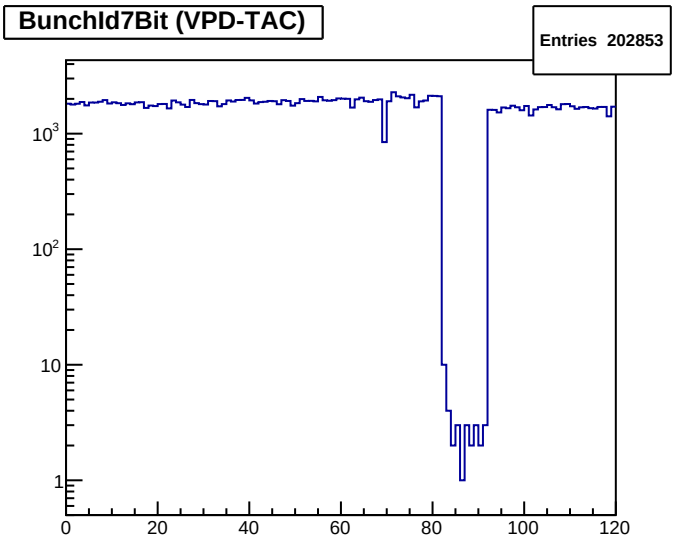
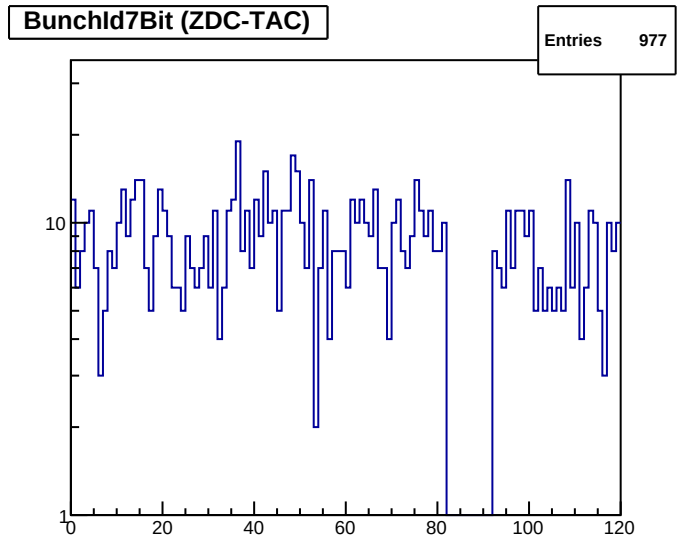
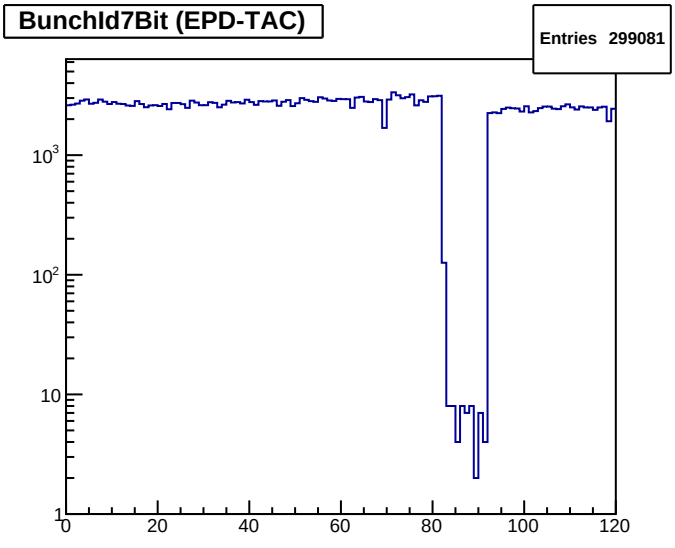
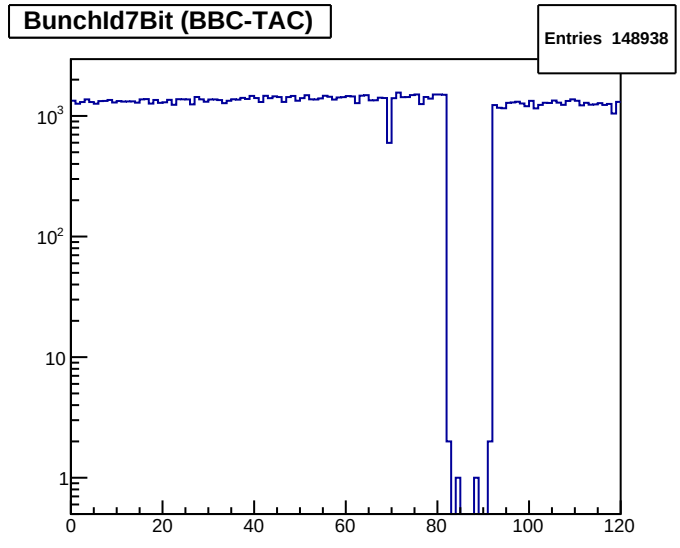
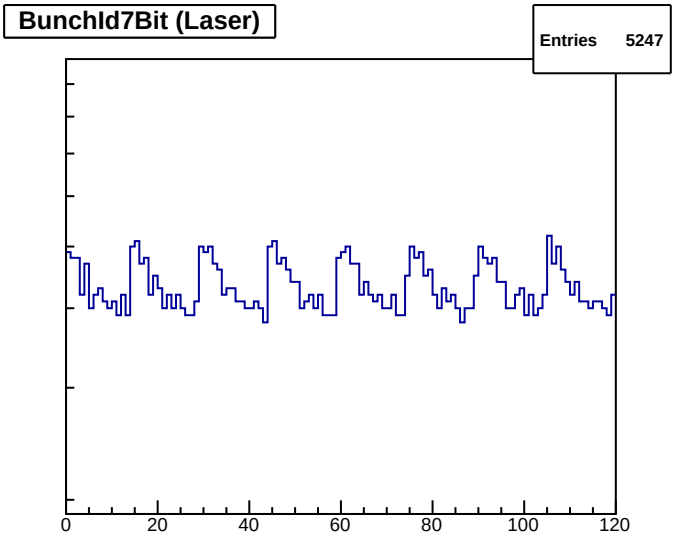
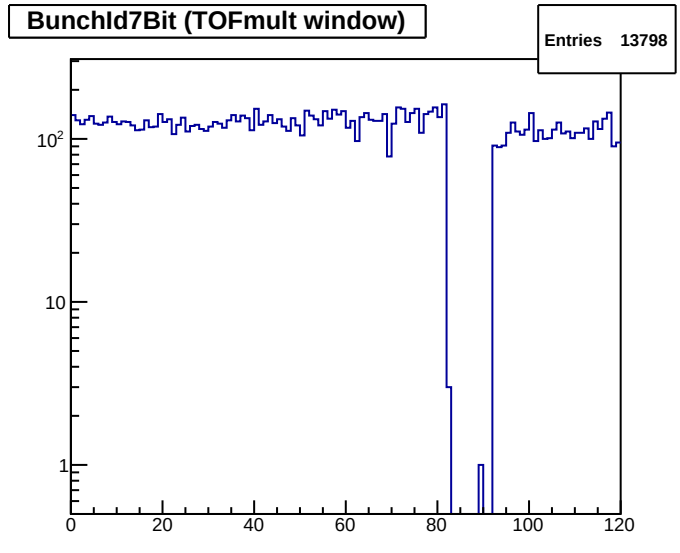

BunchId7Bit (VPD-TAC)
Entries 202853
10^3
10^2
10
1
0
20
40
60
80
100
120

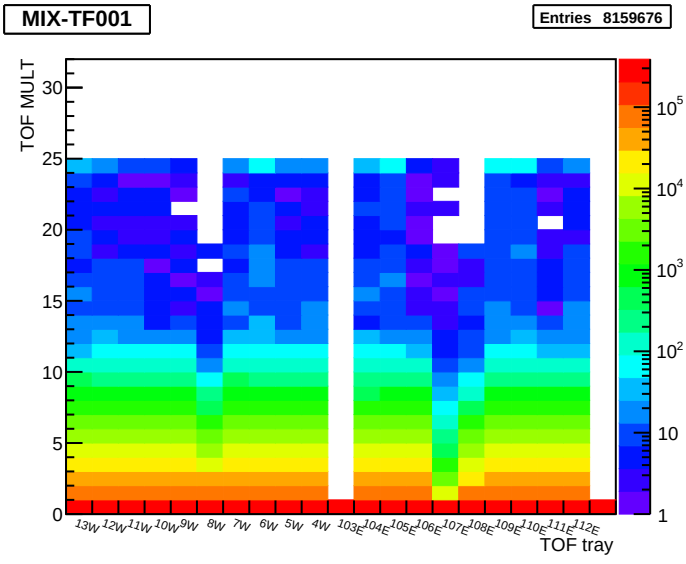

BunchId7Bit (ZDC-TAC)
Entries 977
10
1
0
20
40
60
80
100
120

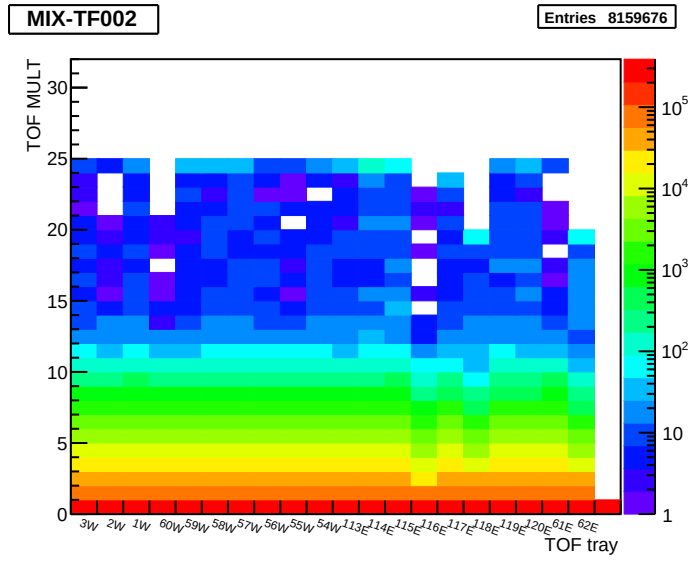

BunchId7Bit (EPD-TAC)
Entries 299081
10^3
10^2
10
1
0
20
40
60
80
100
120

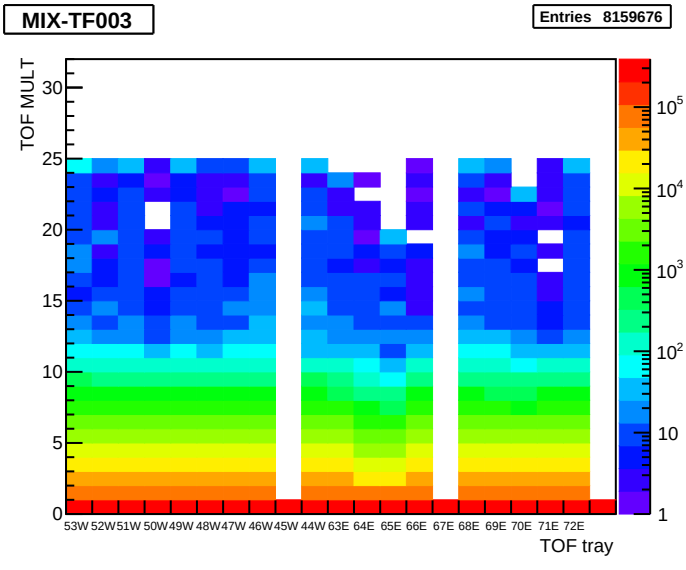

BunchId7Bit (BBC-TAC)
Entries 148938
10^3
10^2
10
1
0
20
40
60
80
100
120

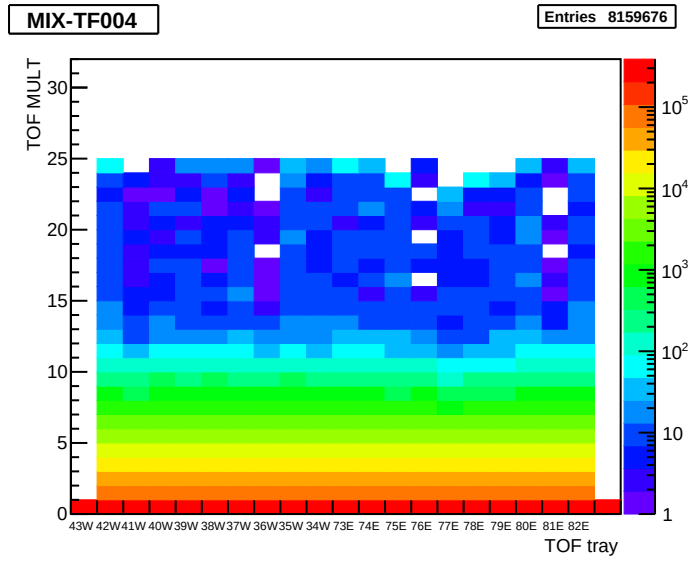

BunchId7Bit (Laser)
Entries 5247
0
20
40
60
80
100
120

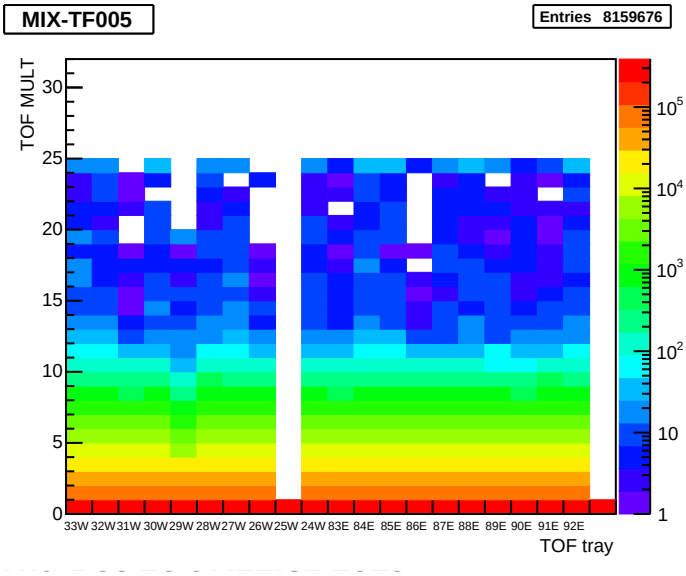

BunchId7Bit (TOFmult window)
Entries 13798
10^2
10
1
0
20
40
60
80
100
120

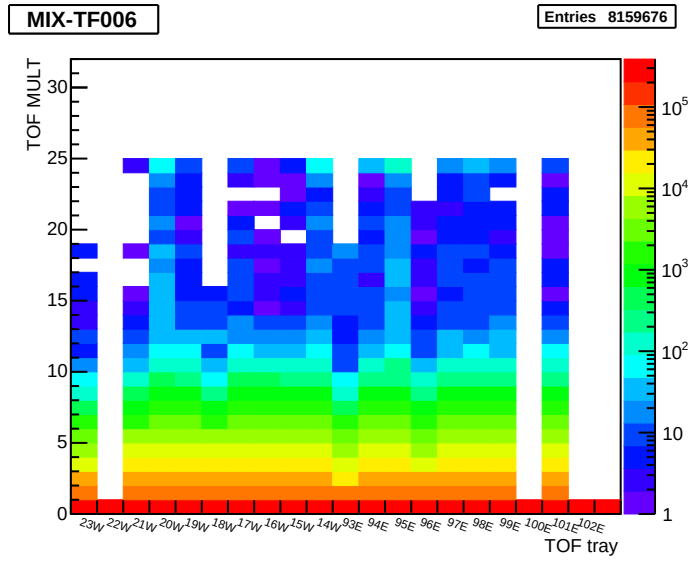

MIX-TF001
Entries 8159676
TOF MULT
TOF tray

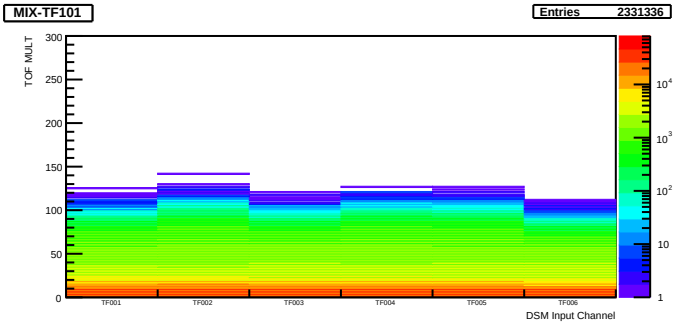

MIX-TF002
Entries 8159676
TOF MULT
TOF tray

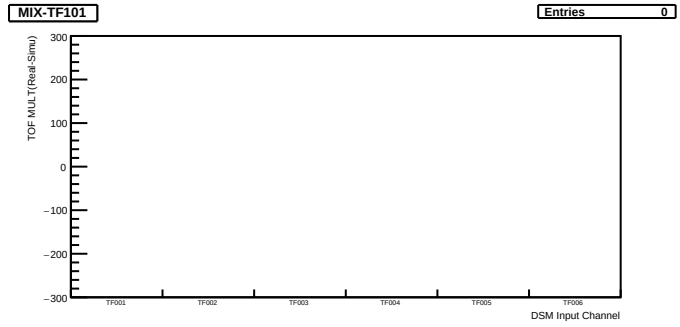

MIX-TF003
Entries 8159676
TOF MULT
TOF tray

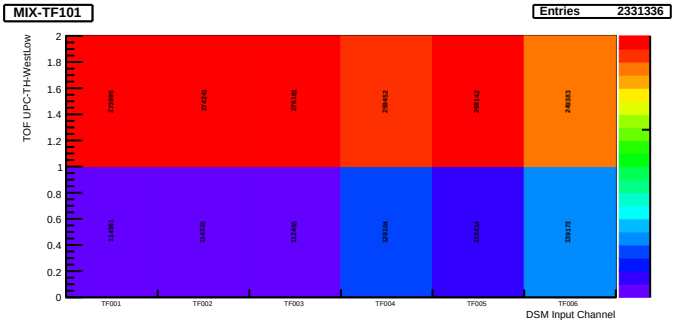

MIX-TF004
Entries 8159676
TOF MULT
TOF tray

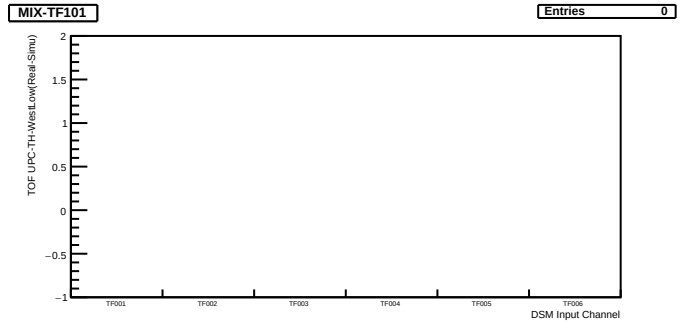

MIX-TF005
Entries 8159676
TOF MULT
TOF tray

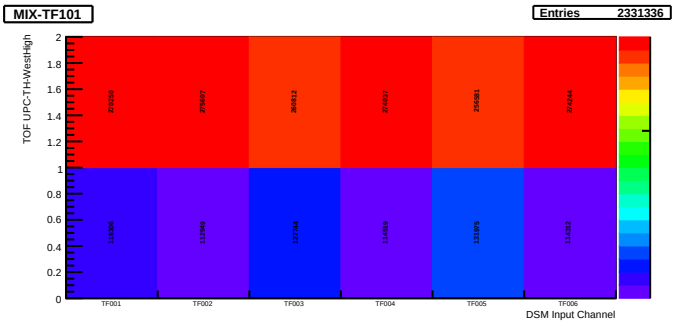

MIX-TF006
Entries 8159676
TOF MULT
TOF tray

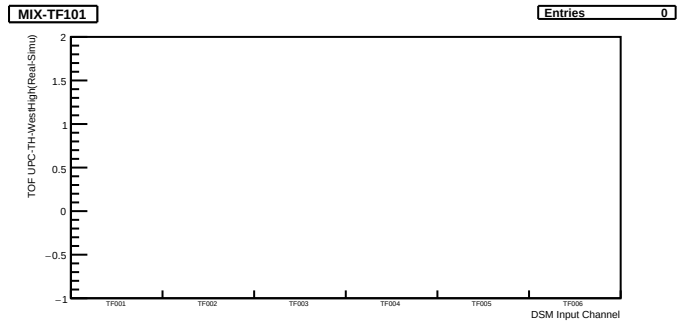

MIX-TF101
Entries 2331336
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

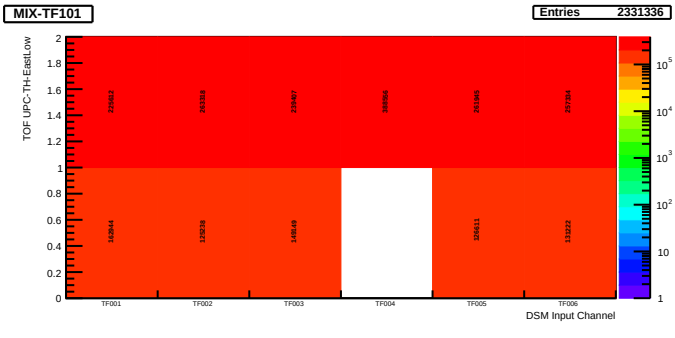

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

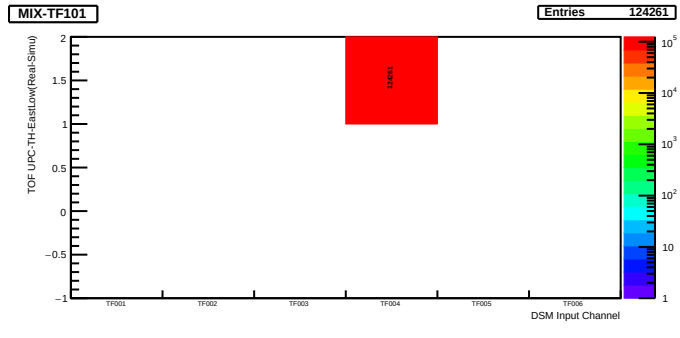

MIX-TF101
Entries 2331336
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

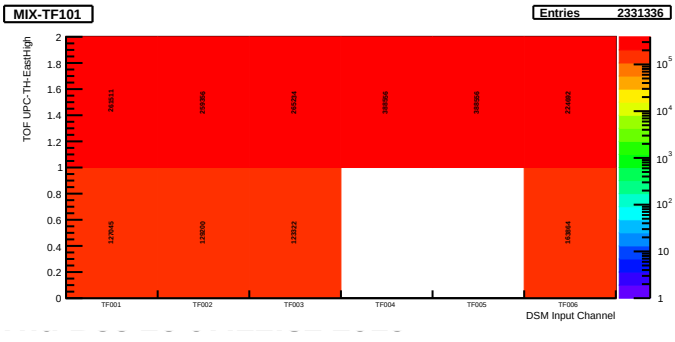

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

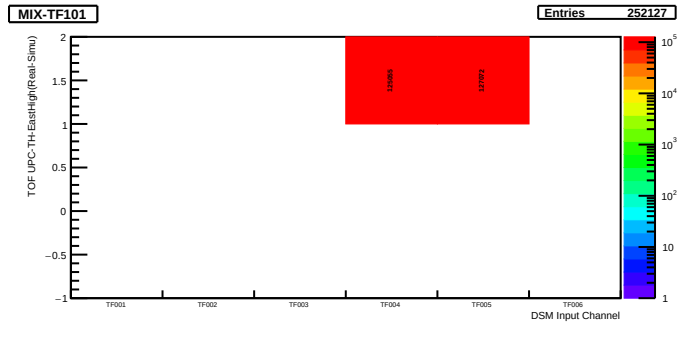

MIX-TF101
Entries 2331336
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

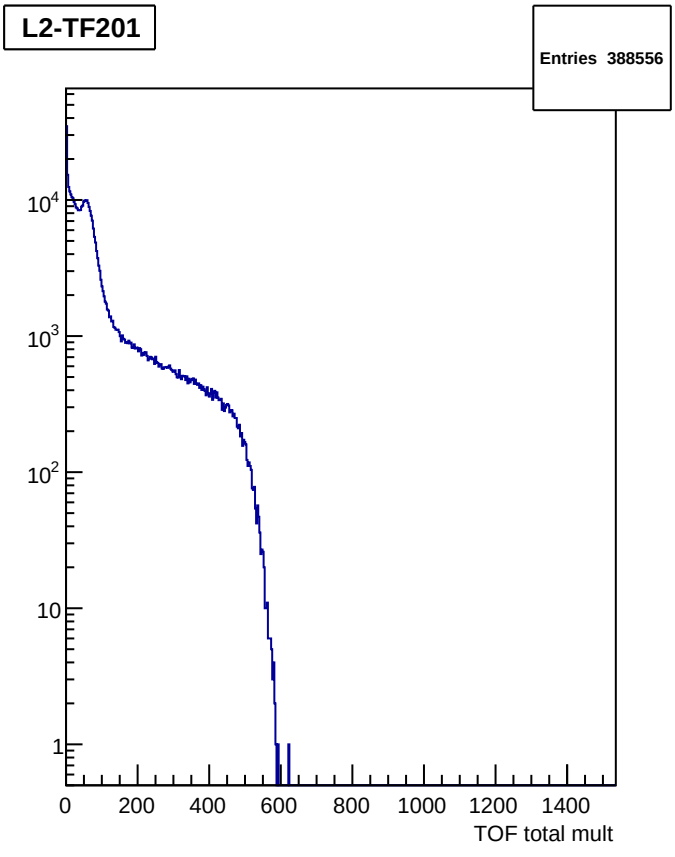

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

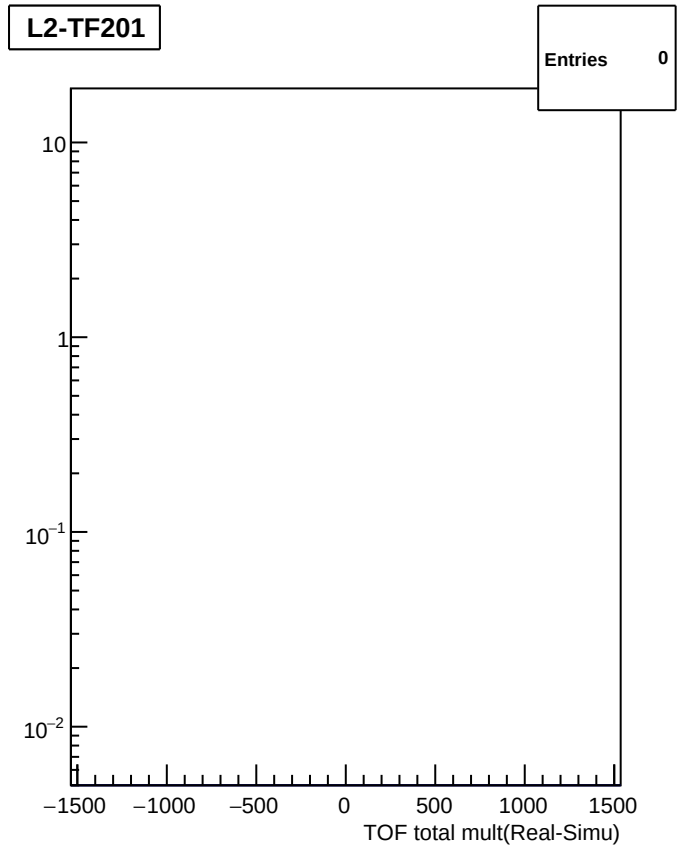

MIX-TF101
Entries 2331336
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

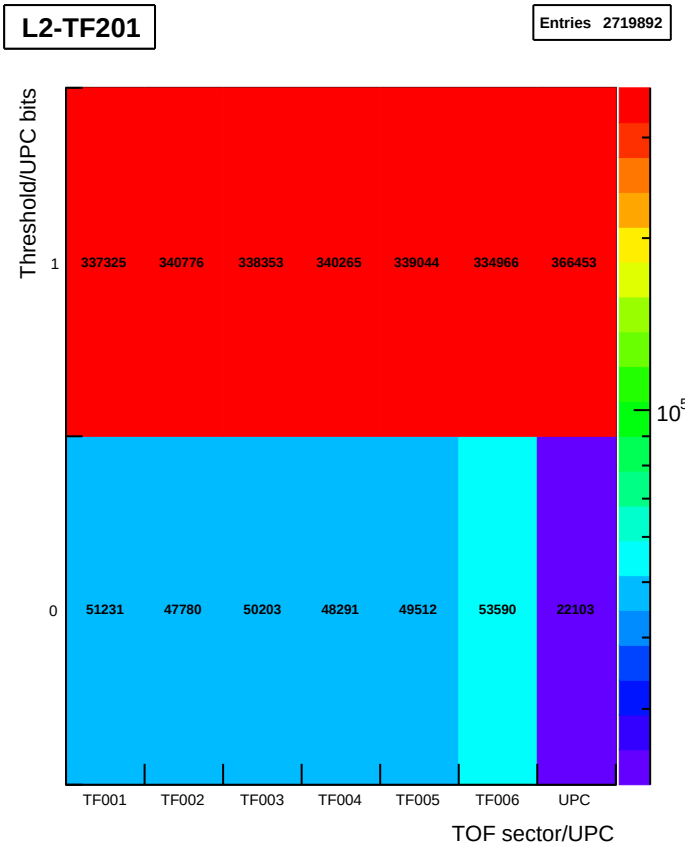

MIX-TF101
Entries 124261
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

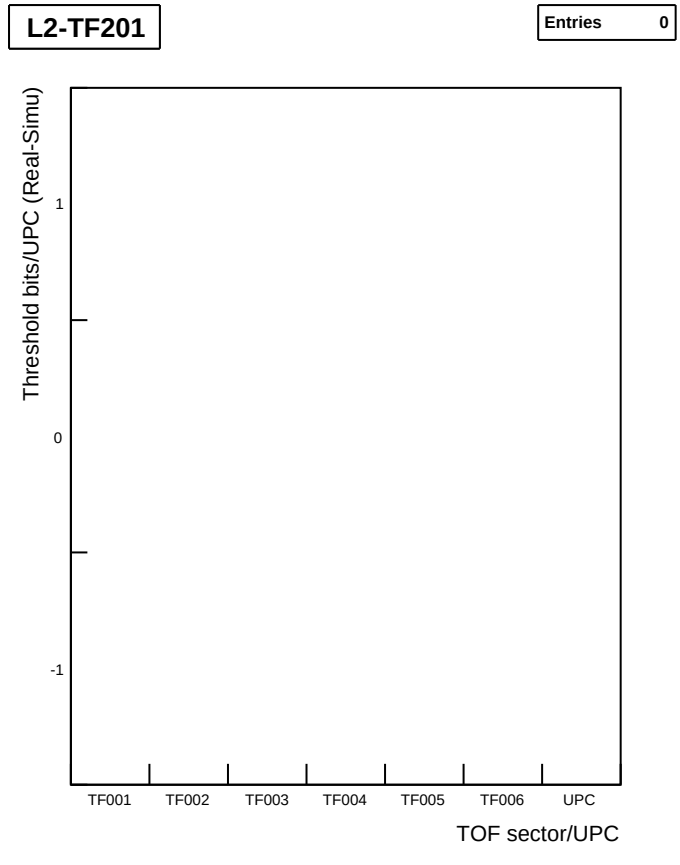

MIX-TF101
Entries 2331336
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

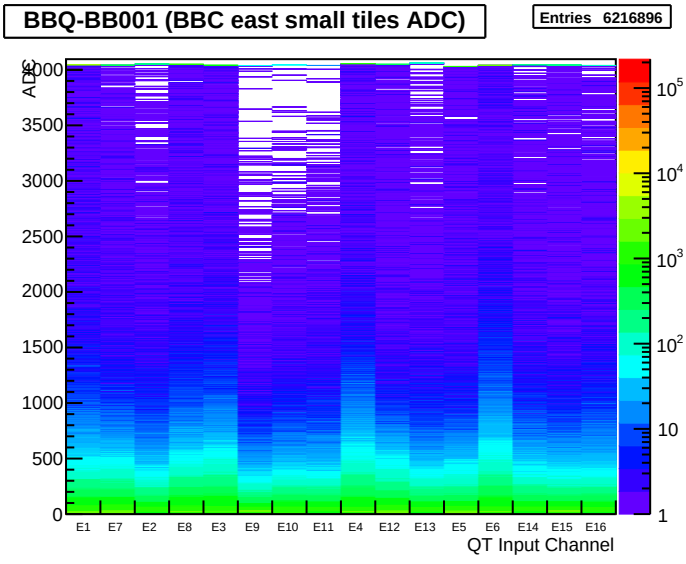

MIX-TF101
Entries 252127
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

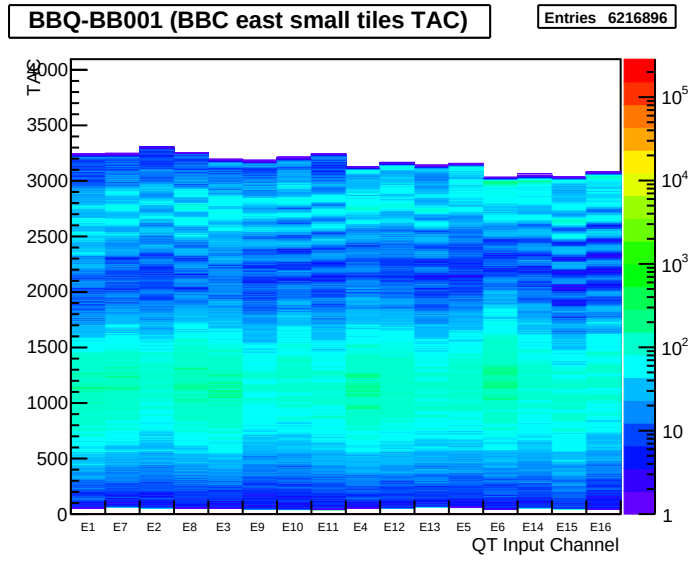

L2-TF201
Entries 388556
TOF total mult

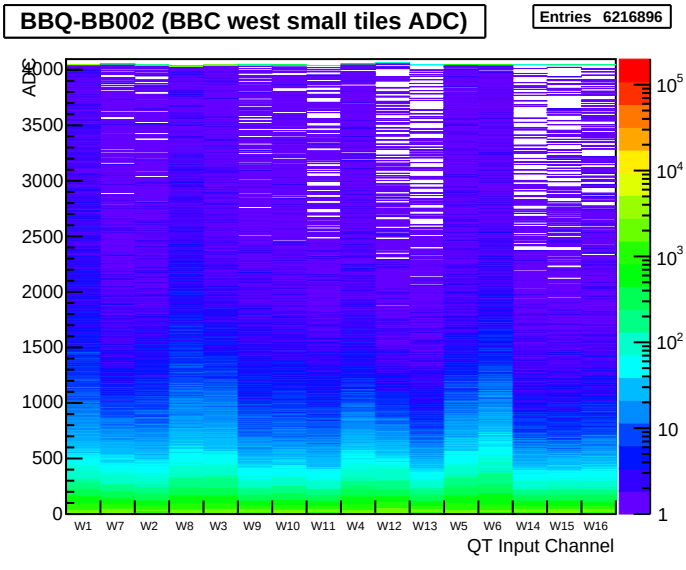

L2-TF201
Entries 0
TOF total mult(Real-Simu)

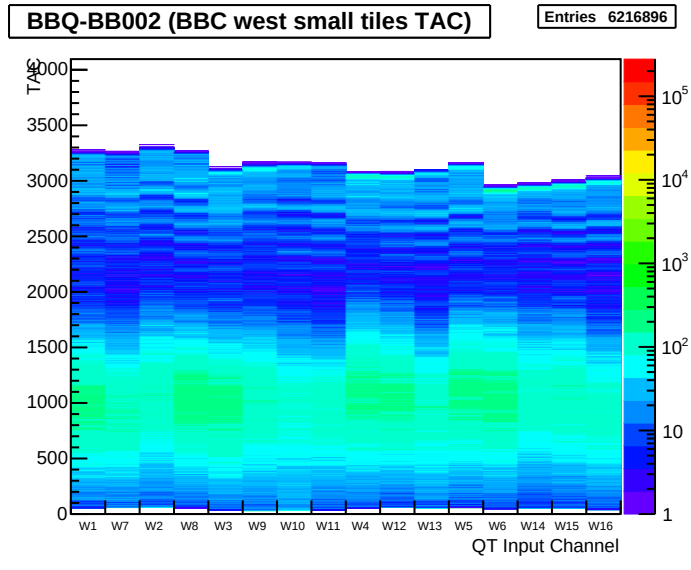

L2-TF201
Entries 2719892
Threshold/UPC bits
337325
340776
338353
340265
339044
334966
366453
51231
47780
50203
48291
49512
53590
22103
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

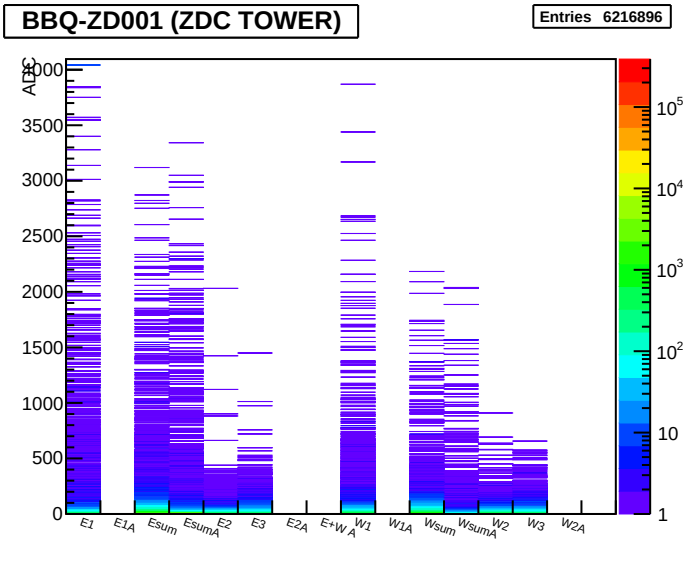

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

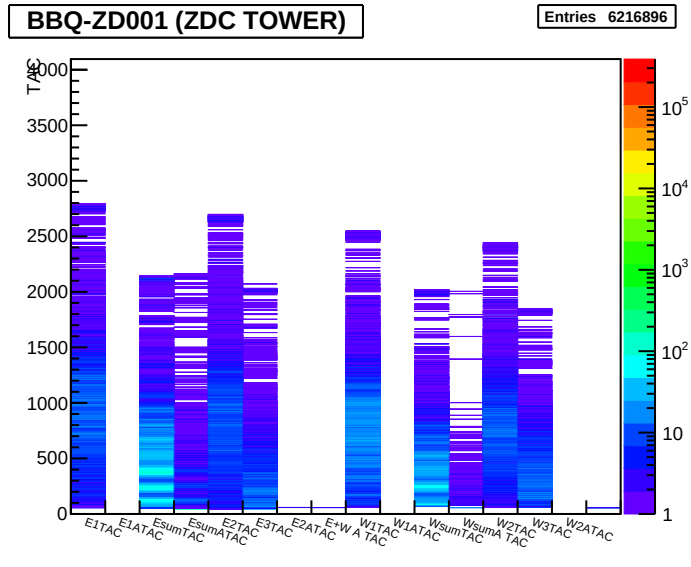

BBQ-BB001 (BBC east small tiles ADC)
Entries 6216896
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

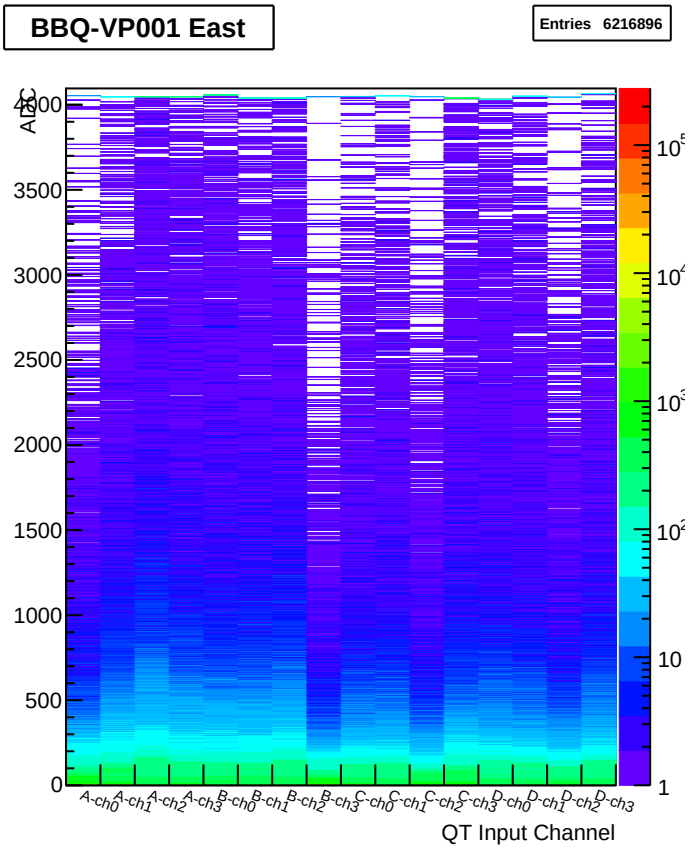

BBQ-BB001 (BBC east small tiles TAC)
Entries 6216896
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

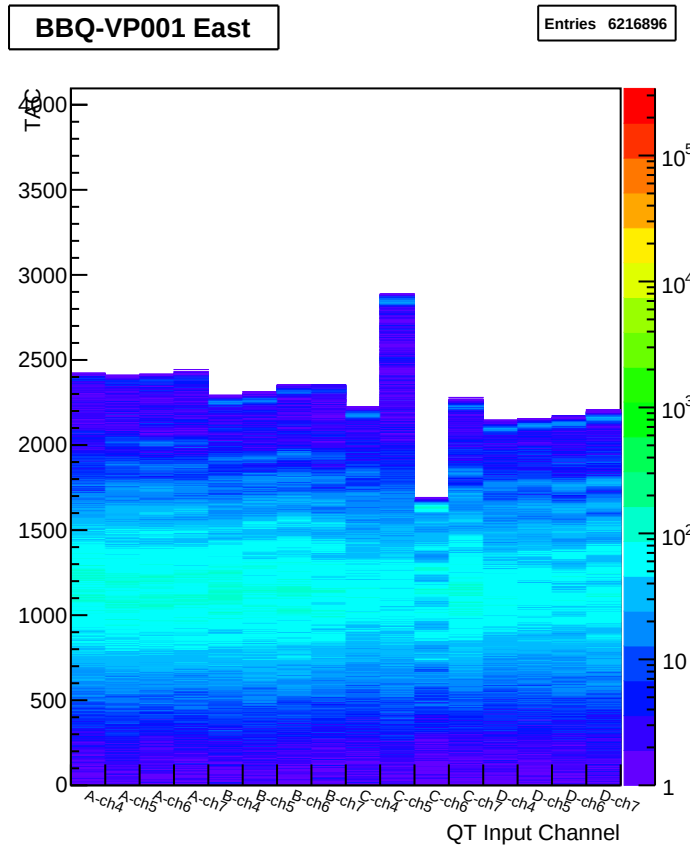

BBQ-BB002 (BBC west small tiles ADC)
Entries 6216896
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

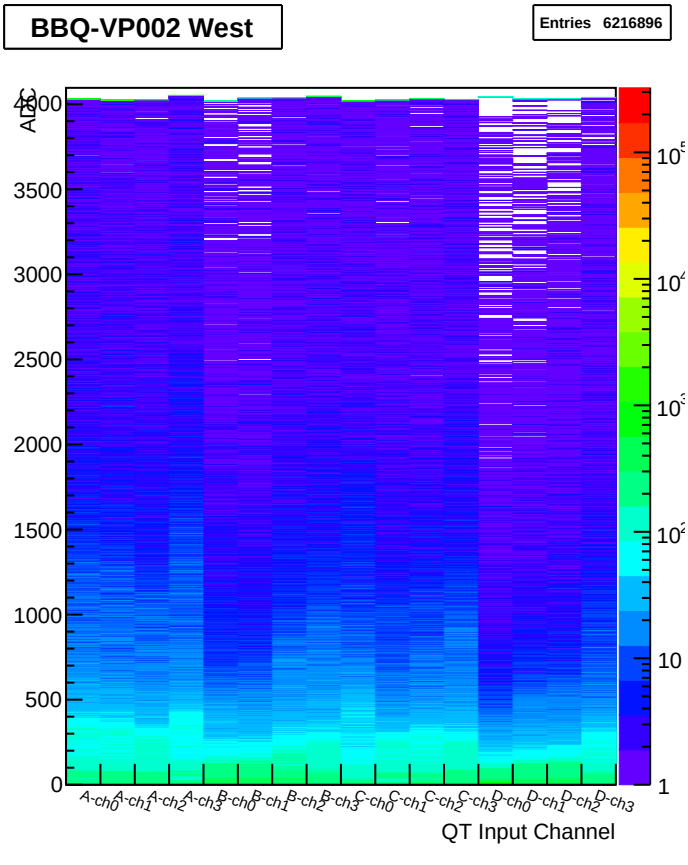

BBQ-BB002 (BBC west small tiles TAC)
Entries 6216896
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

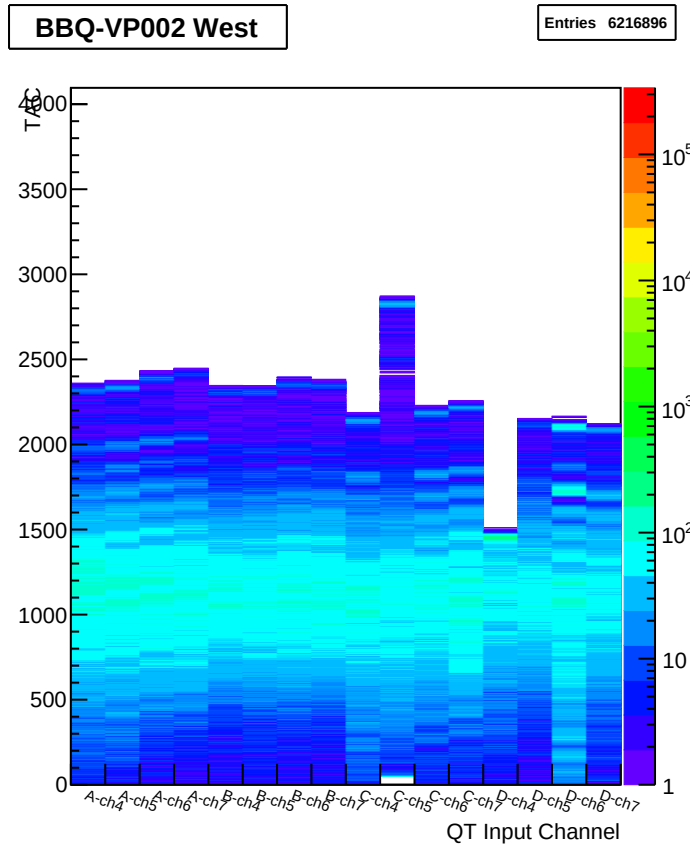

BBQ-ZD001 (ZDC TOWER)
Entries 6216896
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

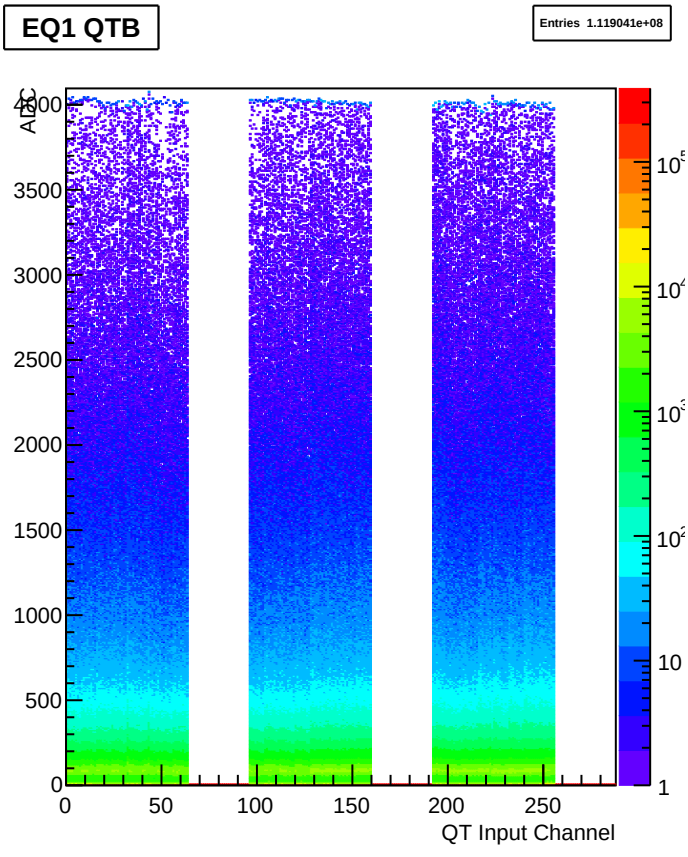

BBQ-ZD001 (ZDC TOWER)
Entries 6216896
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

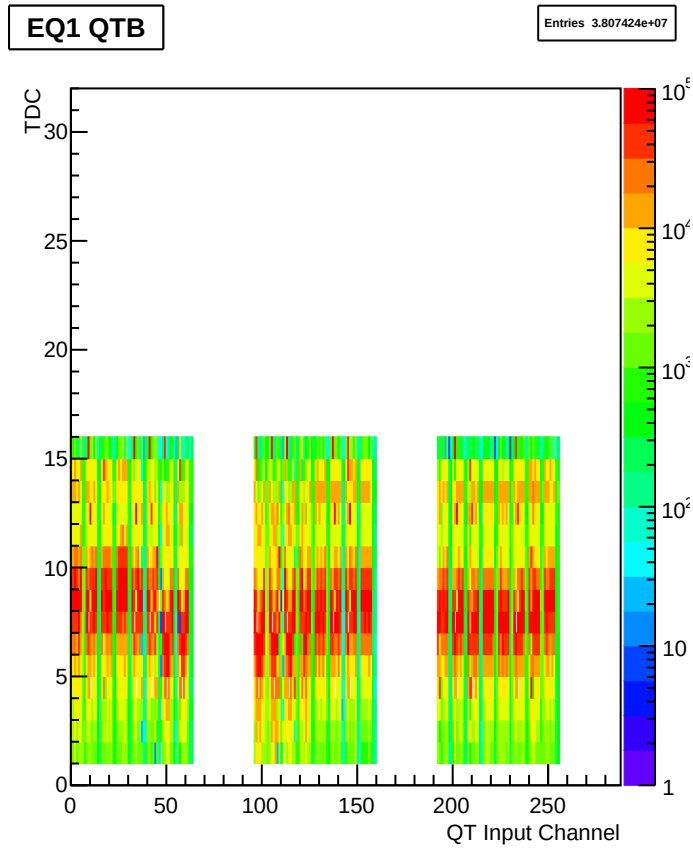

BBQ-VP001 East
Entries 6216896
ADC
QT Input Channel

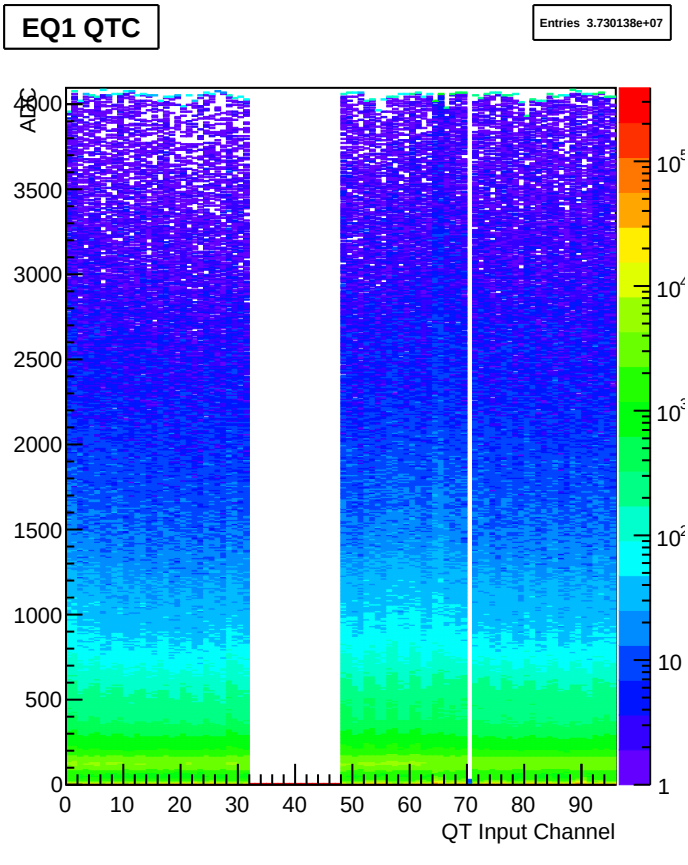

BBQ-VP001 East
Entries 6216896
ADC
QT Input Channel

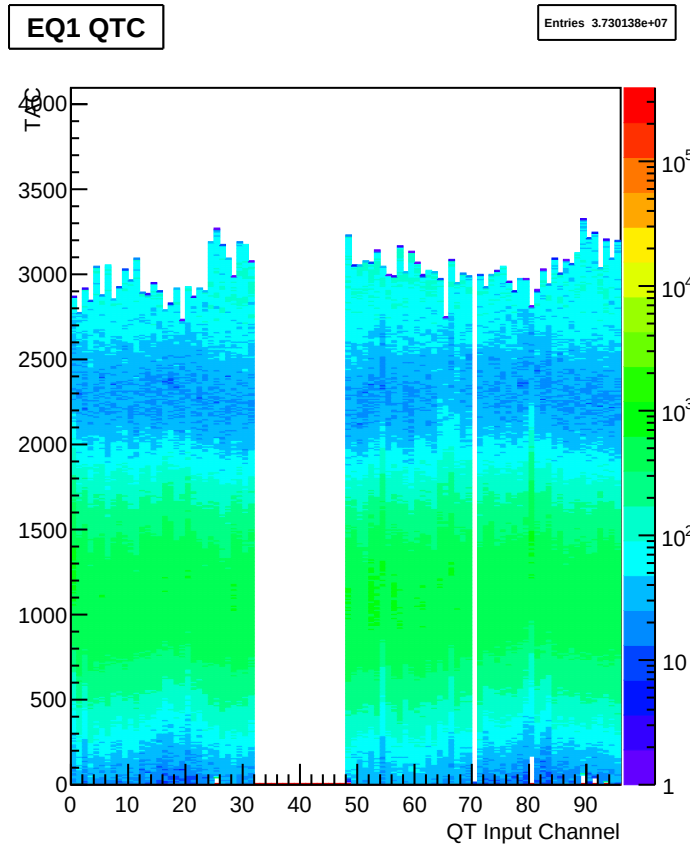

BBQ-VP002 West
Entries 6216896
ADC
QT Input Channel

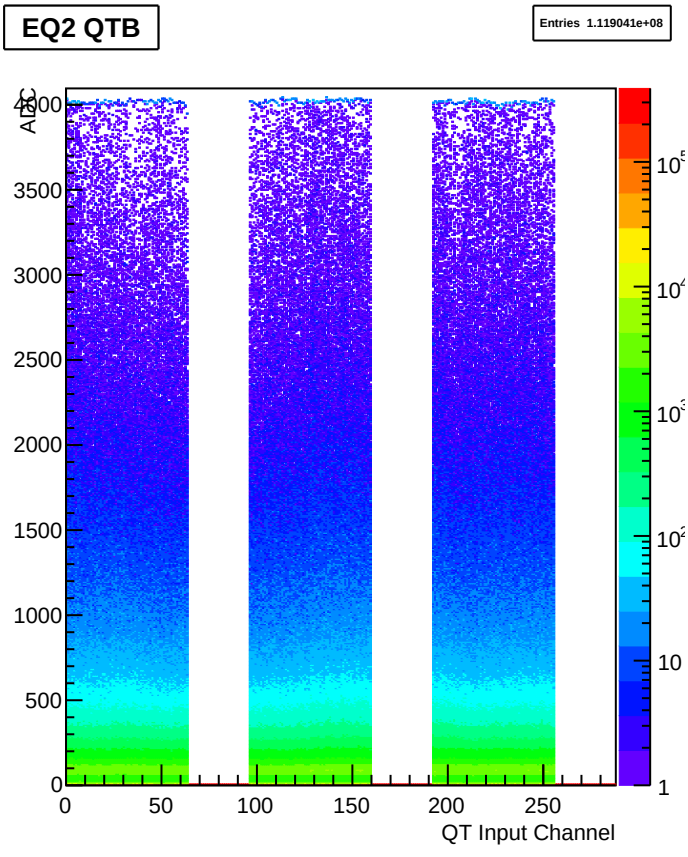

BBQ-VP002 West
Entries 6216896
ADC
QT Input Channel

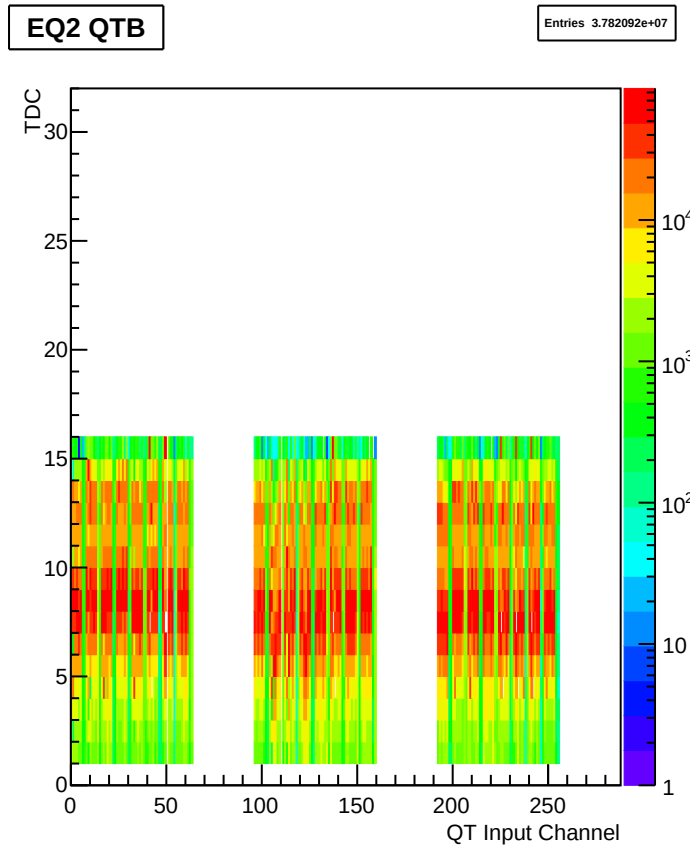

EQ1 QTB
Entries 1.119041e+08
ADC
QT Input Channel

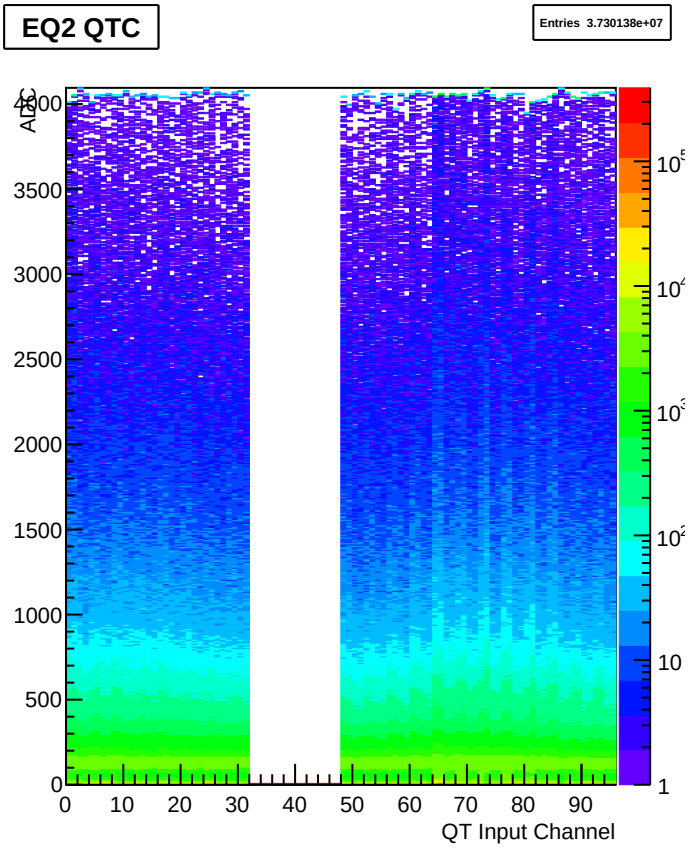

EQ1 QTB
Entries 3.807424e+07
TDC
QT Input Channel

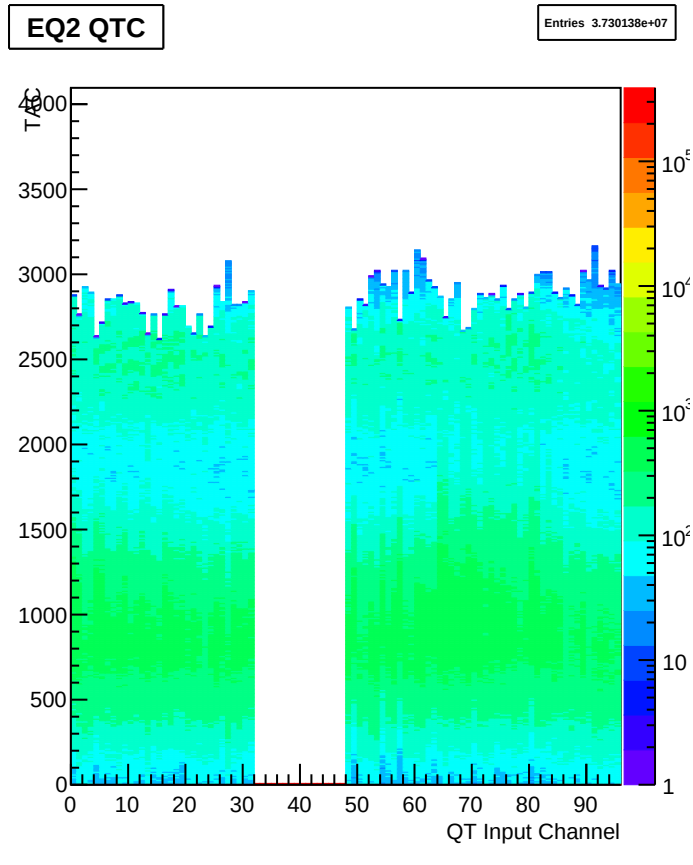

EQ1 QTC
Entries 3.730138e+07
ADC
QT Input Channel

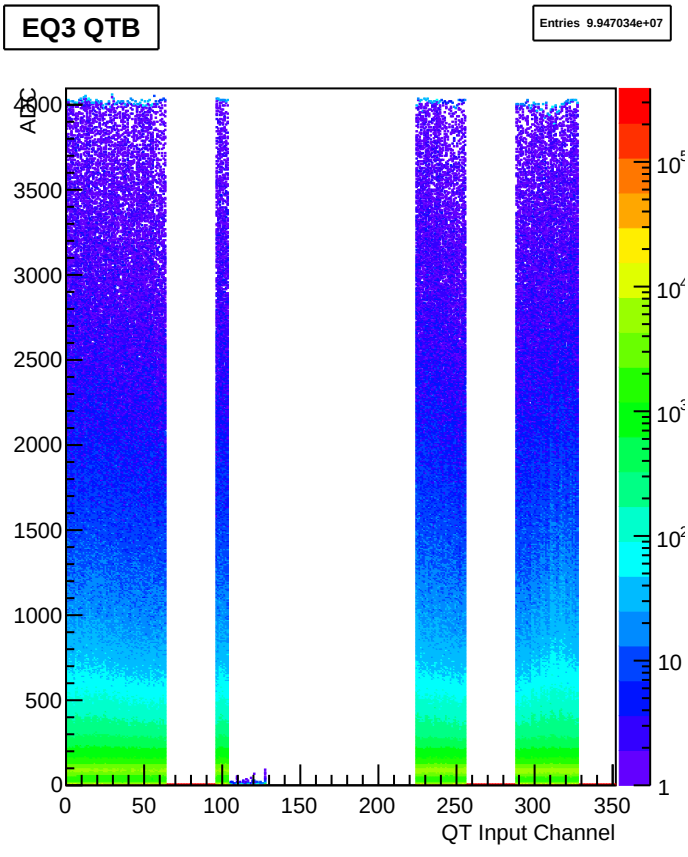

EQ1 QTC
Entries 3.730138e+07
TADC
QT Input Channel

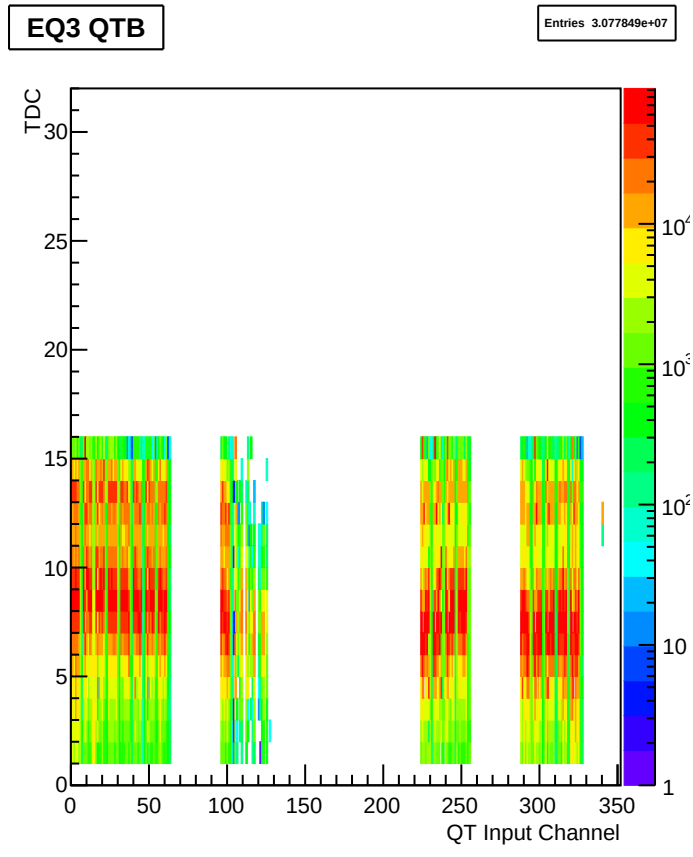

EQ2 QTB
Entries 1.119041e+08
ADC
QT Input Channel

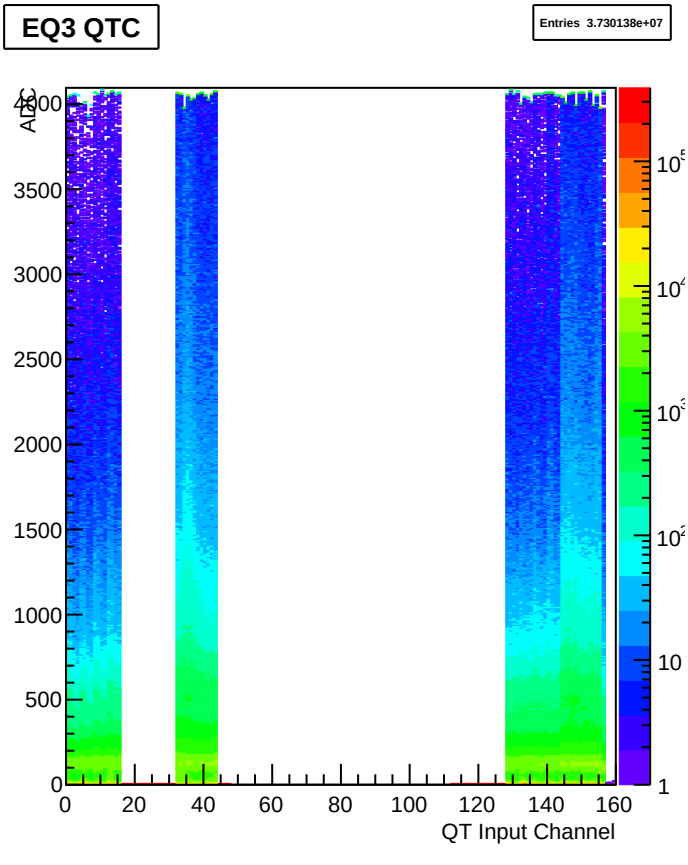

EQ2 QTB
Entries 3.782092e+07
TDC
QT Input Channel

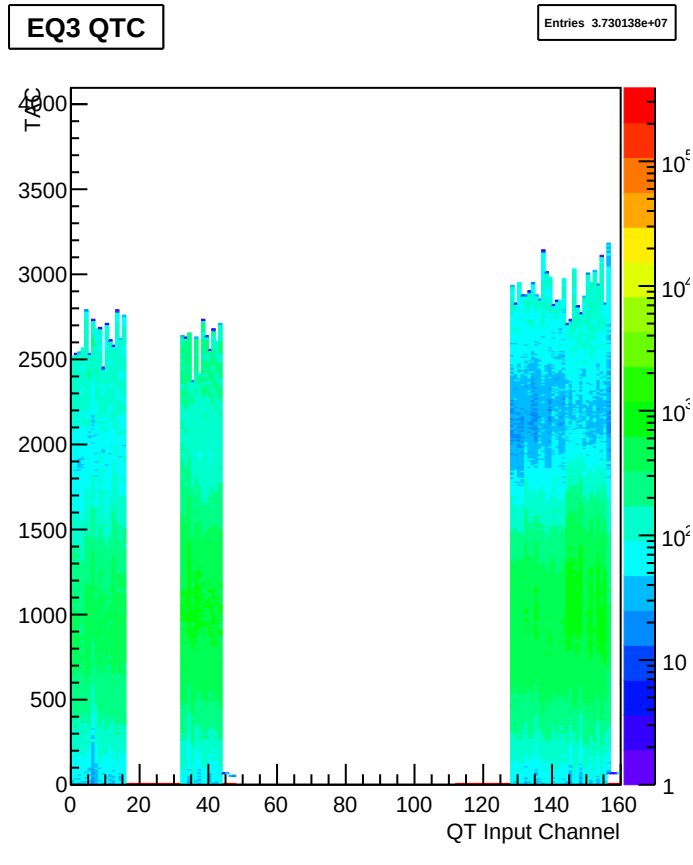

EQ2 QTC
Entries 3.730138e+07
ADC
QT Input Channel

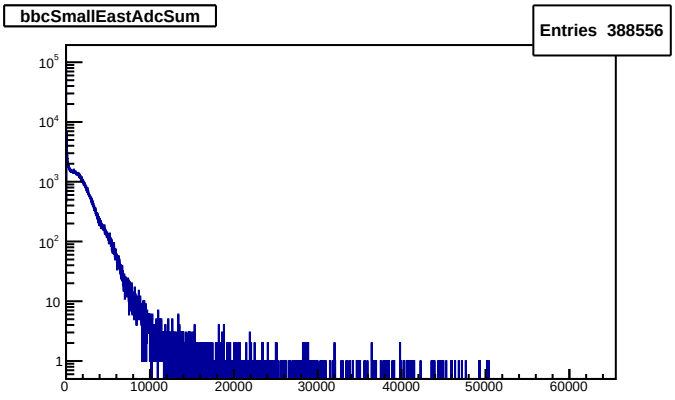

EQ2 QTC
Entries 3.730138e+07
TADC
QT Input Channel

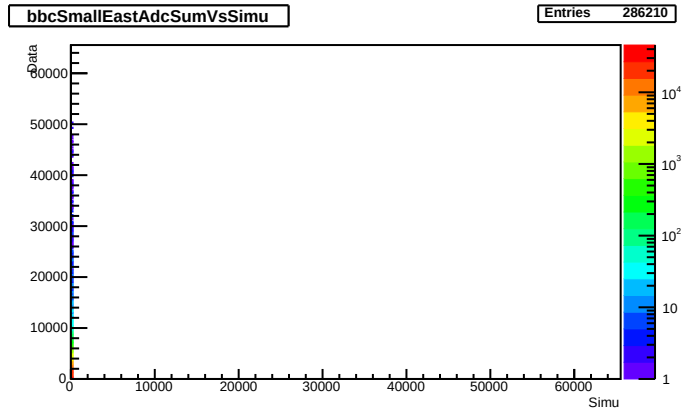

EQ3 QTB
Entries 9.947034e+07
ADC
QT Input Channel

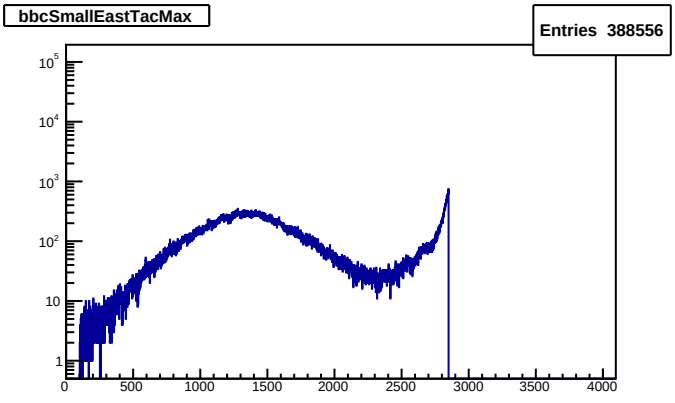

EQ3 QTB
Entries 3.077849e+07
TDC
QT Input Channel

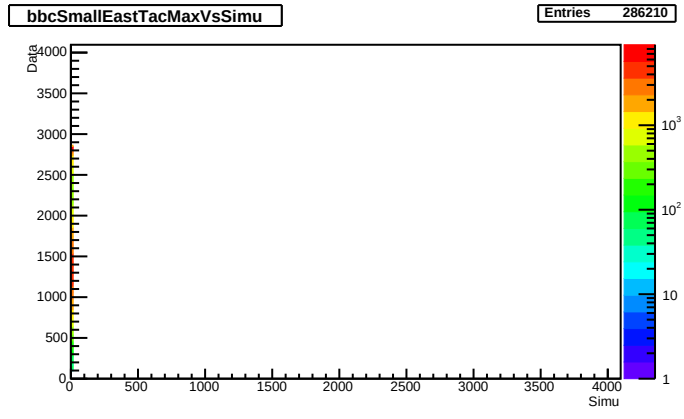

EQ3 QTC
Entries 3.730138e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.730138e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 388556


bbcSmallEastAdcSumVsSimu
Entries 286210
Data
Simu


bbcSmallEastTacMax
Entries 388556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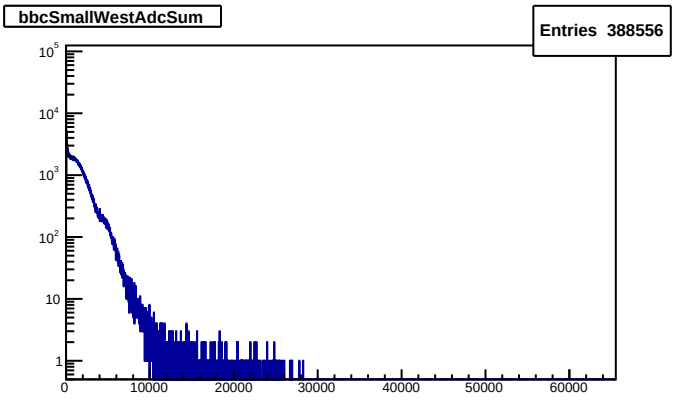
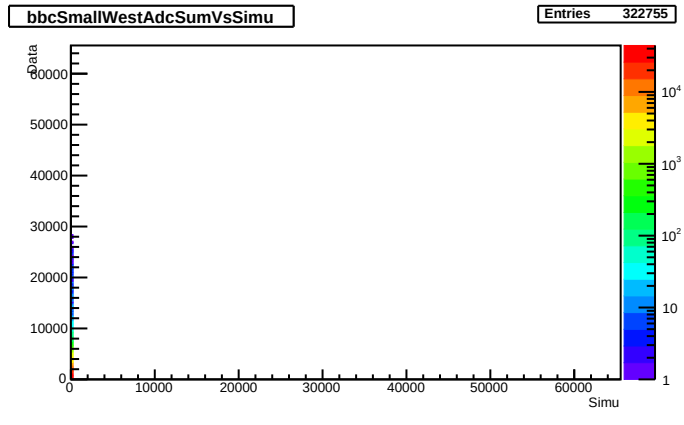
Entries 286210
Data
Simu


bbcSmallWestAdcSum
Entries 388556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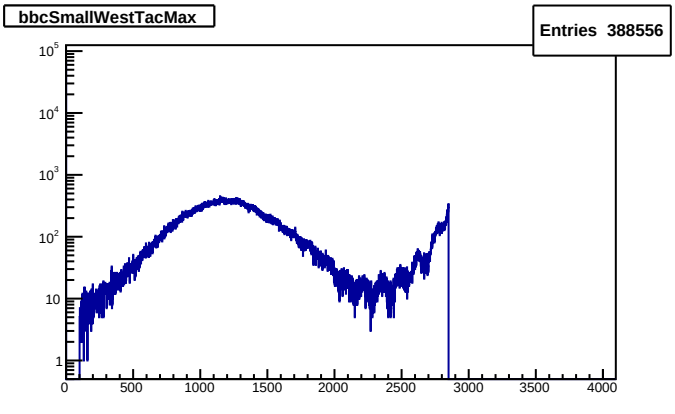
Entries 322755
Data
Simu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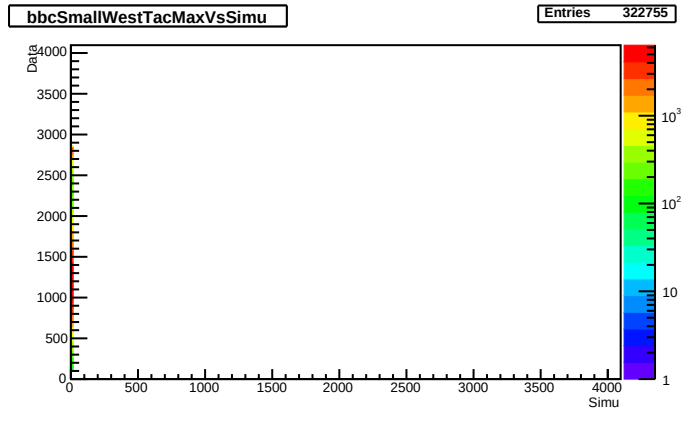
Entries 388556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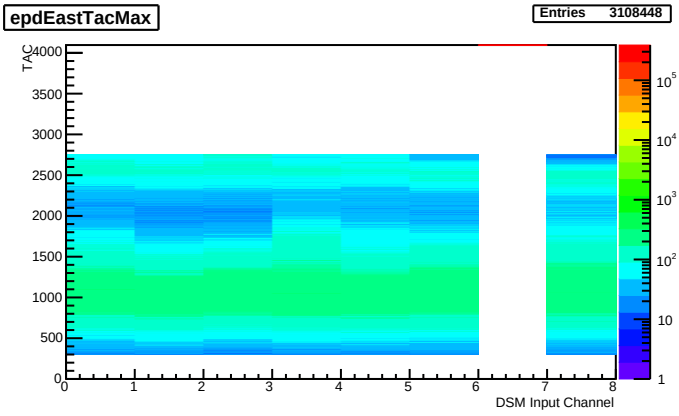
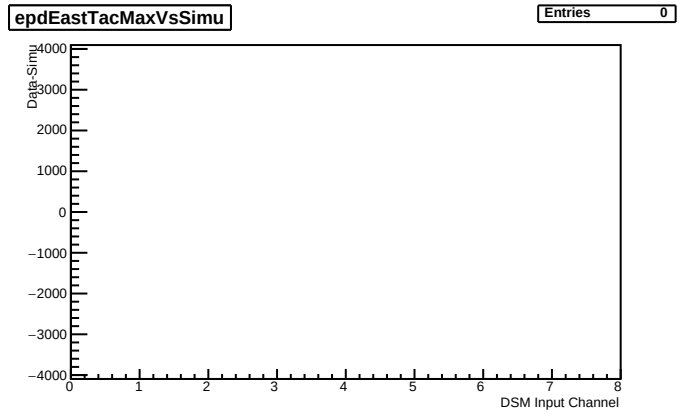
Entries 322755
Data
Simu


epdEastTacMax
Entries 3108448
TAC
DSM Input Channel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Entries 0
Data-Simu
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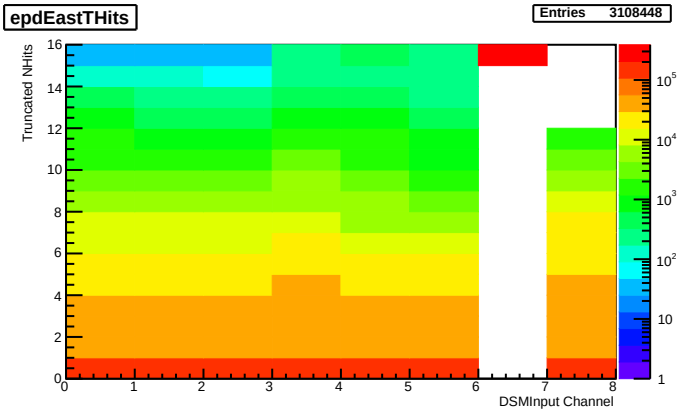
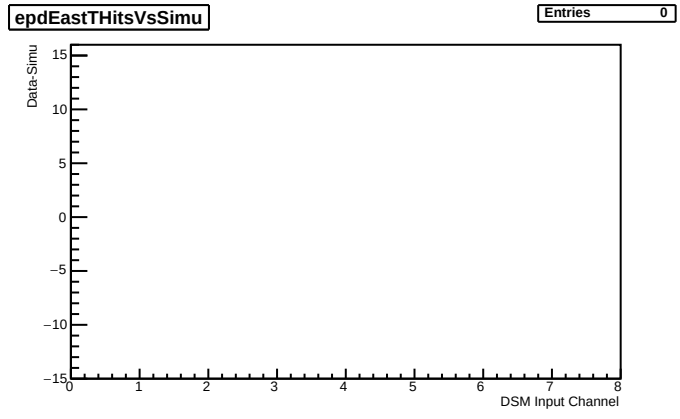

epdEastTHits
Entries 3108448
Truncated NHits
DSMInput Channel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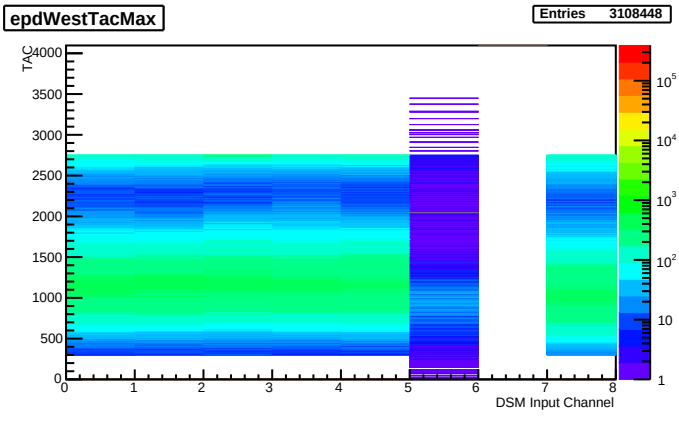
Data-Simu
DSM Input Channel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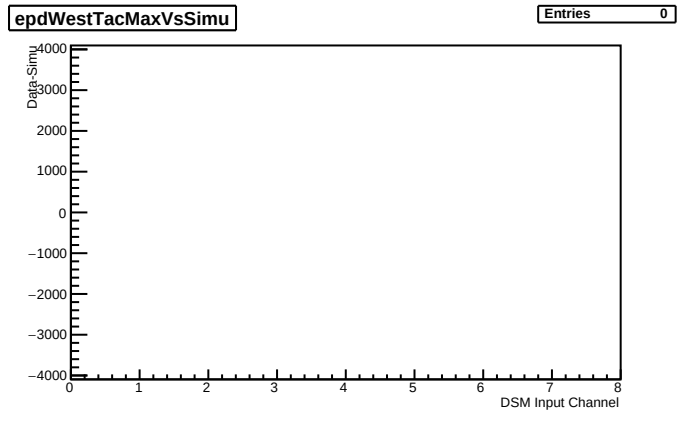
Entries 3108448
TAC
DSM Input Channel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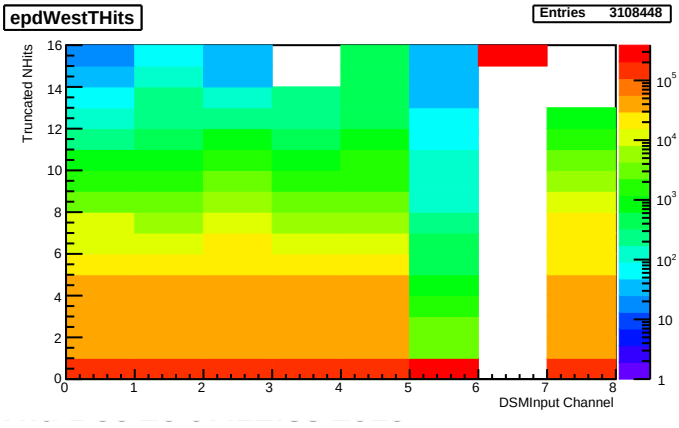
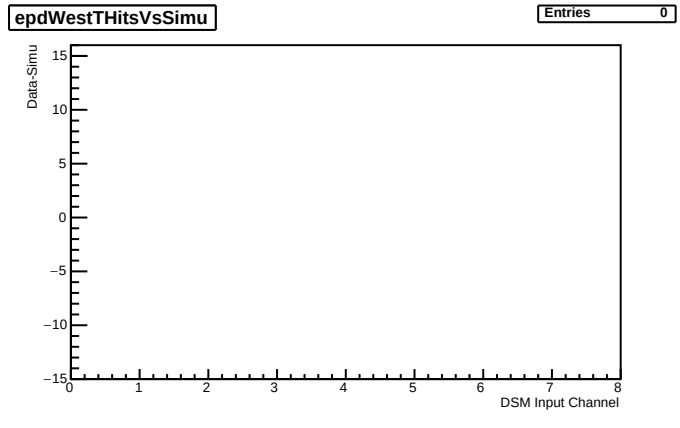
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3108448
Truncated NHits
DSMInput Channel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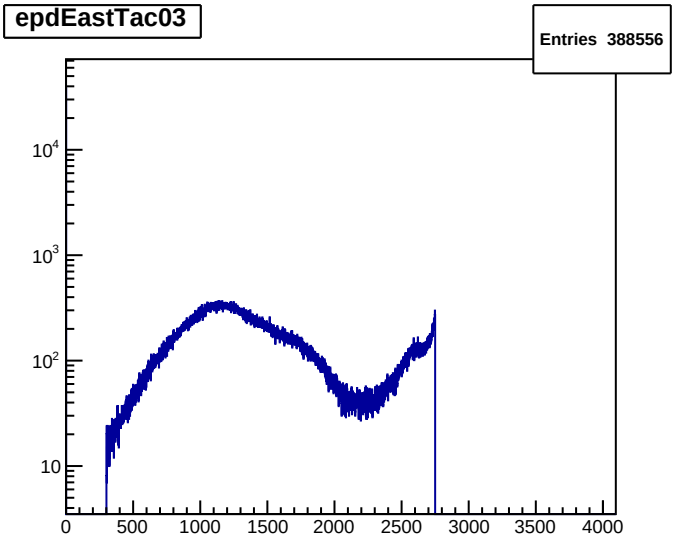
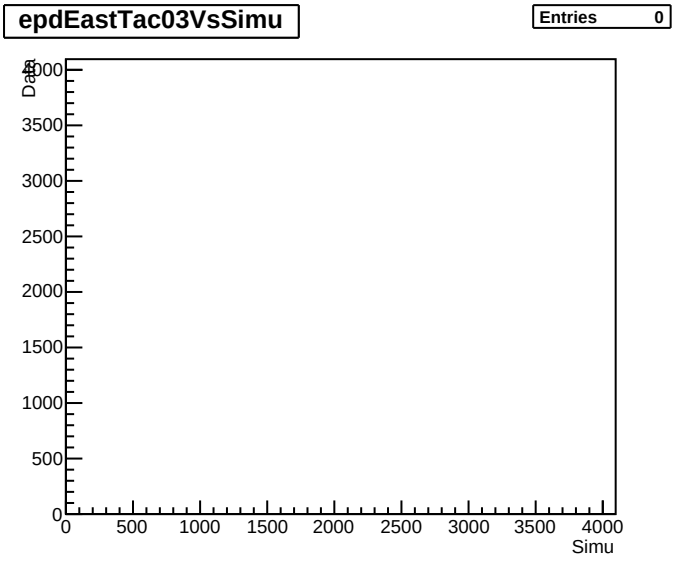
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 388556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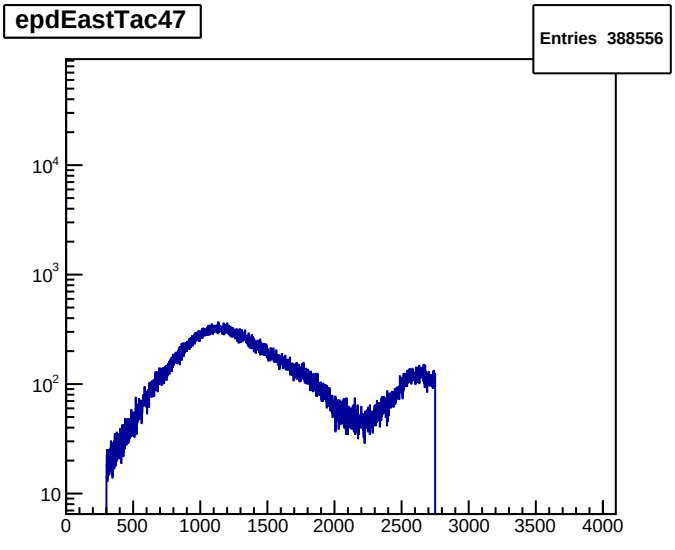
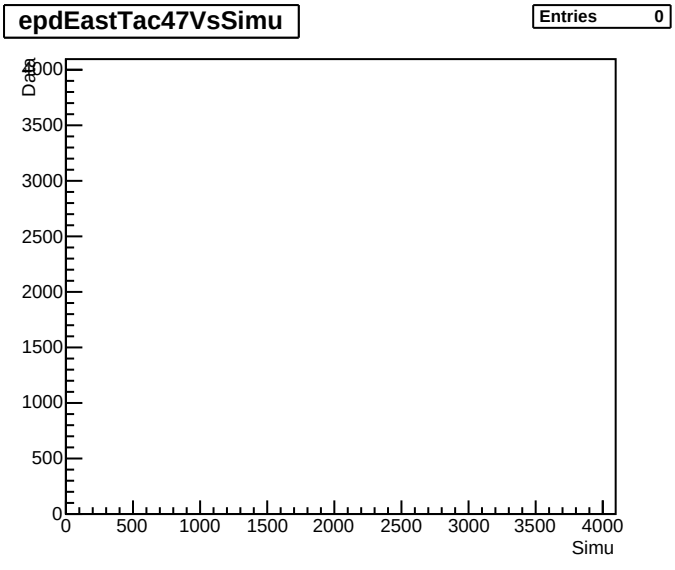
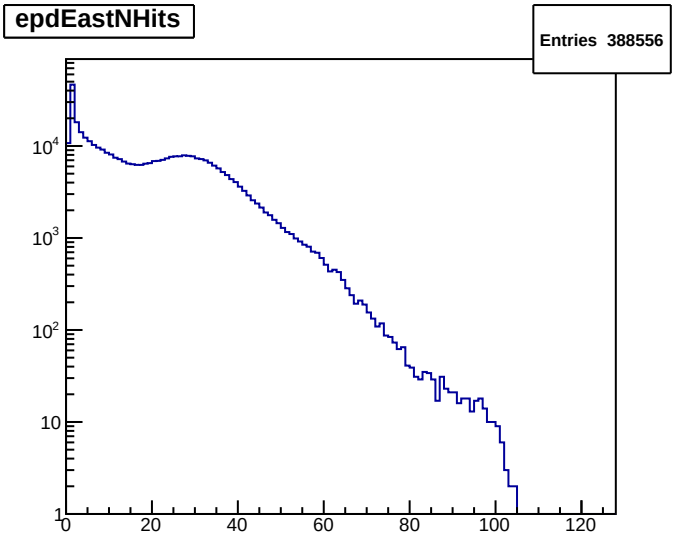
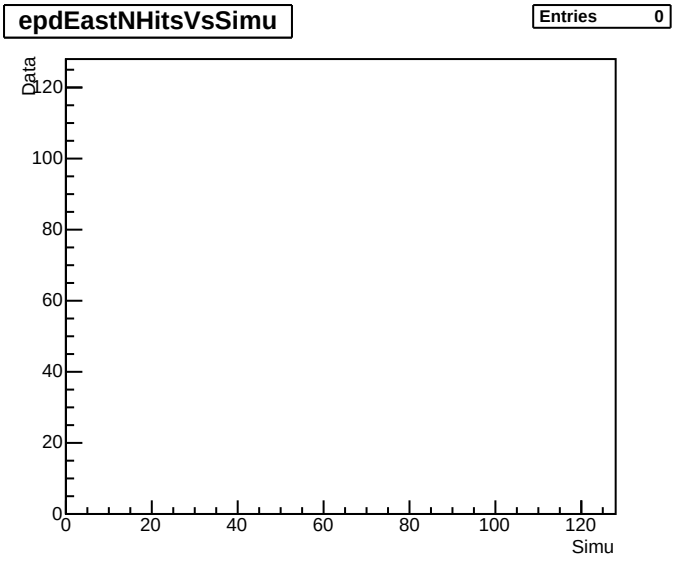
Entries 0
Data
Simu


epdEastTac47
Entries 388556


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 388556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Data
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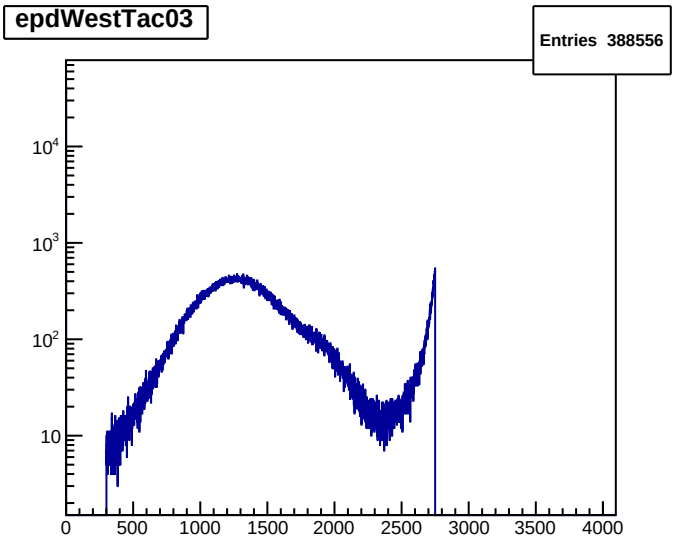
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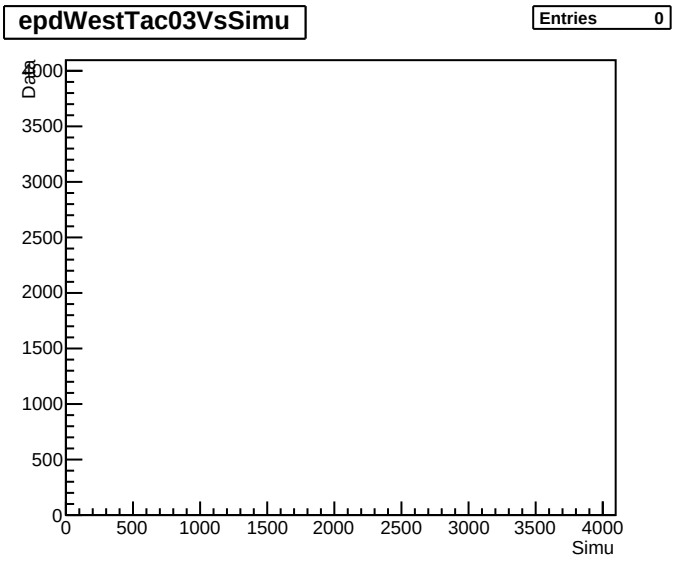
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Entries 0
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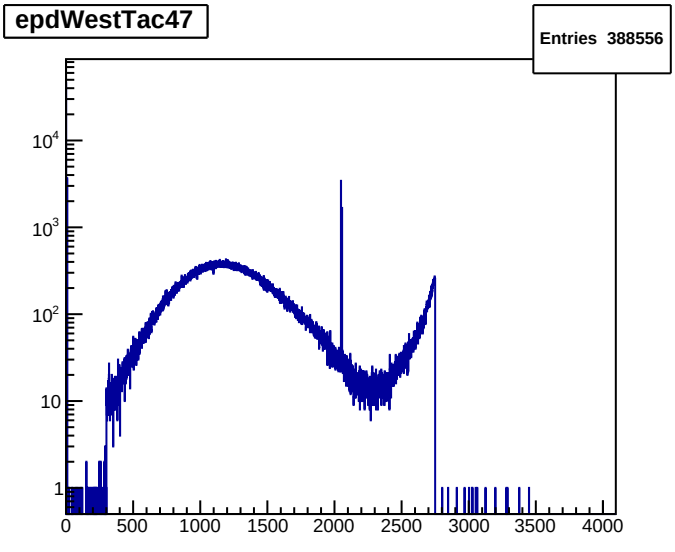
Simu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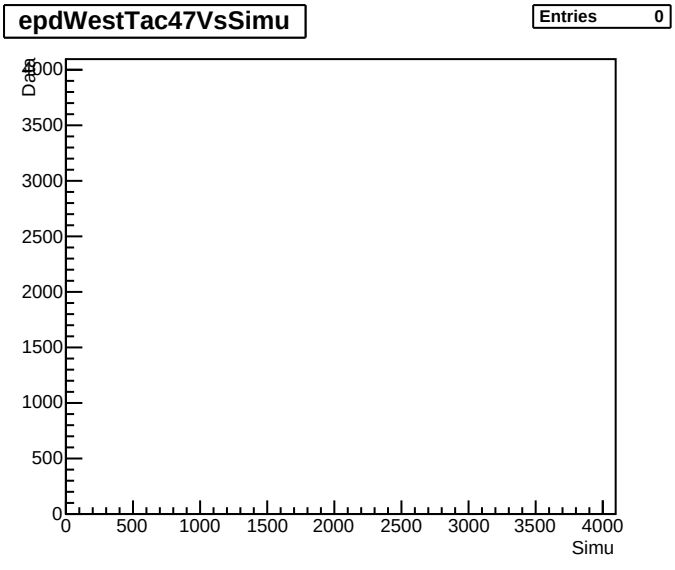
Entries 388556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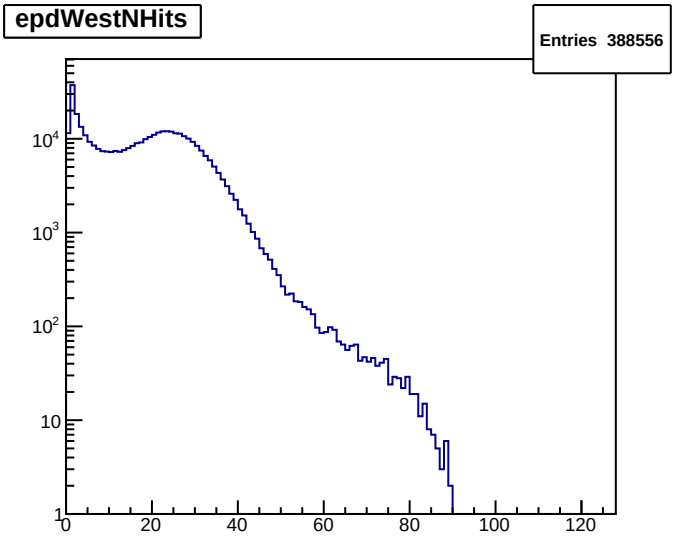
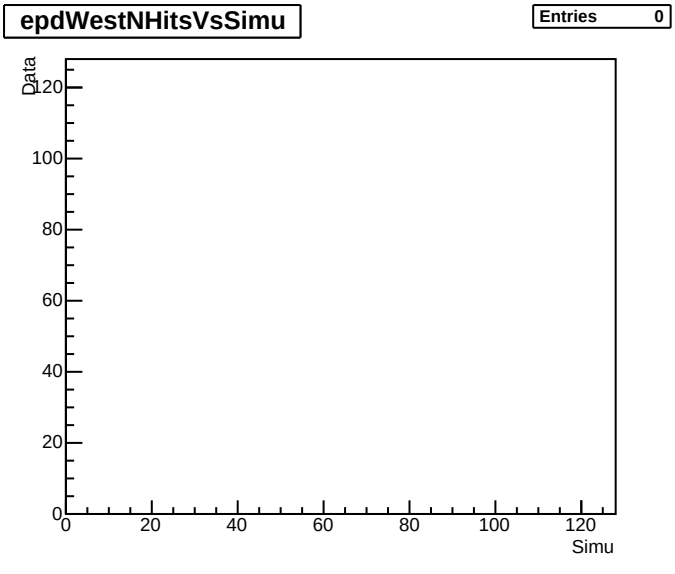
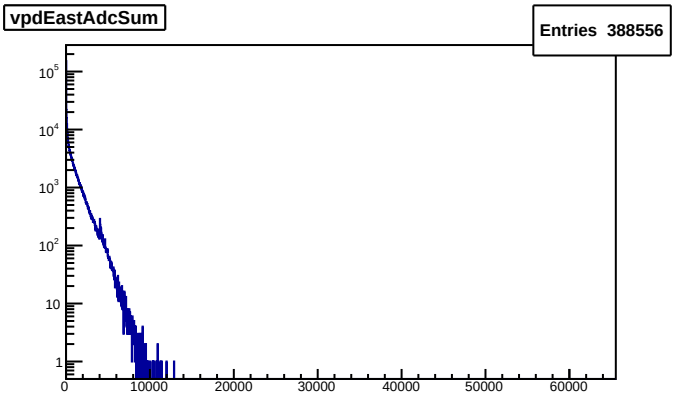
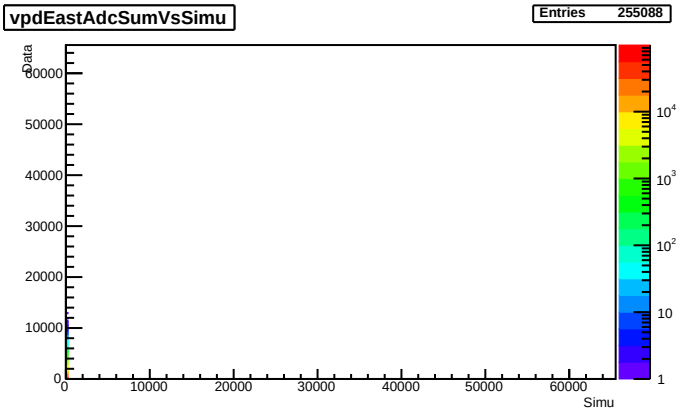
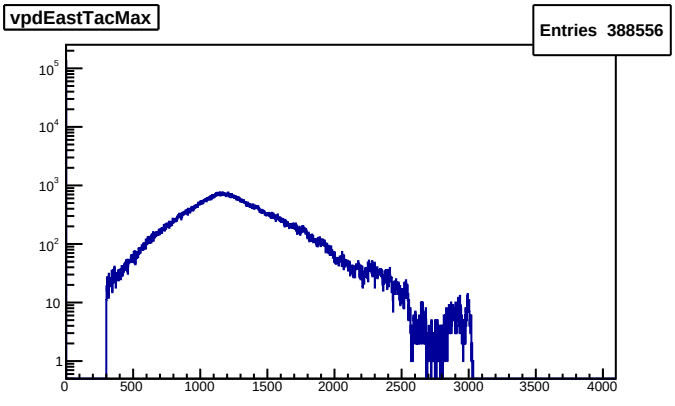
Entries 0
Data
Simu

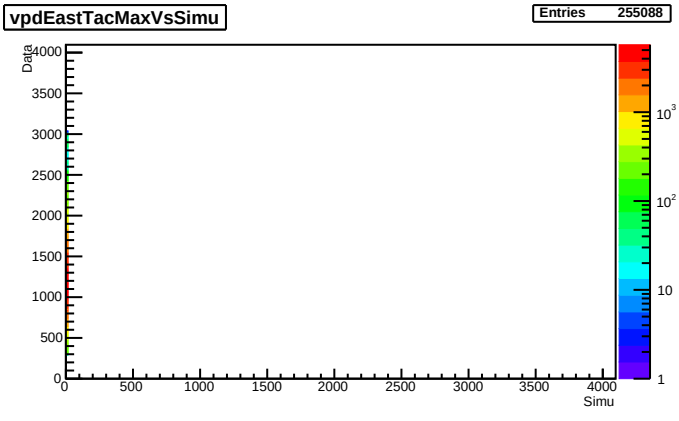

epdWestNHits
Entries 388556

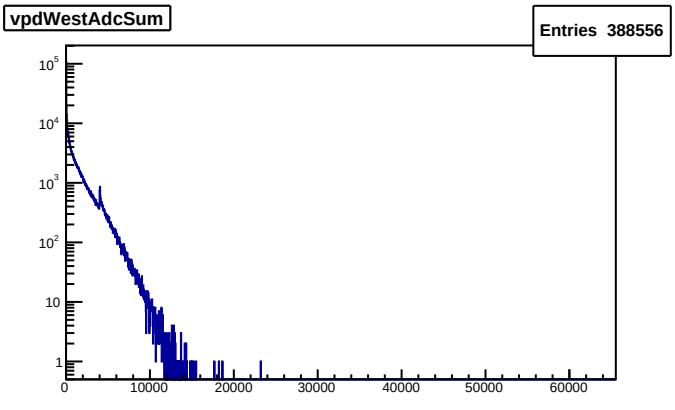

epdWestNHitsVsSimu
Entries 0
Data
Simu

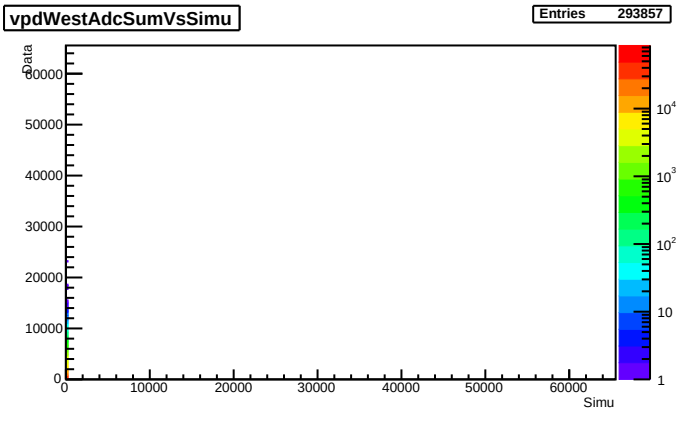

vpdEastAdcSum
Entries 388556

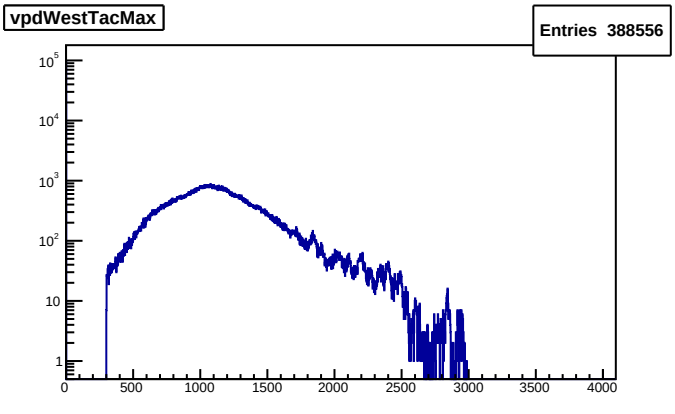

vpdEastAdcSumVsSimu
Entries 255088
Data
Simu

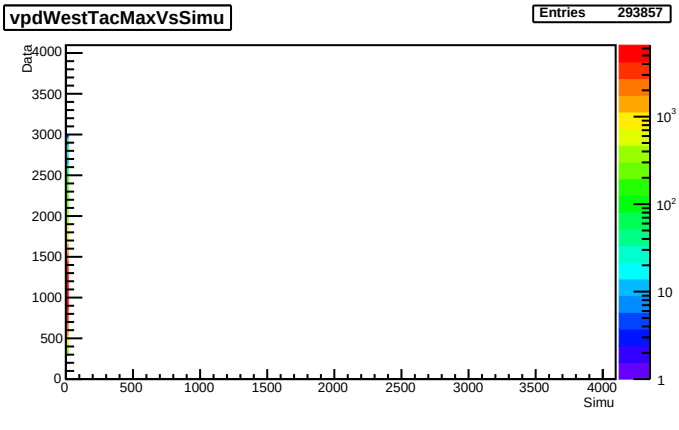

vpdEastTacMax
Entries 388556

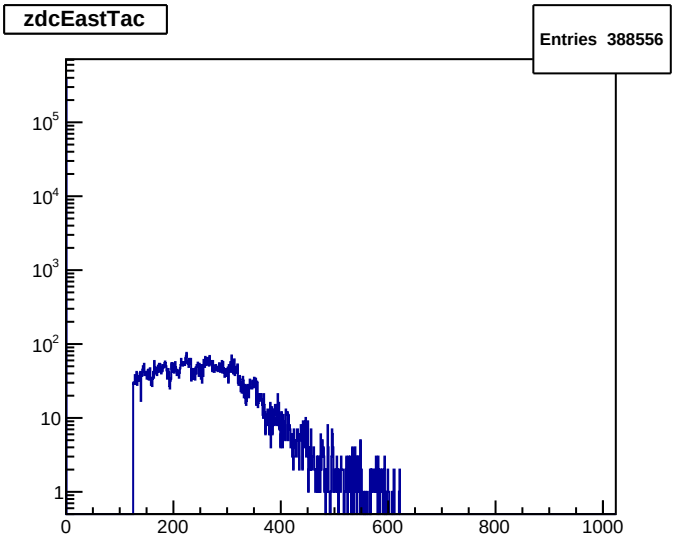

vpdEastTacMaxVsSimu
Entries 255088
Data
Simu

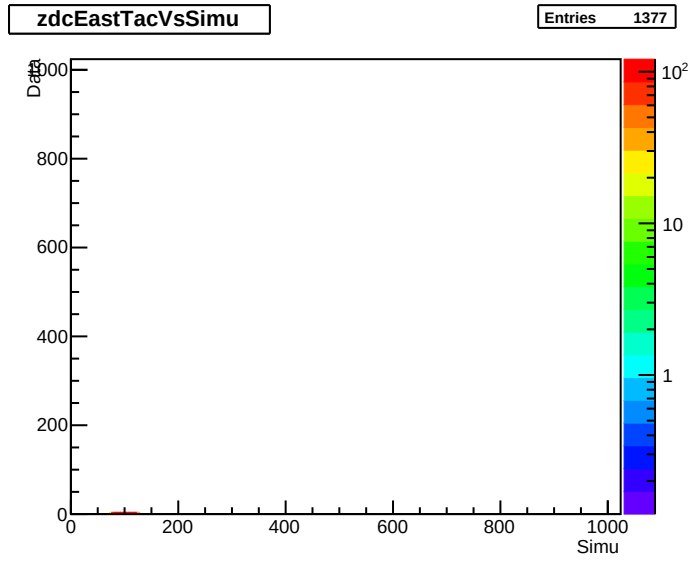

vpdWestAdcSum
Entries 388556

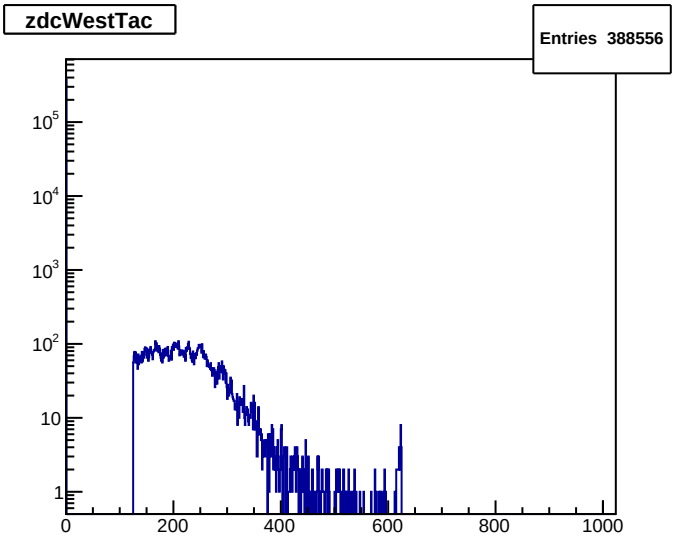

vpdWestAdcSumVsSimu
Entries 293857
Data
Simu

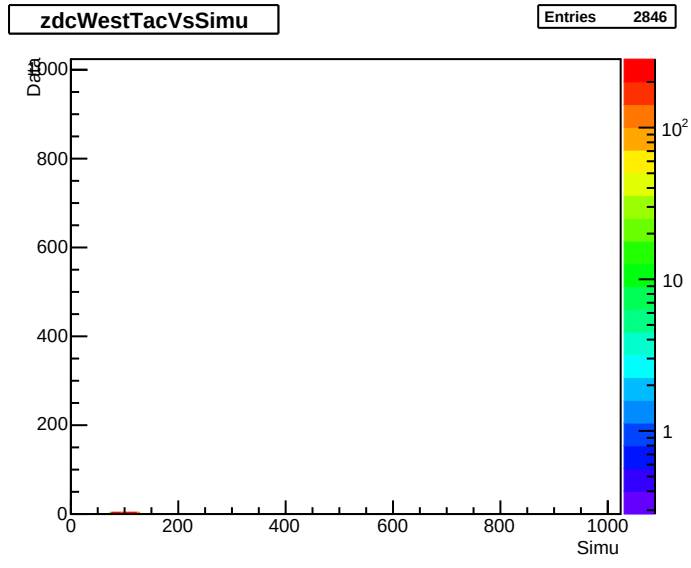

vpdWestTacMax
Entries 388556

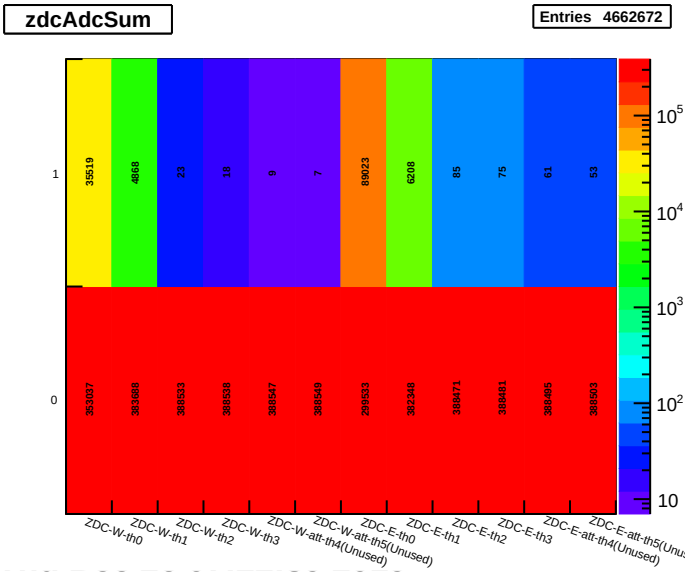

vpdWestTacMaxVsSimu
Entries 293857
Data
Simu

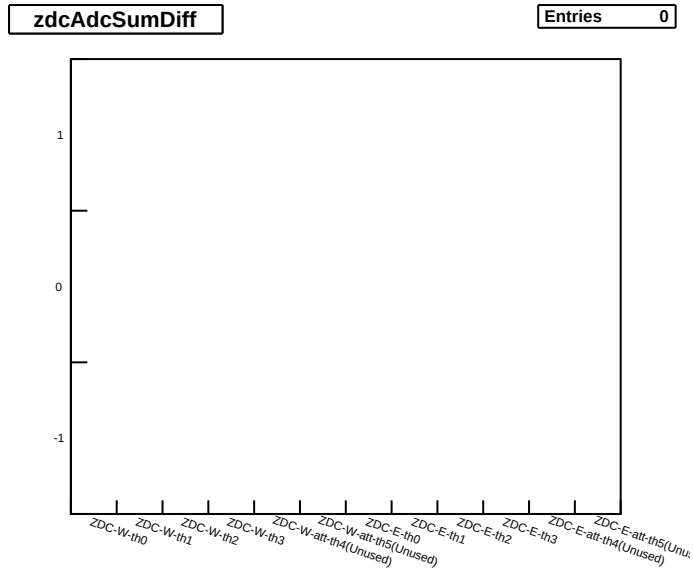

zdcEastTac
Entries 388556

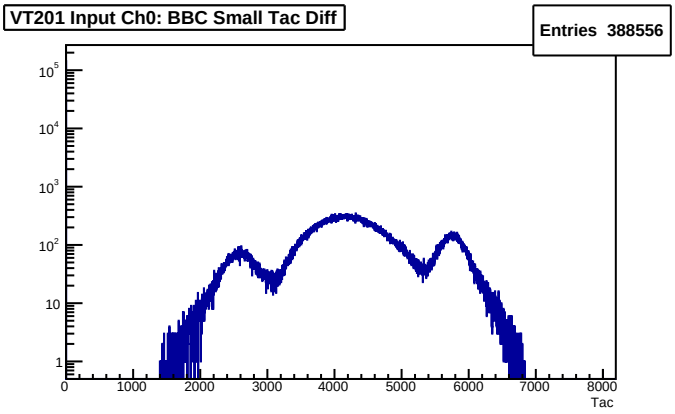

zdcEastTacVsSimu
Entries 1377
Data
Simu

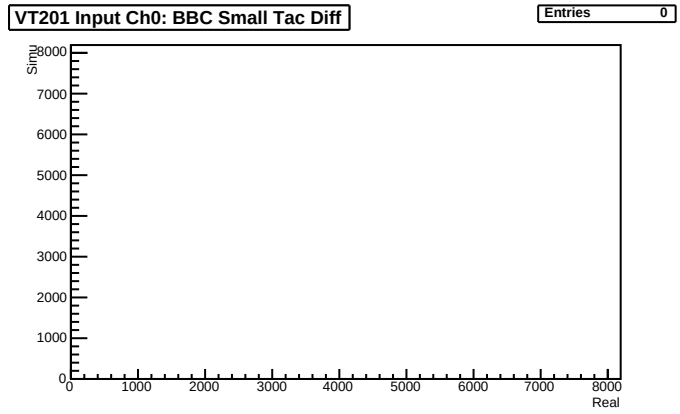

zdcWestTac
Entries 388556

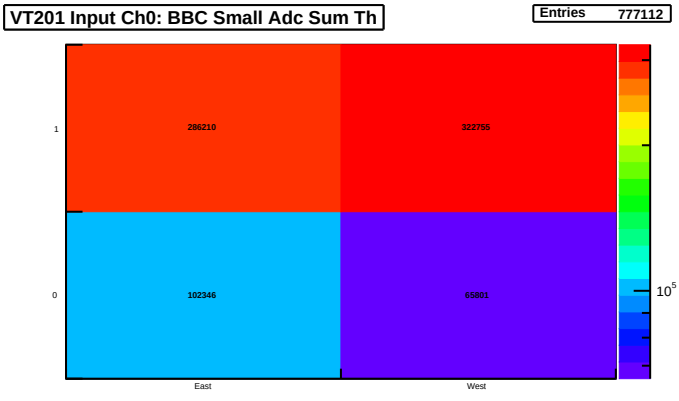

zdcWestTacVsSimu
Entries 2846
Data
Simu

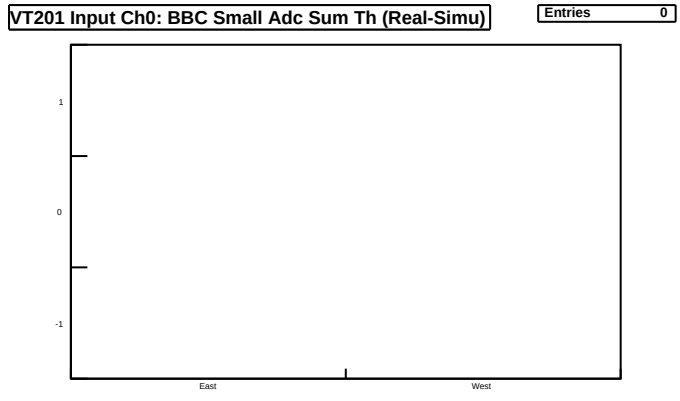

zdcAdcSum
Entries 4662672
35519
4868
23
18
9
7
89023
6208
85
75
61
53
353037
383688
388533
388538
388547
388549
299533
382346
388471
388481
388495
388503
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

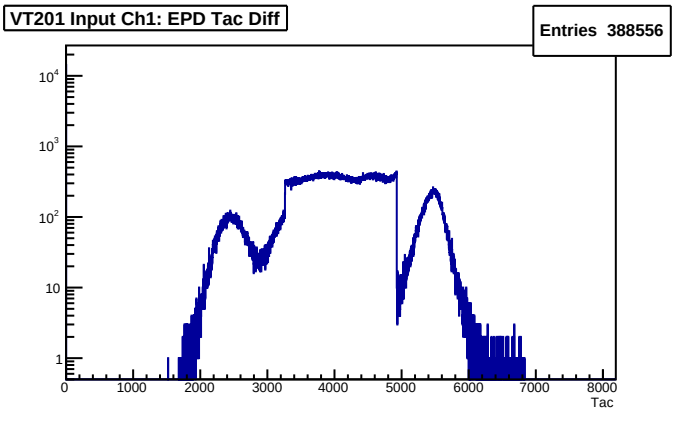

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

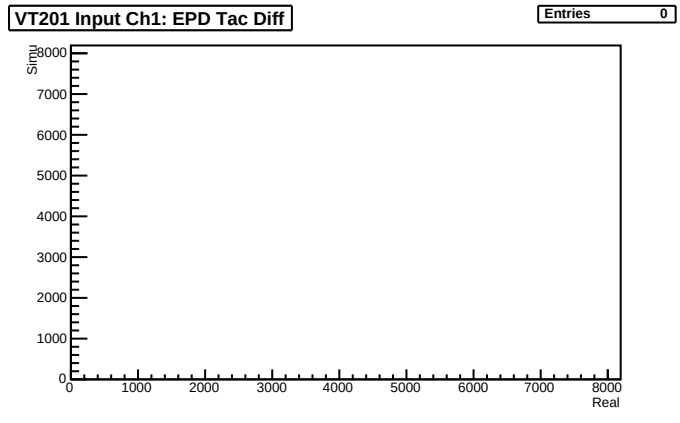

VT201 Input Ch0: BBC Small Tac Diff
Entries 388556
Tac

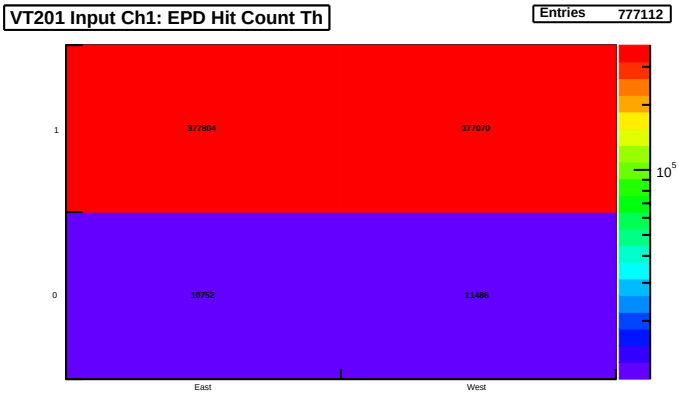

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

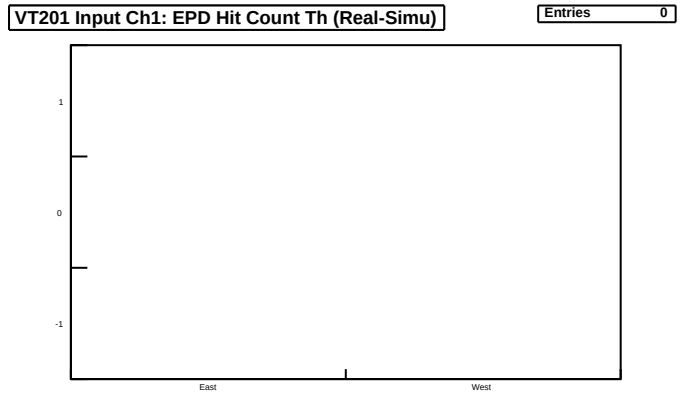

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 777112
286210
322755
102346
65801
East
West

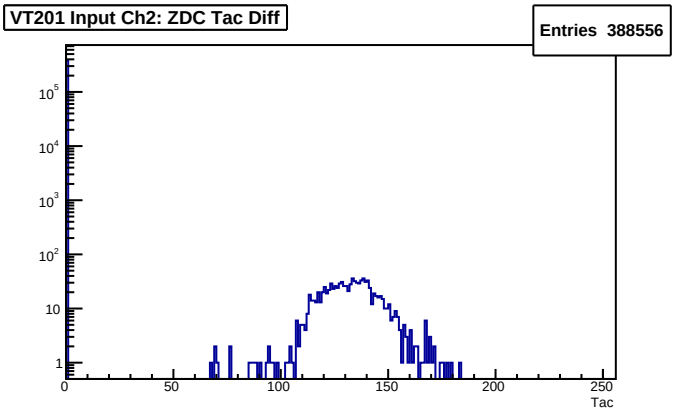

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

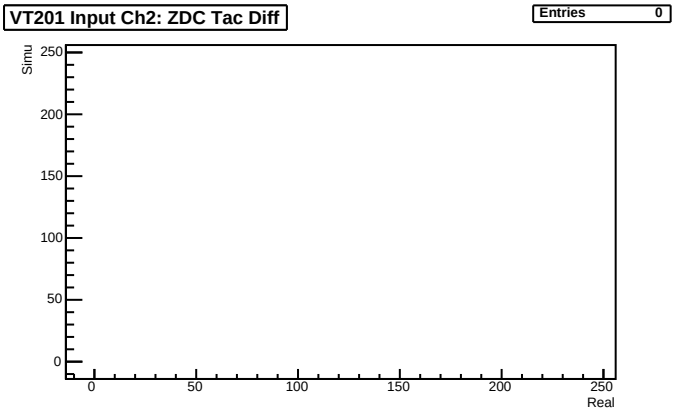

VT201 Input Ch1: EPD Tac Diff
Entries 388556
Tac

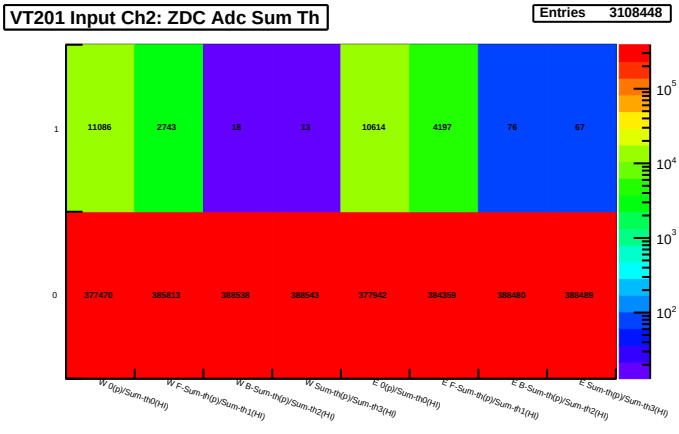

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

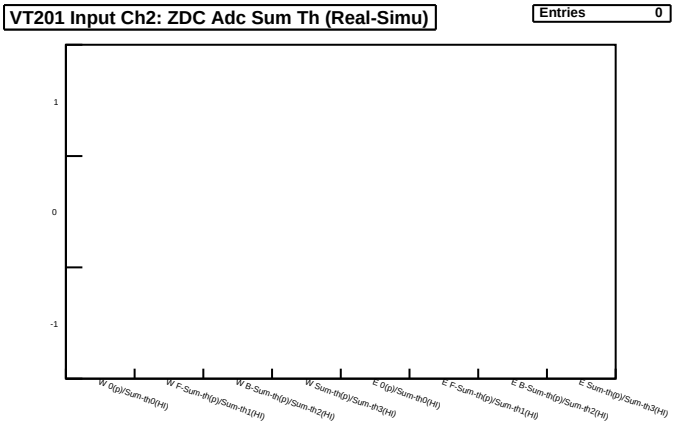

VT201 Input Ch1: EPD Hit Count Th
Entries 777112
377804
377070
10752
11486
East
West

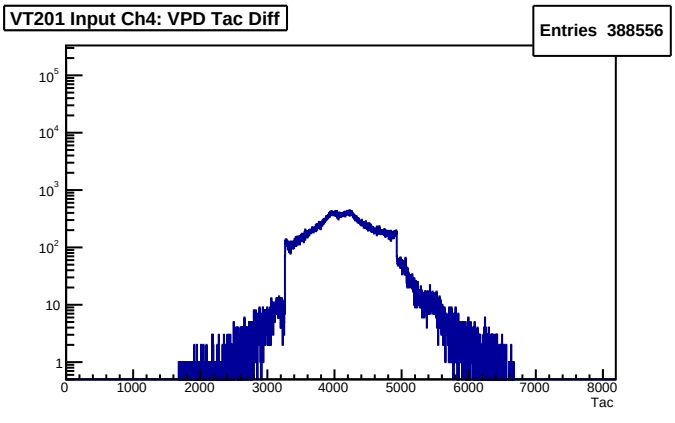

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

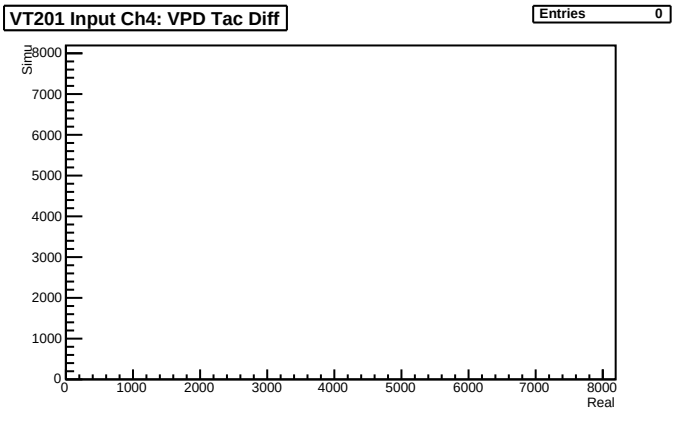

VT201 Input Ch2: ZDC Tac Diff
Entries 388556
Tac

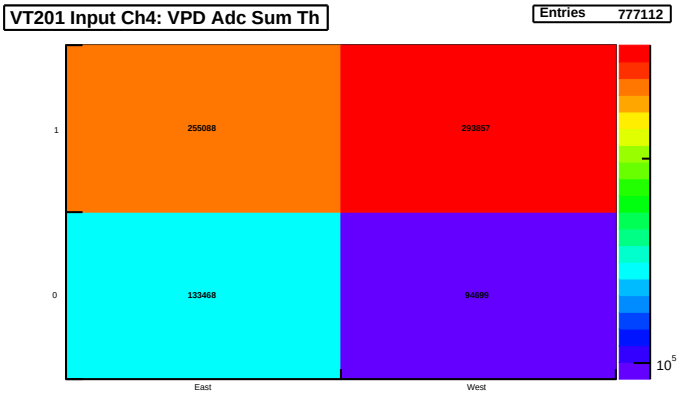

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

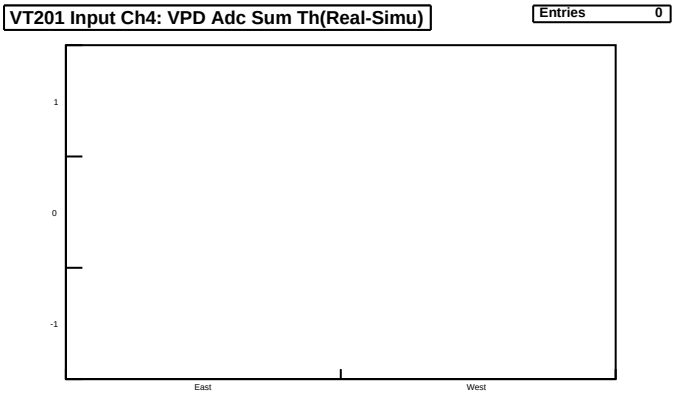

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3108448
11086
2743
18
13
10614
4197
76
67
377470
385813
388538
388543
377942
384359
388480
388489
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

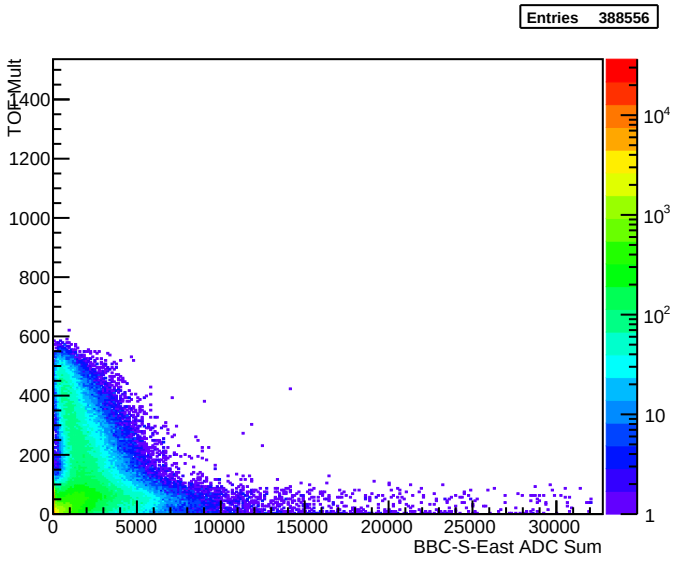

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

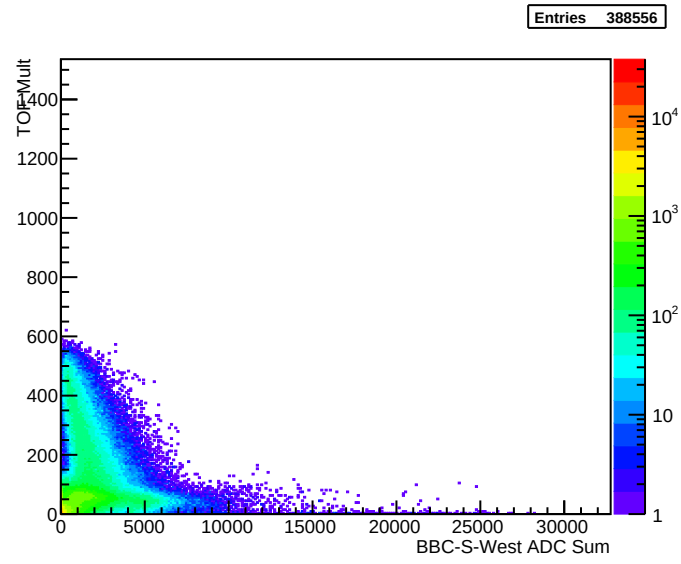

VT201 Input Ch4: VPD Tac Diff
Entries 388556
Tac

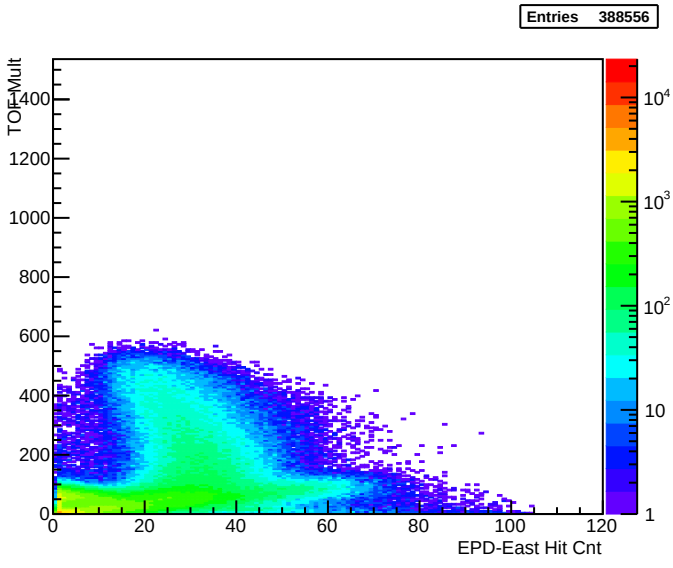

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

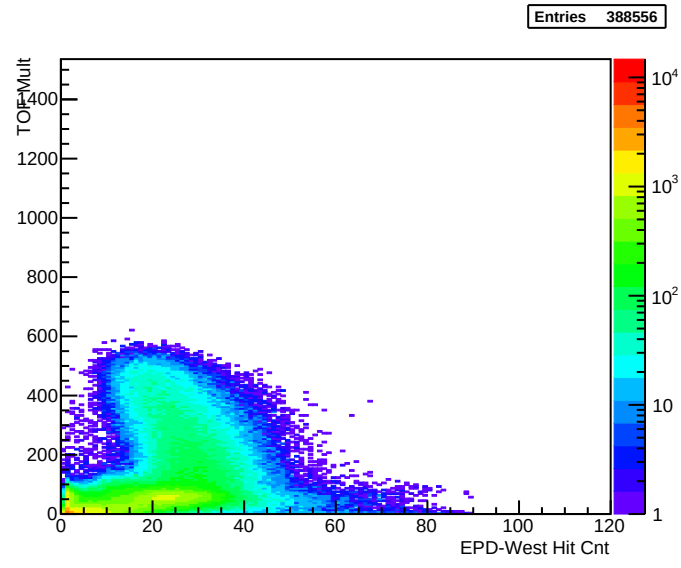

VT201 Input Ch4: VPD Adc Sum Th
Entries 777112
255088
293857
133468
94699
East
West

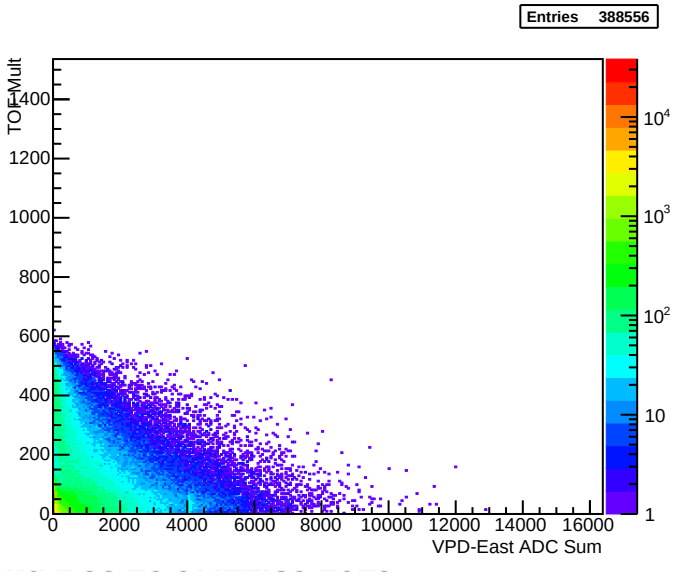

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

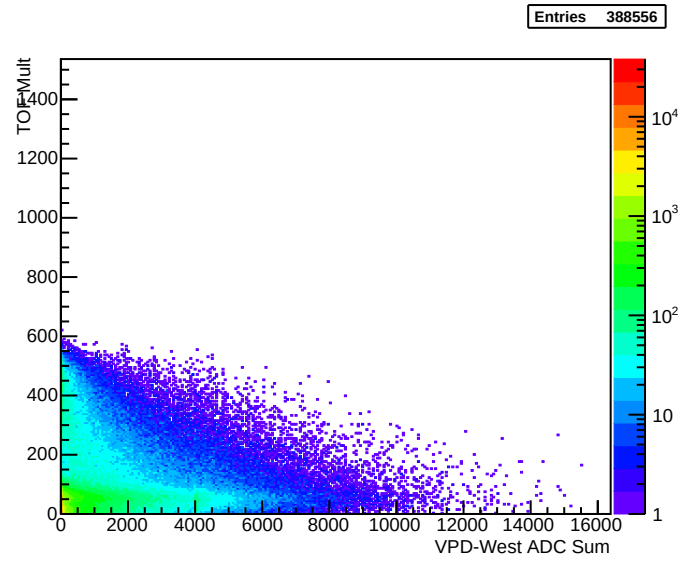

Entries 388556
TOF-Mult
BBC-S-East ADC Sum

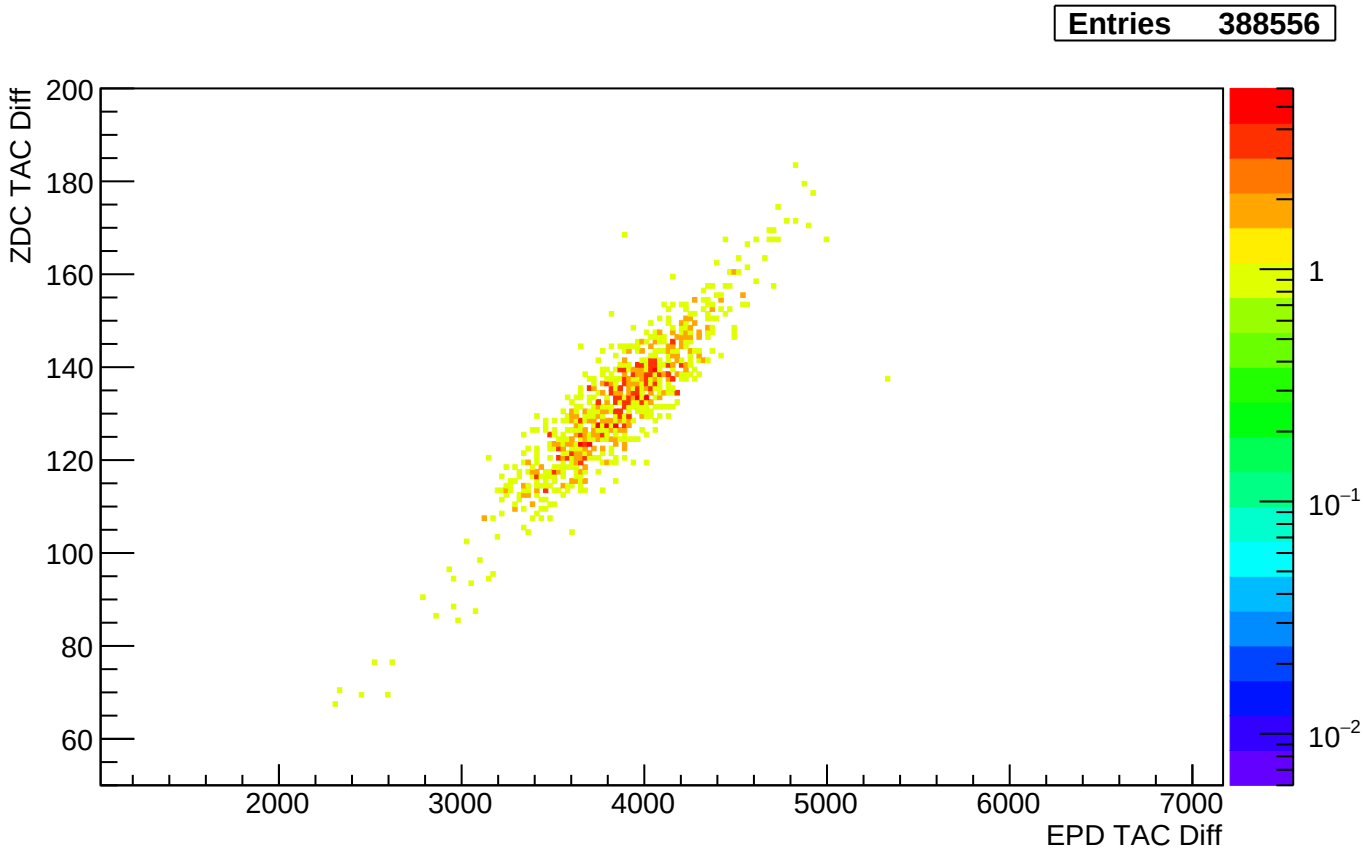

Entries 388556
TOF-Mult
BBC-S-West ADC Sum

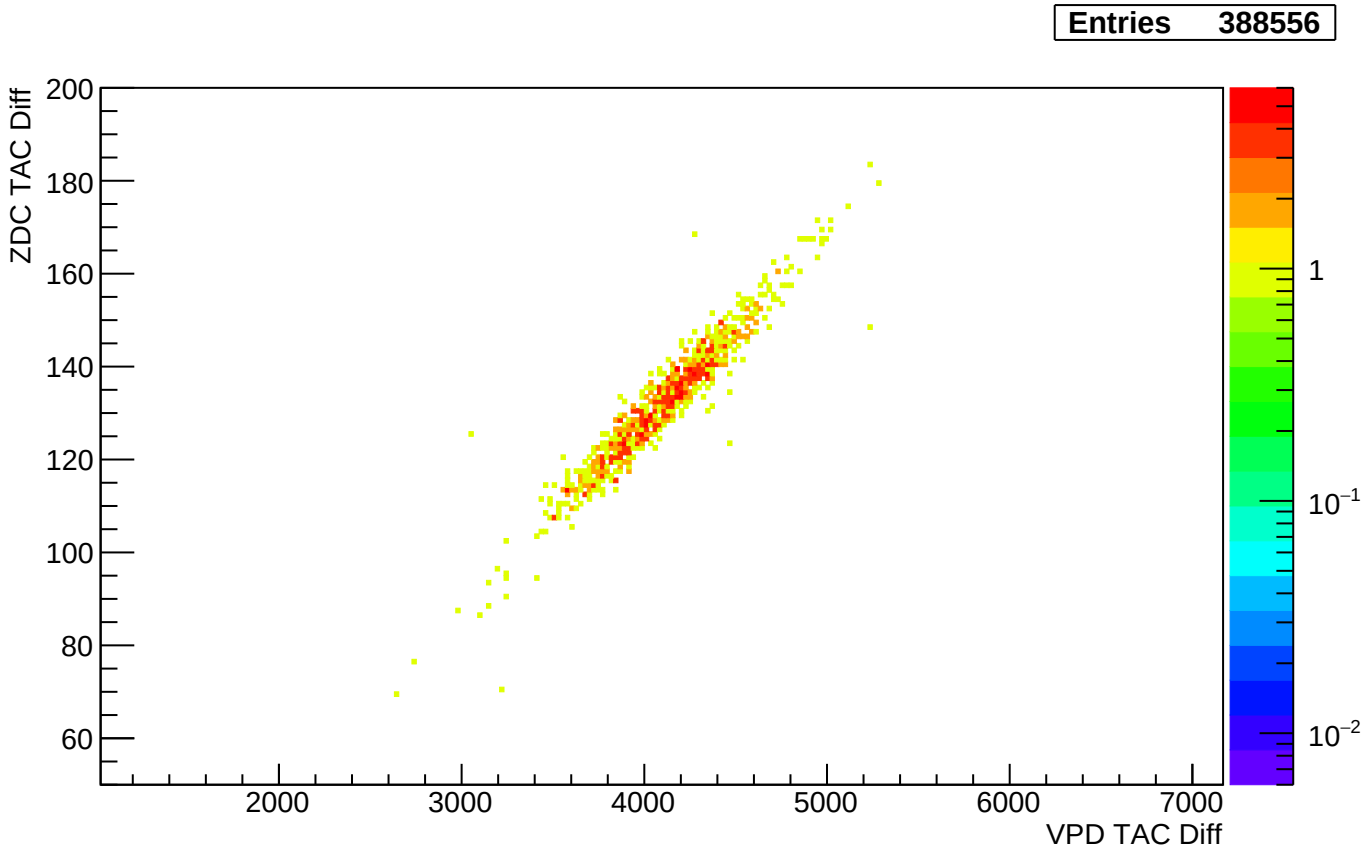

Entries 388556
TOF-Mult
EPD-East Hit Cnt

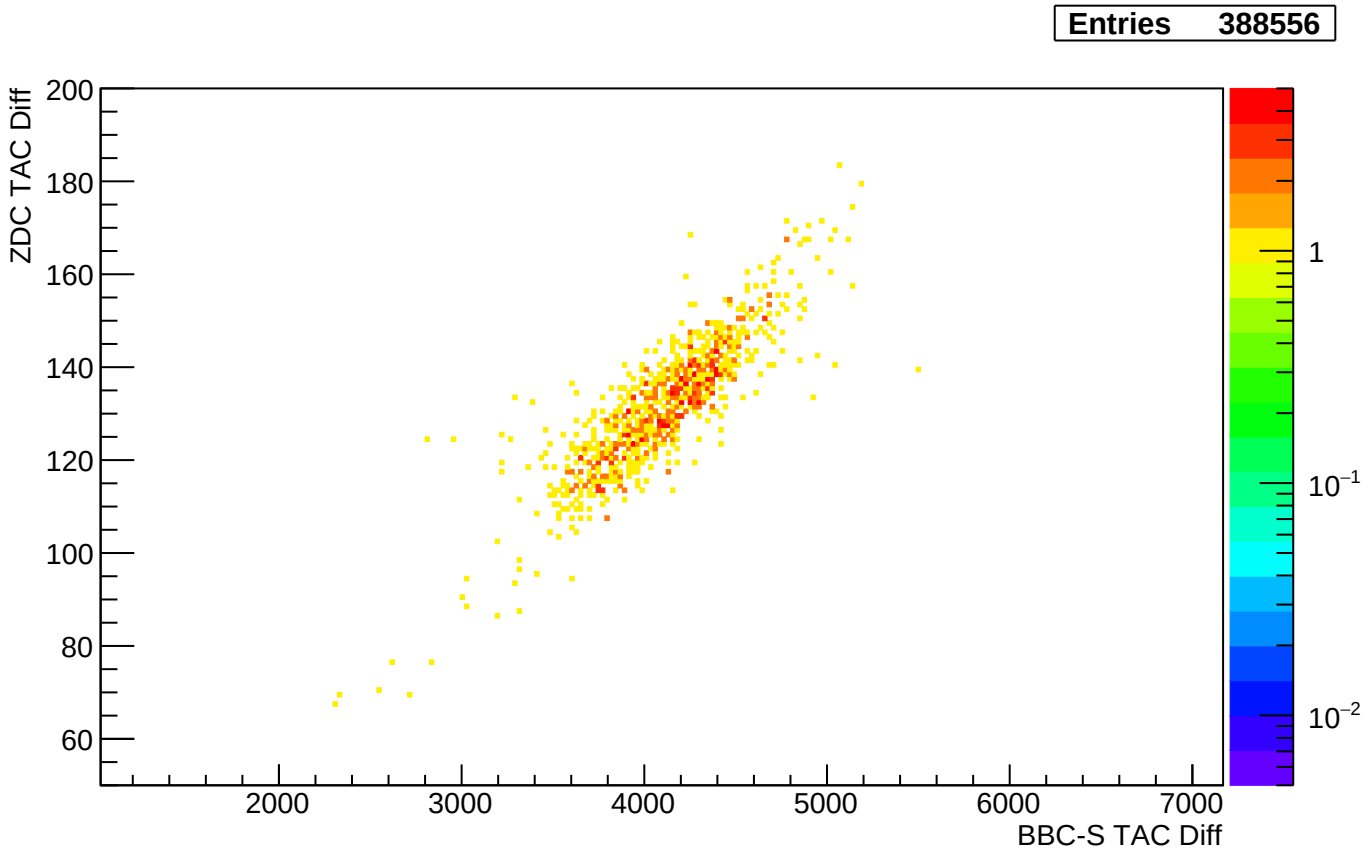

Entries 388556
TOF-Mult
EPD-West Hit Cnt

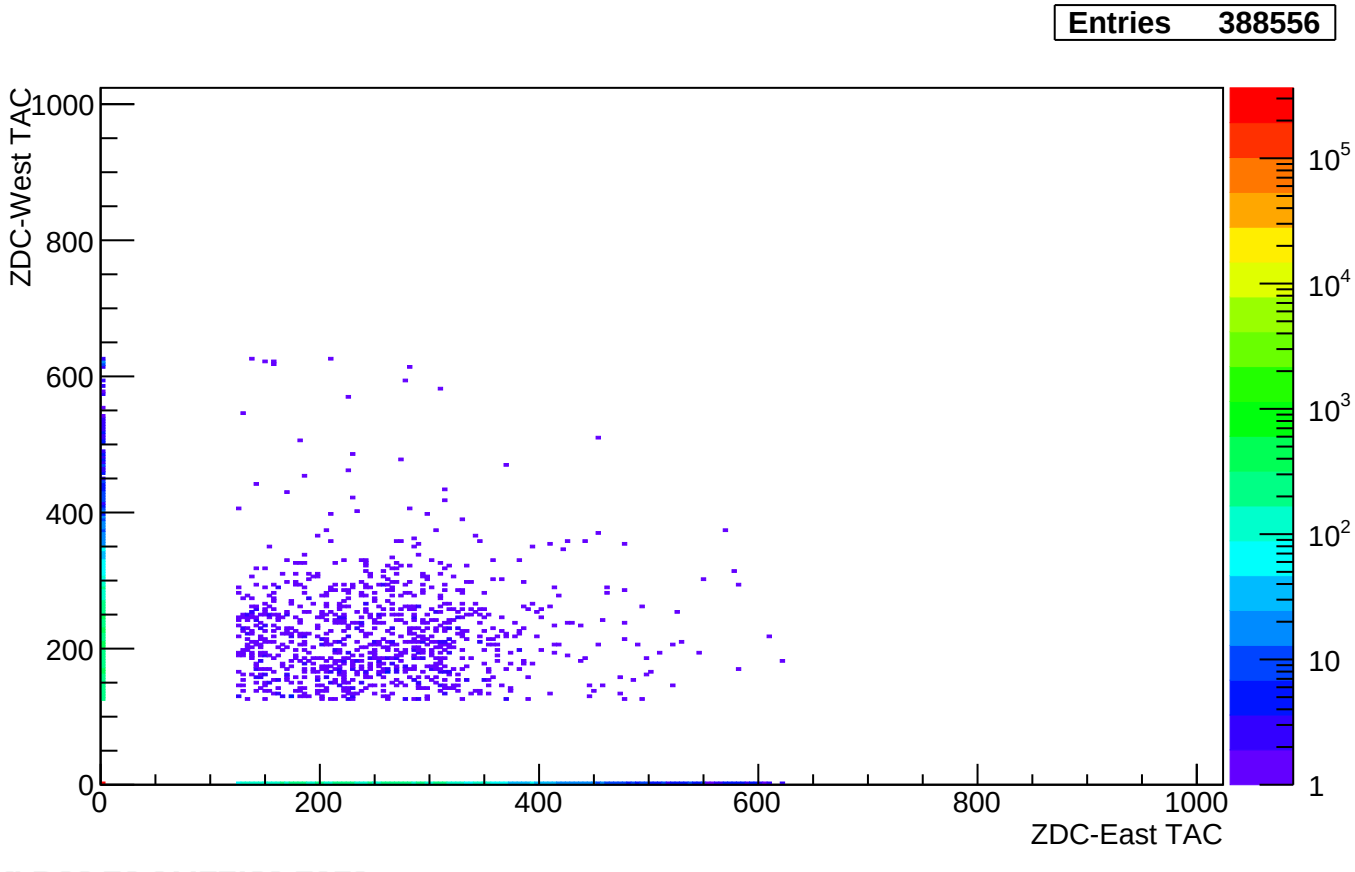

Entries 388556
TOF-Mult
VPD-East ADC Sum

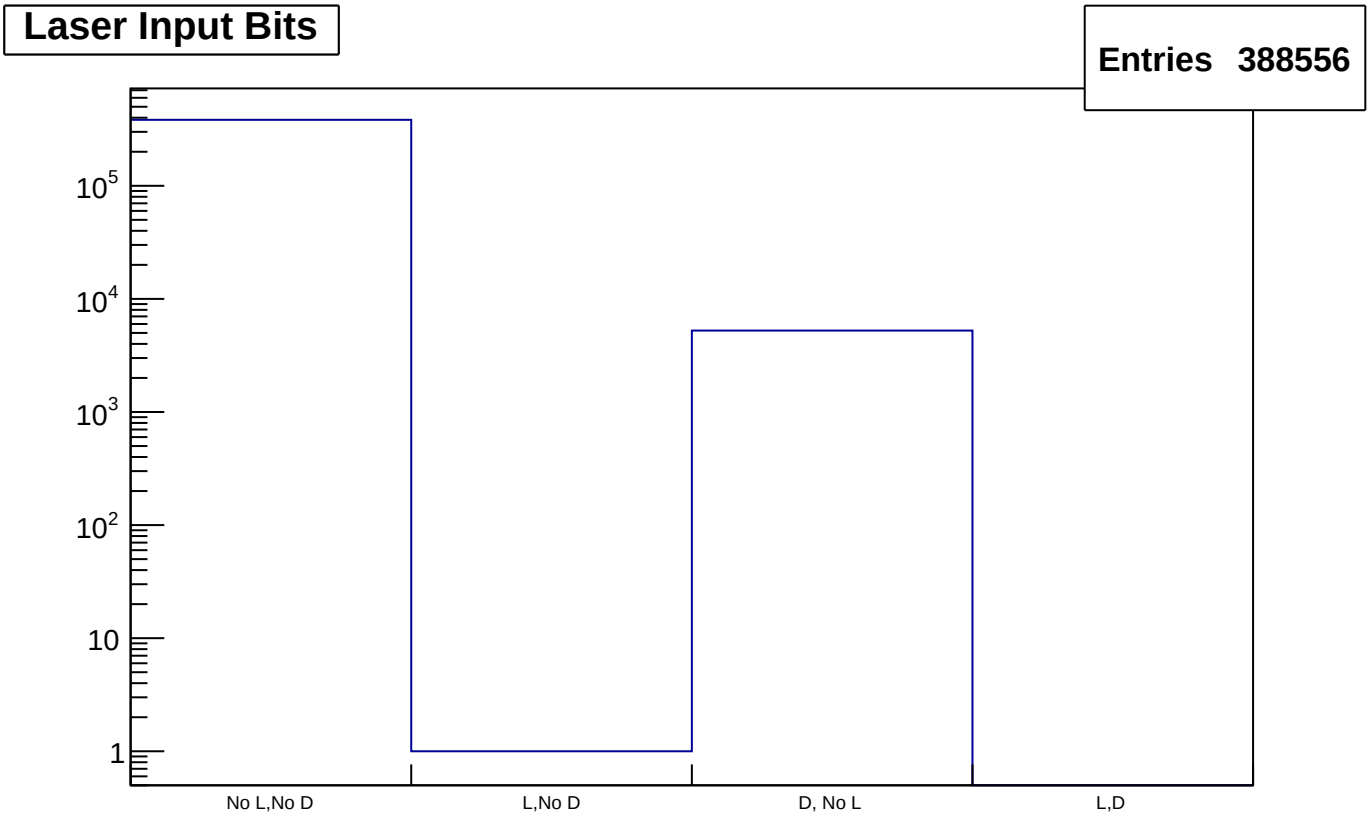

Entries 388556
TOF-Mult
VPD-West ADC Sum

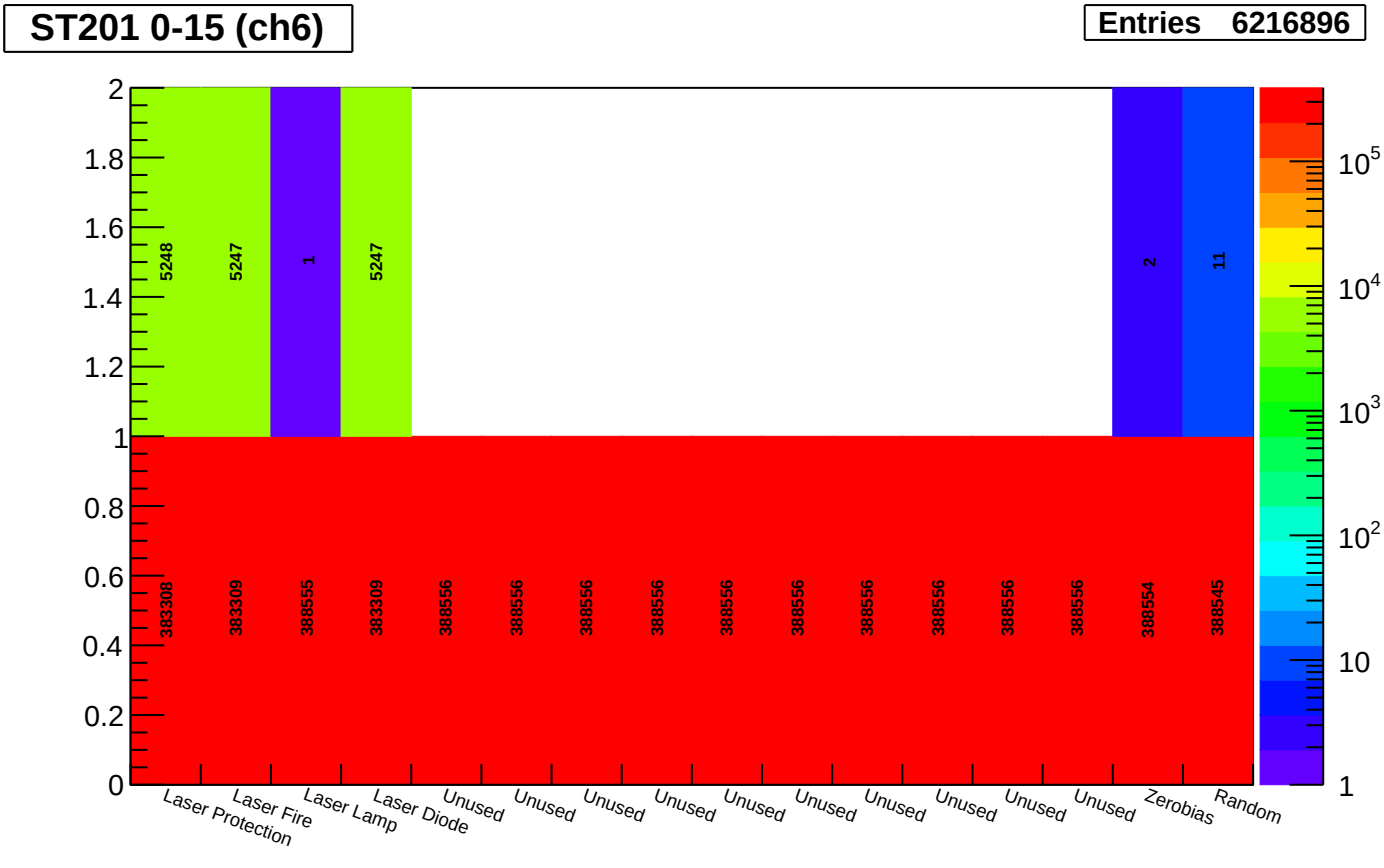

Entries 388556
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

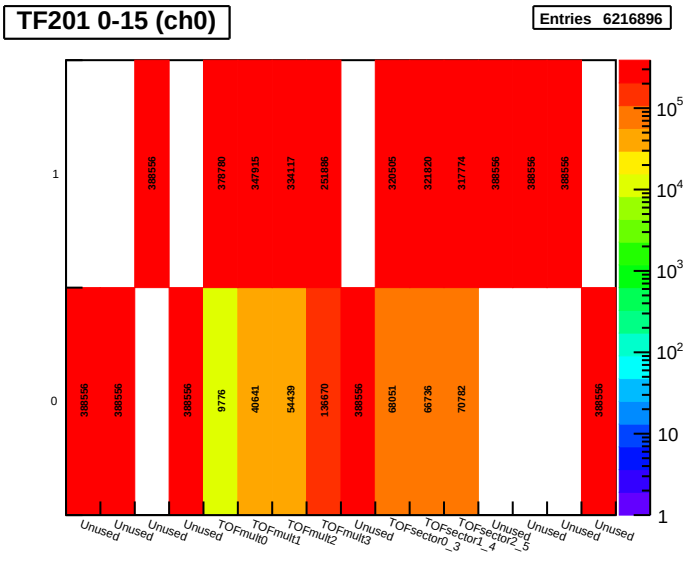

Entries 388556
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

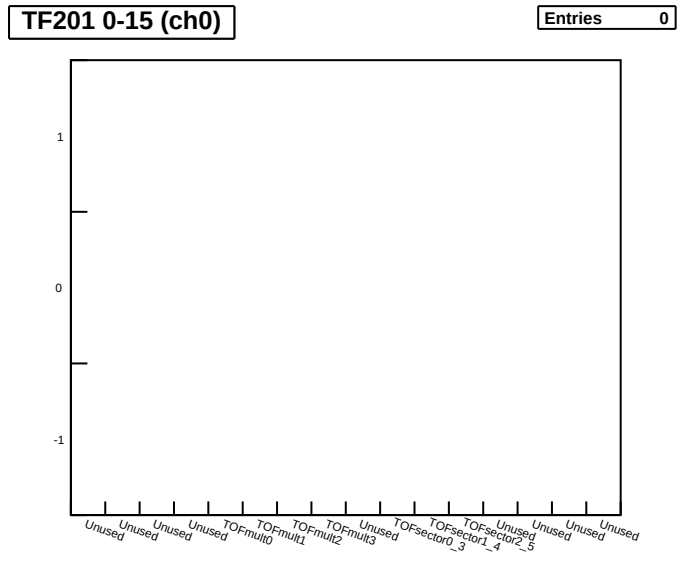

Entries 388556
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

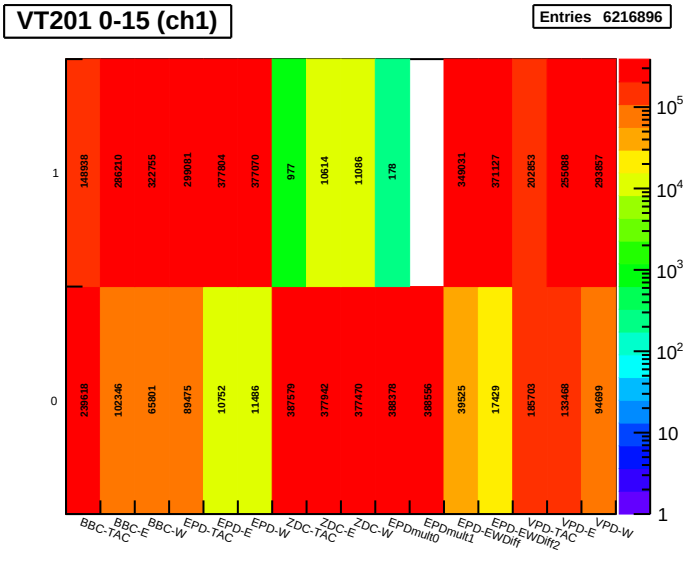

Entries 388556
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

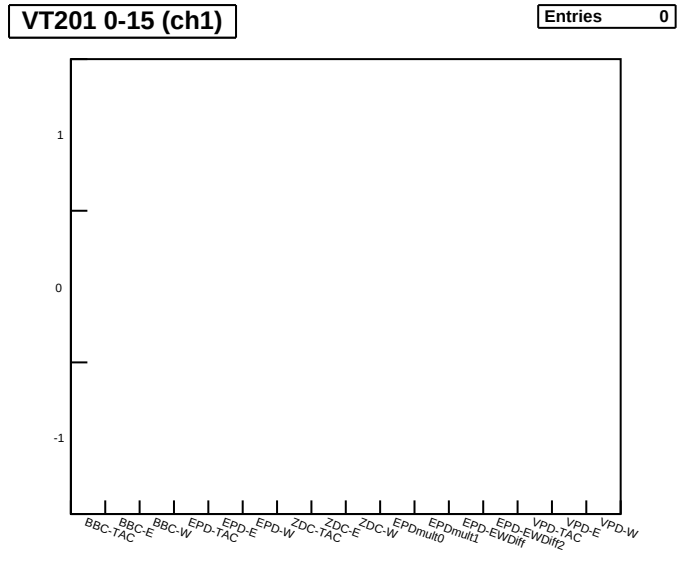

Laser Input Bits
Entries 388556
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

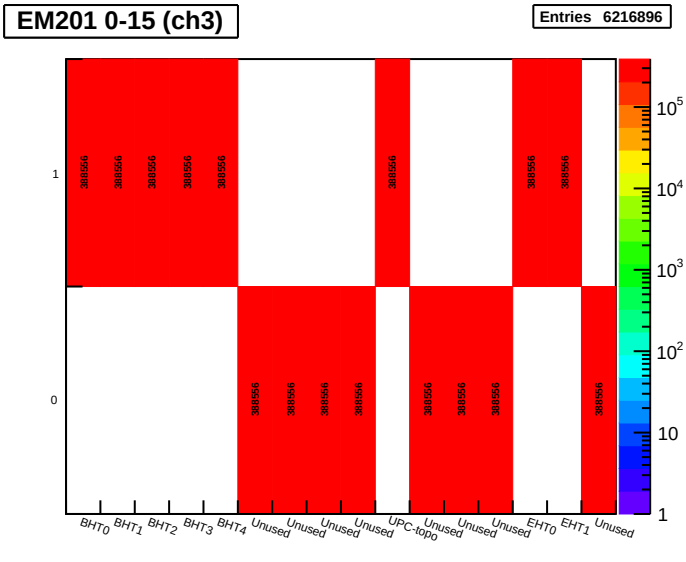

ST201 0-15 (ch6)
Entries 6216896
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5248
5247
1
5247
2
11
383308
383309
388555
383309
388556
388556
388556
388556
388556
388556
388556
388556
388556
388556
388554
388545
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

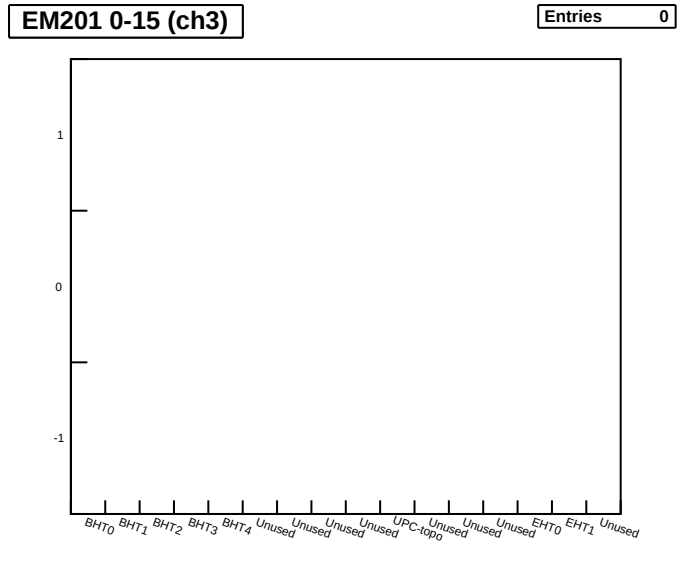

TF201 0-15 (ch0)
Entries 6216896
1
0
388556 388556 388556 388556 388556 376780 347915 334117 251886 388556 388556 388556 388556 388556 388556 388556
388556 388556 388556 9776 40641 54439 136670 388556 68051 66736 70782 388556
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^5 10^4 10^3 10^2 10 1


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


VT201 0-15 (ch1)
Entries 6216896
1
0
148938 286210 322755 299081 377804 377070 977 10614 11086 178 349031 371127 202853 255088 293857
238618 102346 65801 89475 10752 11486 387579 377942 377470 388378 388556 39525 17429 185703 133468 94699
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W
10^5 10^4 10^3 10^2 10 1


VT201 0-15 (ch1)
Entries 0
1
0
-1
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W


EM201 0-15 (ch3)
Entries 6216896
1
0
388556 388556 388556 388556 388556 388556 388556
388556 388556 388556 388556 388556 388556 388556 388556
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
10^5 10^4 10^3 10^2 10 1


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