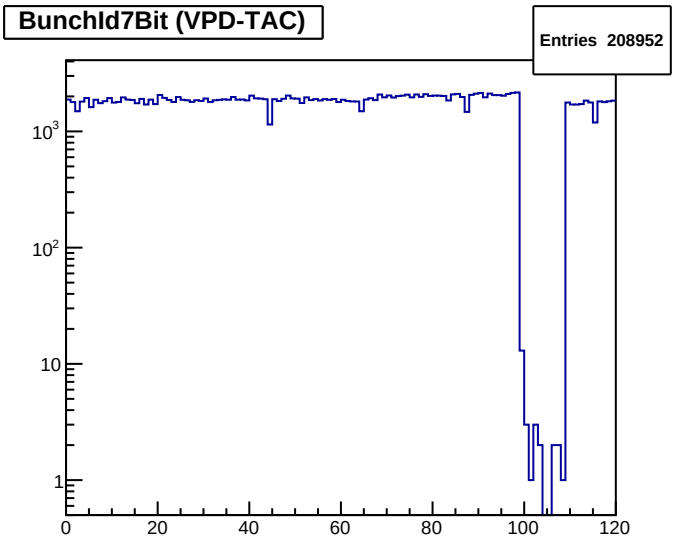
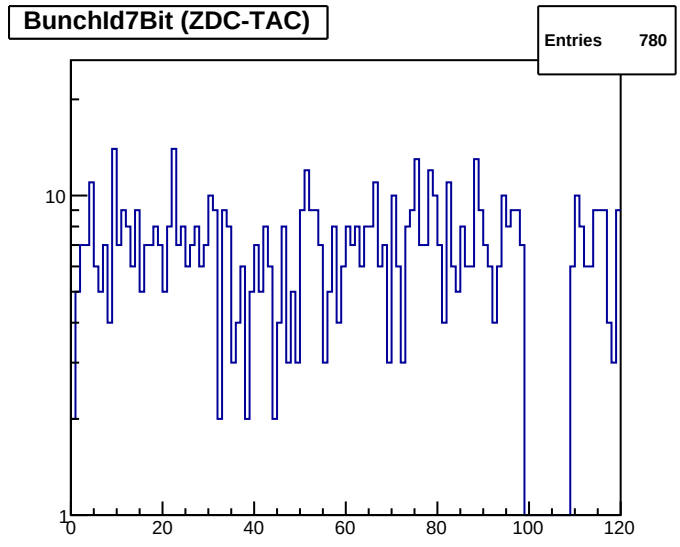
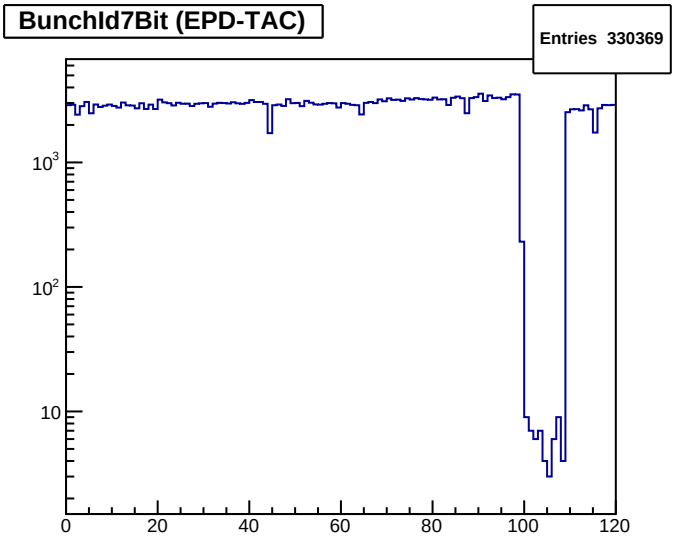
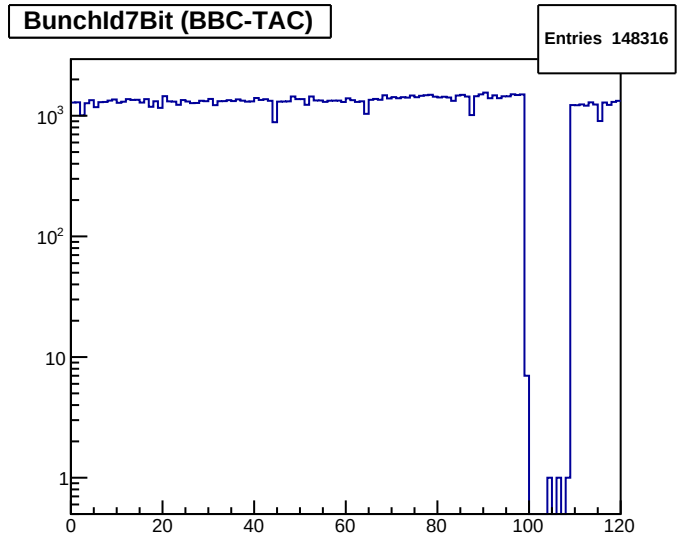
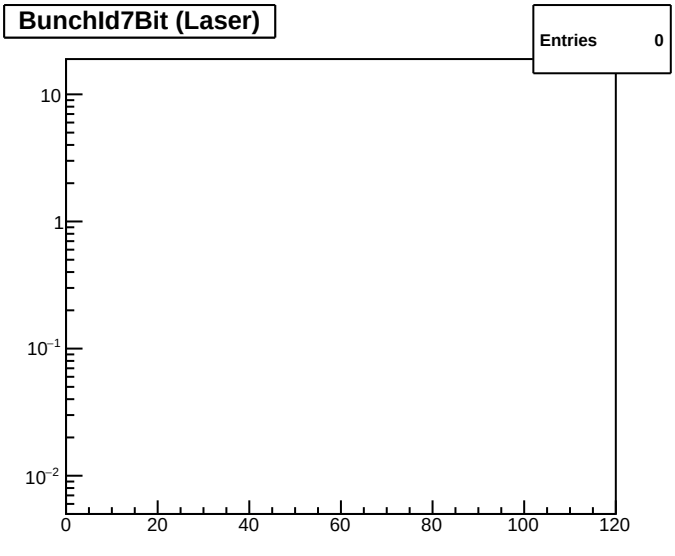
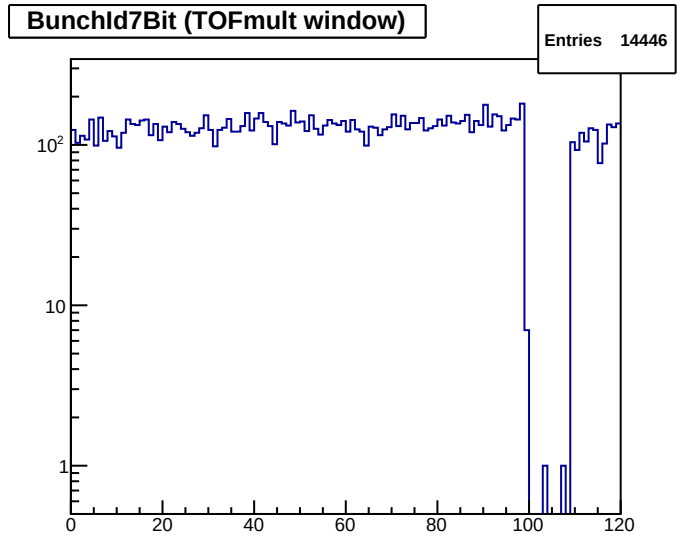

BunchId7Bit (VPD-TAC)
Entries 208952

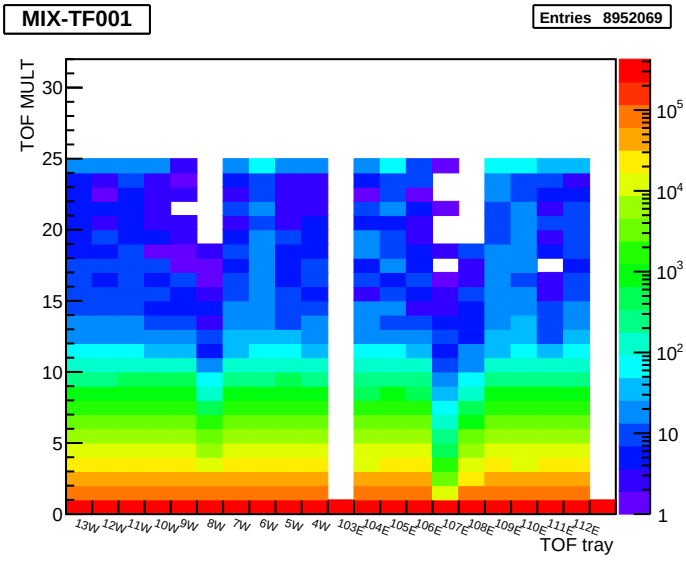

BunchId7Bit (ZDC-TAC)
Entries 780

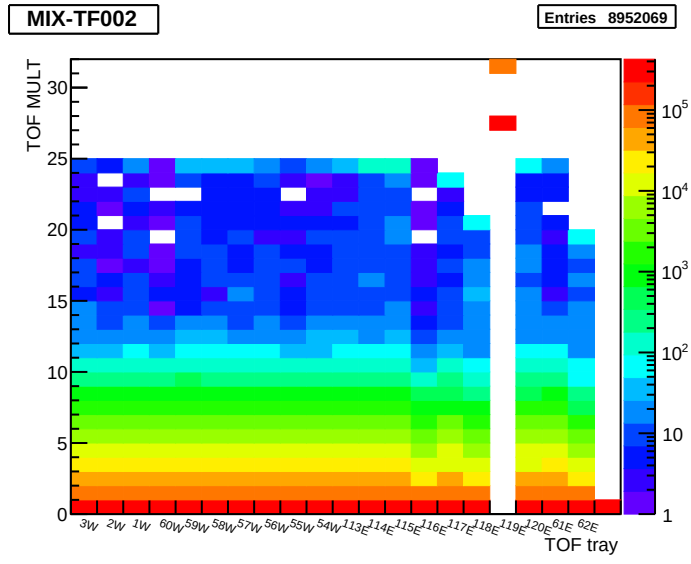

BunchId7Bit (EPD-TAC)
Entries 330369

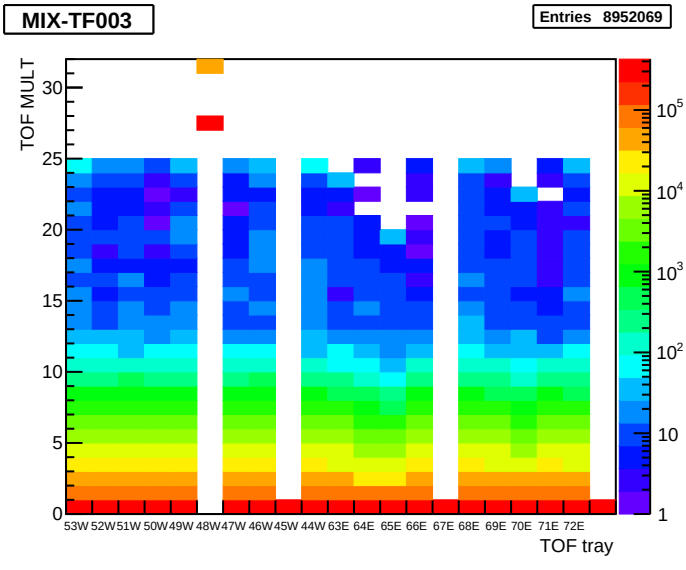

BunchId7Bit (BBC-TAC)
Entries 148316

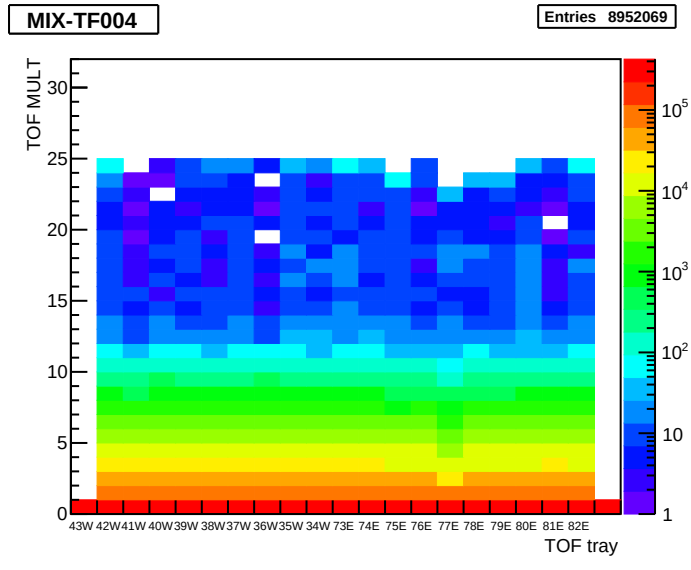

BunchId7Bit (Laser)
Entries 0

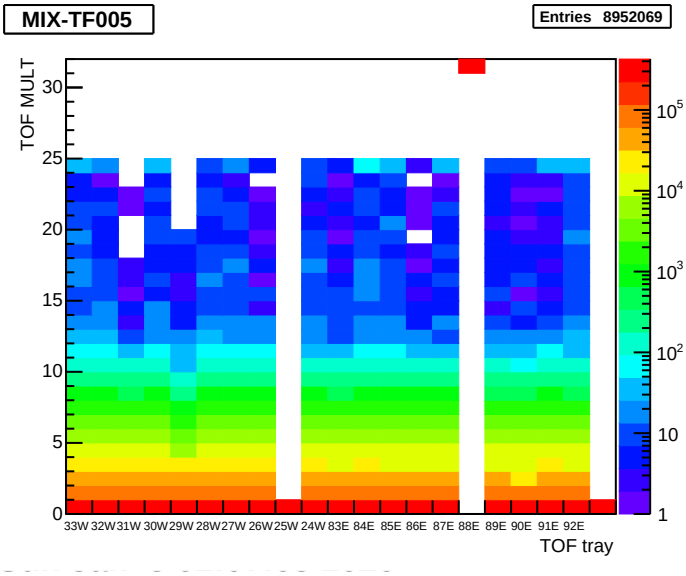

BunchId7Bit (TOFmult window)
Entries 14446

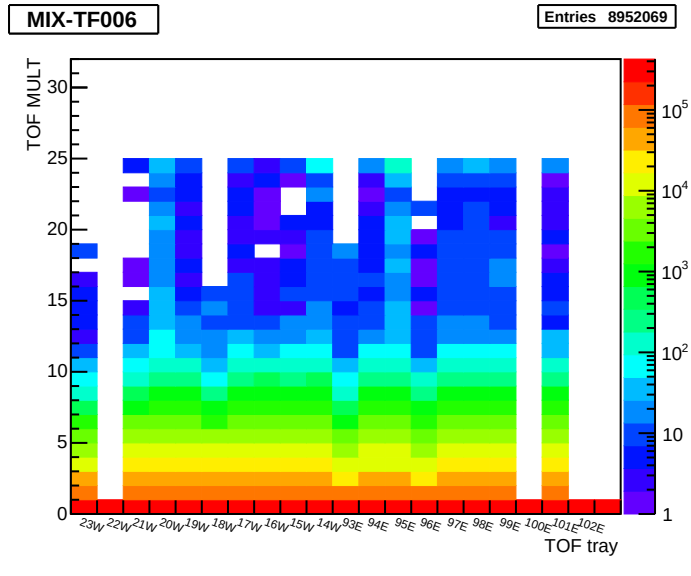

MIX-TF001
Entries 8952069
TOF MULT
TOF tray

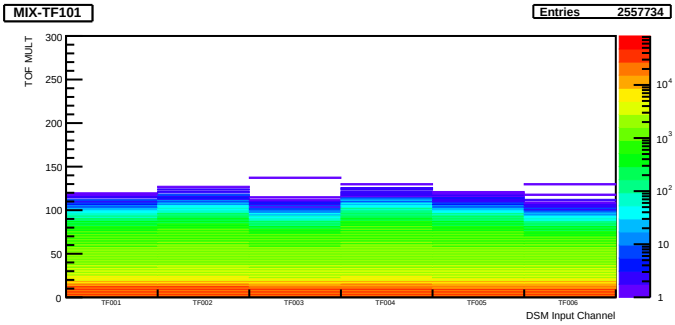

MIX-TF002
Entries 8952069
TOF MULT
TOF tray

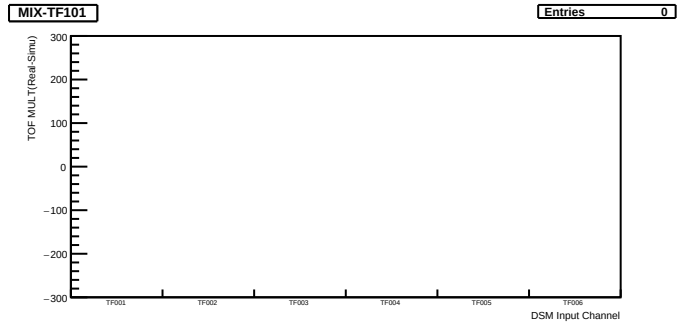

MIX-TF003
Entries 8952069
TOF MULT
TOF tray

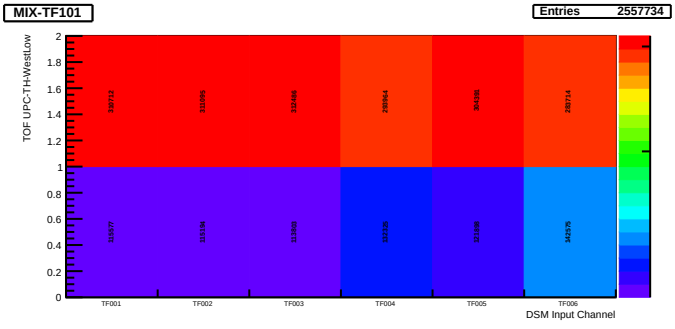

MIX-TF004
Entries 8952069
TOF MULT
TOF tray

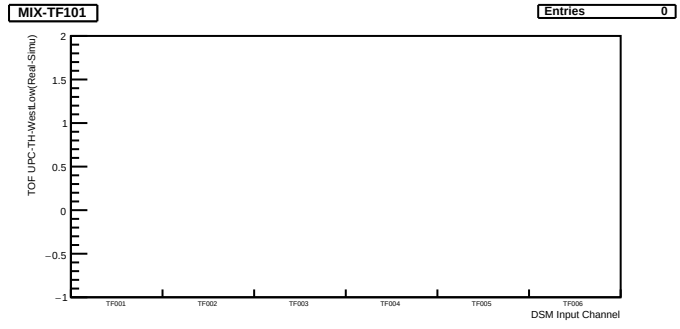

MIX-TF005
Entries 8952069
TOF MULT
TOF tray

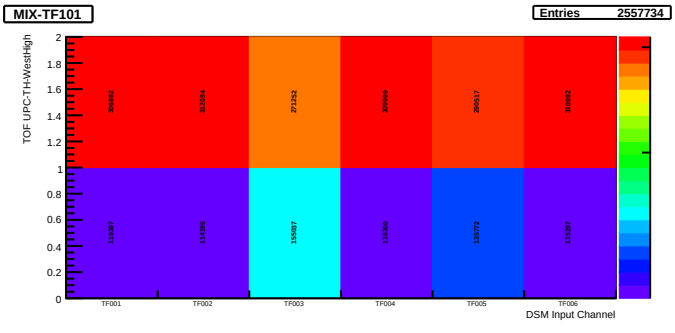

MIX-TF006
Entries 8952069
TOF MULT
TOF tray

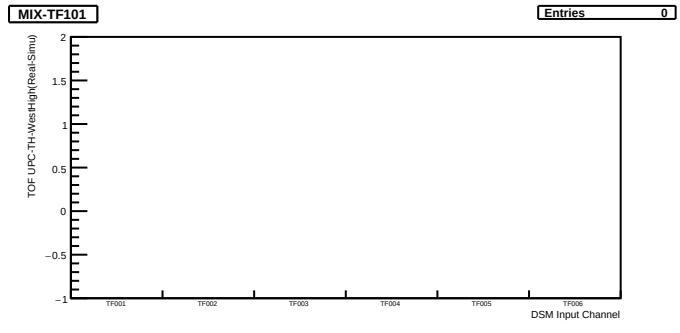

MIX-TF101
Entries 2557734
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

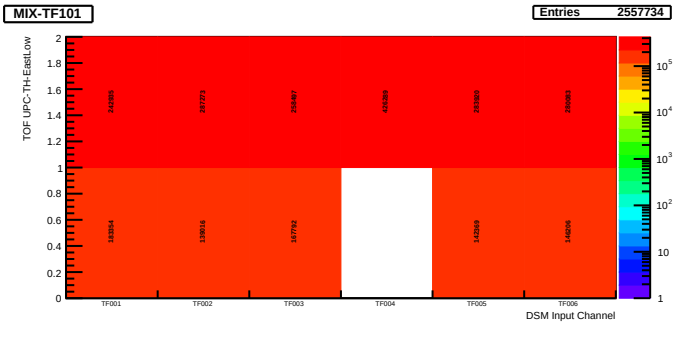

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

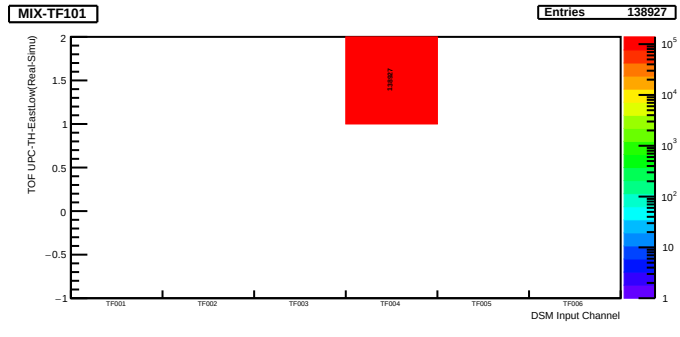

MIX-TF101
Entries 2557734
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

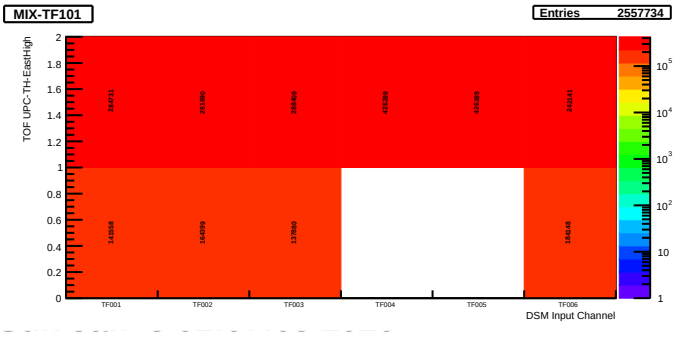

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

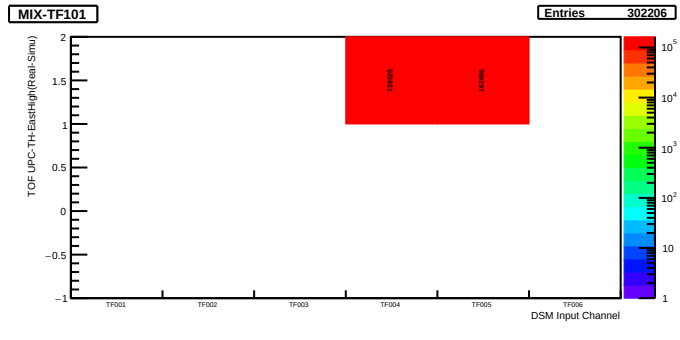

MIX-TF101
Entries 2557734
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

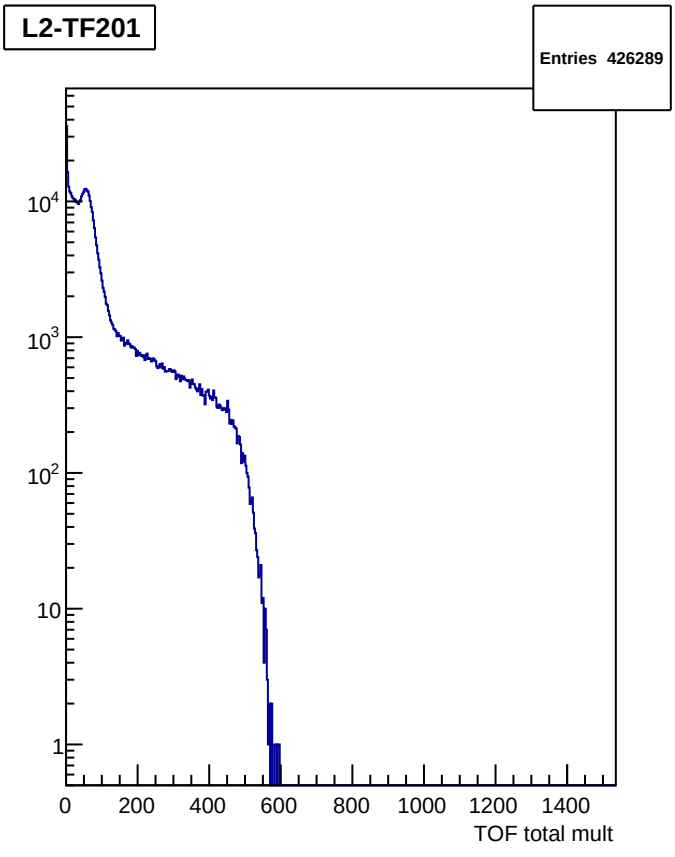

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

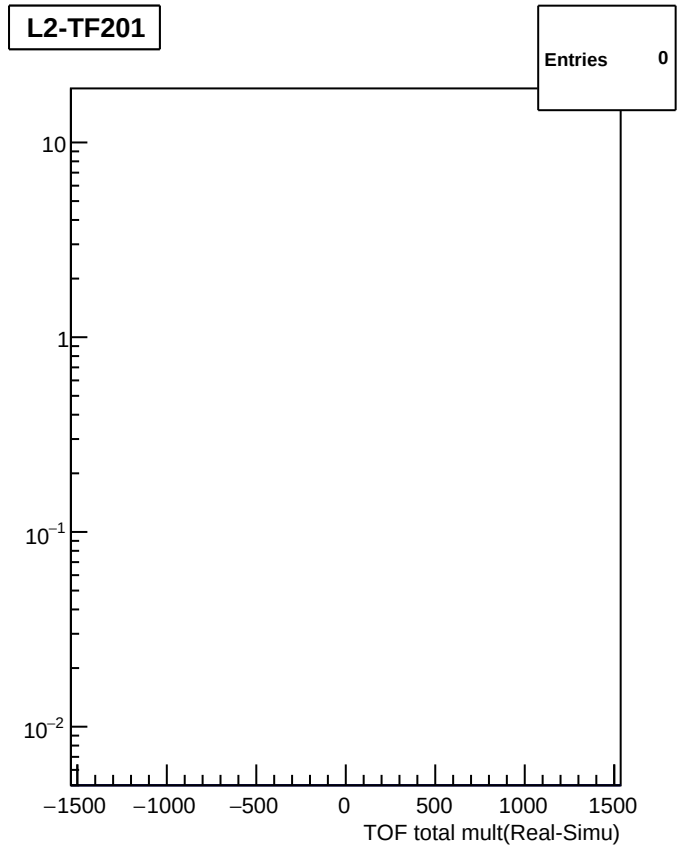

MIX-TF101
Entries 2557734
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

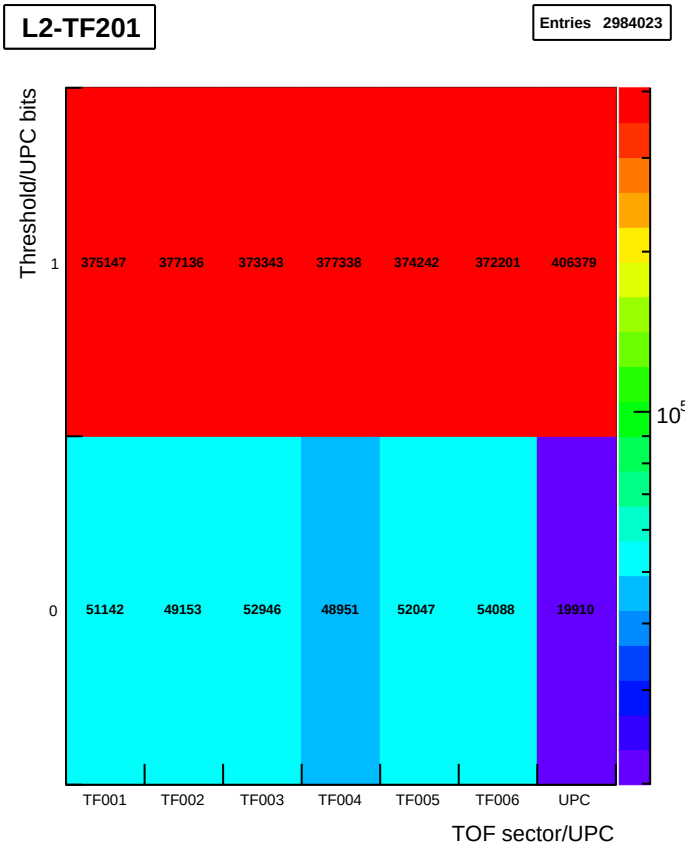

MIX-TF101
Entries 138927
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

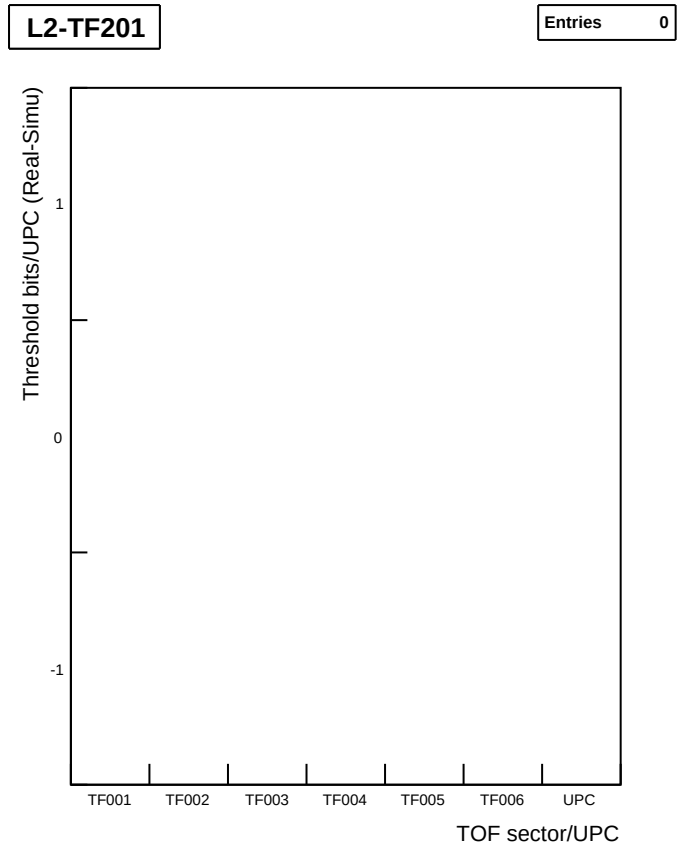

MIX-TF101
Entries 2557734
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

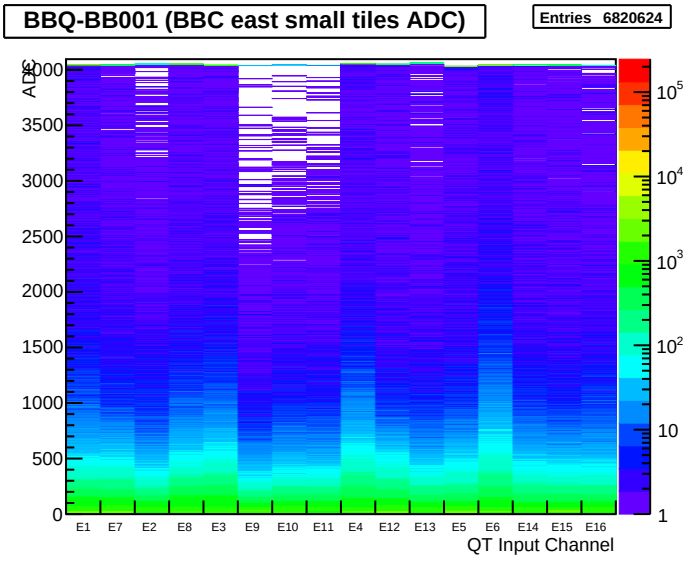

MIX-TF101
Entries 302206
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

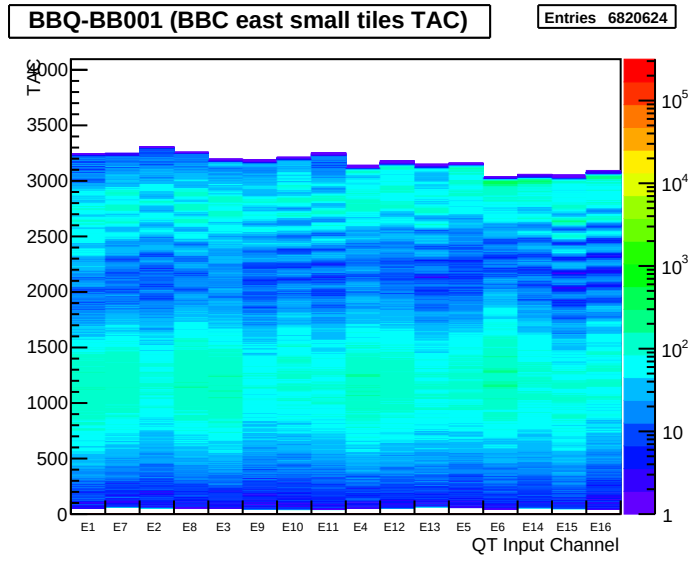

L2-TF201
Entries 426289
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

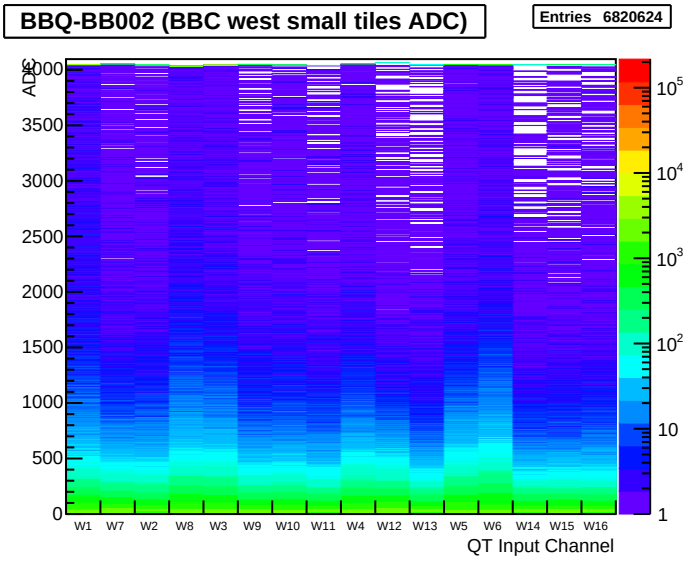

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

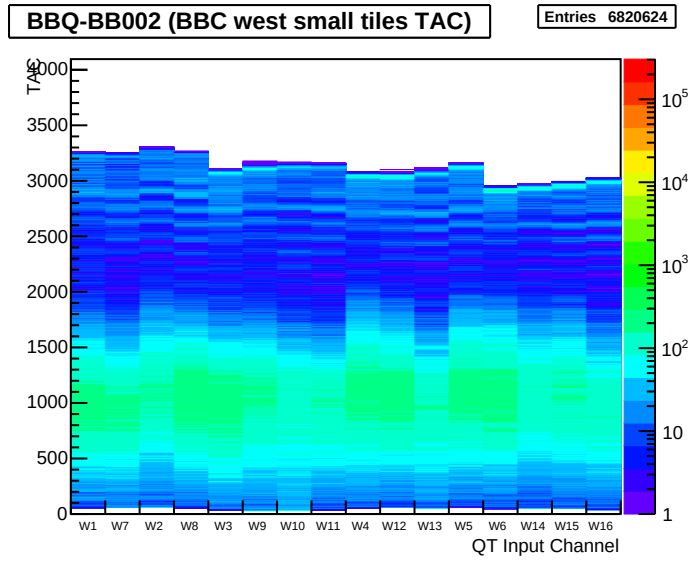

L2-TF201
Entries 2984023
Threshold/UPC bits
1
0
375147
377136
373343
377338
374242
372201
406379
51142
49153
52946
48951
52047
54088
19910
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

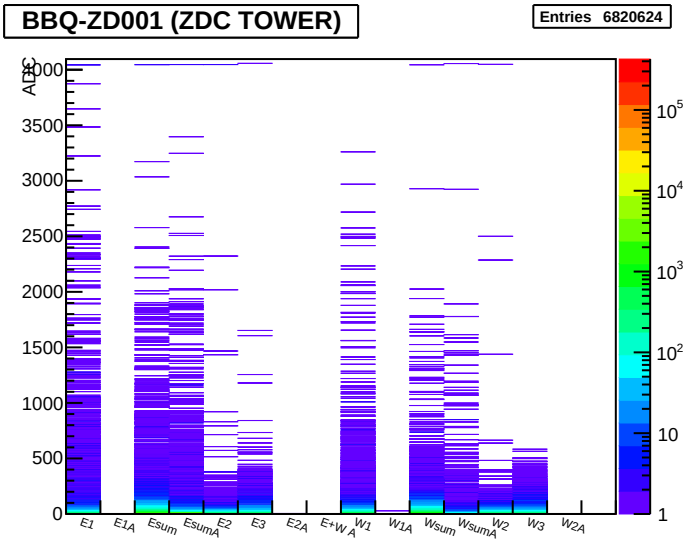

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

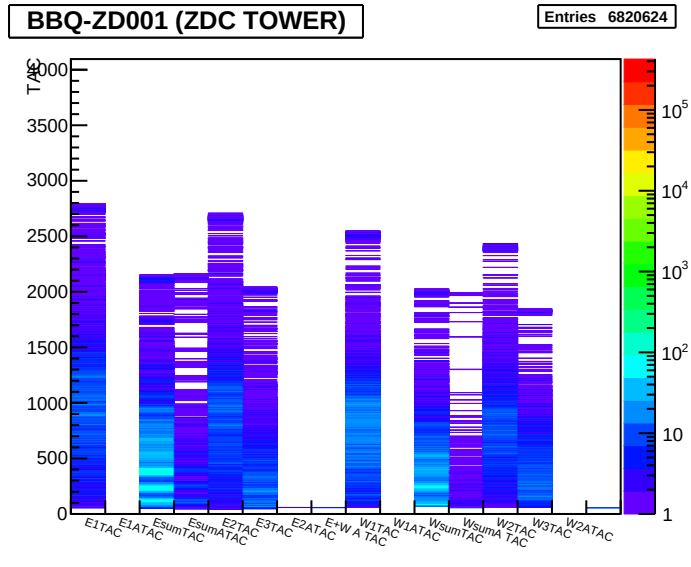

BBQ-BB001 (BBC east small tiles ADC)
Entries 6820624
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

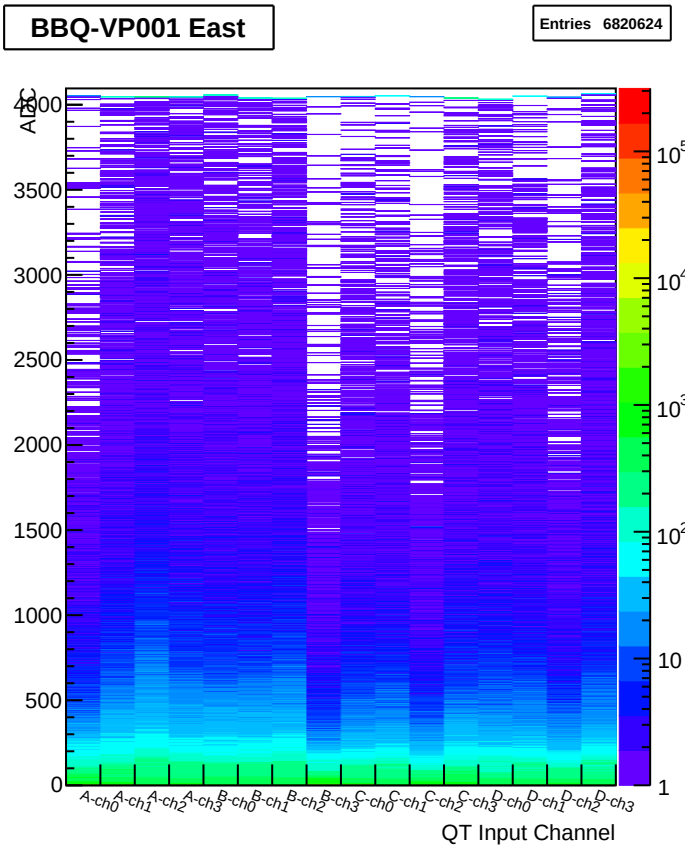

BBQ-BB001 (BBC east small tiles TAC)
Entries 6820624
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

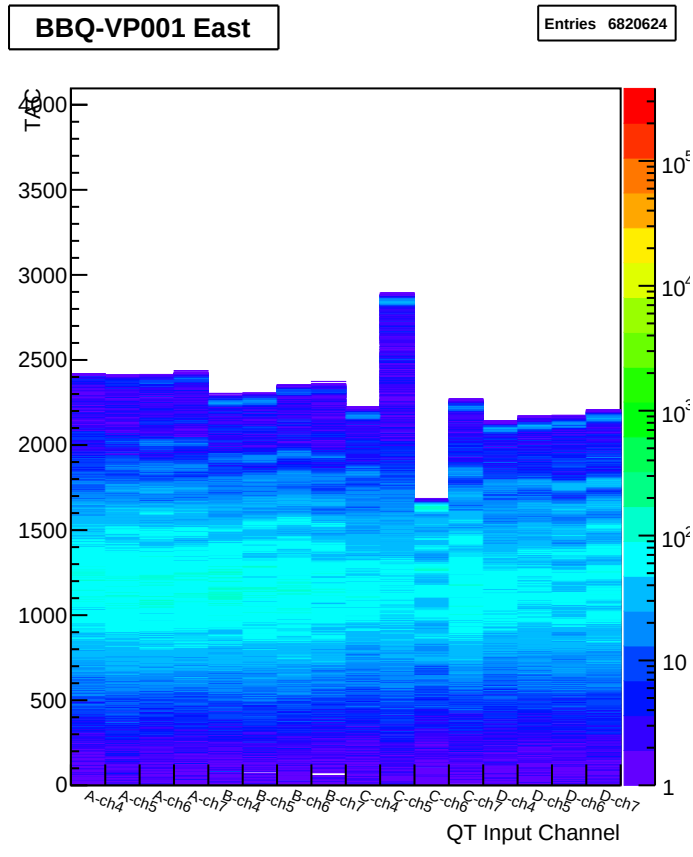

BBQ-BB002 (BBC west small tiles ADC)
Entries 6820624
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

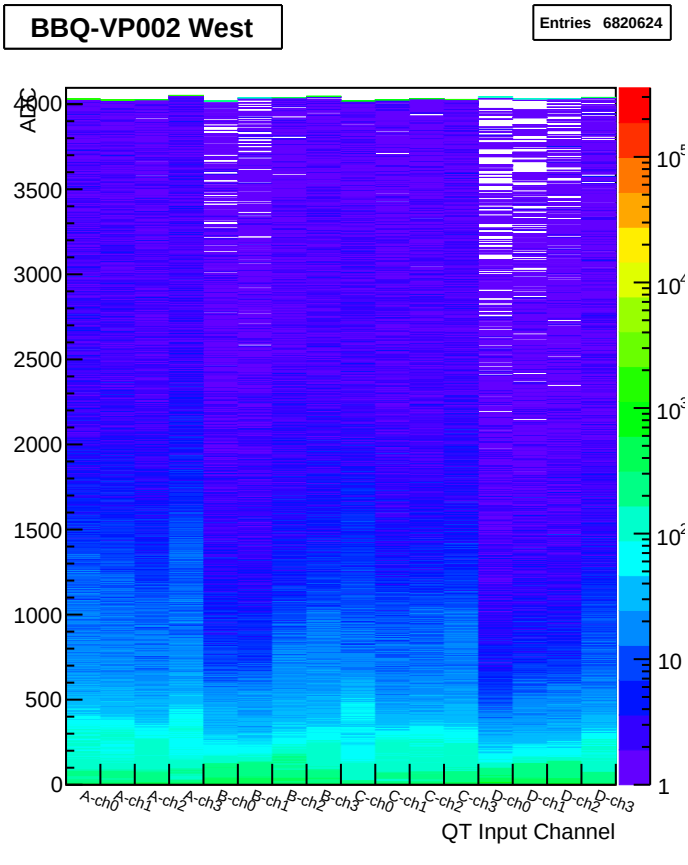

BBQ-BB002 (BBC west small tiles TAC)
Entries 6820624
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

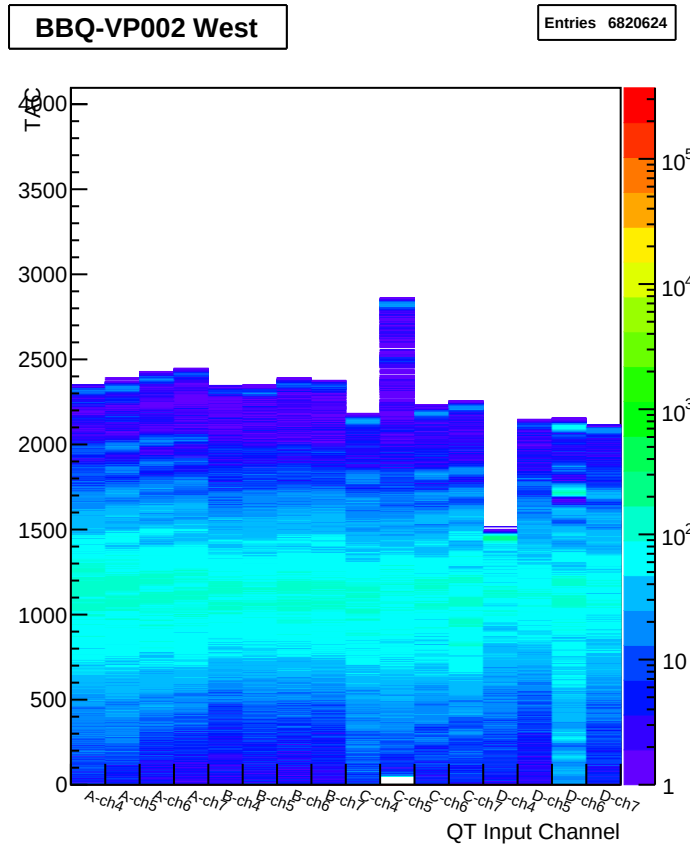

BBQ-ZD001 (ZDC TOWER)
Entries 6820624
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

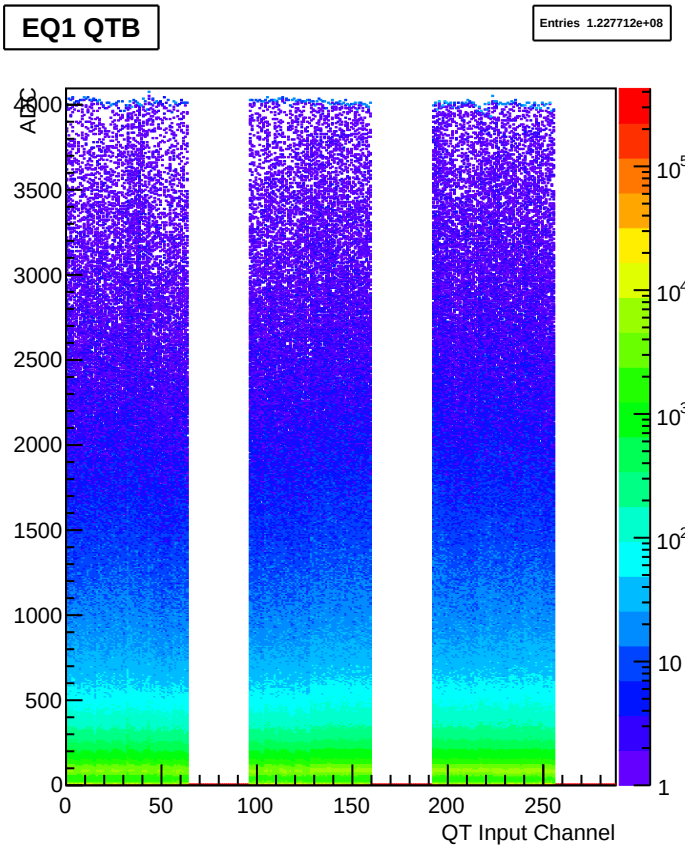

BBQ-ZD001 (ZDC TOWER)
Entries 6820624
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

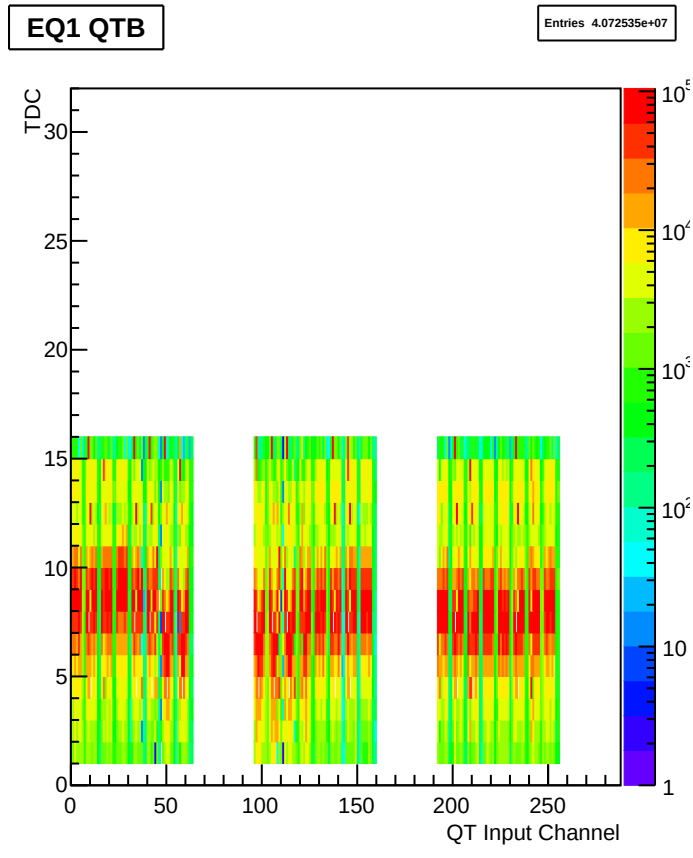

BBQ-VP001 East
Entries 6820624
ADC
QT Input Channel

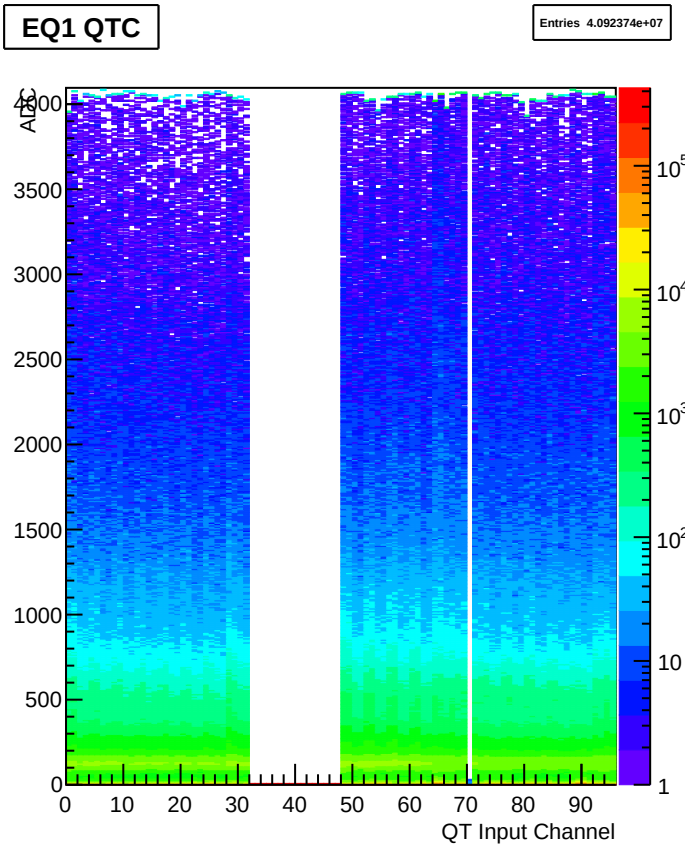

BBQ-VP001 East
Entries 6820624
TADC
QT Input Channel

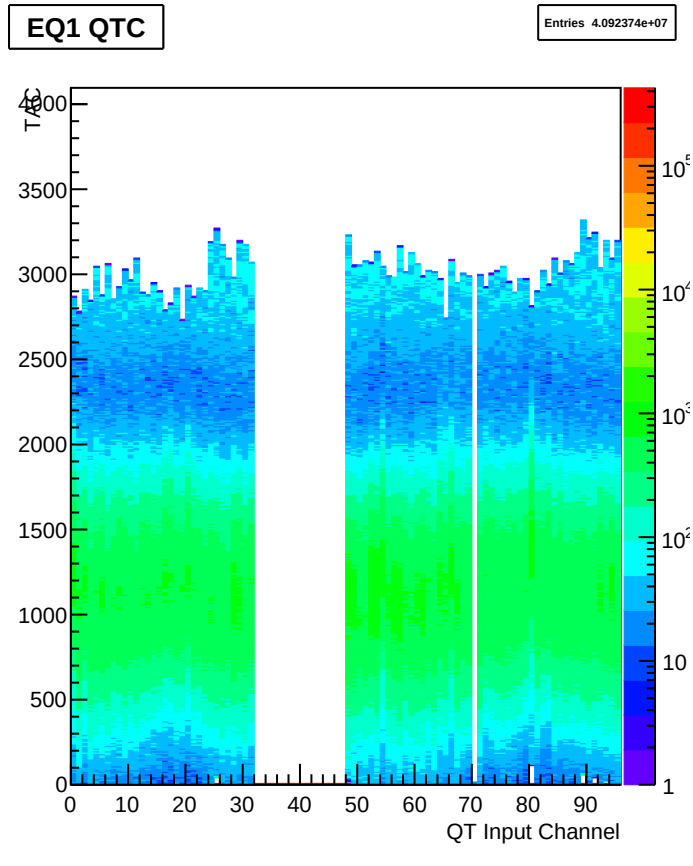

BBQ-VP002 West
Entries 6820624
ADC
QT Input Channel

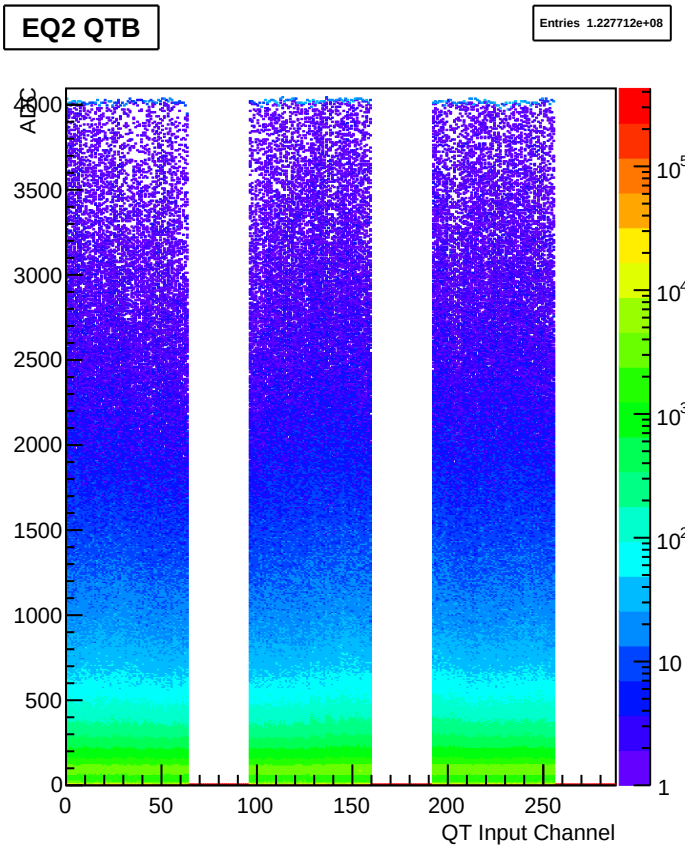

BBQ-VP002 West
Entries 6820624
TADC
QT Input Channel

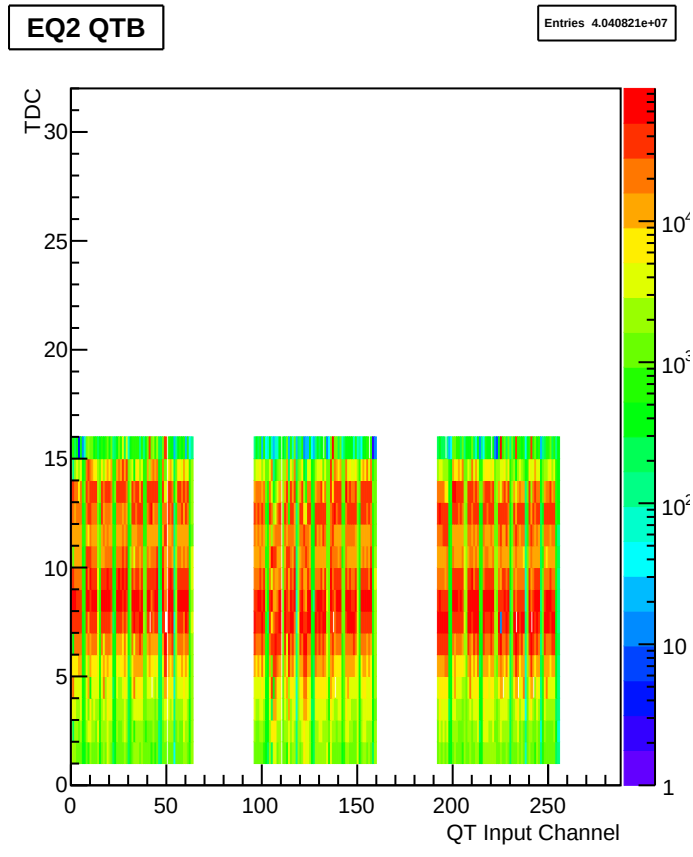

EQ1 QTB
Entries 1.227712e+08
ADC
QT Input Channel

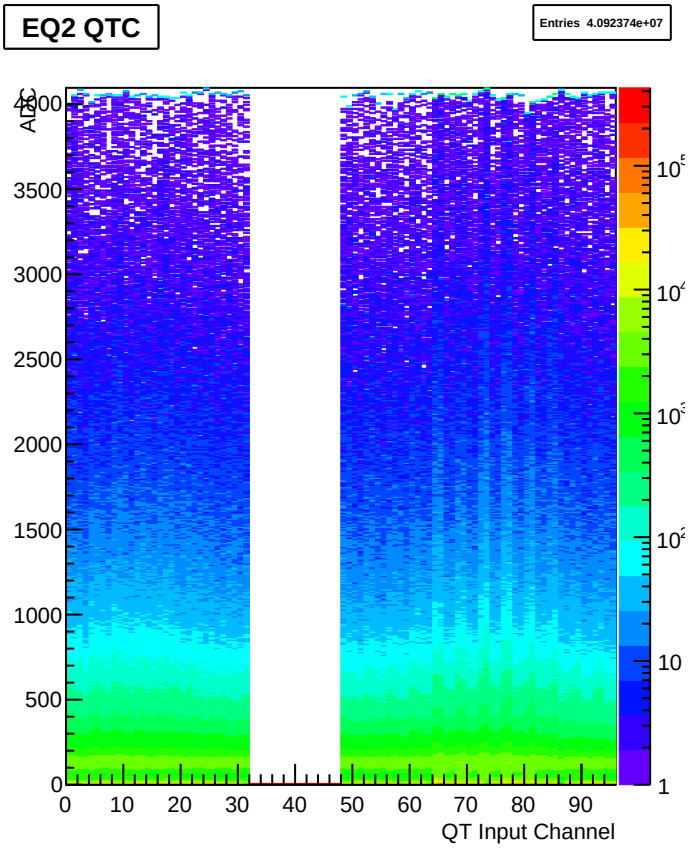

EQ1 QTB
Entries 4.072535e+07
TDC
QT Input Channel

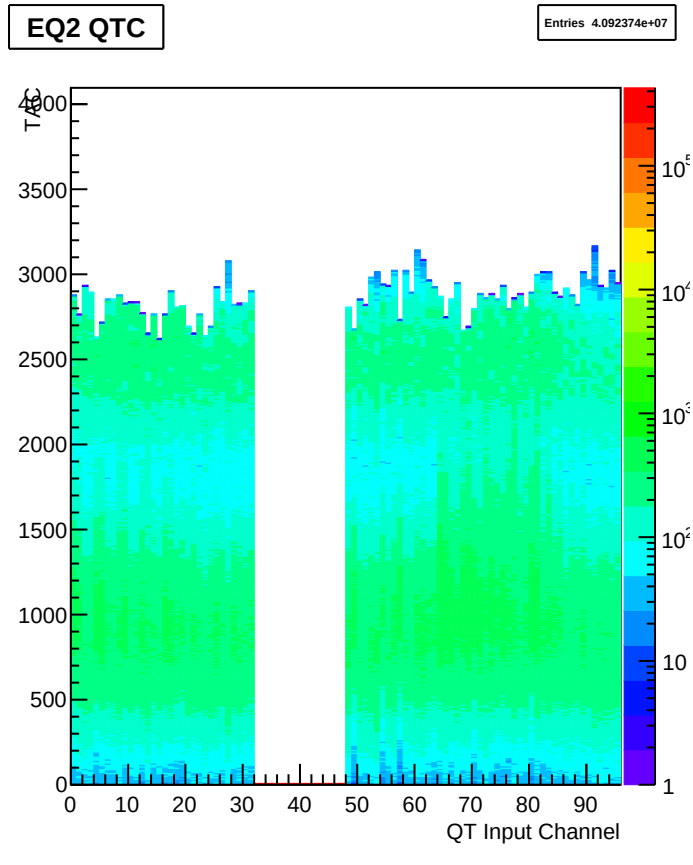

EQ1 QTC
Entries 4.092374e+07
ADC
QT Input Channel

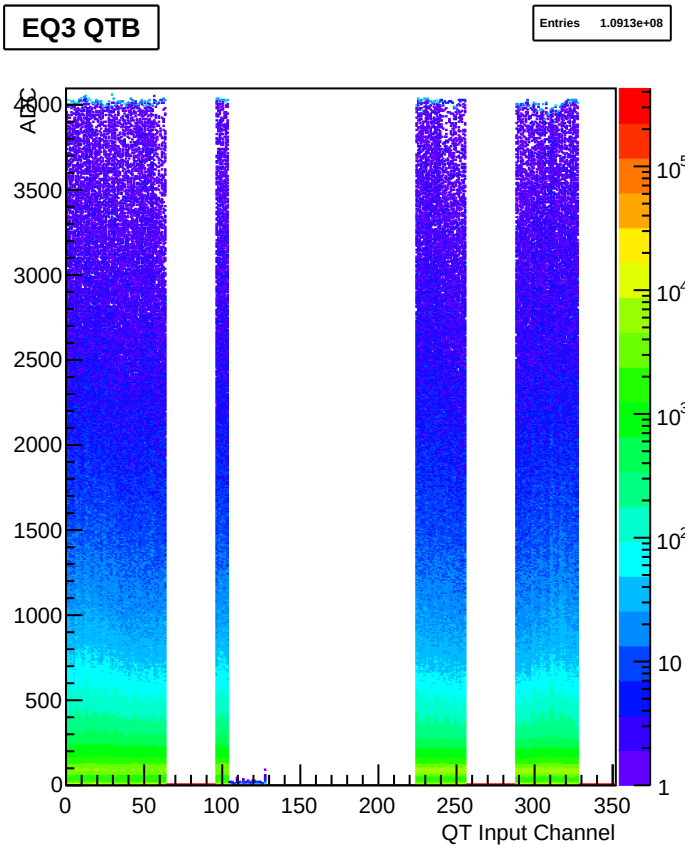

EQ1 QTC
Entries 4.092374e+07
TADC
QT Input Channel

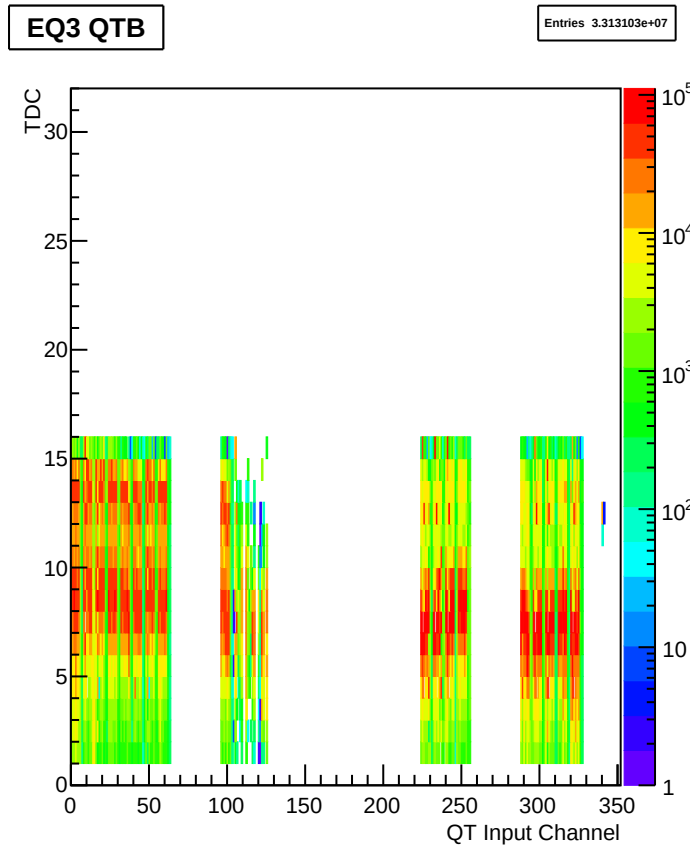

EQ2 QTB
Entries 1.227712e+08
ADC
QT Input Channel

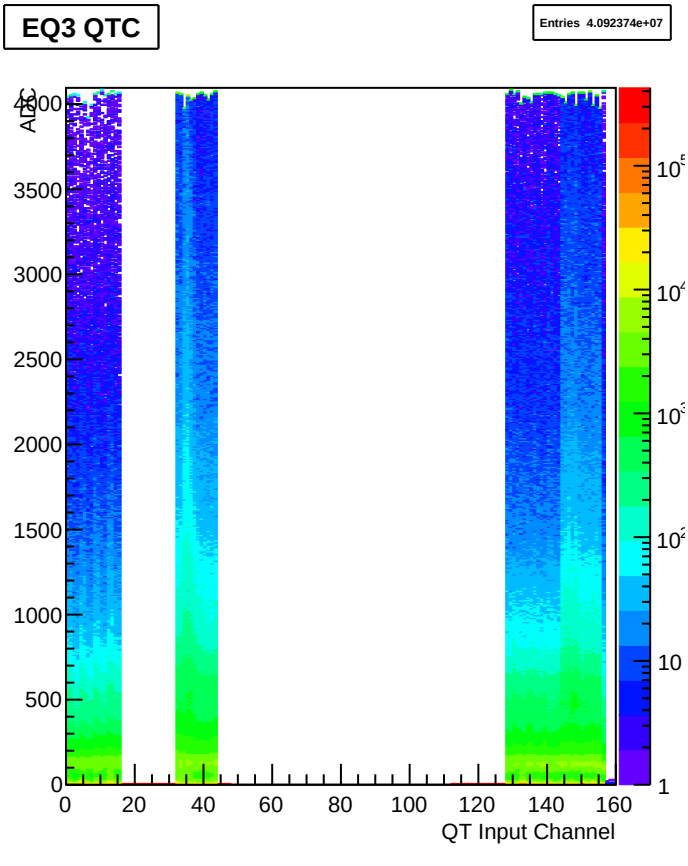

EQ2 QTB
Entries 4.040821e+07
TDC
QT Input Channel

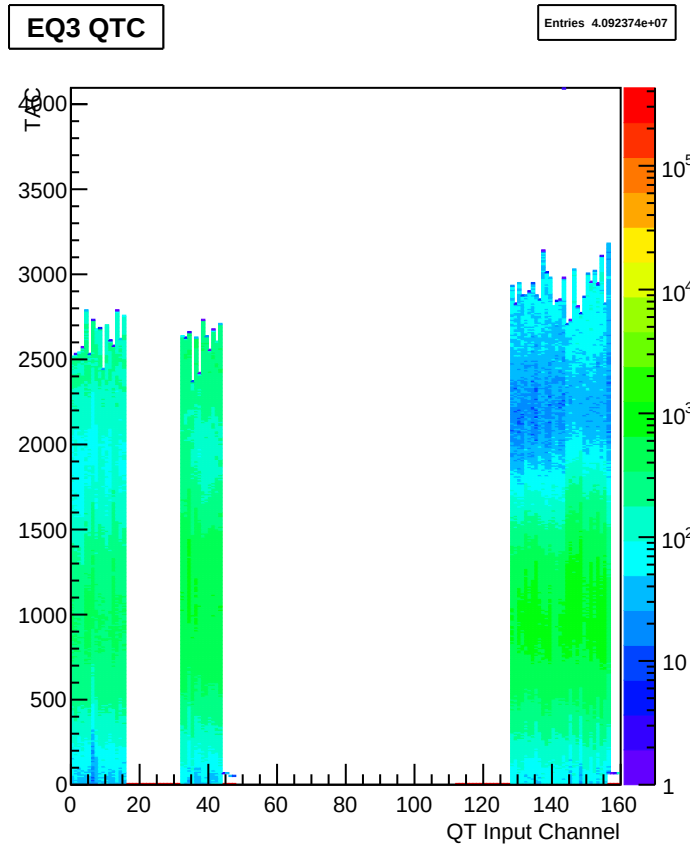

EQ2 QTC
Entries 4.092374e+07
ADC
QT Input Channel

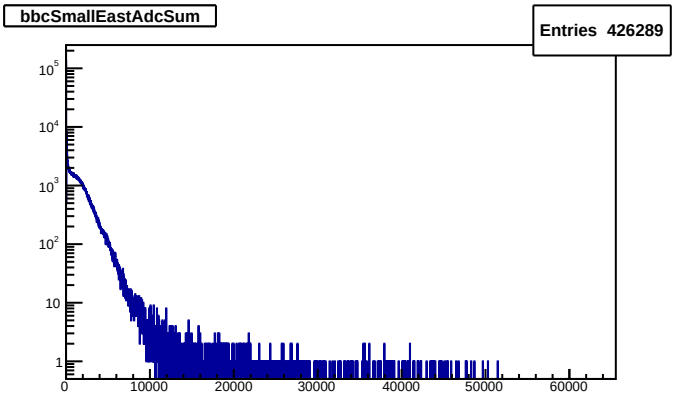

EQ2 QTC
Entries 4.092374e+07
TADC
QT Input Channel

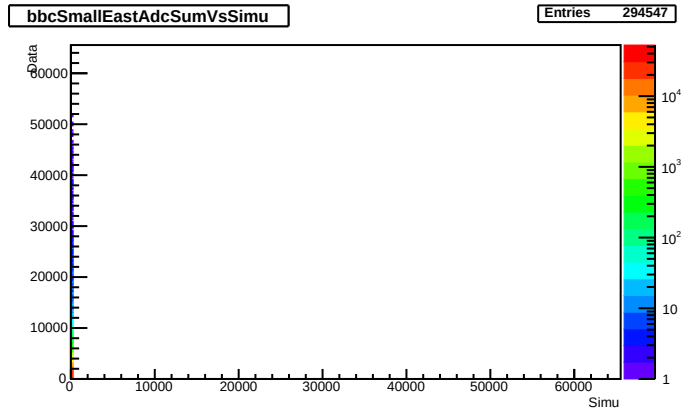

EQ3 QTB
Entries 1.0913e+08
ADC
QT Input Channel

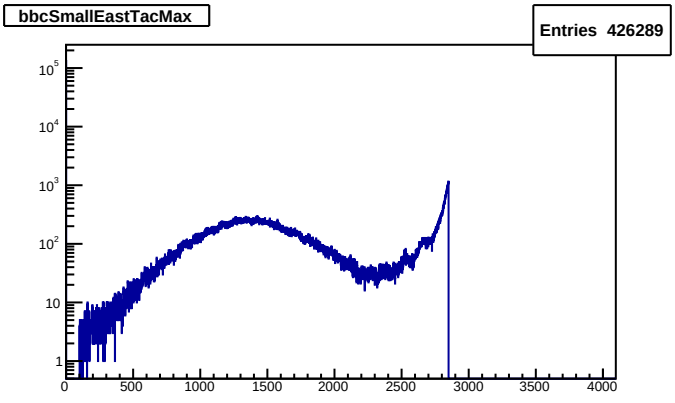

EQ3 QTB
Entries 3.313103e+07
TDC
QT Input Channel

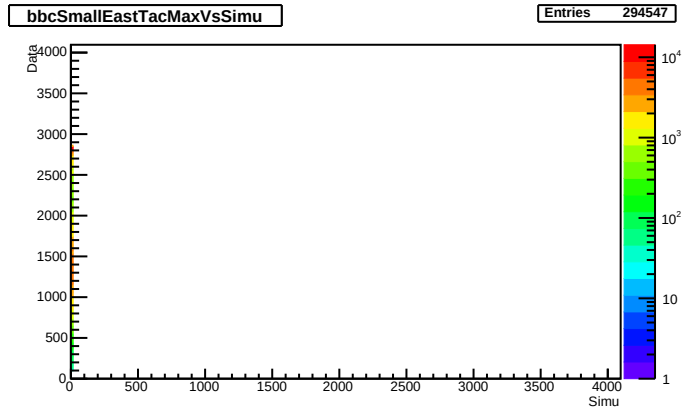

EQ3 QTC
Entries 4.092374e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.092374e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 426289


bbcSmallEastAdcSumVsSimu
Entries 294547
Data
Simu


bbcSmallEastTacMax
Entries 426289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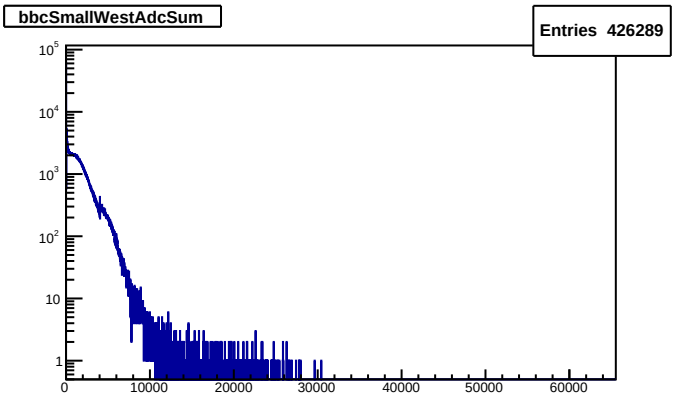
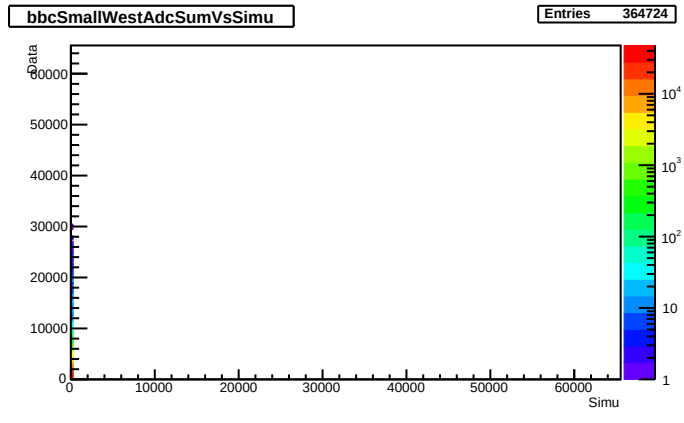
Entries 294547
Data
Simu


bbcSmallWestAdcSum
Entries 426289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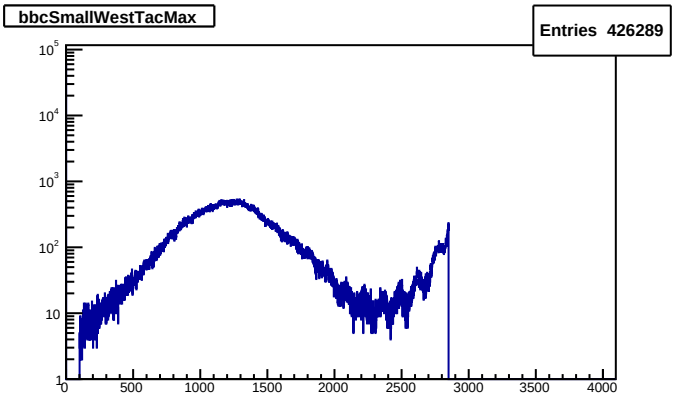
Entries 364724
Data
Simu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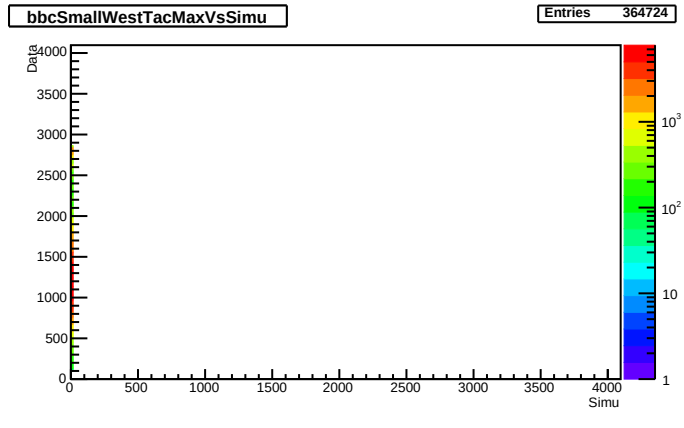
Entries 426289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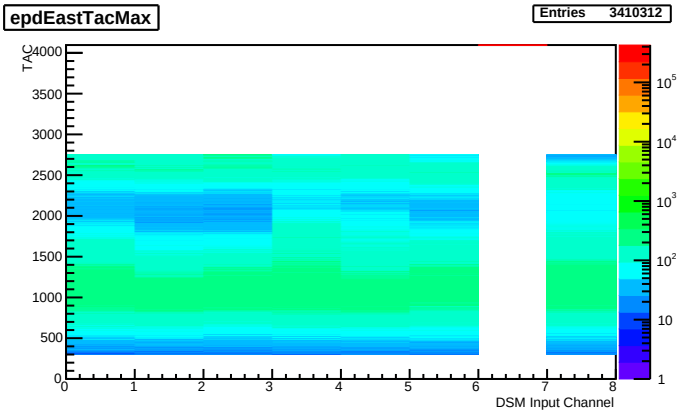
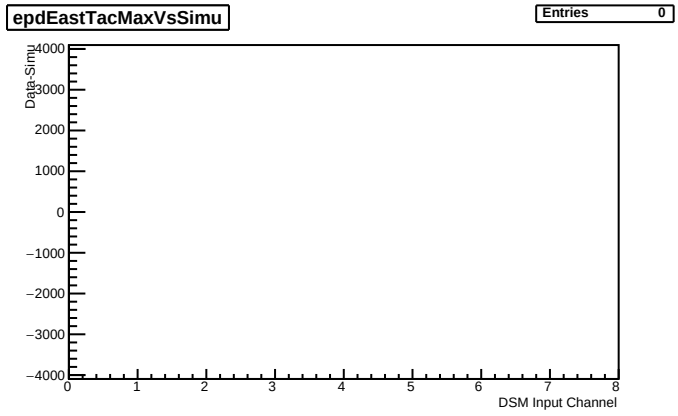
Entries 364724
Data
Simu


epdEastTacMax
Entries 3410312
TAC
DSM Input Channel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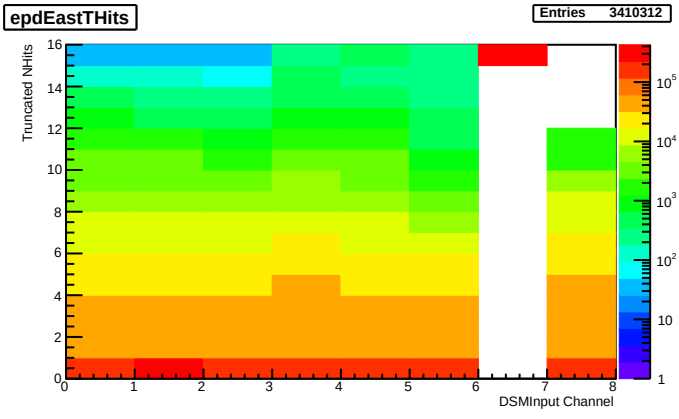
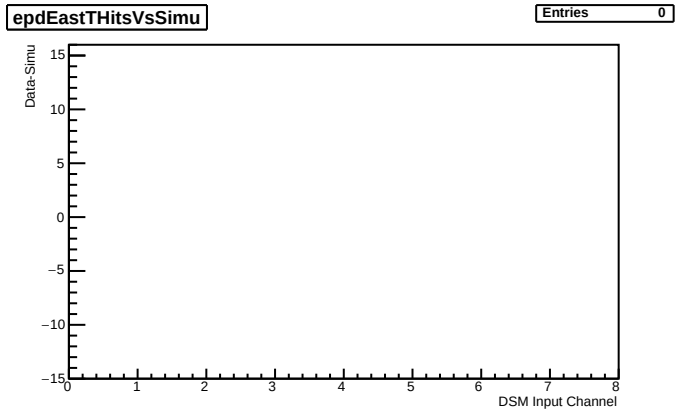
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3410312
Truncated NHits
DSMInput Channel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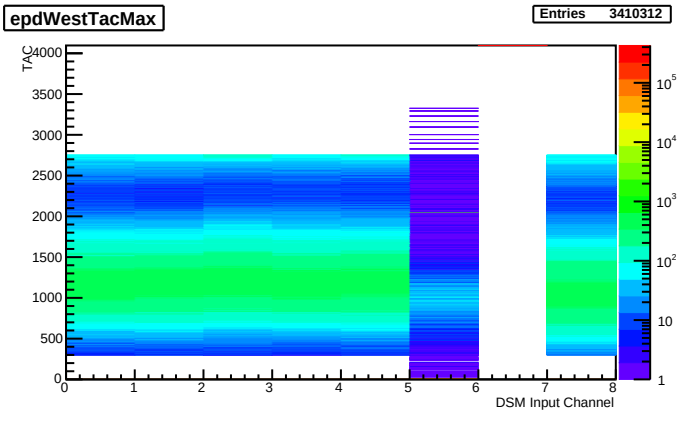
Data-Simu
DSM Input Channel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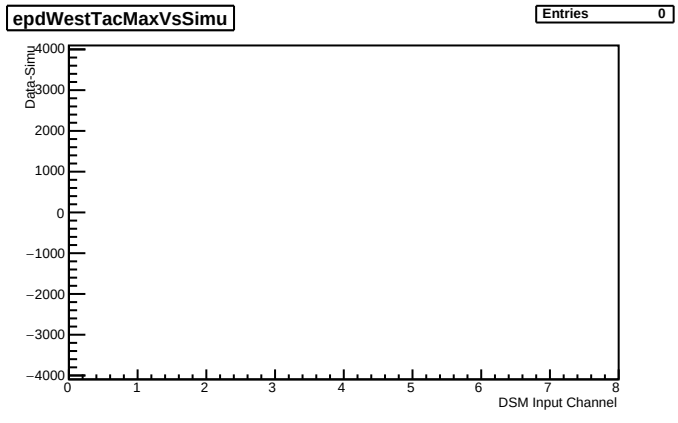
Entries 3410312
TAC
DSM Input Channel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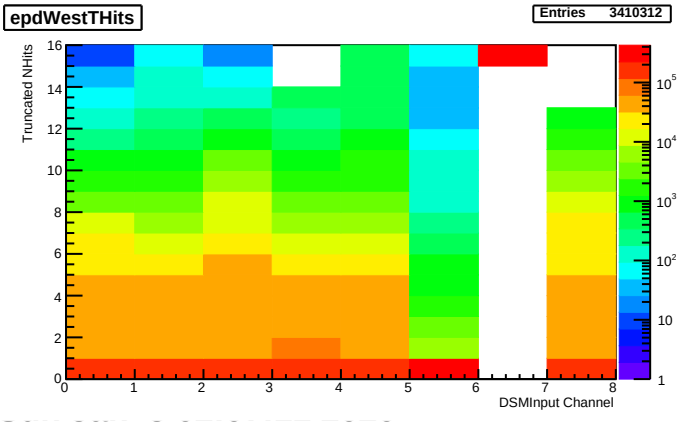
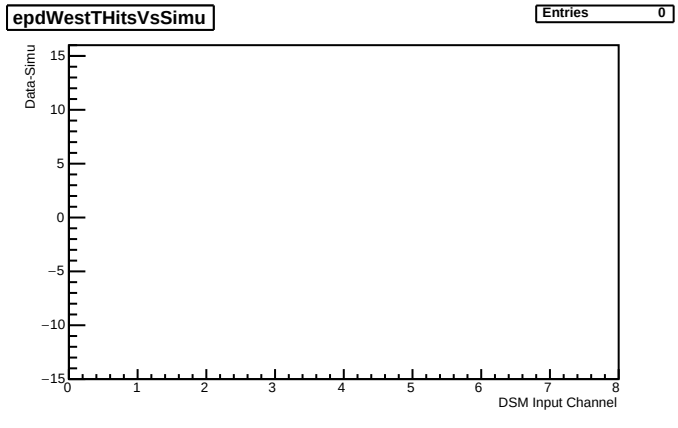
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3410312
Truncated NHits
DSMInput Channel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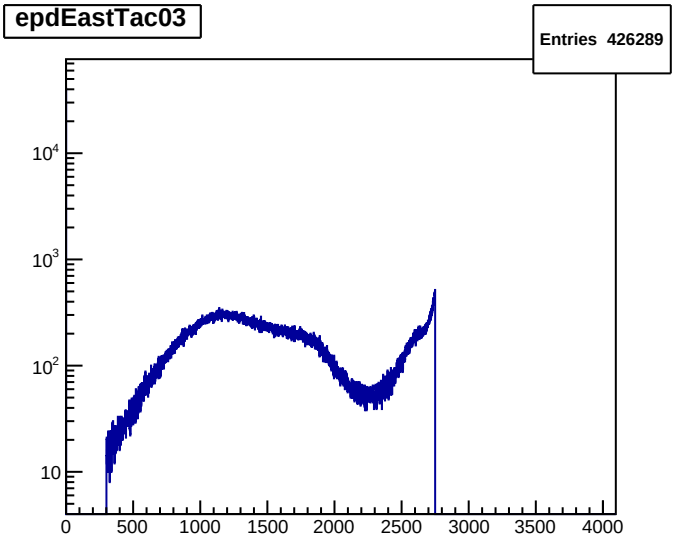
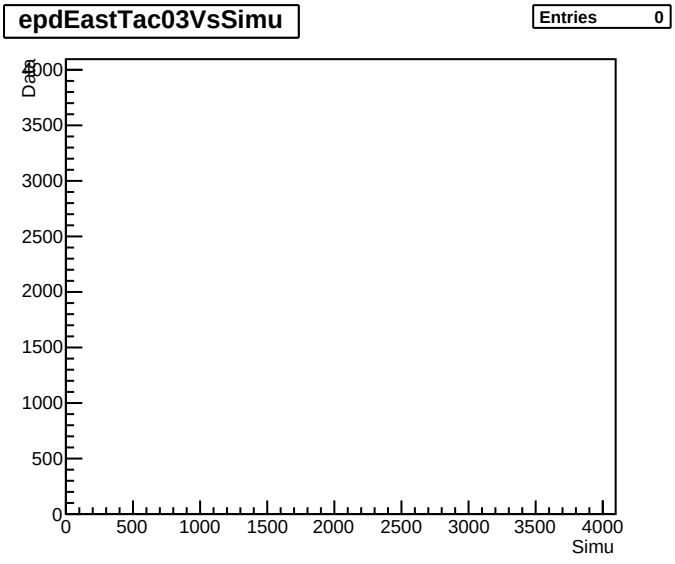
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 426289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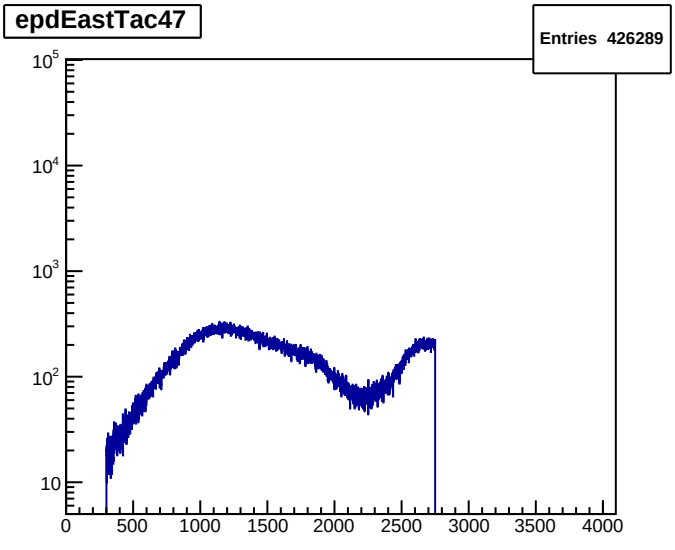
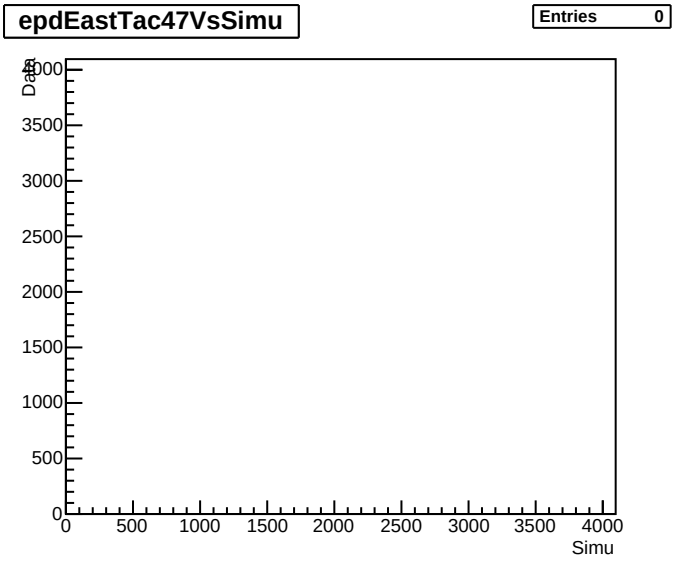
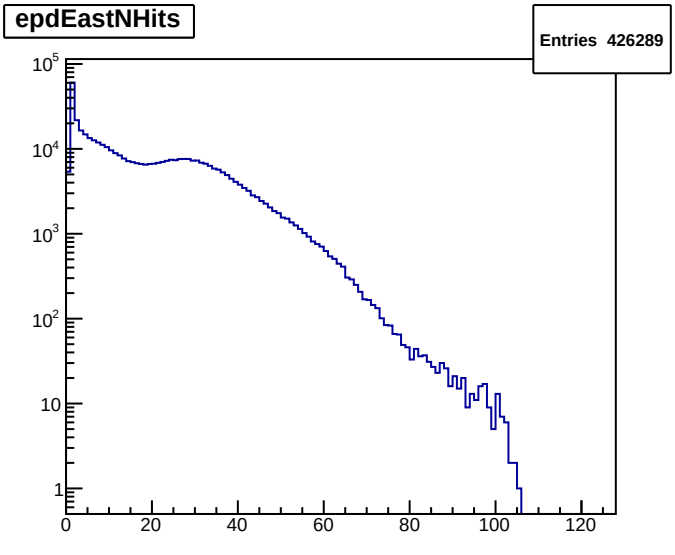
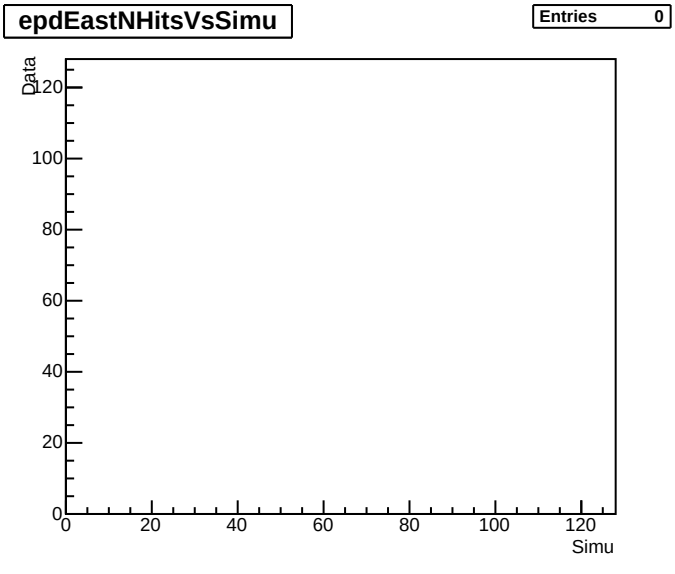
Entries 0
Data
Simu


epdEastTac47
Entries 426289


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 426289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Entries 0
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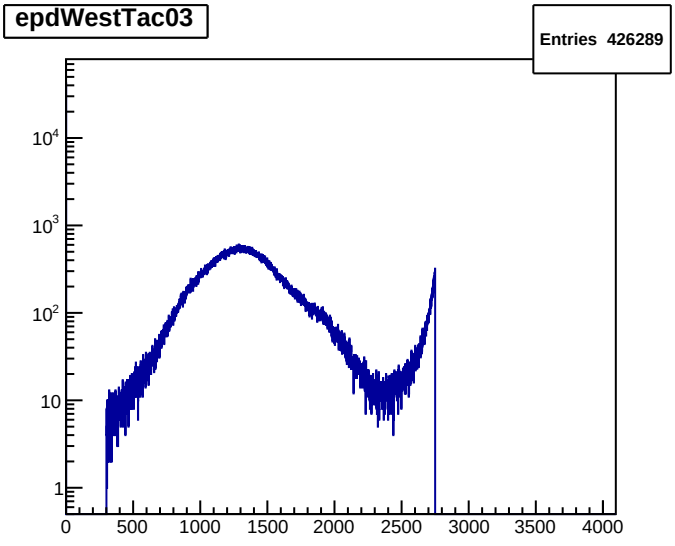
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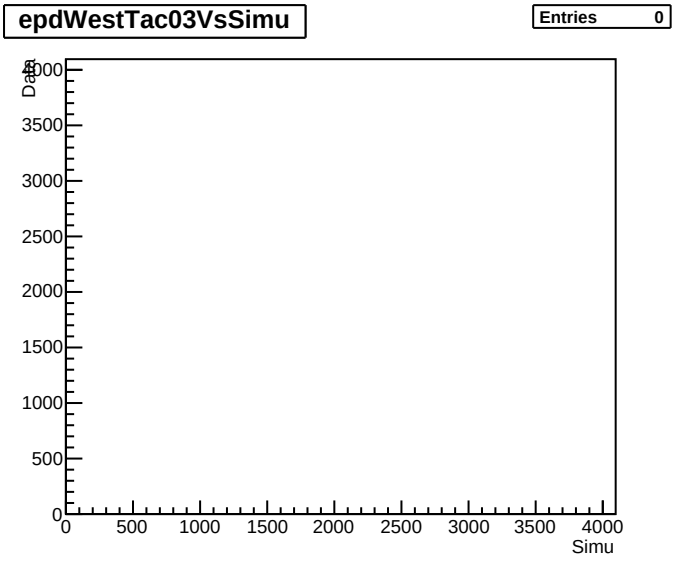
Entries 426289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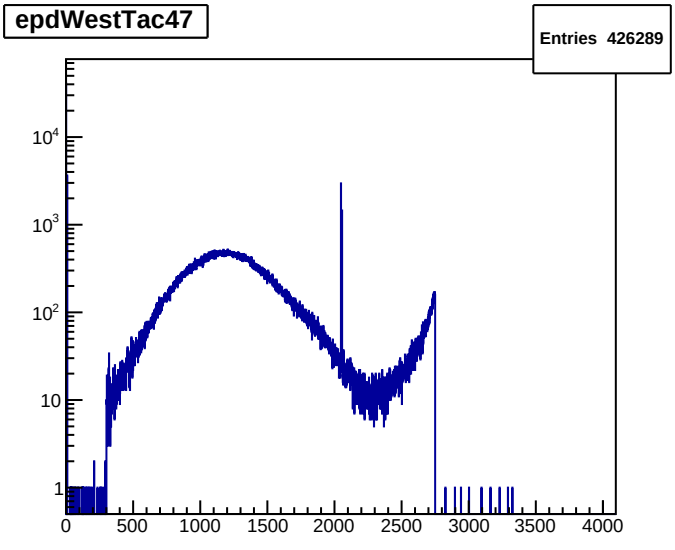
Entries 0
Data
Simu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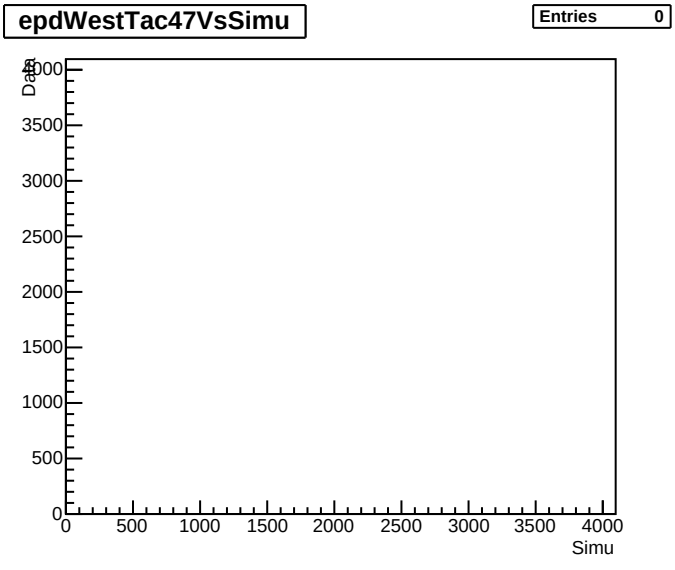
Entries 426289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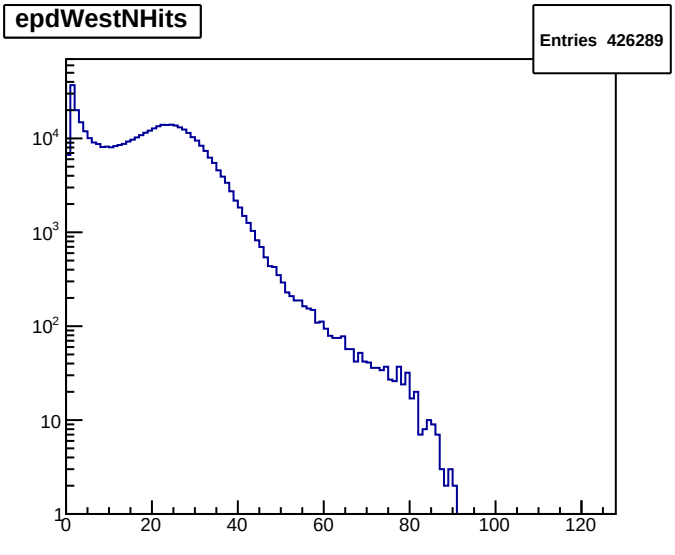
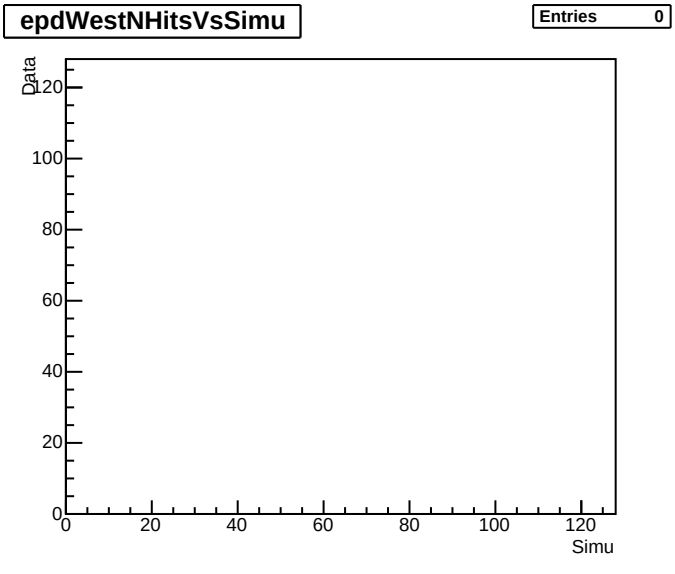
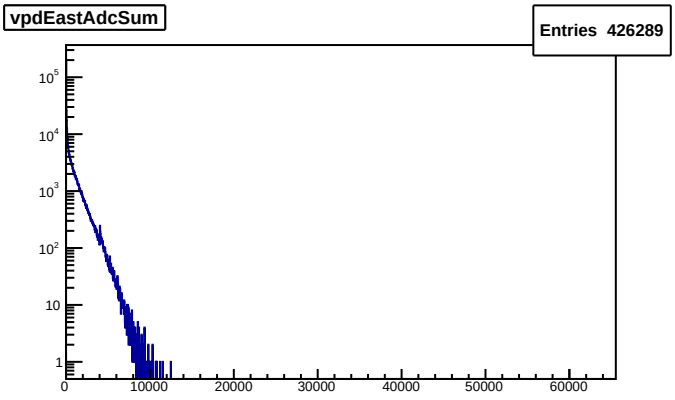
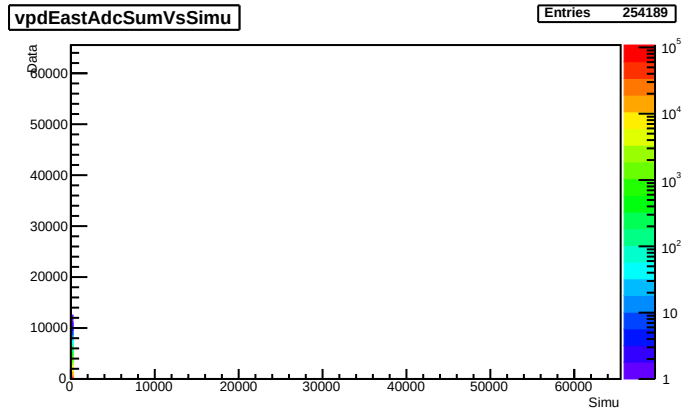
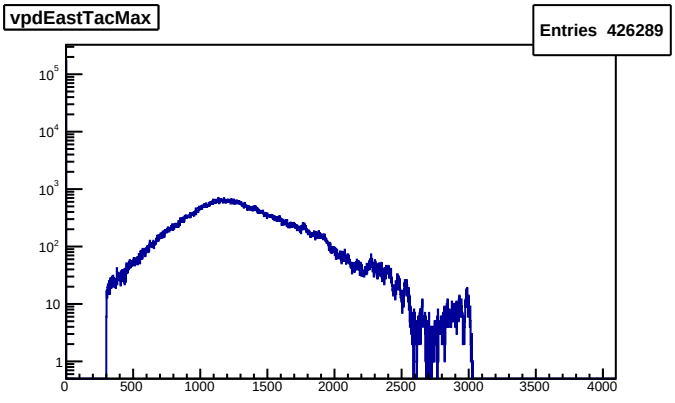
Entries 0
Data
Simu

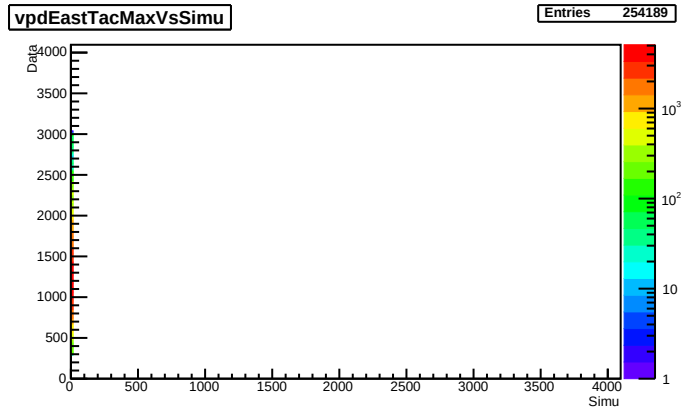

epdWestNHits
Entries 426289

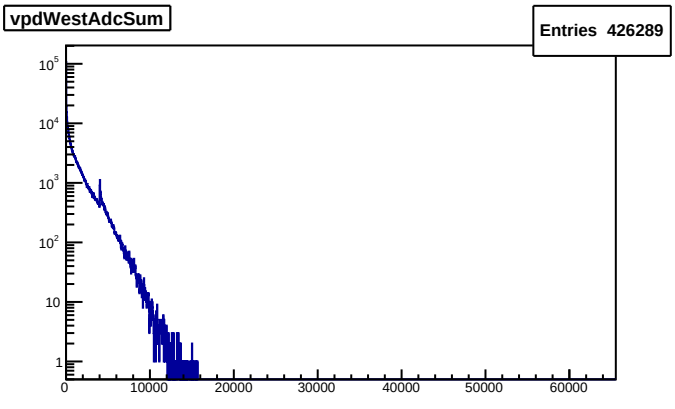

epdWestNHitsVsSimu
Entries 0
Data
Simu

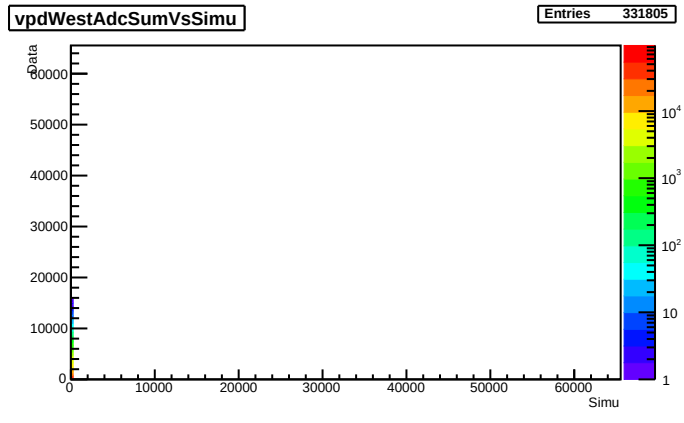

vpdEastAdcSum
Entries 426289

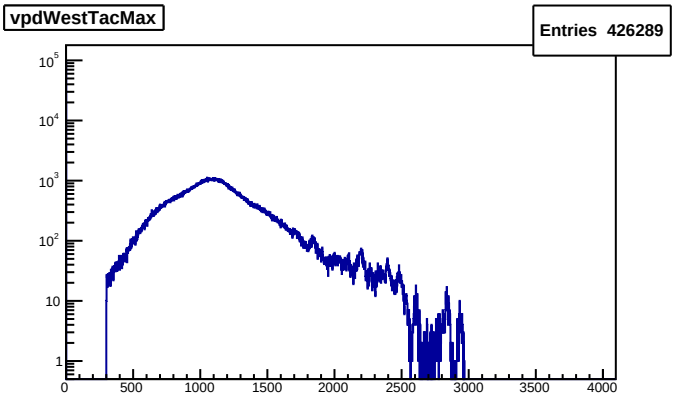

vpdEastAdcSumVsSimu
Entries 254189
Data
Simu

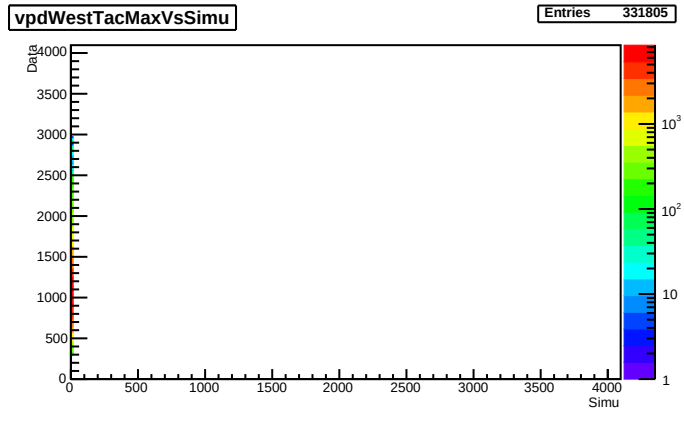

vpdEastTacMax
Entries 426289

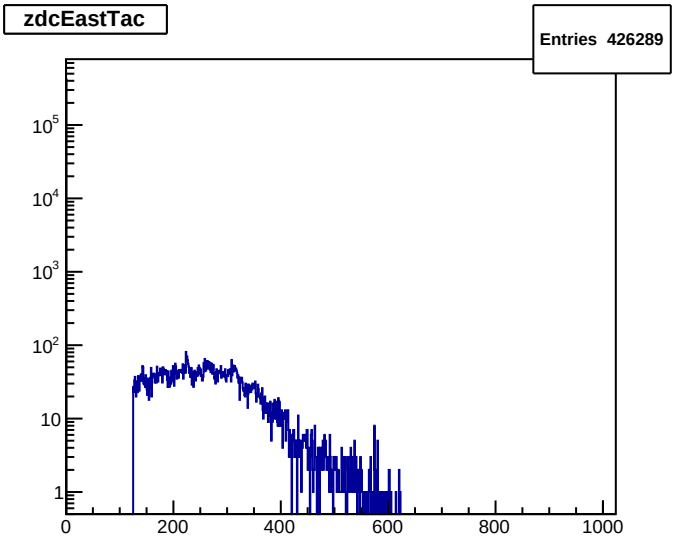

vpdEastTacMaxVsSimu
Entries 254189
Data
Simu

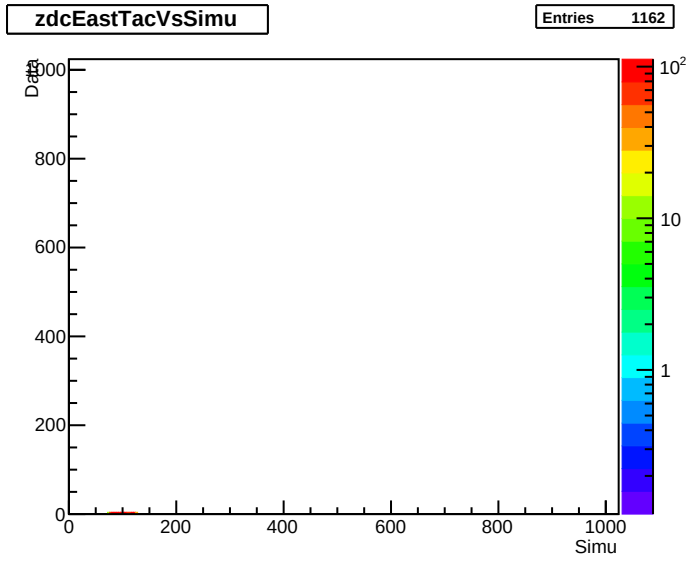

vpdWestAdcSum
Entries 426289

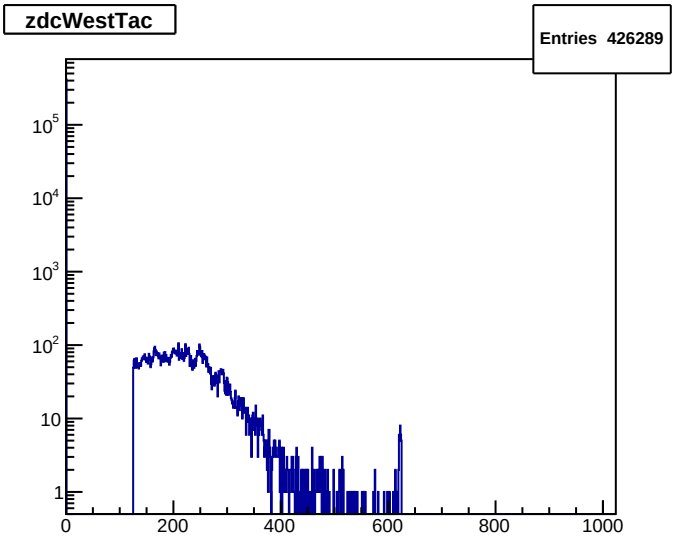

vpdWestAdcSumVsSimu
Entries 331805
Data
Simu

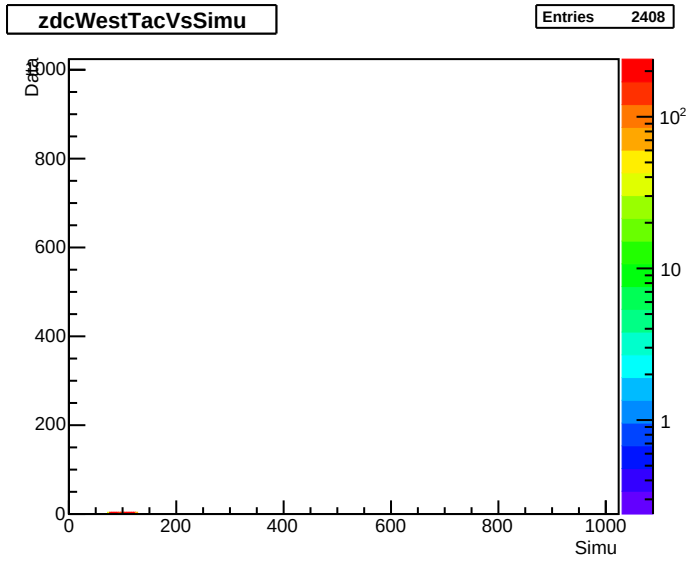

vpdWestTacMax
Entries 426289

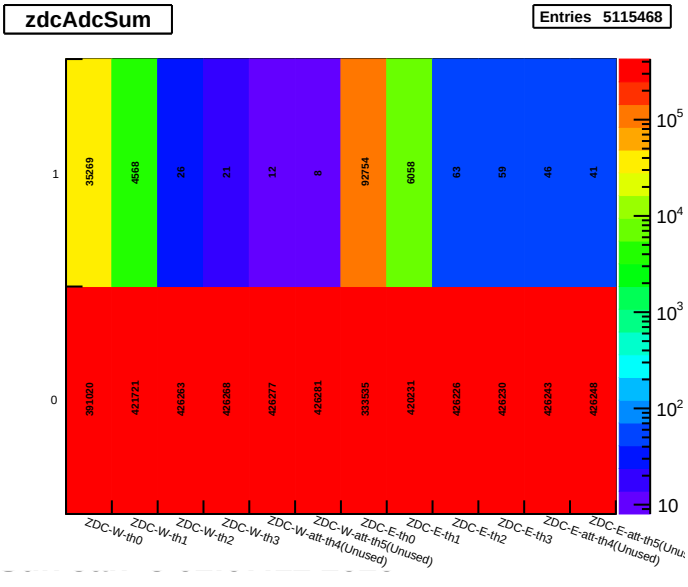

vpdWestTacMaxVsSimu
Entries 331805
Data
Simu

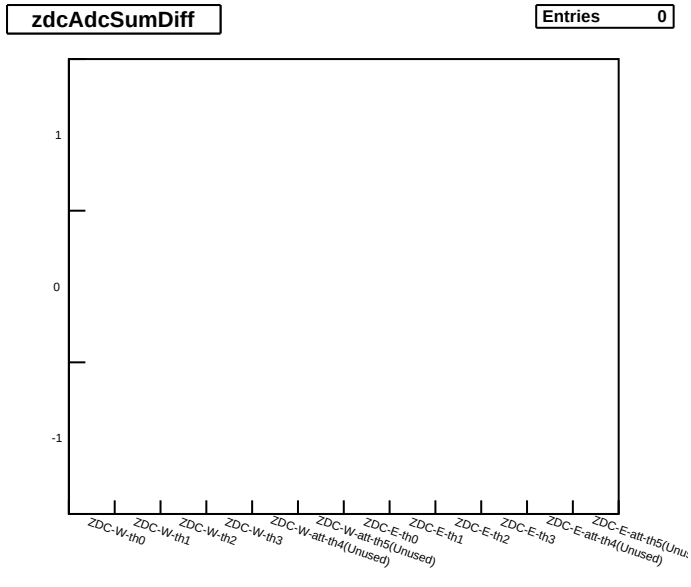

zdcEastTac
Entries 426289

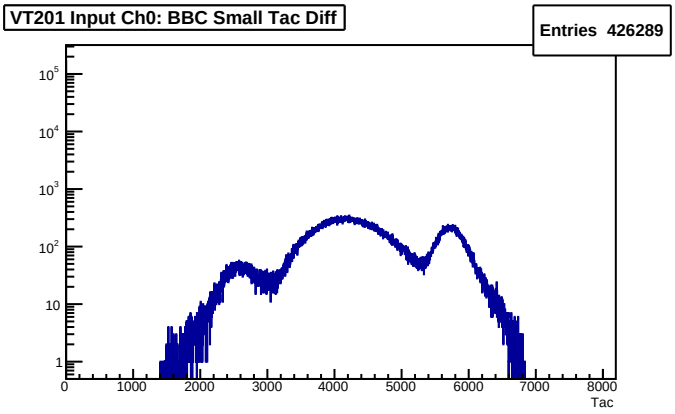

zdcEastTacVsSimu
Entries 1162
Data
Simu

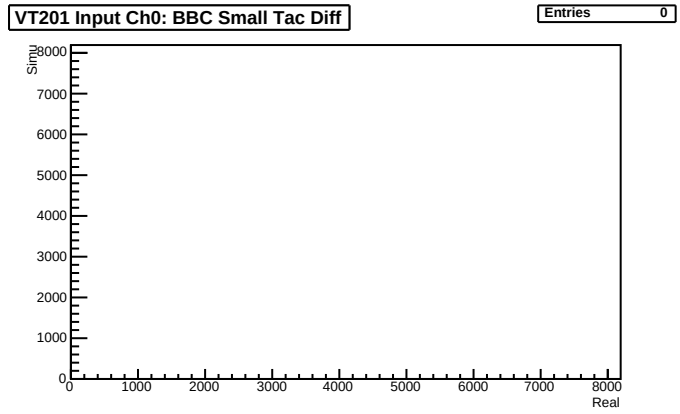

zdcWestTac
Entries 426289

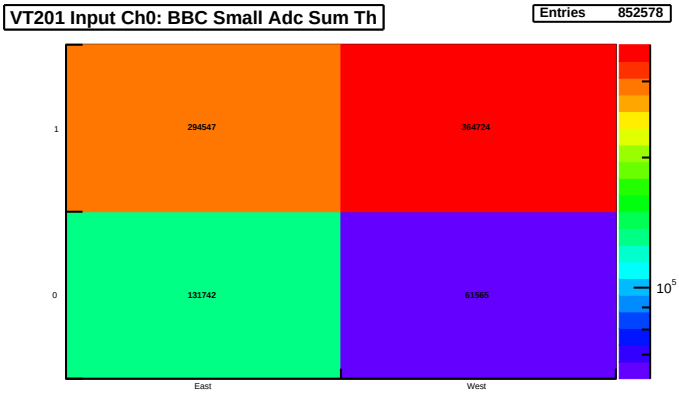

zdcWestTacVsSimu
Entries 2408
Data
Simu

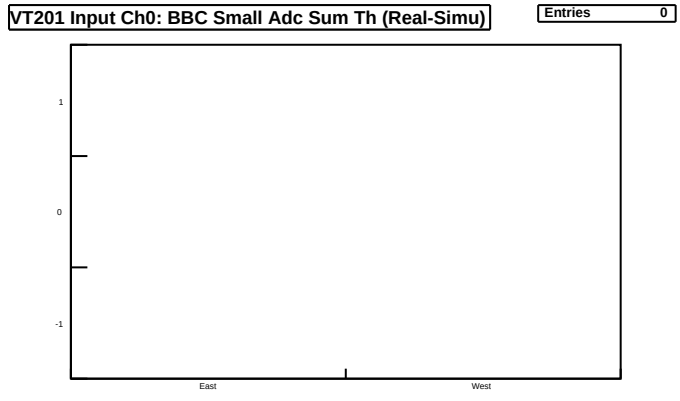

zdcAdcSum
Entries 5115468
35269
4568
26
21
12
8
92754
6058
63
59
46
41
391020
421721
426263
426268
426277
426281
333535
420231
426226
426230
426243
426248
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

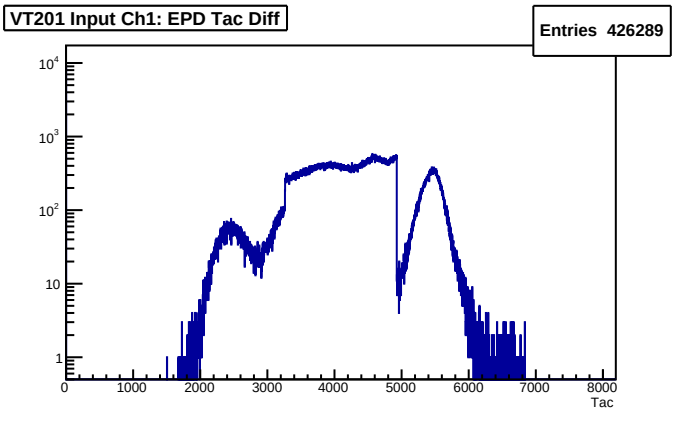

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

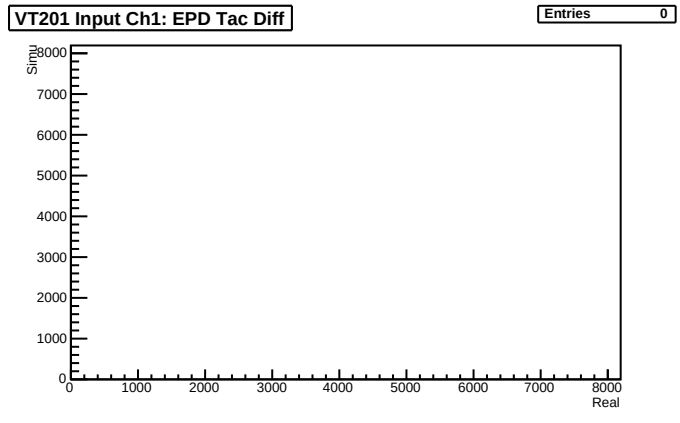

VT201 Input Ch0: BBC Small Tac Diff
Entries 426289
Tac

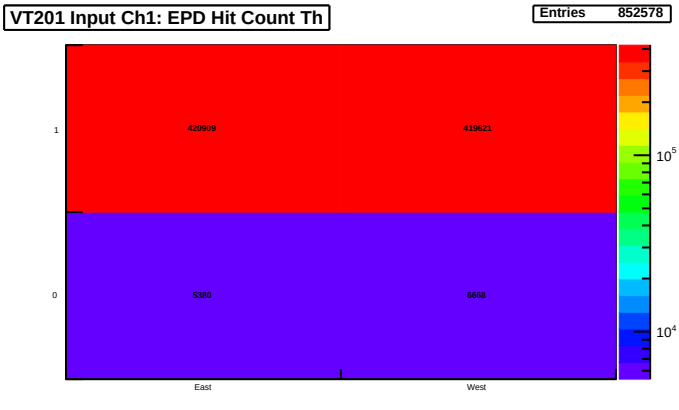

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

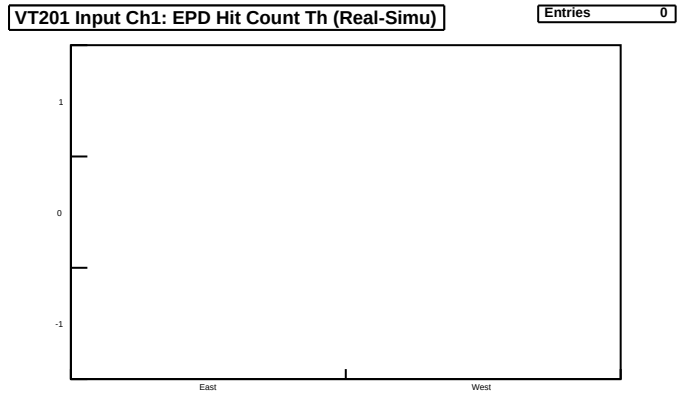

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 852578
294547
364724
131742
61565
East
West

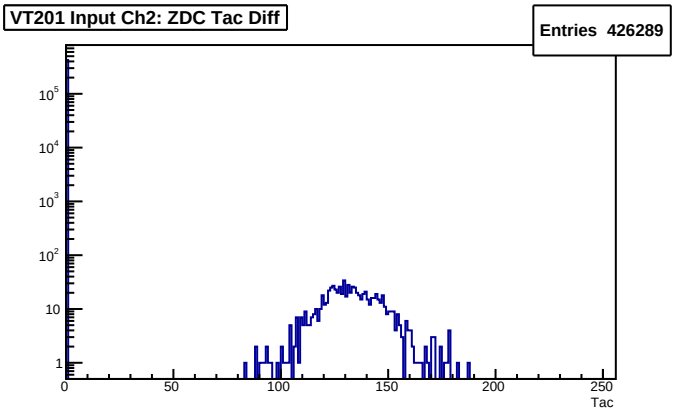

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

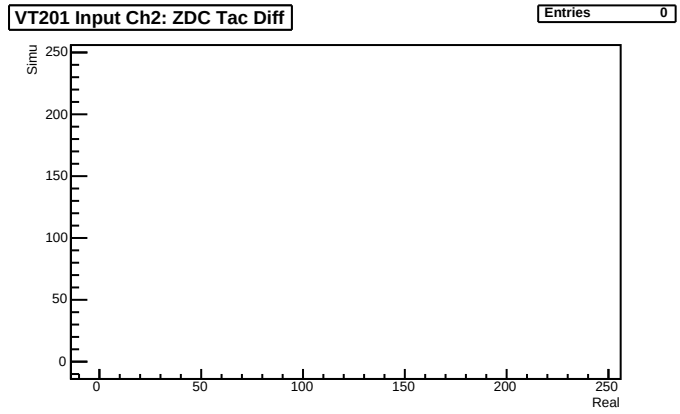

VT201 Input Ch1: EPD Tac Diff
Entries 426289
Tac

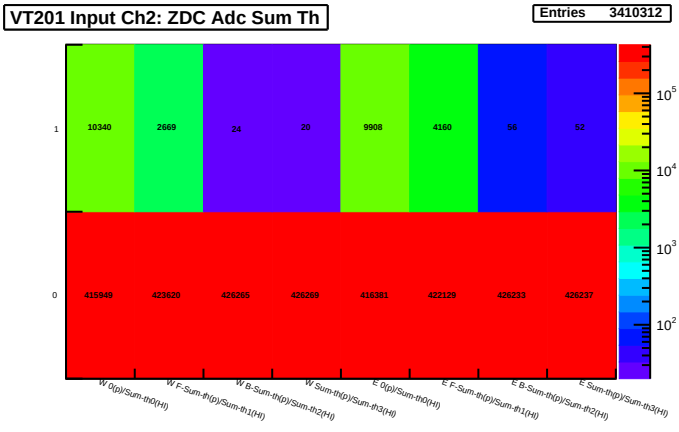

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

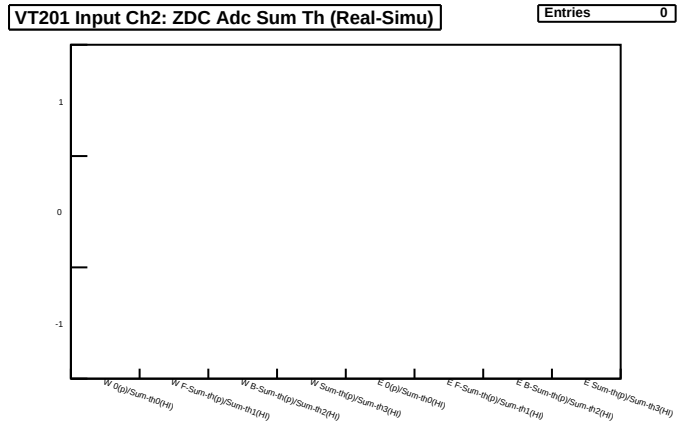

VT201 Input Ch1: EPD Hit Count Th
Entries 852578
420909
419621
5380
6668
East
West

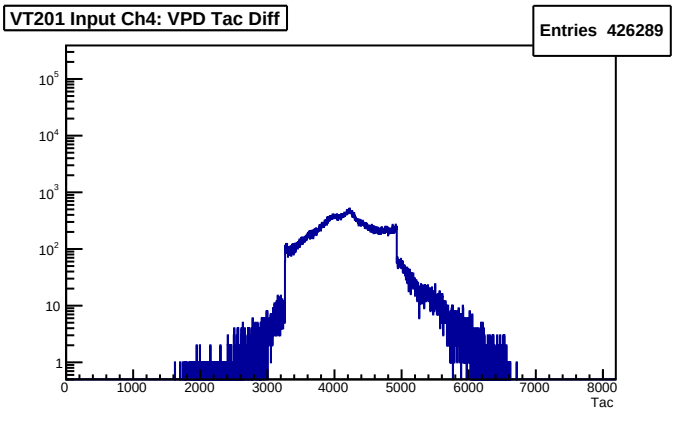

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

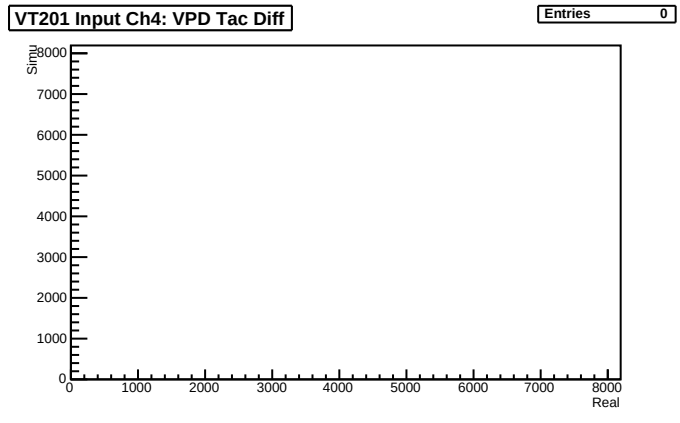

VT201 Input Ch2: ZDC Tac Diff
Entries 426289
Tac

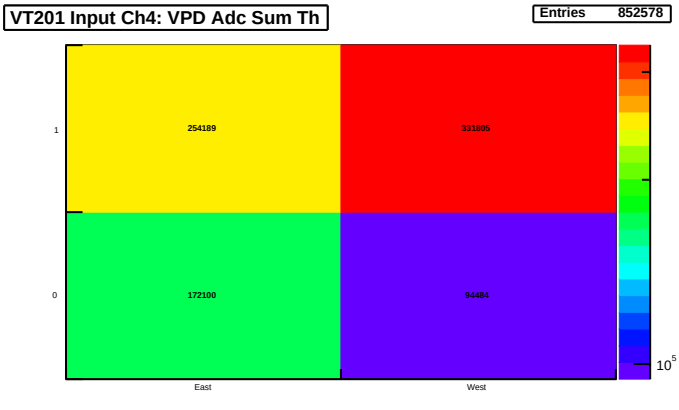

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

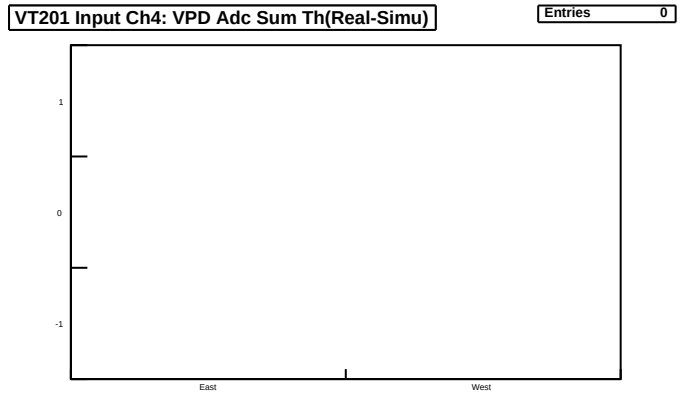

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3410312
10340
2669
24
20
9908
4160
56
52
415949
423620
426265
426269
416381
422129
426233
426237
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

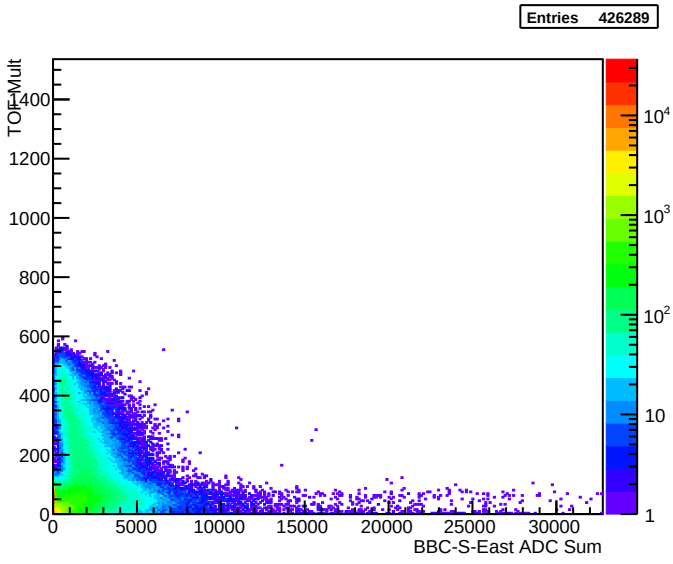

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

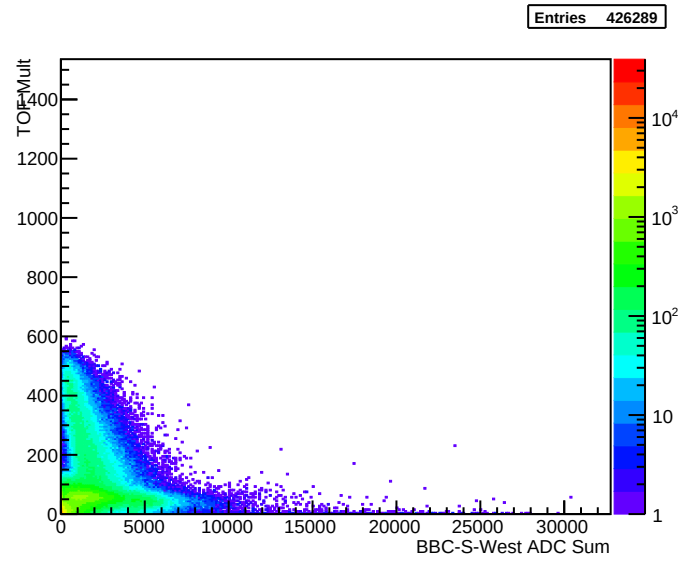

VT201 Input Ch4: VPD Tac Diff
Entries 426289
Tac

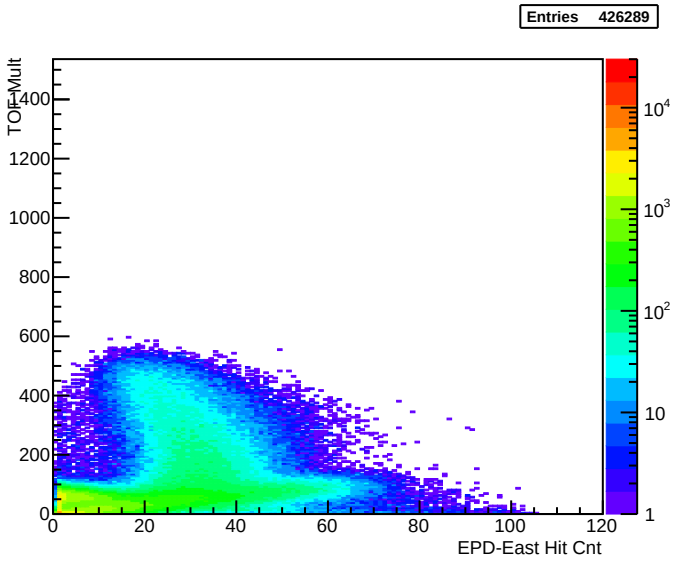

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

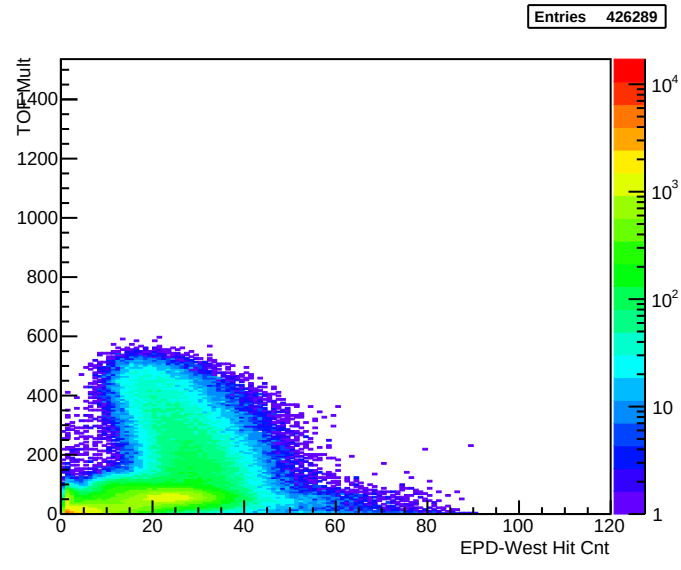

VT201 Input Ch4: VPD Adc Sum Th
Entries 852578
254189
331805
172100
94484
East
West

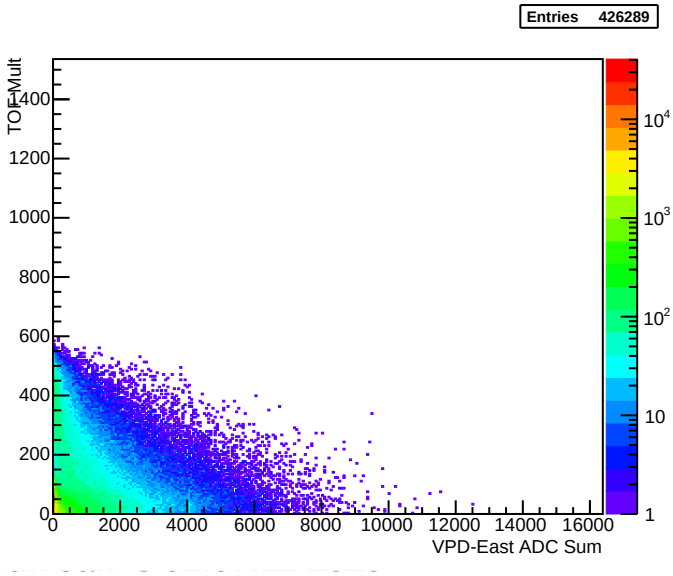

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

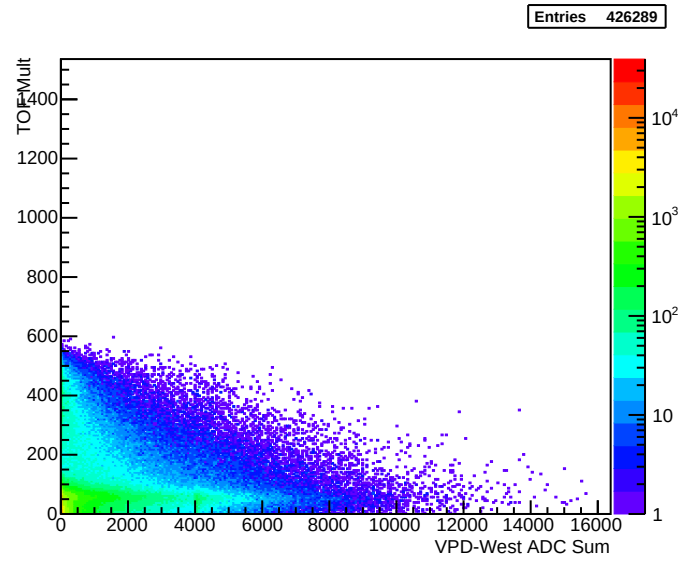

Entries 426289
TOF-Mult
BBC-S-East ADC Sum

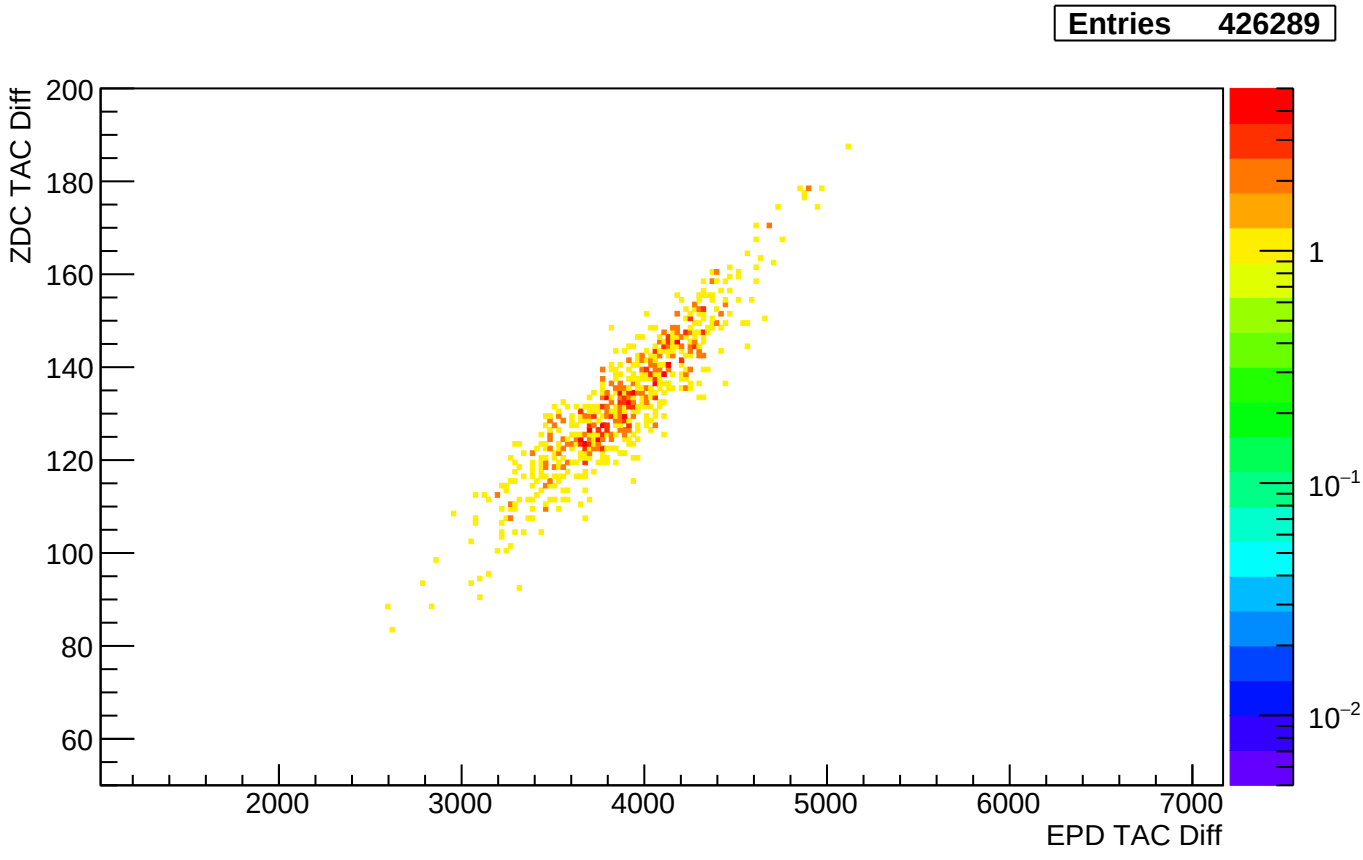

Entries 426289
TOF-Mult
BBC-S-West ADC Sum

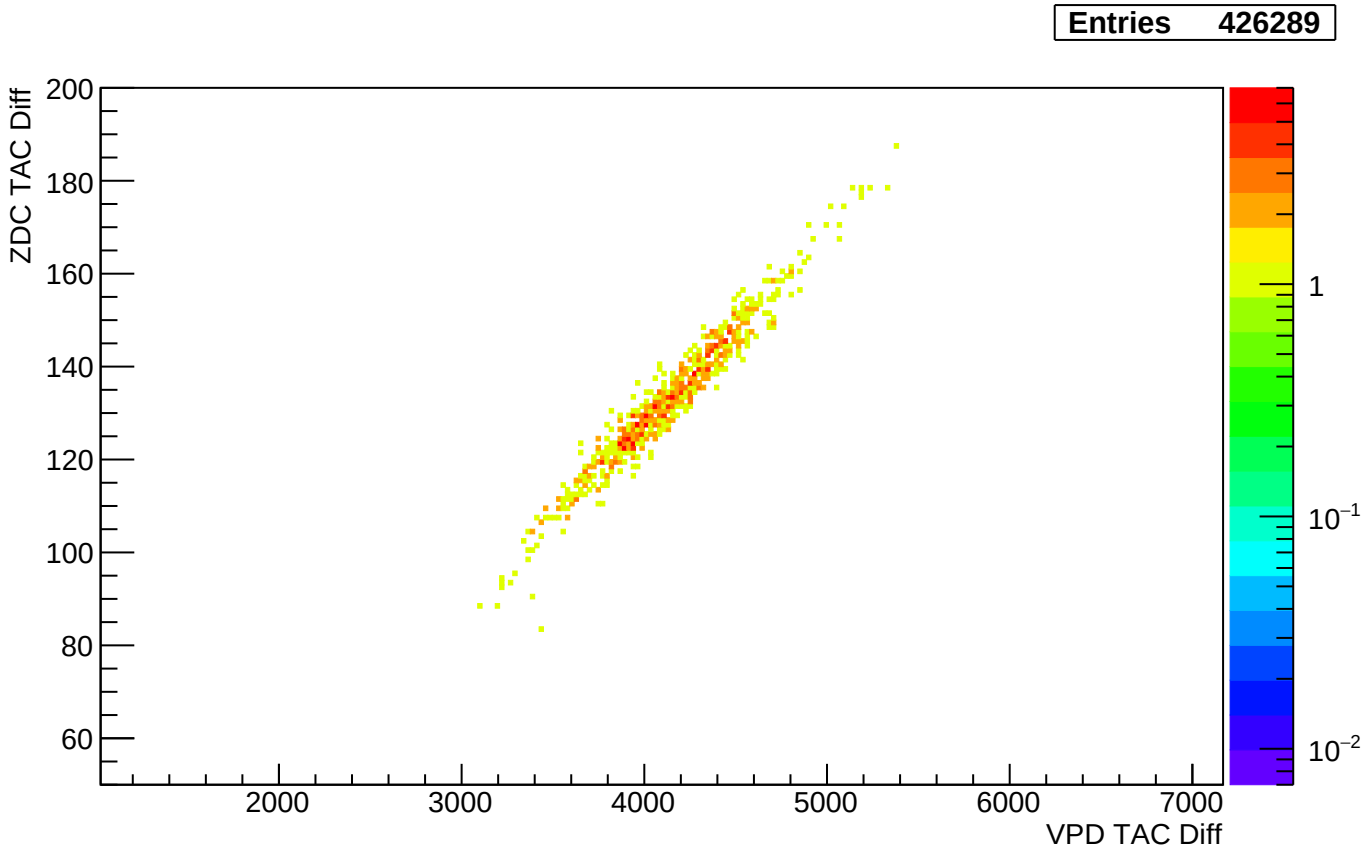

Entries 426289
TOF-Mult
EPD-East Hit Cnt

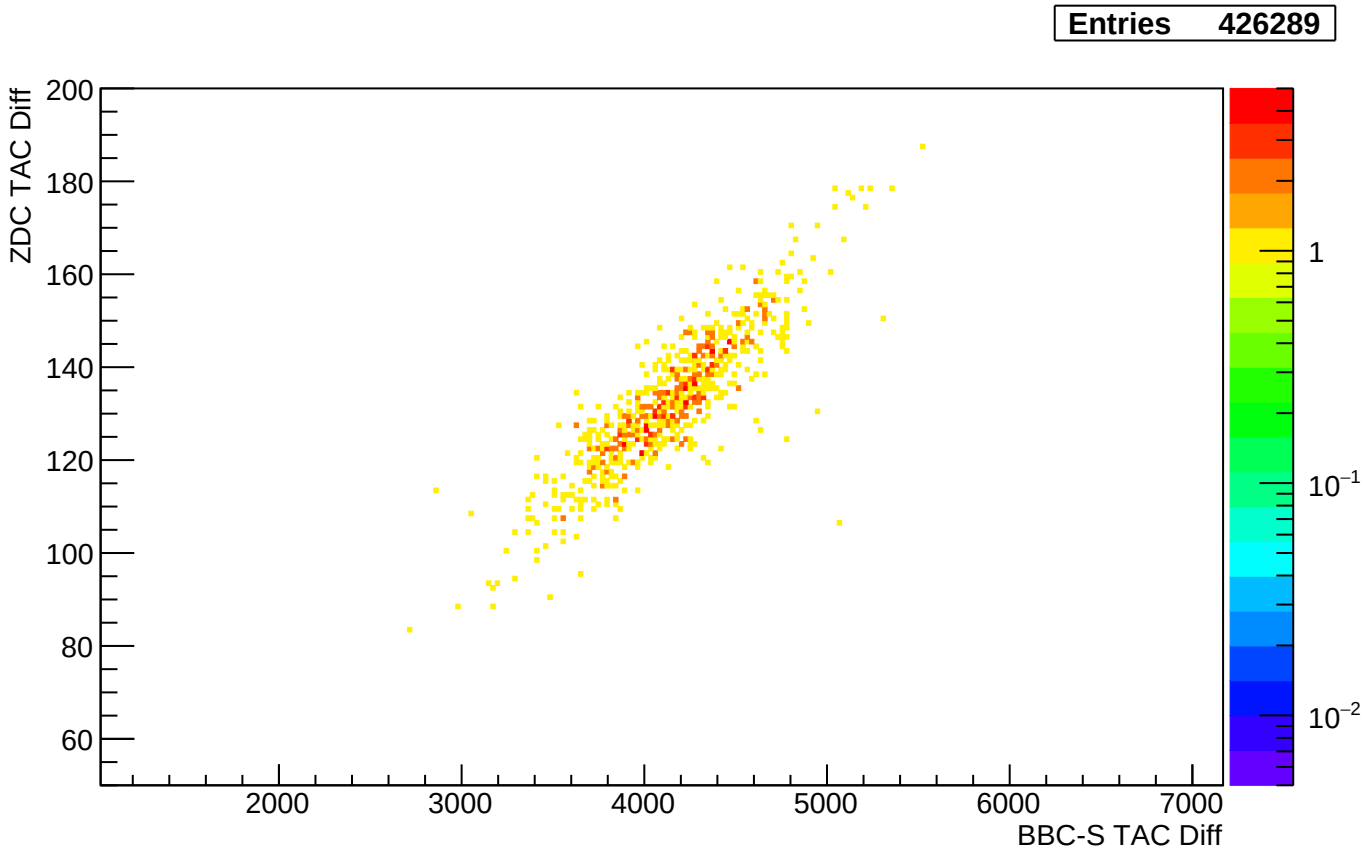

Entries 426289
TOF-Mult
EPD-West Hit Cnt

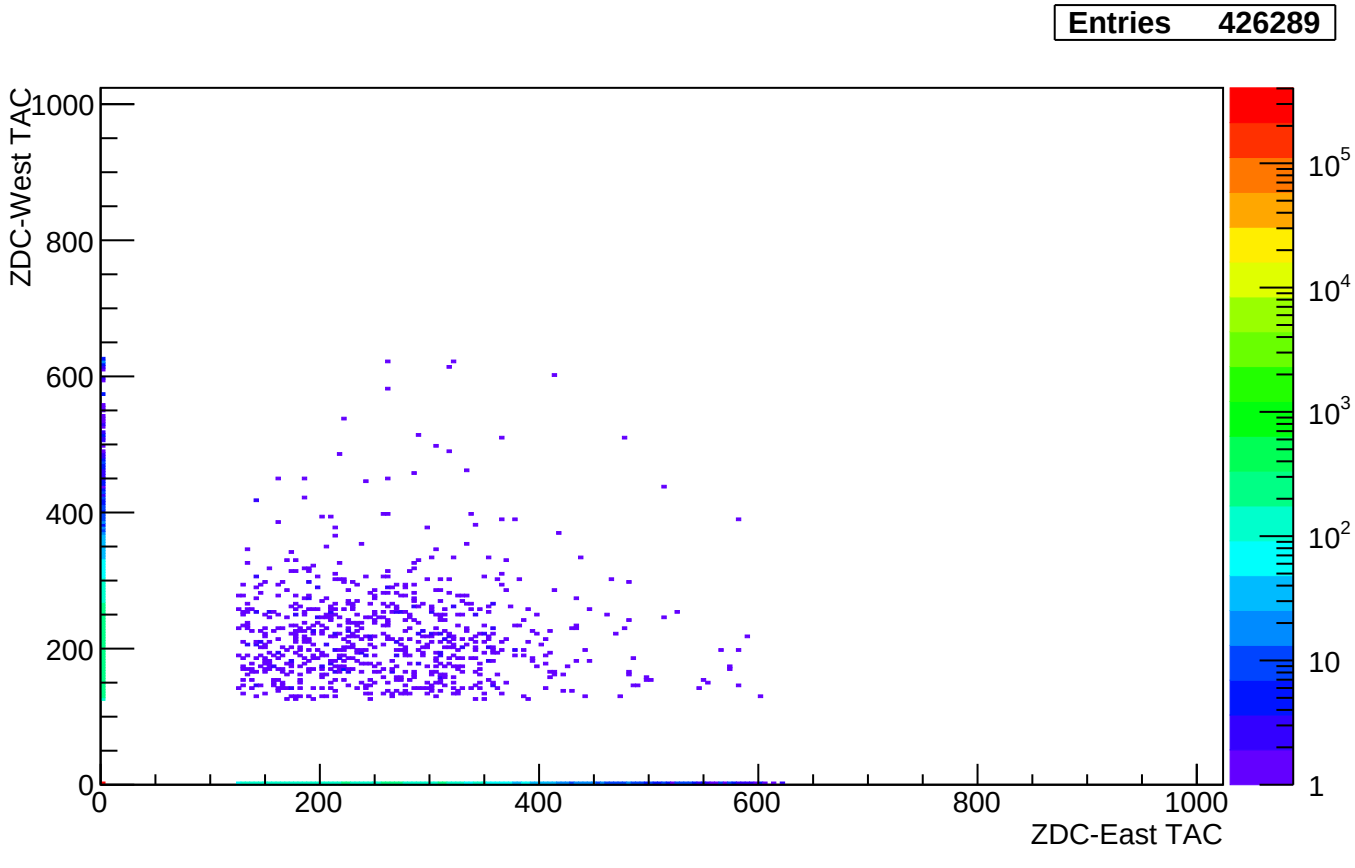

Entries 426289
TOF-Mult
VPD-East ADC Sum

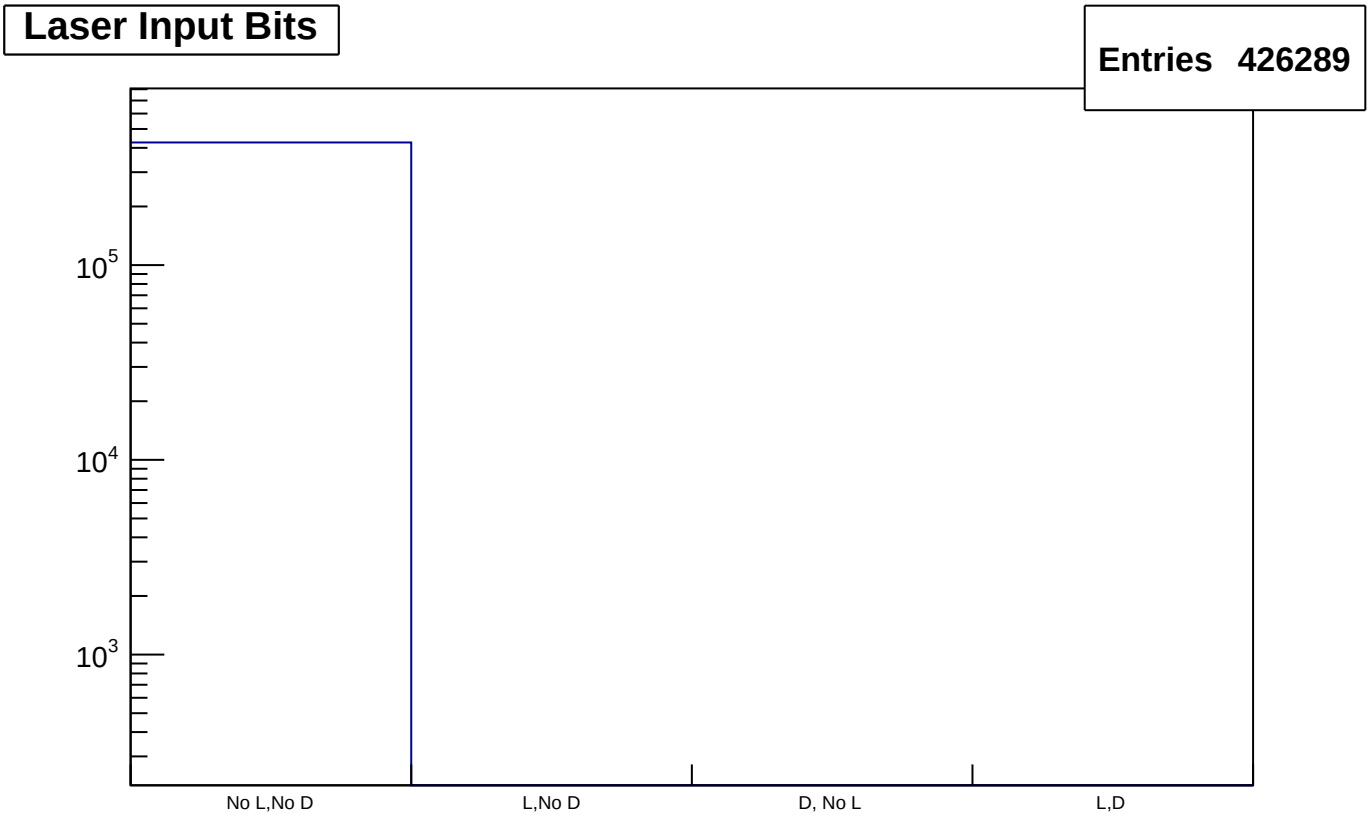

Entries 426289
TOF-Mult
VPD-West ADC Sum

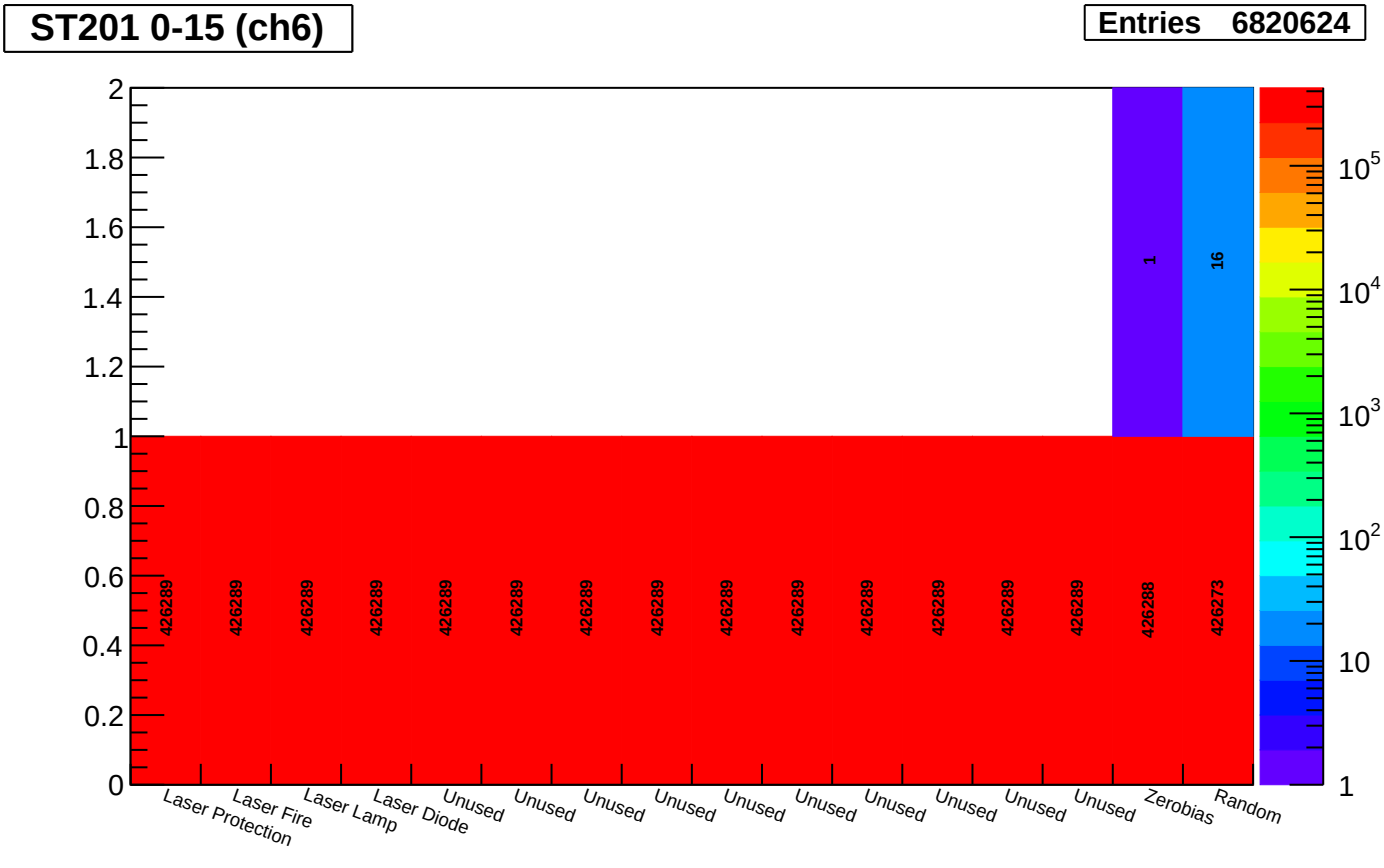

Entries 426289
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

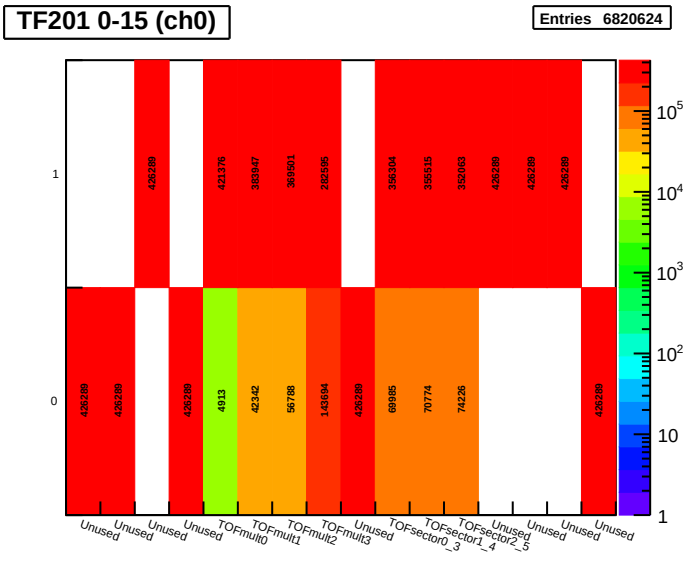

Entries 426289
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

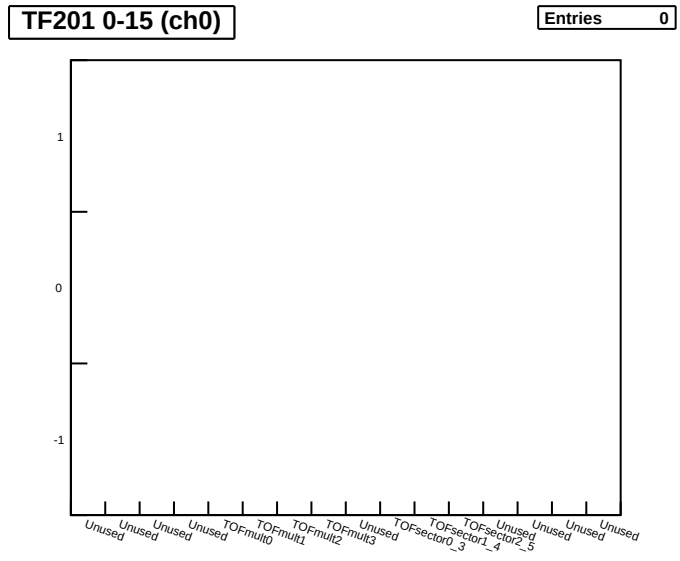

Entries 426289
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

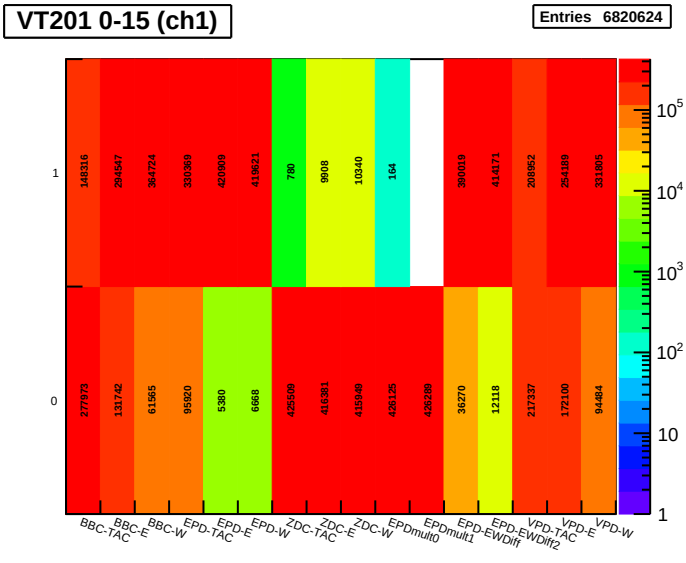

Entries 426289
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

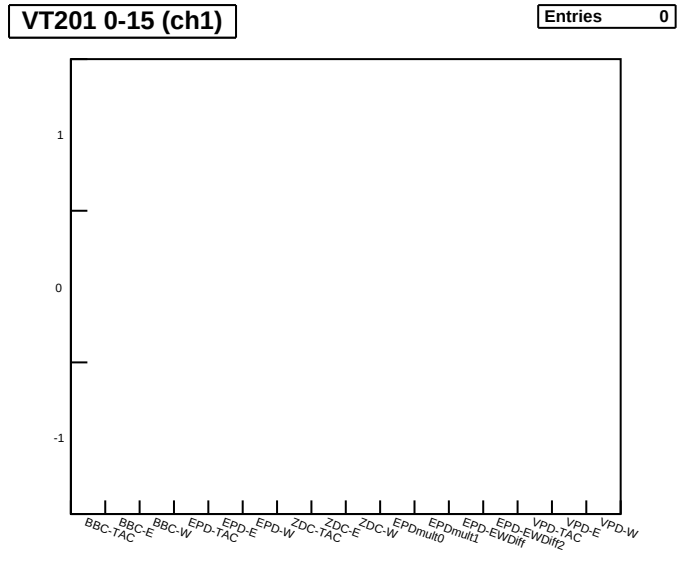

Laser Input Bits
Entries 426289
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

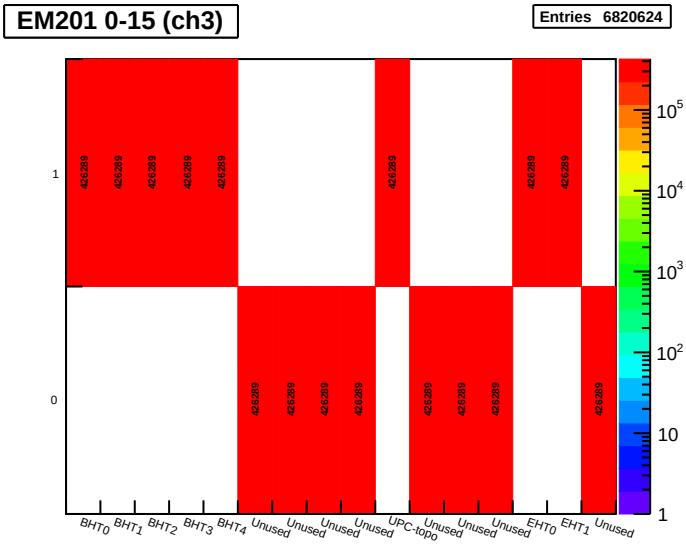

ST201 0-15 (ch6)
Entries 6820624
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
426289
426289
426289
426289
426289
426289
426289
426289
426289
426289
426289
426289
426289
426289
426288
426273
1
16
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

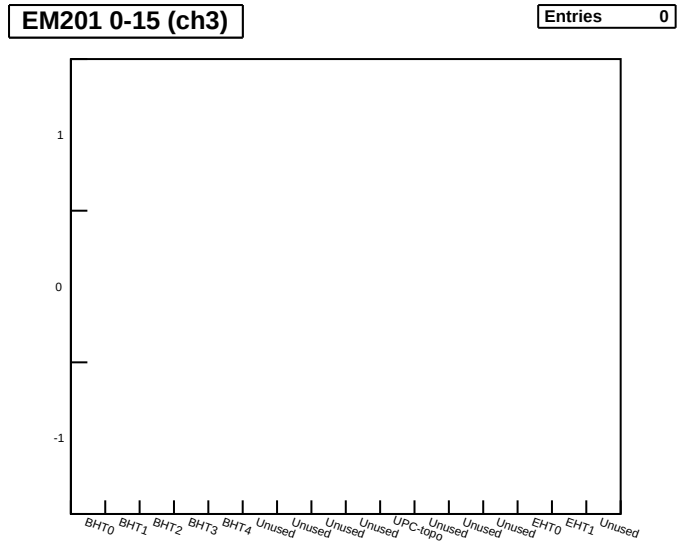

TF201 0-15 (ch0)
Entries 6820624
426289 421376 383947 369801 292595 356304 355515 352063 426289 426289 426289
426289 426289 426289 4913 42342 56788 143694 426289 69985 70774 74226 426289
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused 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 6820624
148316 294547 364724 330369 420909 419621 780 9908 10340 164 390019 414171 208952 254189 331805
277973 131742 61565 95920 5380 6668 425509 416381 415949 426125 426289 36270 12118 217337 172100 94484
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 6820624
426289 426289 426289 426289 426289 426289 426289 426289
426289 426289 426289 426289 426289 426289 426289 426289
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