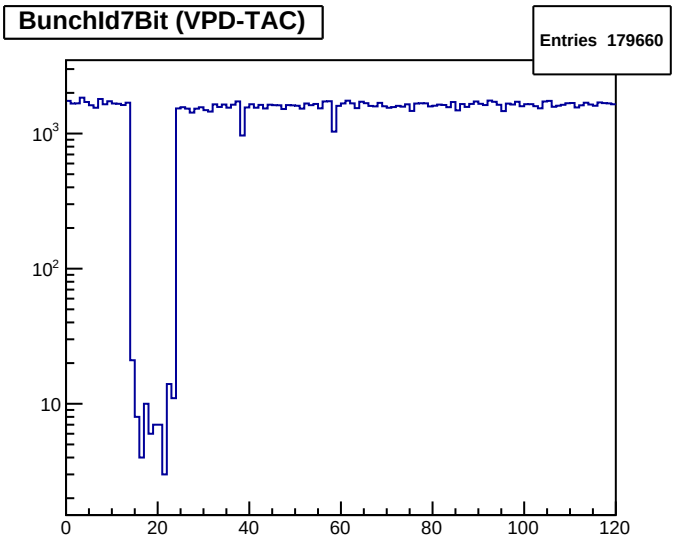
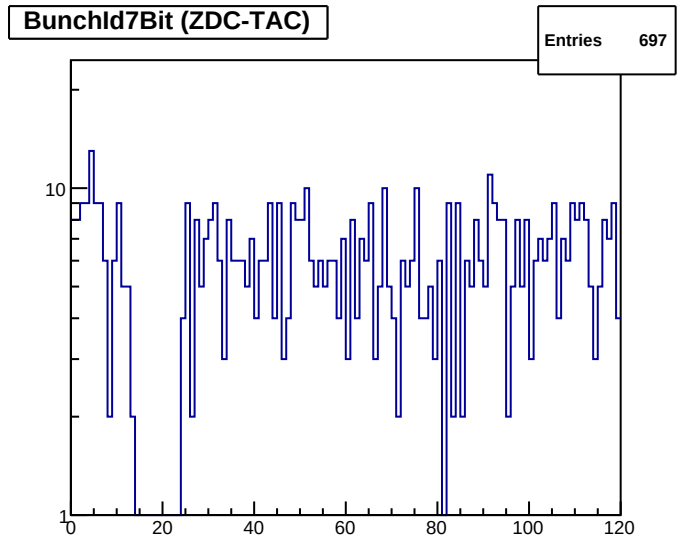
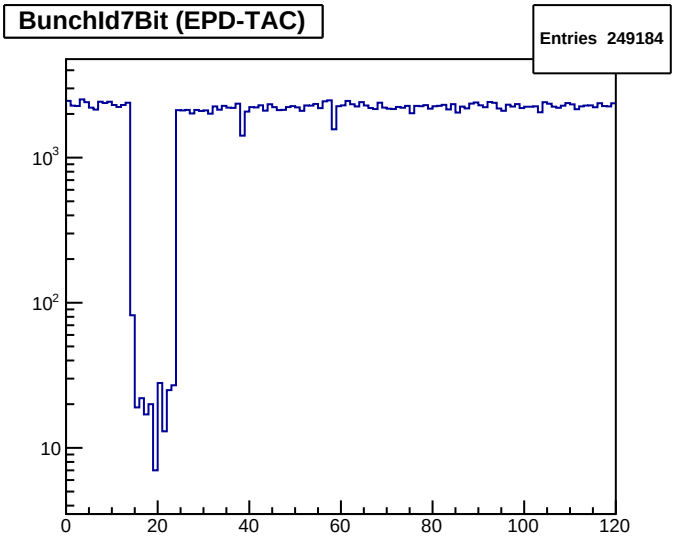
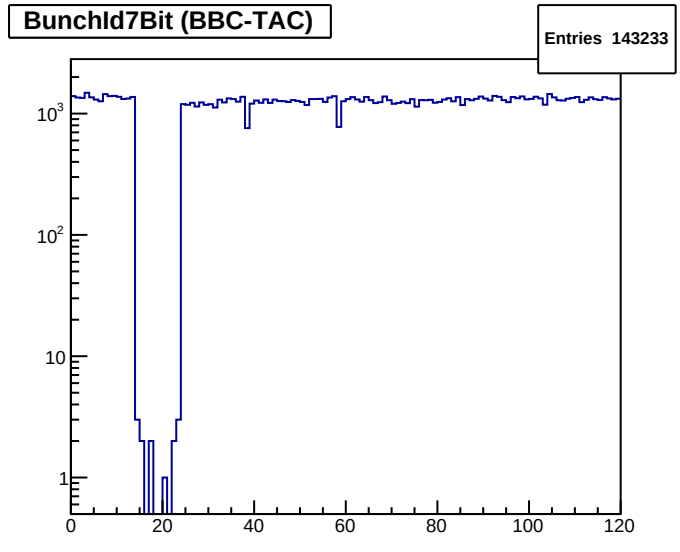
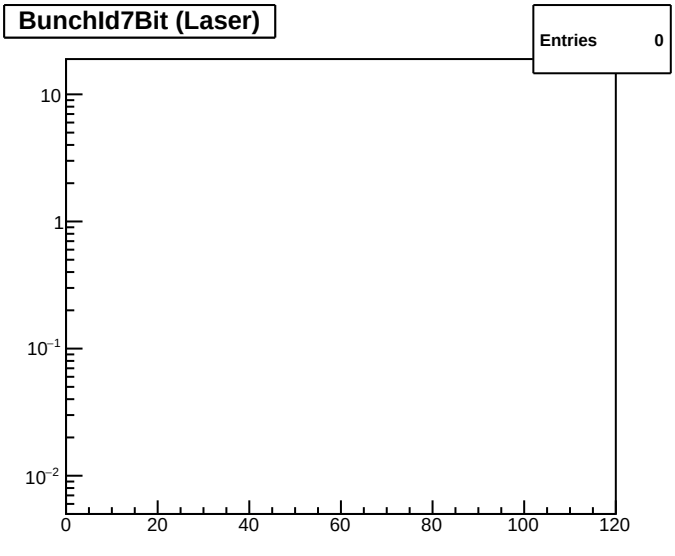
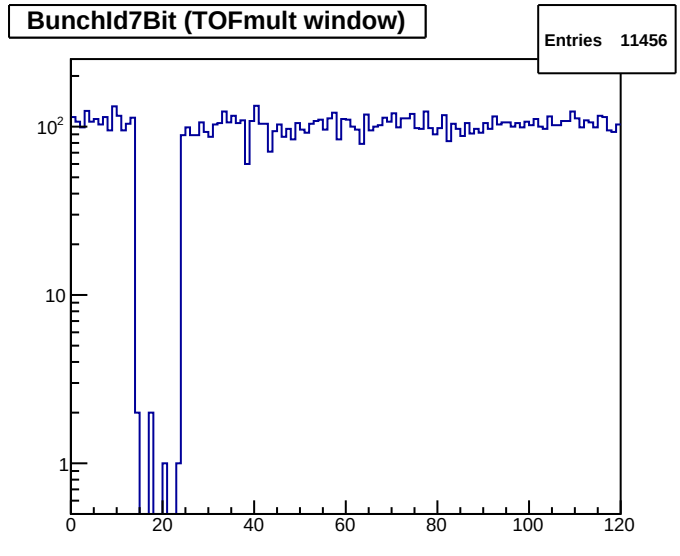

BunchId7Bit (VPD-TAC)
Entries 179660
10^3
10^2
10
0 20 40 60 80 100 120

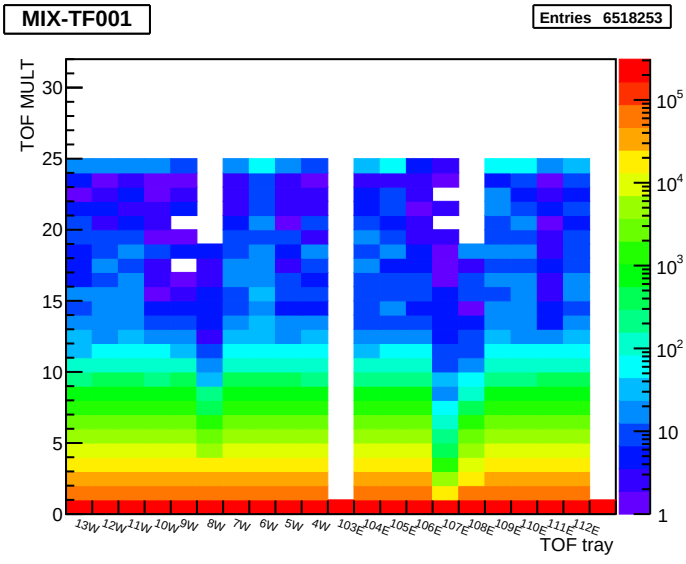

BunchId7Bit (ZDC-TAC)
Entries 697
10
1
0 20 40 60 80 100 120

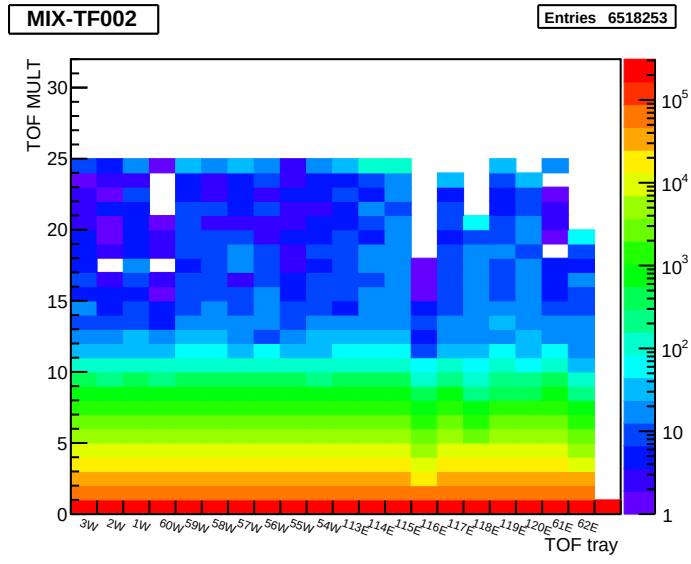

BunchId7Bit (EPD-TAC)
Entries 249184
10^3
10^2
10
0 20 40 60 80 100 120

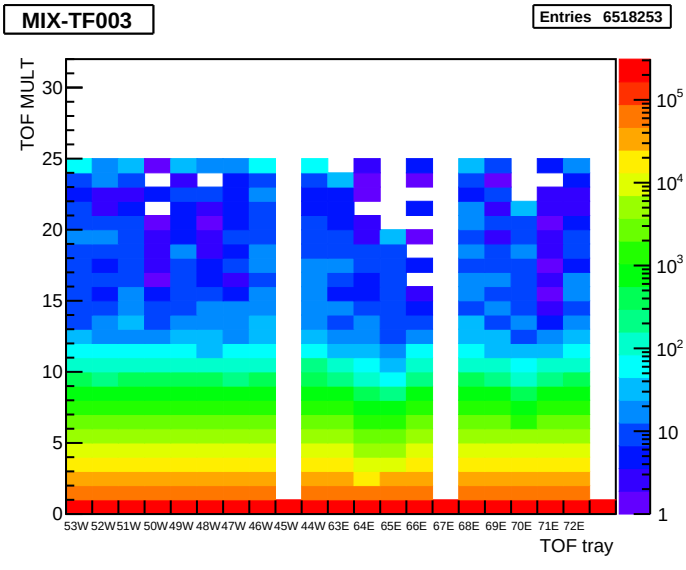

BunchId7Bit (BBC-TAC)
Entries 143233
10^3
10^2
10
1
0 20 40 60 80 100 120

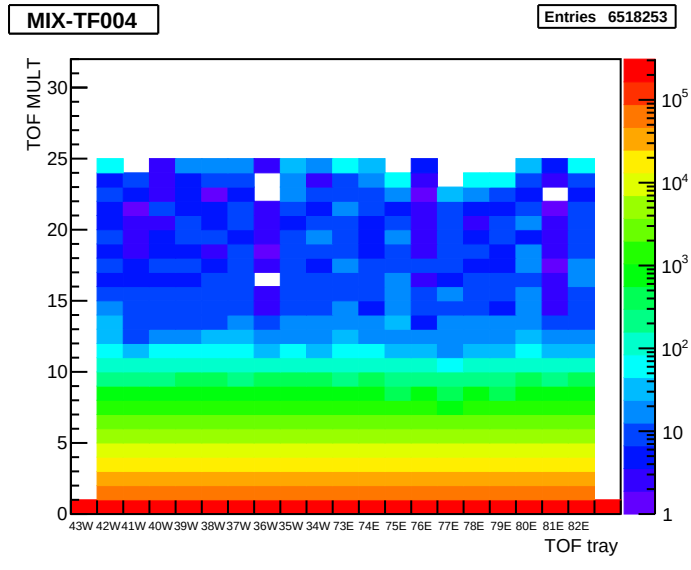

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

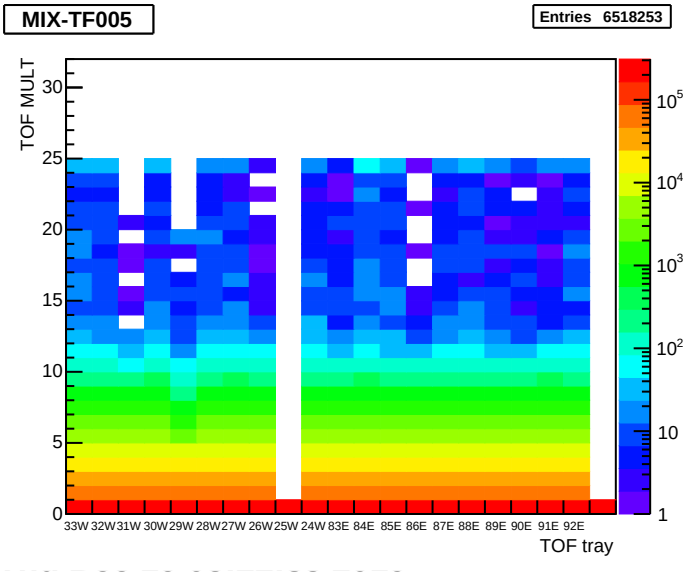

BunchId7Bit (TOFmult window)
Entries 11456
10^2
10
1
0 20 40 60 80 100 120

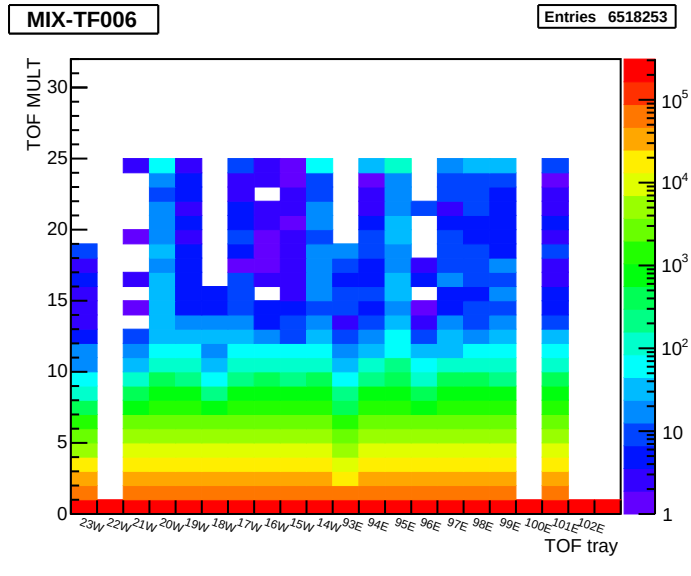

MIX-TF001
Entries 6518253
TOF MULT
TOF tray

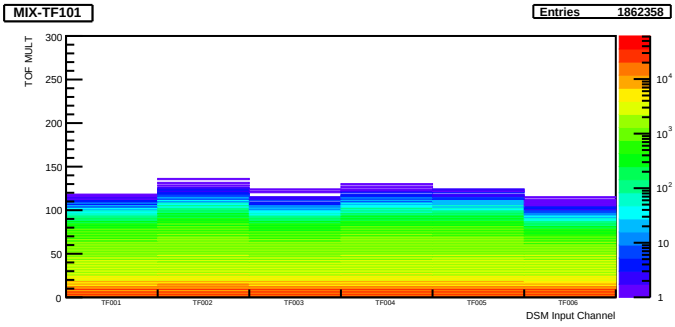

MIX-TF002
Entries 6518253
TOF MULT
TOF tray

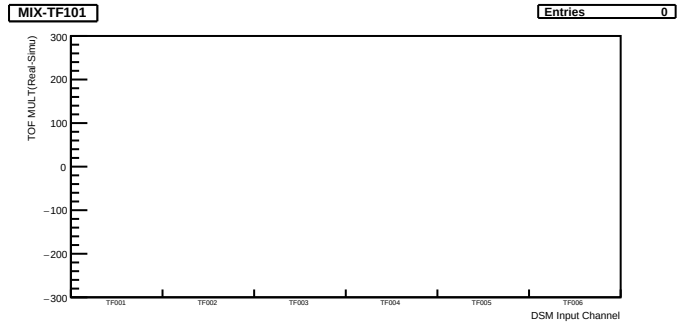

MIX-TF003
Entries 6518253
TOF MULT
TOF tray

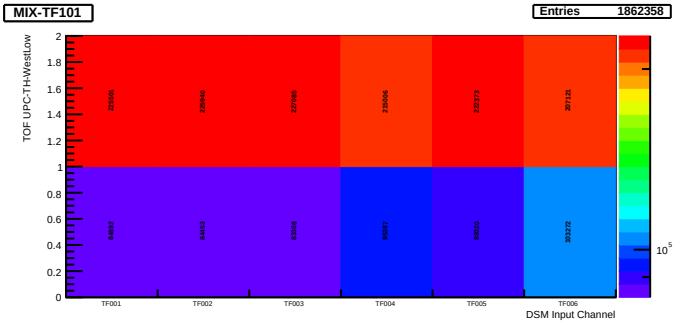

MIX-TF004
Entries 6518253
TOF MULT
TOF tray

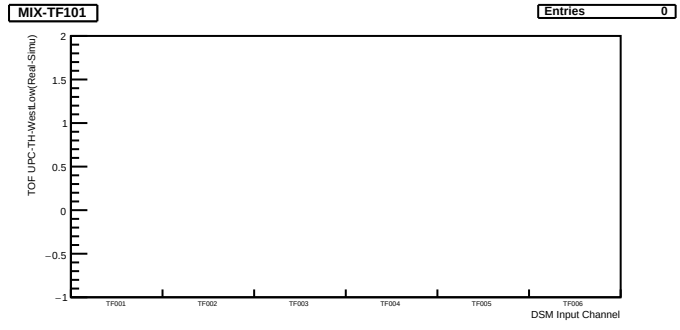

MIX-TF005
Entries 6518253
TOF MULT
TOF tray

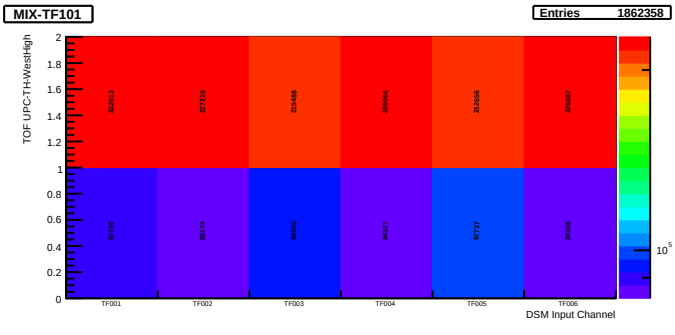

MIX-TF006
Entries 6518253
TOF MULT
TOF tray

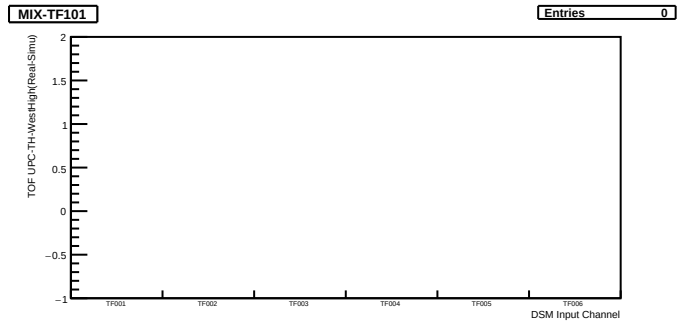

MIX-TF101
Entries 1862358
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

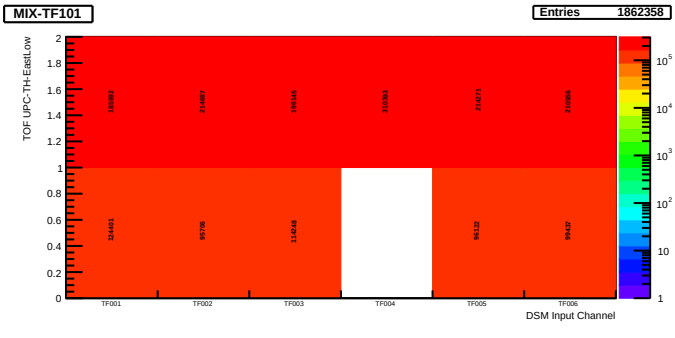

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

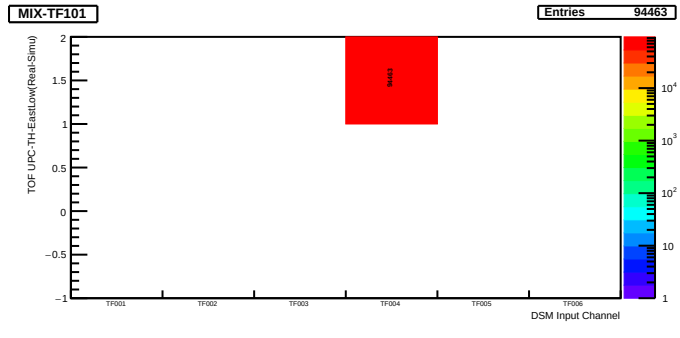

MIX-TF101
Entries 1862358
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

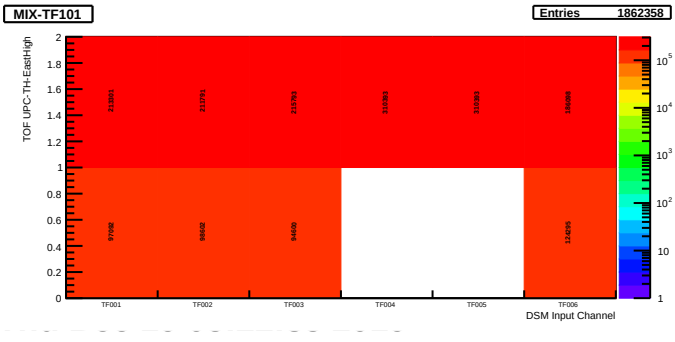

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

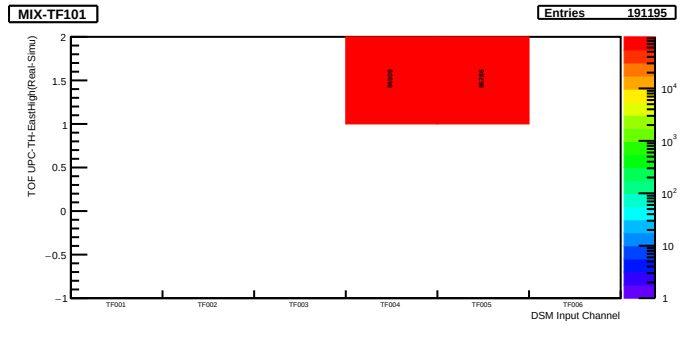

MIX-TF101
Entries 1862358
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

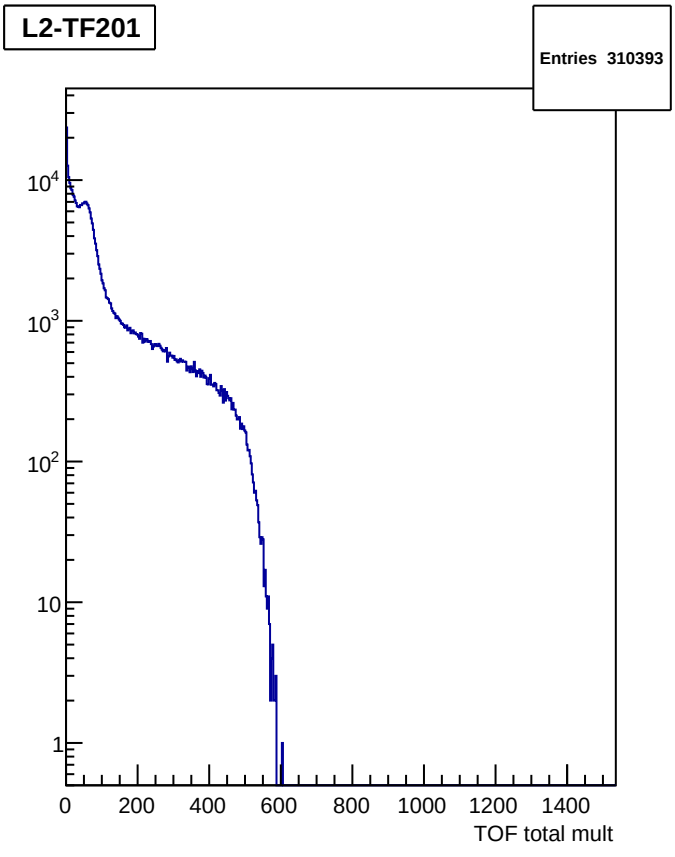

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

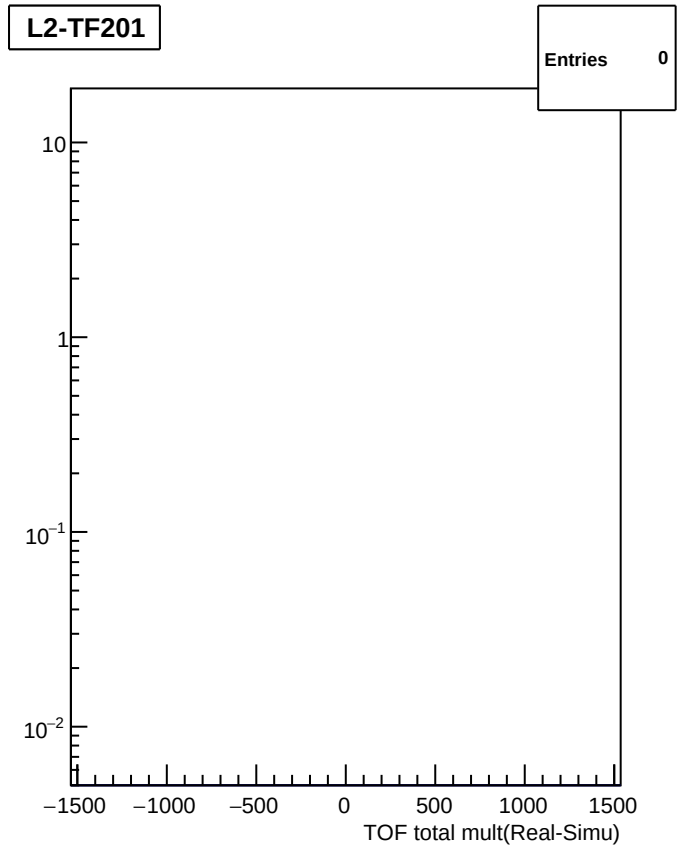

MIX-TF101
Entries 1862358
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

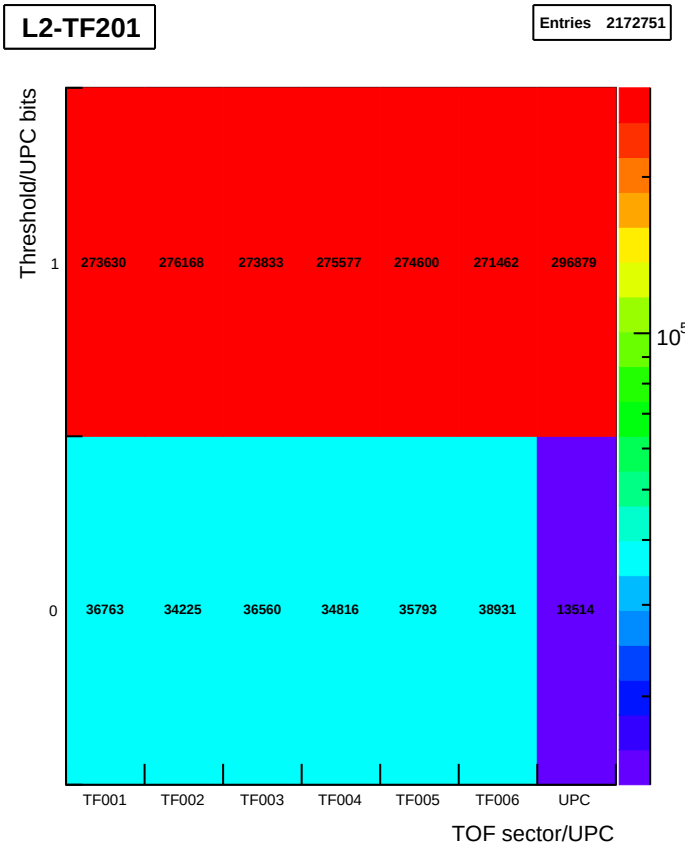

MIX-TF101
Entries 94463
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

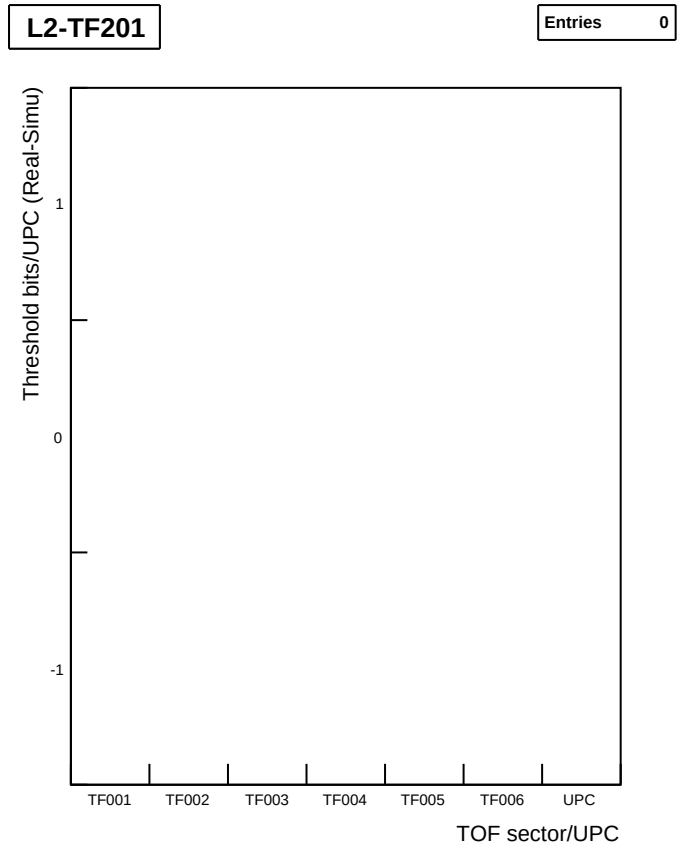

MIX-TF101
Entries 1862358
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

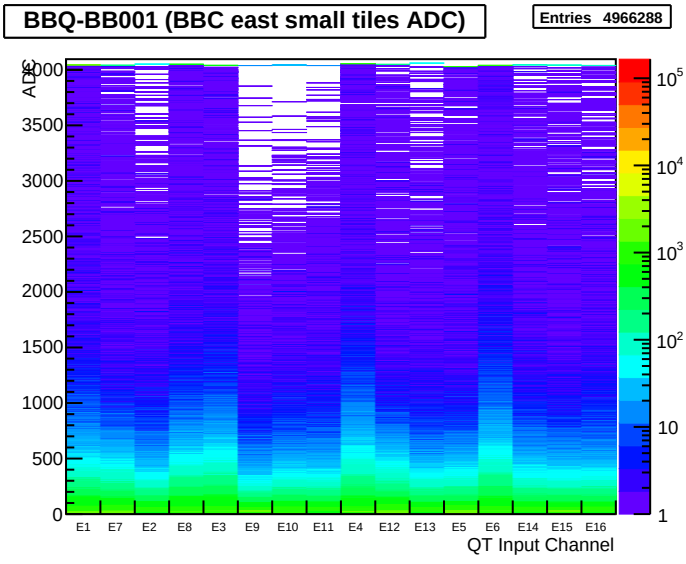

MIX-TF101
Entries 191195
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

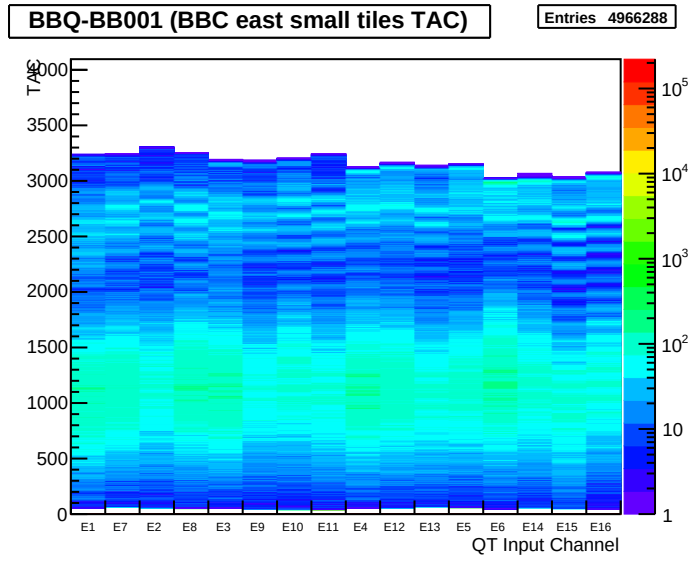

L2-TF201
Entries 310393
TOF total mult

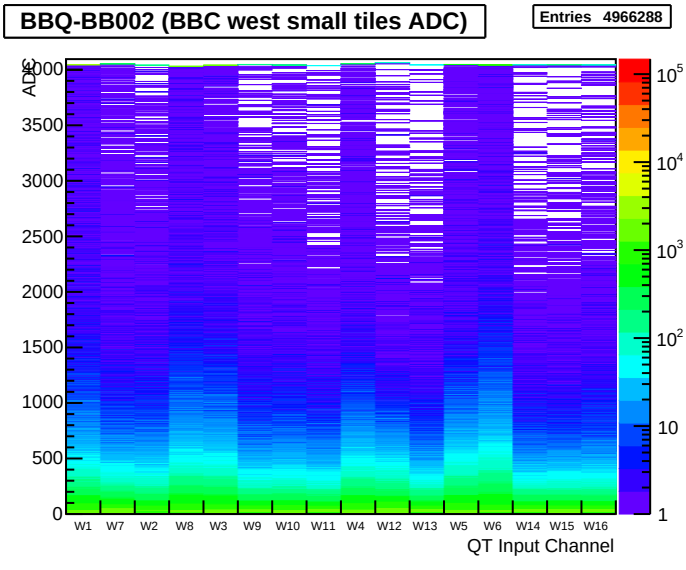

L2-TF201
Entries 0
TOF total mult(Real-Simu)

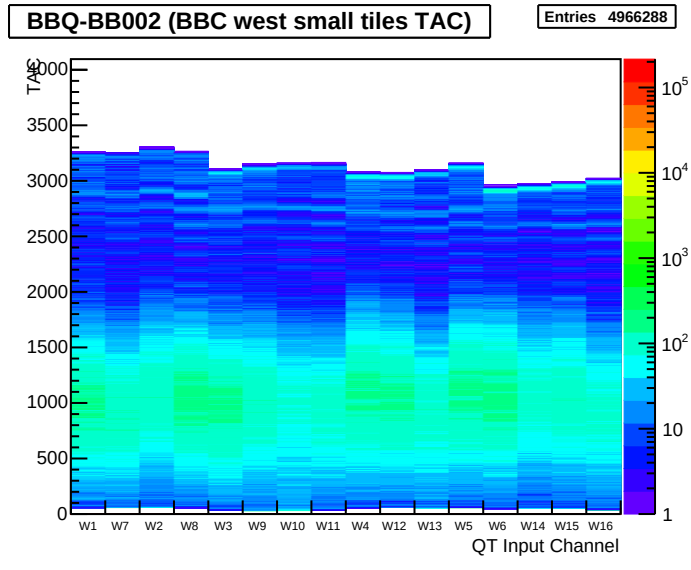

L2-TF201
Entries 2172751
Threshold/UPC bits
273630
276168
273833
275577
274600
271462
296879
36763
34225
36560
34816
35793
38931
13514
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

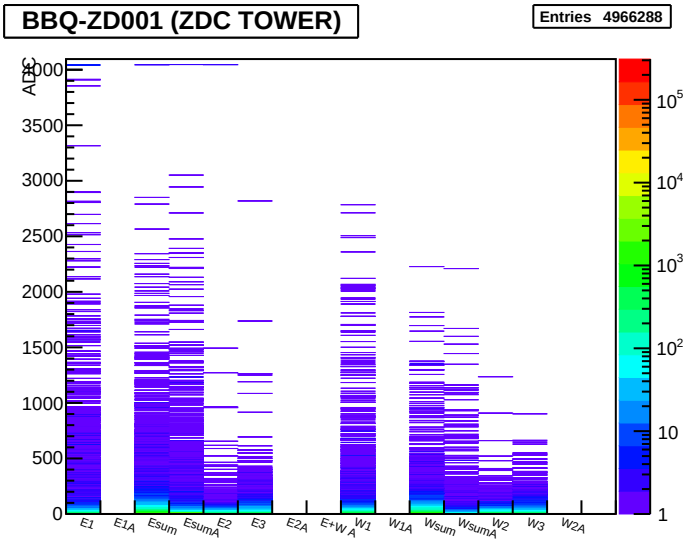

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

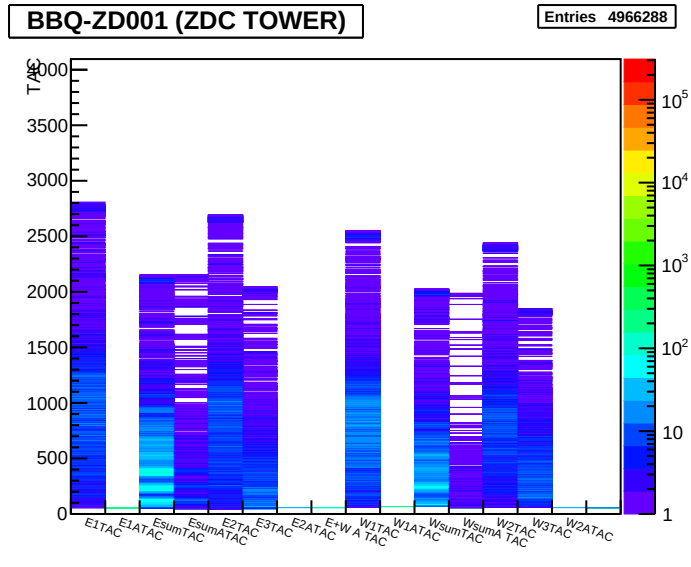

BBQ-BB001 (BBC east small tiles ADC)
Entries 4966288
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

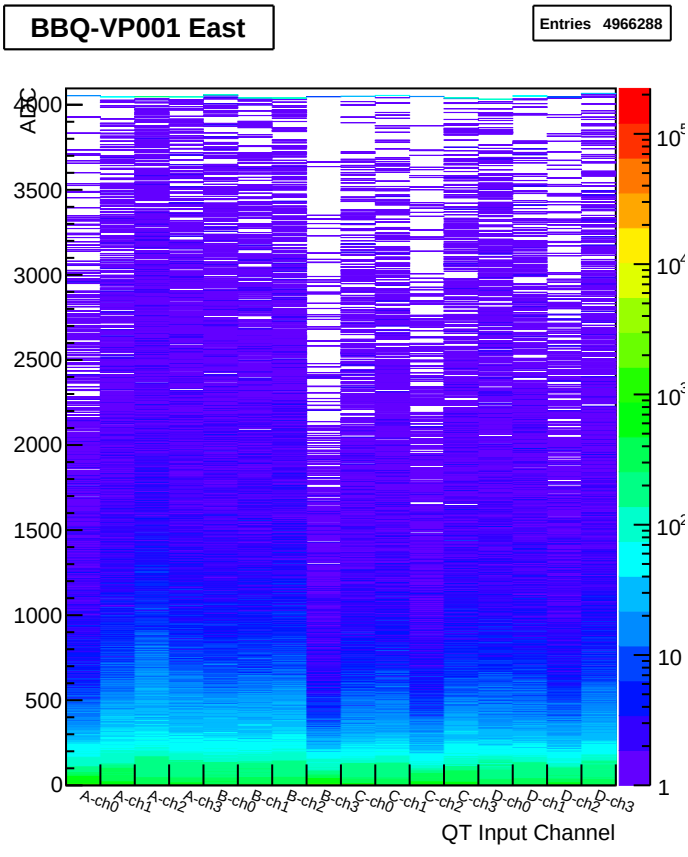

BBQ-BB001 (BBC east small tiles TAC)
Entries 4966288
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

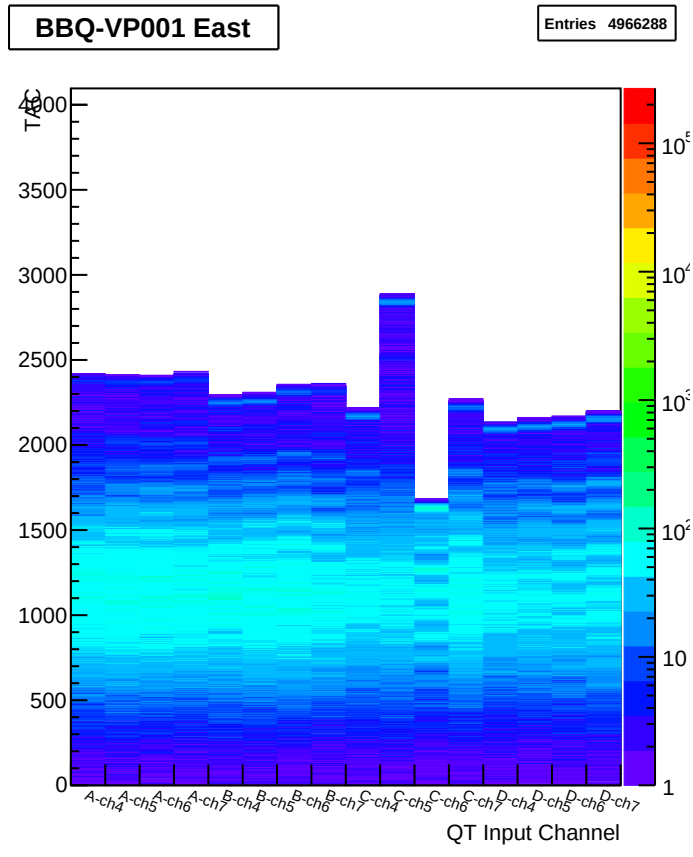

BBQ-BB002 (BBC west small tiles ADC)
Entries 4966288
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

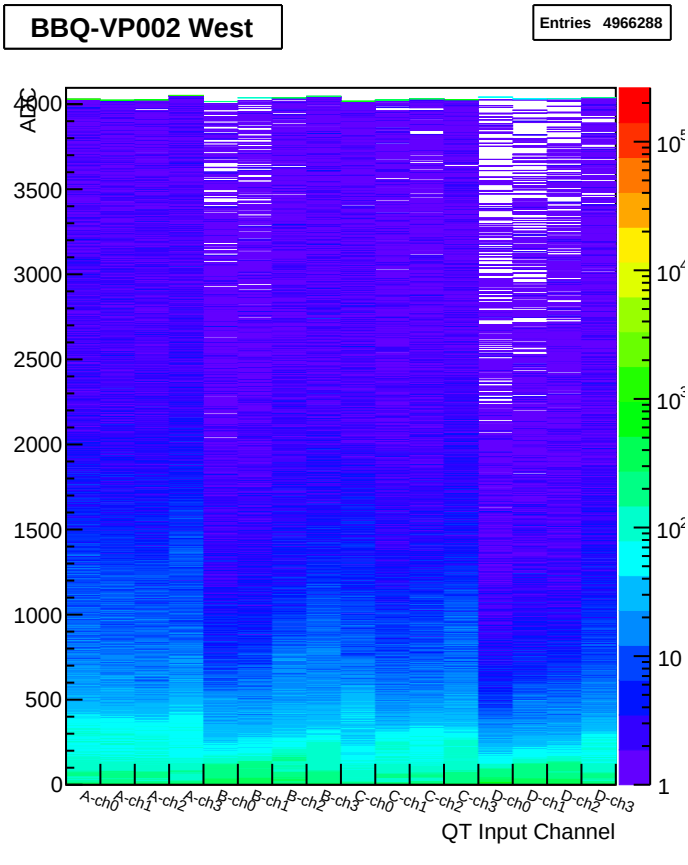

BBQ-BB002 (BBC west small tiles TAC)
Entries 4966288
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

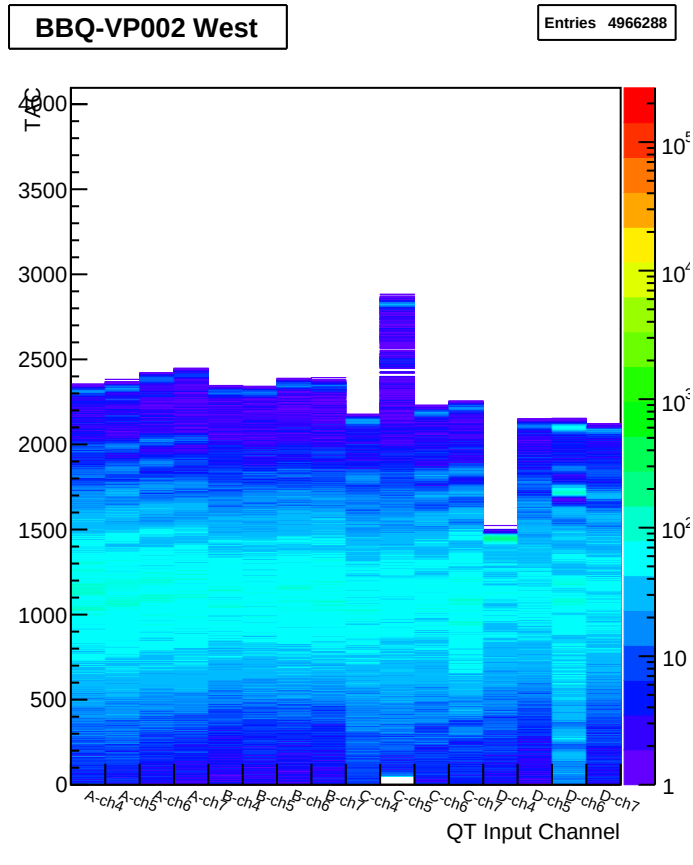

BBQ-ZD001 (ZDC TOWER)
Entries 4966288
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

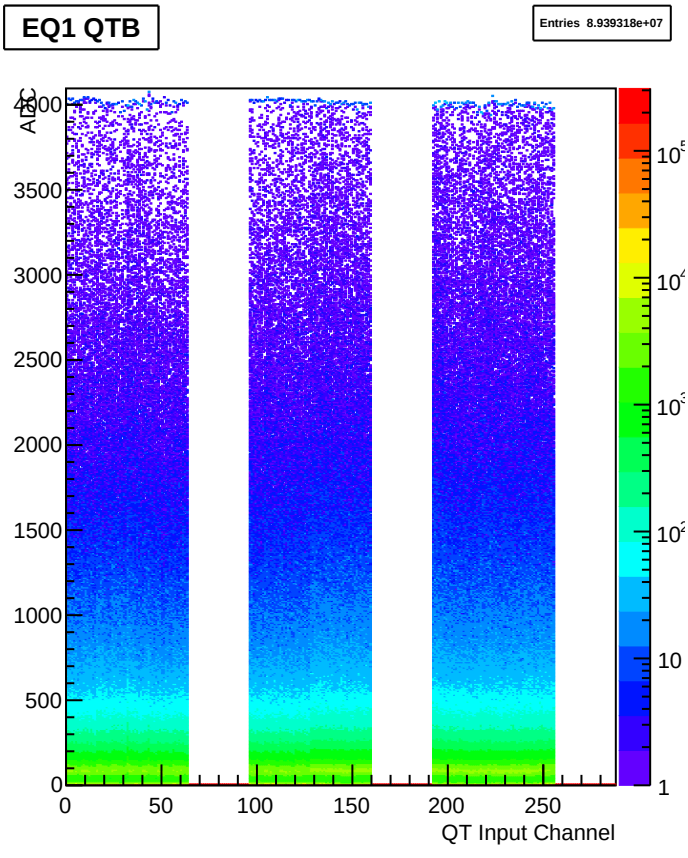

BBQ-ZD001 (ZDC TOWER)
Entries 4966288
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

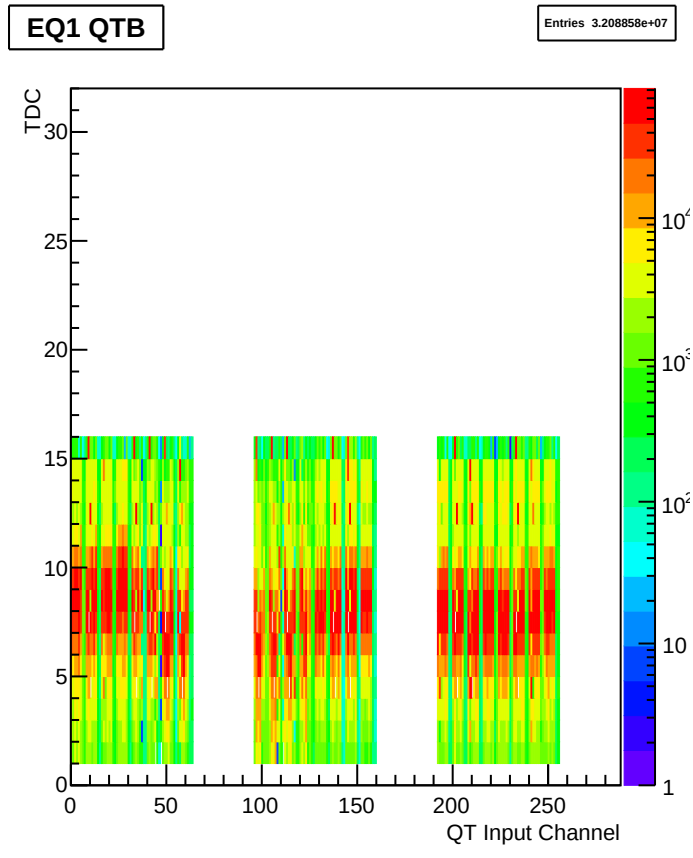

BBQ-VP001 East
Entries 4966288
ADC
QT Input Channel

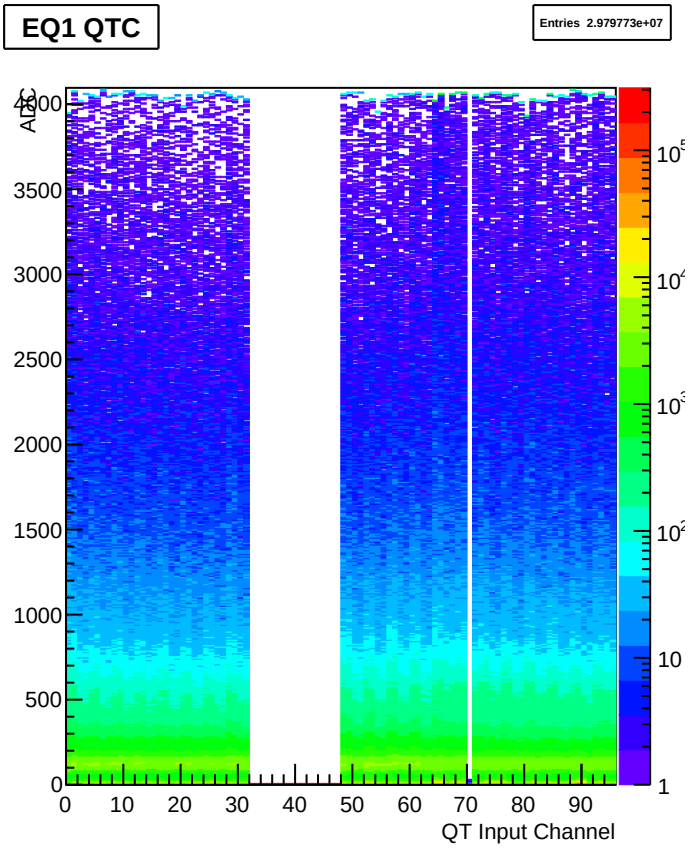

BBQ-VP001 East
Entries 4966288
TADC
QT Input Channel

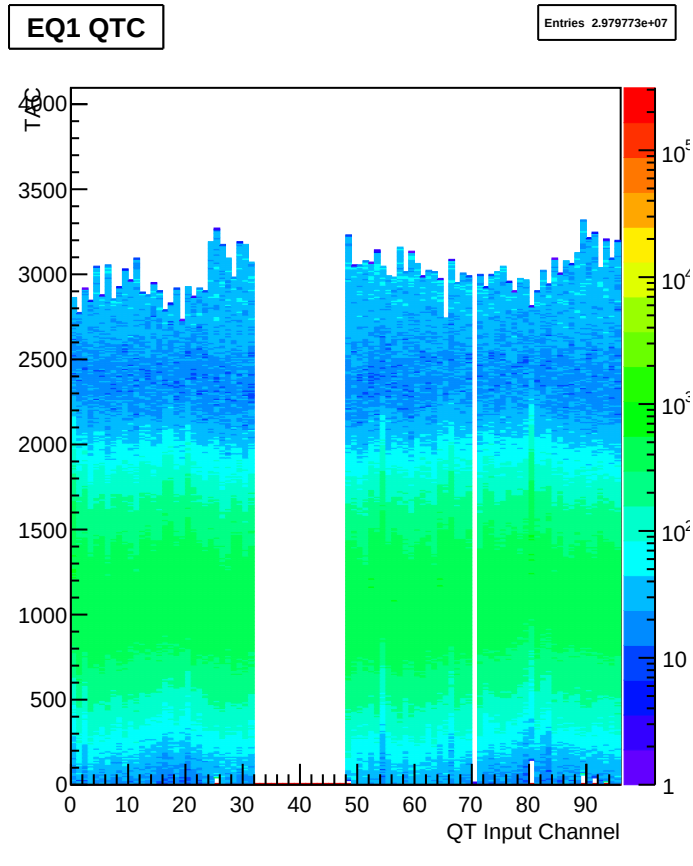

BBQ-VP002 West
Entries 4966288
ADC
QT Input Channel

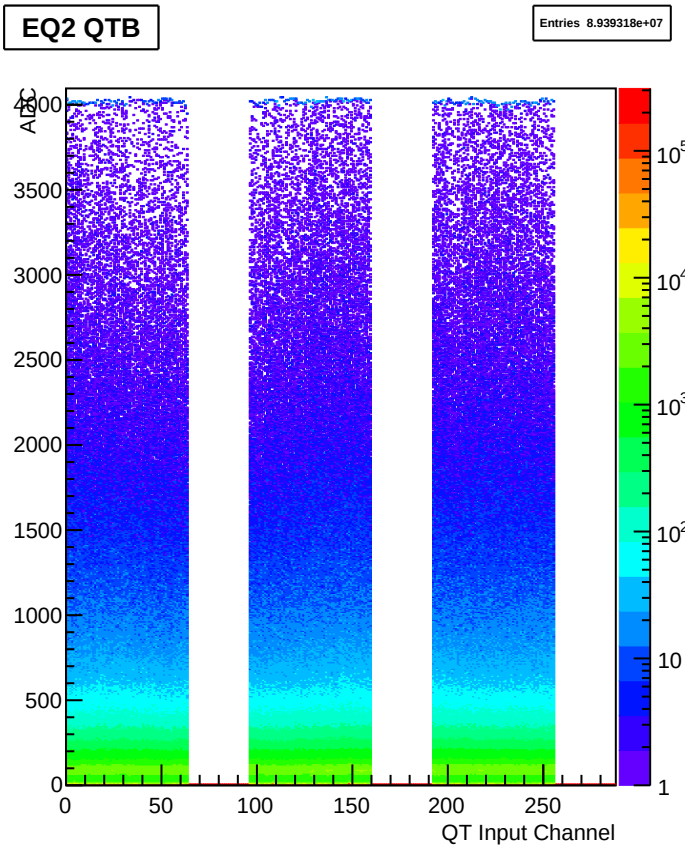

BBQ-VP002 West
Entries 4966288
TADC
QT Input Channel

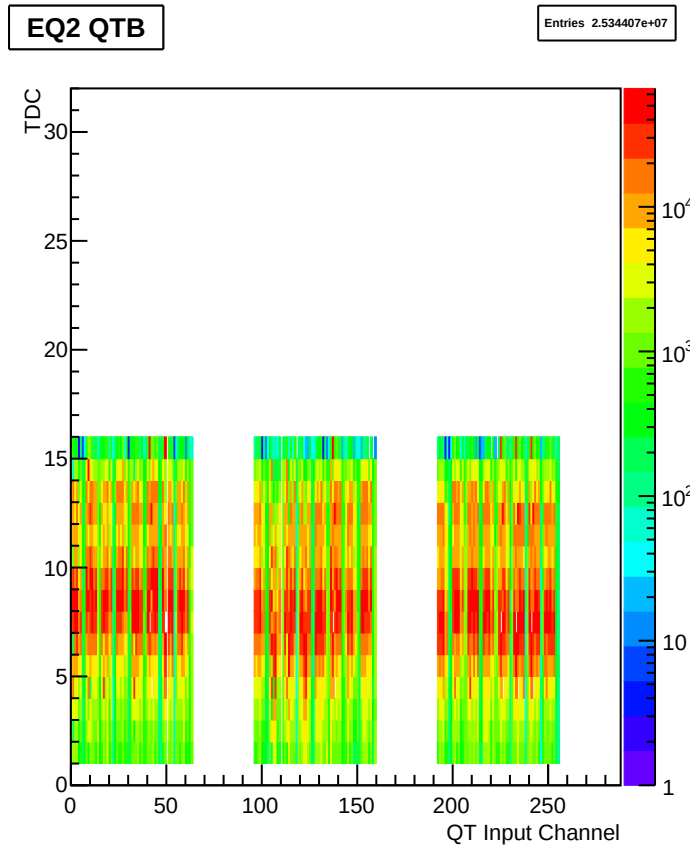

EQ1 QTB
Entries 8.939318e+07
ADC
QT Input Channel

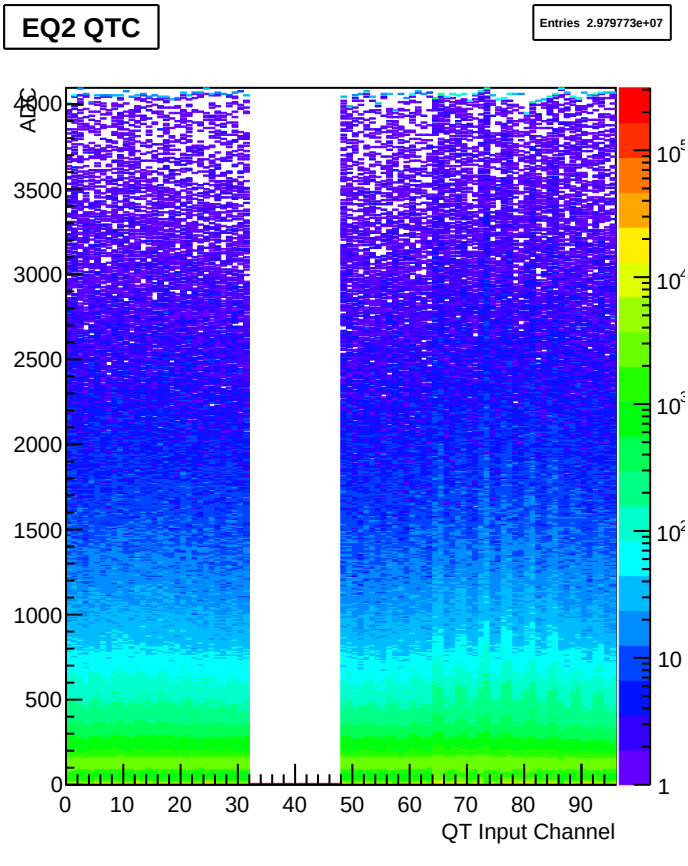

EQ1 QTB
Entries 3.208858e+07
TDC
QT Input Channel

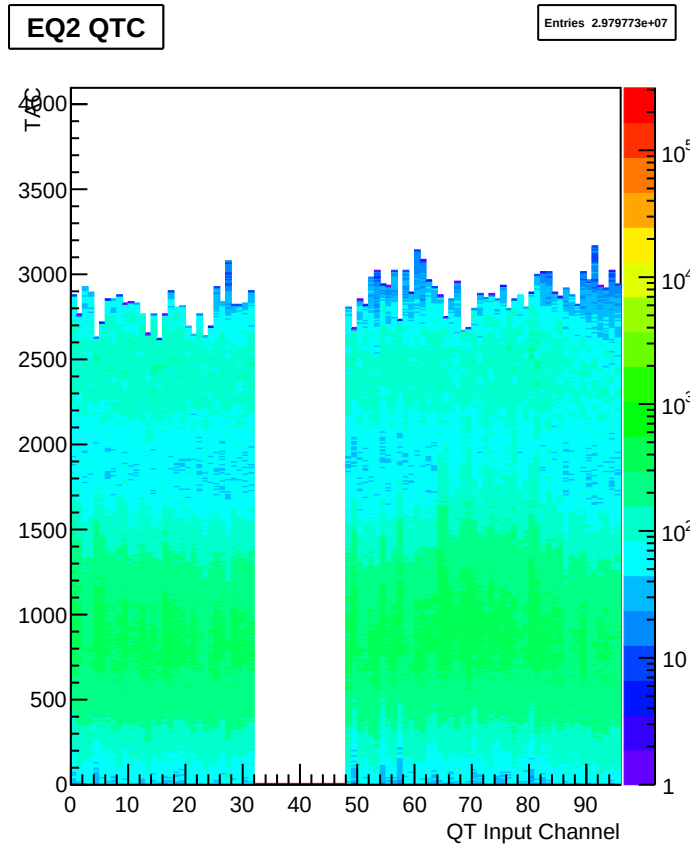

EQ1 QTC
Entries 2.979773e+07
ADC
QT Input Channel

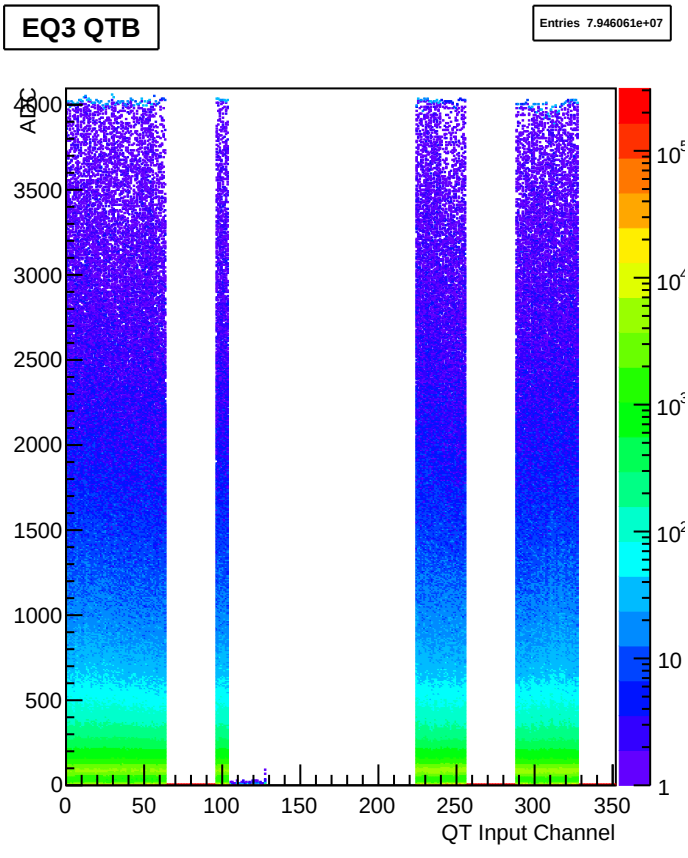

EQ1 QTC
Entries 2.979773e+07
TADC
QT Input Channel

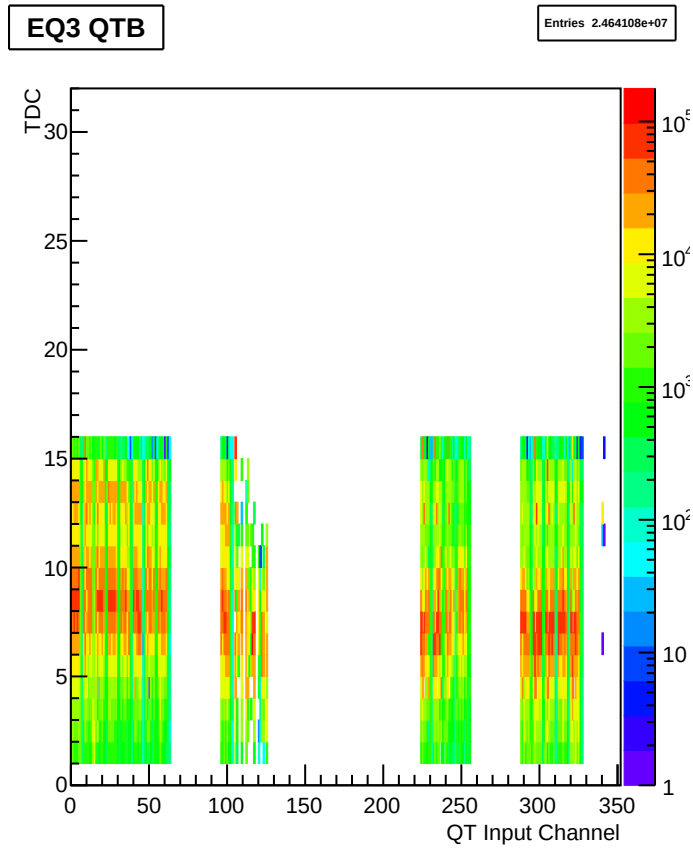

EQ2 QTB
Entries 8.939318e+07
ADC
QT Input Channel

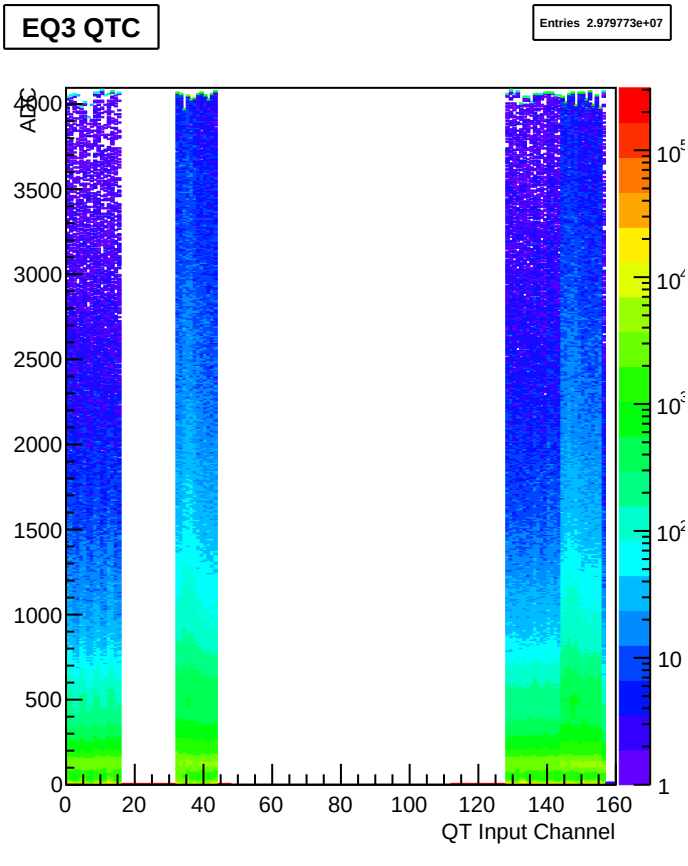

EQ2 QTB
Entries 2.534407e+07
TDC
QT Input Channel

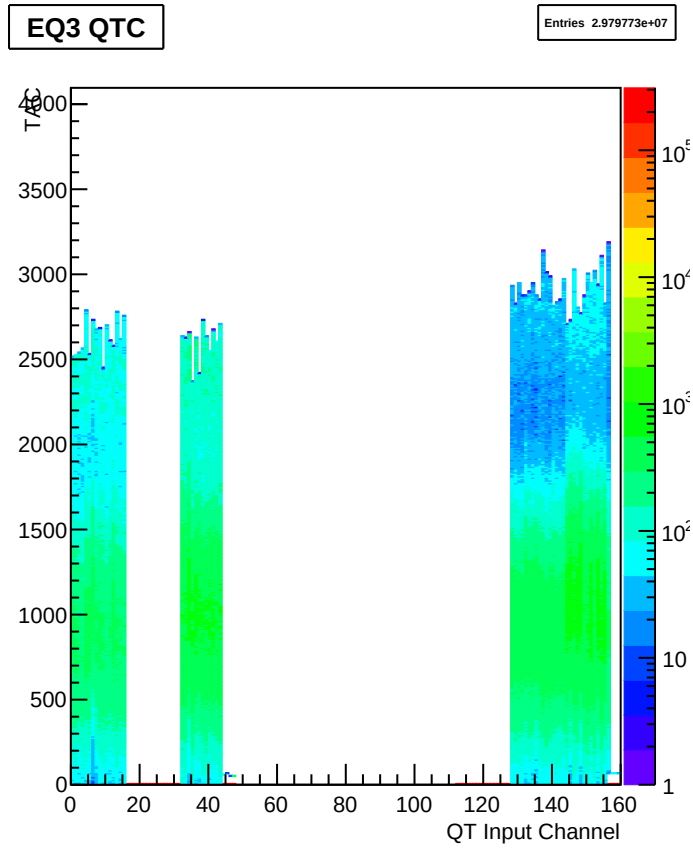

EQ2 QTC
Entries 2.979773e+07
ADC
QT Input Channel

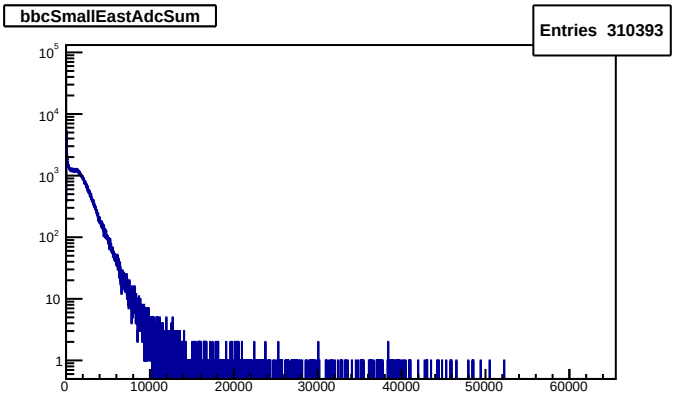

EQ2 QTC
Entries 2.979773e+07
TADC
QT Input Channel

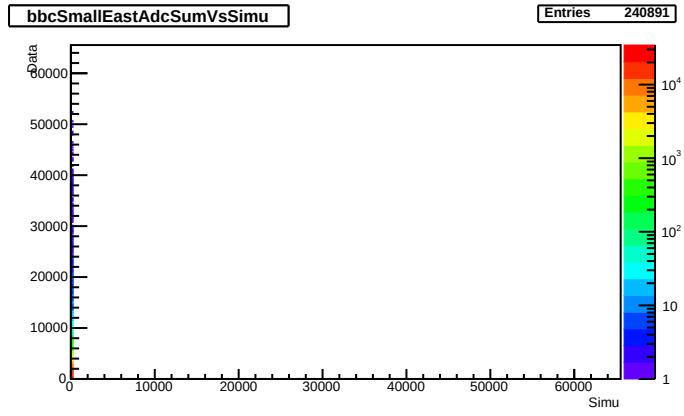

EQ3 QTB
Entries 7.946061e+07
ADC
QT Input Channel

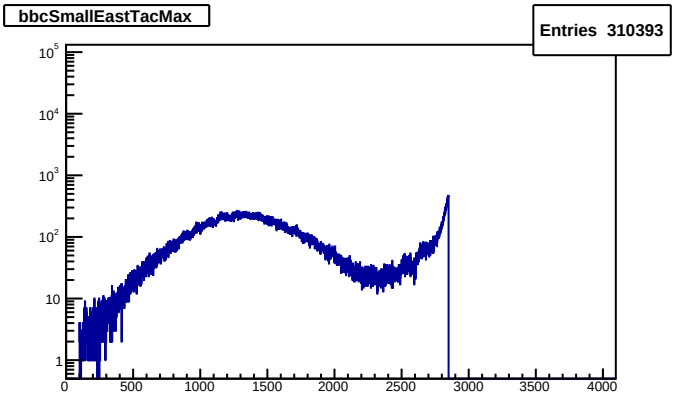

EQ3 QTB
Entries 2.464108e+07
TDC
QT Input Channel

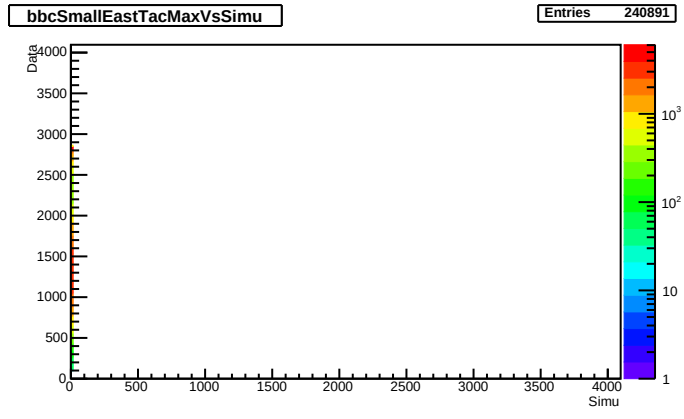

EQ3 QTC
Entries 2.979773e+07
ADC
QT Input Channel


EQ3 QTC
Entries 2.979773e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 310393


bbcSmallEastAdcSumVsSimu
Entries 240891
Data
Simu


bbcSmallEastTacMax
Entries 310393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Entries 240891
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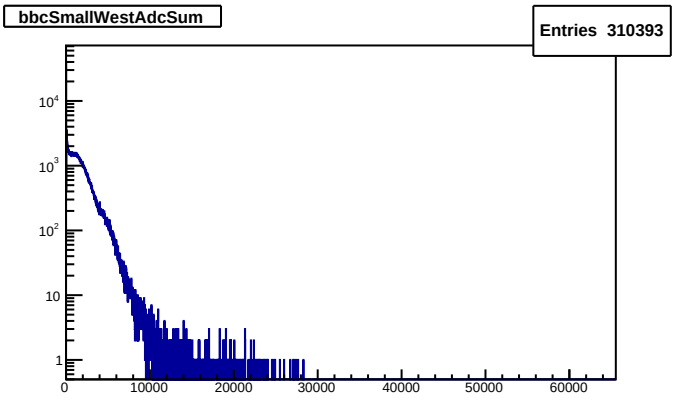
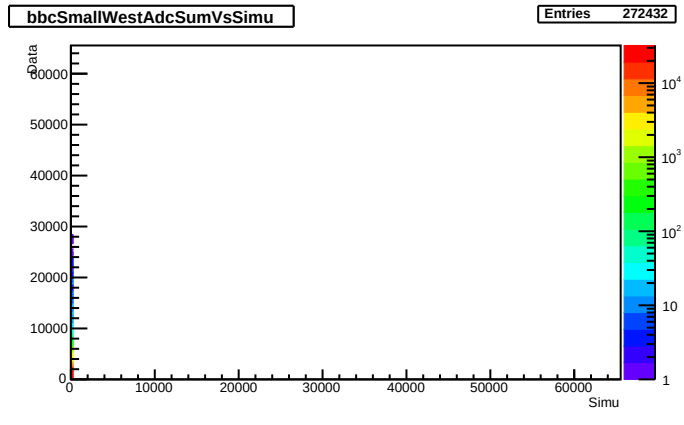
Simu


bbcSmallWestAdcSum
Entries 310393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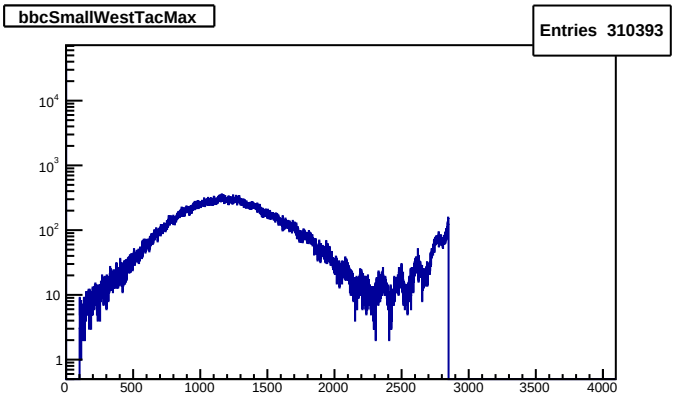
Entries 272432
Data
Simu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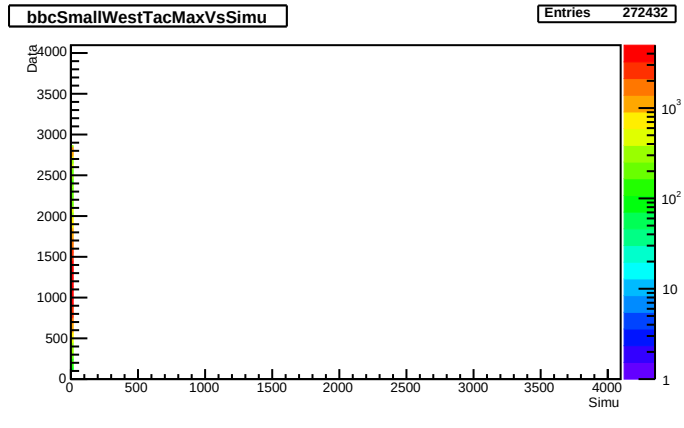
Entries 310393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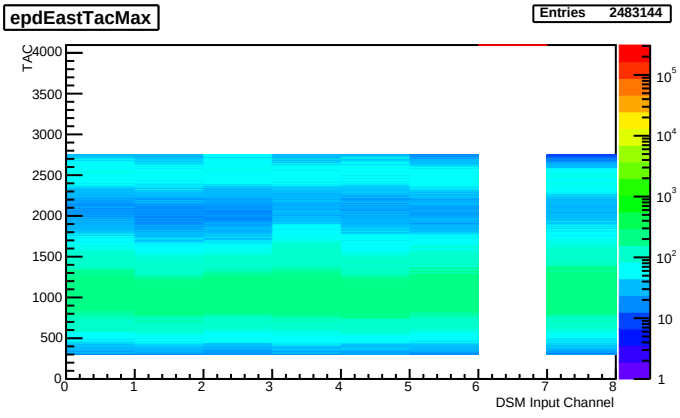
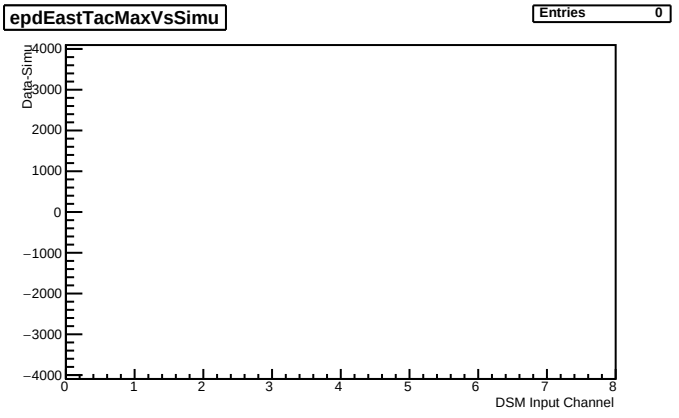
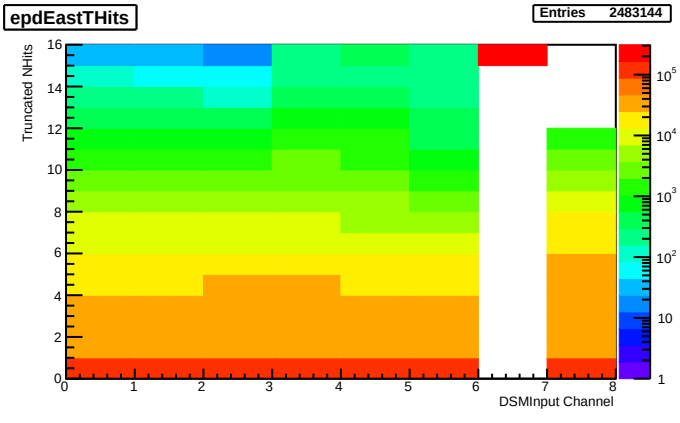
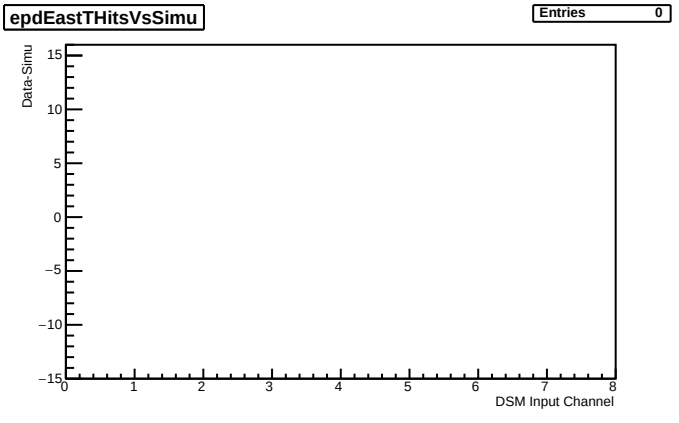
Entries 272432
Data
Simu


epdEastTacMax
Entries 2483144
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2483144
Truncated NHits
DSMInput Channel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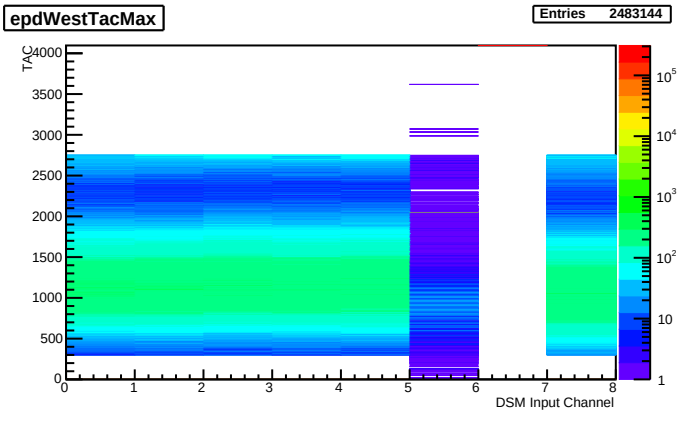
Data-Simu
DSM Input Channel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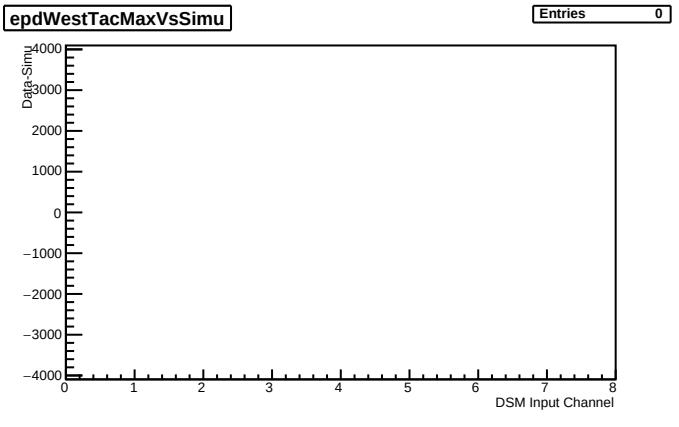
Entries 2483144
TAC
DSM Input Channel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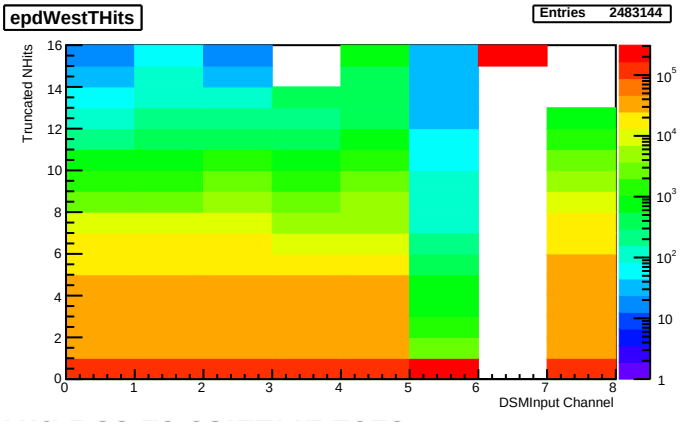
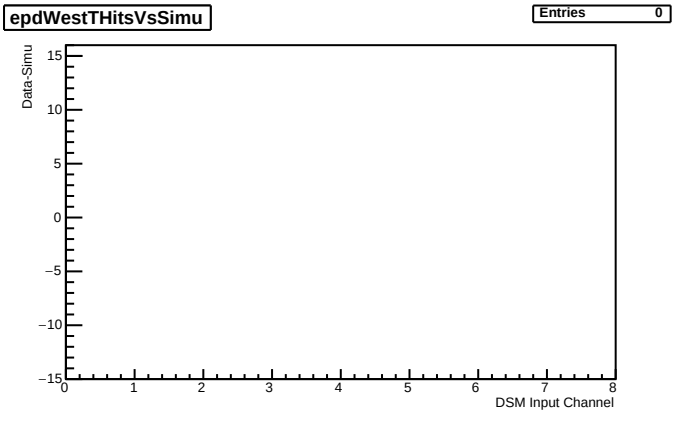
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2483144
Truncated NHits
DSMInput Channel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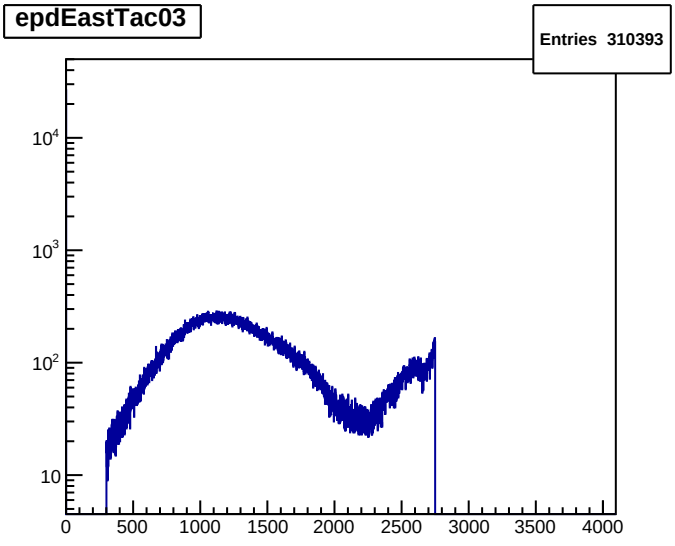
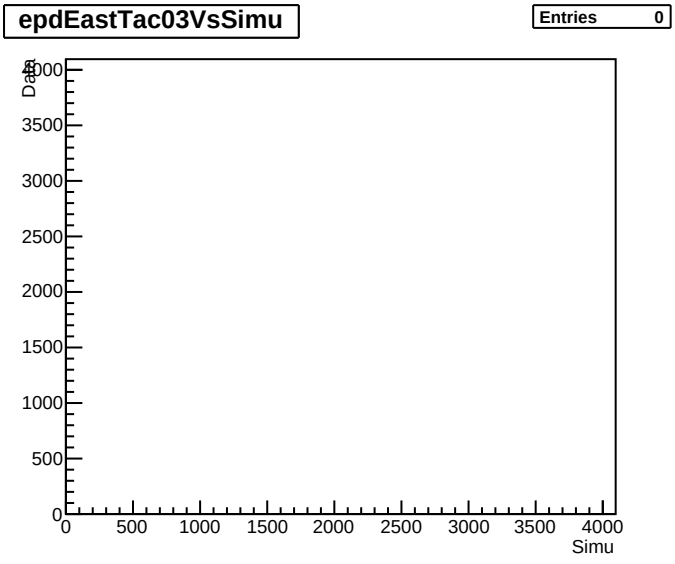
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 310393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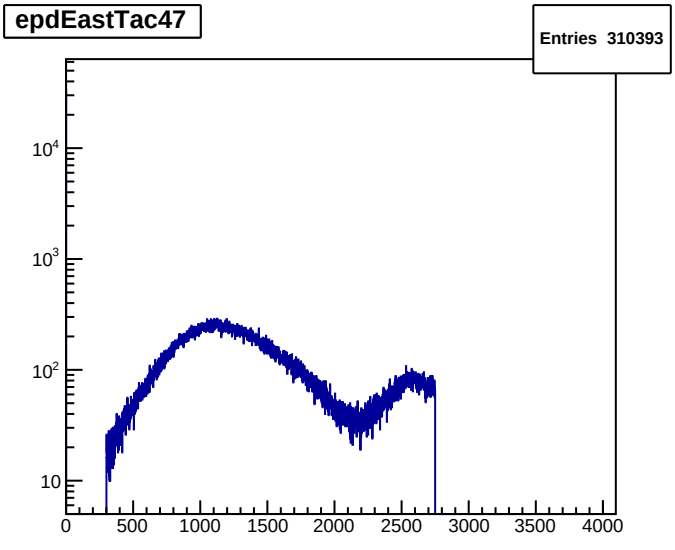
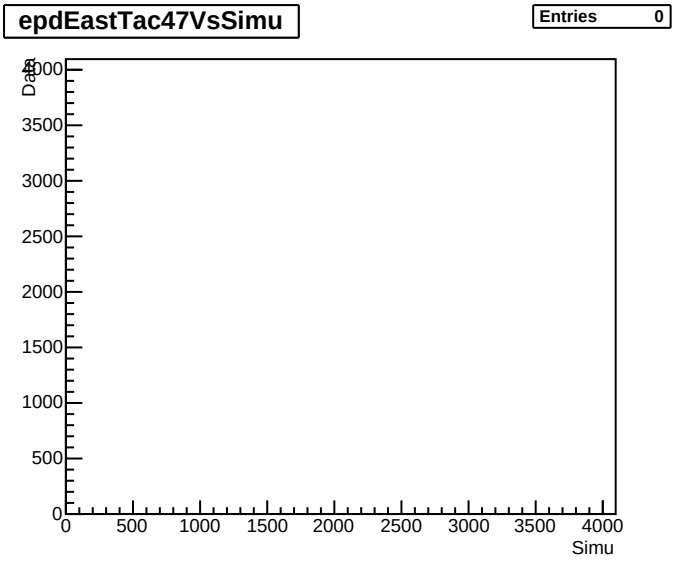
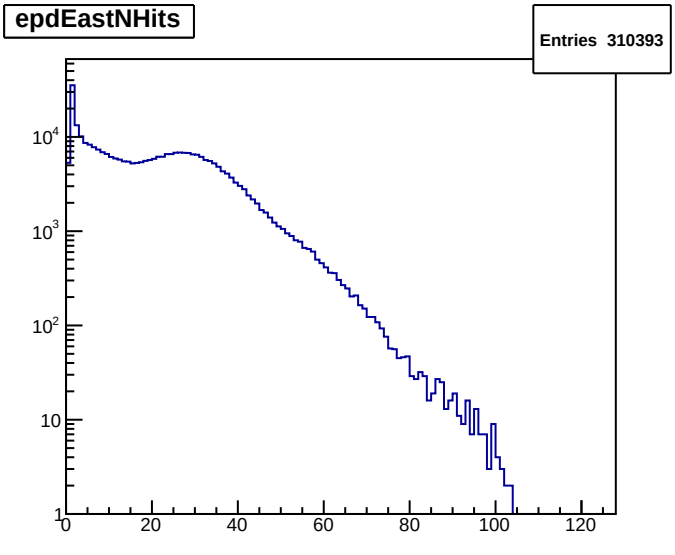
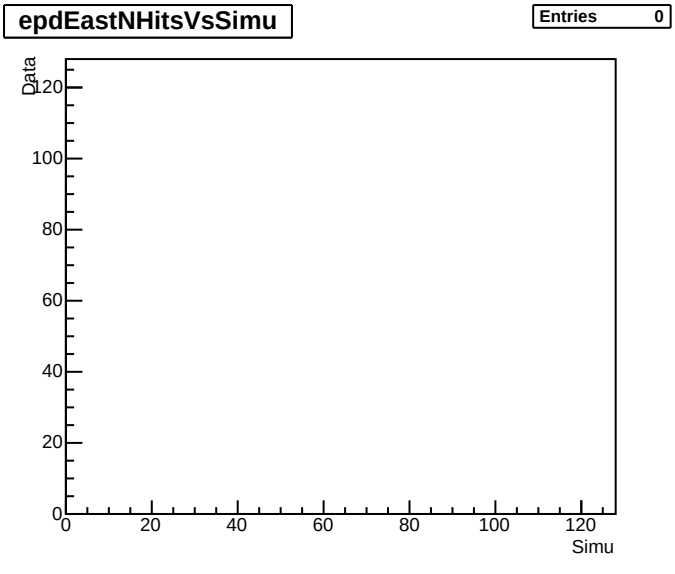
Entries 0
Data
Simu


epdEastTac47
Entries 310393


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 310393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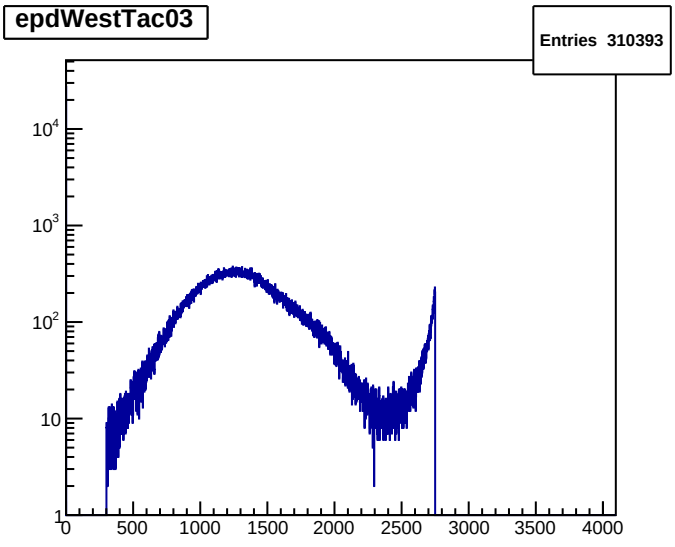
Data
Simu


epdWestTac03
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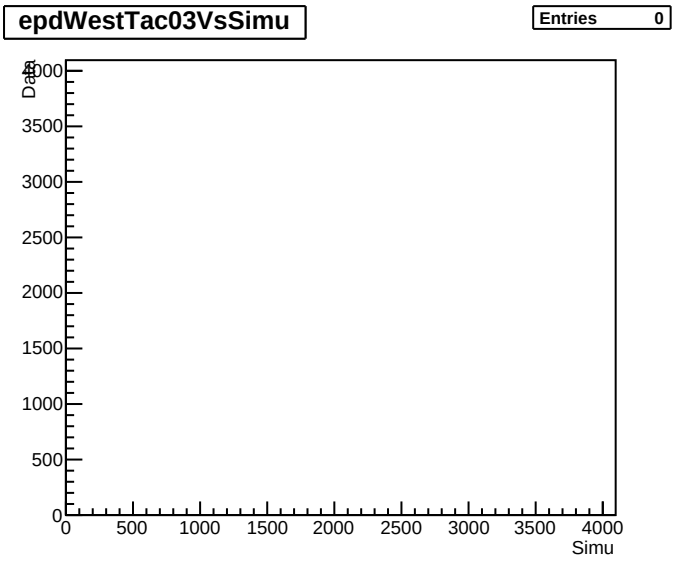
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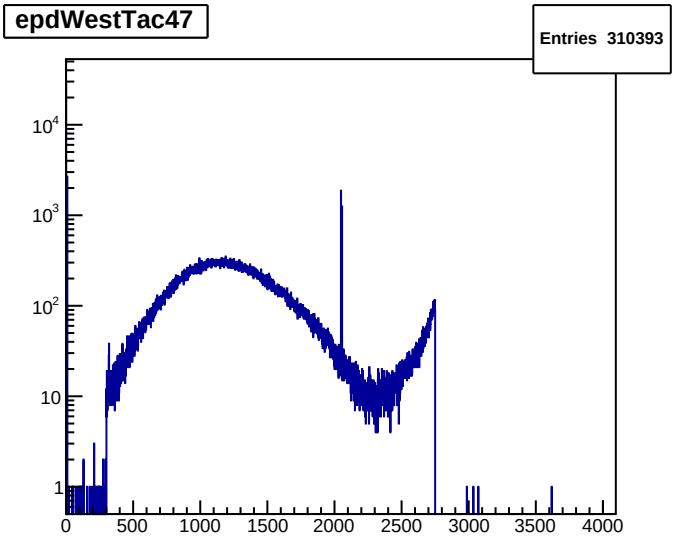
Entries 0
Data
Simu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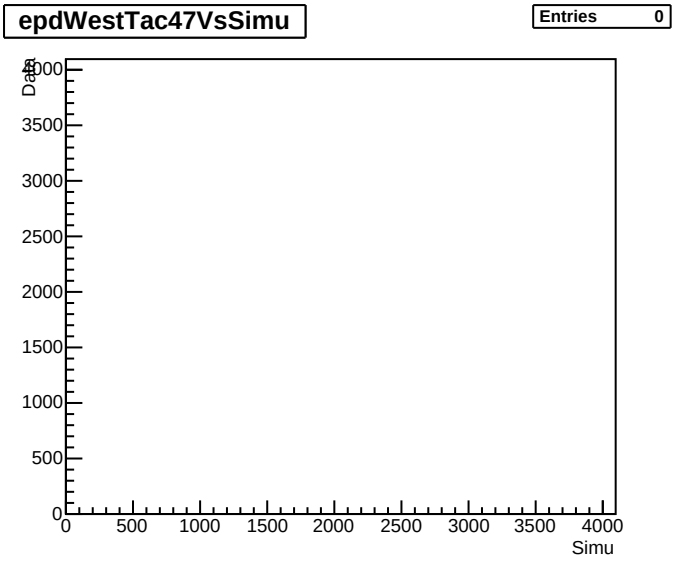
Entries 310393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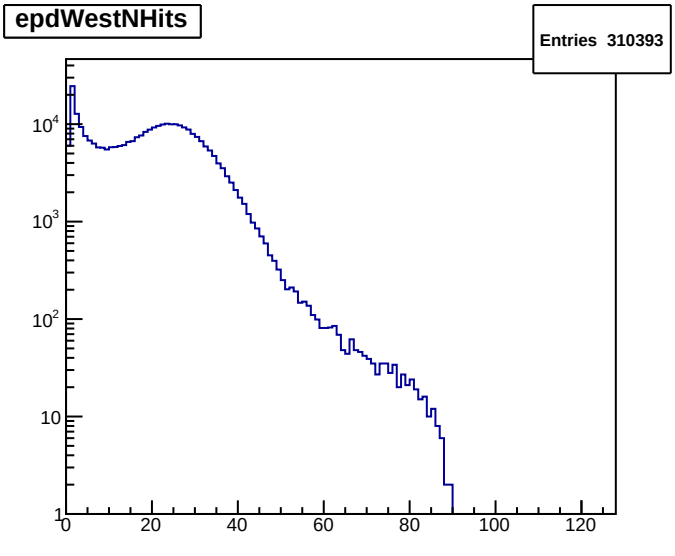
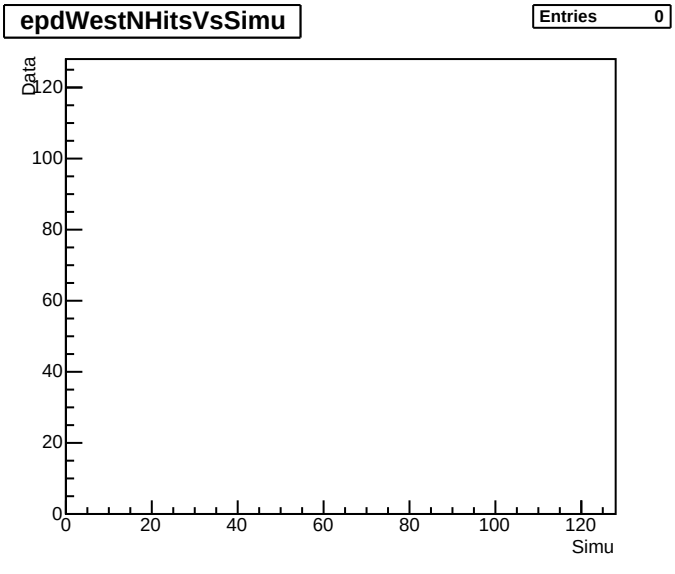
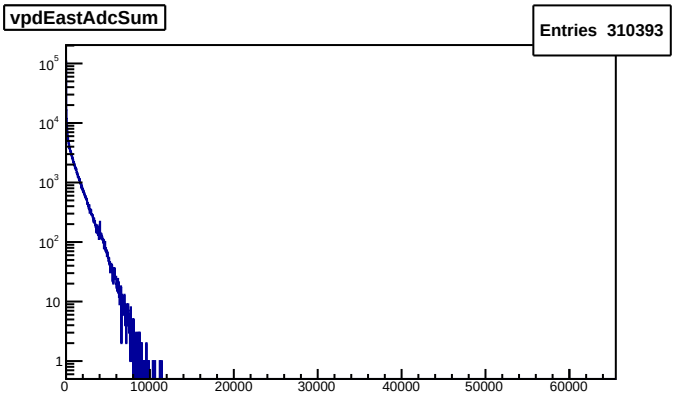
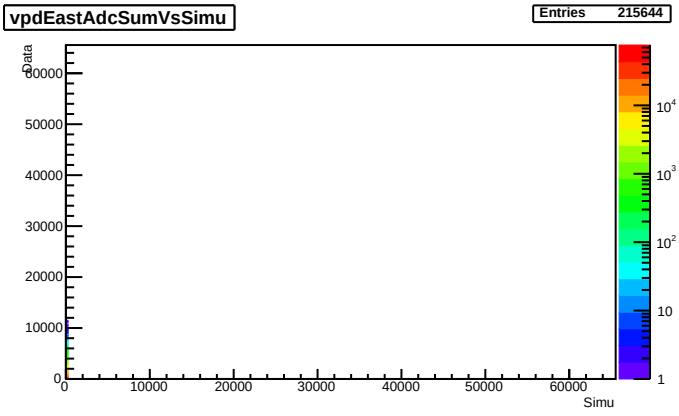
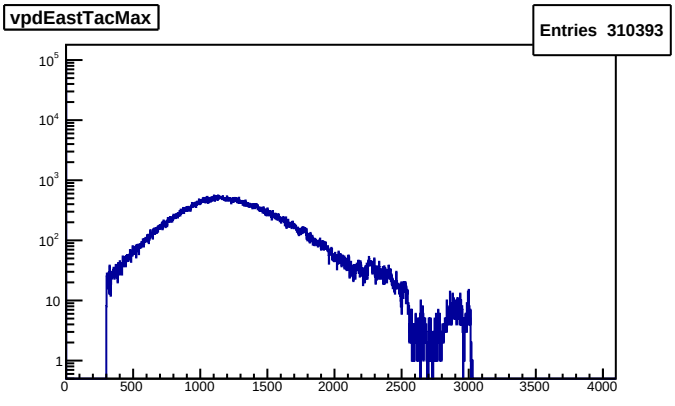
Entries 0
Data
Simu

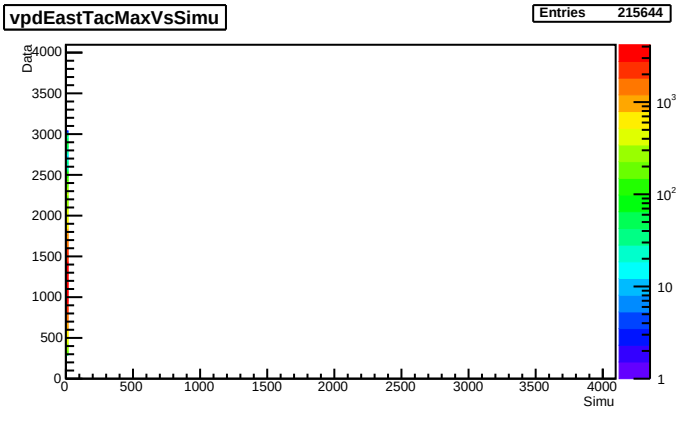

epdWestNHits
Entries 310393

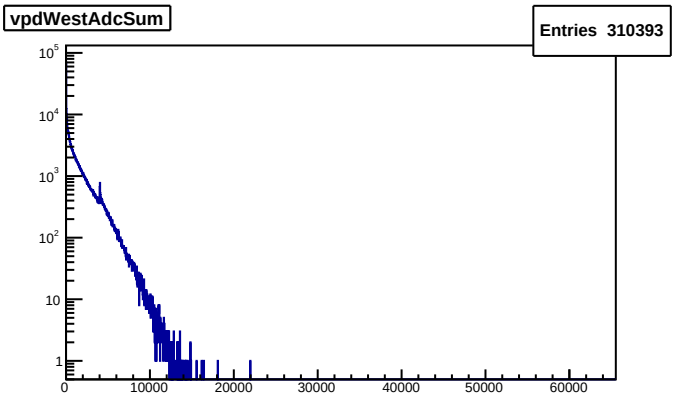

epdWestNHitsVsSimu
Entries 0
Data
Simu

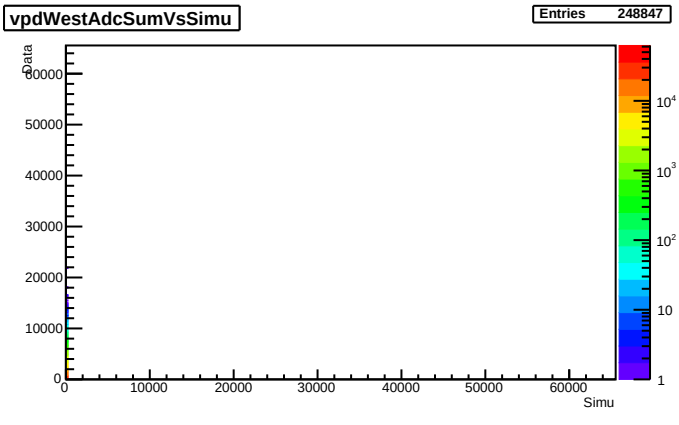

vpdEastAdcSum
Entries 310393

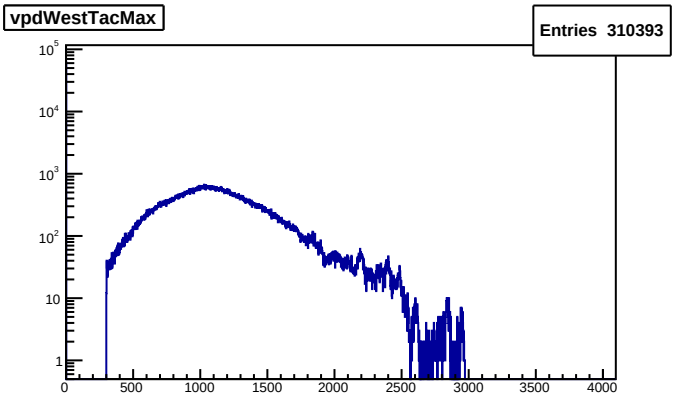

vpdEastAdcSumVsSimu
Entries 215644
Data
Simu

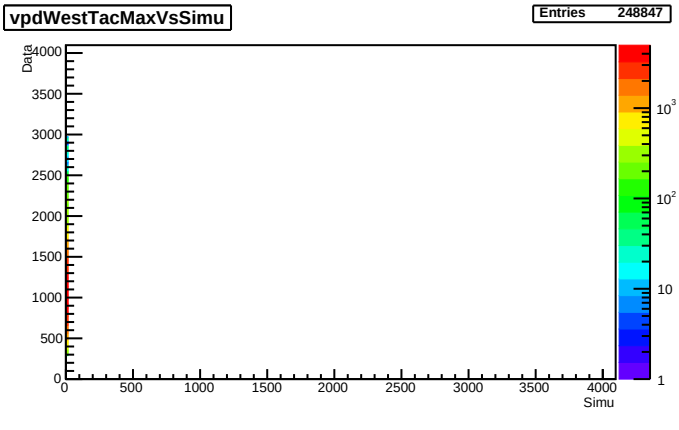

vpdEastTacMax
Entries 310393

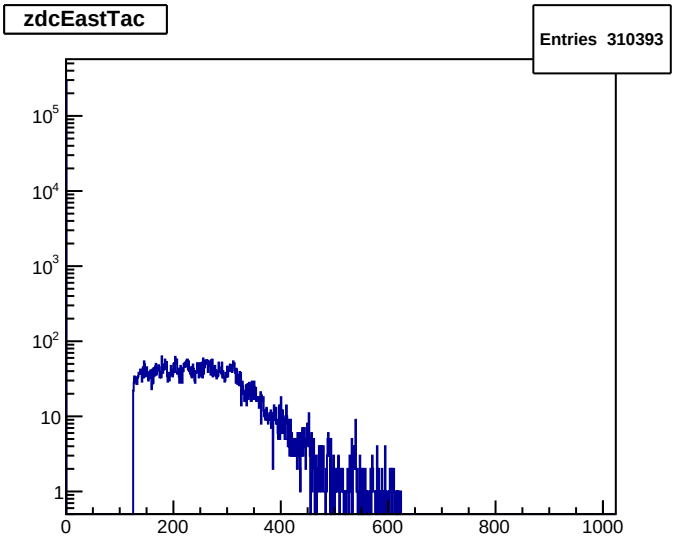

vpdEastTacMaxVsSimu
Entries 215644
Data
Simu

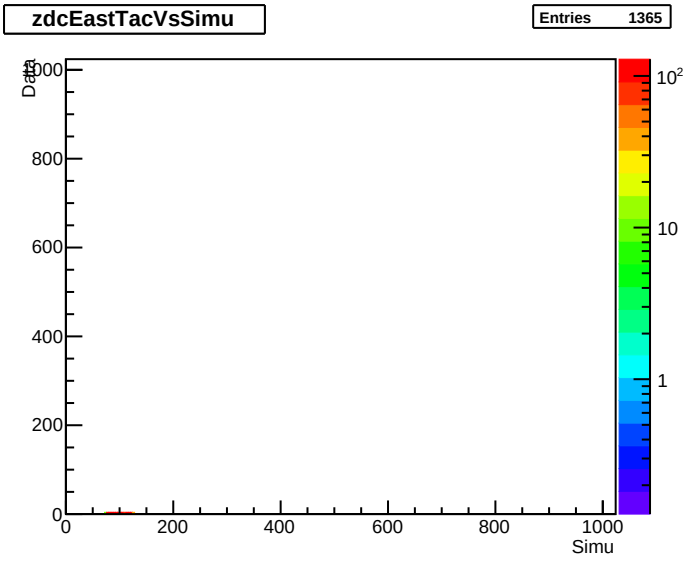

vpdWestAdcSum
Entries 310393

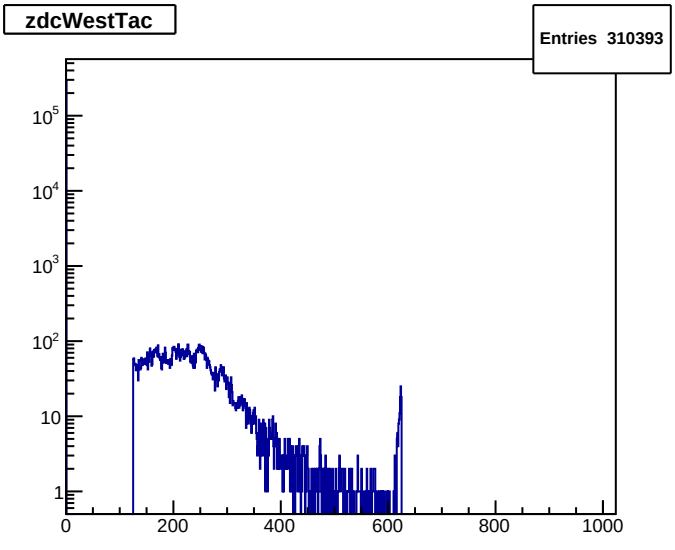

vpdWestAdcSumVsSimu
Entries 248847
Data
Simu

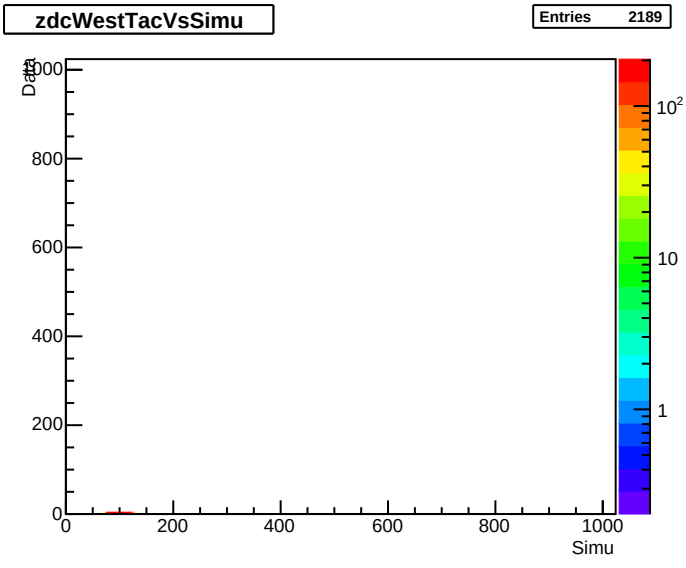

vpdWestTacMax
Entries 310393

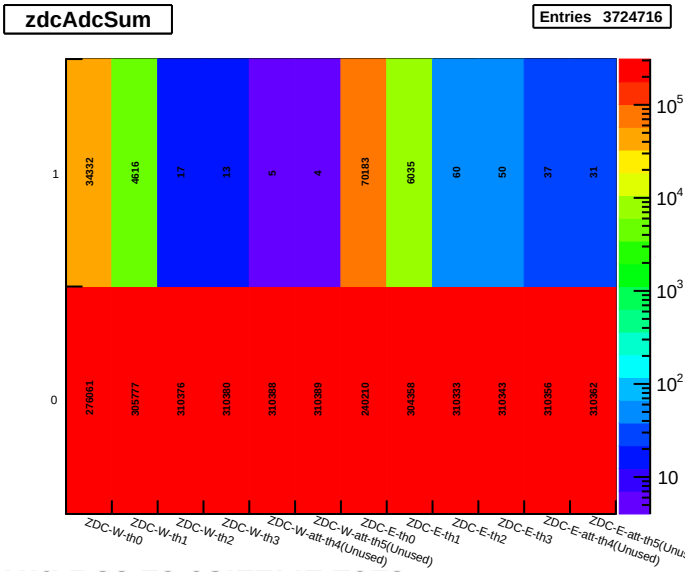

vpdWestTacMaxVsSimu
Entries 248847
Data
Simu

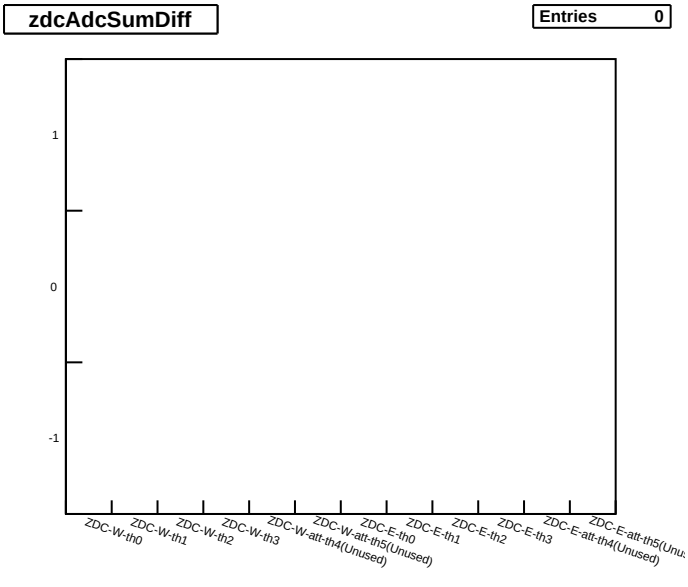

zdcEastTac
Entries 310393

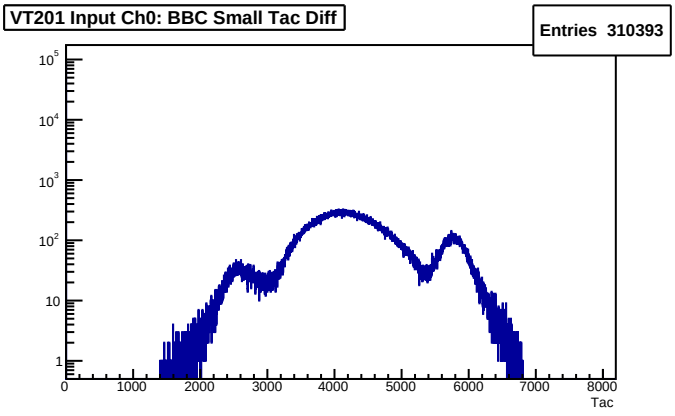

zdcEastTacVsSimu
Entries 1365
Data
Simu

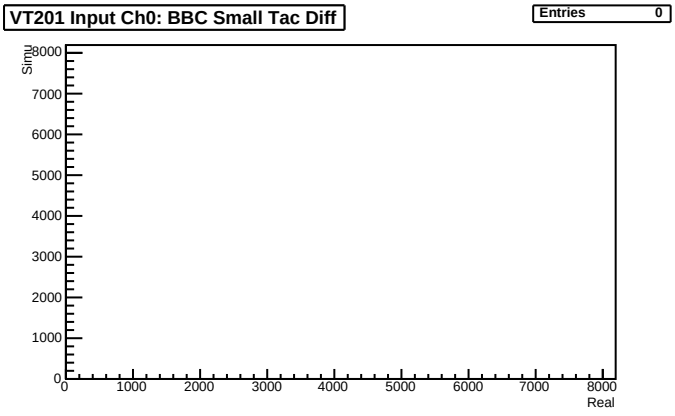

zdcWestTac
Entries 310393

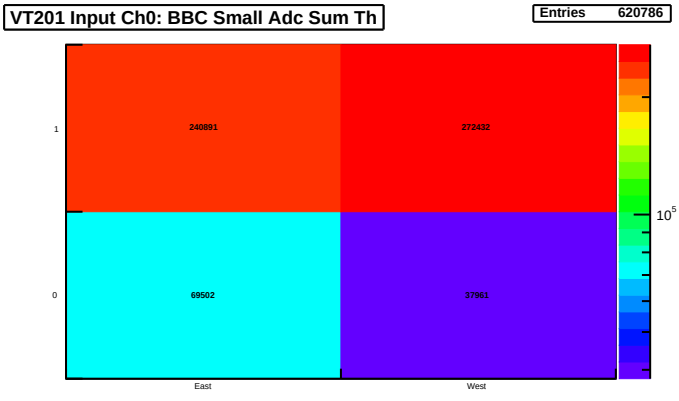

zdcWestTacVsSimu
Entries 2189
Data
Simu

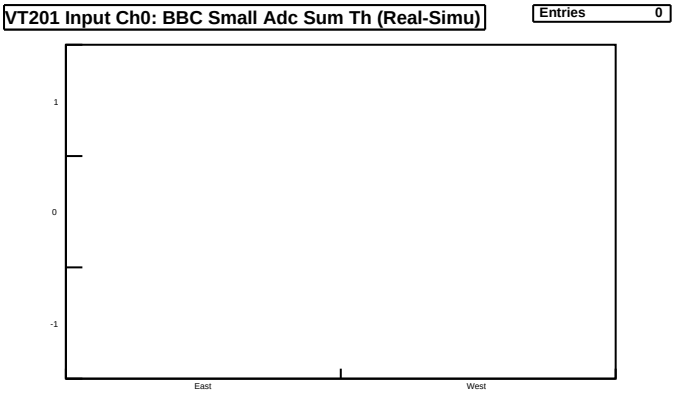

zdcAdcSum
Entries 3724716
34332
4616
17
13
5
4
70183
6035
60
50
37
31
276661
305777
310376
310380
310388
310389
240210
304586
310333
310343
310356
310382
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

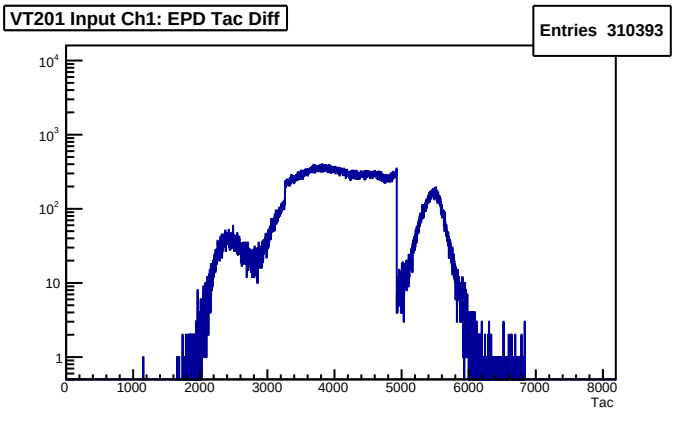

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

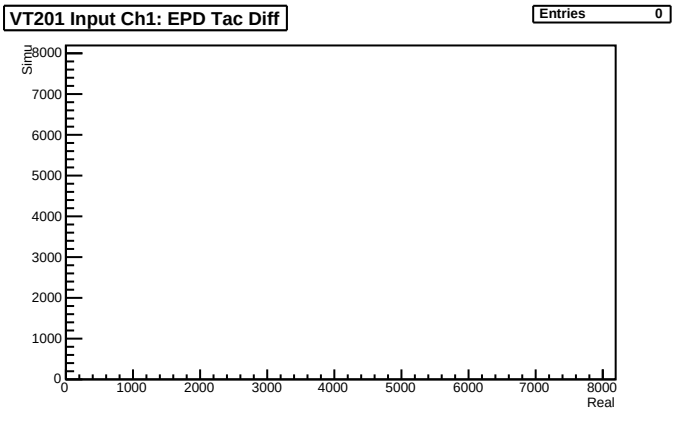

VT201 Input Ch0: BBC Small Tac Diff
Entries 310393
Tac

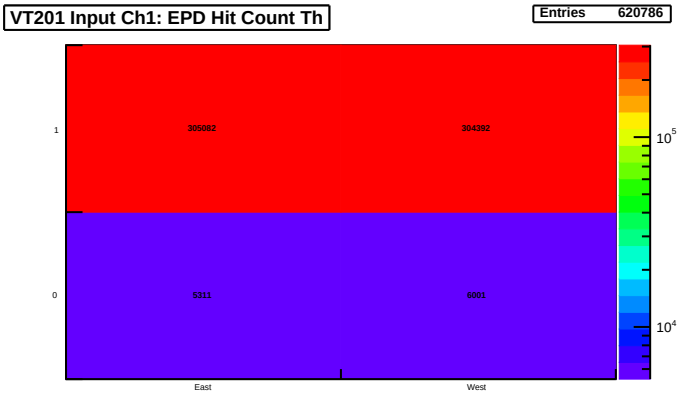

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

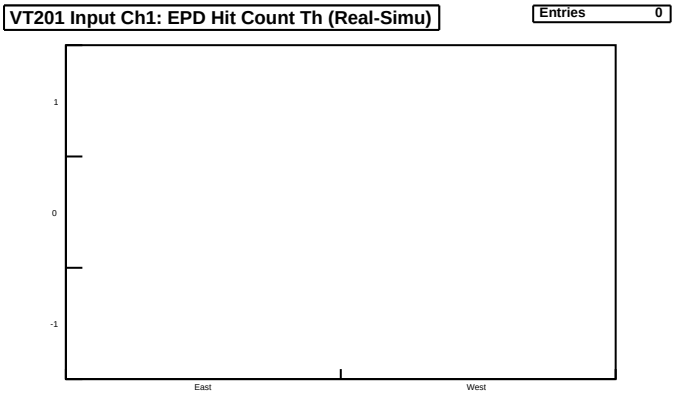

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 620786
240891
272432
69502
37961
East
West

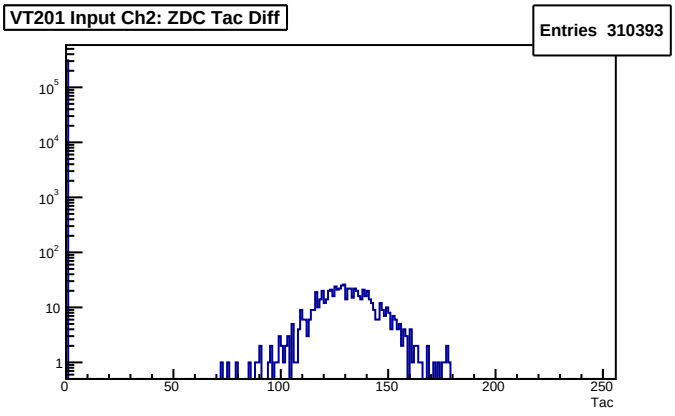

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

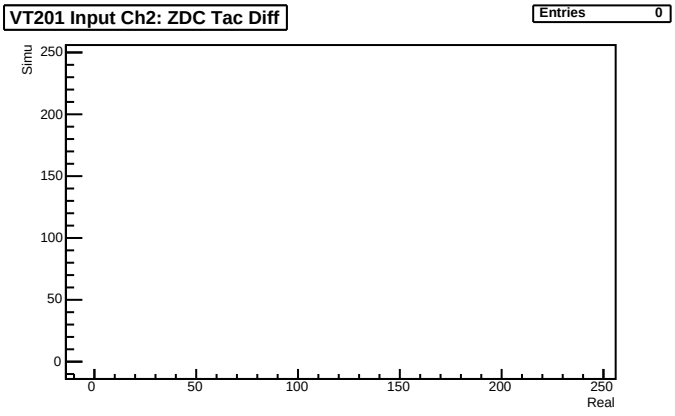

VT201 Input Ch1: EPD Tac Diff
Entries 310393
Tac

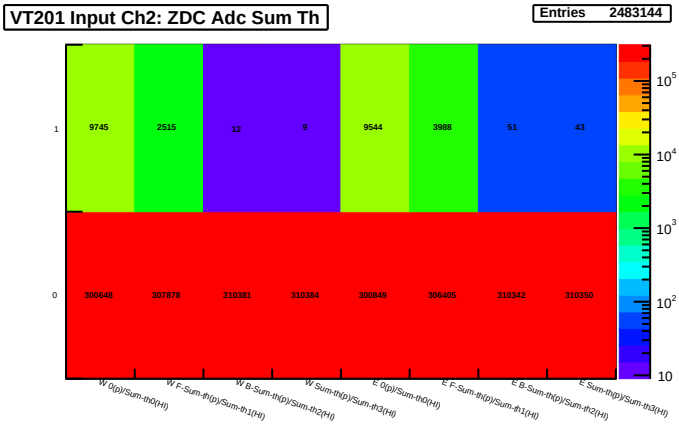

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

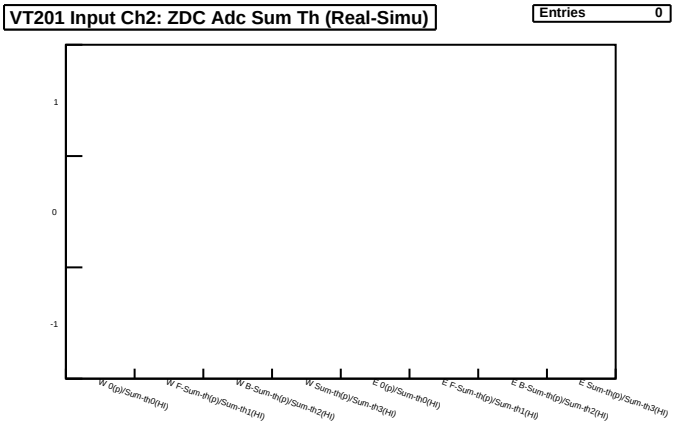

VT201 Input Ch1: EPD Hit Count Th
Entries 620786
305082
304392
5311
6001
East
West

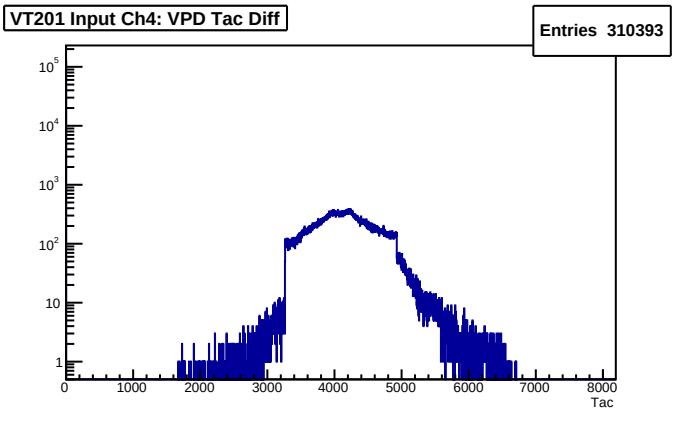

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

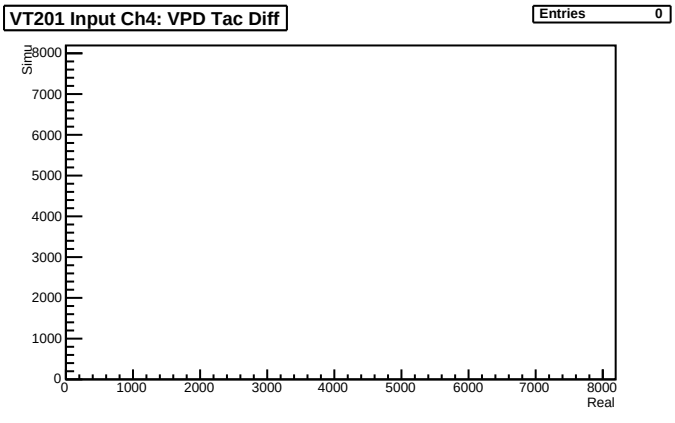

VT201 Input Ch2: ZDC Tac Diff
Entries 310393
Tac

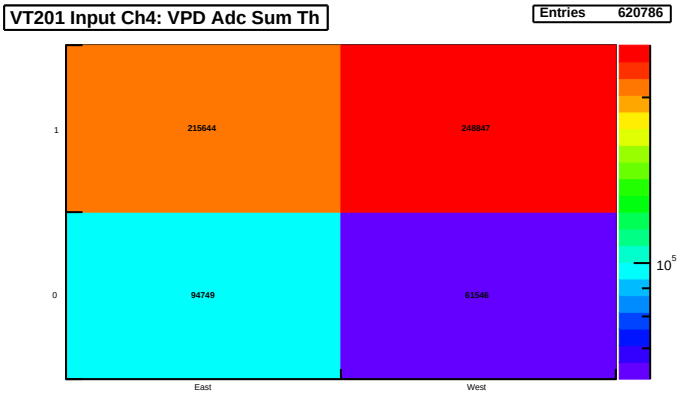

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

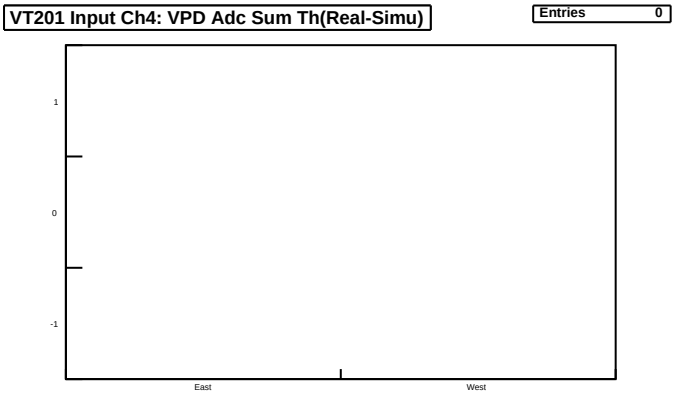

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2483144
9745
2515
12
9
9544
3988
51
43
300648
307878
310381
310384
300849
306405
310342
310350
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

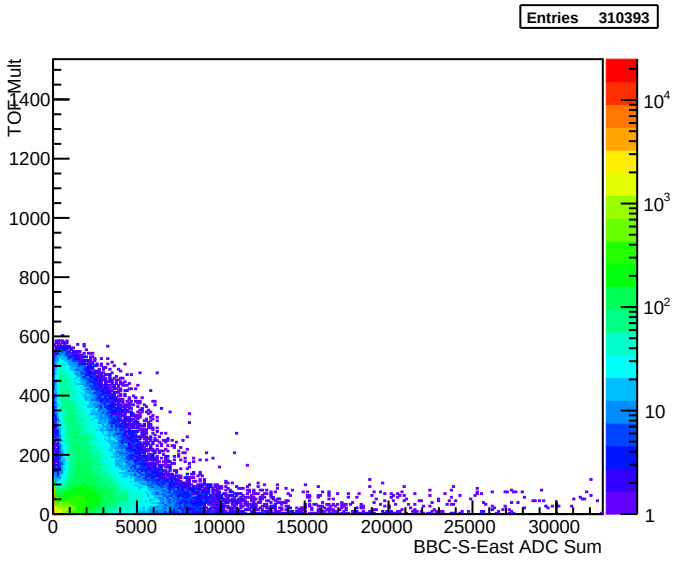

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

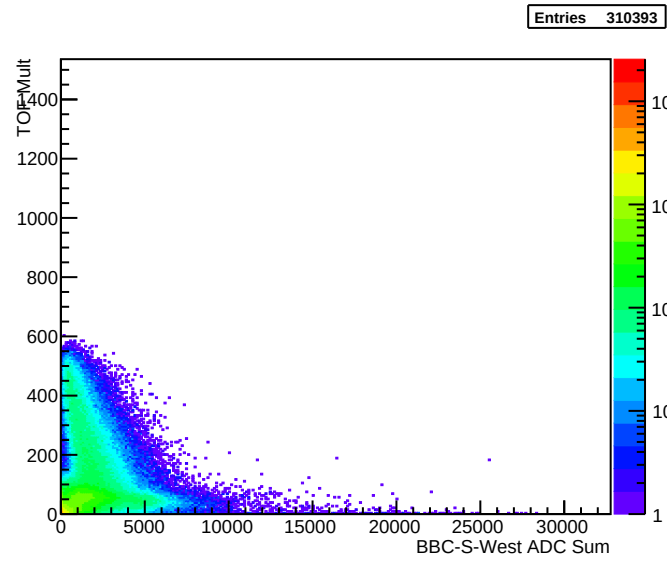

VT201 Input Ch4: VPD Tac Diff
Entries 310393
Tac

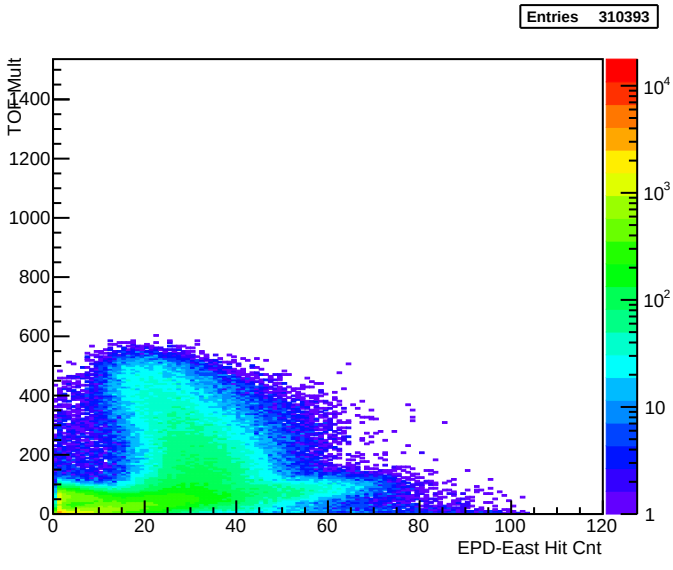

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

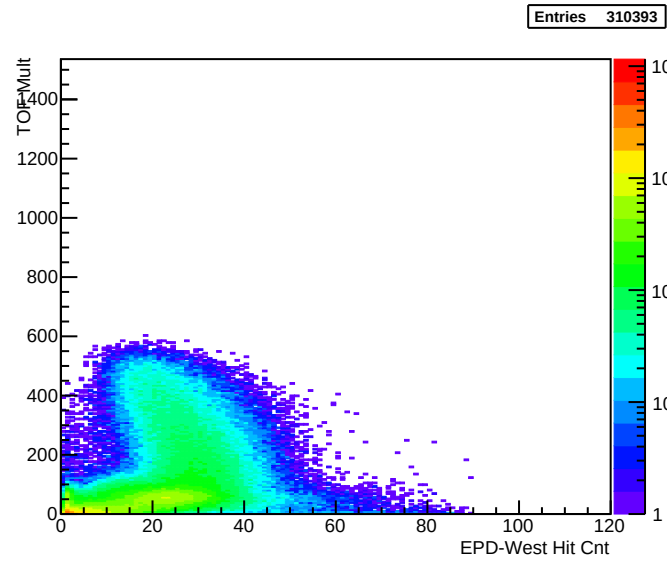

VT201 Input Ch4: VPD Adc Sum Th
Entries 620786
215644
248847
94749
61546
East
West

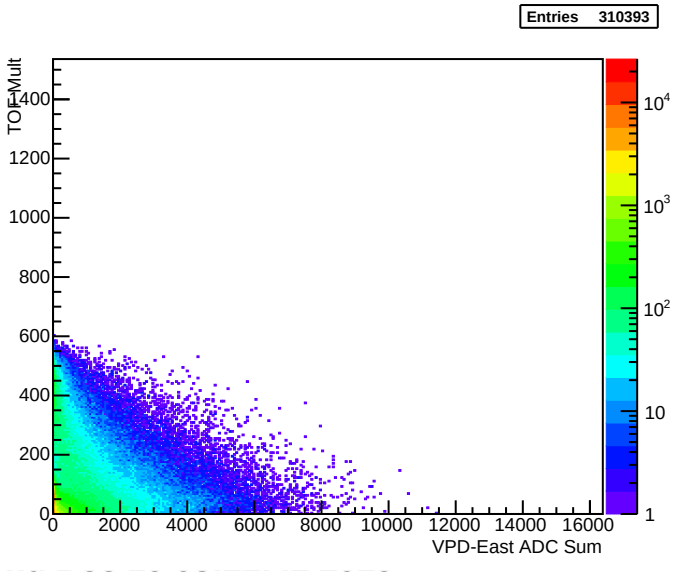

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

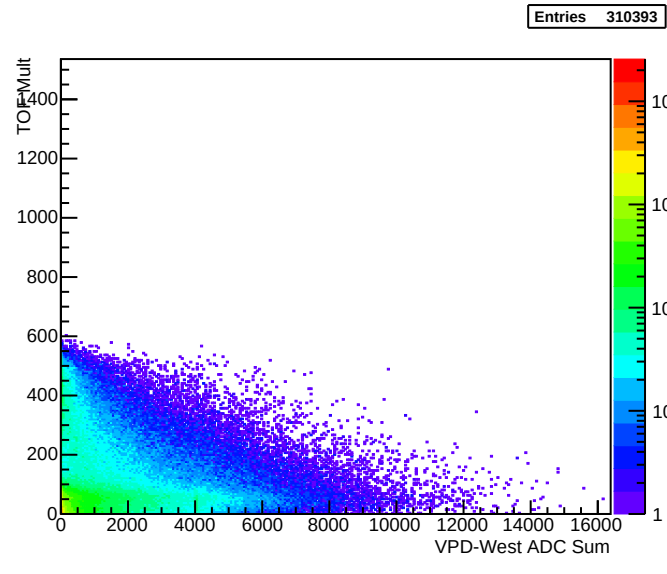

Entries 310393
TOF-Mult
BBC-S-East ADC Sum

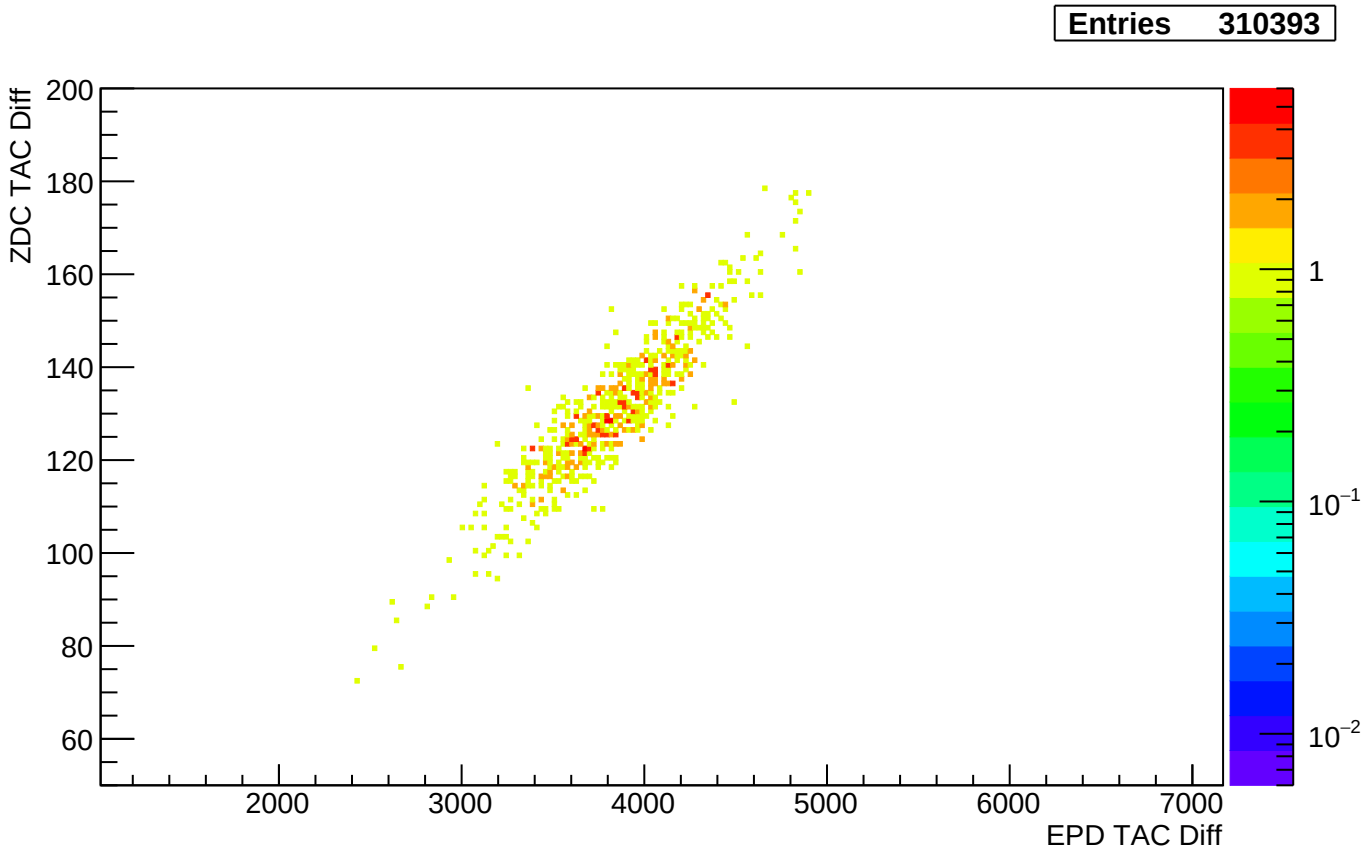

Entries 310393
TOF-Mult
BBC-S-West ADC Sum

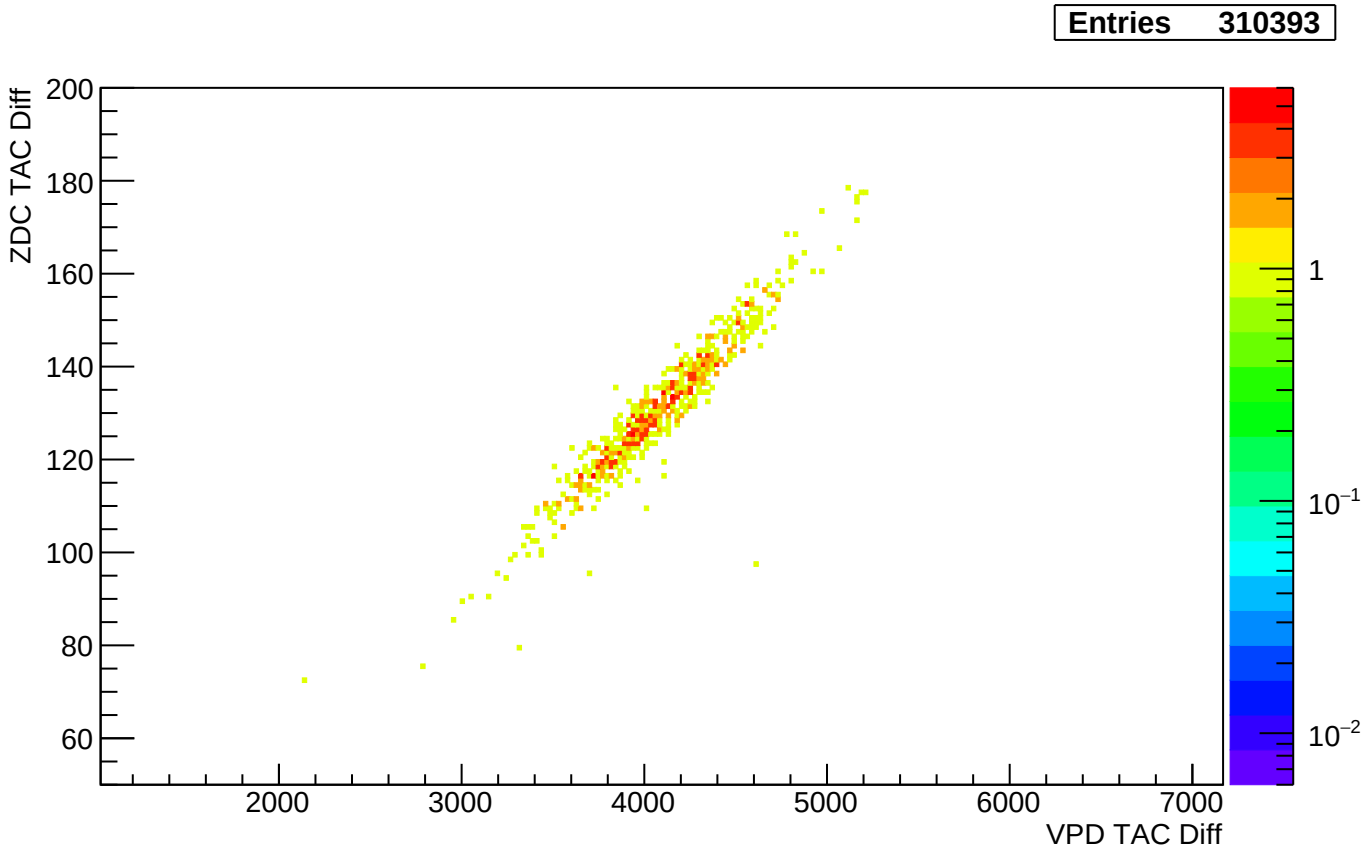

Entries 310393
TOF-Mult
EPD-East Hit Cnt

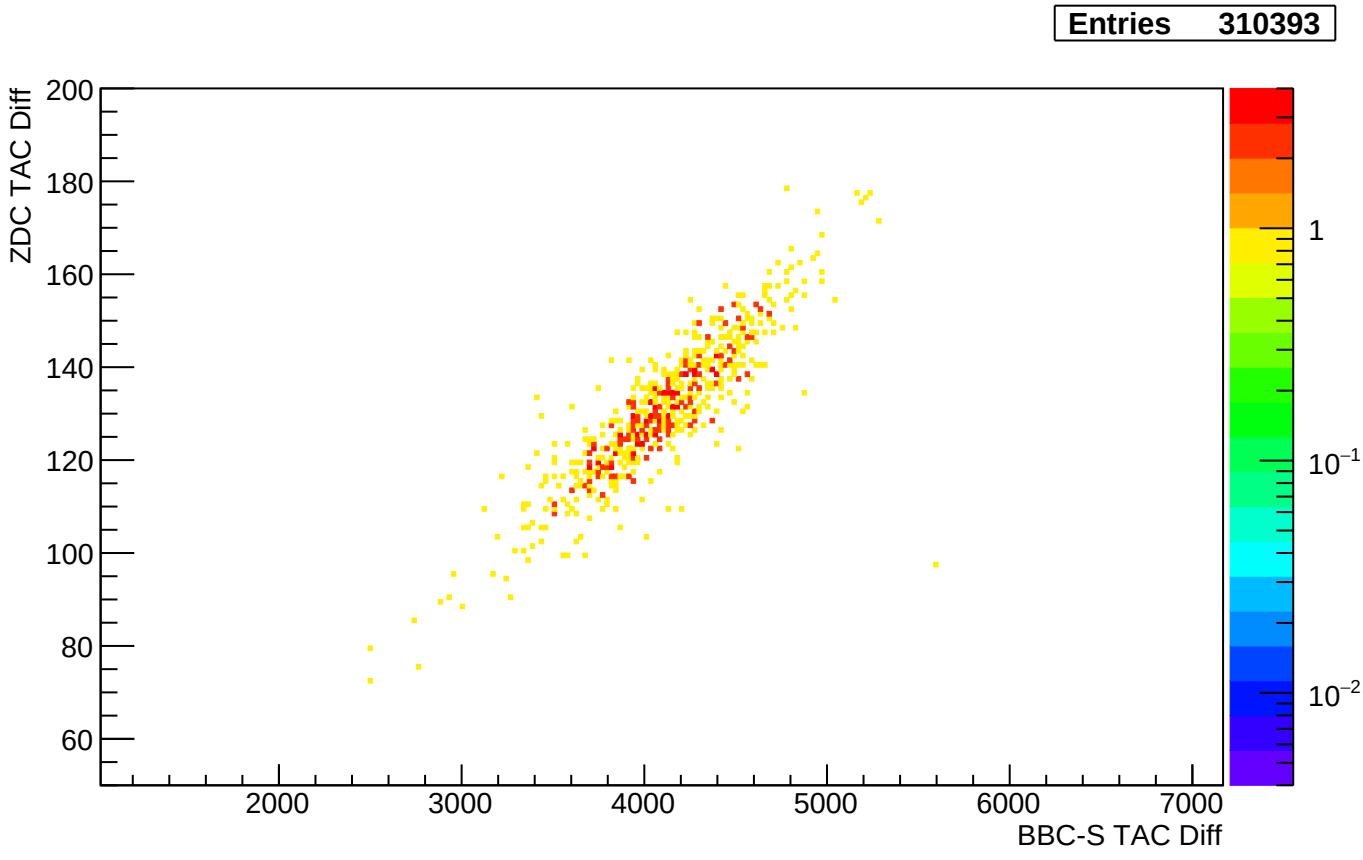

Entries 310393
TOF-Mult
EPD-West Hit Cnt

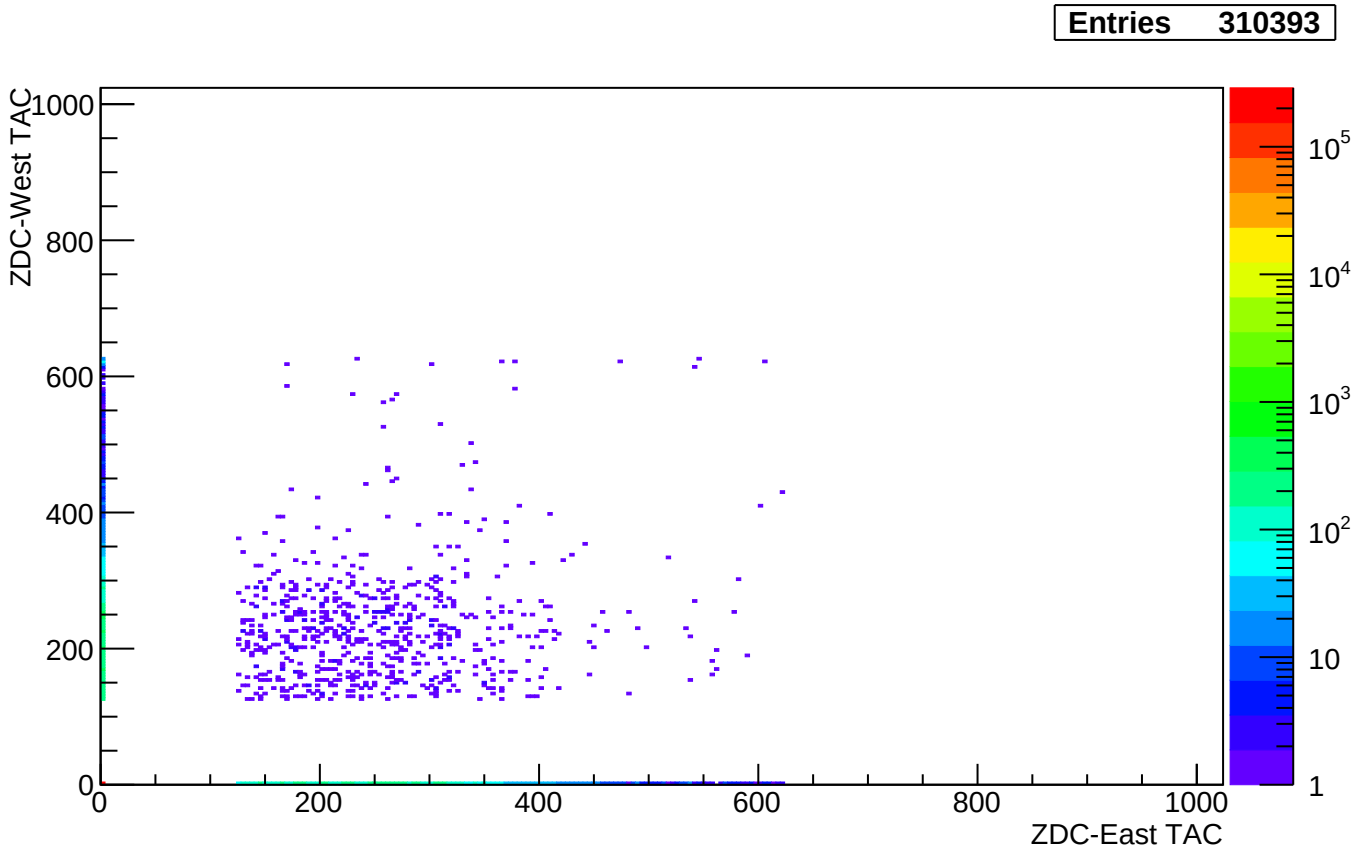

Entries 310393
TOF-Mult
VPD-East ADC Sum

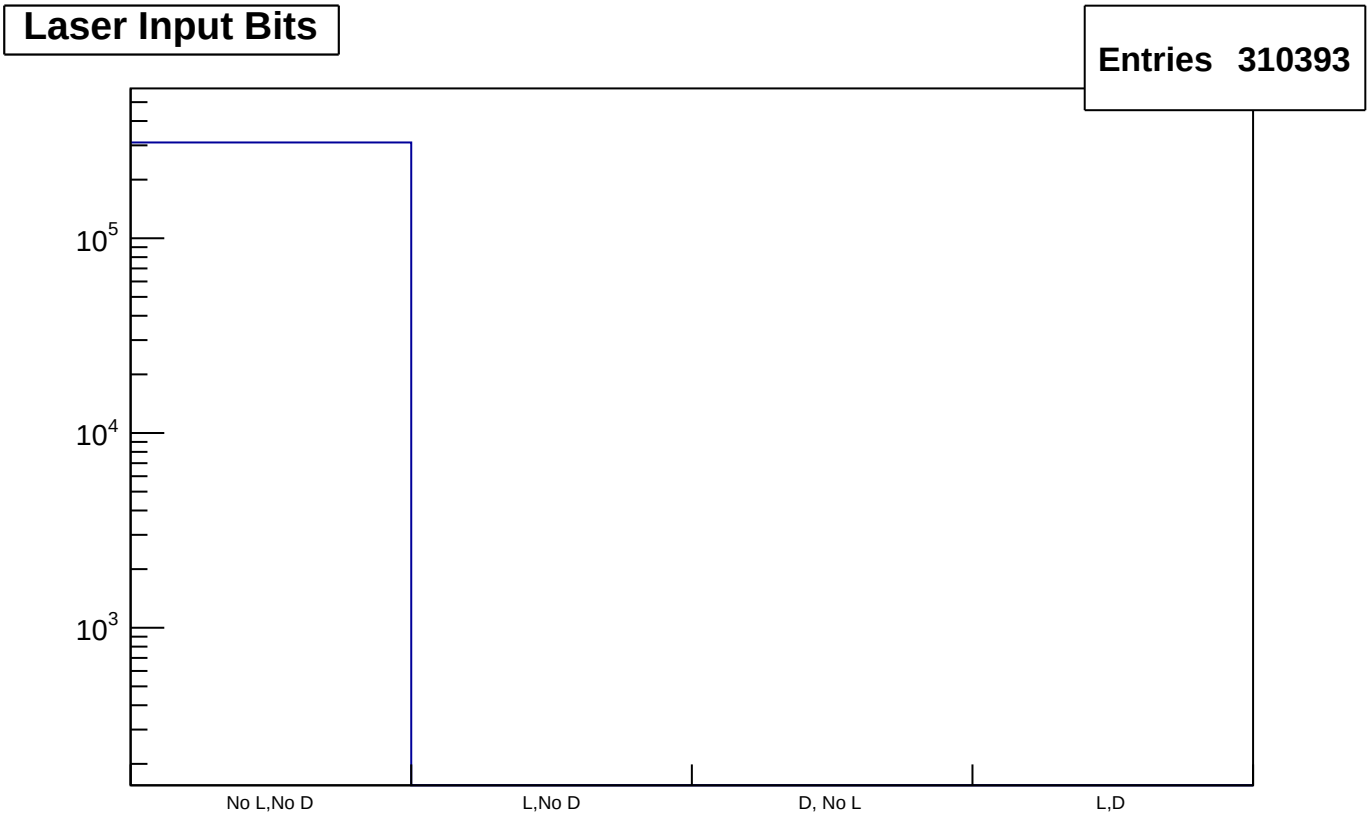

Entries 310393
TOF-Mult
VPD-West ADC Sum

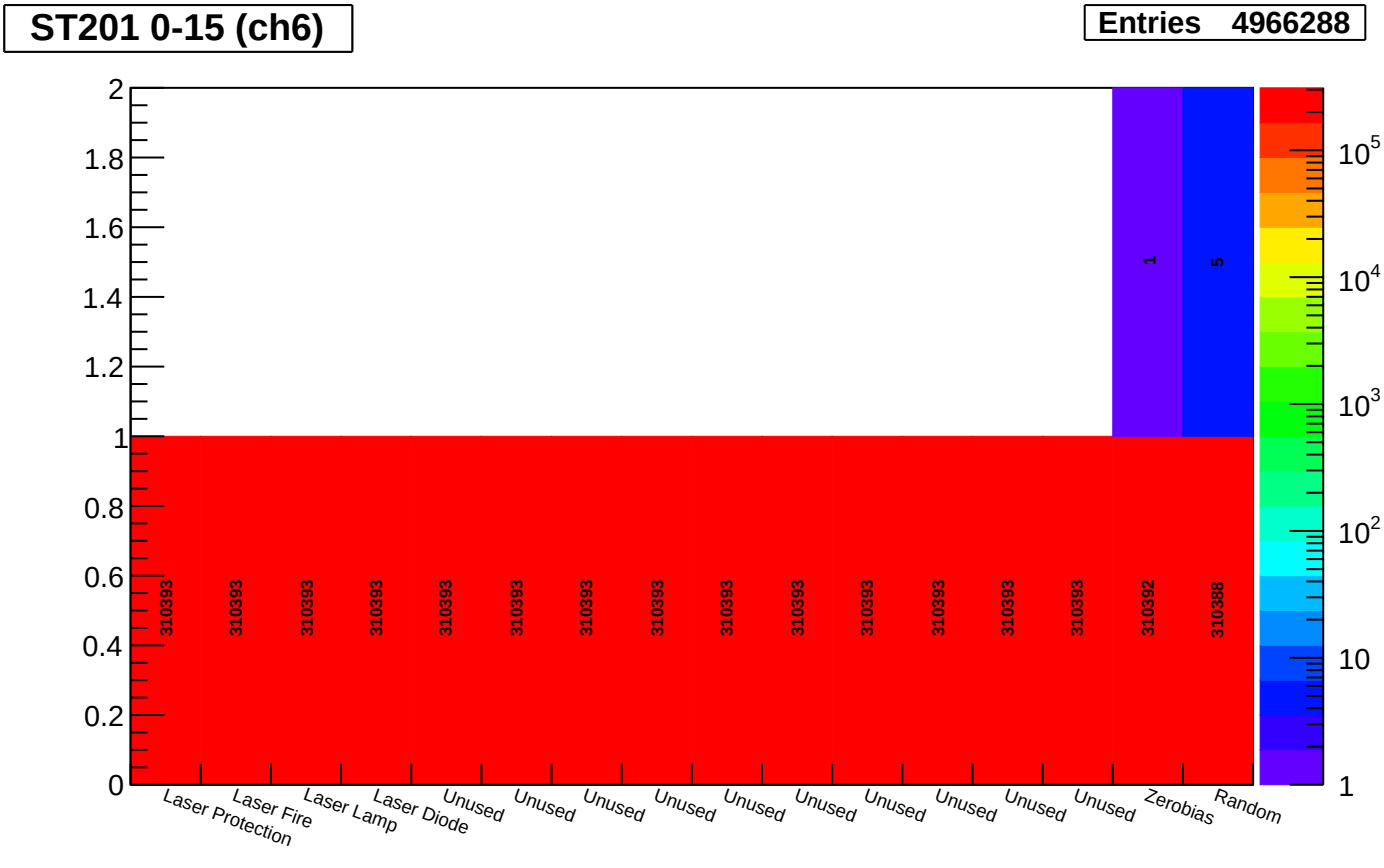

Entries 310393
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

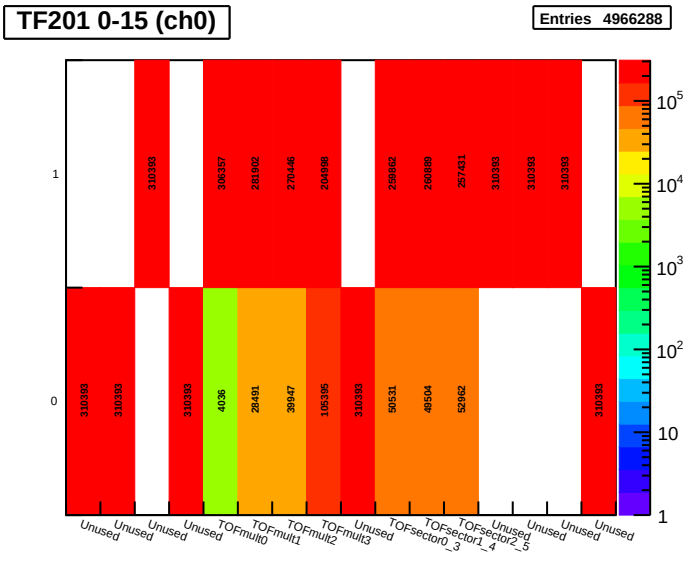

Entries 310393
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

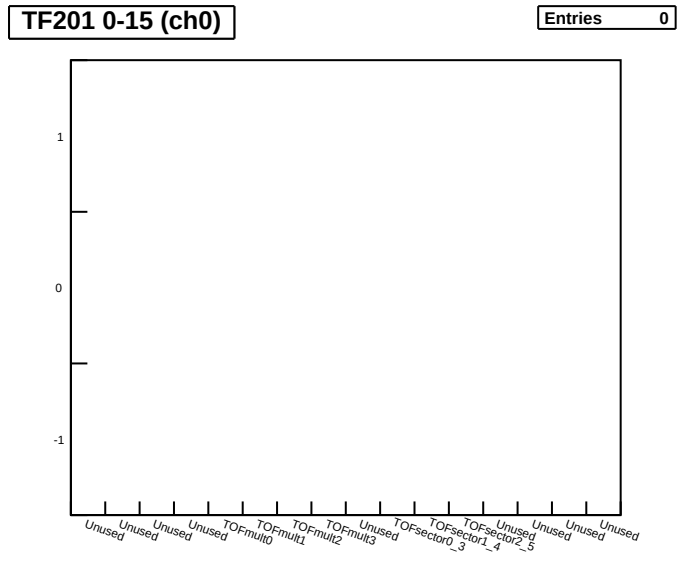

Entries 310393
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

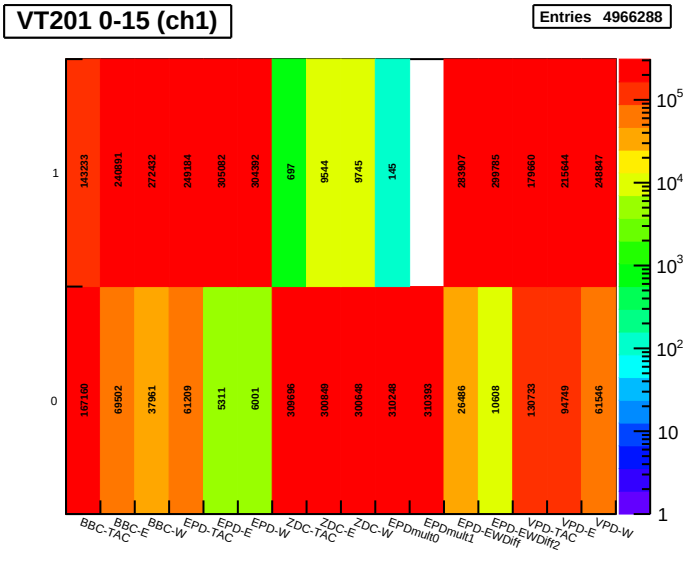

Entries 310393
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

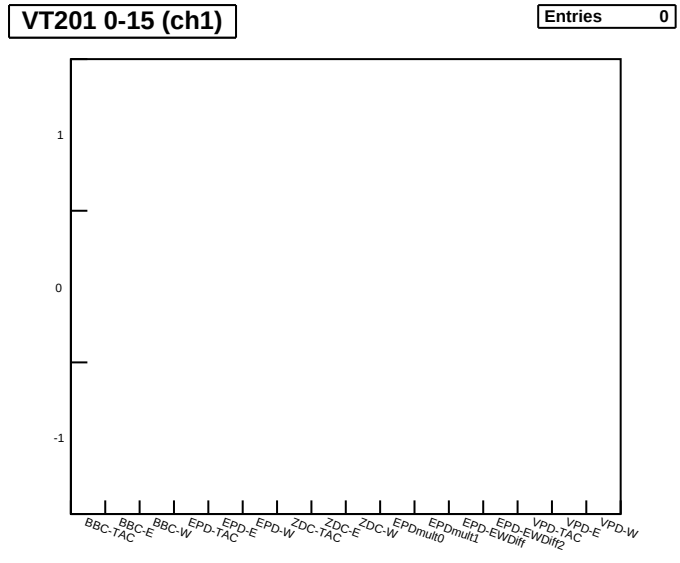

Laser Input Bits
Entries 310393
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

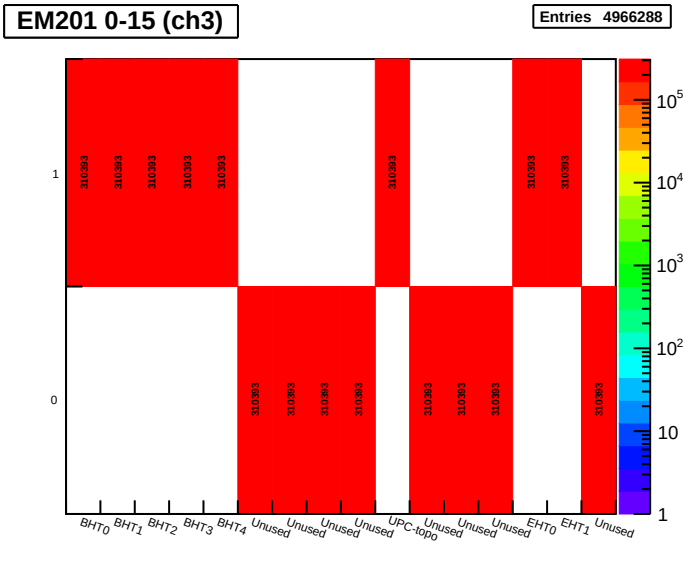

ST201 0-15 (ch6)
Entries 4966288
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
310393
310393
310393
310393
310393
310393
310393
310393
310393
310393
310393
310393
310393
310393
310392
310388
1
5
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

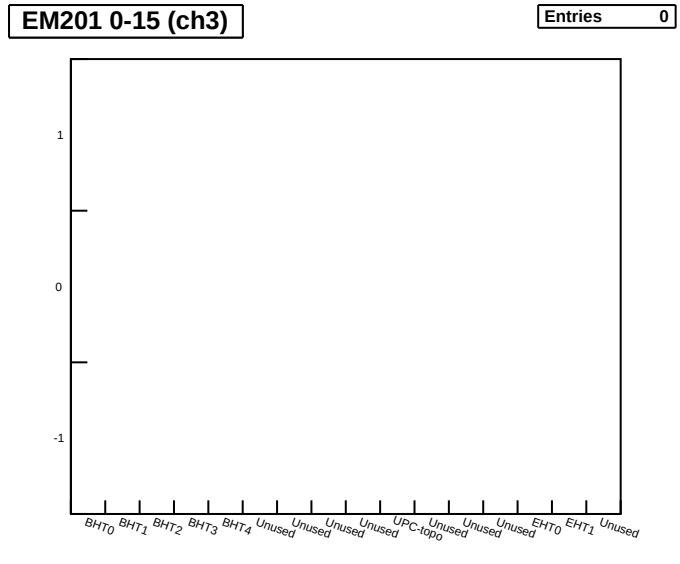

TF201 0-15 (ch0)
Entries 4966288
1
0
310393 306357 281902 270446 204998 259862 260889 257431 310393 310393 310393
310393 310393 310393 4036 29491 39947 105395 310393 50531 49504 52962 310393
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 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 4966288
1
0
143233 240891 272452 249184 305082 304392 697 9544 9745 145 283907 299785 179660 215644 248847
167160 69502 37961 61209 5311 6001 308696 300849 300648 310248 310393 26486 10608 130733 94749 61546
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 4966288
1
0
310393 310393 310393 310393 310393 310393 310393 310393
310393 310393 310393 310393 310393 310393 310393 310393
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