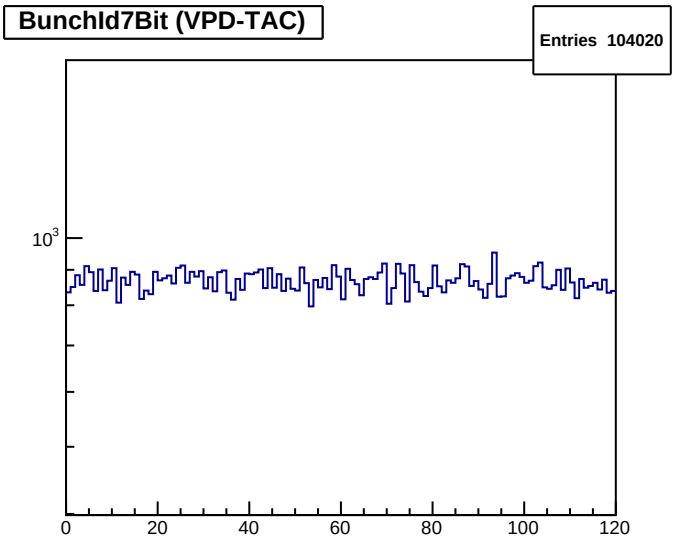
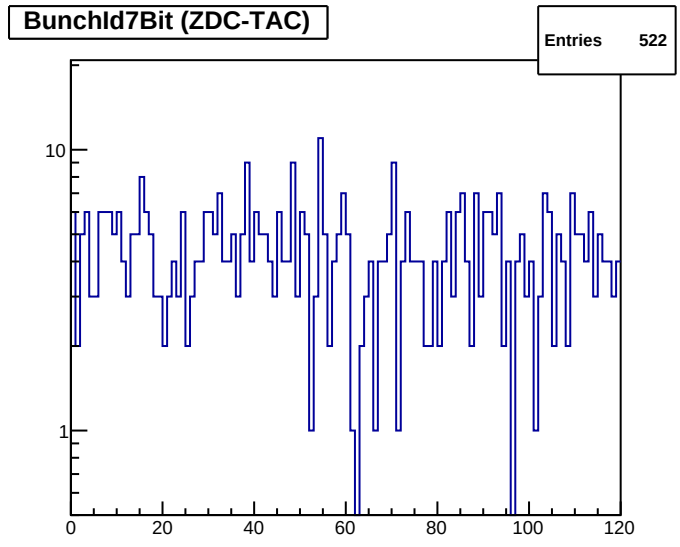
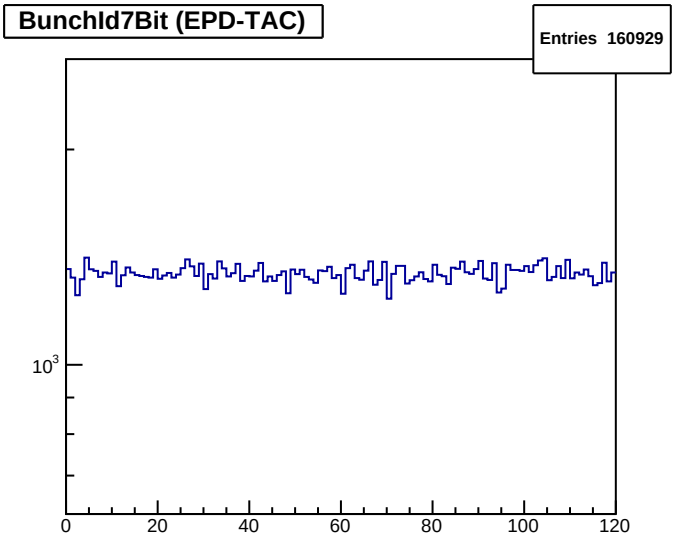
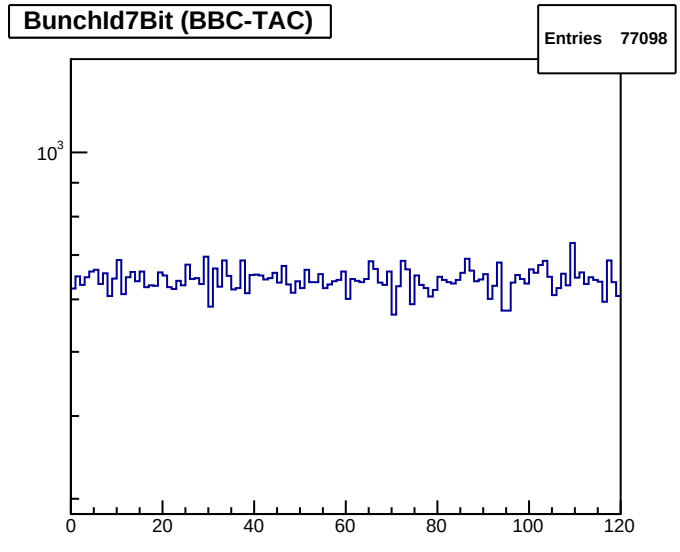
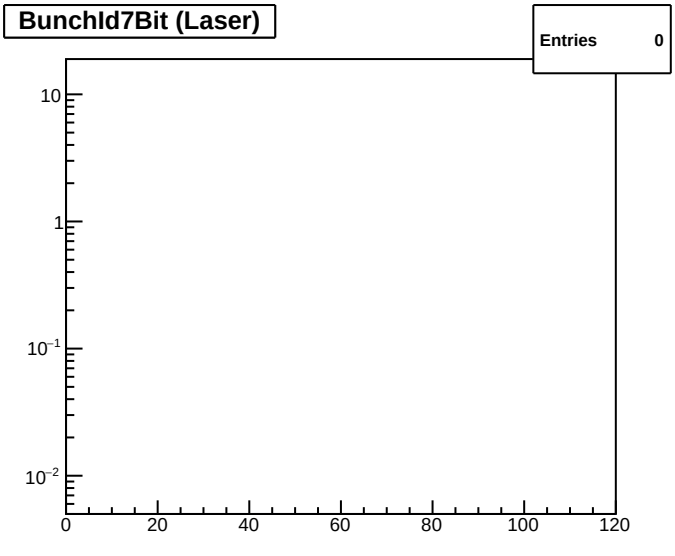
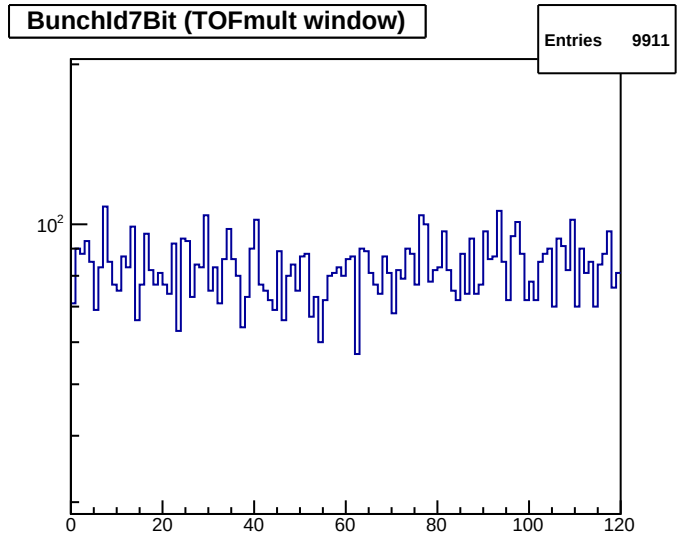

BunchId7Bit (VPD-TAC)
Entries 104020
10^3
0 20 40 60 80 100 120

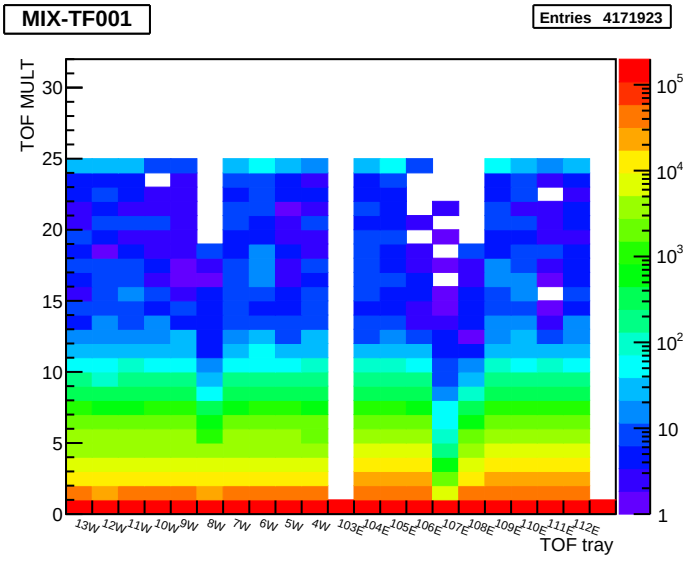

BunchId7Bit (ZDC-TAC)
Entries 522
10
1
0 20 40 60 80 100 120

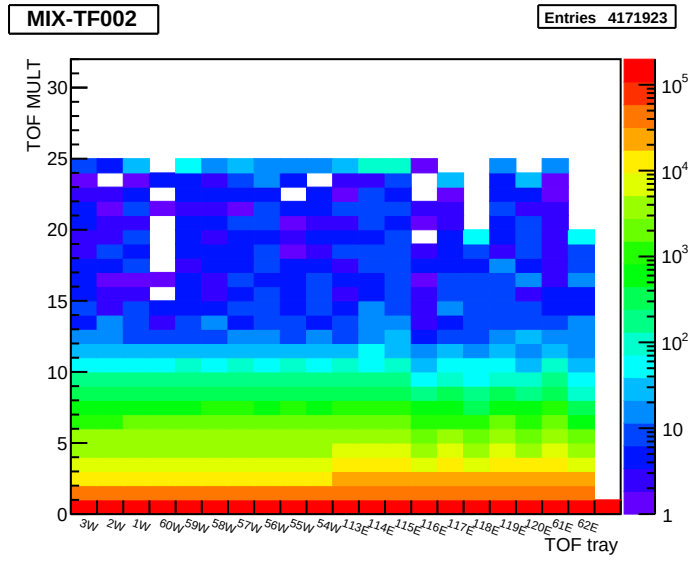

BunchId7Bit (EPD-TAC)
Entries 160929
10^3
0 20 40 60 80 100 120

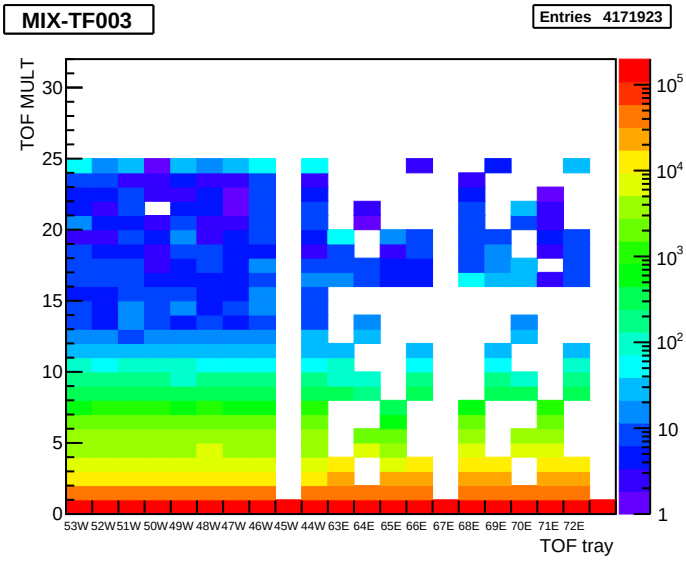

BunchId7Bit (BBC-TAC)
Entries 77098
10^3
0 20 40 60 80 100 120

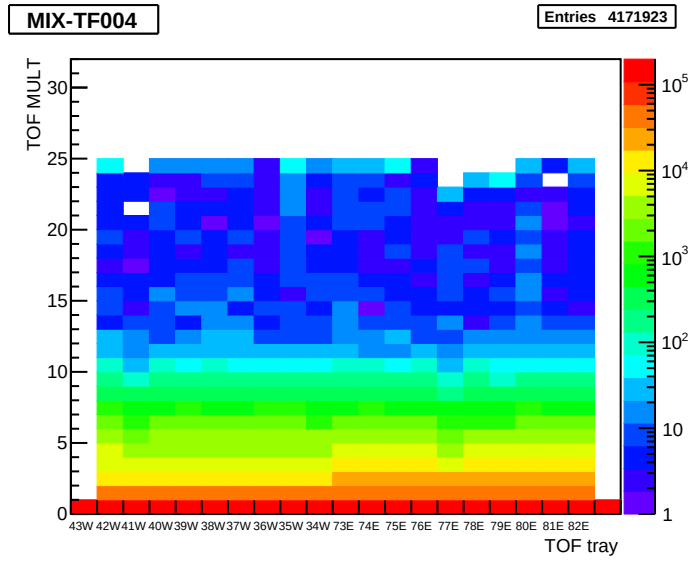

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

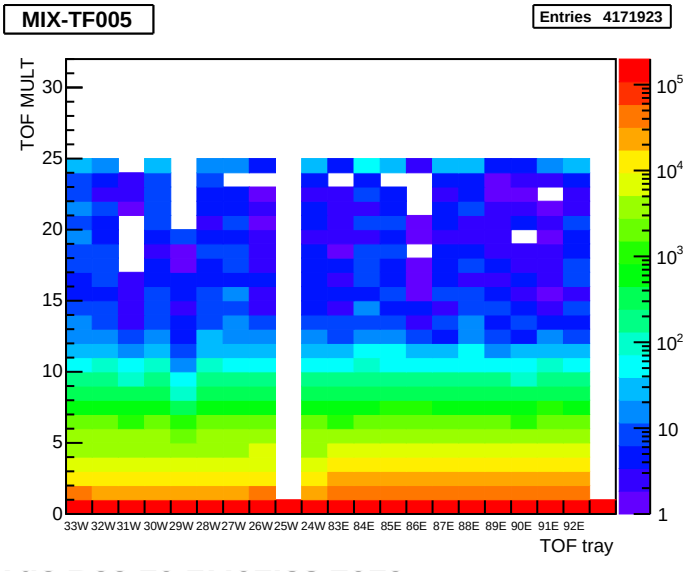

BunchId7Bit (TOFmult window)
Entries 9911
10^2
0 20 40 60 80 100 120

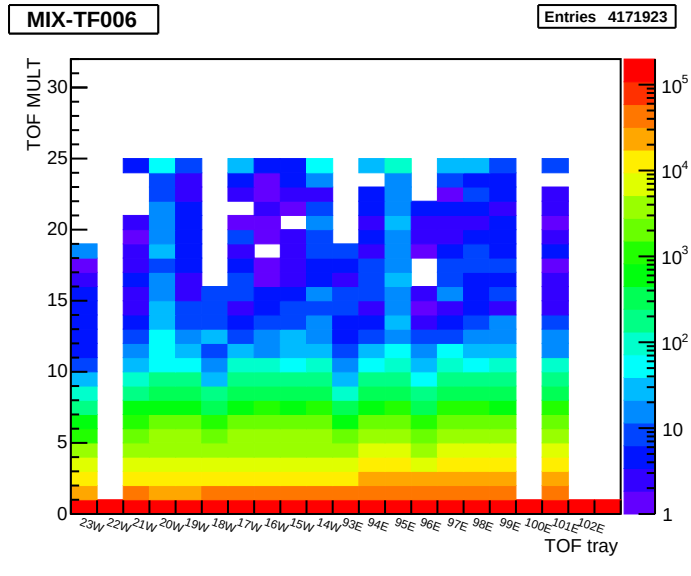

MIX-TF001
Entries 4171923
TOF MULT
TOF tray

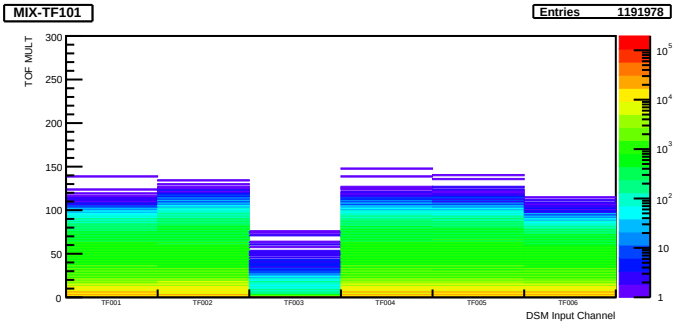

MIX-TF002
Entries 4171923
TOF MULT
TOF tray

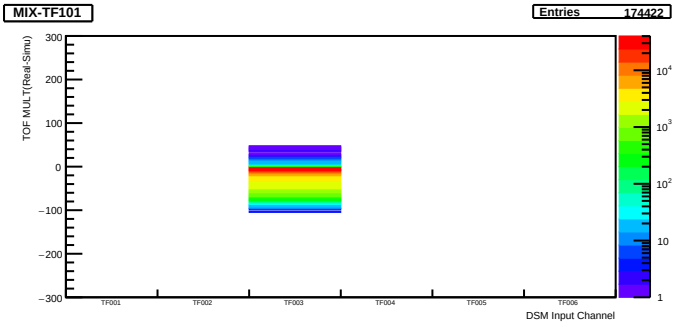

MIX-TF003
Entries 4171923
TOF MULT
TOF tray

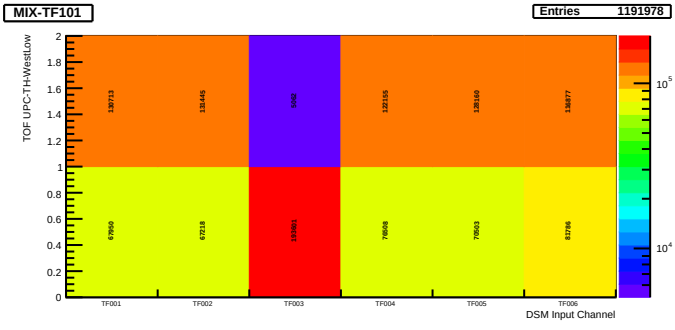

MIX-TF004
Entries 4171923
TOF MULT
TOF tray

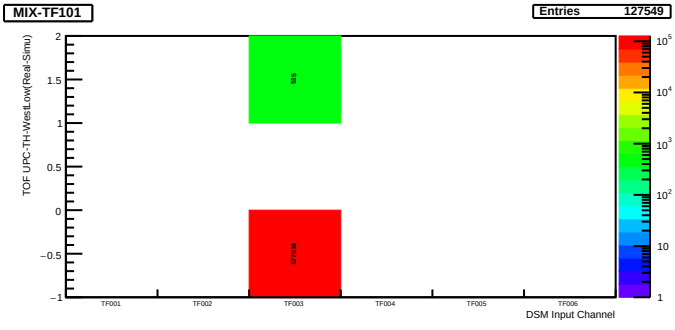

MIX-TF005
Entries 4171923
TOF MULT
TOF tray

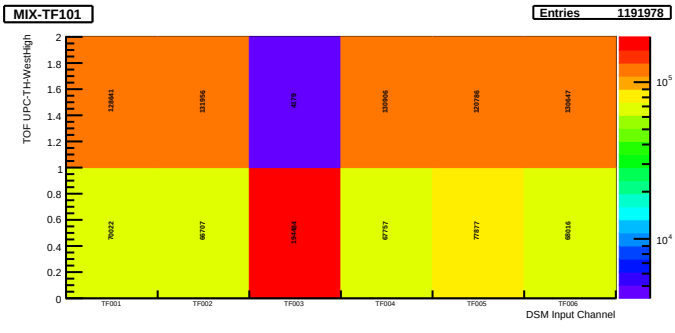

MIX-TF006
Entries 4171923
TOF MULT
TOF tray

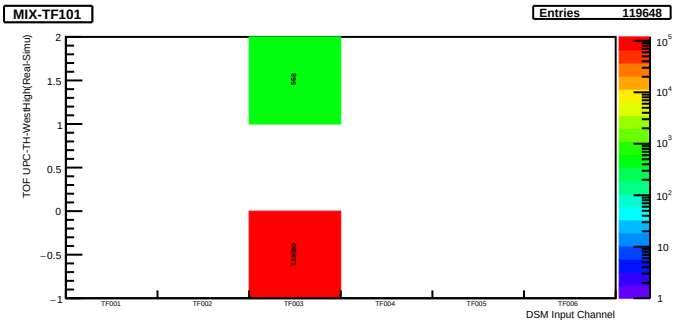

MIX-TF101
Entries 1191978
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

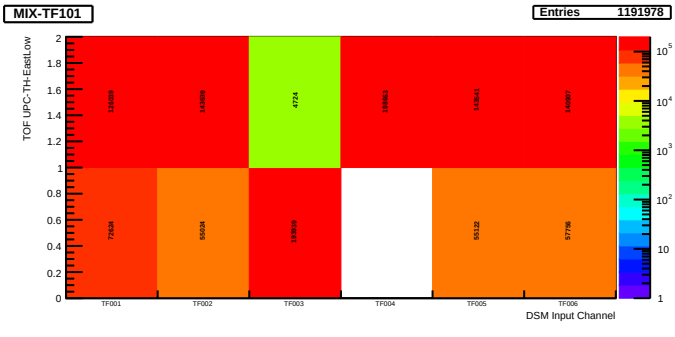

MIX-TF101
Entries 174422
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

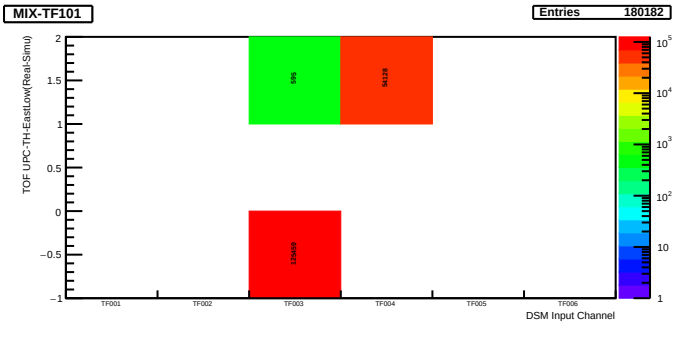

MIX-TF101
Entries 1191978
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

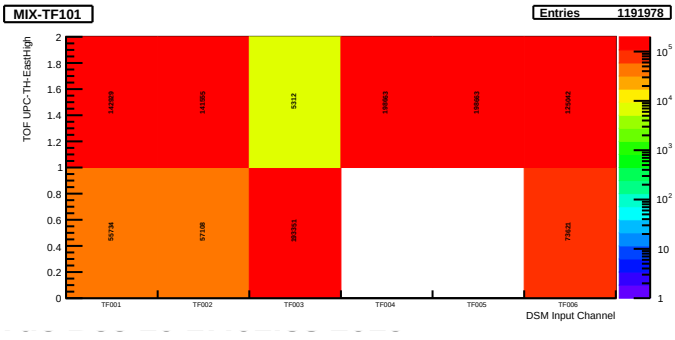

MIX-TF101
Entries 127549
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

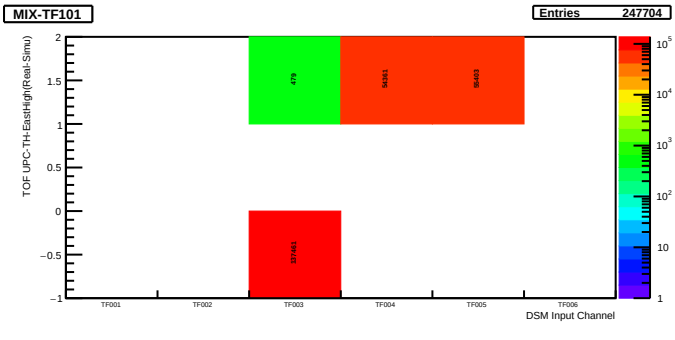

MIX-TF101
Entries 1191978
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

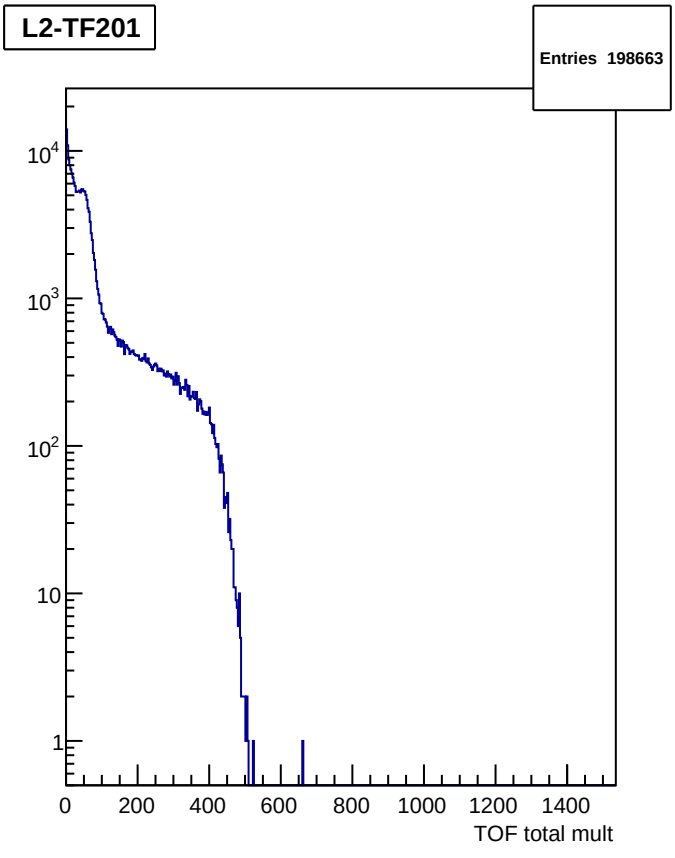

MIX-TF101
Entries 119648
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

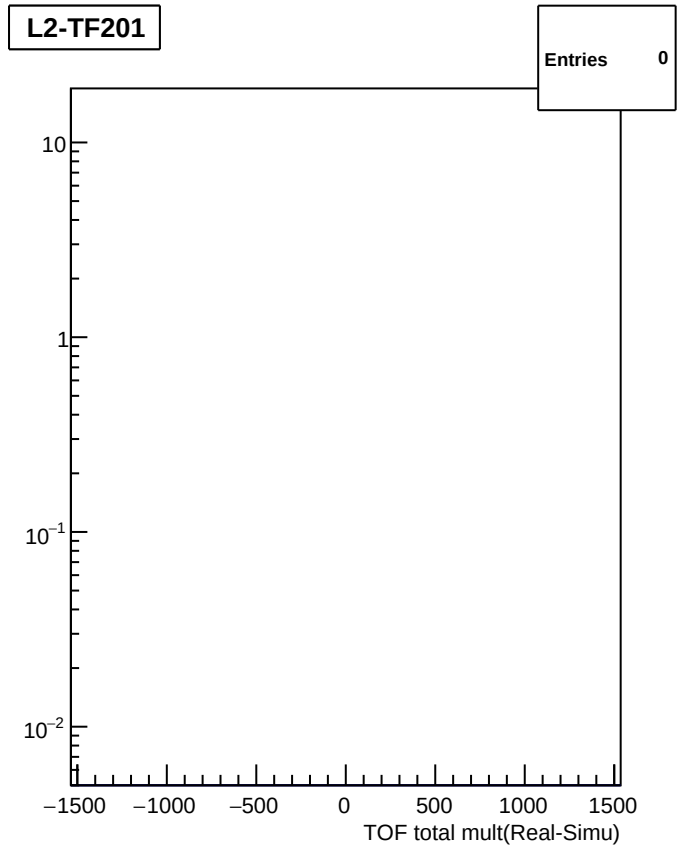

MIX-TF101
Entries 1191978
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

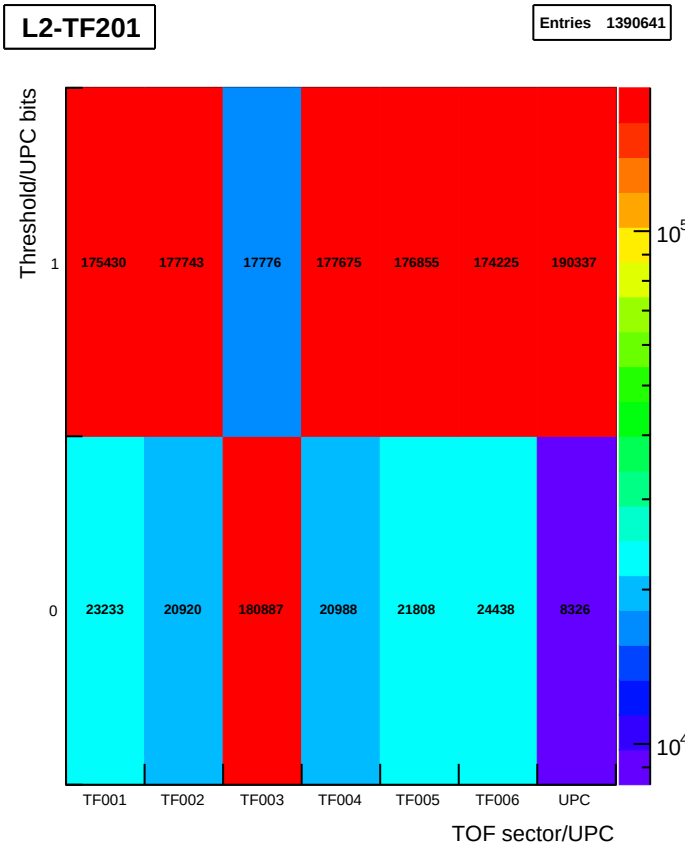

MIX-TF101
Entries 180182
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

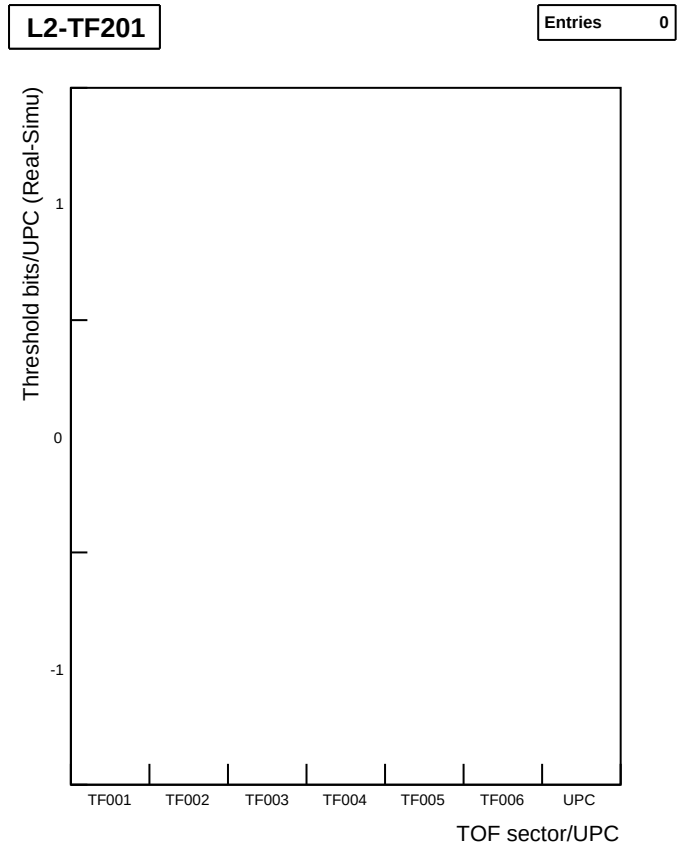

MIX-TF101
Entries 1191978
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

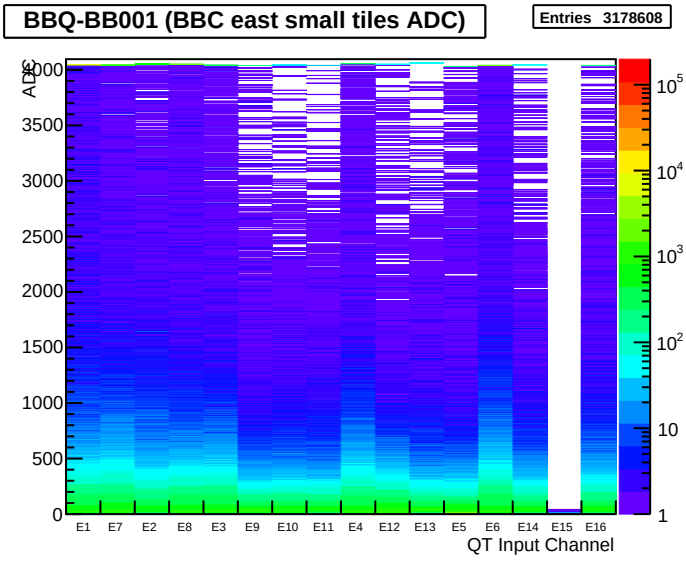

MIX-TF101
Entries 247704
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

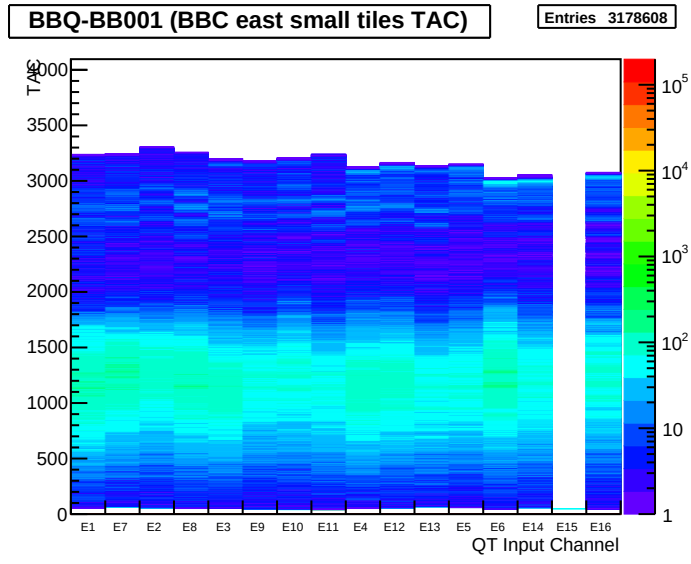

L2-TF201
Entries 198663
TOF total mult

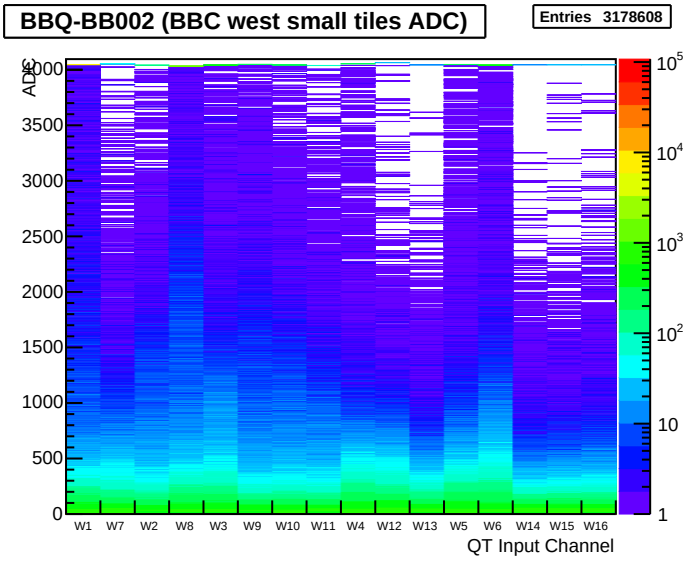

L2-TF201
Entries 0
TOF total mult(Real-Simu)

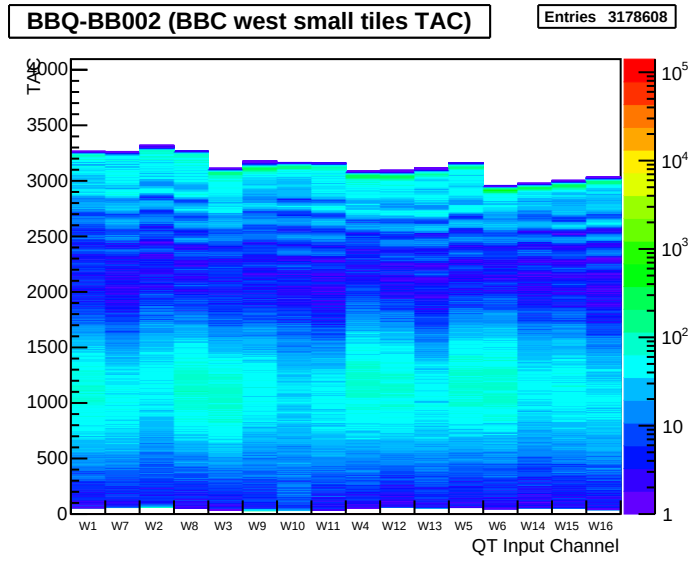

L2-TF201
Entries 1390641
Threshold/UPC bits
175430
177743
17776
177675
176855
174225
190337
23233
20920
180887
20988
21808
24438
8326
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

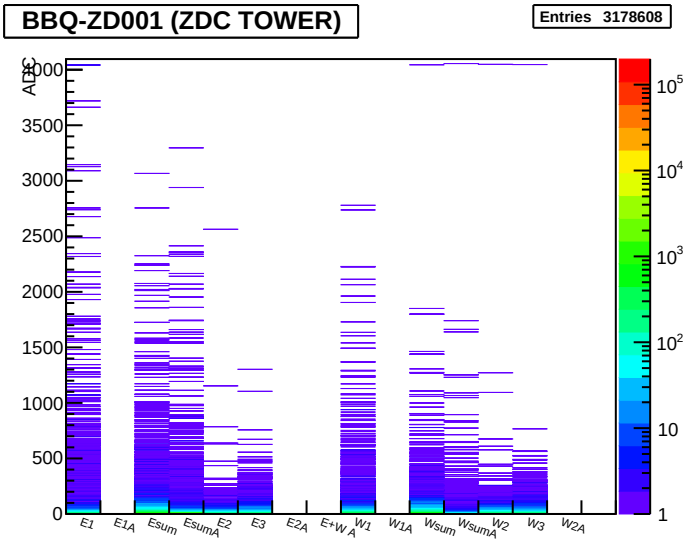

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

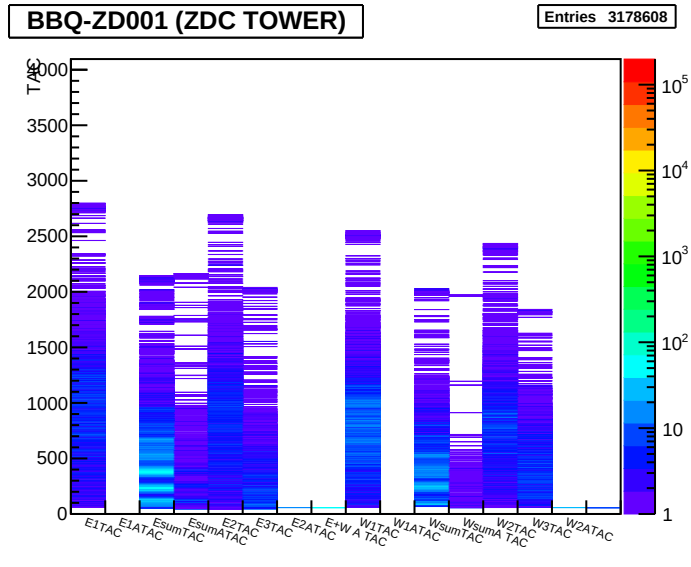

BBQ-BB001 (BBC east small tiles ADC)
Entries 3178608
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

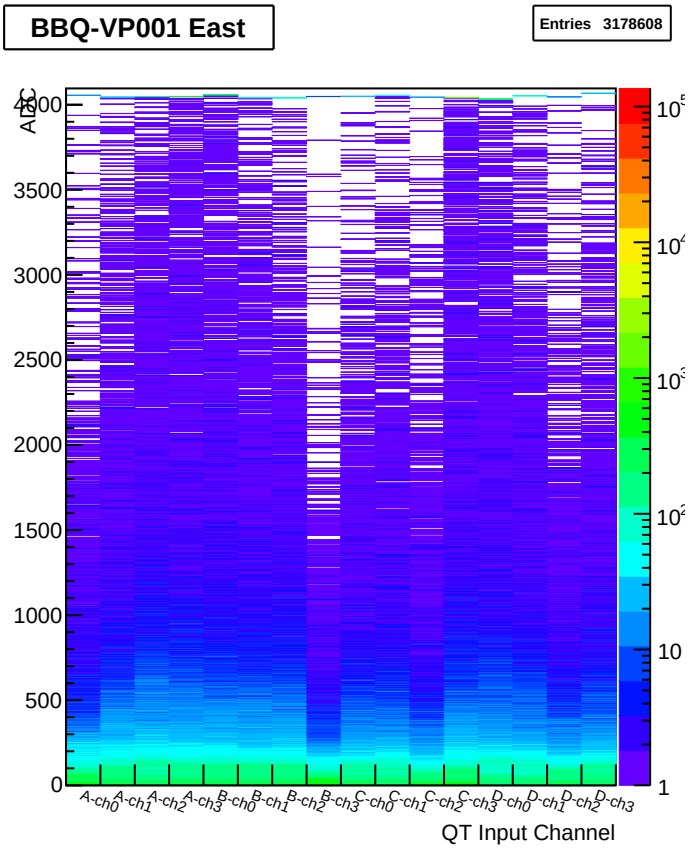

BBQ-BB001 (BBC east small tiles TAC)
Entries 3178608
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

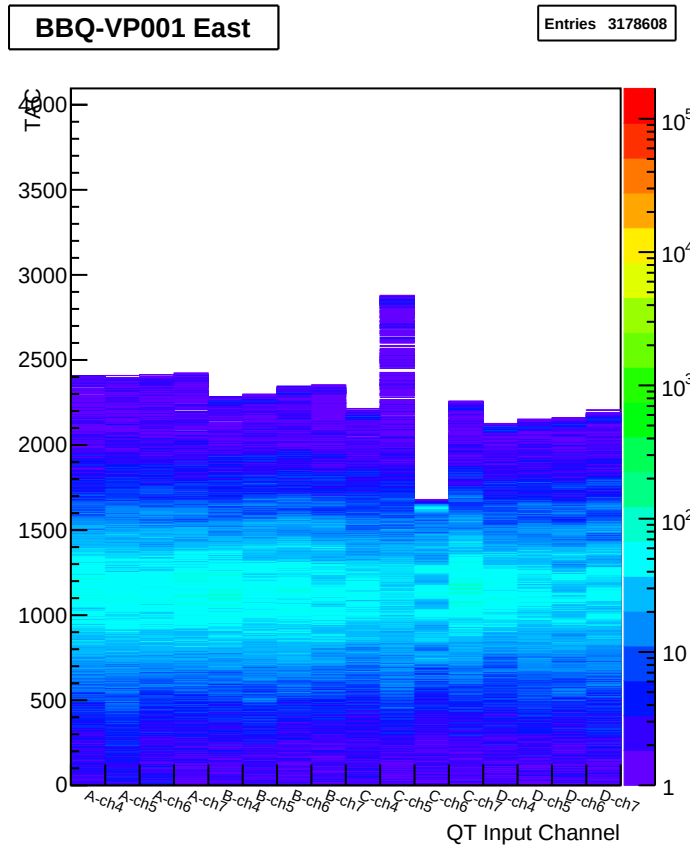

BBQ-BB002 (BBC west small tiles ADC)
Entries 3178608
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

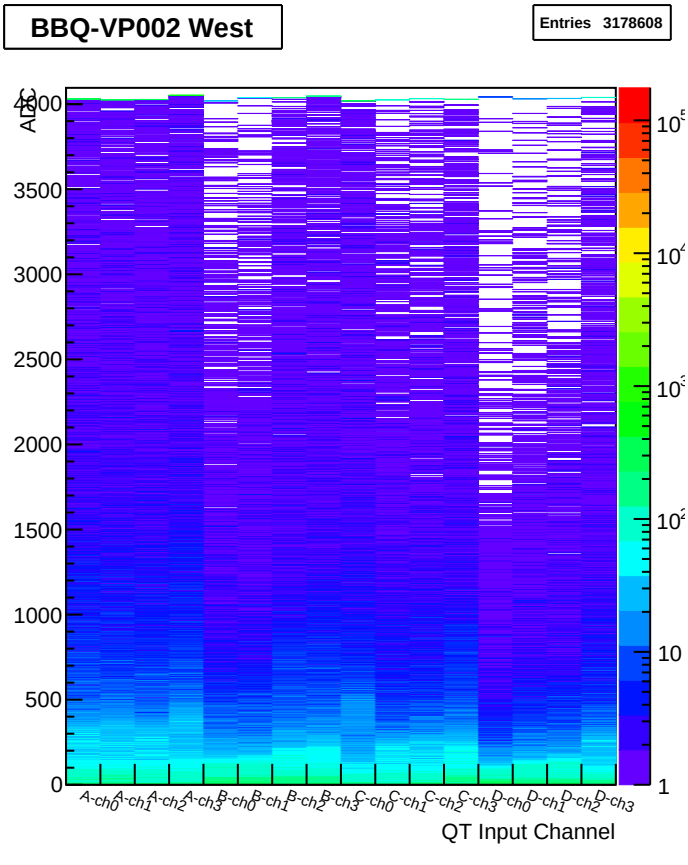

BBQ-BB002 (BBC west small tiles TAC)
Entries 3178608
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

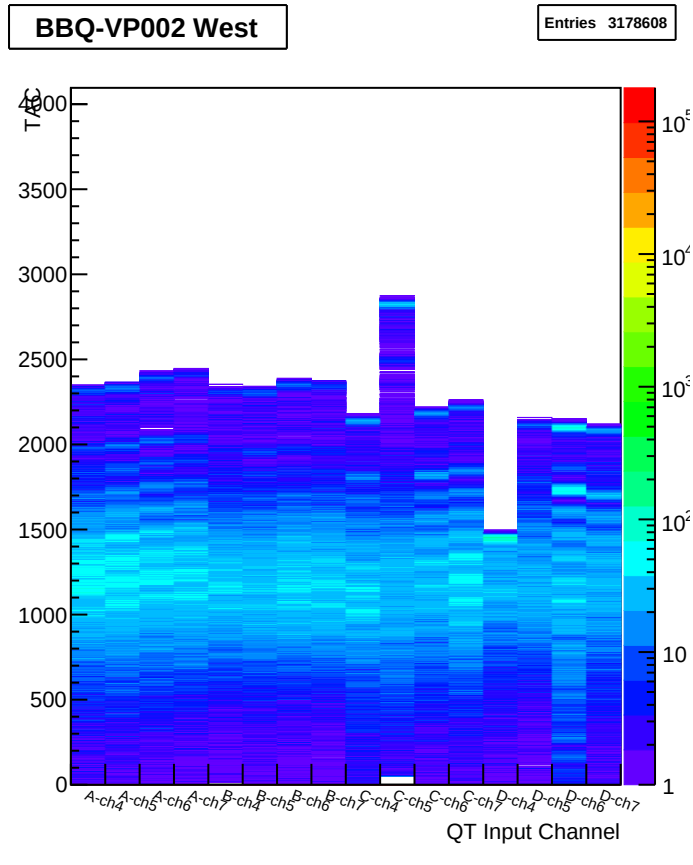

BBQ-ZD001 (ZDC TOWER)
Entries 3178608
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

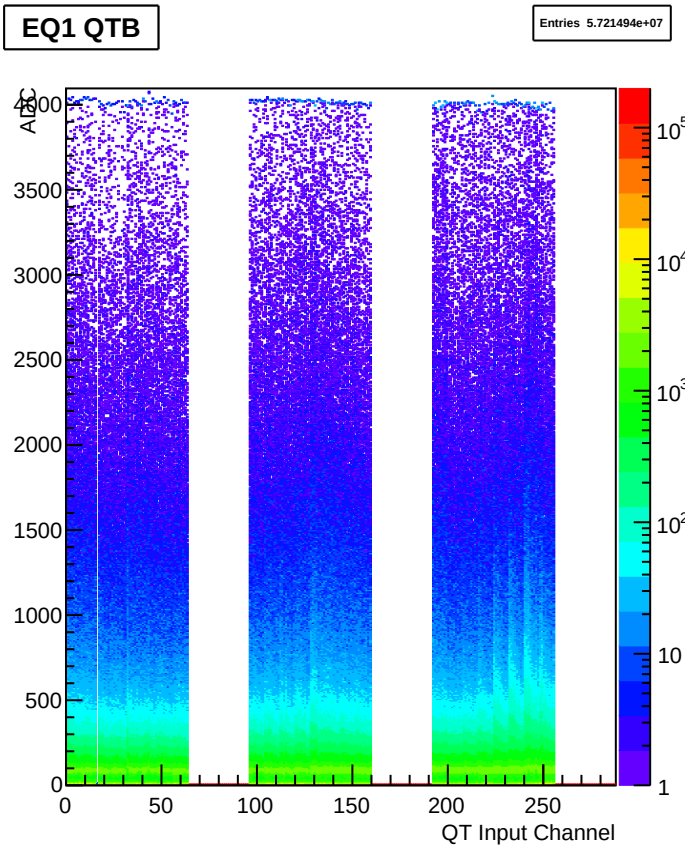

BBQ-ZD001 (ZDC TOWER)
Entries 3178608
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

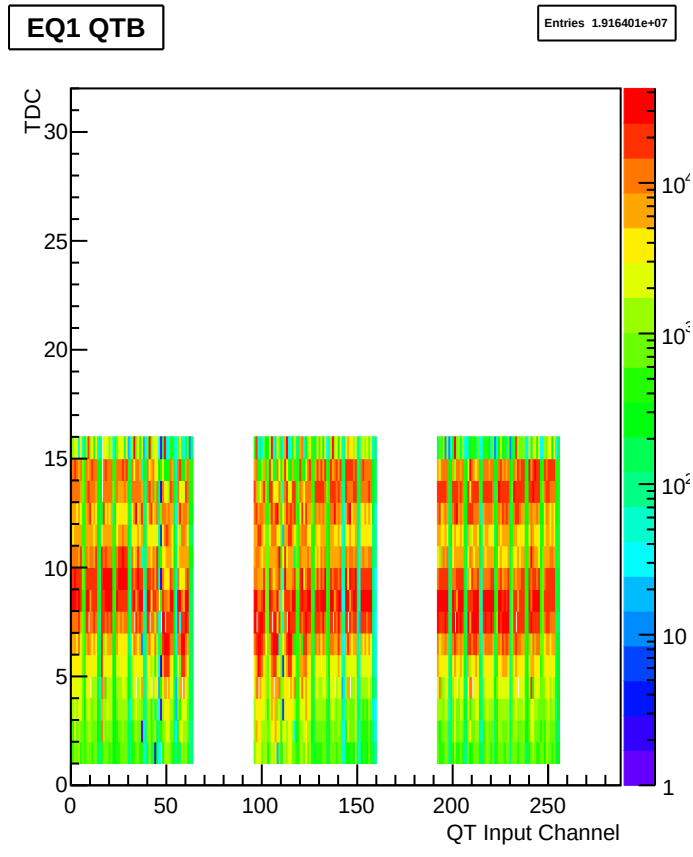

BBQ-VP001 East
Entries 3178608
ADC
QT Input Channel

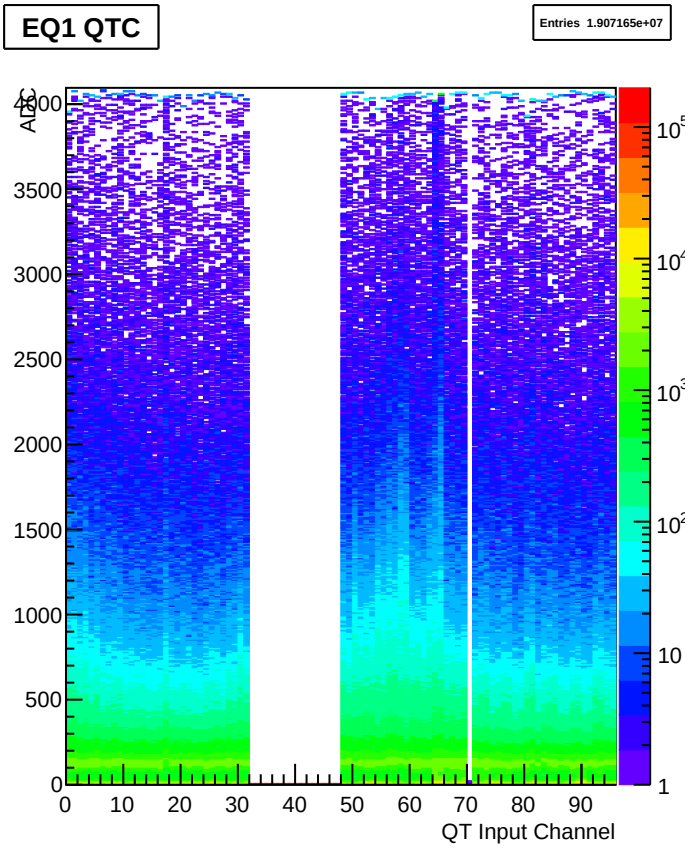

BBQ-VP001 East
Entries 3178608
TADC
QT Input Channel

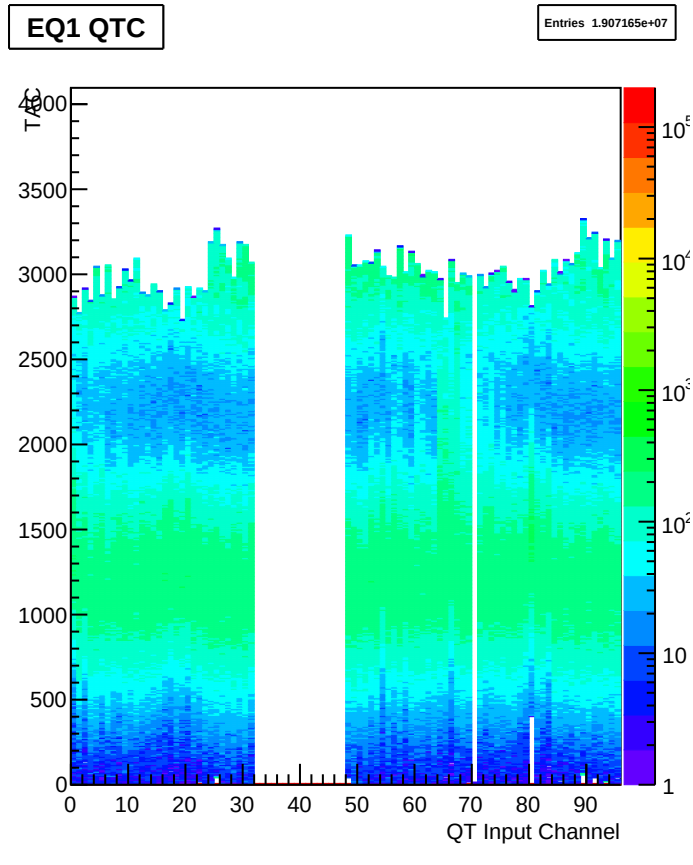

BBQ-VP002 West
Entries 3178608
ADC
QT Input Channel

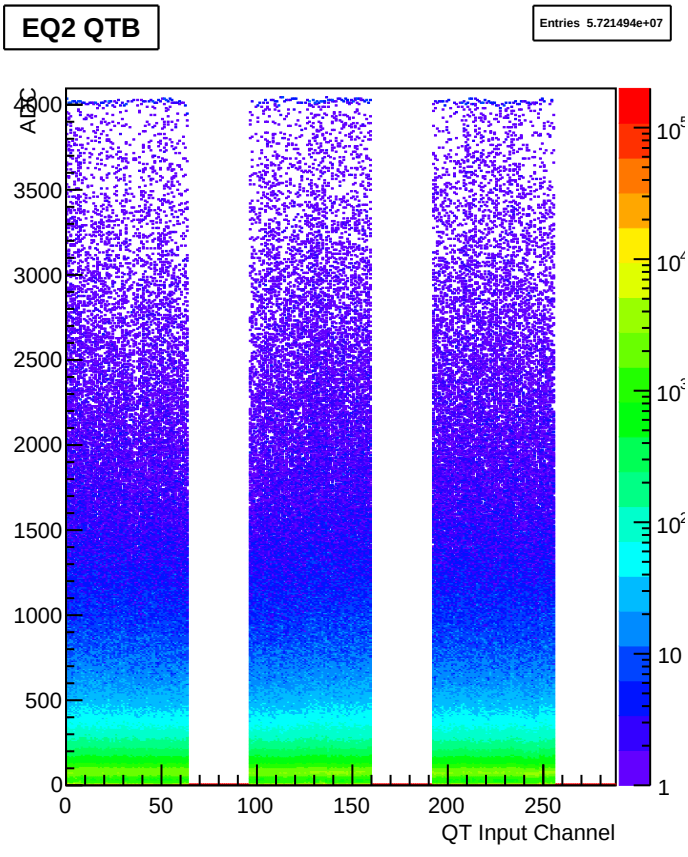

BBQ-VP002 West
Entries 3178608
TADC
QT Input Channel

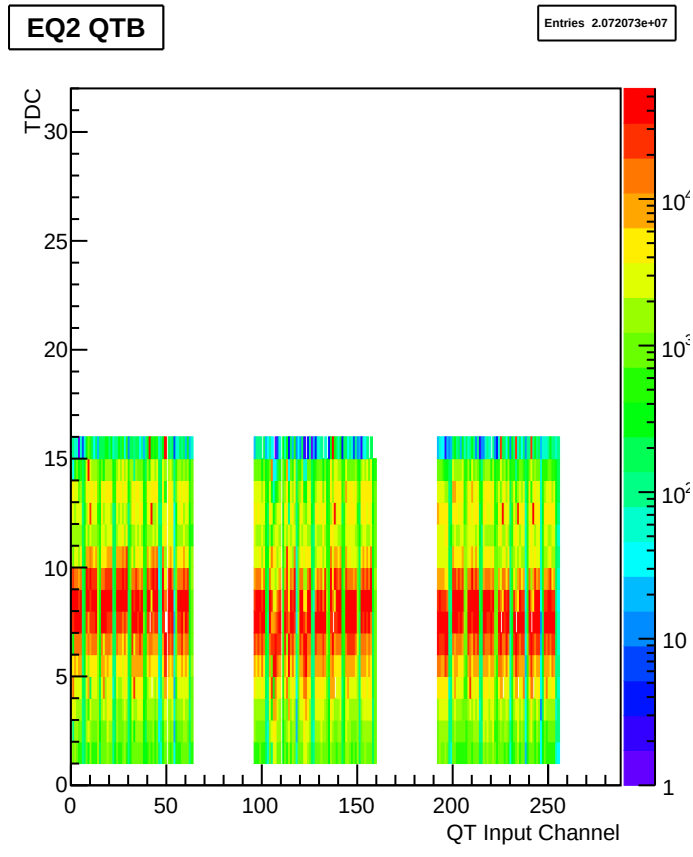

EQ1 QTB
Entries 5.721494e+07
ADC
QT Input Channel

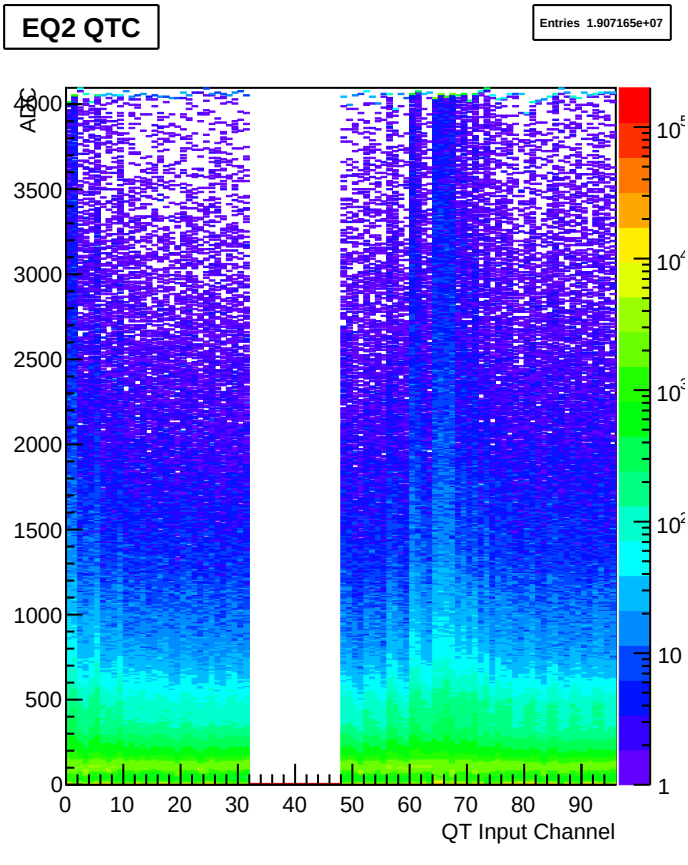

EQ1 QTB
Entries 1.916401e+07
TDC
QT Input Channel

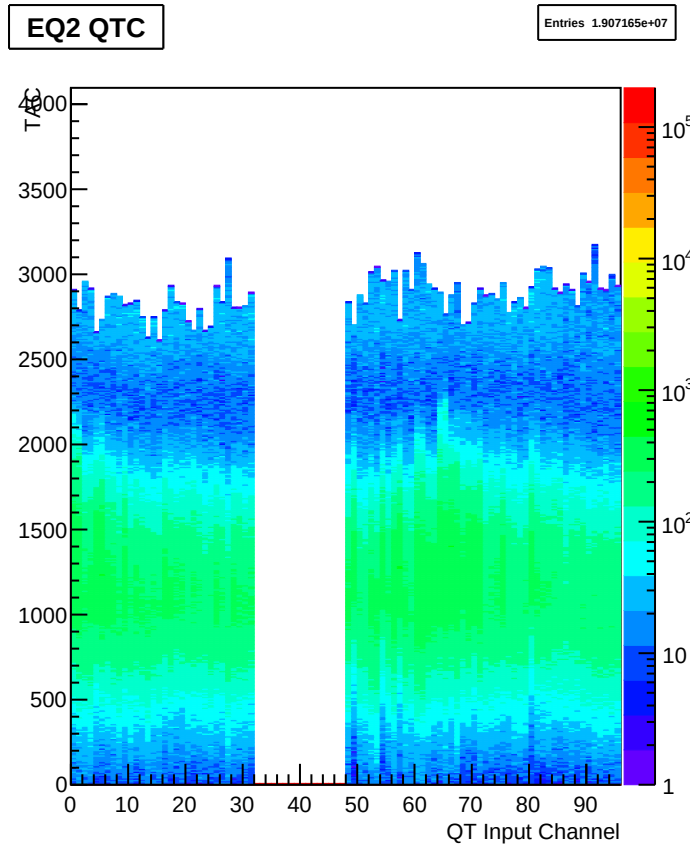

EQ1 QTC
Entries 1.907165e+07
ADC
QT Input Channel

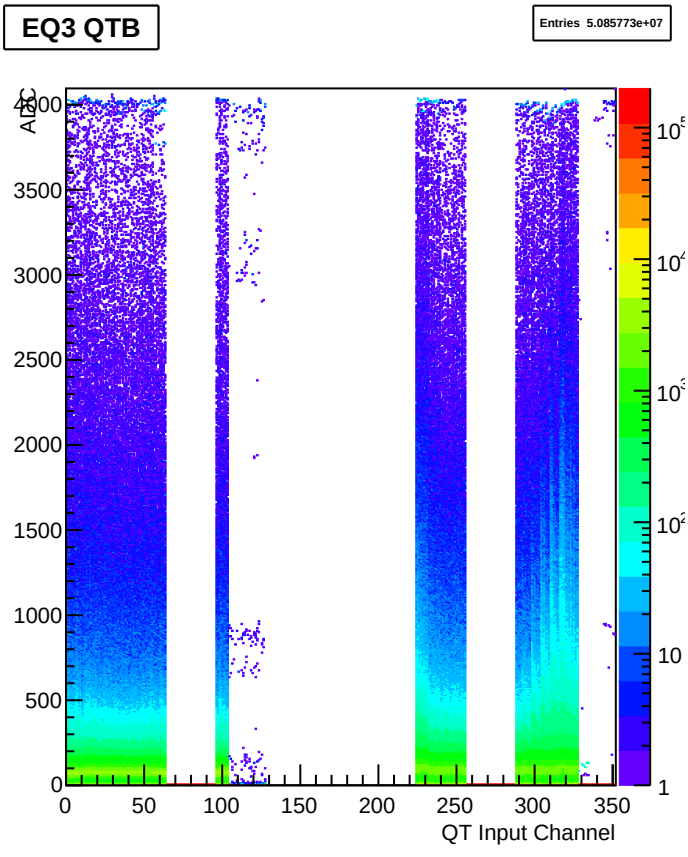

EQ1 QTC
Entries 1.907165e+07
TADC
QT Input Channel

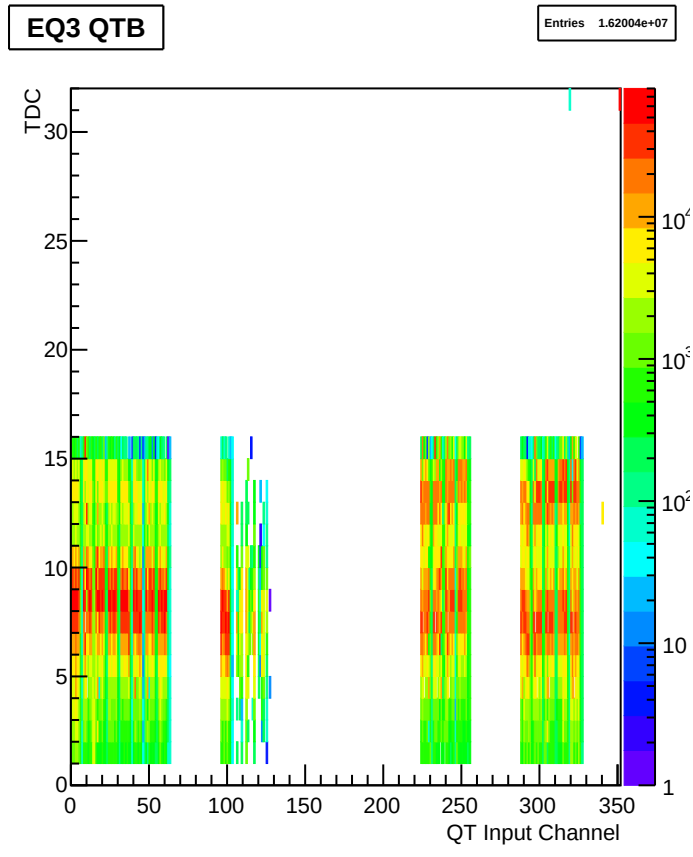

EQ2 QTB
Entries 5.721494e+07
ADC
QT Input Channel

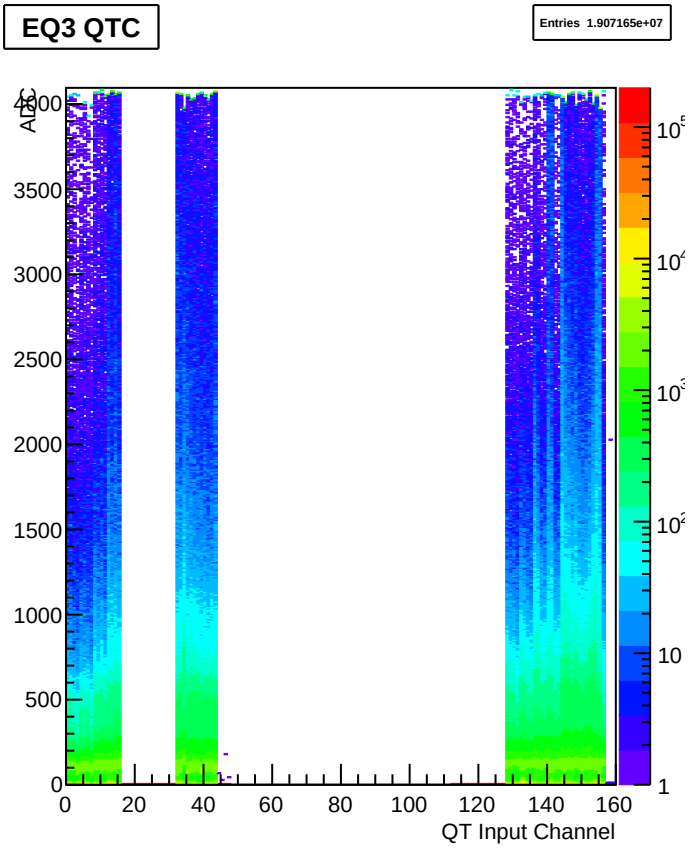

EQ2 QTB
Entries 2.072073e+07
TDC
QT Input Channel

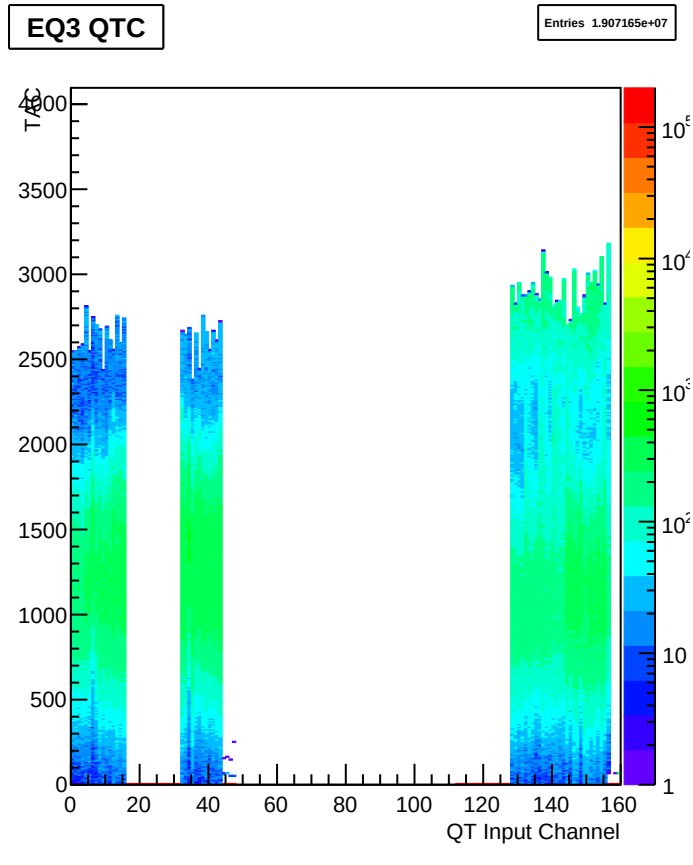

EQ2 QTC
Entries 1.907165e+07
ADC
QT Input Channel

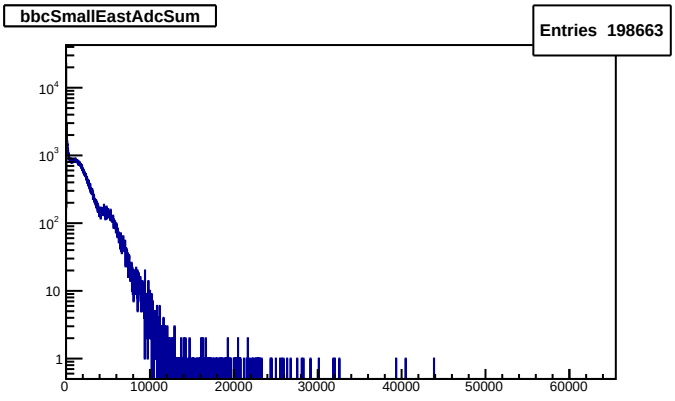

EQ2 QTC
Entries 1.907165e+07
TADC
QT Input Channel

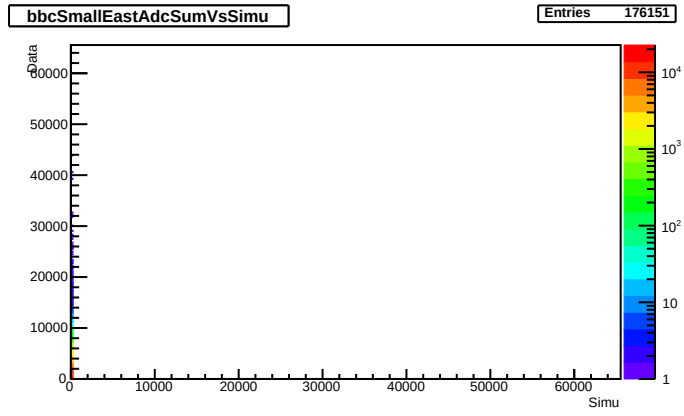

EQ3 QTB
Entries 5.085773e+07
ADC
QT Input Channel

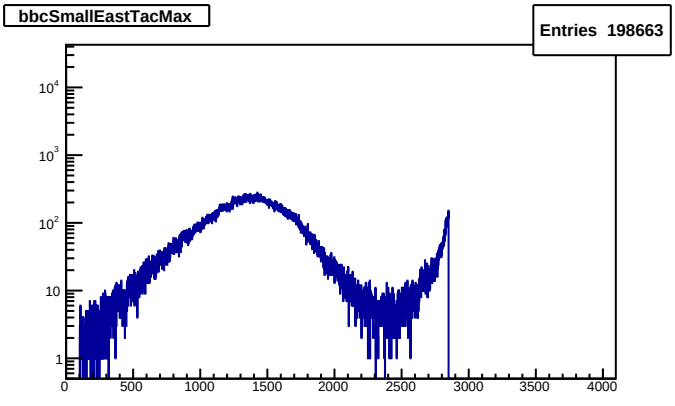

EQ3 QTB
Entries 1.62004e+07
TDC
QT Input Channel

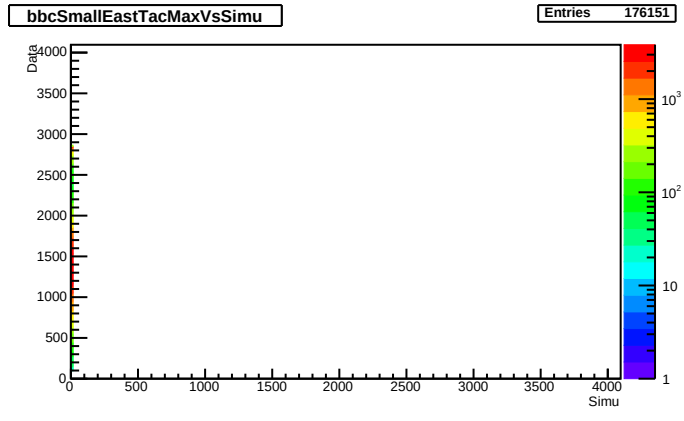

EQ3 QTC
Entries 1.907165e+07
ADC
QT Input Channel


EQ3 QTC
Entries 1.907165e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 198663


bbcSmallEastAdcSumVsSimu
Entries 176151
Data
Simu


bbcSmallEastTacMax
Entries 198663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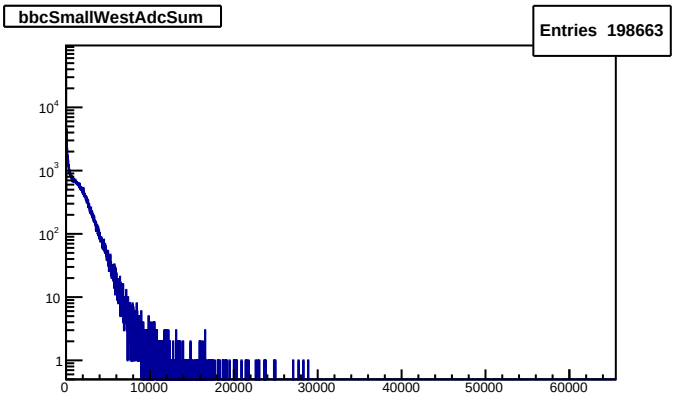
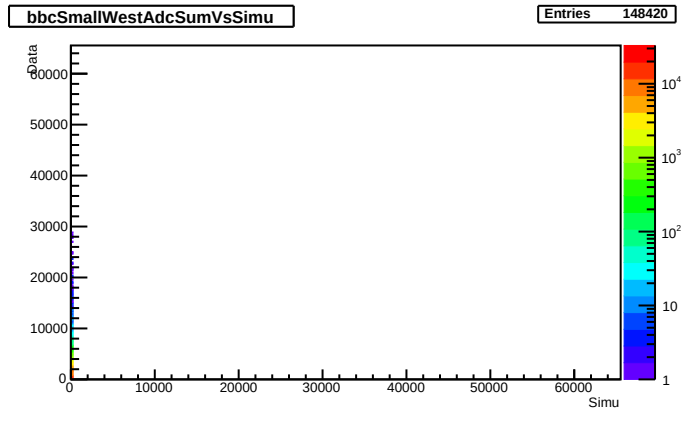
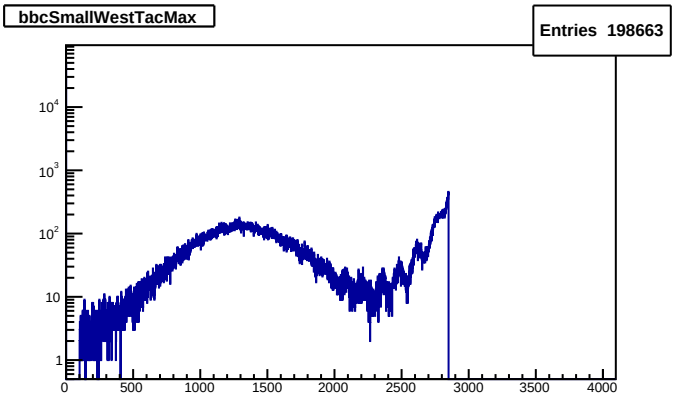
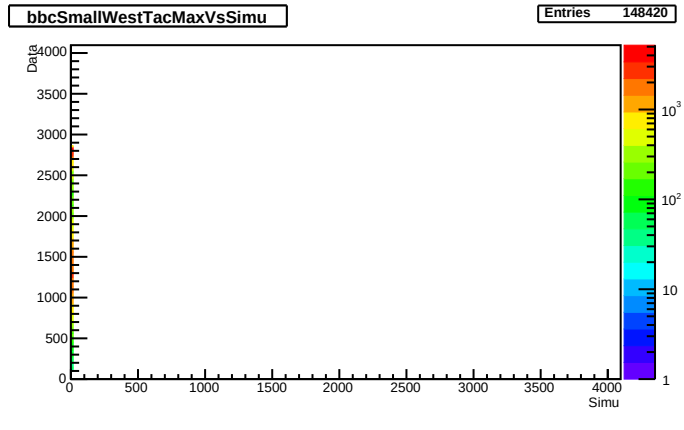
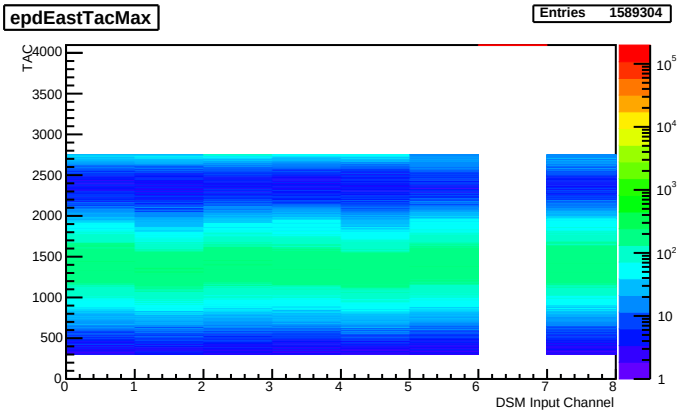
Entries 176151
Data
Simu

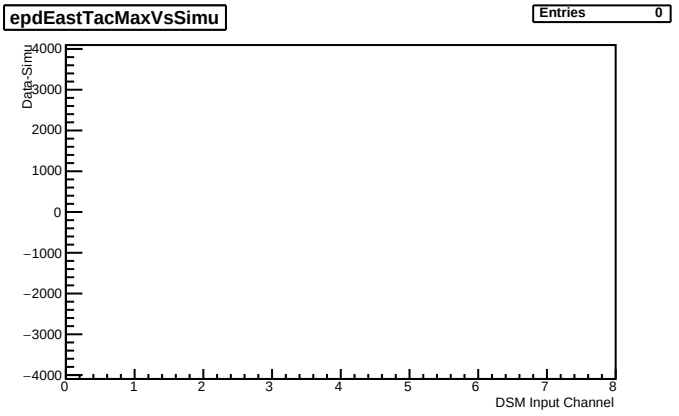

bbcSmallWestAdcSum
Entries 198663

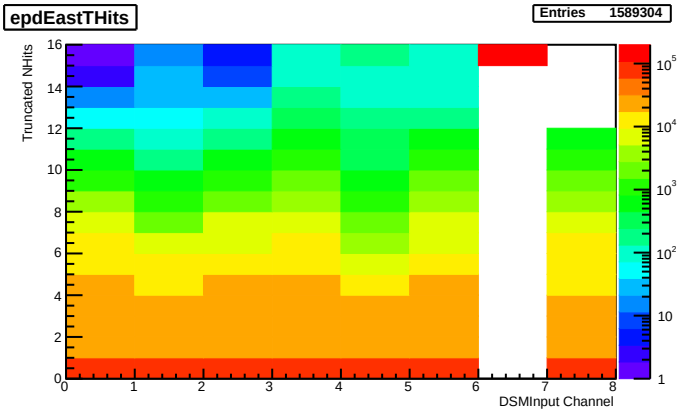

bbcSmallWestAdcSumVsSimu
Entries 148420
Data
Simu

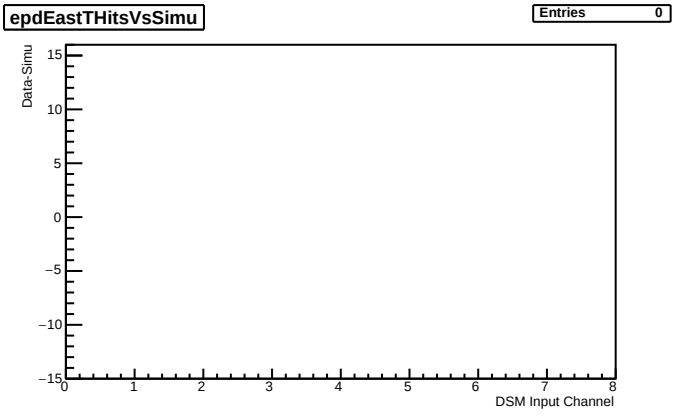

bbcSmallWestTacMax
Entries 198663


bbcSmallWestTacMaxVsSimu
Entries 148420
Data
Simu


epdEastTacMax
Entries 1589304
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 1589304
Truncated NHits
DSMInput Channel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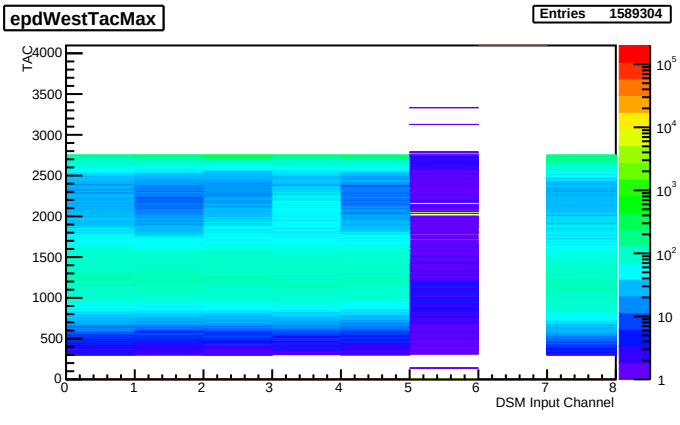
Entries 0
Data-Simu
DSM Input Channel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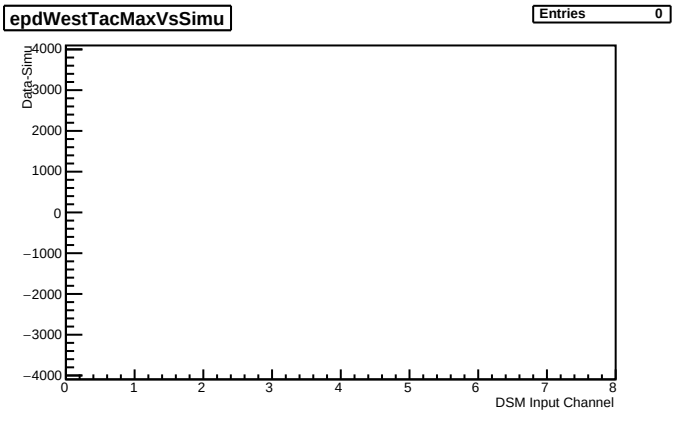
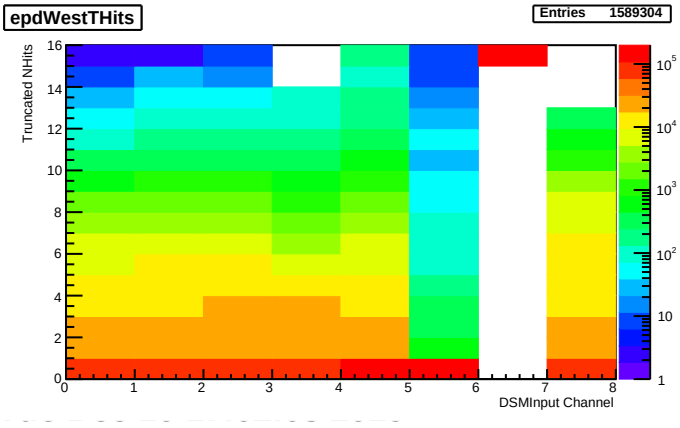
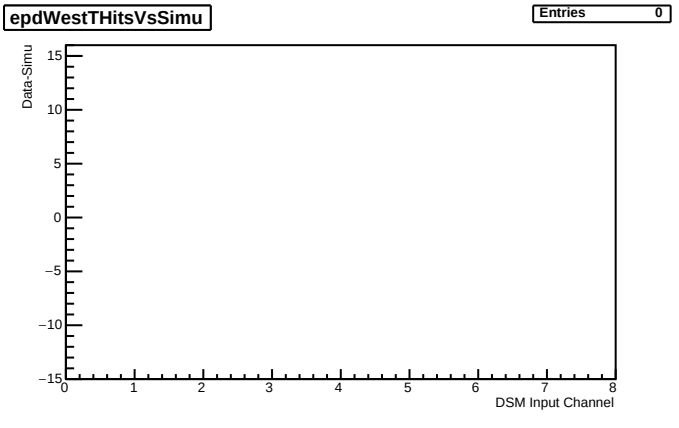
Entries 1589304
TAC
DSM Input Channel


epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 1589304
Truncated NHits
DSMInput Channel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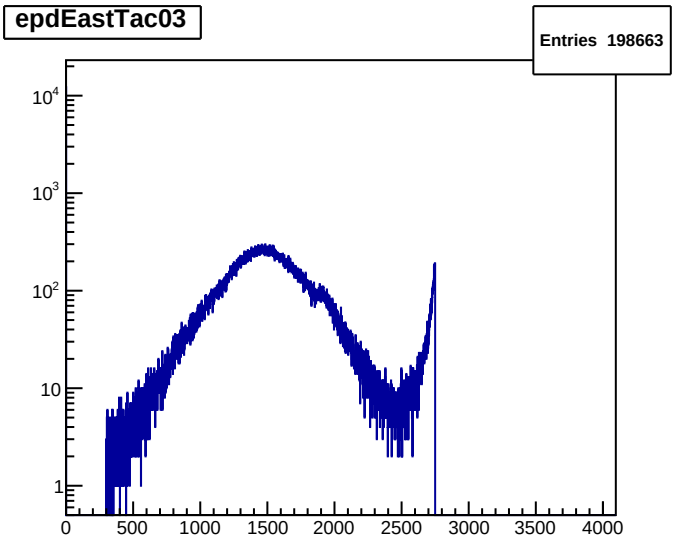
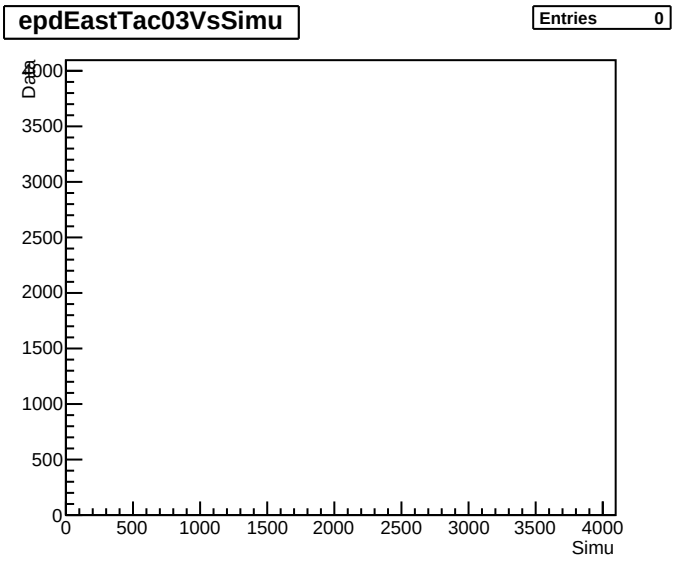
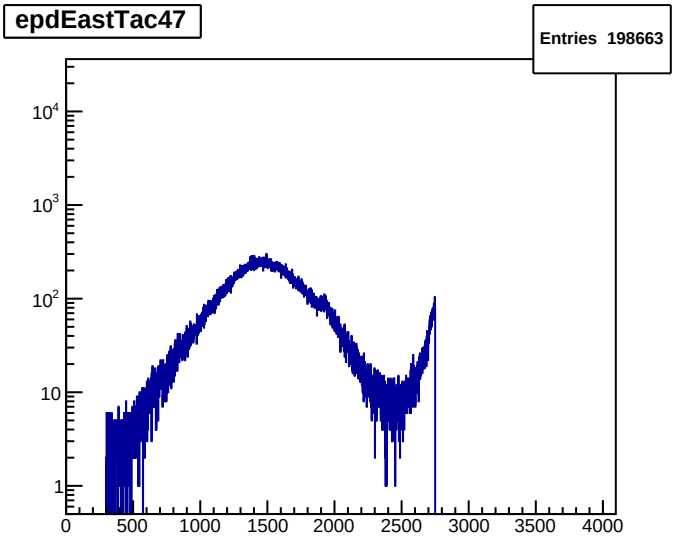
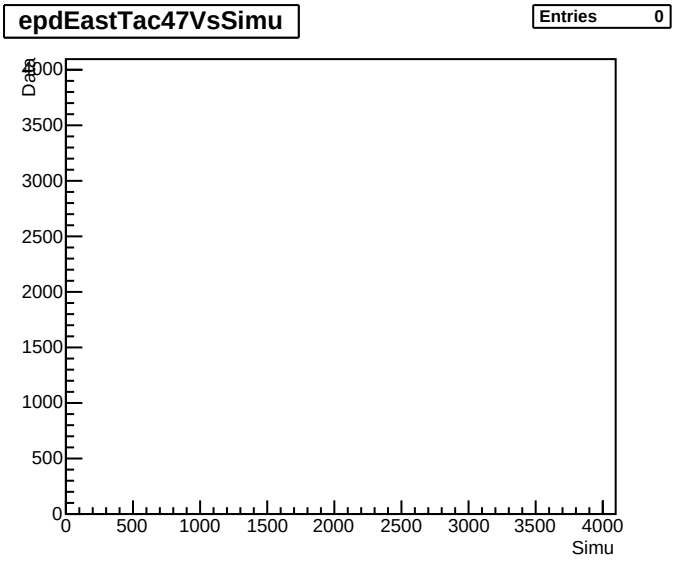
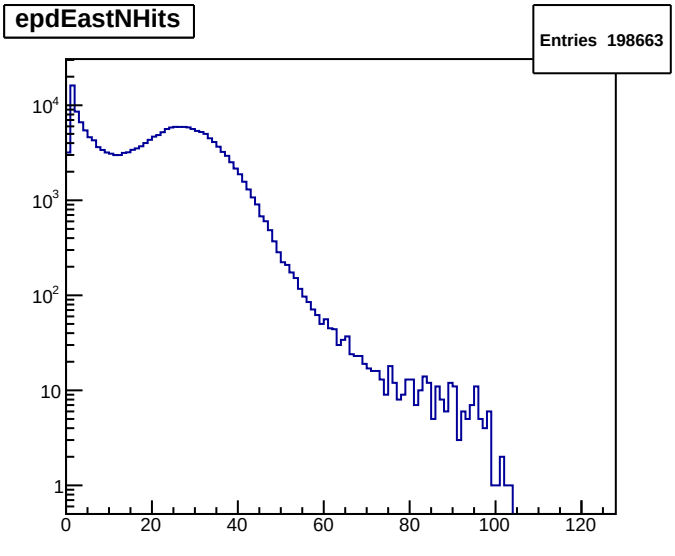
Entries 0
Data-Simu
DSM Input Channel

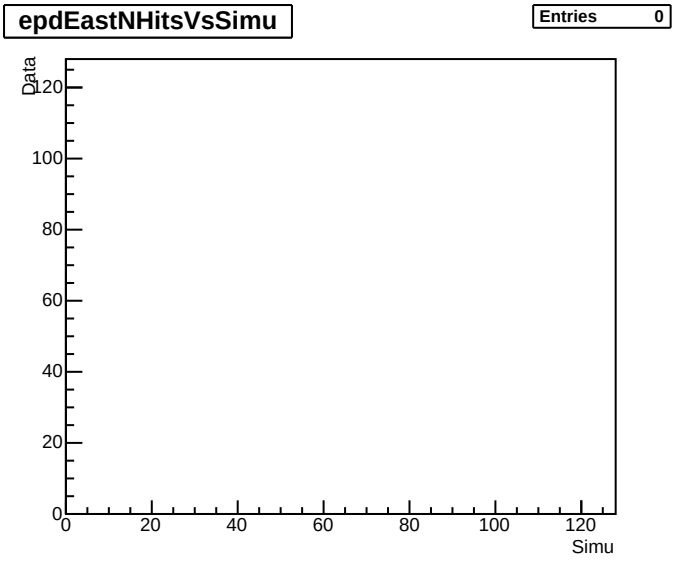

epdEastTac03
Entries 198663


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 198663


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 198663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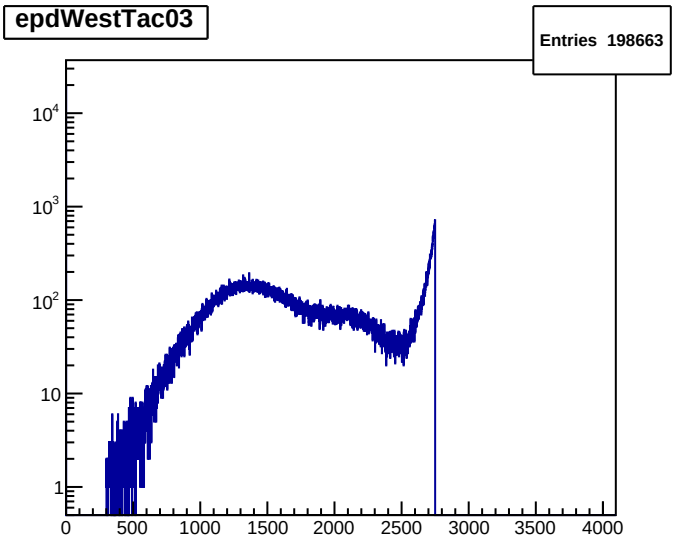
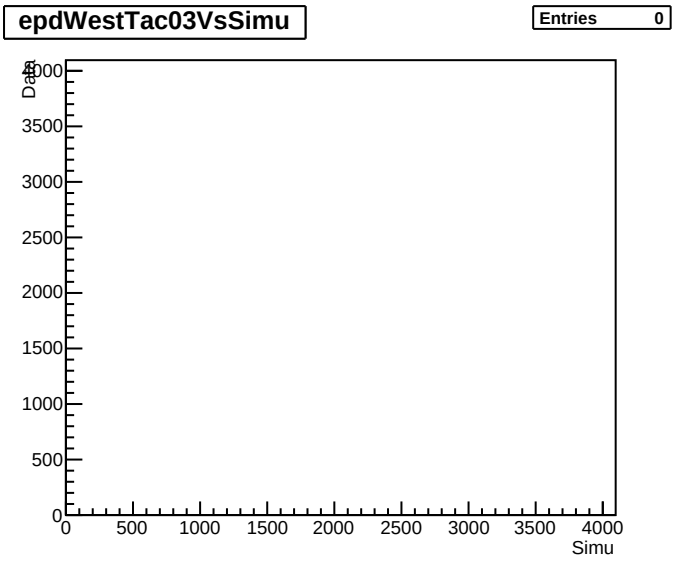
Entries 0
Data
Simu


epdWestTac03
Entries 198663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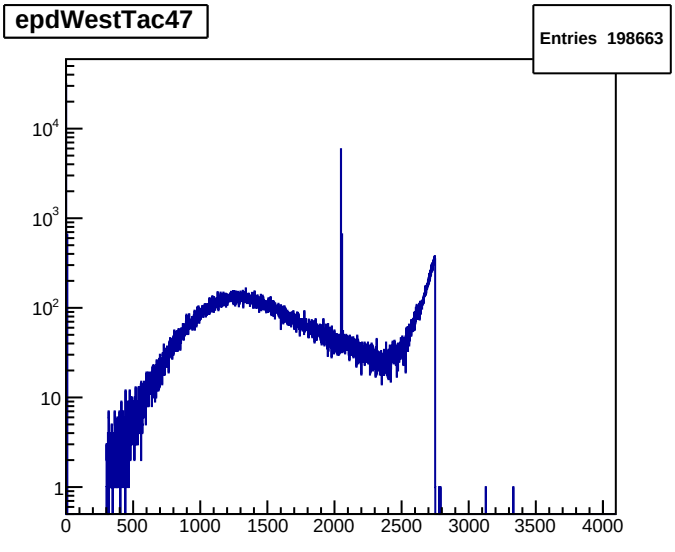
Entries 0
Data
Simu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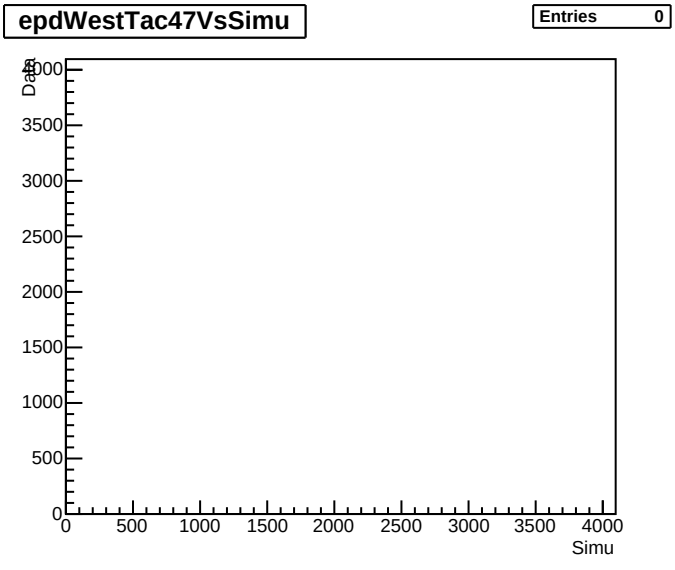
Entries 198663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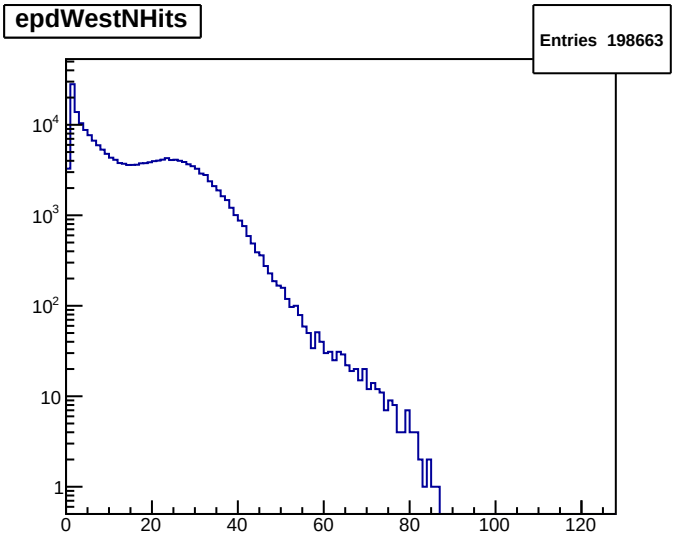
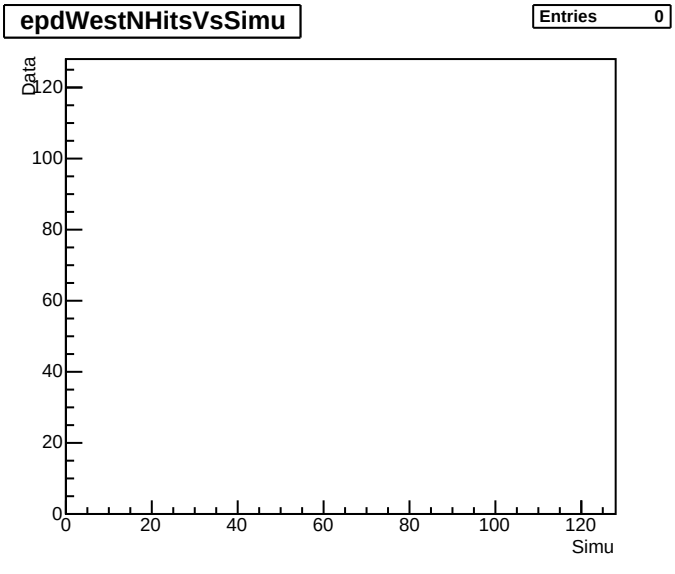
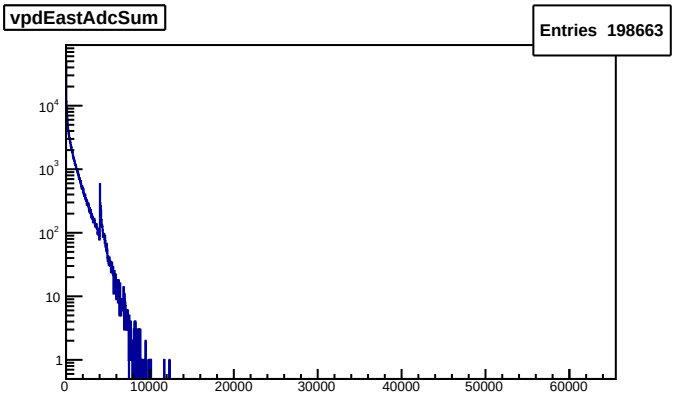
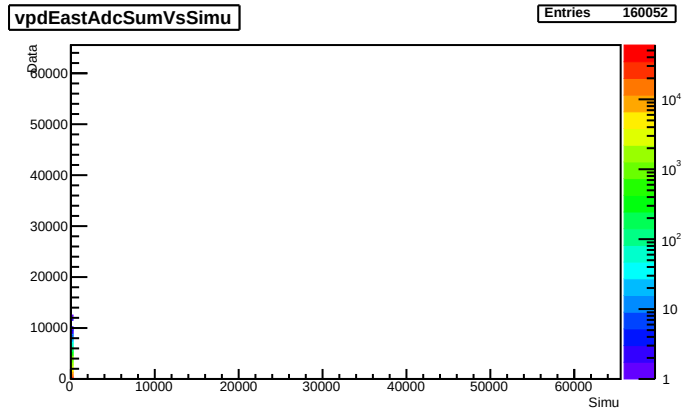
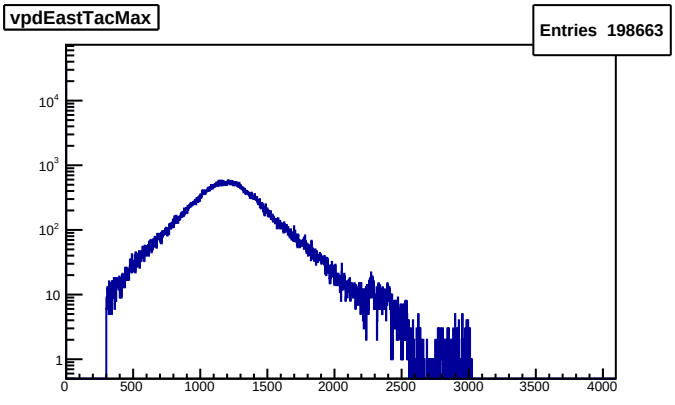
Entries 0
Data
Simu

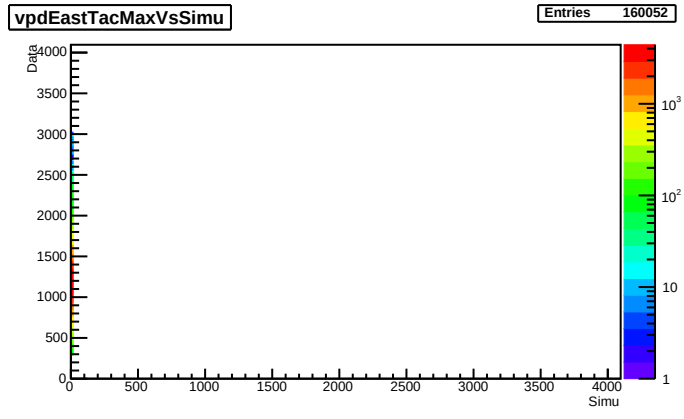

epdWestNHits
Entries 198663

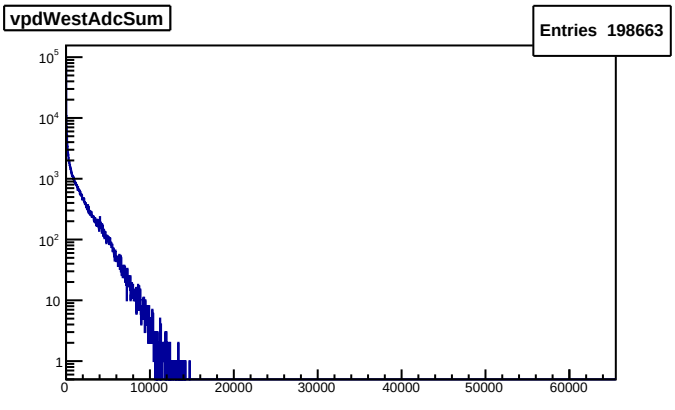

epdWestNHitsVsSimu
Entries 0
Data
Simu

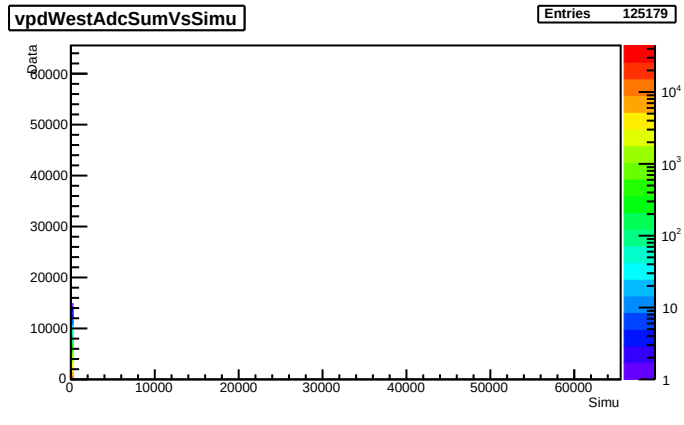

vpdEastAdcSum
Entries 198663

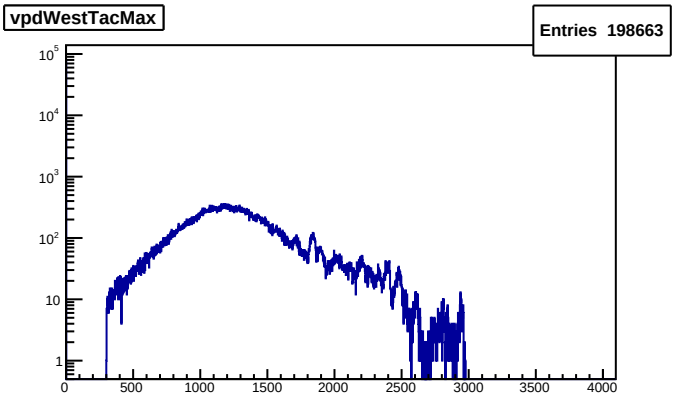

vpdEastAdcSumVsSimu
Entries 160052
Data
Simu

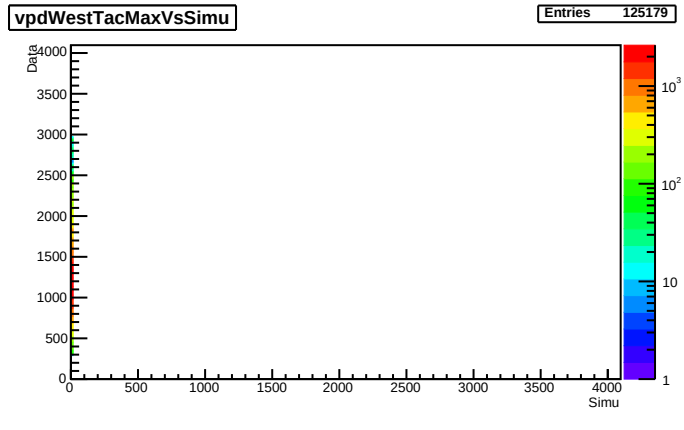

vpdEastTacMax
Entries 198663

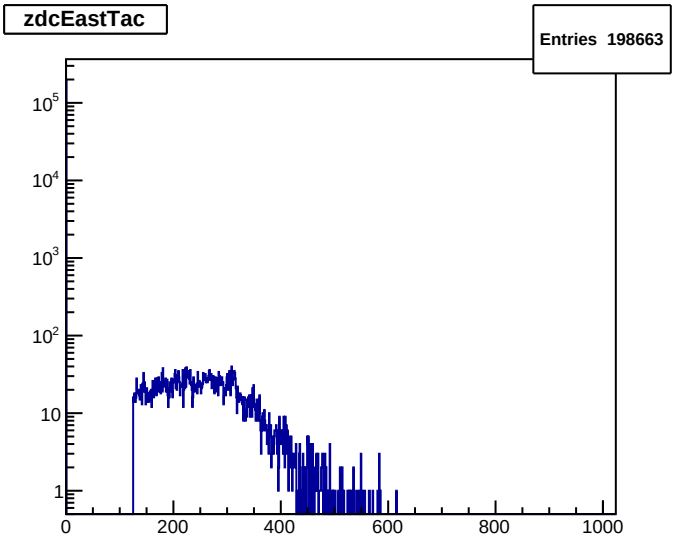

vpdEastTacMaxVsSimu
Entries 160052
Data
Simu

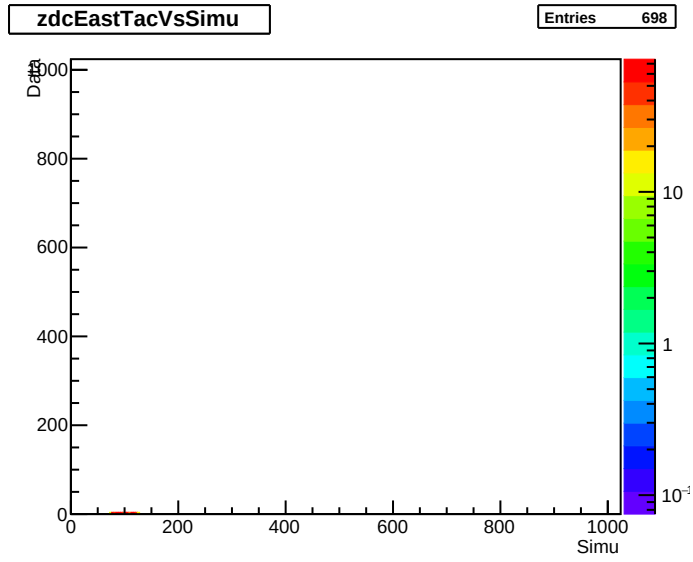

vpdWestAdcSum
Entries 198663

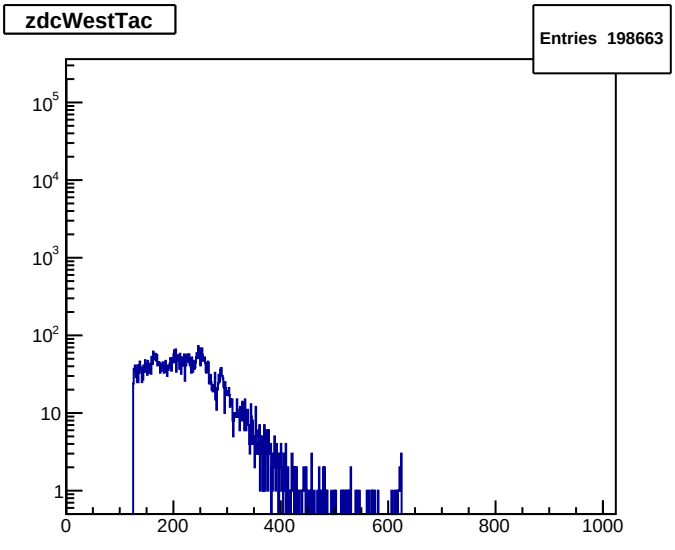

vpdWestAdcSumVsSimu
Entries 125179
Data
Simu

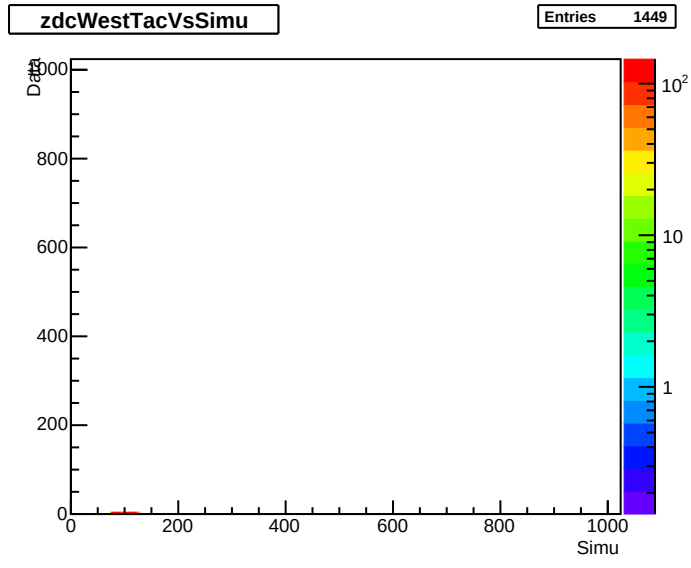

vpdWestTacMax
Entries 198663

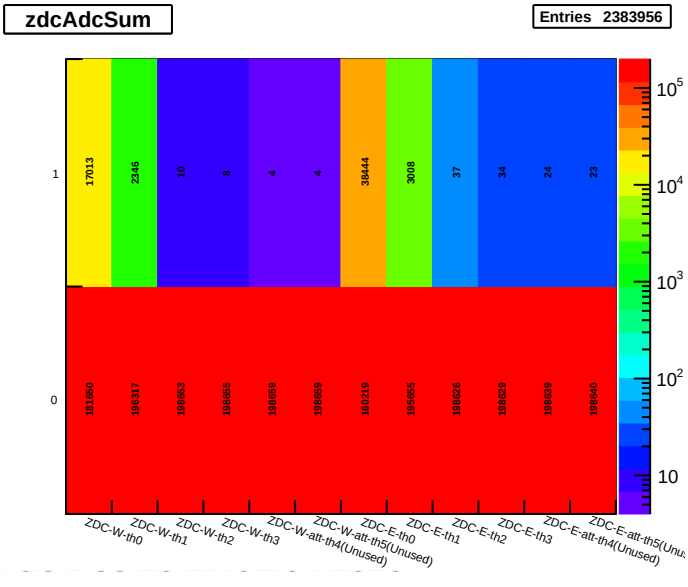

vpdWestTacMaxVsSimu
Entries 125179
Data
Simu

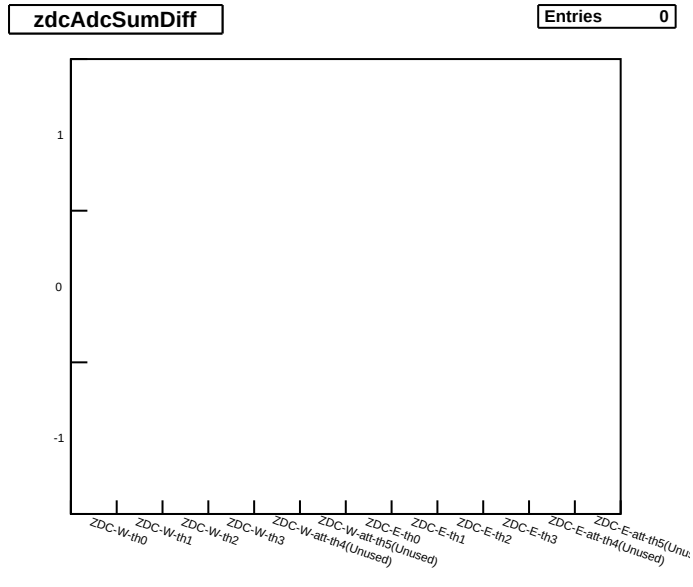

zdcEastTac
Entries 198663

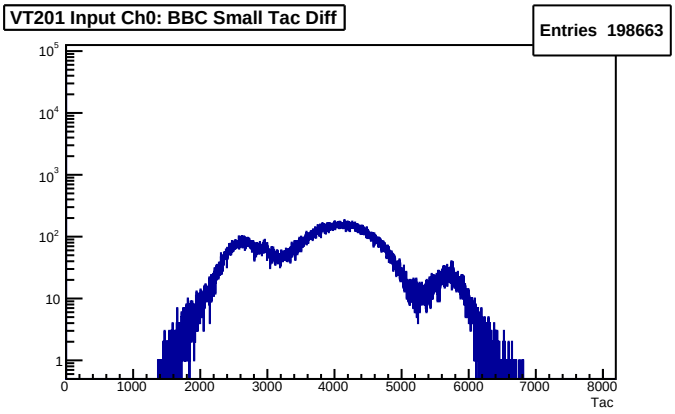

zdcEastTacVsSimu
Entries 698
Data
Simu

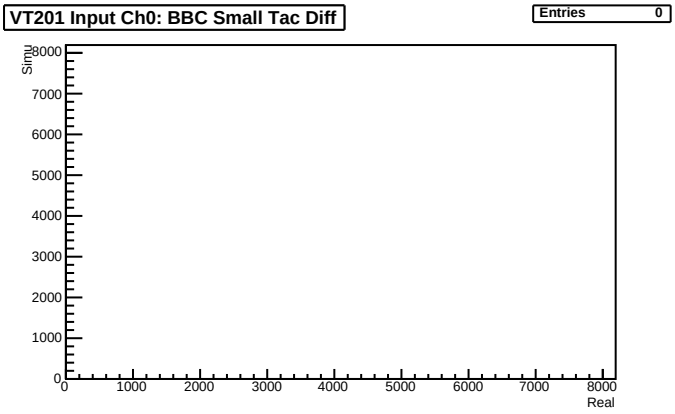

zdcWestTac
Entries 198663

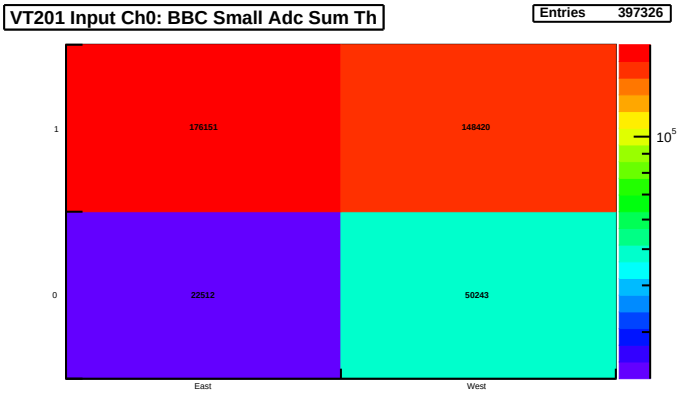

zdcWestTacVsSimu
Entries 1449
Data
Simu

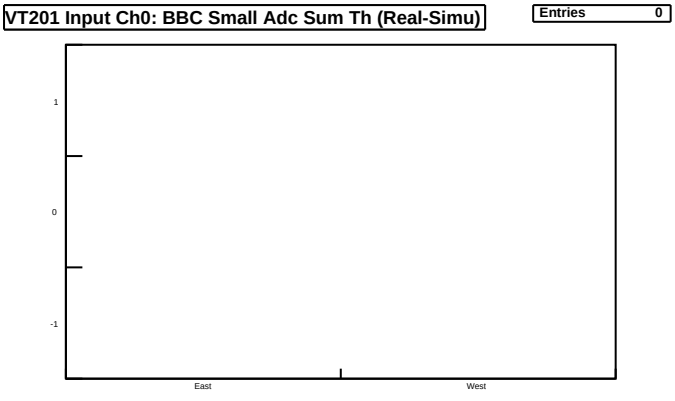

zdcAdcSum
Entries 2383956
17013
2246
10
8
4
4
38444
3008
37
34
24
23
181660
196317
198653
198655
198659
198659
160219
195665
198626
198629
198639
198640
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

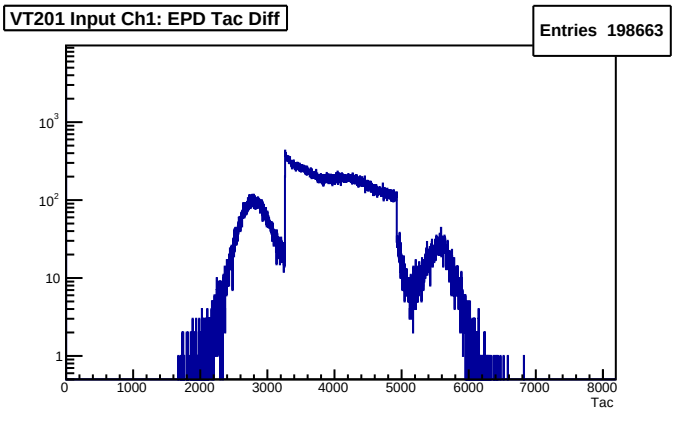

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

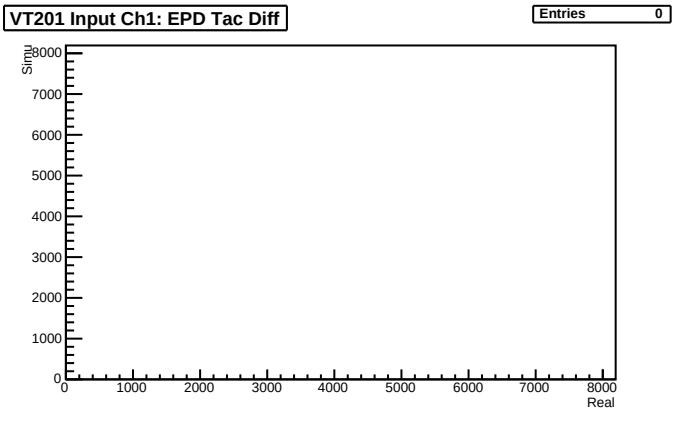

VT201 Input Ch0: BBC Small Tac Diff
Entries 198663
Tac

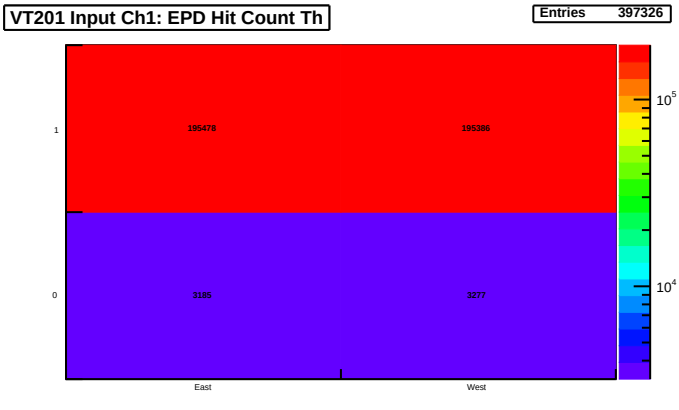

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

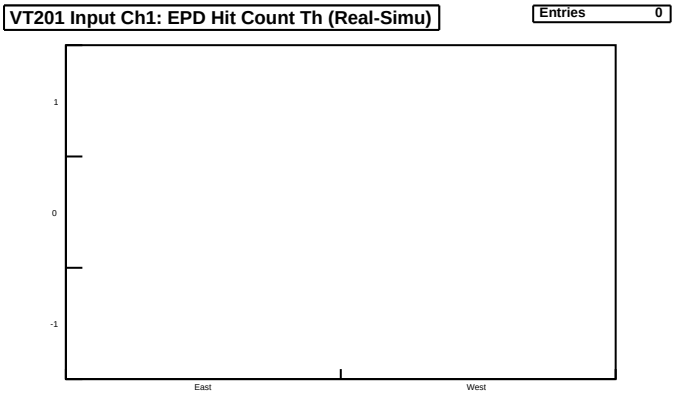

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 397326
176151
148420
22512
50243
East
West

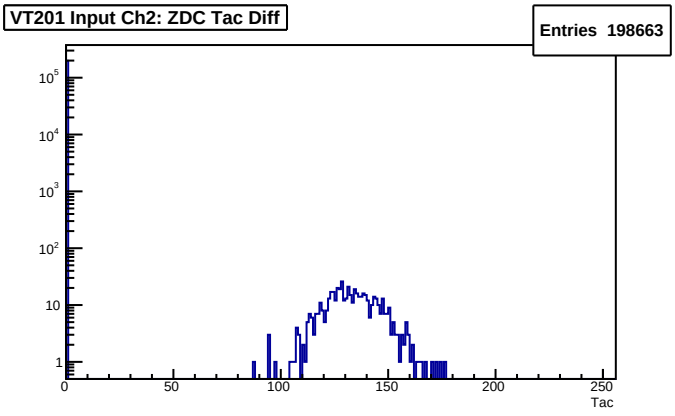

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

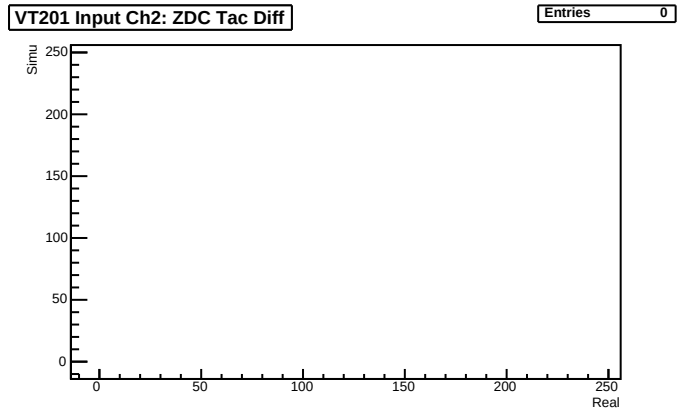

VT201 Input Ch1: EPD Tac Diff
Entries 198663
Tac

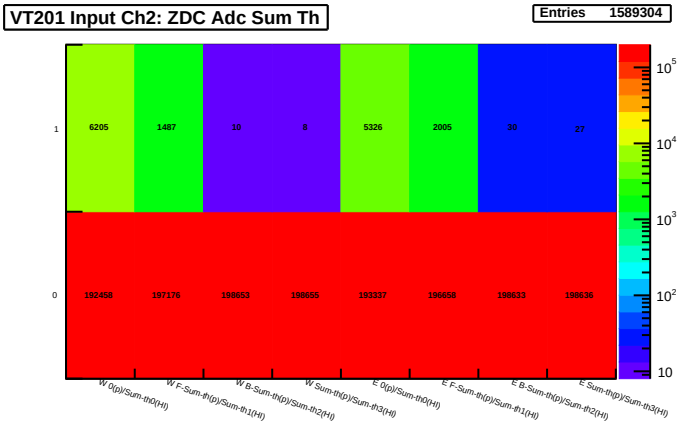

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

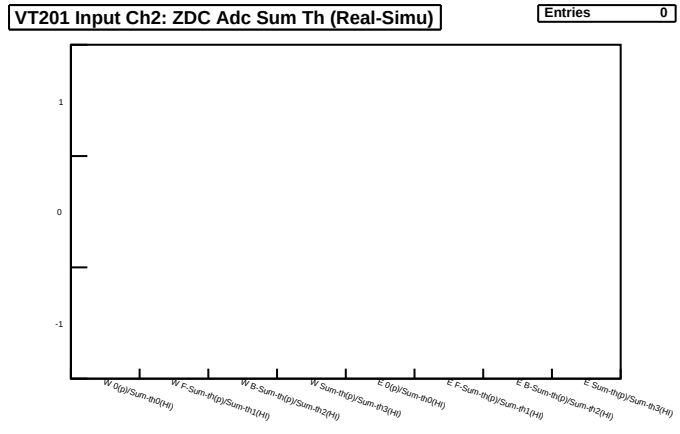

VT201 Input Ch1: EPD Hit Count Th
Entries 397326
195478
195386
3185
3277
East
West

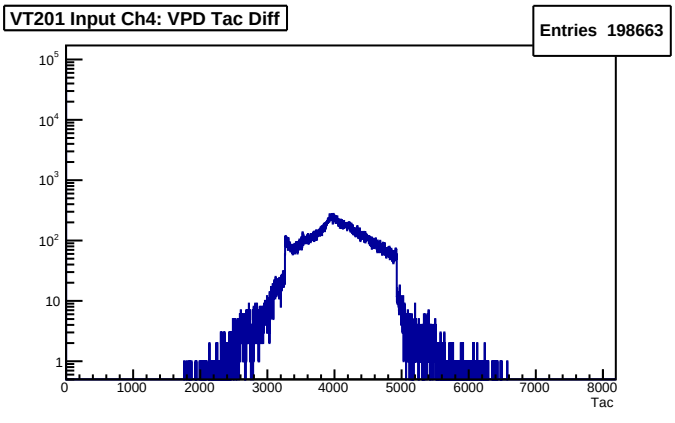

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

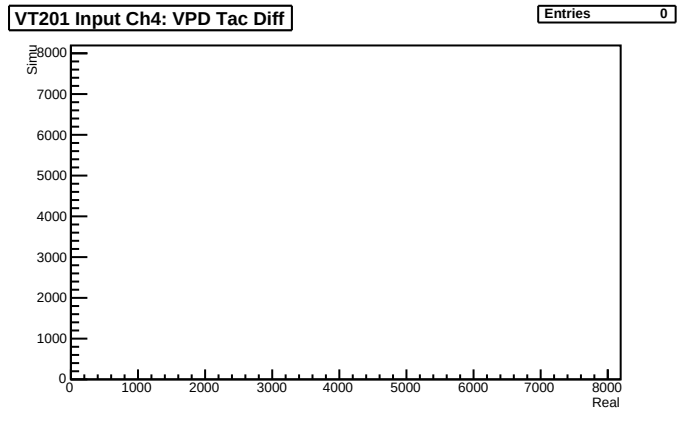

VT201 Input Ch2: ZDC Tac Diff
Entries 198663
Tac

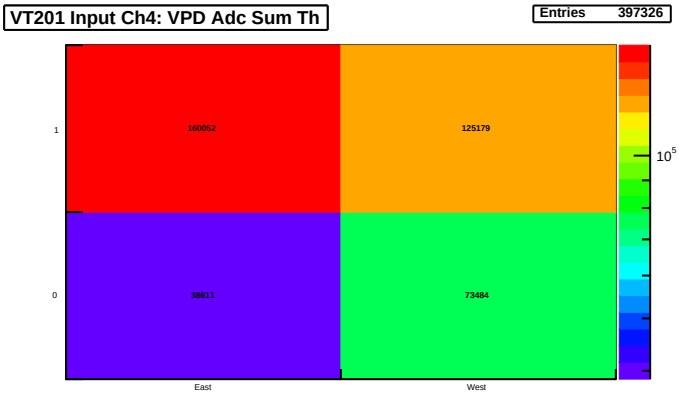

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

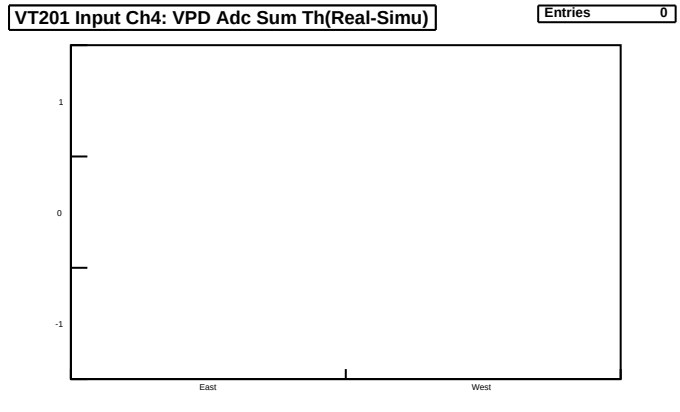

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1589304
6205
1487
10
8
5326
2005
30
27
192458
197176
198653
198655
193337
196658
198633
198636
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

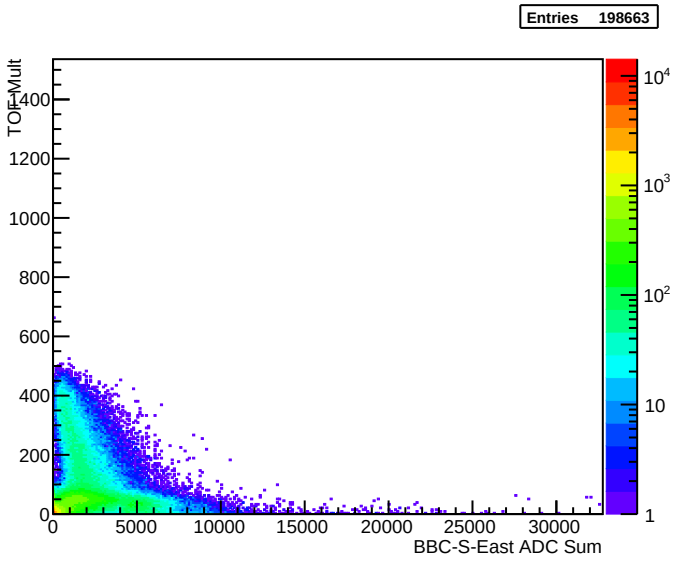

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

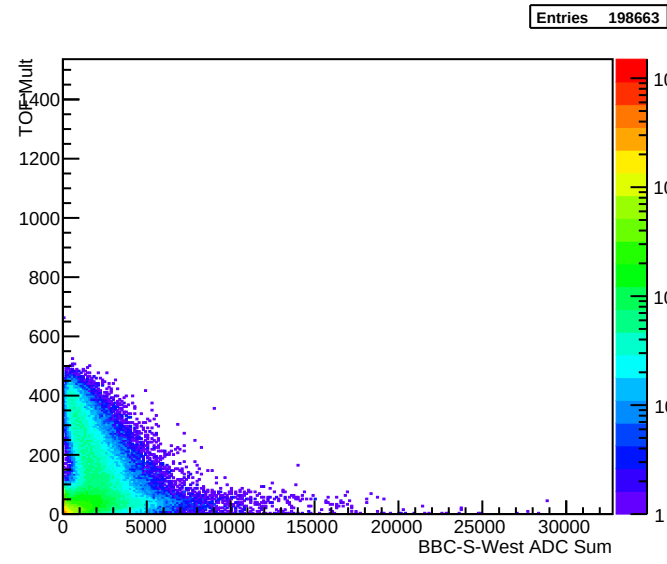

VT201 Input Ch4: VPD Tac Diff
Entries 198663
Tac

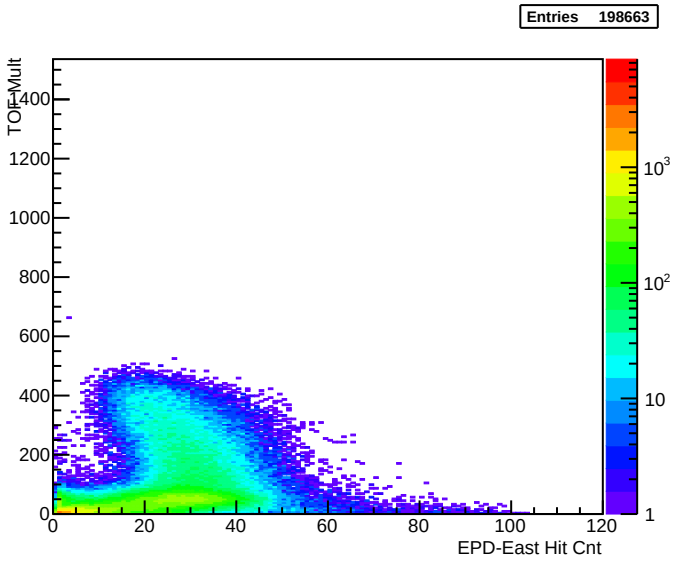

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

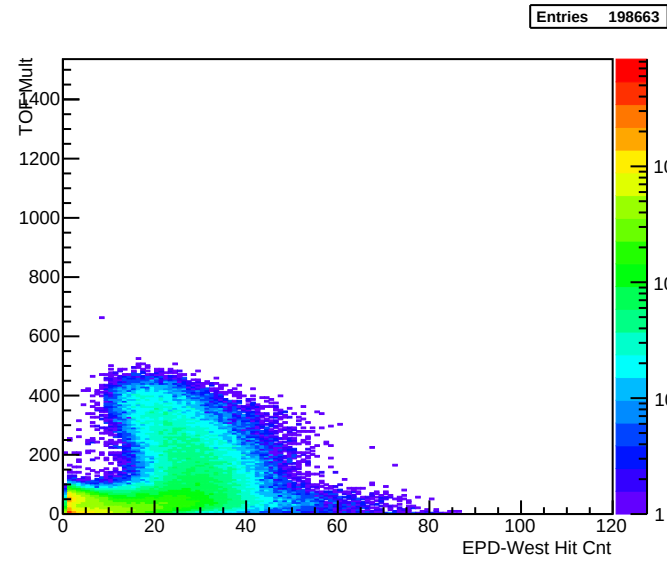

VT201 Input Ch4: VPD Adc Sum Th
Entries 397326
160052
125179
38611
73484
East
West

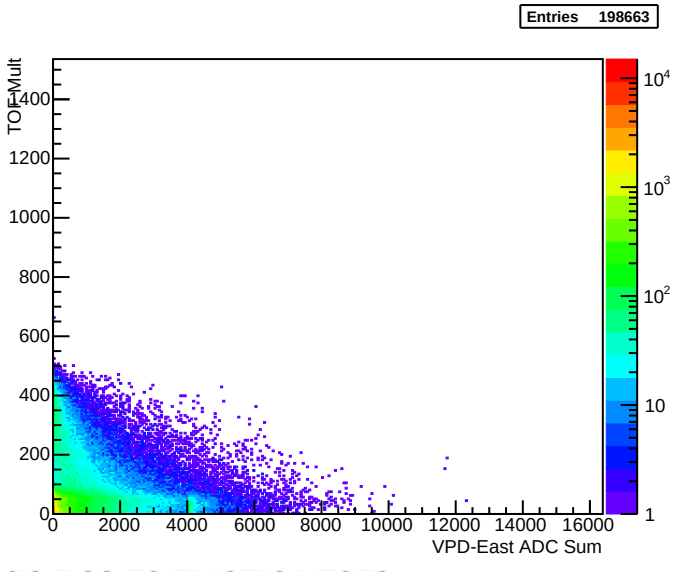

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

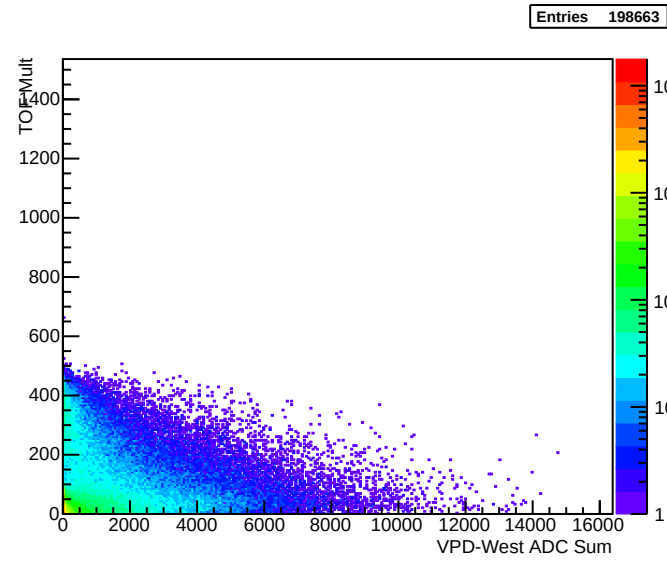

Entries 198663
TOF-Mult
BBC-S-East ADC Sum

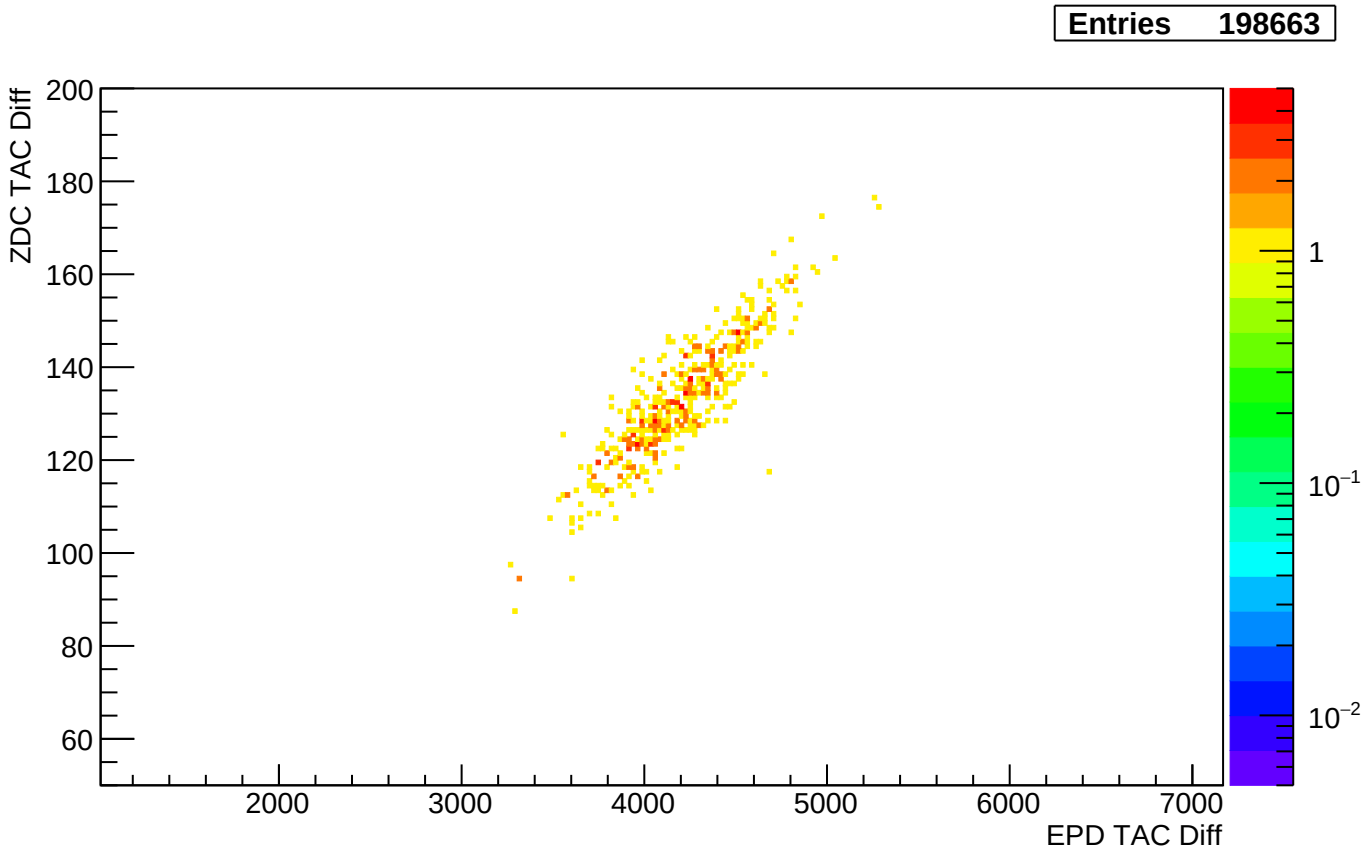

Entries 198663
TOF-Mult
BBC-S-West ADC Sum

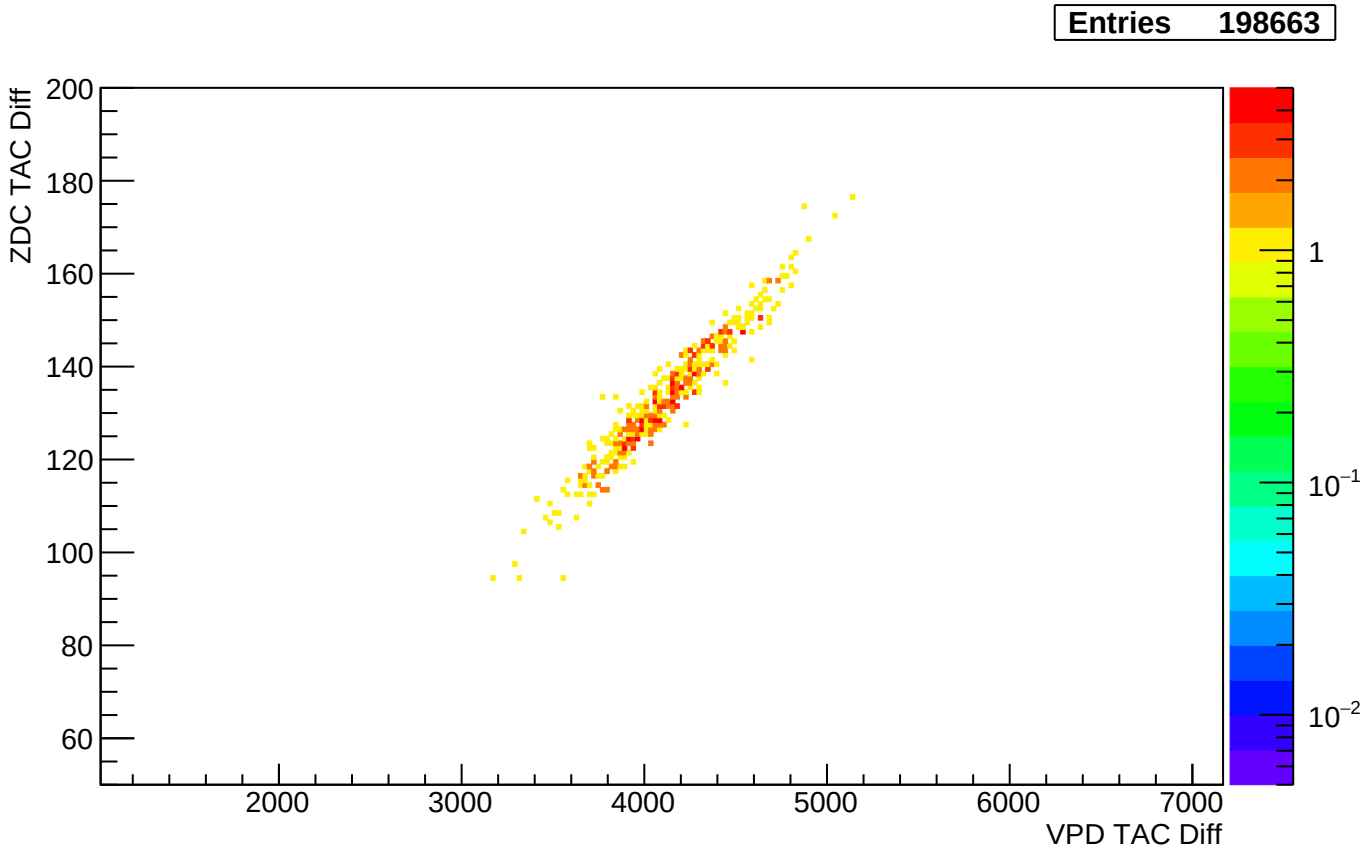

Entries 198663
TOF-Mult
EPD-East Hit Cnt

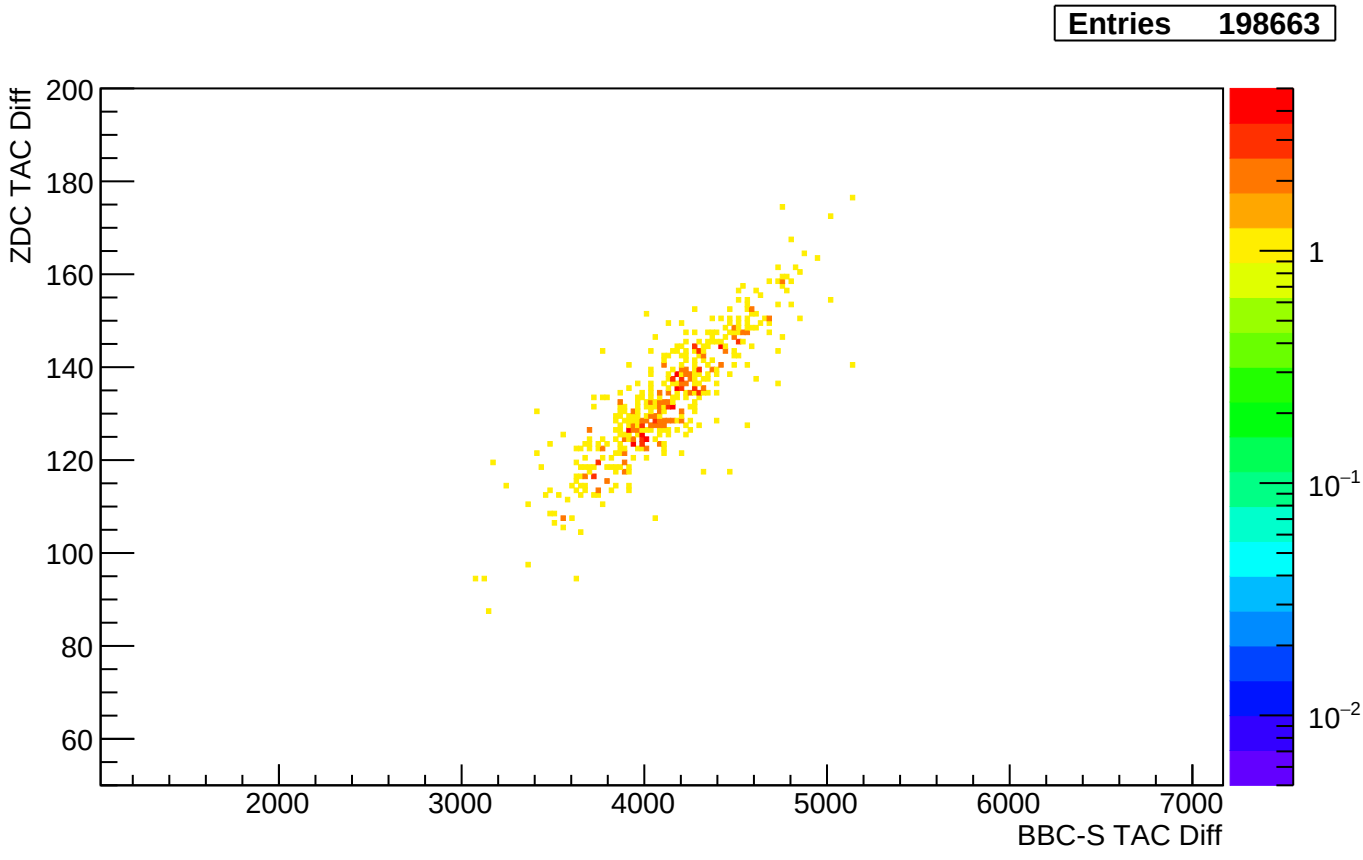

Entries 198663
TOF-Mult
EPD-West Hit Cnt

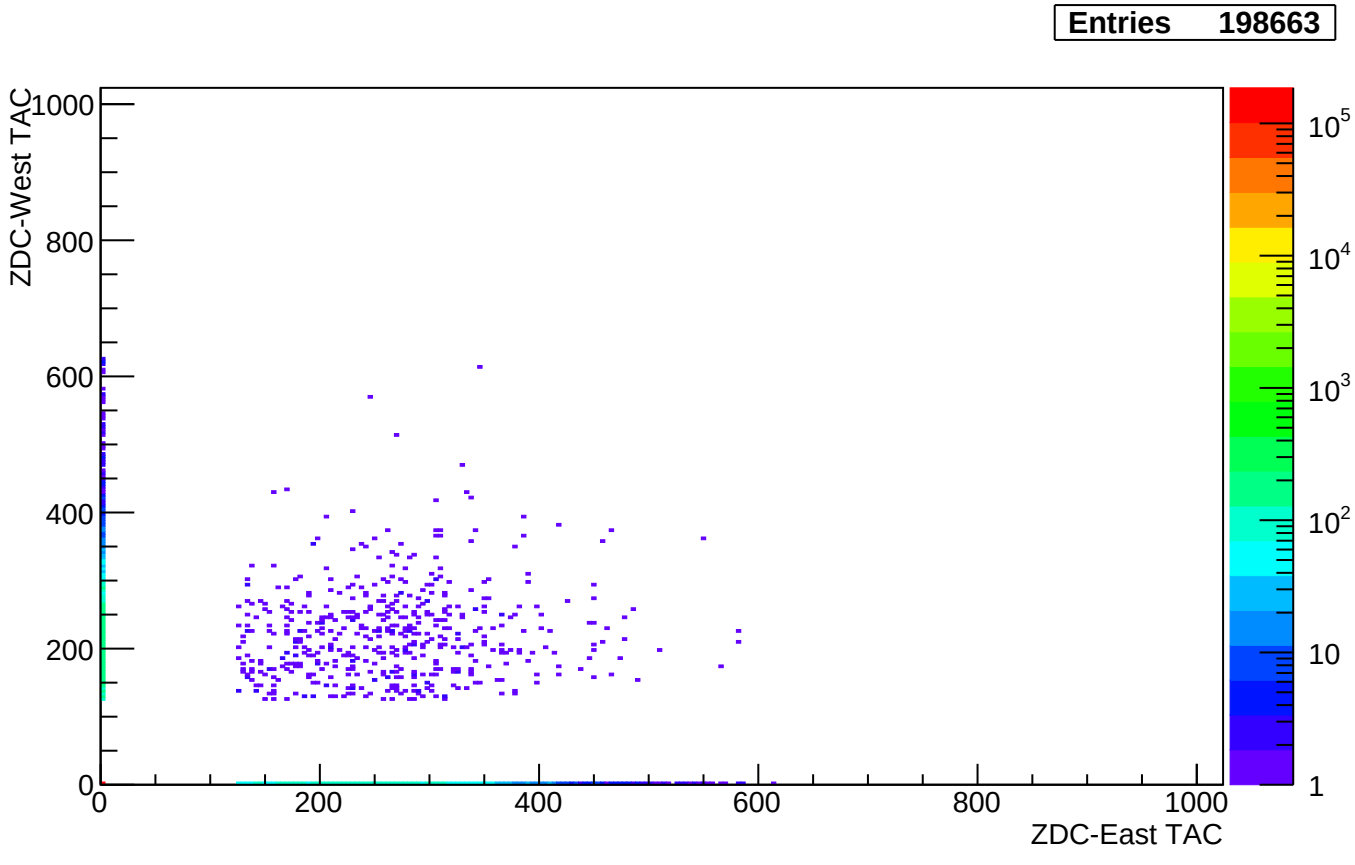

Entries 198663
TOF-Mult
VPD-East ADC Sum

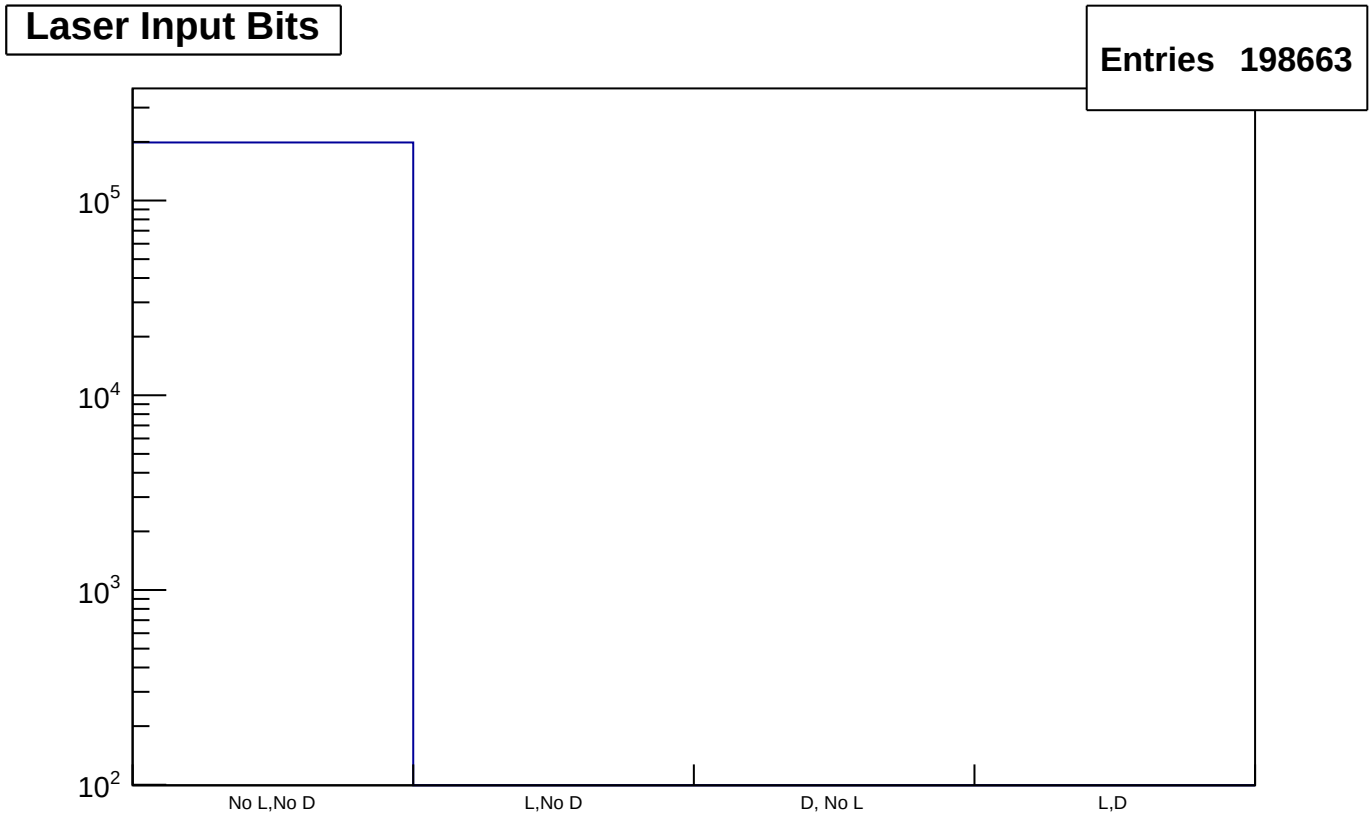

Entries 198663
TOF-Mult
VPD-West ADC Sum

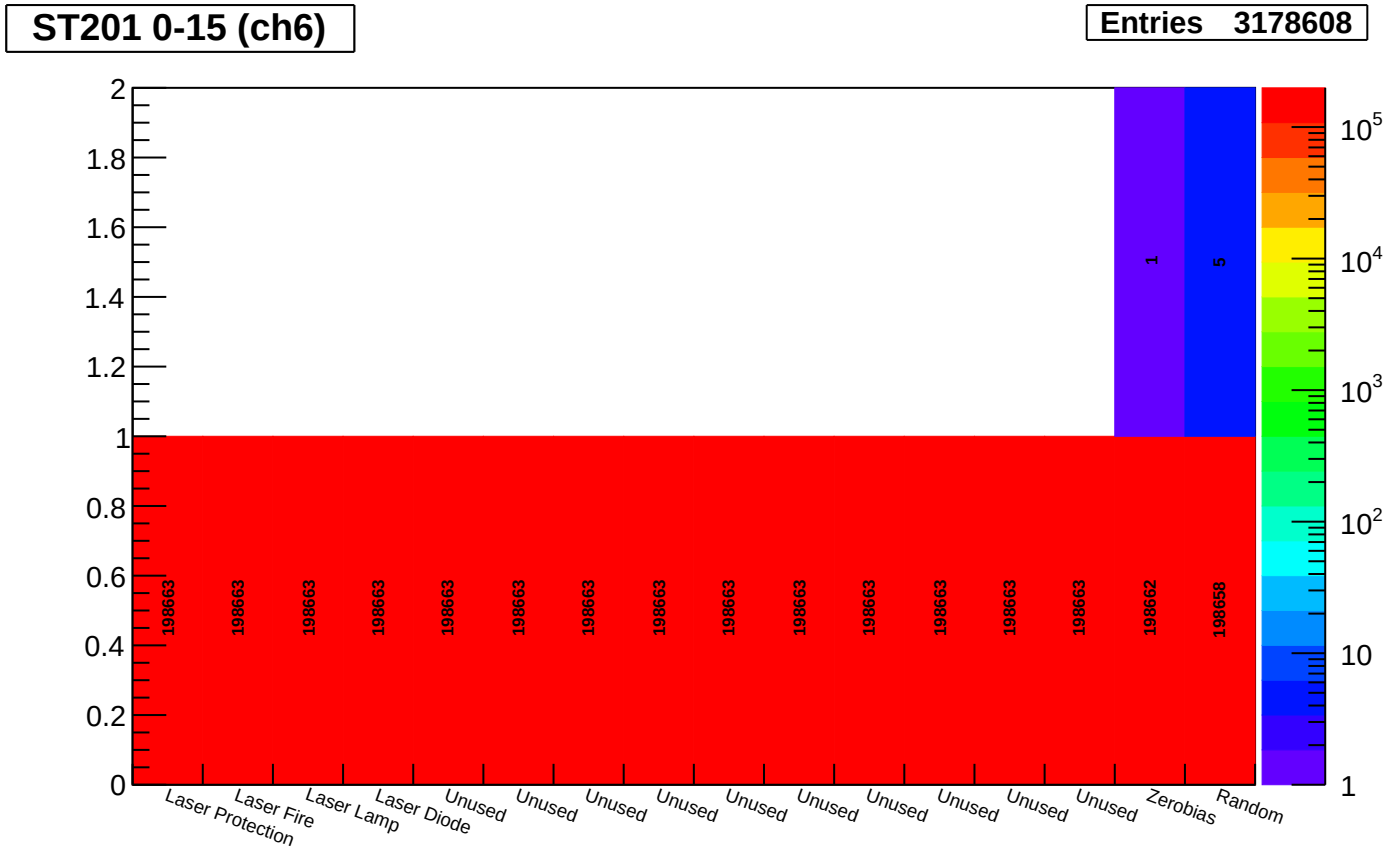

Entries 198663
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

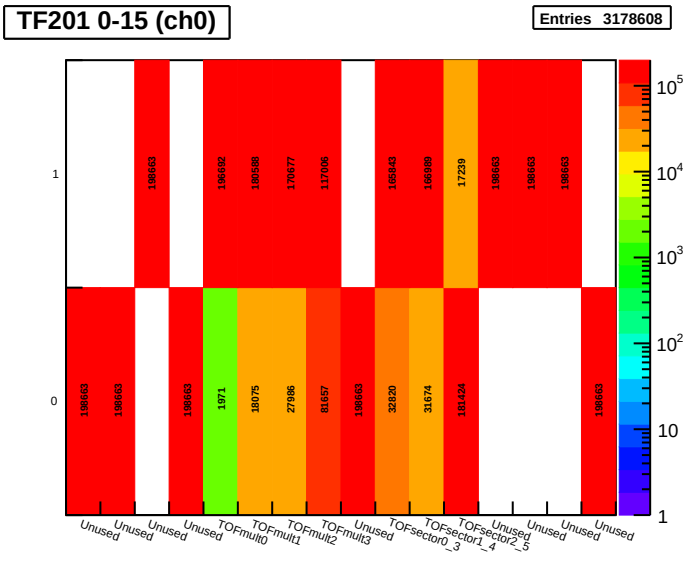

Entries 198663
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

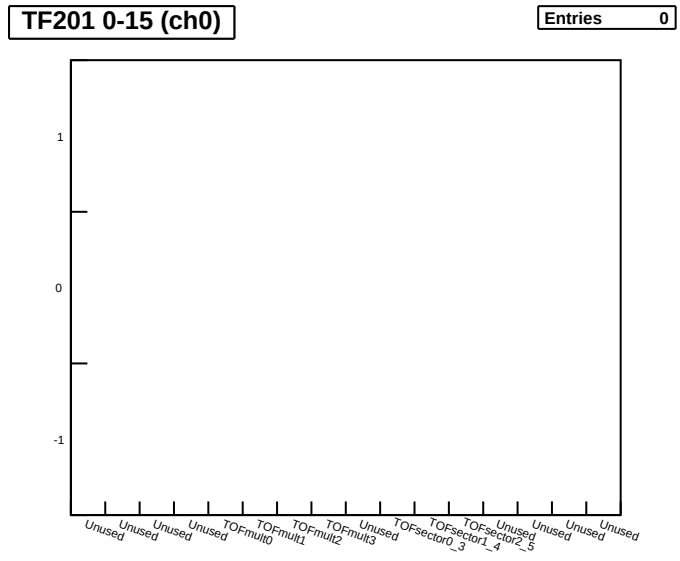

Entries 198663
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

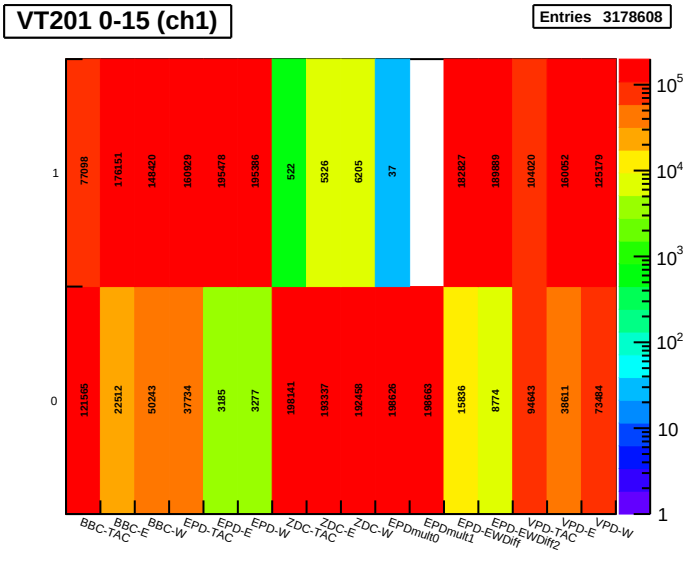

Entries 198663
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

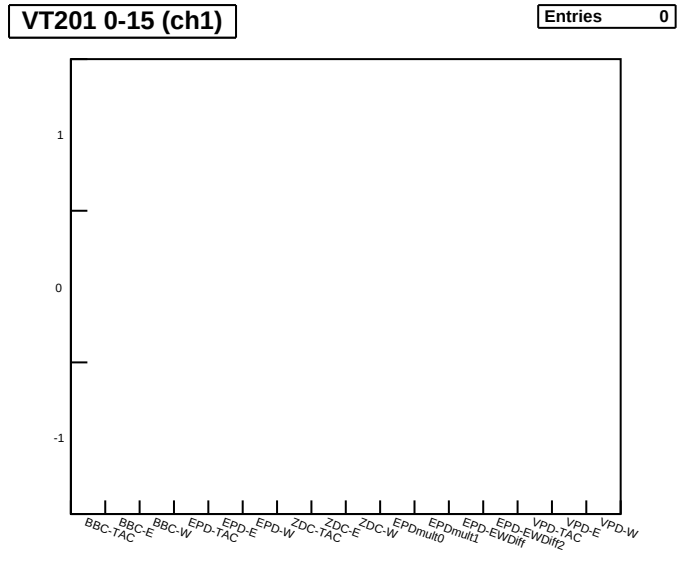

Laser Input Bits
Entries 198663
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

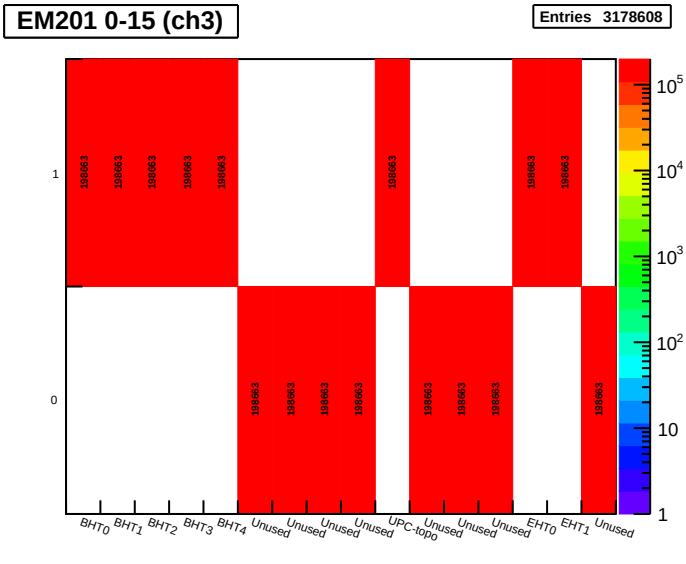

ST201 0-15 (ch6)
Entries 3178608
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
198663
198663
198663
198663
198663
198663
198663
198663
198663
198663
198663
198663
198663
198663
198662
198658
1
5
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

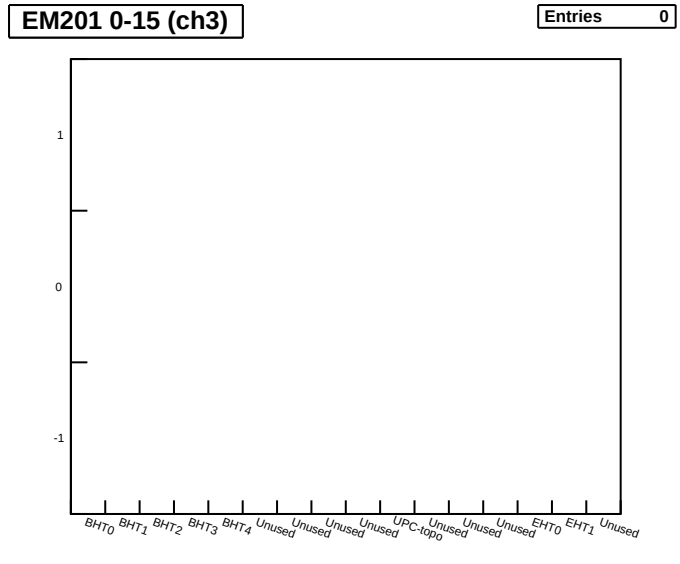

TF201 0-15 (ch0)
Entries 3178608
1
0
198663 198663 198663 1971 18075 27986 81657 198663 32820 31674 181424 198663
198663 198663 198663 198663 198692 180588 170677 117706 165843 166989 17239 198663 198663 198663
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused
10^5 10^4 10^3 10^2 10 1


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


VT201 0-15 (ch1)
Entries 3178608
1
0
121565 22512 50243 37734 3185 3277 198141 193337 192458 198626 198663 15836 8774 94643 38611 73484
77098 176151 148420 160929 195478 195386 522 5326 6205 37 182827 189889 104020 160052 125179
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 3178608
1
0
198663 198663 198663 198663 198663 198663 198663 198663 198663 198663 198663 198663 198663 198663 198663 198663 198663 198663
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