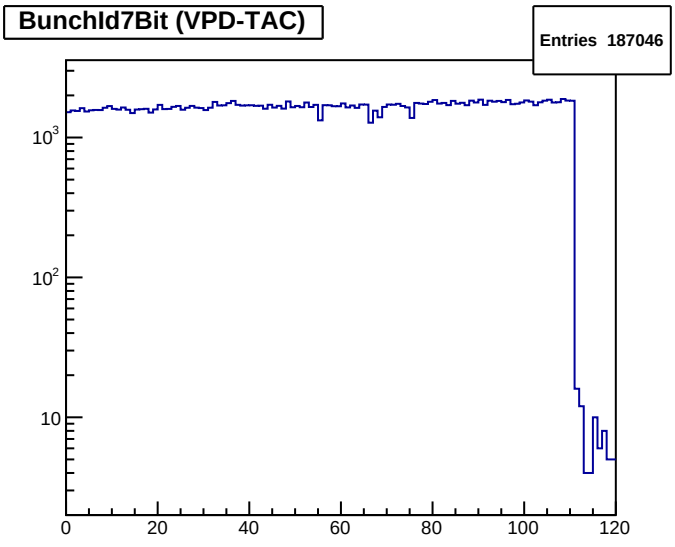
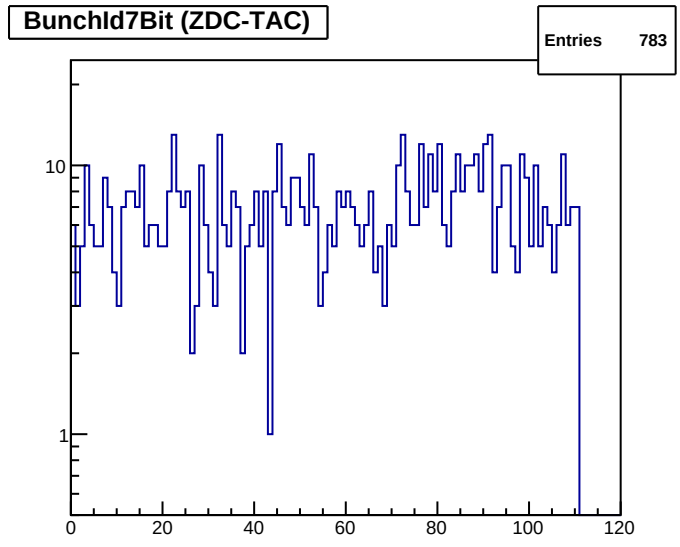
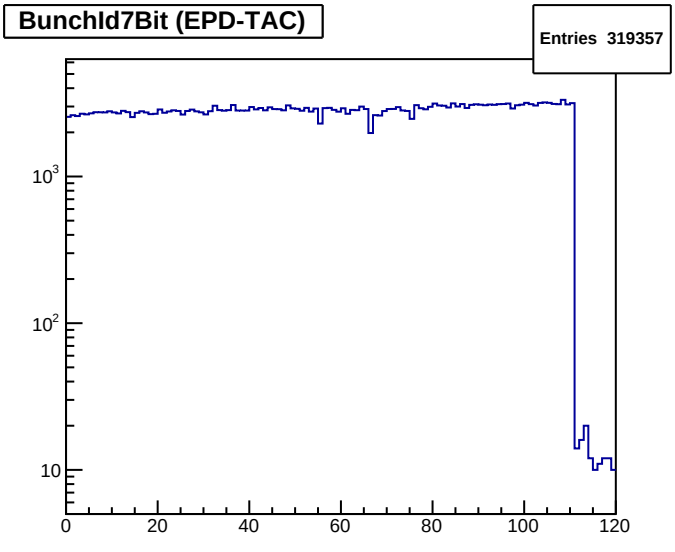
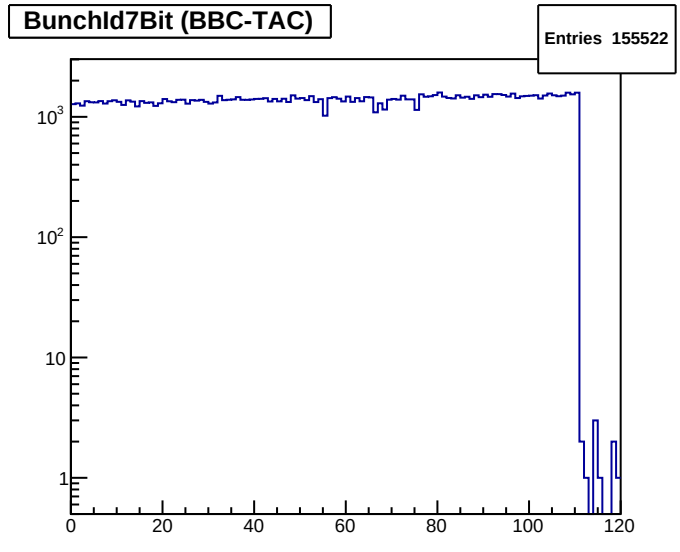
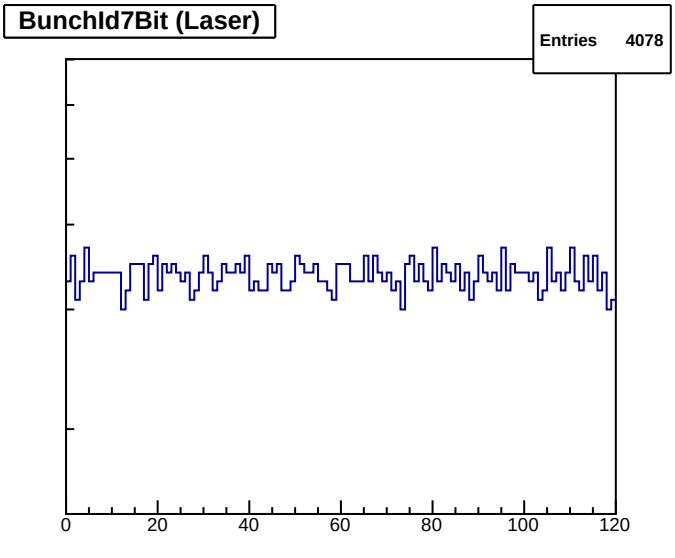
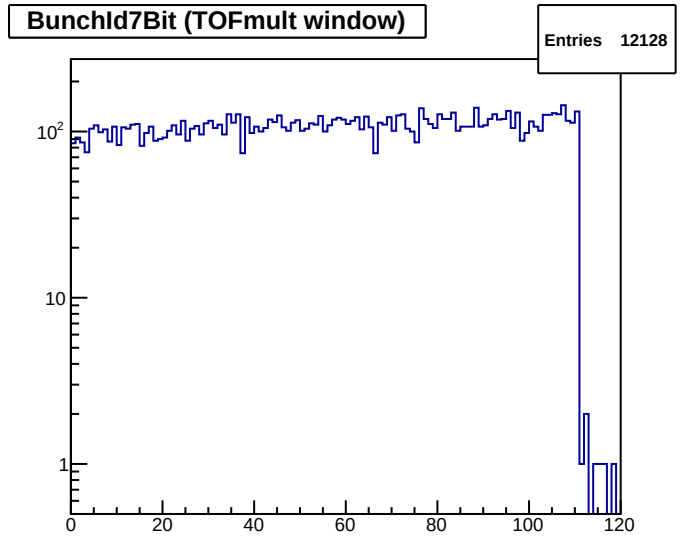

BunchId7Bit (VPD-TAC)
Entries 187046
10^3
10^2
10
0 20 40 60 80 100 120

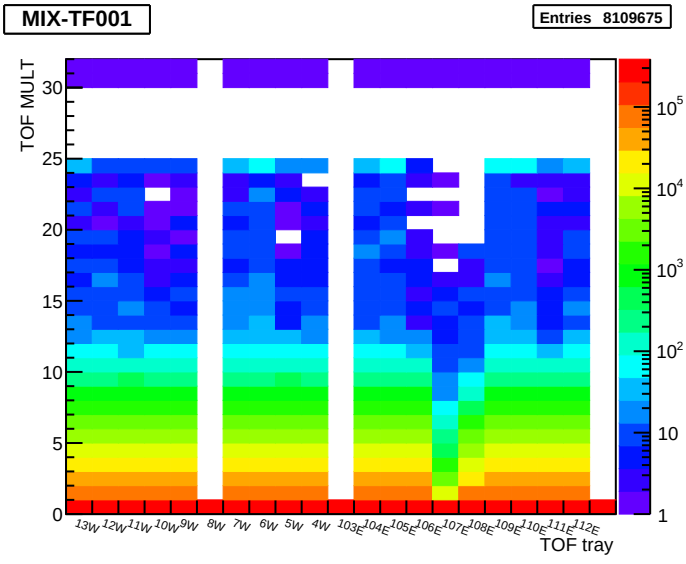

BunchId7Bit (ZDC-TAC)
Entries 783
10
1
0 20 40 60 80 100 120

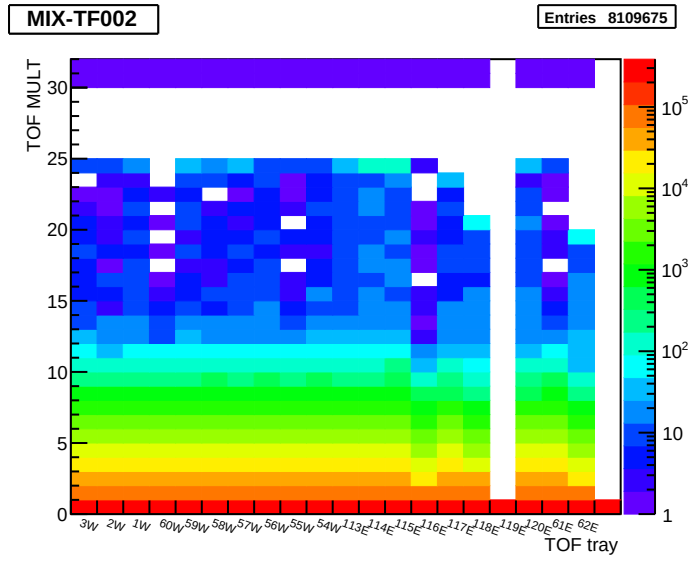

BunchId7Bit (EPD-TAC)
Entries 319357
10^3
10^2
10
0 20 40 60 80 100 120

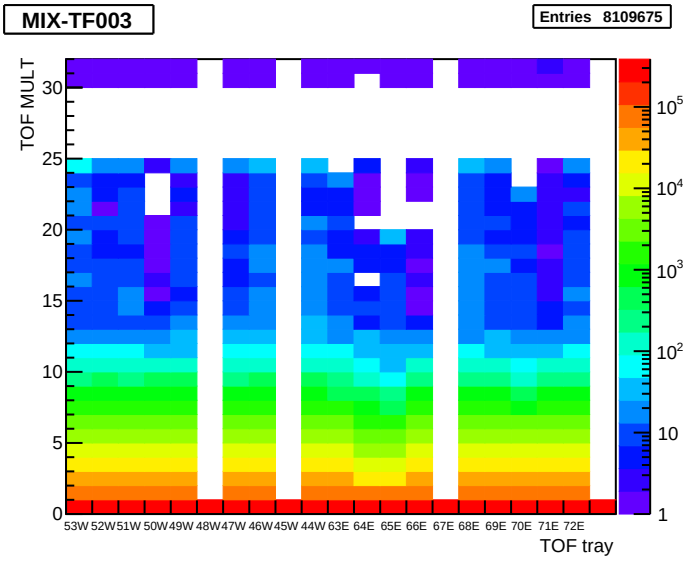

BunchId7Bit (BBC-TAC)
Entries 155522
10^3
10^2
10
1
0 20 40 60 80 100 120

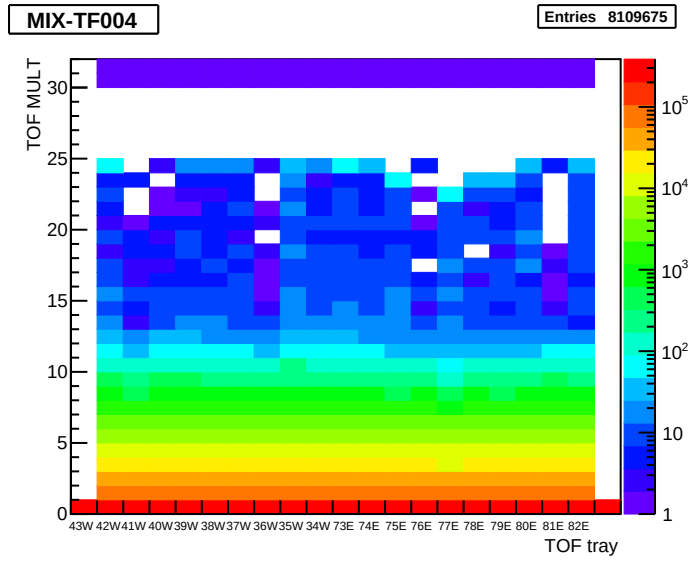

BunchId7Bit (Laser)
Entries 4078
0 20 40 60 80 100 120

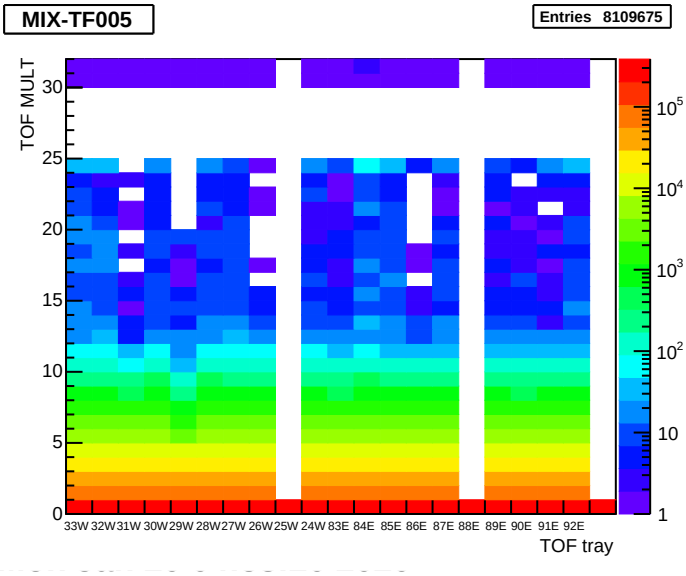

BunchId7Bit (TOFmult window)
Entries 12128
10^2
10
1
0 20 40 60 80 100 120

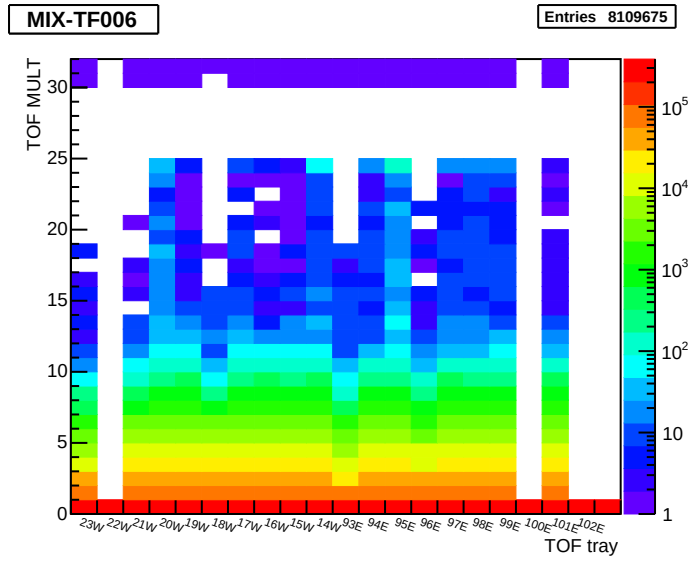

MIX-TF001
Entries 8109675
TOF MULT
TOF tray

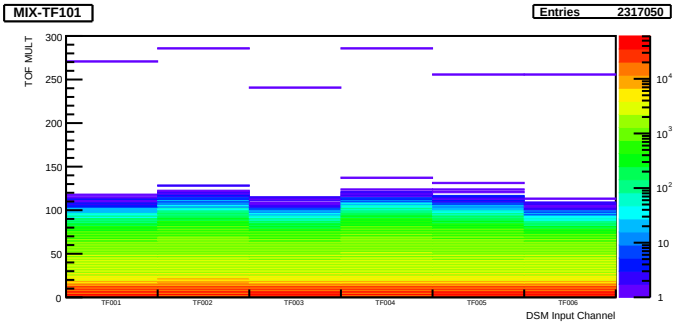

MIX-TF002
Entries 8109675
TOF MULT
TOF tray

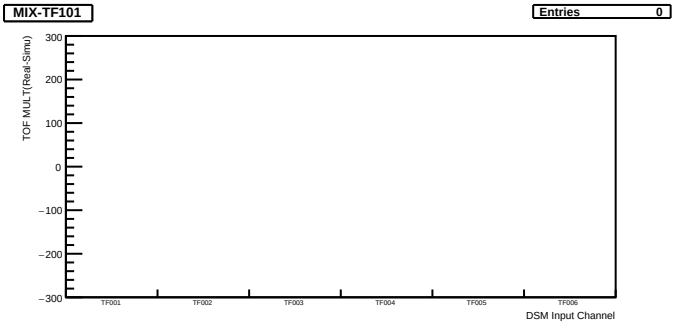

MIX-TF003
Entries 8109675
TOF MULT
TOF tray

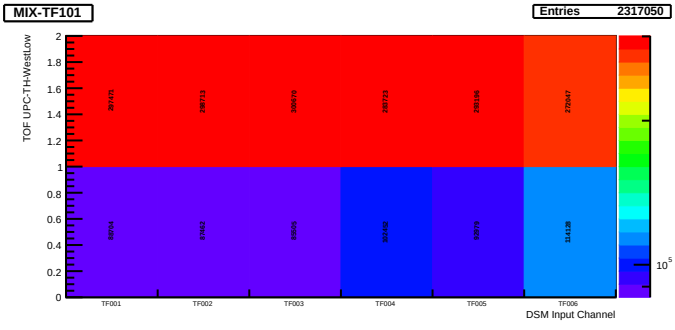

MIX-TF004
Entries 8109675
TOF MULT
TOF tray

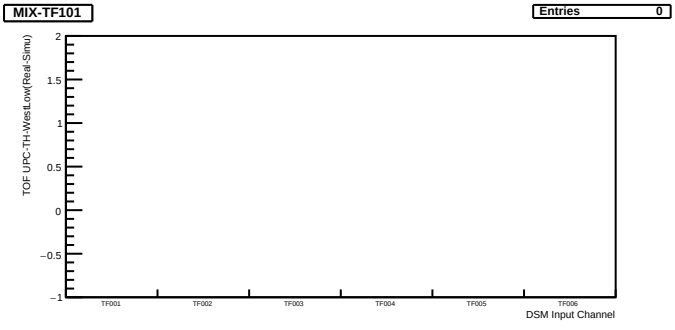

MIX-TF005
Entries 8109675
TOF MULT
TOF tray

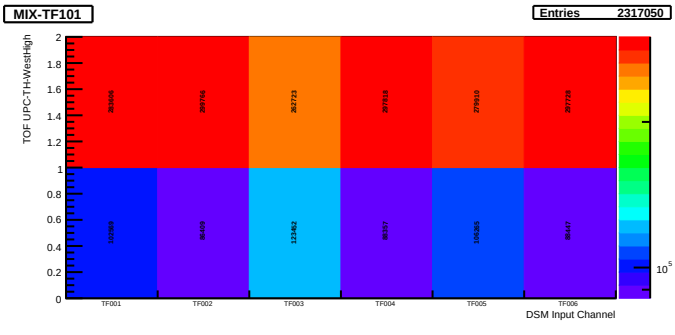

MIX-TF006
Entries 8109675
TOF MULT
TOF tray

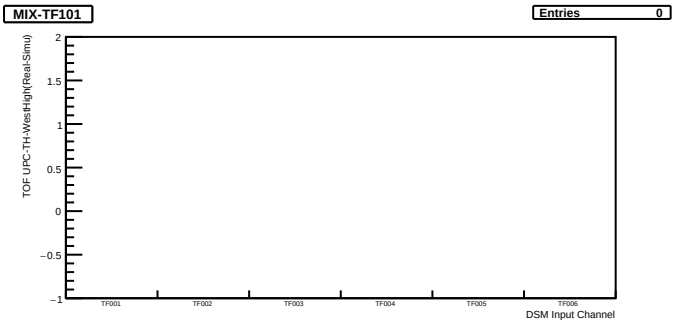

MIX-TF101
Entries 2317050
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

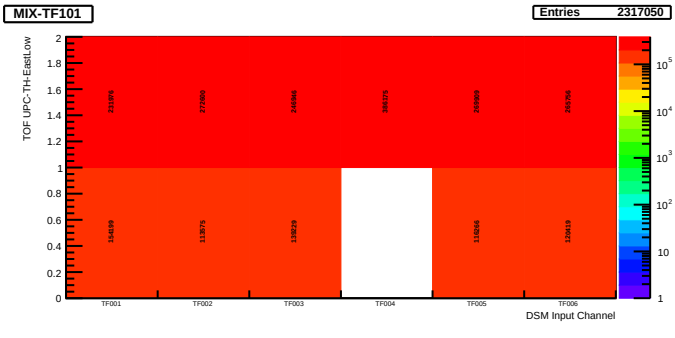

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

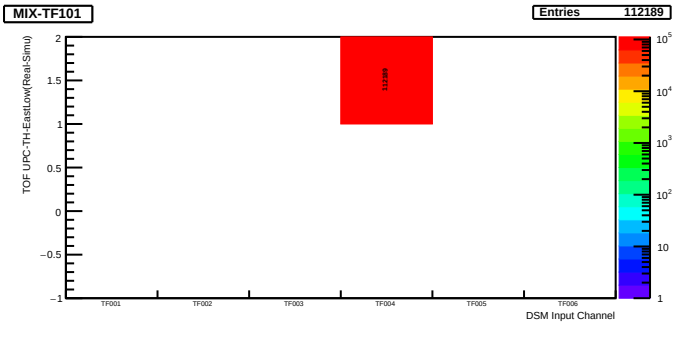

MIX-TF101
Entries 2317050
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

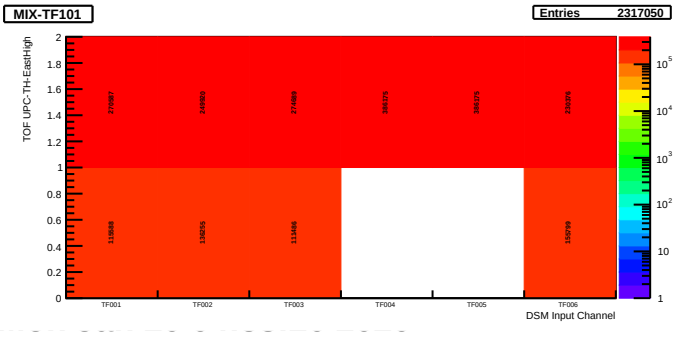

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

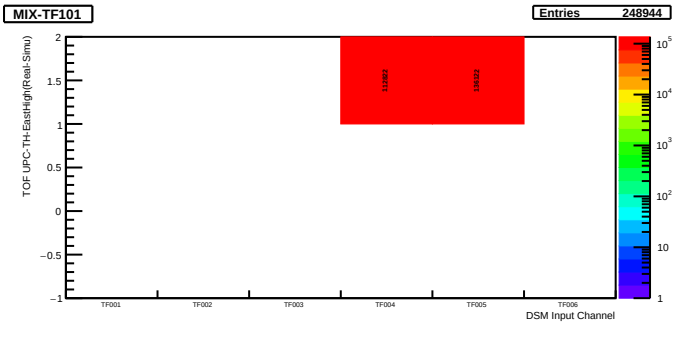

MIX-TF101
Entries 2317050
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

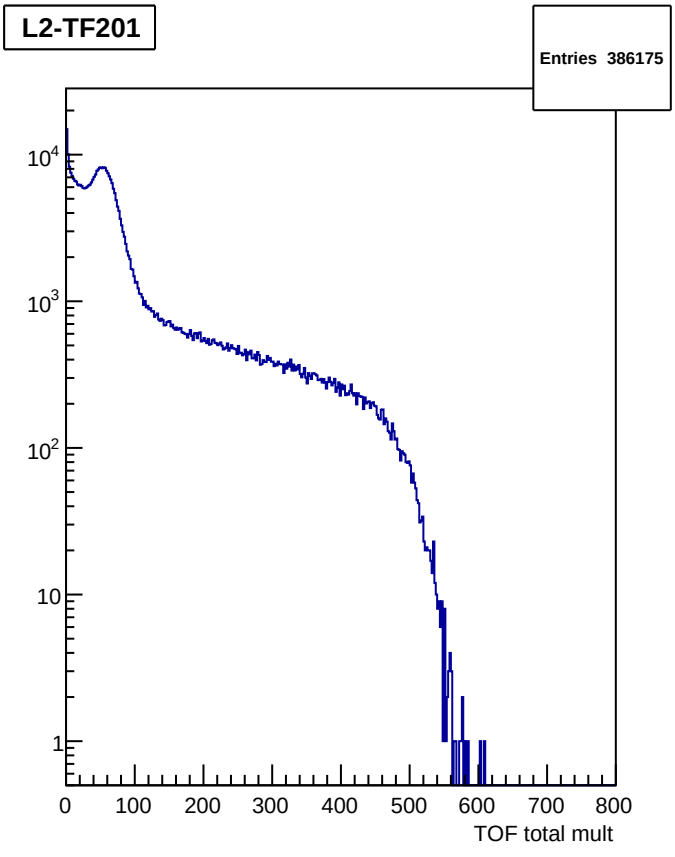

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

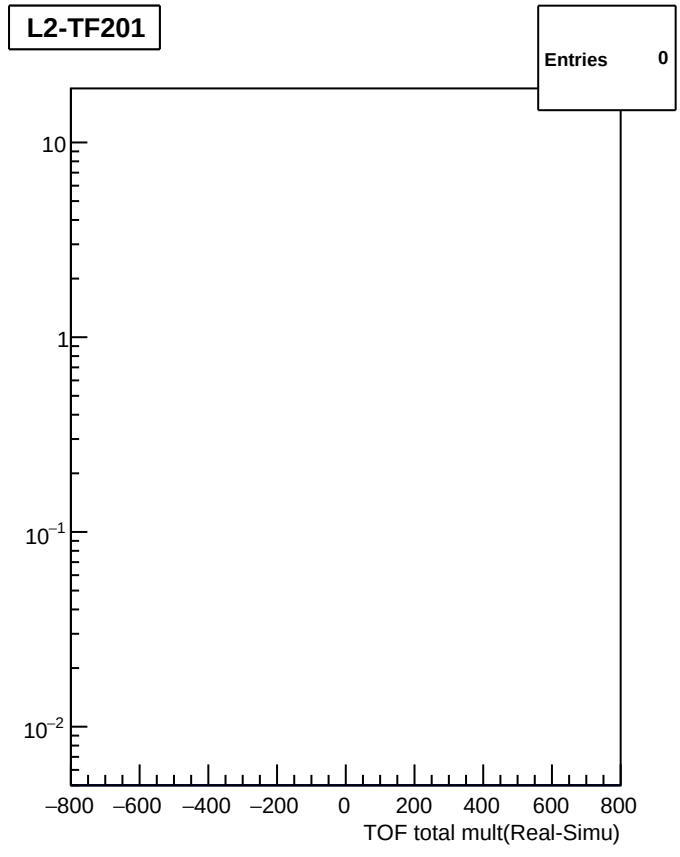

MIX-TF101
Entries 2317050
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

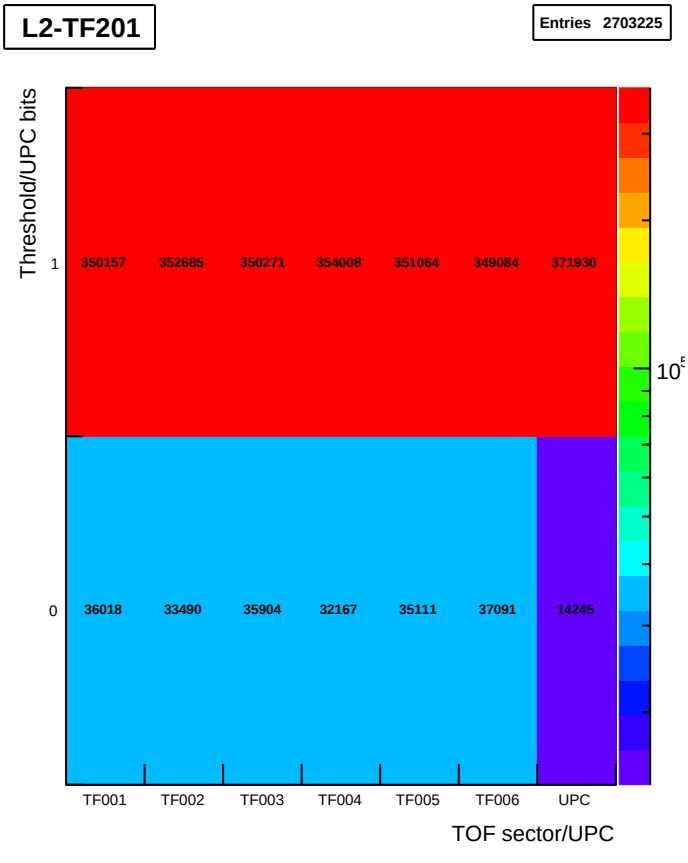

MIX-TF101
Entries 112189
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

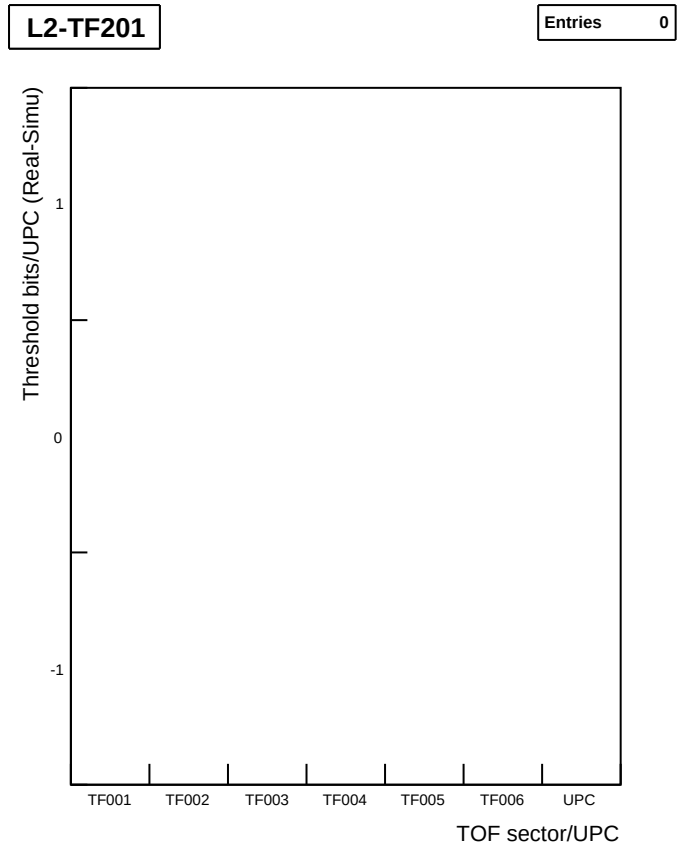

MIX-TF101
Entries 2317050
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

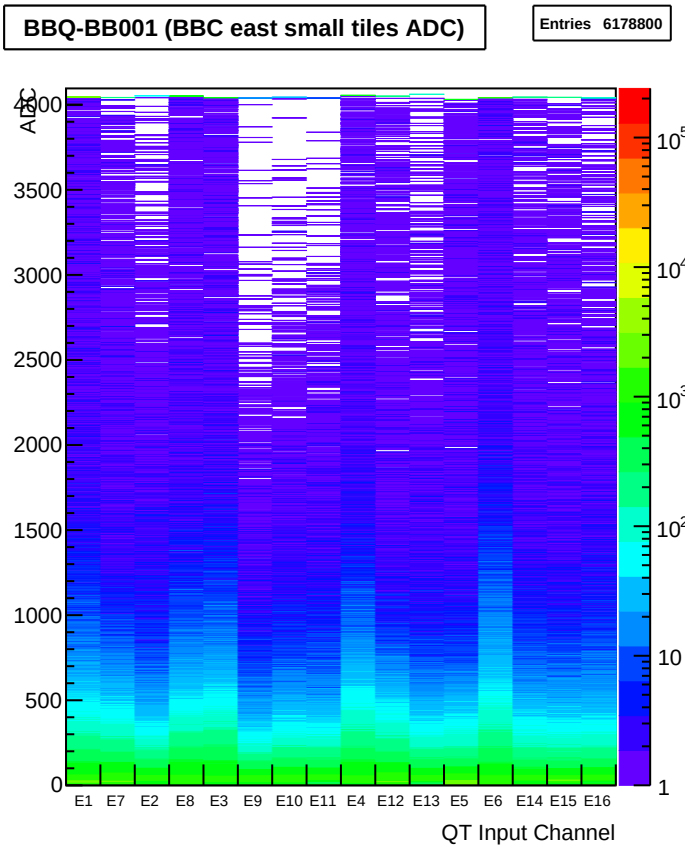

MIX-TF101
Entries 248944
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

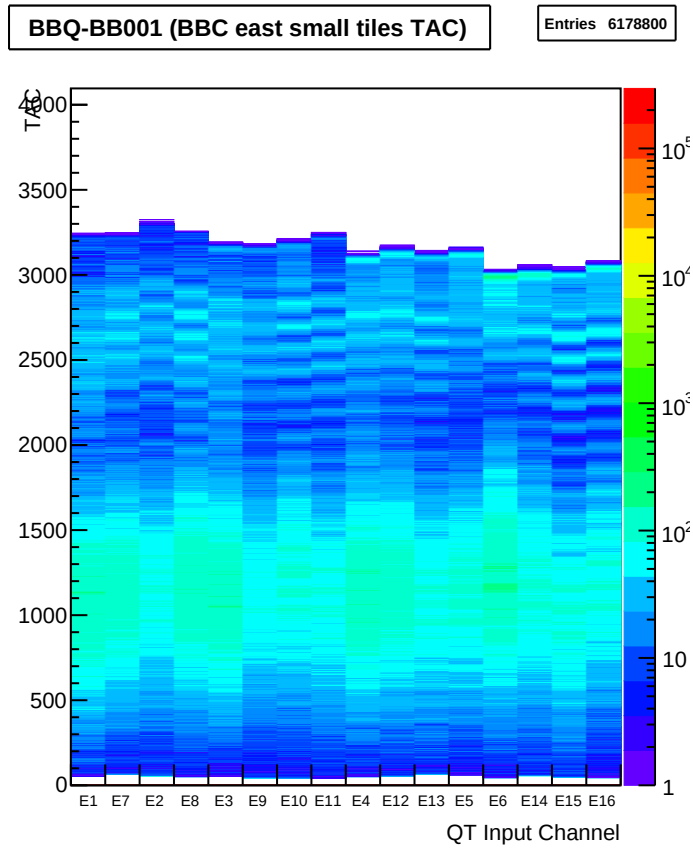

L2-TF201
Entries 386175
TOF total mult

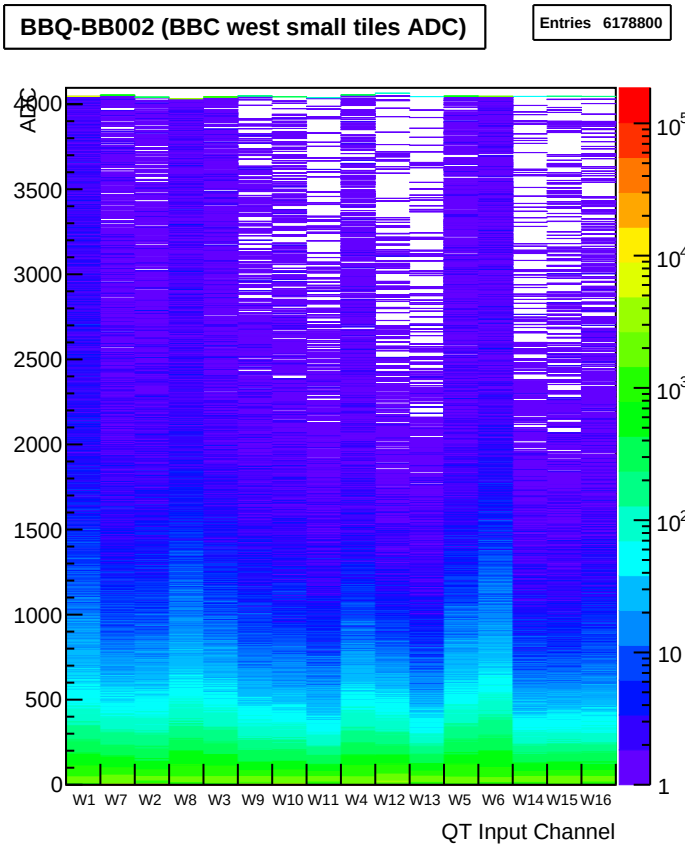

L2-TF201
Entries 0
TOF total mult(Real-Simu)

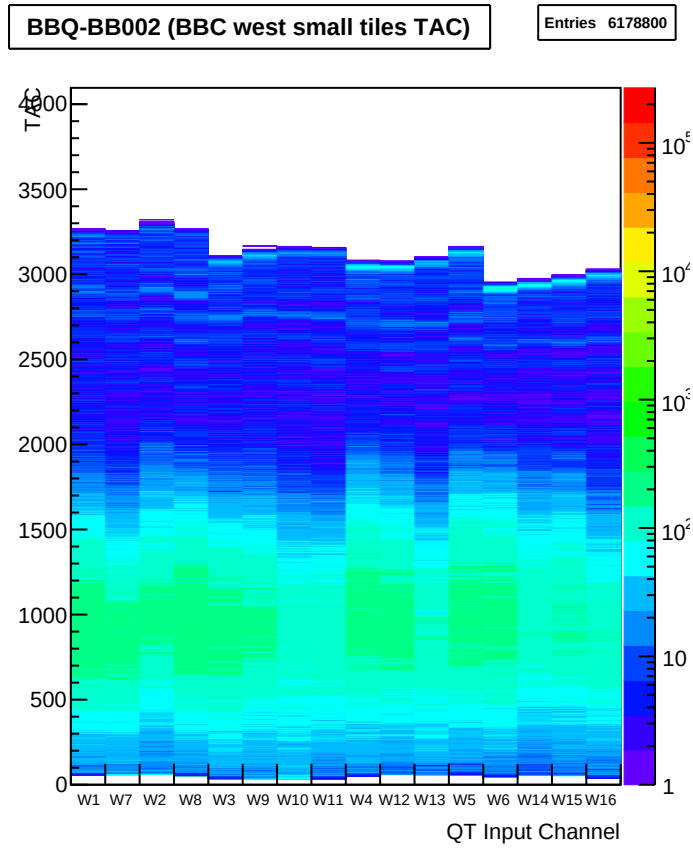

L2-TF201
Entries 2703225
Threshold/UPC bits
350157 352685 350271 354008 351064 349084 371930
36018 33490 35904 32167 35111 37091 14245
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

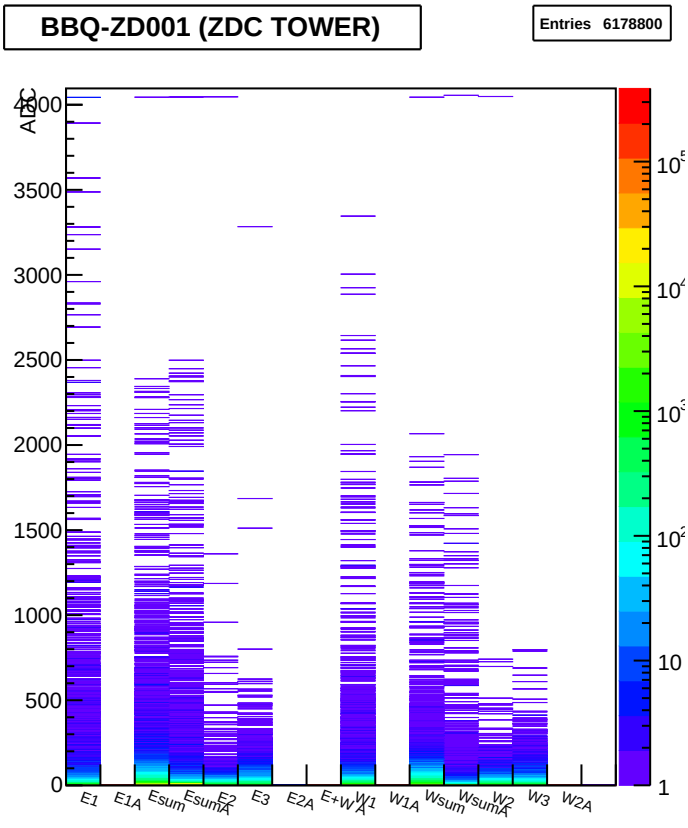

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

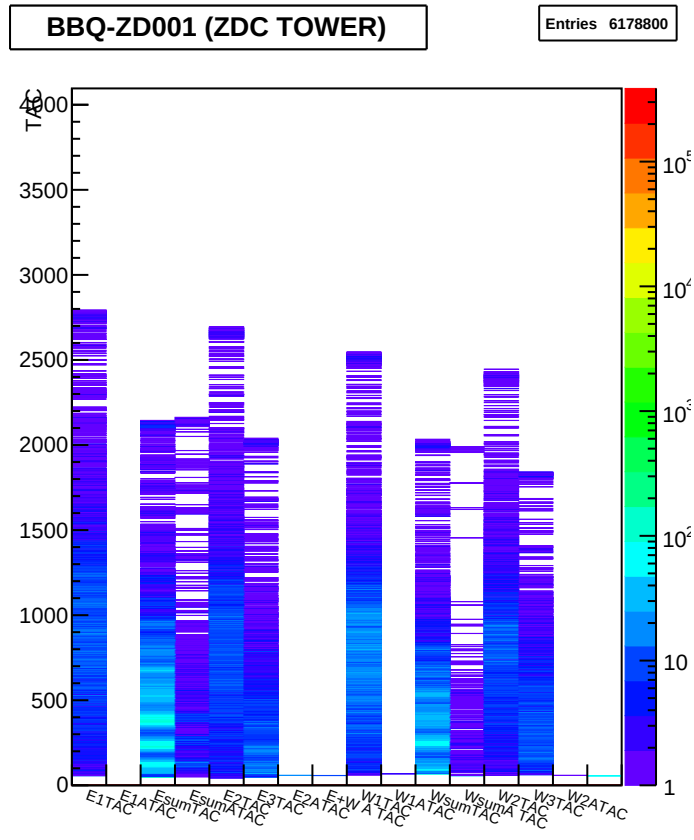

BBQ-BB001 (BBC east small tiles ADC)
Entries 6178800
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

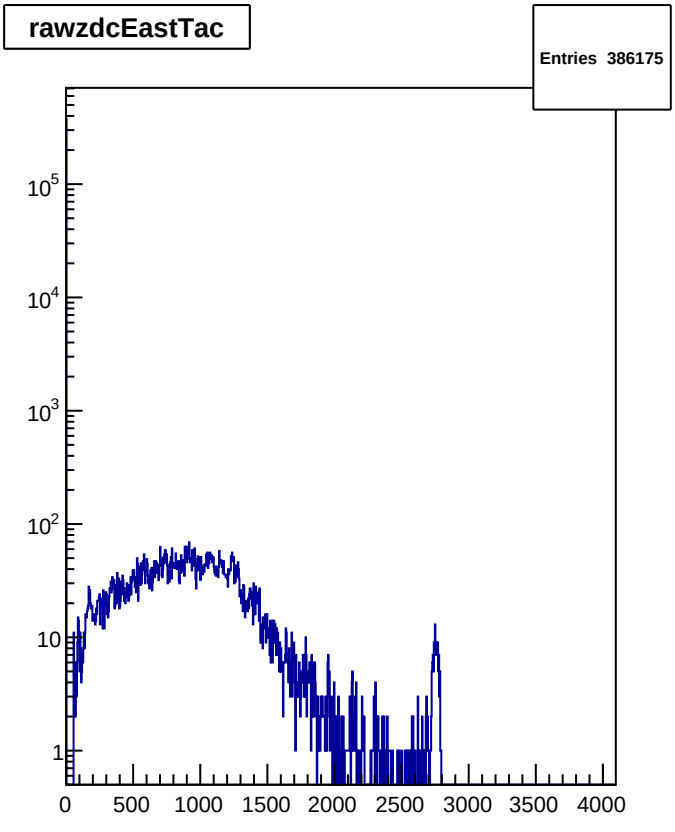

BBQ-BB001 (BBC east small tiles TAC)
Entries 6178800
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

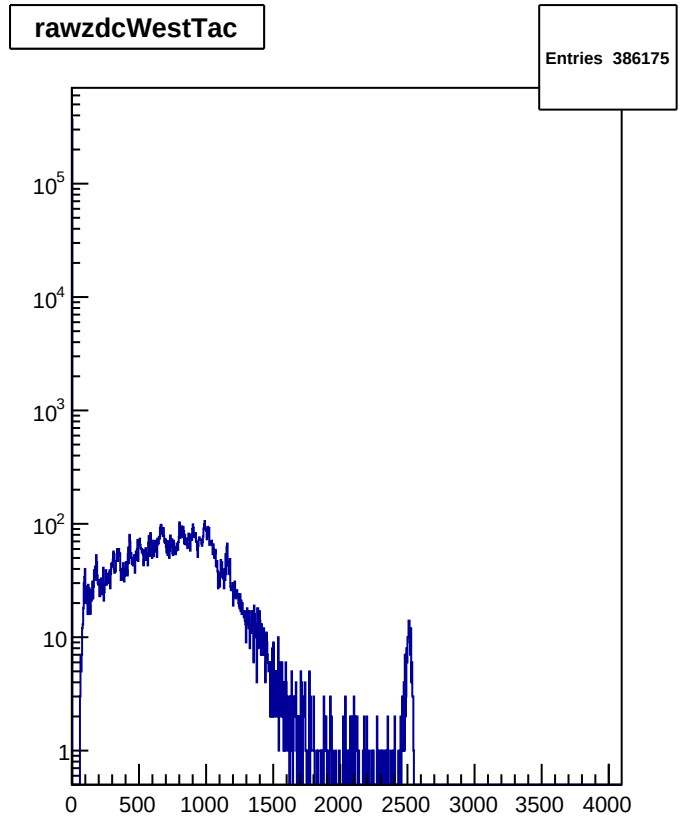

BBQ-BB002 (BBC west small tiles ADC)
Entries 6178800
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

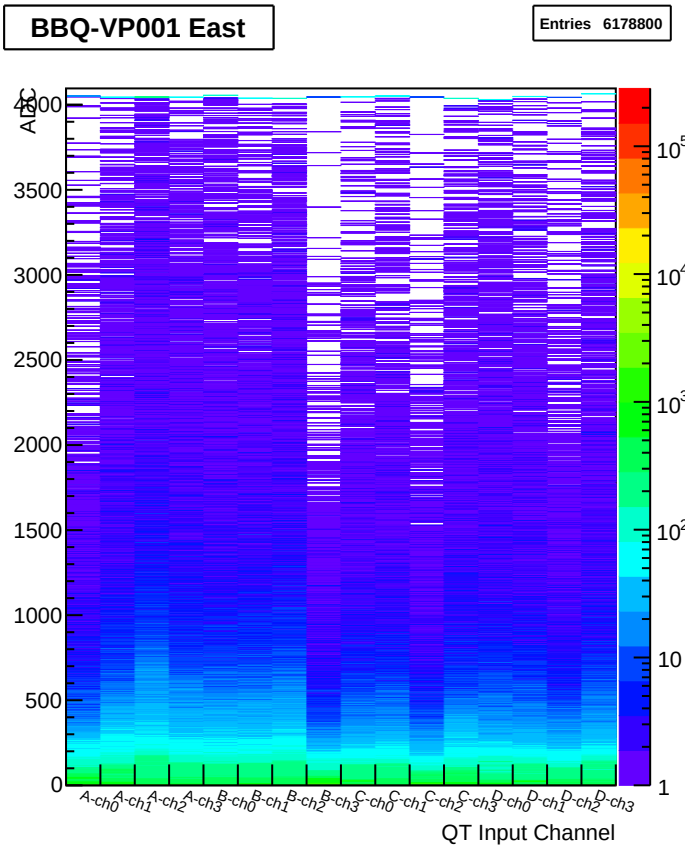

BBQ-BB002 (BBC west small tiles TAC)
Entries 6178800
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

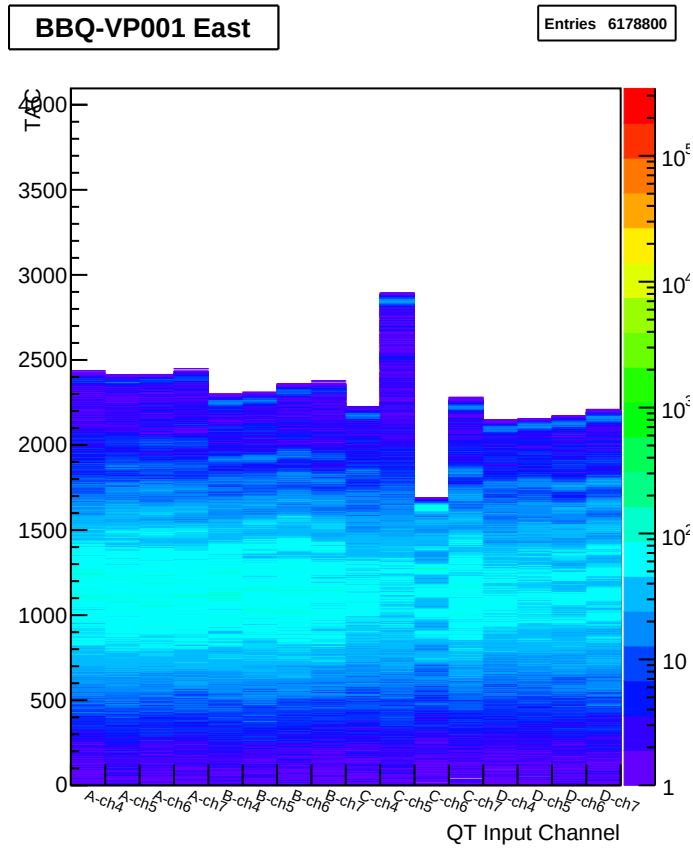

BBQ-ZD001 (ZDC TOWER)
Entries 6178800
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

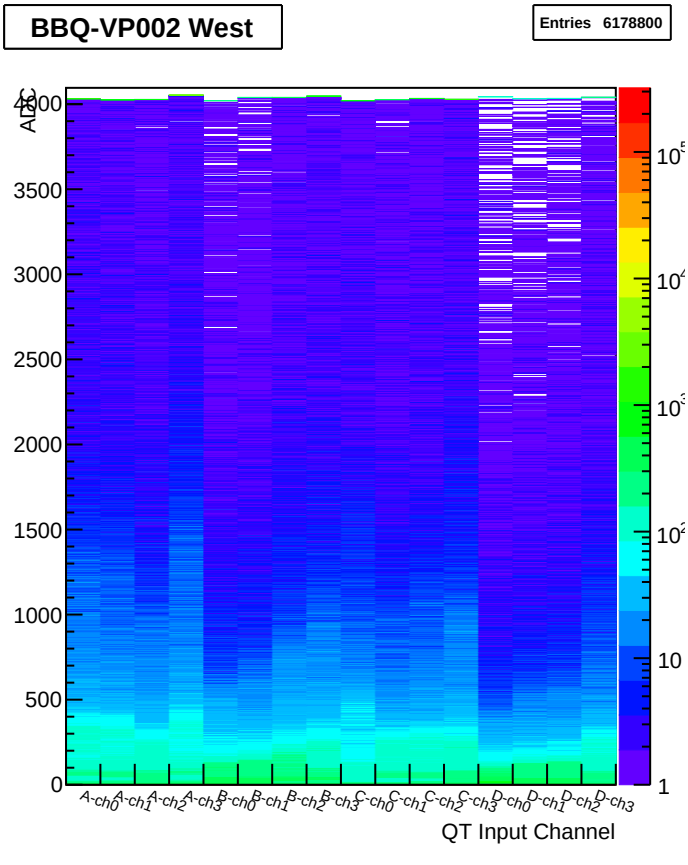

BBQ-ZD001 (ZDC TOWER)
Entries 6178800
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

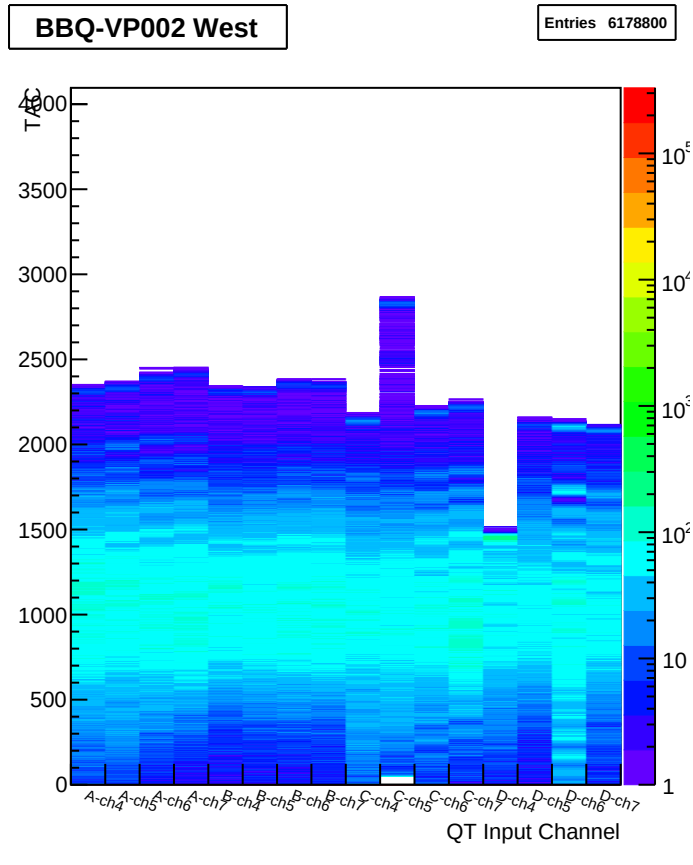

rawzdcEastTac
Entries 386175

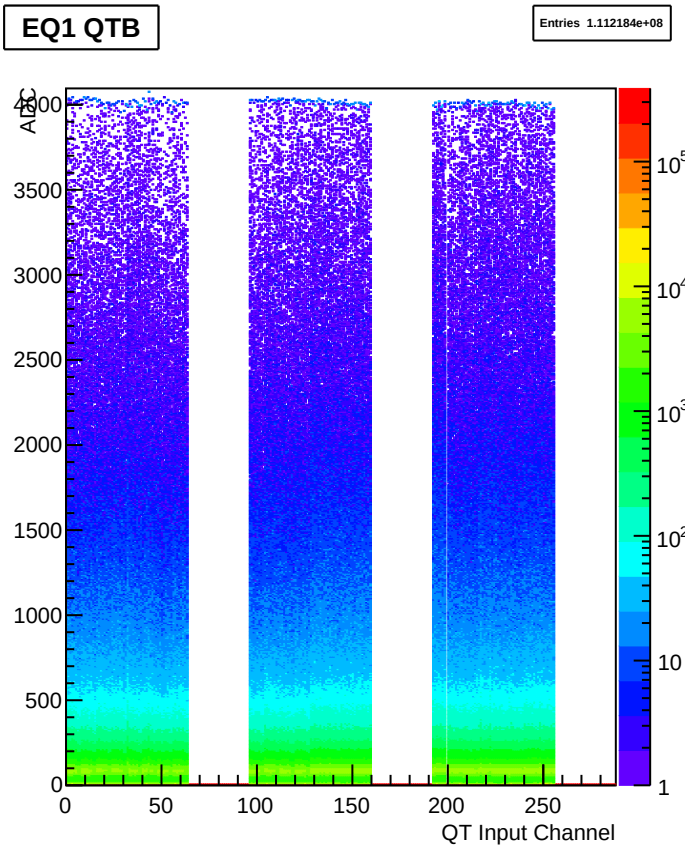

rawzdcWestTac
Entries 386175

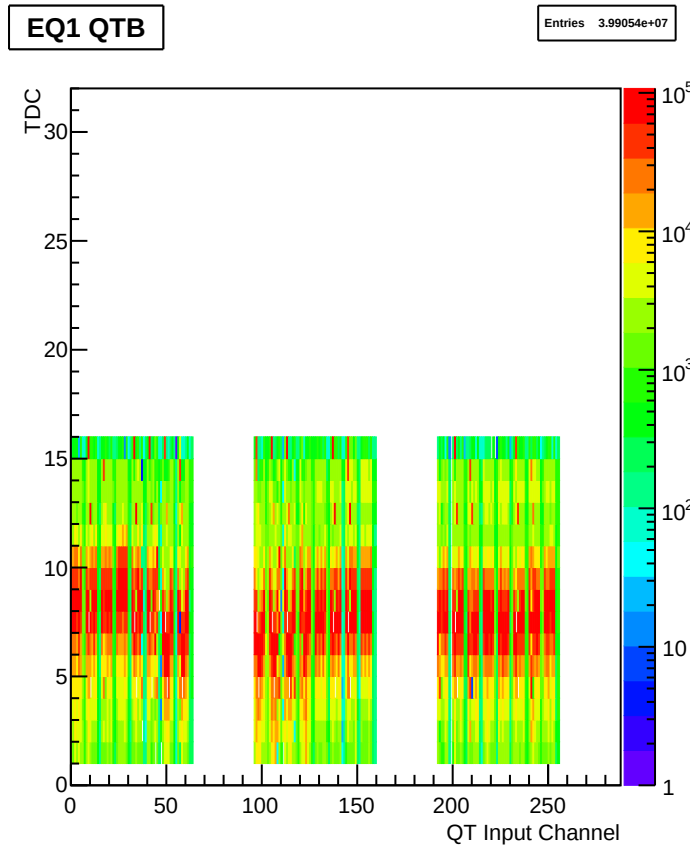

BBQ-VP001 East
Entries 6178800
ADC
QT Input Channel

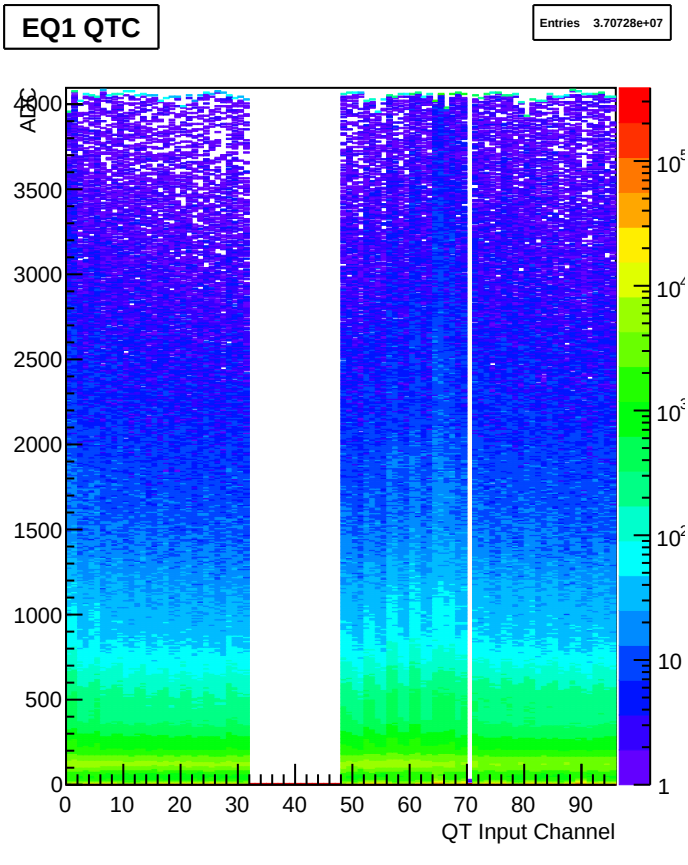

BBQ-VP001 East
Entries 6178800
ADC
QT Input Channel

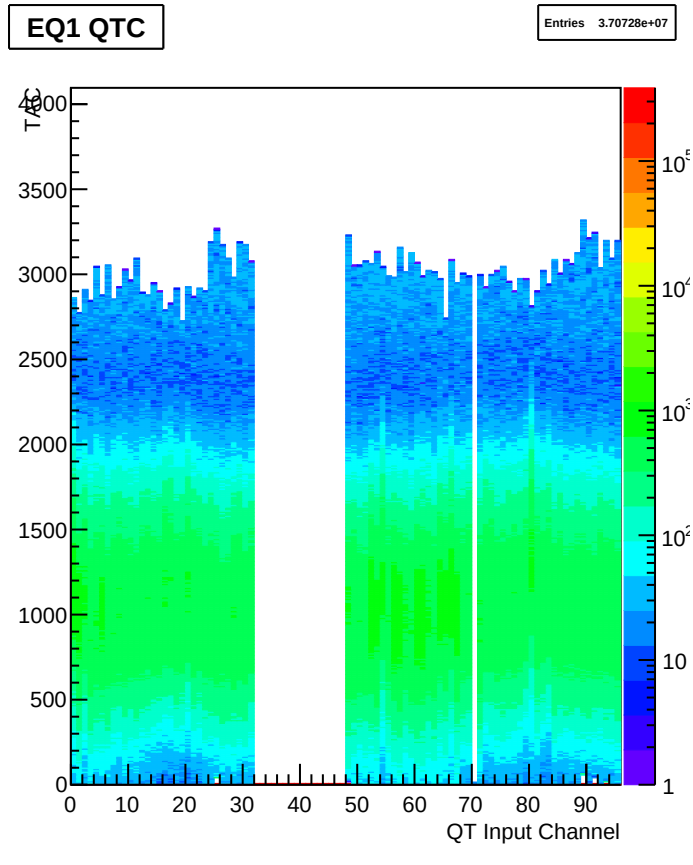

BBQ-VP002 West
Entries 6178800
ADC
QT Input Channel

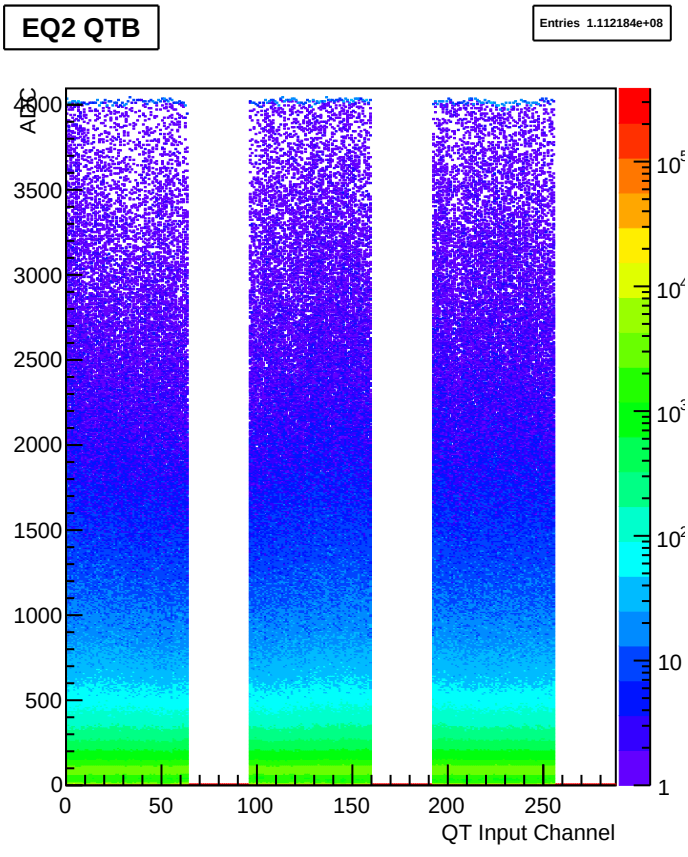

BBQ-VP002 West
Entries 6178800
ADC
QT Input Channel

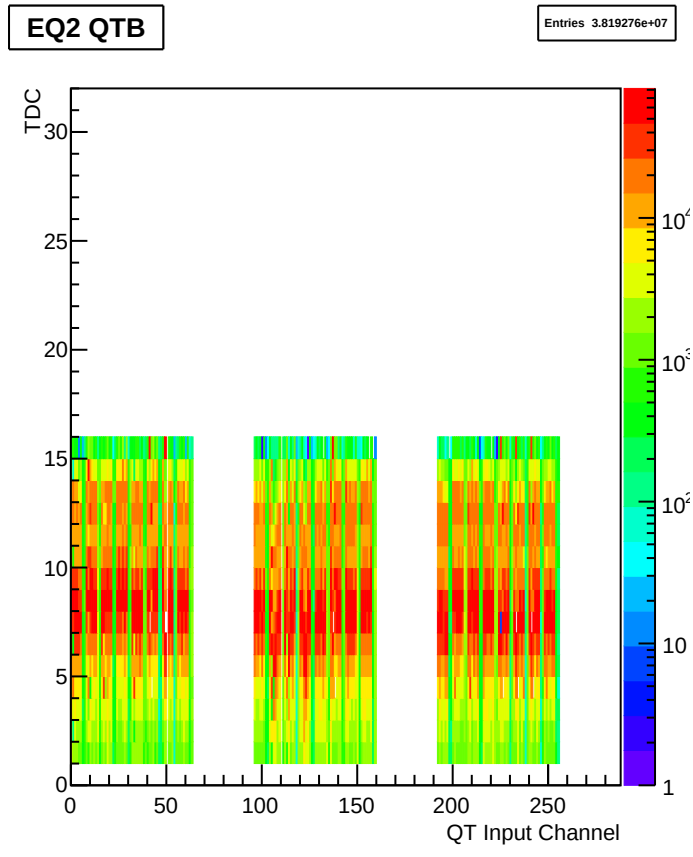

EQ1 QTB
Entries 1.112184e+08
ADC
QT Input Channel

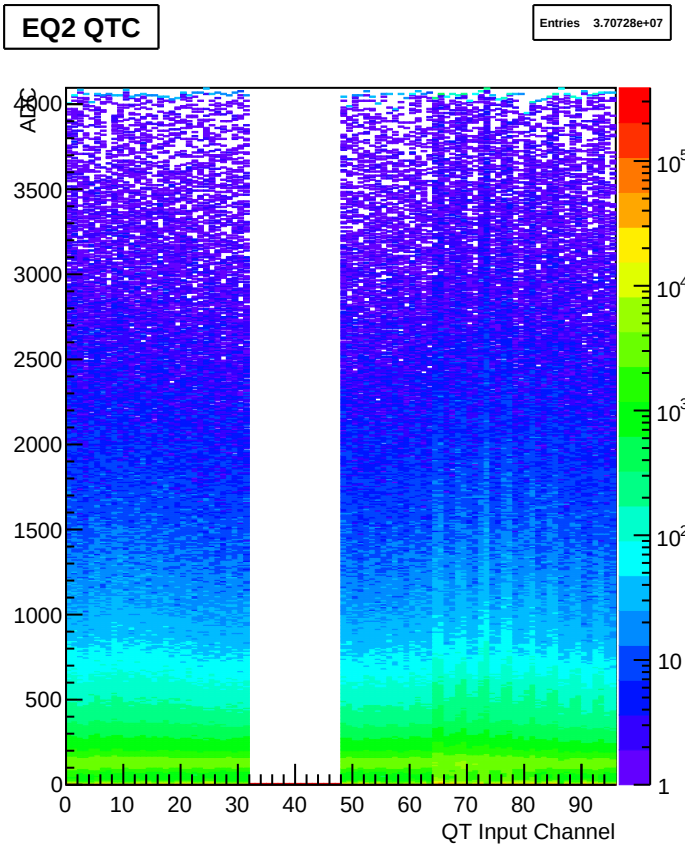

EQ1 QTB
Entries 3.99054e+07
TDC
QT Input Channel

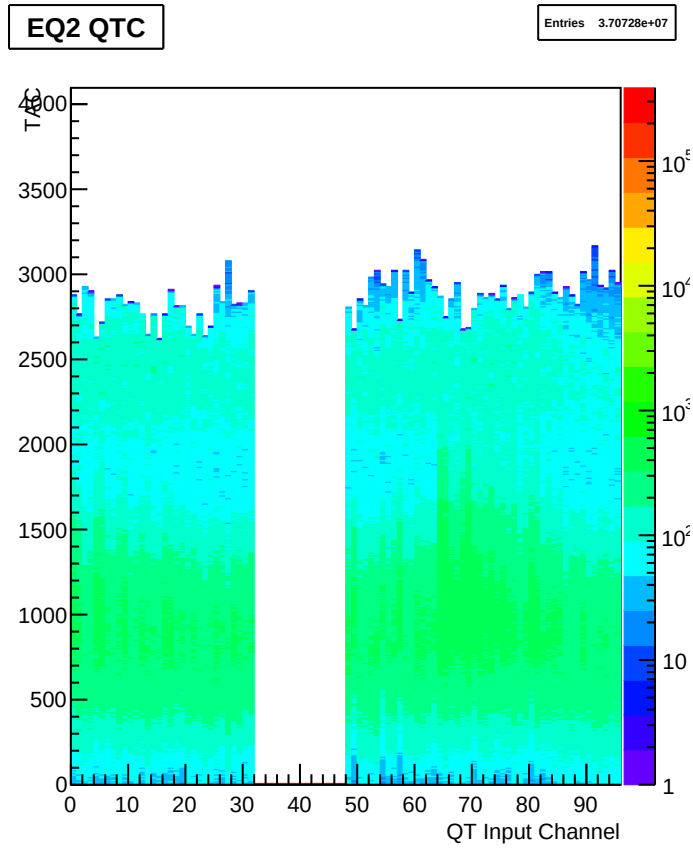

EQ1 QTC
Entries 3.70728e+07
ADC
QT Input Channel

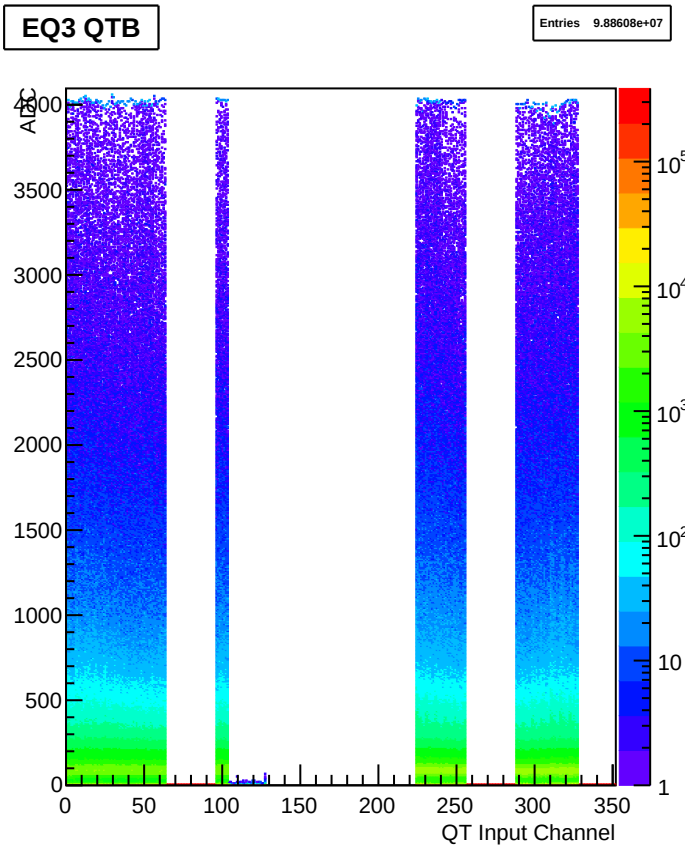

EQ1 QTC
Entries 3.70728e+07
TADC
QT Input Channel

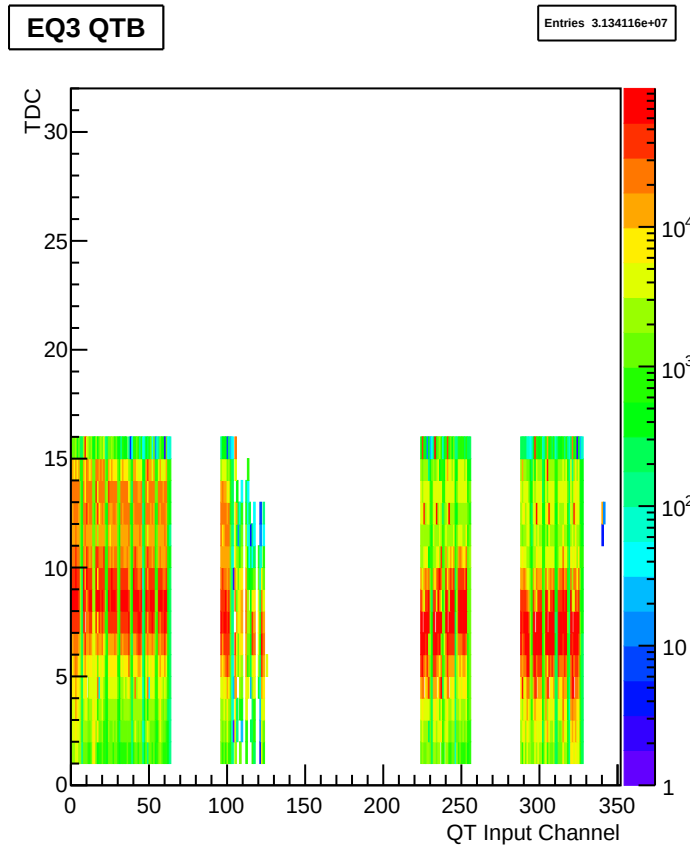

EQ2 QTB
Entries 1.112184e+08
ADC
QT Input Channel

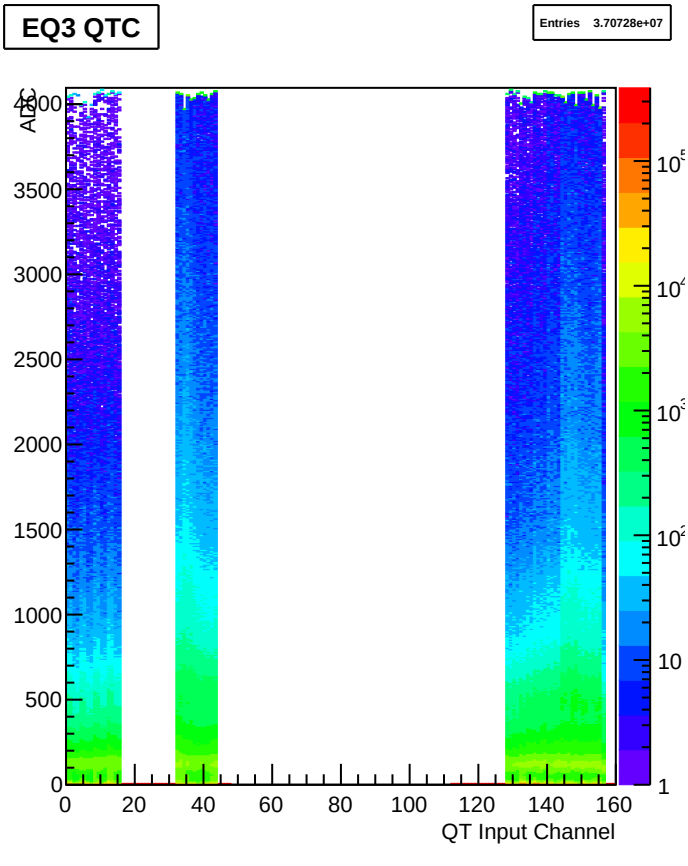

EQ2 QTB
Entries 3.819276e+07
TDC
QT Input Channel

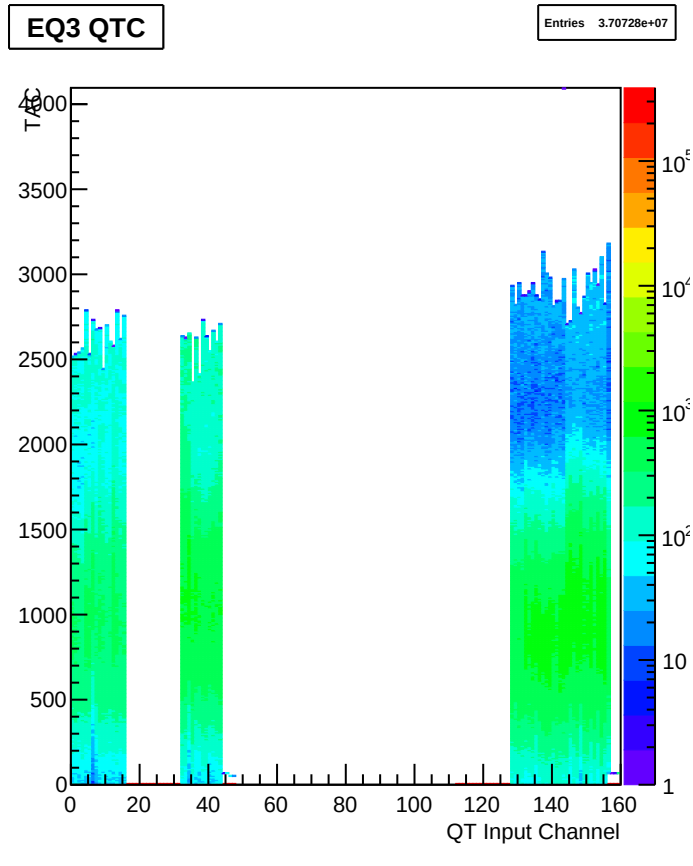

EQ2 QTC
Entries 3.70728e+07
ADC
QT Input Channel


EQ2 QTC
Entries 3.70728e+07
TADC
QT Input Channel


EQ3 QTB
Entries 9.88608e+07
ADC
QT Input Channel


EQ3 QTB
Entries 3.134116e+07
TDC
QT Input Channel


EQ3 QTC
Entries 3.70728e+07
ADC
QT Input Channel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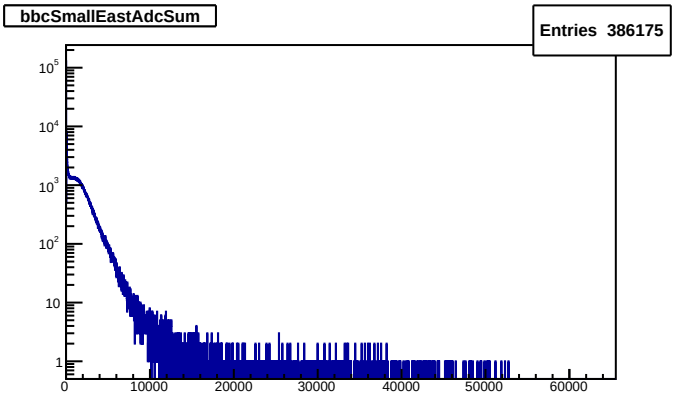
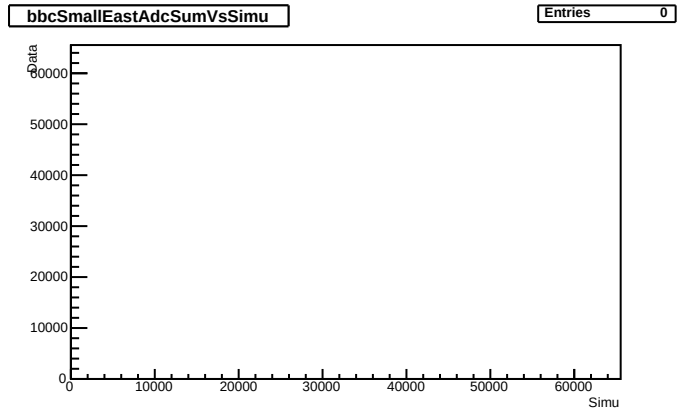
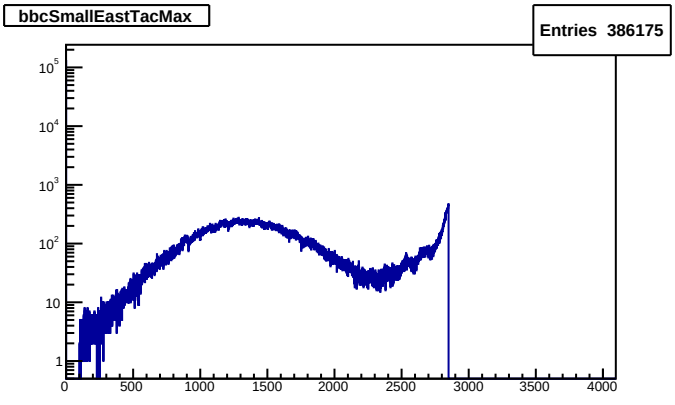
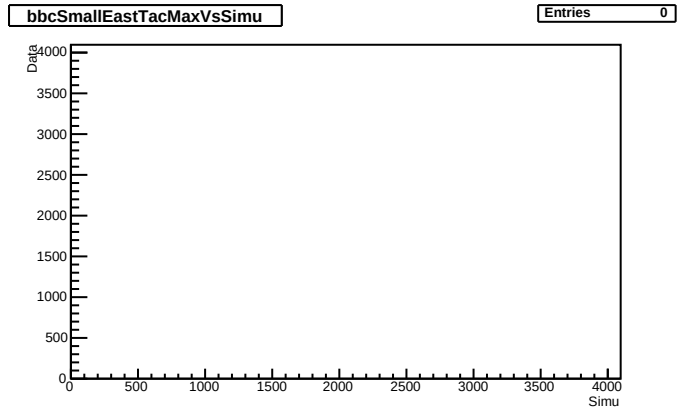
QT Input Channel


bbcSmallEastAdcSum
Entries 386175


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 386175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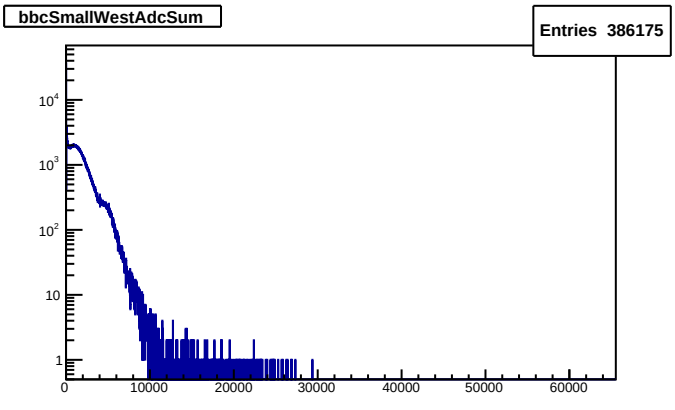
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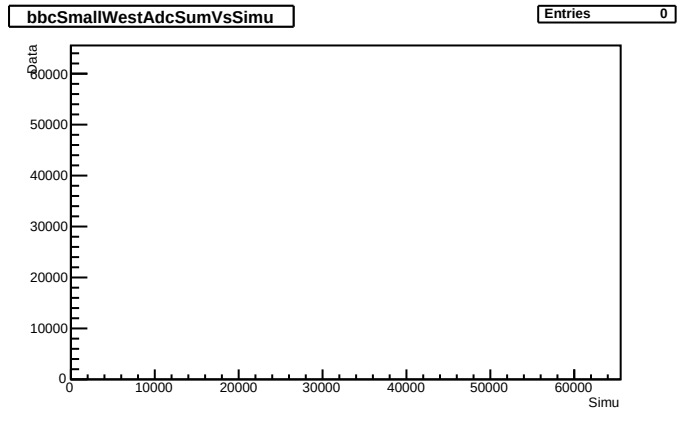
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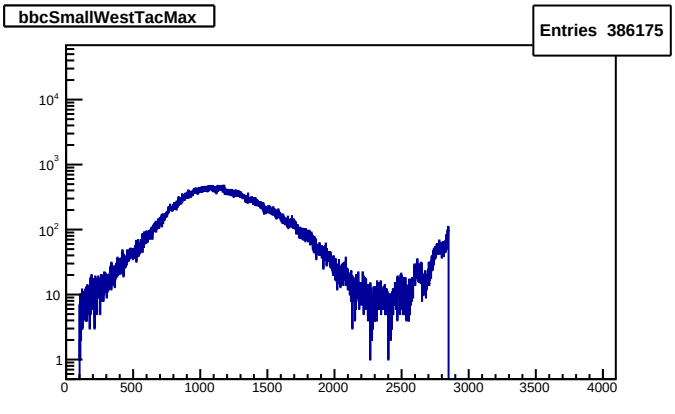
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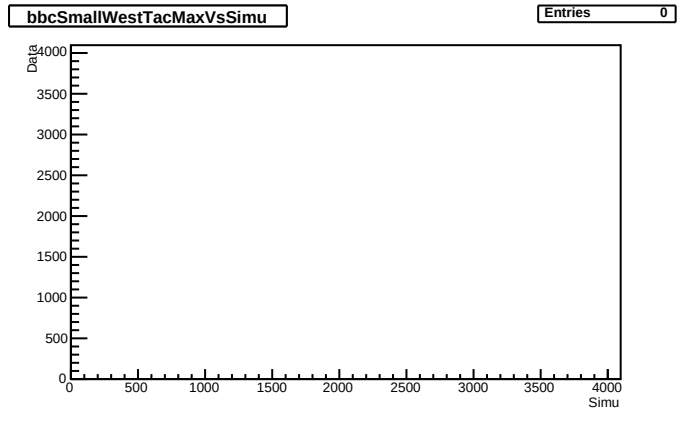
Entries 386175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Entries 0
Data
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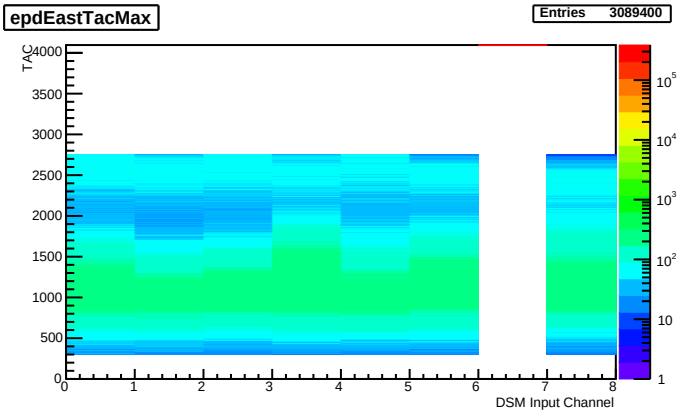
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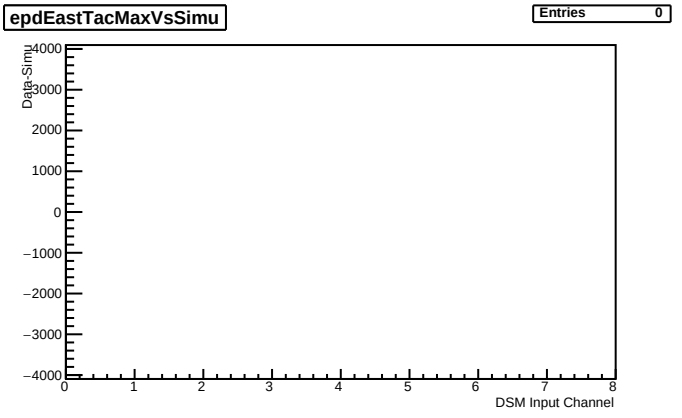
TAC
DSM Input Channel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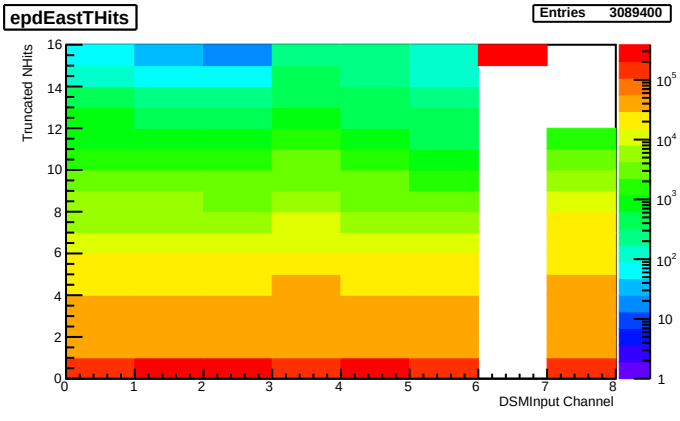
Entries 0
Data-Simu
DSM Input Channel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Entries 3089400
Truncated NHits
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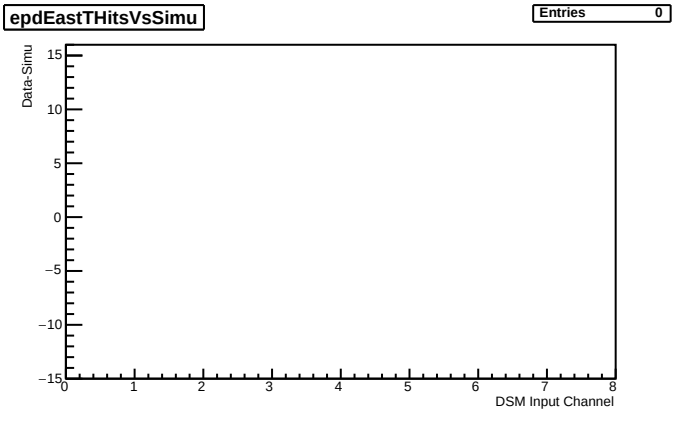
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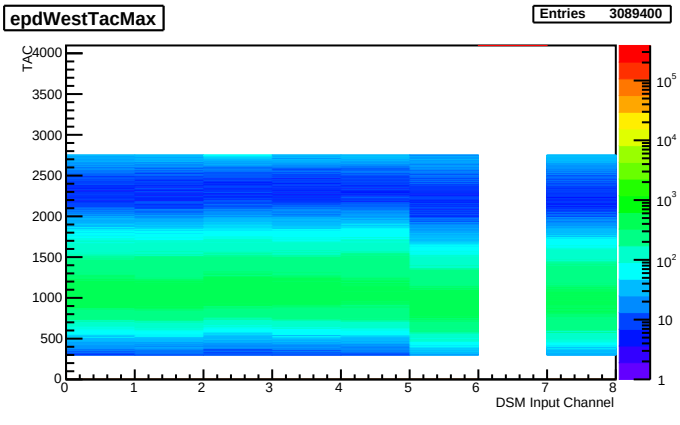
DSM Input Channel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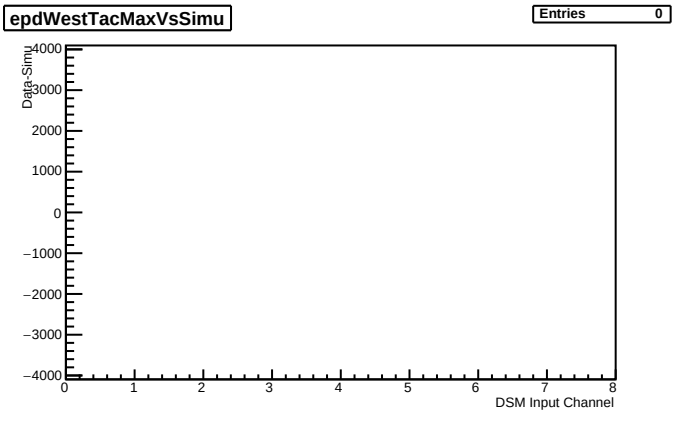
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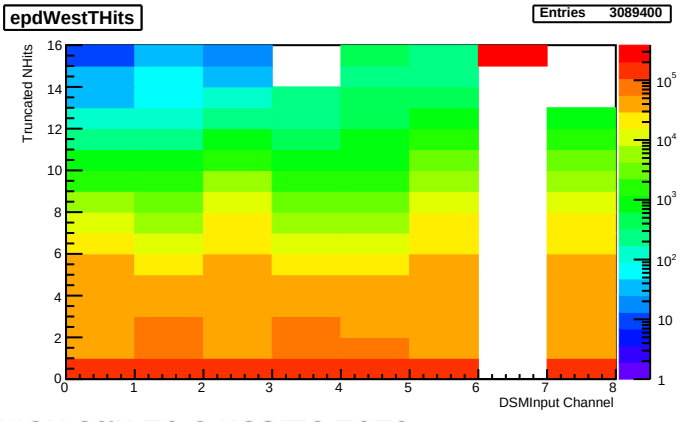
DSM Input Channel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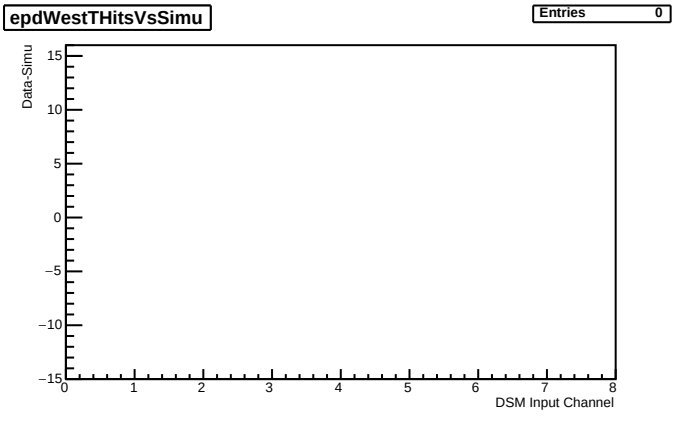
Entries 3089400
Truncated NHits
DSMInput Channel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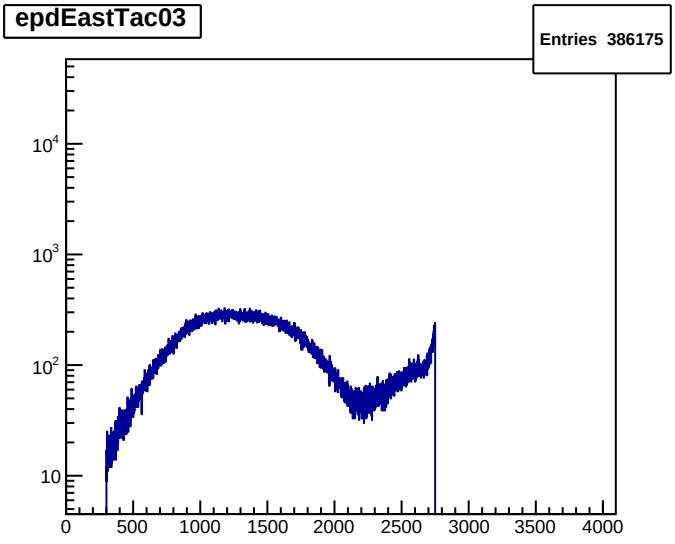
Data-Simu
DSM Input Channel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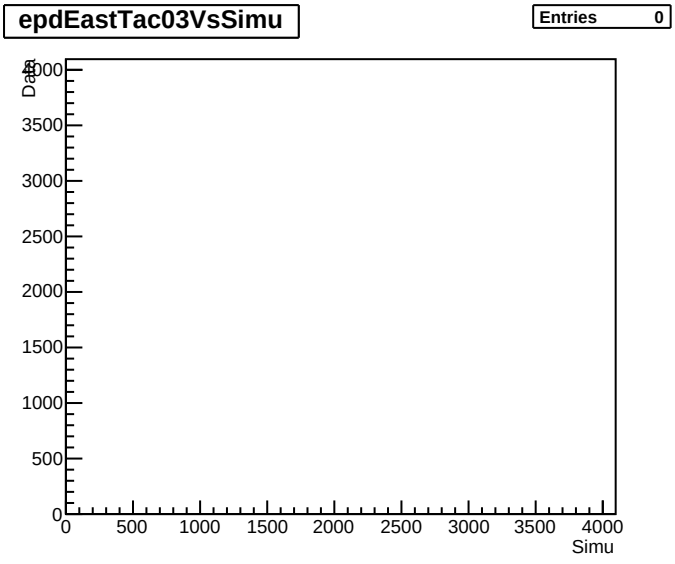
Entries 386175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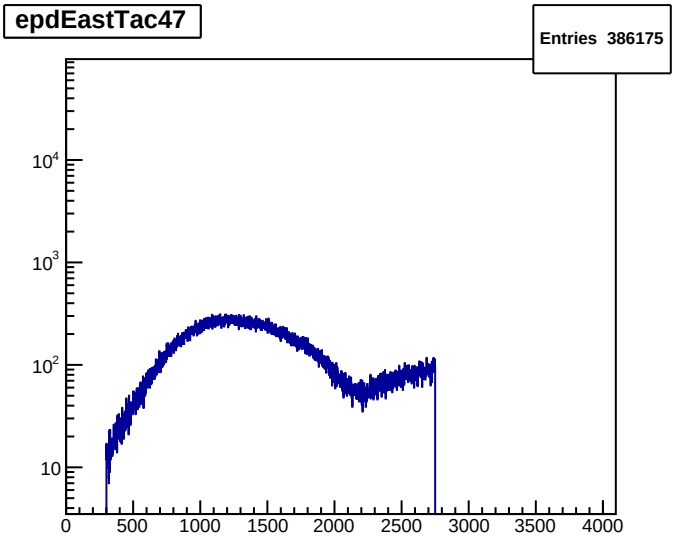
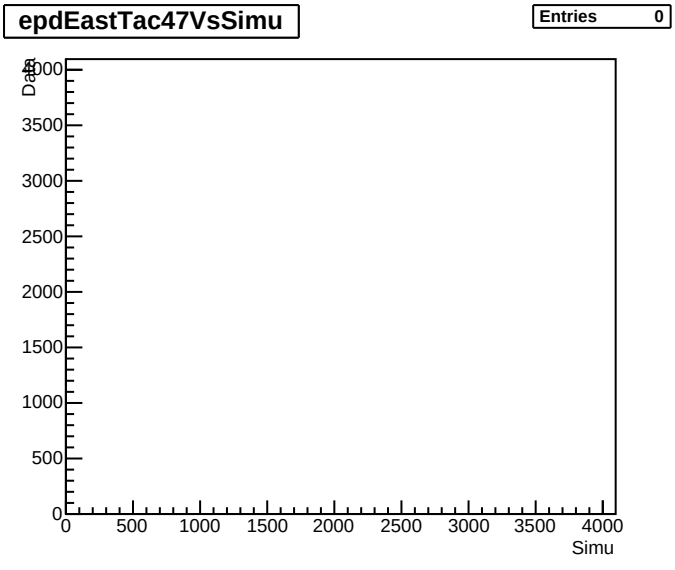
Entries 0
Data
Simu


epdEastTac47
Entries 386175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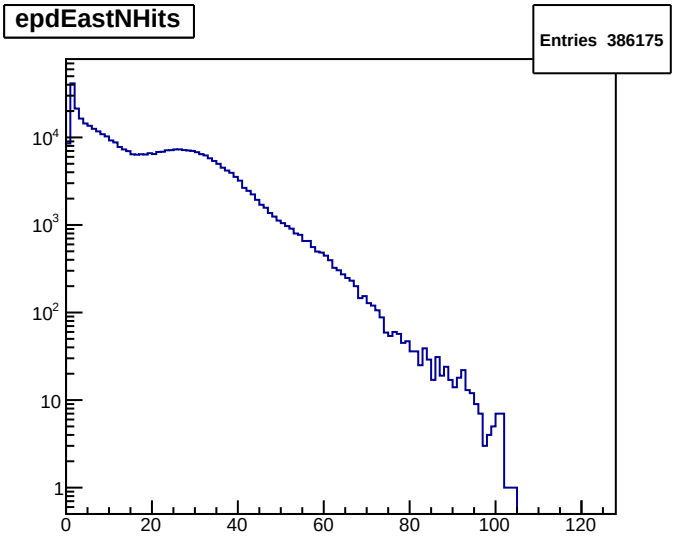
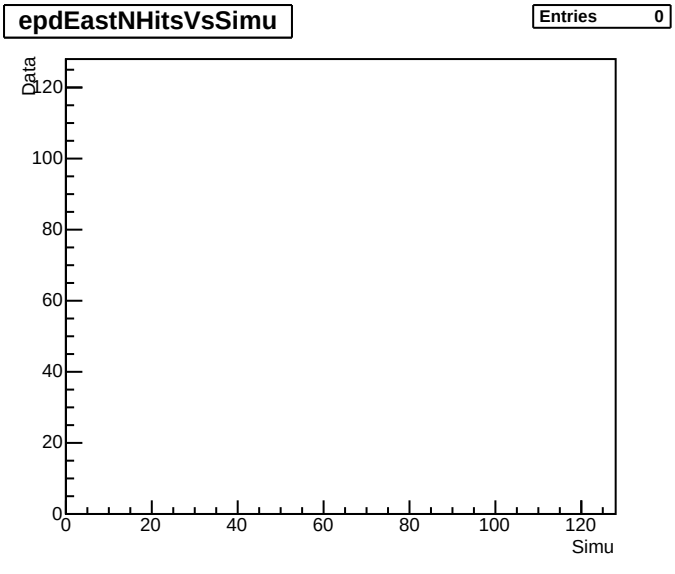
Entries 0
Data
Simu


epdEastNHits
Entries 386175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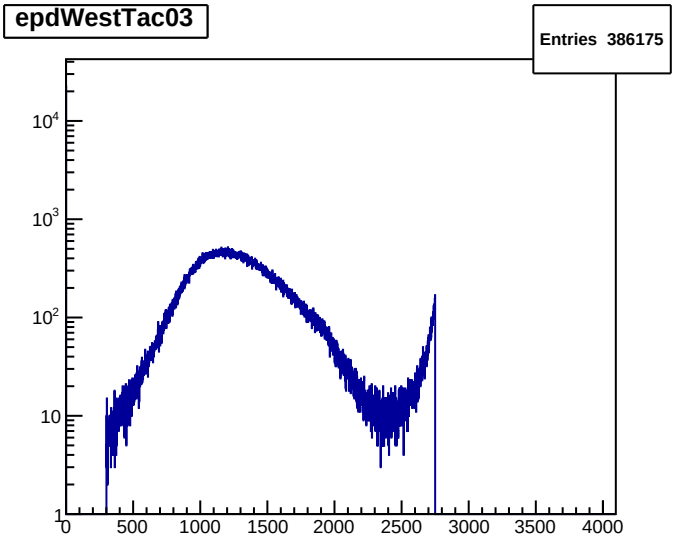
Data
Simu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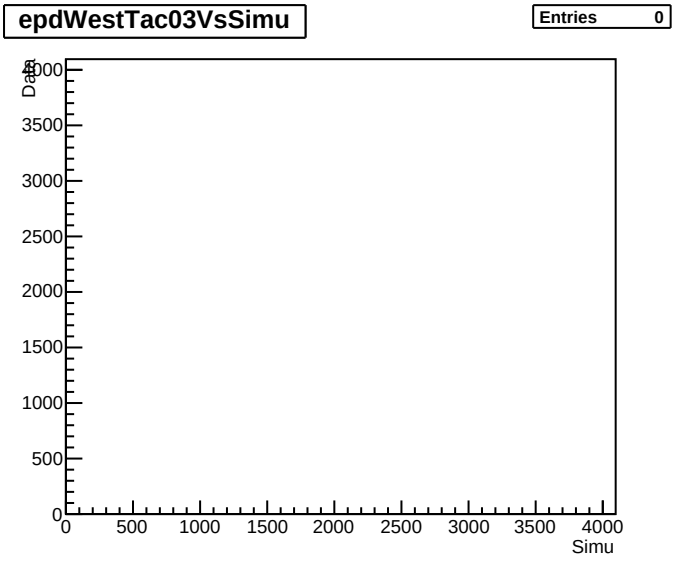
Entries 386175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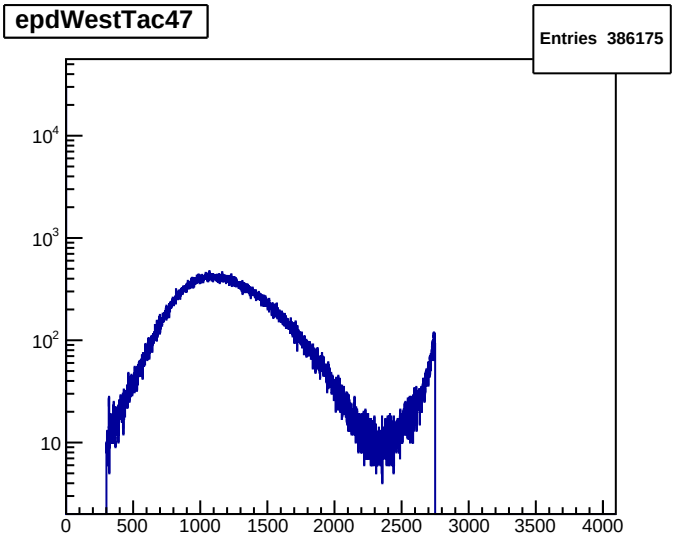
Data
Simu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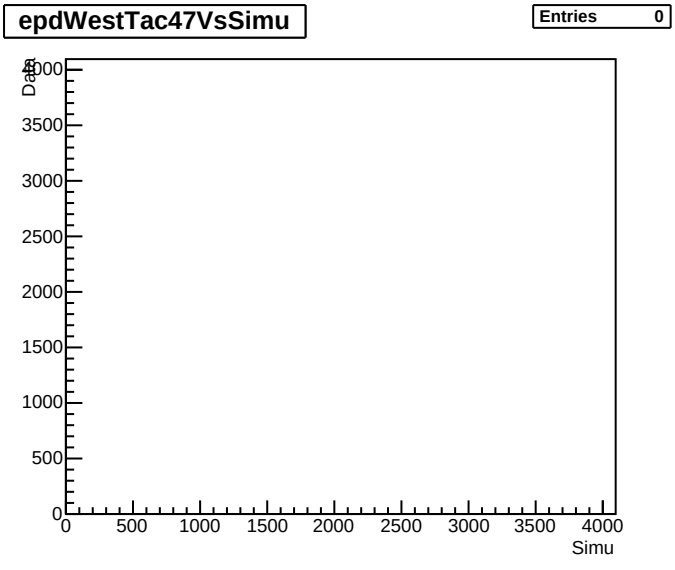
Entries 386175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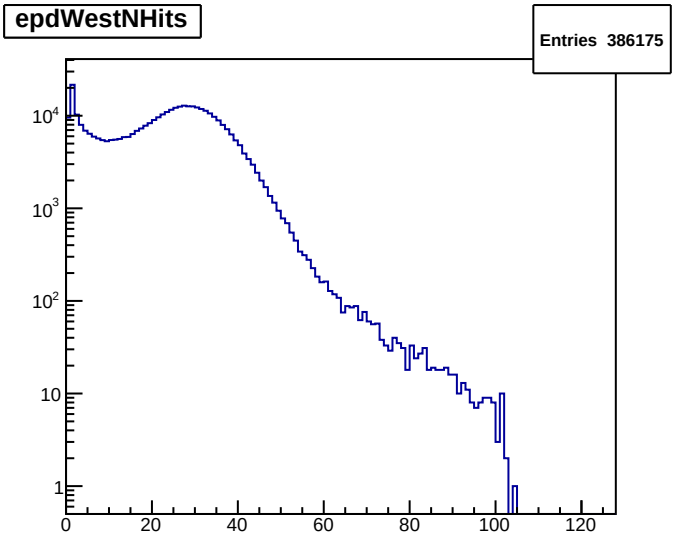
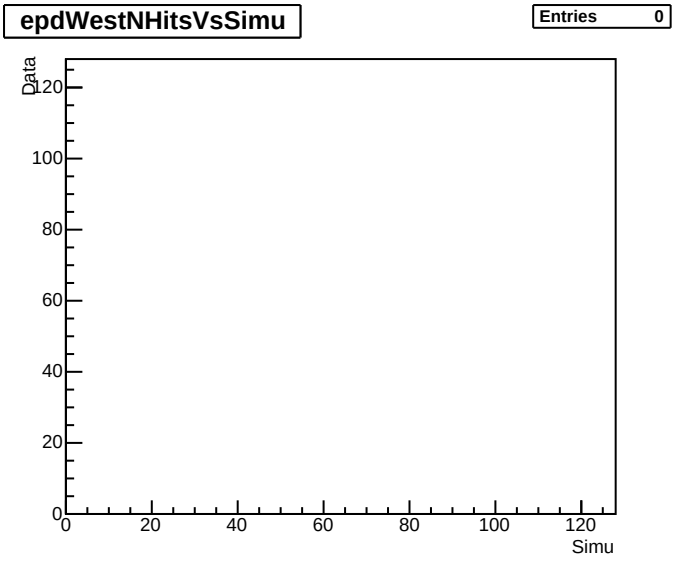
Entries 0
Data
Simu


epdWestNHits
Entries 386175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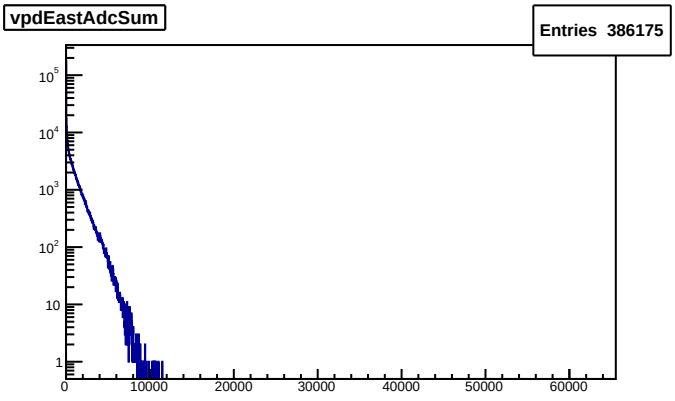
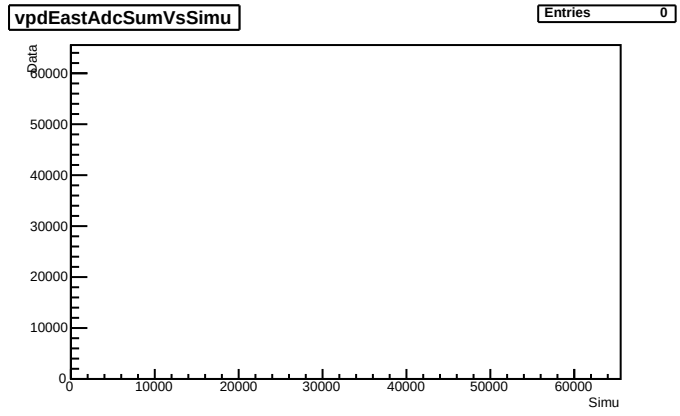
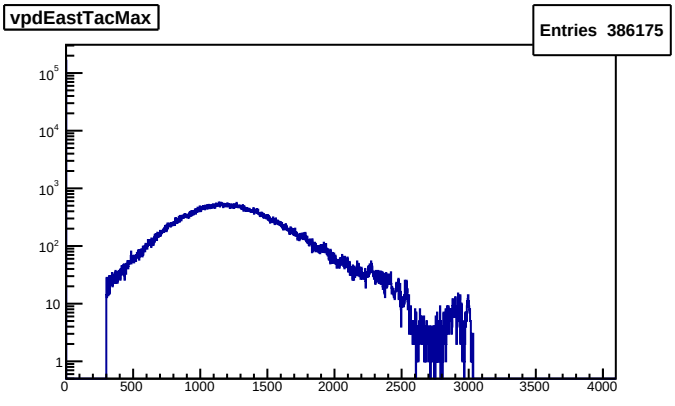
Entries 0
Data
Simu


vpdEastAdcSum
Entries 386175


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
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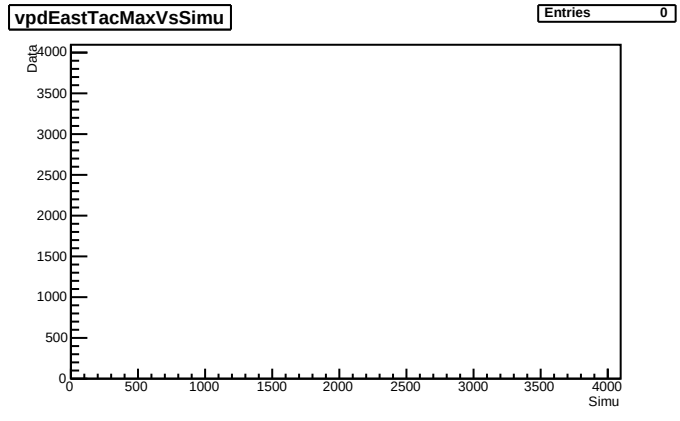
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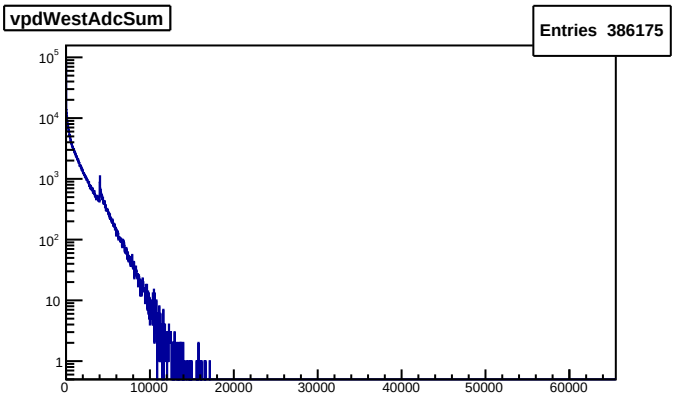
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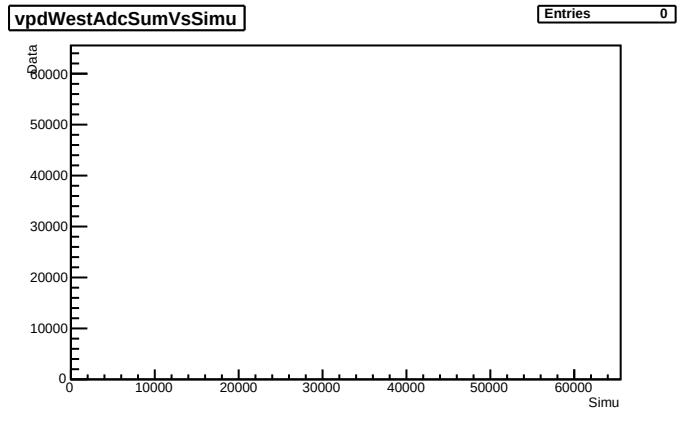
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Entries 0
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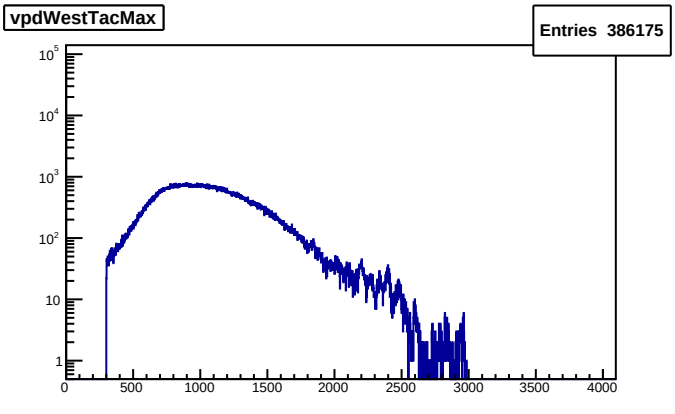
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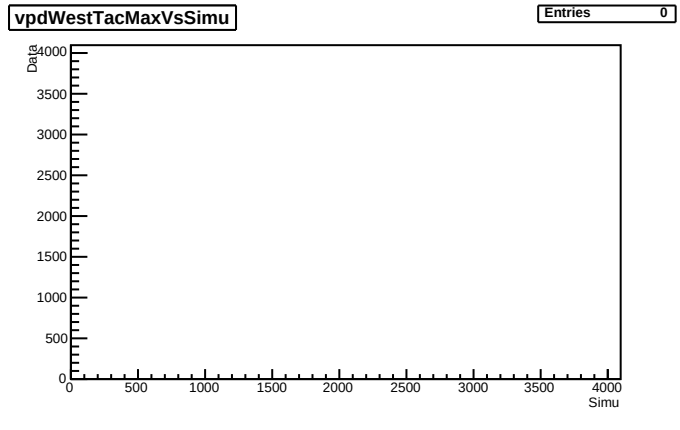
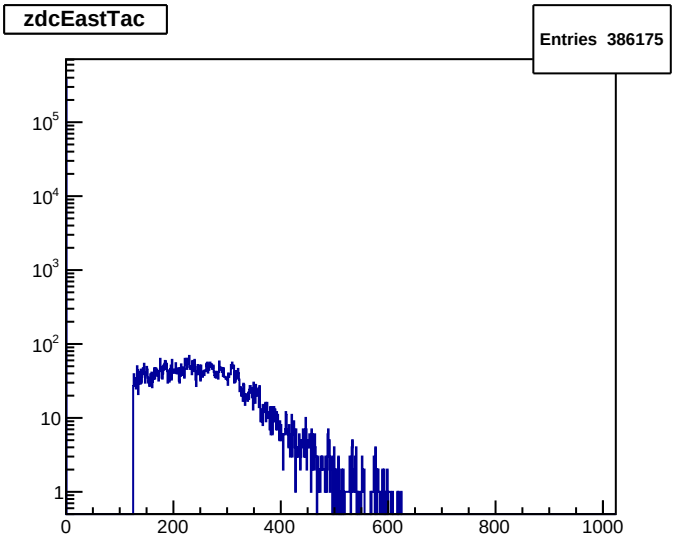
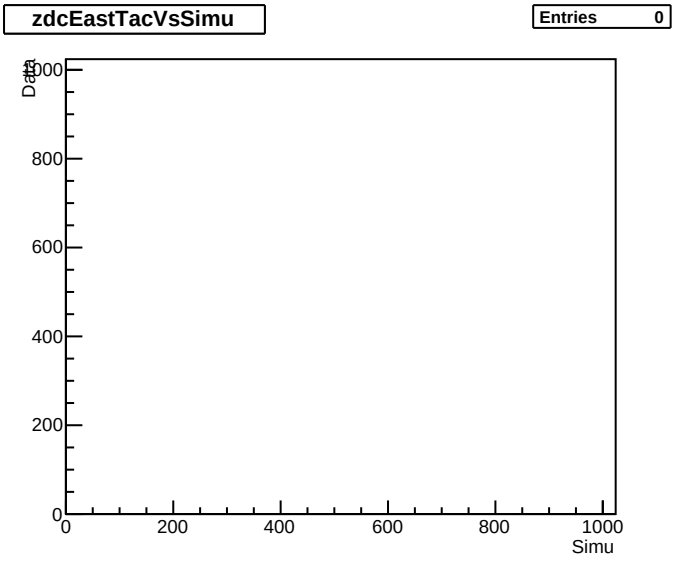
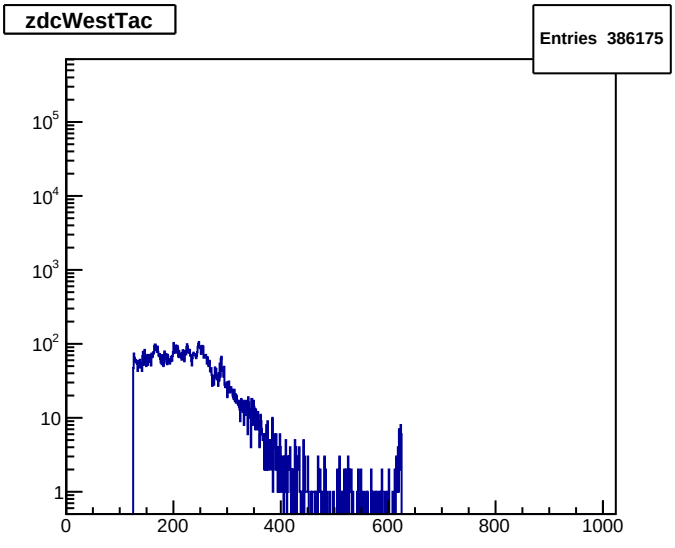
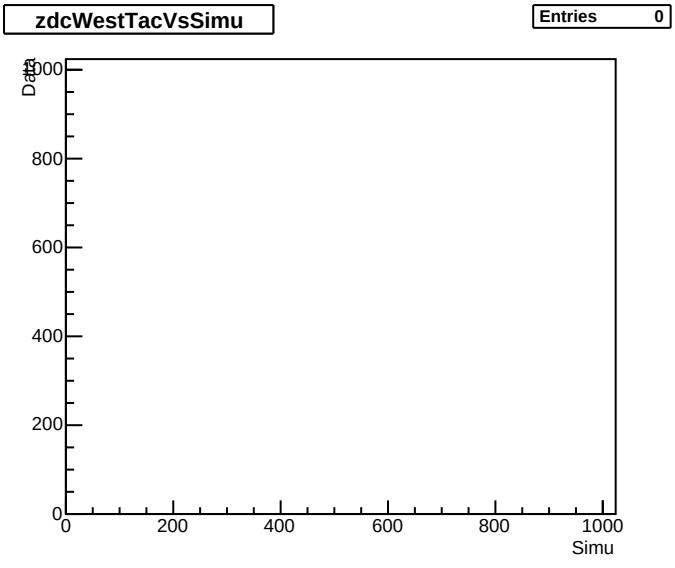
Entries 386175

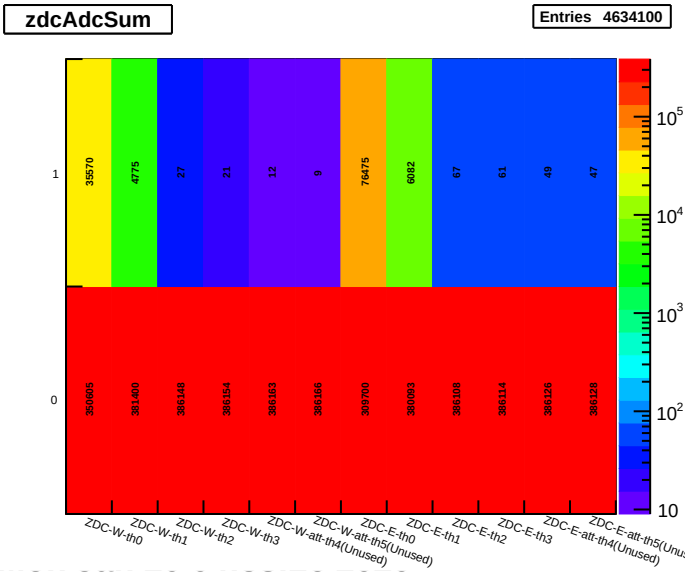

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

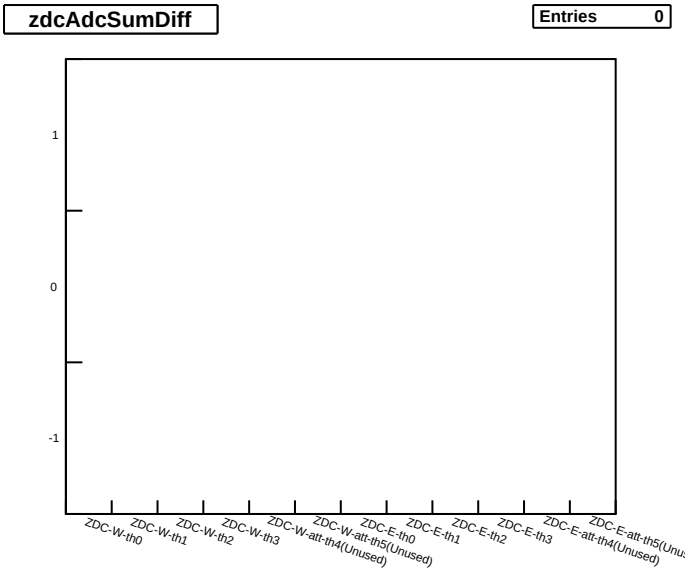

zdcEastTac
Entries 386175
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

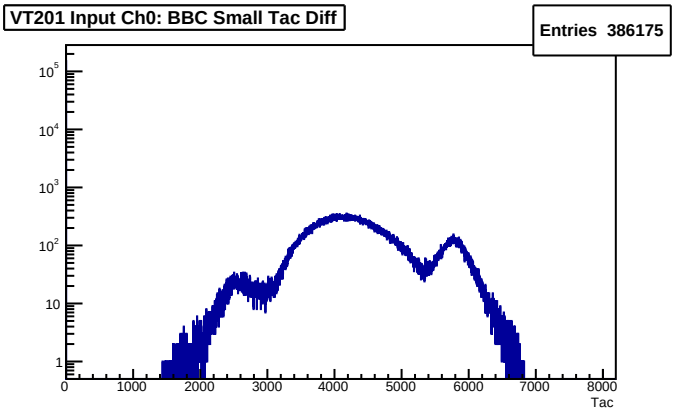

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

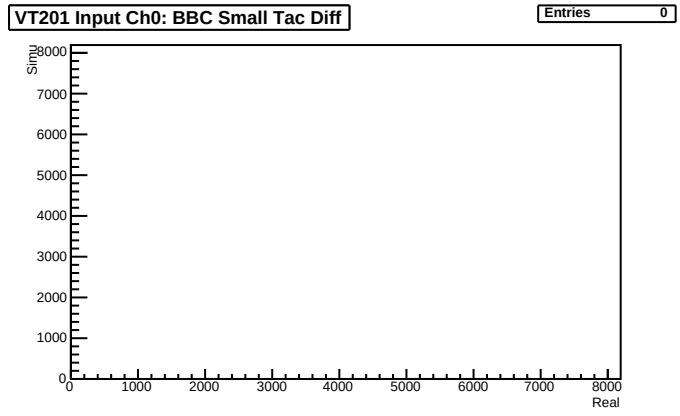

zdcWestTac
Entries 386175
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

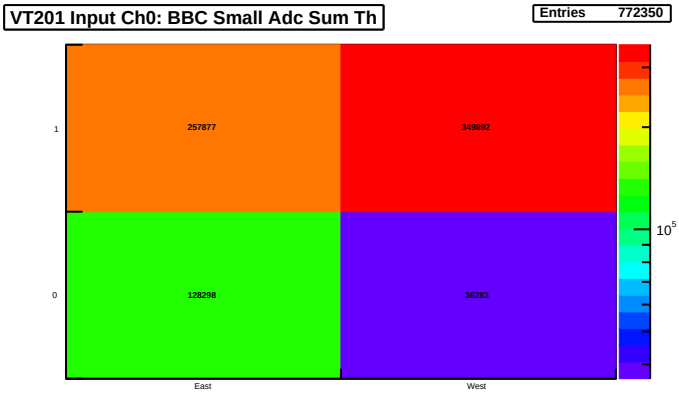

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

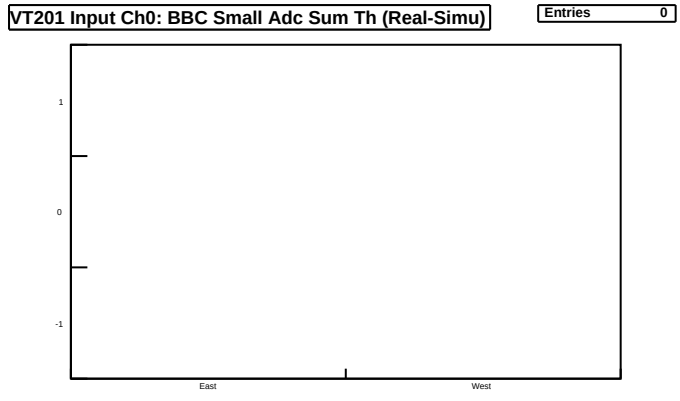

zdcAdcSum
Entries 4634100
1
0
35570
4775
27
21
12
9
76475
6082
67
61
49
47
350605
381400
386148
386154
386163
386166
309700
380093
386108
386114
386126
386128
10^5
10^4
10^3
10^2
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

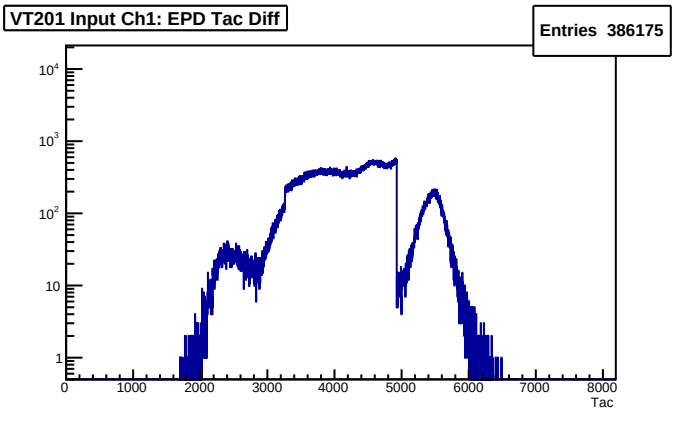

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

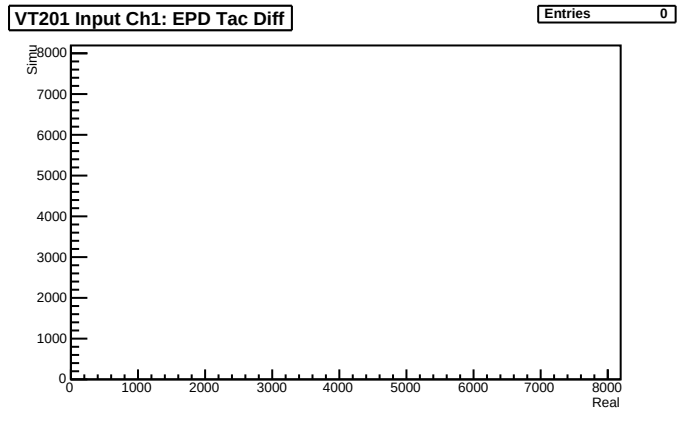

VT201 Input Ch0: BBC Small Tac Diff
Entries 386175
Tac

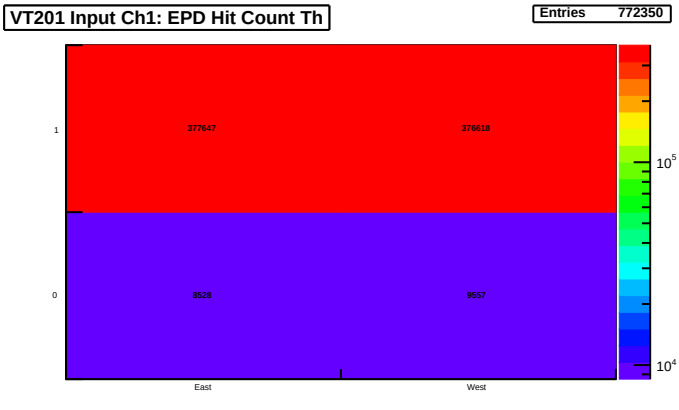

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

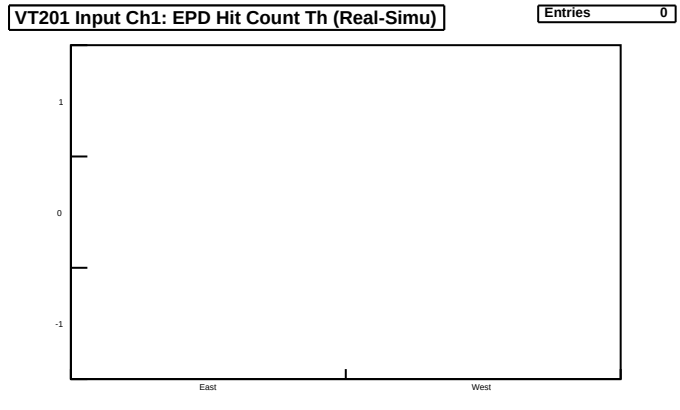

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 772350
257877
349892
128298
36283
East
West

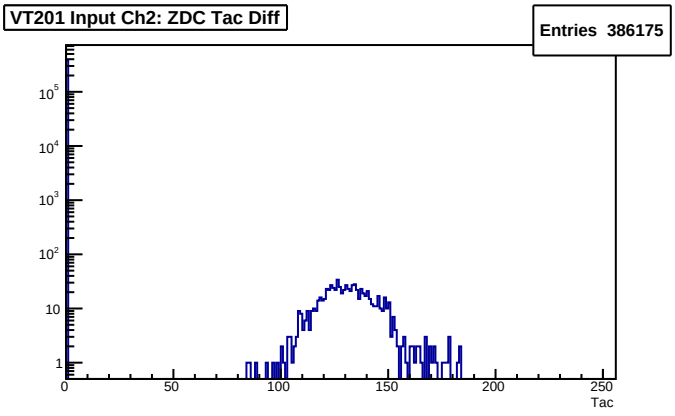

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

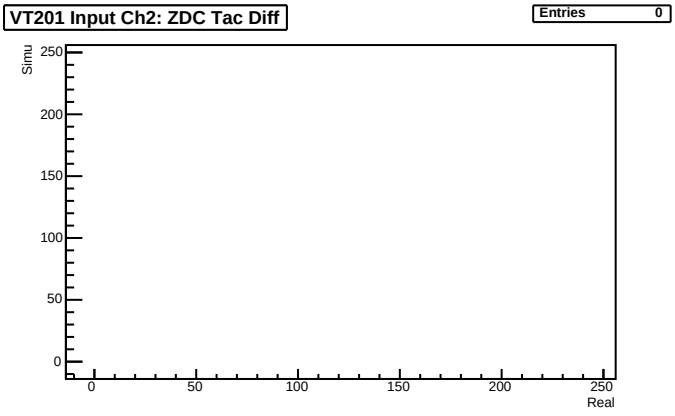

VT201 Input Ch1: EPD Tac Diff
Entries 386175
Tac

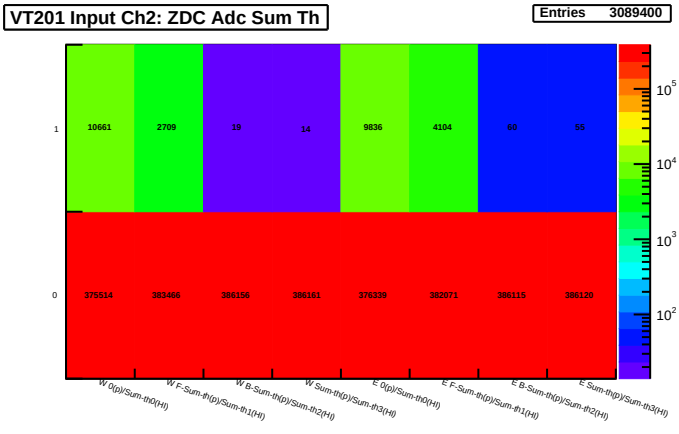

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

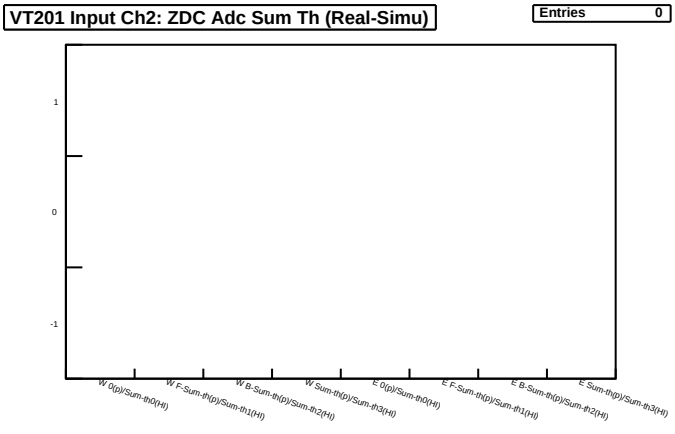

VT201 Input Ch1: EPD Hit Count Th
Entries 772350
377647
376618
8528
9557
East
West

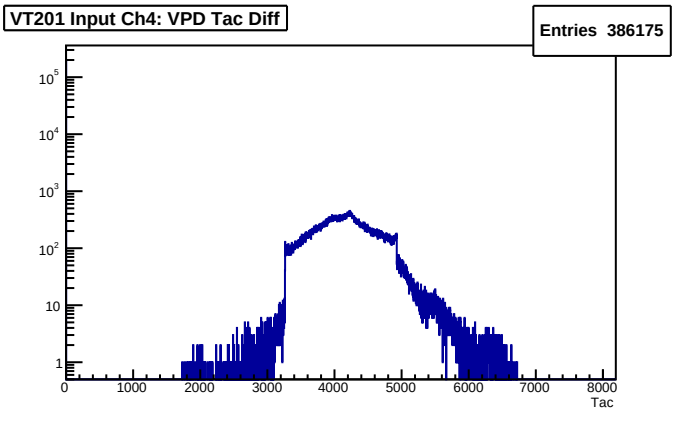

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

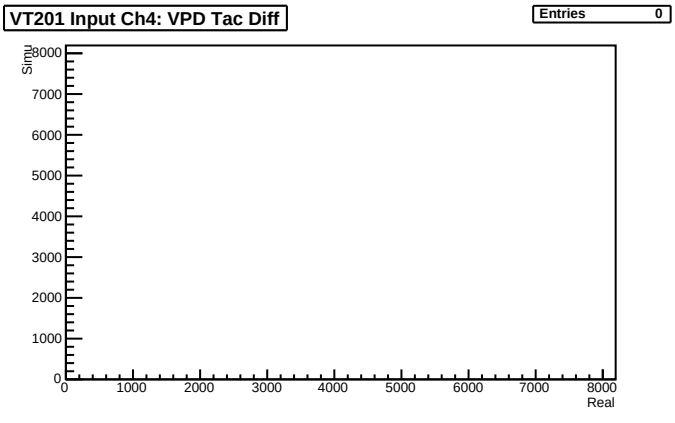

VT201 Input Ch2: ZDC Tac Diff
Entries 386175
Tac

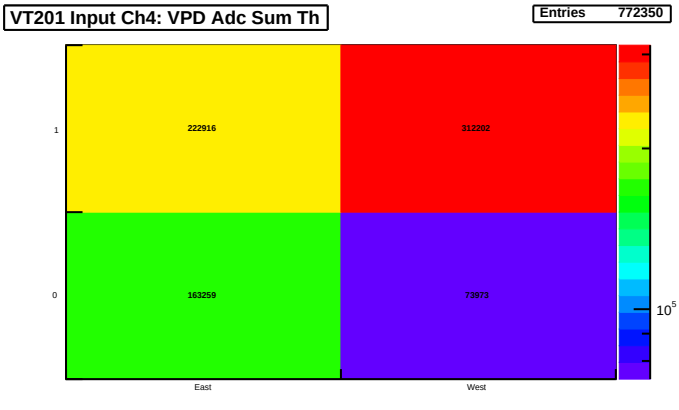

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

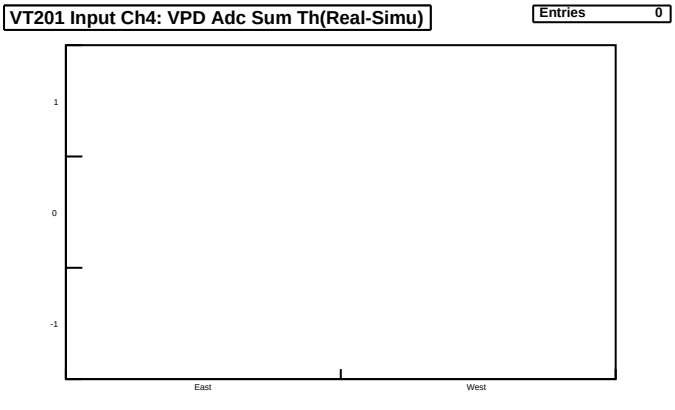

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3089400
10661
2709
19
14
9836
4104
60
55
375514
383466
386156
386161
376339
382071
386115
386120
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

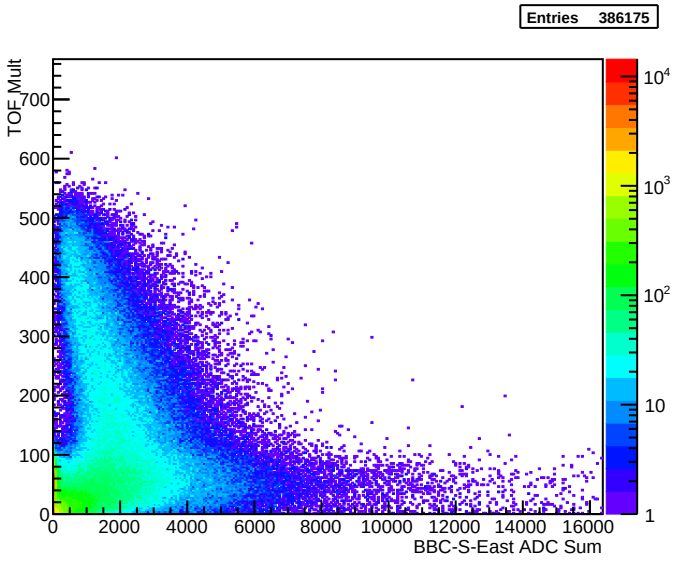

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

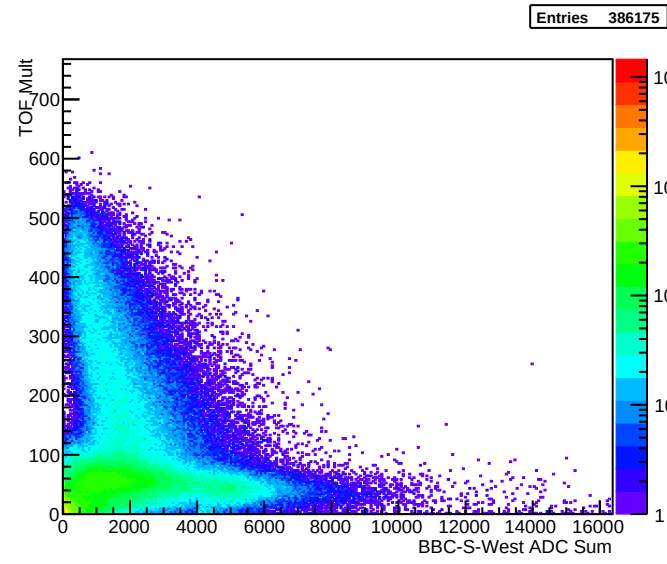

VT201 Input Ch4: VPD Tac Diff
Entries 386175
Tac

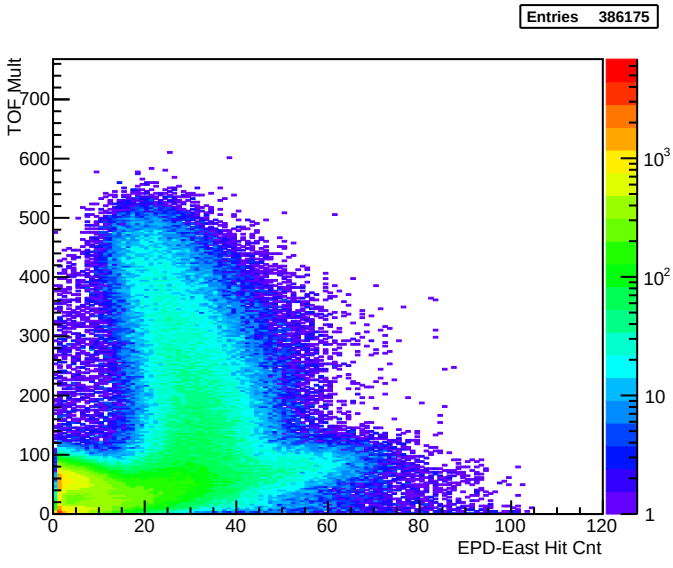

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

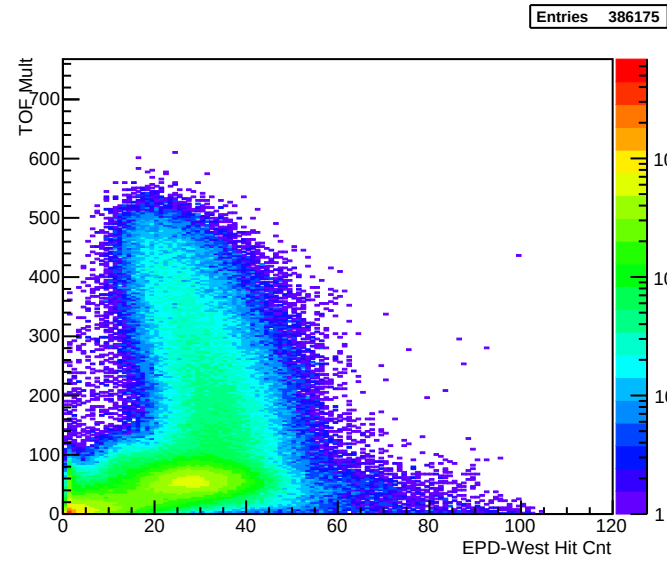

VT201 Input Ch4: VPD Adc Sum Th
Entries 772350
222916
312202
163259
73973
East
West

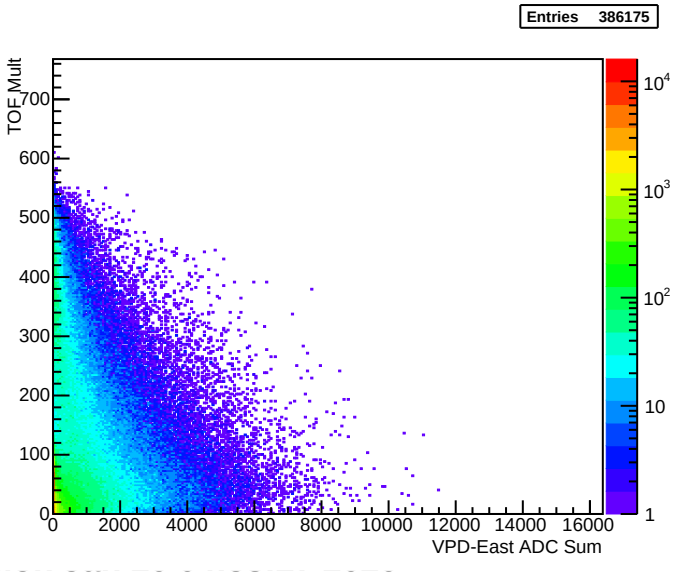

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

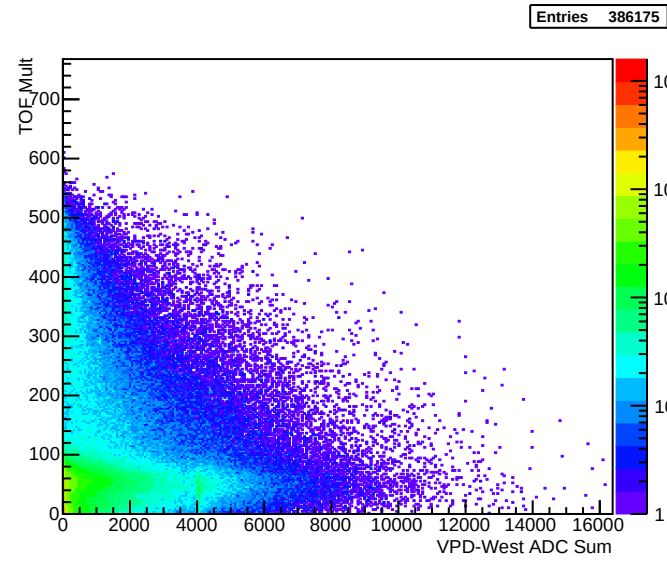

Entries 386175
TOF_Mult
BBC-S-East ADC Sum

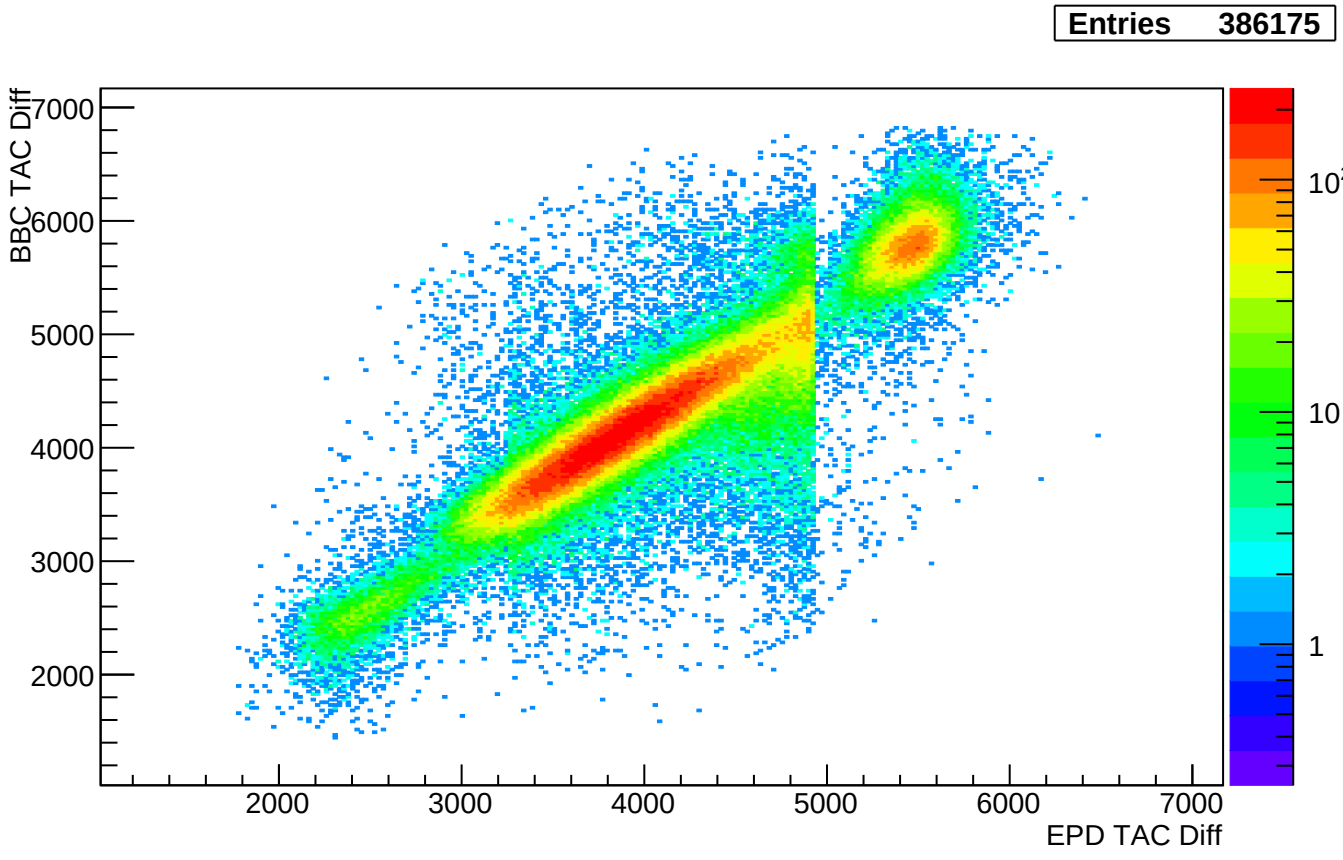

Entries 386175
TOF_Mult
BBC-S-West ADC Sum

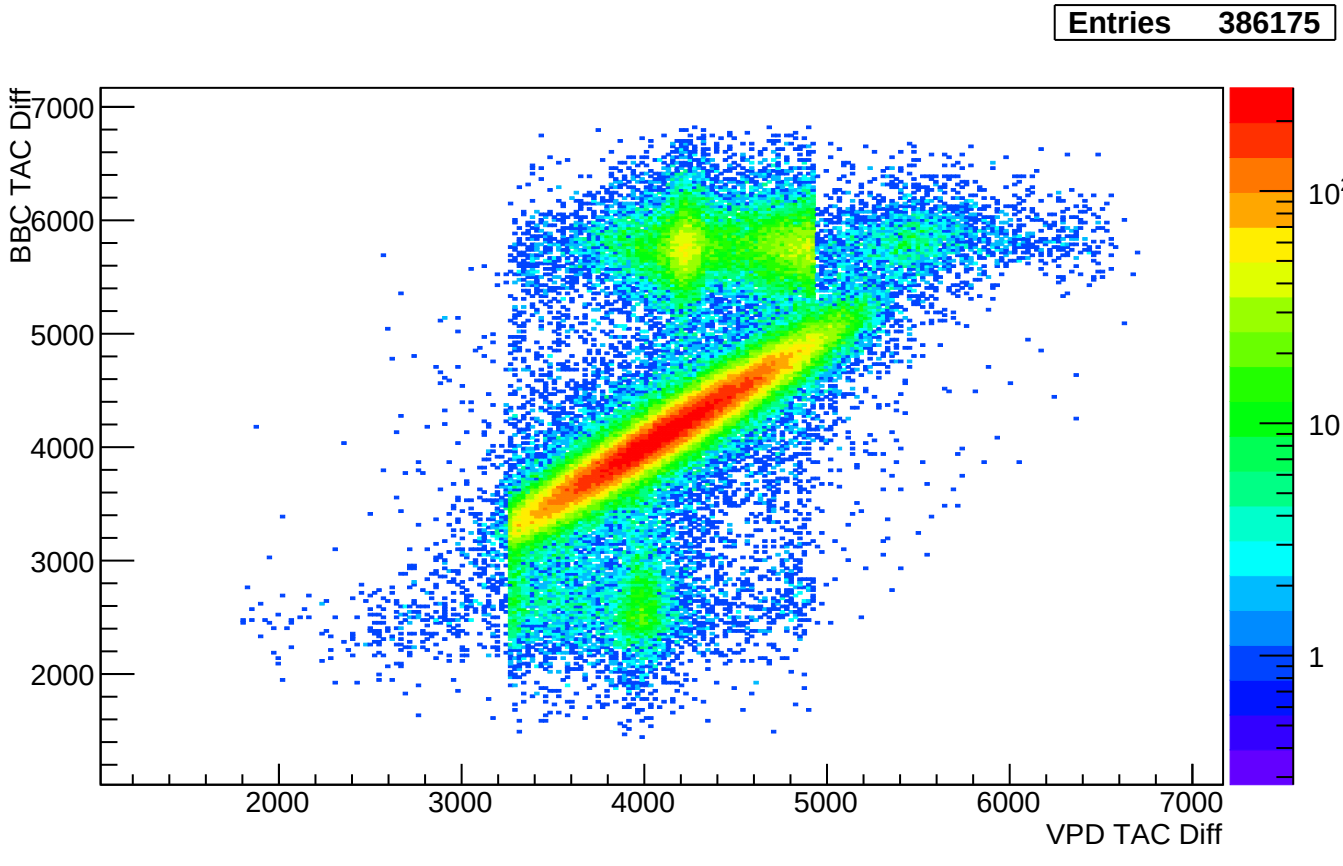

Entries 386175
TOF_Mult
EPD-East Hit Cnt

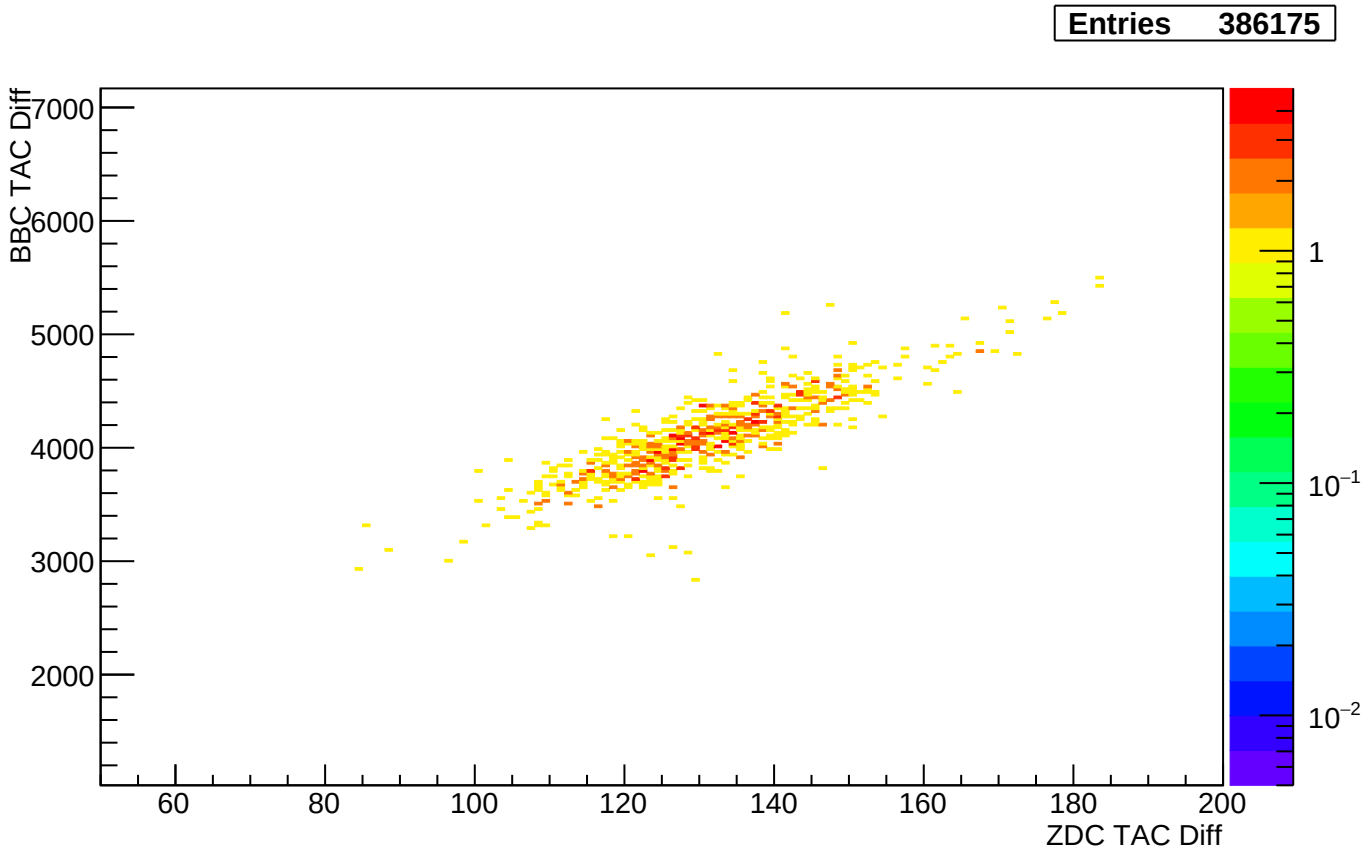

Entries 386175
TOF_Mult
EPD-West Hit Cnt

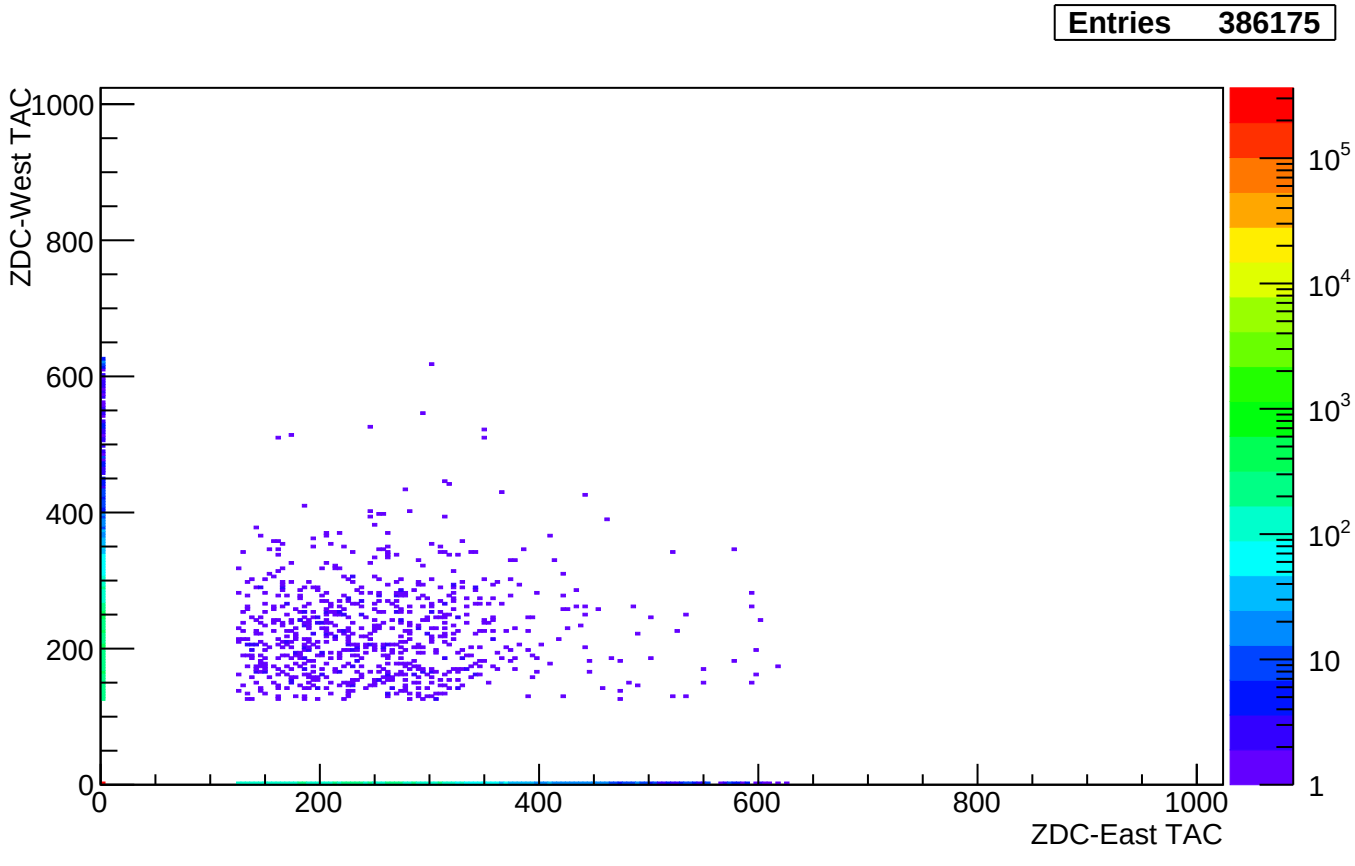

Entries 386175
TOF_Mult
VPD-East ADC Sum

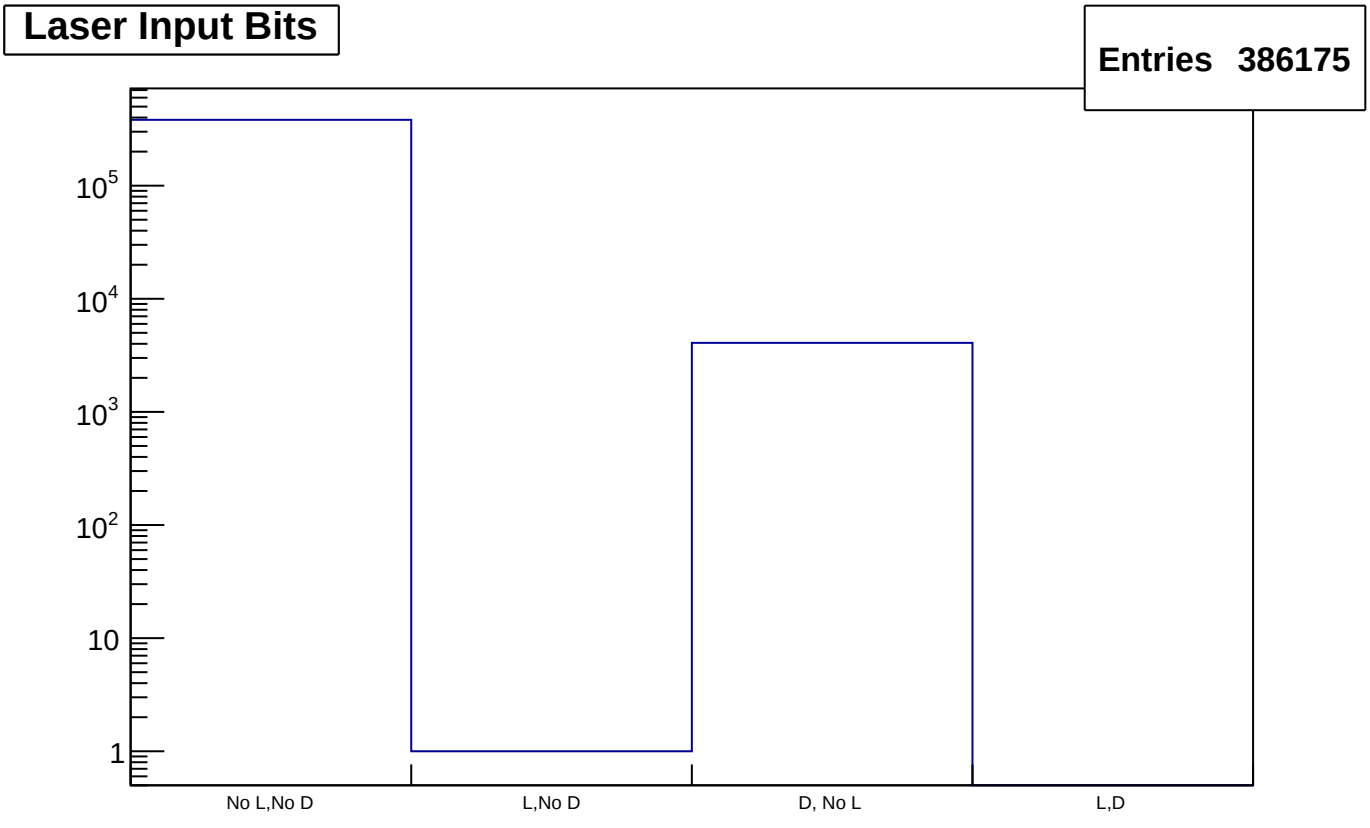

Entries 386175
TOF_Mult
VPD-West ADC Sum

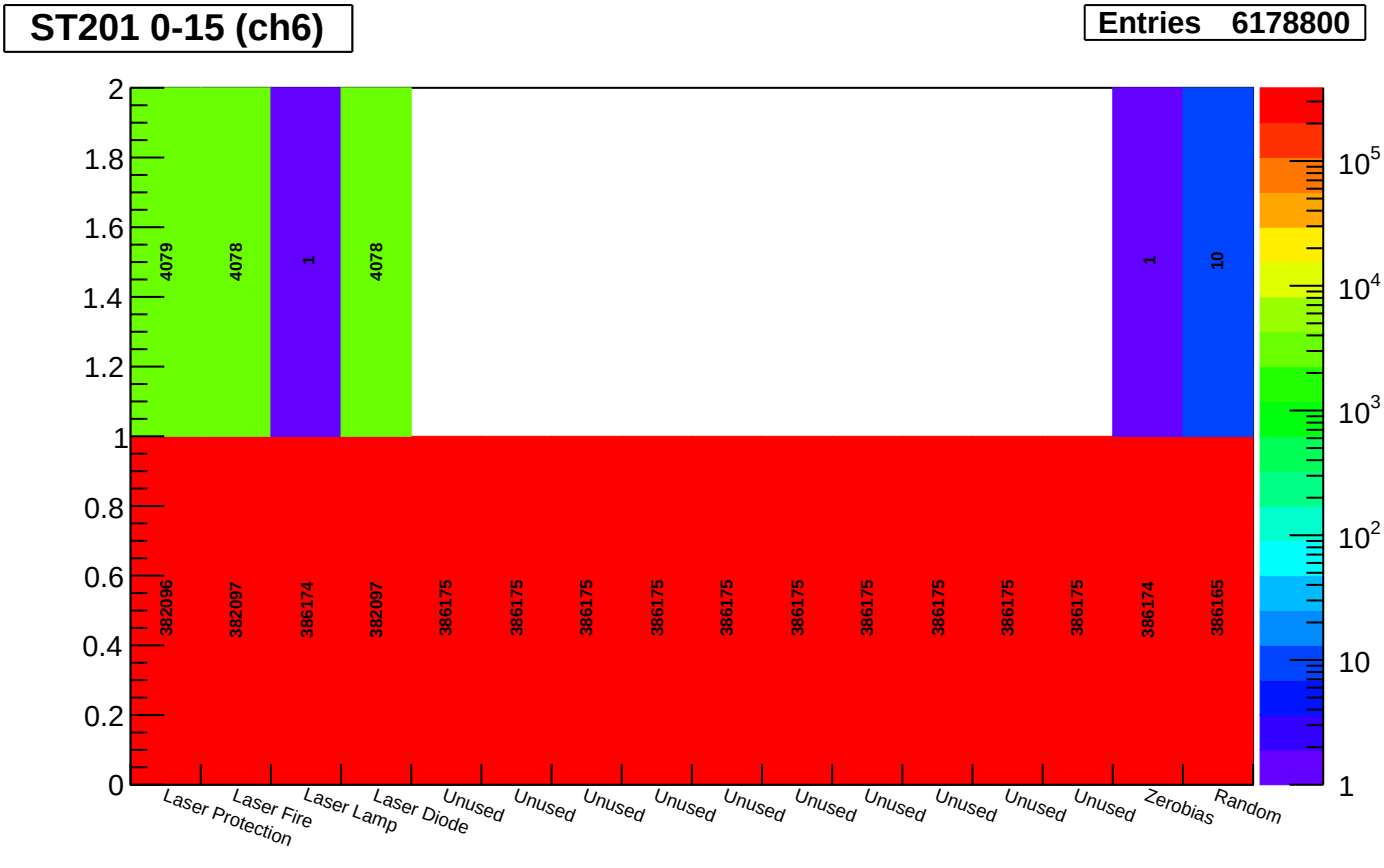

Entries 386175
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

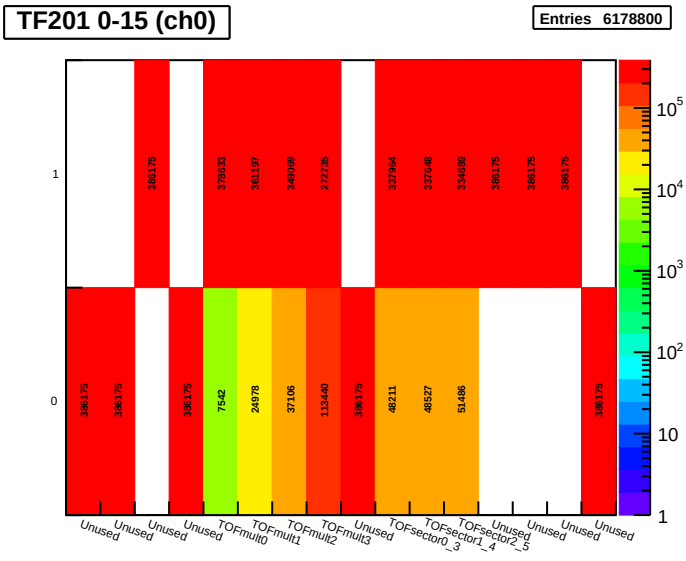

Entries 386175
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

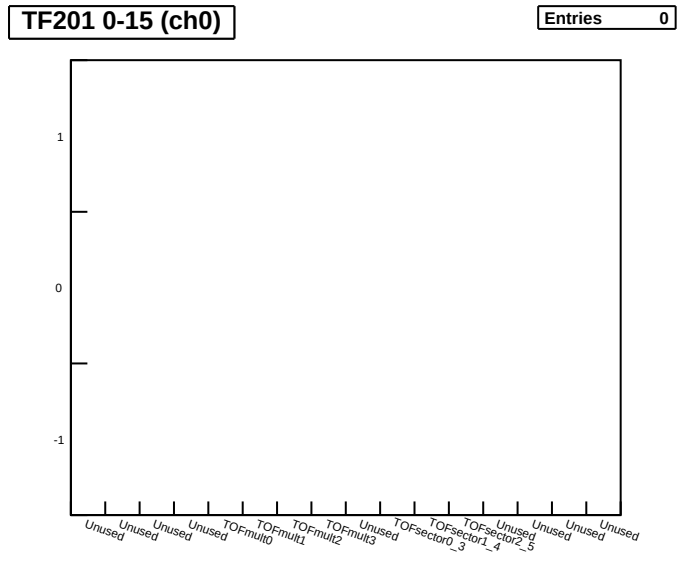

Entries 386175
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

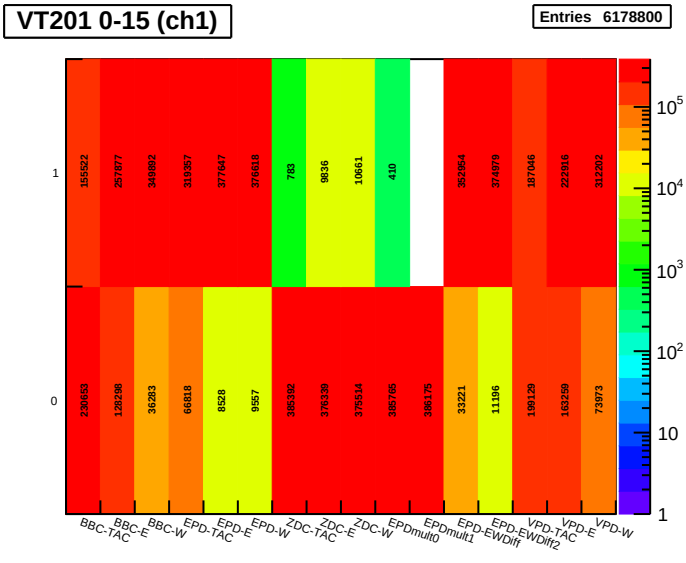

Entries 386175
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

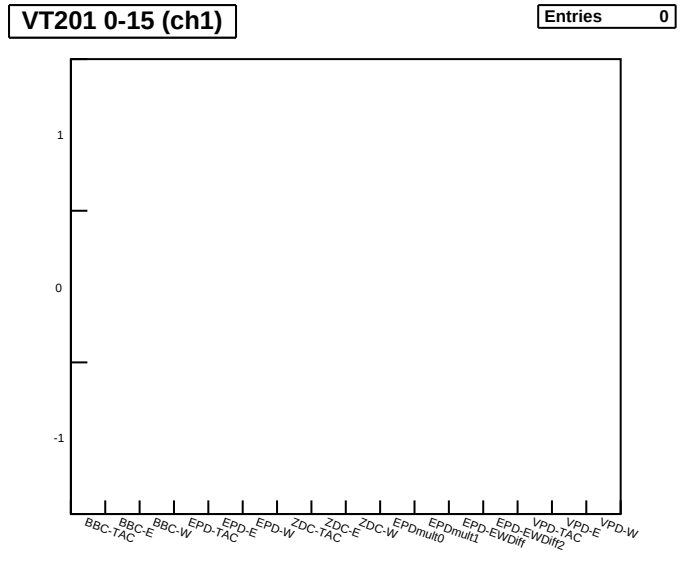

Laser Input Bits
Entries 386175
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

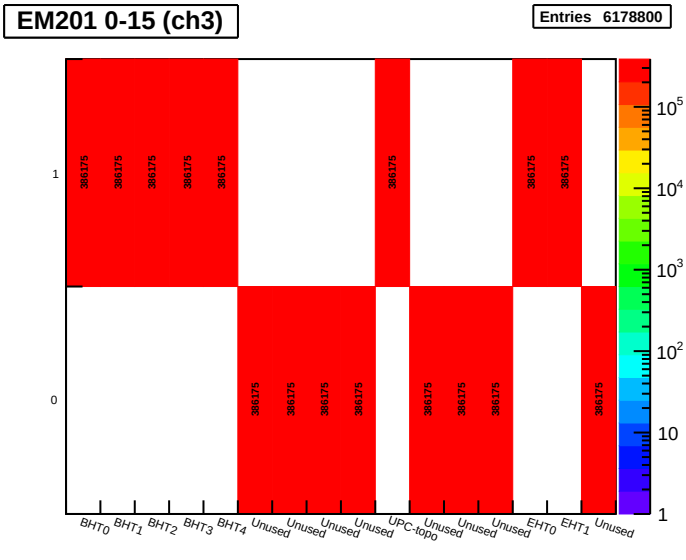

ST201 0-15 (ch6)
Entries 6178800
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
4079
4078
1
4078
1
10
382096
382097
386174
382097
386175
386175
386175
386175
386175
386175
386175
386175
386175
386175
386174
386165
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

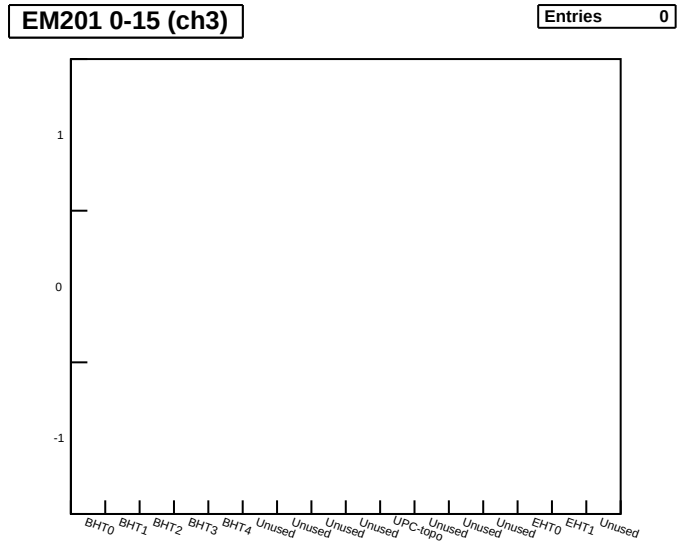

TF201 0-15 (ch0)
Entries 6178800
1
0
386175 386175 386175 386175 376633 361197 349069 272735 337964 337648 334689 386175 386175 386175
386175 386175 386175 7542 24978 37106 113440 386175 48211 49527 51486 386175
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 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 6178800
1
0
155522 257877 349092 319357 377647 376618 783 9836 10661 410 352954 374979 187046 229916 312282
230653 128298 36283 66818 8528 9557 386392 376339 375514 385765 386175 33221 11196 159129 163259 73973
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 6178800
1
0
386175 386175 386175 386175 386175 386175 386175 386175
386175 386175 386175 386175 386175 386175 386175 386175
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