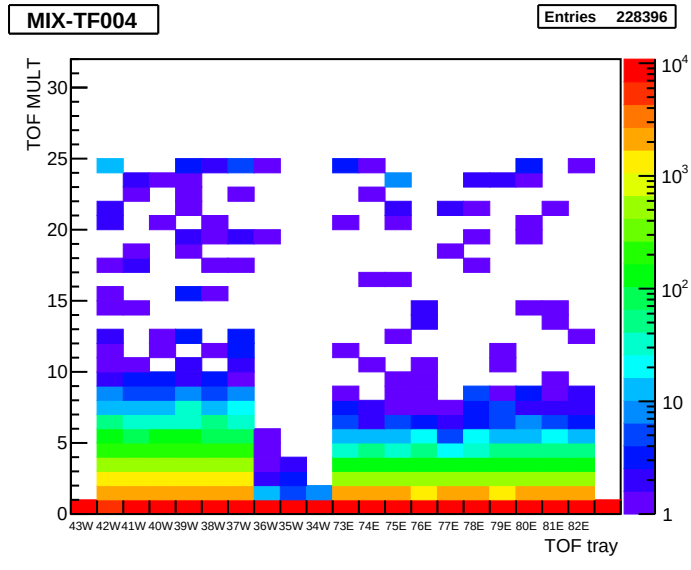

BunchId7Bit (Laser)
Entries 0
10
1
$10^{-1}$
$10^{-2}$
0
20
40
60
80
100
120

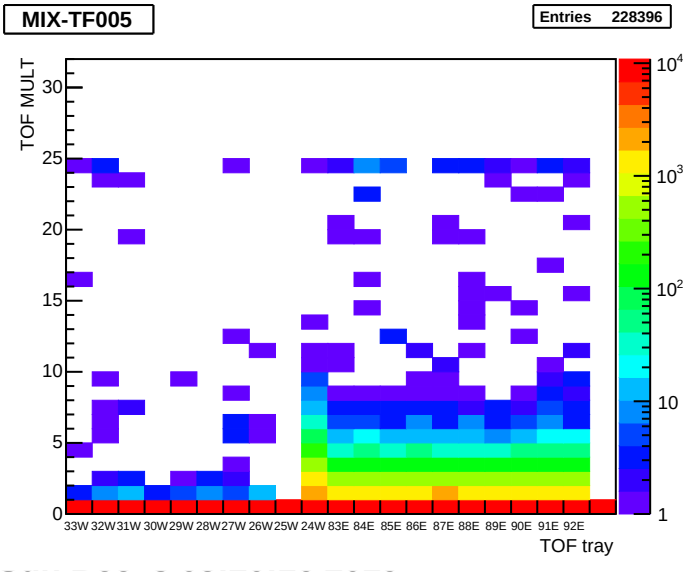

BunchId7Bit (TOFmult window)
Entries 342
$10^2$
10
1
0
20
40
60
80
100
120

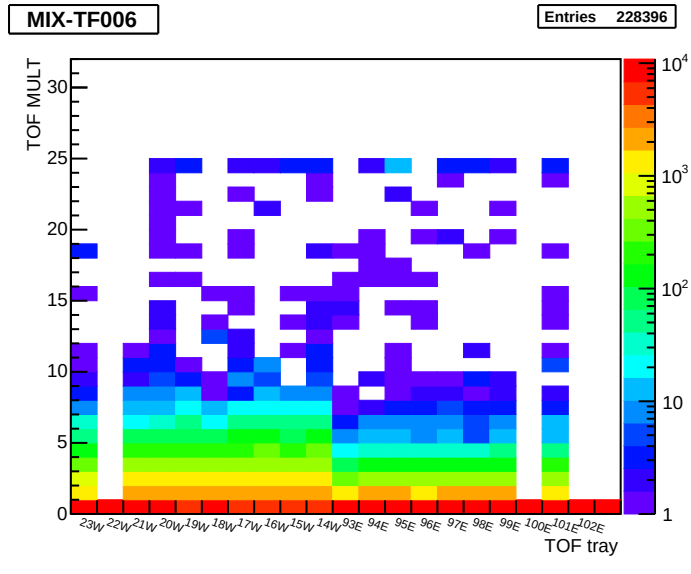

MIX-TF001
Entries 228396
TOF MULT
TOF tray

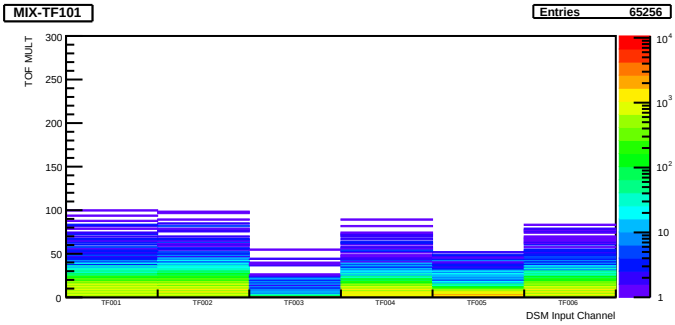

MIX-TF002
Entries 228396
TOF MULT
TOF tray

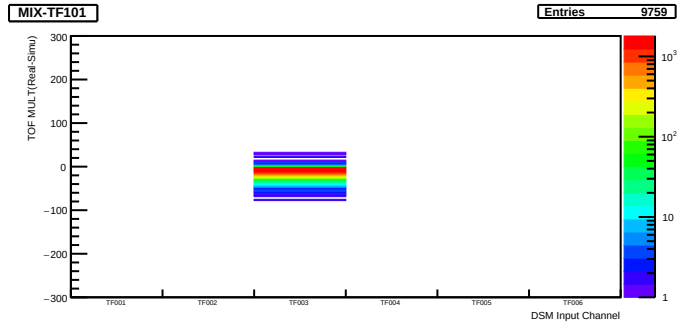

MIX-TF003
Entries 228396
TOF MULT
TOF tray

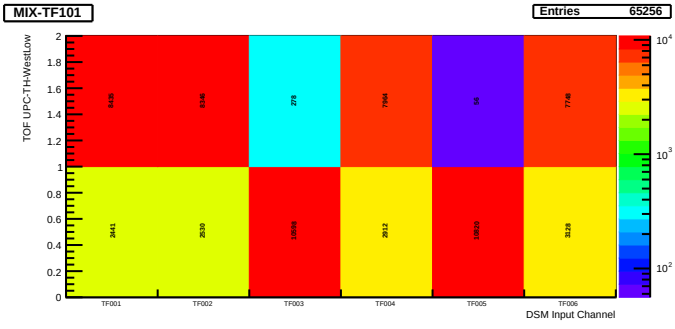

MIX-TF004
Entries 228396
TOF MULT
TOF tray

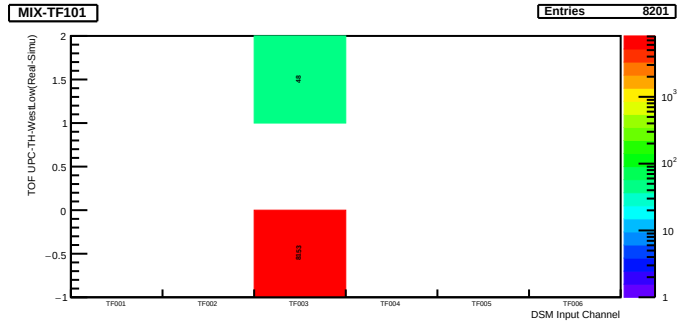

MIX-TF005
Entries 228396
TOF MULT
TOF tray

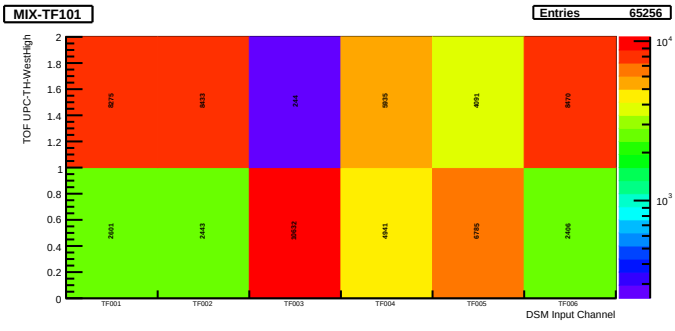

MIX-TF006
Entries 228396
TOF MULT
TOF tray

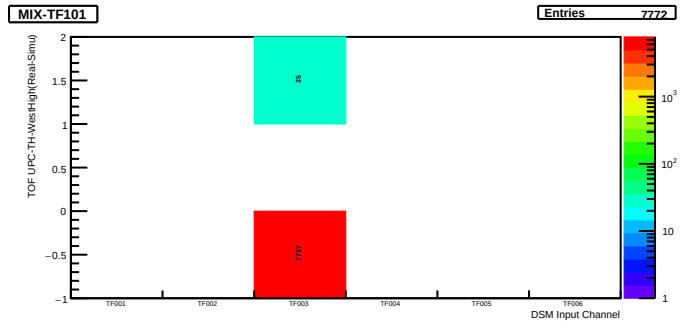

MIX-TF101
Entries 65256
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

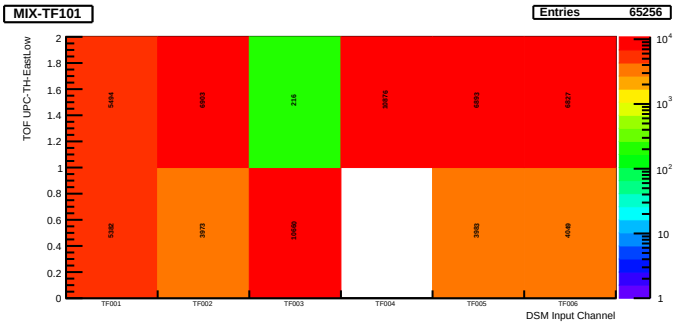

MIX-TF101
Entries 9759
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

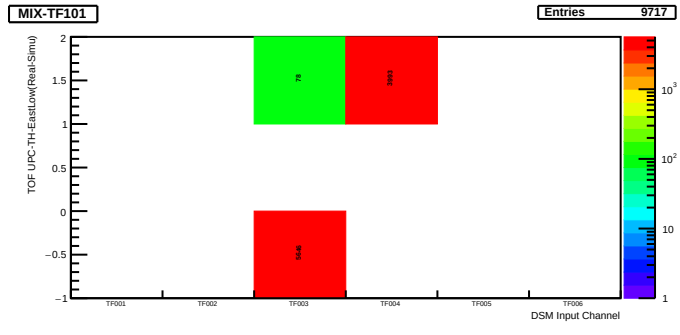

MIX-TF101
Entries 65256
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

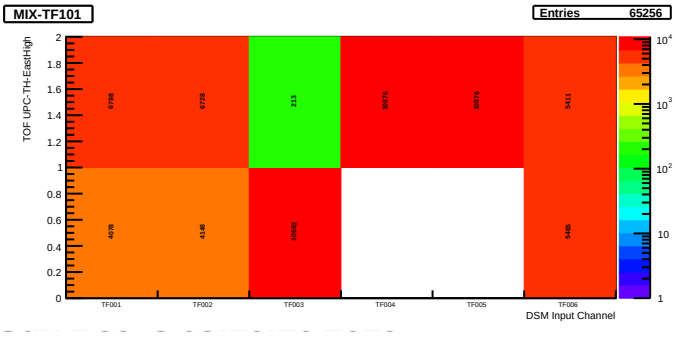

MIX-TF101
Entries 8201
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

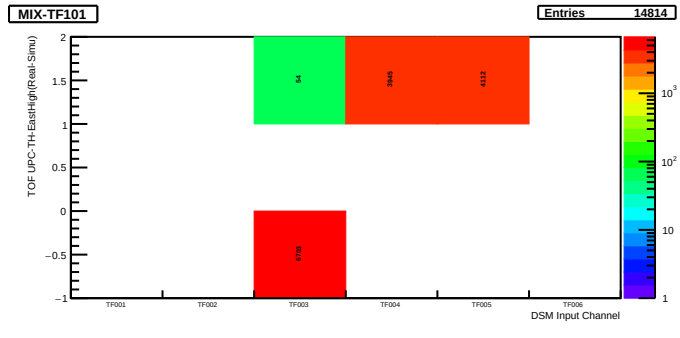

MIX-TF101
Entries 65256
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

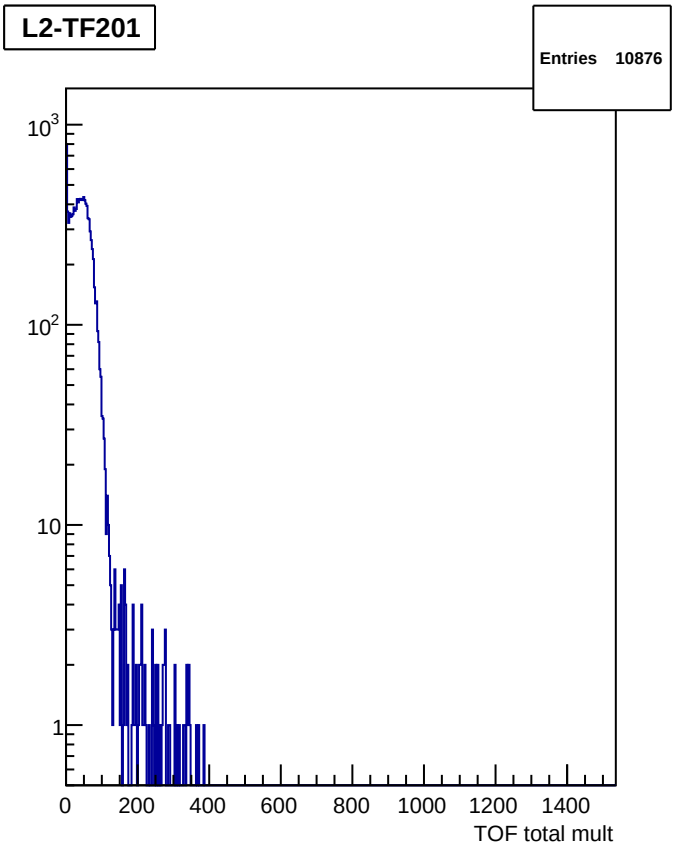

MIX-TF101
Entries 7772
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

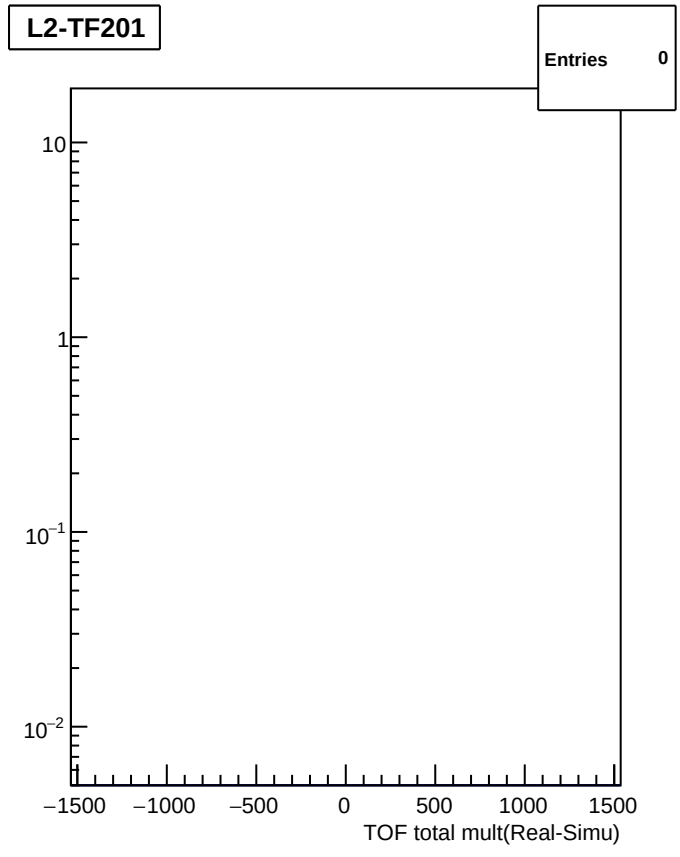

MIX-TF101
Entries 65256
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

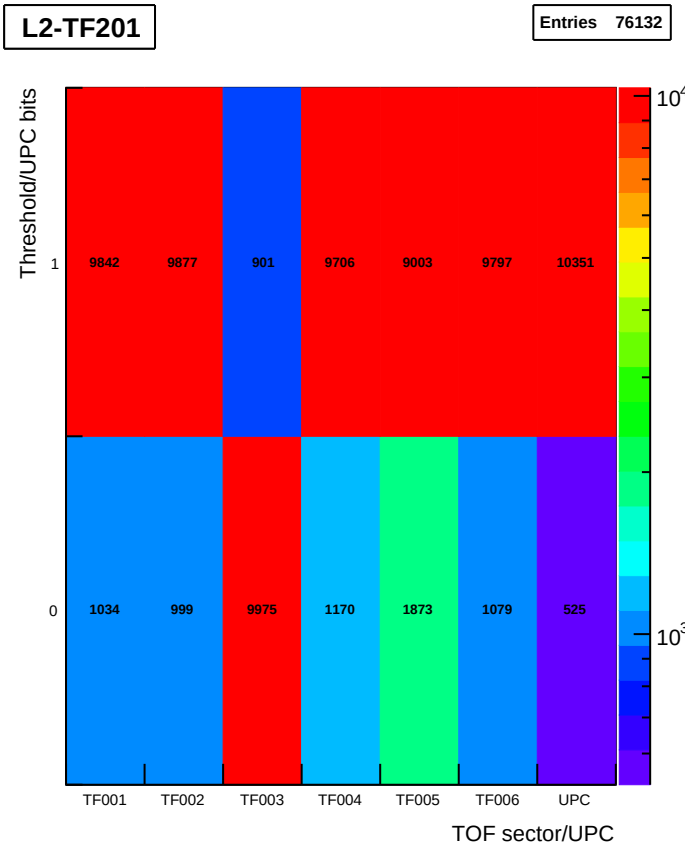

MIX-TF101
Entries 9717
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

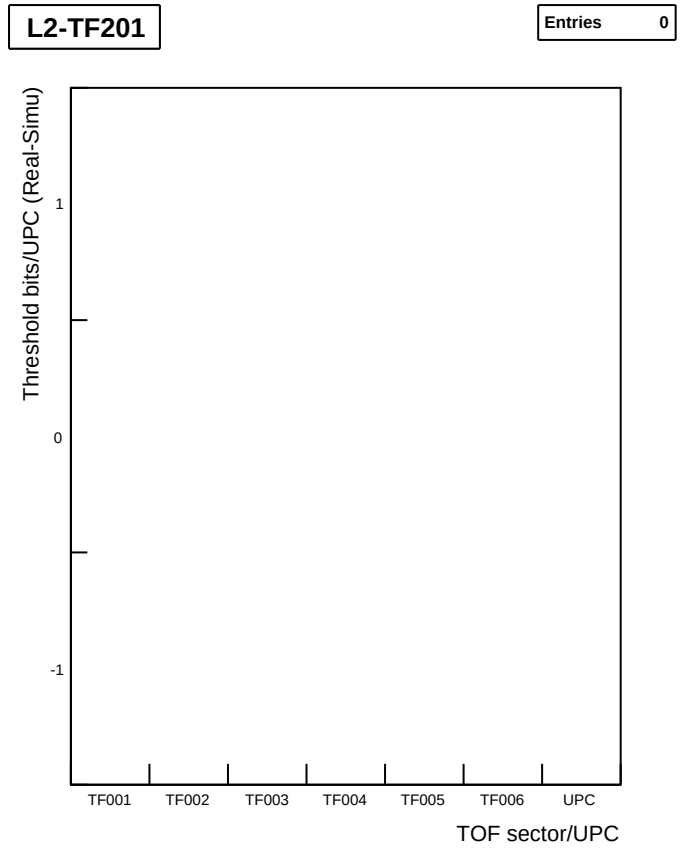

MIX-TF101
Entries 65256
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

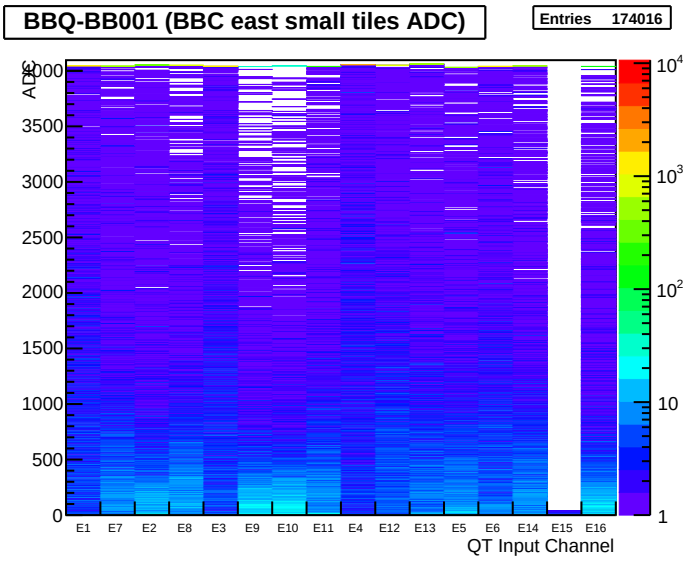

MIX-TF101
Entries 14814
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

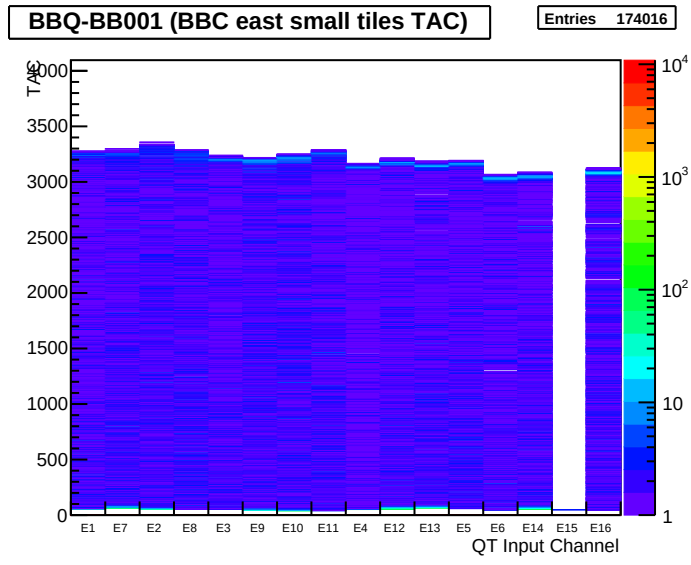

L2-TF201
Entries 10876
$10^3$
$10^2$
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

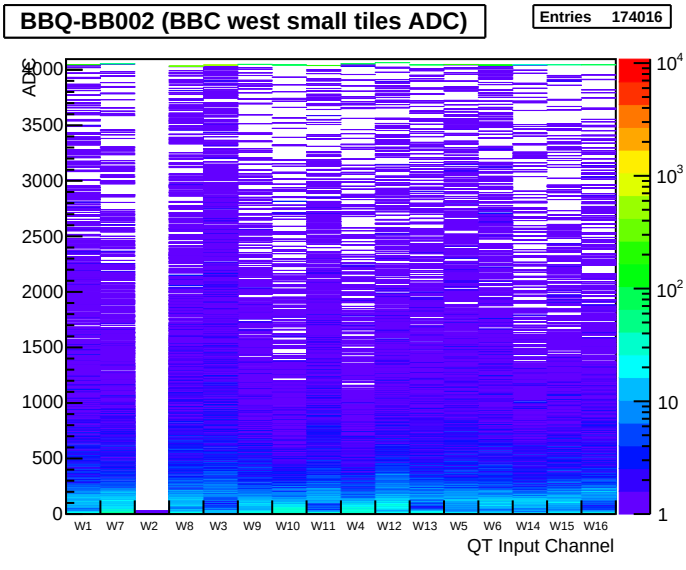

L2-TF201
Entries 0
10
1
$10^{-1}$
$10^{-2}$
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

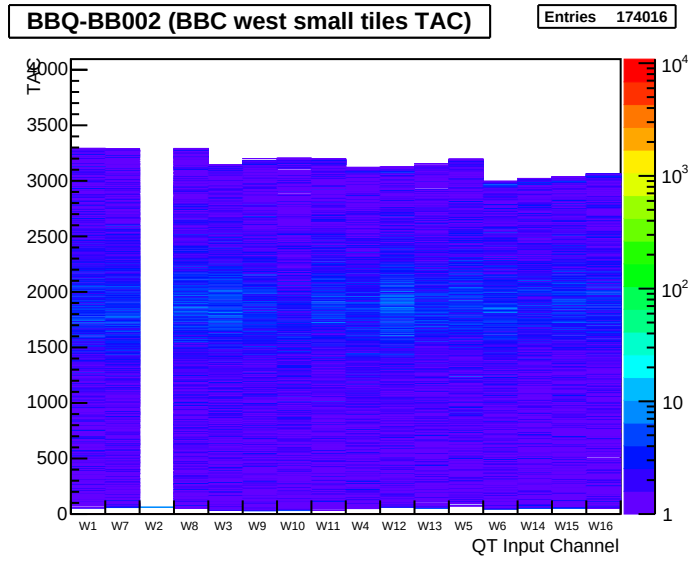

L2-TF201
Entries 76132
Threshold/UPC bits
1
0
9842
9877
901
9706
9003
9797
10351
1034
999
9975
1170
1873
1079
525
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

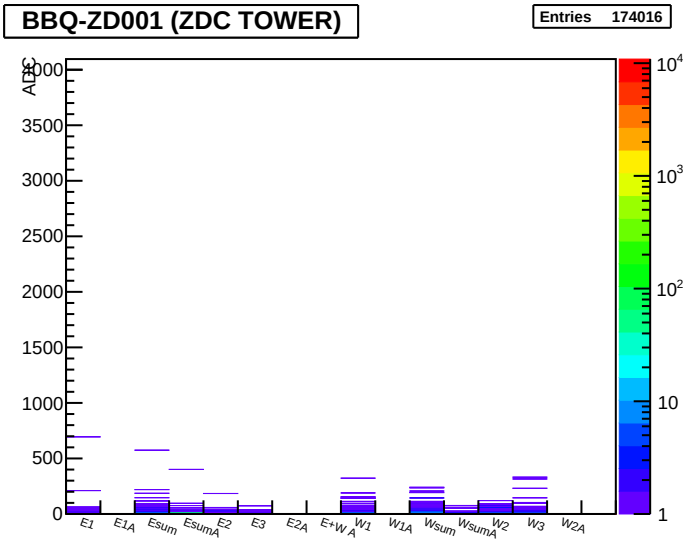

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

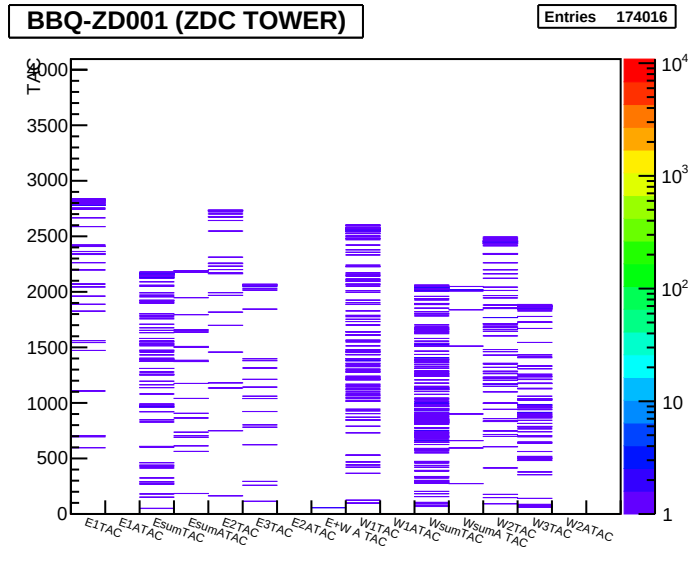

BBQ-BB001 (BBC east small tiles ADC)
Entries 174016
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

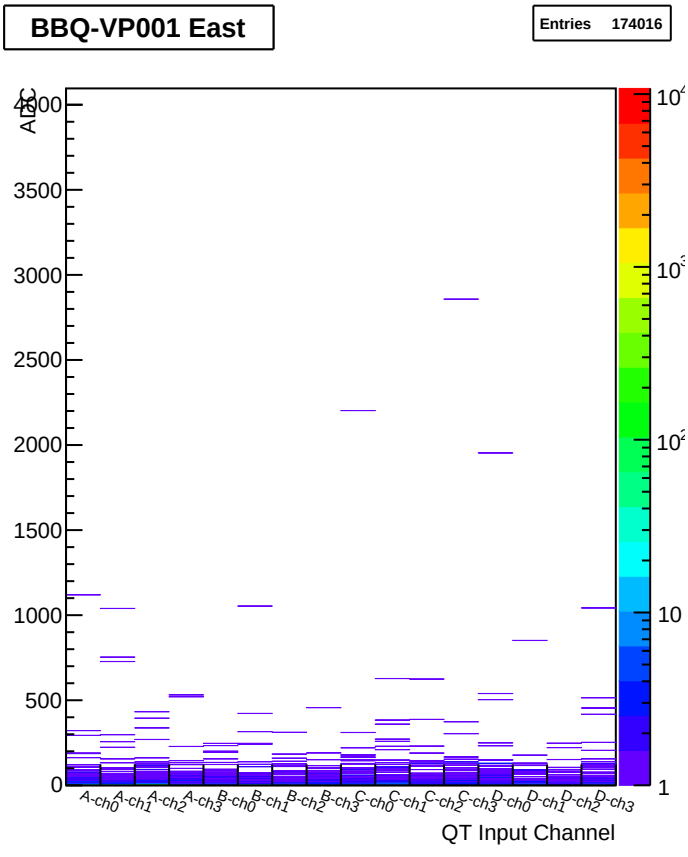

BBQ-BB001 (BBC east small tiles TAC)
Entries 174016
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

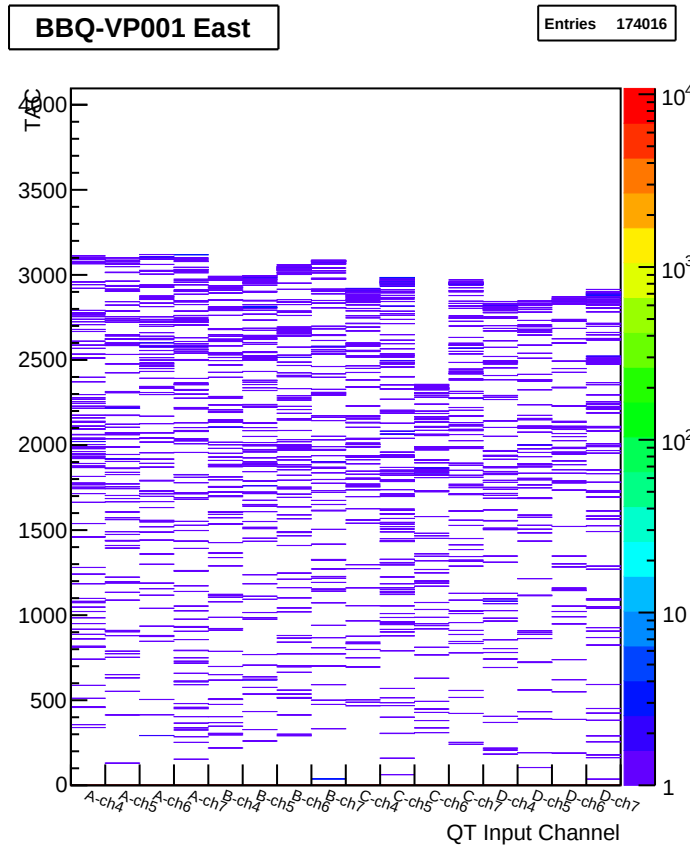

BBQ-BB002 (BBC west small tiles ADC)
Entries 174016
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

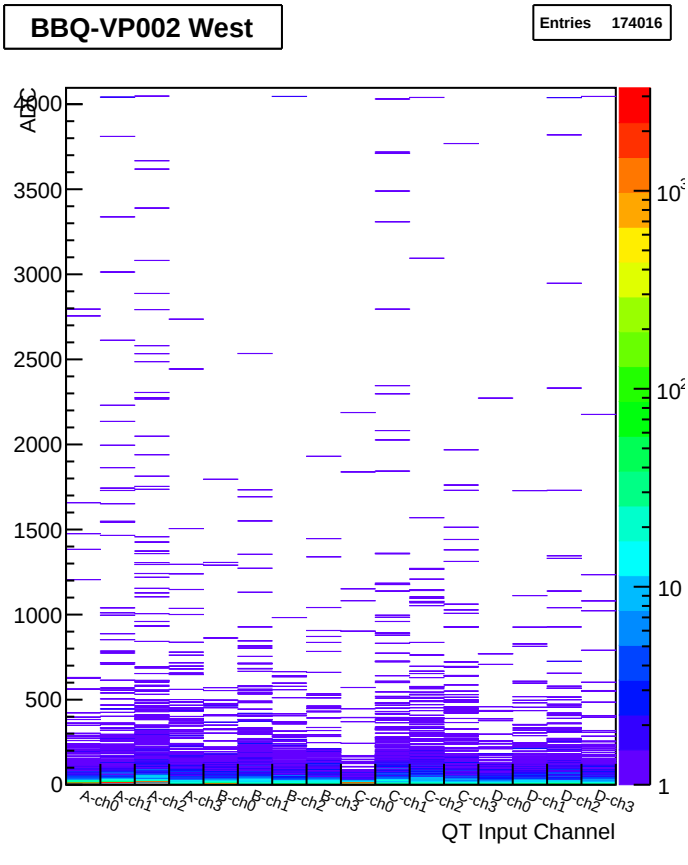

BBQ-BB002 (BBC west small tiles TAC)
Entries 174016
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

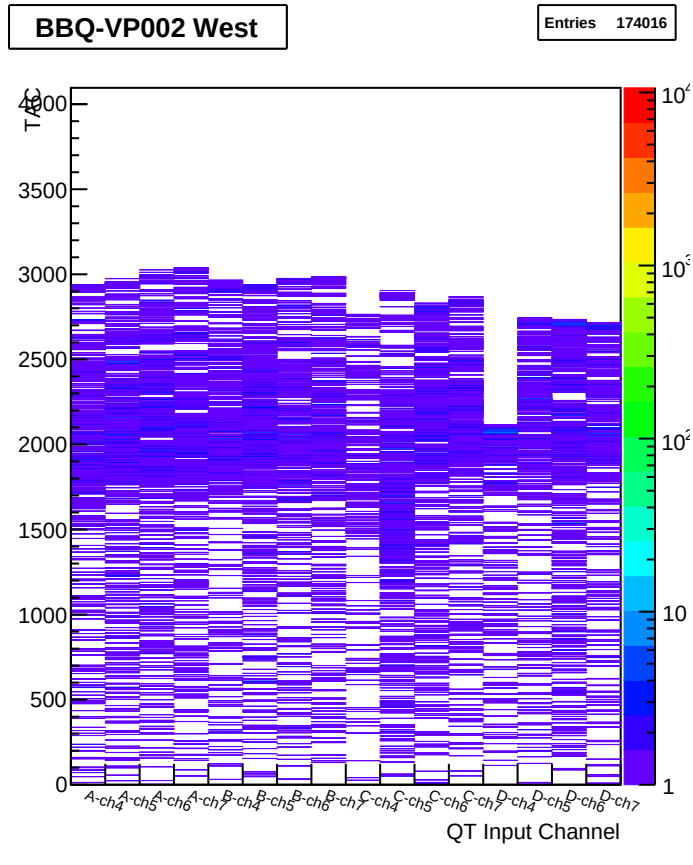

BBQ-ZD001 (ZDC TOWER)
Entries 174016
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

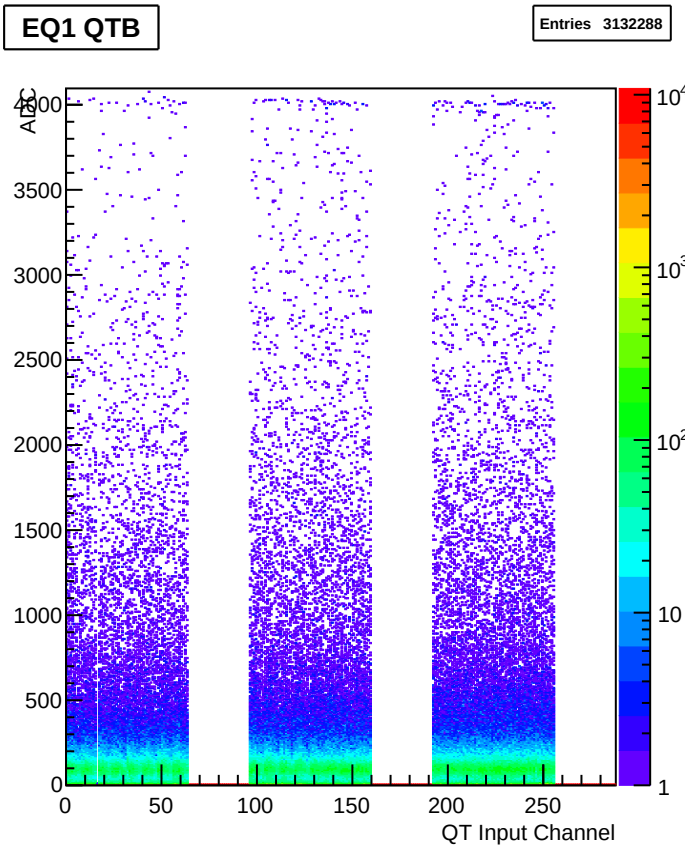

BBQ-ZD001 (ZDC TOWER)
Entries 174016
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

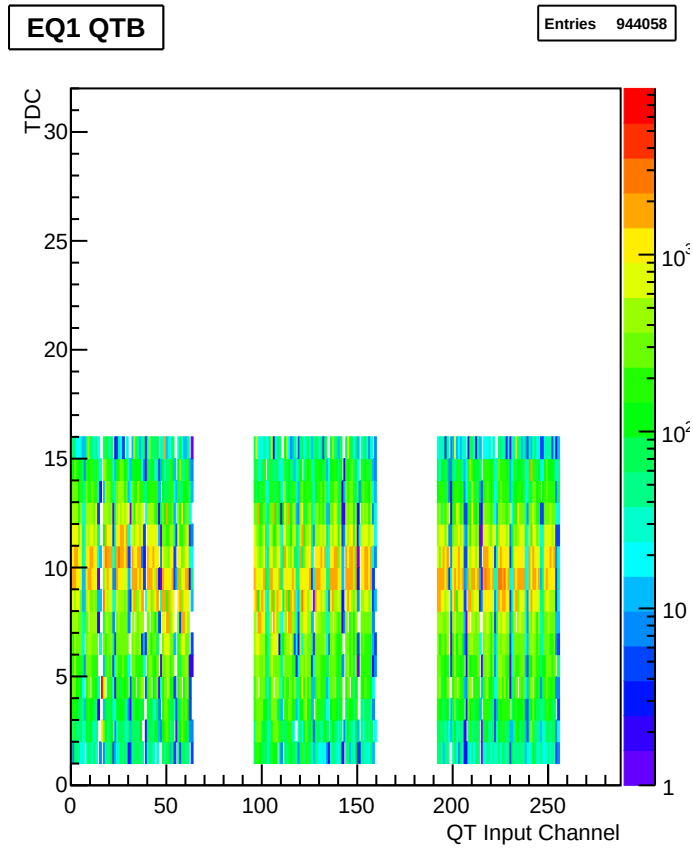

BBQ-VP001 East
Entries 174016
ADC
QT Input Channel

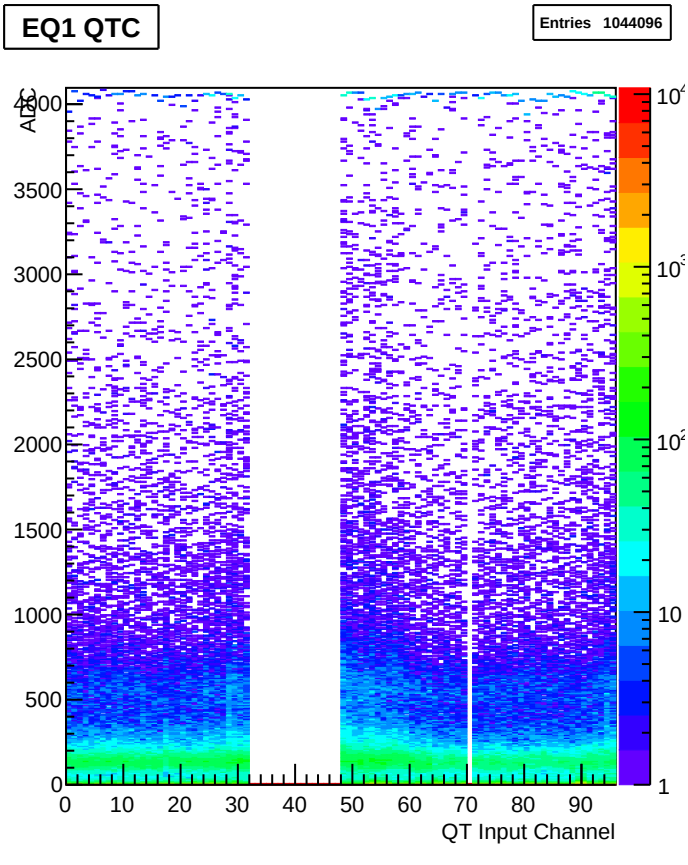

BBQ-VP001 East
Entries 174016
TADC
QT Input Channel

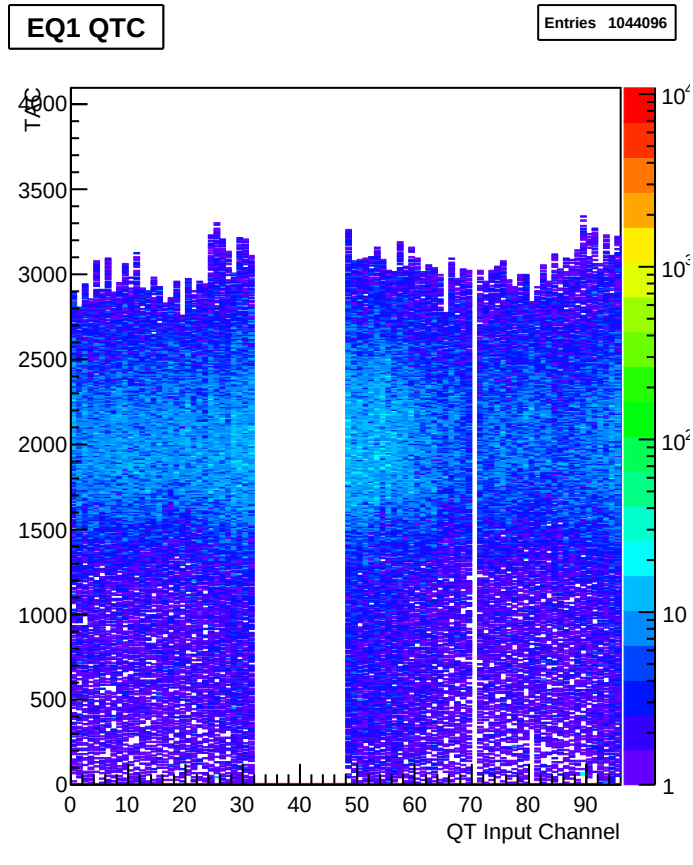

BBQ-VP002 West
Entries 174016
ADC
QT Input Channel

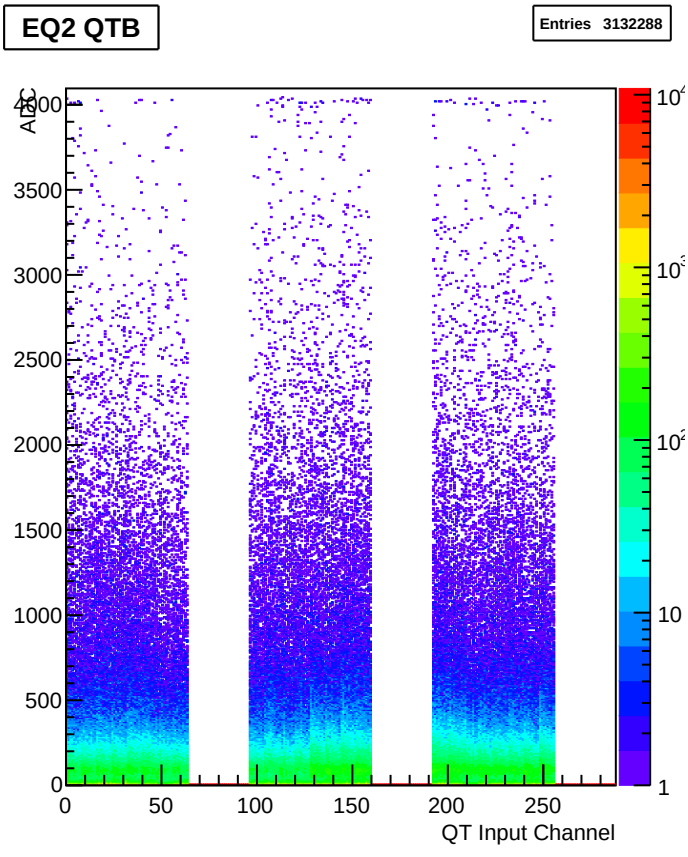

BBQ-VP002 West
Entries 174016
TADC
QT Input Channel

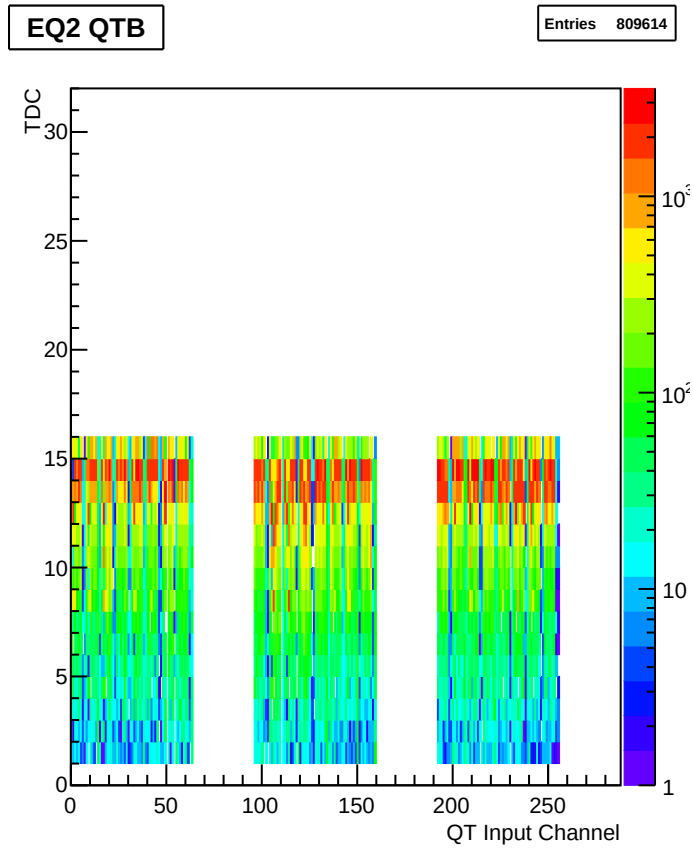

EQ1 QTB
Entries 3132288
ADC
QT Input Channel

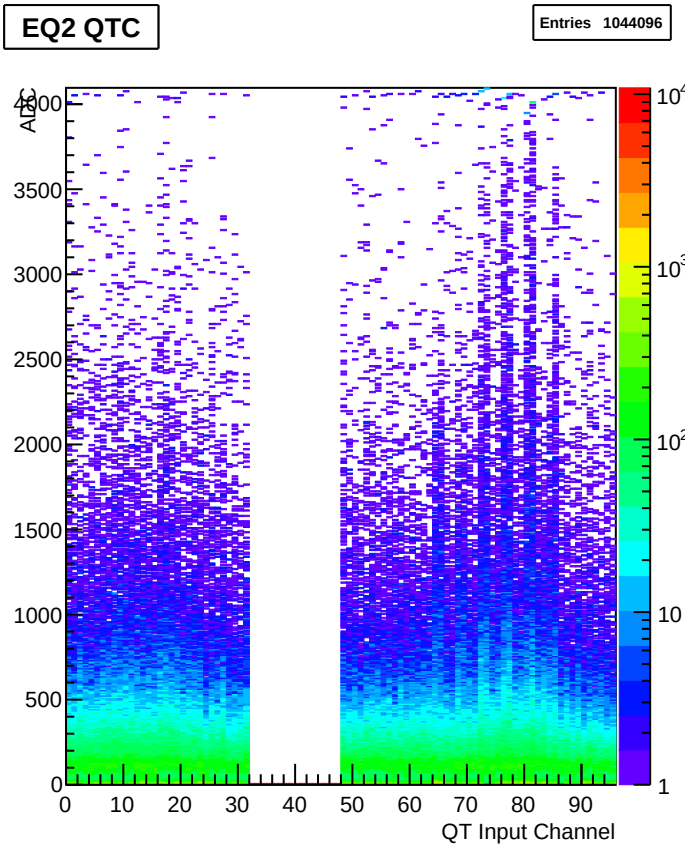

EQ1 QTB
Entries 944058
TDC
QT Input Channel

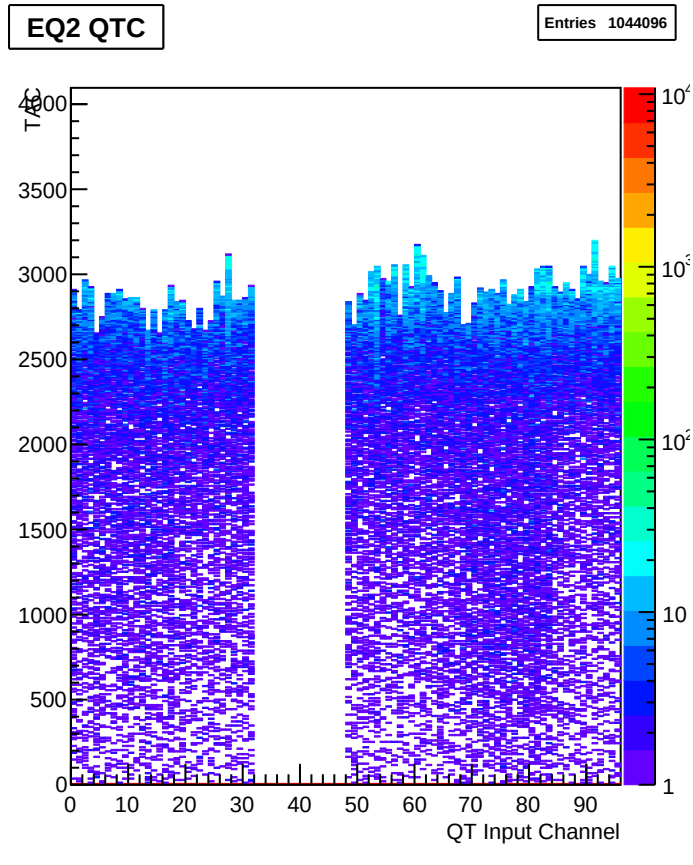

EQ1 QTC
Entries 1044096
ADC
QT Input Channel

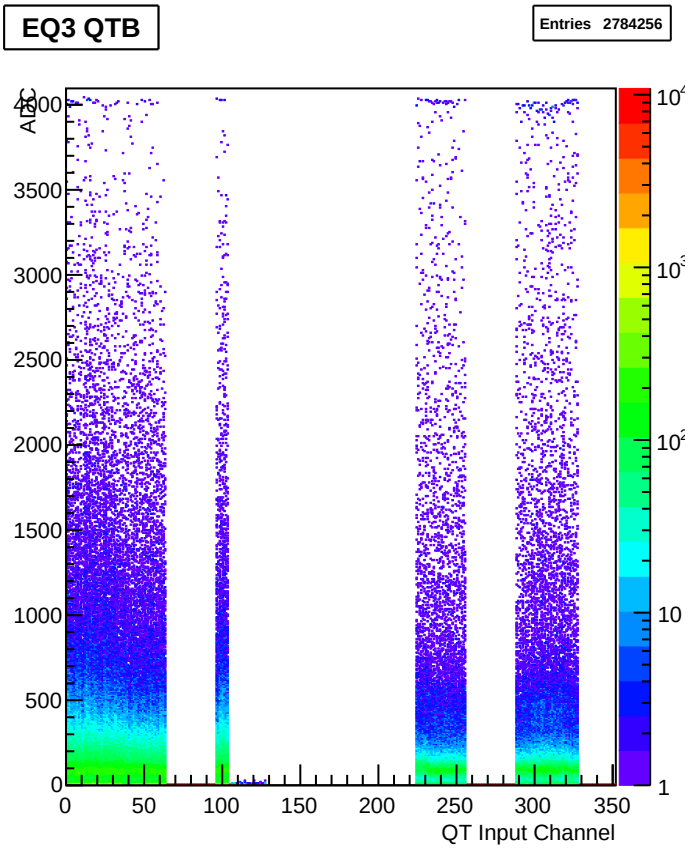

EQ1 QTC
Entries 1044096
TADC
QT Input Channel

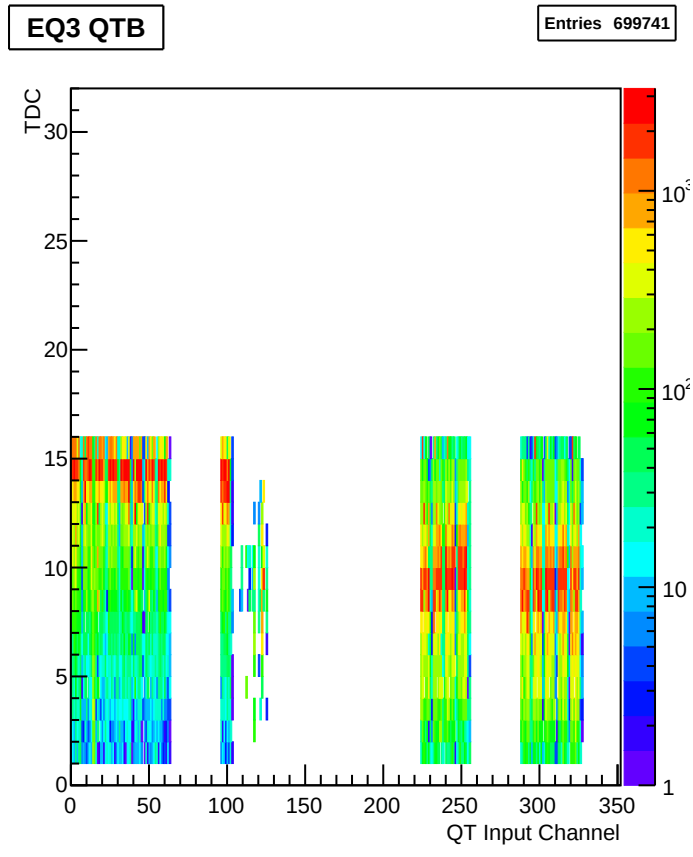

EQ2 QTB
Entries 3132288
ADC
QT Input Channel

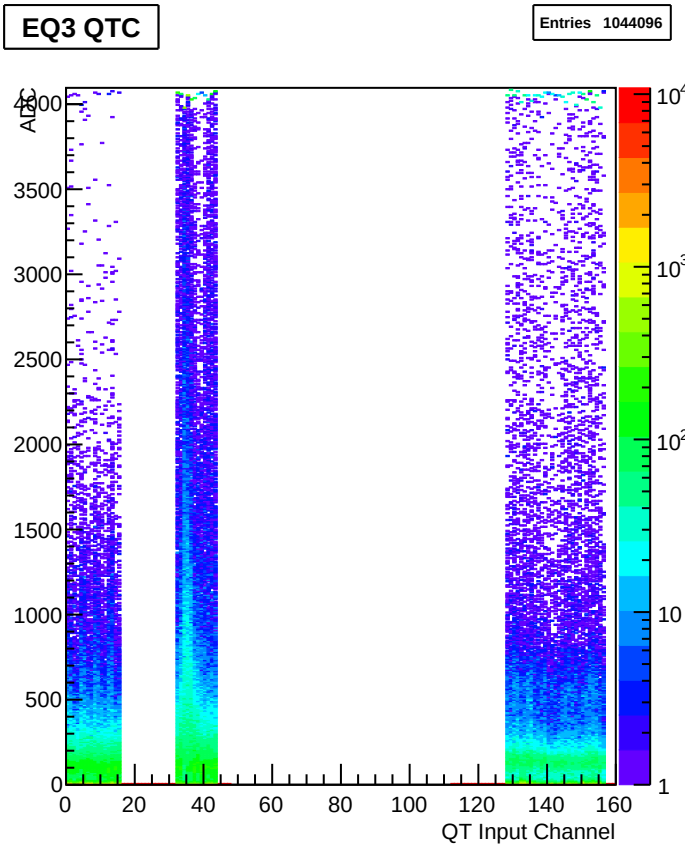

EQ2 QTB
Entries 809614
TDC
QT Input Channel

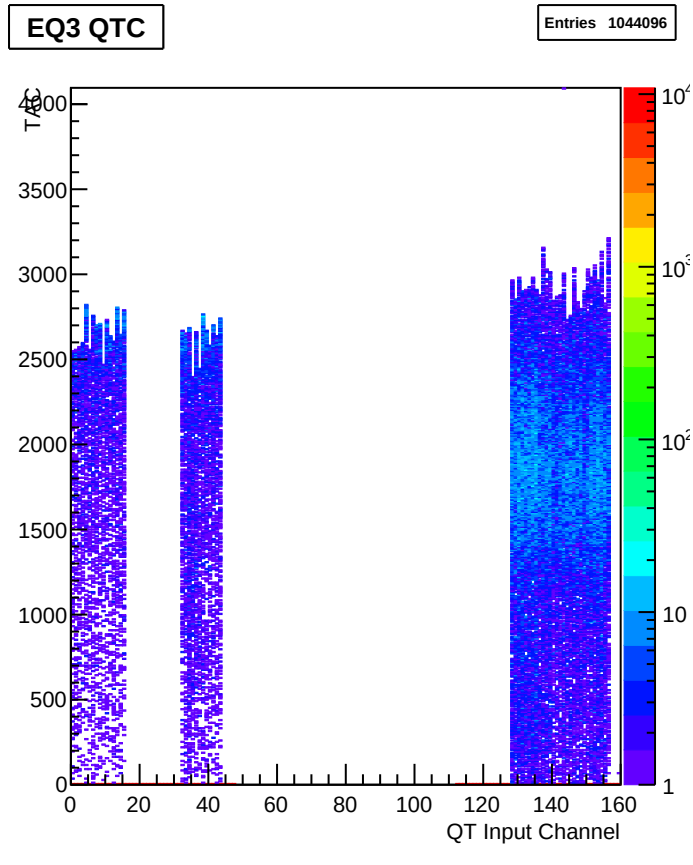

EQ2 QTC
Entries 1044096
ADC
QT Input Channel

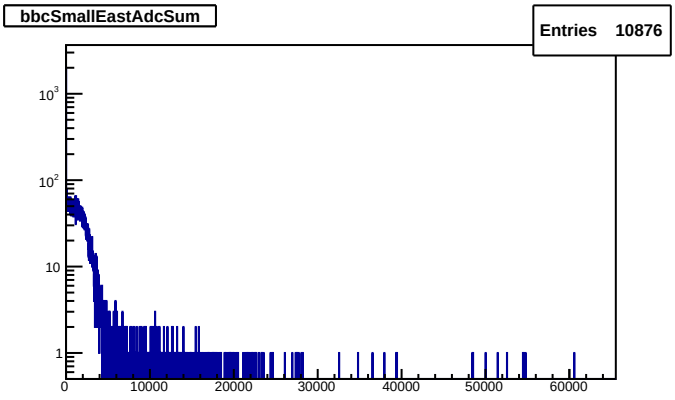

EQ2 QTC
Entries 1044096
TADC
QT Input Channel

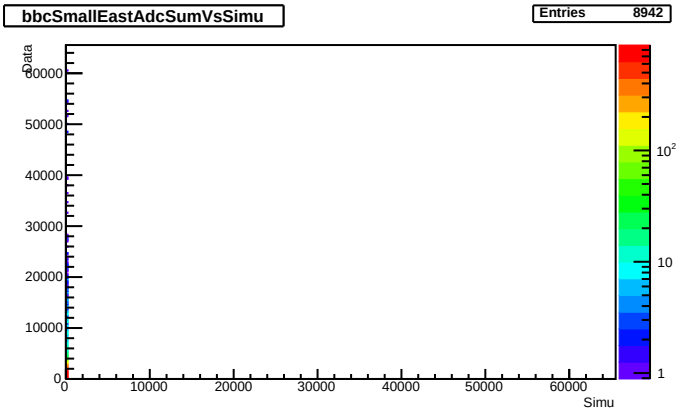

EQ3 QTB
Entries 2784256
ADC
QT Input Channel

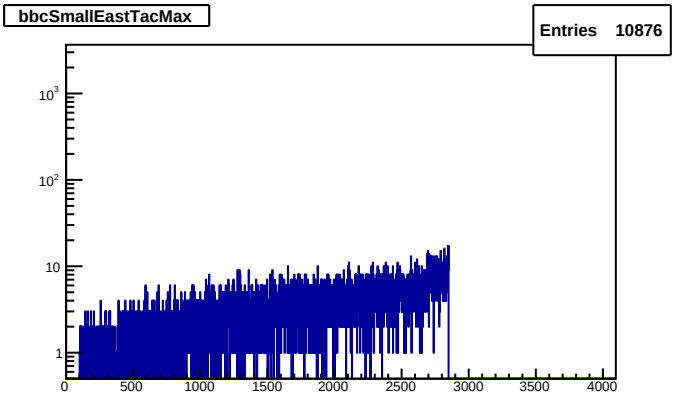

EQ3 QTB
Entries 699741
TDC
QT Input Channel

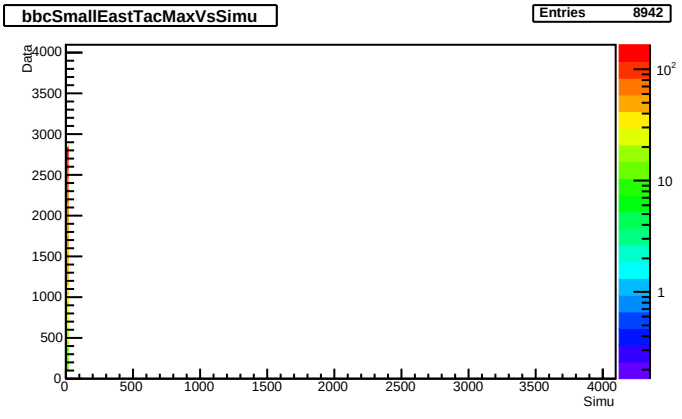

EQ3 QTC
Entries 1044096
ADC
QT Input Channel

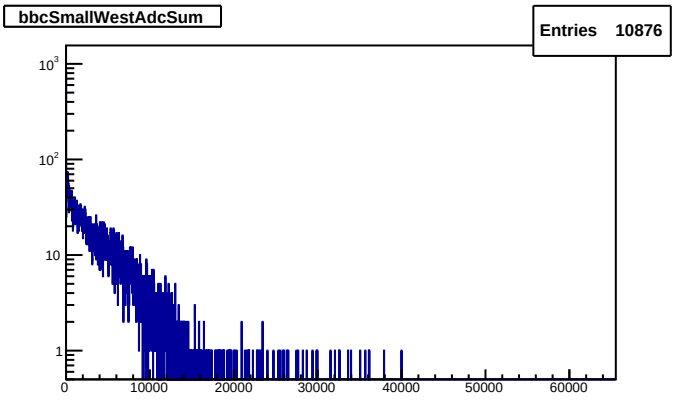

EQ3 QTC
Entries 1044096
TADC
QT Input Channel

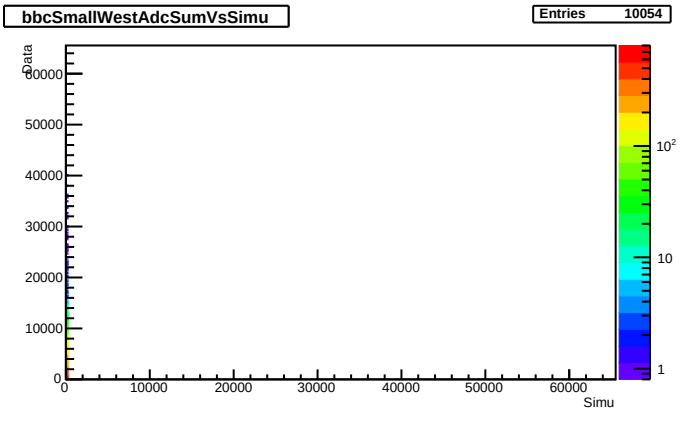

bbcSmallEastAdcSum
Entries 10876

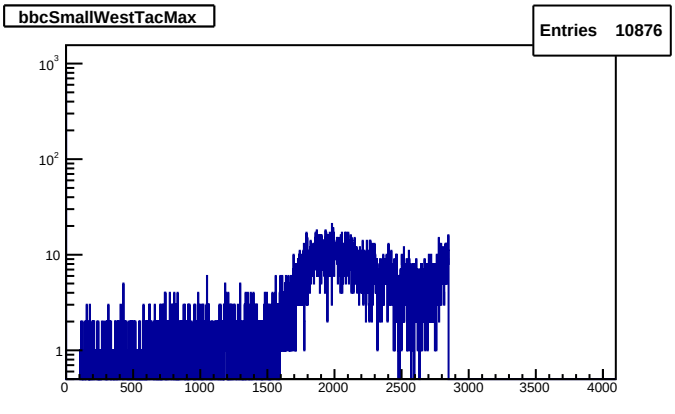

bbcSmallEastAdcSumVsSimu
Entries 8942
Data
Simu

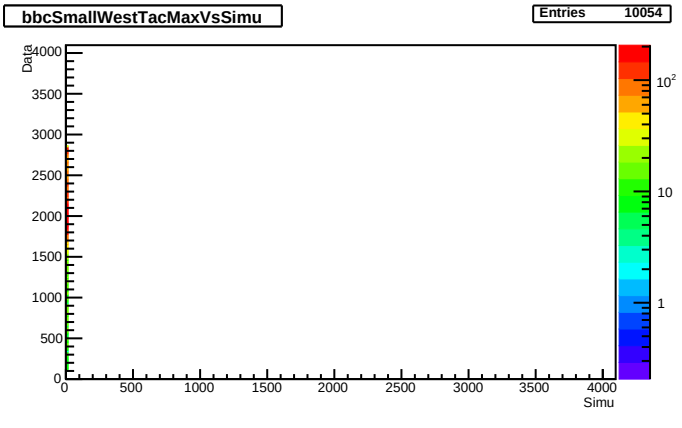

bbcSmallEastTacMax
Entries 10876

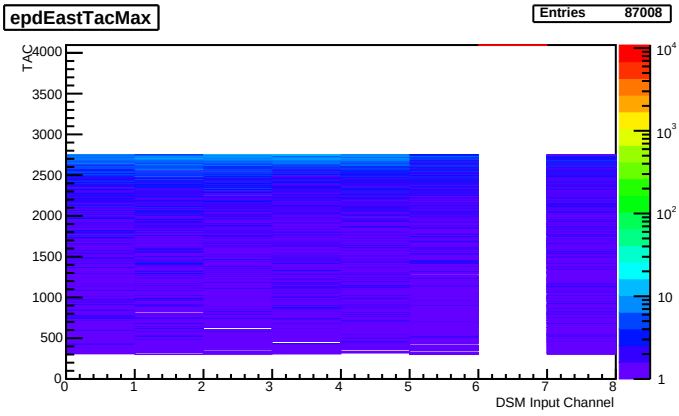

bbcSmallEastTacMaxVsSimu
Entries 8942
Data
Simu

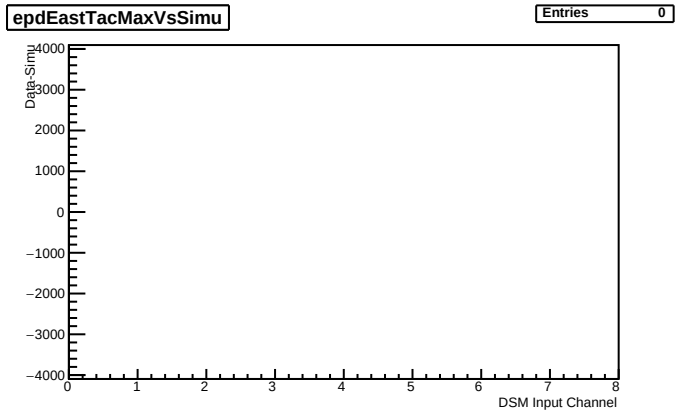

bbcSmallWestAdcSum
Entries 10876

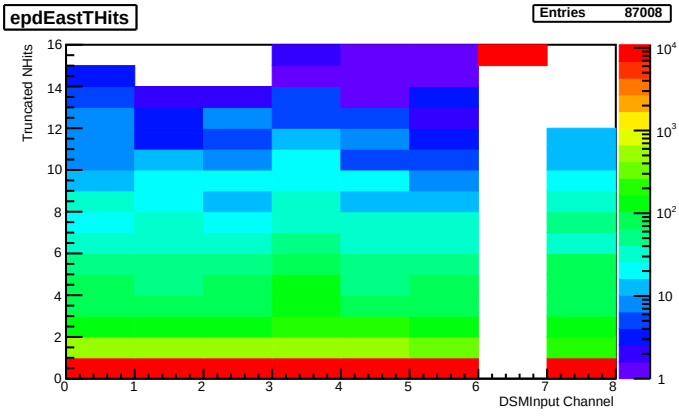

bbcSmallWestAdcSumVsSimu
Entries 10054
Data
Simu

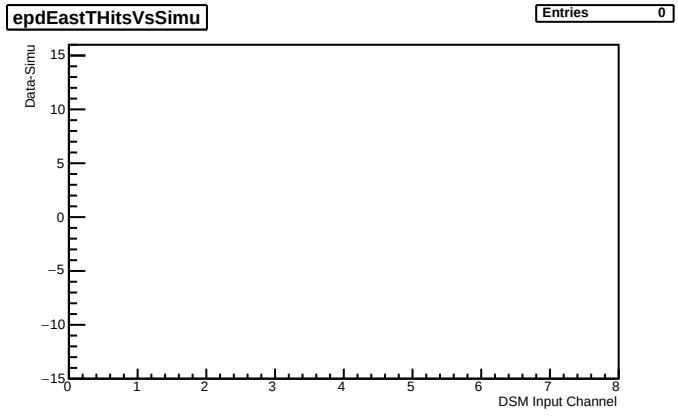

bbcSmallWestTacMax
Entries 10876

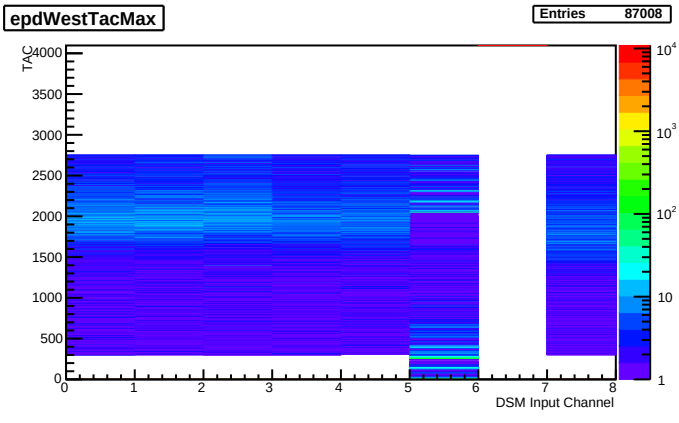

bbcSmallWestTacMaxVsSimu
Entries 10054
Data
Simu

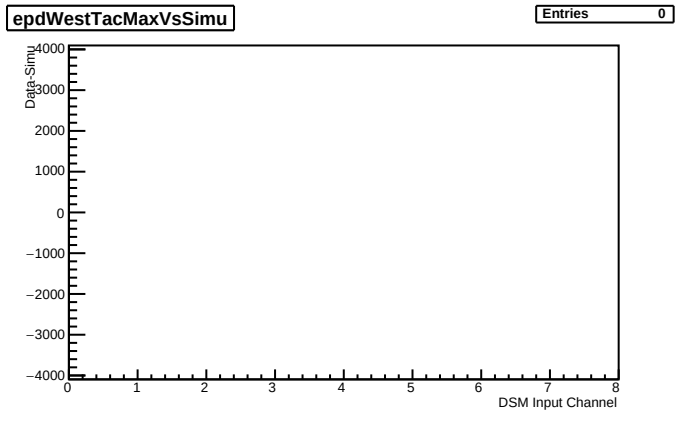

epdEastTacMax
Entries 87008
TAC
DSM Input Channel

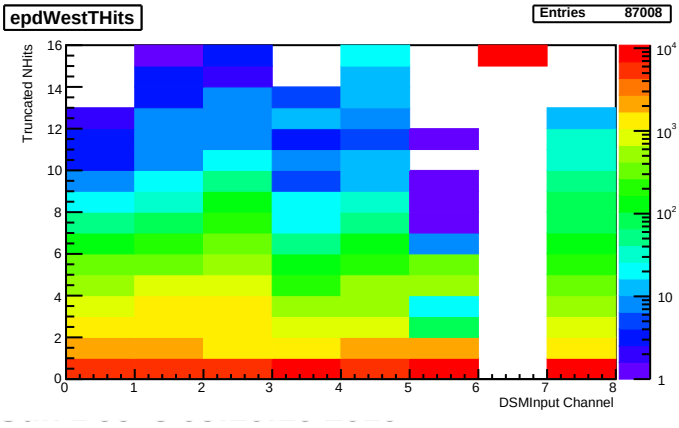

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

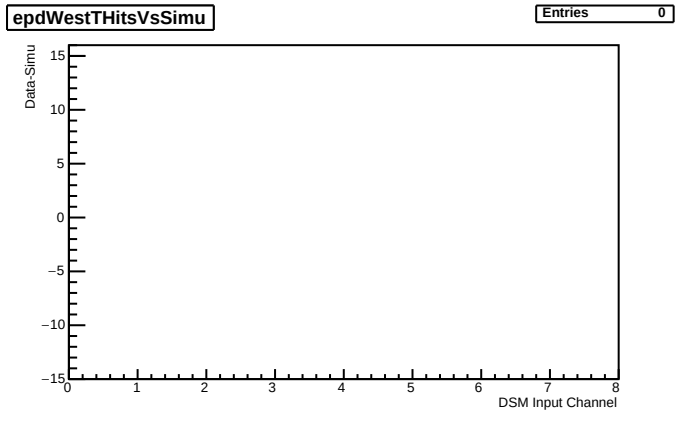

epdEastTHits
Entries 87008
Truncated NHits
DSMInput Channel

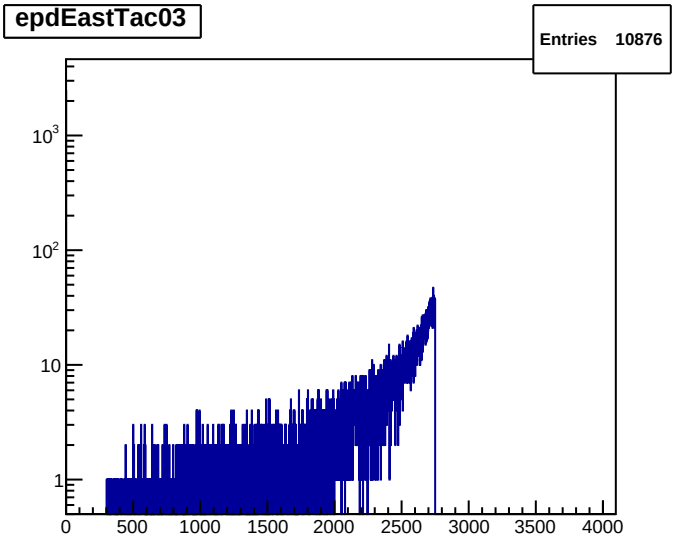

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

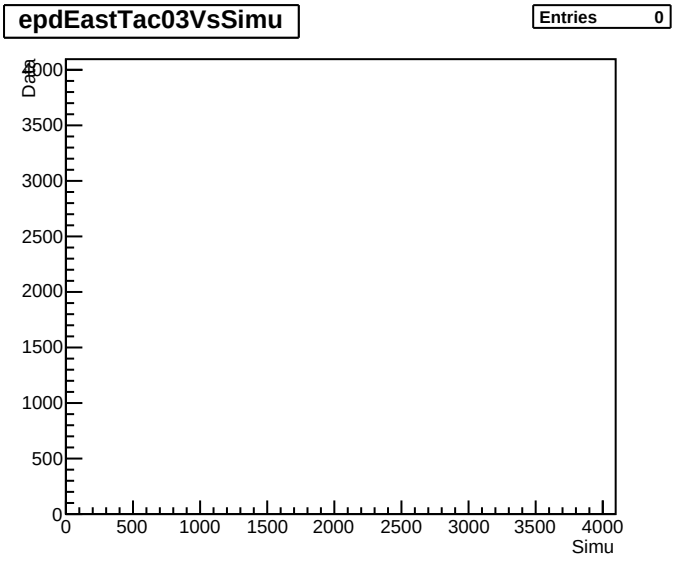

epdWestTacMax
Entries 87008
TAC
DSM Input Channel

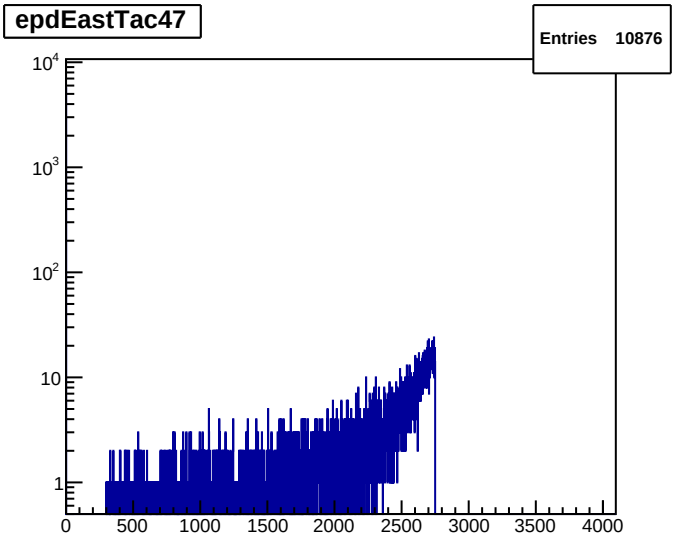

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

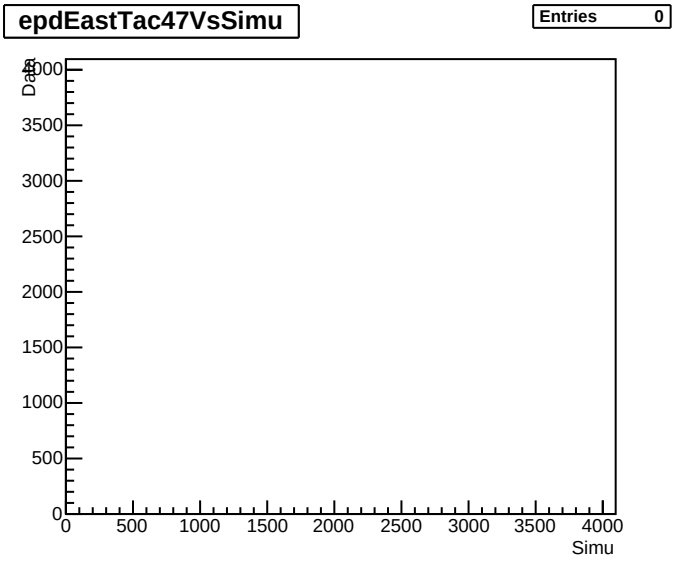

epdWestTHits
Entries 87008
Truncated NHits
DSMInput Channel

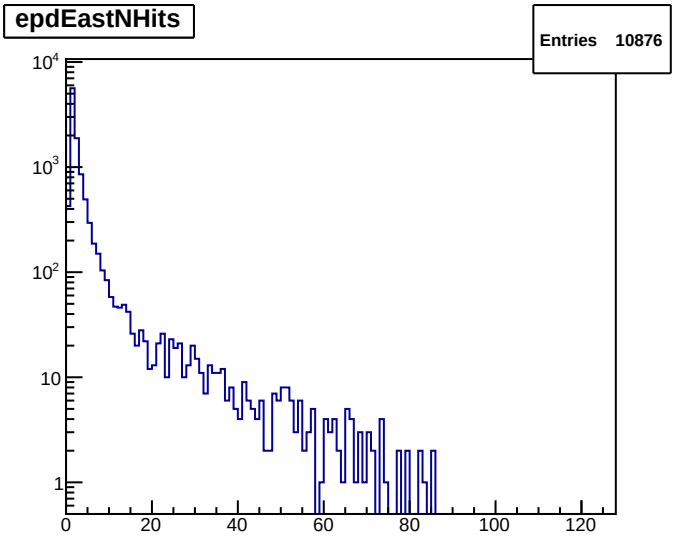

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

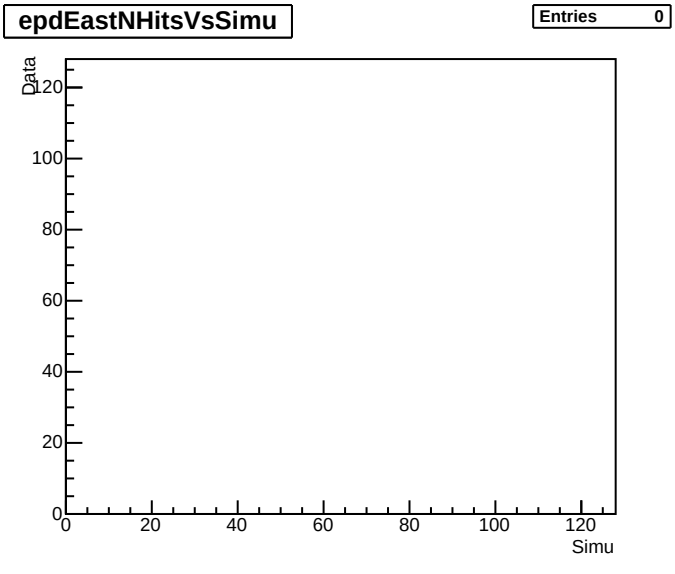

epdEastTac03
Entries 10876


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 10876


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 10876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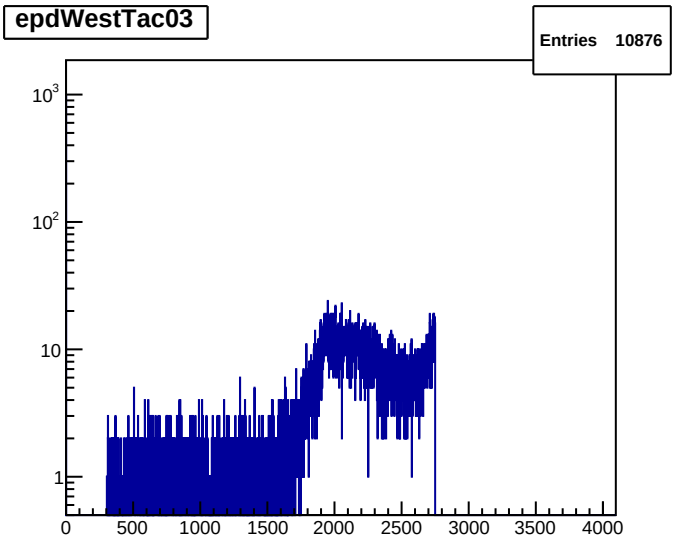
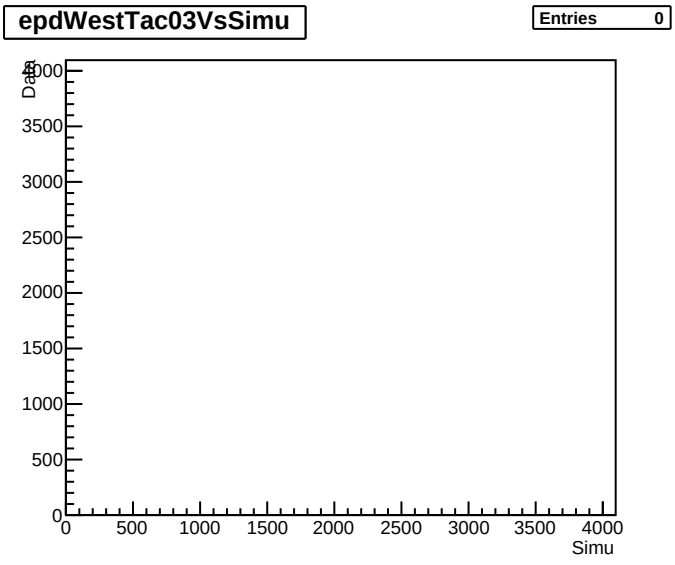
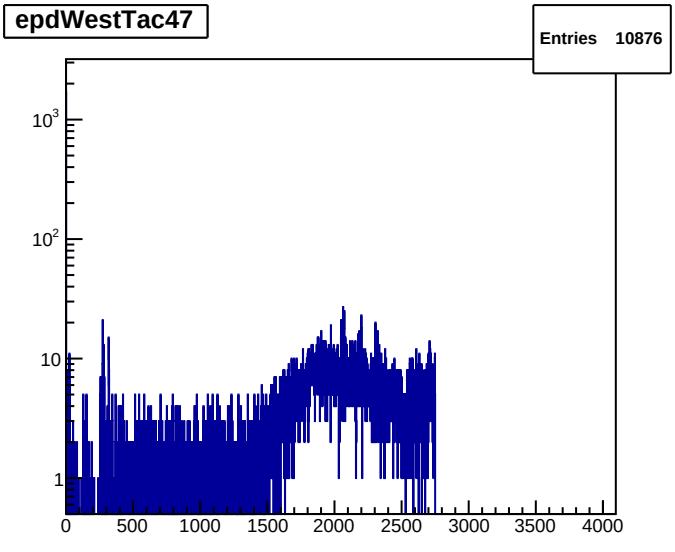
Entries 0
Data
Simu


epdWestTac03
Entries 10876


epdWestTac03VsSimu
Entries 0
Data
Simu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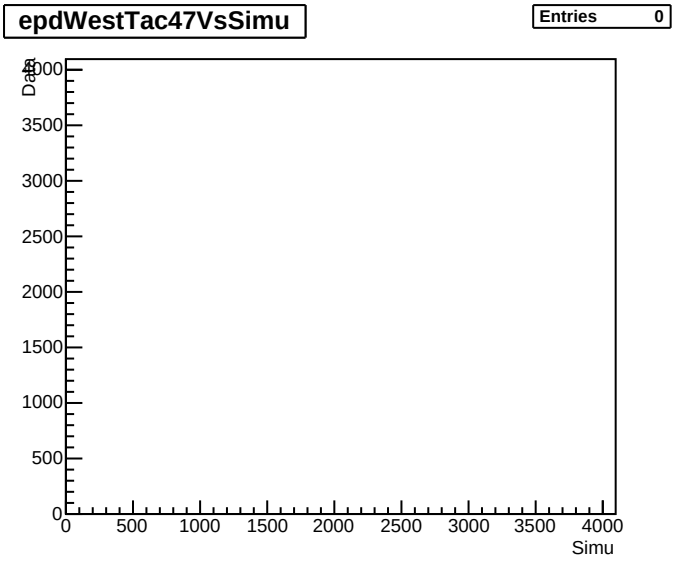
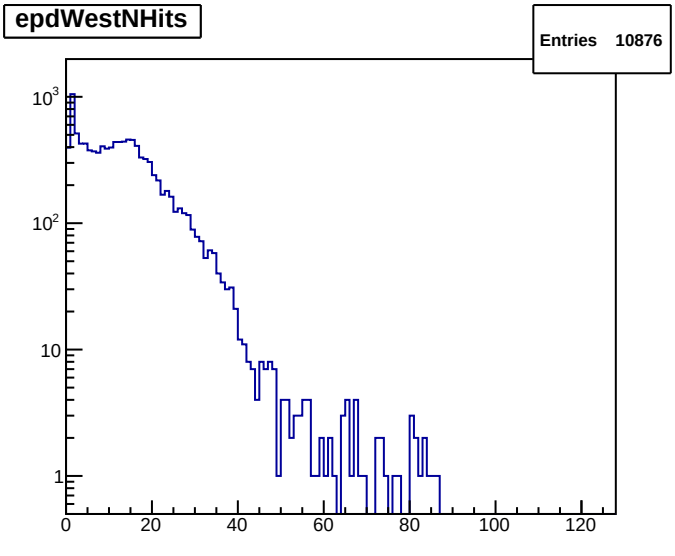
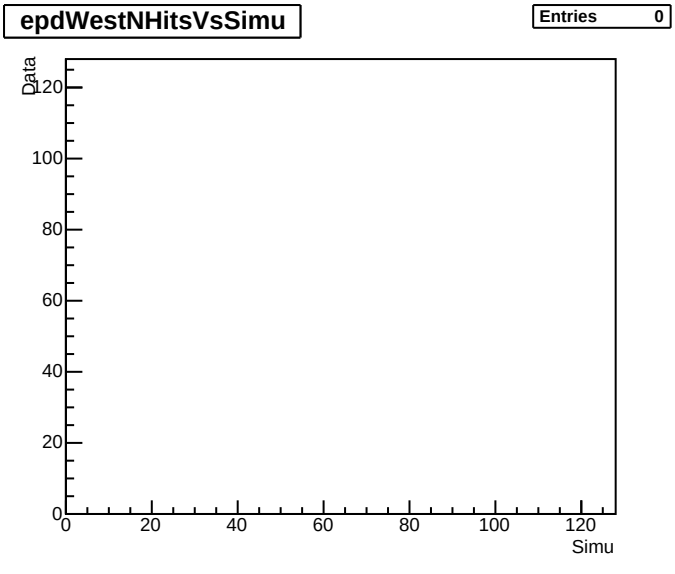
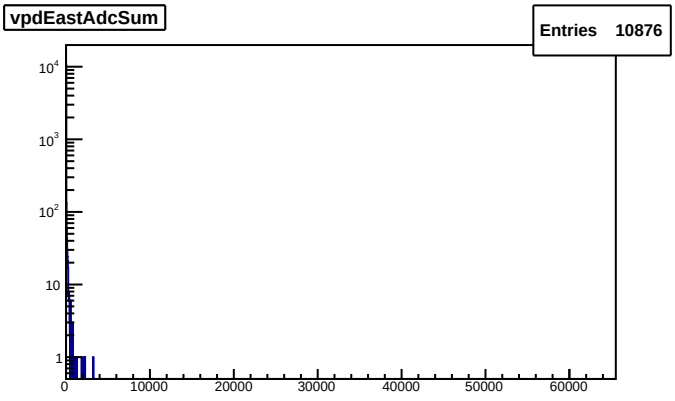
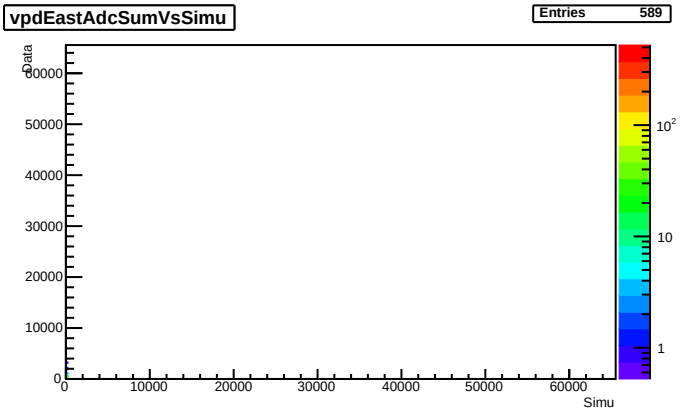
Entries 10876

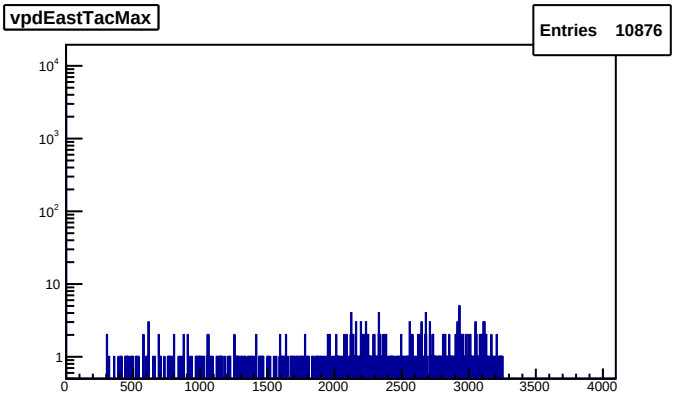

epdWestTac47VsSimu
Entries 0
Data
Simu

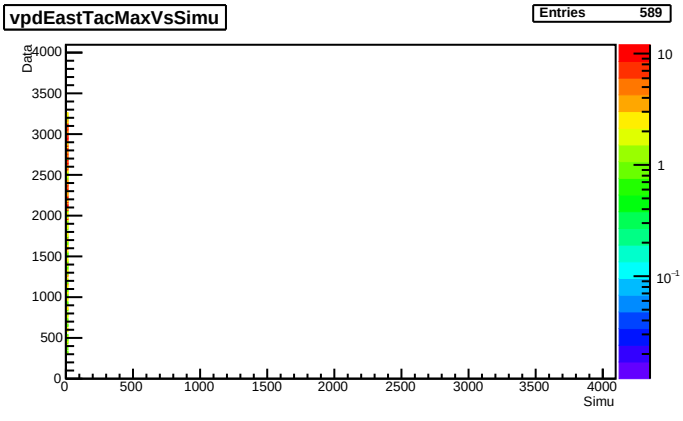

epdWestNHits
Entries 10876

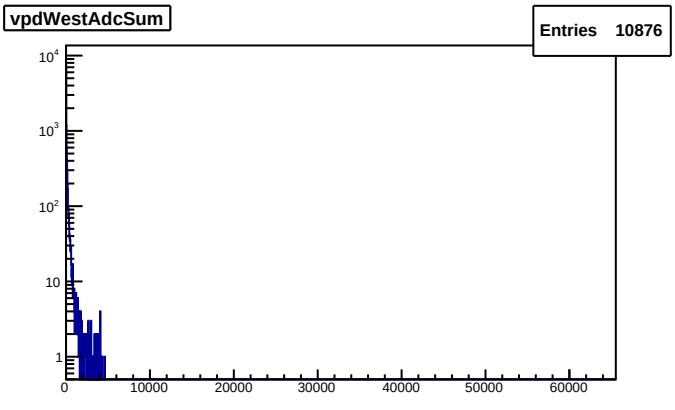

epdWestNHitsVsSimu
Entries 0
Data
Simu

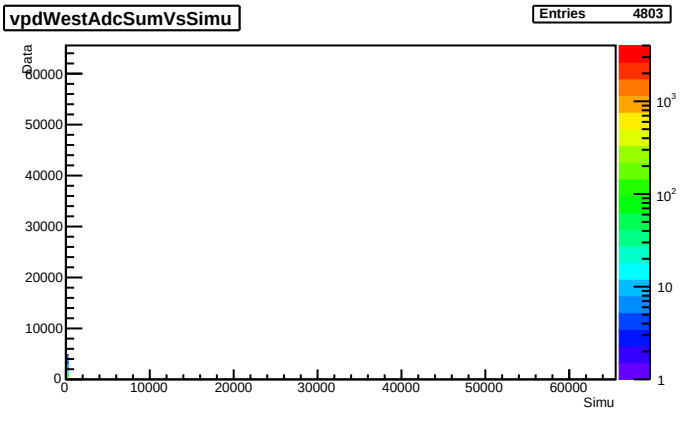

vpdEastAdcSum
Entries 10876

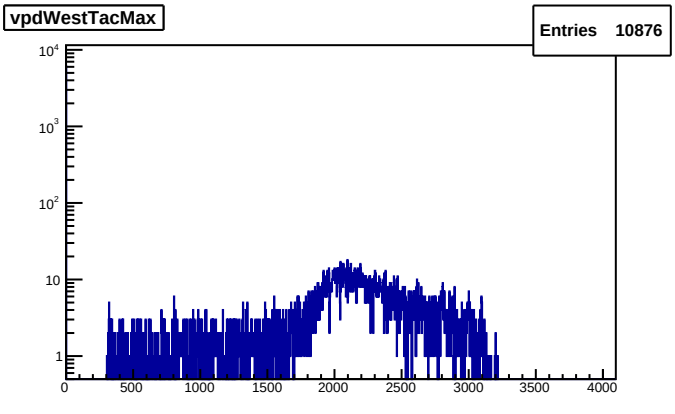

vpdEastAdcSumVsSimu
Entries 589
Data
Simu

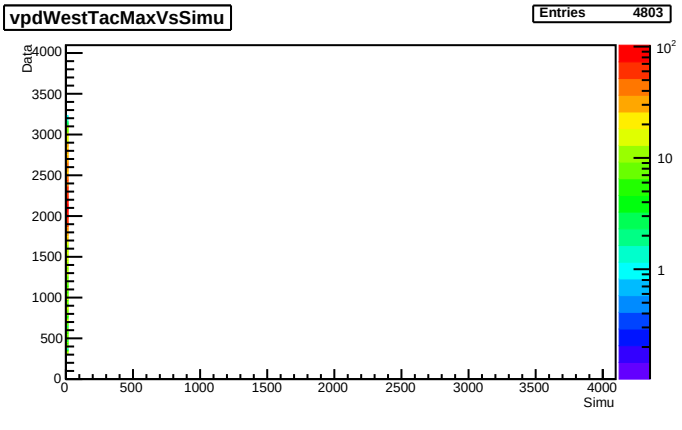

vpdEastTacMax
Entries 10876

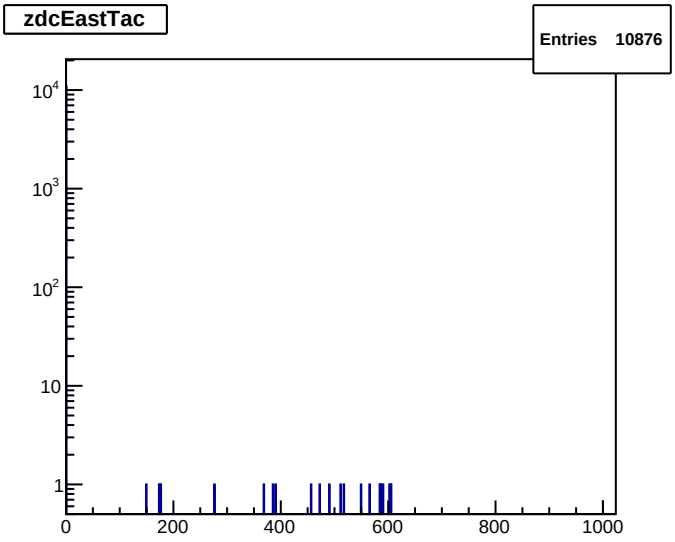

vpdEastTacMaxVsSimu
Entries 589
Data
Simu

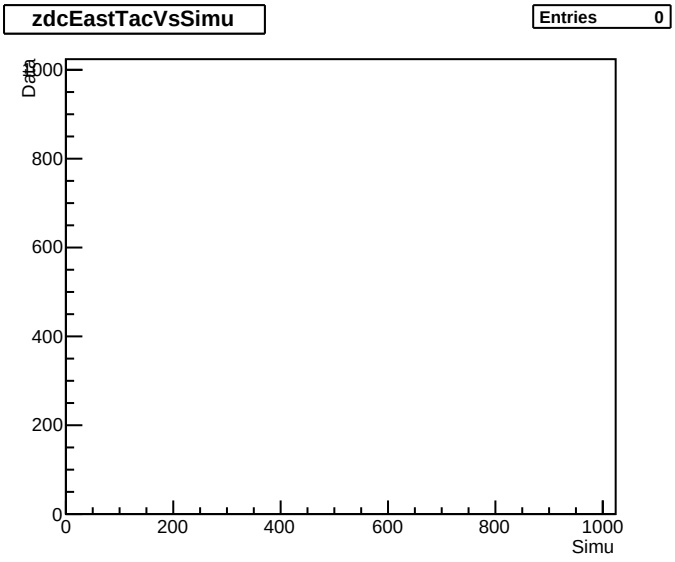

vpdWestAdcSum
Entries 10876

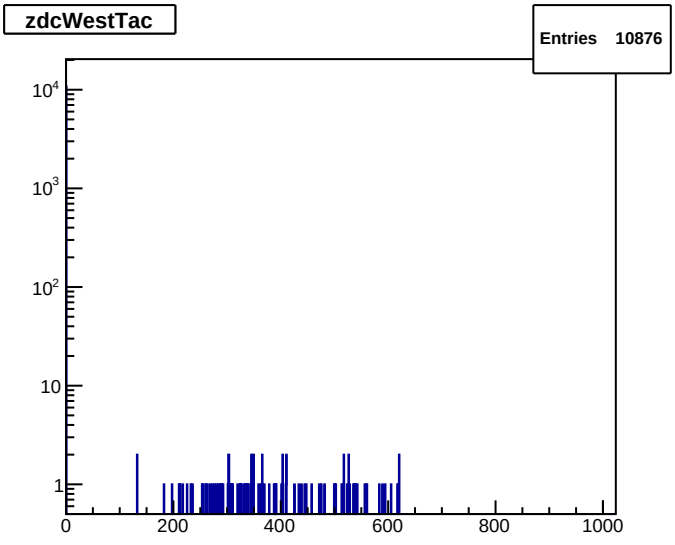

vpdWestAdcSumVsSimu
Entries 4803
Data
Simu

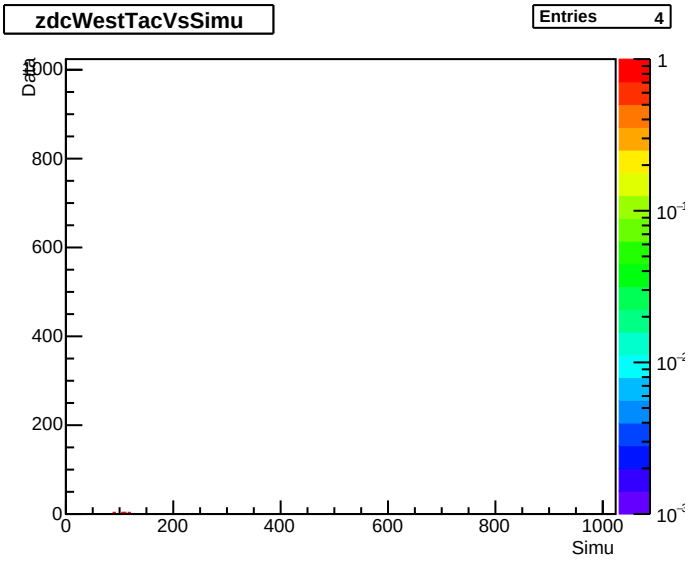

vpdWestTacMax
Entries 10876

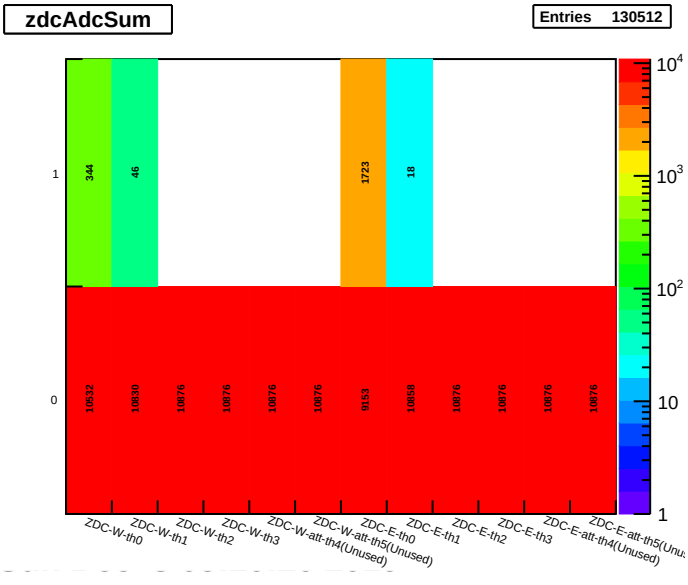

vpdWestTacMaxVsSimu
Entries 4803
Data
Simu

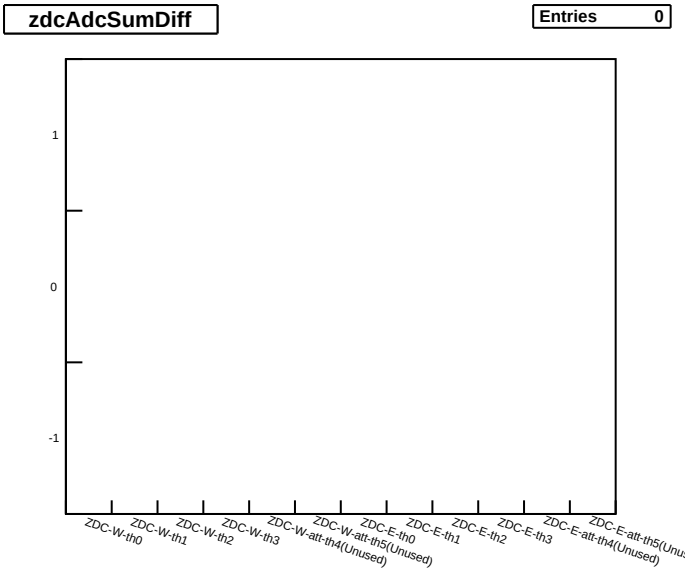

zdcEastTac
Entries 10876

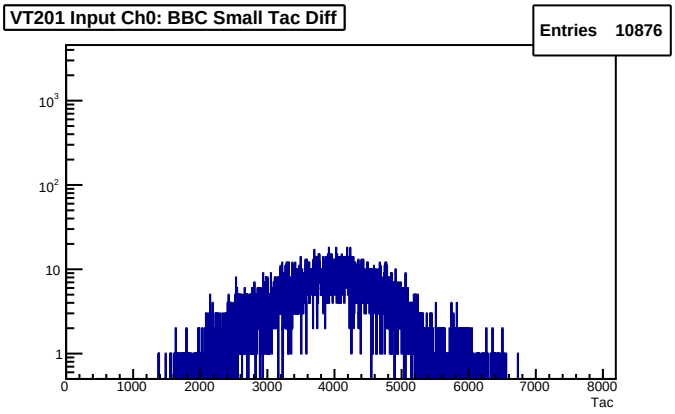

zdcEastTacVsSimu
Entries 0
Data
Simu

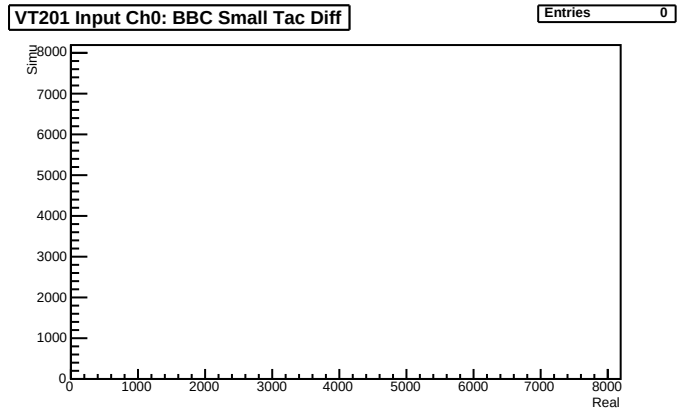

zdcWestTac
Entries 10876

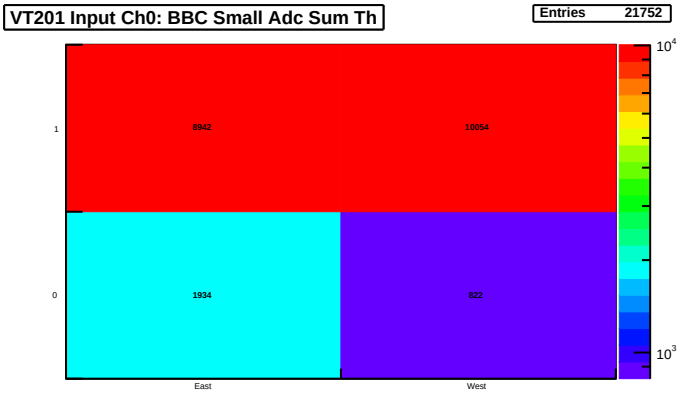

zdcWestTacVsSimu
Entries 4
Data
Simu

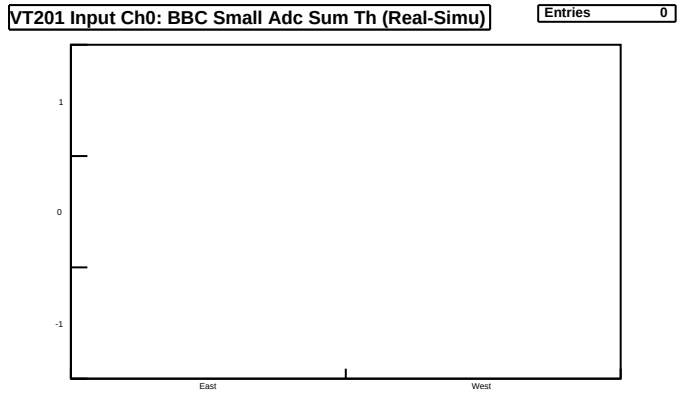

zdcAdcSum
Entries 130512
344
46
1723
18
10532
10830
10876
9153
10858
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

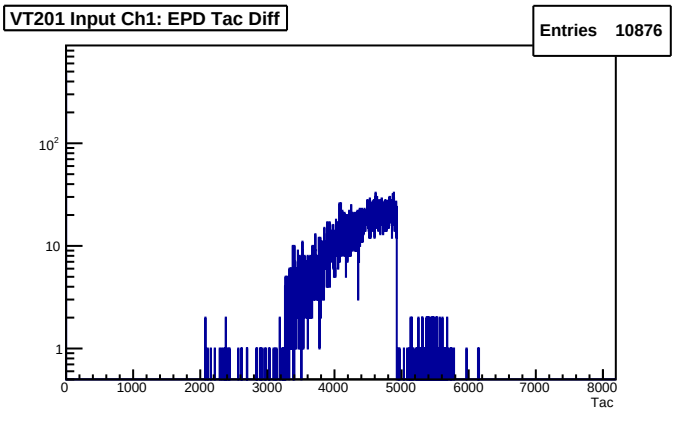

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

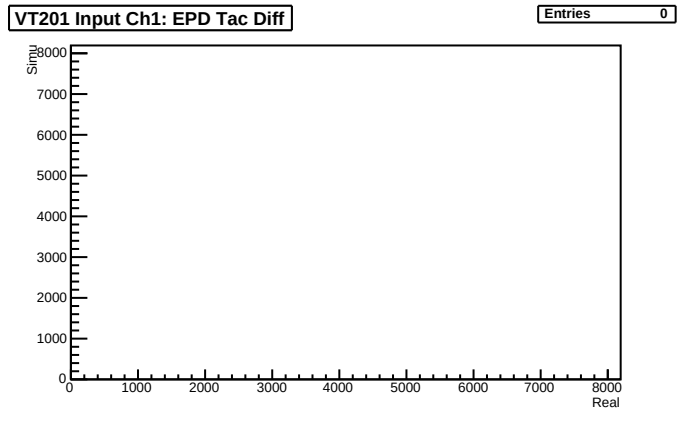

VT201 Input Ch0: BBC Small Tac Diff
Entries 10876
Tac

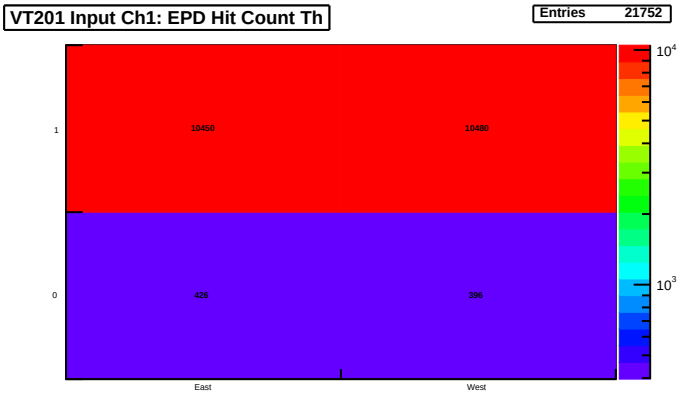

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

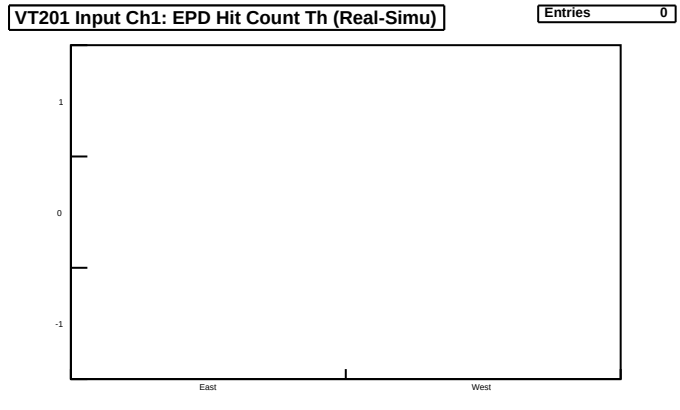

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 21752
8942
10054
1934
822
East
West

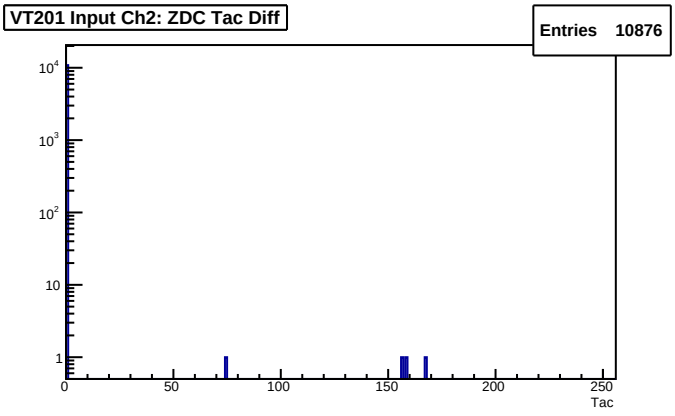

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

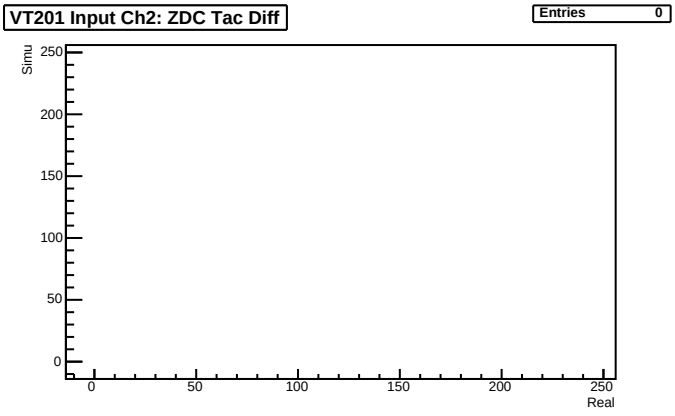

VT201 Input Ch1: EPD Tac Diff
Entries 10876
Tac

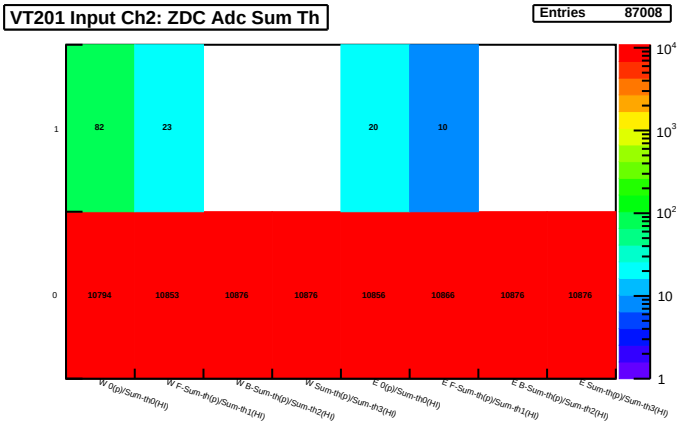

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

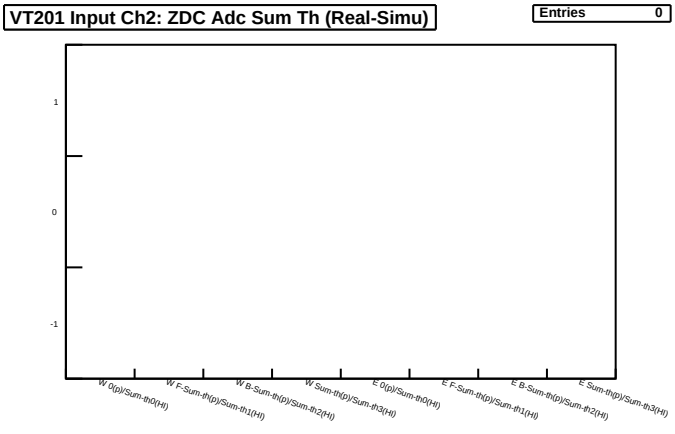

VT201 Input Ch1: EPD Hit Count Th
Entries 21752
10450
10480
426
396
East
West

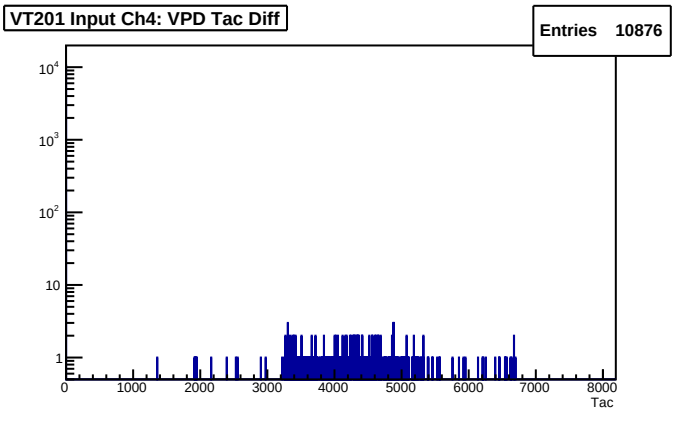

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

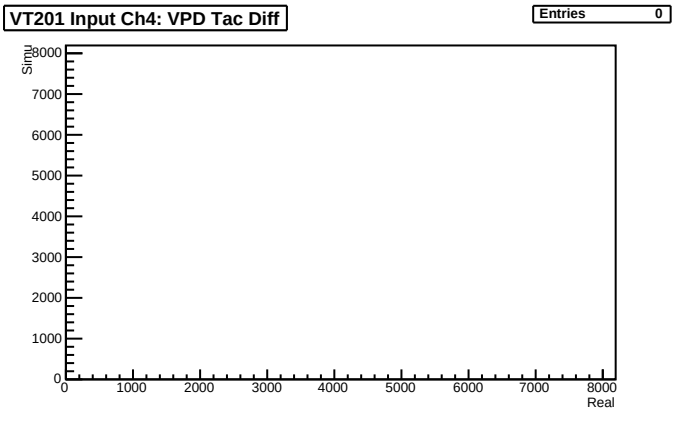

VT201 Input Ch2: ZDC Tac Diff
Entries 10876
Tac

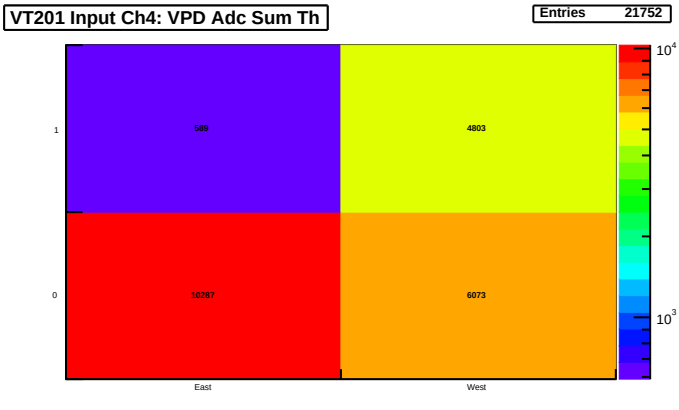

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

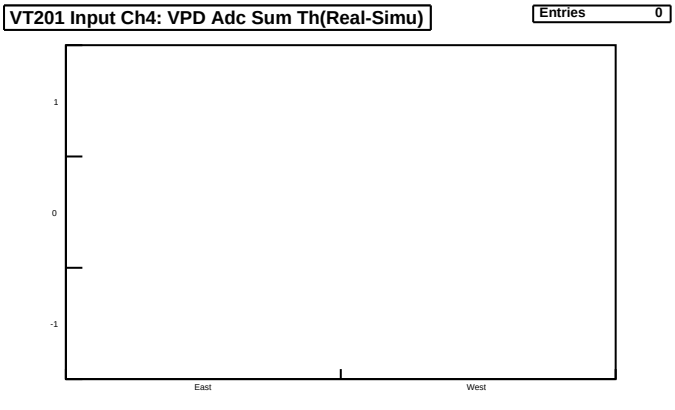

VT201 Input Ch2: ZDC Adc Sum Th
Entries 87008
82
23
20
10
10794
10853
10876
10876
10856
10866
10876
10876
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

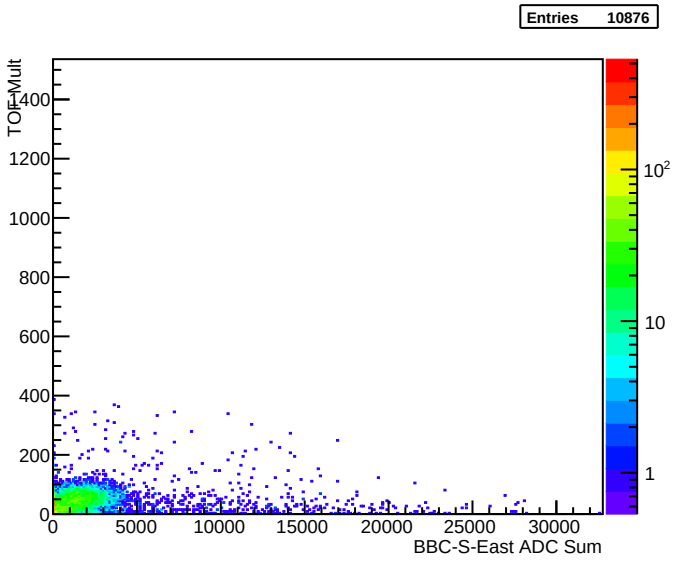

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

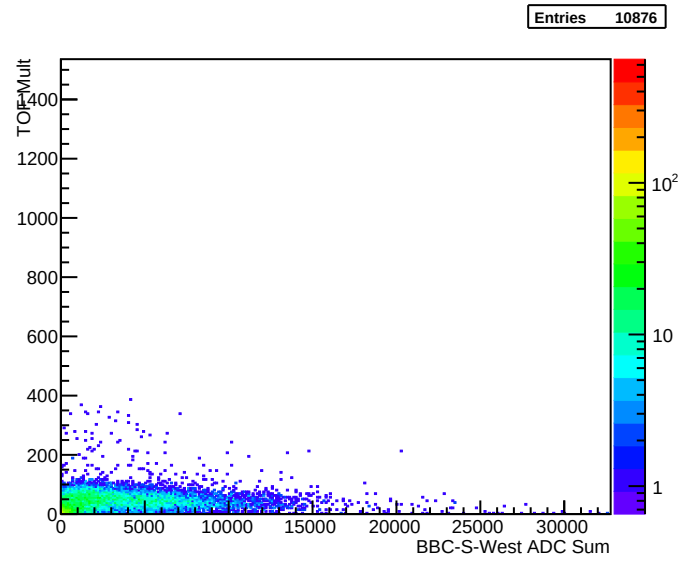

VT201 Input Ch4: VPD Tac Diff
Entries 10876
Tac

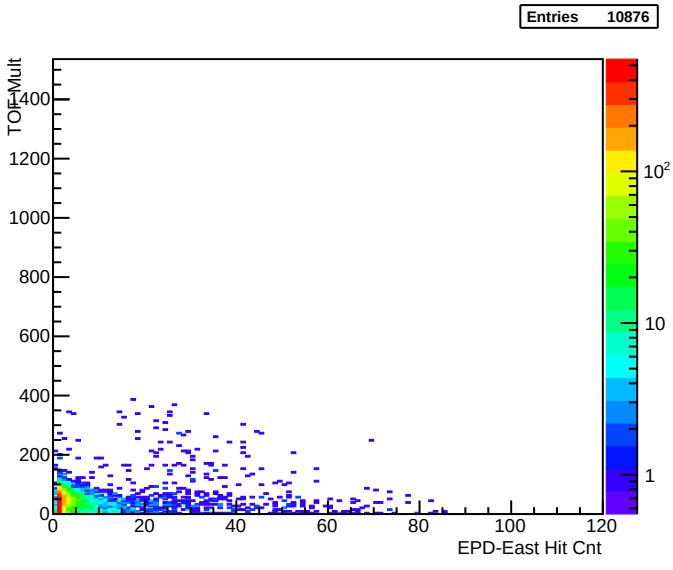

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

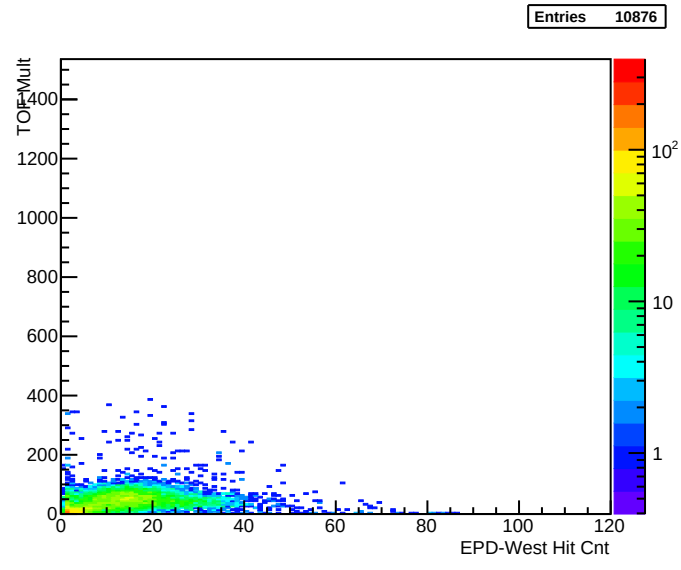

VT201 Input Ch4: VPD Adc Sum Th
Entries 21752
589
4803
10287
6073
East
West

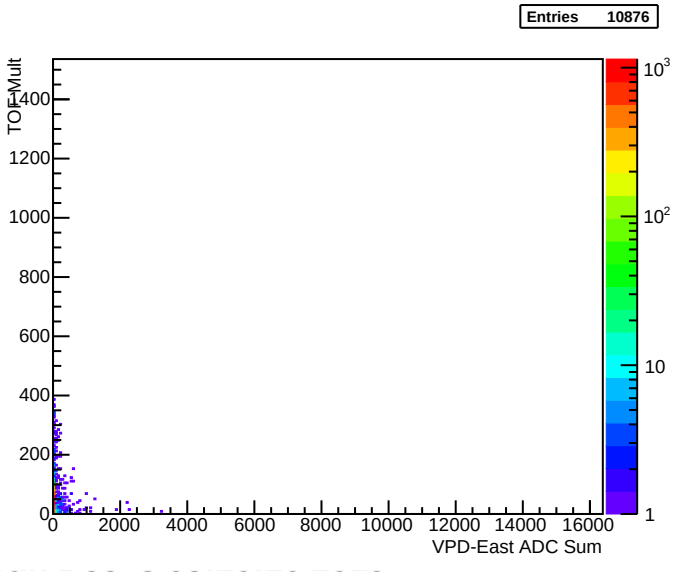

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

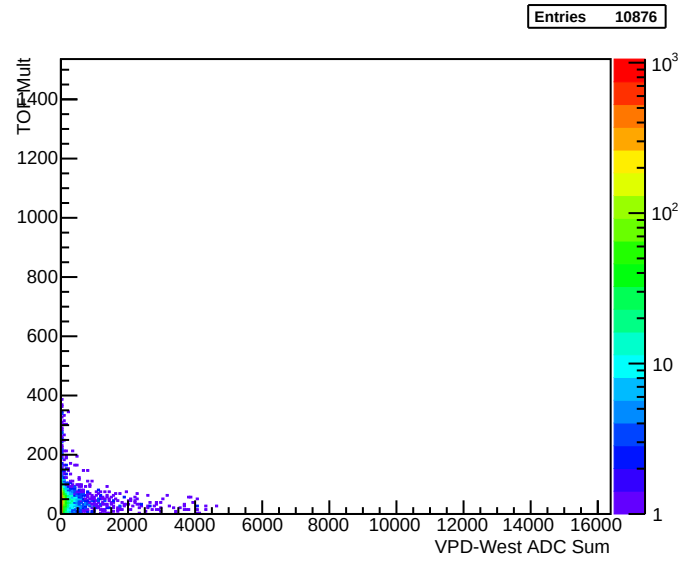

Entries 10876
TOF-Mult
BBC-S-East ADC Sum

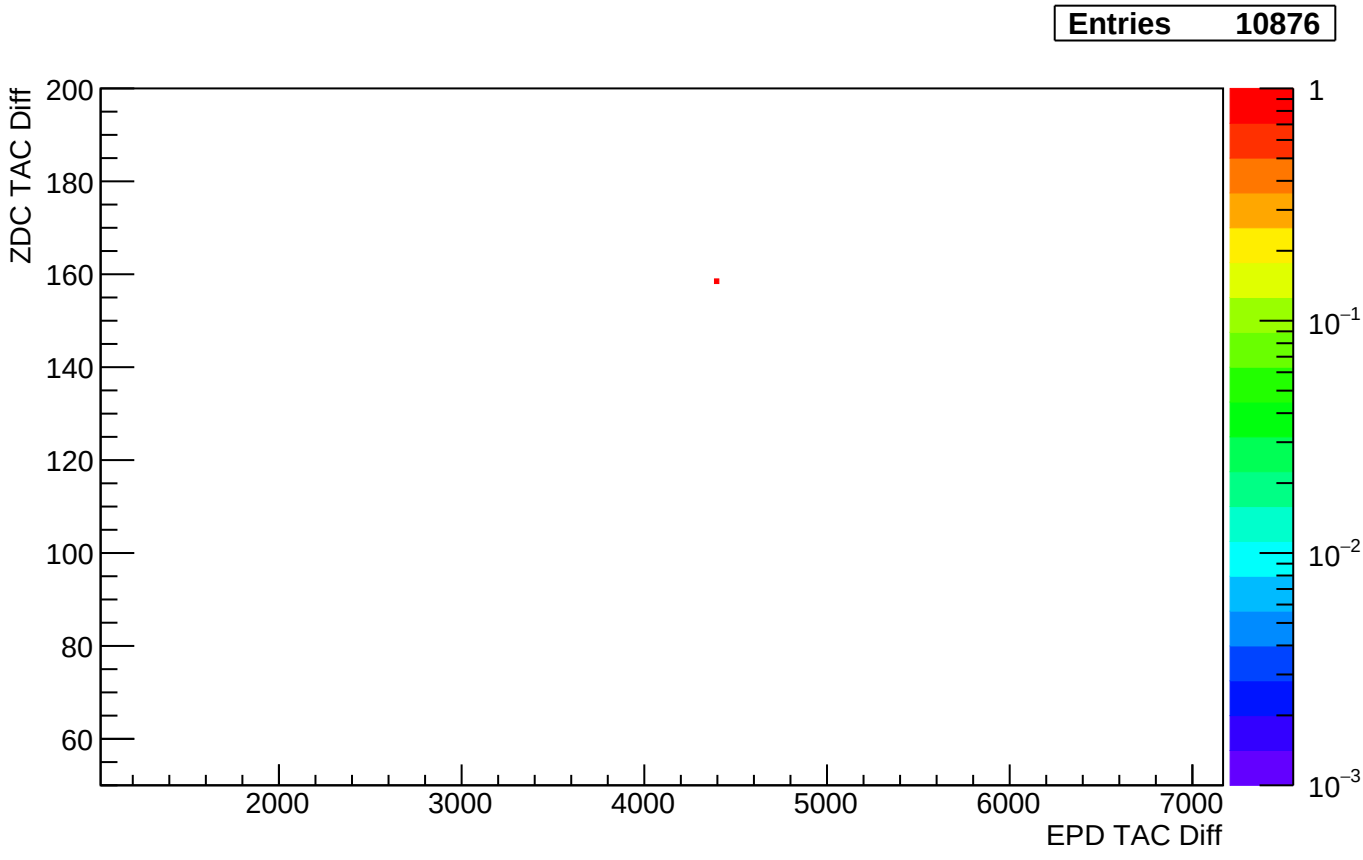

Entries 10876
TOF-Mult
BBC-S-West ADC Sum

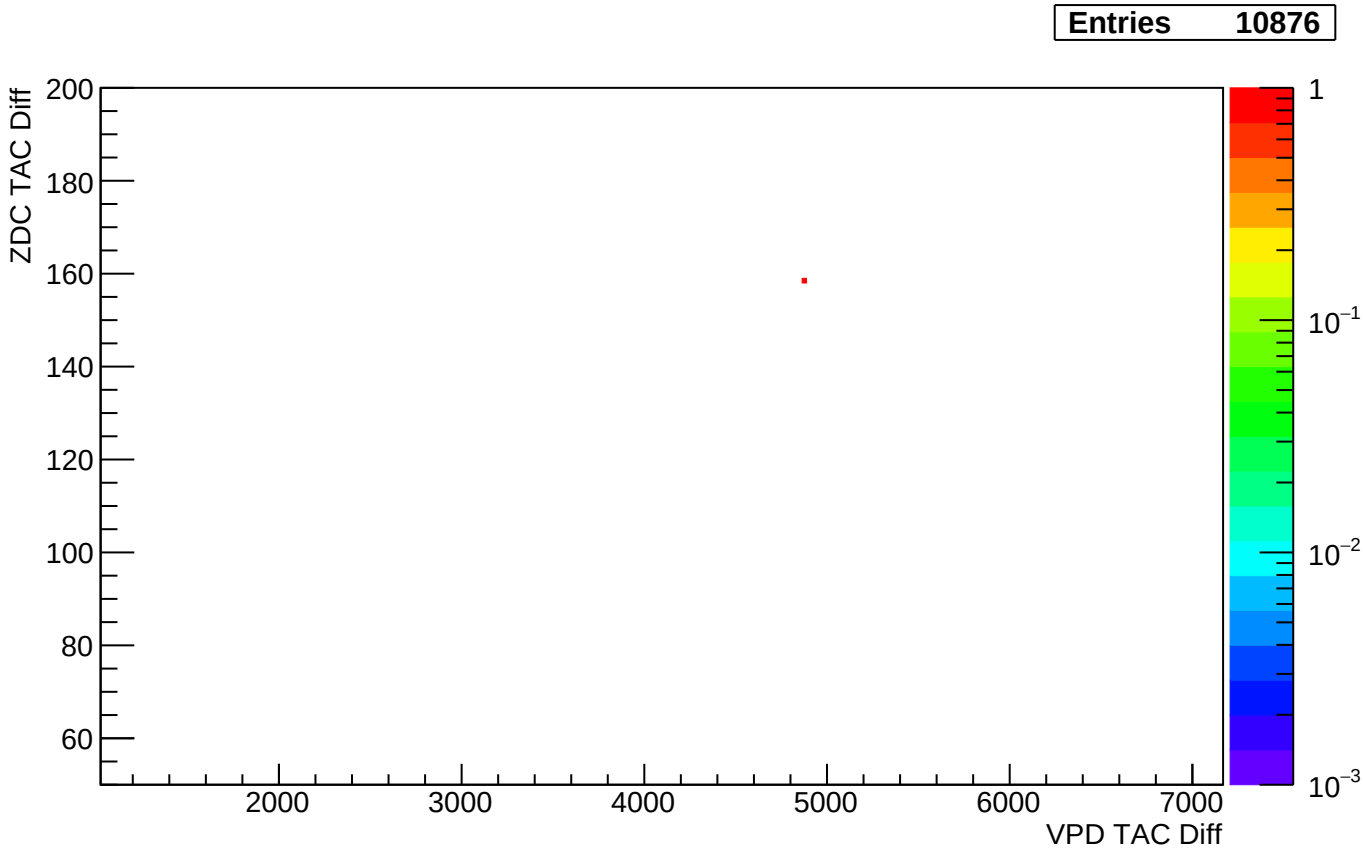

Entries 10876
TOF-Mult
EPD-East Hit Cnt

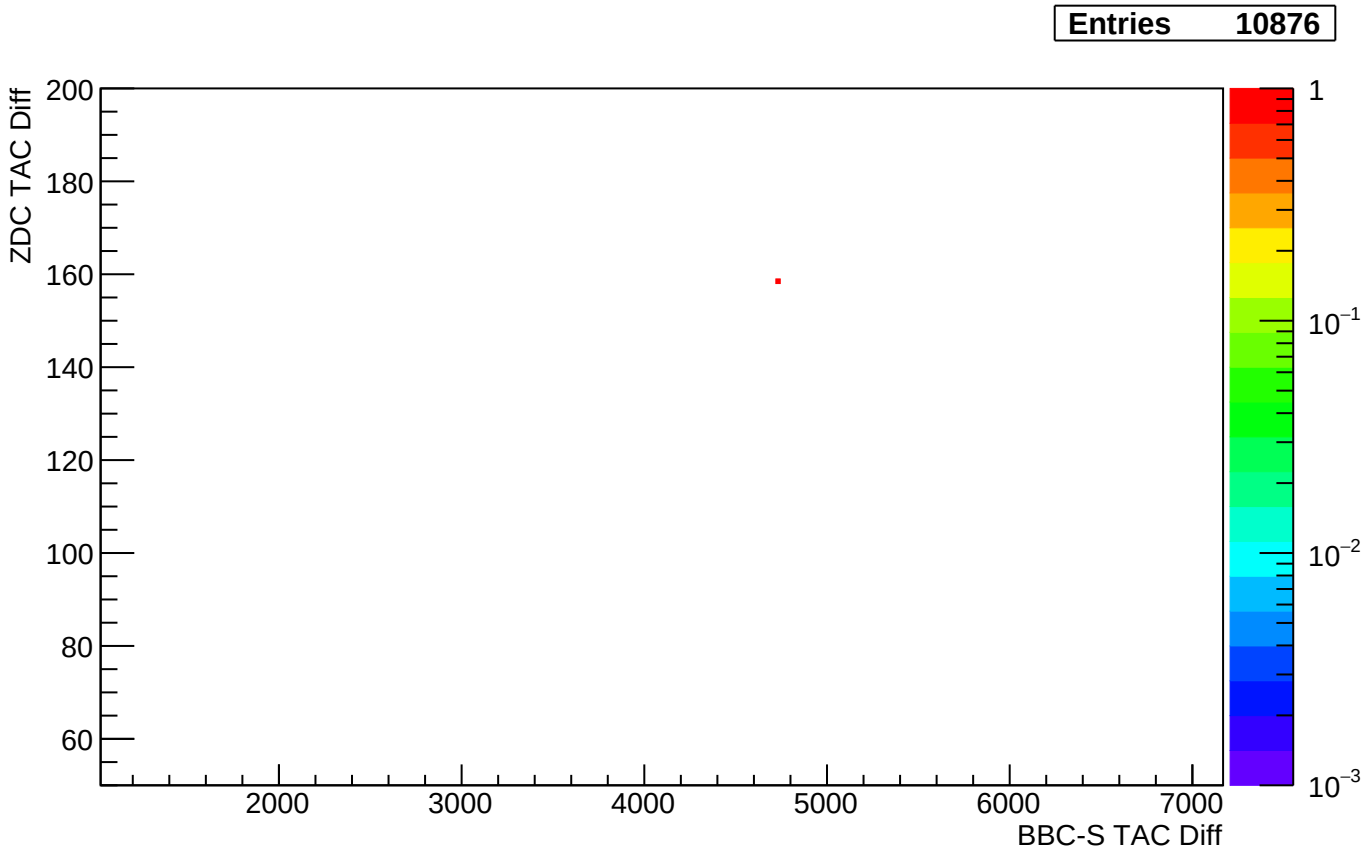

Entries 10876
TOF-Mult
EPD-West Hit Cnt

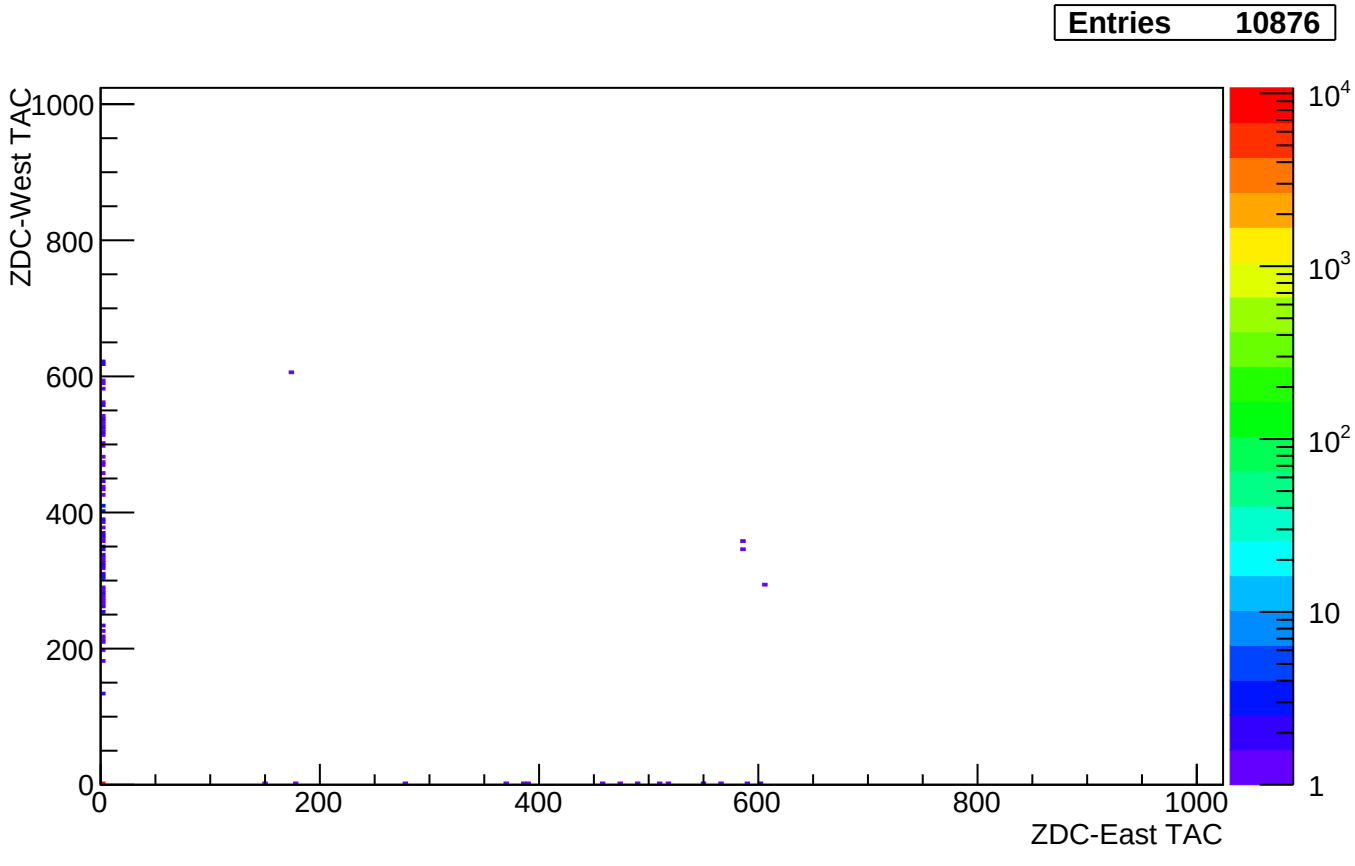

Entries 10876
TOF-Mult
VPD-East ADC Sum

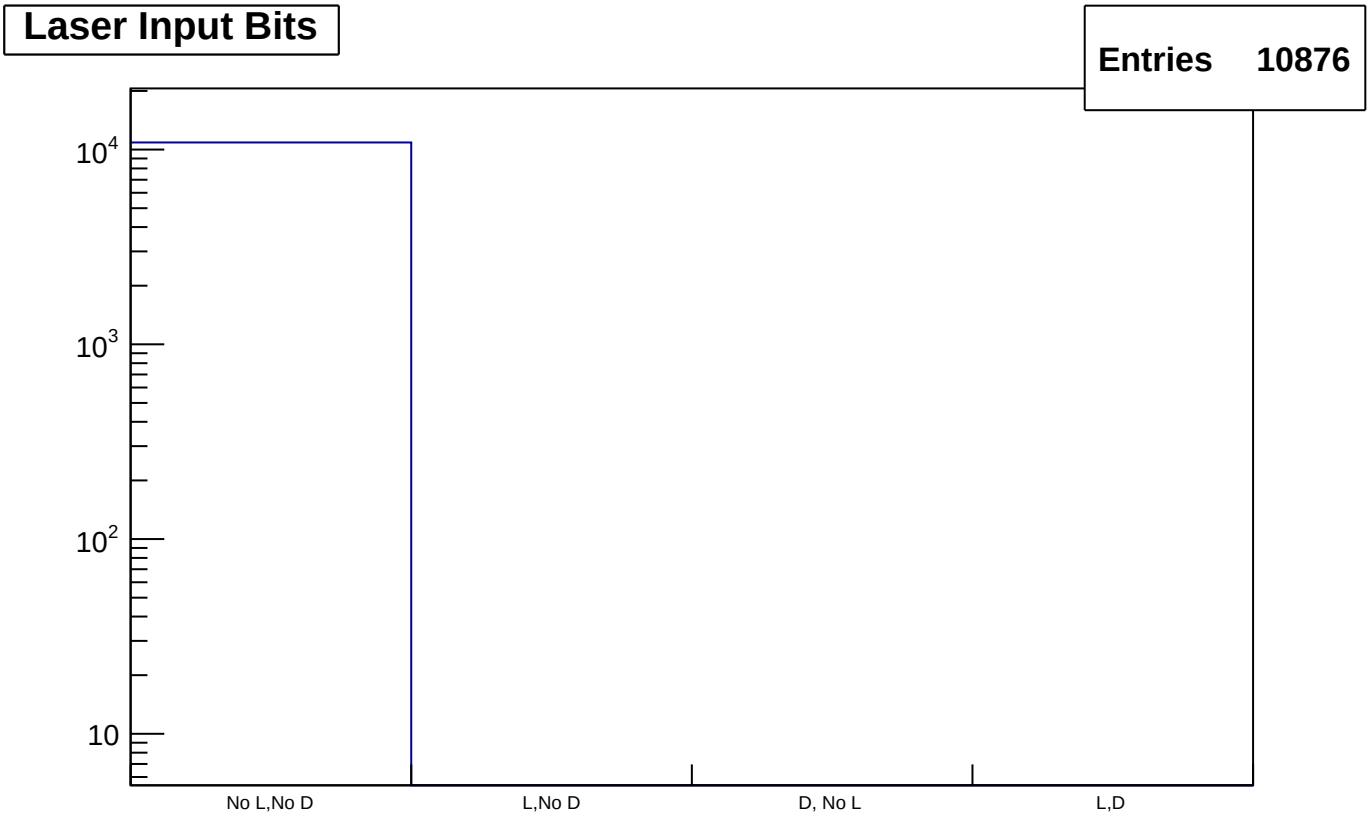

Entries 10876
TOF-Mult
VPD-West ADC Sum

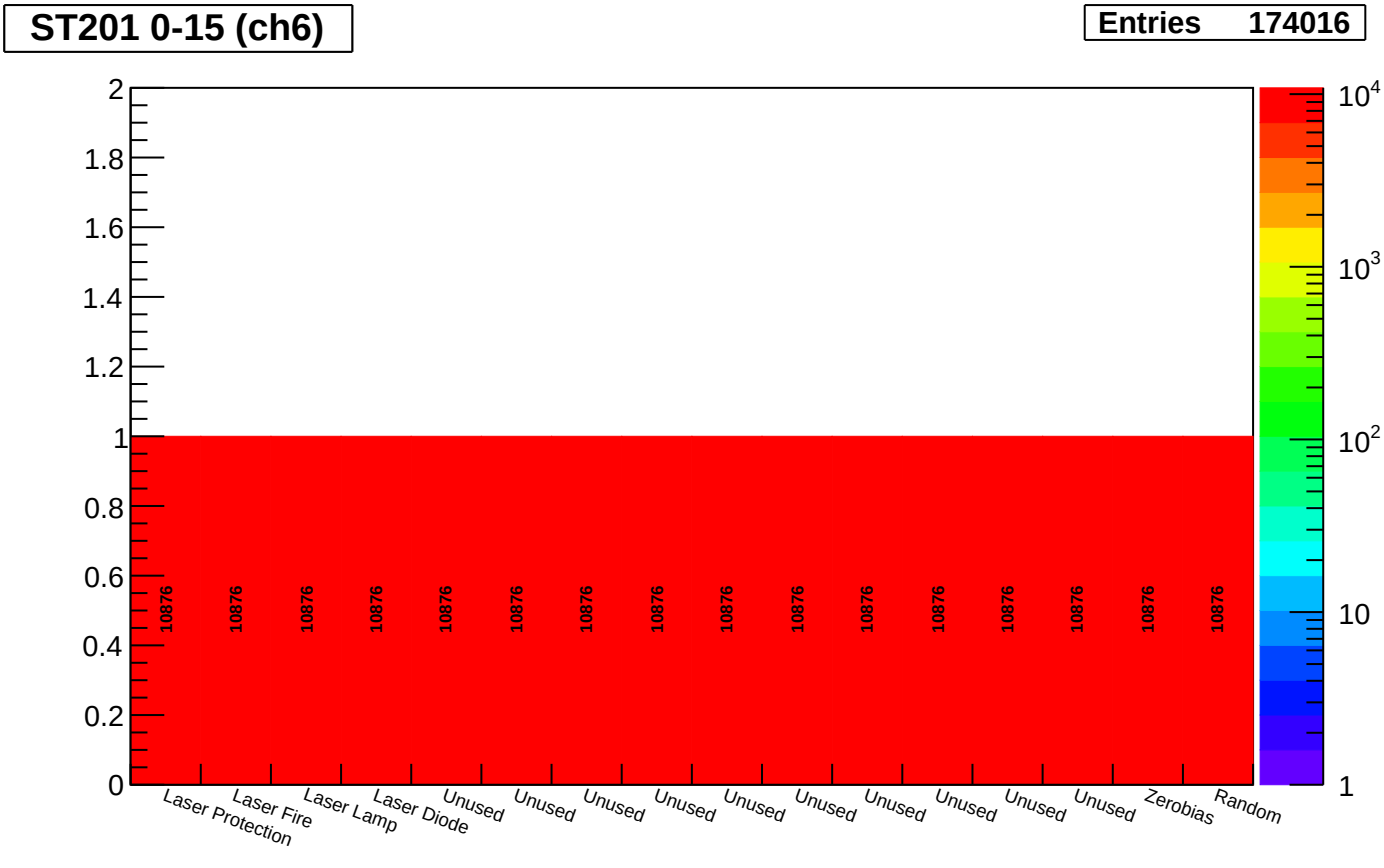

Entries 10876
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
$10^{-1}$
$10^{-2}$
$10^{-3}$

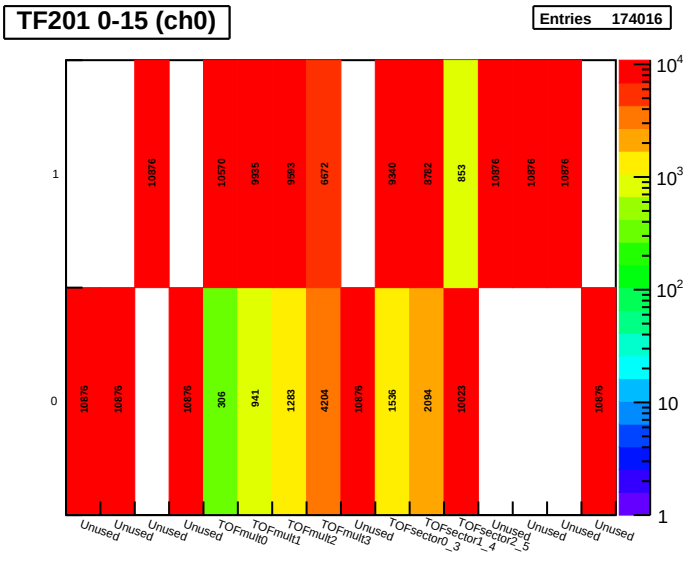

Entries 10876
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
$10^{-1}$
$10^{-2}$
$10^{-3}$

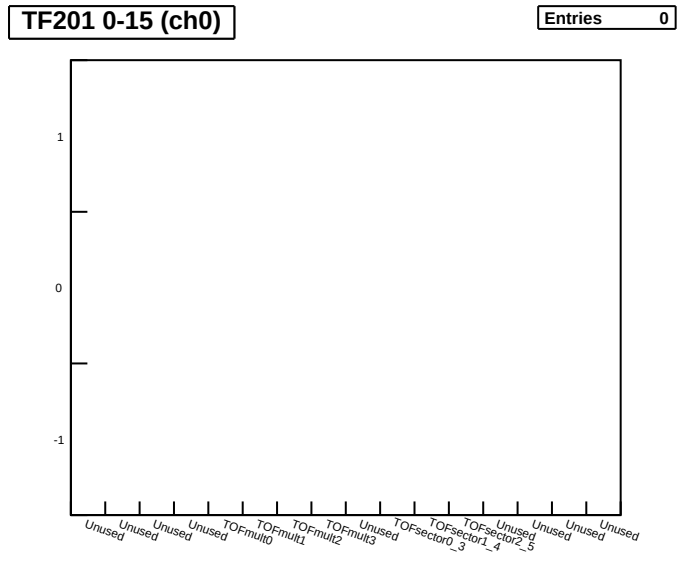

Entries 10876
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
$10^{-1}$
$10^{-2}$
$10^{-3}$

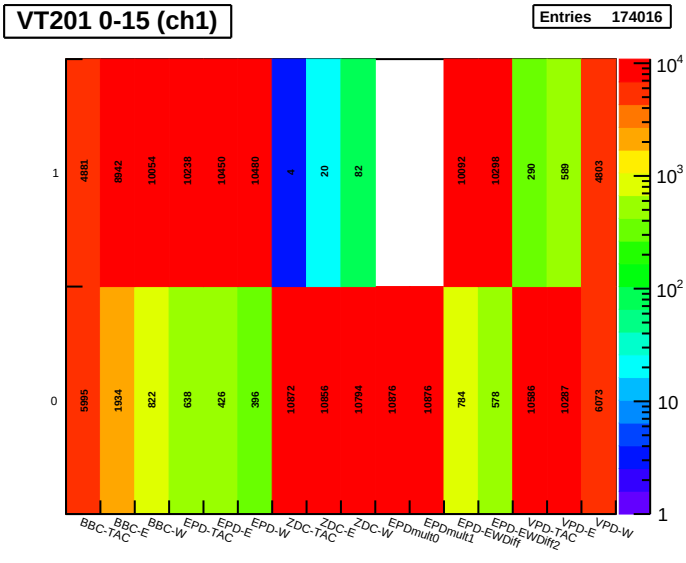

Entries 10876
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
$10^4$
$10^3$
$10^2$
10
1

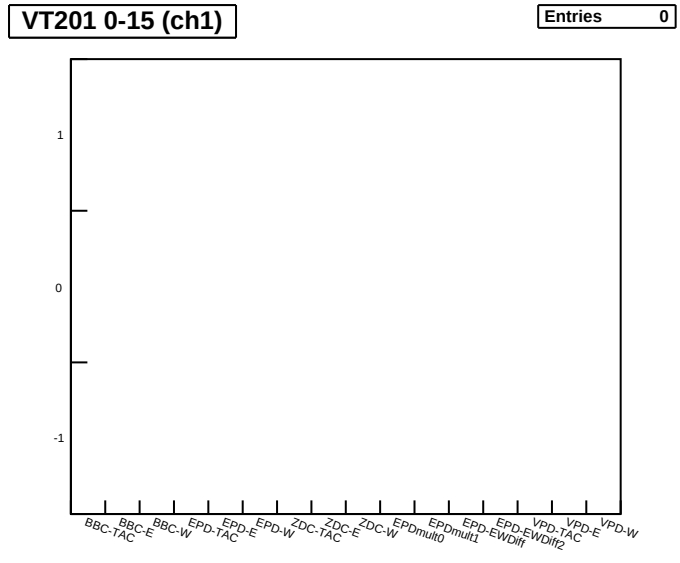

Laser Input Bits
Entries 10876
$10^4$
$10^3$
$10^2$
10
No L,No D
L,No D
D, No L
L,D

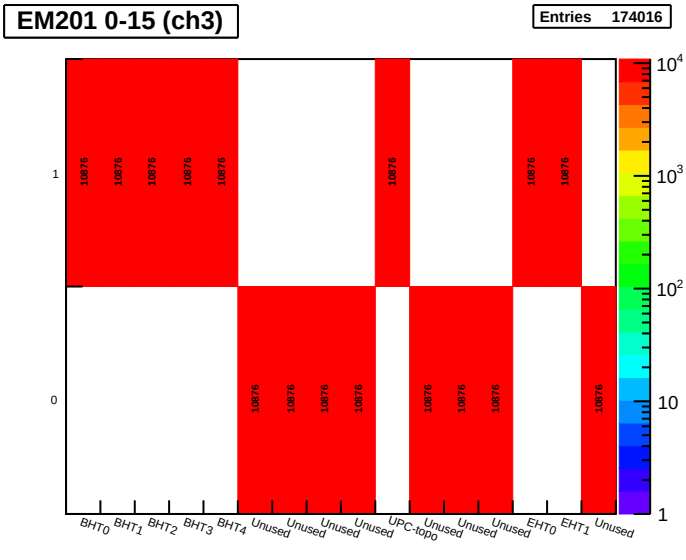

ST201 0-15 (ch6)
Entries 174016
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
10876
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
$10^4$
$10^3$
$10^2$
10
1

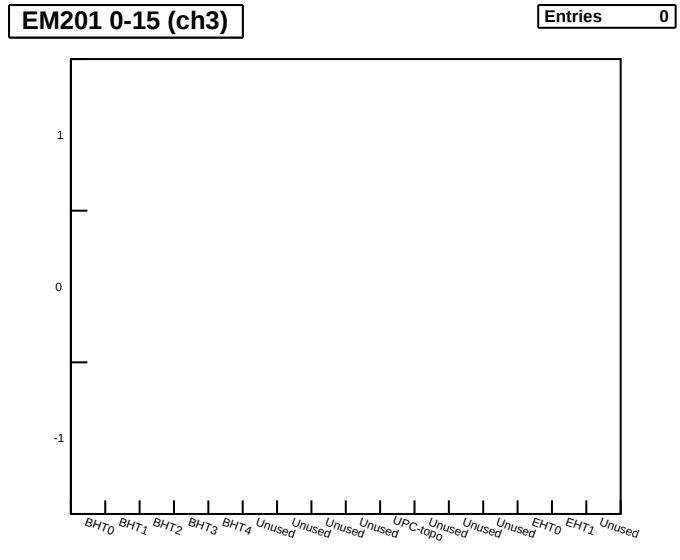

TF201 0-15 (ch0)
Entries 174016
1
0
10876
10570
9935
9693
6672
9340
8782
853
10876
10876
10876
10876
10876
306
941
1283
4204
10876
1536
2094
10023
10876
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
$10^4$
$10^3$
$10^2$
10
1


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


VT201 0-15 (ch1)
Entries 174016
1
0
4881
8942
10054
10238
10450
10480
4
20
82
10092
10298
290
589
4803
5995
1934
822
638
426
396
10872
10856
10794
10876
10876
784
578
10586
10287
6073
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 174016
1
0
10876
10876
10876
10876
10876
10876
10876
10876
10876
10876
10876
10876
10876
10876
10876
10876
10876
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
$10^4$
$10^3$
$10^2$
10
1


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