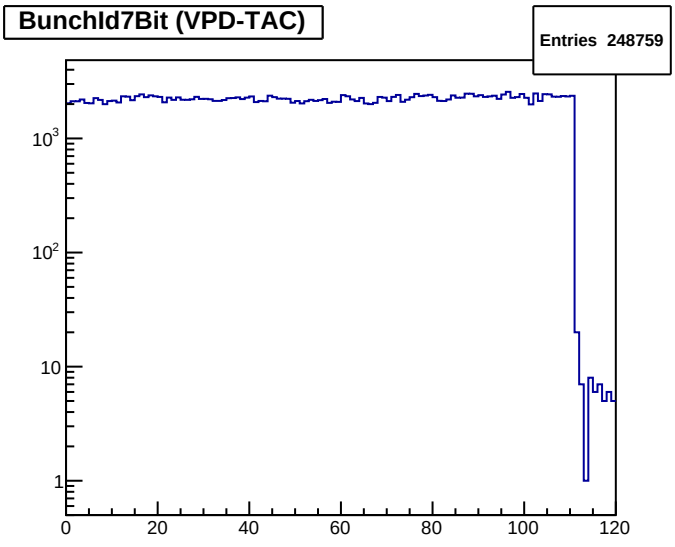
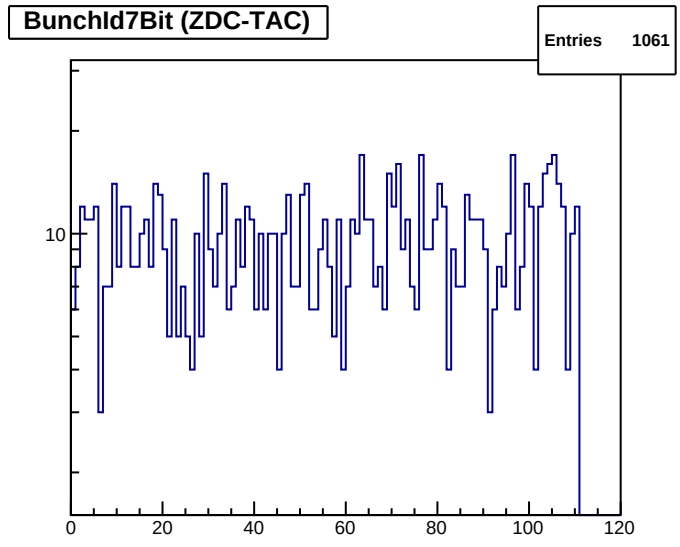
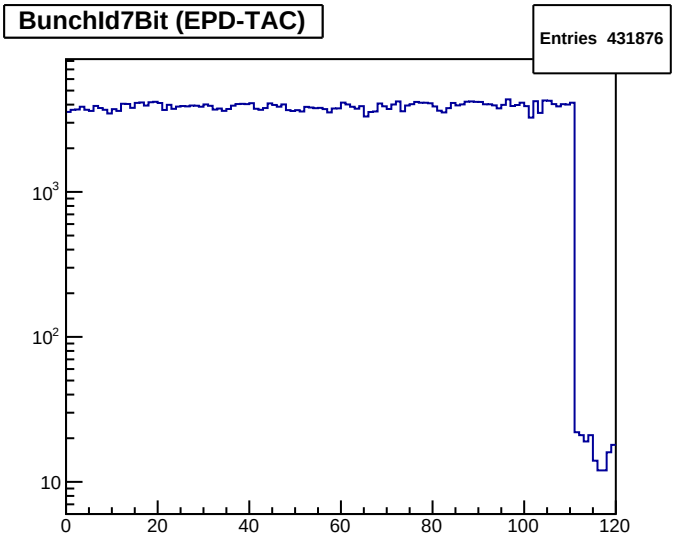
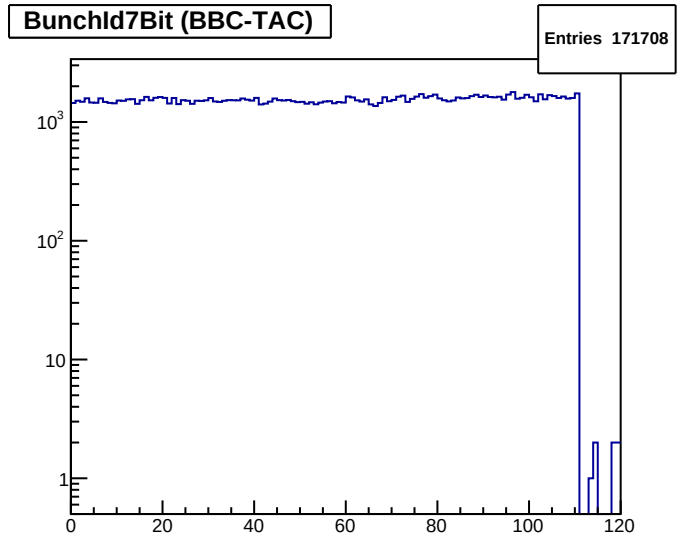
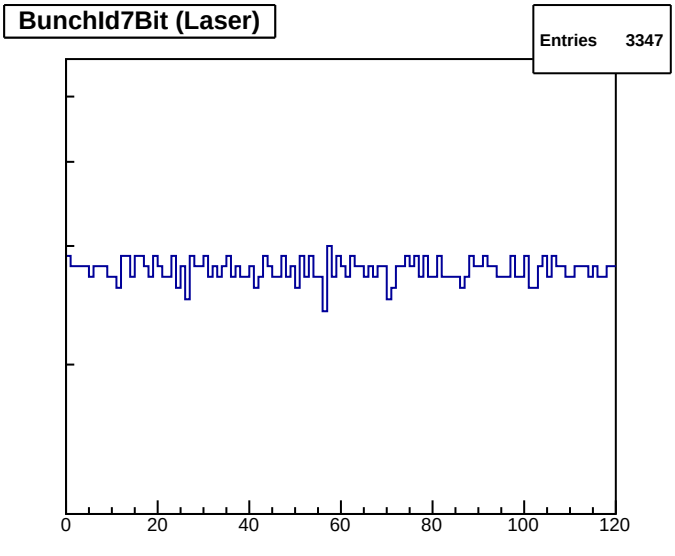
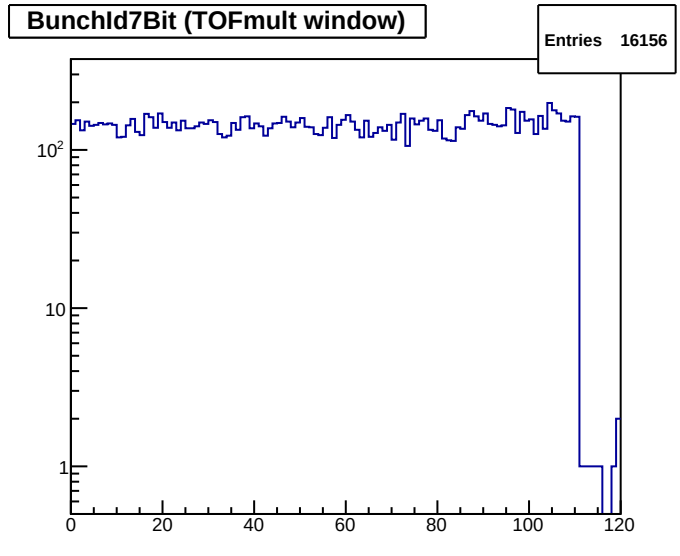

BunchId7Bit (VPD-TAC)
Entries 248759
10^3
10^2
10
1
0
20
40
60
80
100
120

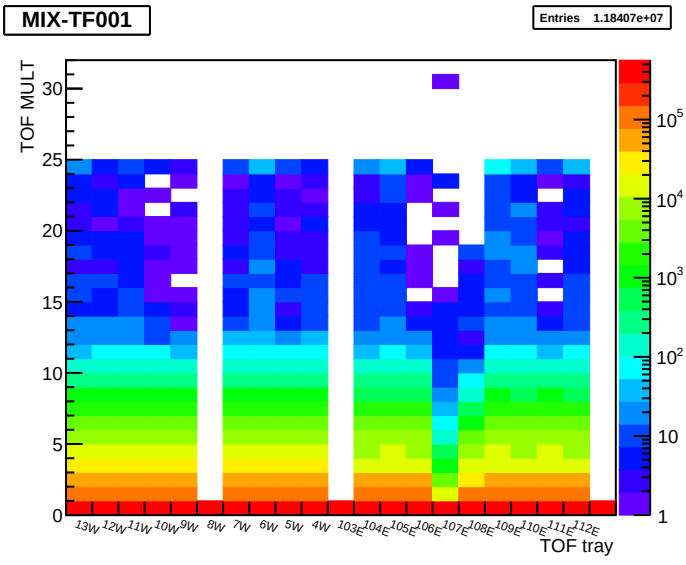

BunchId7Bit (ZDC-TAC)
Entries 1061
10
0
20
40
60
80
100
120

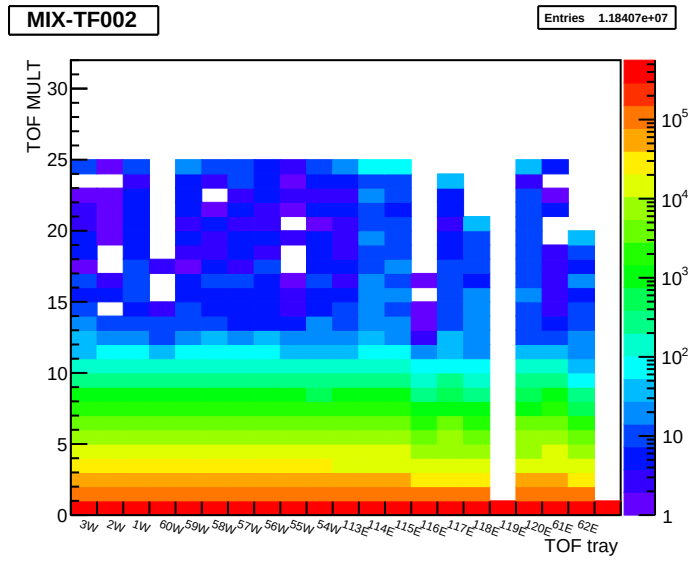

BunchId7Bit (EPD-TAC)
Entries 431876
10^3
10^2
10
0
20
40
60
80
100
120

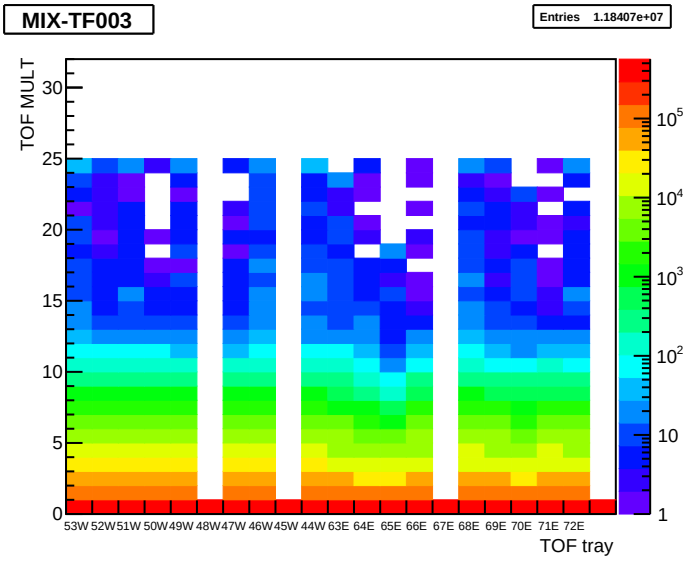

BunchId7Bit (BBC-TAC)
Entries 171708
10^3
10^2
10
1
0
20
40
60
80
100
120

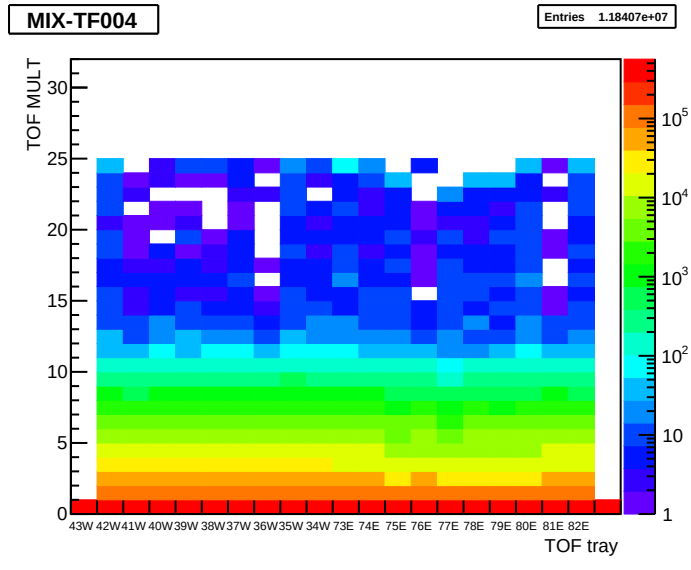

BunchId7Bit (Laser)
Entries 3347
0
20
40
60
80
100
120

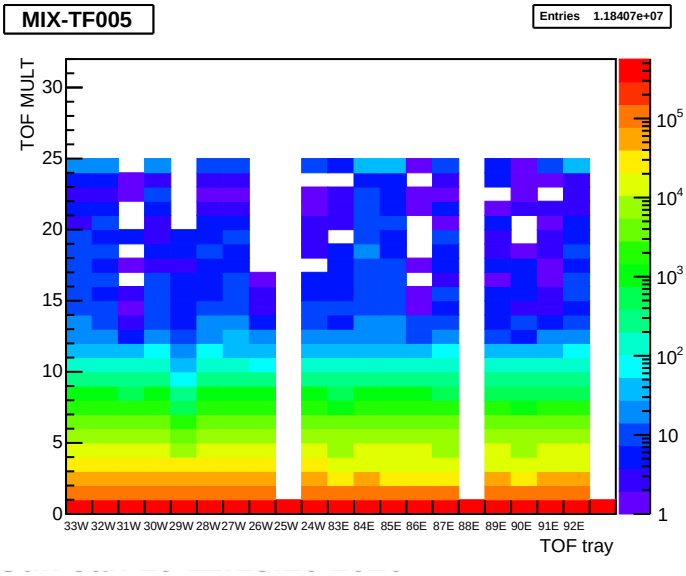

BunchId7Bit (TOFmult window)
Entries 16156
10^2
10
1
0
20
40
60
80
100
120

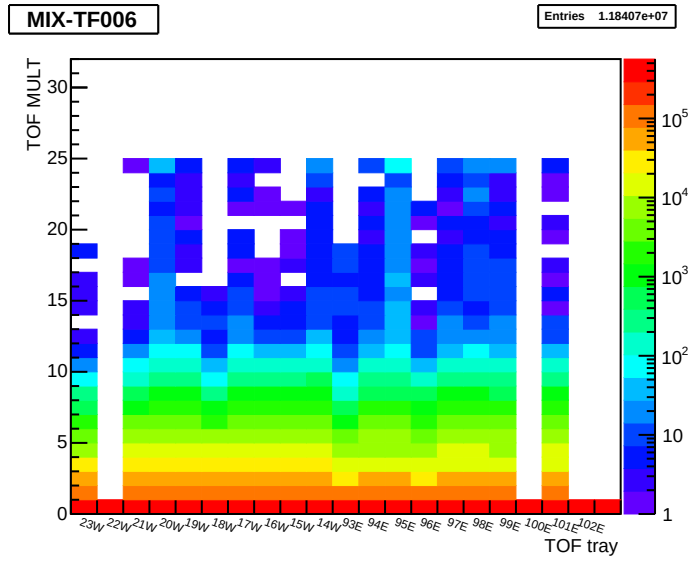

MIX-TF001
Entries 1.18407e+07
TOF MULT
TOF tray

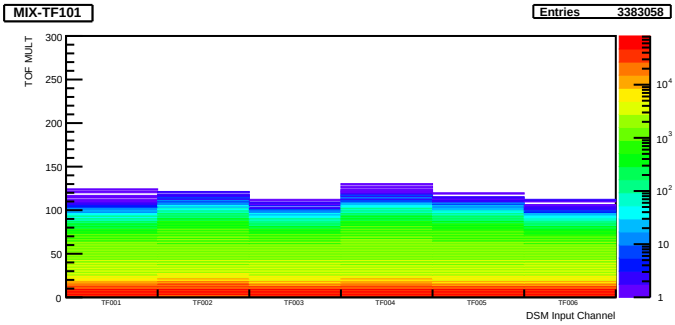

MIX-TF002
Entries 1.18407e+07
TOF MULT
TOF tray

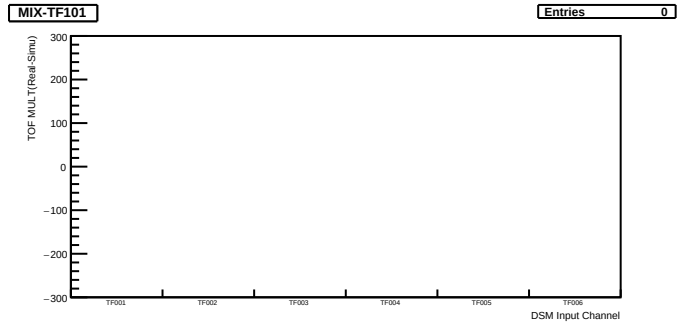

MIX-TF003
Entries 1.18407e+07
TOF MULT
TOF tray

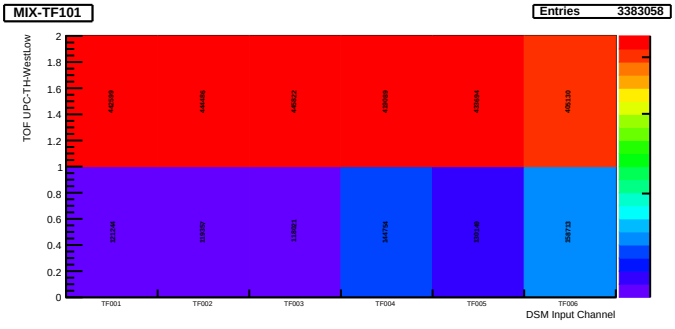

MIX-TF004
Entries 1.18407e+07
TOF MULT
TOF tray

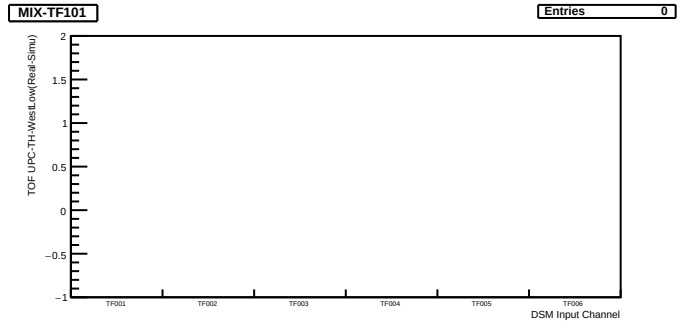

MIX-TF005
Entries 1.18407e+07
TOF MULT
TOF tray

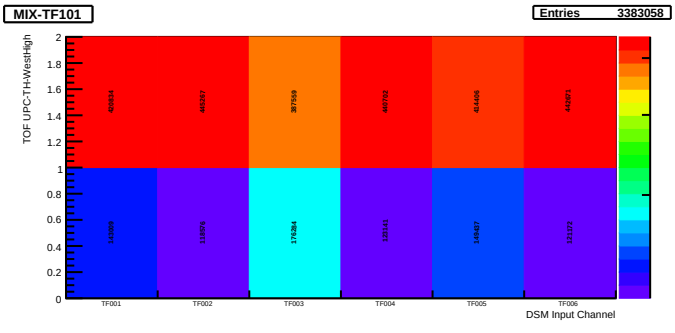

MIX-TF006
Entries 1.18407e+07
TOF MULT
TOF tray

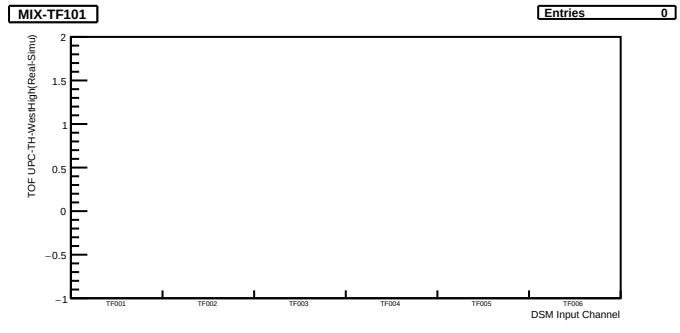

MIX-TF101
Entries 3383058
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

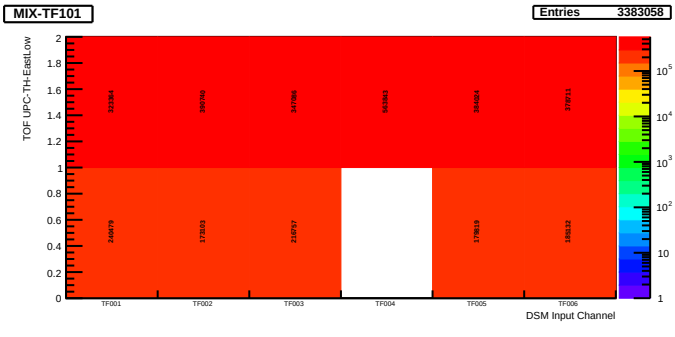

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

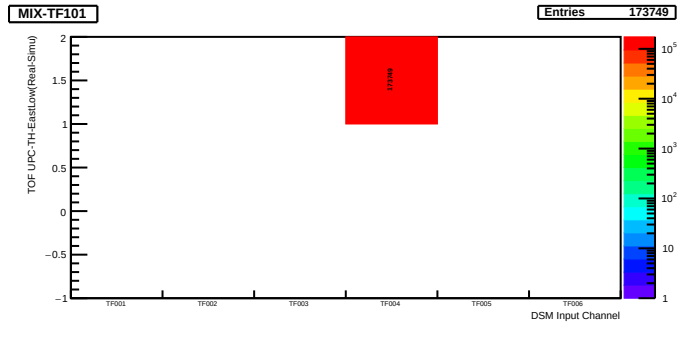

MIX-TF101
Entries 3383058
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

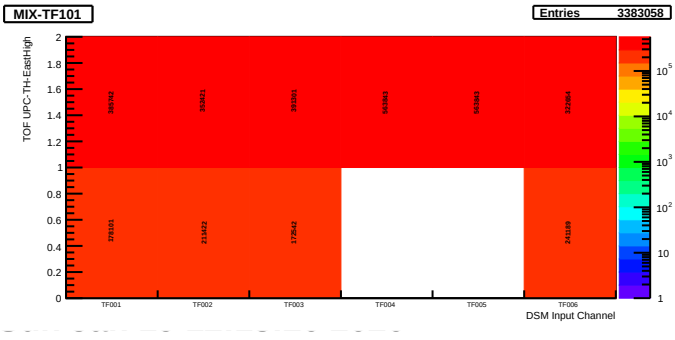

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

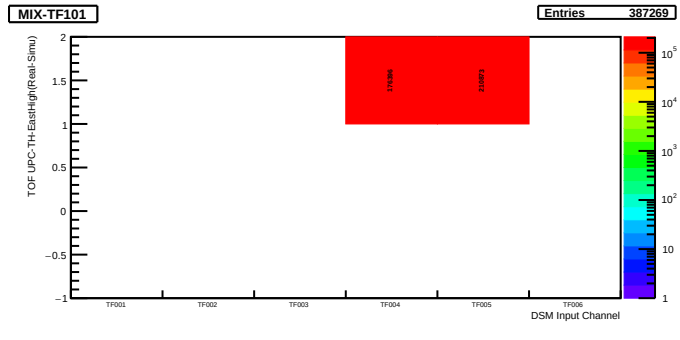

MIX-TF101
Entries 3383058
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

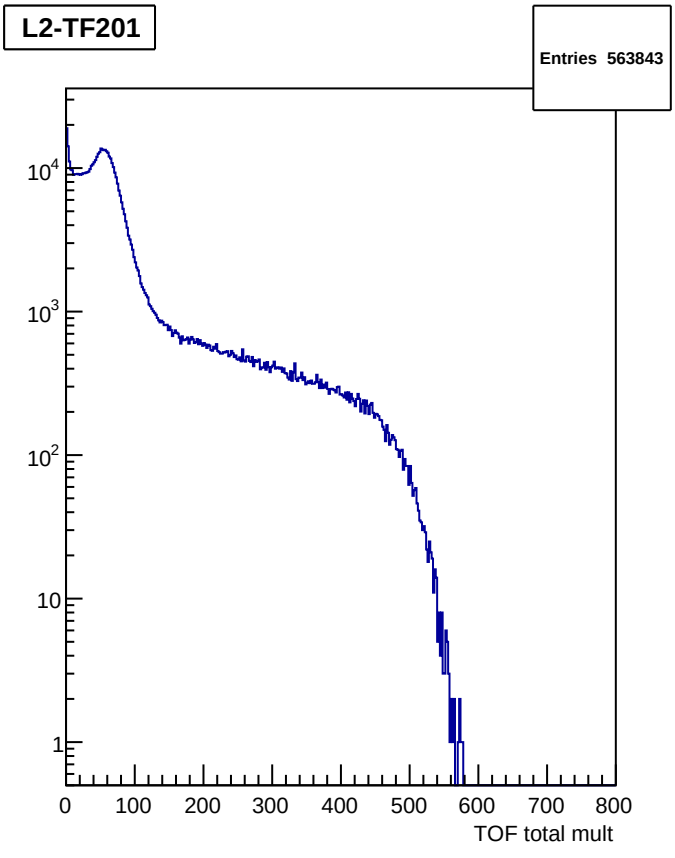

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

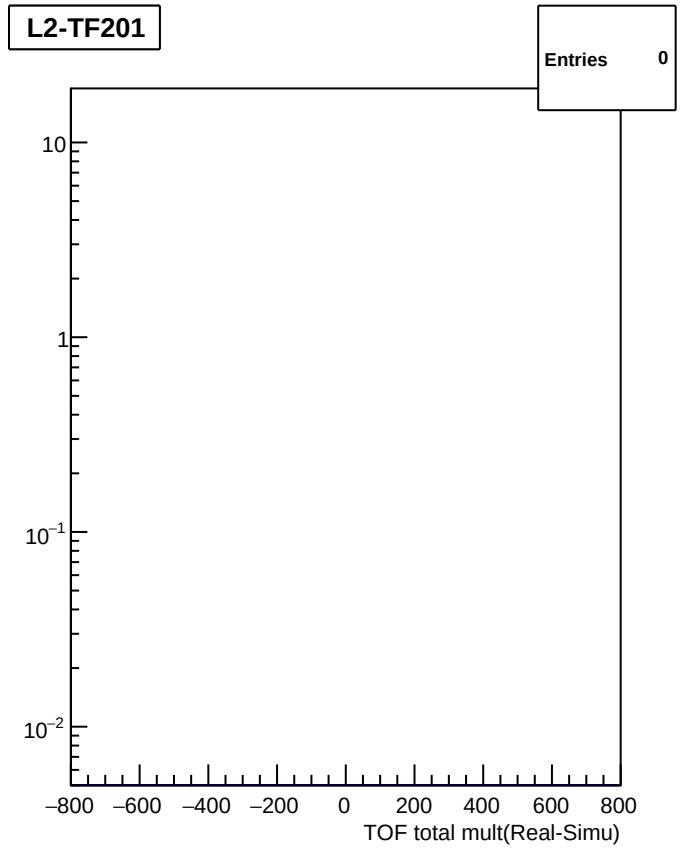

MIX-TF101
Entries 3383058
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

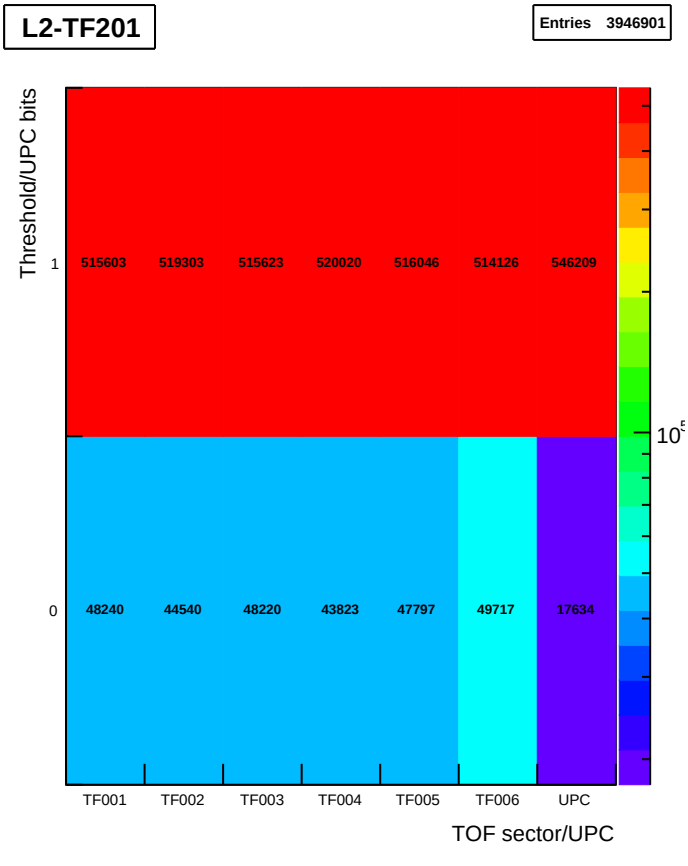

MIX-TF101
Entries 173749
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

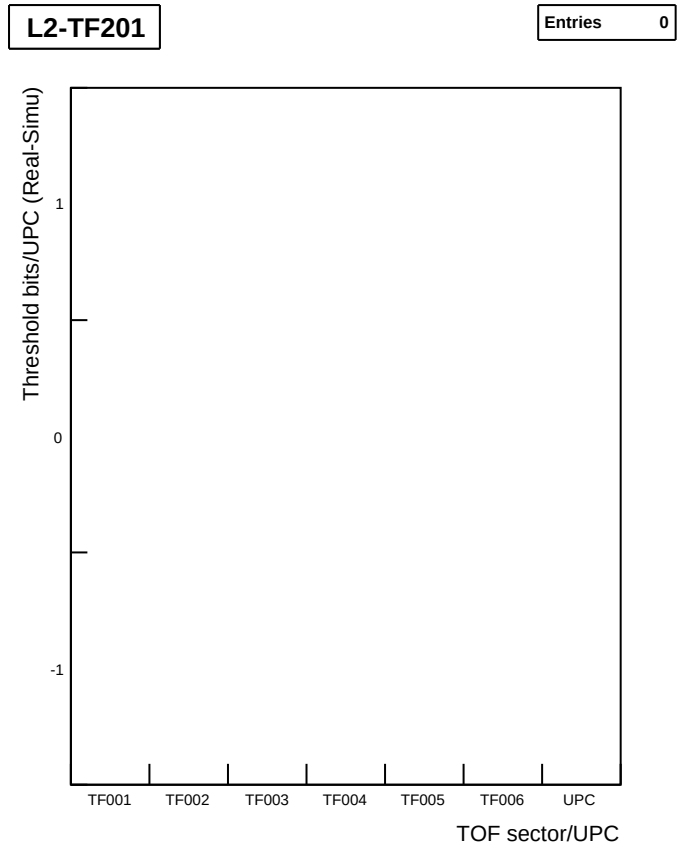

MIX-TF101
Entries 3383058
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

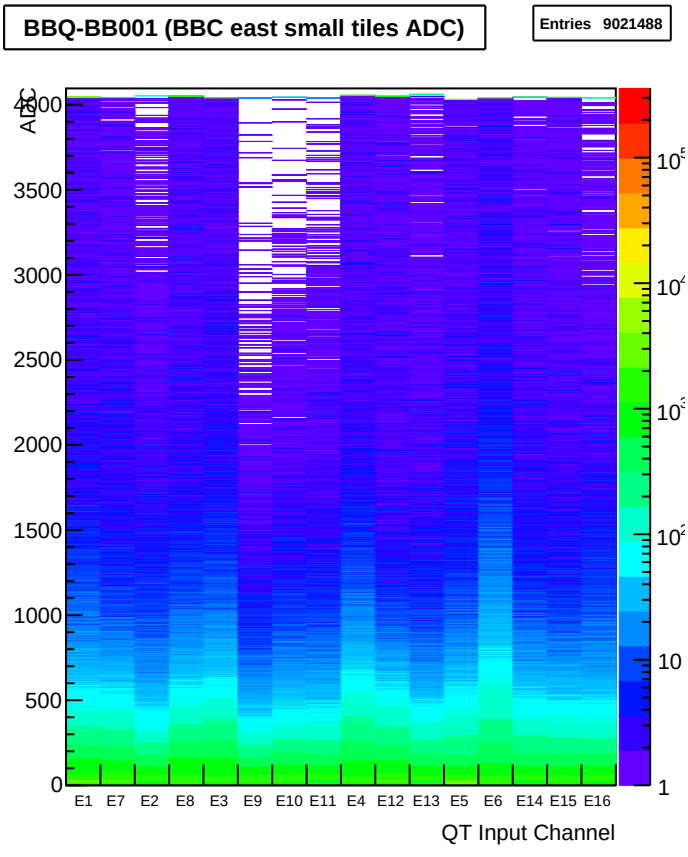

MIX-TF101
Entries 387269
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

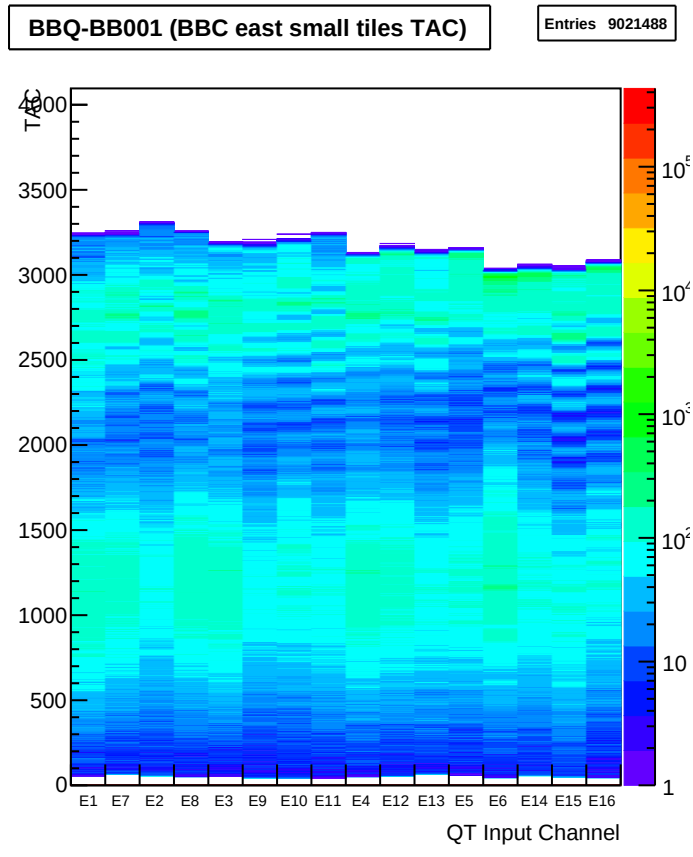

L2-TF201
Entries 563843
TOF total mult

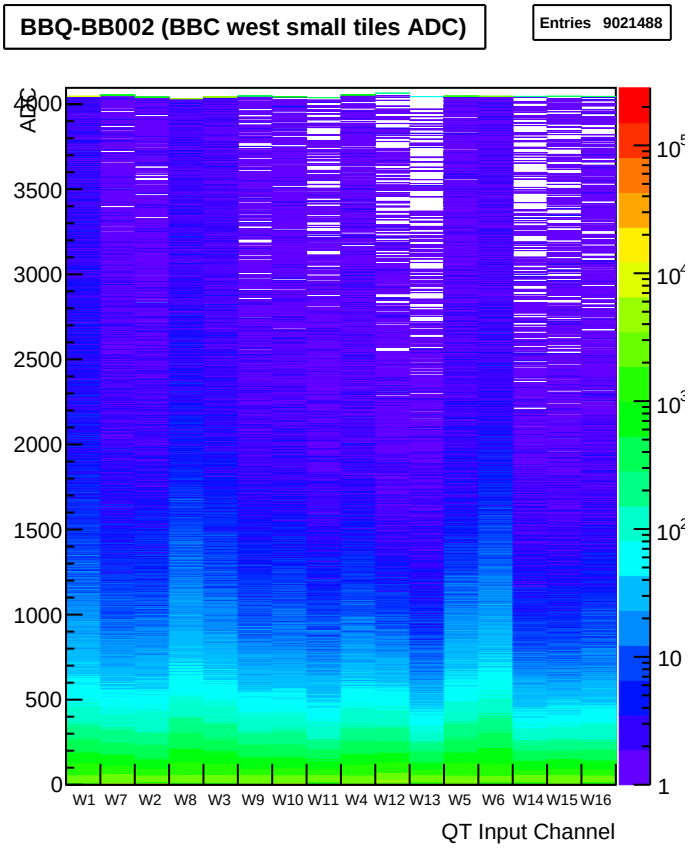

L2-TF201
Entries 0
TOF total mult(Real-Simu)

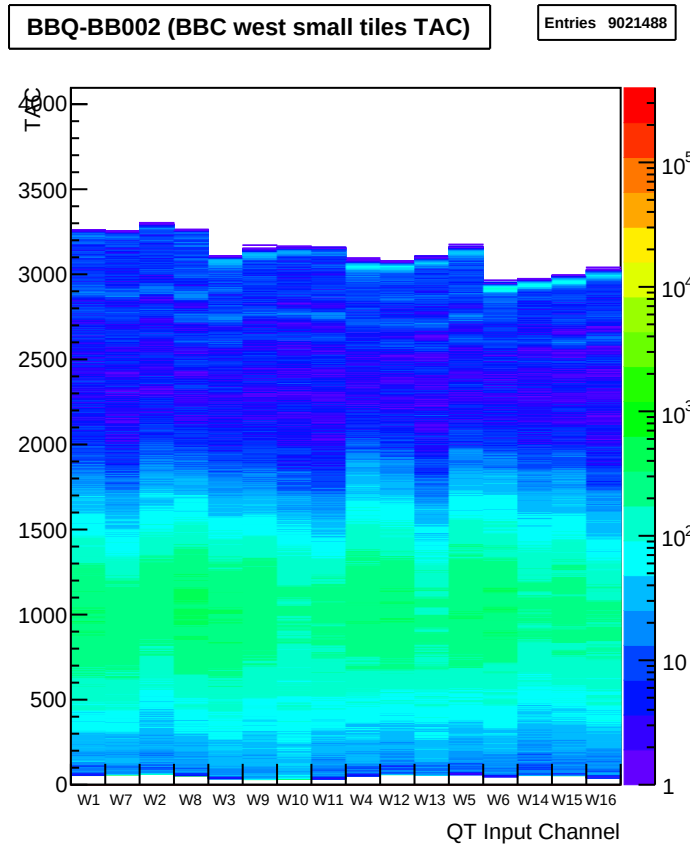

L2-TF201
Entries 3946901
Threshold/UPC bits
515603
519303
515623
520020
516046
514126
546209
48240
44540
48220
43823
47797
49717
17634
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

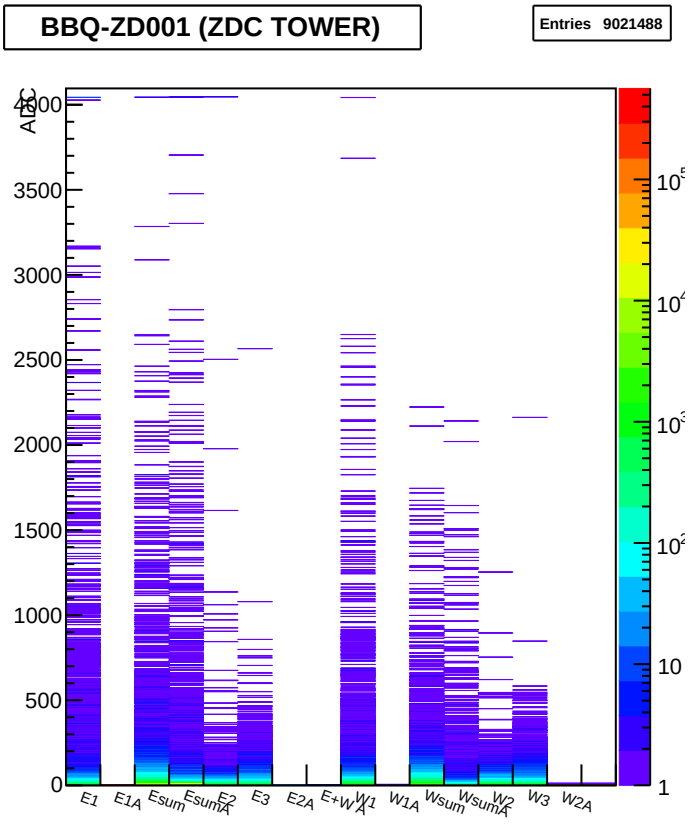

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

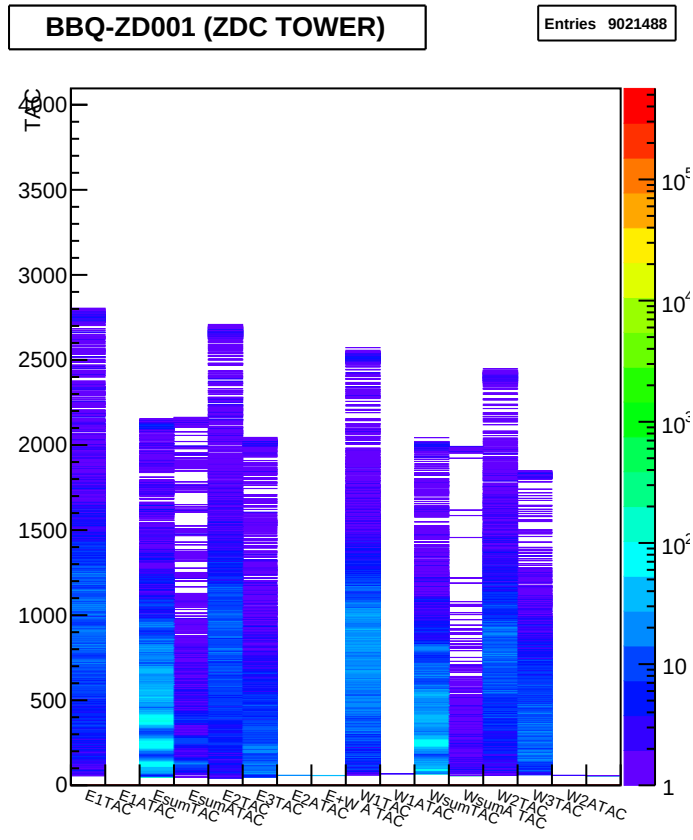

BBQ-BB001 (BBC east small tiles ADC)
Entries 9021488
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

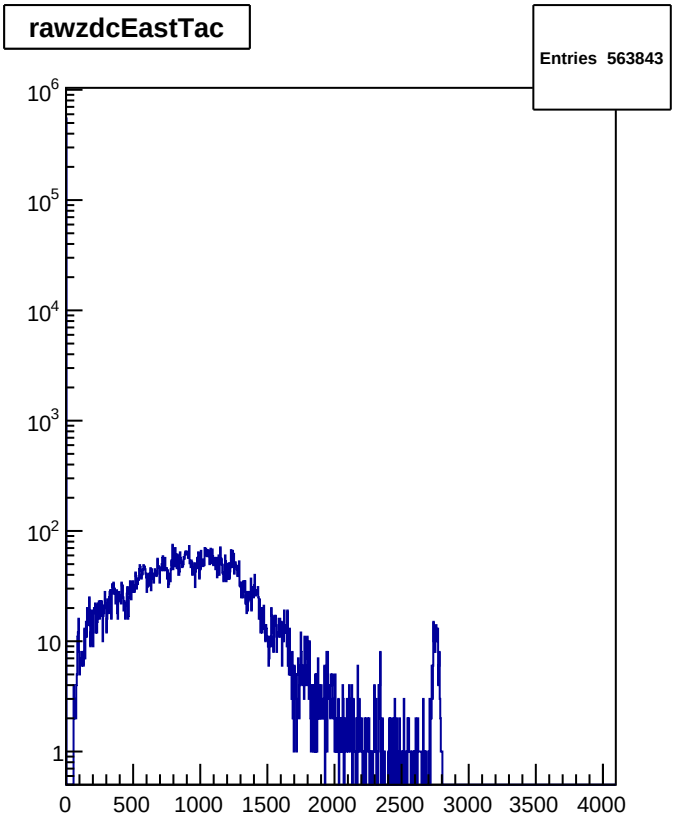

BBQ-BB001 (BBC east small tiles TAC)
Entries 9021488
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

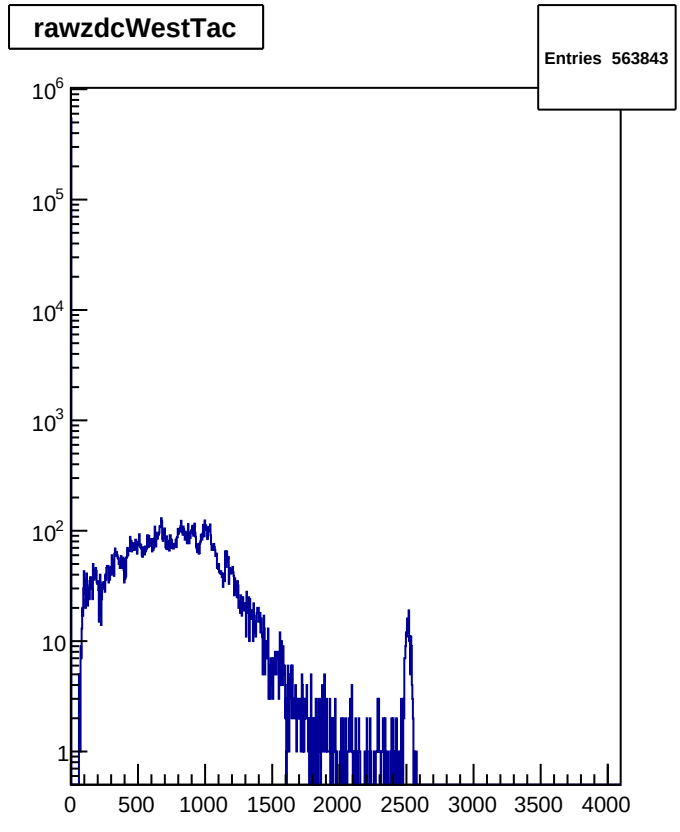

BBQ-BB002 (BBC west small tiles ADC)
Entries 9021488
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

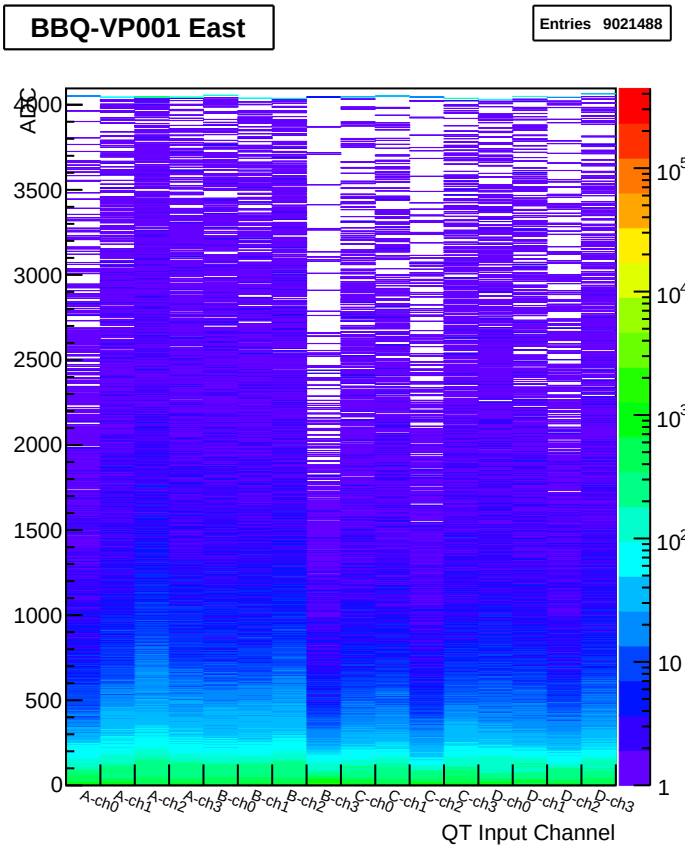

BBQ-BB002 (BBC west small tiles TAC)
Entries 9021488
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

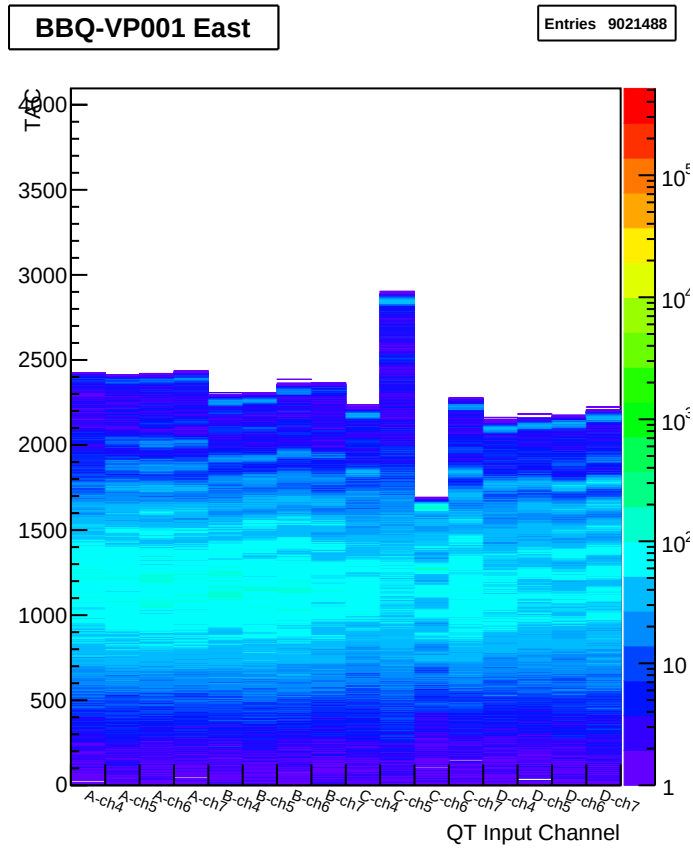

BBQ-ZD001 (ZDC TOWER)
Entries 9021488
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

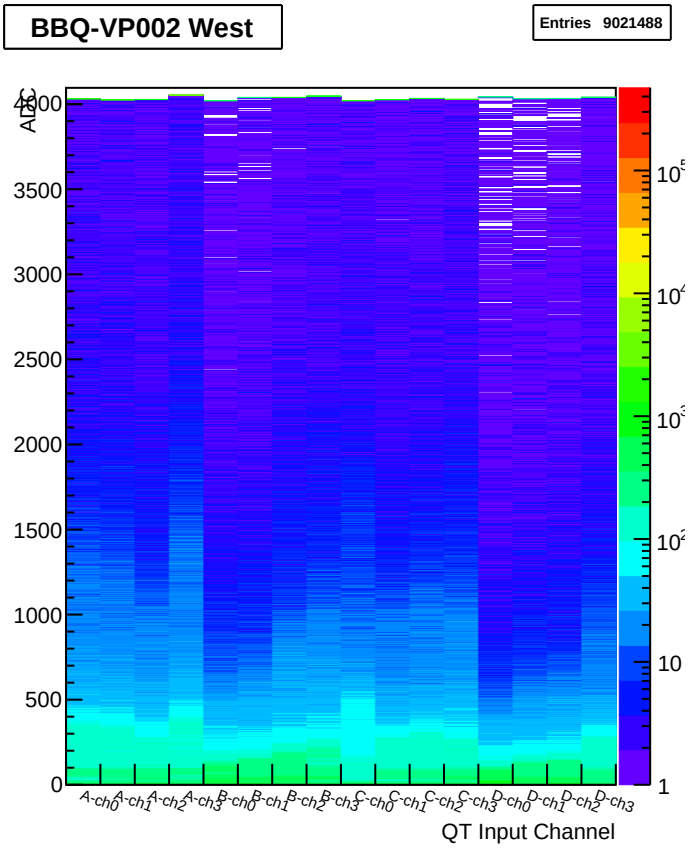

BBQ-ZD001 (ZDC TOWER)
Entries 9021488
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

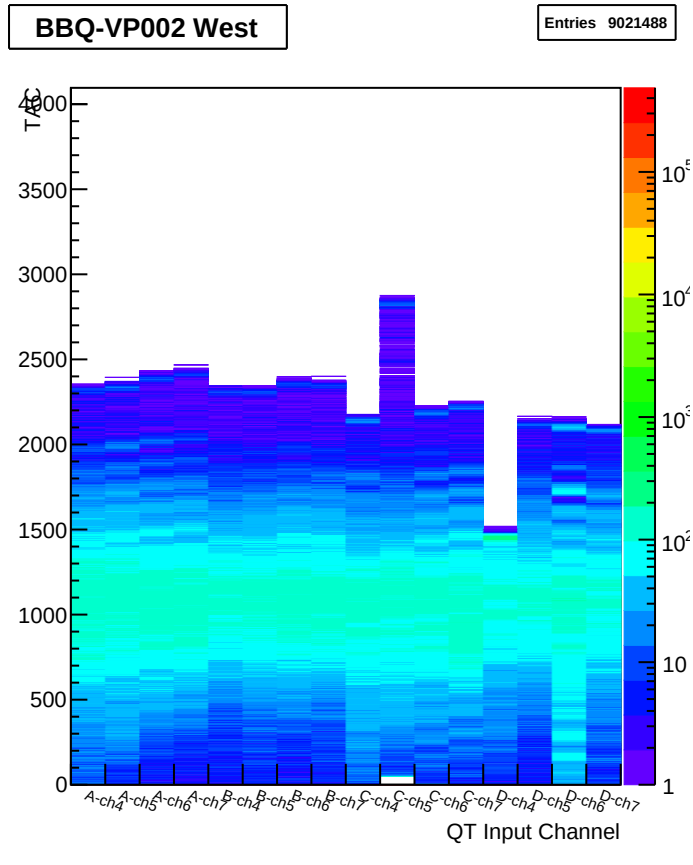

rawzdcEastTac
Entries 563843

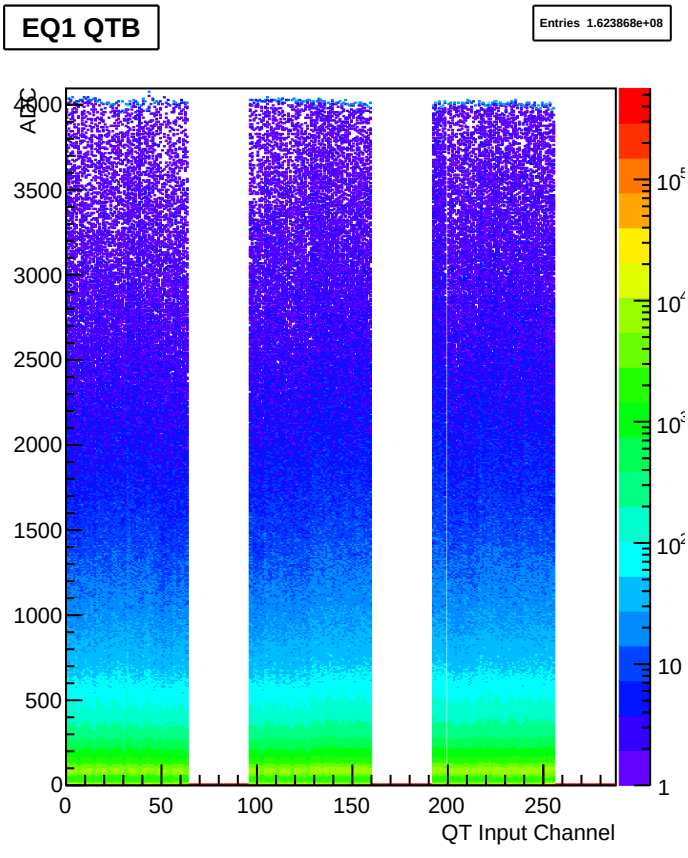

rawzdcWestTac
Entries 563843

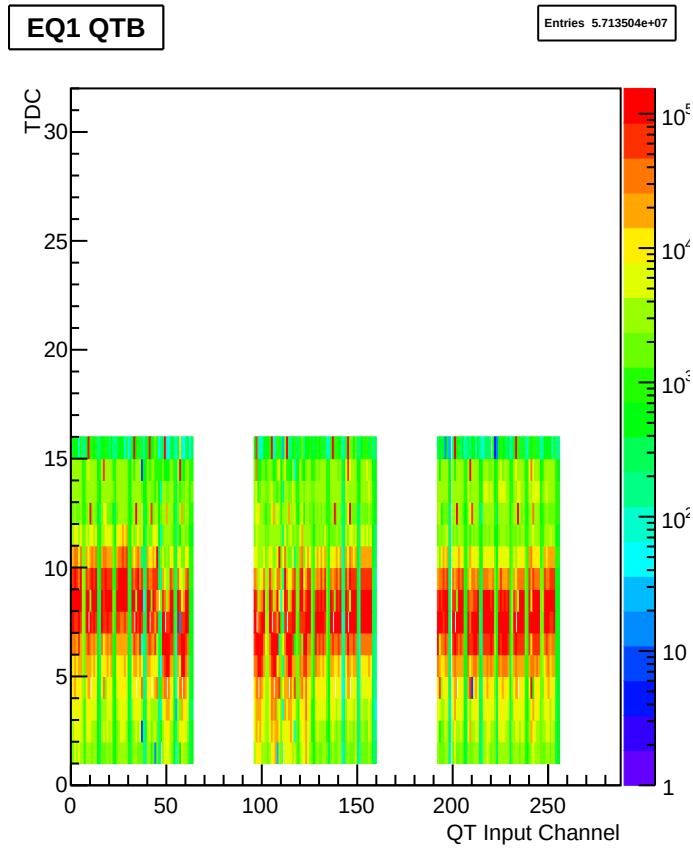

BBQ-VP001 East
Entries 9021488
ADC
QT Input Channel

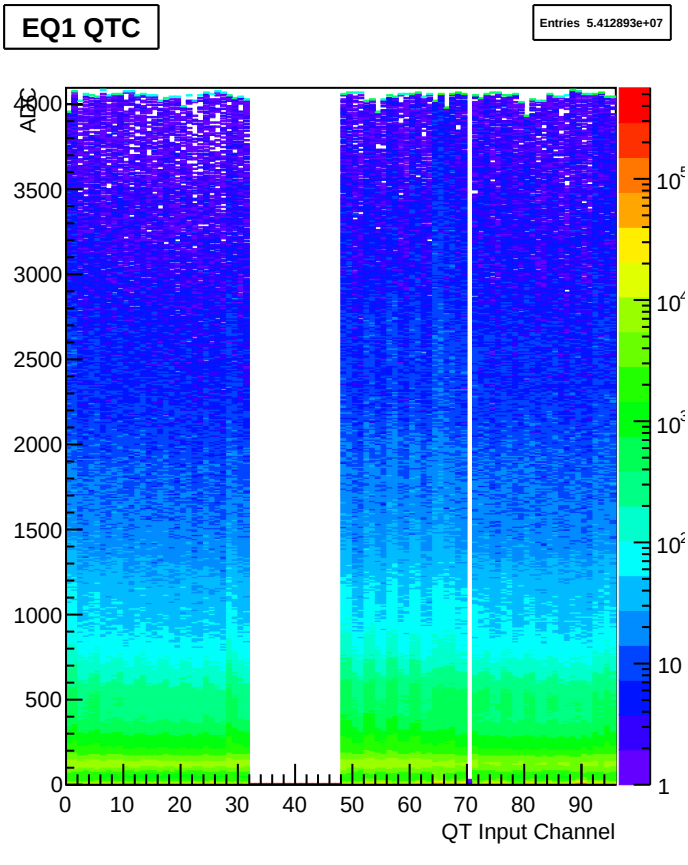

BBQ-VP001 East
Entries 9021488
ADC
QT Input Channel

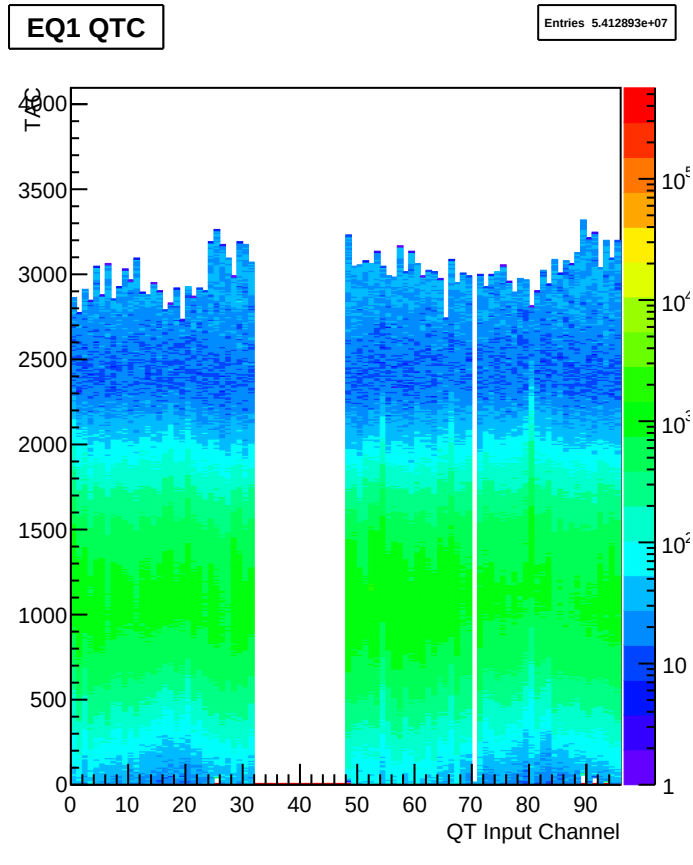

BBQ-VP002 West
Entries 9021488
ADC
QT Input Channel

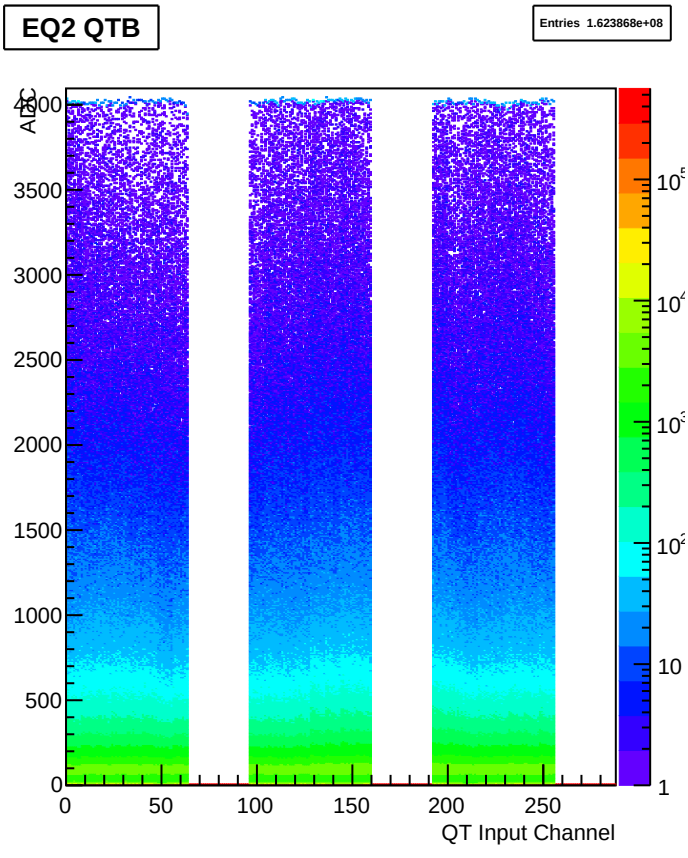

BBQ-VP002 West
Entries 9021488
ADC
QT Input Channel

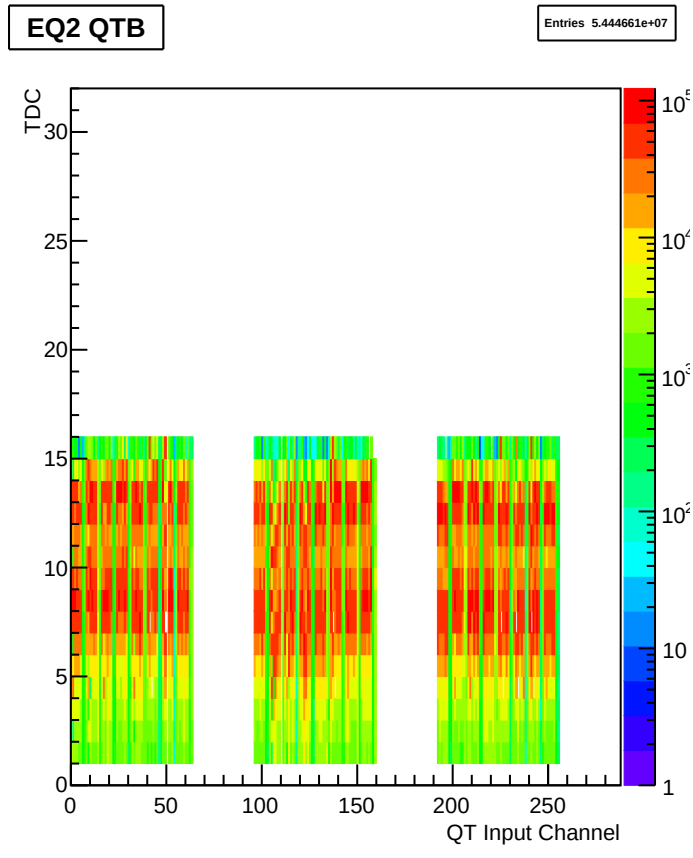

EQ1 QTB
Entries 1.623868e+08
ADC
QT Input Channel

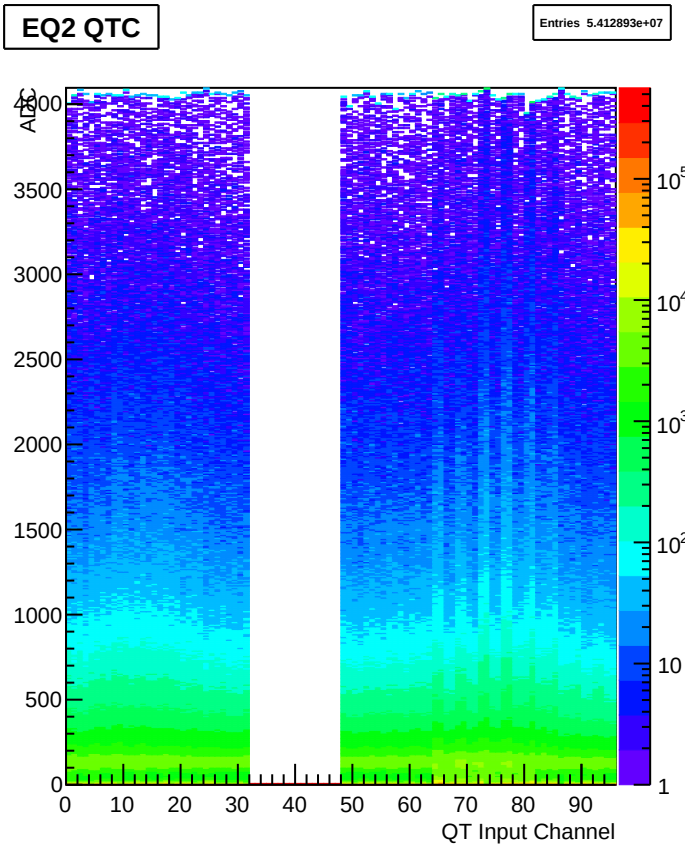

EQ1 QTB
Entries 5.713504e+07
TDC
QT Input Channel

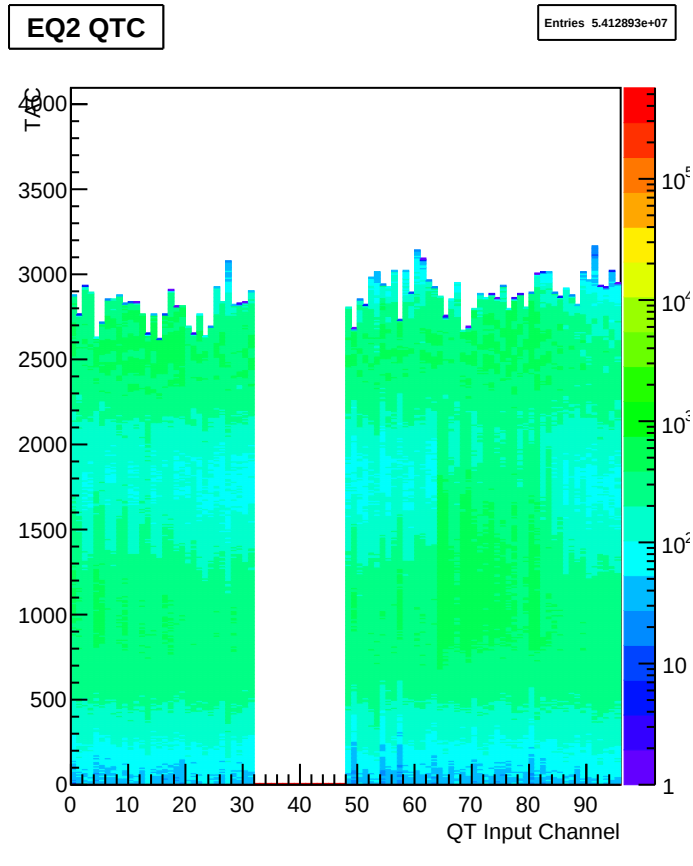

EQ1 QTC
Entries 5.412893e+07
ADC
QT Input Channel

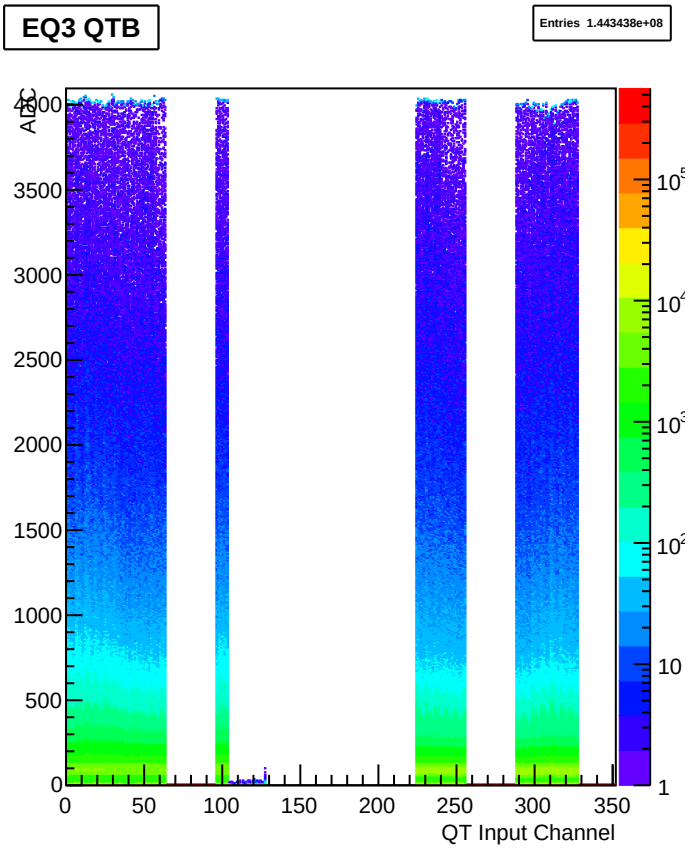

EQ1 QTC
Entries 5.412893e+07
TADC
QT Input Channel

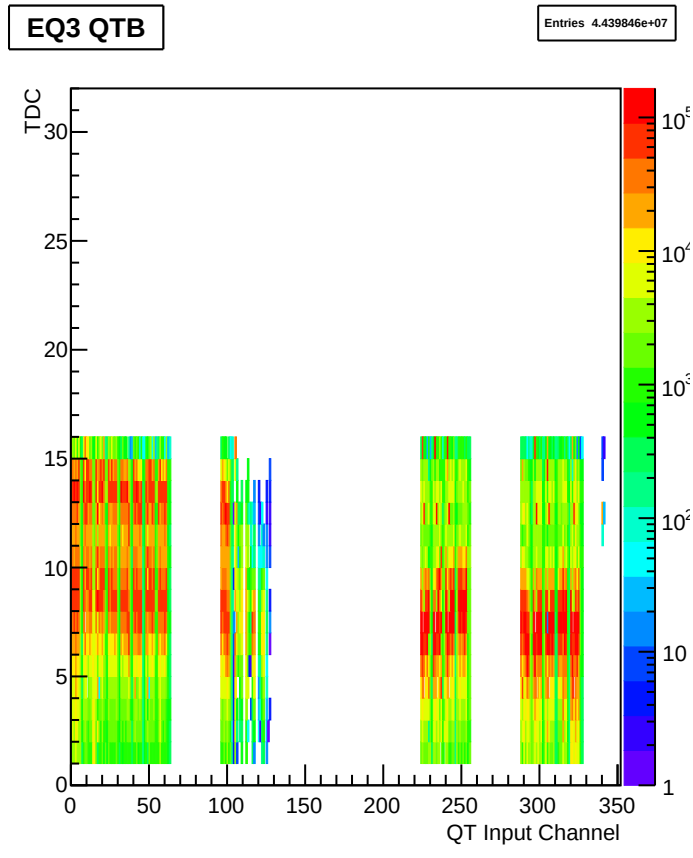

EQ2 QTB
Entries 1.623868e+08
ADC
QT Input Channel

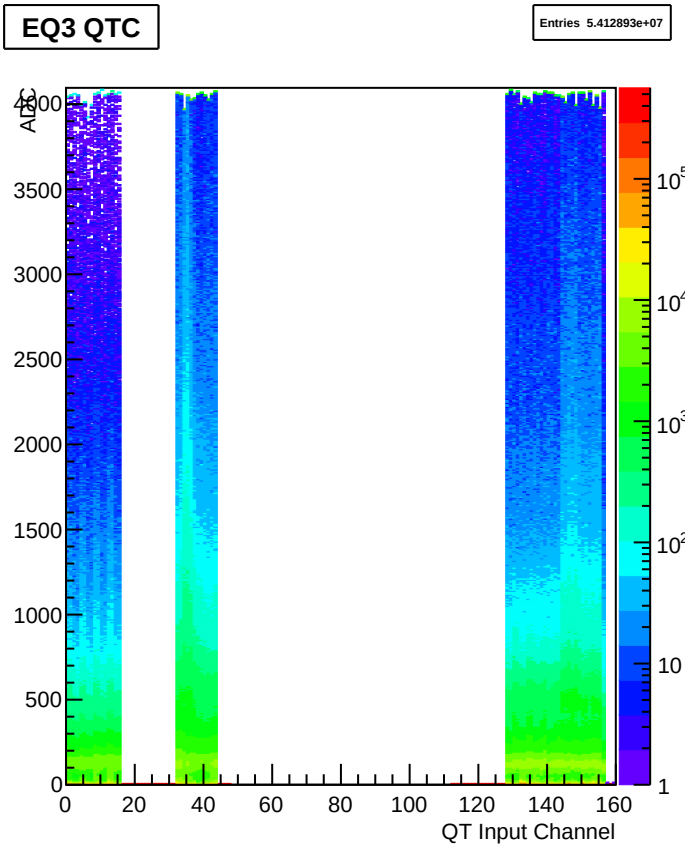

EQ2 QTB
Entries 5.444661e+07
TDC
QT Input Channel


EQ2 QTC
Entries 5.412893e+07
ADC
QT Input Channel


EQ2 QTC
Entries 5.412893e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.443438e+08
ADC
QT Input Channel


EQ3 QTB
Entries 4.439846e+07
TDC
QT Input Channel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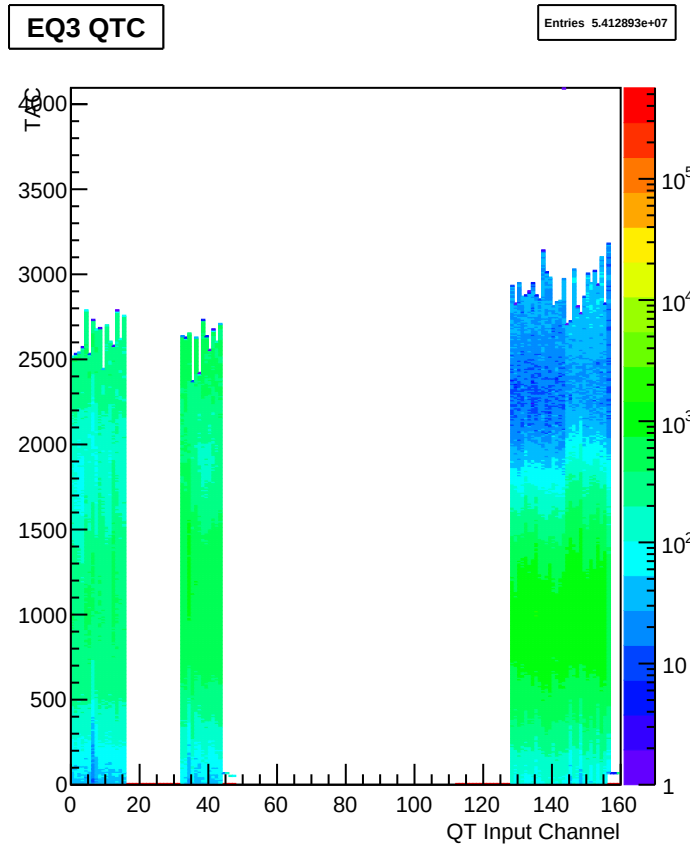
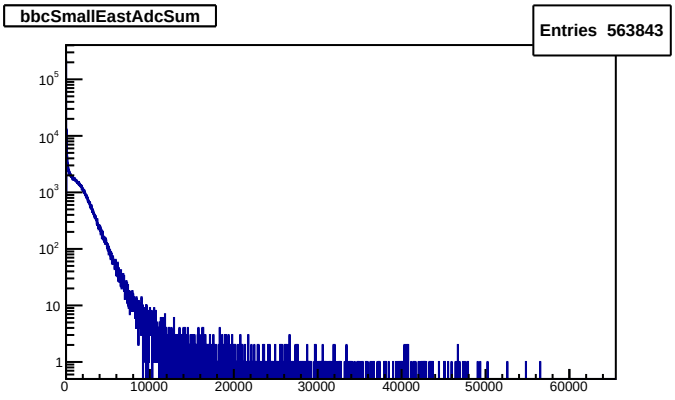
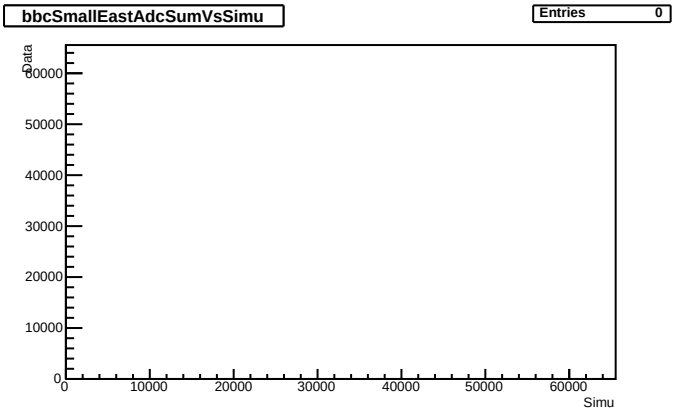
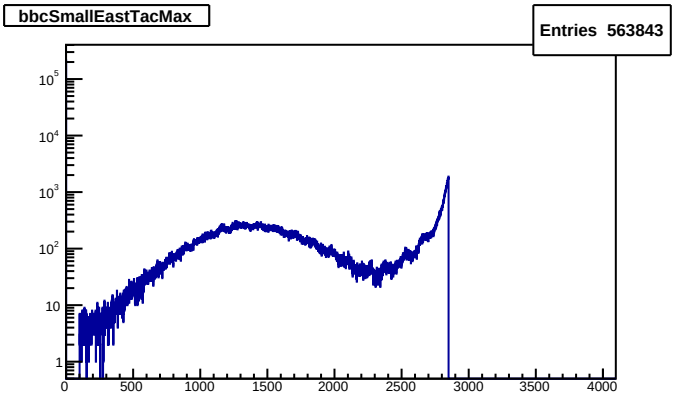
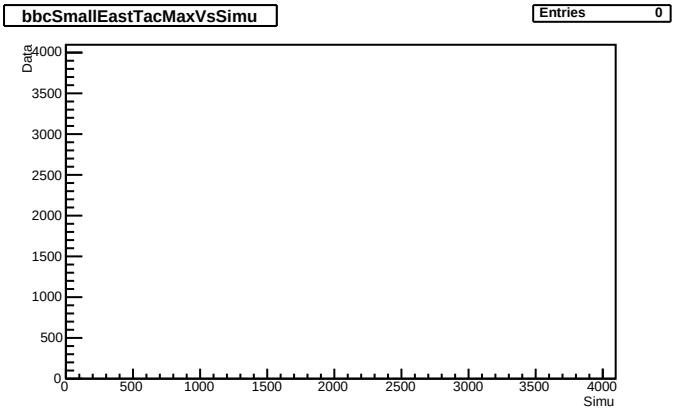
Entries 5.412893e+07
ADC
QT Input Channel


EQ3 QTC
Entries 5.412893e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 563843


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 563843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Entries 0
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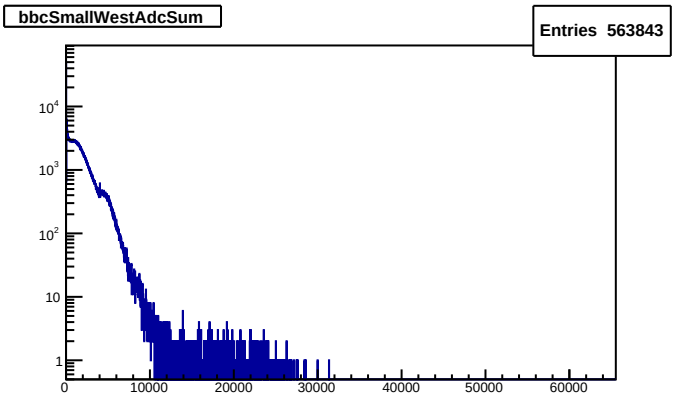
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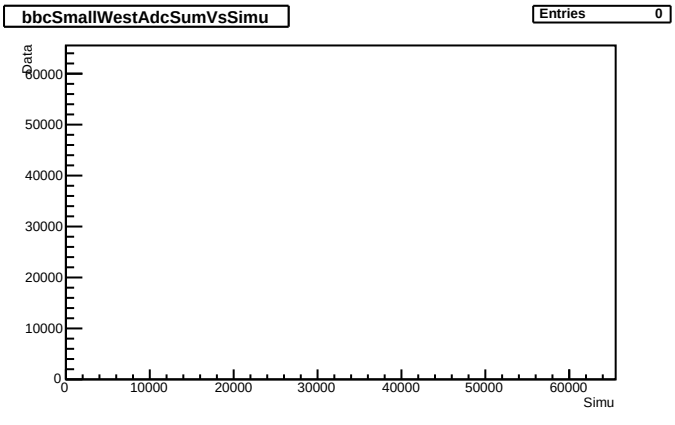
Entries 563843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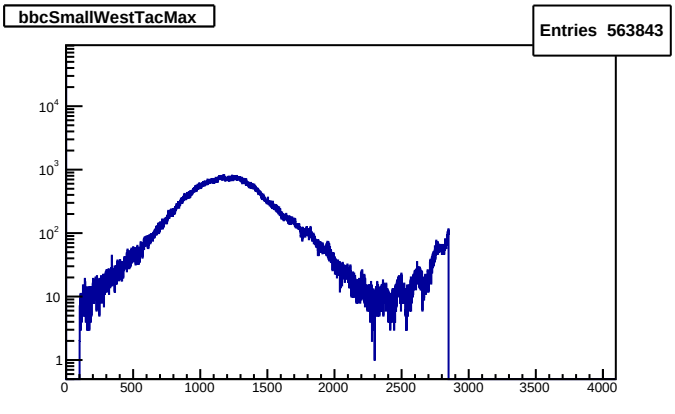
Simu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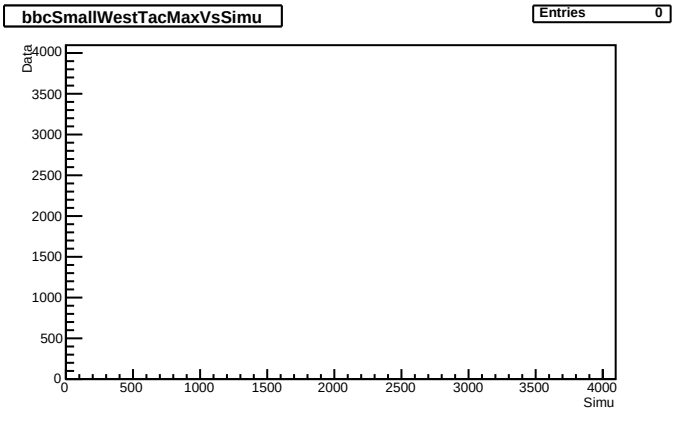
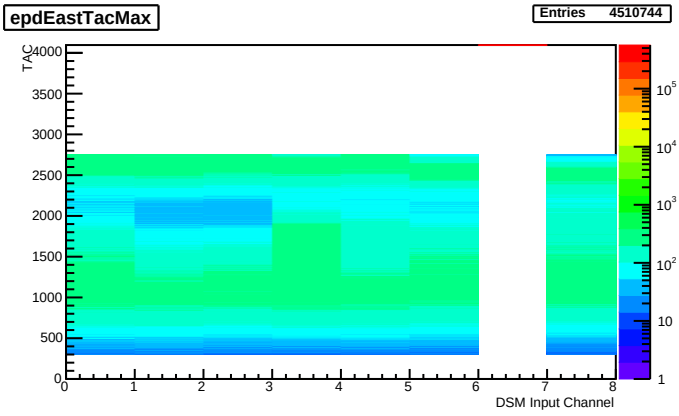
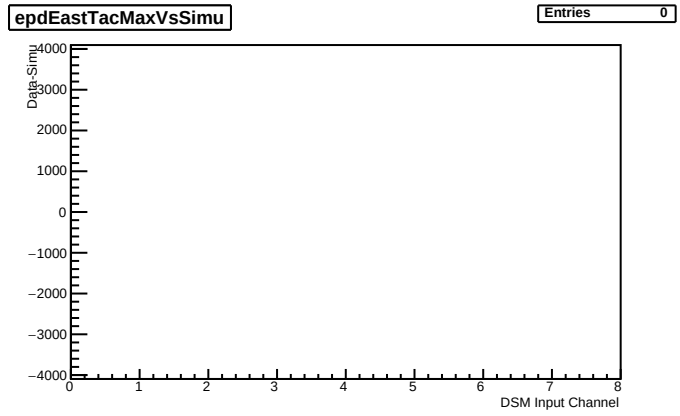
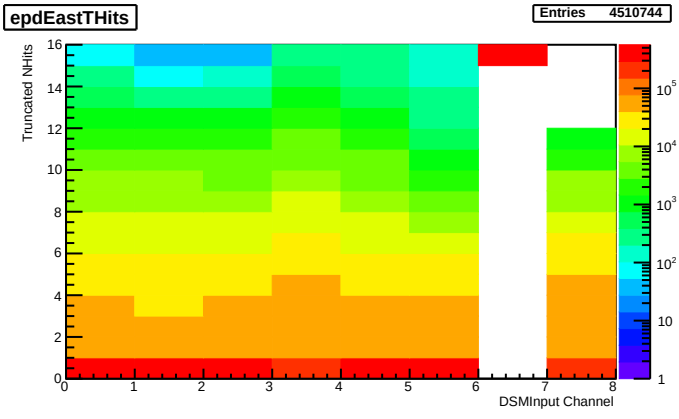
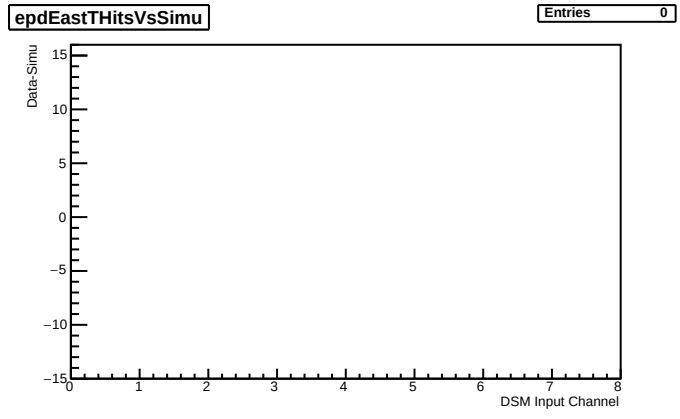
Entries 563843


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 4510744
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4510744
Truncated NHits
DSMInput Channel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Entries 0
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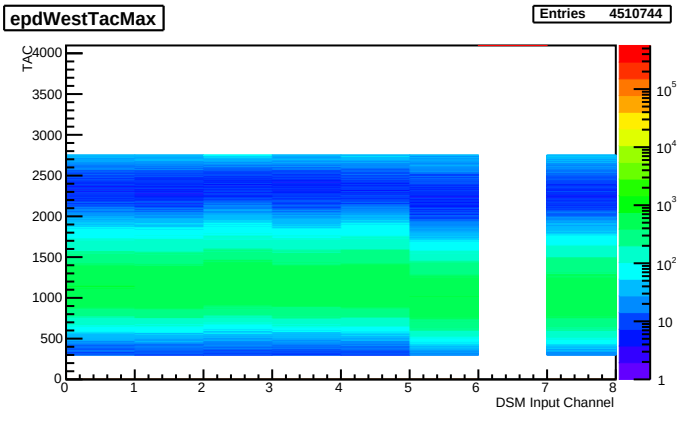
DSM Input Channel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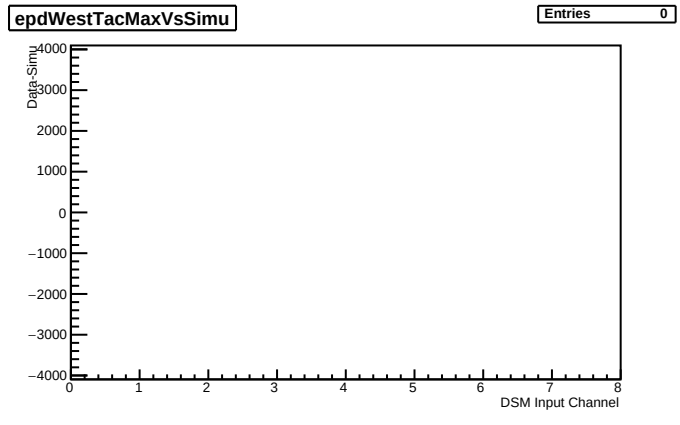
Entries 4510744
TAC
DSM Input Channel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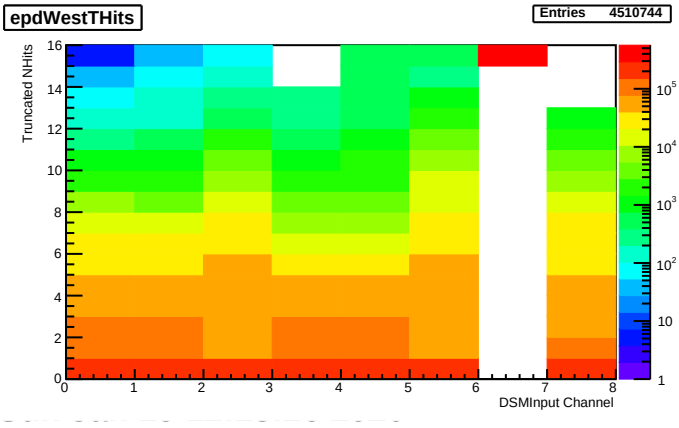
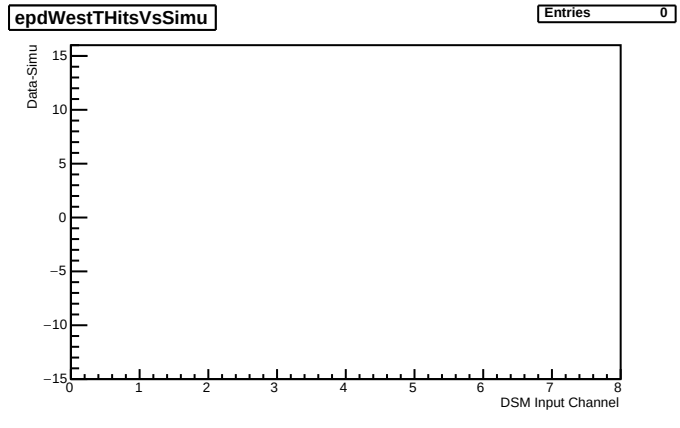
DSM Input Channel


epdWestTHits
Entries 4510744
Truncated NHits
DSMInput Channel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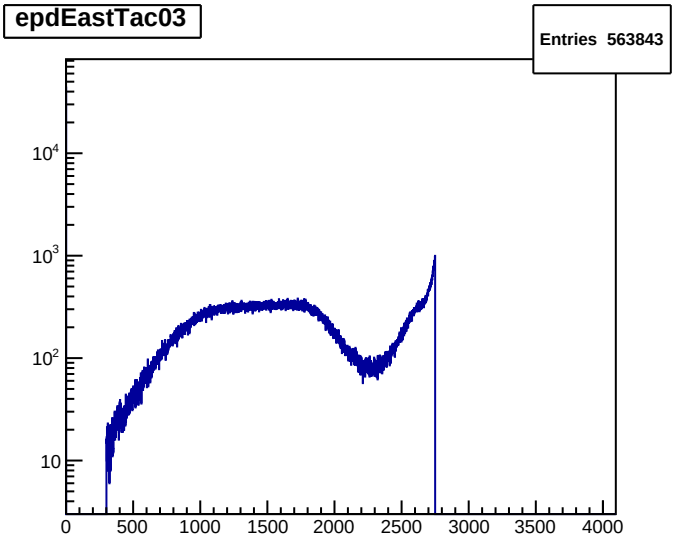
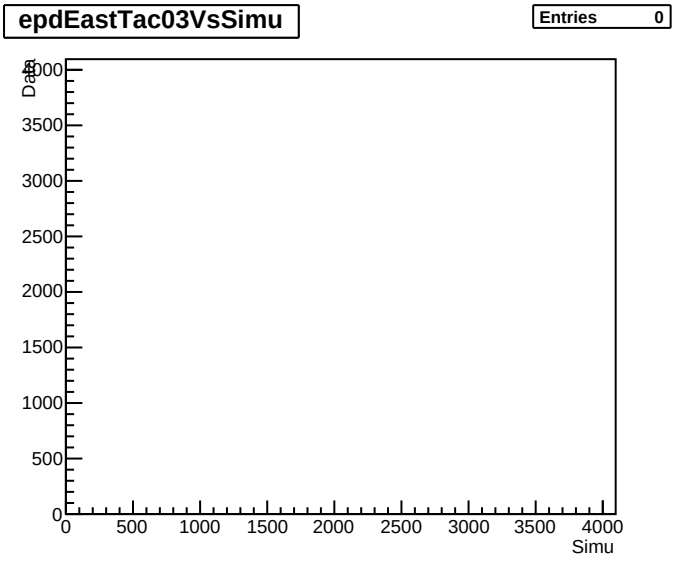
DSM Input Channel


epdEastTac03
Entries 563843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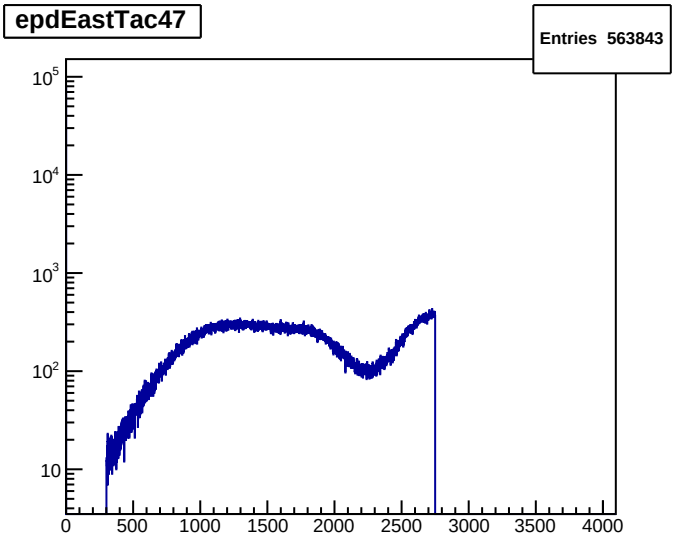
Entries 0
Data
Simu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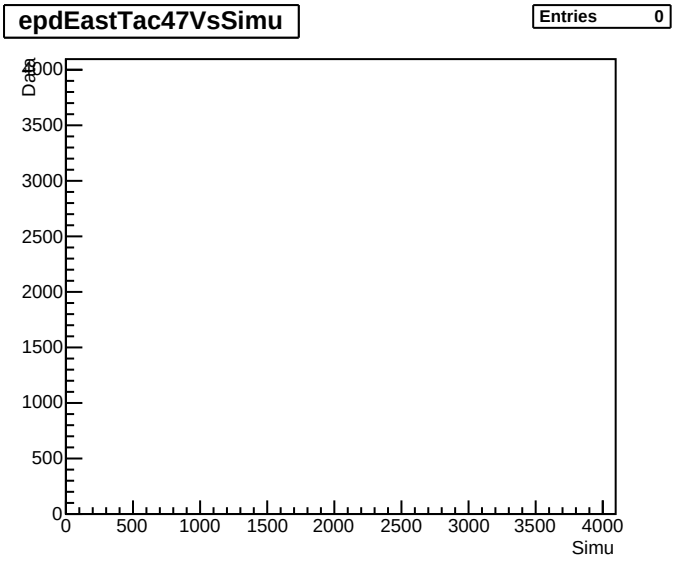
Entries 563843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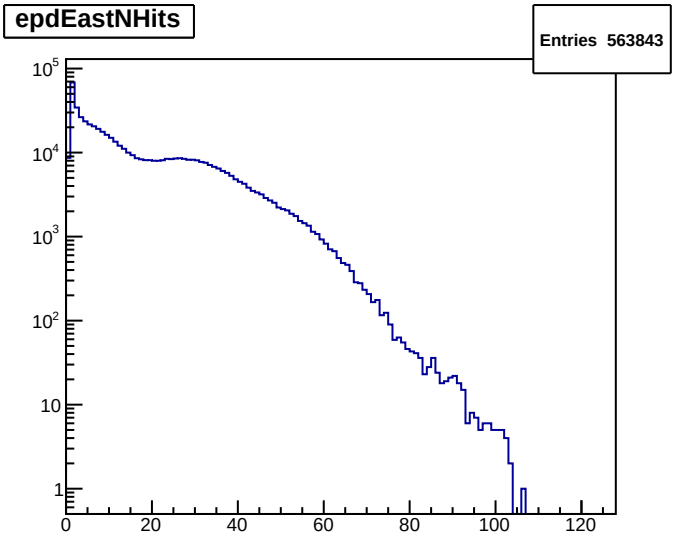
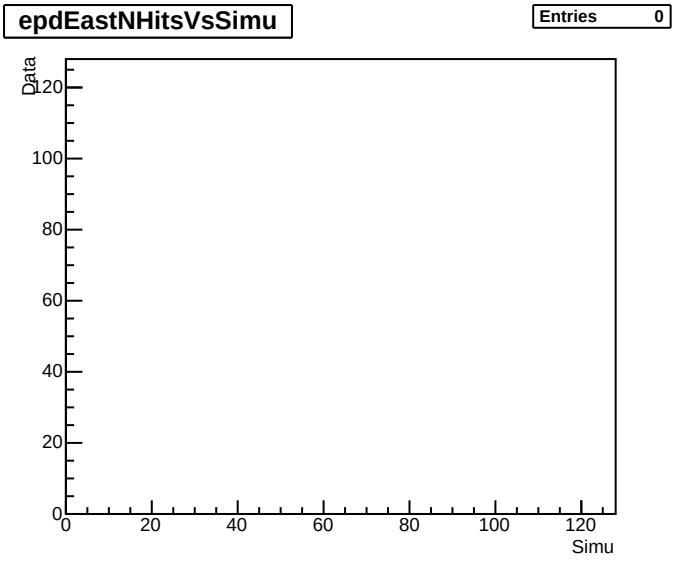
Entries 0
Data
Simu


epdEastNHits
Entries 563843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Data
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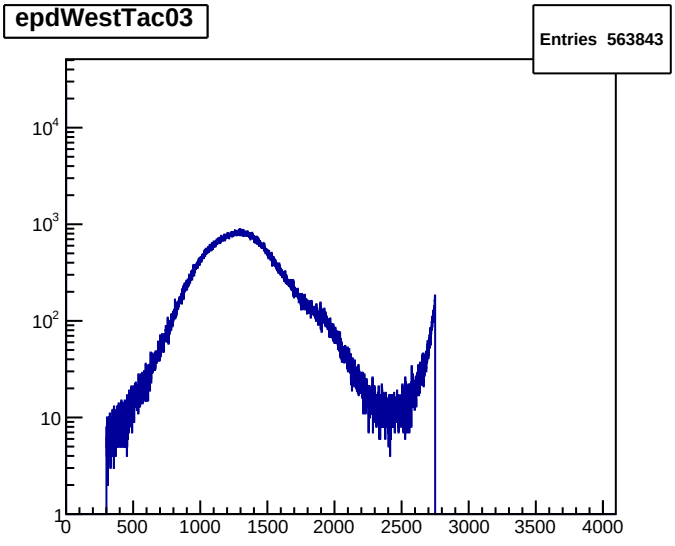
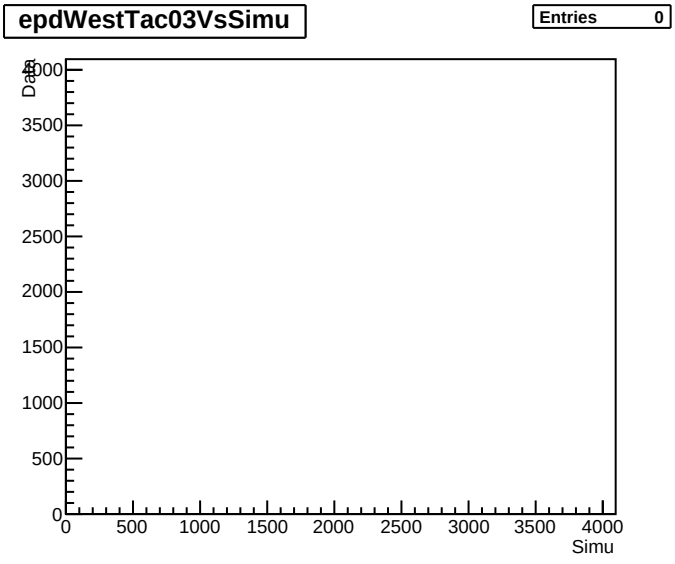

epdWestTac03
Entries 563843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Entries 0
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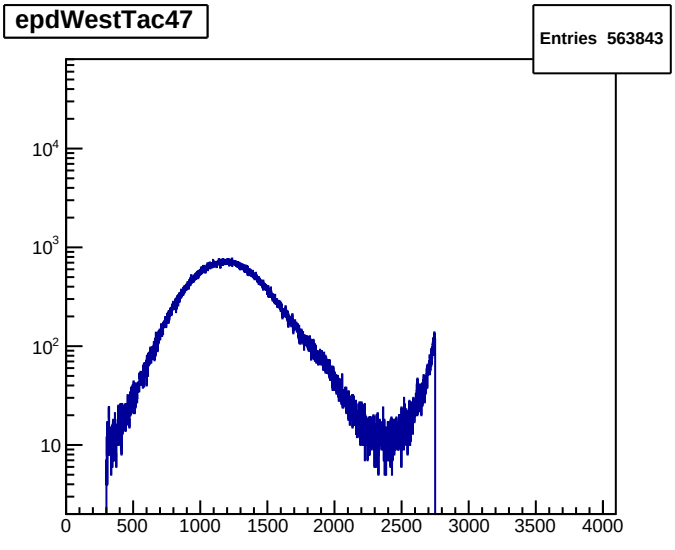
Simu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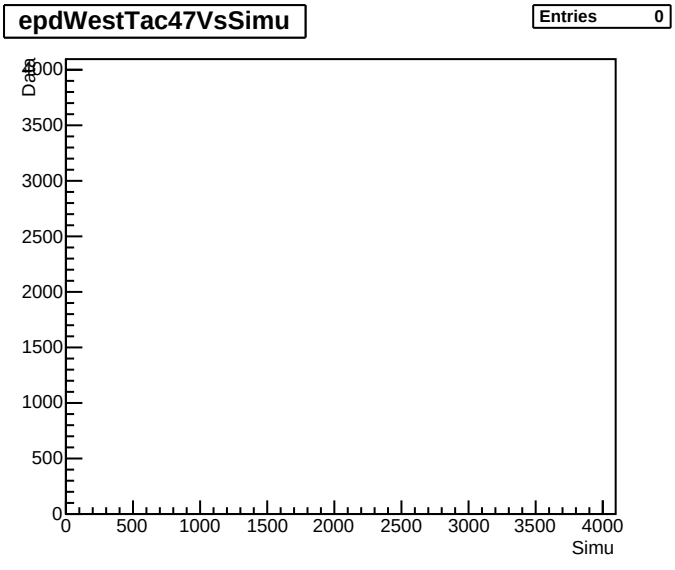
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Entries 0
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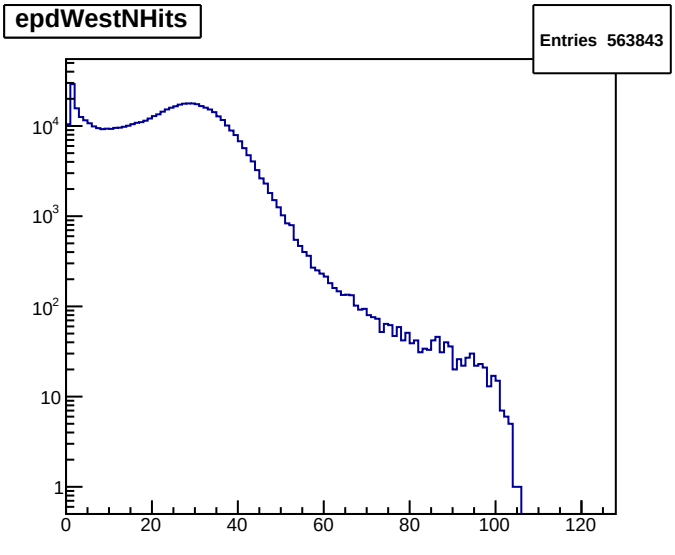
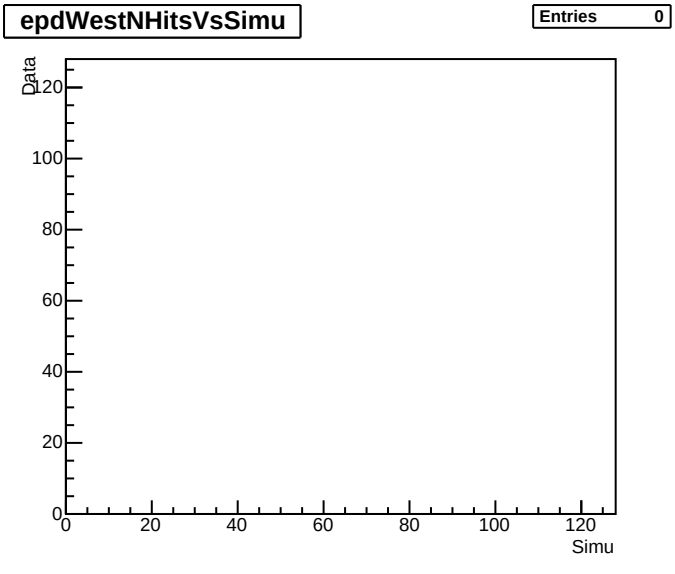
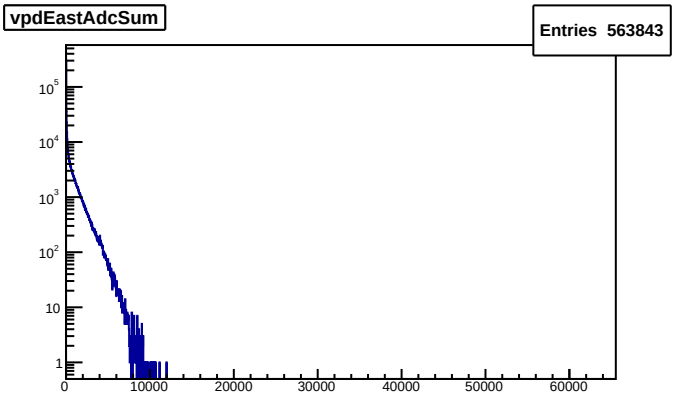
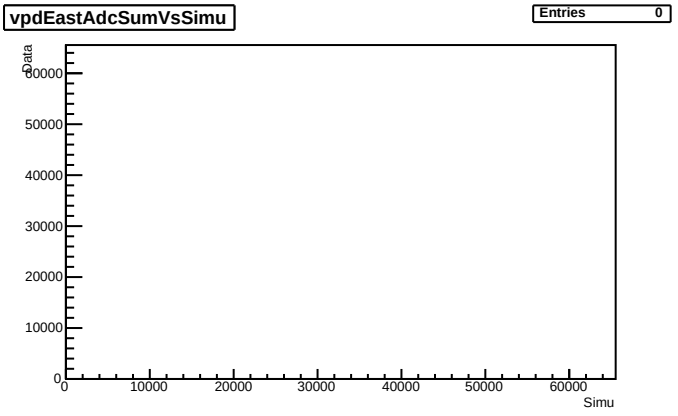
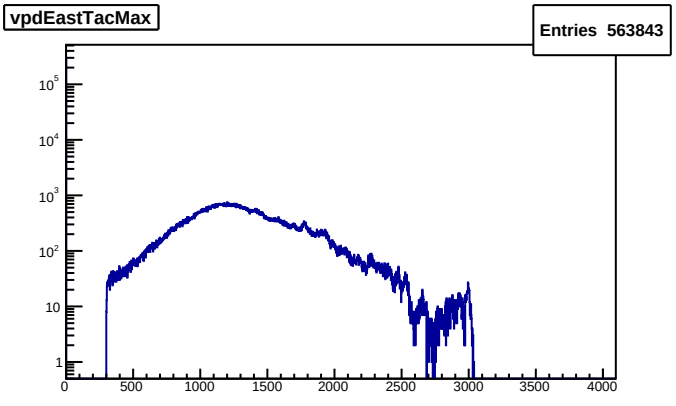
Simu

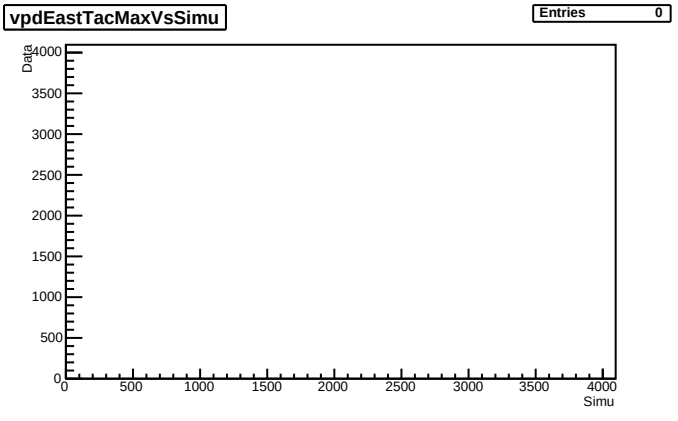

epdWestNHits
Entries 563843


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 563843


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 563843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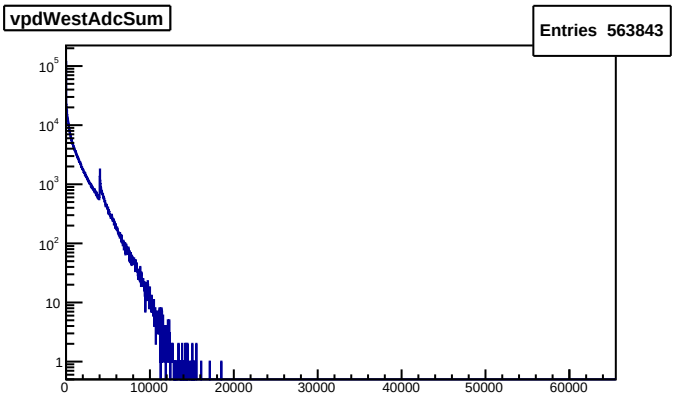
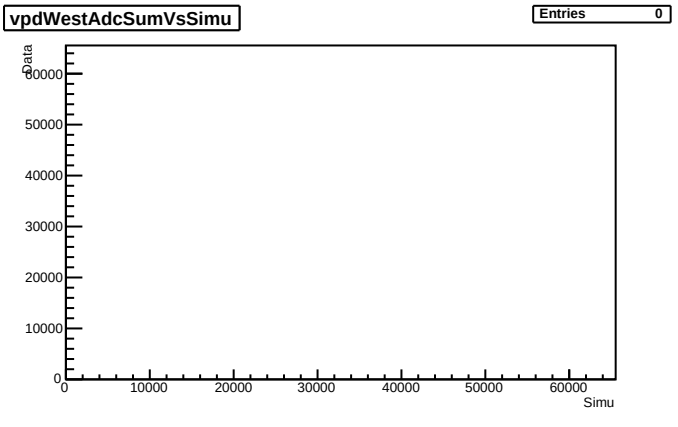
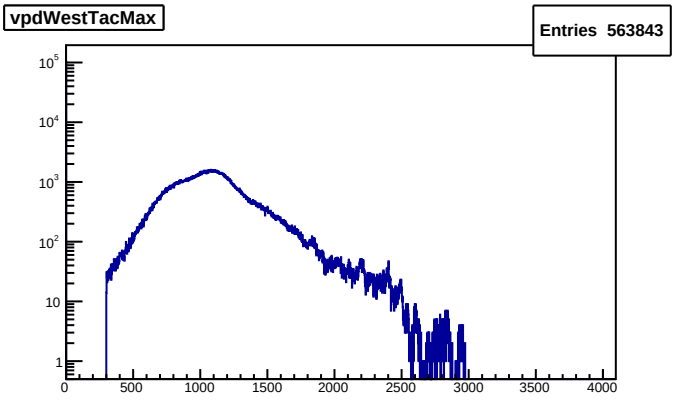
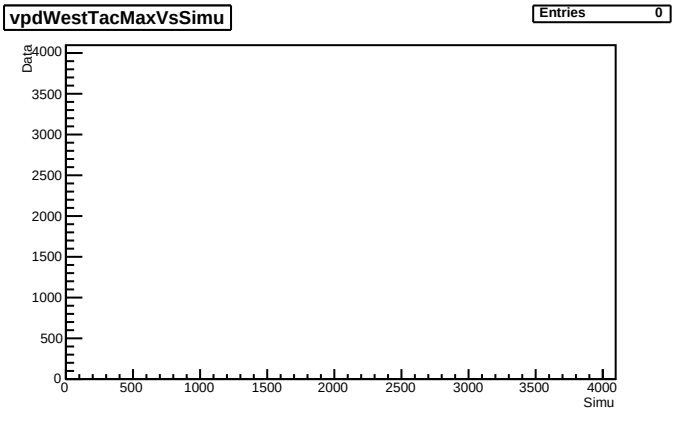
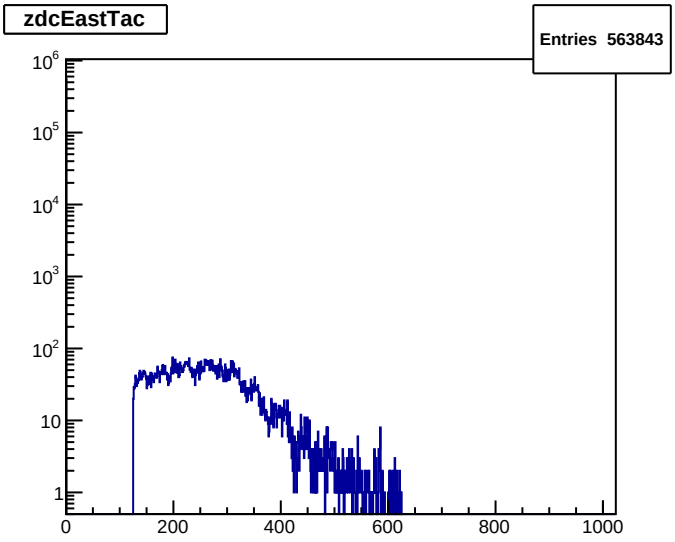
Entries 0
Data
Simu

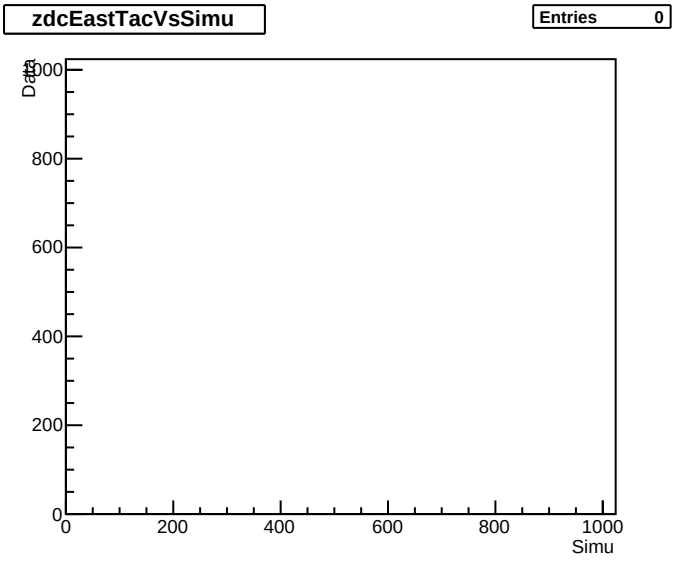

vpdWestAdcSum
Entries 563843

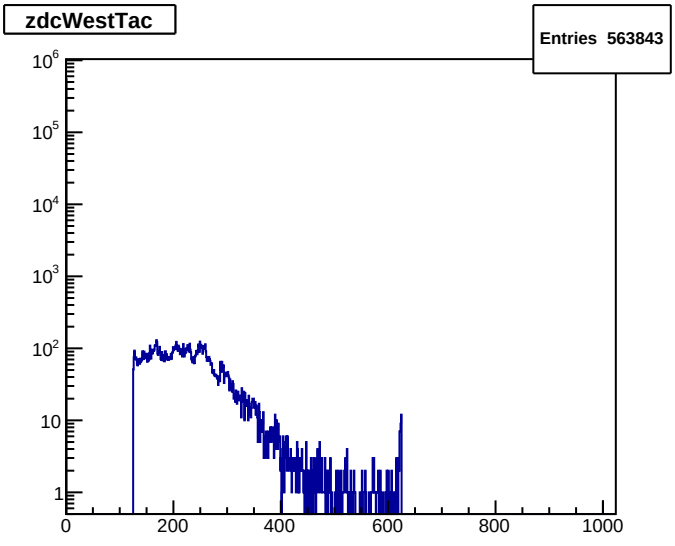

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

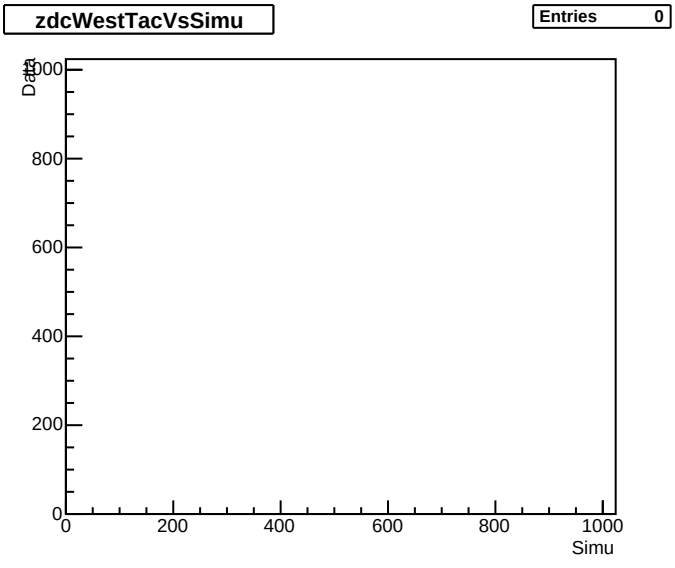

vpdWestTacMax
Entries 563843

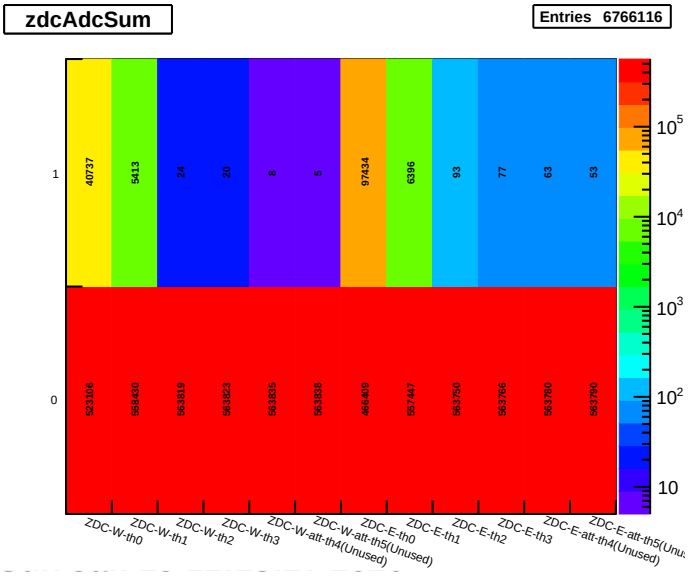

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

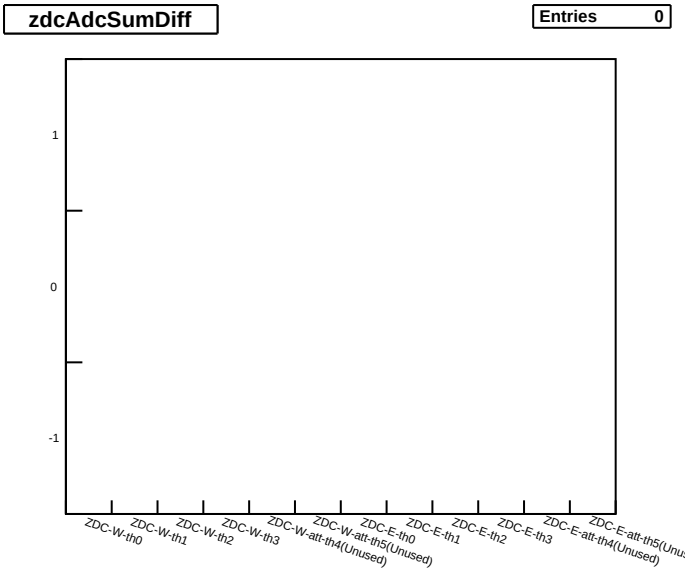

zdcEastTac
Entries 563843

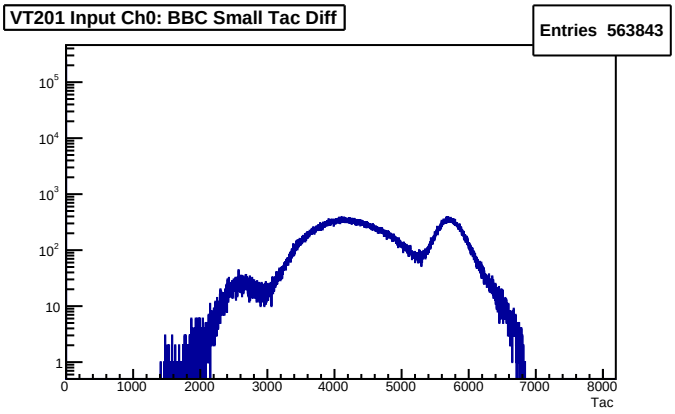

zdcEastTacVsSimu
Entries 0
Data
Simu

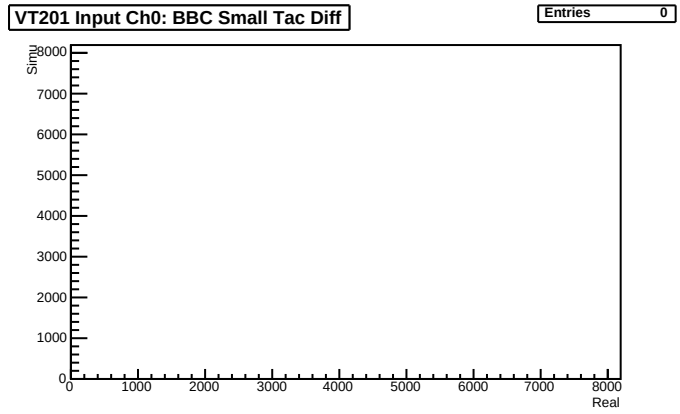

zdcWestTac
Entries 563843

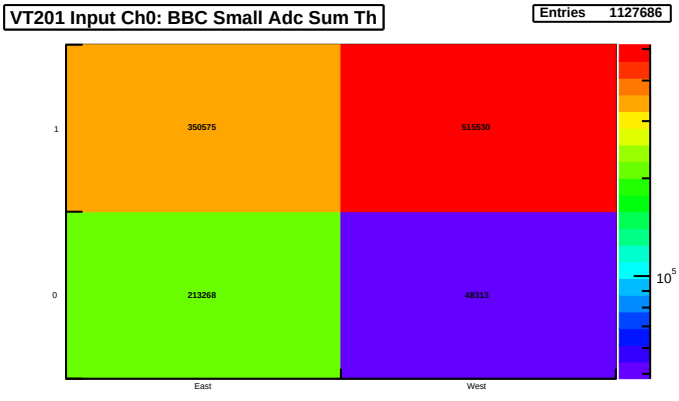

zdcWestTacVsSimu
Entries 0
Data
Simu

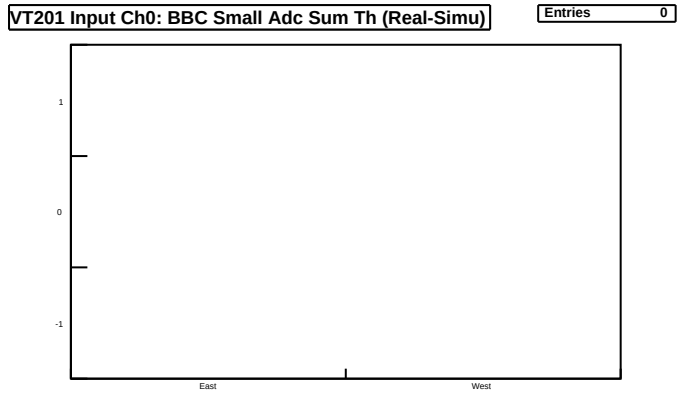

zdcAdcSum
Entries 6766116
40737
5413
24
20
8
5
97434
6396
93
77
63
53
523106
558430
563819
563823
563835
563838
466409
557447
563750
563766
563780
563790
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

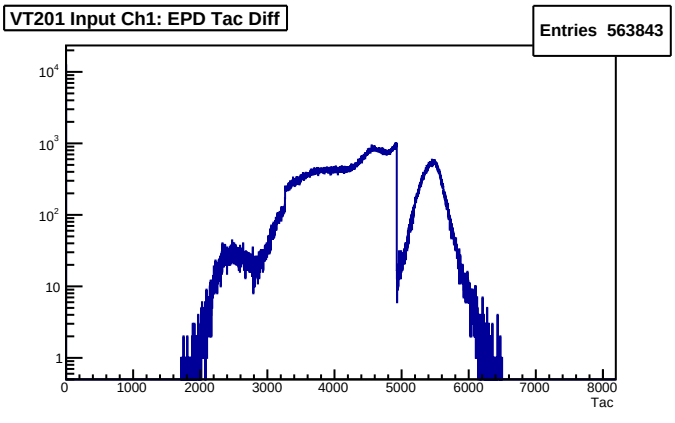

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

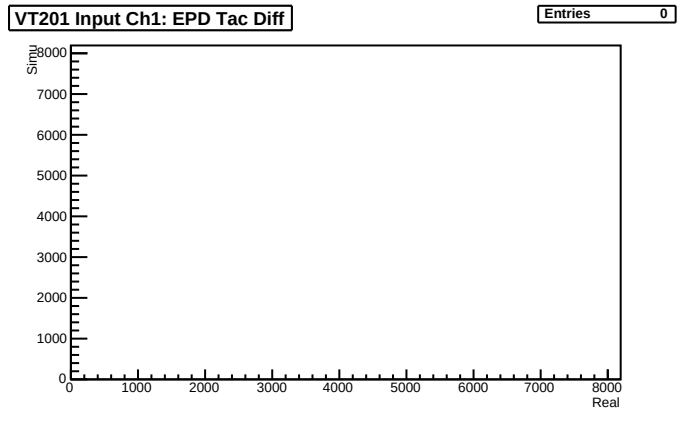

VT201 Input Ch0: BBC Small Tac Diff
Entries 563843
Tac

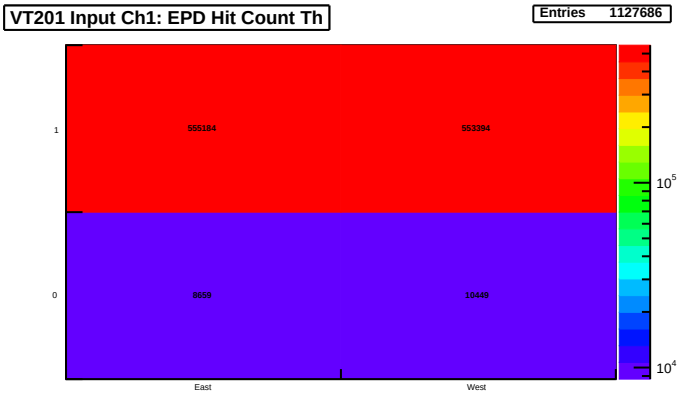

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

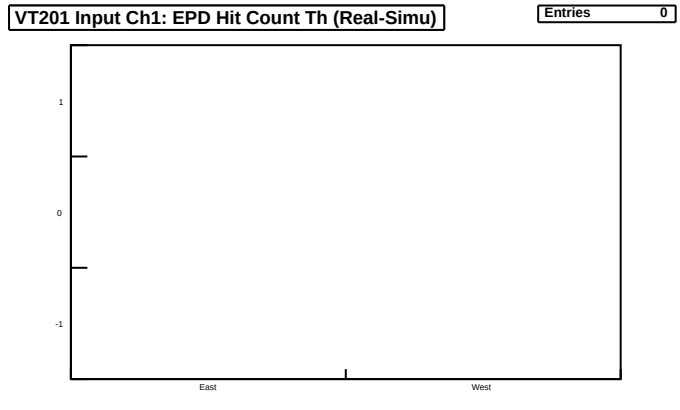

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1127686
350575
515530
213268
48313
East
West

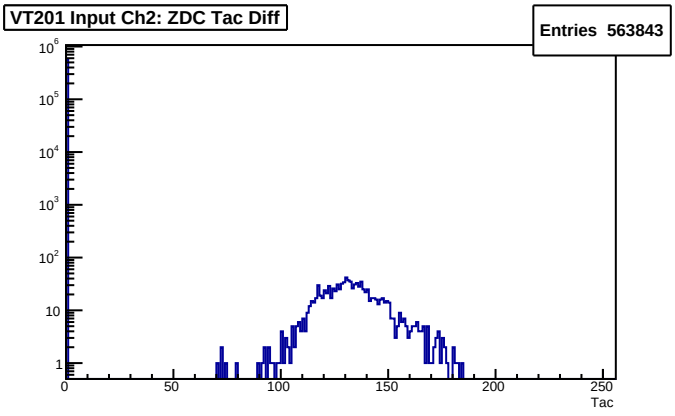

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

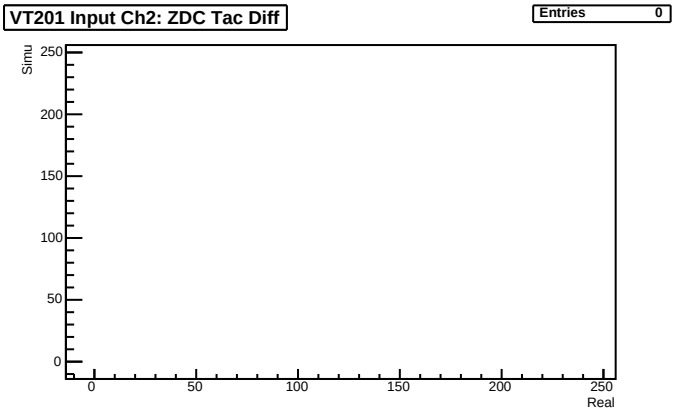

VT201 Input Ch1: EPD Tac Diff
Entries 563843
Tac

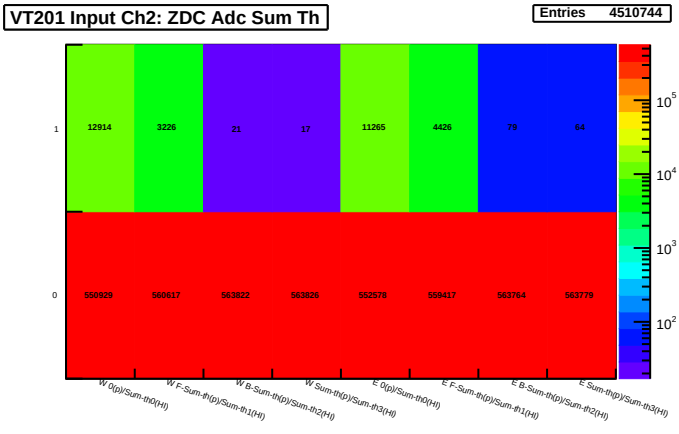

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

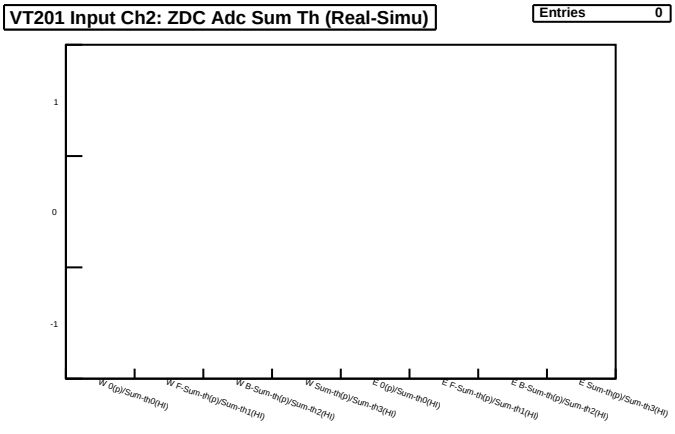

VT201 Input Ch1: EPD Hit Count Th
Entries 1127686
555184
553394
8659
10449
East
West

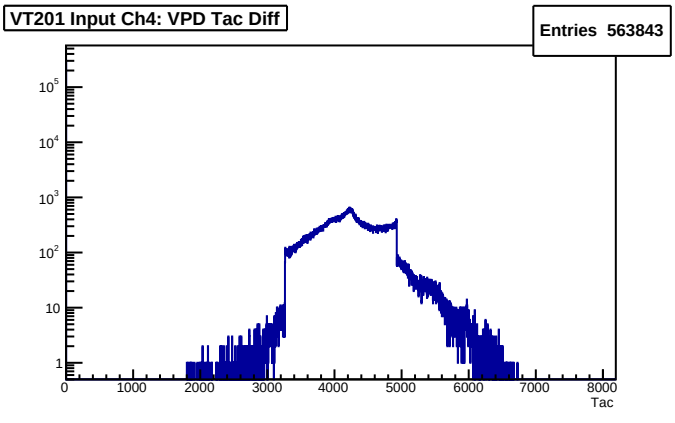

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

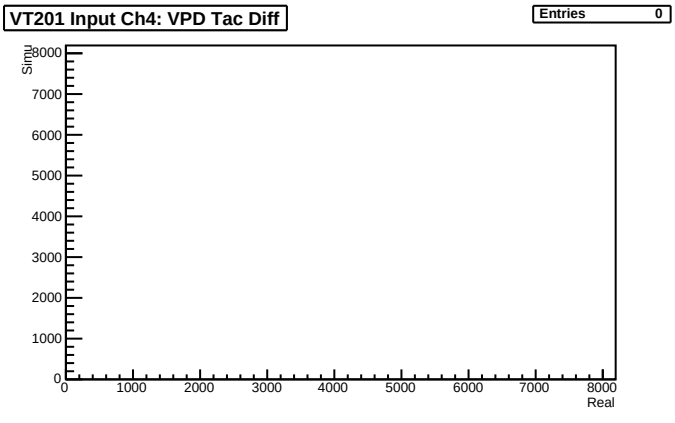

VT201 Input Ch2: ZDC Tac Diff
Entries 563843
Tac

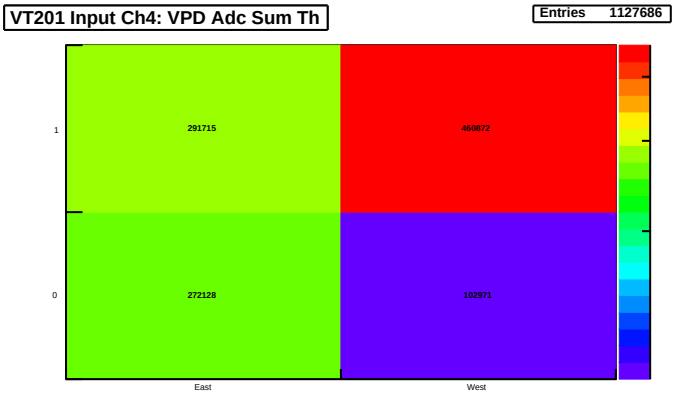

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

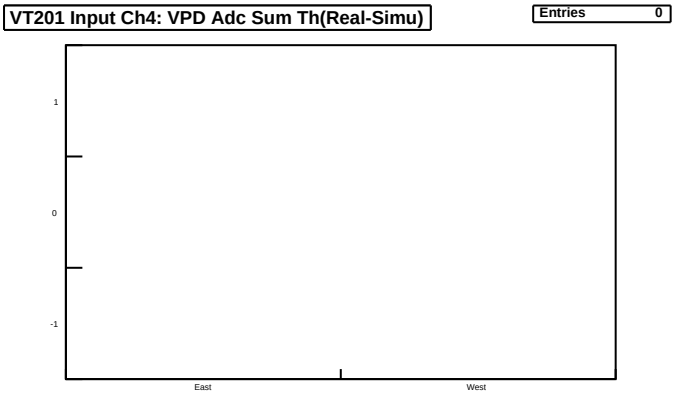

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4510744
12914
3226
21
17
11265
4426
79
64
550929
560617
563822
563826
552578
559417
563764
563779
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

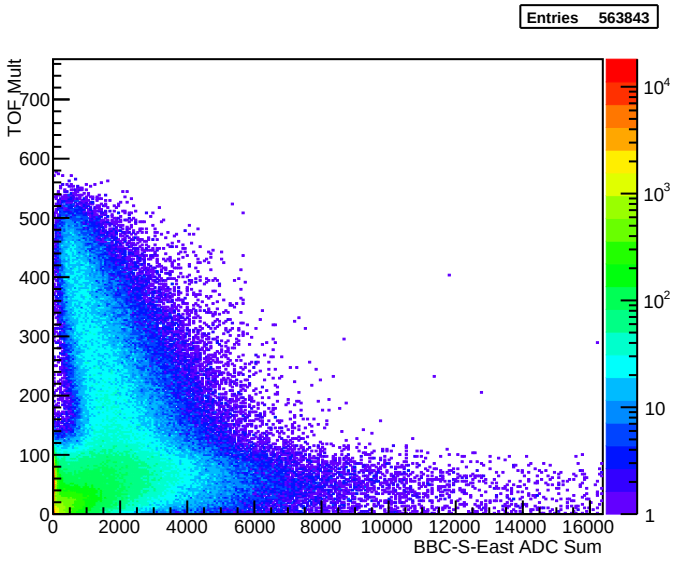

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

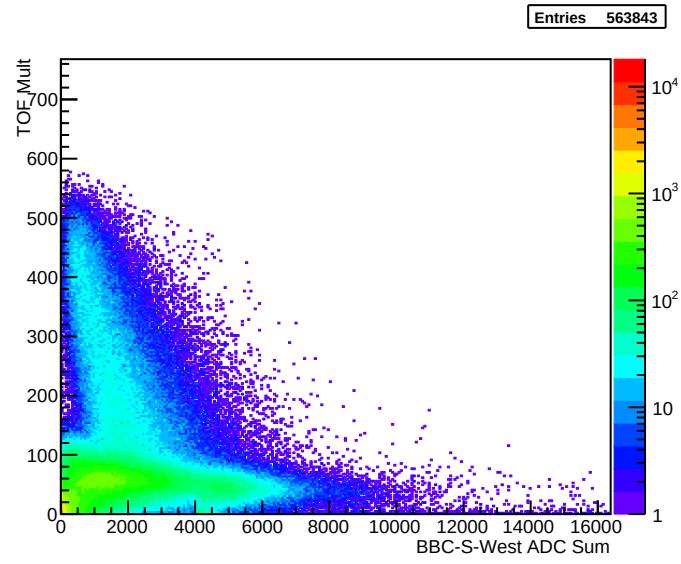

VT201 Input Ch4: VPD Tac Diff
Entries 563843
Tac

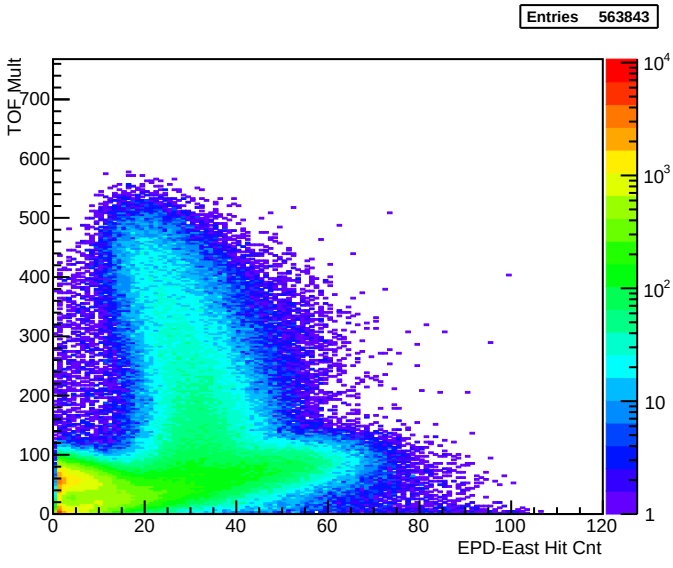

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

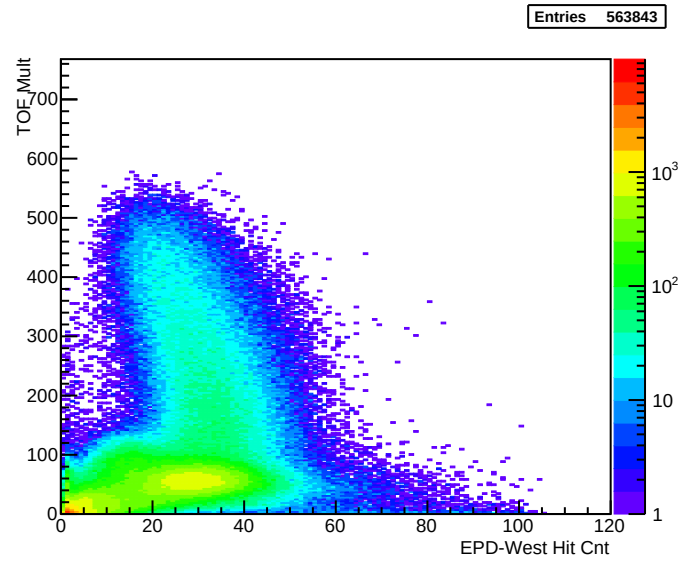

VT201 Input Ch4: VPD Adc Sum Th
Entries 1127686
291715
460872
272128
102971
East
West

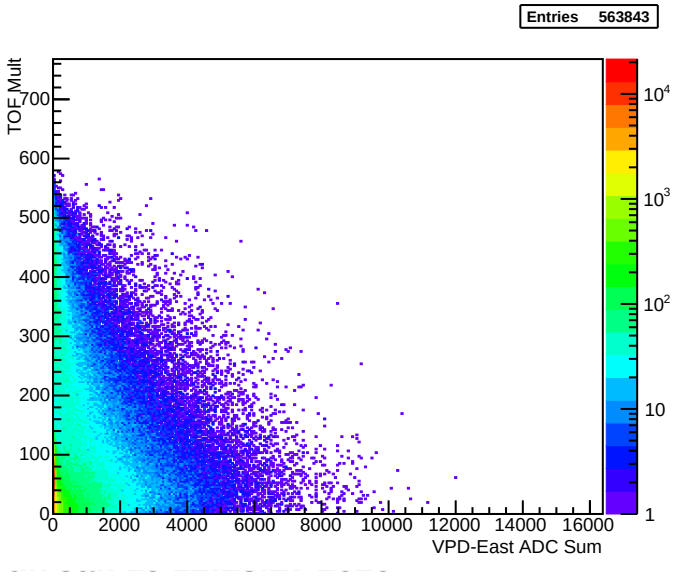

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

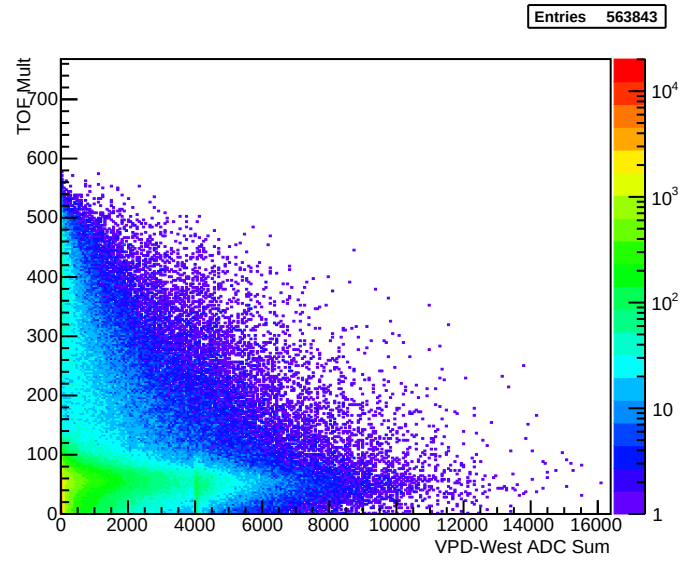

Entries 563843
TOF_Mult
BBC-S-East ADC Sum

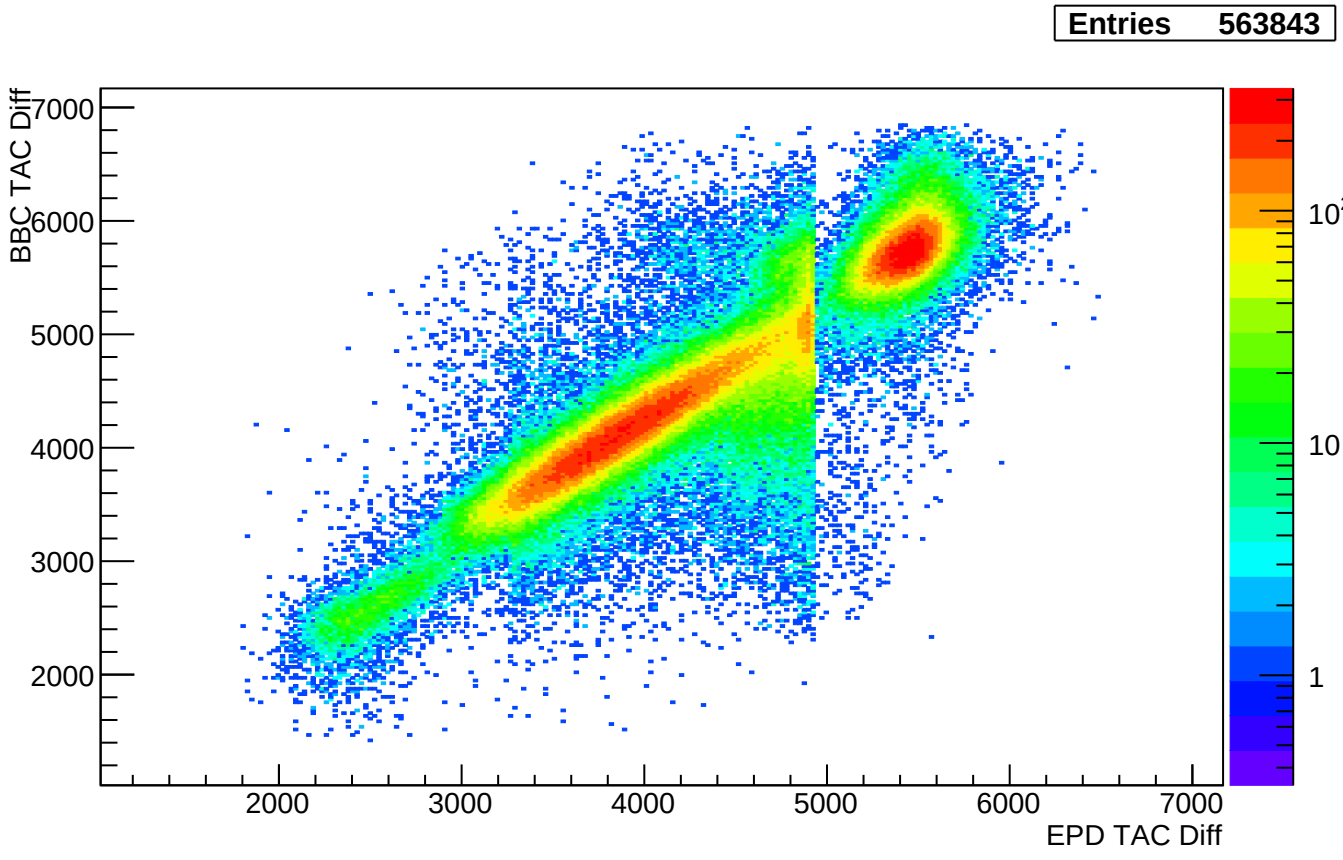

Entries 563843
TOF_Mult
BBC-S-West ADC Sum

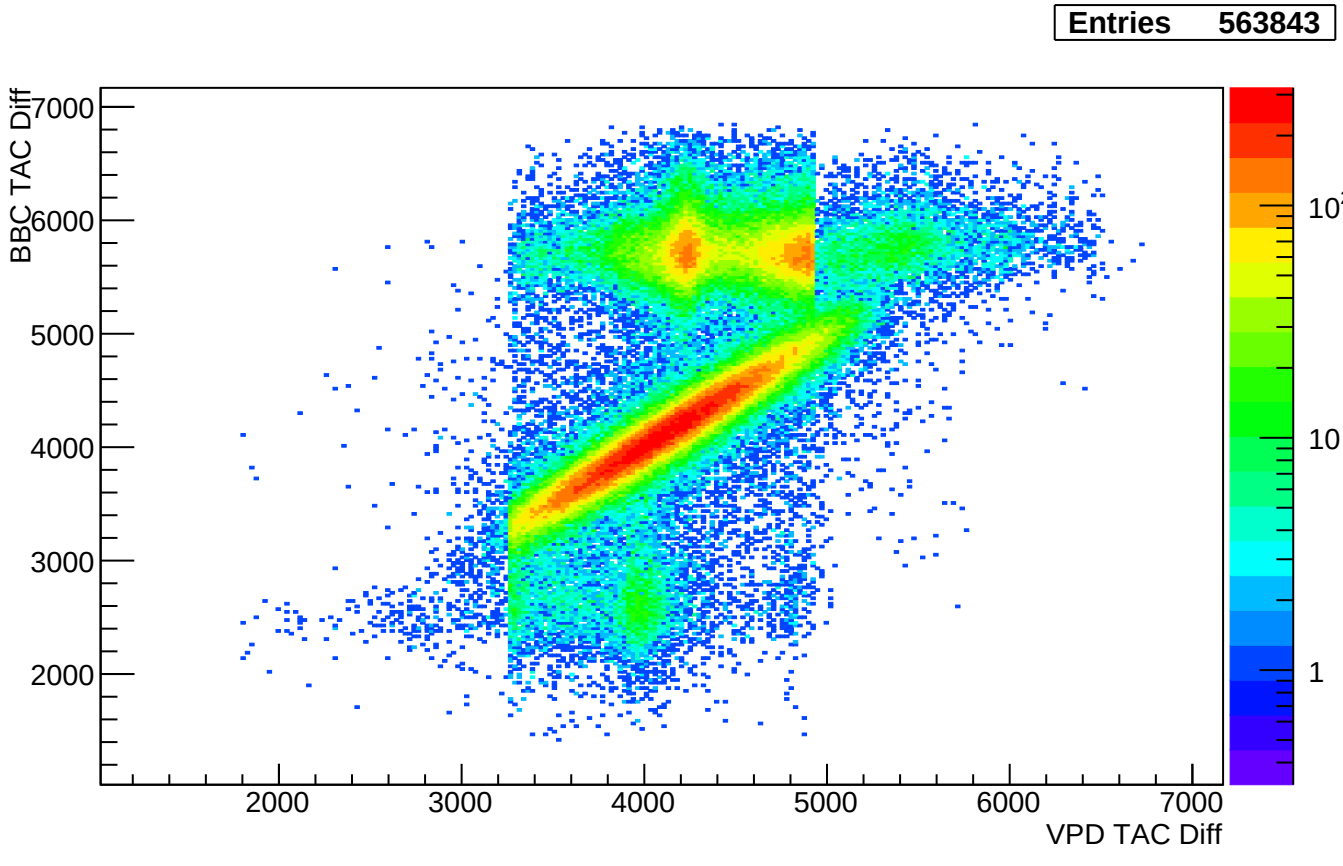

Entries 563843
TOF_Mult
EPD-East Hit Cnt

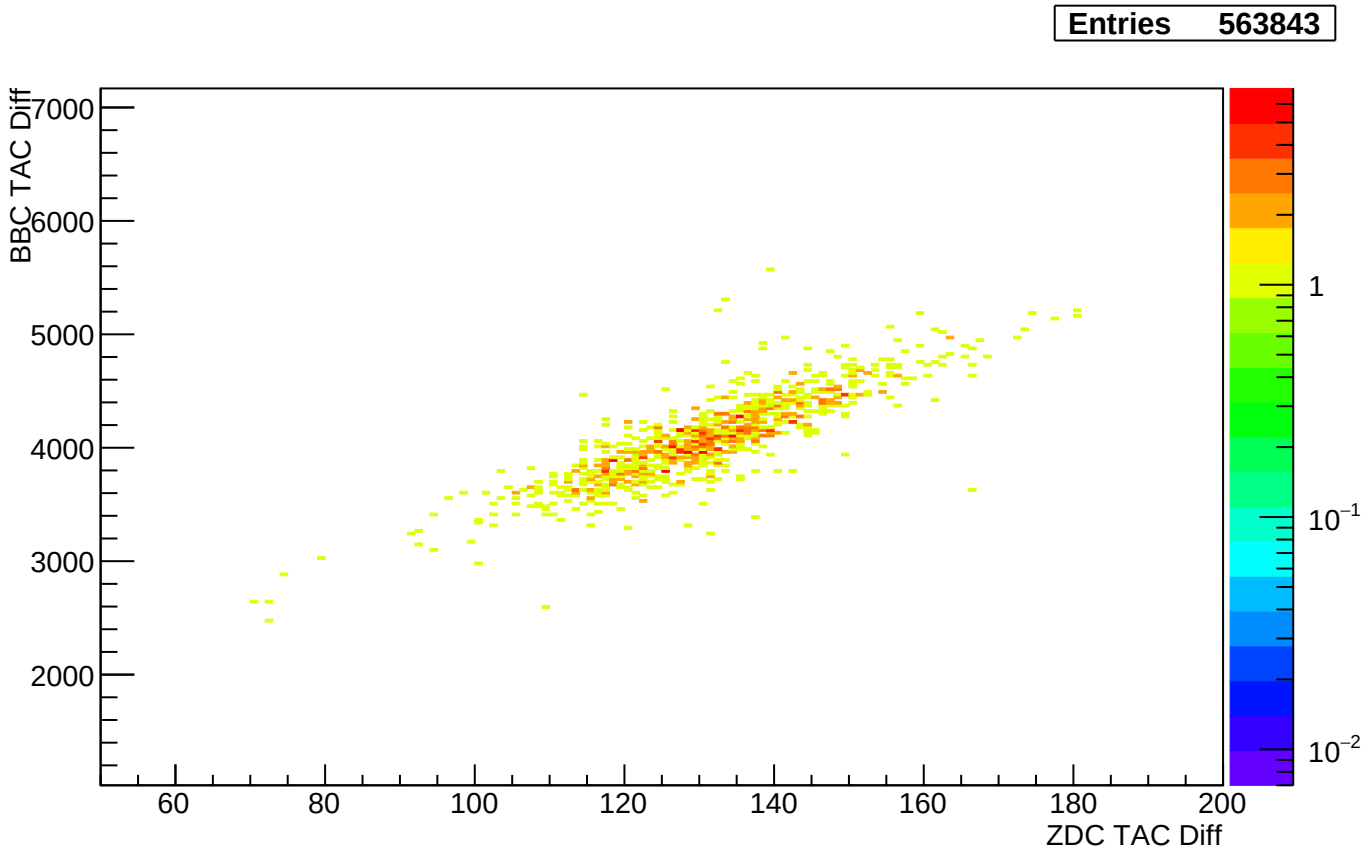

Entries 563843
TOF_Mult
EPD-West Hit Cnt

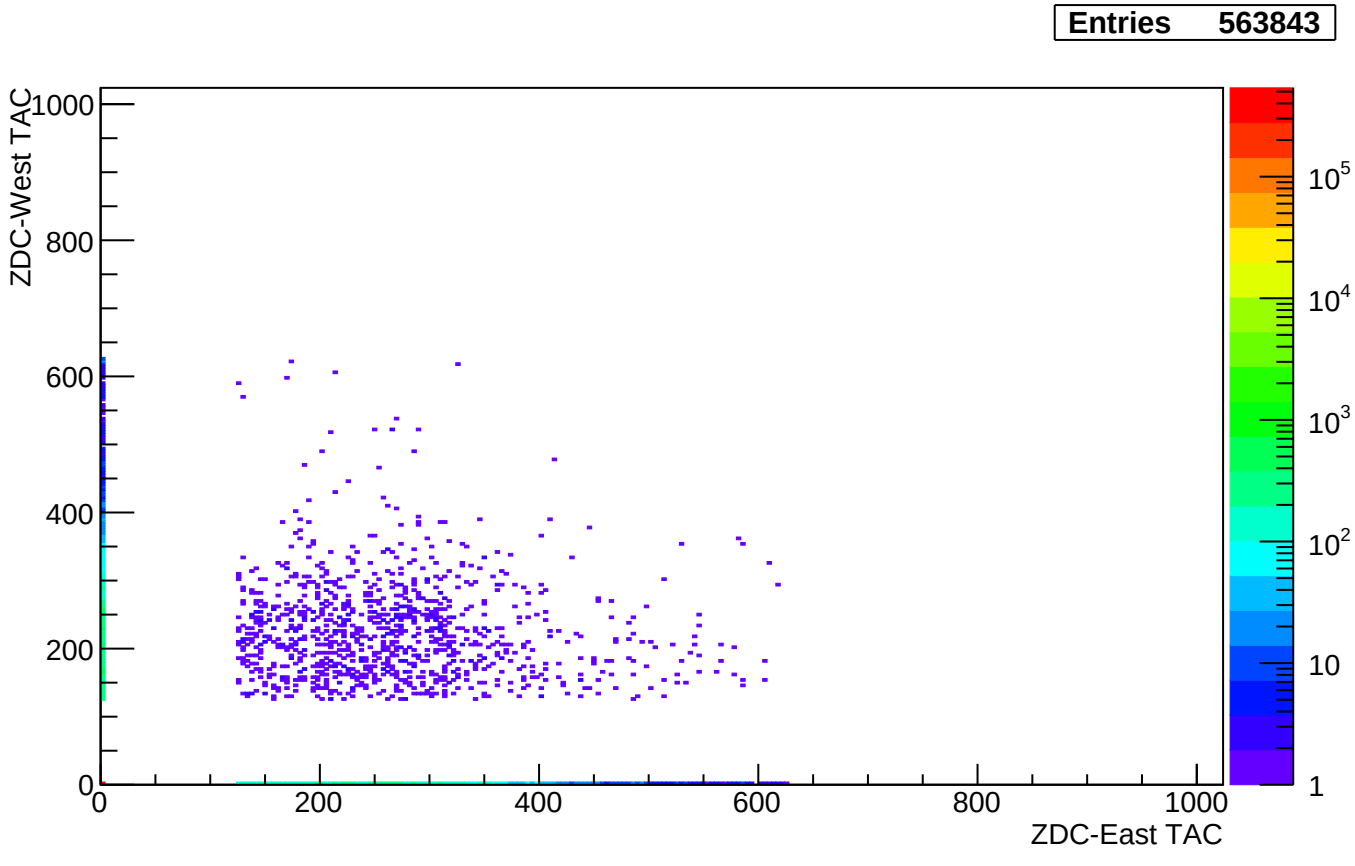

Entries 563843
TOF_Mult
VPD-East ADC Sum

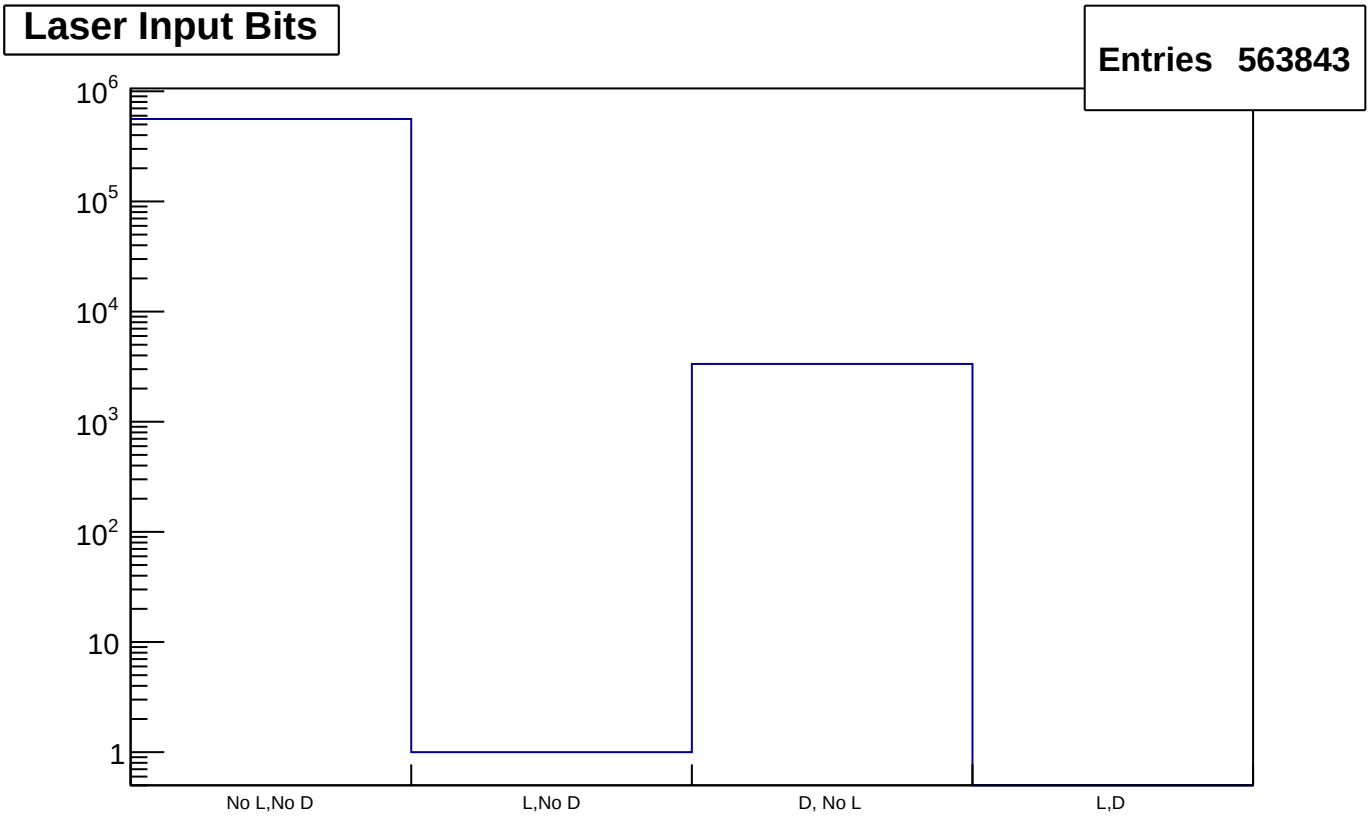

Entries 563843
TOF_Mult
VPD-West ADC Sum

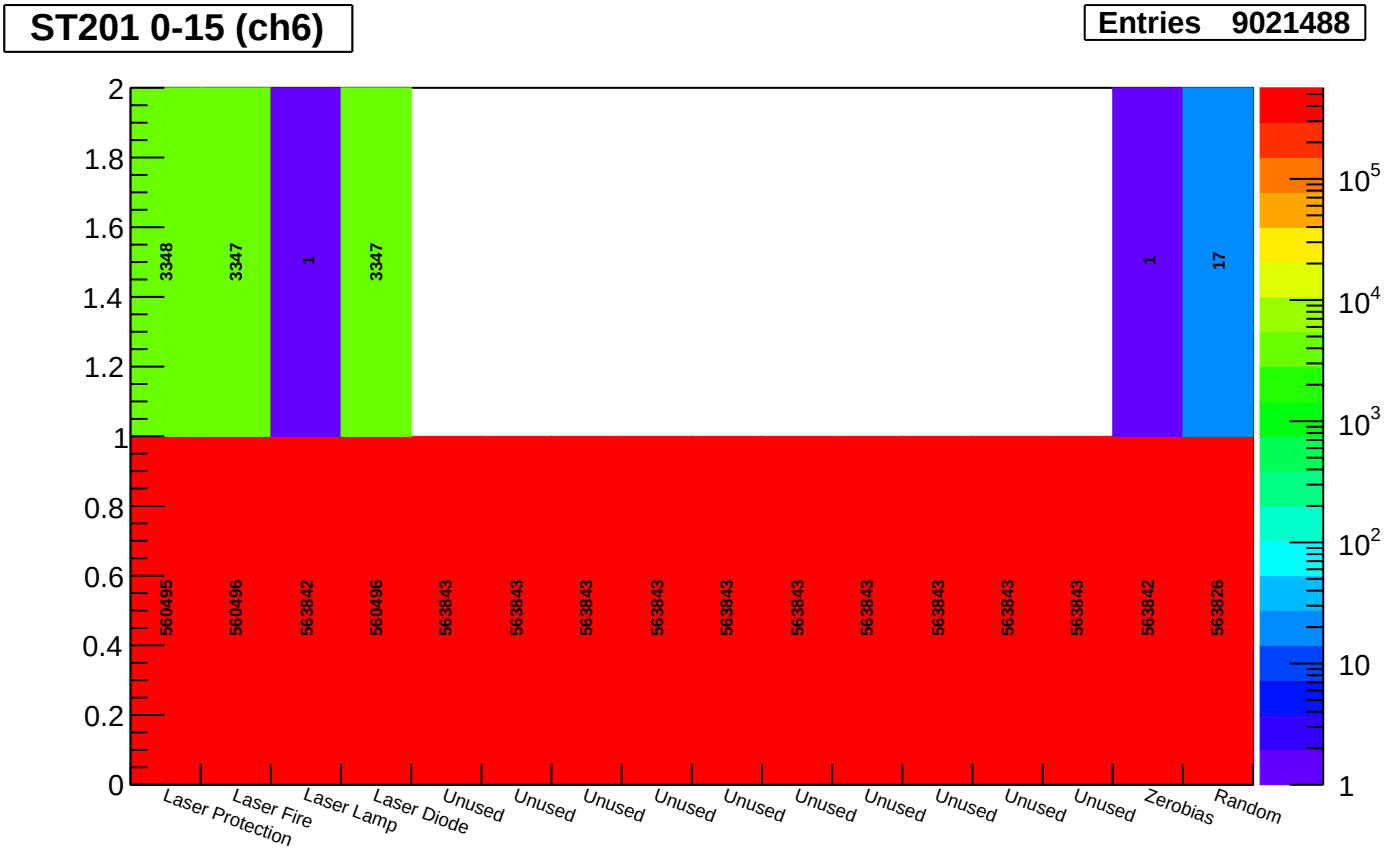

Entries 563843
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

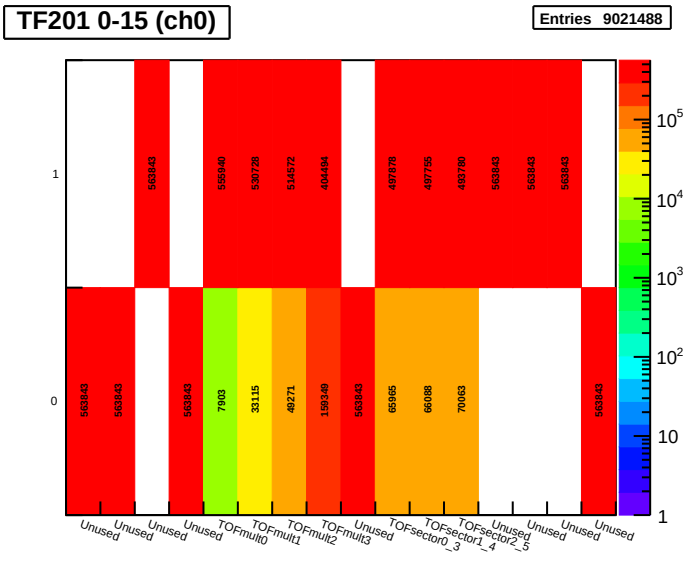

Entries 563843
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

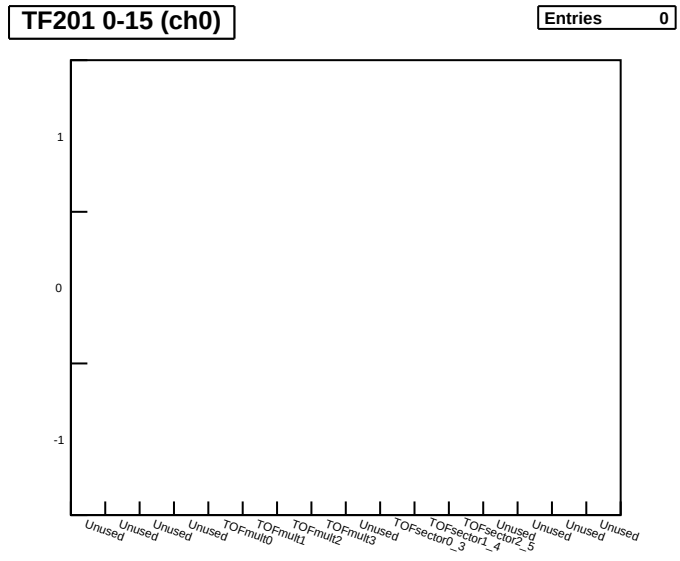

Entries 563843
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

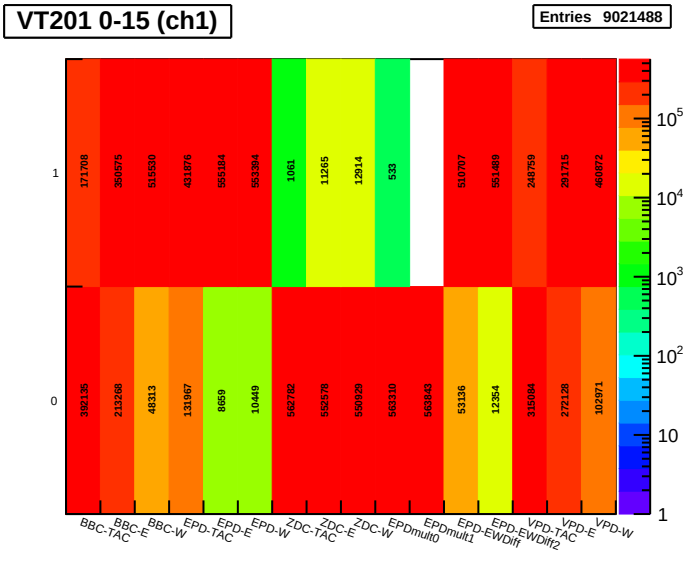

Entries 563843
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

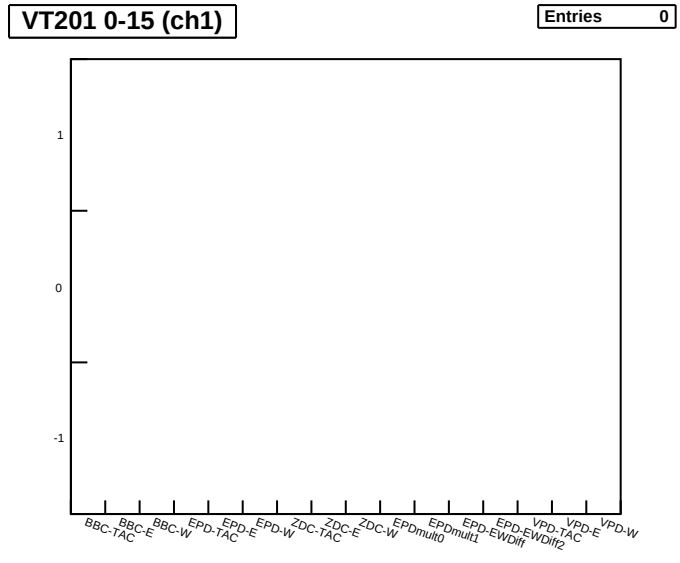

Laser Input Bits
Entries 563843
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

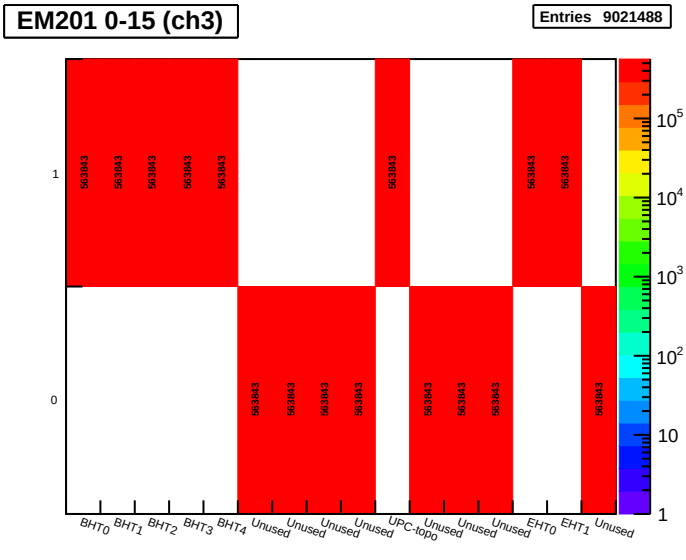

ST201 0-15 (ch6)
Entries 9021488
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3348
3347
1
3347
1
17
560495
560496
563842
560496
563843
563843
563843
563843
563843
563843
563843
563843
563843
563843
563842
563826
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

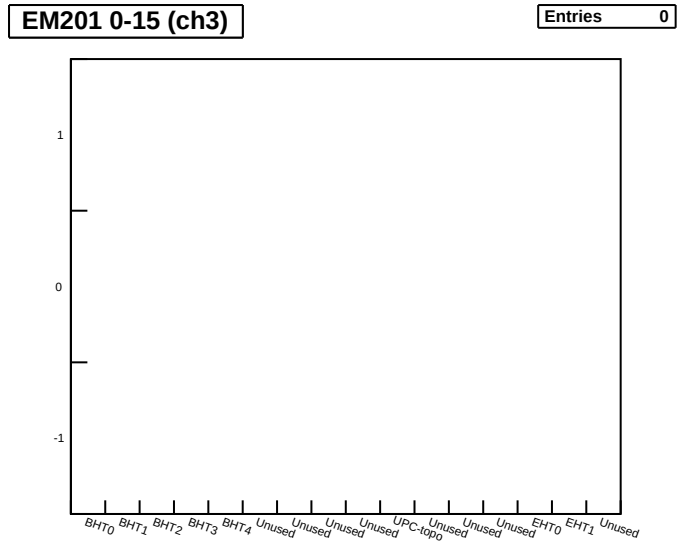

TF201 0-15 (ch0)
Entries 9021488
1
0
563843 555940 530728 514572 494494 497878 497755 493760 563843 563843 563843
563843 563843 563843 7903 33115 49271 159349 563843 65965 66088 70063 563843
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 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


VT201 0-15 (ch1)
Entries 9021488
1
0
171708 350575 515530 431876 555184 563394 1061 11265 12914 533 510707 551489 248759 291715 460872
392135 213268 48313 131967 8659 10449 562782 552578 550129 563310 563843 53136 12354 315084 272128 102971
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 9021488
1
0
563843 563843 563843 563843 563843 563843 563843 563843
563843 563843 563843 563843 563843 563843 563843 563843
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