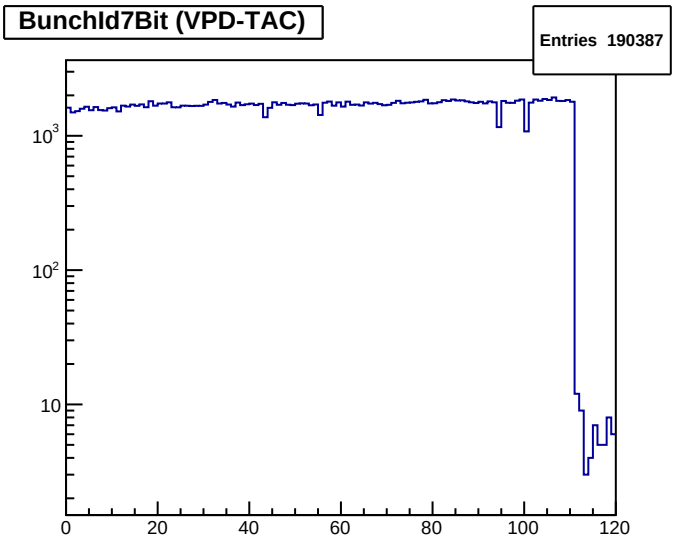
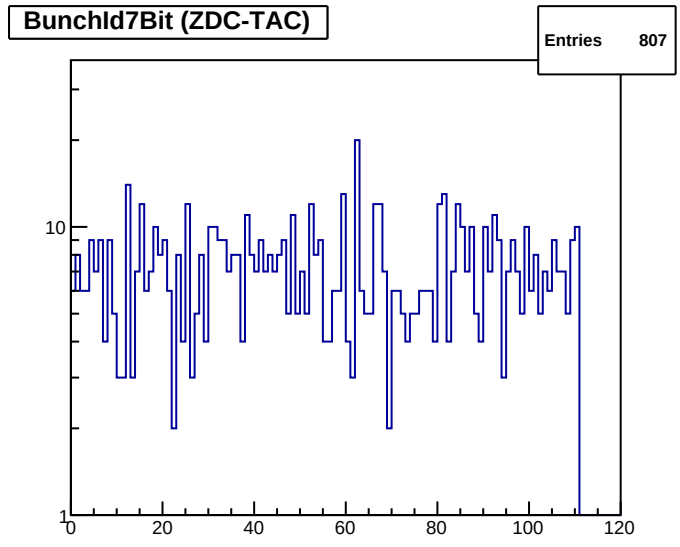
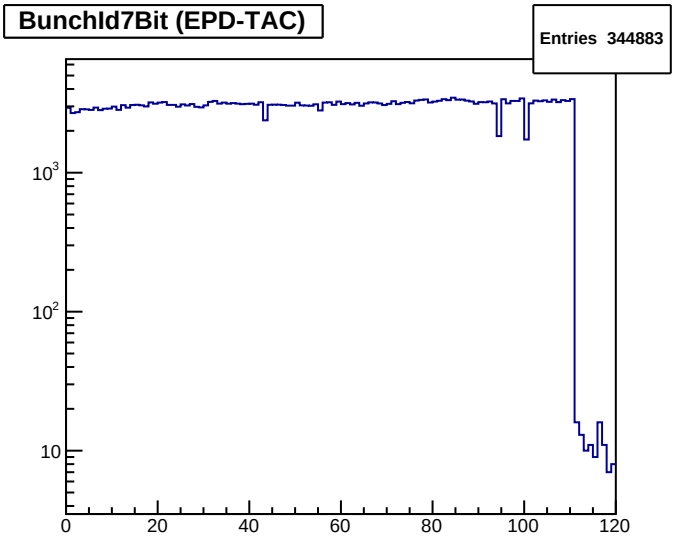
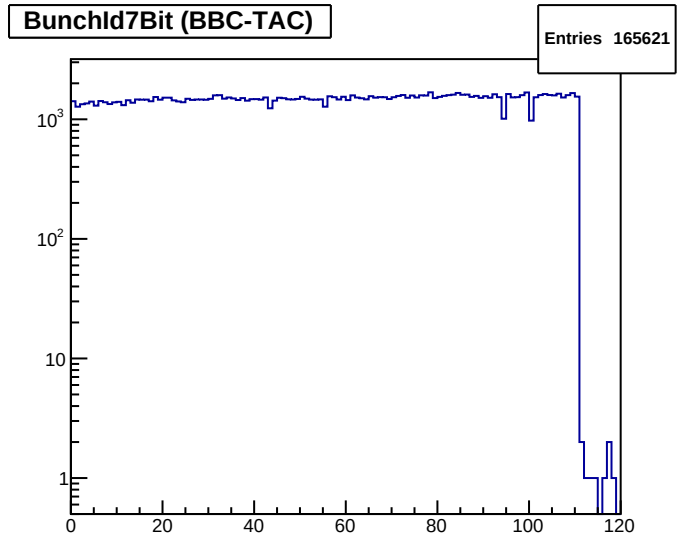
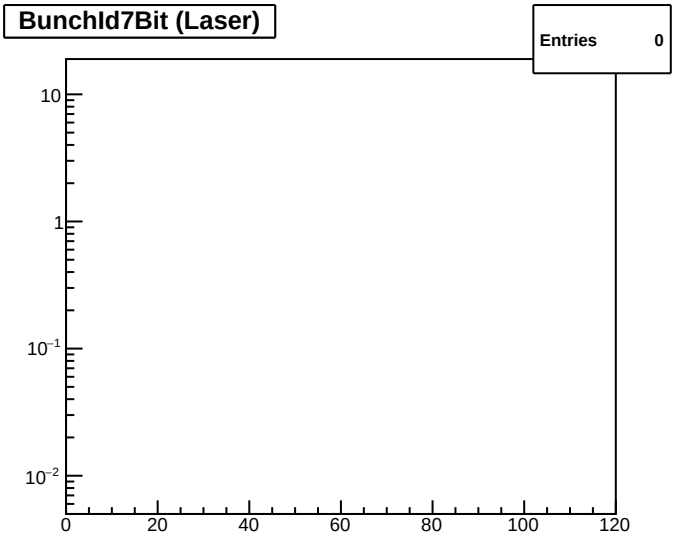
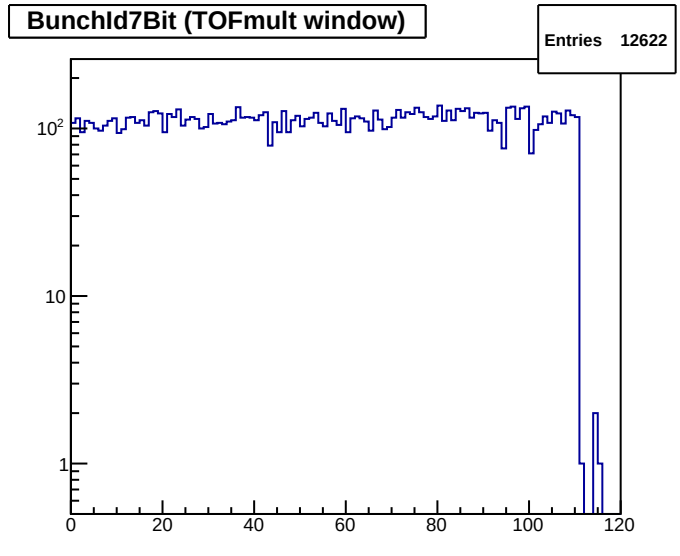

BunchId7Bit (VPD-TAC)
Entries 190387

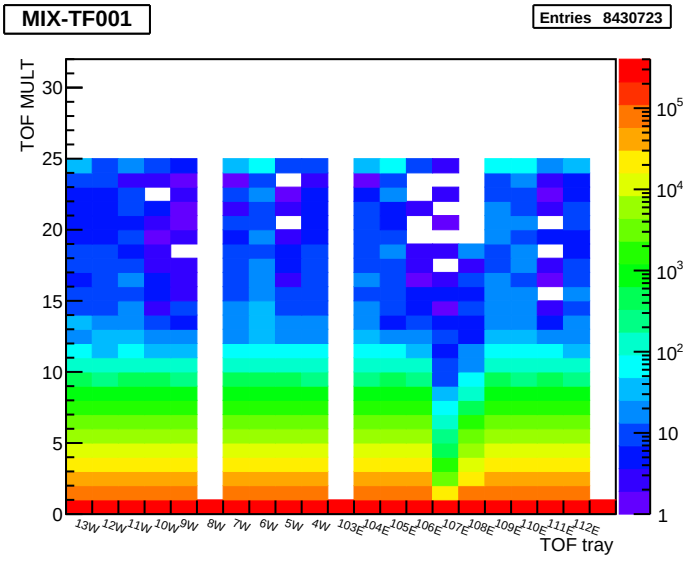

BunchId7Bit (ZDC-TAC)
Entries 807

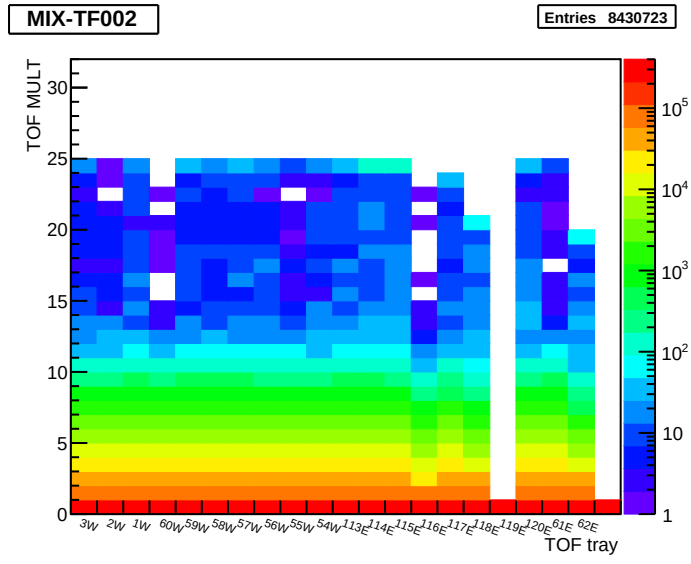

BunchId7Bit (EPD-TAC)
Entries 344883

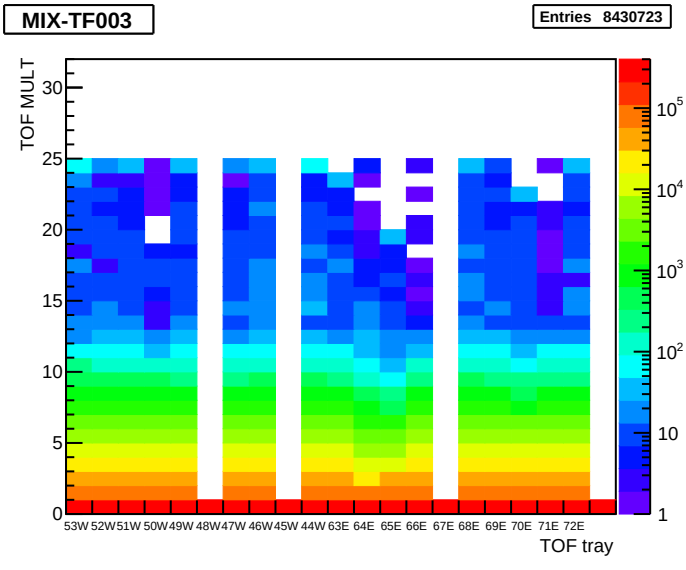

BunchId7Bit (BBC-TAC)
Entries 165621

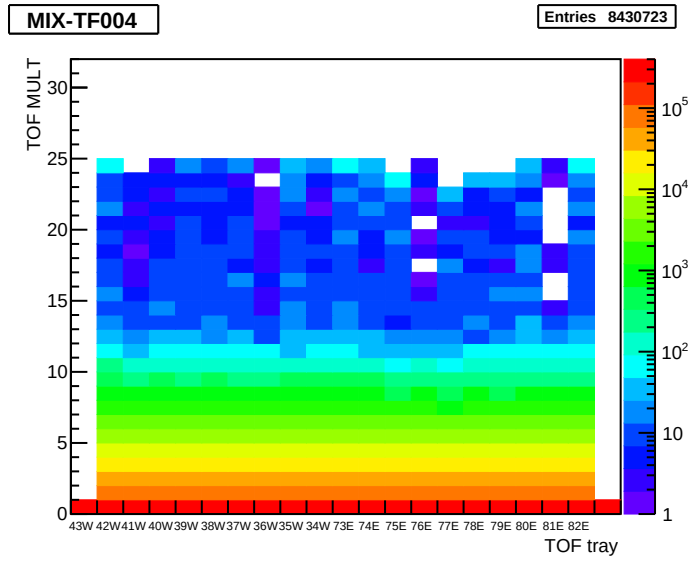

BunchId7Bit (Laser)
Entries 0

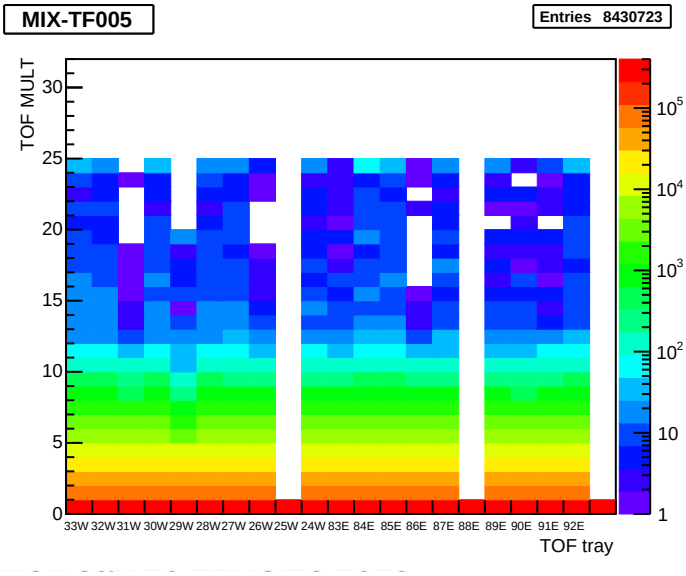

BunchId7Bit (TOFmult window)
Entries 12622

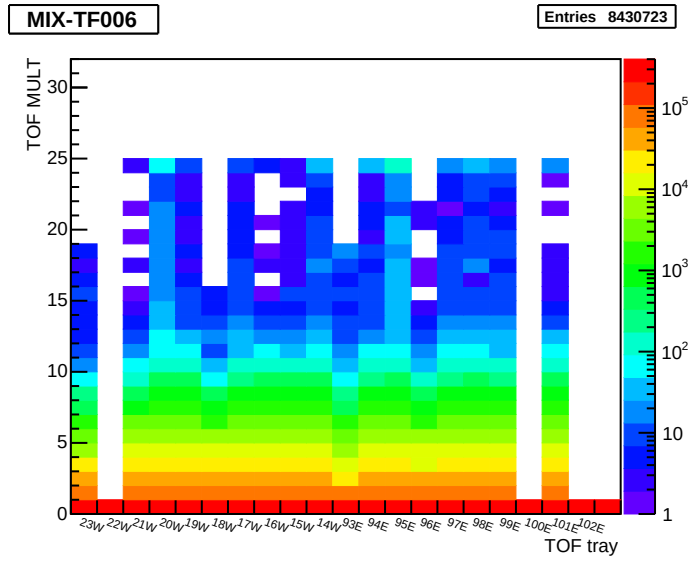

MIX-TF001
Entries 8430723
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

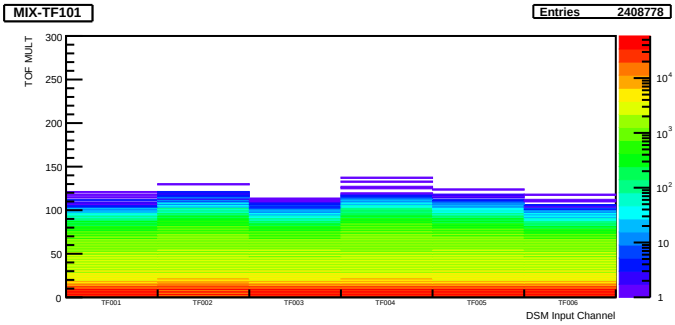

MIX-TF002
Entries 8430723
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

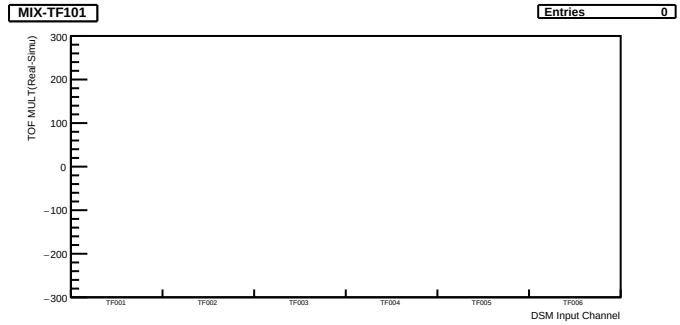

MIX-TF003
Entries 8430723
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

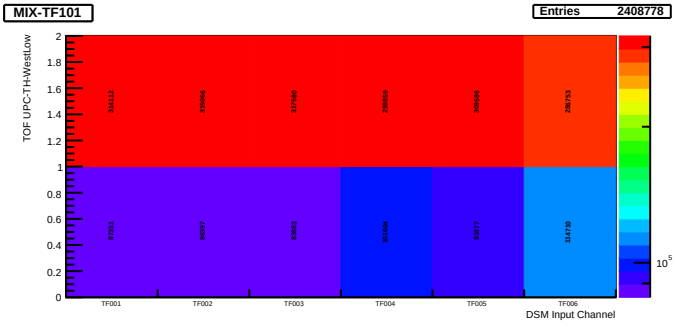

MIX-TF004
Entries 8430723
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

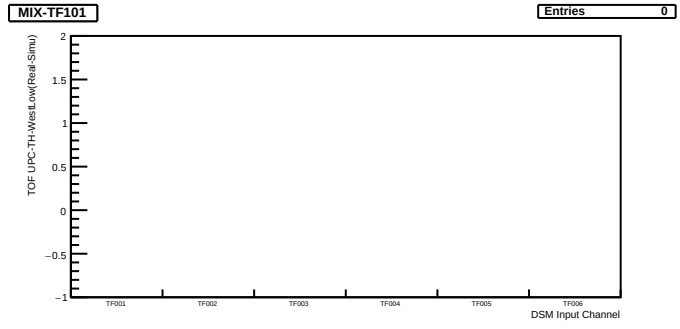

MIX-TF005
Entries 8430723
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

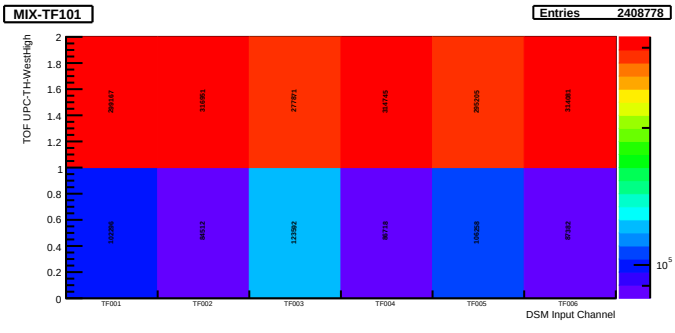

MIX-TF006
Entries 8430723
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

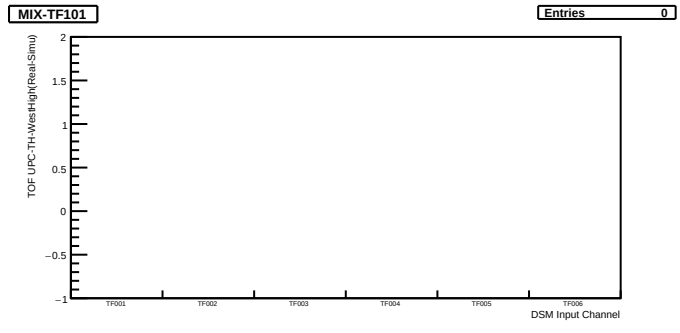

MIX-TF101
Entries 2408778
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

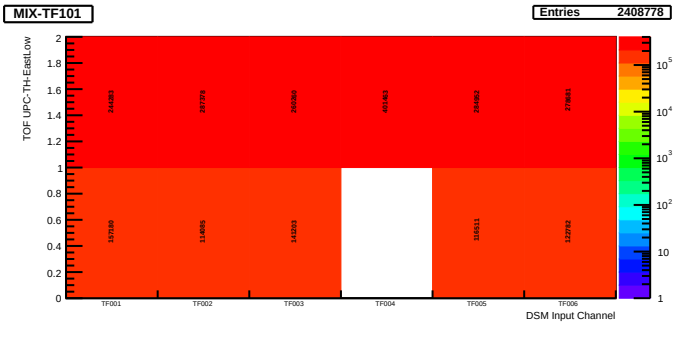

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

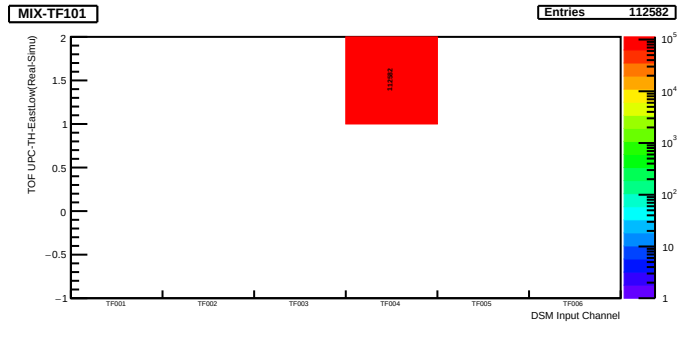

MIX-TF101
Entries 2408778
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

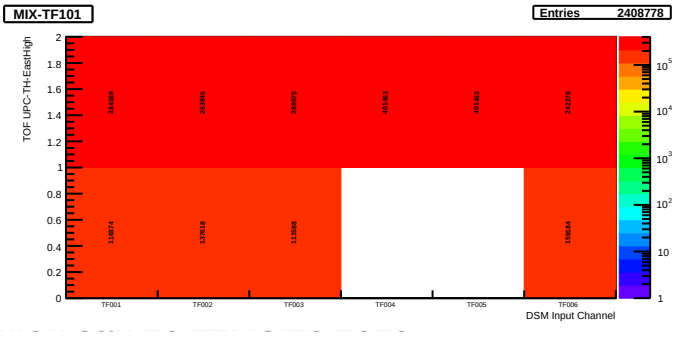

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

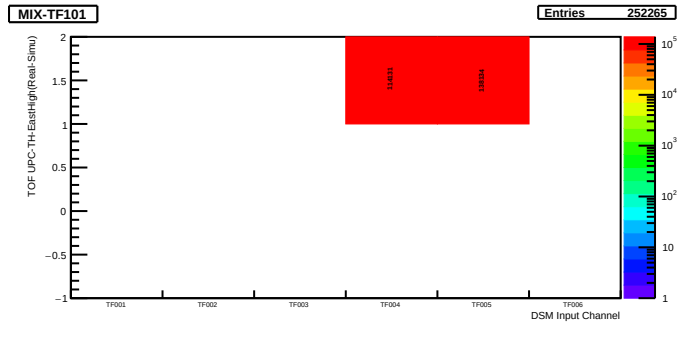

MIX-TF101
Entries 2408778
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

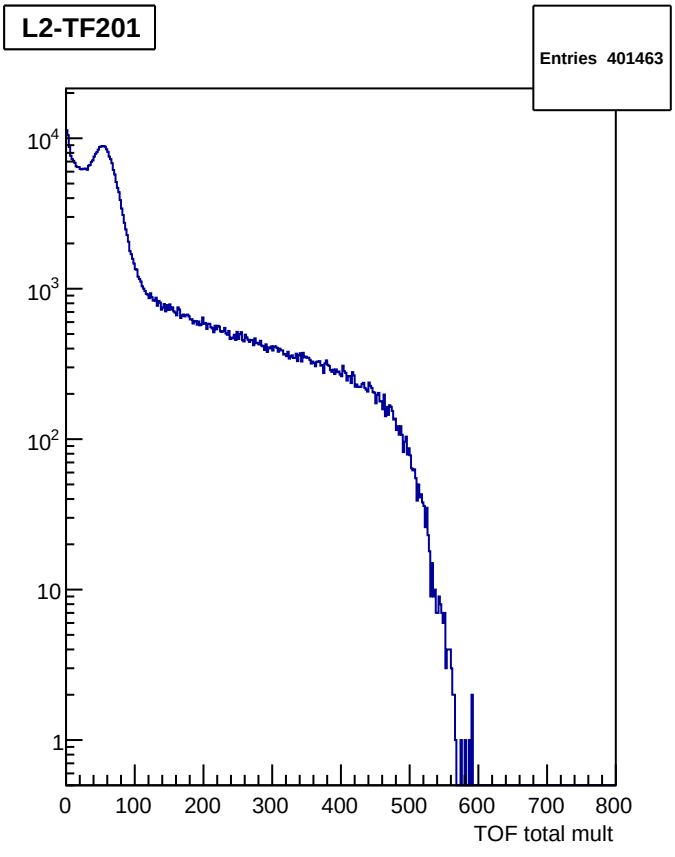

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

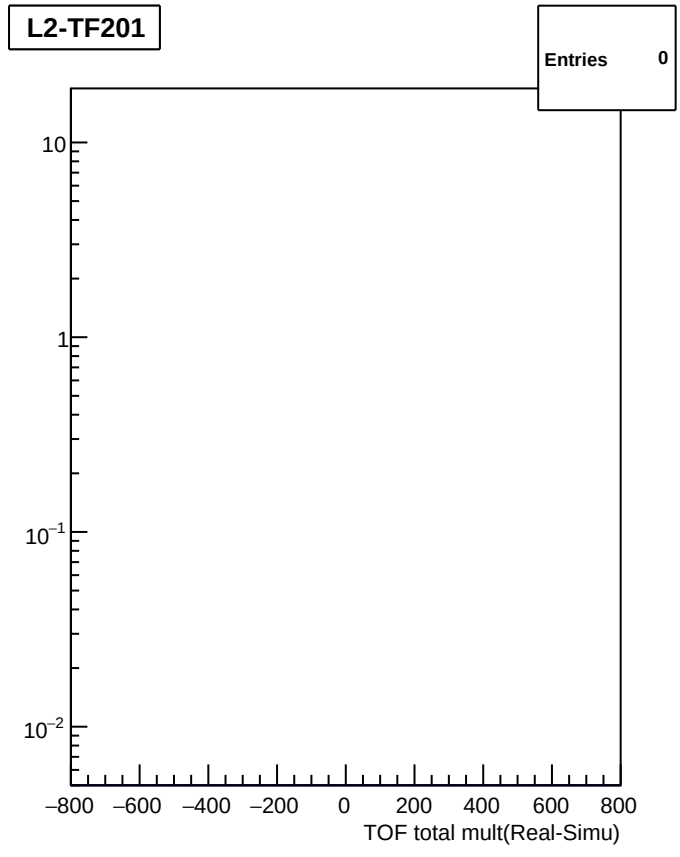

MIX-TF101
Entries 2408778
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

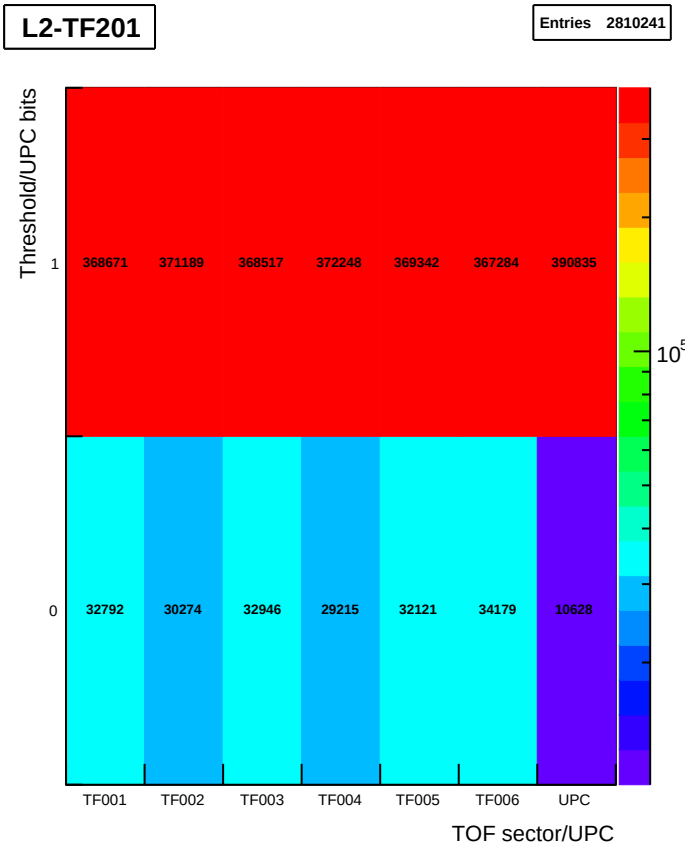

MIX-TF101
Entries 112582
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

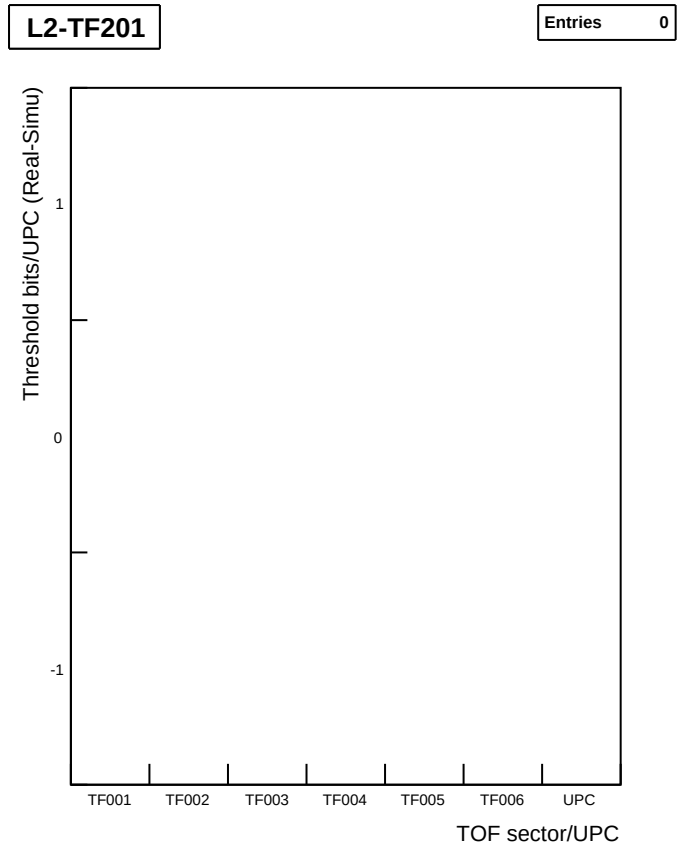

MIX-TF101
Entries 2408778
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

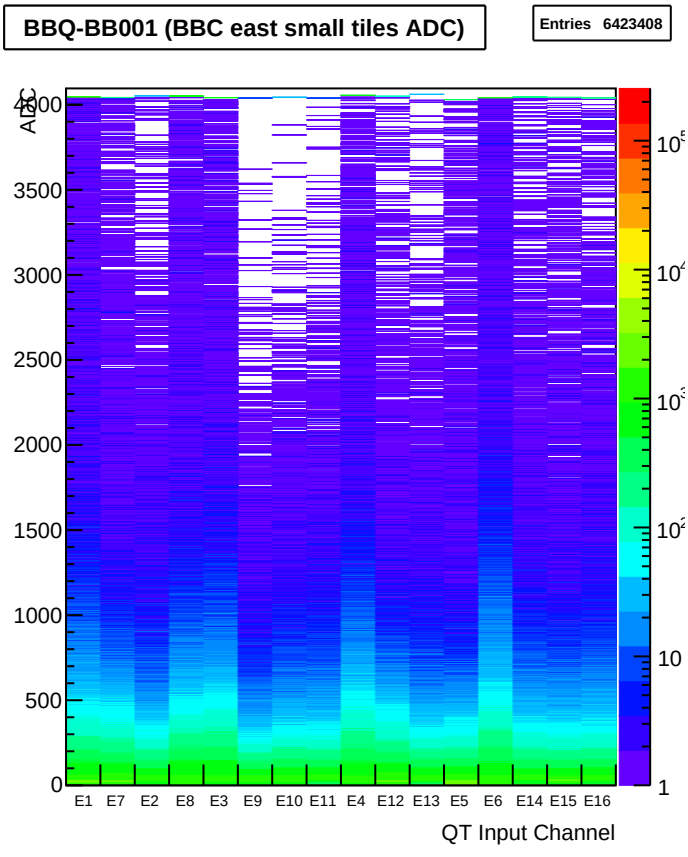

MIX-TF101
Entries 252265
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

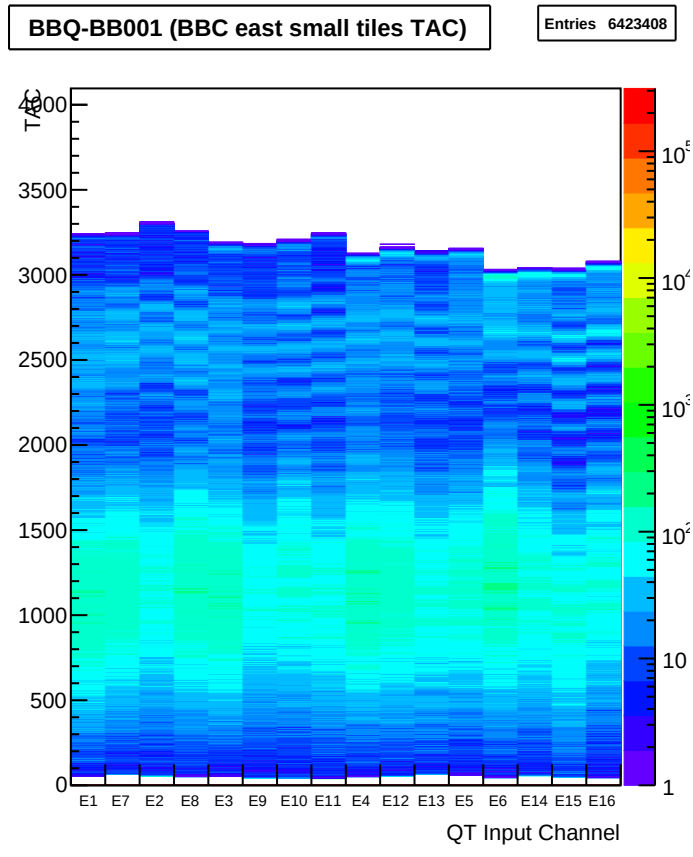

L2-TF201
Entries 401463
TOF total mult

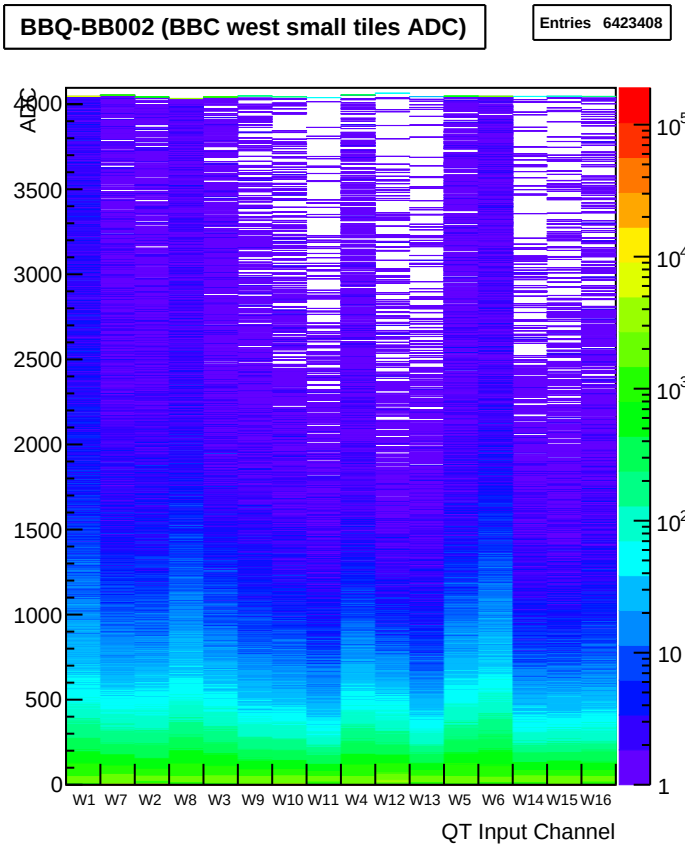

L2-TF201
Entries 0
TOF total mult(Real-Simu)

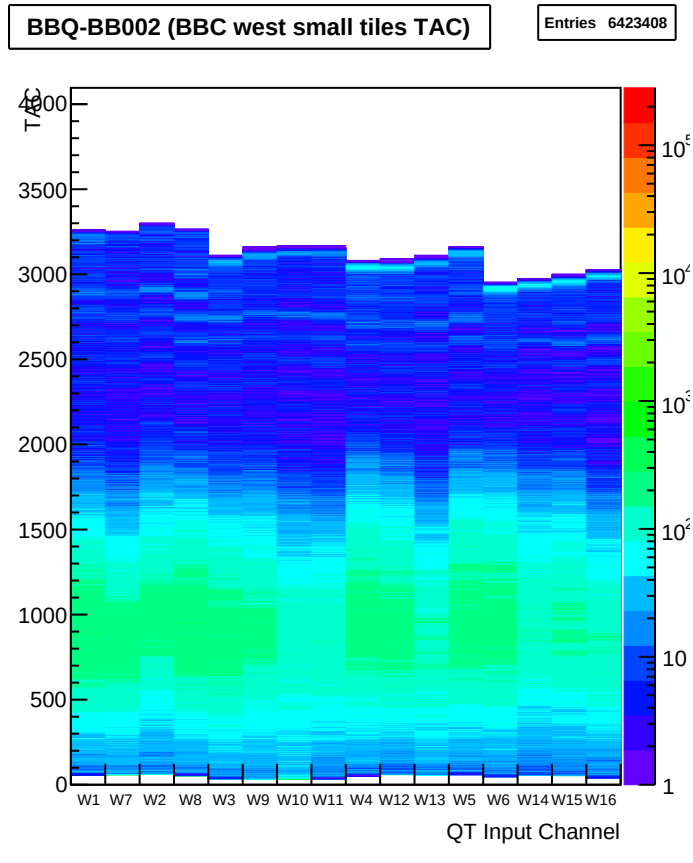

L2-TF201
Entries 2810241
Threshold/UPC bits
368671
371189
368517
372248
369342
367284
390835
32792
30274
32946
29215
32121
34179
10628
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

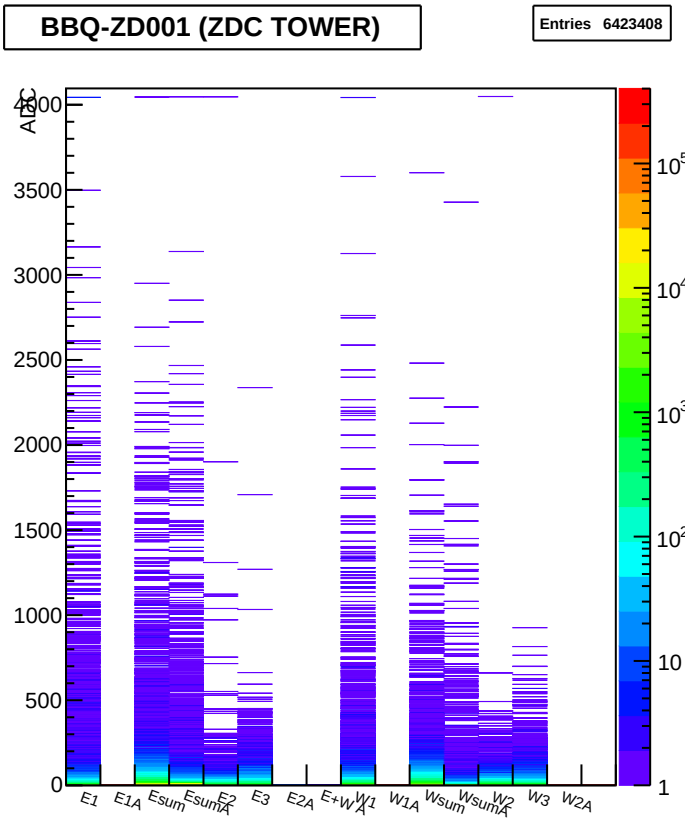

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

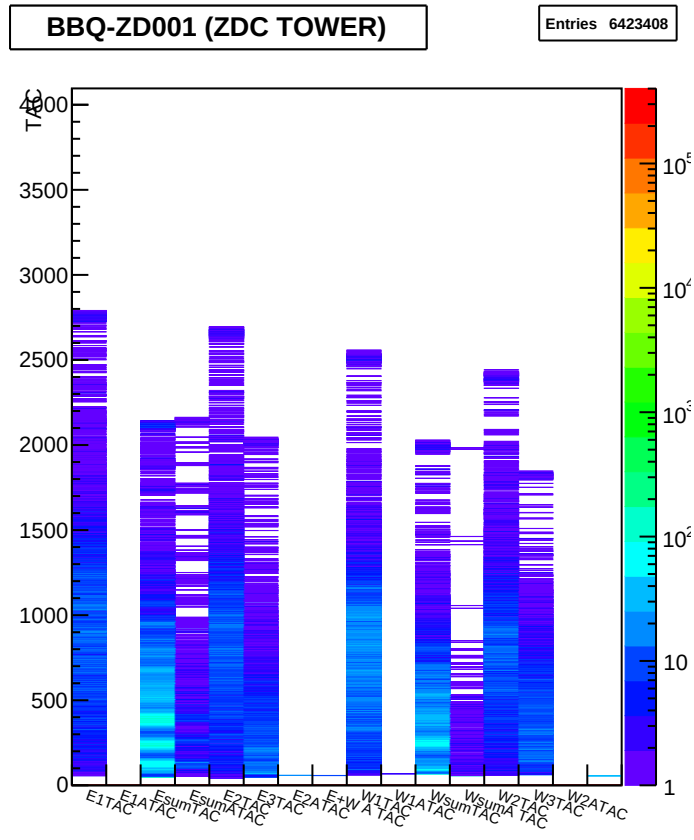

BBQ-BB001 (BBC east small tiles ADC)
Entries 6423408
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

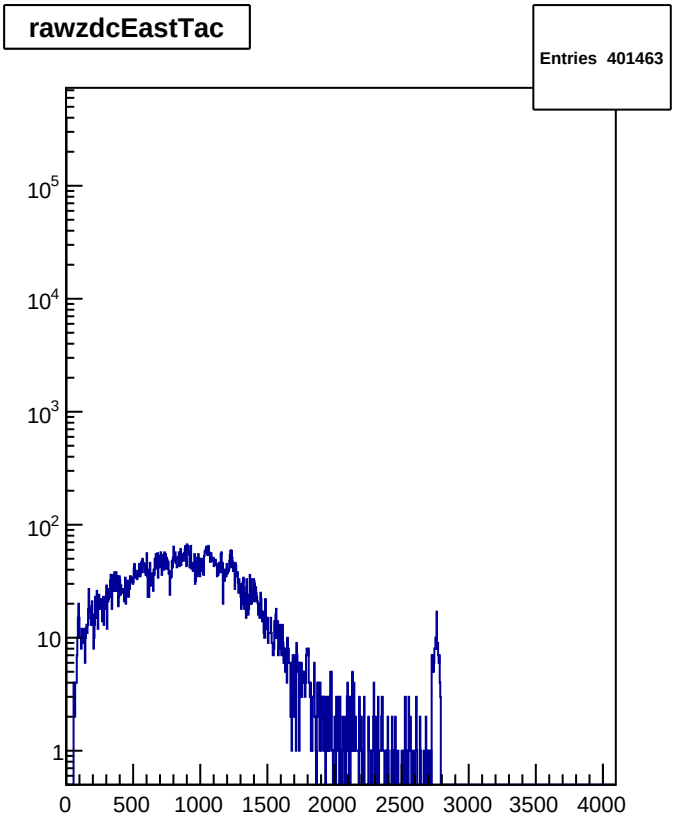

BBQ-BB001 (BBC east small tiles TAC)
Entries 6423408
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

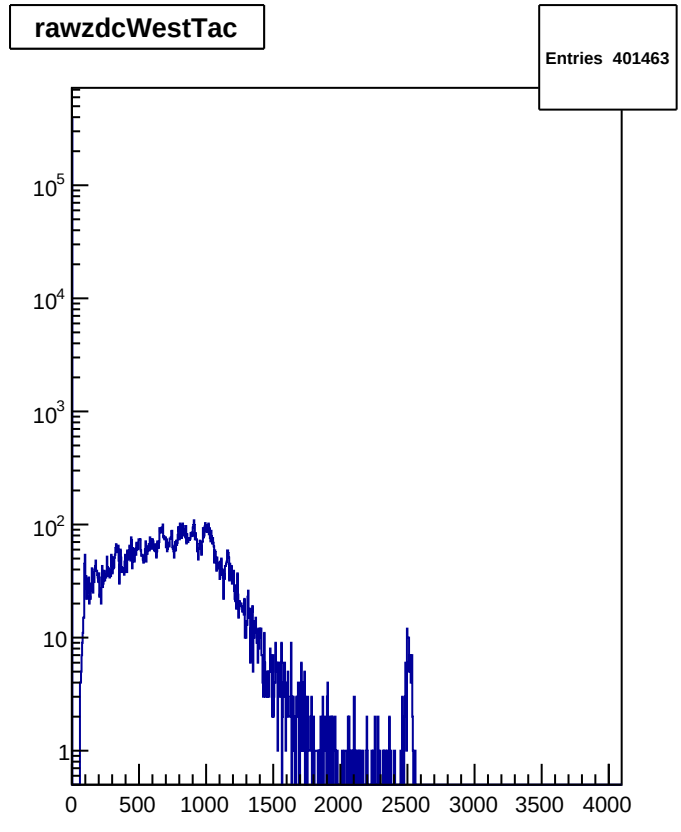

BBQ-BB002 (BBC west small tiles ADC)
Entries 6423408
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

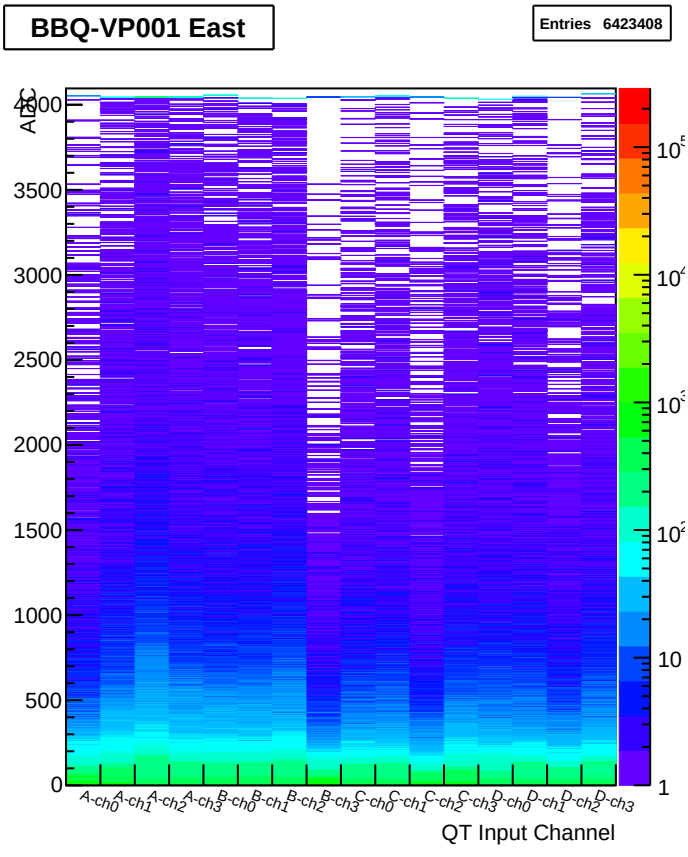

BBQ-BB002 (BBC west small tiles TAC)
Entries 6423408
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

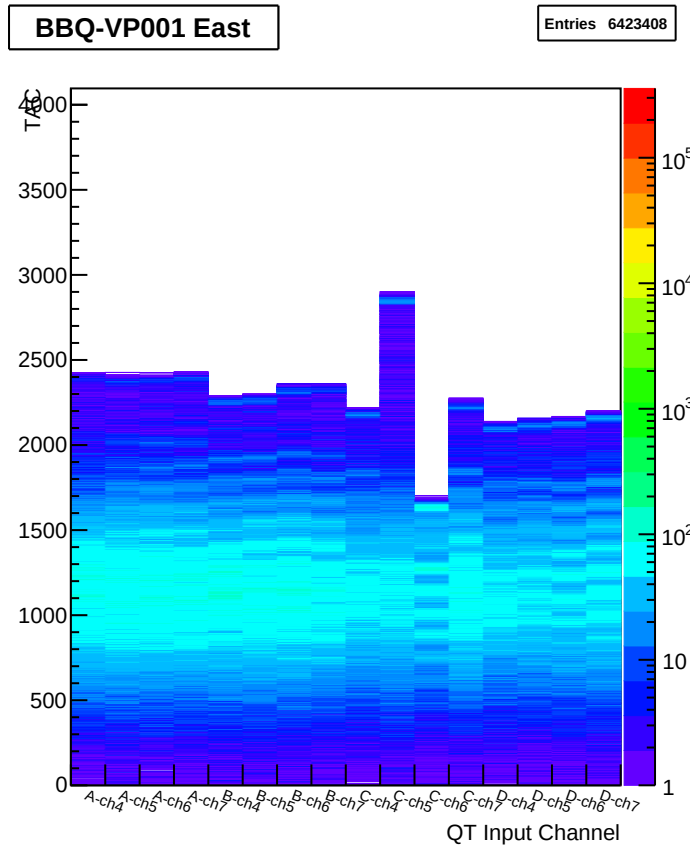

BBQ-ZD001 (ZDC TOWER)
Entries 6423408
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

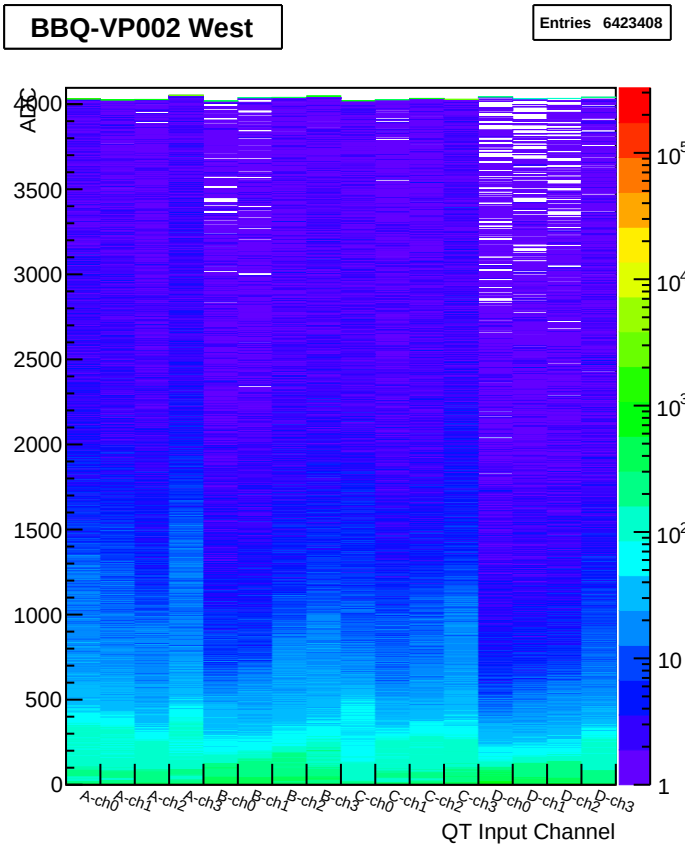

BBQ-ZD001 (ZDC TOWER)
Entries 6423408
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

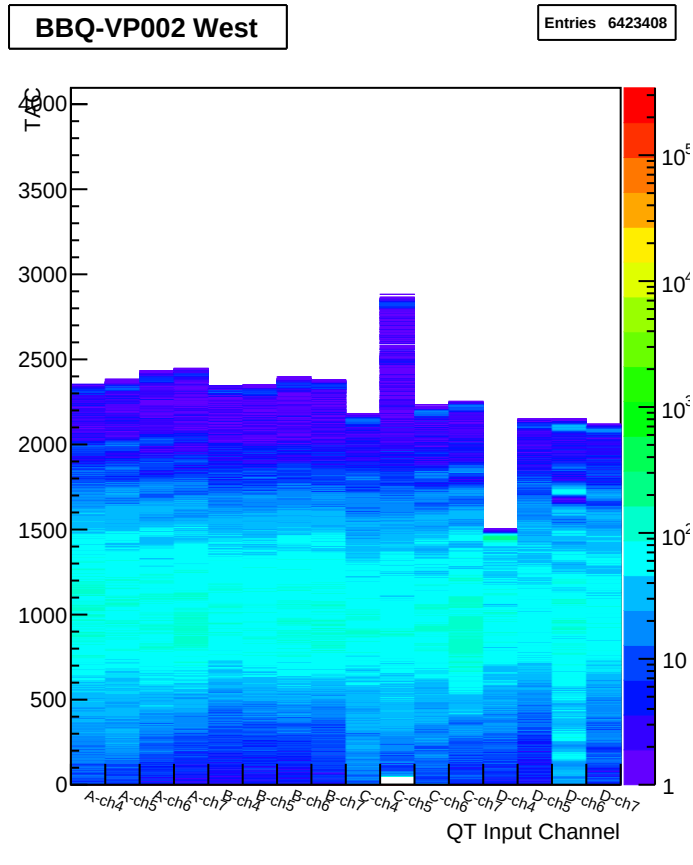

rawzdcEastTac
Entries 401463

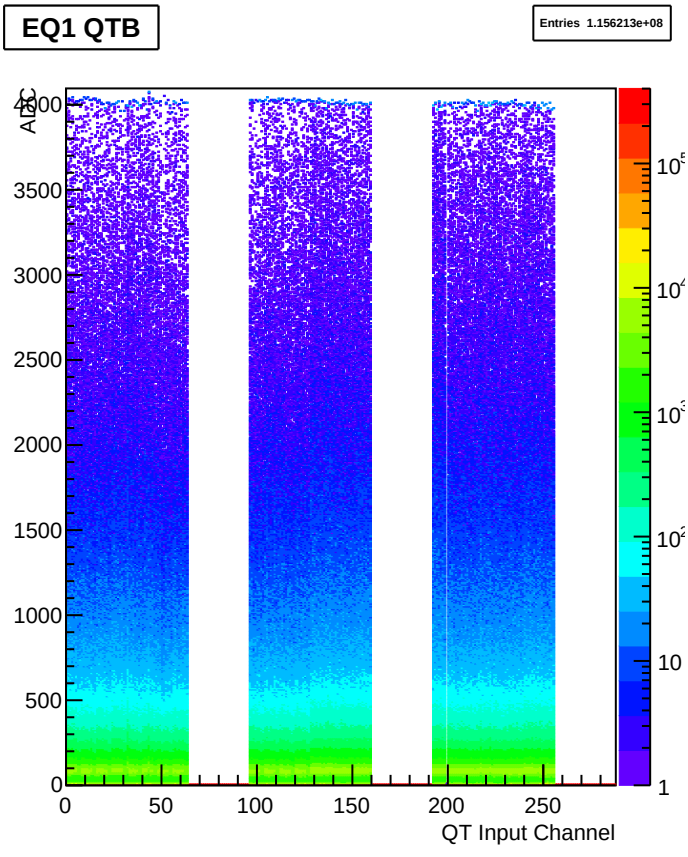

rawzdcWestTac
Entries 401463

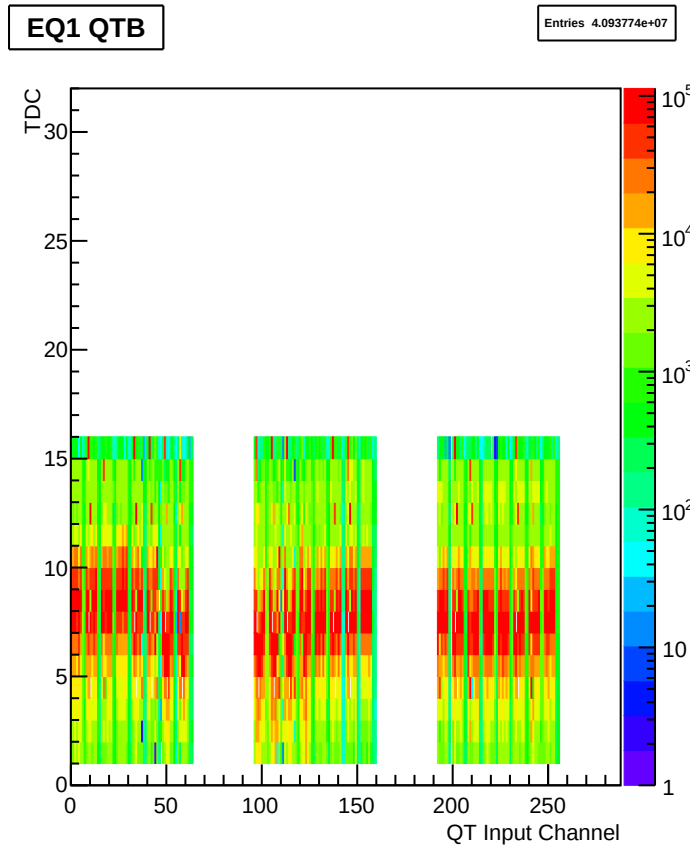

BBQ-VP001 East
Entries 6423408
ADC
QT Input Channel

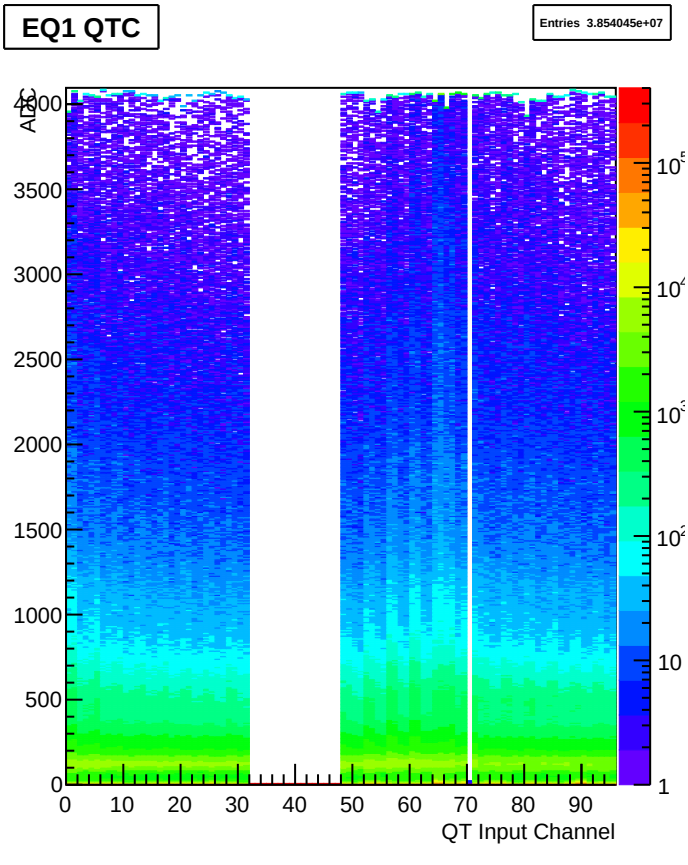

BBQ-VP001 East
Entries 6423408
TADC
QT Input Channel

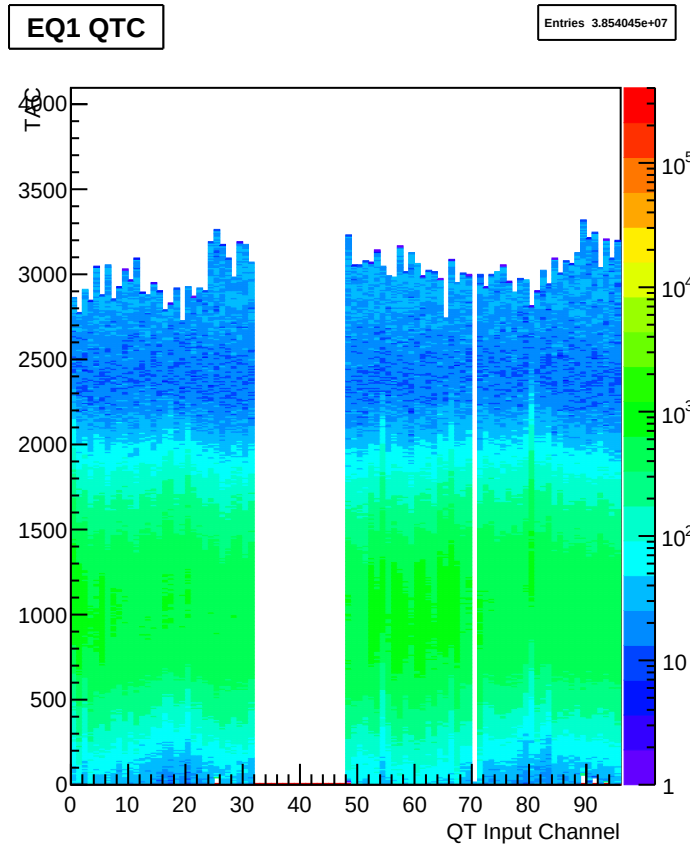

BBQ-VP002 West
Entries 6423408
ADC
QT Input Channel

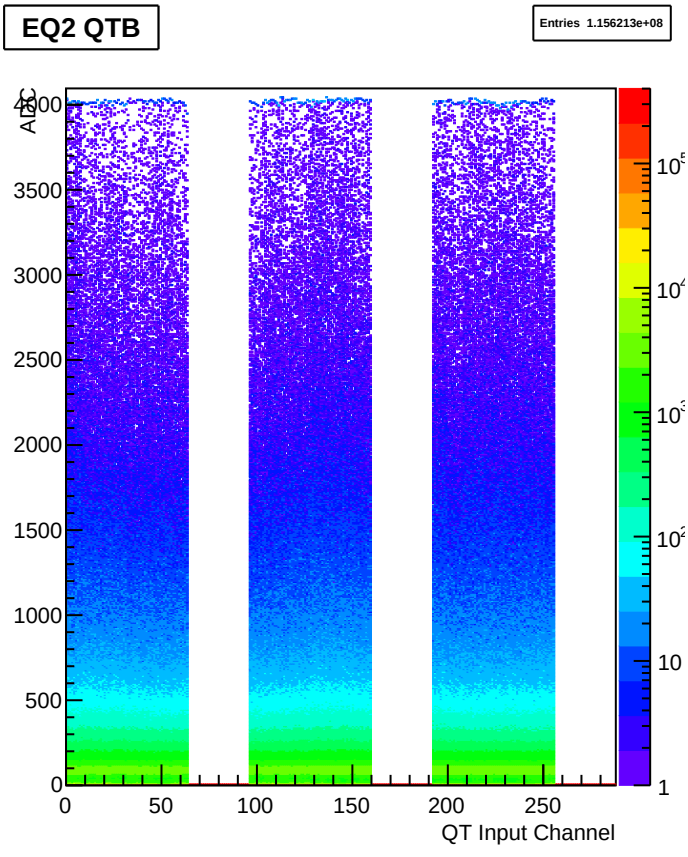

BBQ-VP002 West
Entries 6423408
TADC
QT Input Channel

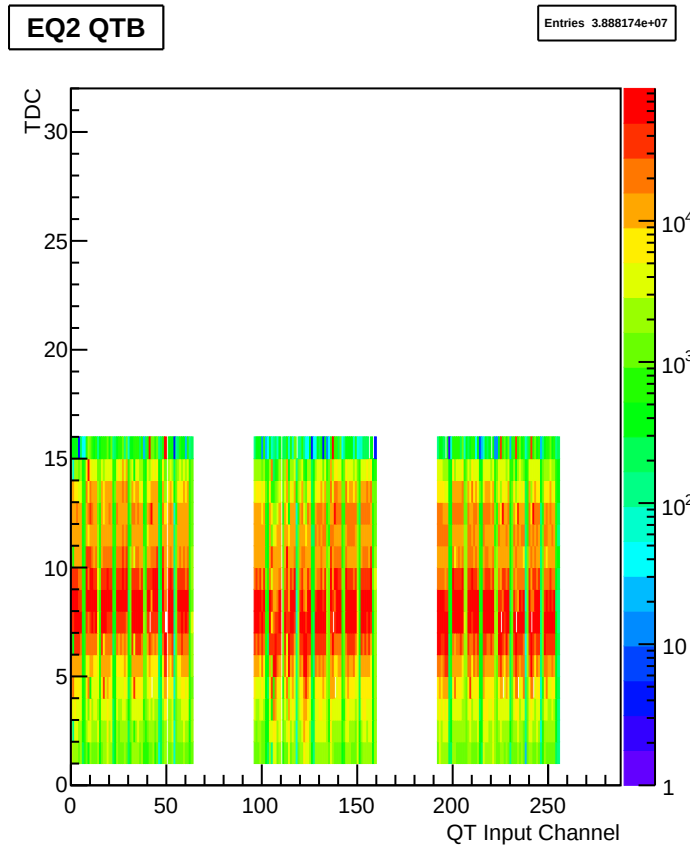

EQ1 QTB
Entries 1.156213e+08
ADC
QT Input Channel

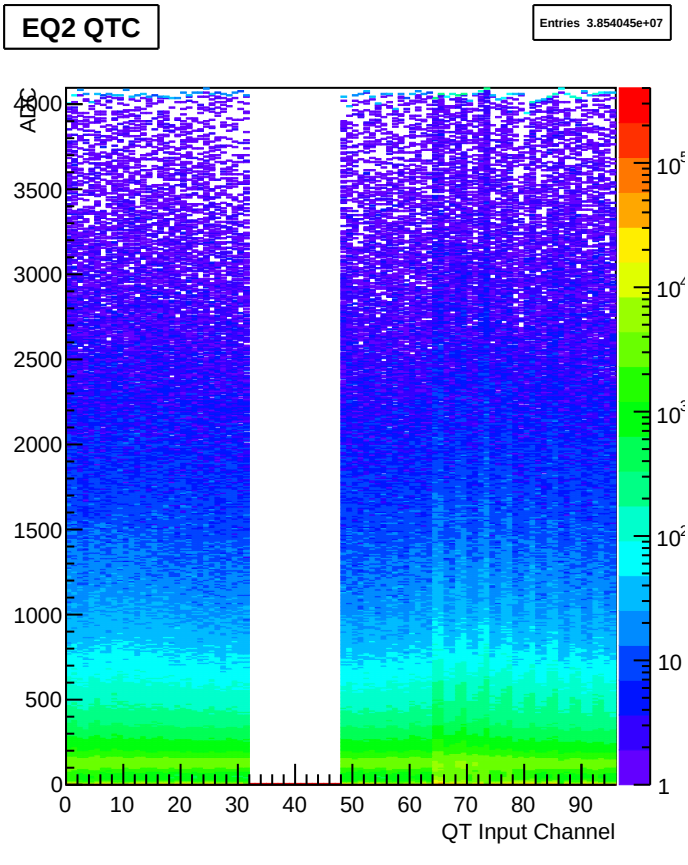

EQ1 QTB
Entries 4.093774e+07
TDC
QT Input Channel

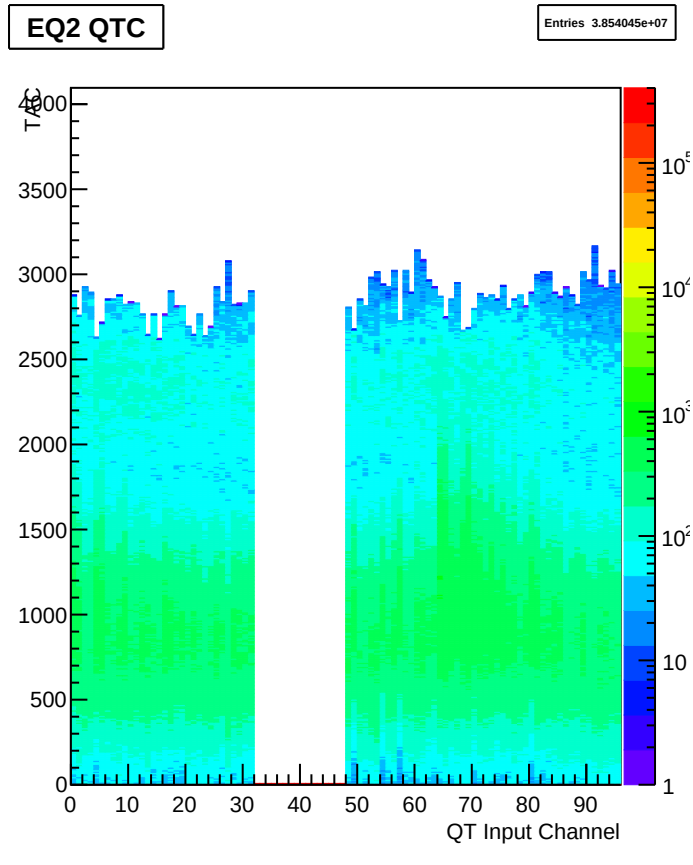

EQ1 QTC
Entries 3.854045e+07
ADC
QT Input Channel

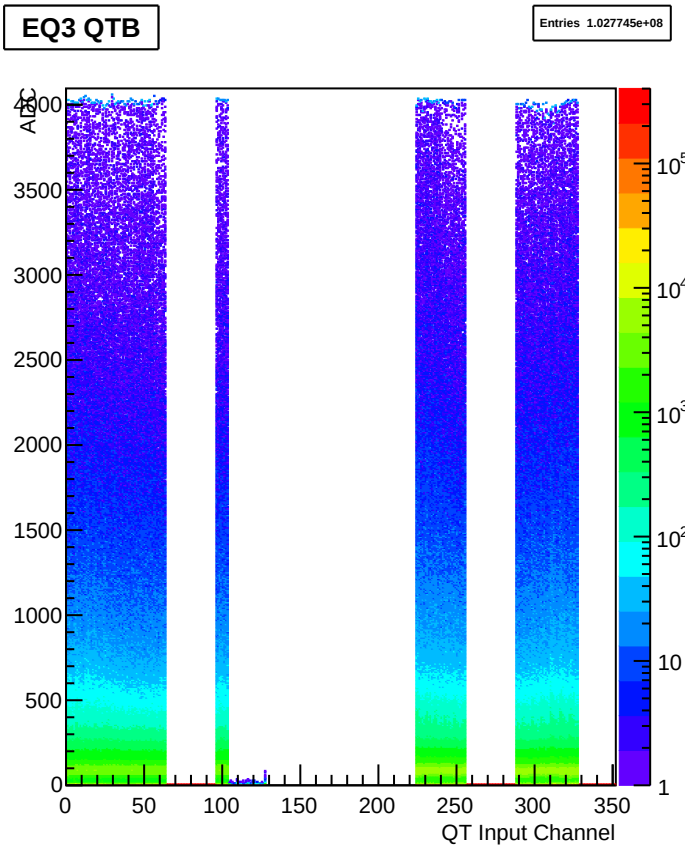

EQ1 QTC
Entries 3.854045e+07
TADC
QT Input Channel

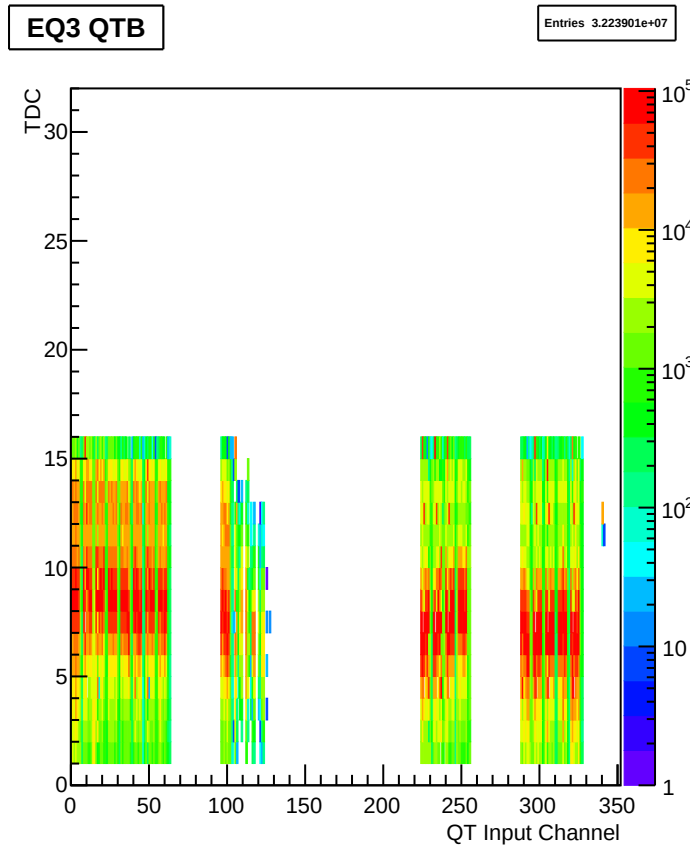

EQ2 QTB
Entries 1.156213e+08
ADC
QT Input Channel

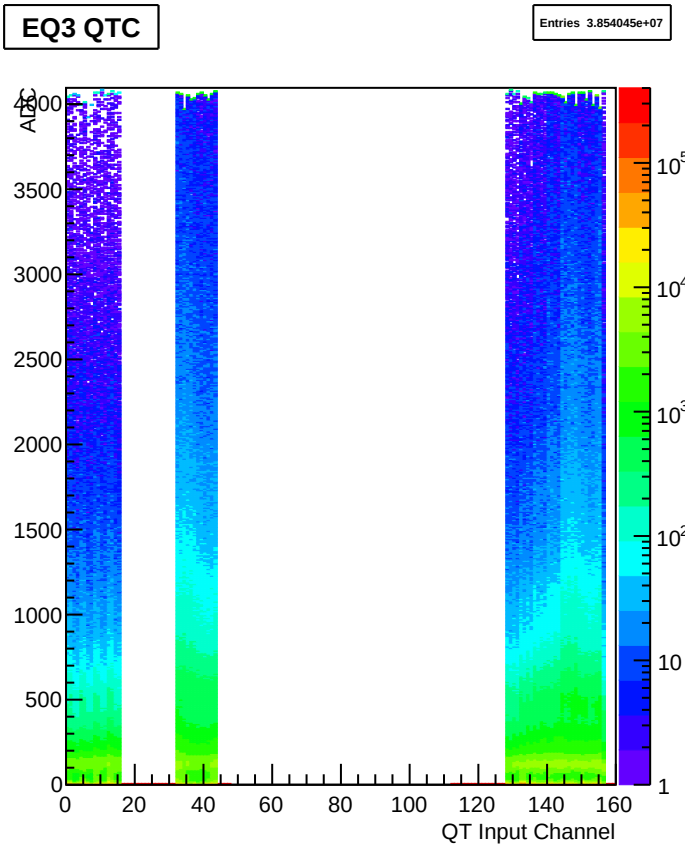

EQ2 QTB
Entries 3.888174e+07
TDC
QT Input Channel

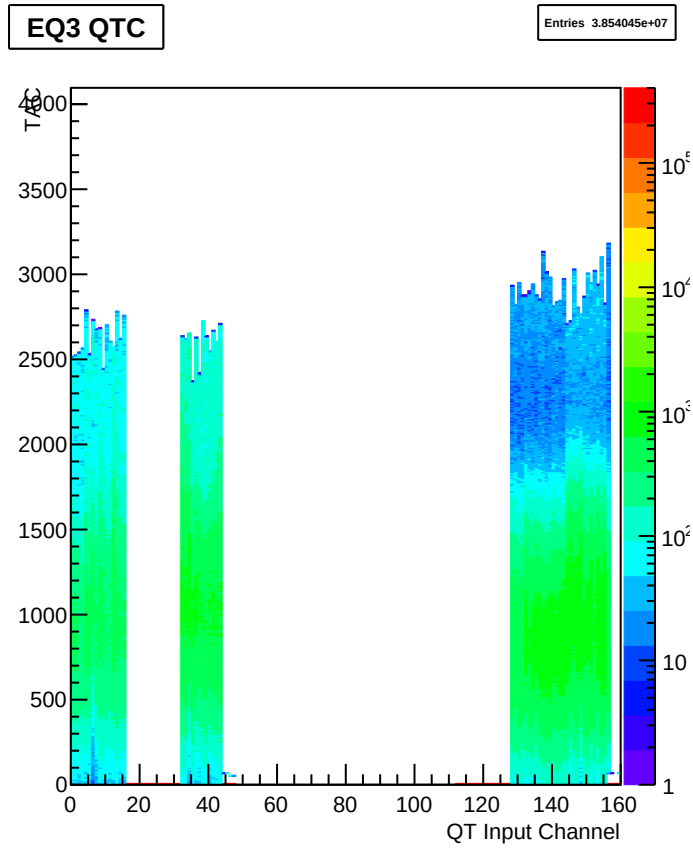

EQ2 QTC
Entries 3.854045e+07
ADC
QT Input Channel

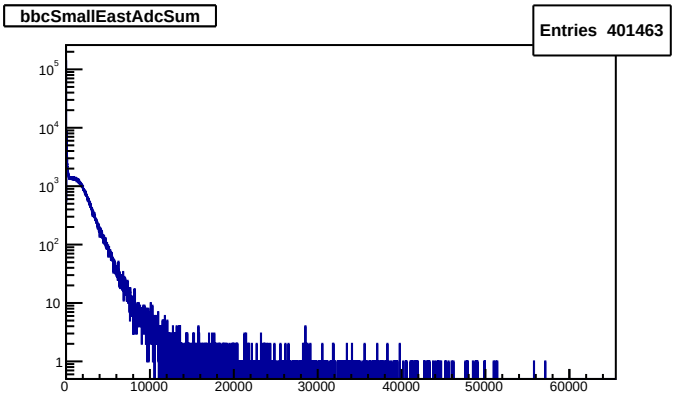

EQ2 QTC
Entries 3.854045e+07
TADC
QT Input Channel

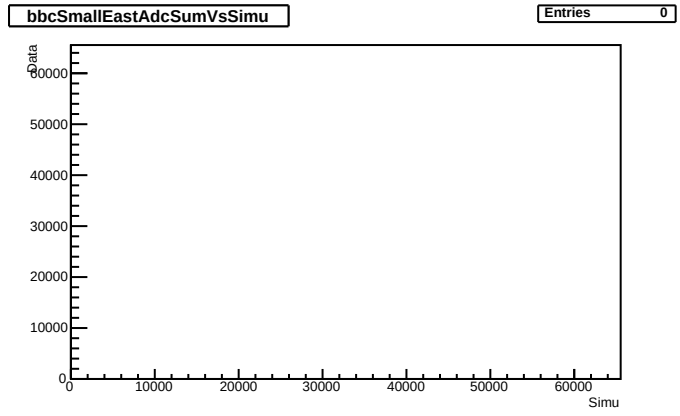

EQ3 QTB
Entries 1.027745e+08
ADC
QT Input Channel

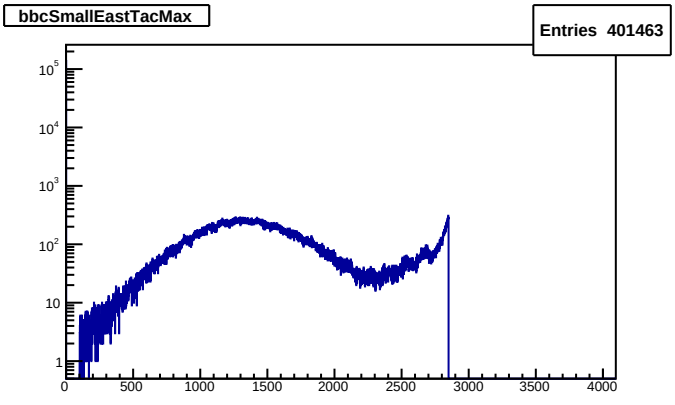

EQ3 QTB
Entries 3.223901e+07
TDC
QT Input Channel

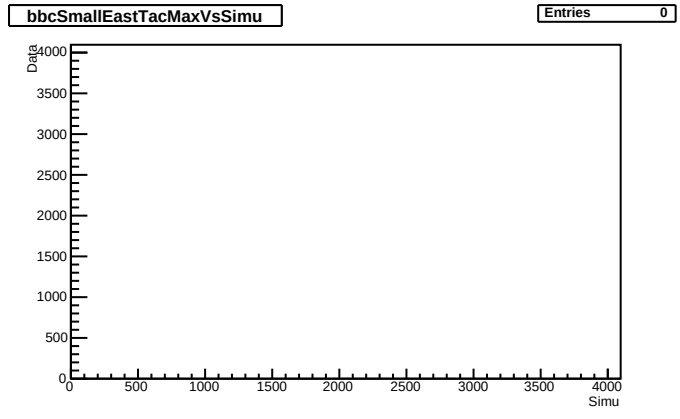

EQ3 QTC
Entries 3.854045e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.854045e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 401463


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 401463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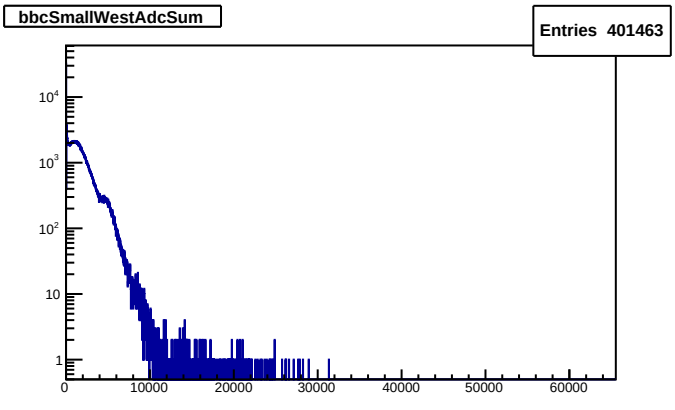
bbcSmallWestAdcSum
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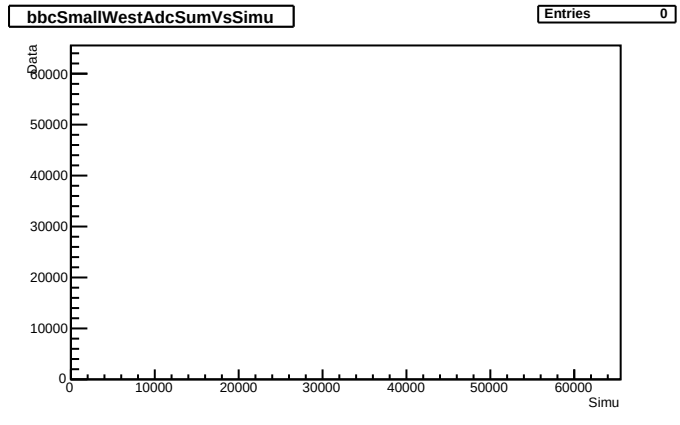
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Entries 0
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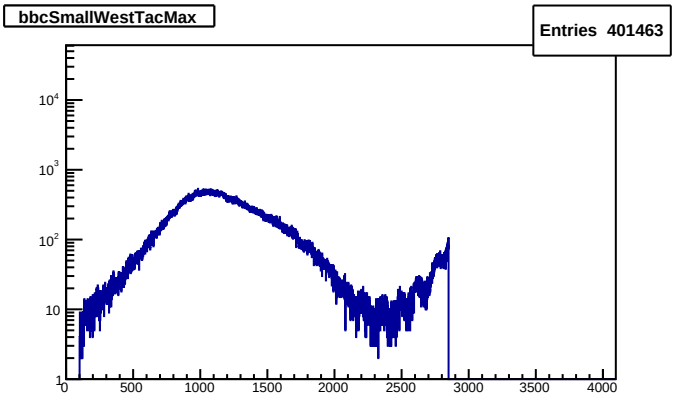
Simu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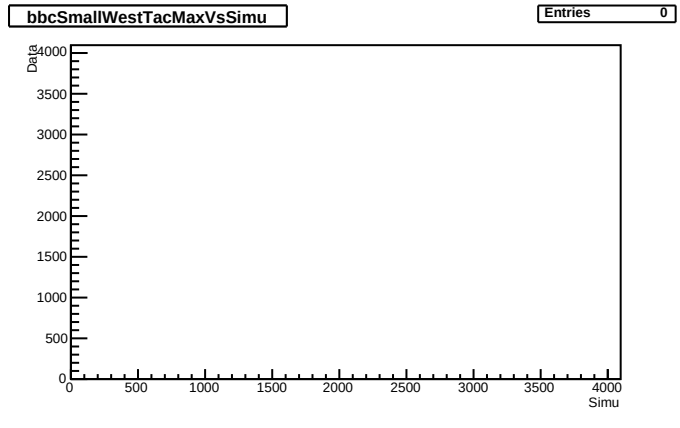
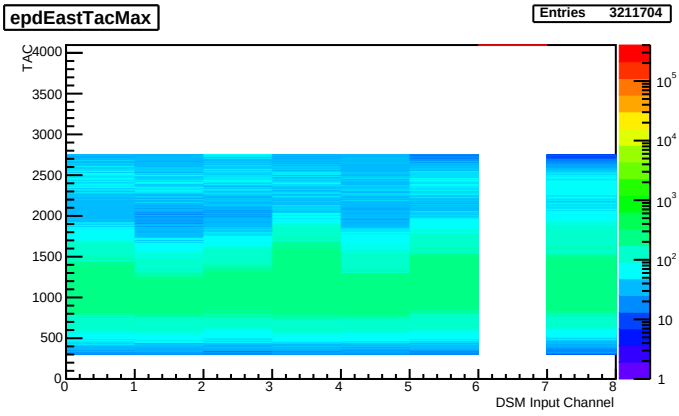
Entries 401463


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
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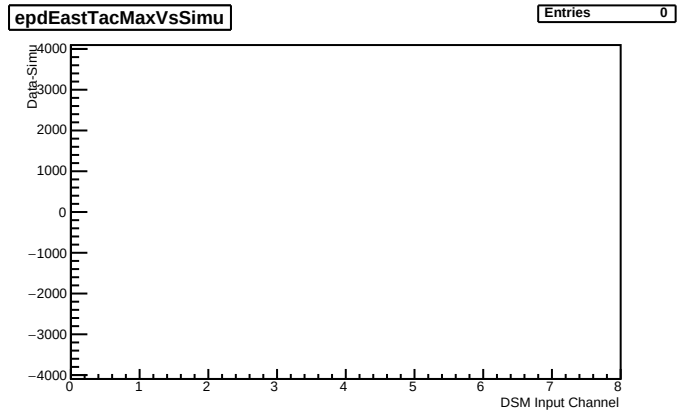
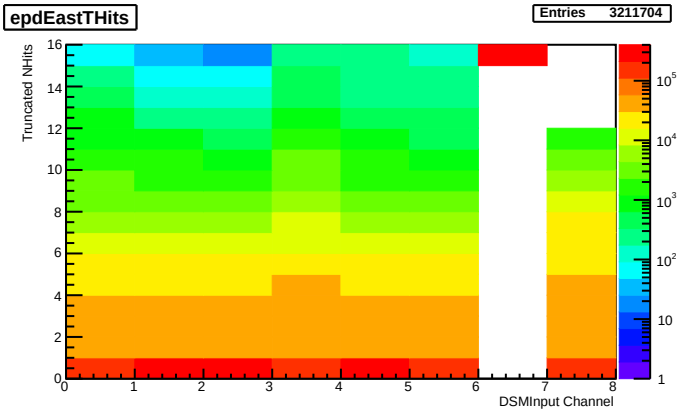
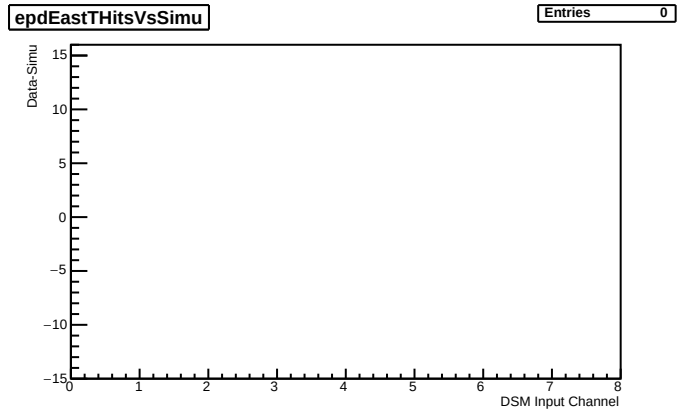
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3211704
Truncated NHits
DSMInput Channel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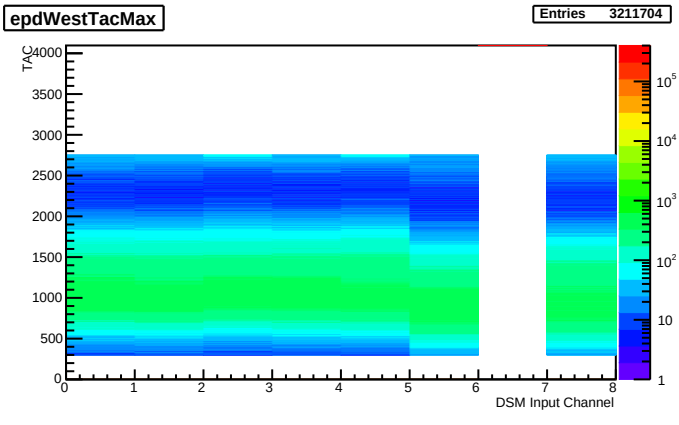
Data-Simu
DSM Input Channel


epdWestTacMax
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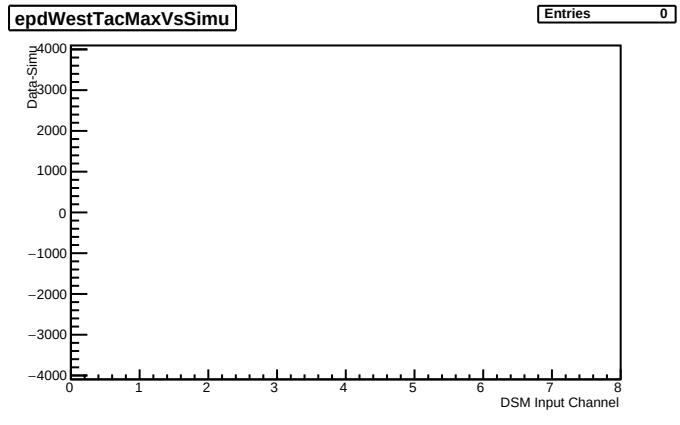
TAC
DSM Input Channel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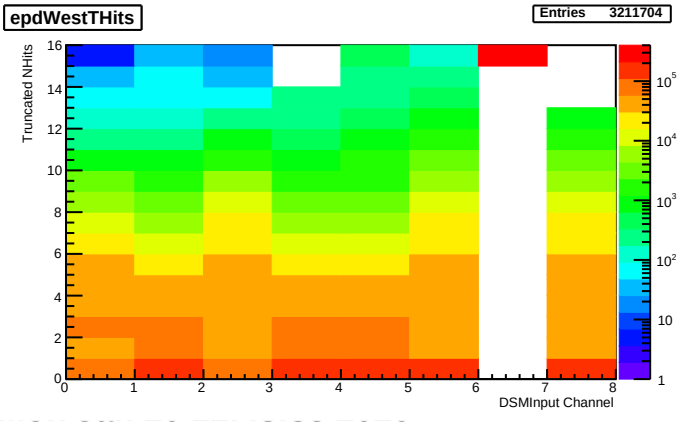
DSM Input Channel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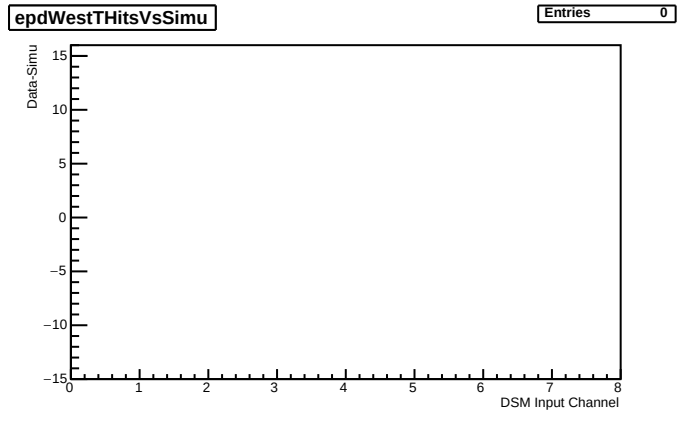
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
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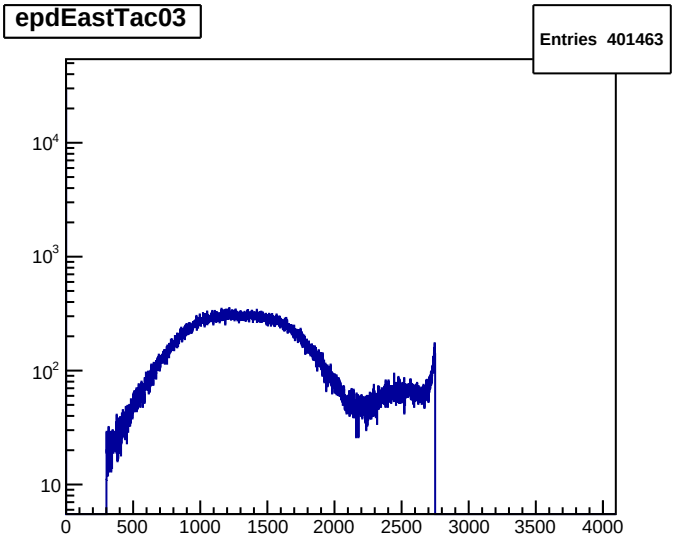
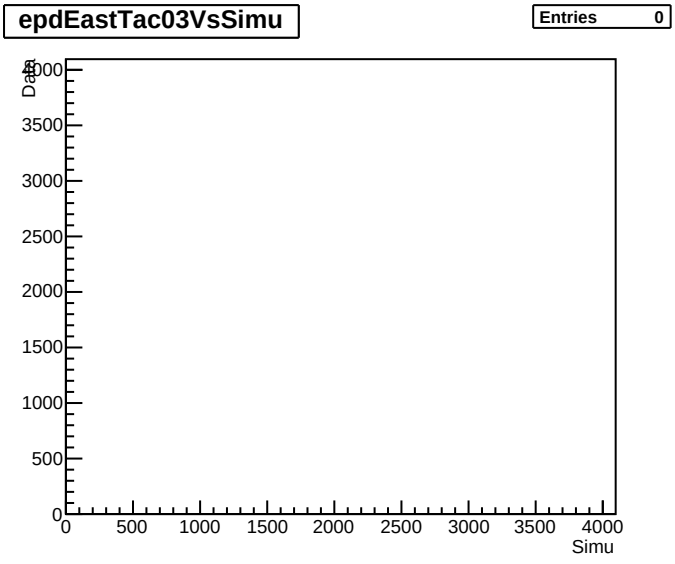
DSM Input Channel


epdEastTac03
Entries 401463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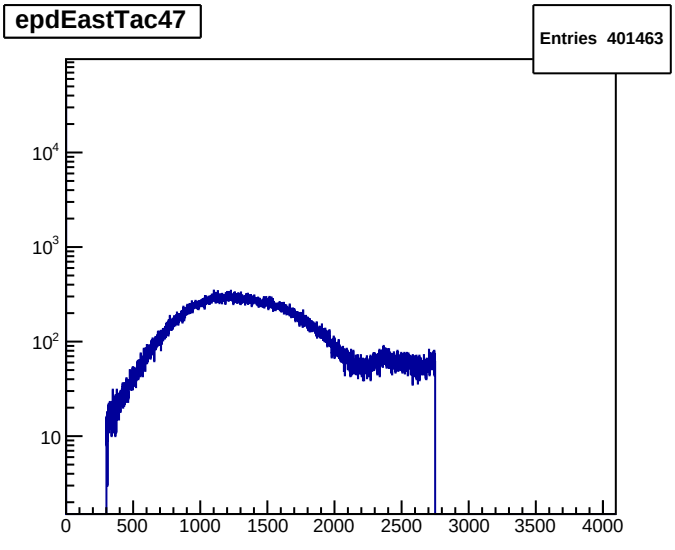
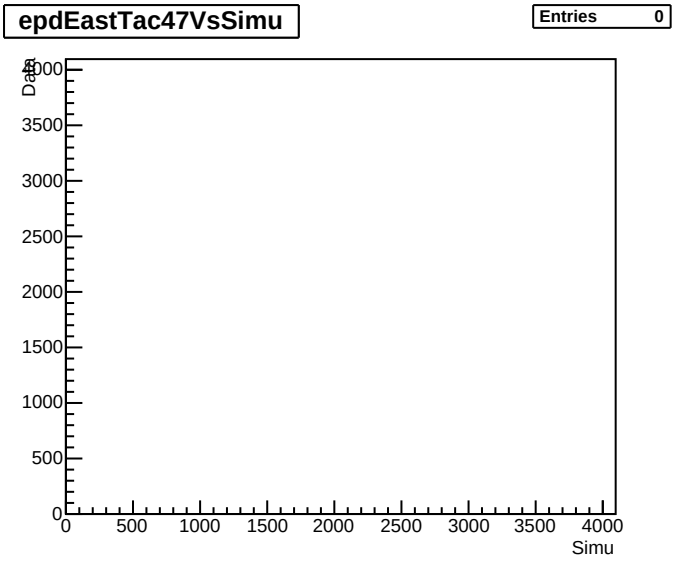
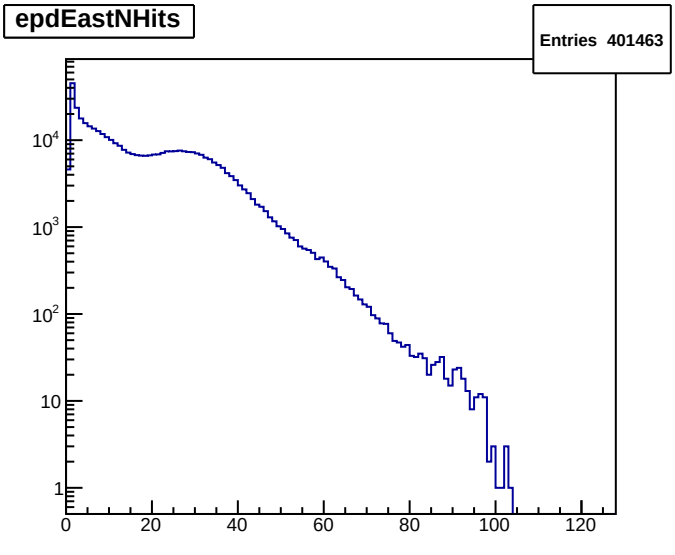
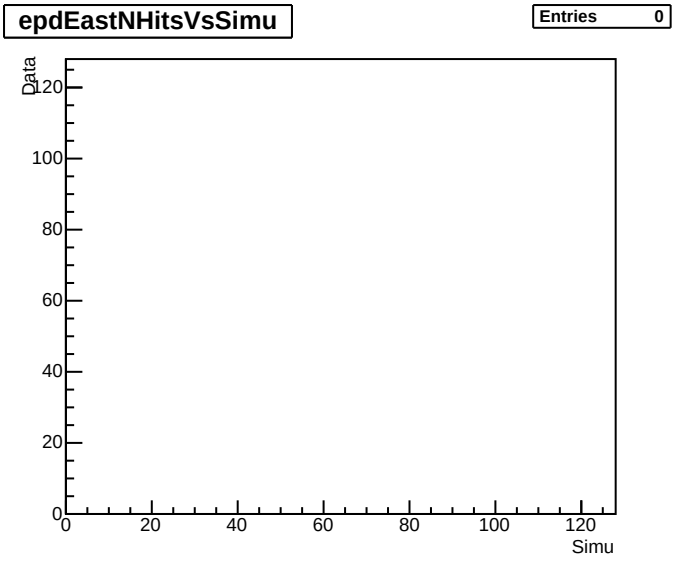
Entries 0
Data
Simu


epdEastTac47
Entries 401463


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 401463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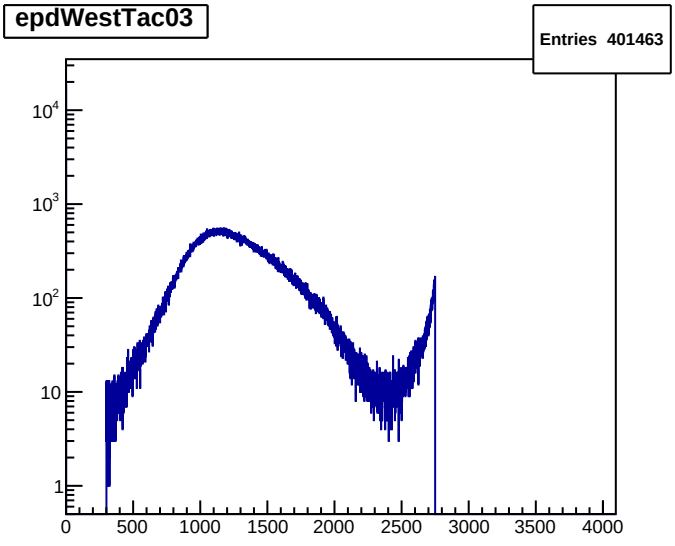
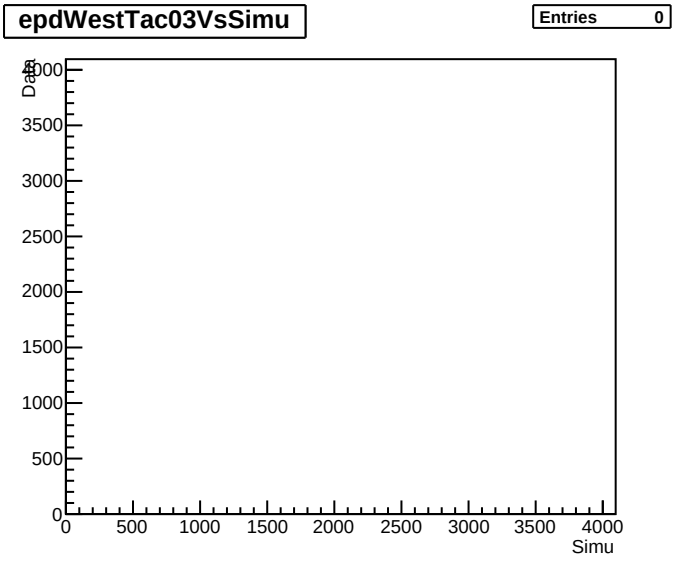
Data
Simu


epdWestTac03
Entries 401463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Entries 0
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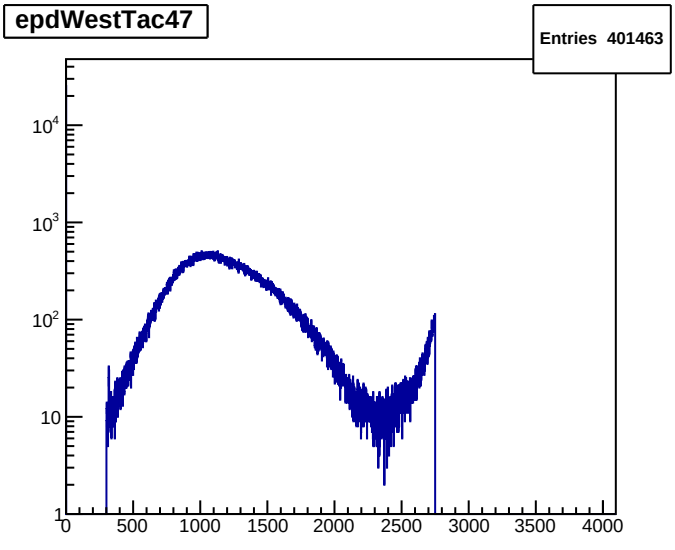
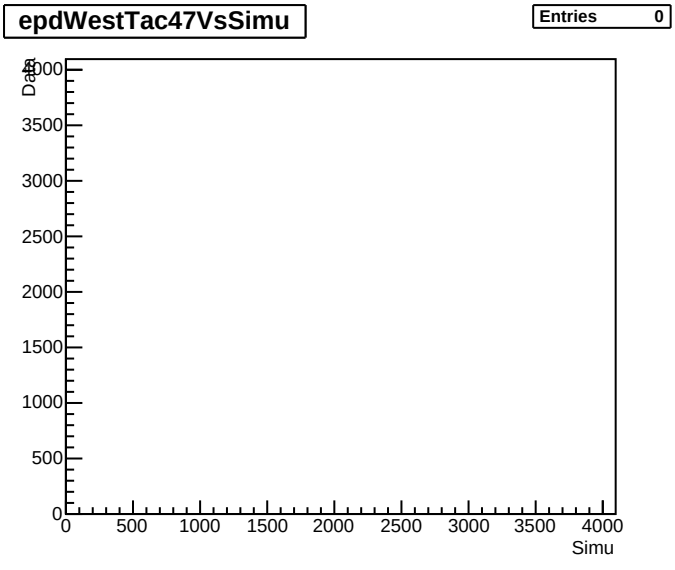
Simu


epdWestTac47
Entries 401463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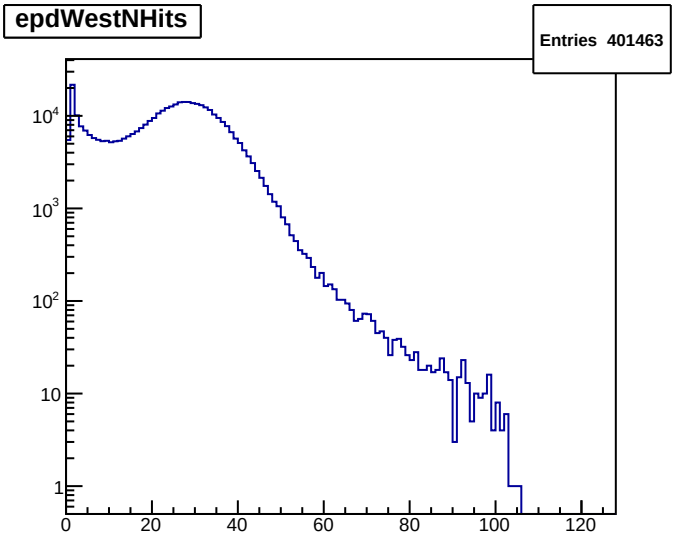
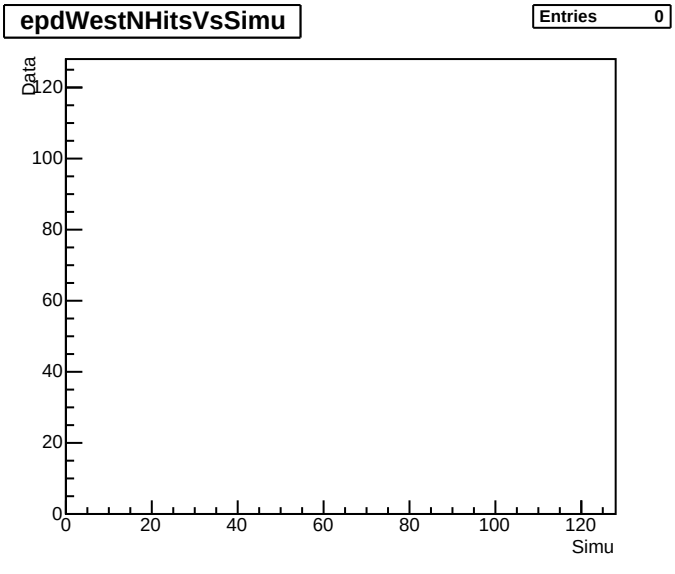
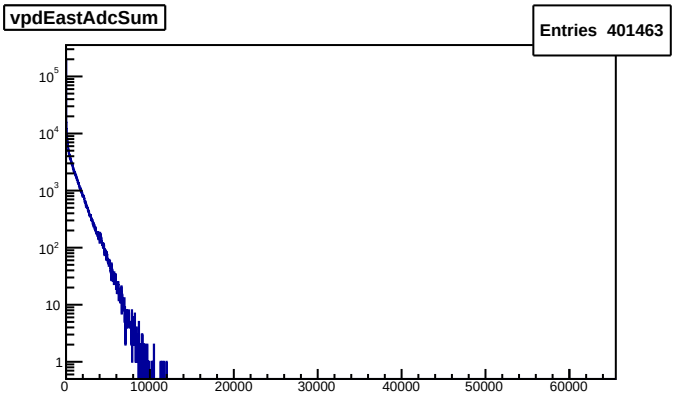
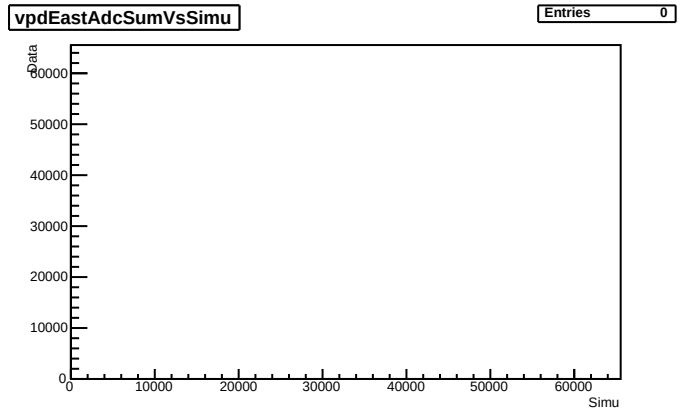
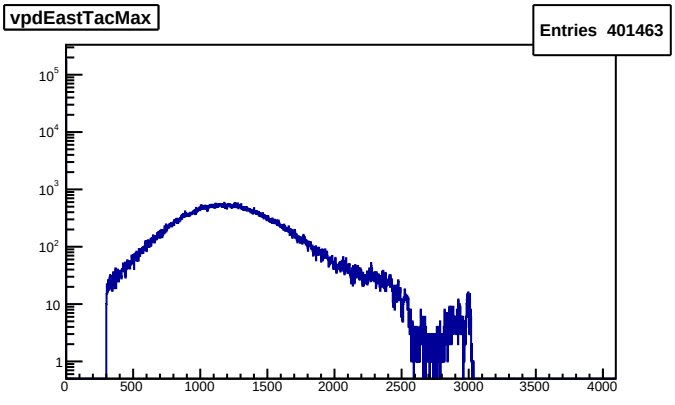
Entries 0
Data
Simu

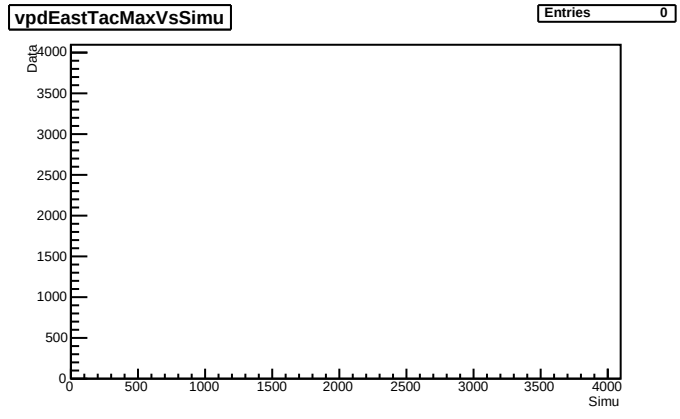

epdWestNHits
Entries 401463

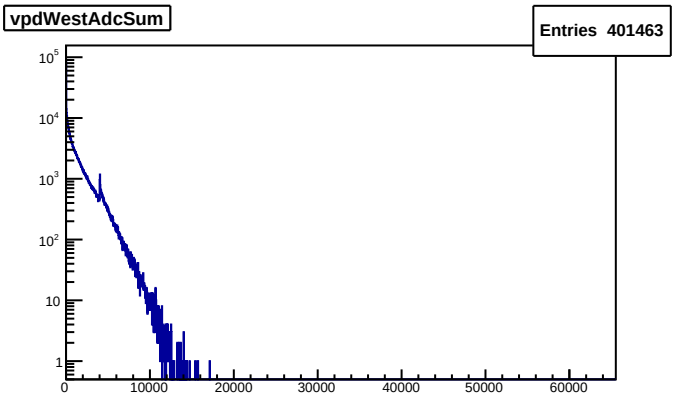

epdWestNHitsVsSimu
Entries 0
Data
Simu

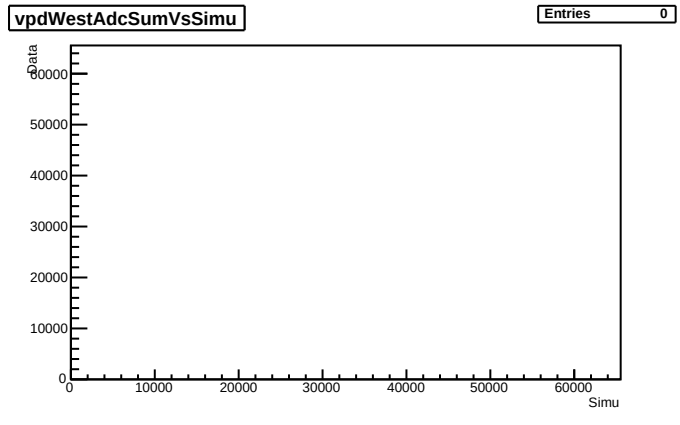

vpdEastAdcSum
Entries 401463


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 401463


vpdEastTacMaxVsSimu
Entries 0
Data
Simu


vpdWestAdcSum
Entries 401463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Entries 0
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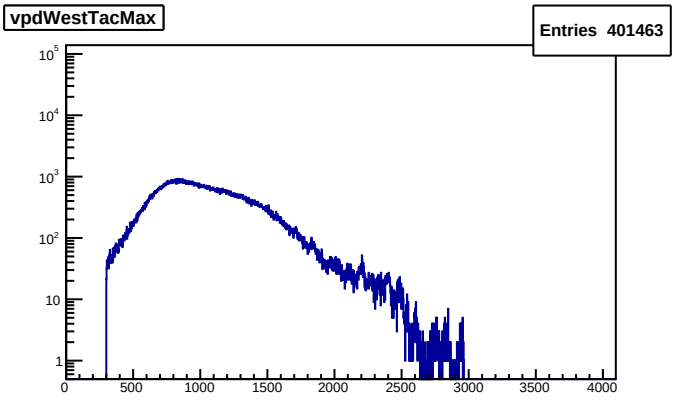
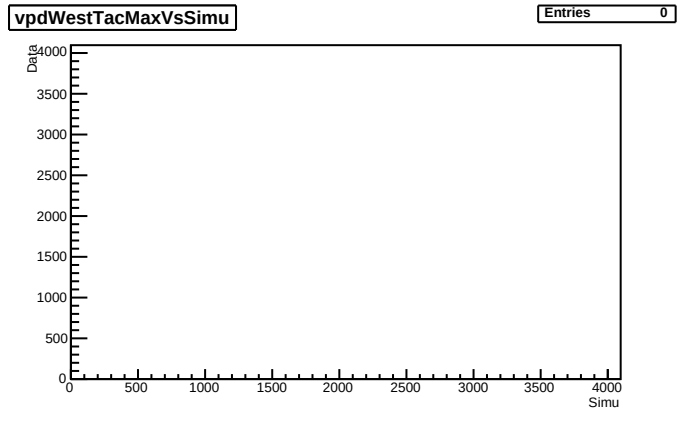
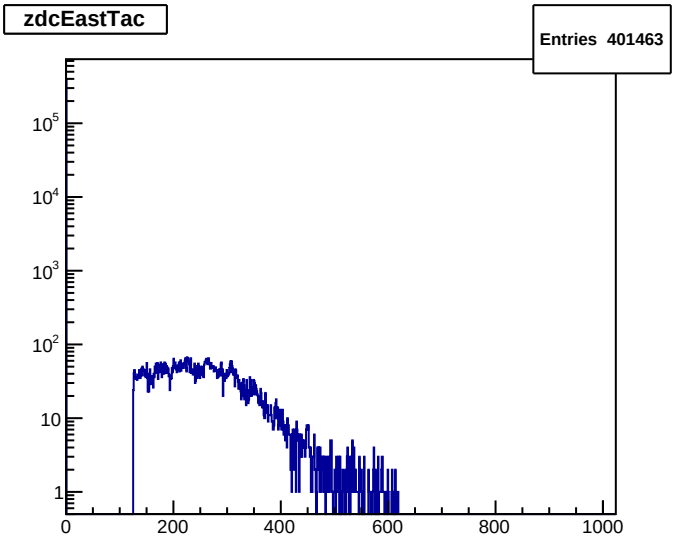
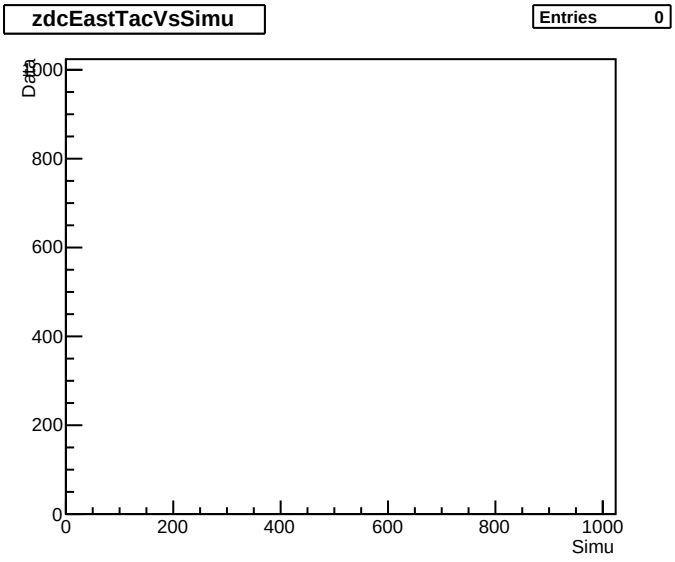
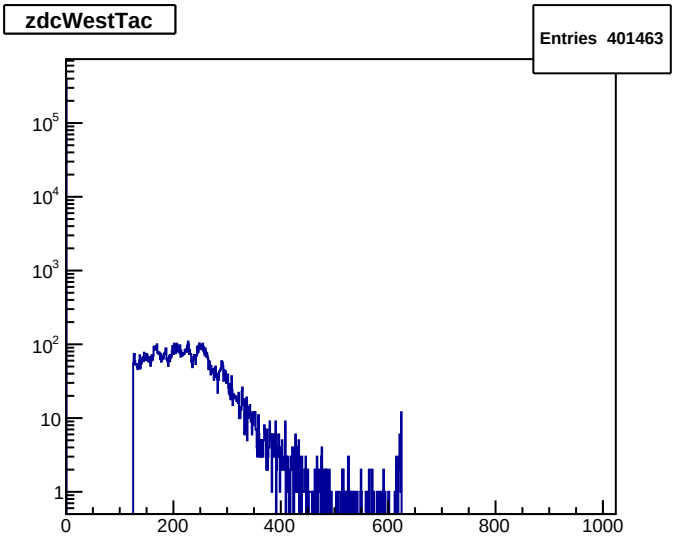
Simu

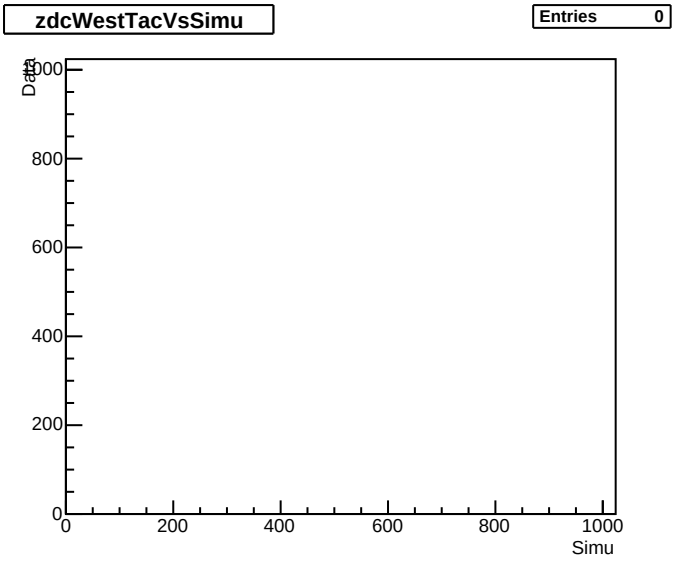

vpdWestTacMax
Entries 401463

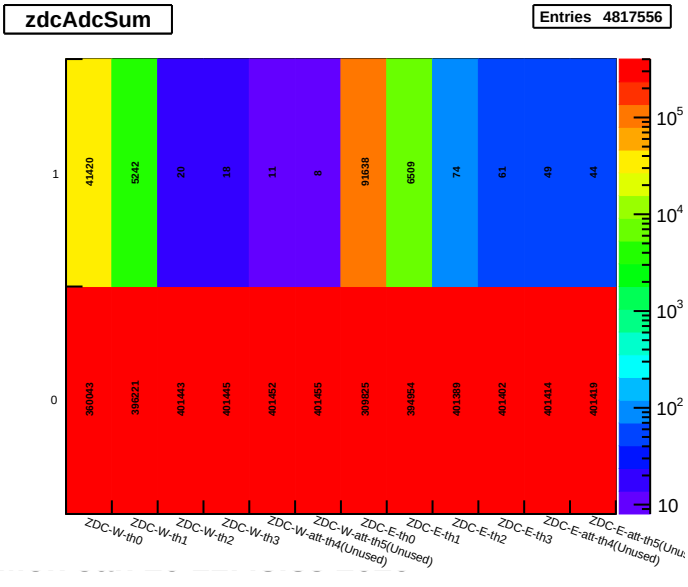

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

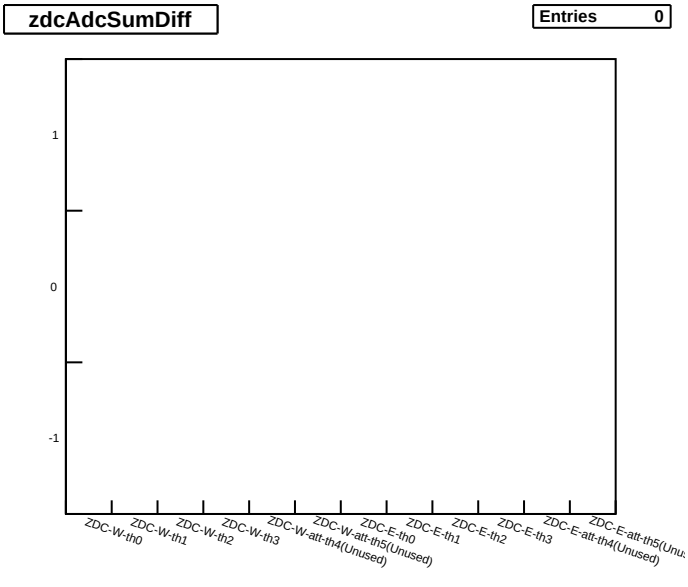

zdcEastTac
Entries 401463
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

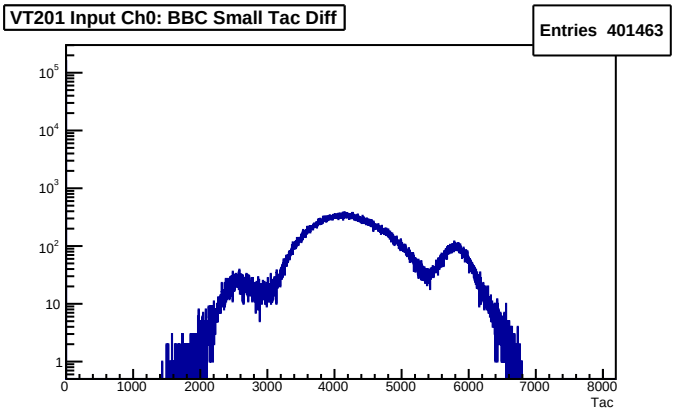

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

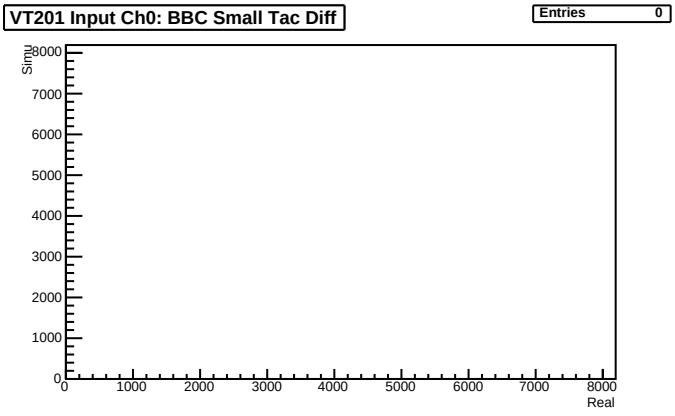

zdcWestTac
Entries 401463
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

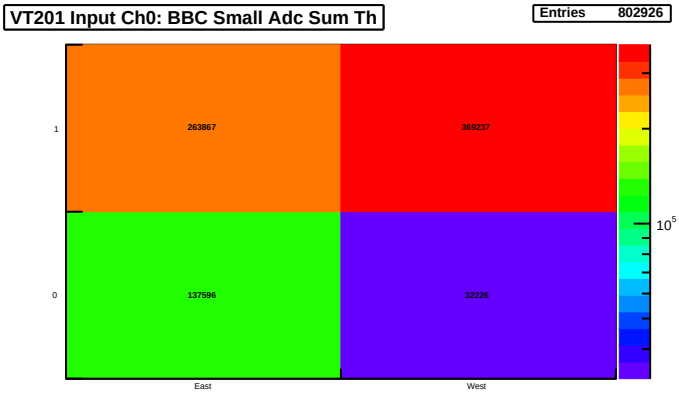

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

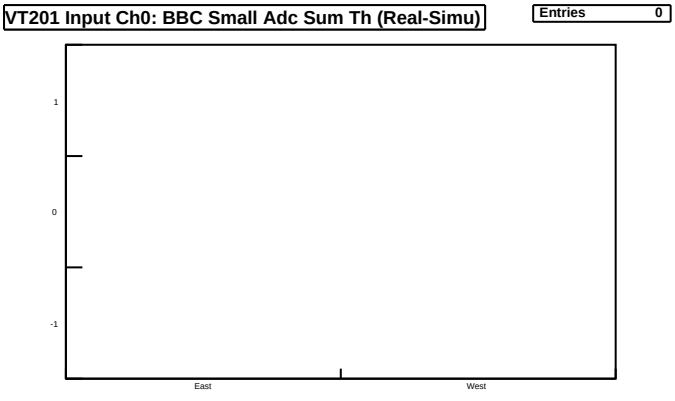

zdcAdcSum
Entries 4817556
1
0
41420
5242
20
18
11
8
91638
6509
74
61
49
44
360043
396221
401443
401445
401452
401455
309825
394654
401389
401402
401414
401419
10^5
10^4
10^3
10^2
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

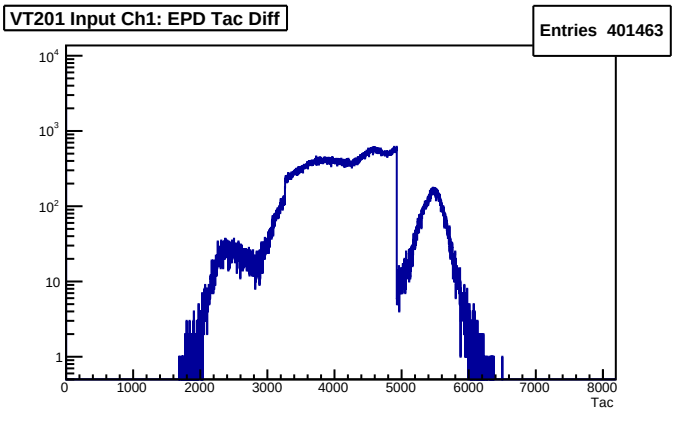

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

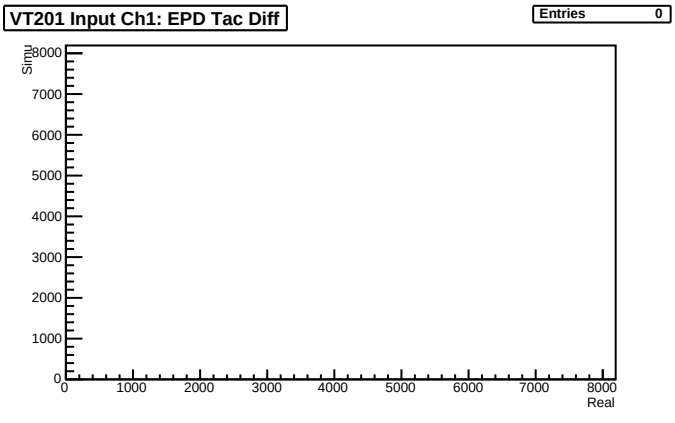

VT201 Input Ch0: BBC Small Tac Diff
Entries 401463
Tac

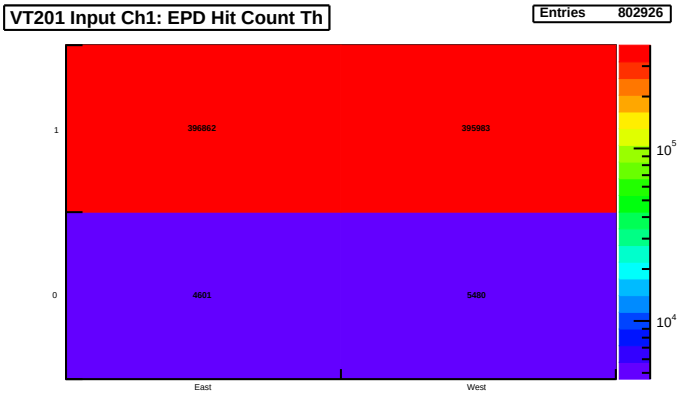

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

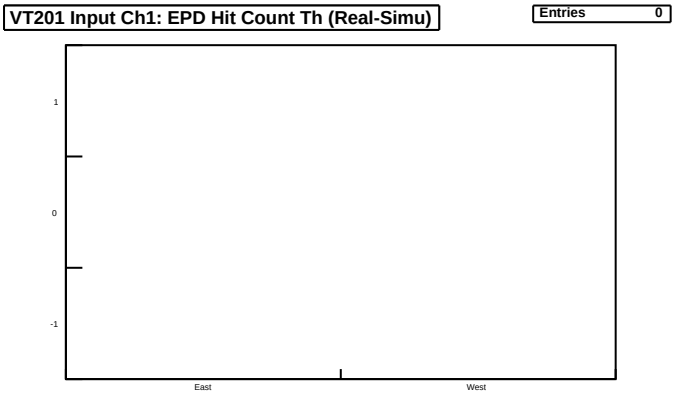

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 802926
263867
369237
137596
32226
East
West

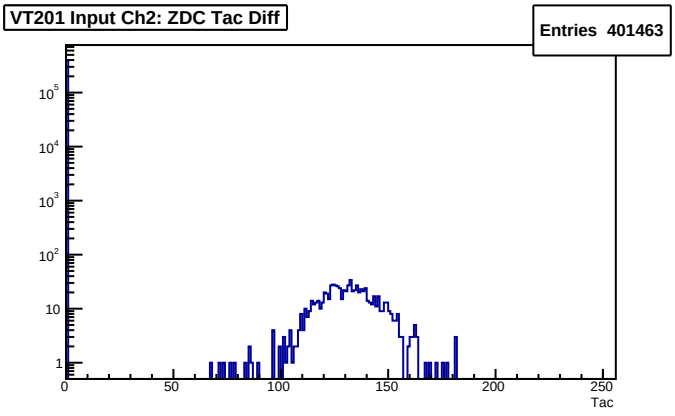

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

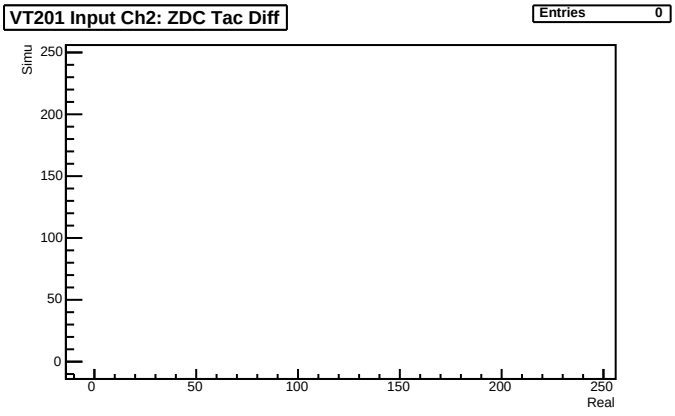

VT201 Input Ch1: EPD Tac Diff
Entries 401463
Tac

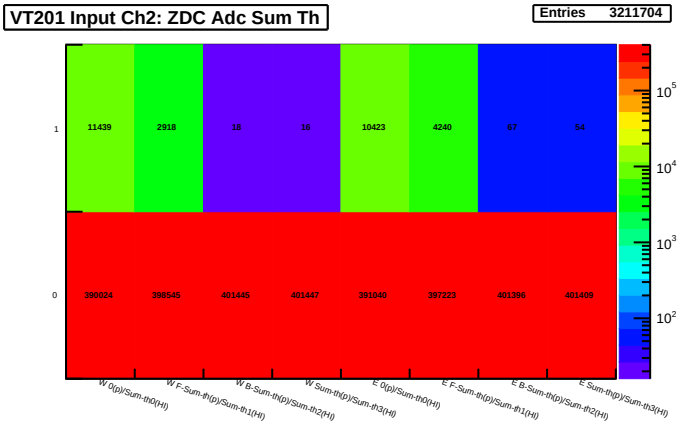

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

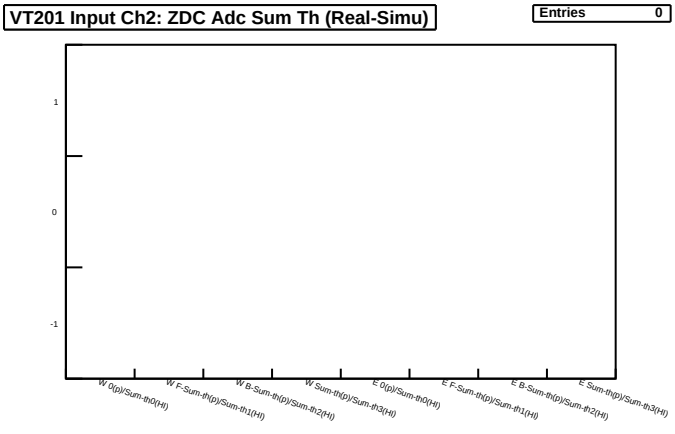

VT201 Input Ch1: EPD Hit Count Th
Entries 802926
396862
395983
4601
5480
East
West

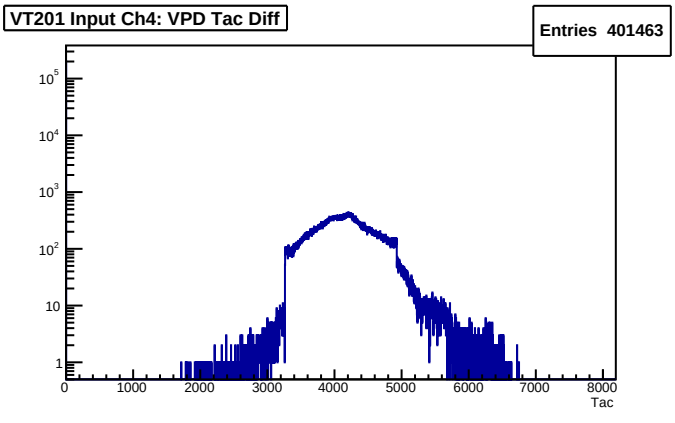

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

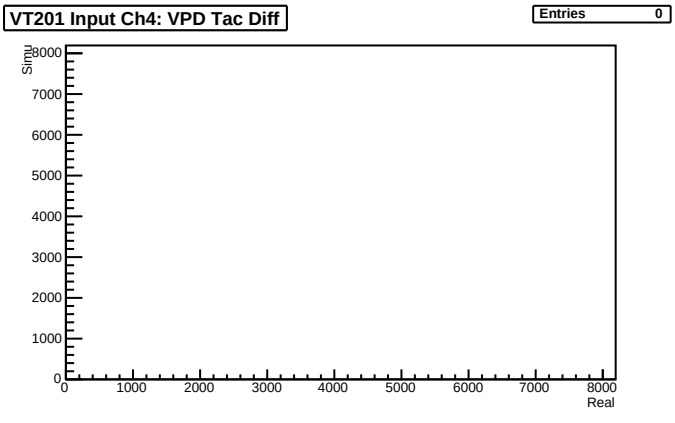

VT201 Input Ch2: ZDC Tac Diff
Entries 401463
Tac

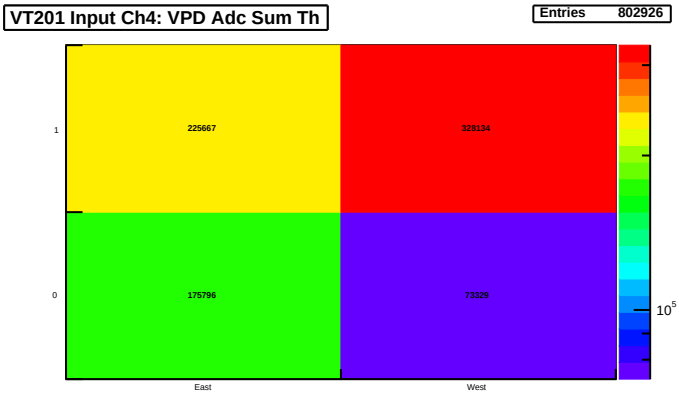

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

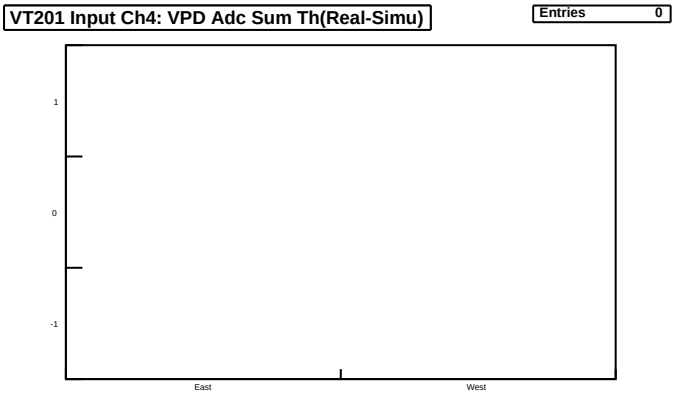

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3211704
11439
2918
18
16
10423
4240
67
54
390024
398545
401445
401447
391040
397223
401396
401409
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

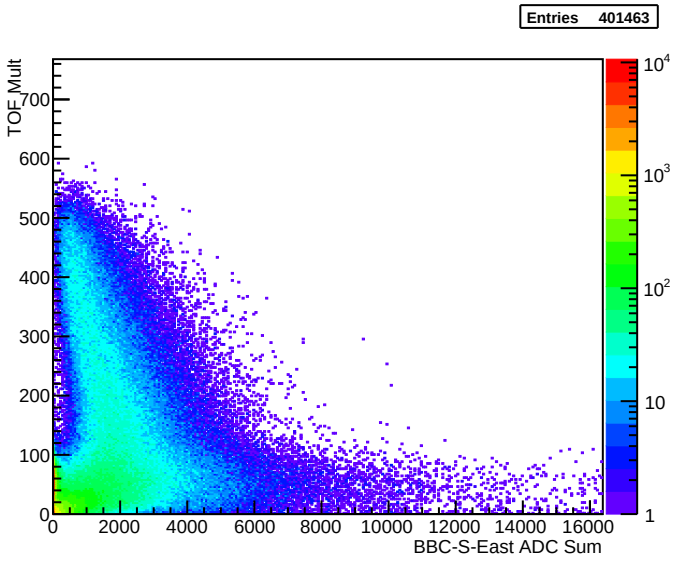

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

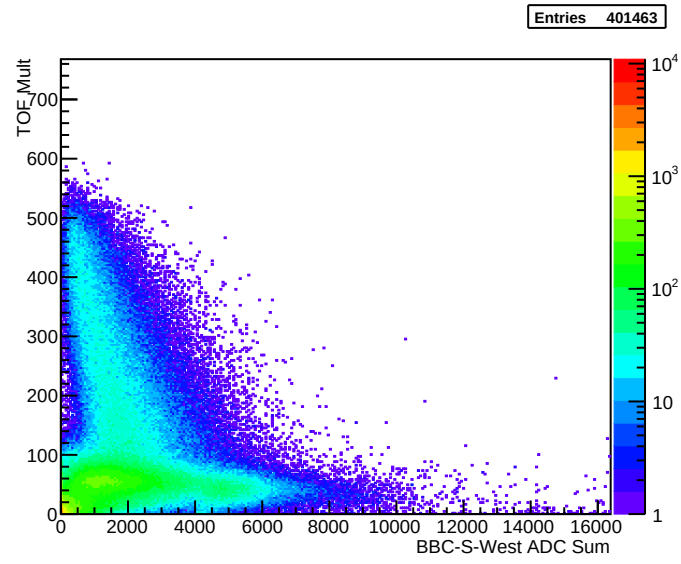

VT201 Input Ch4: VPD Tac Diff
Entries 401463
Tac

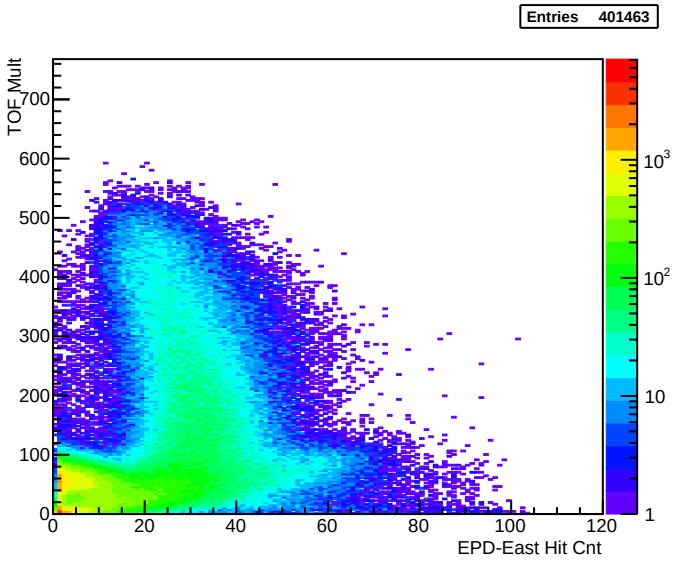

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

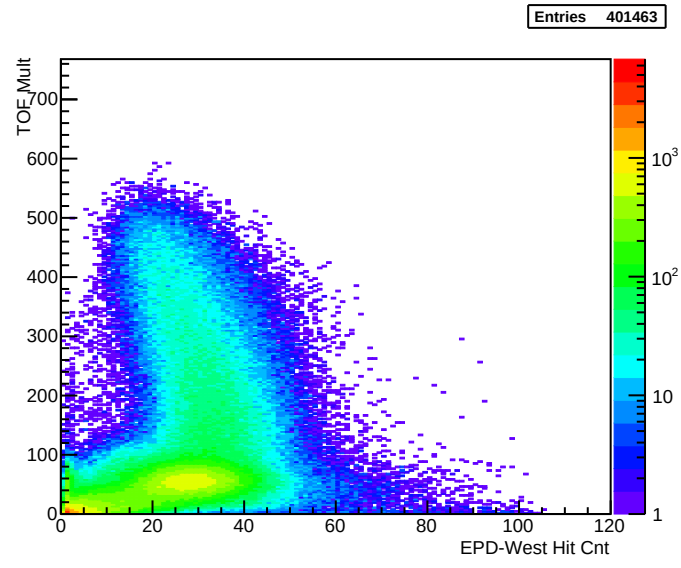

VT201 Input Ch4: VPD Adc Sum Th
Entries 802926
225667
328134
175796
73329
East
West

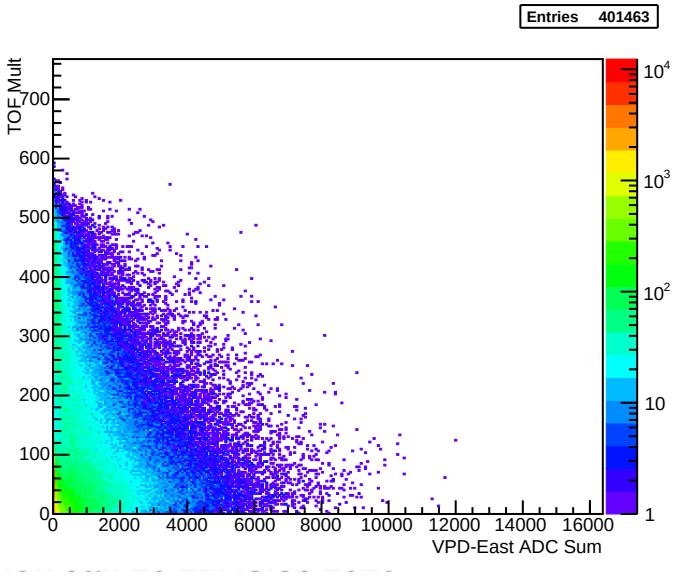

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

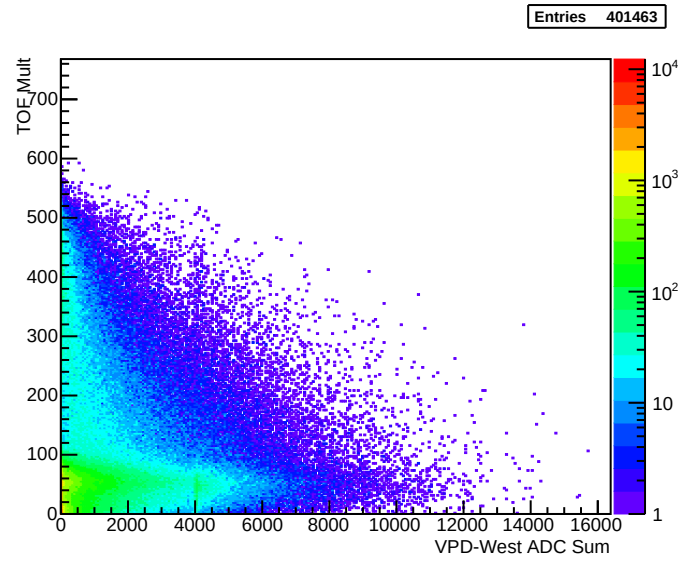

Entries 401463
TOF_Mult
BBC-S-East ADC Sum

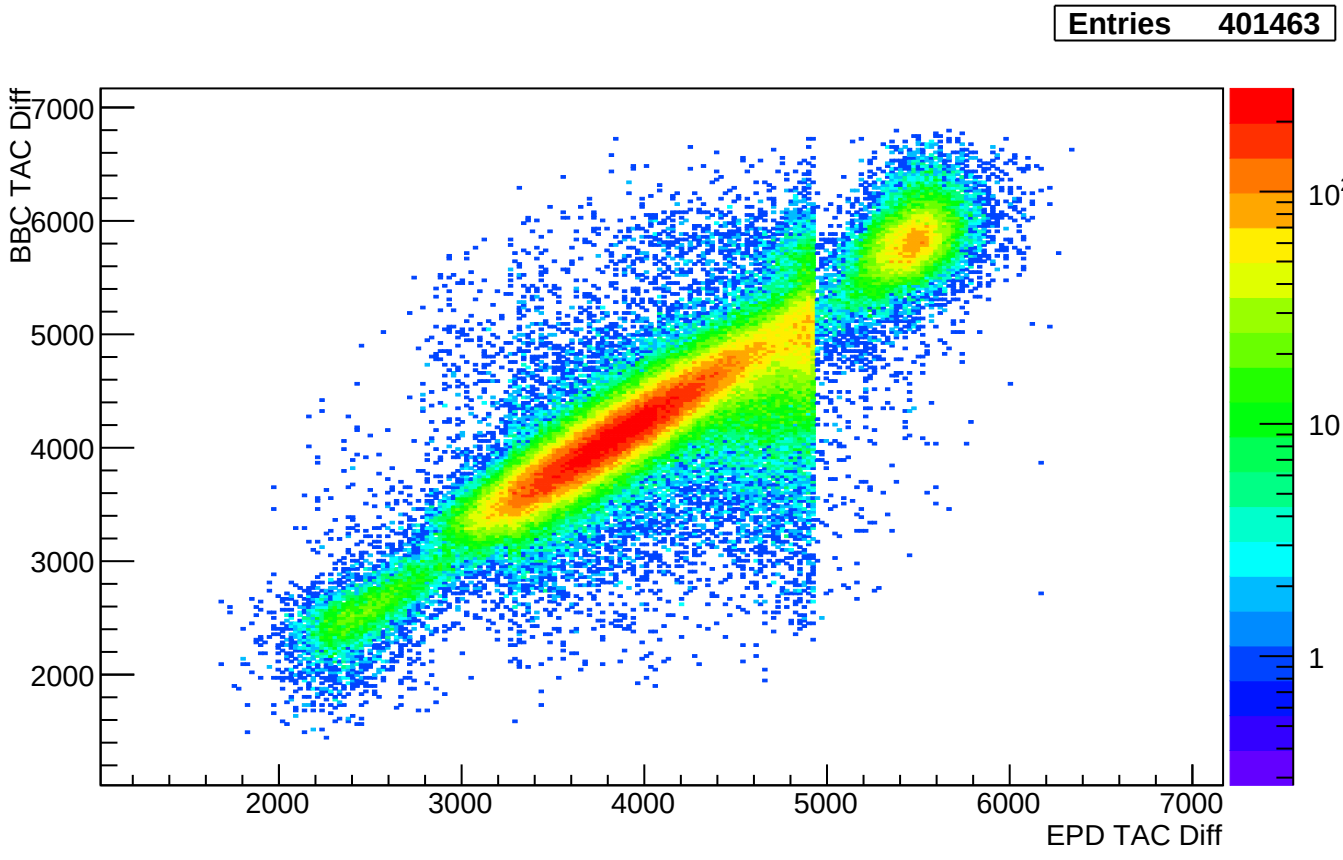

Entries 401463
TOF_Mult
BBC-S-West ADC Sum

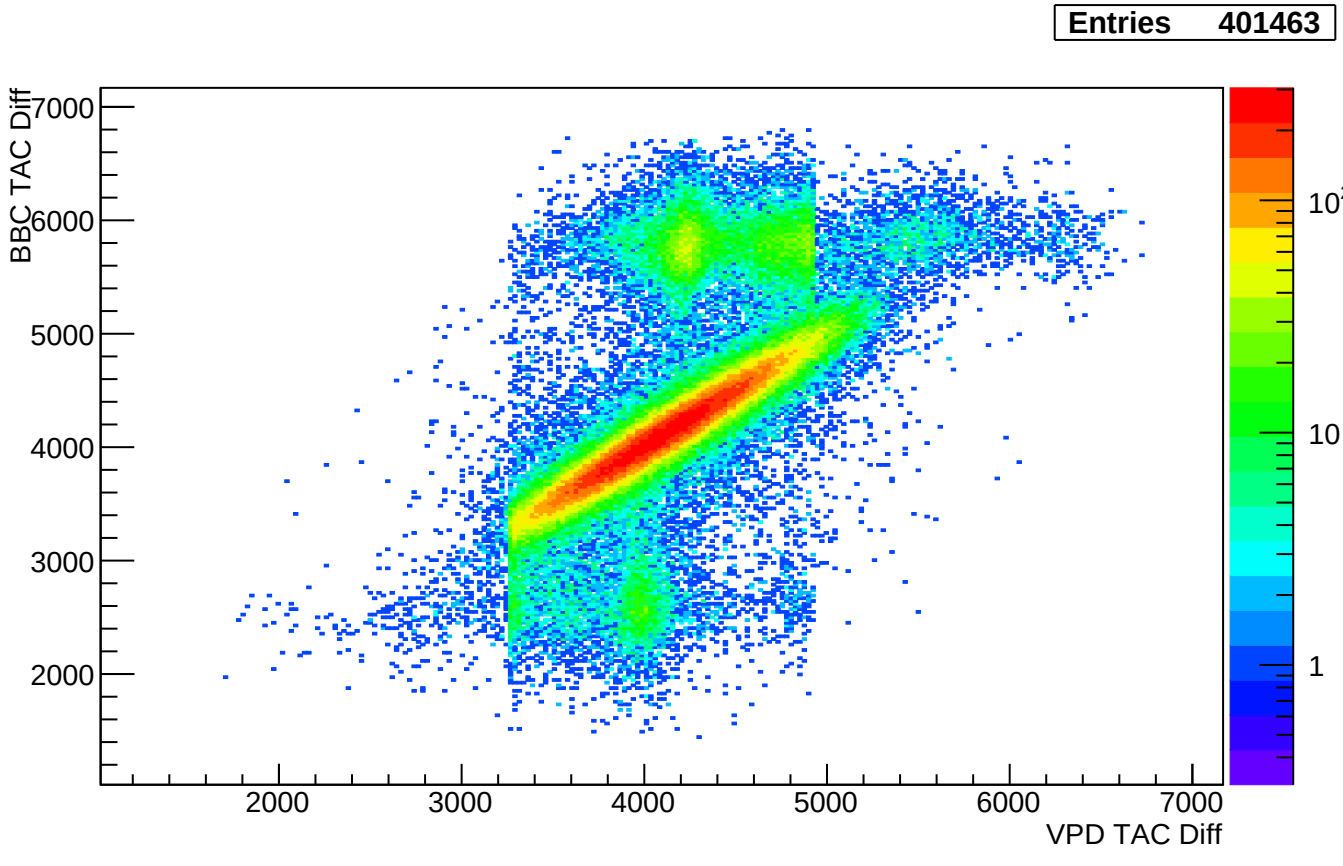

Entries 401463
TOF_Mult
EPD-East Hit Cnt

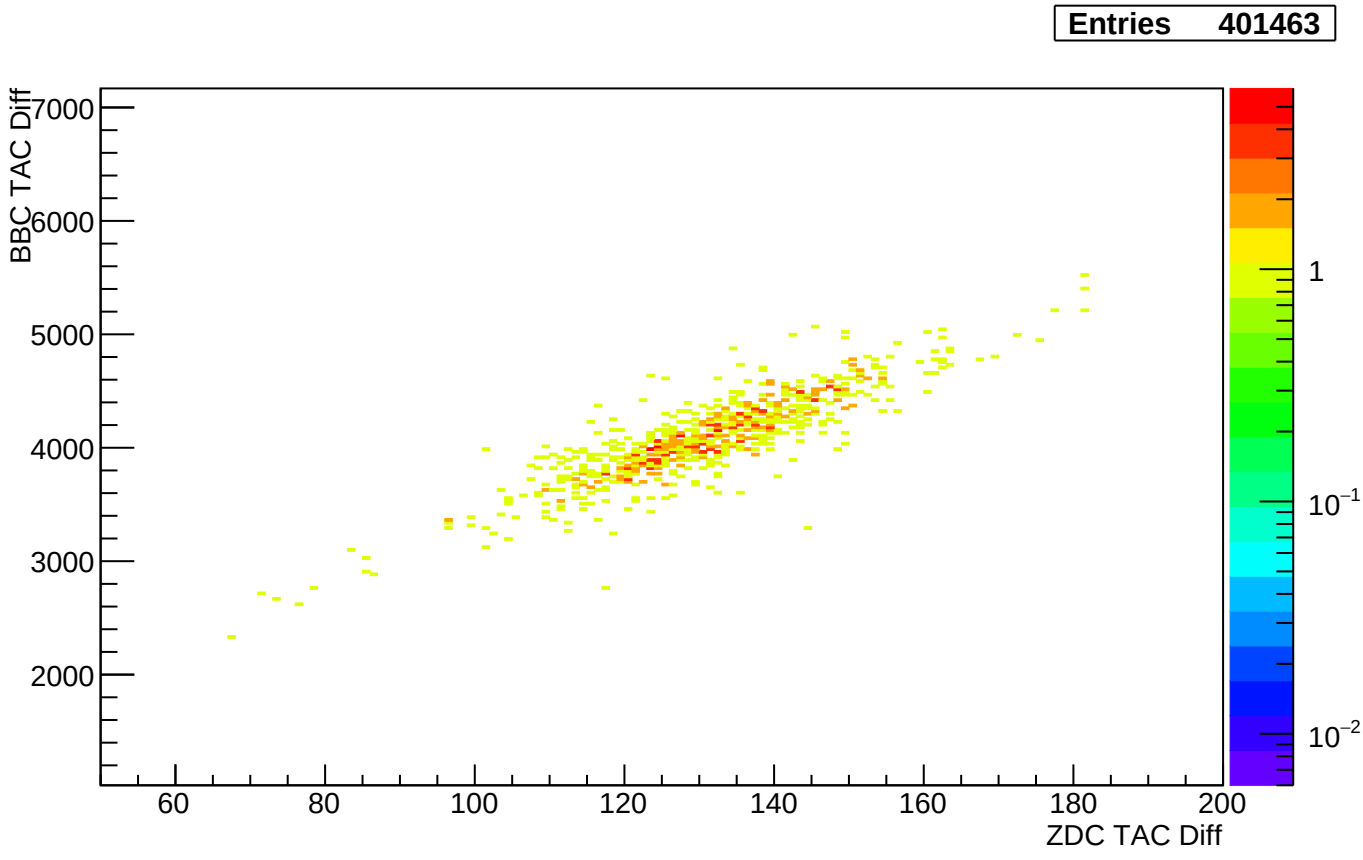

Entries 401463
TOF_Mult
EPD-West Hit Cnt

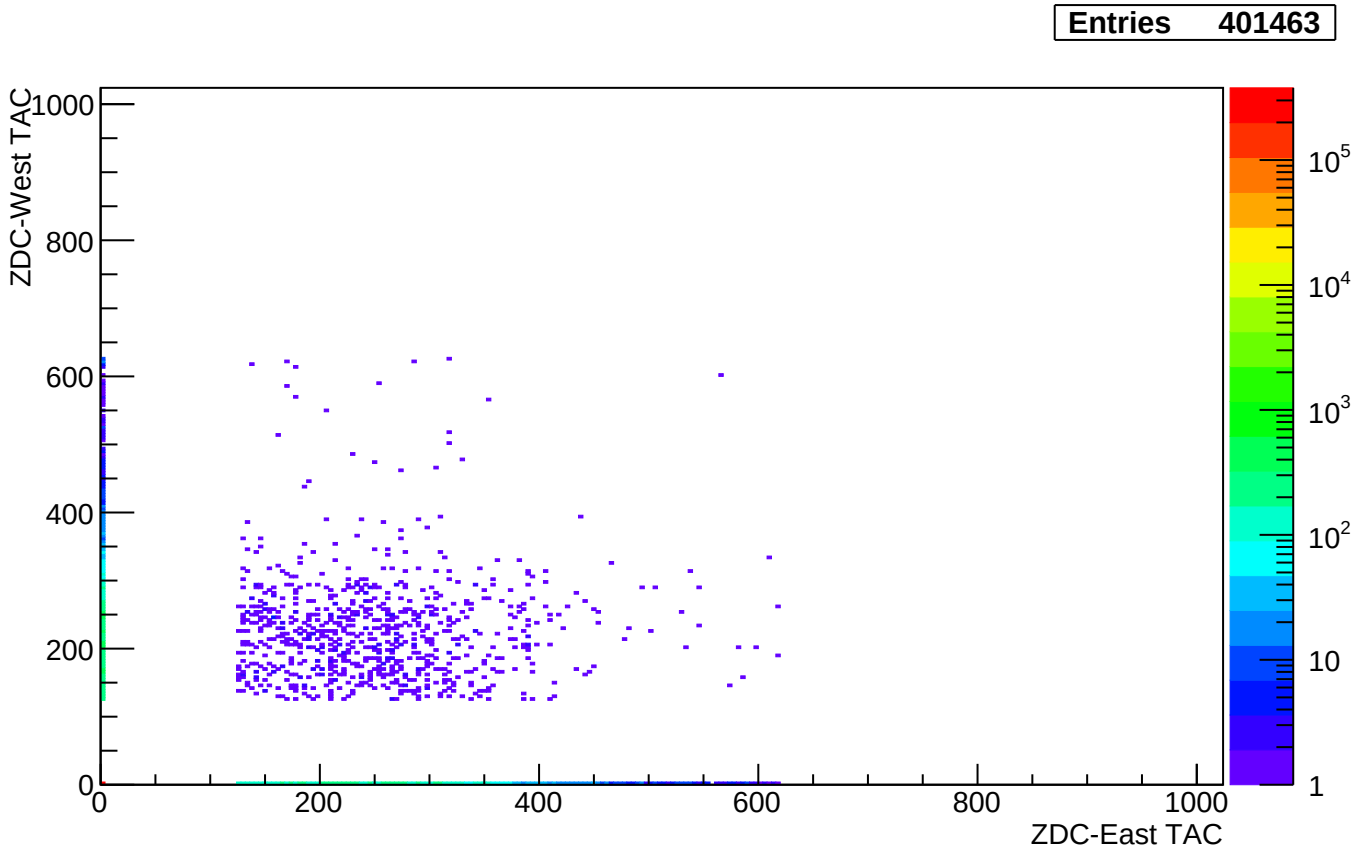

Entries 401463
TOF_Mult
VPD-East ADC Sum

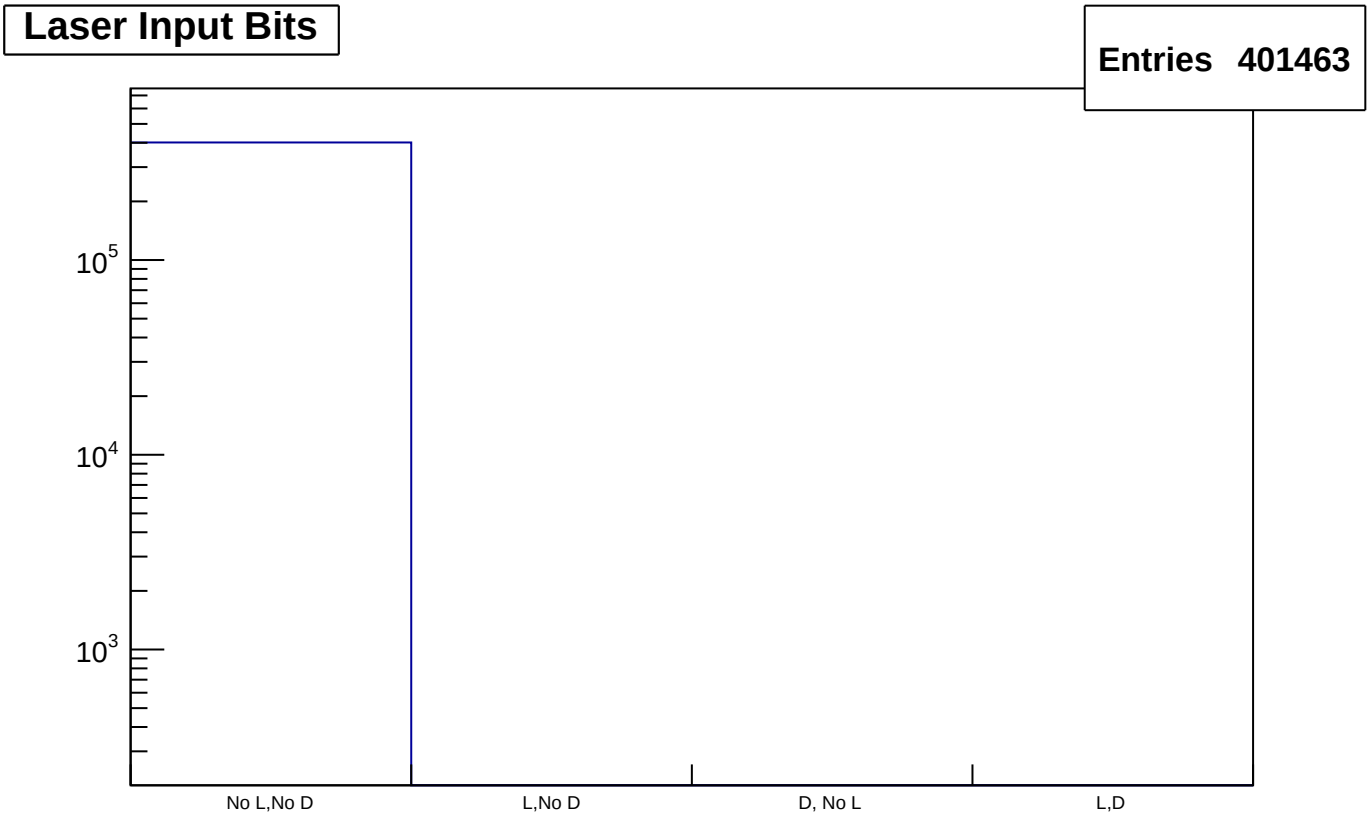

Entries 401463
TOF_Mult
VPD-West ADC Sum

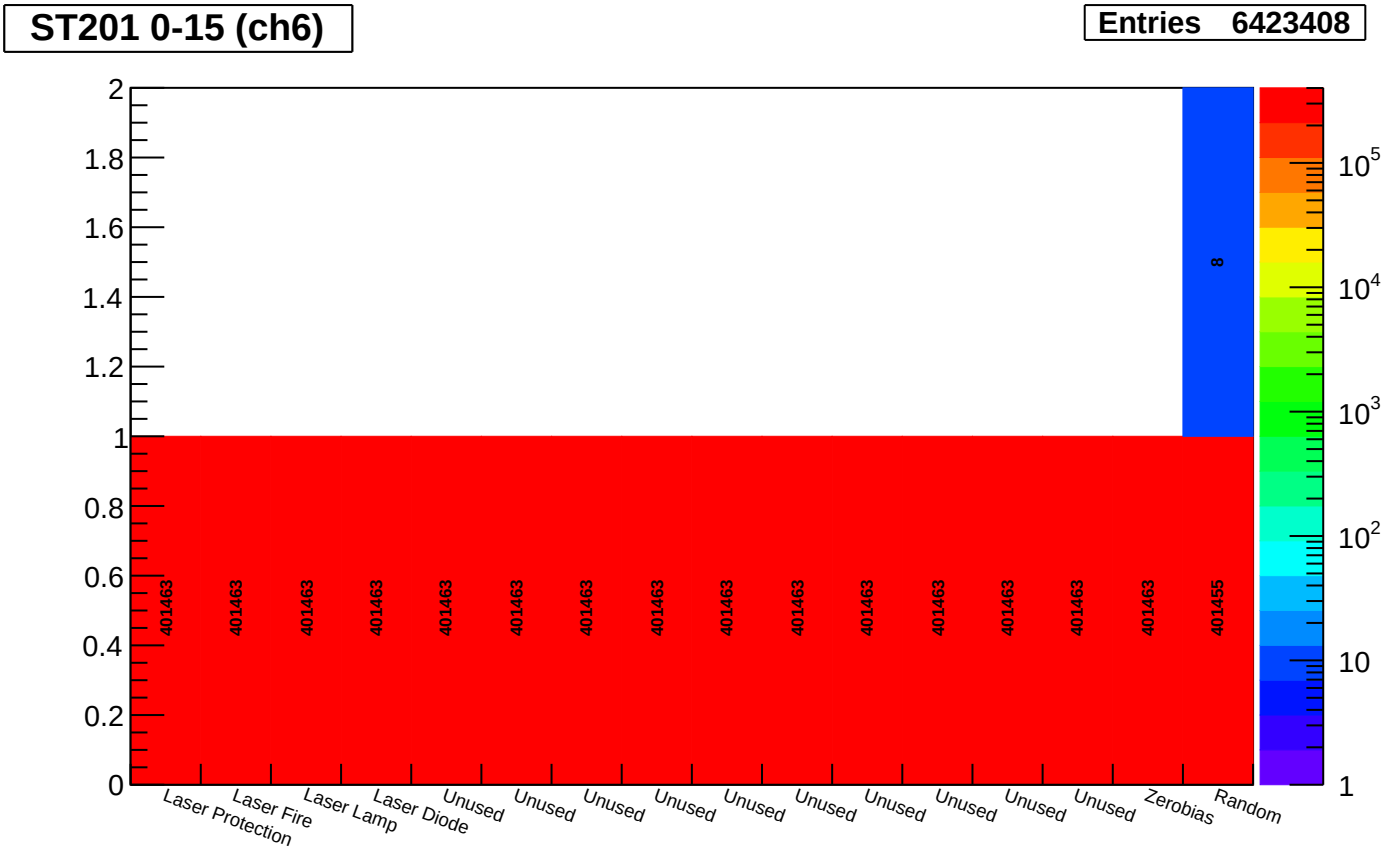

Entries 401463
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

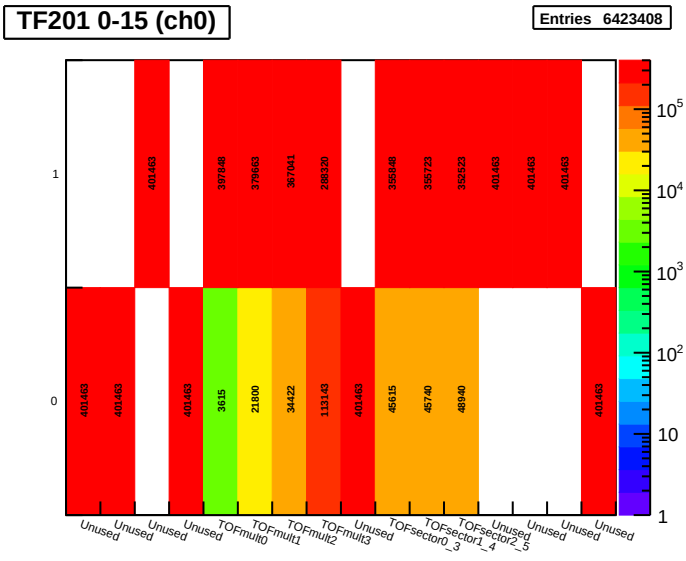

Entries 401463
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

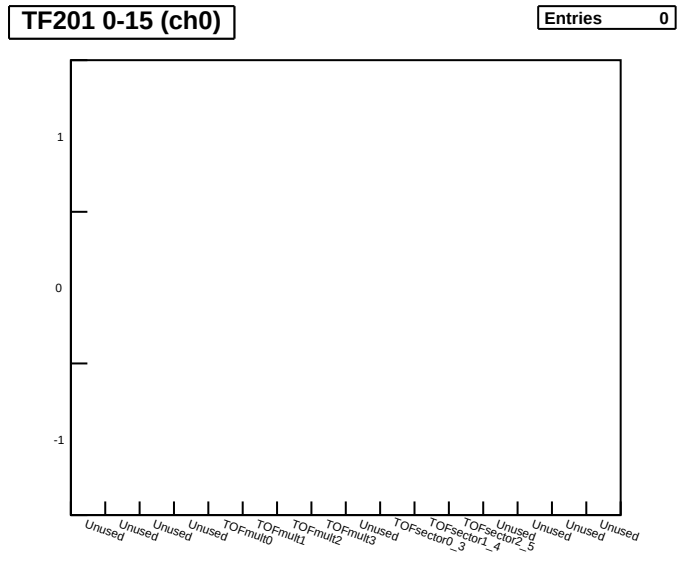

Entries 401463
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

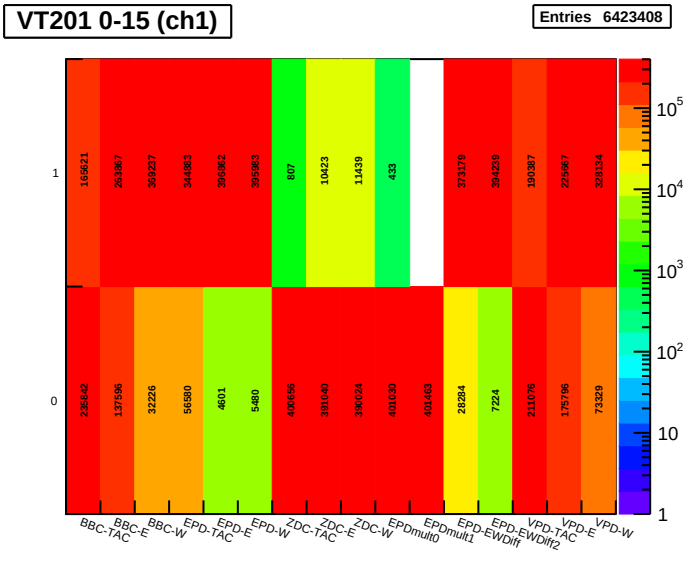

Entries 401463
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

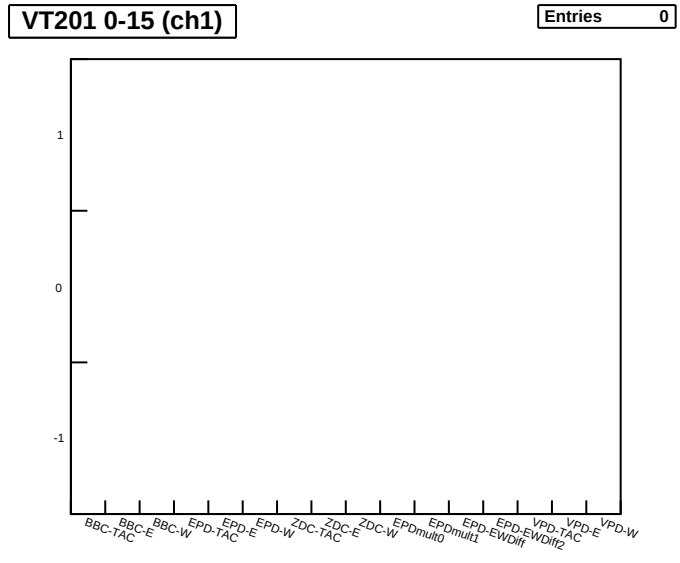

Laser Input Bits
Entries 401463
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

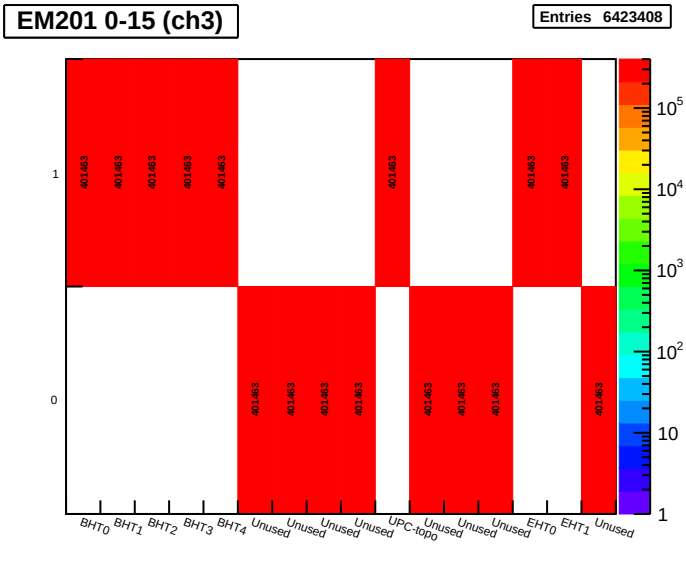

ST201 0-15 (ch6)
Entries 6423408
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
401463
401455
8
10^5
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

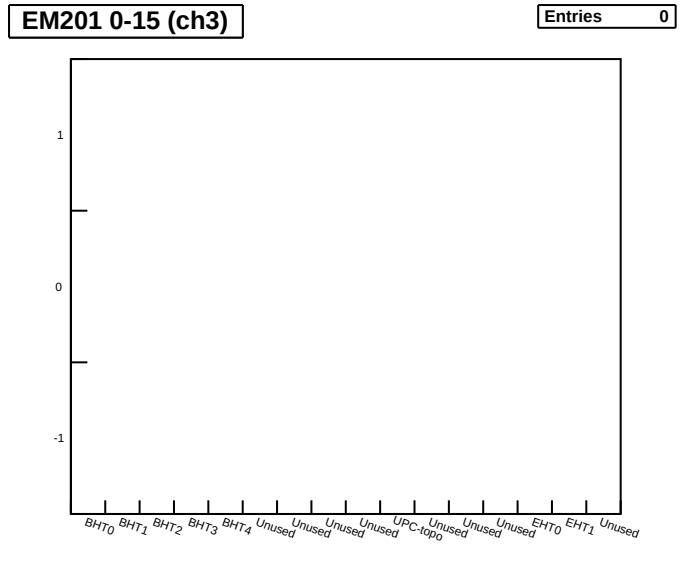

TF201 0-15 (ch0)
Entries 6423408
401463 397848 379663 367041 288320 355848 355723 352523 401463 401463 401463
401463 401463 401463 3615 21800 34422 113143 401463 45615 45740 48940 401463
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused


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


VT201 0-15 (ch1)
Entries 6423408
165621 263867 369237 344883 396862 395983 807 10423 11439 433 373179 394239 190387 225667 328134
235842 137596 32226 56580 4601 5480 400656 391040 390024 401030 401463 28284 7224 211076 175796 73329
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


VT201 0-15 (ch1)
Entries 0
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 6423408
401463 401463 401463 401463 401463 401463 401463 401463
401463 401463 401463 401463 401463 401463 401463 401463
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused


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