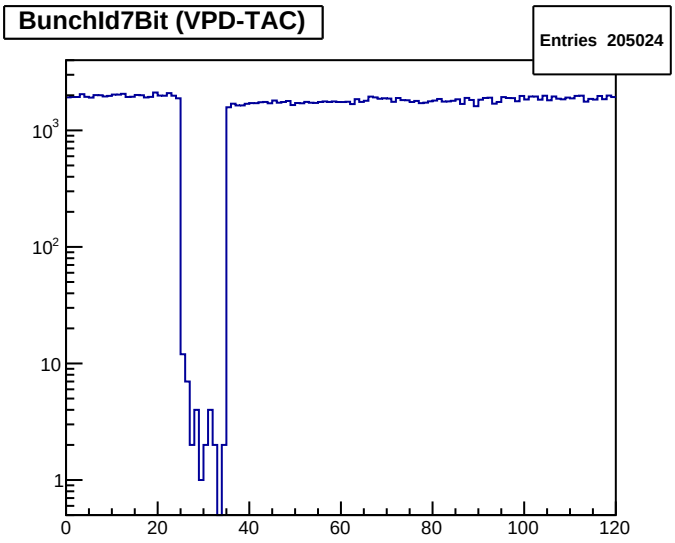
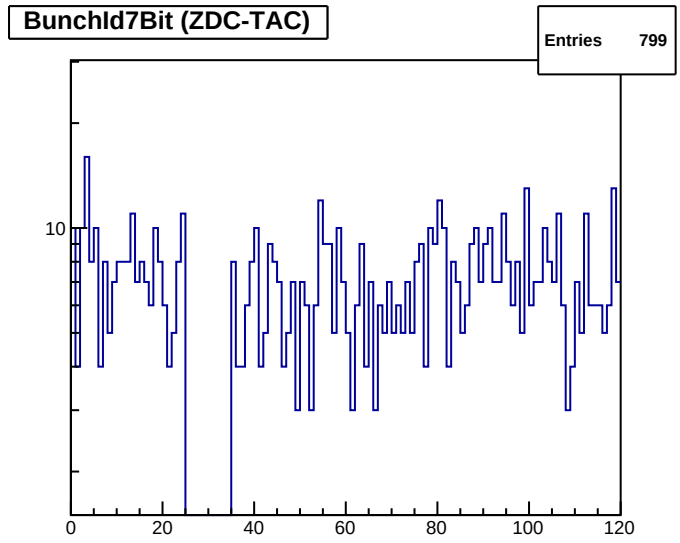
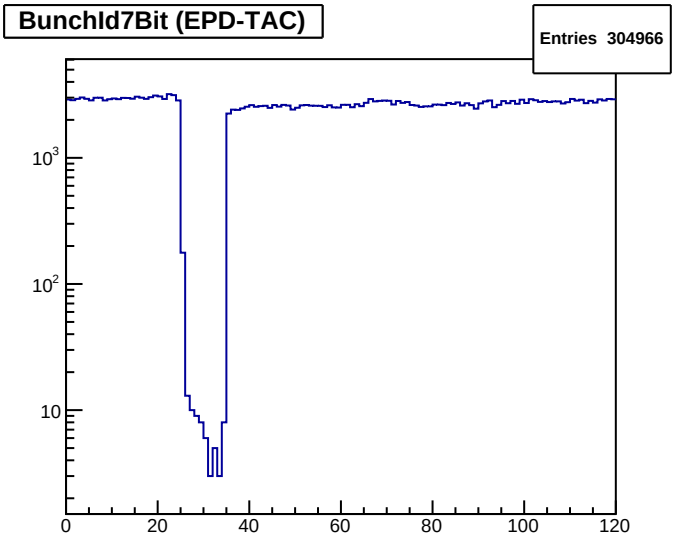
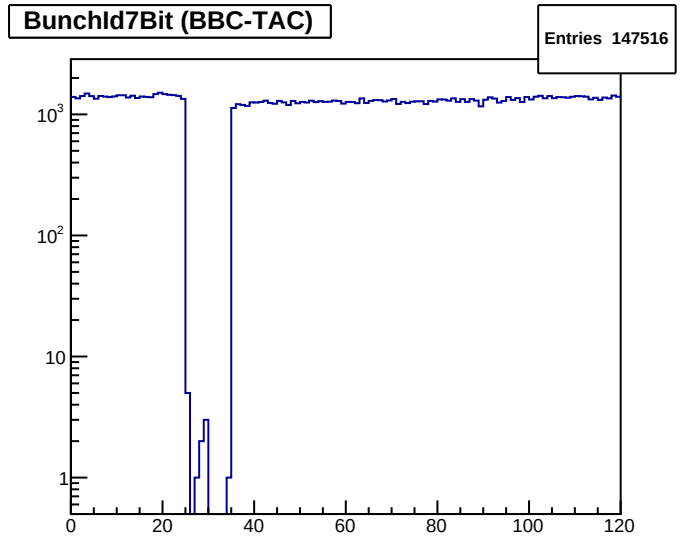
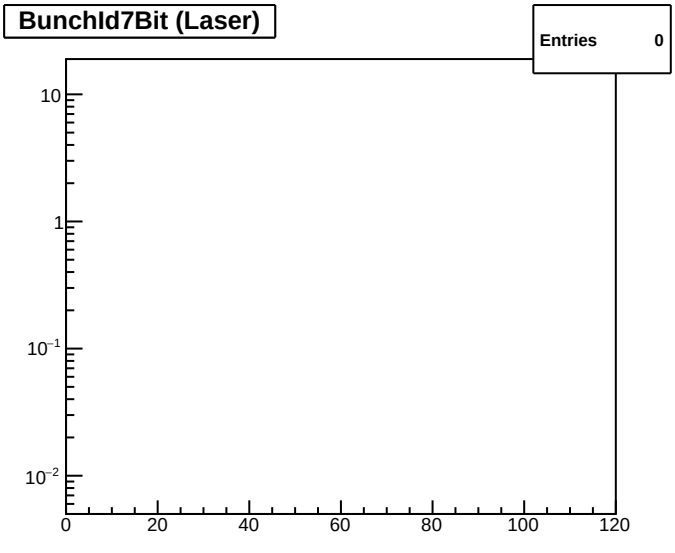
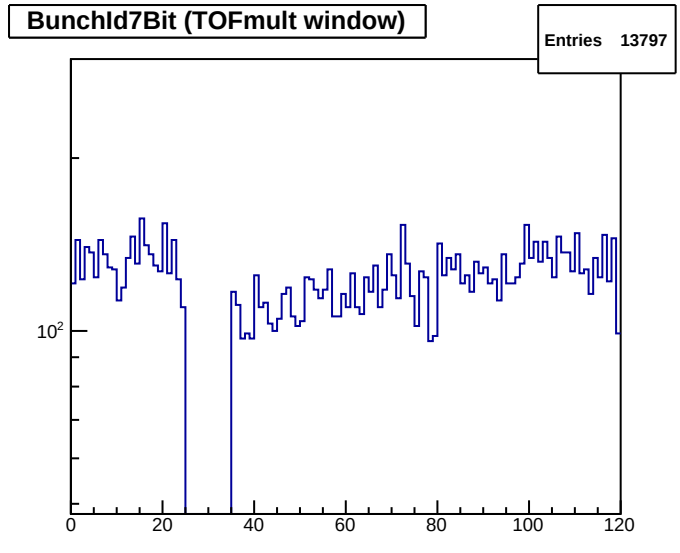

BunchId7Bit (VPD-TAC)
Entries 205024
10^3
10^2
10
1
0
20
40
60
80
100
120

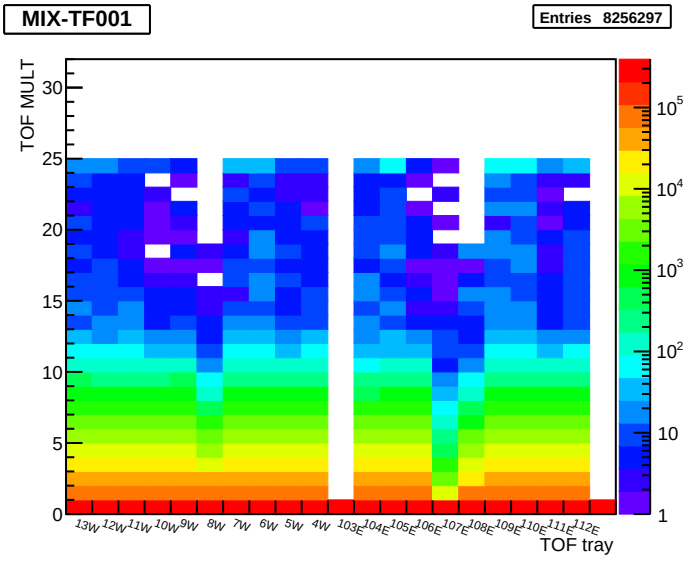

BunchId7Bit (ZDC-TAC)
Entries 799
10
0
20
40
60
80
100
120

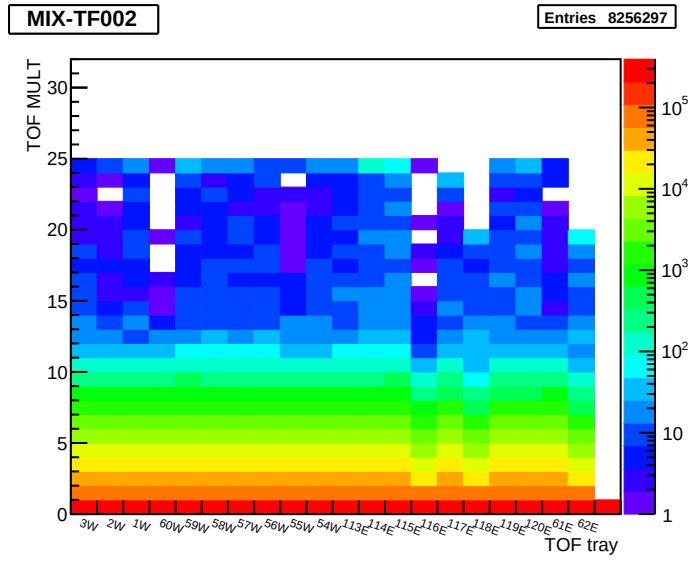

BunchId7Bit (EPD-TAC)
Entries 304966
10^3
10^2
10
0
20
40
60
80
100
120

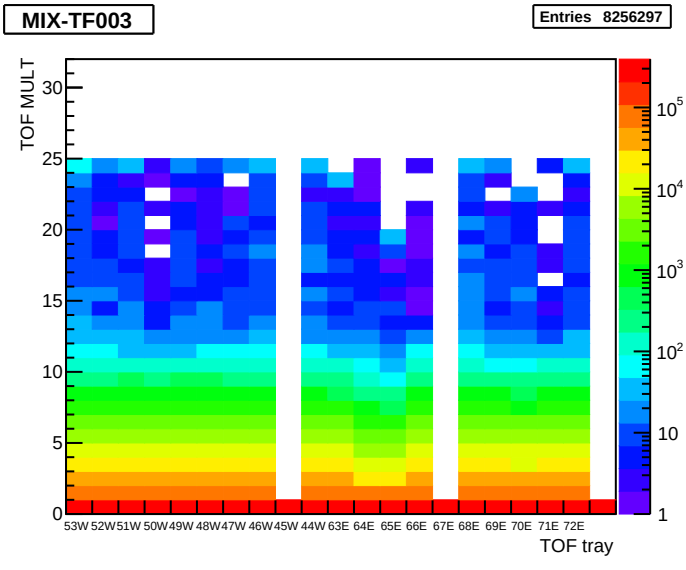

BunchId7Bit (BBC-TAC)
Entries 147516
10^3
10^2
10
1
0
20
40
60
80
100
120

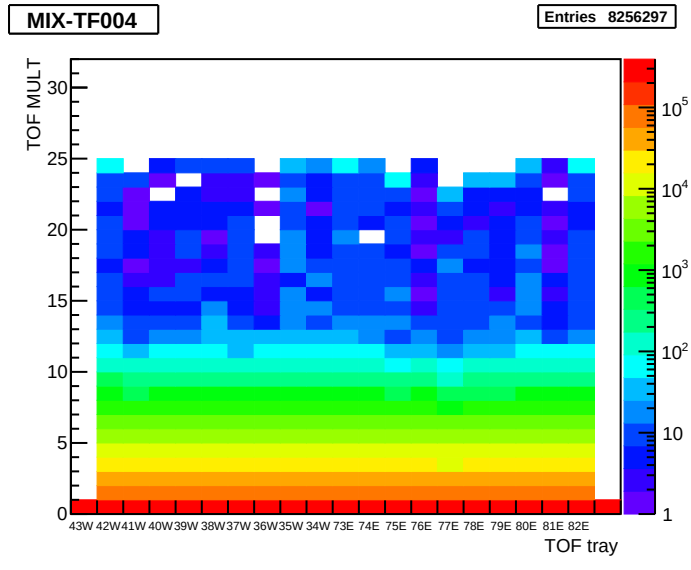

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

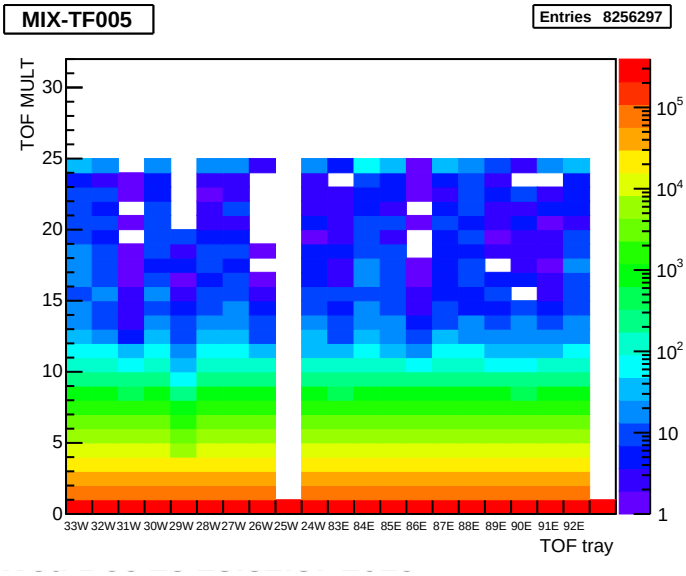

BunchId7Bit (TOFmult window)
Entries 13797
10^2
0
20
40
60
80
100
120

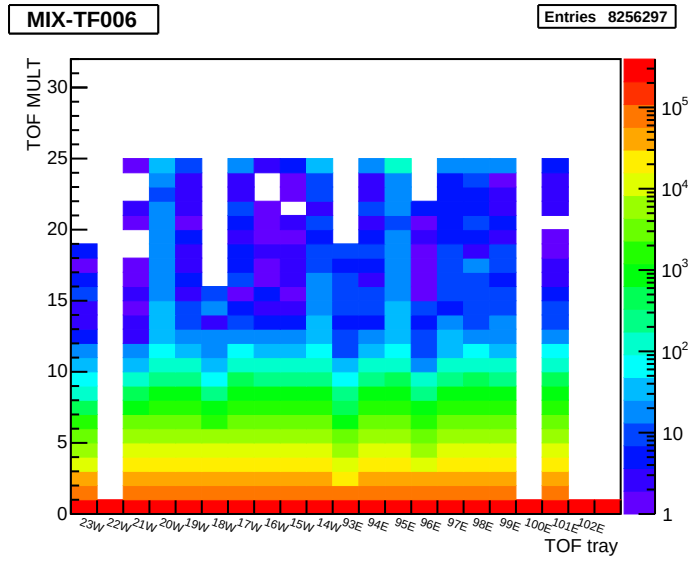

MIX-TF001
Entries 8256297
TOF MULT
TOF tray

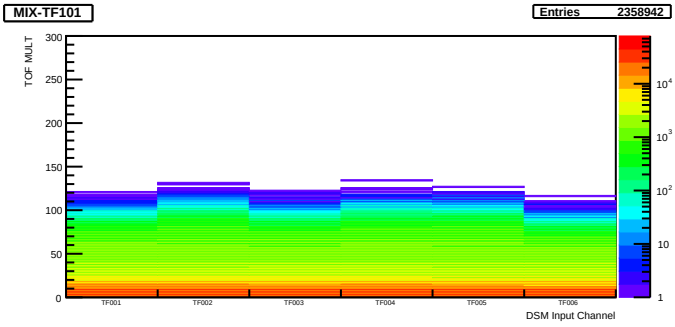

MIX-TF002
Entries 8256297
TOF MULT
TOF tray

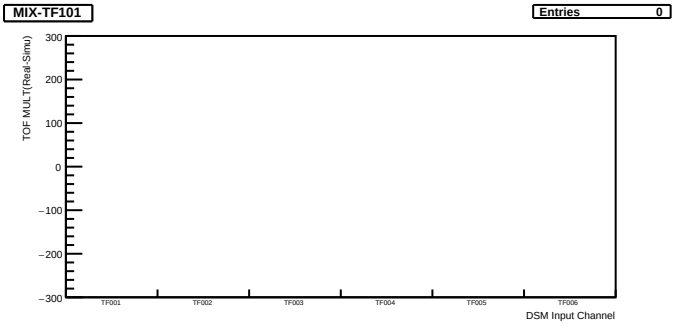

MIX-TF003
Entries 8256297
TOF MULT
TOF tray

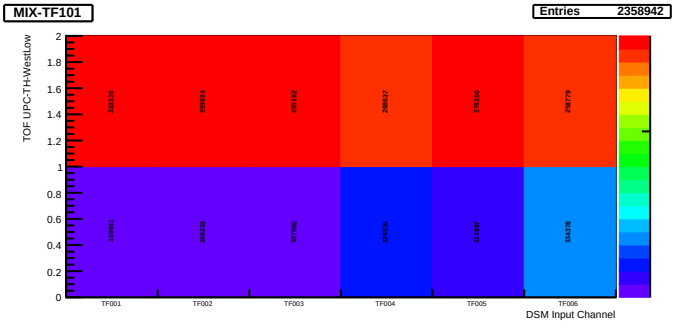

MIX-TF004
Entries 8256297
TOF MULT
TOF tray

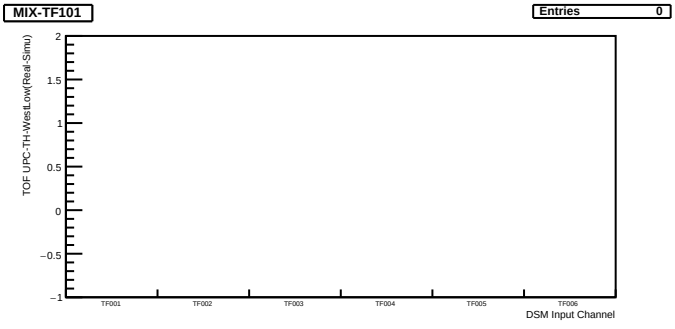

MIX-TF005
Entries 8256297
TOF MULT
TOF tray

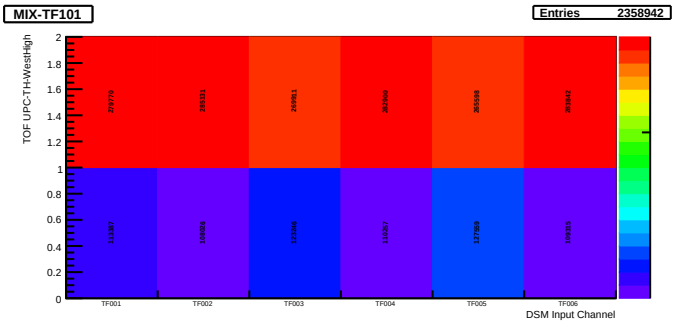

MIX-TF006
Entries 8256297
TOF MULT
TOF tray

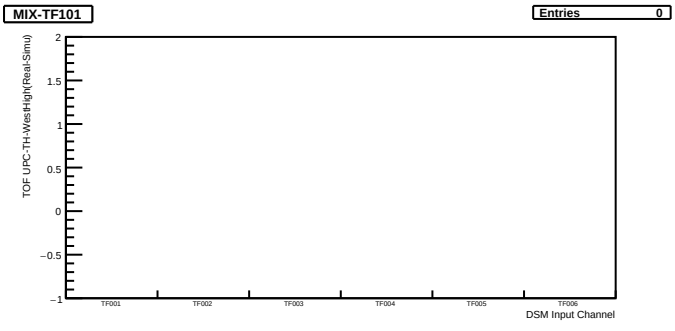

MIX-TF101
Entries 2358942
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

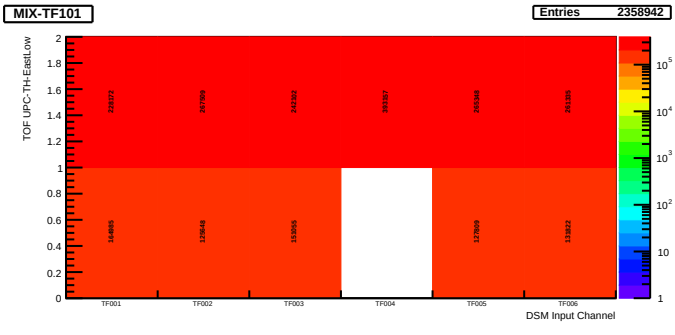

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

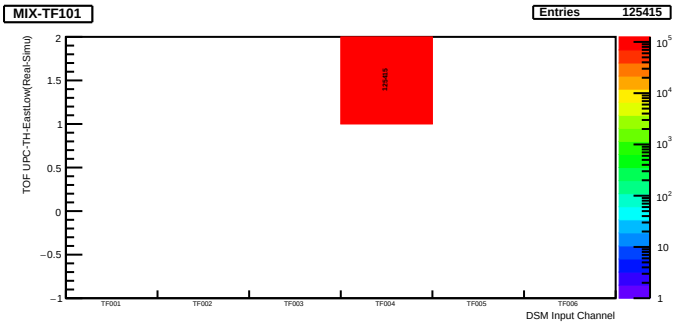

MIX-TF101
Entries 2358942
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

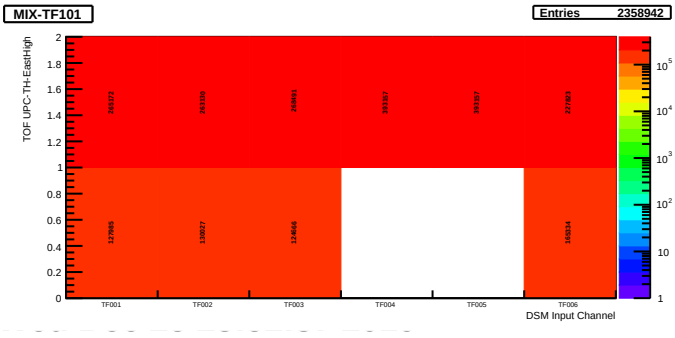

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

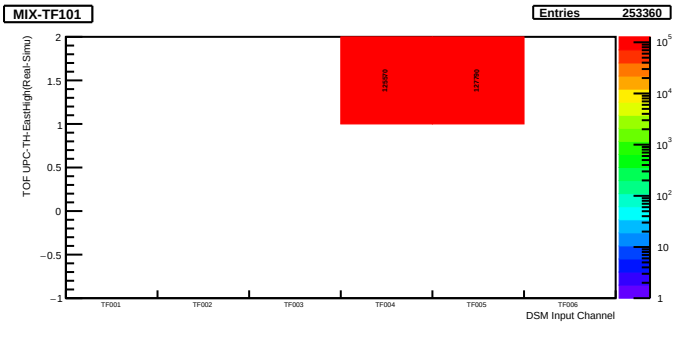

MIX-TF101
Entries 2358942
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

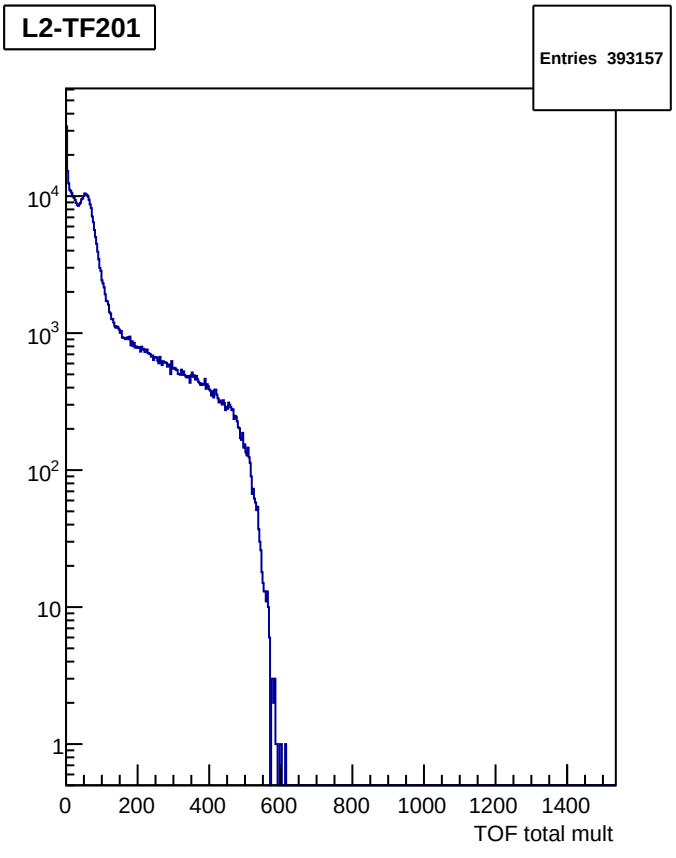

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

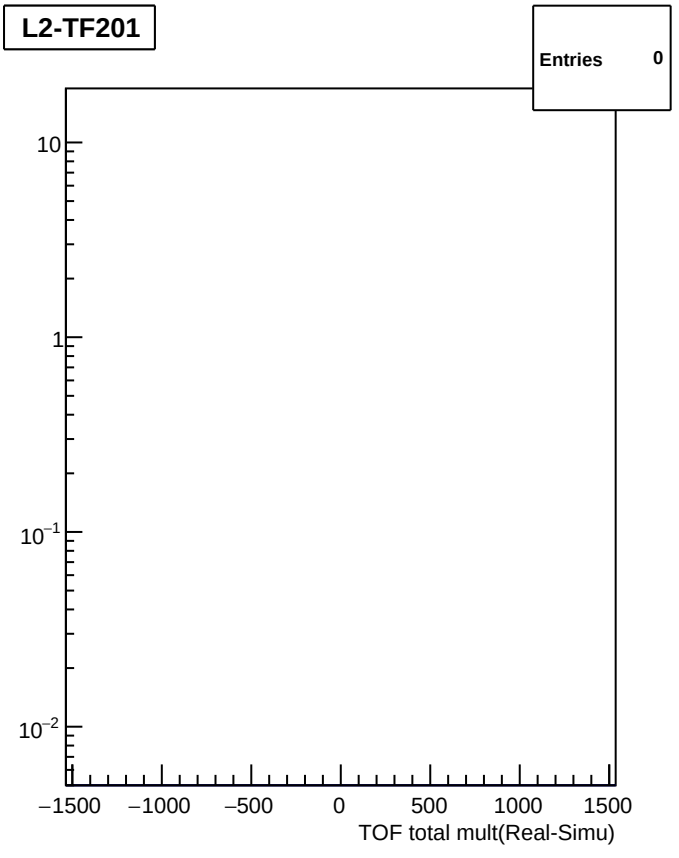

MIX-TF101
Entries 2358942
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

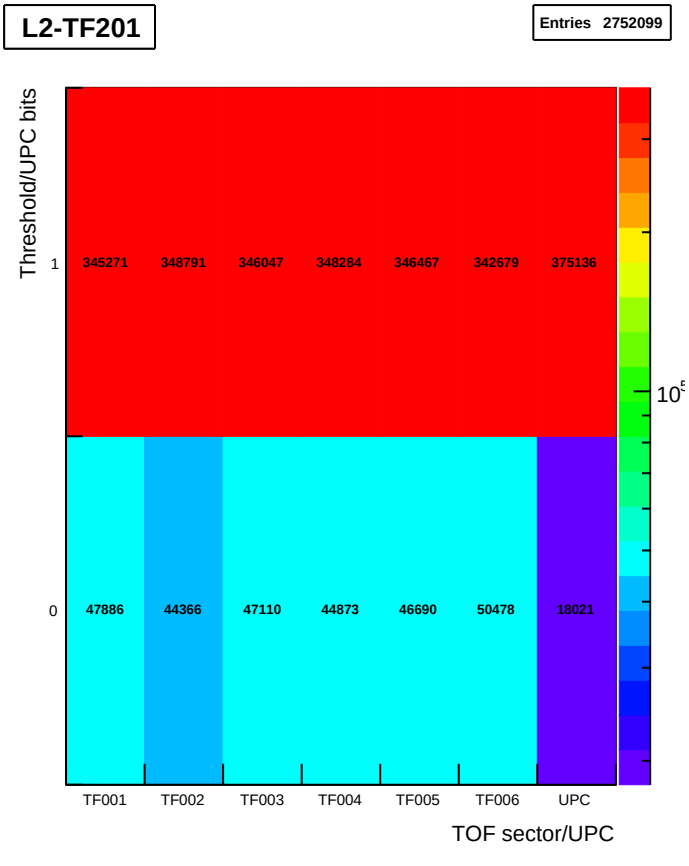

MIX-TF101
Entries 125415
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

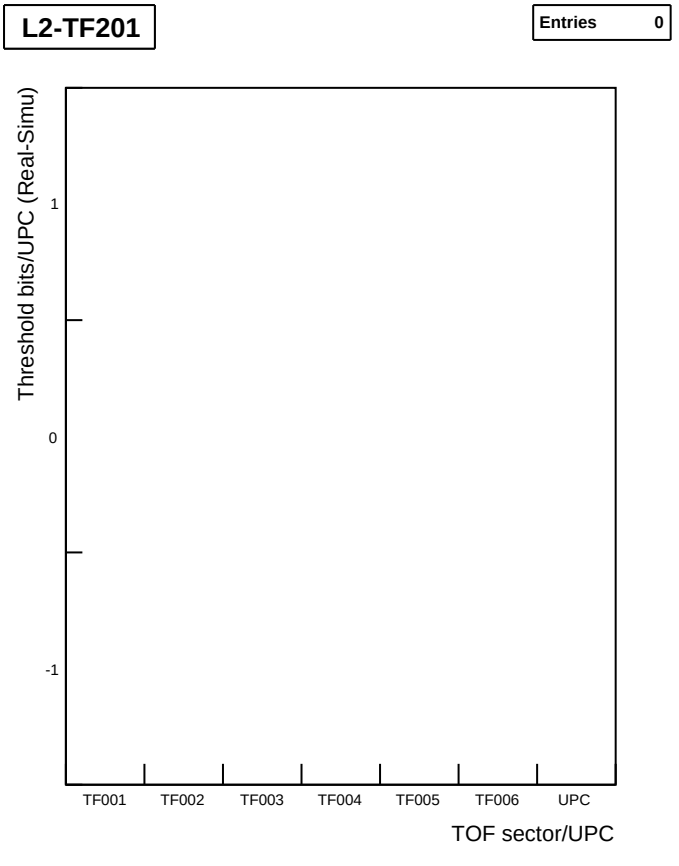

MIX-TF101
Entries 2358942
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

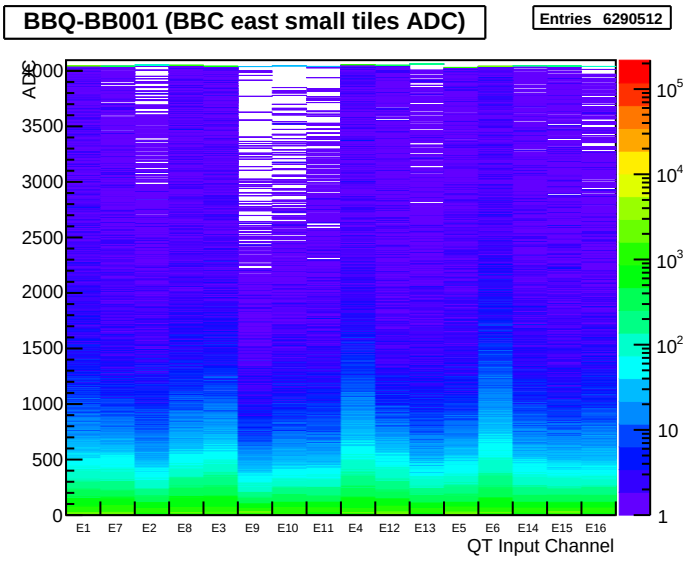

MIX-TF101
Entries 253360
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

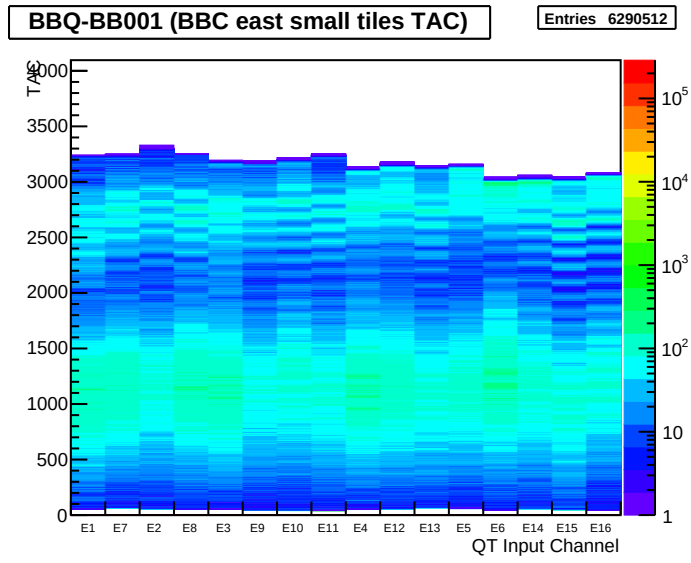

L2-TF201
Entries 393157
TOF total mult

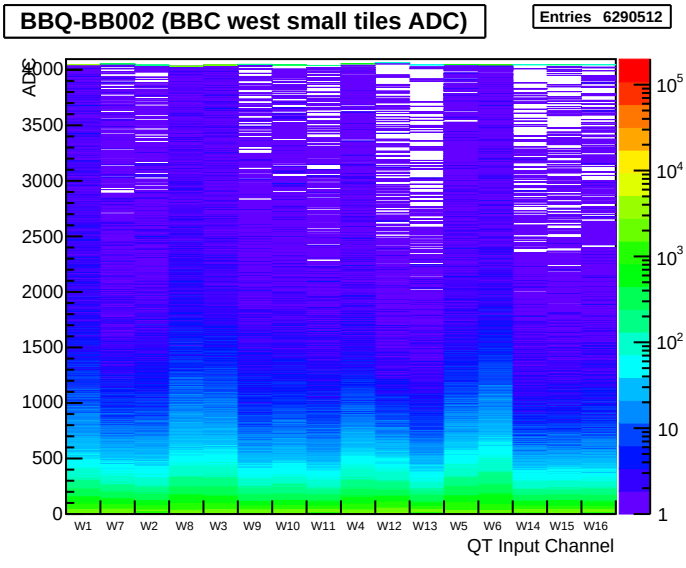

L2-TF201
Entries 0
TOF total mult(Real-Simu)

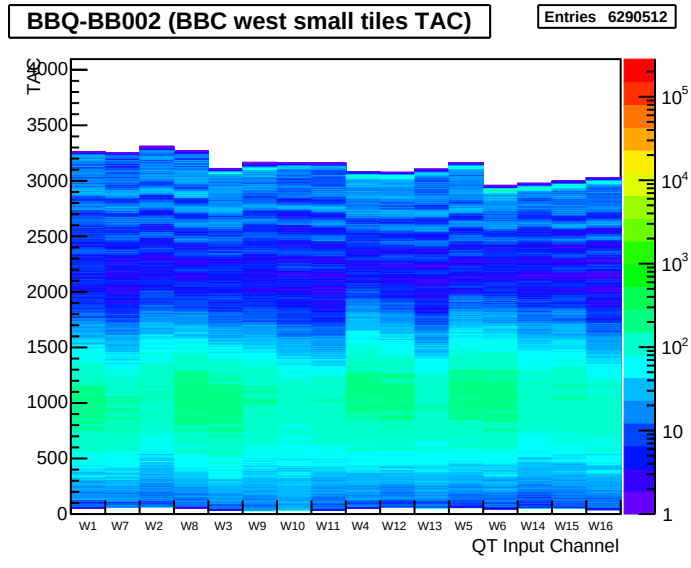

L2-TF201
Entries 2752099
Threshold/UPC bits
345271 348791 346047 348284 346467 342679 375136
47886 44366 47110 44873 46690 50478 18021
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

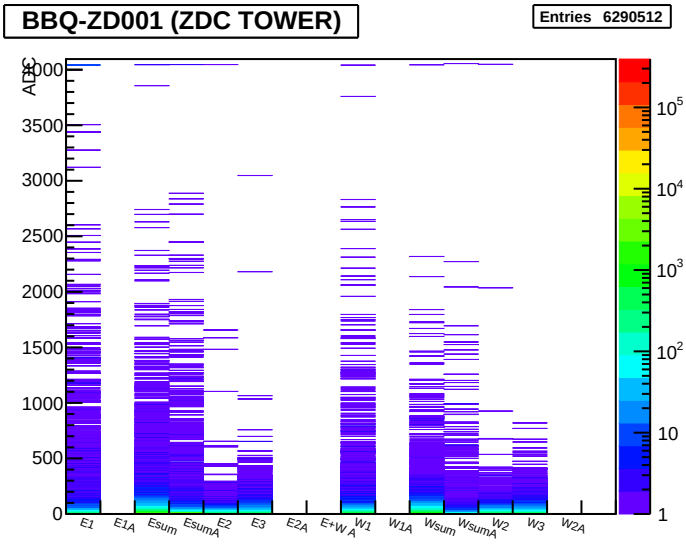

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

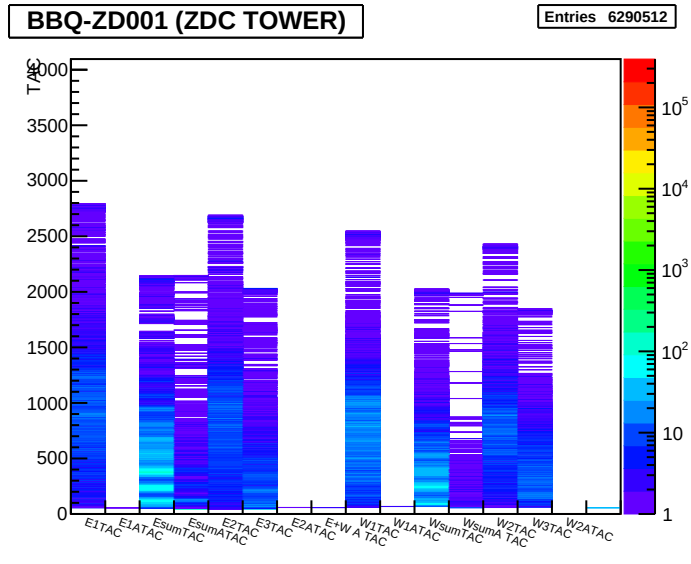

BBQ-BB001 (BBC east small tiles ADC)
Entries 6290512
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

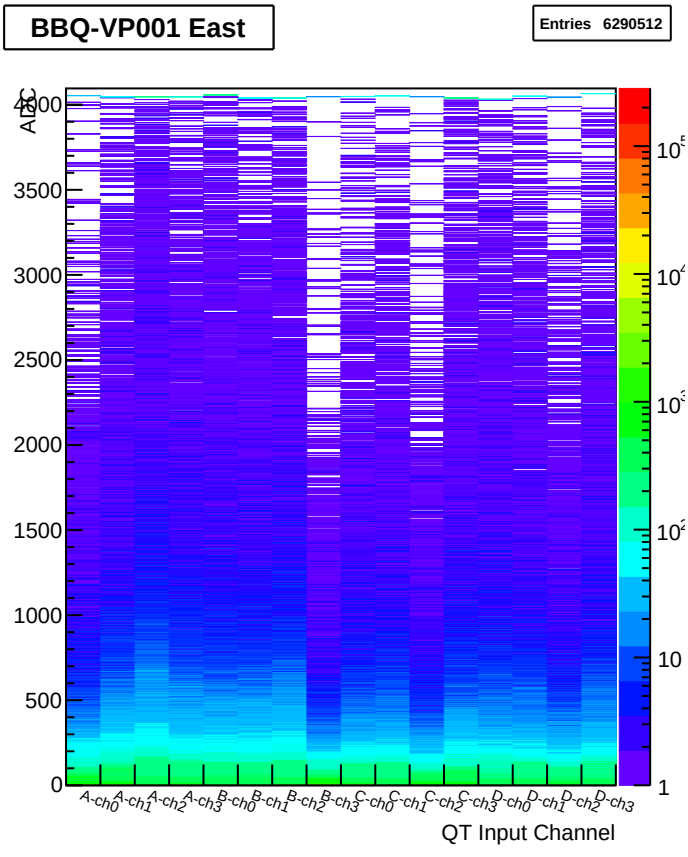

BBQ-BB001 (BBC east small tiles TAC)
Entries 6290512
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

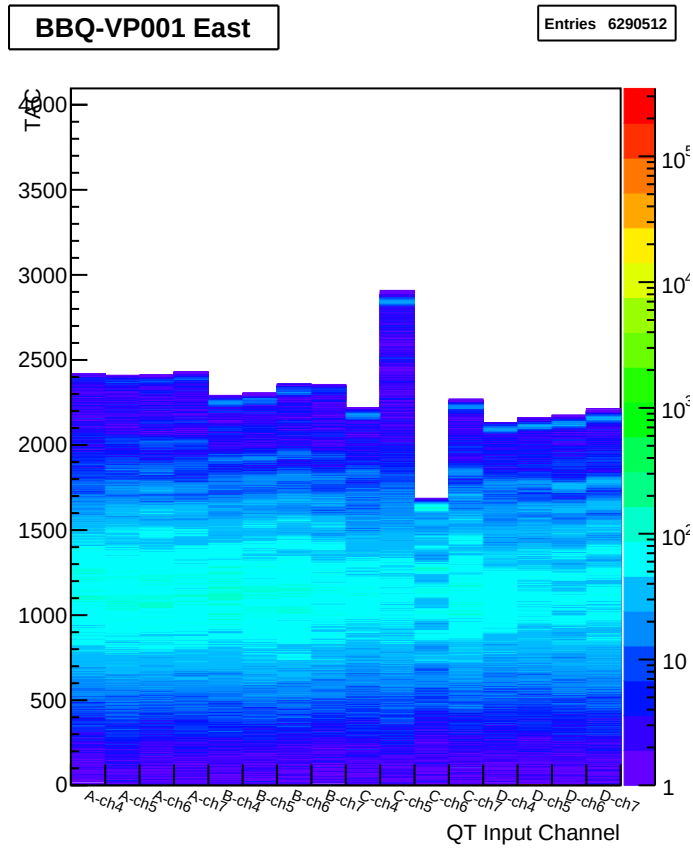

BBQ-BB002 (BBC west small tiles ADC)
Entries 6290512
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

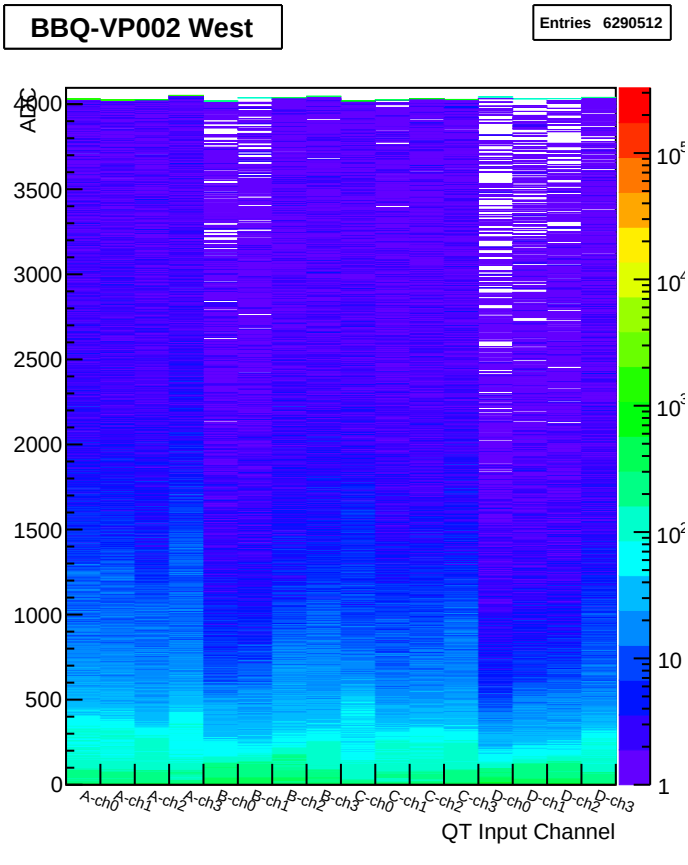

BBQ-BB002 (BBC west small tiles TAC)
Entries 6290512
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

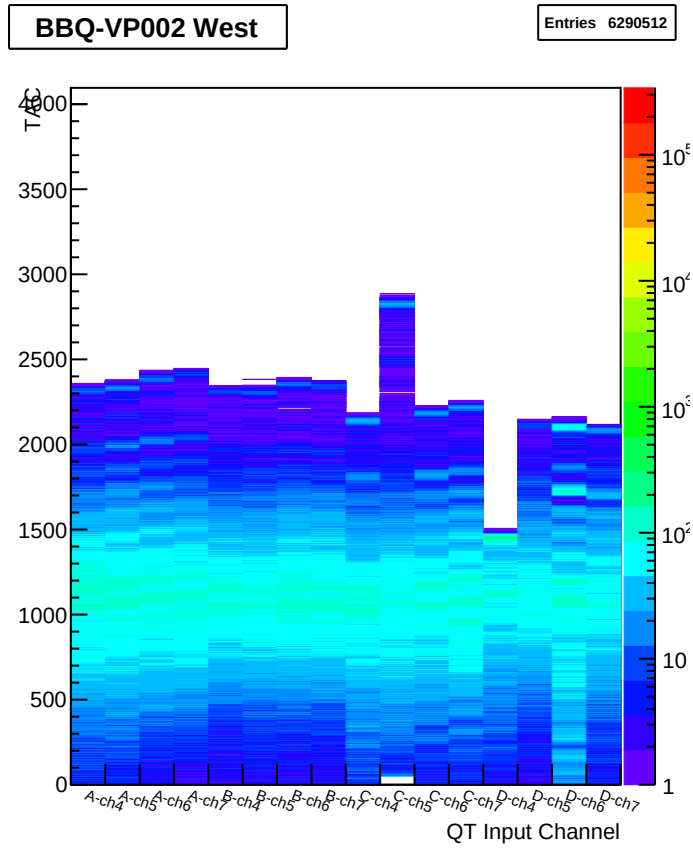

BBQ-ZD001 (ZDC TOWER)
Entries 6290512
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

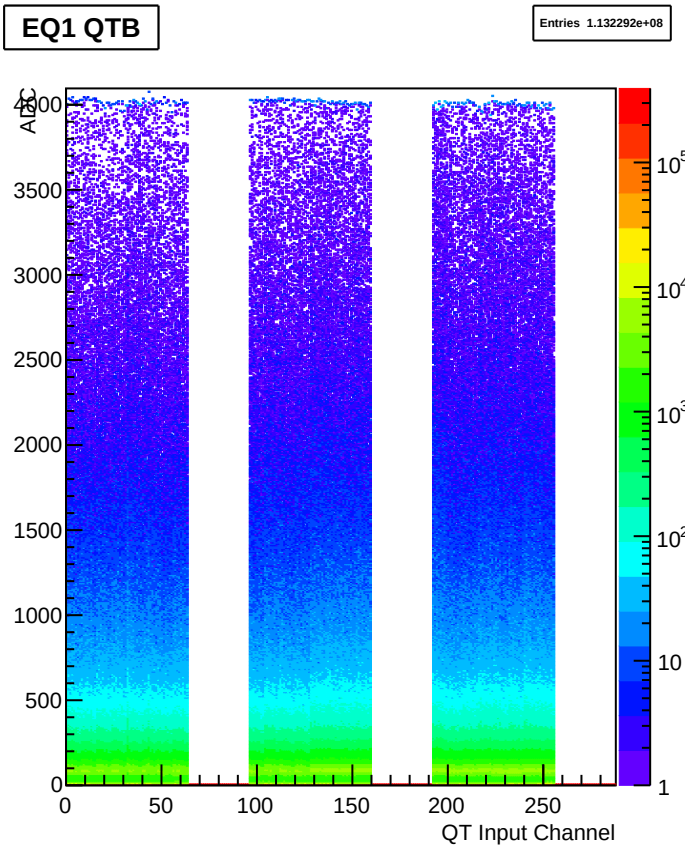

BBQ-ZD001 (ZDC TOWER)
Entries 6290512
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

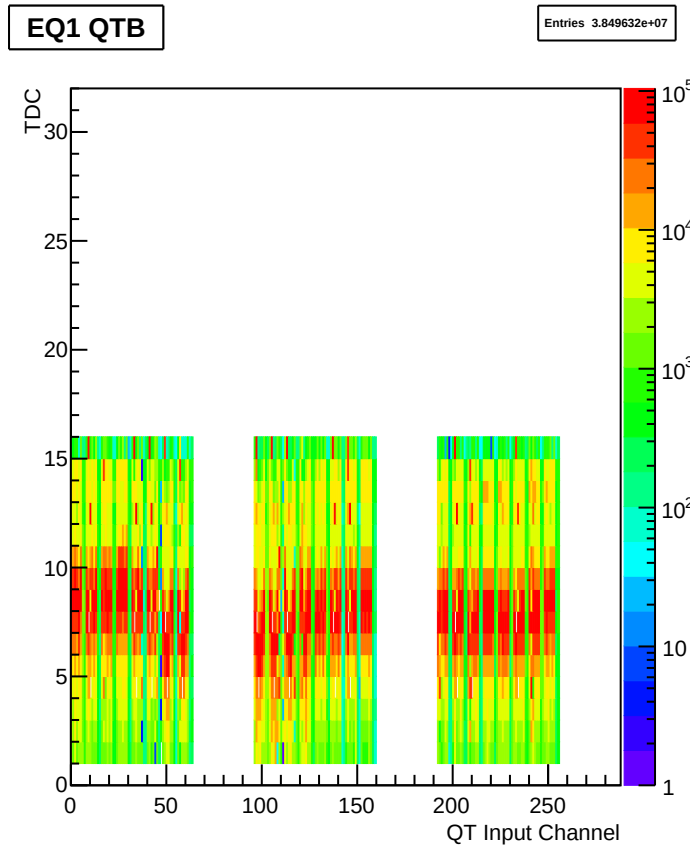

BBQ-VP001 East
Entries 6290512
ADC
QT Input Channel

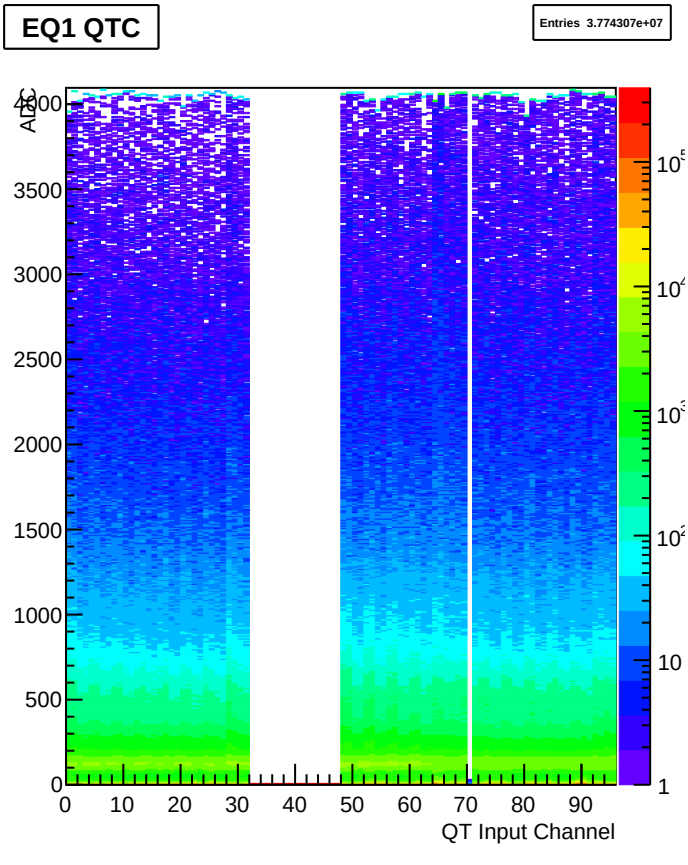

BBQ-VP001 East
Entries 6290512
TADC
QT Input Channel

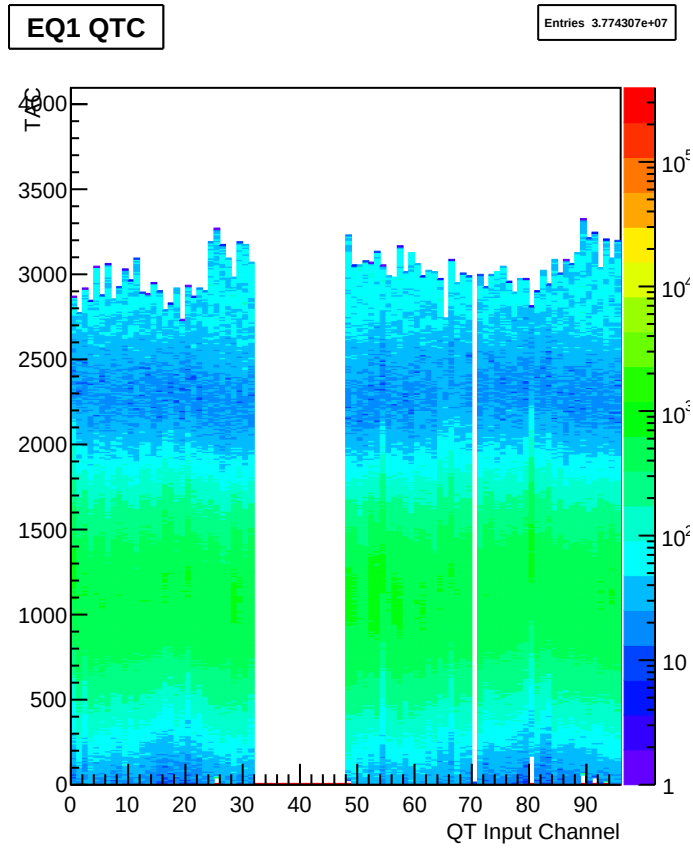

BBQ-VP002 West
Entries 6290512
ADC
QT Input Channel

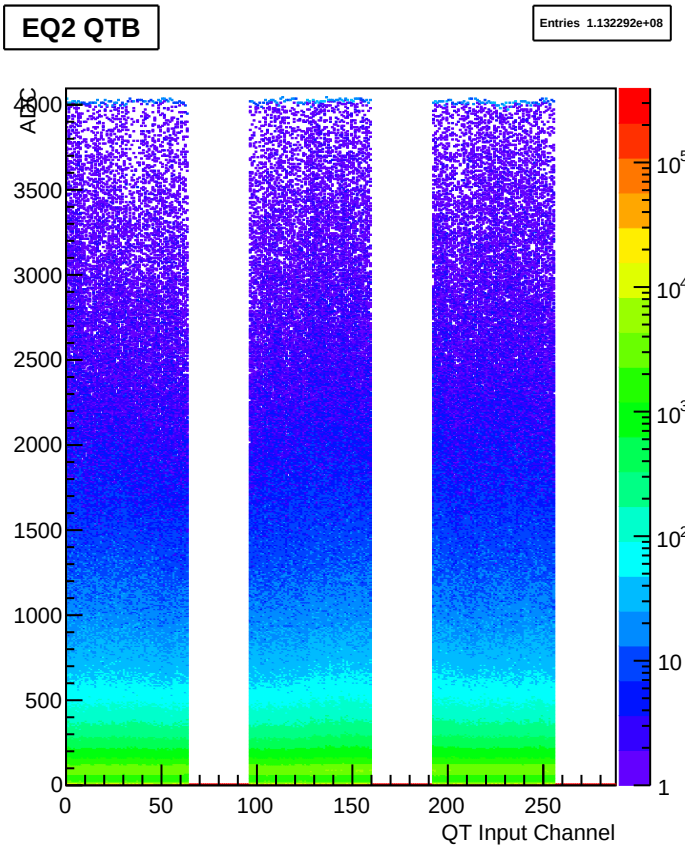

BBQ-VP002 West
Entries 6290512
TADC
QT Input Channel

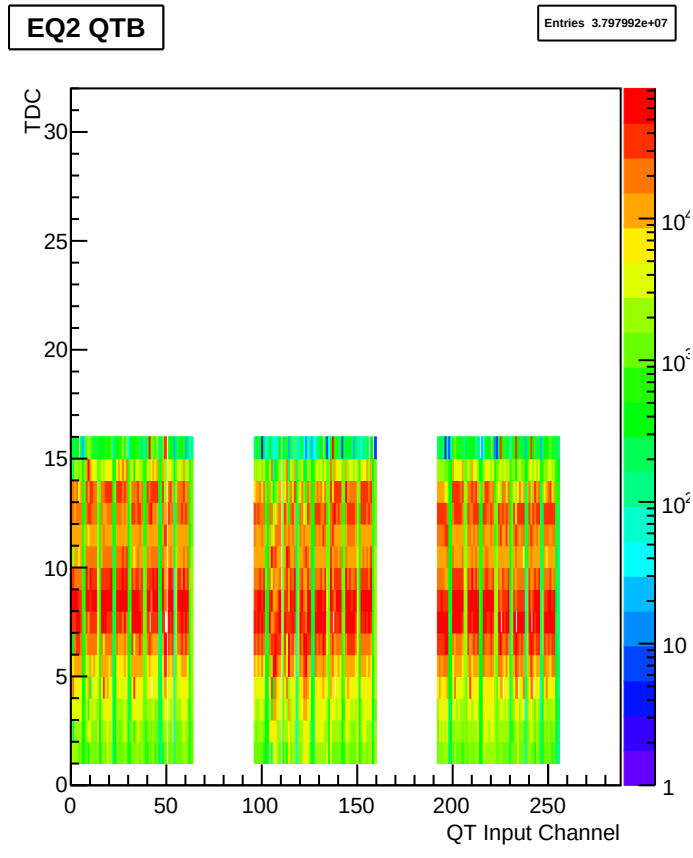

EQ1 QTB
Entries 1.132292e+08
ADC
QT Input Channel

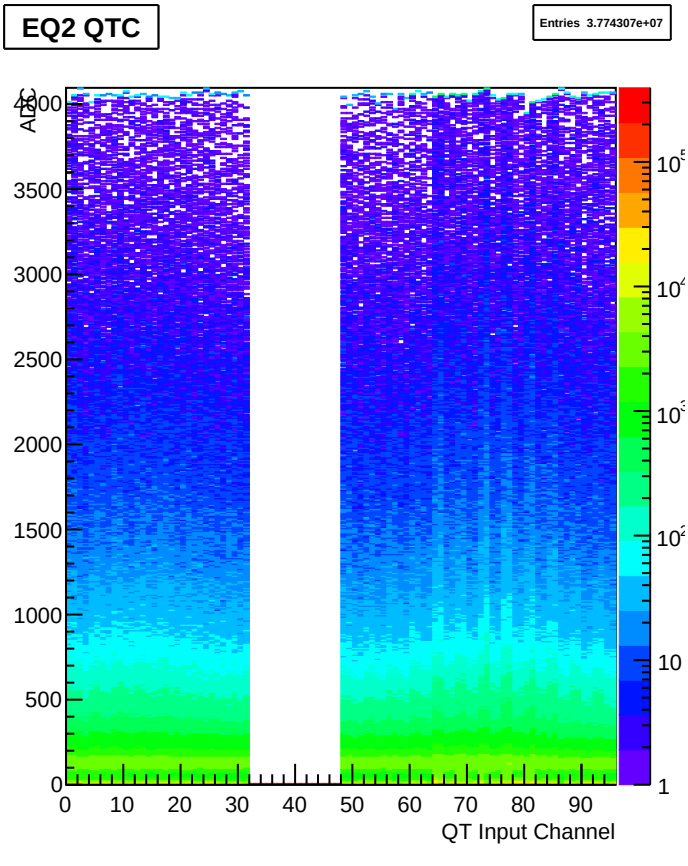

EQ1 QTB
Entries 3.849632e+07
TDC
QT Input Channel

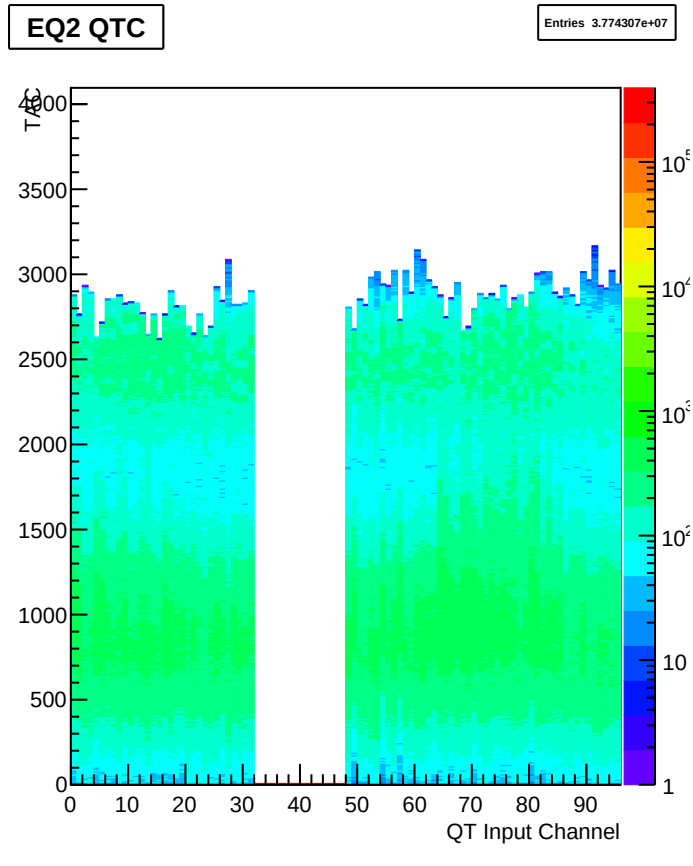

EQ1 QTC
Entries 3.774307e+07
ADC
QT Input Channel

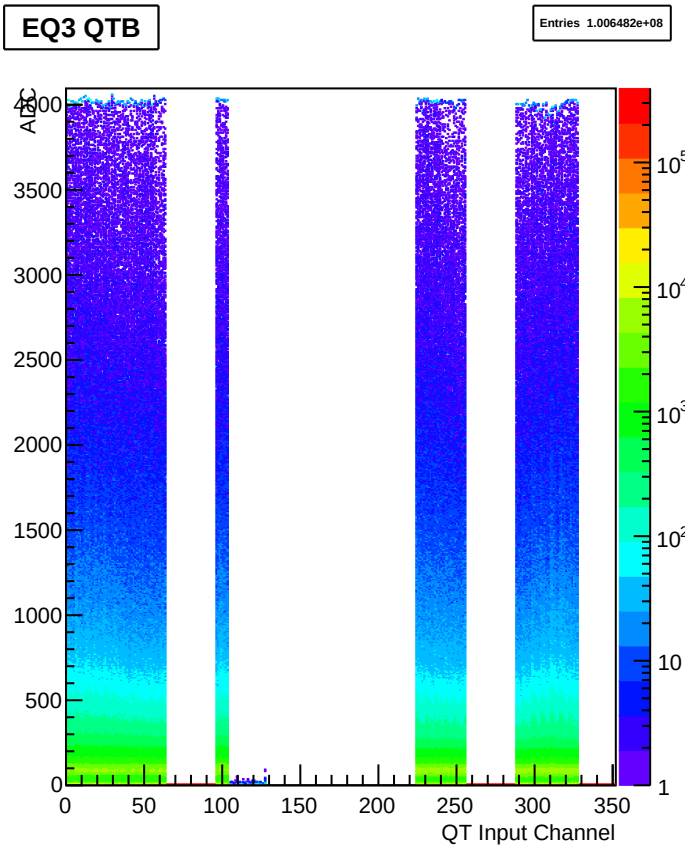

EQ1 QTC
Entries 3.774307e+07
TADC
QT Input Channel

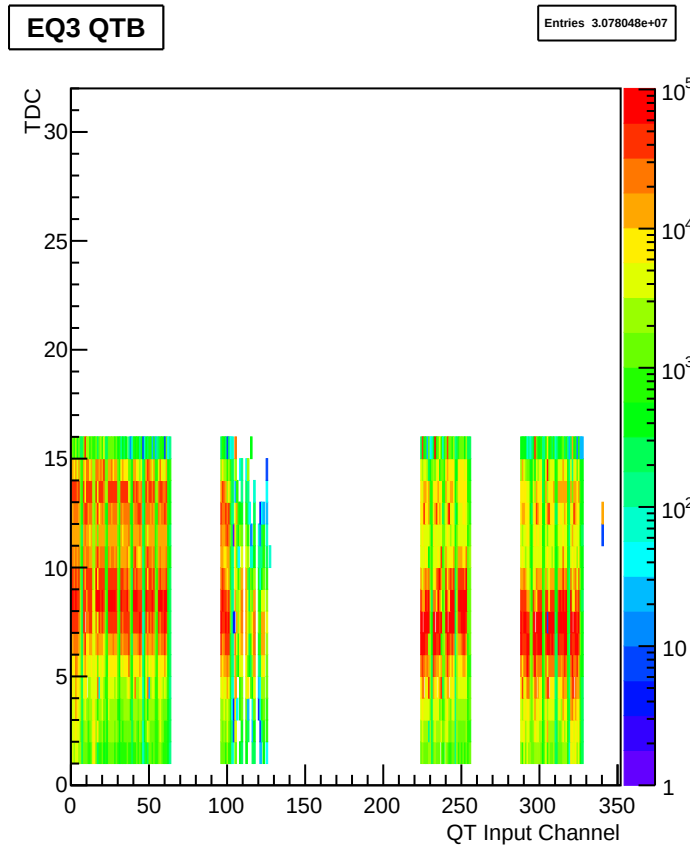

EQ2 QTB
Entries 1.132292e+08
ADC
QT Input Channel

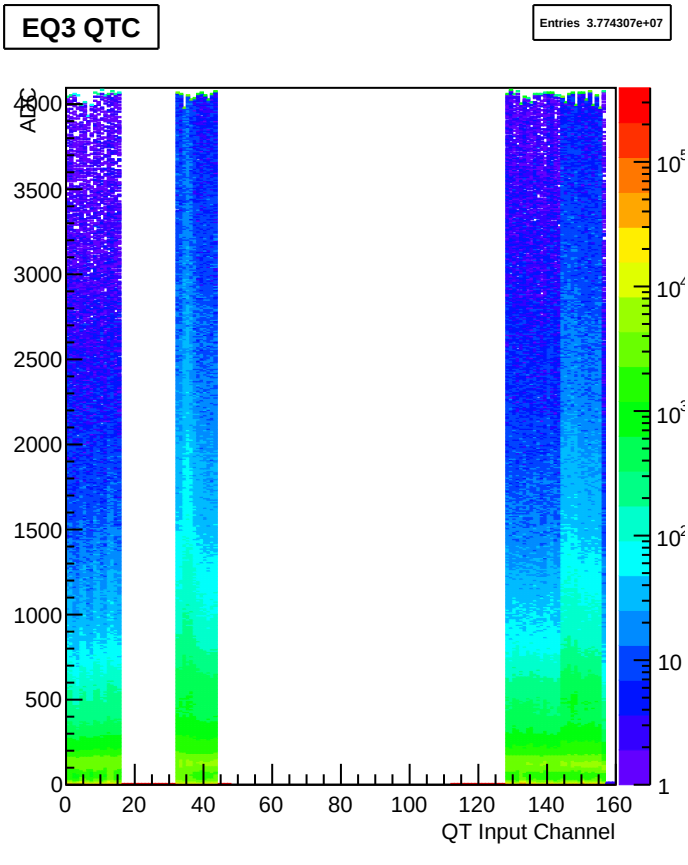

EQ2 QTB
Entries 3.797992e+07
TDC
QT Input Channel

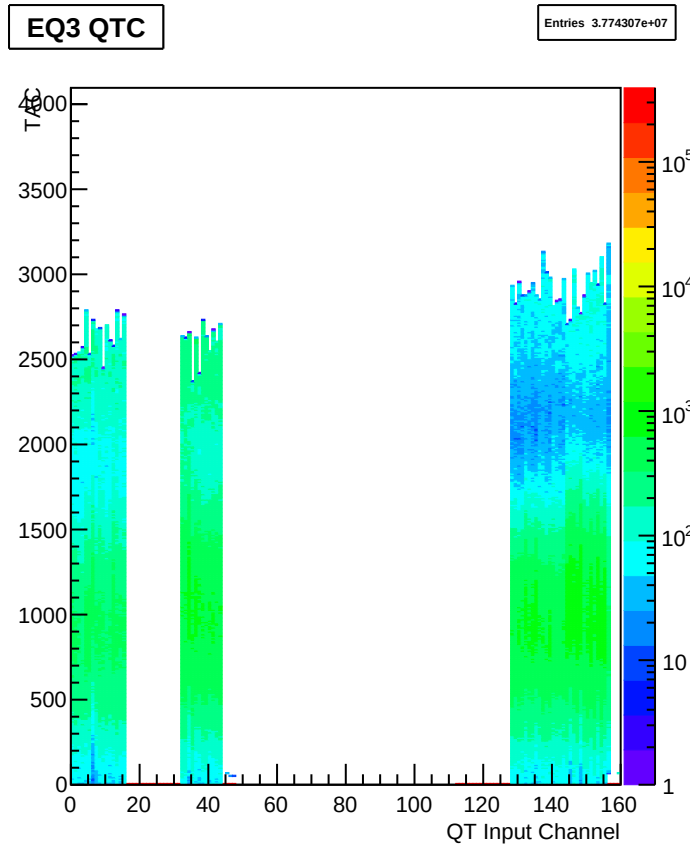

EQ2 QTC
Entries 3.774307e+07
ADC
QT Input Channel

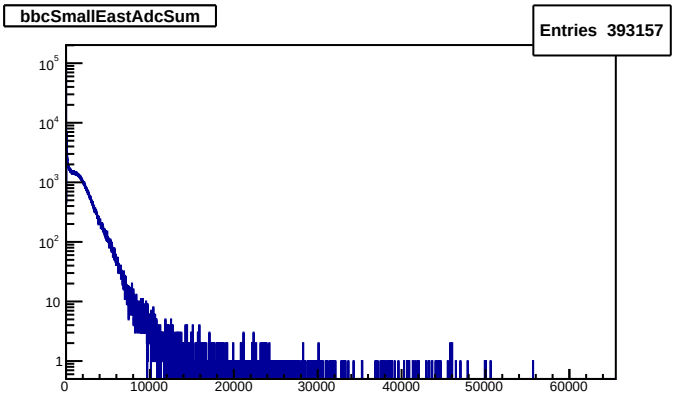

EQ2 QTC
Entries 3.774307e+07
TADC
QT Input Channel

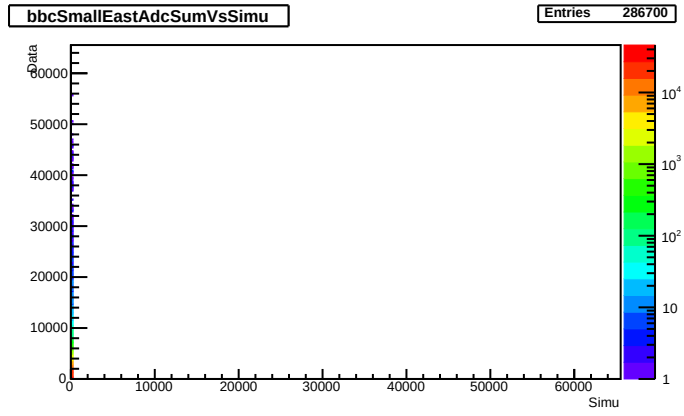

EQ3 QTB
Entries 1.006482e+08
ADC
QT Input Channel

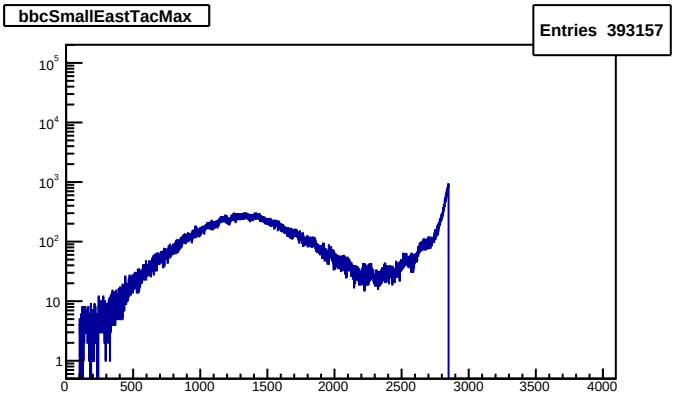

EQ3 QTB
Entries 3.078048e+07
TDC
QT Input Channel

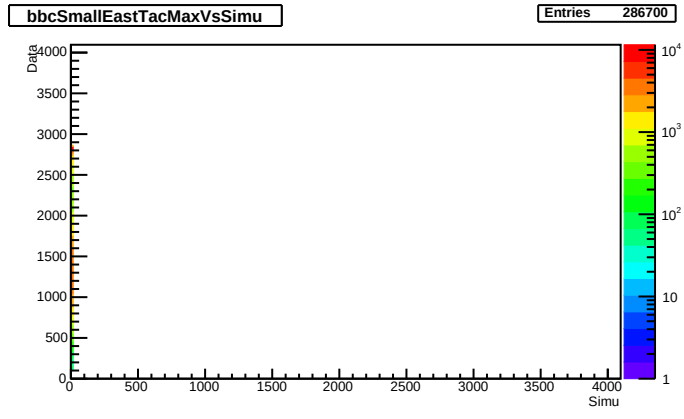

EQ3 QTC
Entries 3.774307e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.774307e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 393157


bbcSmallEastAdcSumVsSimu
Entries 286700
Data
Simu


bbcSmallEastTacMax
Entries 393157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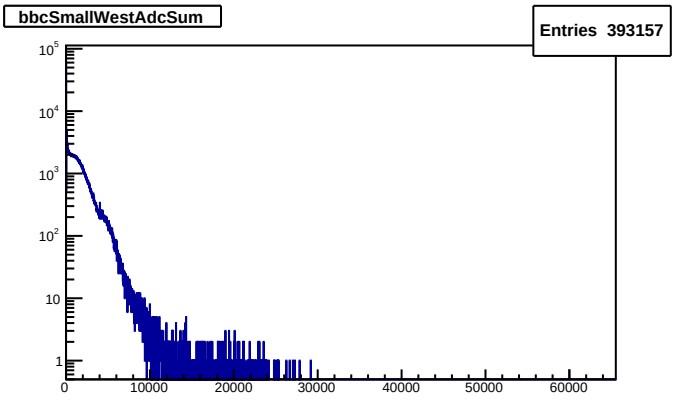
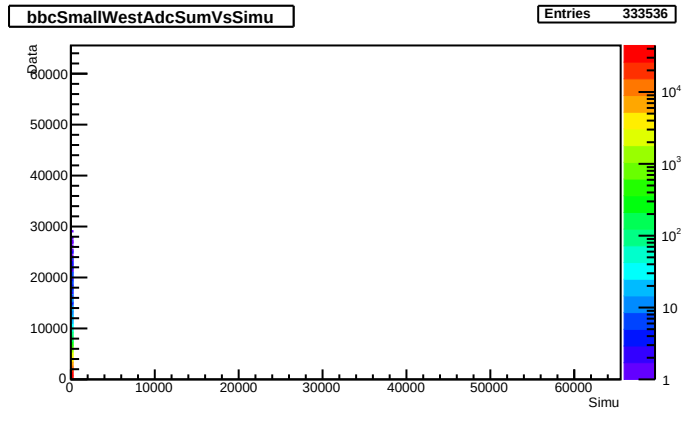
Entries 286700
Data
Simu


bbcSmallWestAdcSum
Entries 393157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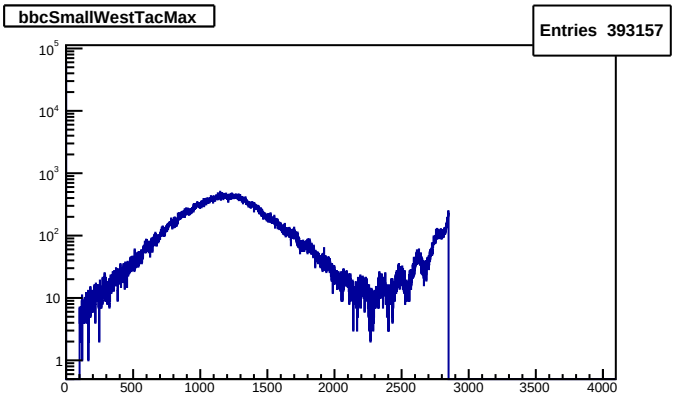
Entries 333536
Data
Simu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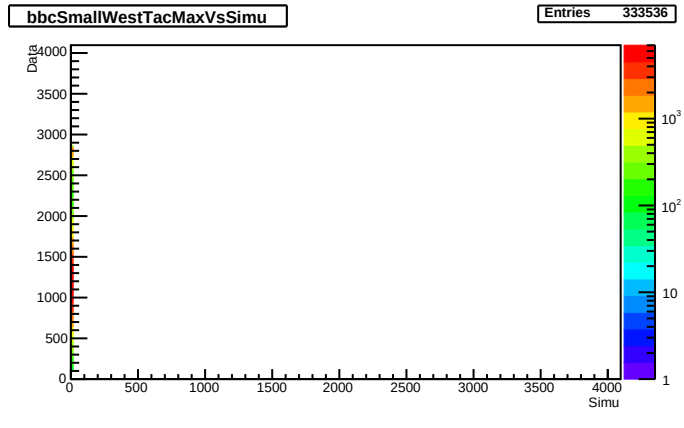
Entries 393157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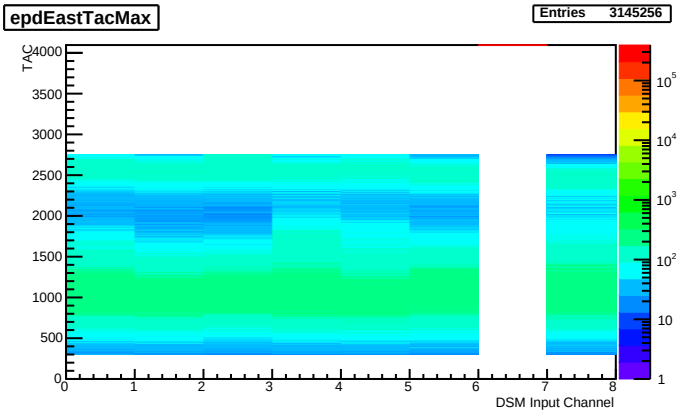
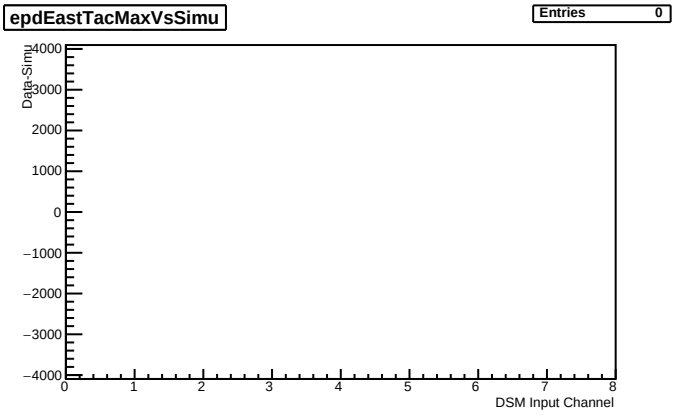
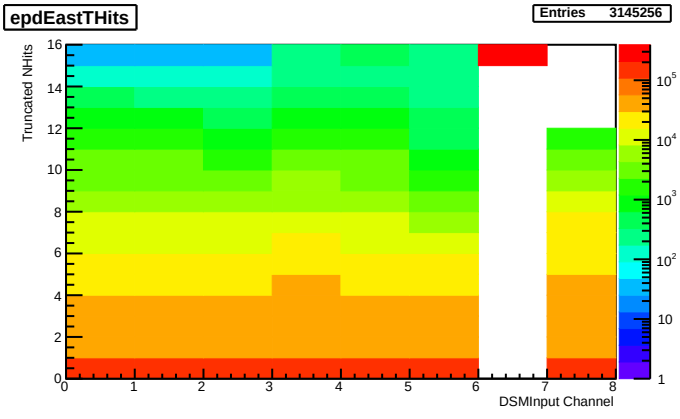
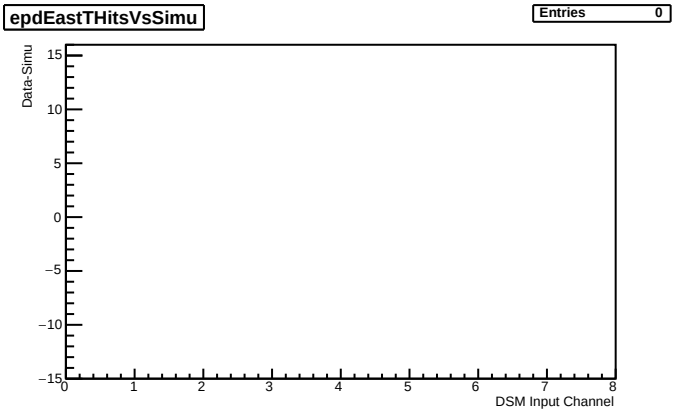
Entries 333536
Data
Simu


epdEastTacMax
Entries 3145256
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3145256
Truncated NHits
DSMInput Channel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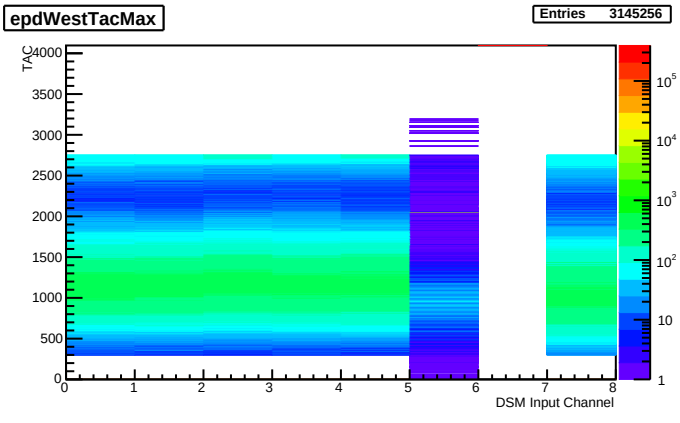
Data-Simu
DSM Input Channel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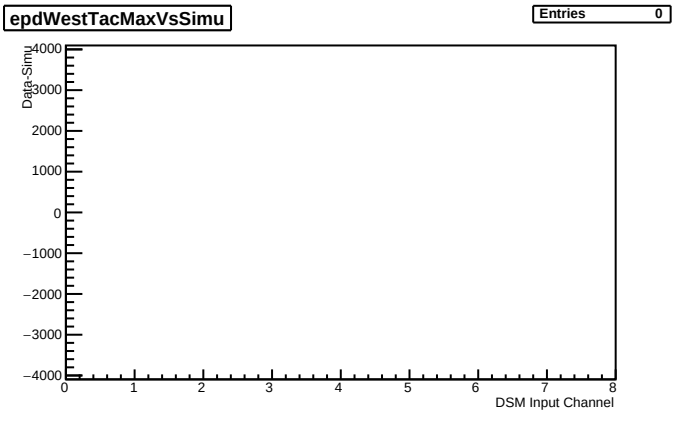
TAC
DSM Input Channel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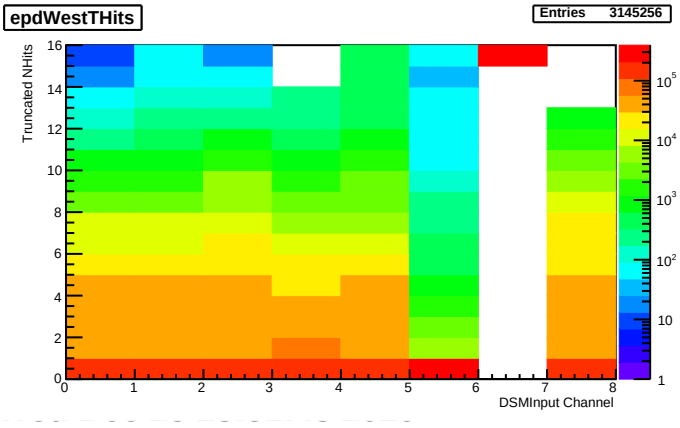
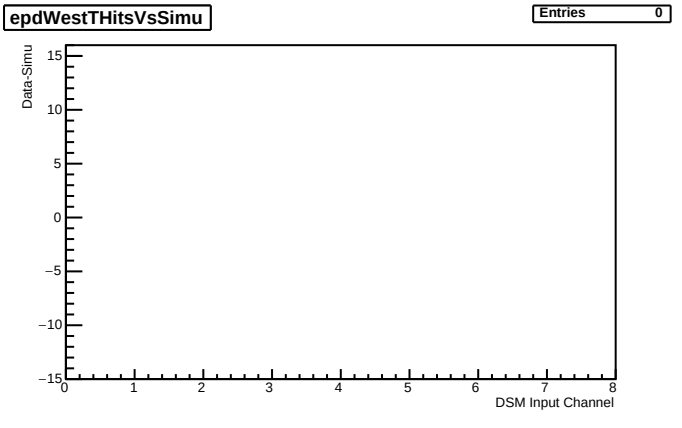
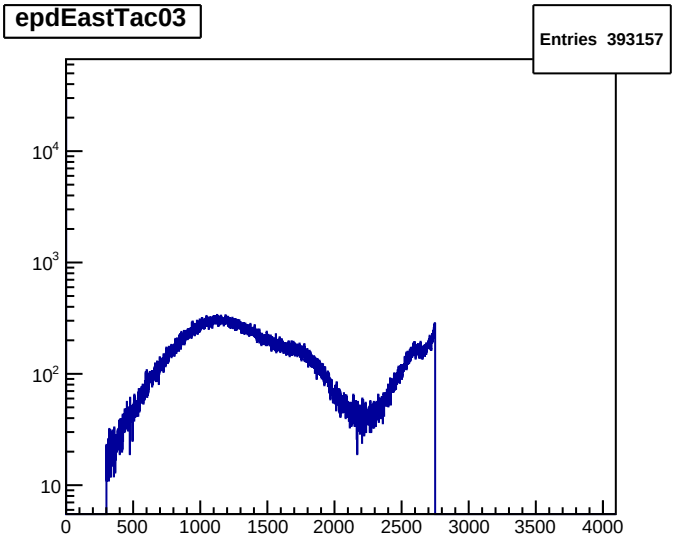
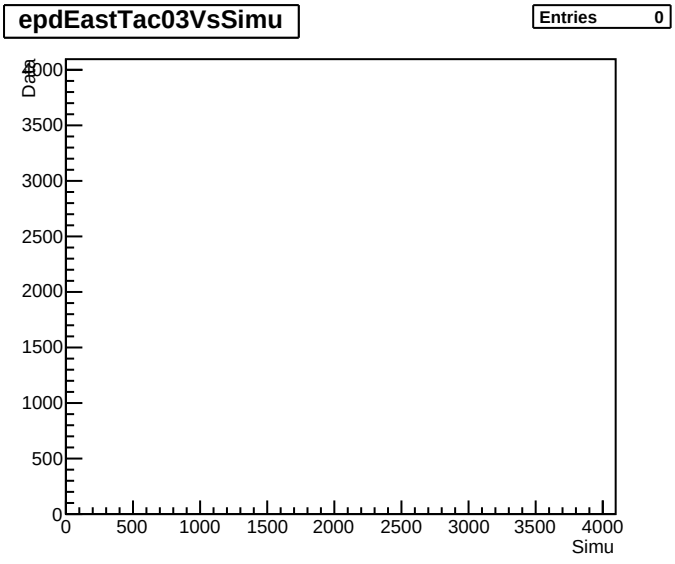
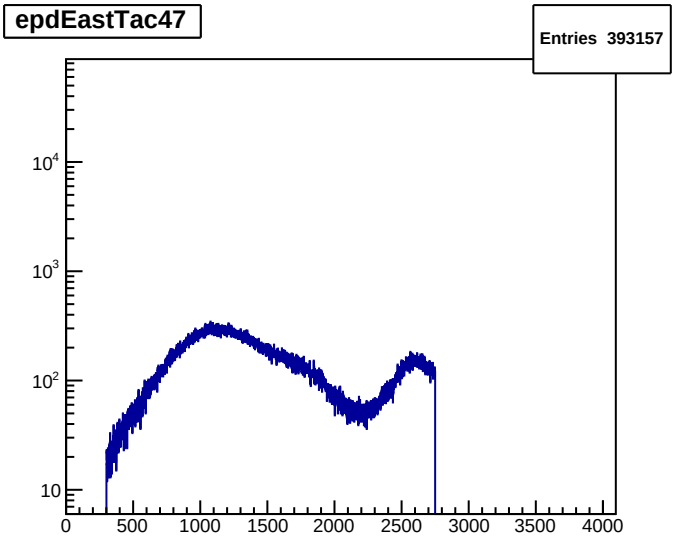
Entries 0
Data-Simu
DSM Input Channel

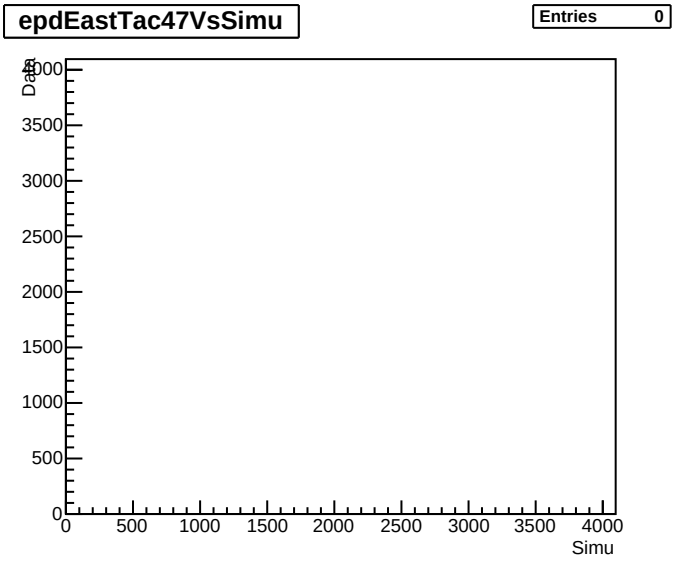

epdWestTHits
Entries 3145256
Truncated NHits
DSMInput Channel

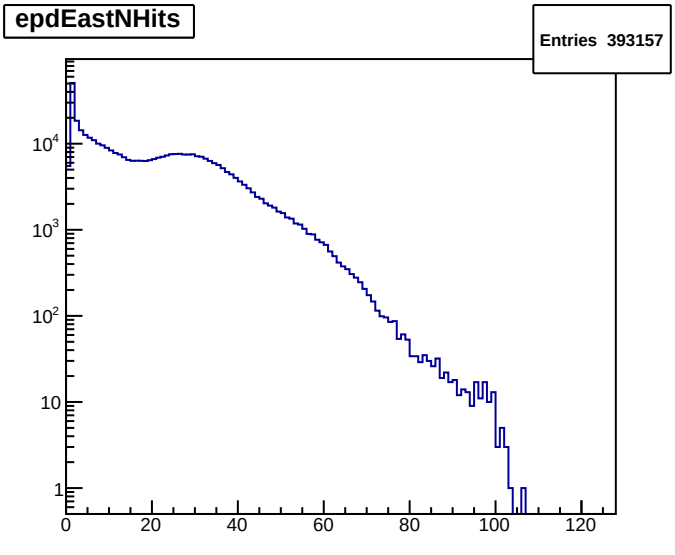

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

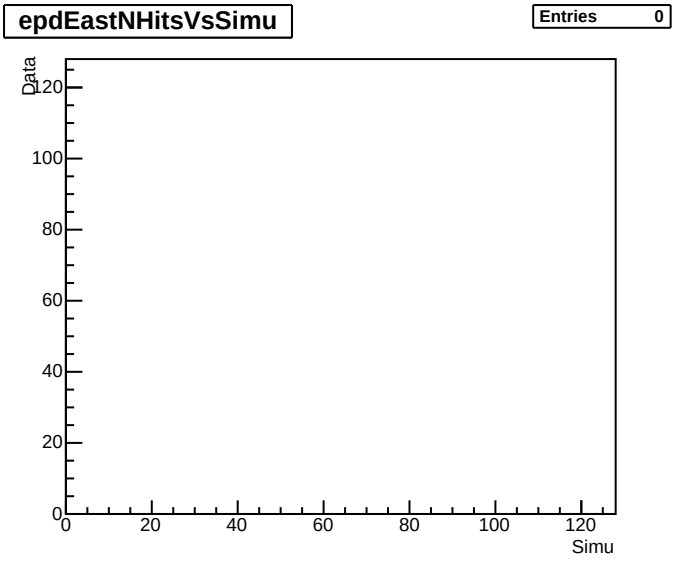

epdEastTac03
Entries 393157
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

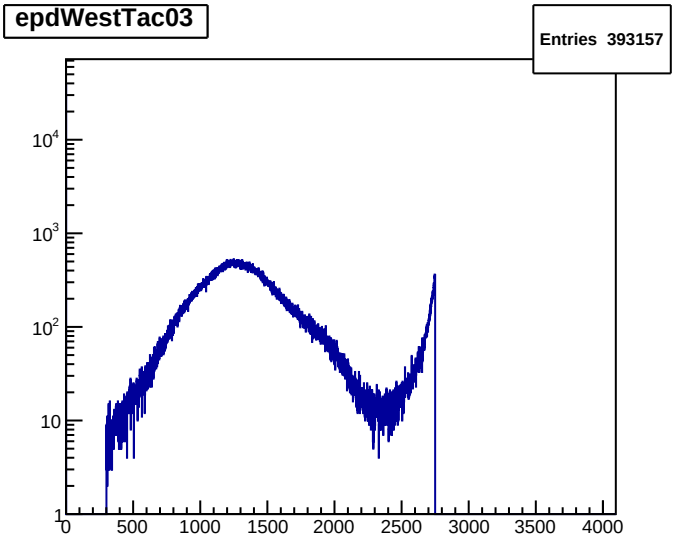

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

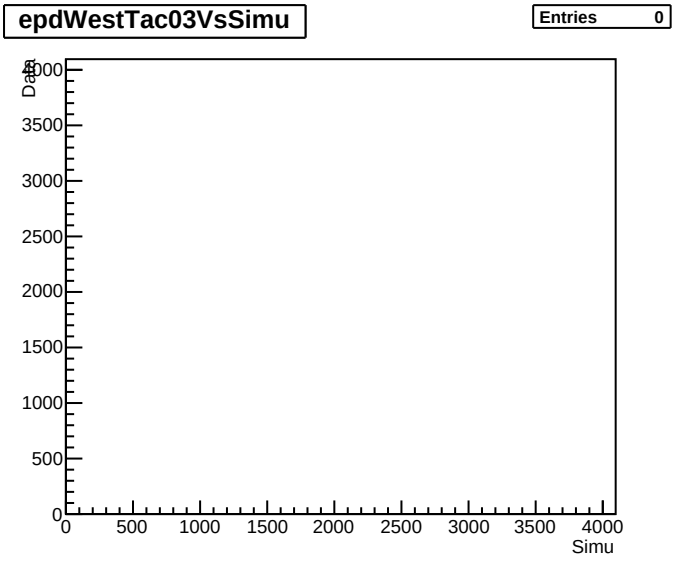

epdEastTac47
Entries 393157
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


epdEastTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastNHits
Entries 393157
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120


epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu


epdWestTac03
Entries 393157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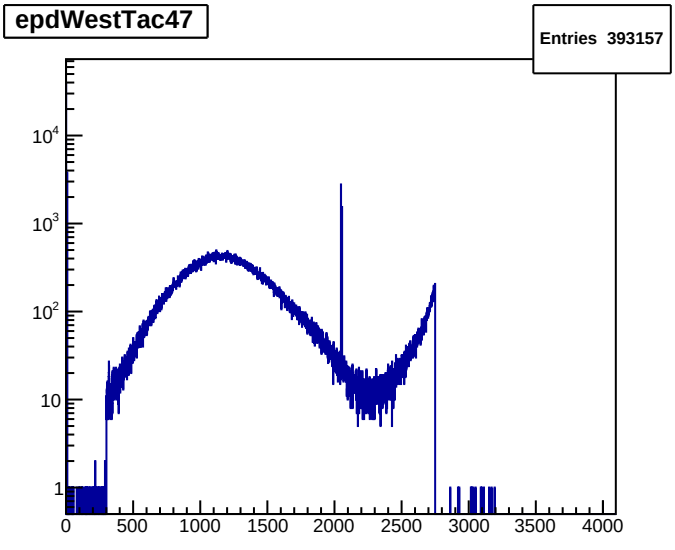
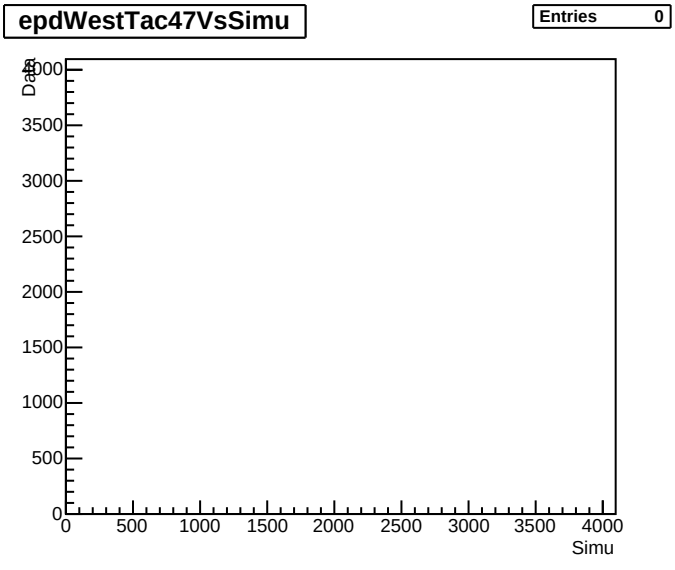
Entries 0
Data
Simu


epdWestTac47
Entries 393157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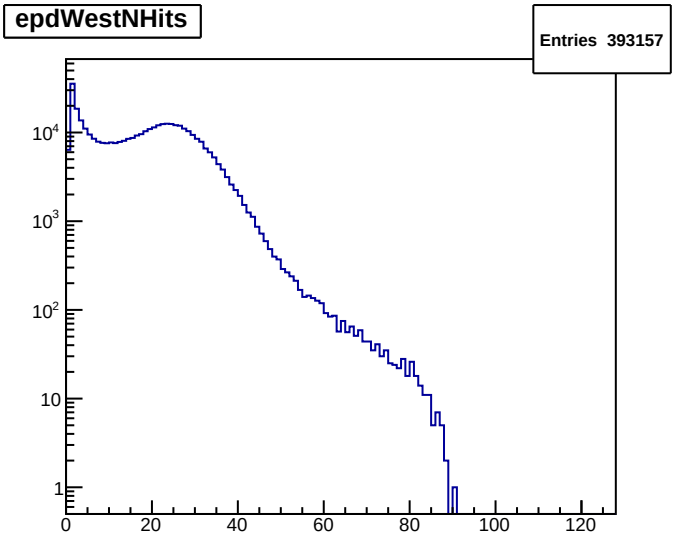
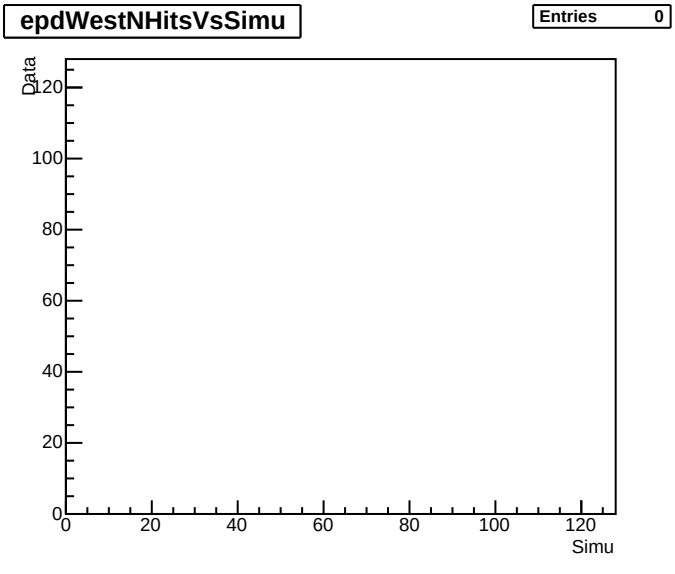
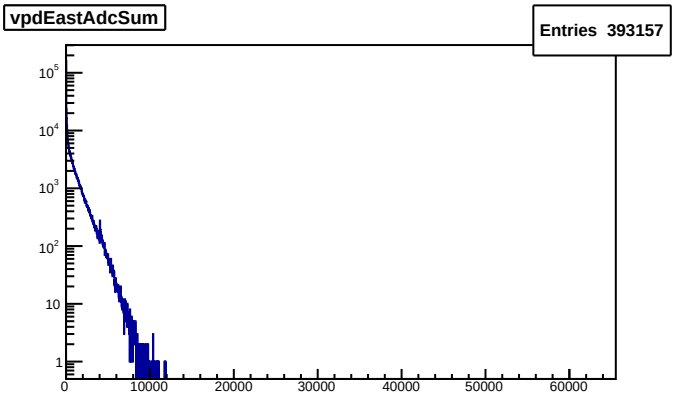
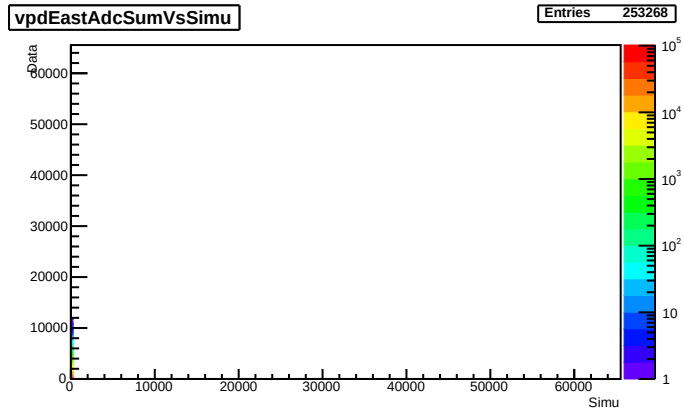
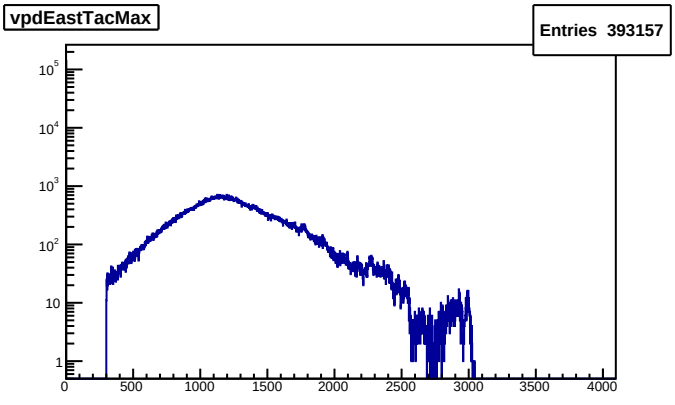
Entries 0
Data
Simu

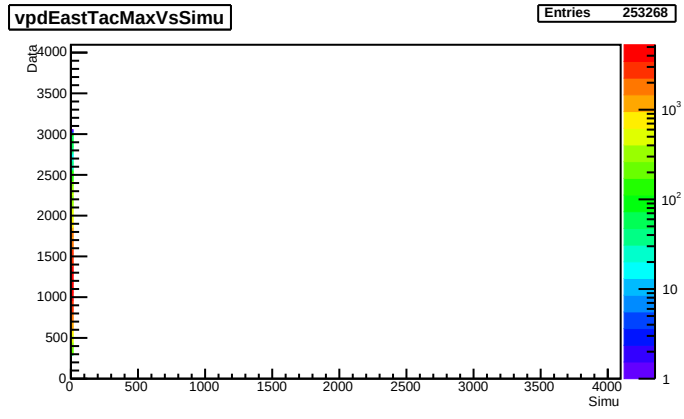

epdWestNHits
Entries 393157


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 393157


vpdEastAdcSumVsSimu
Entries 253268
Data
Simu


vpdEastTacMax
Entries 393157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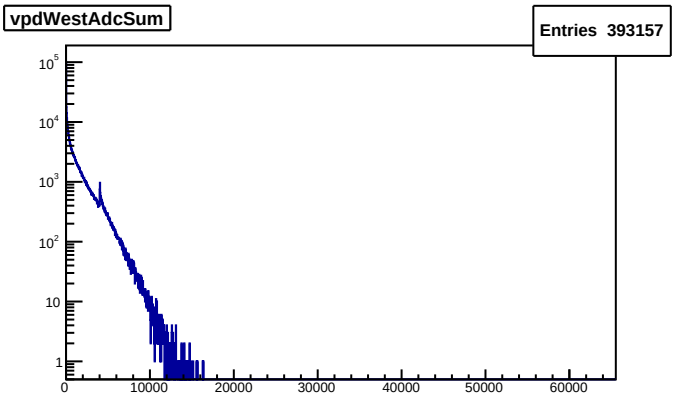
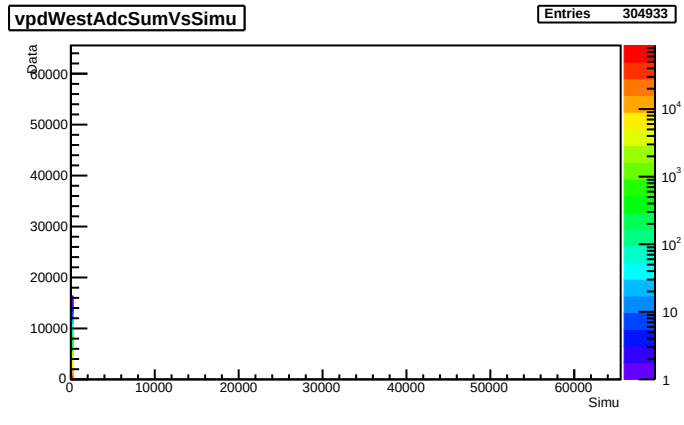
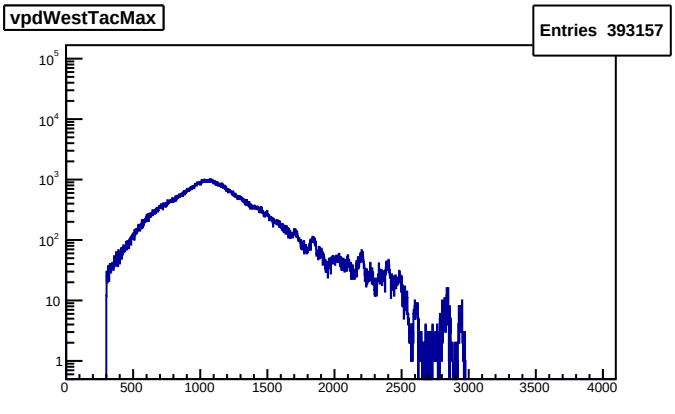
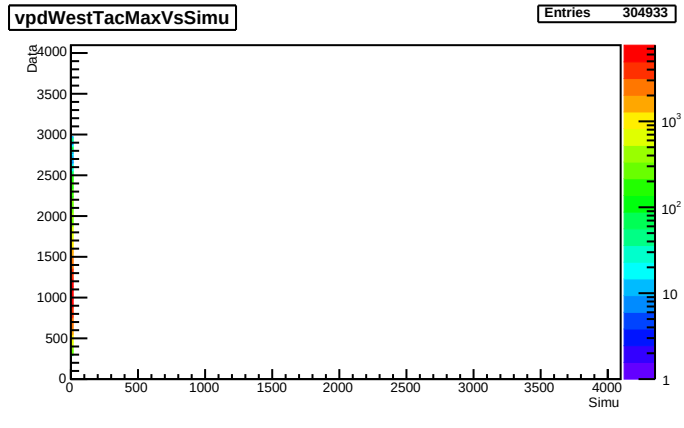
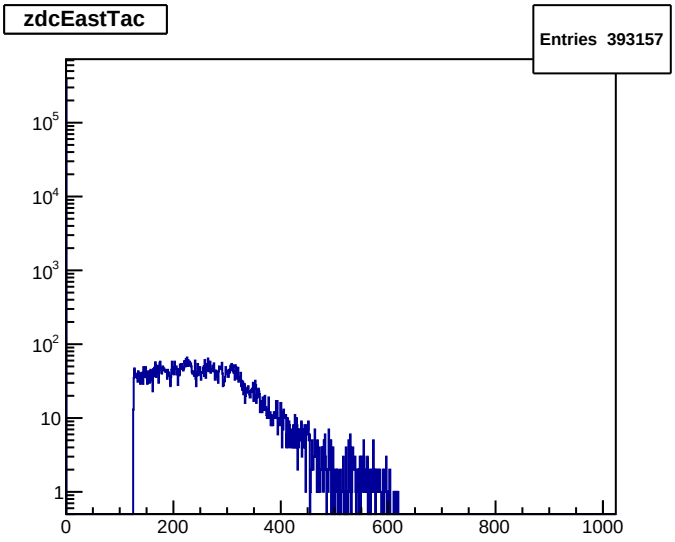
Entries 253268
Data
Simu

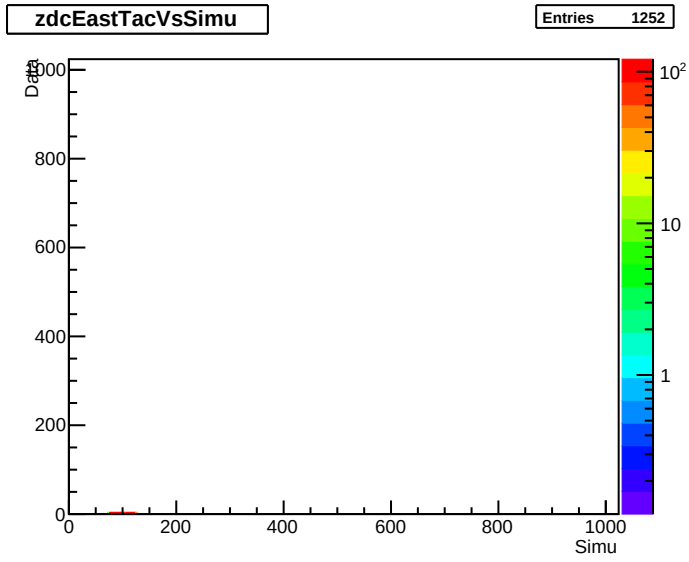

vpdWestAdcSum
Entries 393157

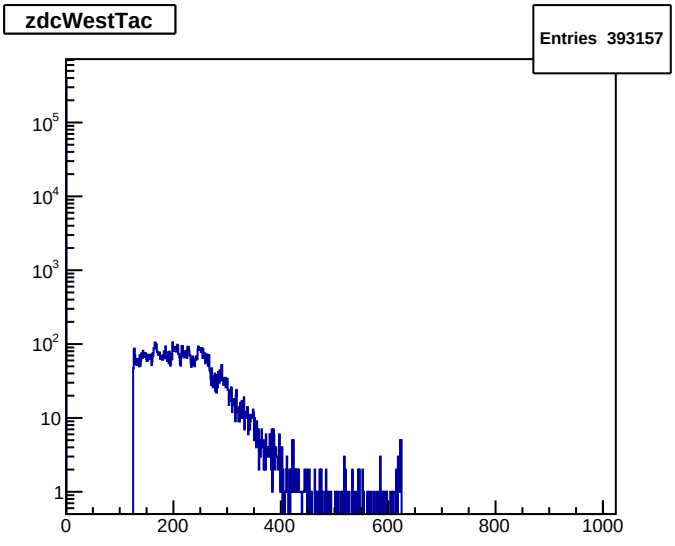

vpdWestAdcSumVsSimu
Entries 304933
Data
Simu

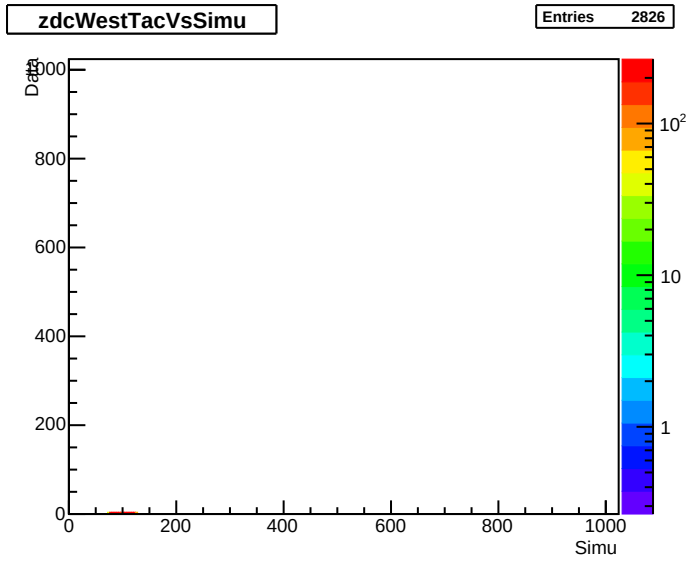

vpdWestTacMax
Entries 393157

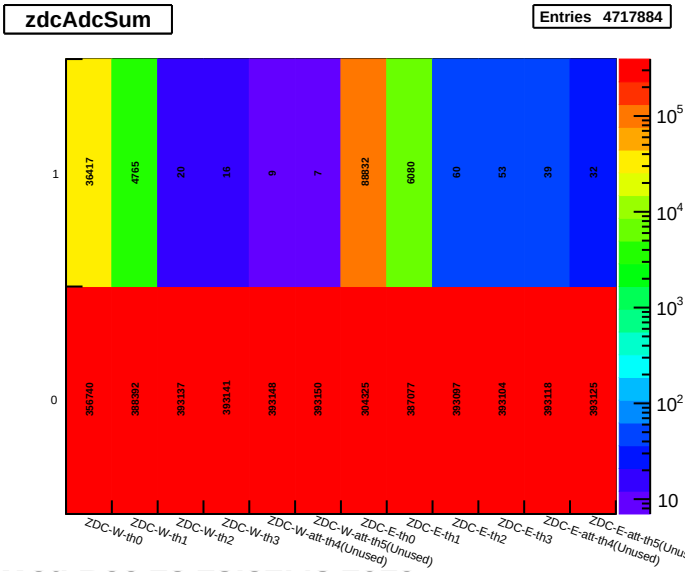

vpdWestTacMaxVsSimu
Entries 304933
Data
Simu

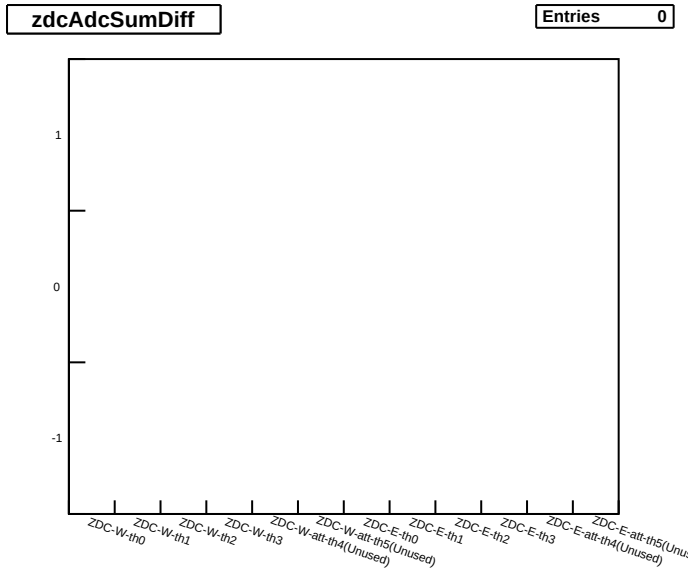

zdcEastTac
Entries 393157

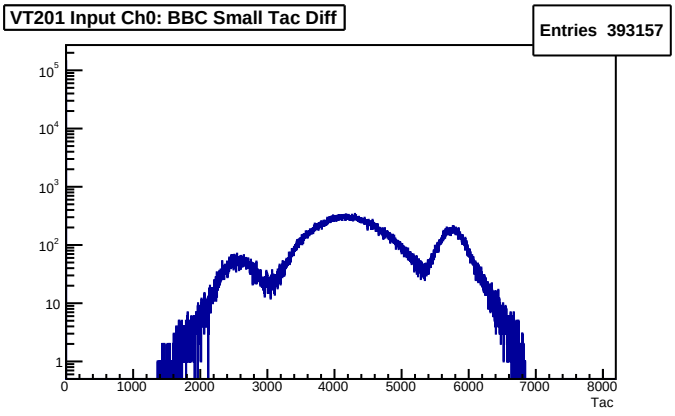

zdcEastTacVsSimu
Entries 1252
Data
Simu

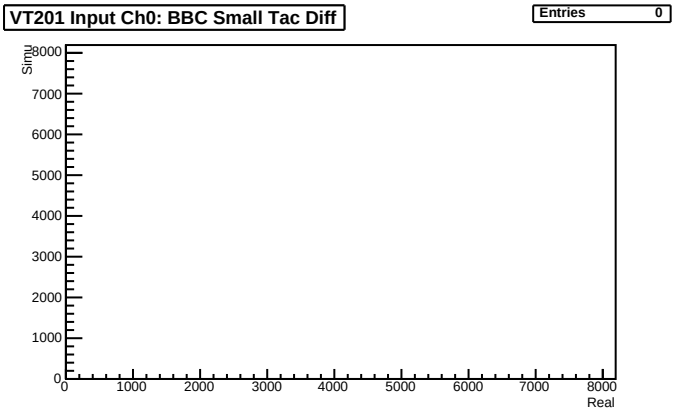

zdcWestTac
Entries 393157

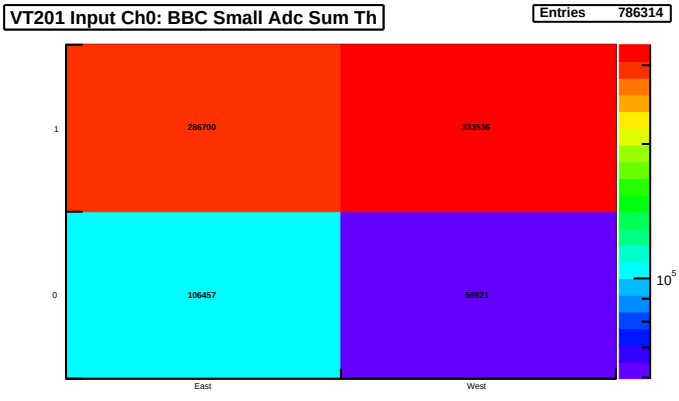

zdcWestTacVsSimu
Entries 2826
Data
Simu

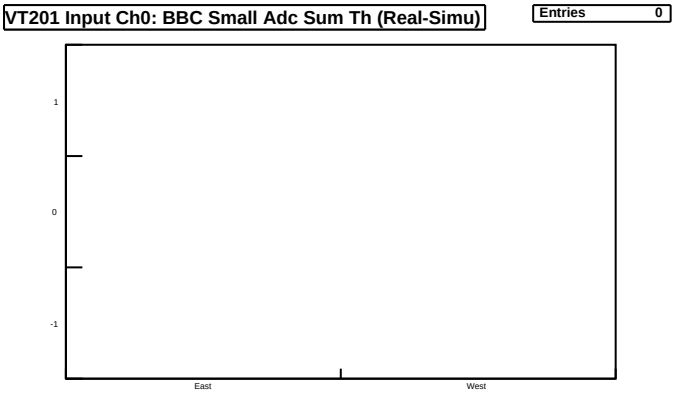

zdcAdcSum
Entries 4717884
36417
4765
20
16
9
7
88832
6080
60
53
39
32
356740
388392
393137
393141
393148
393150
394225
387077
393097
393104
393118
393125
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

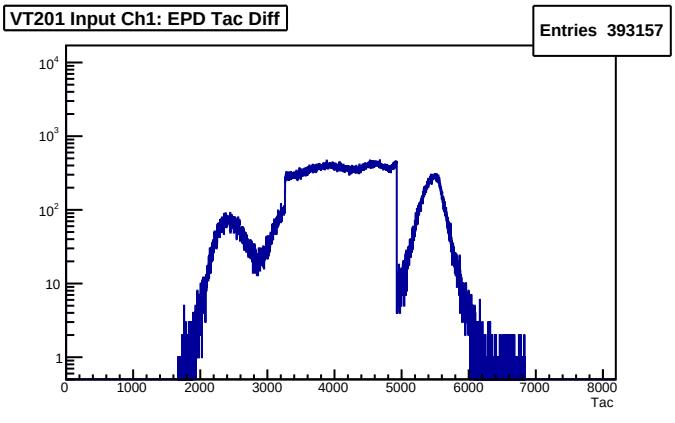

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

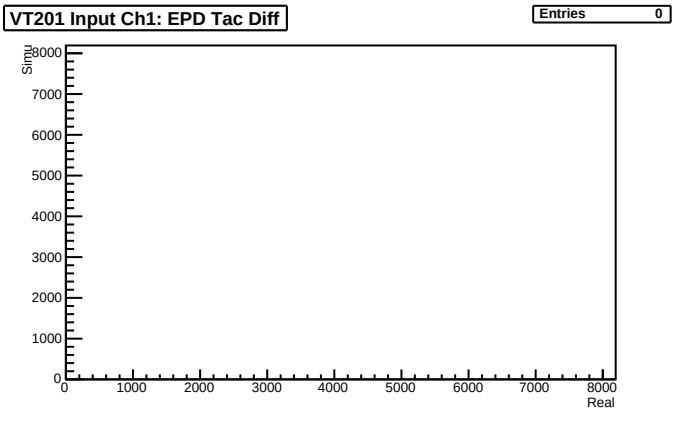

VT201 Input Ch0: BBC Small Tac Diff
Entries 393157
Tac

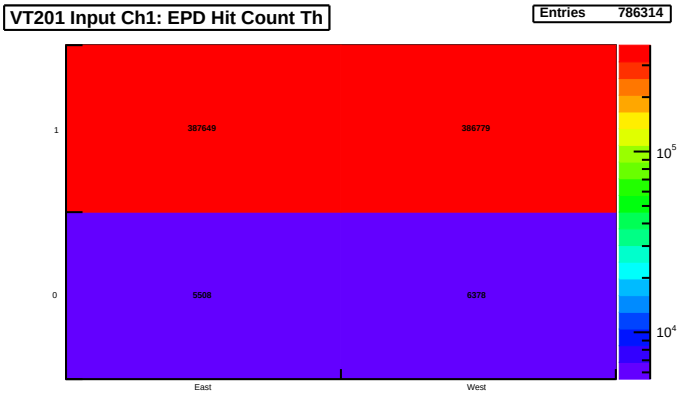

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

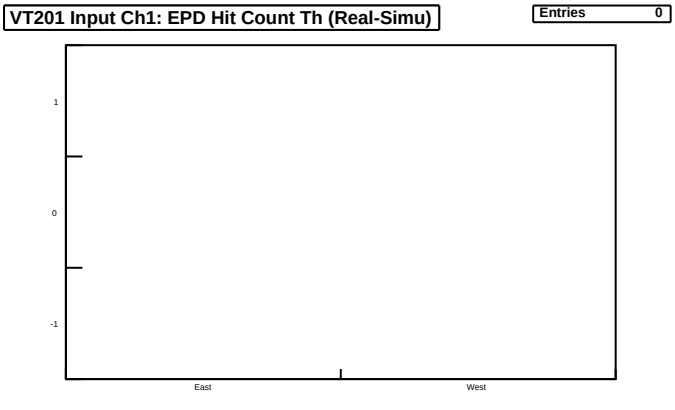

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 786314
286700
333536
106457
59621
East
West

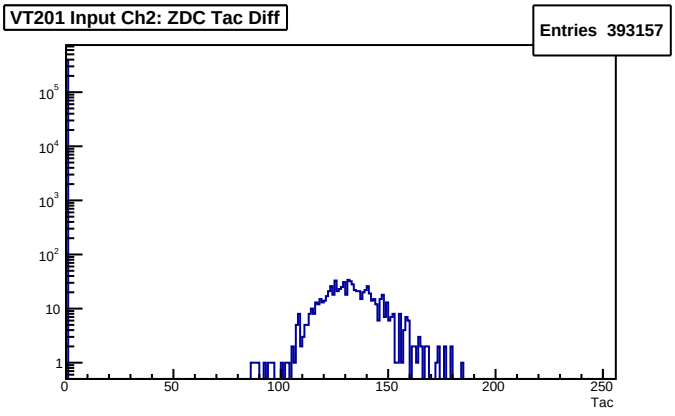

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

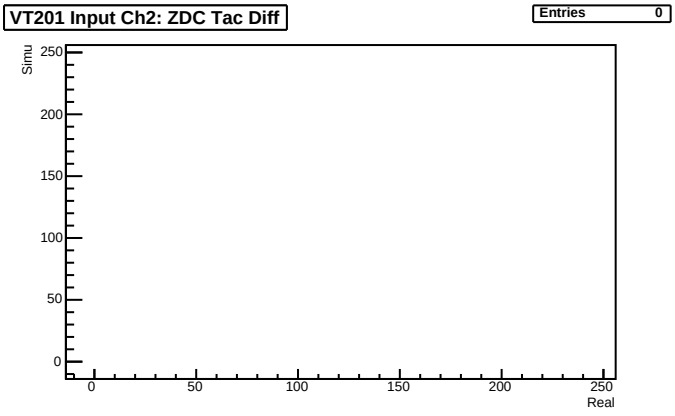

VT201 Input Ch1: EPD Tac Diff
Entries 393157
Tac

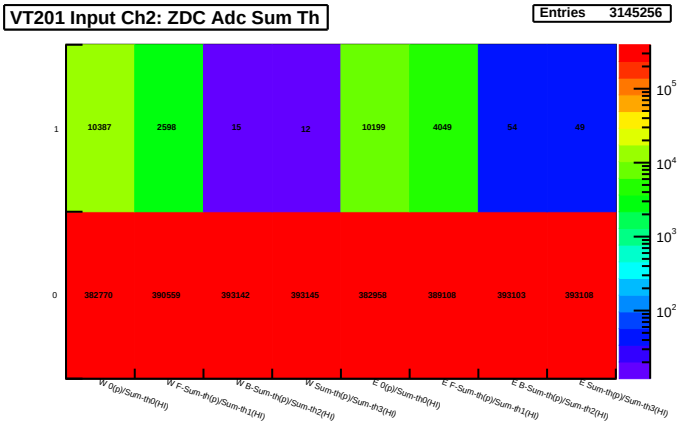

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

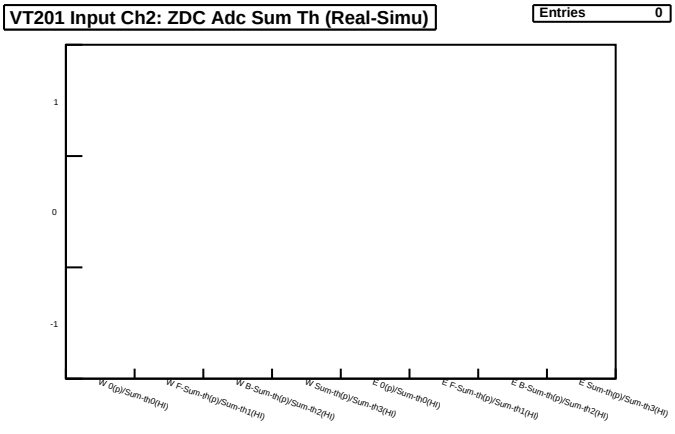

VT201 Input Ch1: EPD Hit Count Th
Entries 786314
387649
386779
5508
6378
East
West

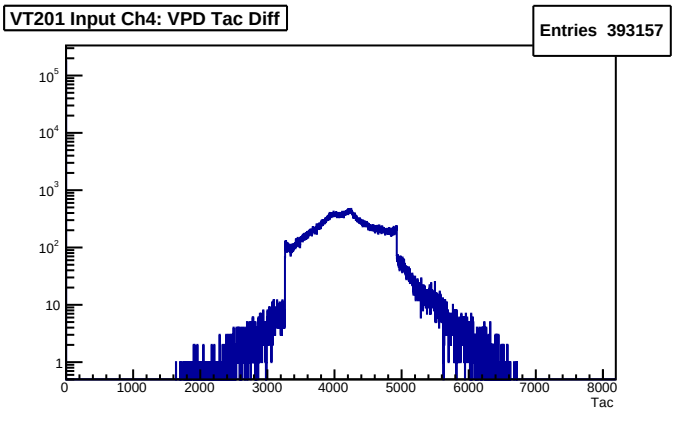

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

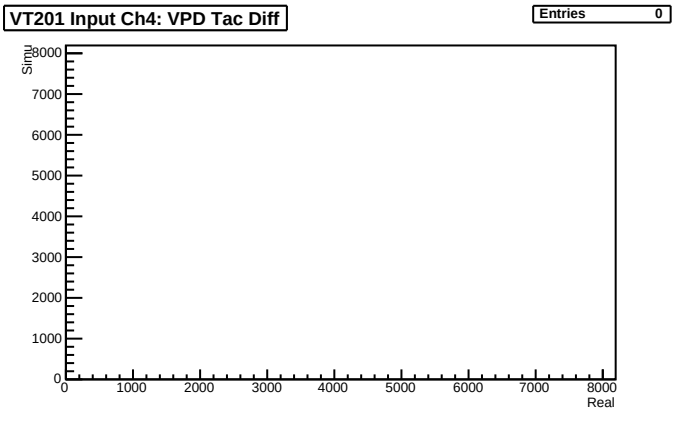

VT201 Input Ch2: ZDC Tac Diff
Entries 393157
Tac

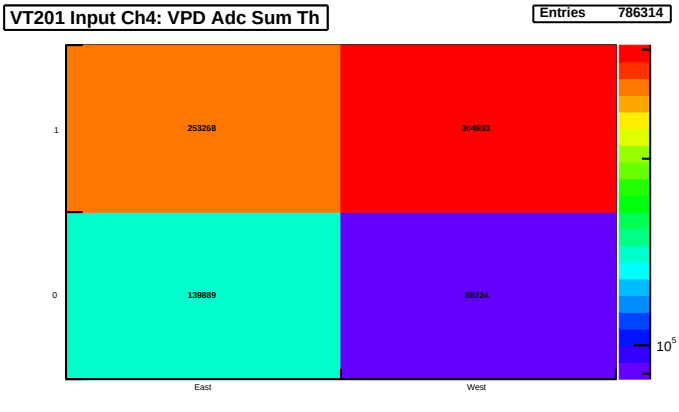

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

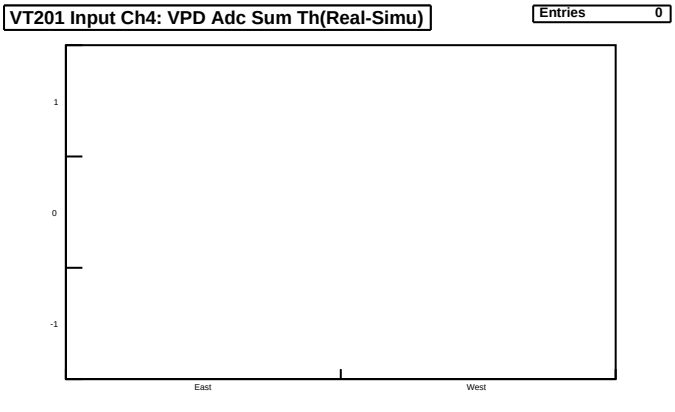

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3145256
10387
2598
15
12
10199
4049
54
49
382770
390559
393142
393145
382958
389108
393103
393108
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

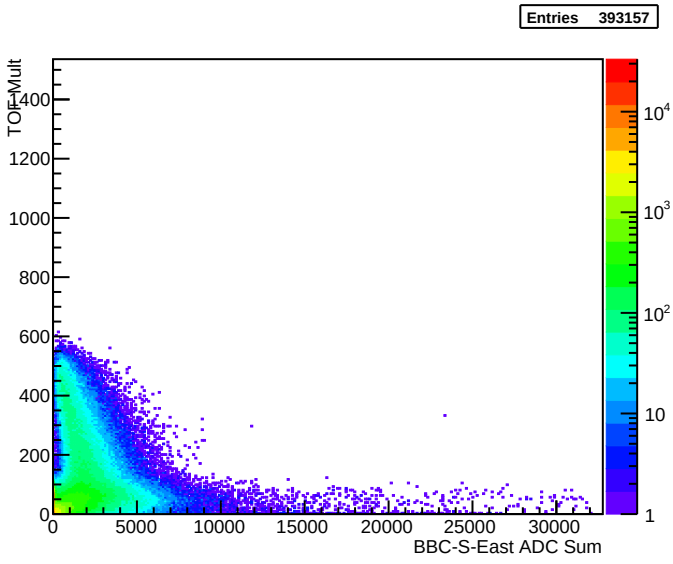

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

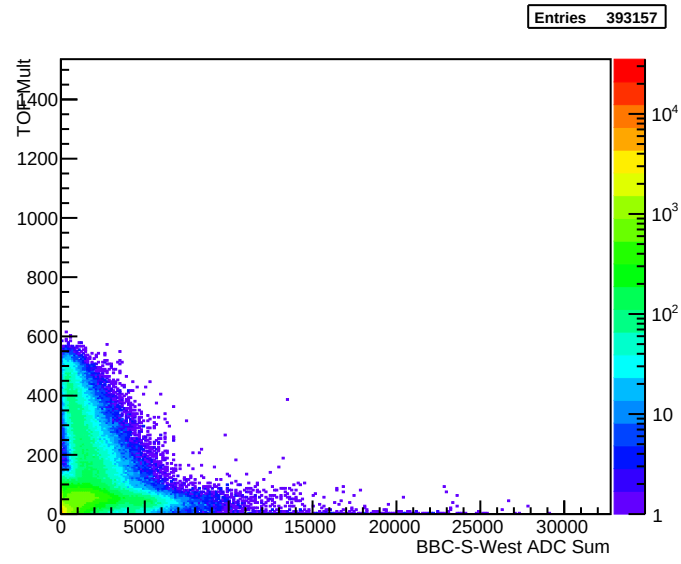

VT201 Input Ch4: VPD Tac Diff
Entries 393157
Tac

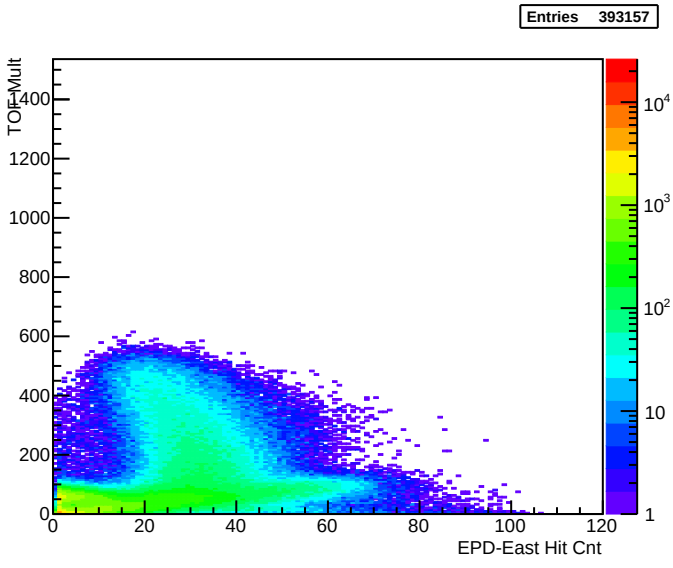

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

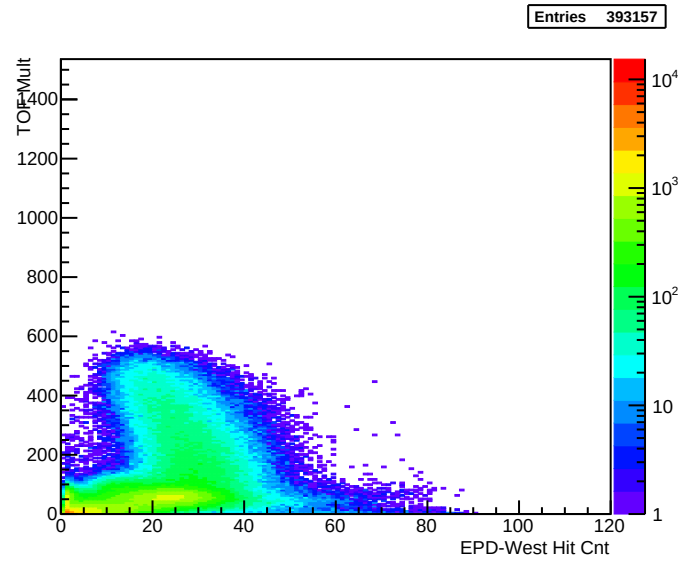

VT201 Input Ch4: VPD Adc Sum Th
Entries 786314
253268
304933
139889
88224
East
West

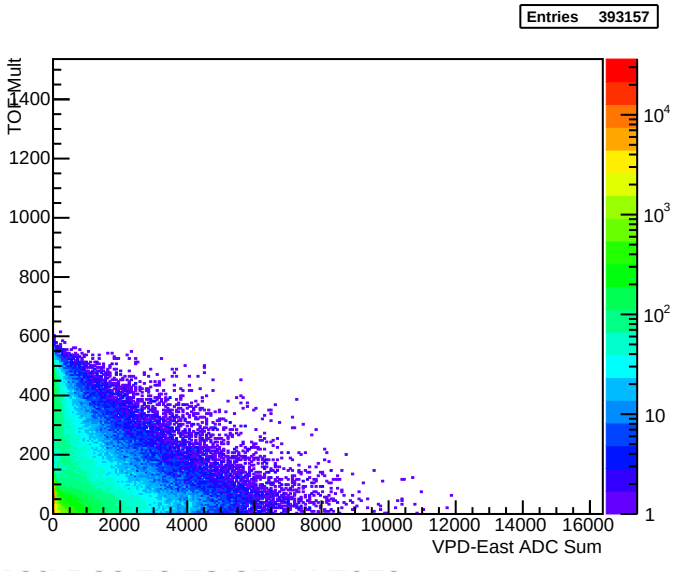

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

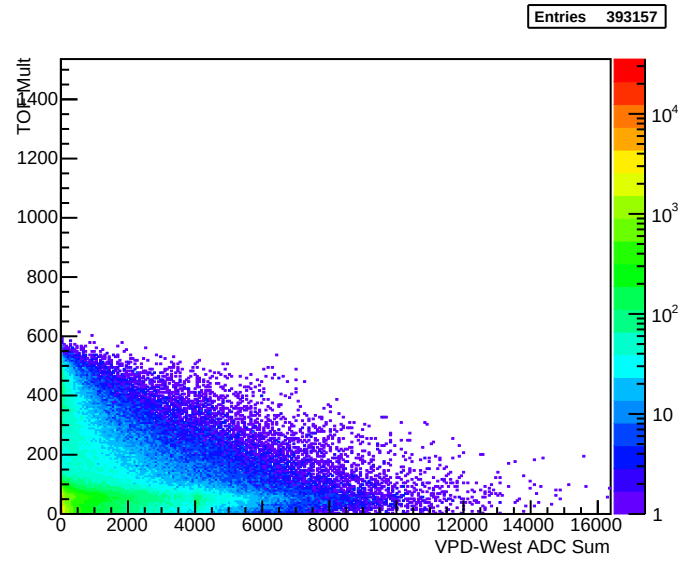

Entries 393157
TOF-Mult
BBC-S-East ADC Sum

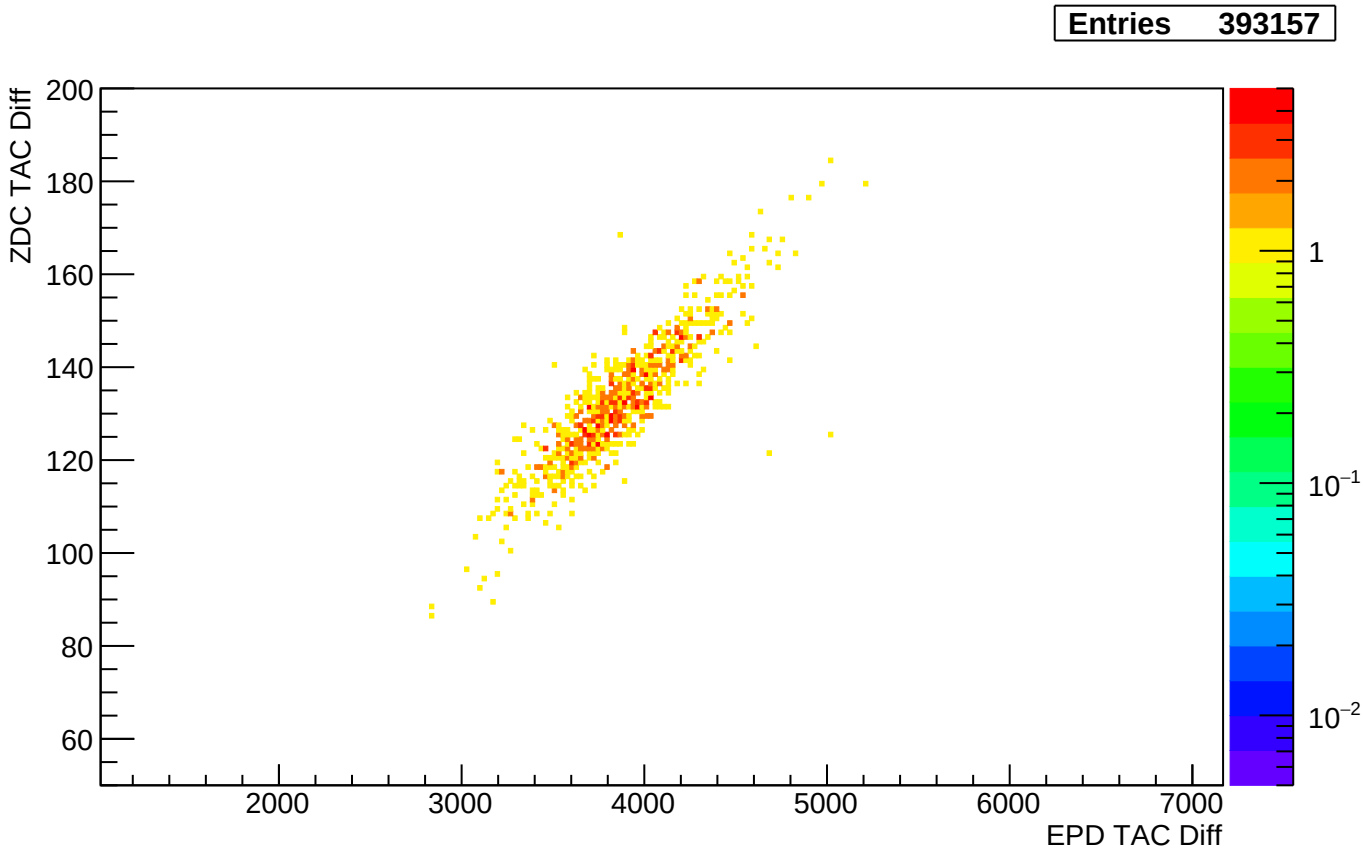

Entries 393157
TOF-Mult
BBC-S-West ADC Sum

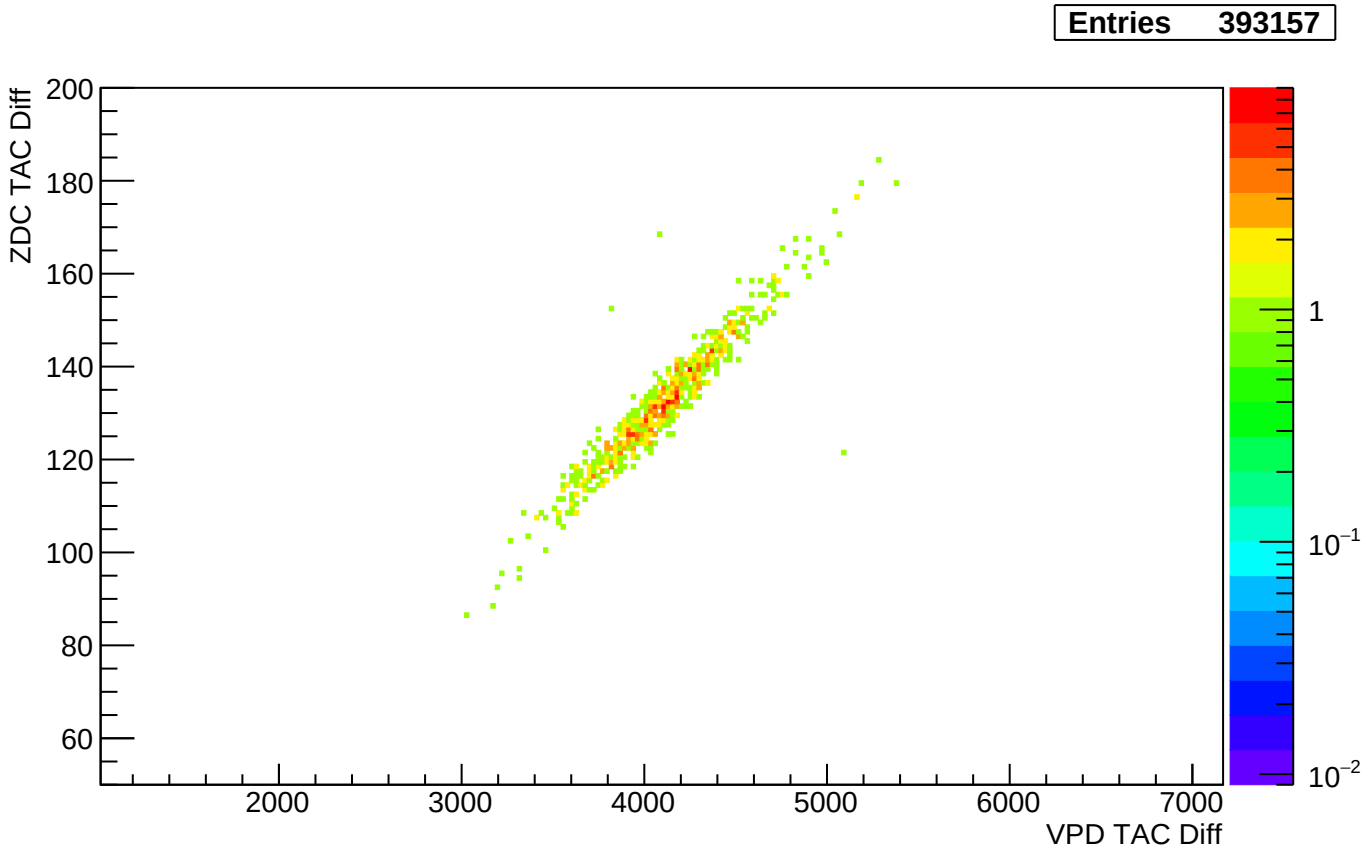

Entries 393157
TOF-Mult
EPD-East Hit Cnt

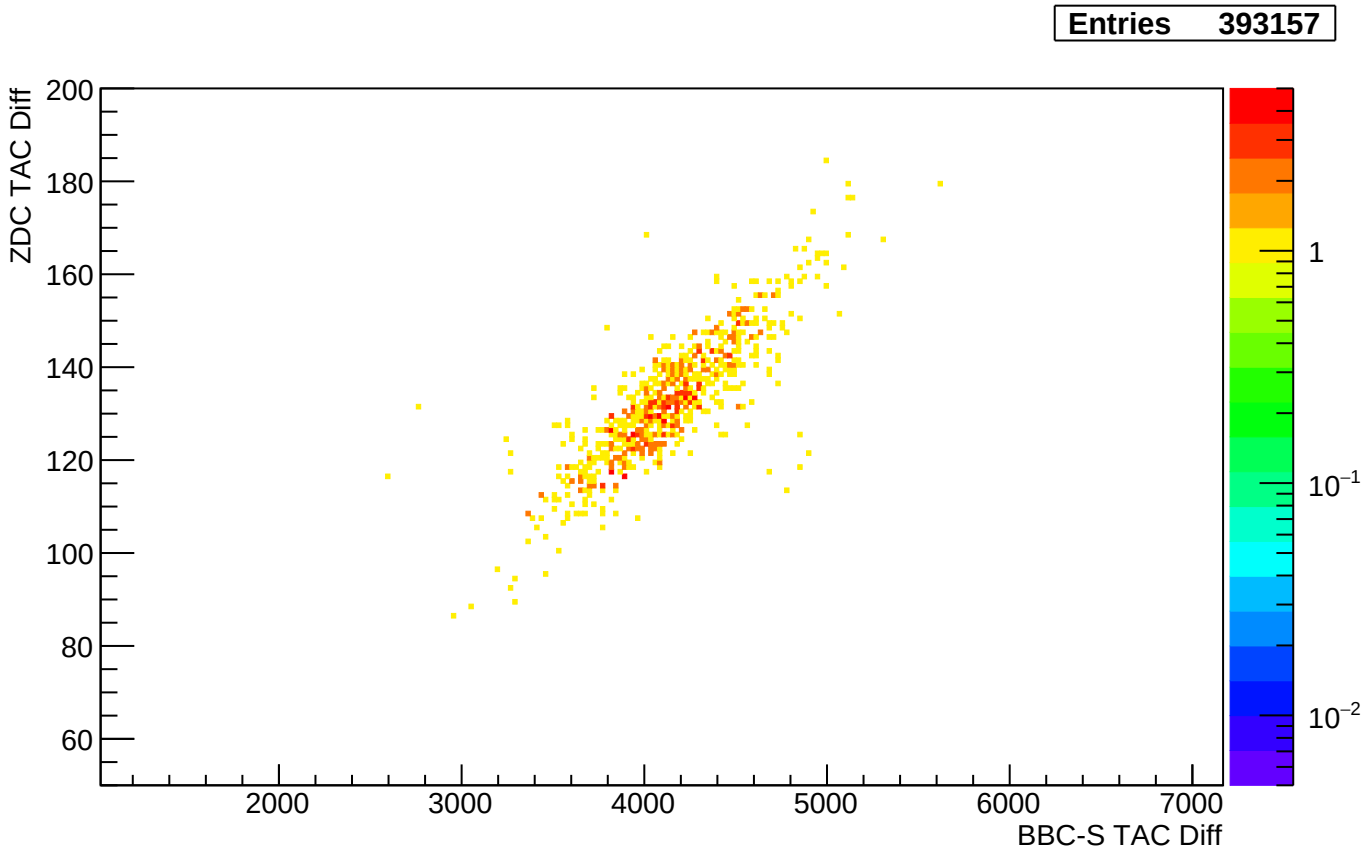

Entries 393157
TOF-Mult
EPD-West Hit Cnt

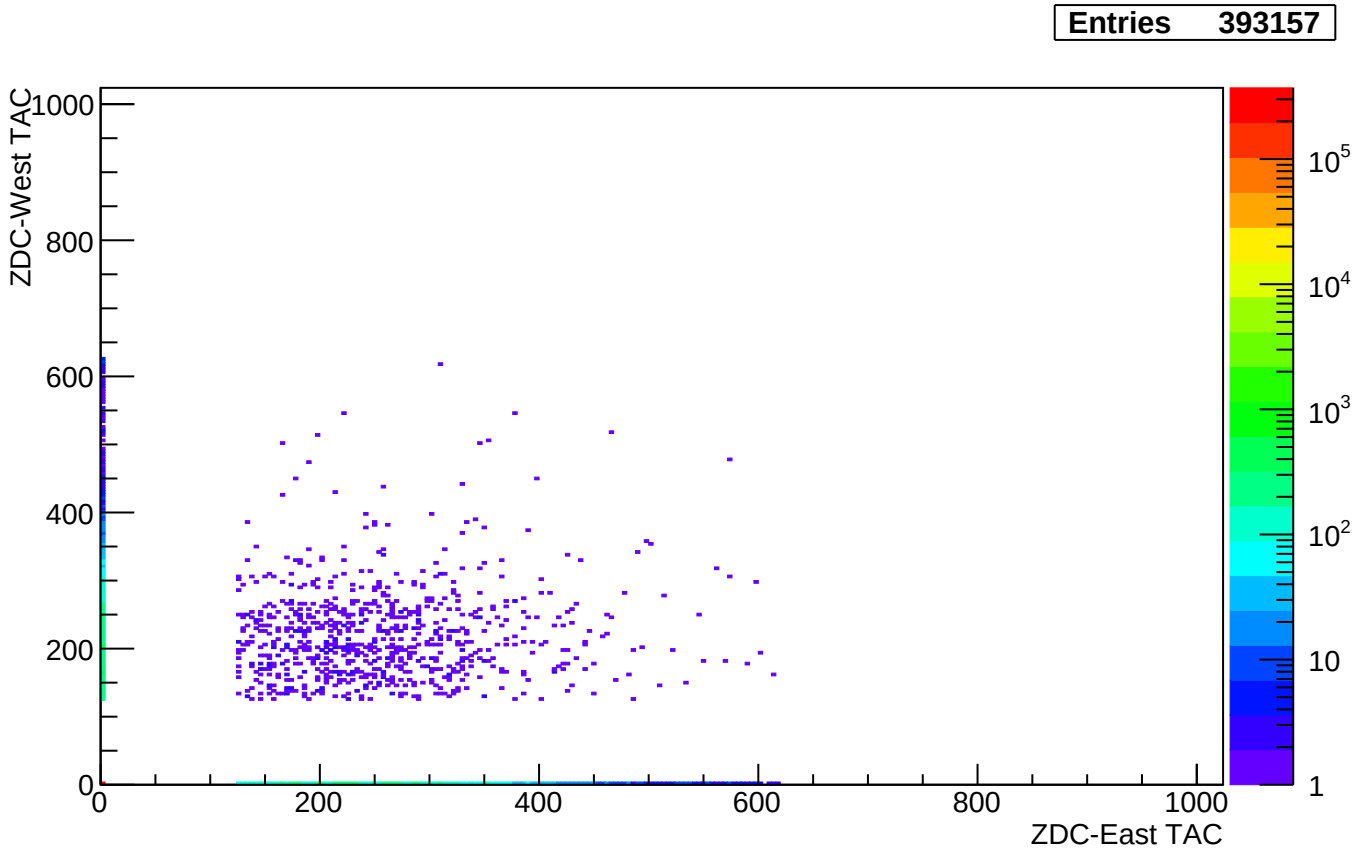

Entries 393157
TOF-Mult
VPD-East ADC Sum

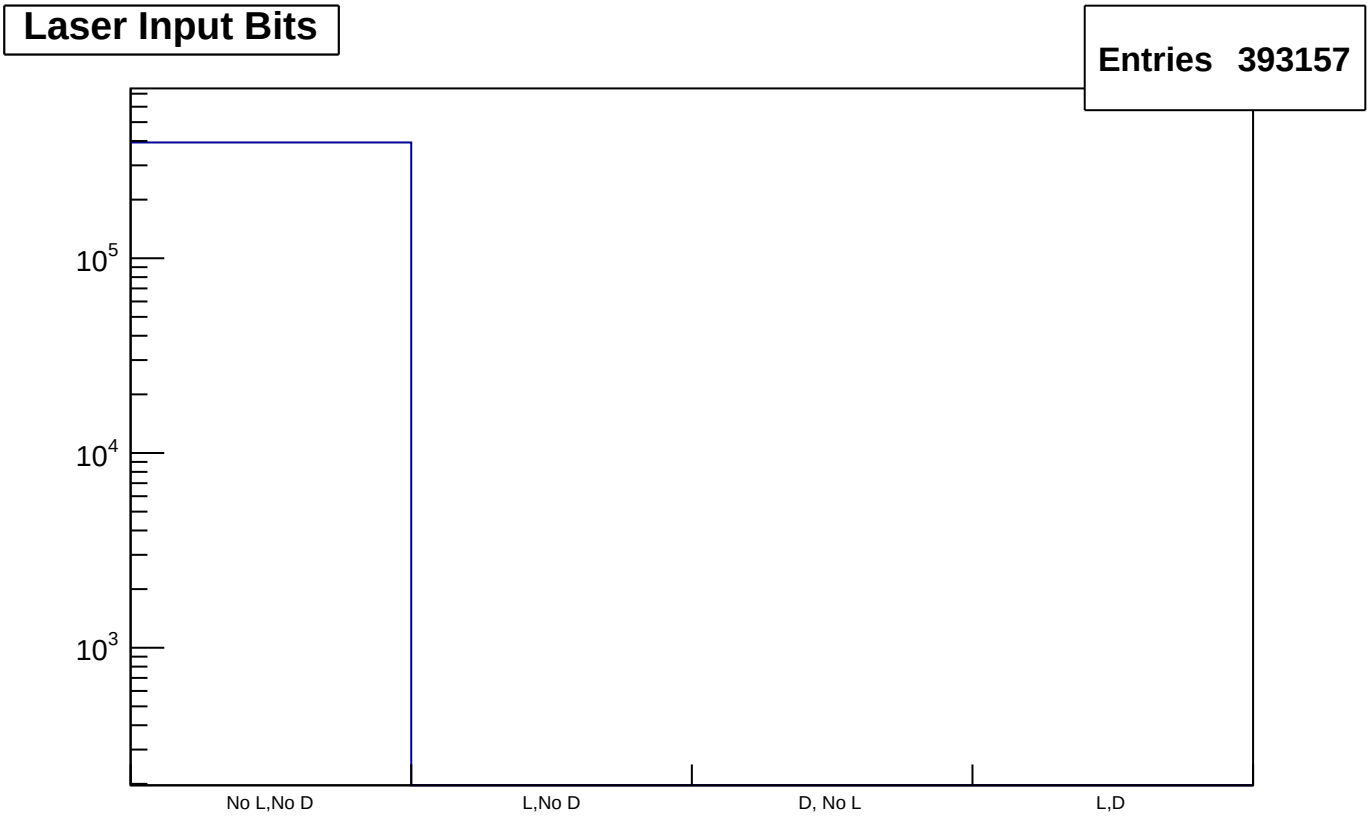

Entries 393157
TOF-Mult
VPD-West ADC Sum

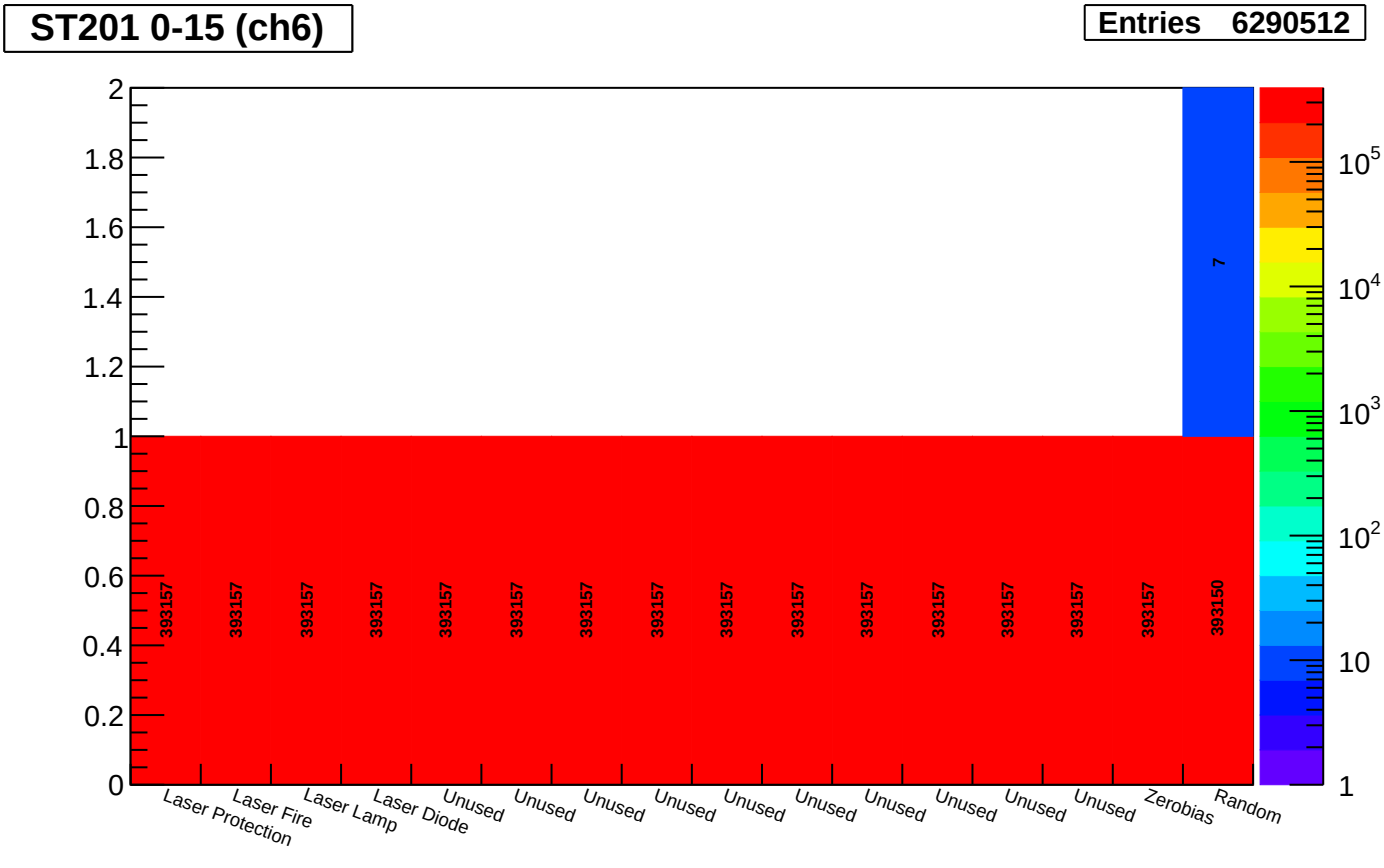

Entries 393157
ZDC TAC Diff
EPD TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

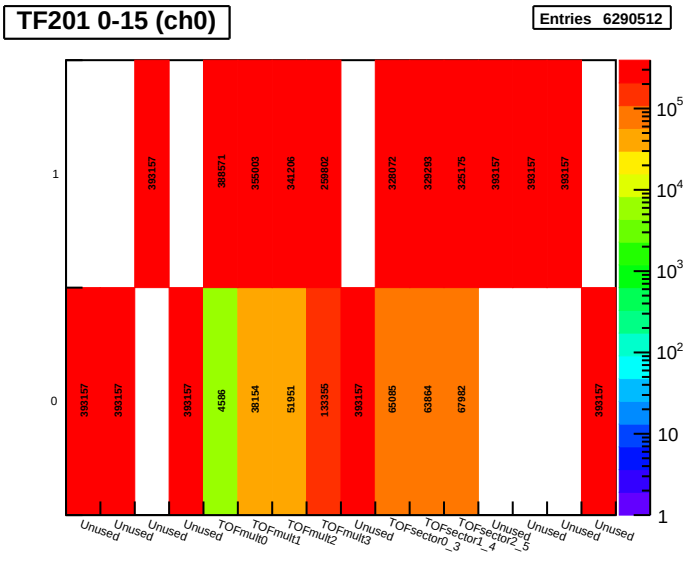

Entries 393157
ZDC TAC Diff
VPD TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

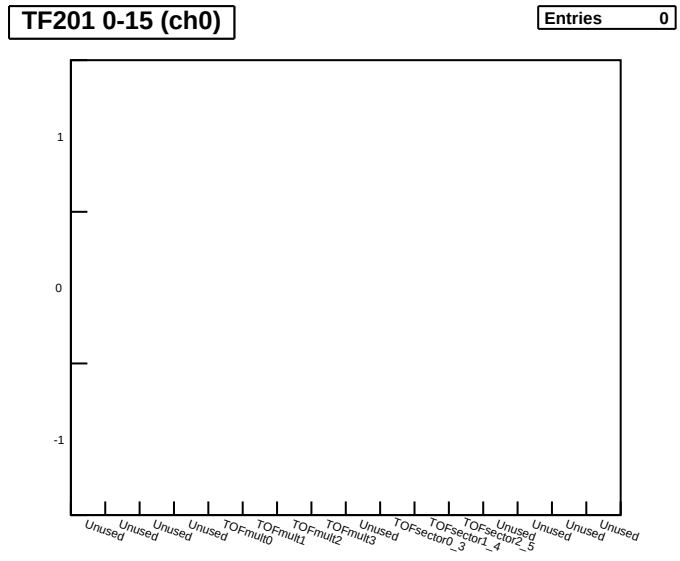

Entries 393157
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

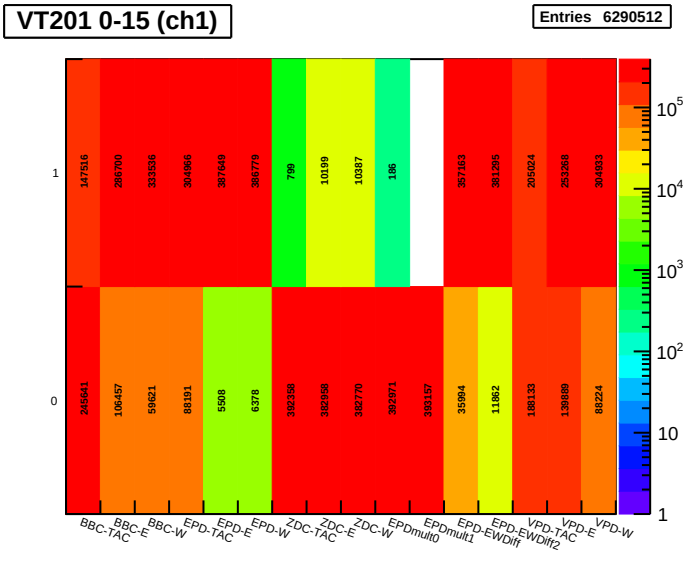

Entries 393157
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

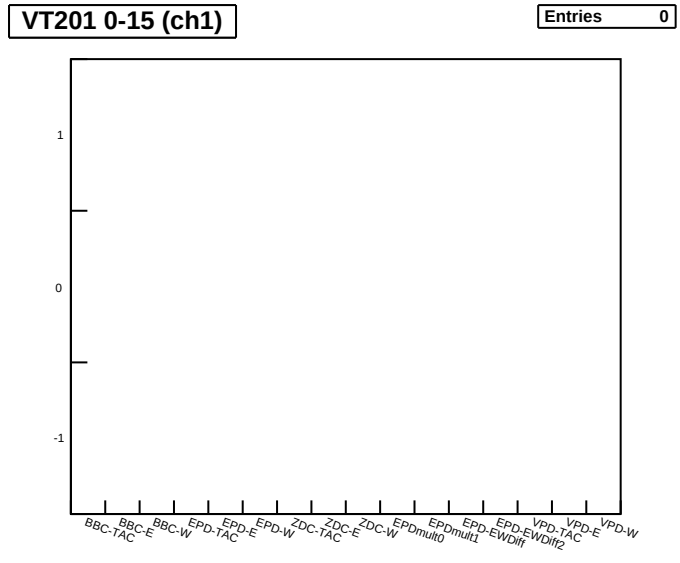

Laser Input Bits
Entries 393157
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

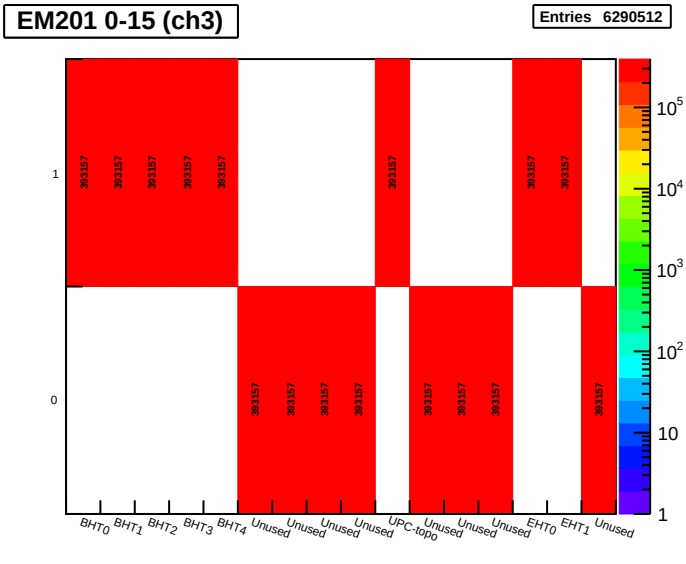

ST201 0-15 (ch6)
Entries 6290512
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7
393157
393150
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

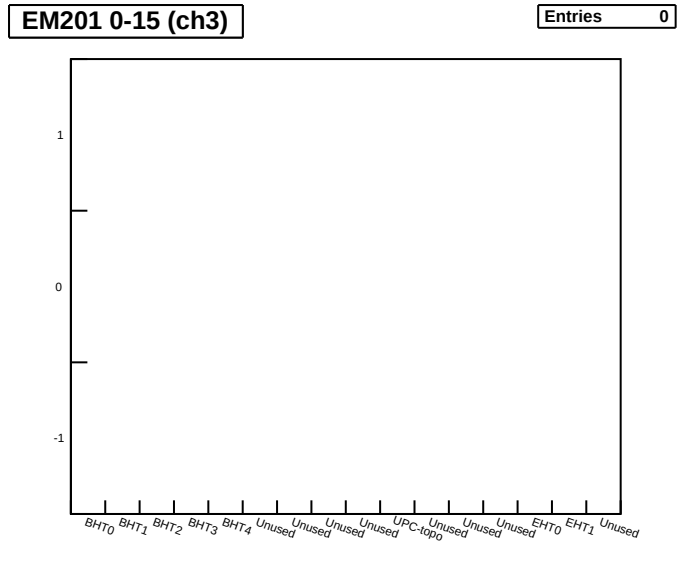

TF201 0-15 (ch0)
Entries 6290512
1
0
393157
393157
393157
393157
393571
395003
341206
259802
328072
329293
325175
393157
393157
393157
393157
4586
38154
51951
133355
393157
65085
63864
67982
393157
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
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 6290512
1
0
147516
286700
333536
304966
367649
386779
799
10199
10387
186
357163
381295
205024
252268
304933
245641
106457
59621
88191
5508
6378
392358
382958
392770
392971
393157
35994
11862
188133
138889
88224
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 6290512
1
0
393157
393157
393157
393157
393157
393157
393157
393157
393157
393157
393157
393157
393157
393157
393157
393157
393157
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