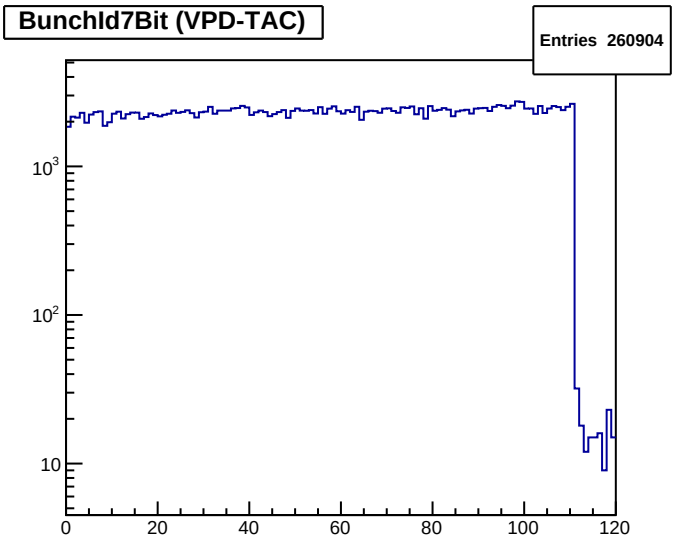
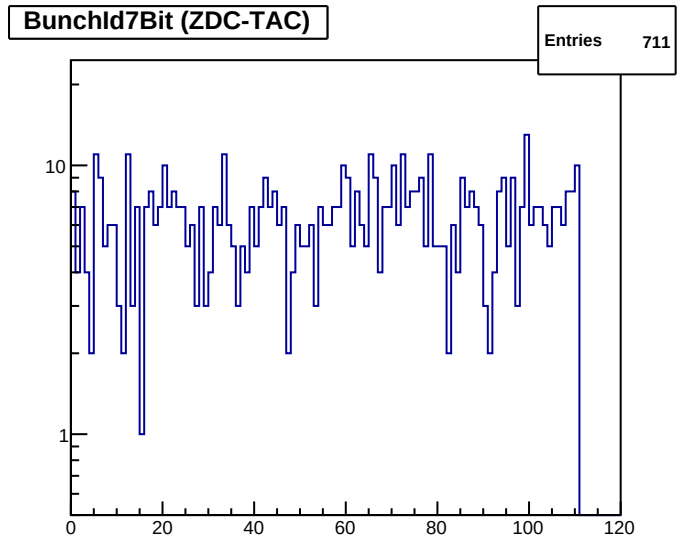
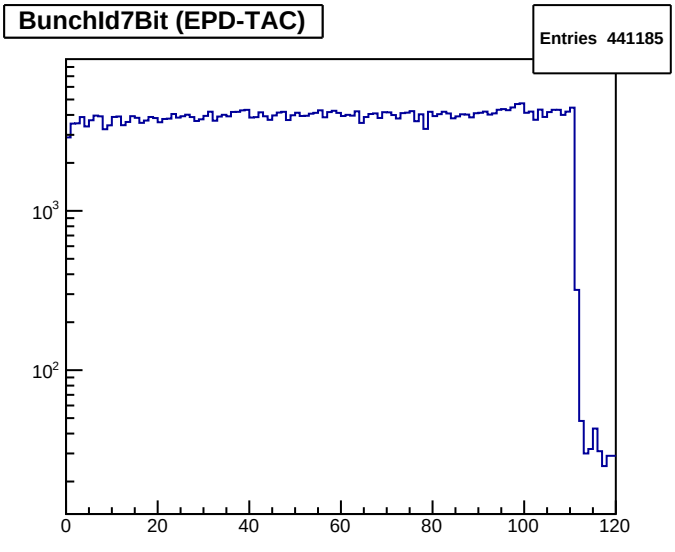
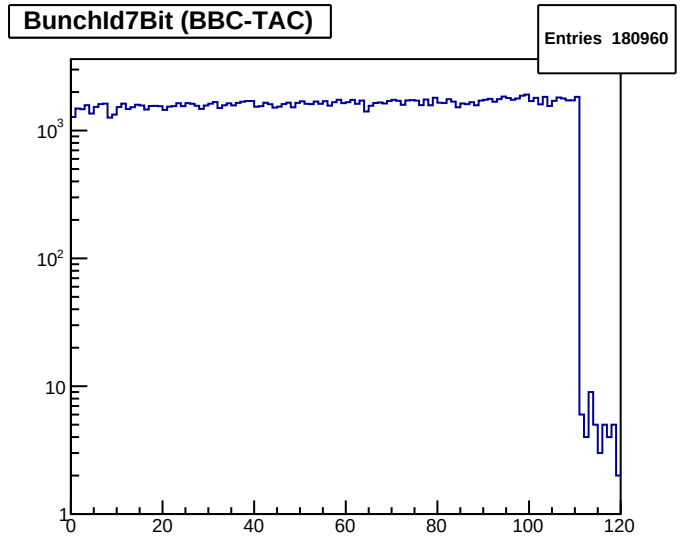
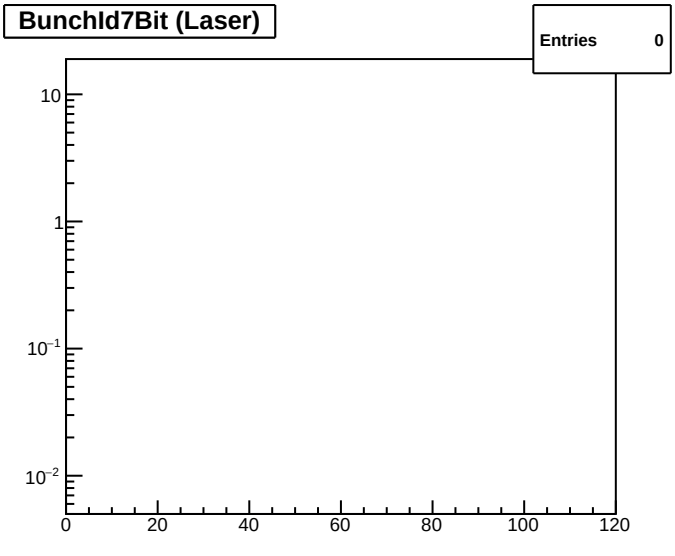
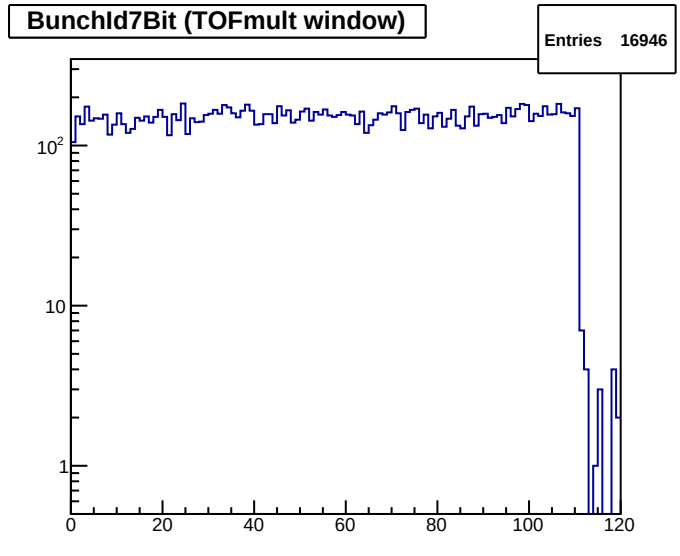

BunchId7Bit (VPD-TAC)
Entries 260904
10^3
10^2
10
0 20 40 60 80 100 120

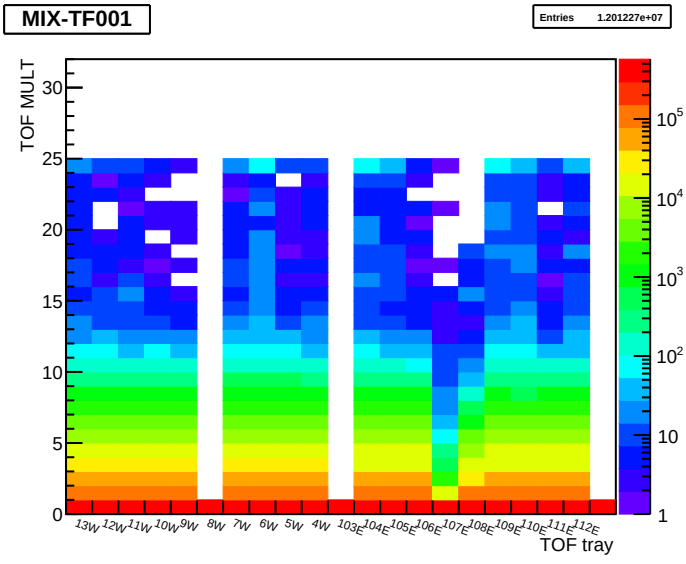

BunchId7Bit (ZDC-TAC)
Entries 711
10
1
0 20 40 60 80 100 120

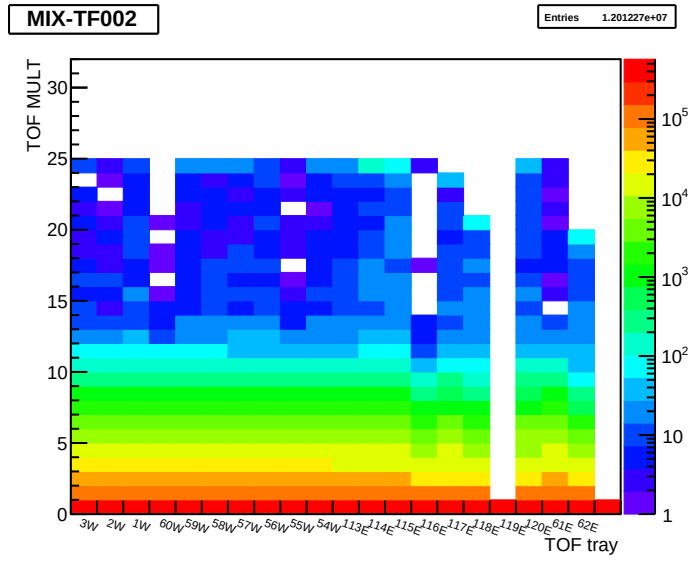

BunchId7Bit (EPD-TAC)
Entries 441185
10^3
10^2
0 20 40 60 80 100 120

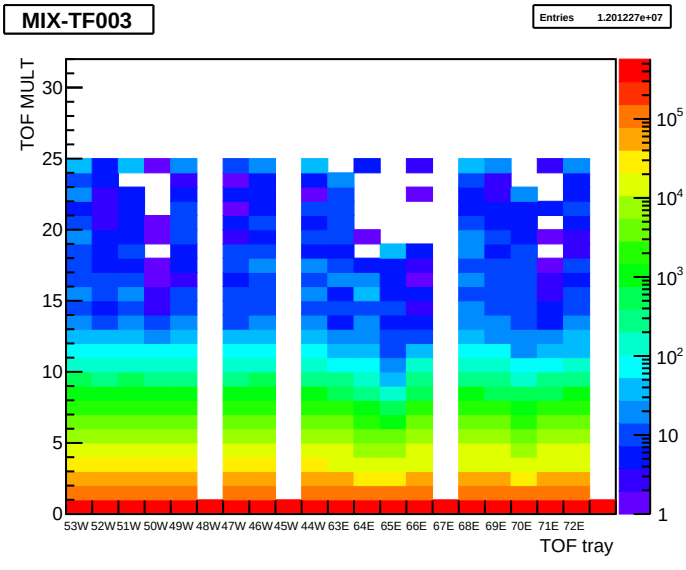

BunchId7Bit (BBC-TAC)
Entries 180960
10^3
10^2
10
1
0 20 40 60 80 100 120

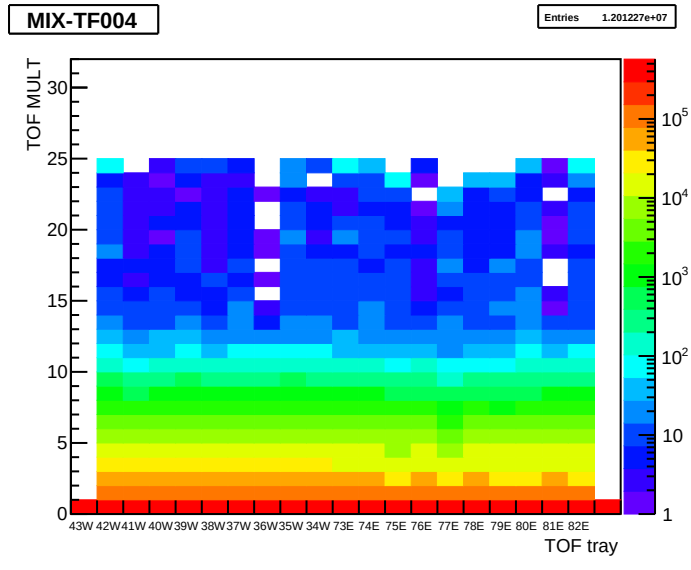

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

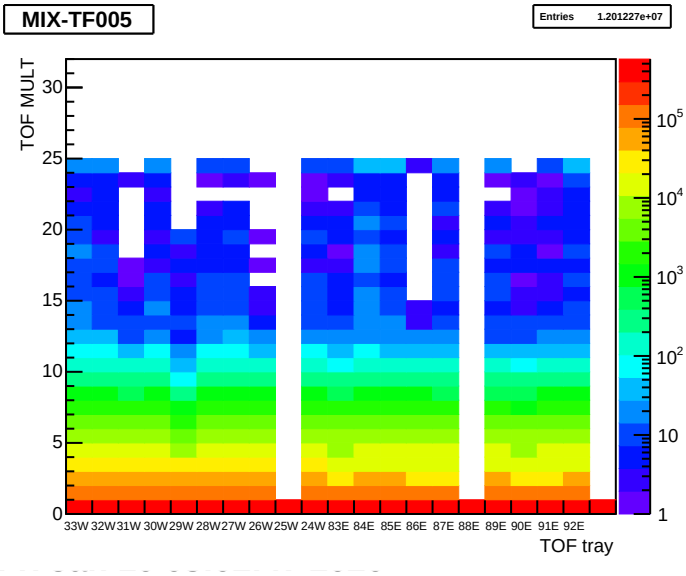

BunchId7Bit (TOFmult window)
Entries 16946
10^2
10
1
0 20 40 60 80 100 120

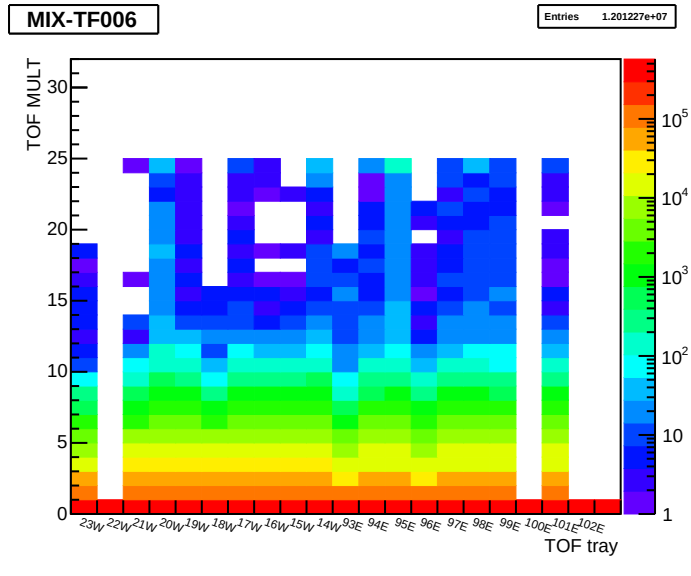

MIX-TF001
Entries 1.201227e+07
TOF MULT
TOF tray

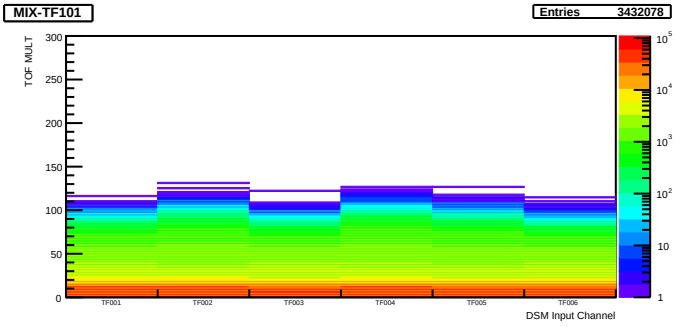

MIX-TF002
Entries 1.201227e+07
TOF MULT
TOF tray

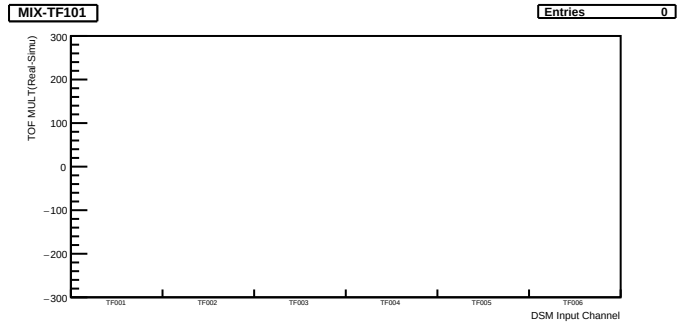

MIX-TF003
Entries 1.201227e+07
TOF MULT
TOF tray

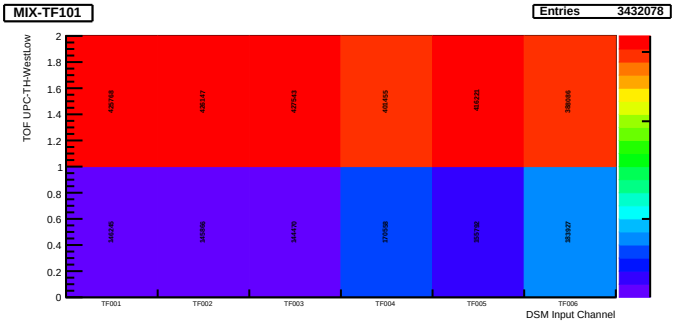

MIX-TF004
Entries 1.201227e+07
TOF MULT
TOF tray

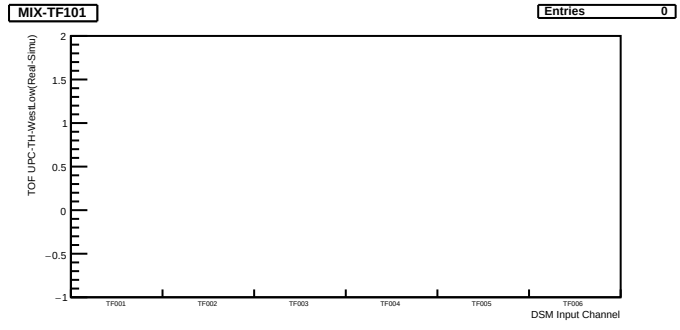

MIX-TF005
Entries 1.201227e+07
TOF MULT
TOF tray

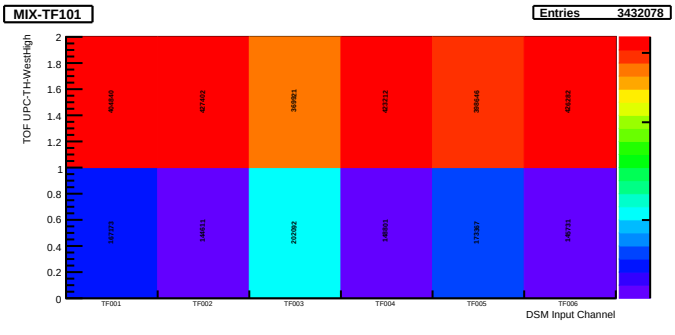

MIX-TF006
Entries 1.201227e+07
TOF MULT
TOF tray

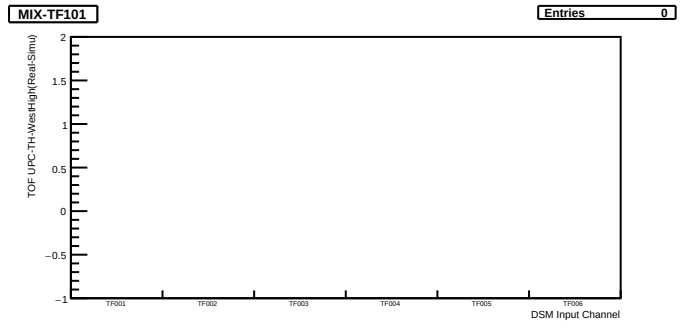

MIX-TF101
Entries 3432078
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

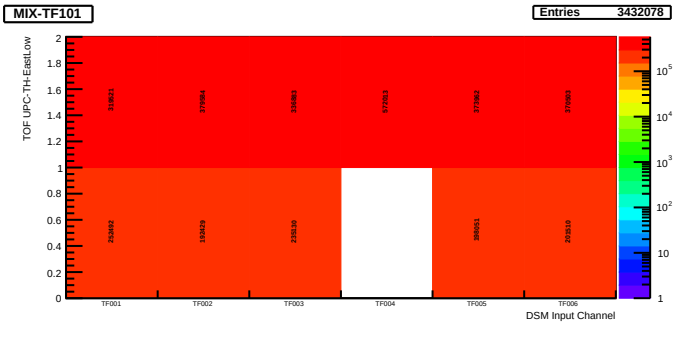

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

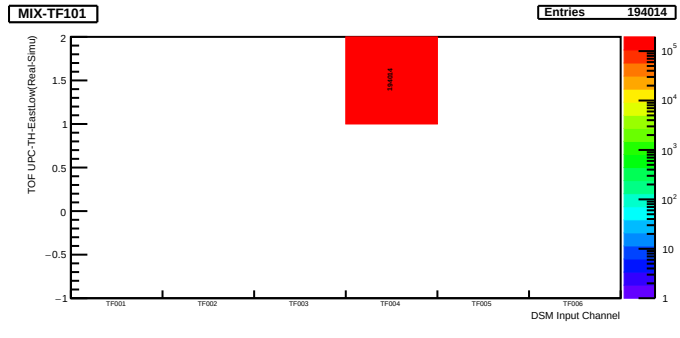

MIX-TF101
Entries 3432078
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

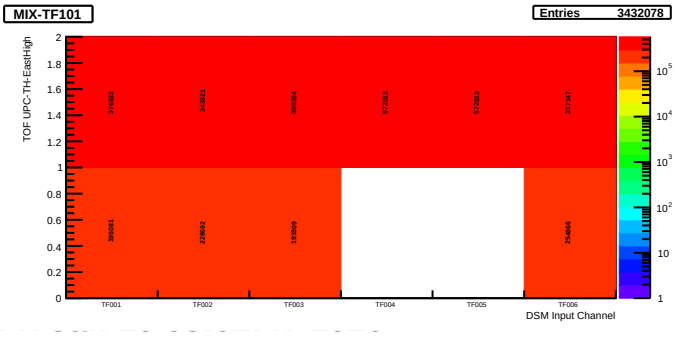

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

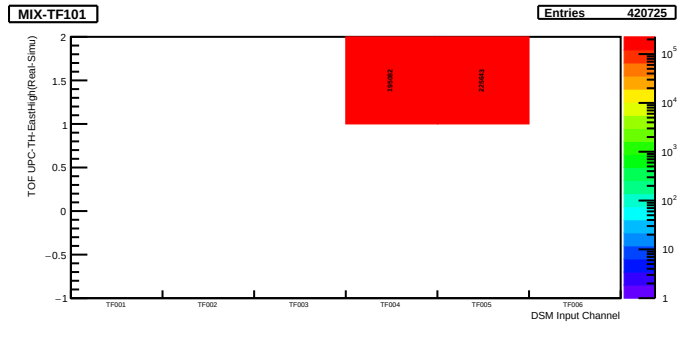

MIX-TF101
Entries 3432078
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

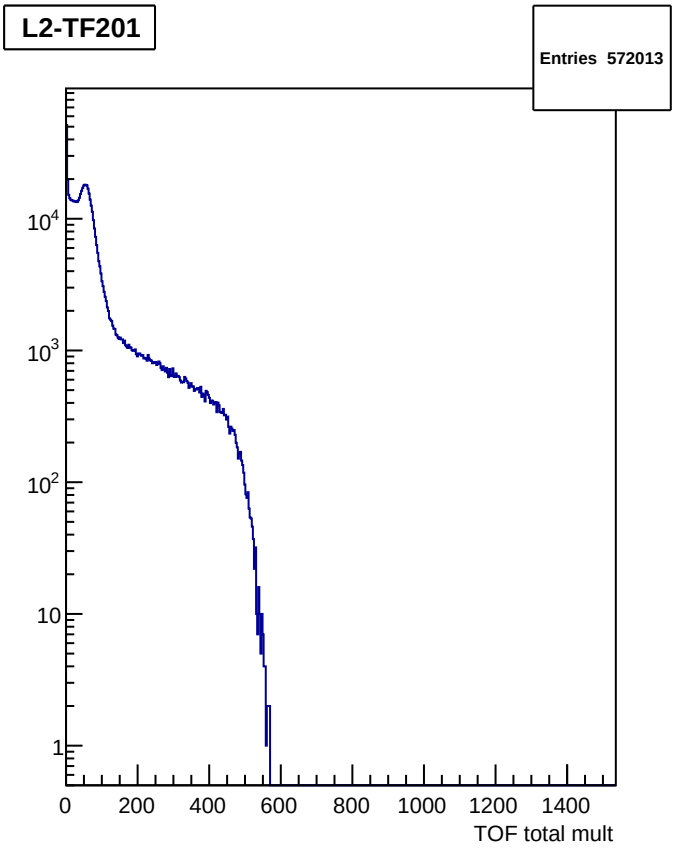

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

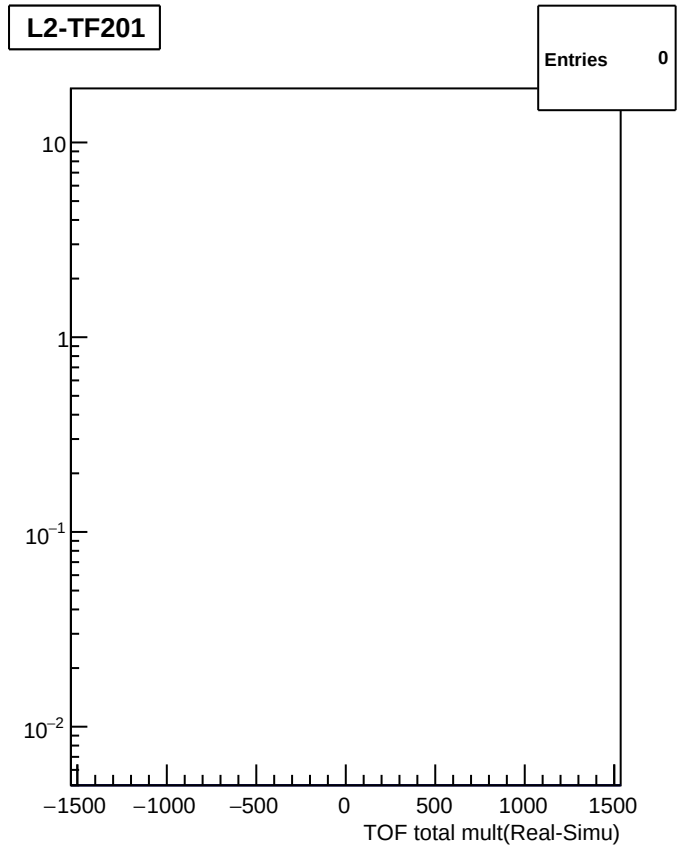

MIX-TF101
Entries 3432078
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

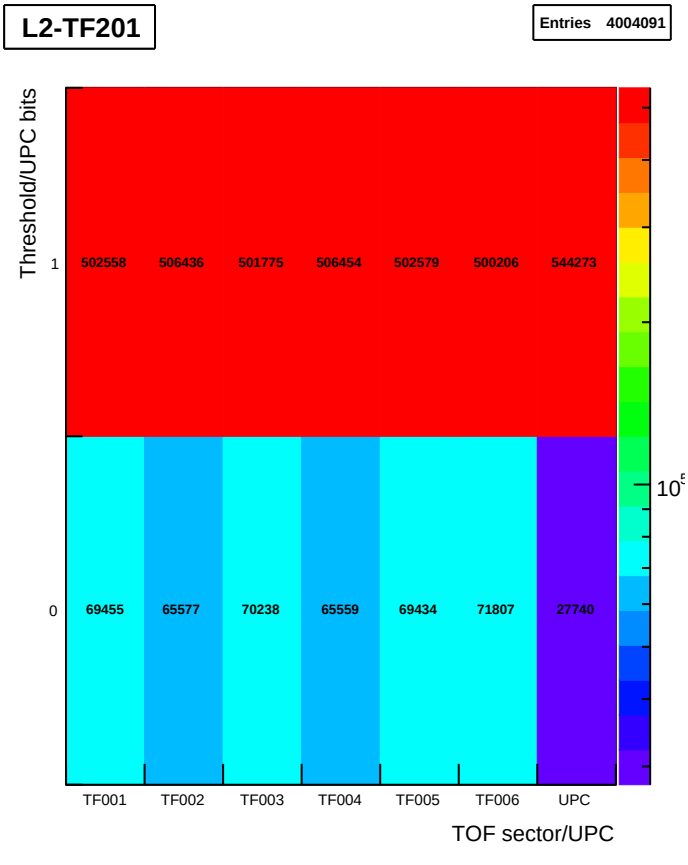

MIX-TF101
Entries 194014
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

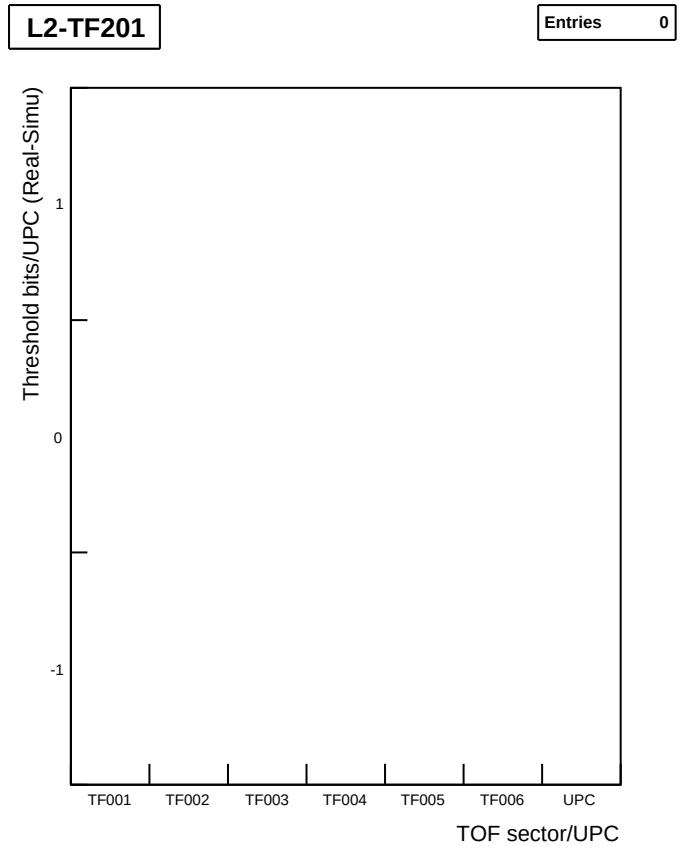

MIX-TF101
Entries 3432078
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

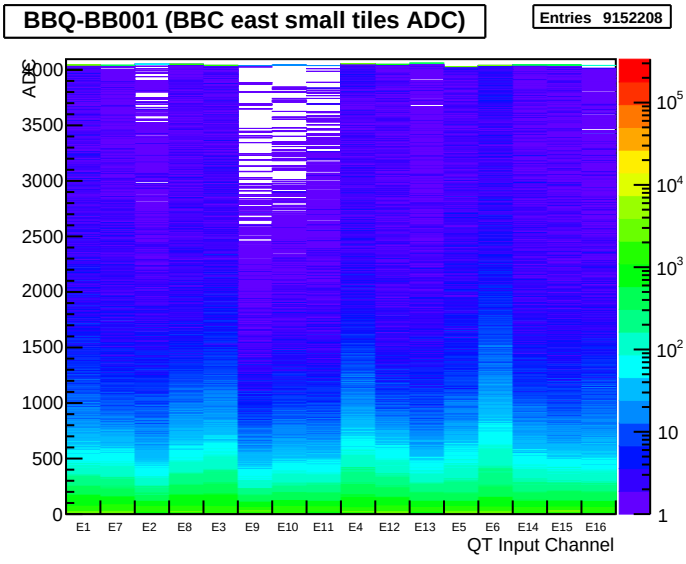

MIX-TF101
Entries 420725
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

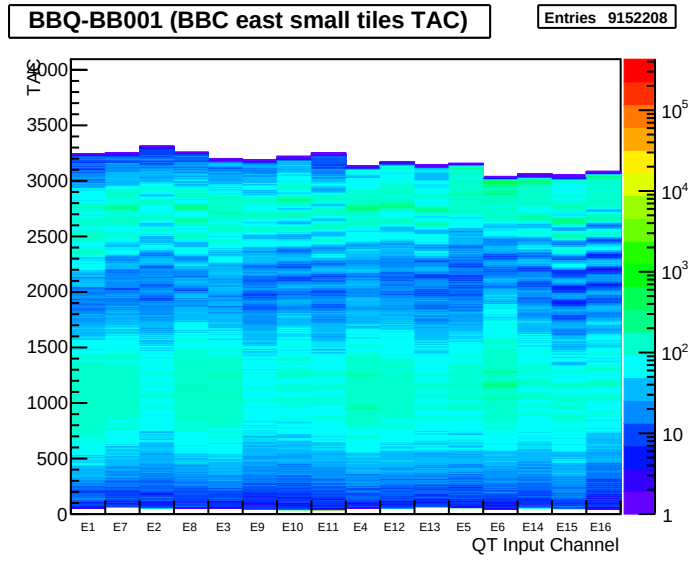

L2-TF201
Entries 572013
TOF total mult

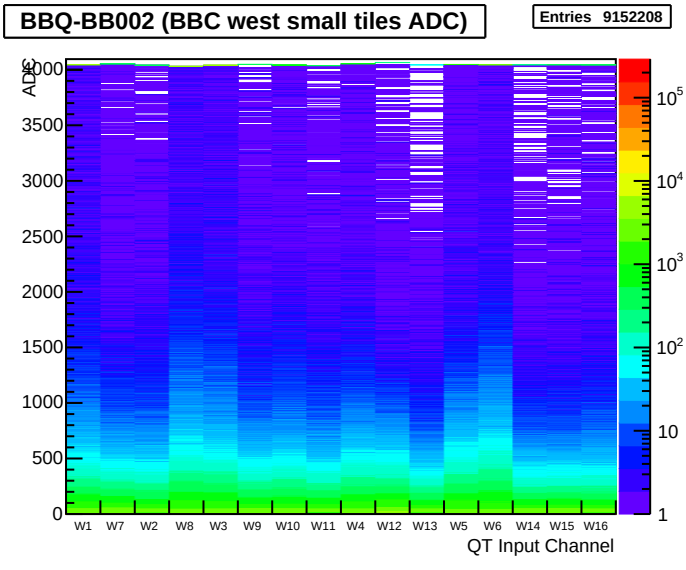

L2-TF201
Entries 0
TOF total mult(Real-Simu)

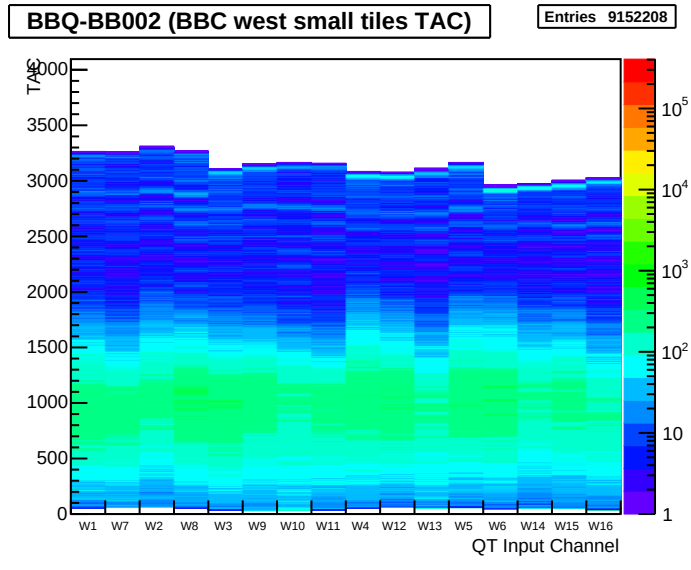

L2-TF201
Entries 4004091
Threshold/UPC bits
502558
506436
501775
506454
502579
500206
544273
69455
65577
70238
65559
69434
71807
27740
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

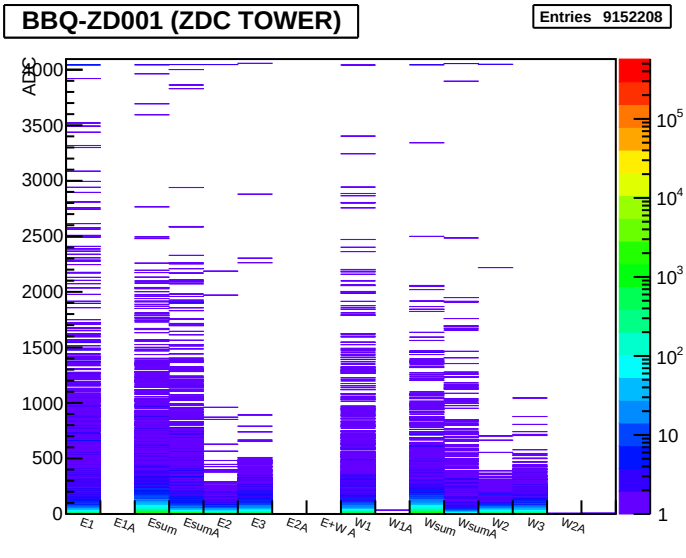

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

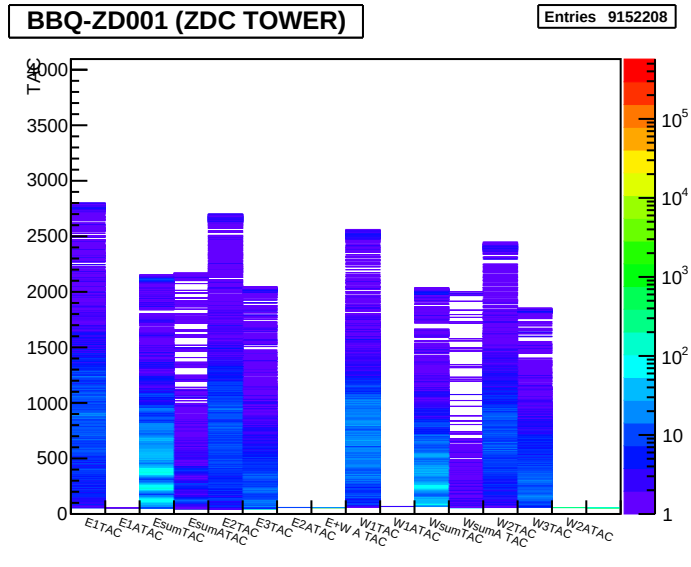

BBQ-BB001 (BBC east small tiles ADC)
Entries 9152208
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

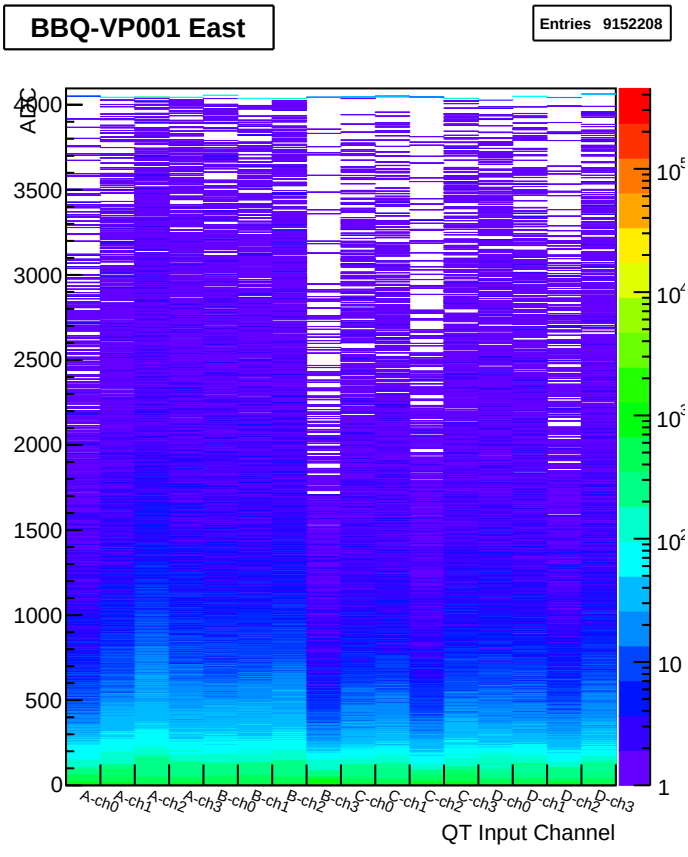

BBQ-BB001 (BBC east small tiles TAC)
Entries 9152208
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

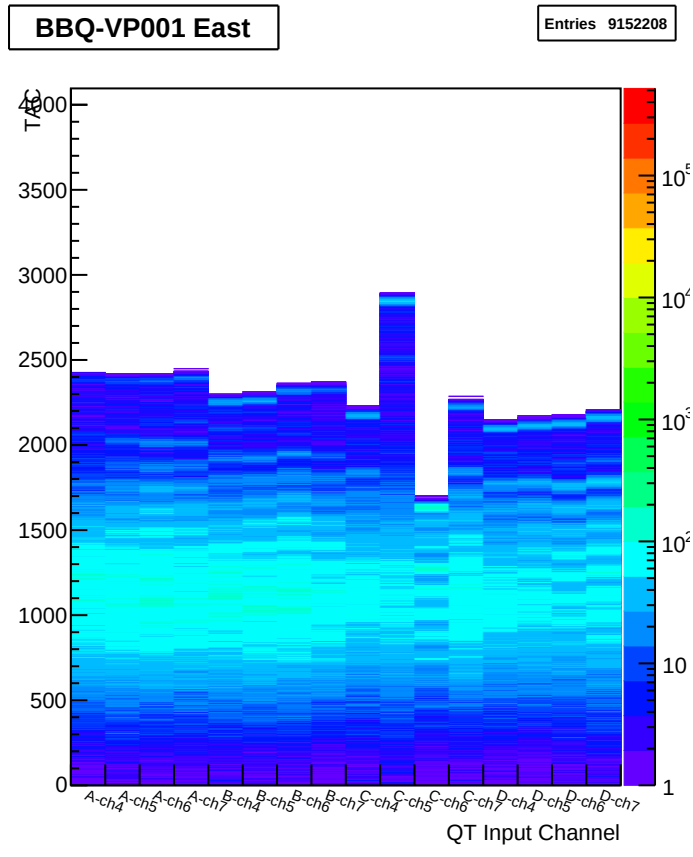

BBQ-BB002 (BBC west small tiles ADC)
Entries 9152208
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

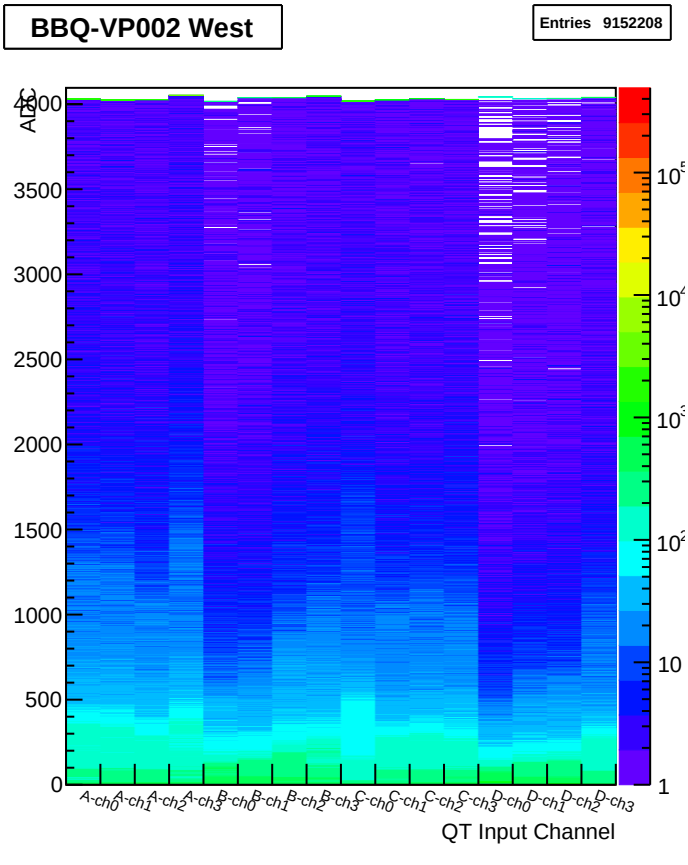

BBQ-BB002 (BBC west small tiles TAC)
Entries 9152208
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

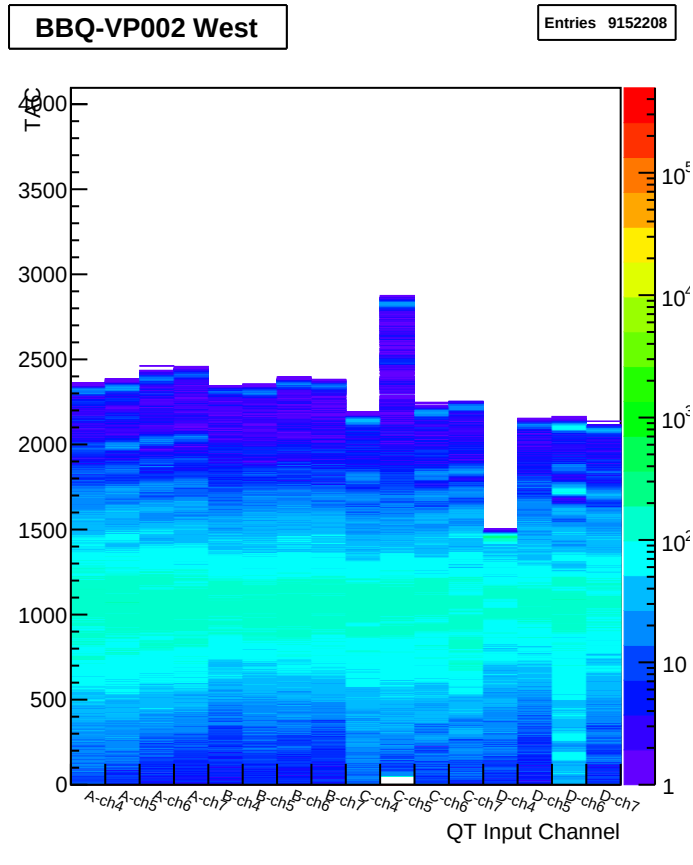

BBQ-ZD001 (ZDC TOWER)
Entries 9152208
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

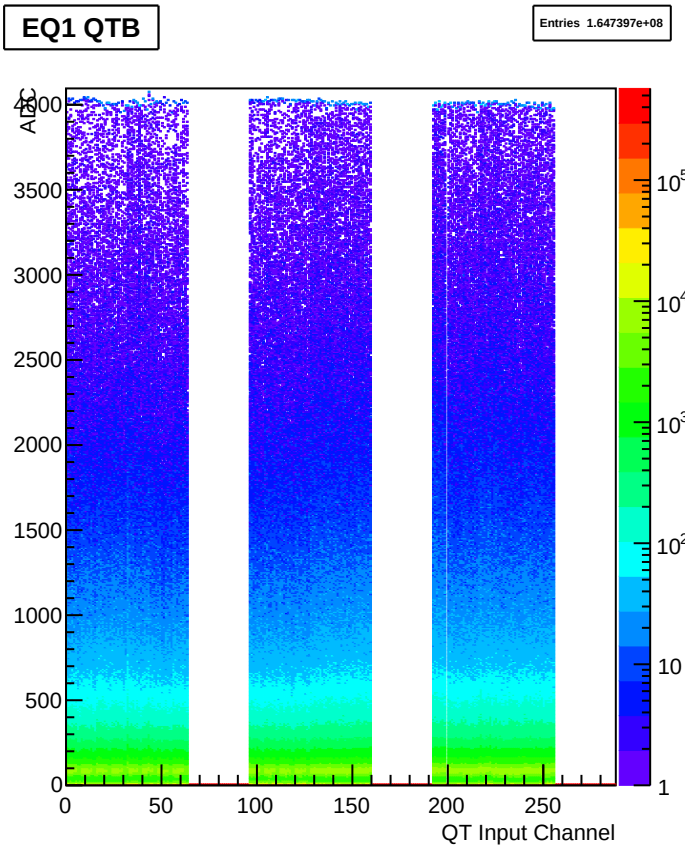

BBQ-ZD001 (ZDC TOWER)
Entries 9152208
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

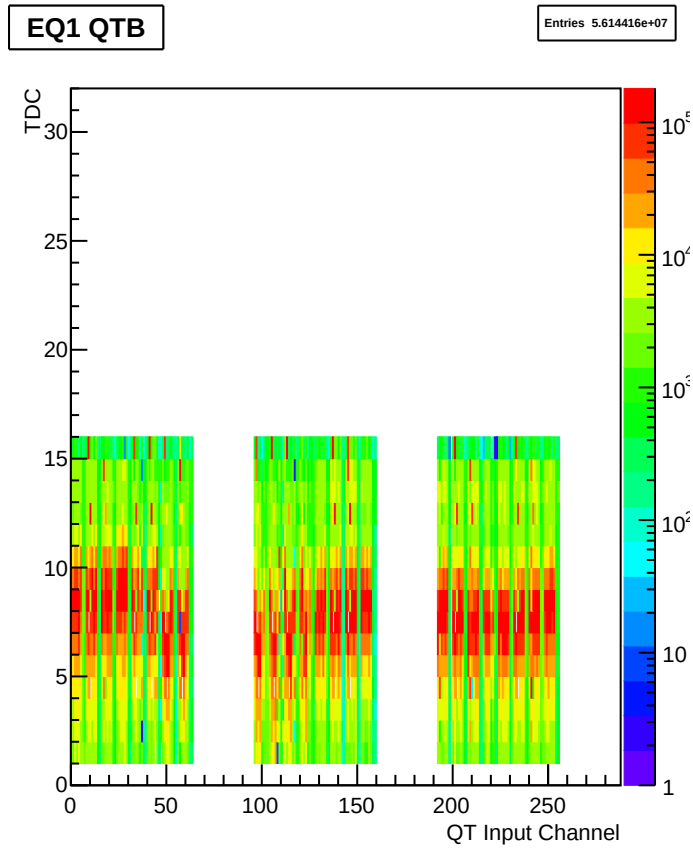

BBQ-VP001 East
Entries 9152208
ADC
QT Input Channel

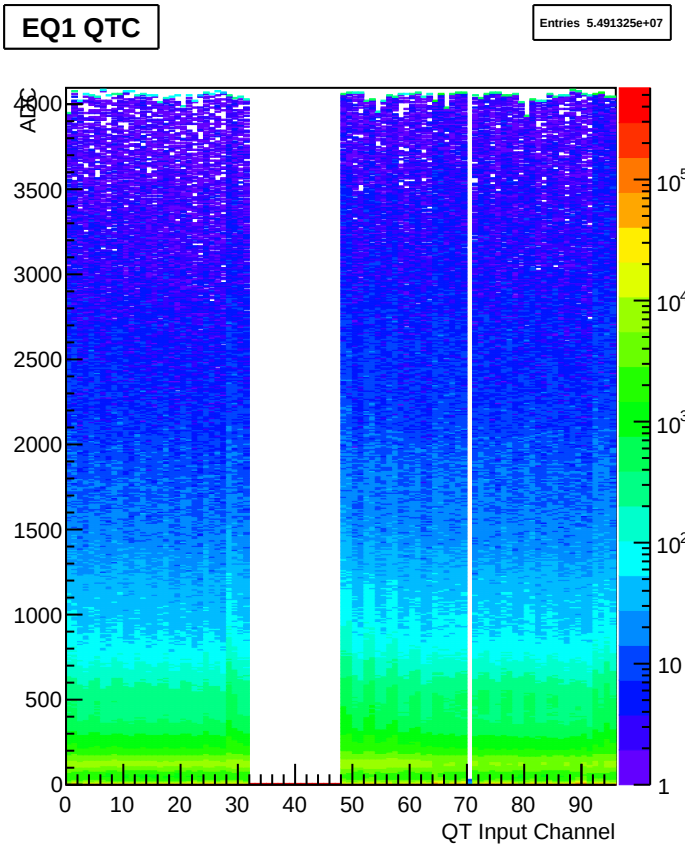

BBQ-VP001 East
Entries 9152208
ADC
QT Input Channel

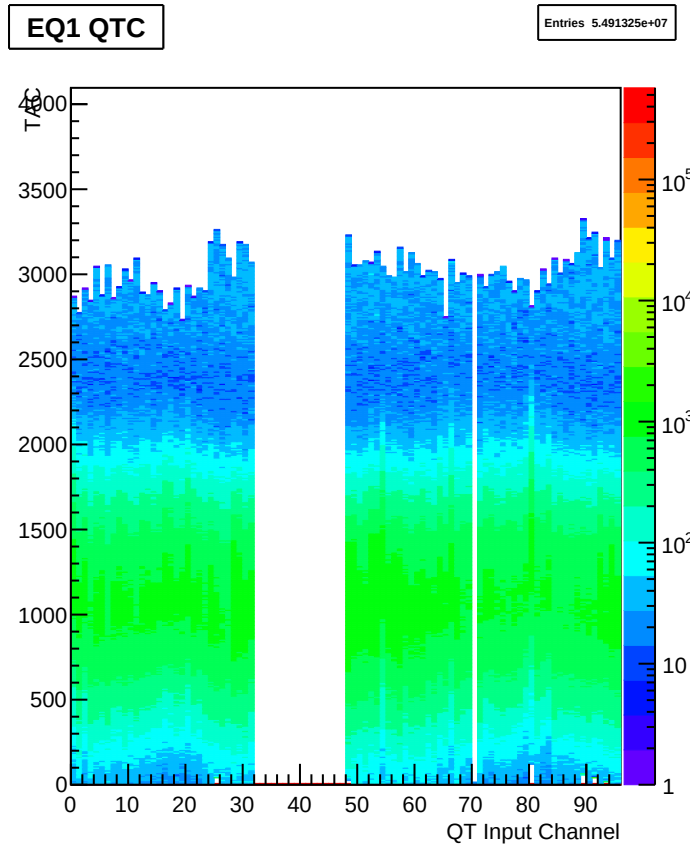

BBQ-VP002 West
Entries 9152208
ADC
QT Input Channel

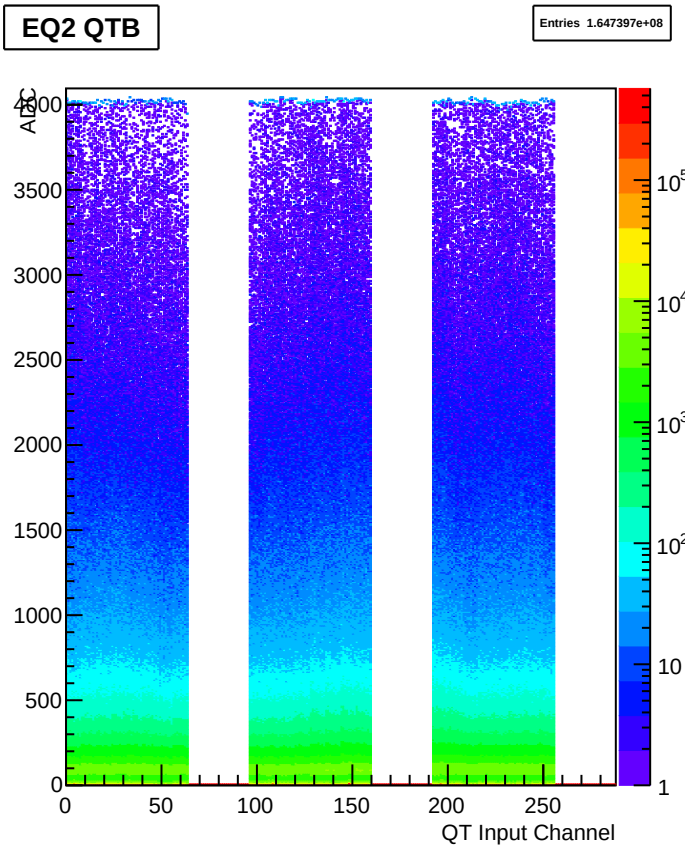

BBQ-VP002 West
Entries 9152208
ADC
QT Input Channel

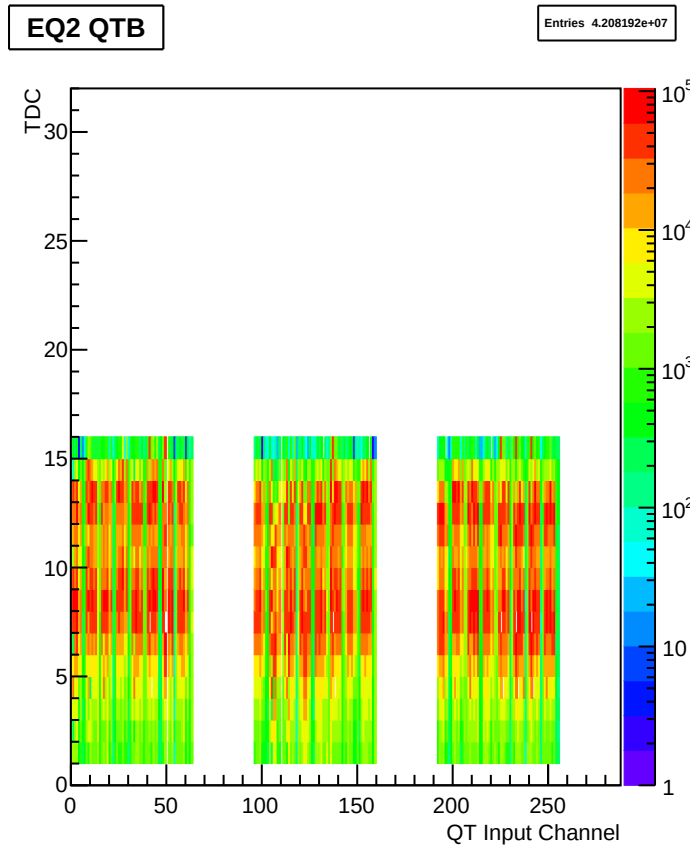

EQ1 QTB
Entries 1.647397e+08
ADC
QT Input Channel

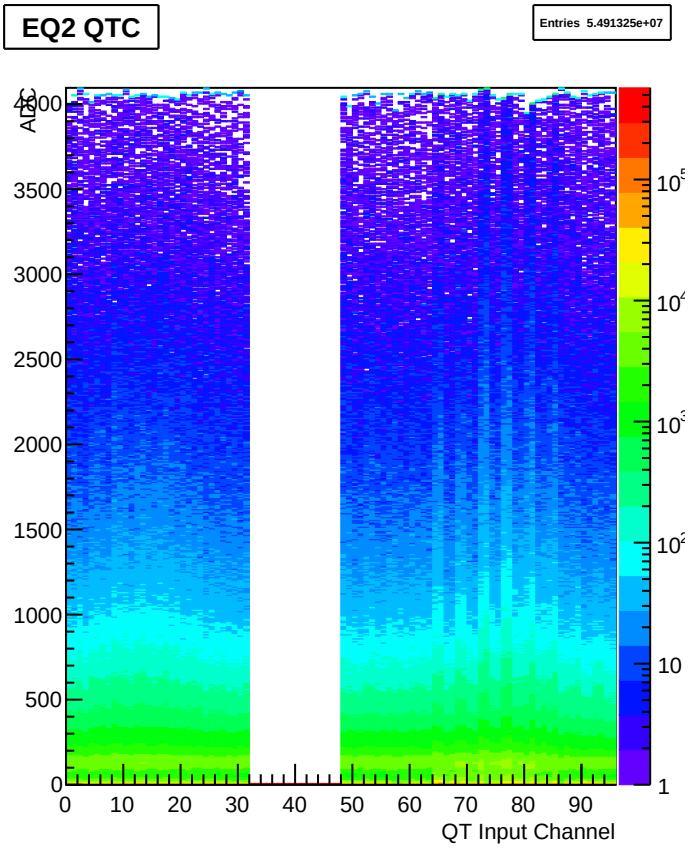

EQ1 QTB
Entries 5.614416e+07
TDC
QT Input Channel

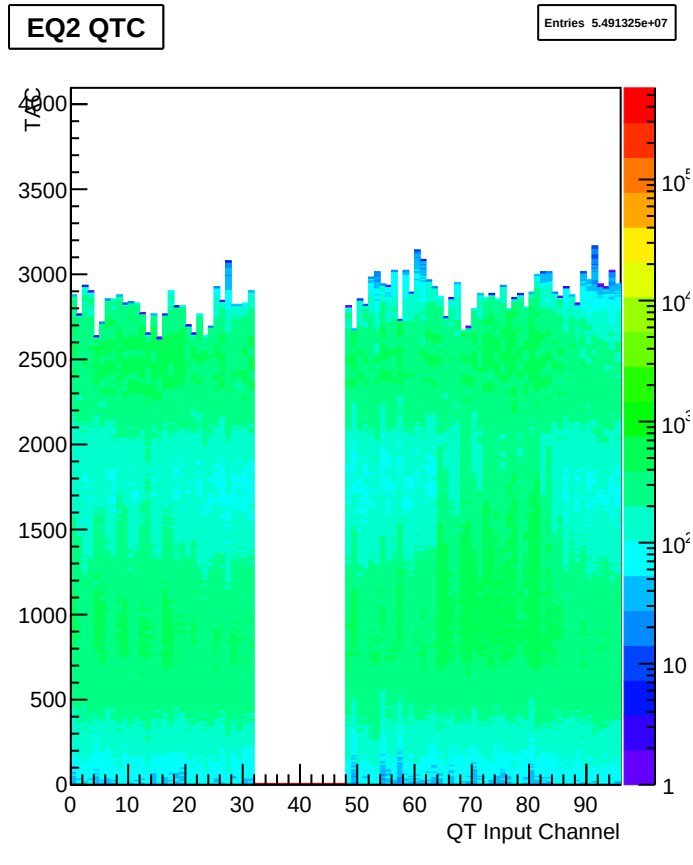

EQ1 QTC
Entries 5.491325e+07
ADC
QT Input Channel

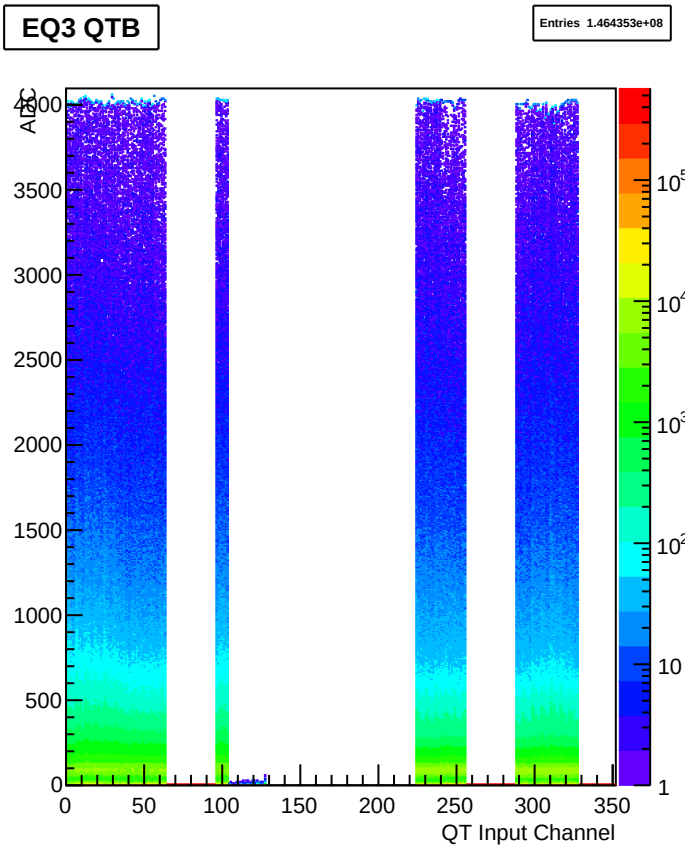

EQ1 QTC
Entries 5.491325e+07
TADC
QT Input Channel

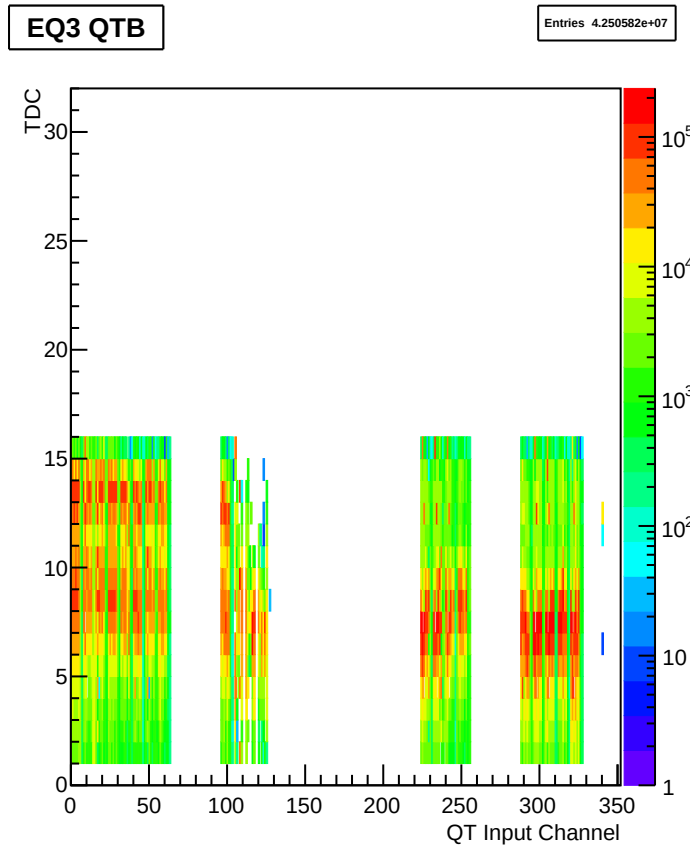

EQ2 QTB
Entries 1.647397e+08
ADC
QT Input Channel

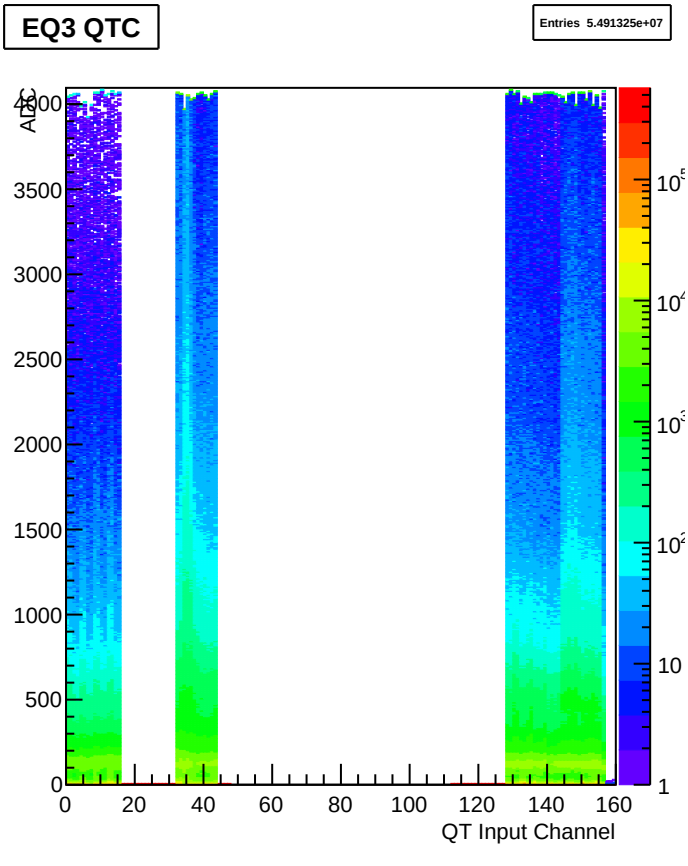

EQ2 QTB
Entries 4.208192e+07
TDC
QT Input Channel

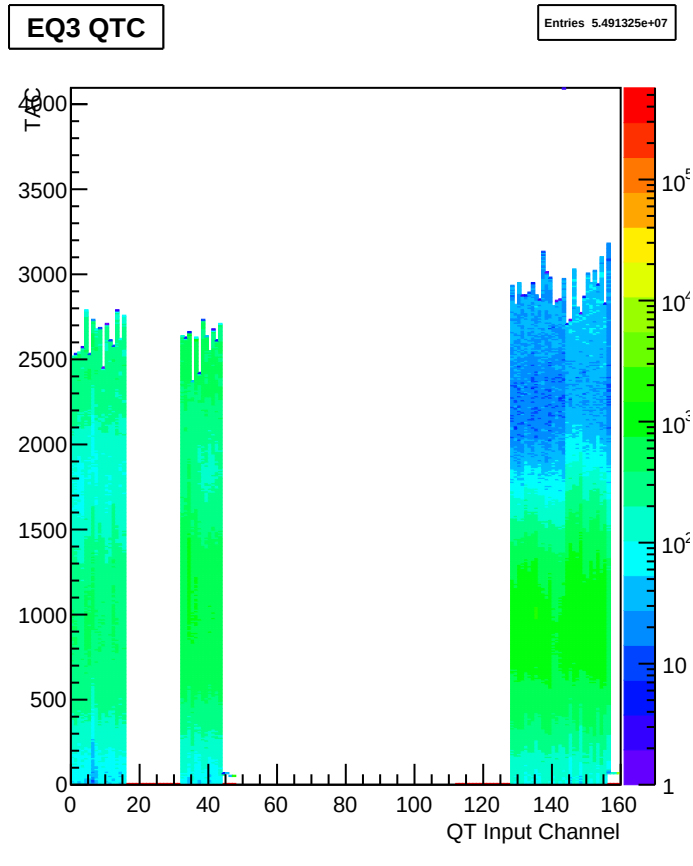

EQ2 QTC
Entries 5.491325e+07
ADC
QT Input Channel

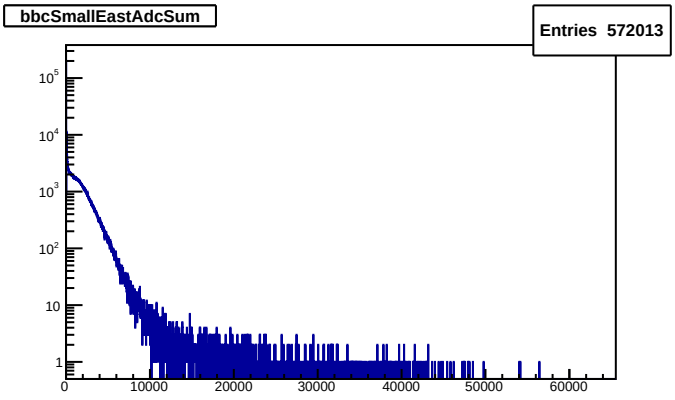

EQ2 QTC
Entries 5.491325e+07
TADC
QT Input Channel

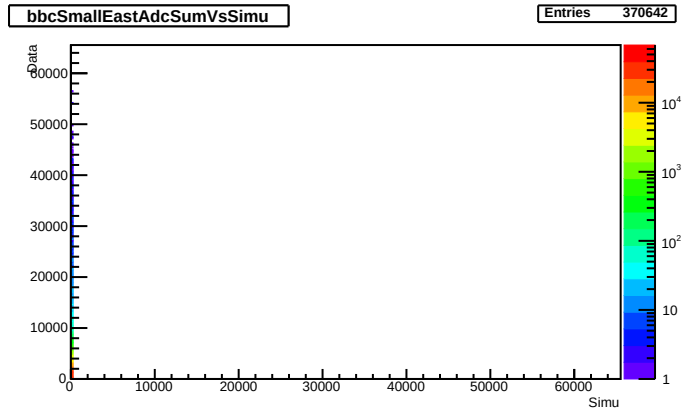

EQ3 QTB
Entries 1.464353e+08
ADC
QT Input Channel

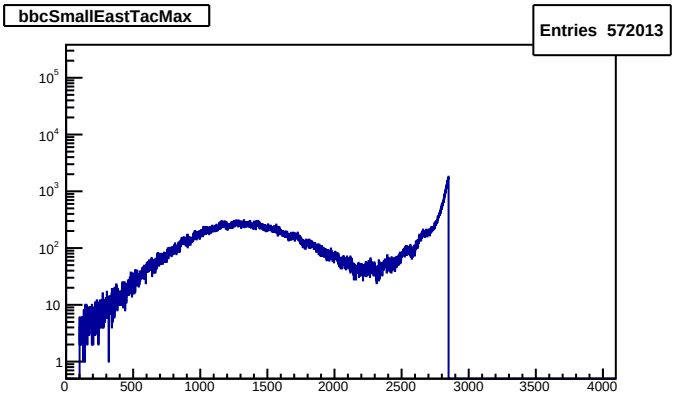

EQ3 QTB
Entries 4.250582e+07
TDC
QT Input Channel

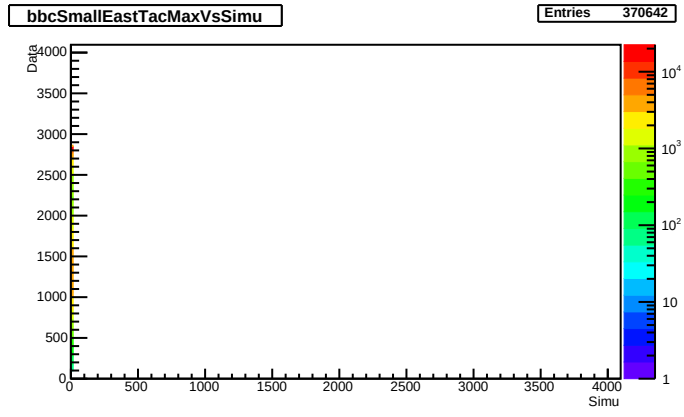

EQ3 QTC
Entries 5.491325e+07
ADC
QT Input Channel

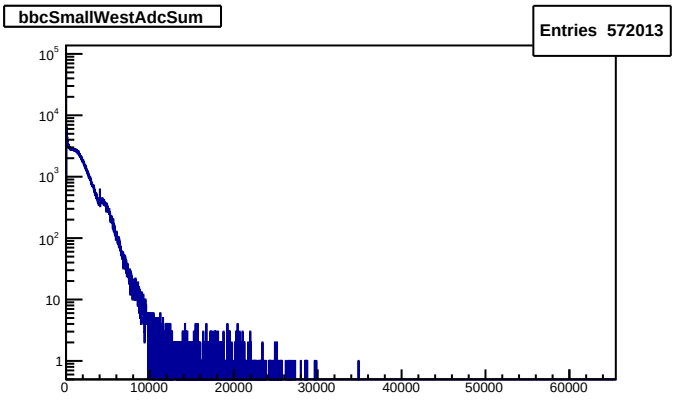

EQ3 QTC
Entries 5.491325e+07
TADC
QT Input Channel

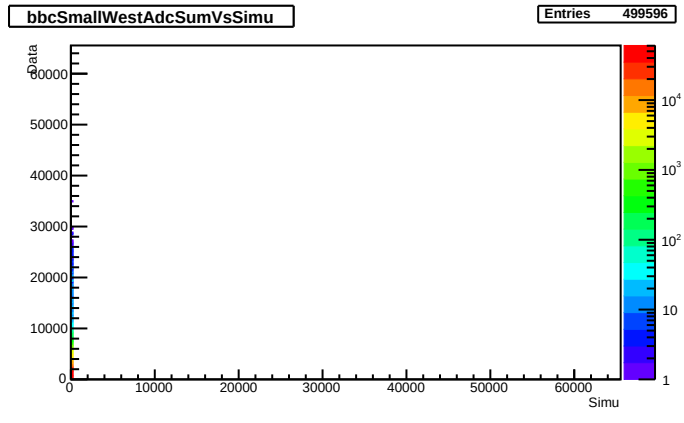

bbcSmallEastAdcSum
Entries 572013

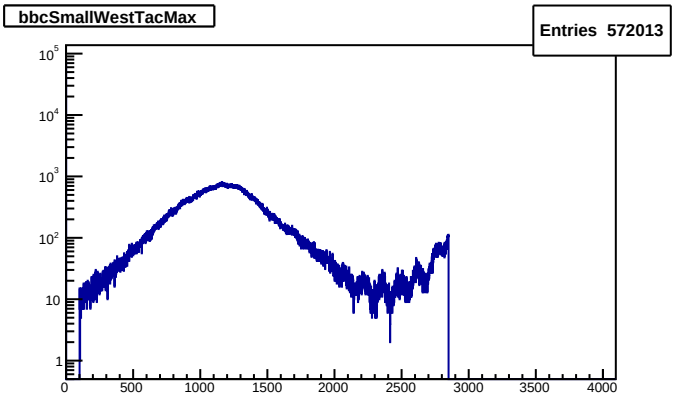

bbcSmallEastAdcSumVsSimu
Entries 370642
Data
Simu

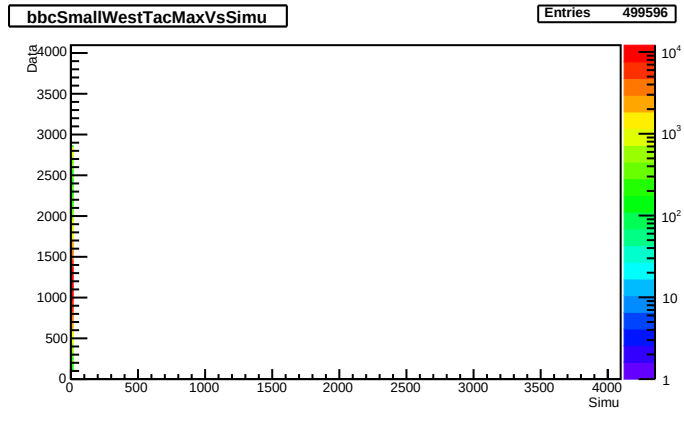

bbcSmallEastTacMax
Entries 572013

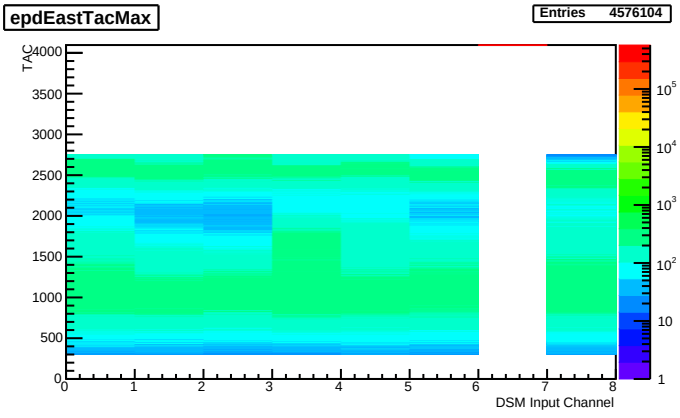

bbcSmallEastTacMaxVsSimu
Entries 370642
Data
Simu

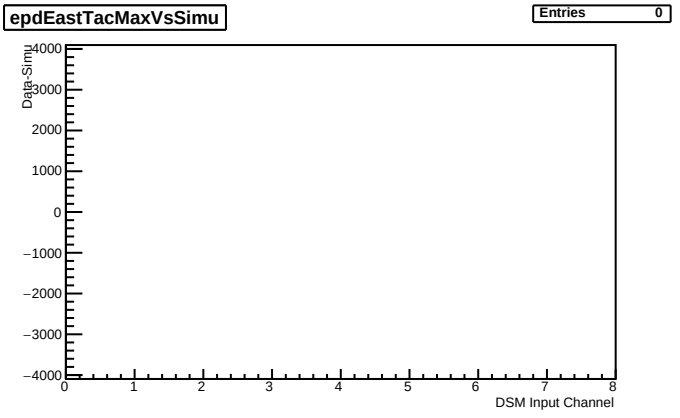

bbcSmallWestAdcSum
Entries 572013

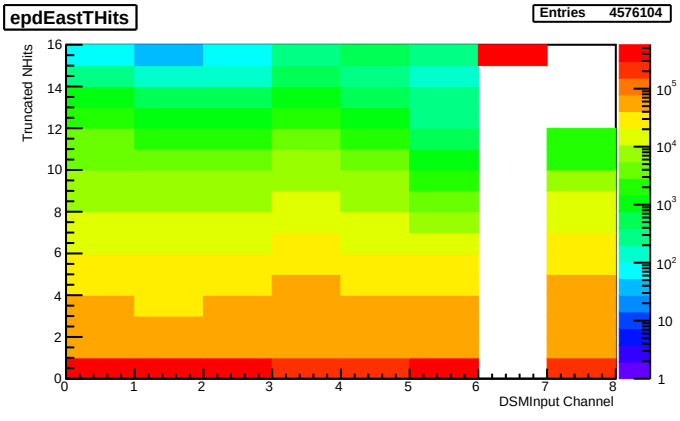

bbcSmallWestAdcSumVsSimu
Entries 499596
Data
Simu

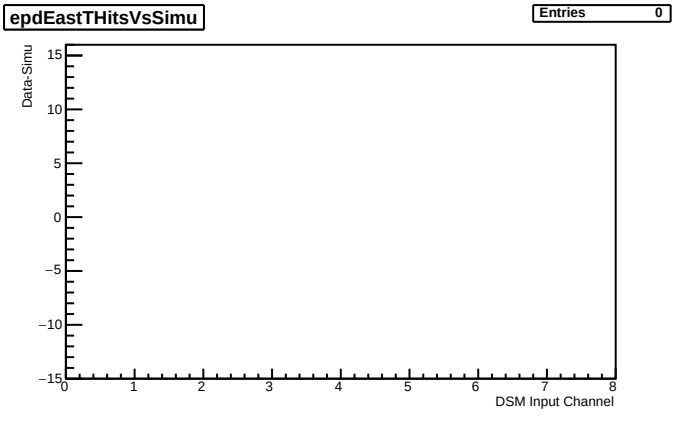

bbcSmallWestTacMax
Entries 572013

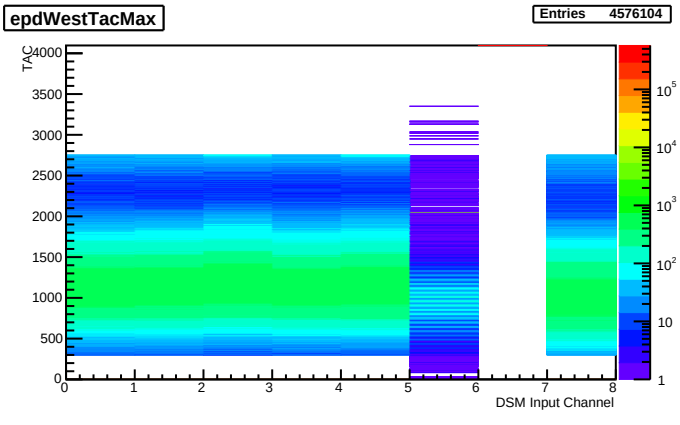

bbcSmallWestTacMaxVsSimu
Entries 499596
Data
Simu

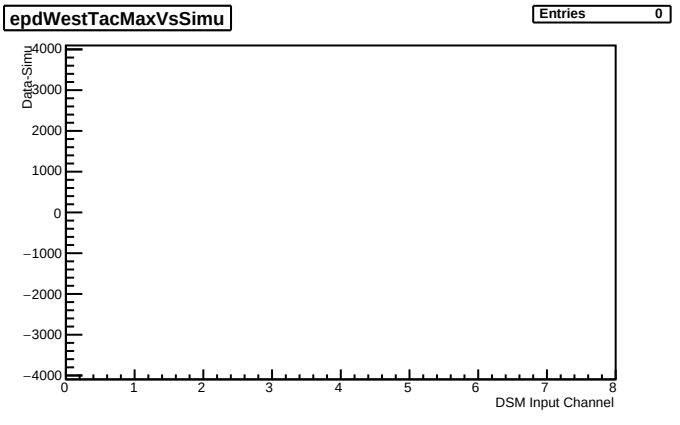

epdEastTacMax
Entries 4576104
TAC
DSM Input Channel

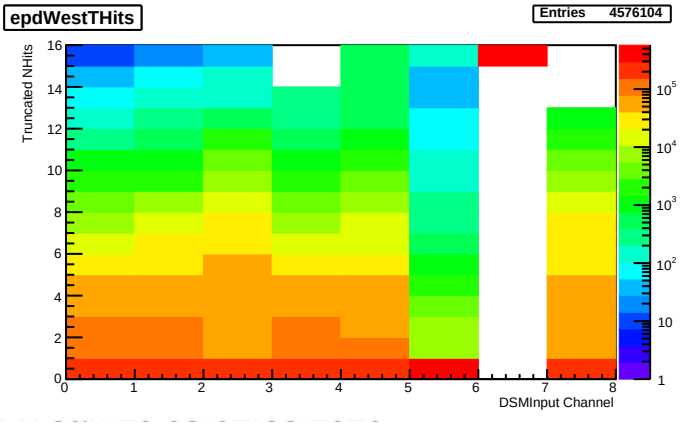

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

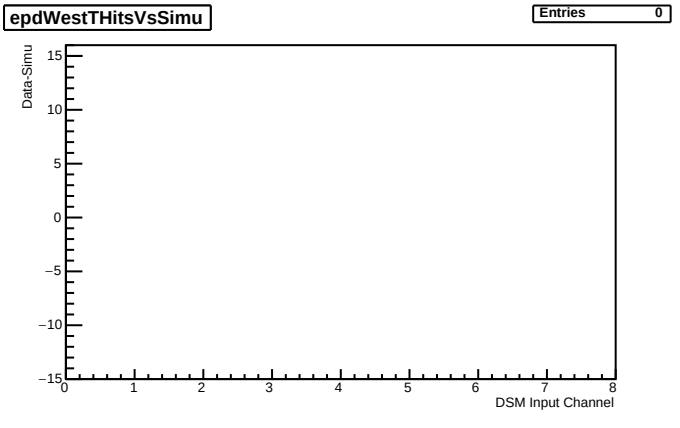

epdEastTHits
Entries 4576104
Truncated NHits
DSMInput Channel

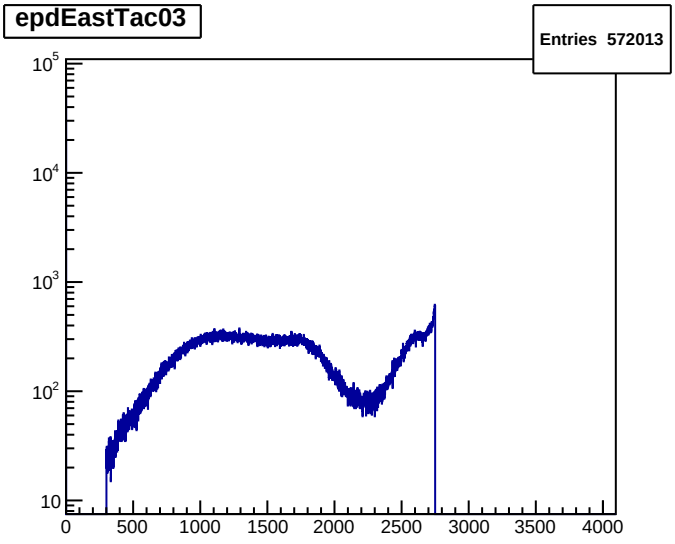

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

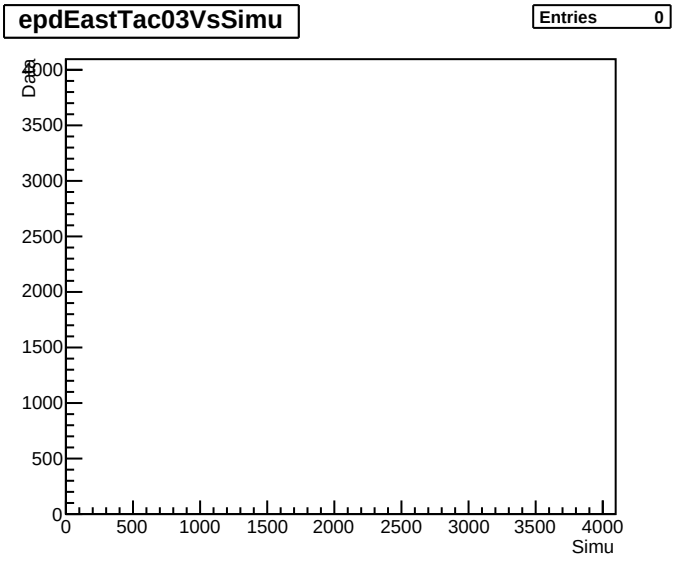

epdWestTacMax
Entries 4576104
TAC
DSM Input Channel

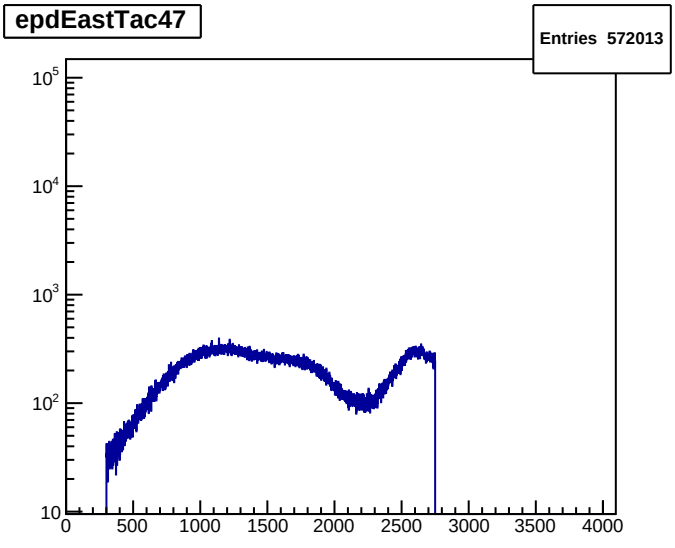

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

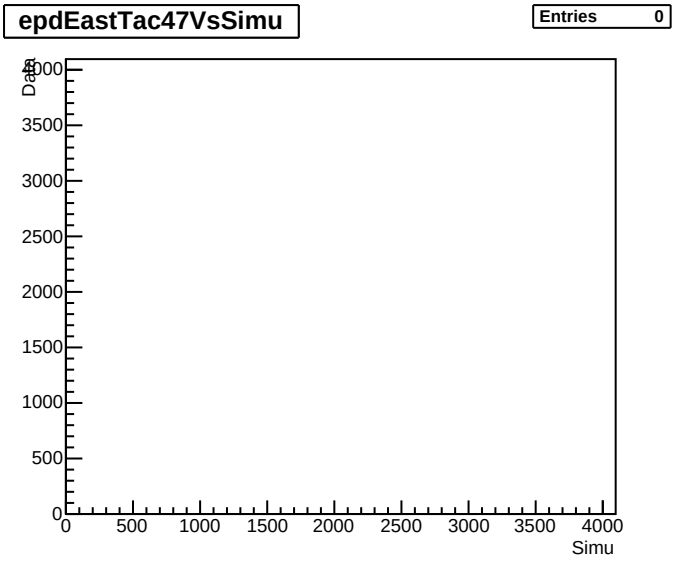

epdWestTHits
Entries 4576104
Truncated NHits
DSMInput Channel

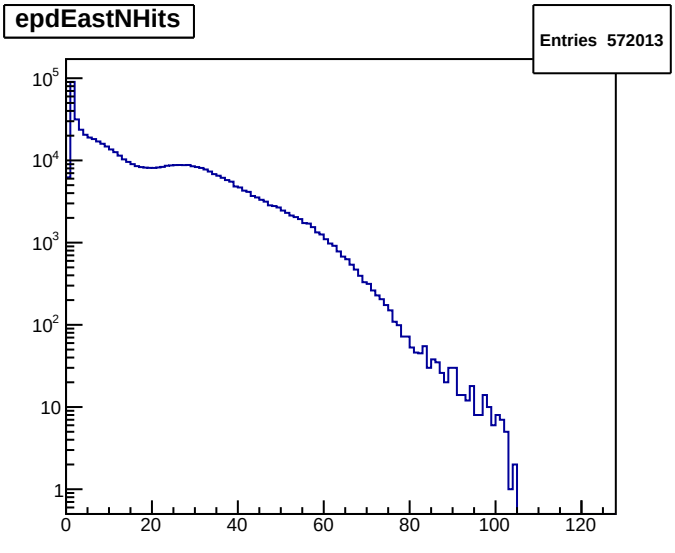

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

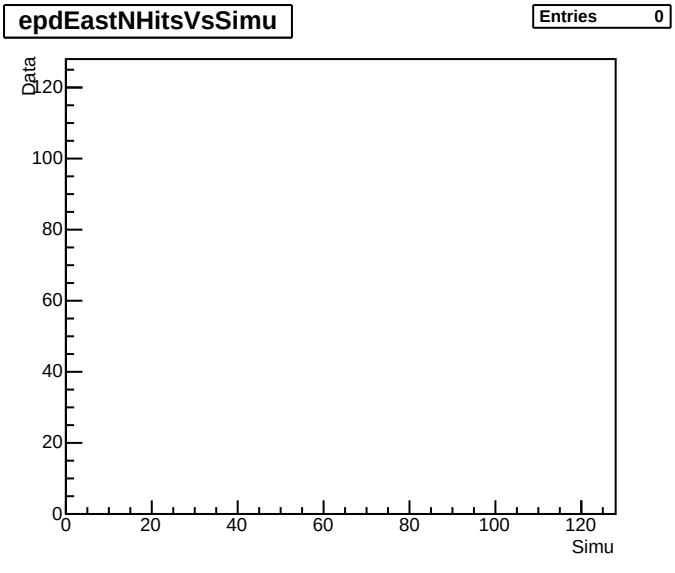

epdEastTac03
Entries 572013

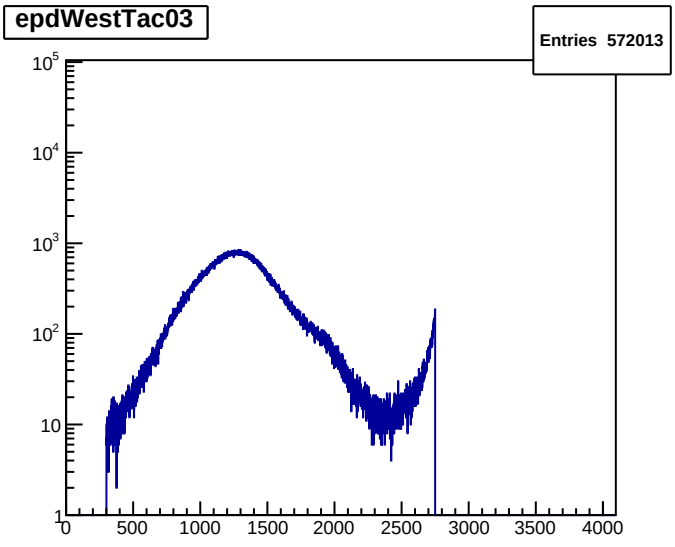

epdEastTac03VsSimu
Entries 0
Data
Simu

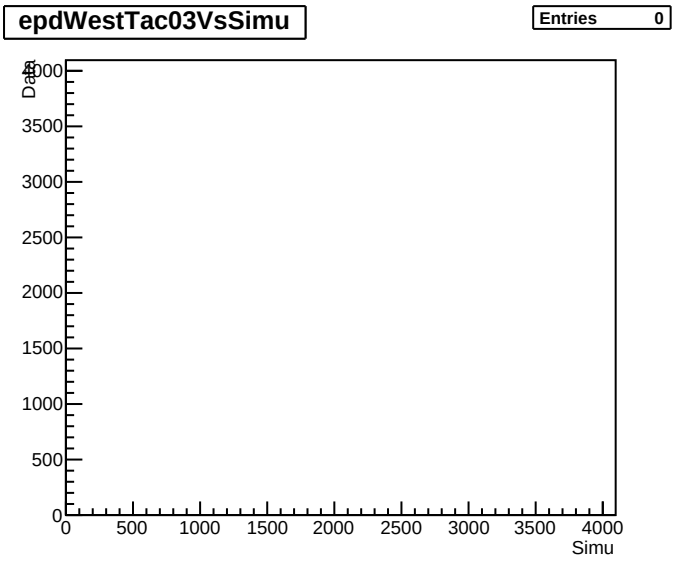

epdEastTac47
Entries 572013

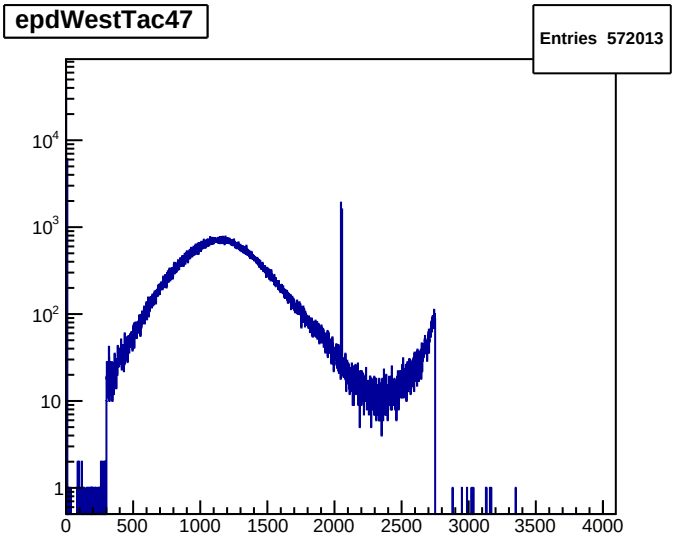

epdEastTac47VsSimu
Entries 0
Data
Simu

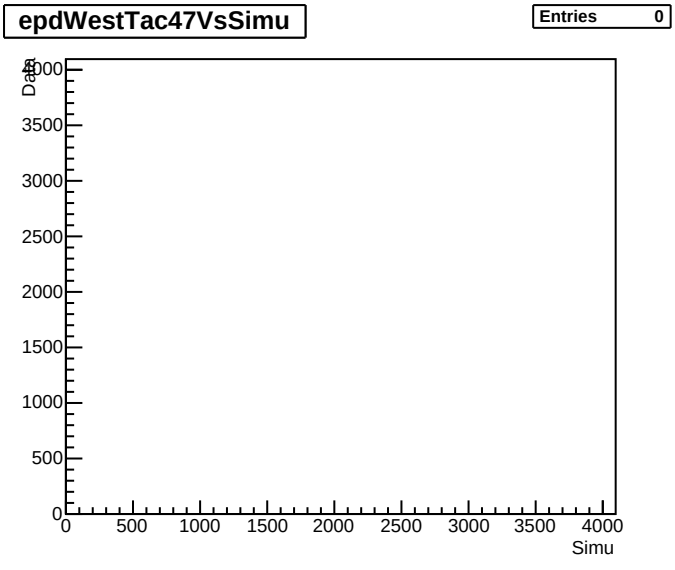

epdEastNHits
Entries 572013

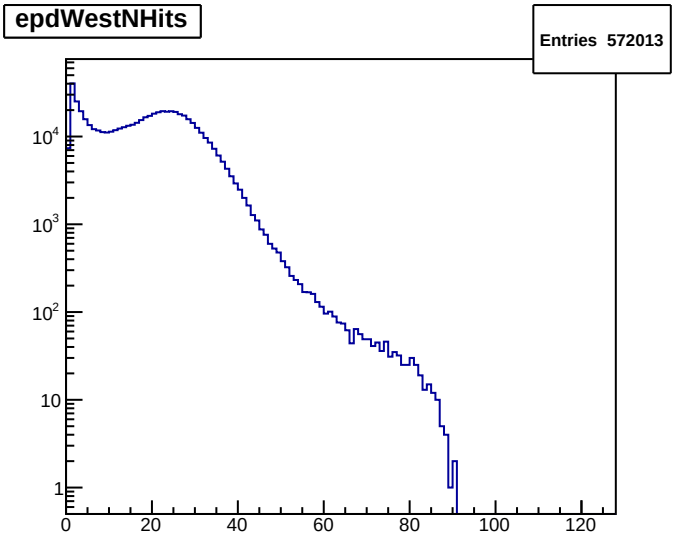

epdEastNHitsVsSimu
Entries 0
Data
Simu

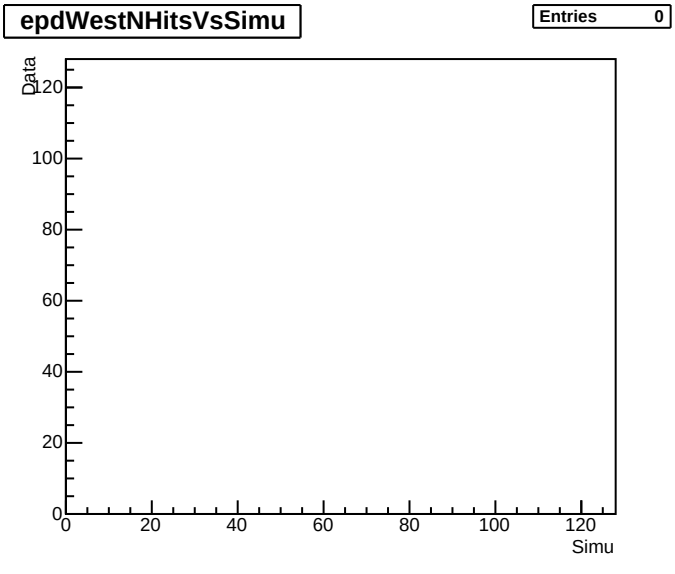

epdWestTac03
Entries 572013

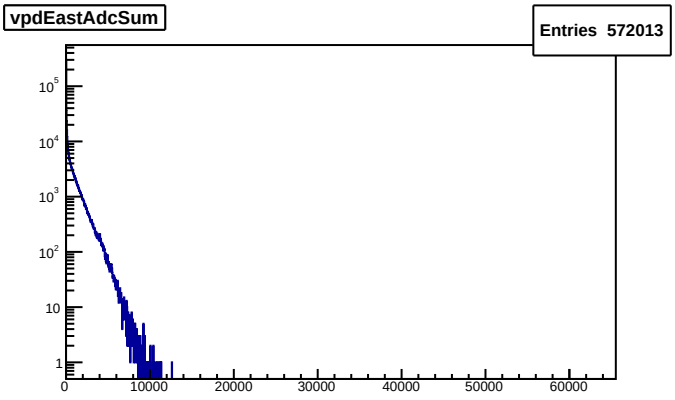

epdWestTac03VsSimu
Entries 0
Data
Simu

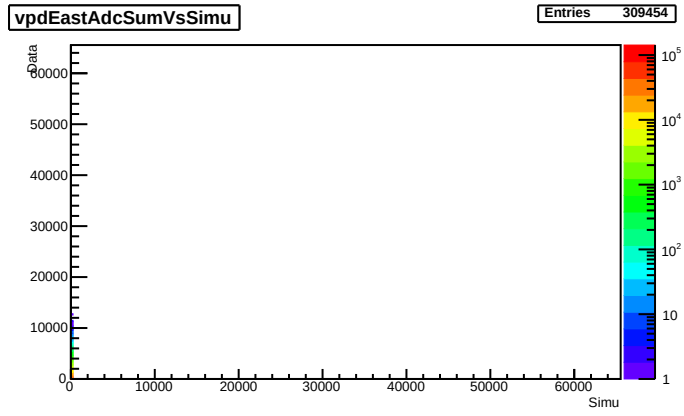

epdWestTac47
Entries 572013

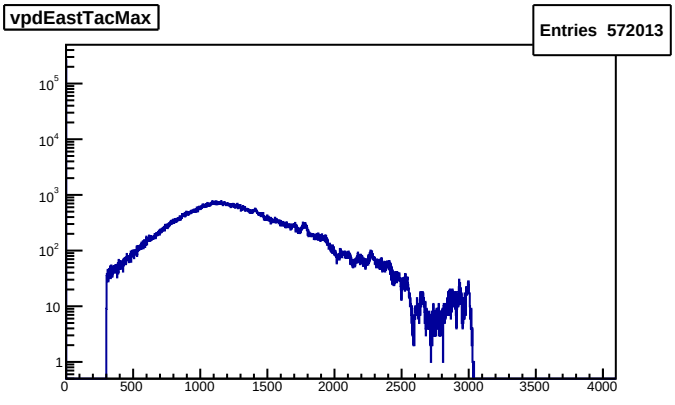

epdWestTac47VsSimu
Entries 0
Data
Simu

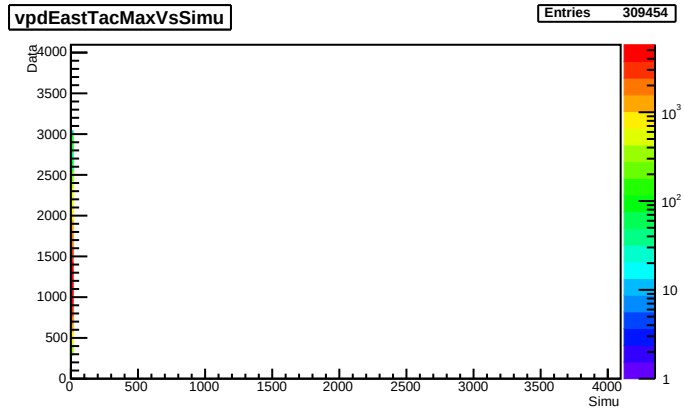

epdWestNHits
Entries 572013

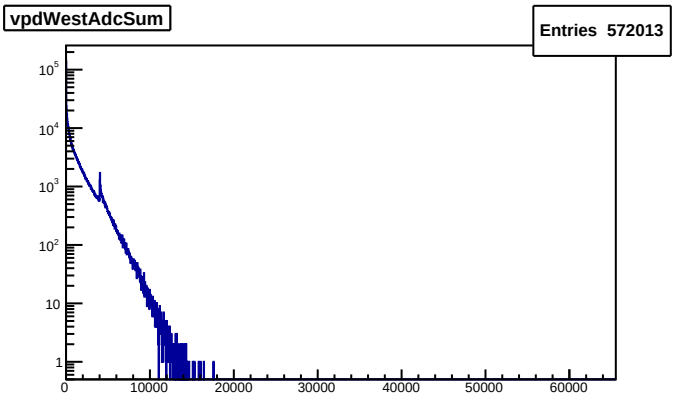

epdWestNHitsVsSimu
Entries 0
Data
Simu

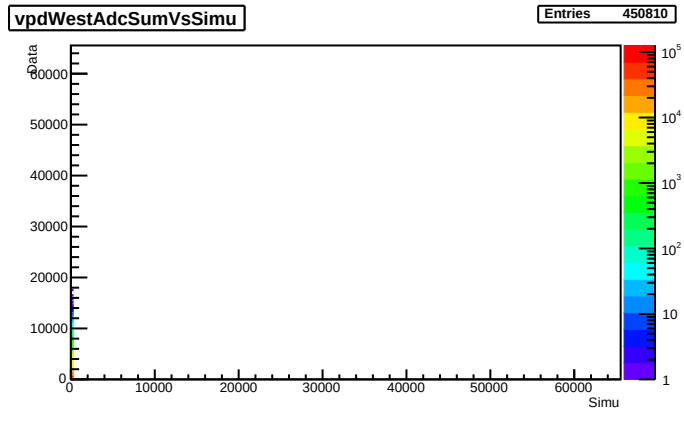

vpdEastAdcSum
Entries 572013

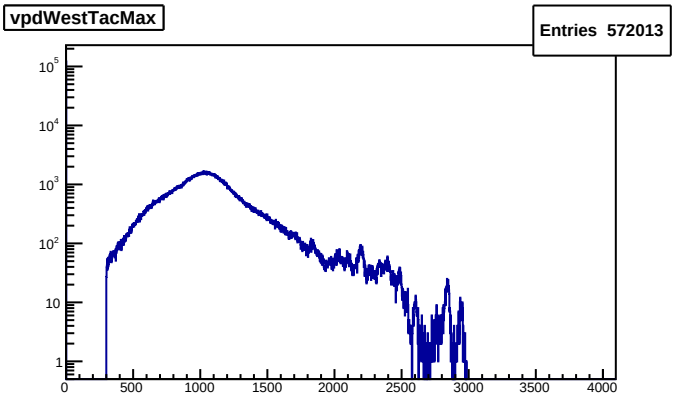

vpdEastAdcSumVsSimu
Entries 309454
Data
Simu

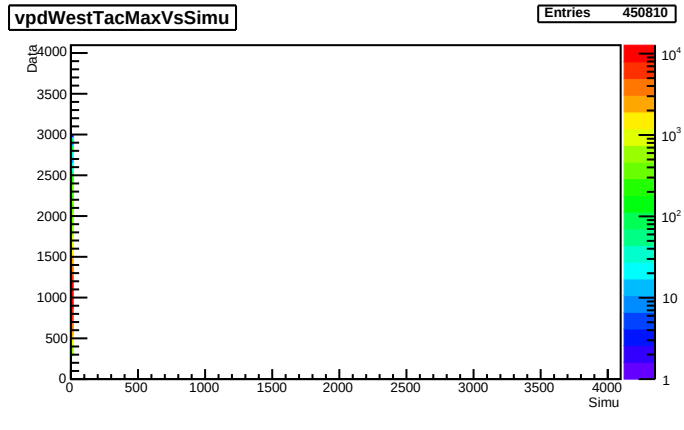

vpdEastTacMax
Entries 572013

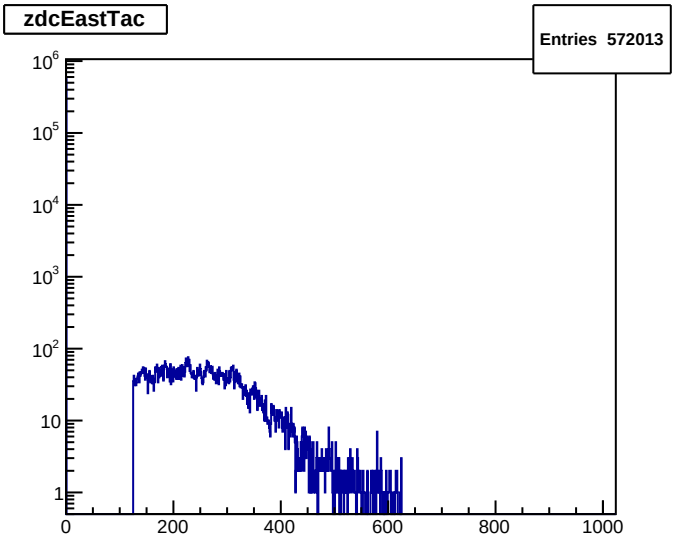

vpdEastTacMaxVsSimu
Entries 309454
Data
Simu

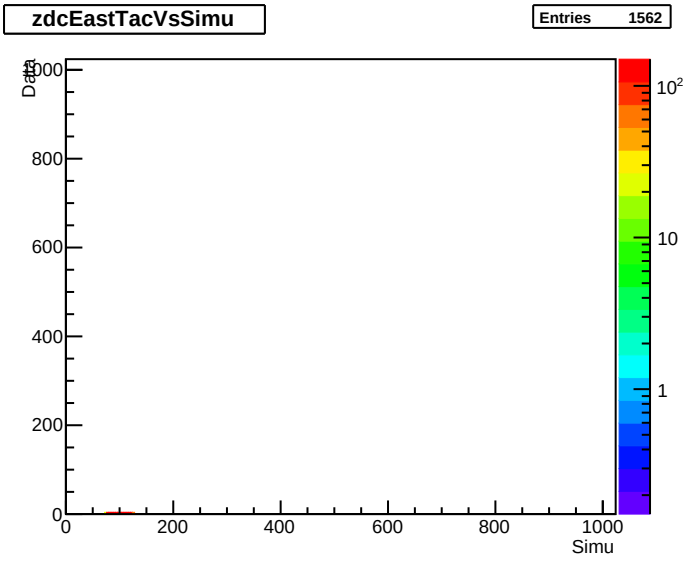

vpdWestAdcSum
Entries 572013

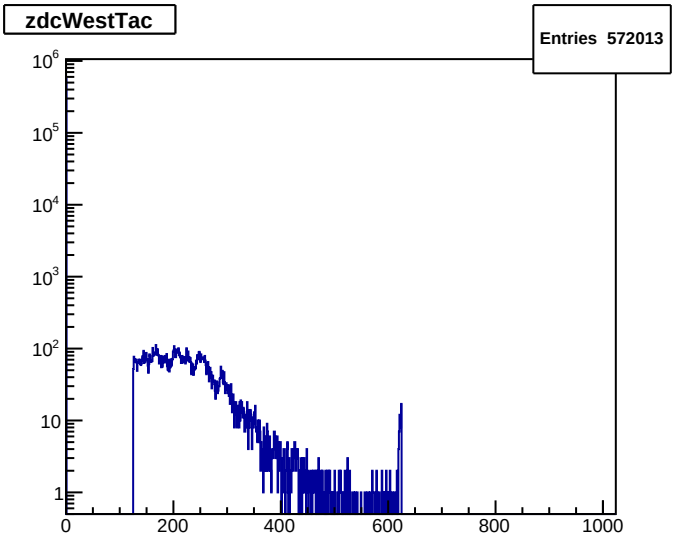

vpdWestAdcSumVsSimu
Entries 450810
Data
Simu

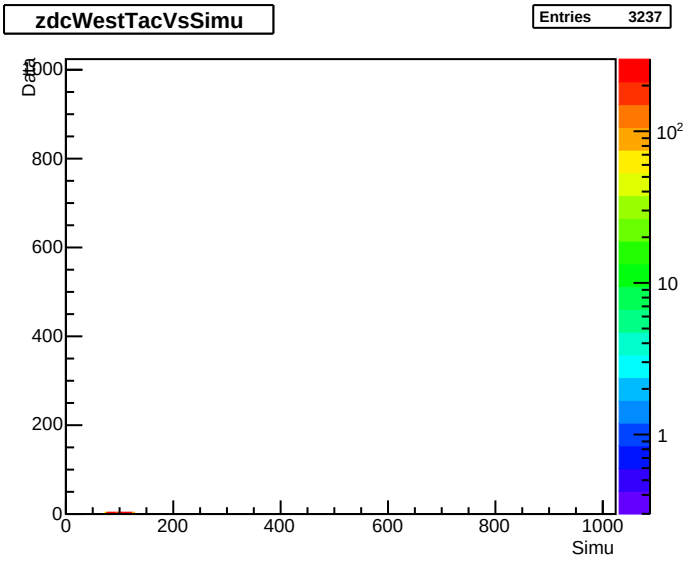

vpdWestTacMax
Entries 572013

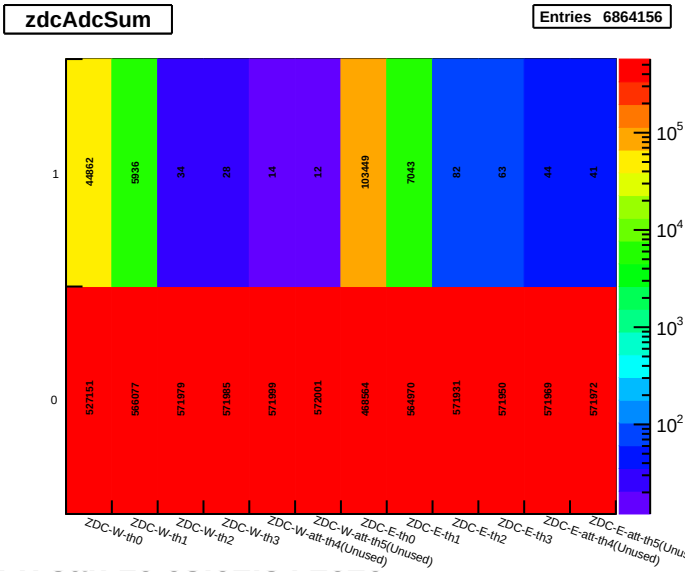

vpdWestTacMaxVsSimu
Entries 450810
Data
Simu

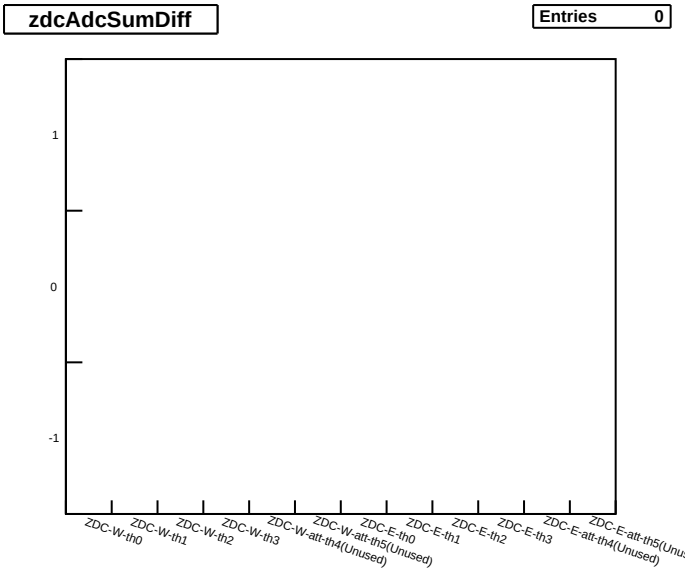

zdcEastTac
Entries 572013

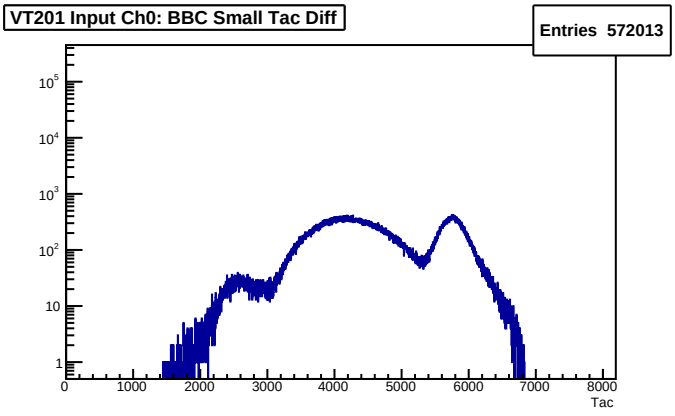

zdcEastTacVsSimu
Entries 1562
Data
Simu

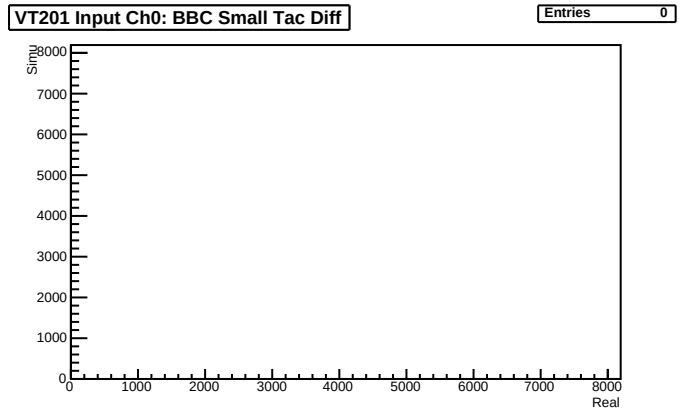

zdcWestTac
Entries 572013

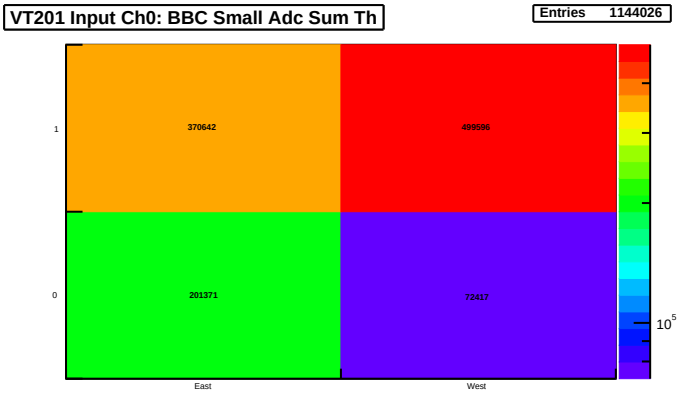

zdcWestTacVsSimu
Entries 3237
Data
Simu

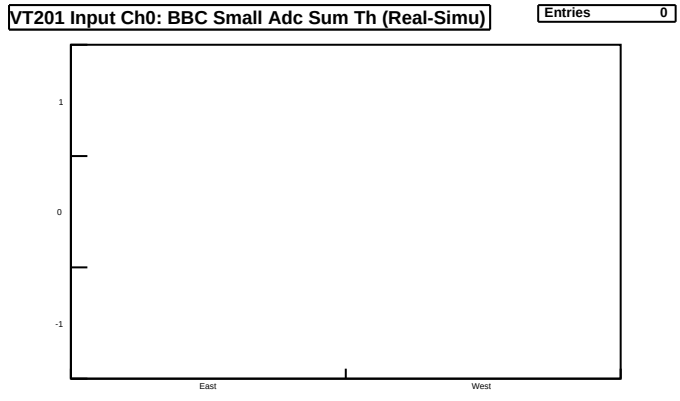

zdcAdcSum
Entries 6864156
44862
5936
34
28
14
12
103449
7043
82
63
44
41
527151
566077
571979
571985
571999
572001
468564
564970
571931
571950
571969
571972
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

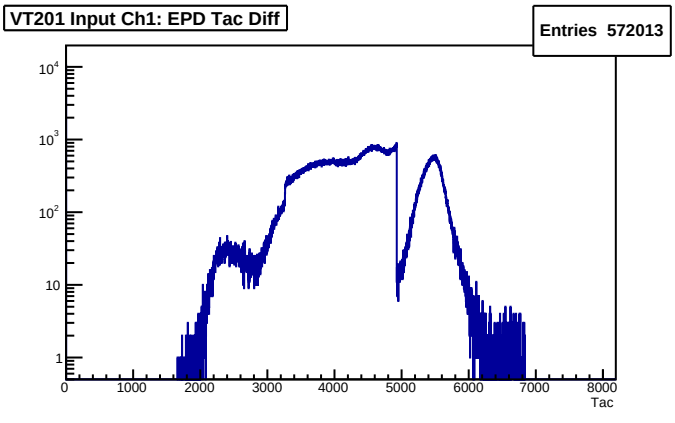

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

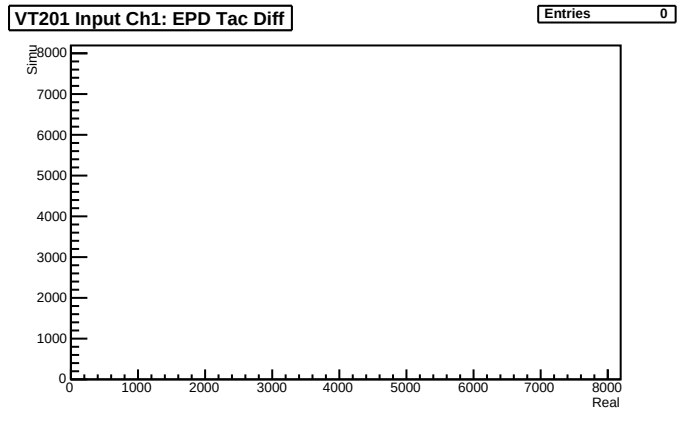

VT201 Input Ch0: BBC Small Tac Diff
Entries 572013
Tac

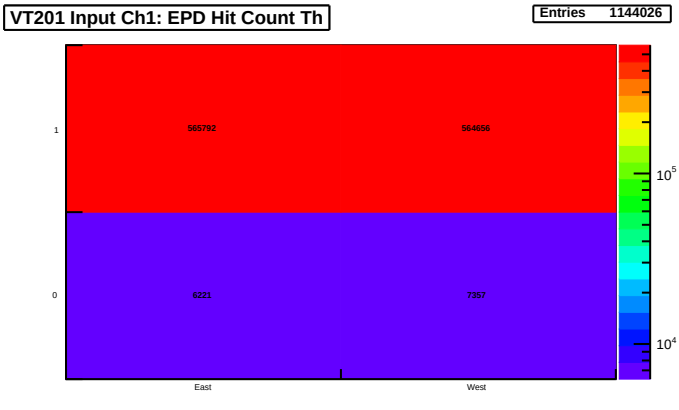

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

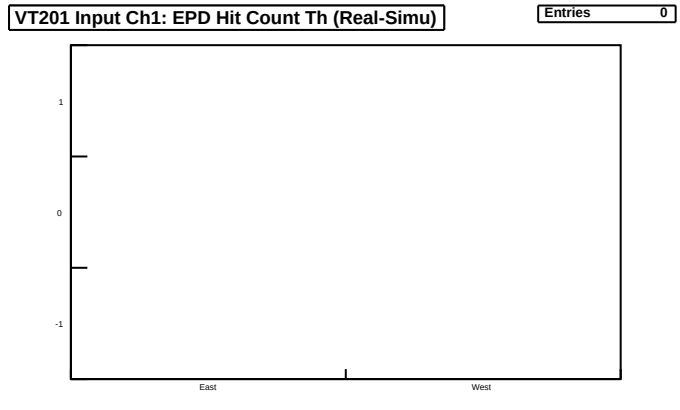

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1144026
370642
499596
201371
72417
East
West

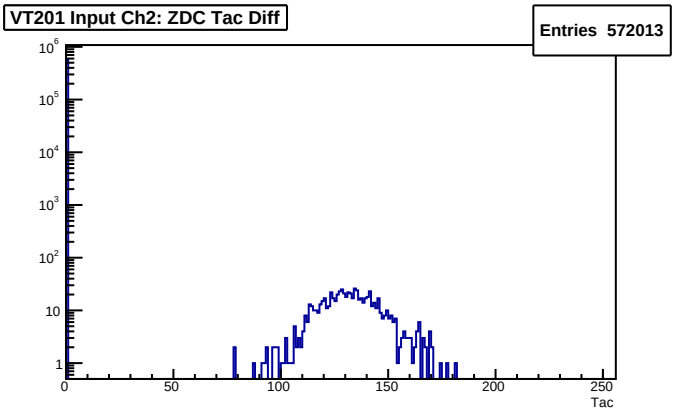

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

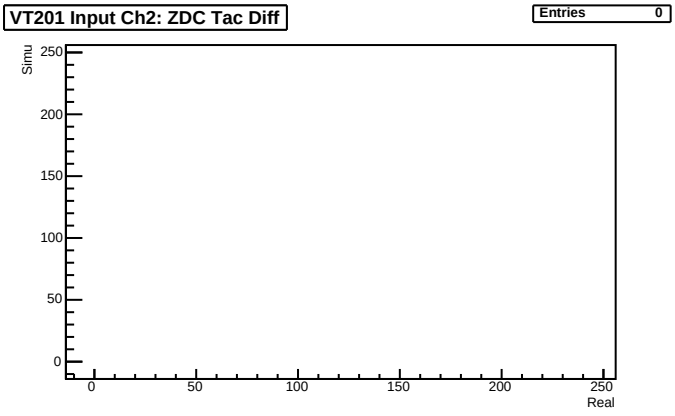

VT201 Input Ch1: EPD Tac Diff
Entries 572013
Tac

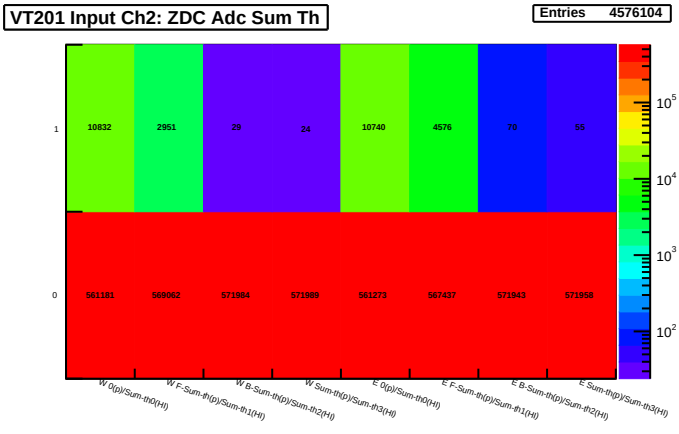

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

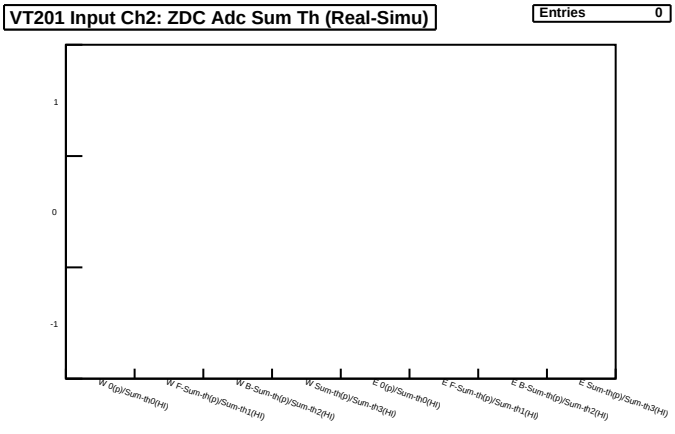

VT201 Input Ch1: EPD Hit Count Th
Entries 1144026
565792
564656
6221
7357
East
West

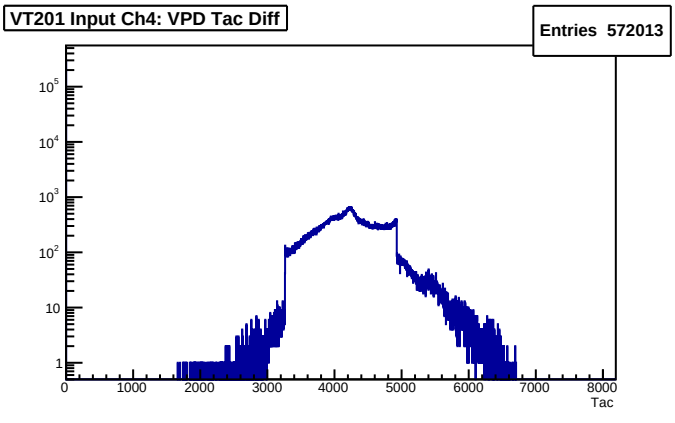

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

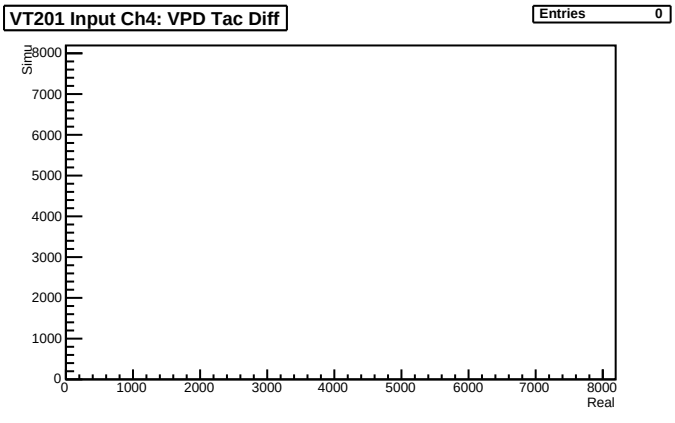

VT201 Input Ch2: ZDC Tac Diff
Entries 572013
Tac

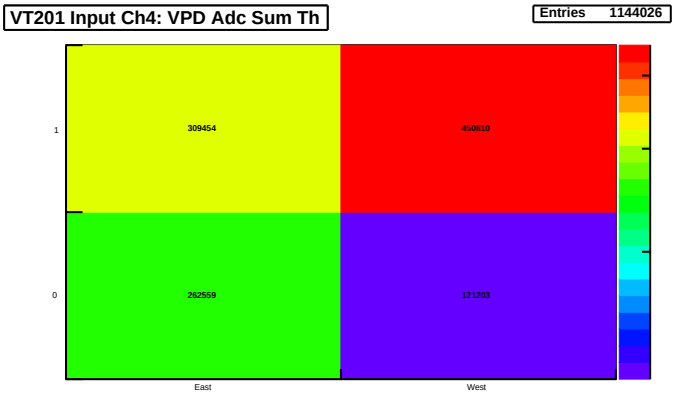

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

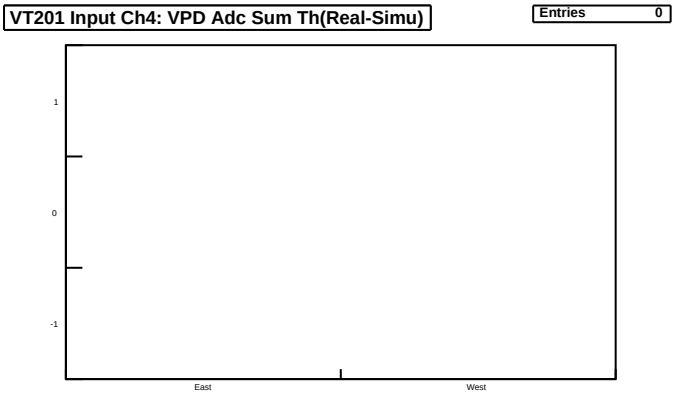

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4576104
10832
2951
29
24
10740
4576
70
55
561181
569062
571984
571989
561273
567437
571943
571958
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

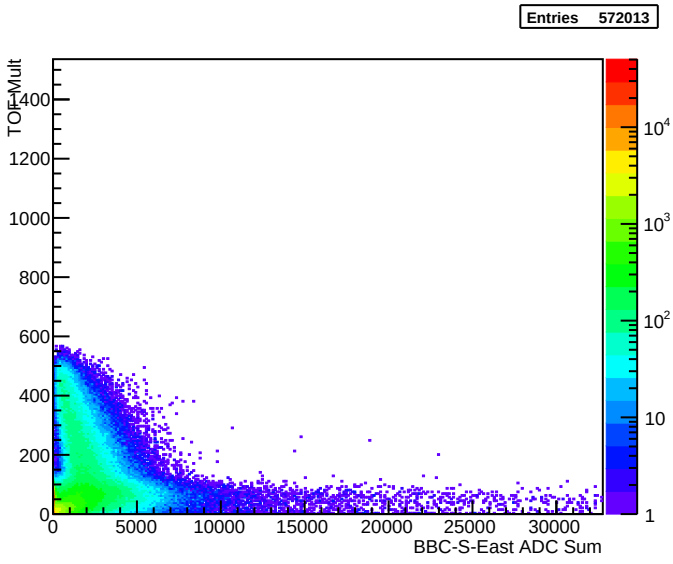

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

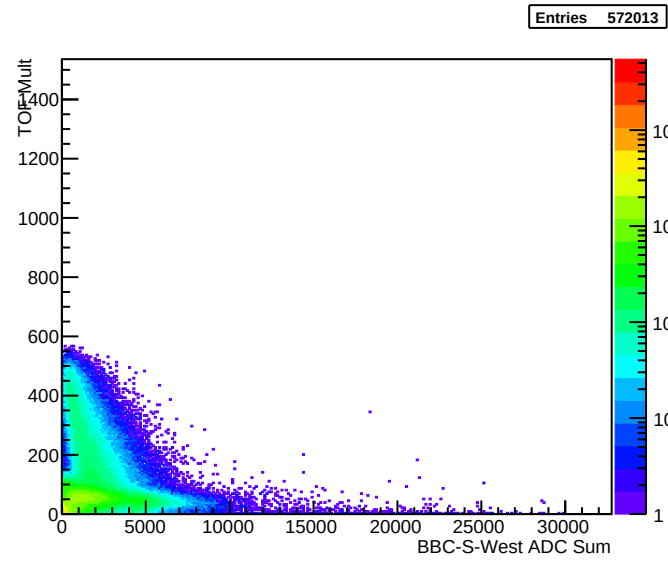

VT201 Input Ch4: VPD Tac Diff
Entries 572013
Tac

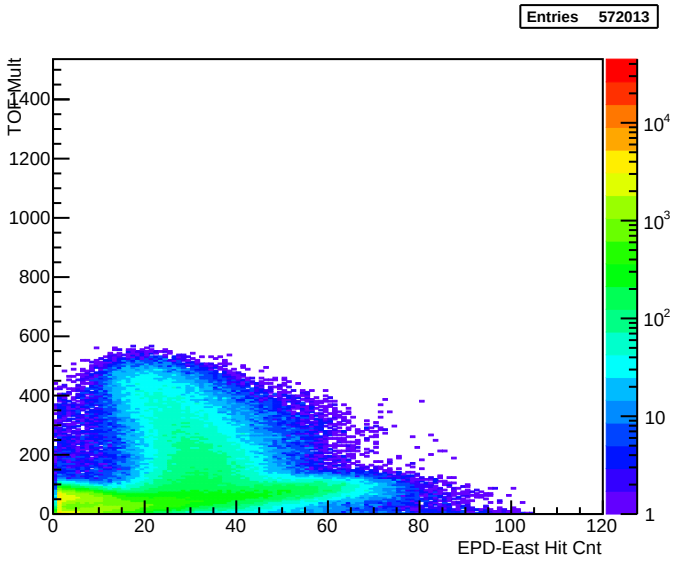

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

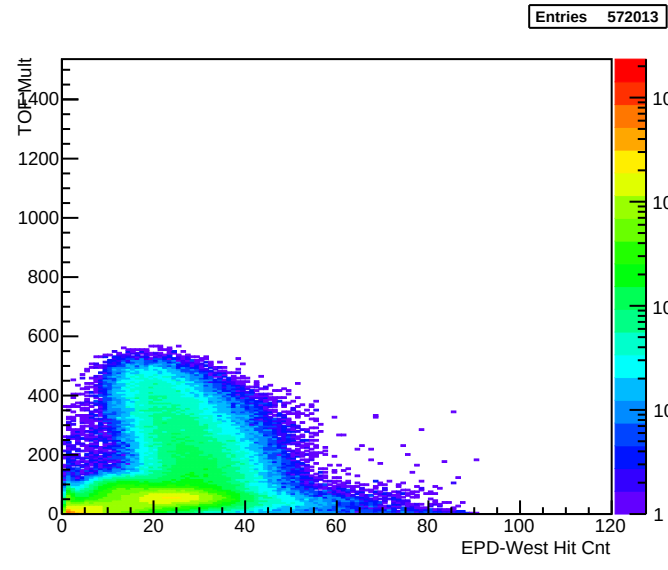

VT201 Input Ch4: VPD Adc Sum Th
Entries 1144026
309454
450810
262559
121203
East
West

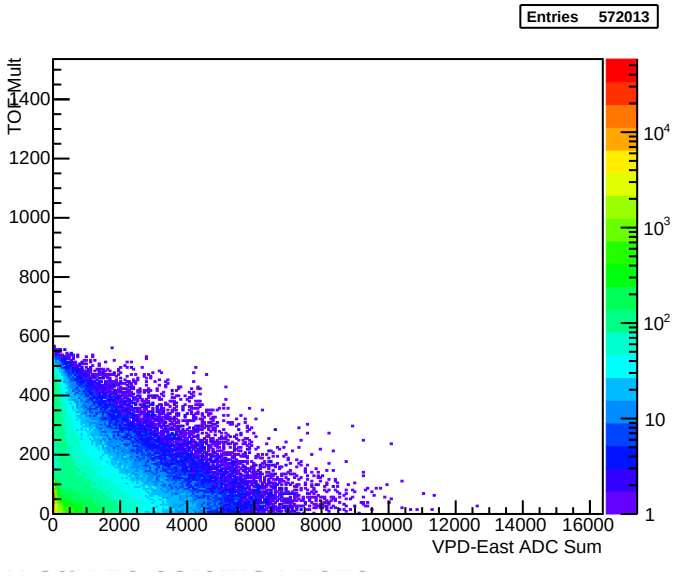

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

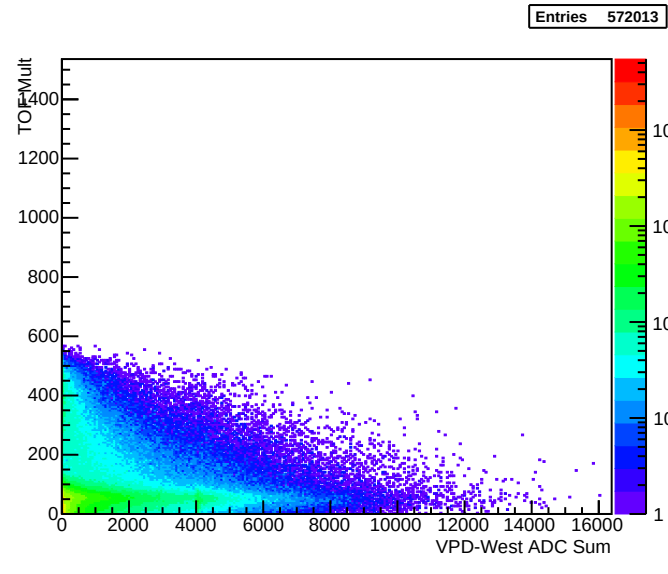

Entries 572013
TOF-Mult
BBC-S-East ADC Sum

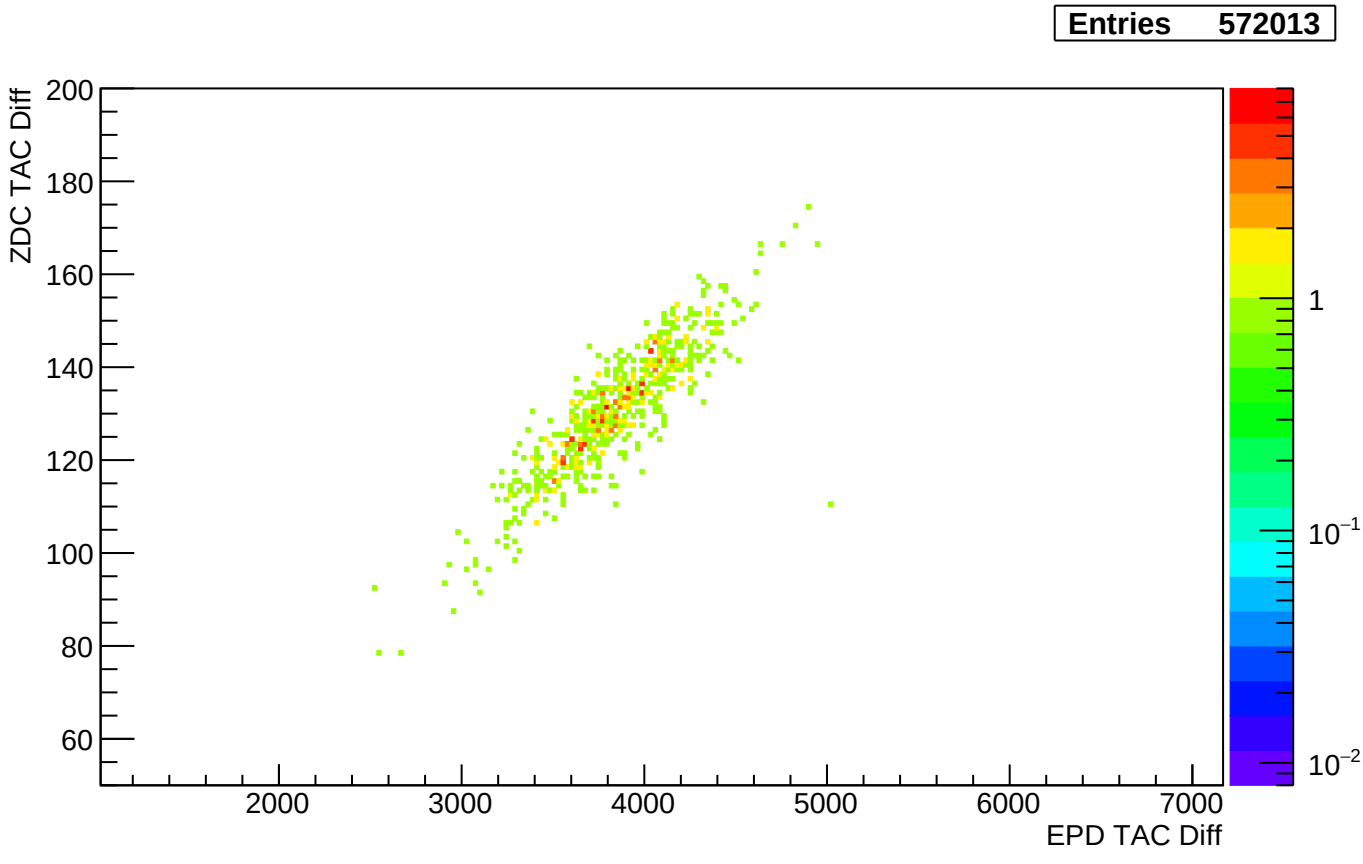

Entries 572013
TOF-Mult
BBC-S-West ADC Sum

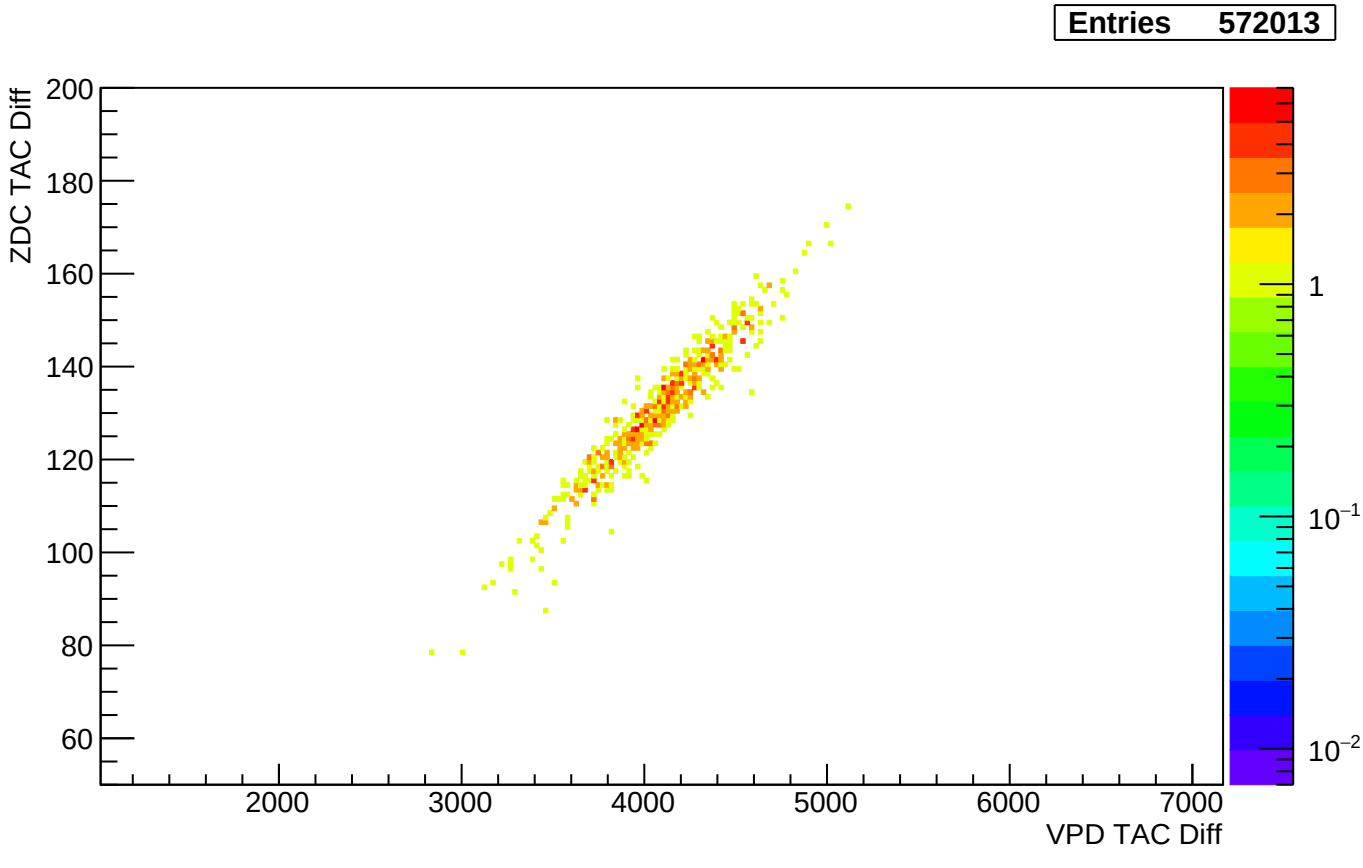

Entries 572013
TOF-Mult
EPD-East Hit Cnt

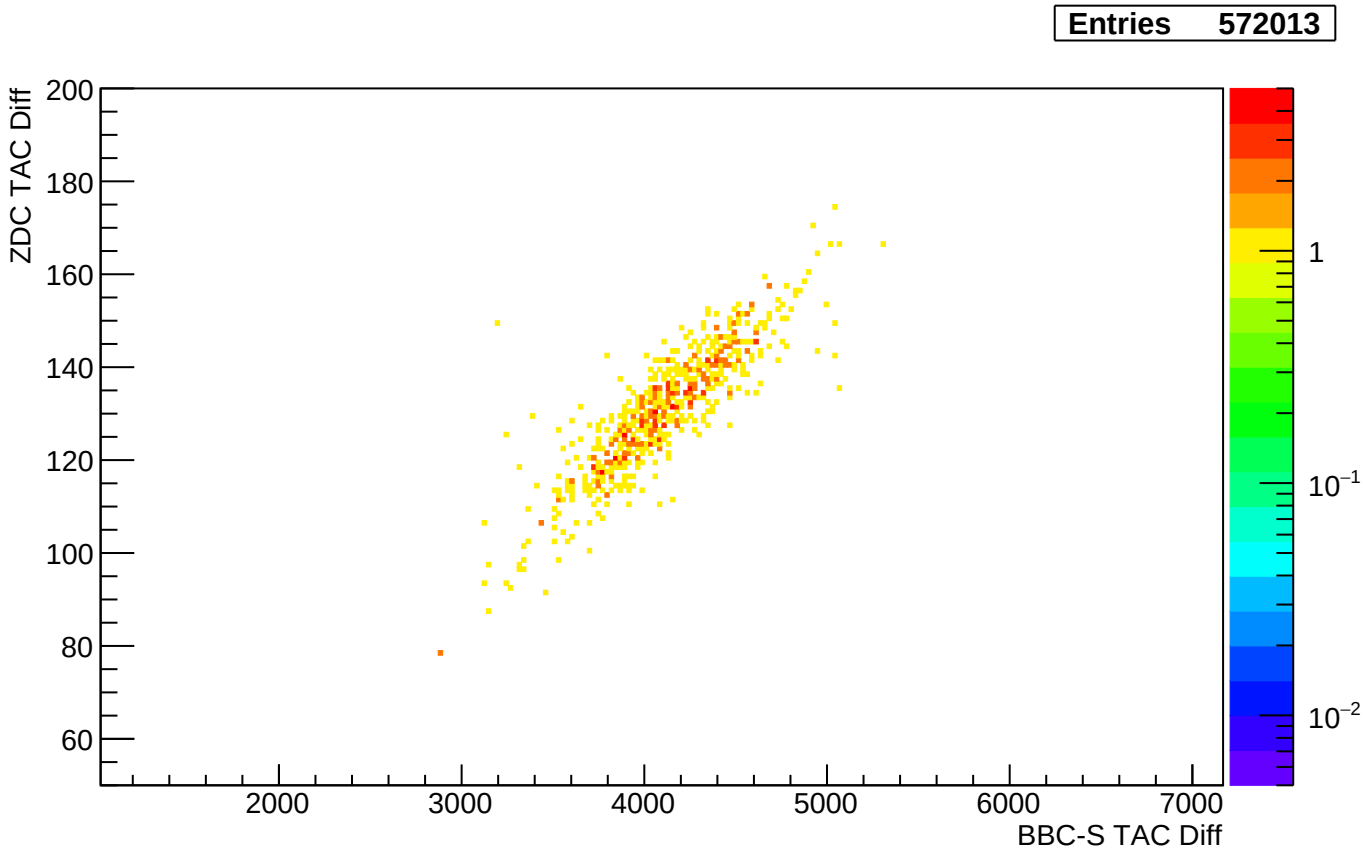

Entries 572013
TOF-Mult
EPD-West Hit Cnt

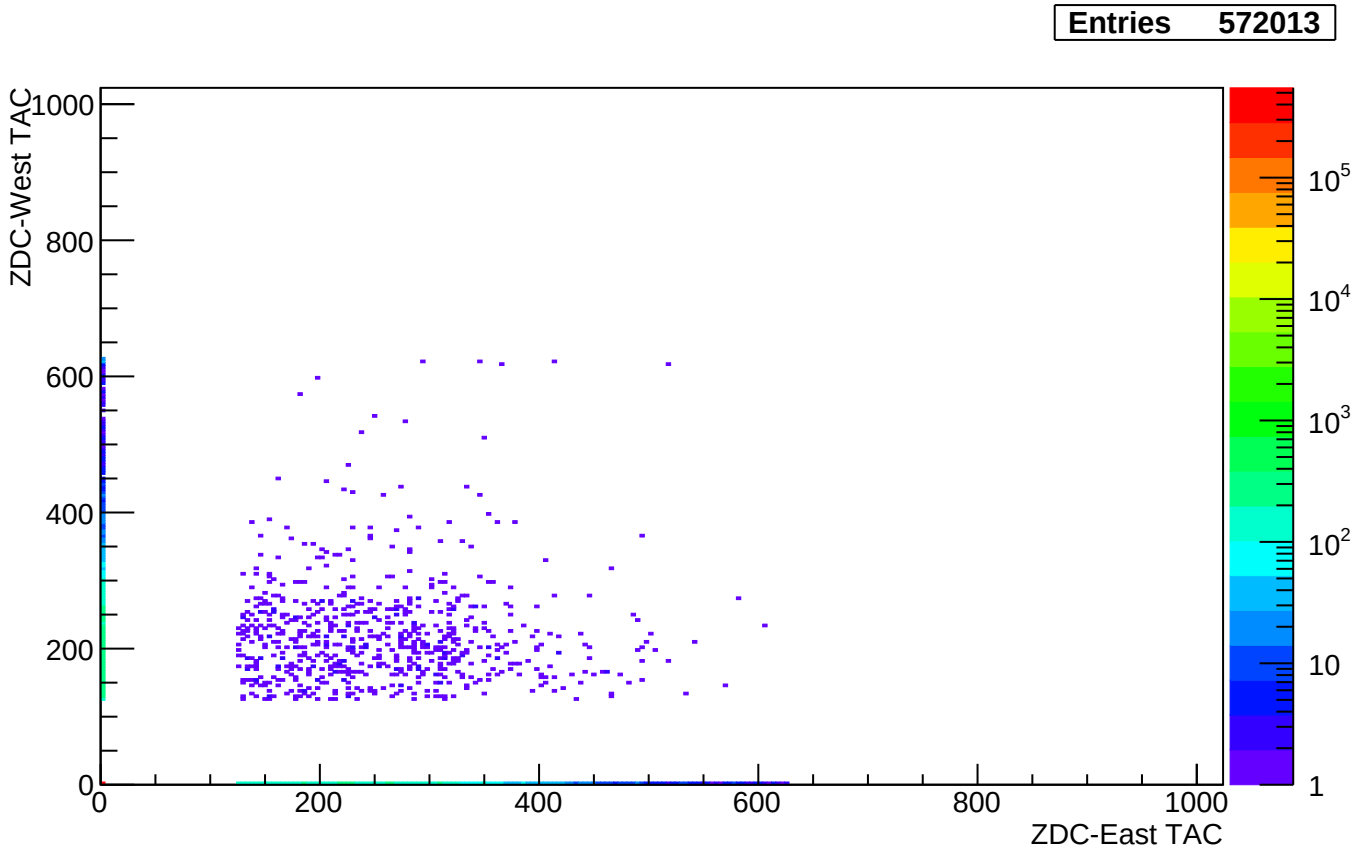

Entries 572013
TOF-Mult
VPD-East ADC Sum

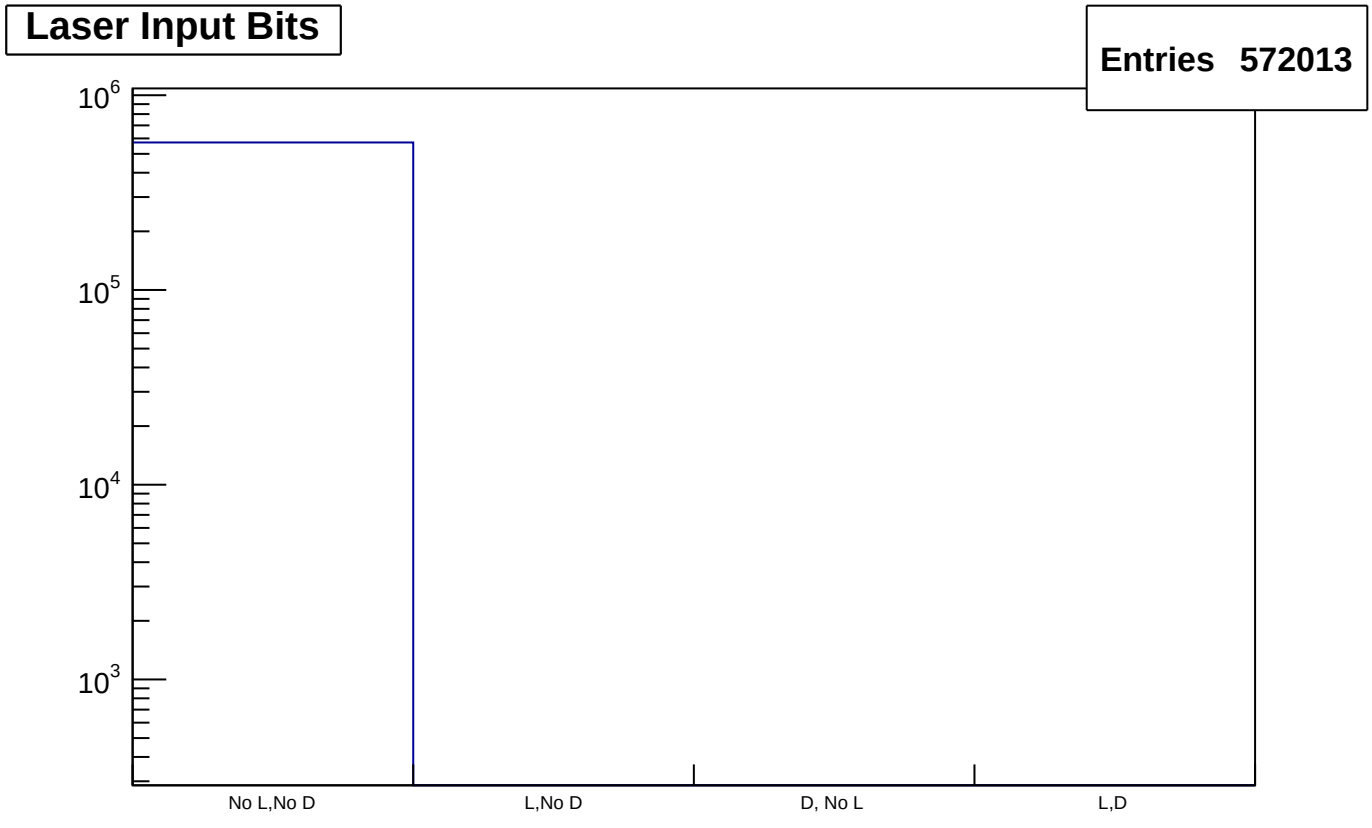

Entries 572013
TOF-Mult
VPD-West ADC Sum

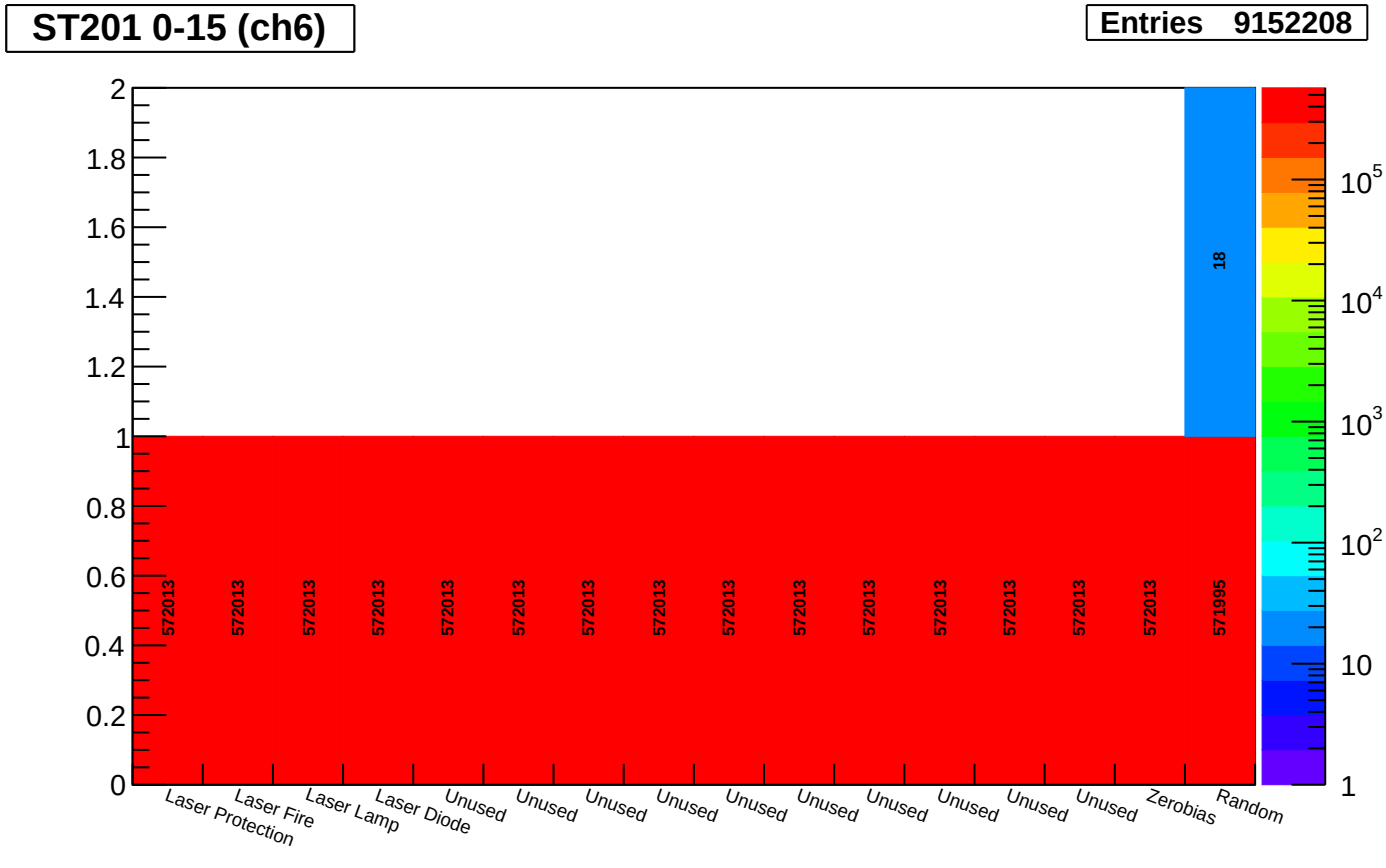

Entries 572013
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

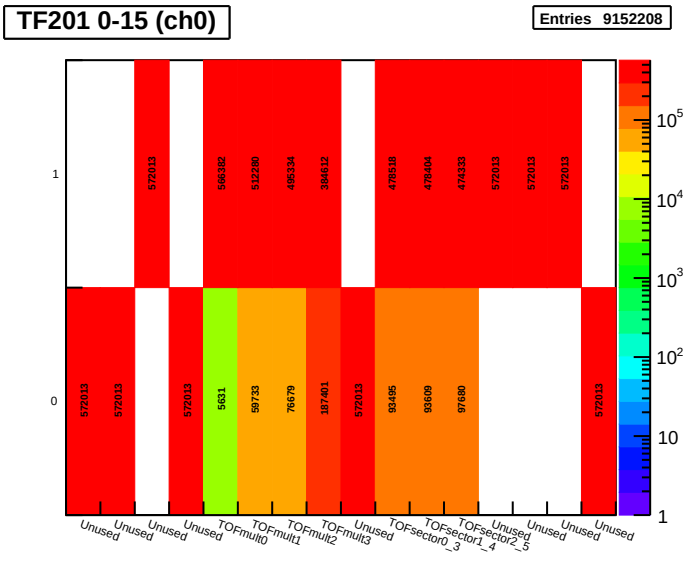

Entries 572013
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

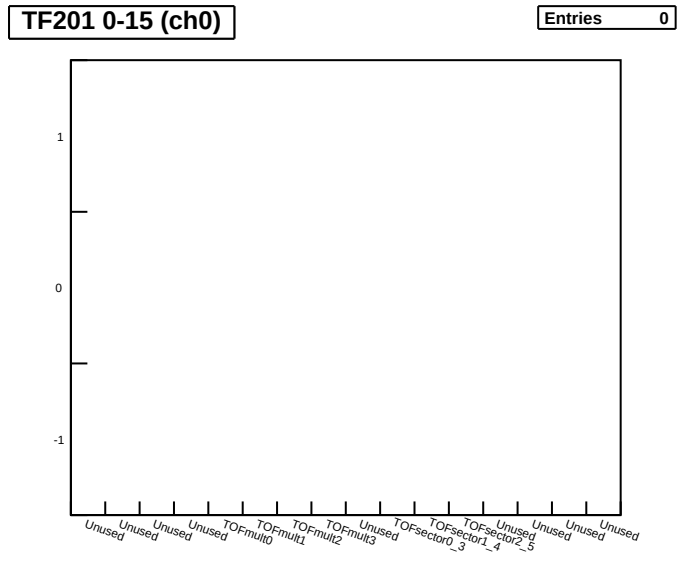

Entries 572013
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

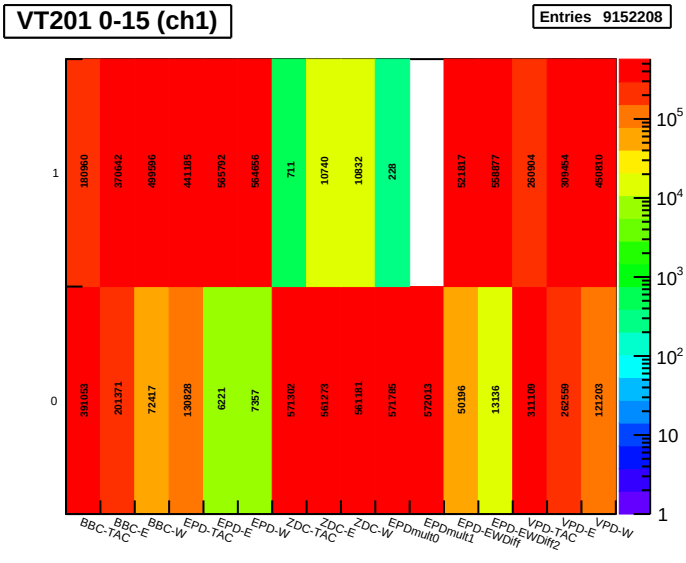

Entries 572013
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

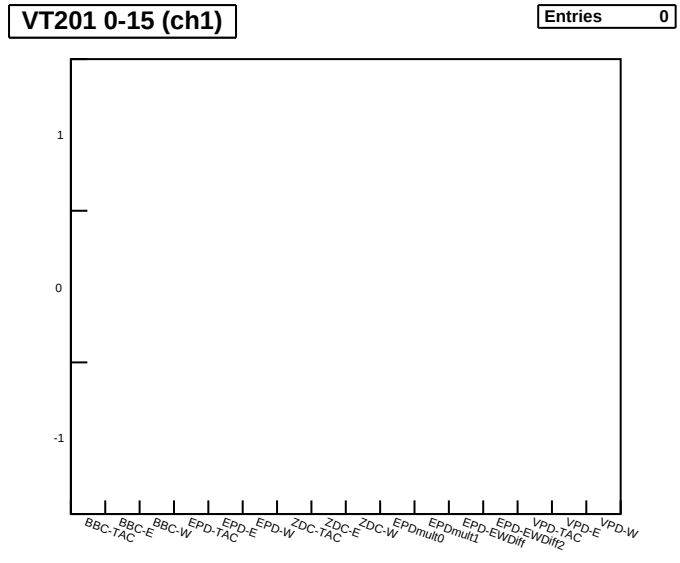

Laser Input Bits
Entries 572013
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

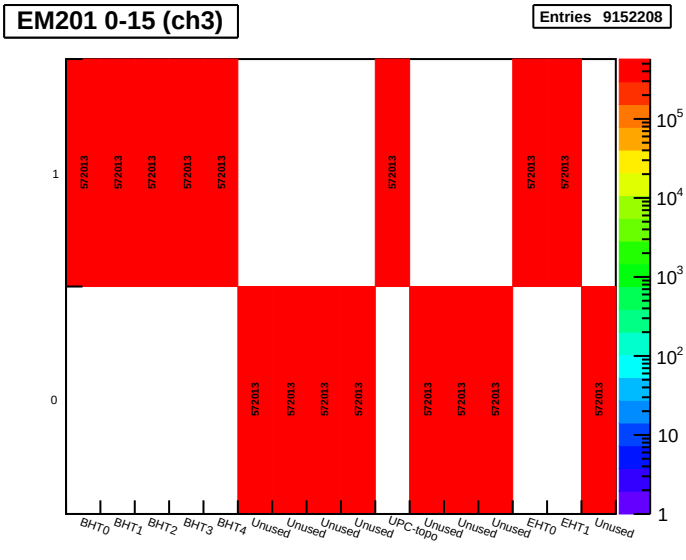

ST201 0-15 (ch6)
Entries 9152208
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
18
572013
571995
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

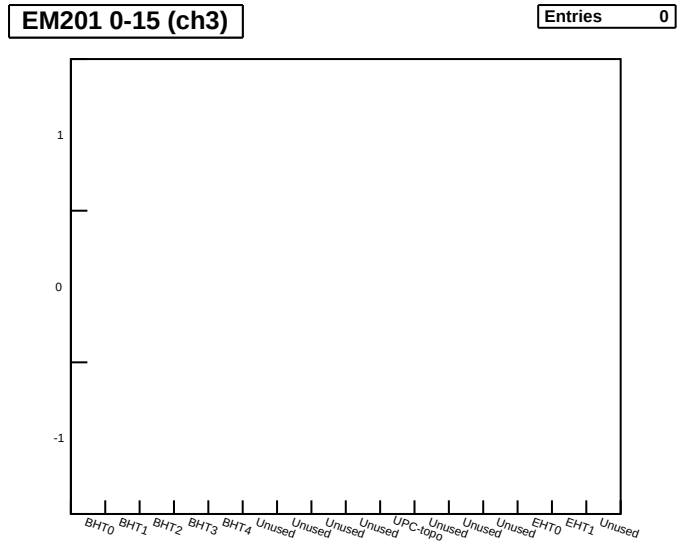

TF201 0-15 (ch0)
Entries 9152208
1
0
572013 566382 512280 495334 384612 478518 478404 474333 572013 572013 572013
572013 572013 572013 5631 59733 76679 187401 572013 93495 93609 97680 572013
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused 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 9152208
1
0
180960 370642 499596 441185 565792 564656 711 10740 10832 228 521817 558877 260904 309454 450810
391053 201371 72417 130828 6221 7357 571302 561273 561181 571785 572013 50196 13136 311109 262559 121203
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 9152208
1
0
572013 572013 572013 572013 572013 572013 572013 572013
572013 572013 572013 572013 572013 572013 572013 572013
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