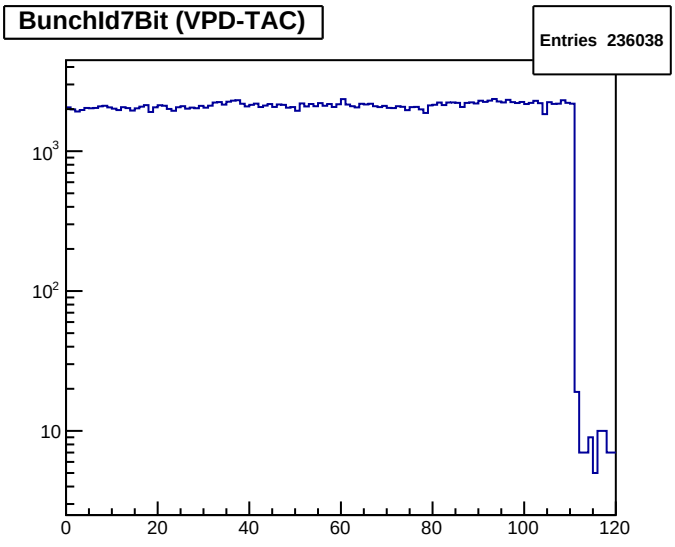
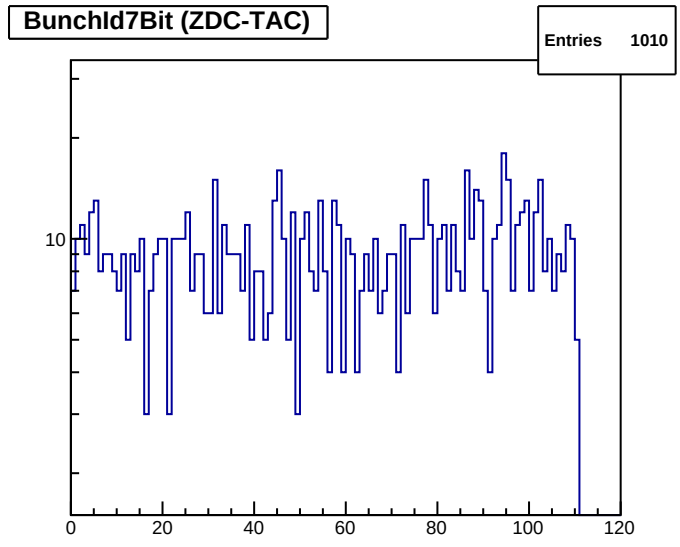
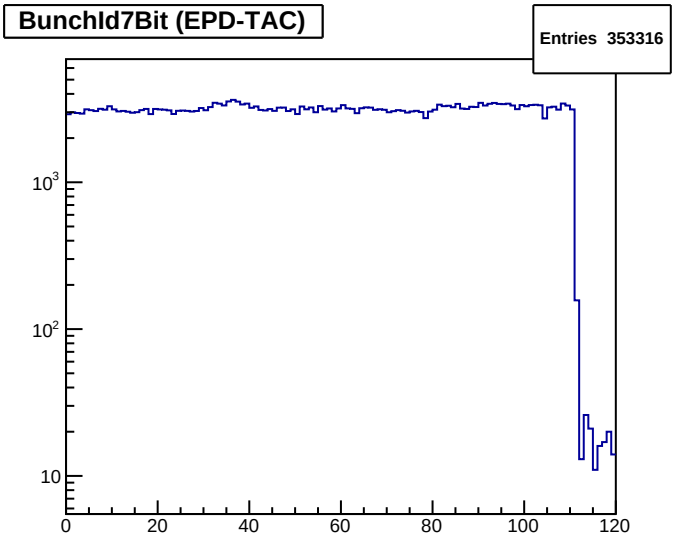
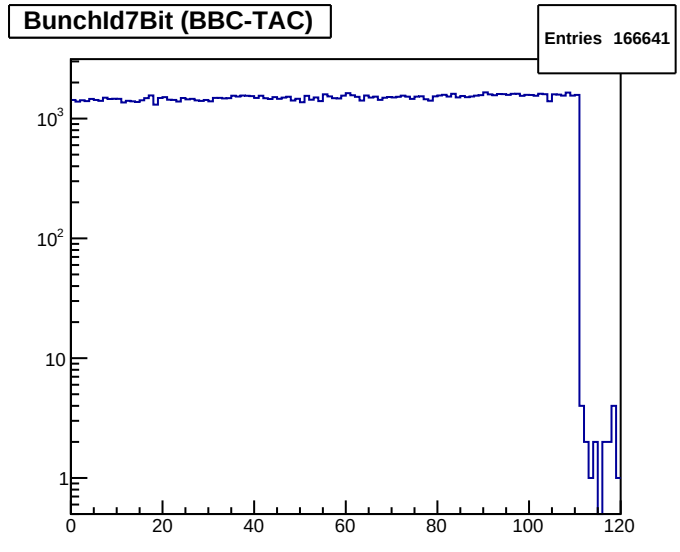
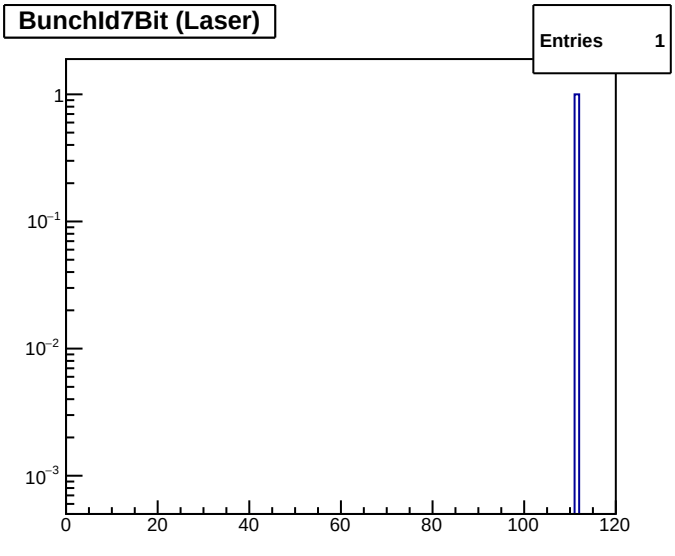
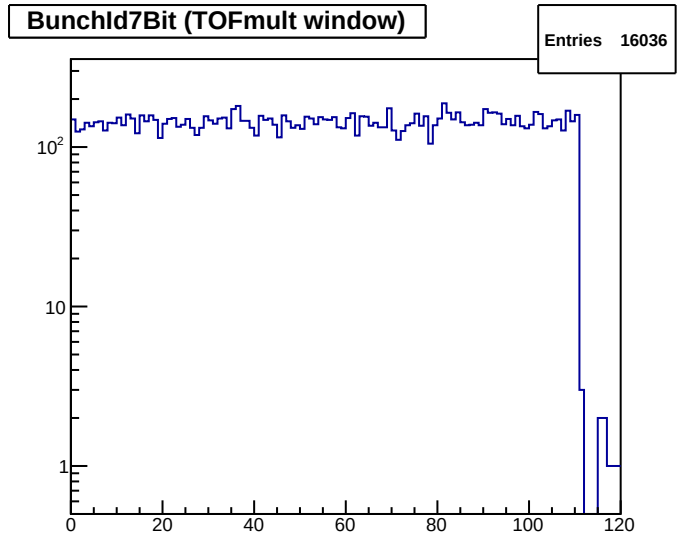

BunchId7Bit (VPD-TAC)
Entries 236038
10^3
10^2
10
0 20 40 60 80 100 120

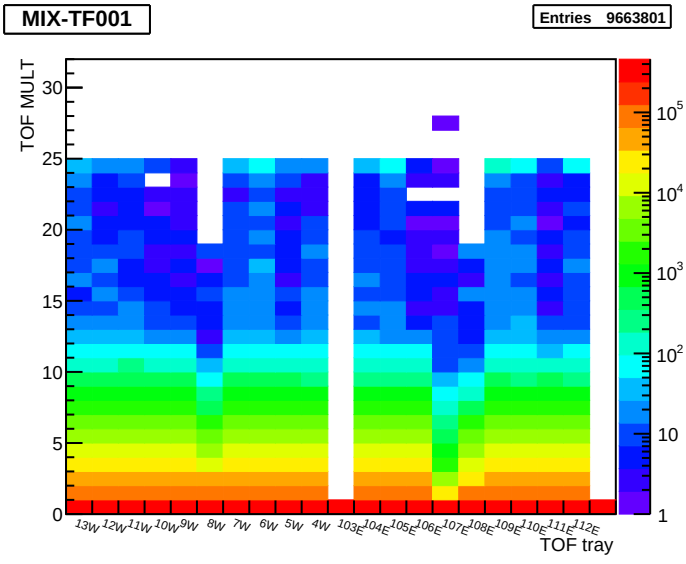

BunchId7Bit (ZDC-TAC)
Entries 1010
10
0 20 40 60 80 100 120

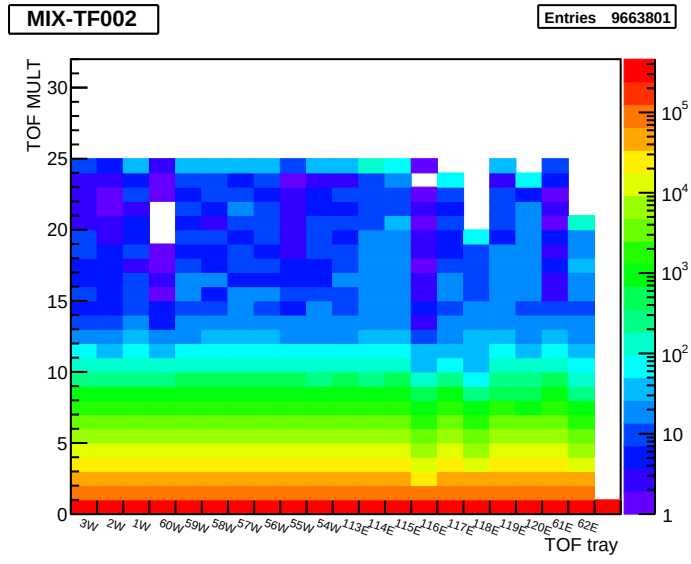

BunchId7Bit (EPD-TAC)
Entries 353316
10^3
10^2
10
0 20 40 60 80 100 120

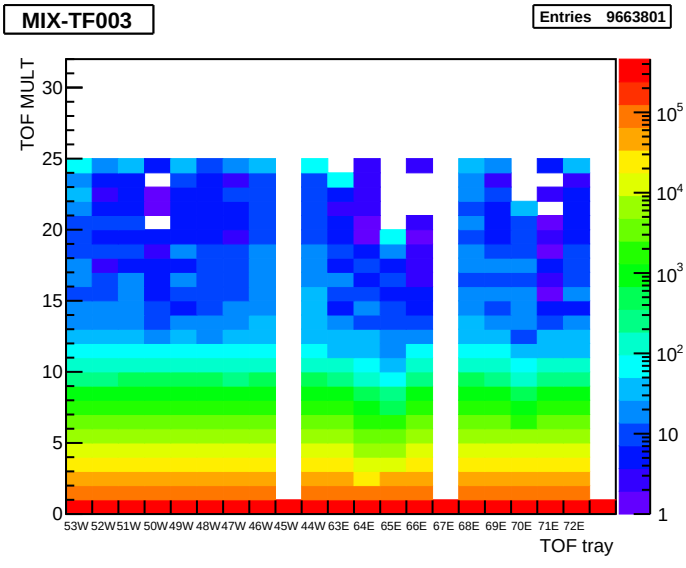

BunchId7Bit (BBC-TAC)
Entries 166641
10^3
10^2
10
1
0 20 40 60 80 100 120

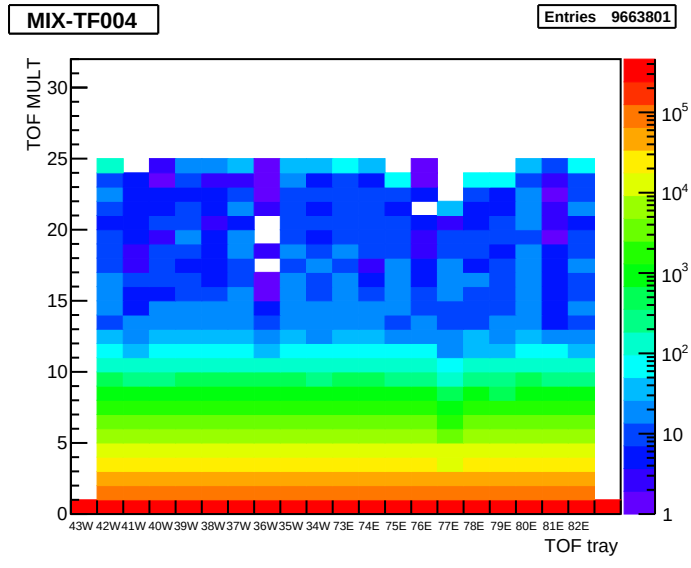

BunchId7Bit (Laser)
Entries 1
1
10^{-1}
10^{-2}
10^{-3}
0 20 40 60 80 100 120

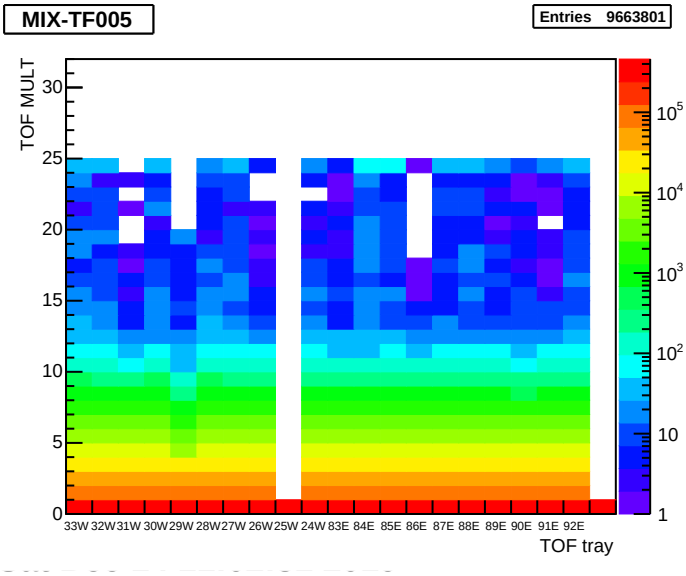

BunchId7Bit (TOFmult window)
Entries 16036
10^2
10
1
0 20 40 60 80 100 120

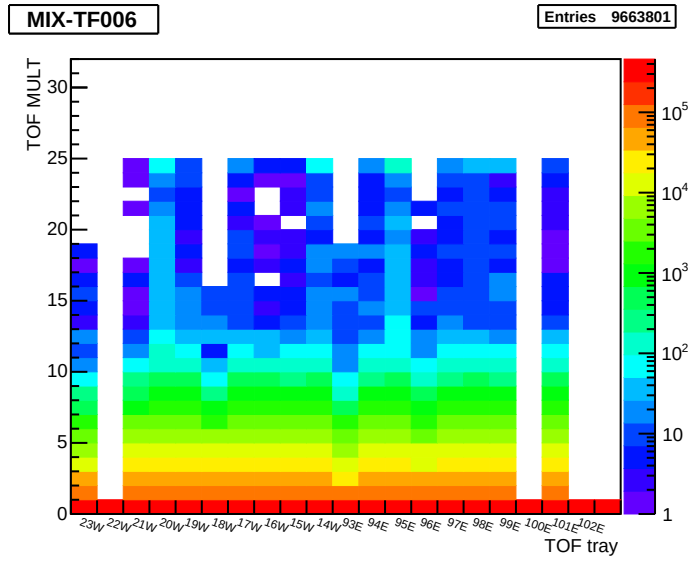

MIX-TF001
Entries 9663801
TOF MULT
TOF tray

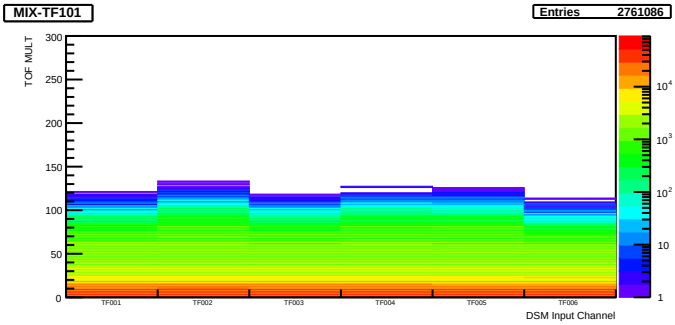

MIX-TF002
Entries 9663801
TOF MULT
TOF tray

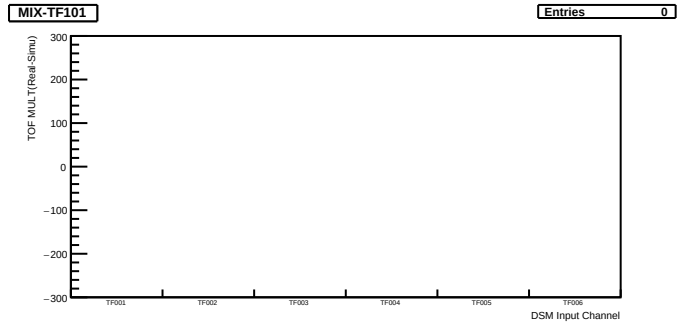

MIX-TF003
Entries 9663801
TOF MULT
TOF tray

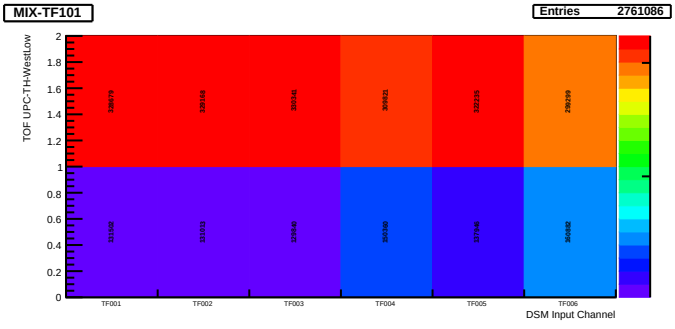

MIX-TF004
Entries 9663801
TOF MULT
TOF tray

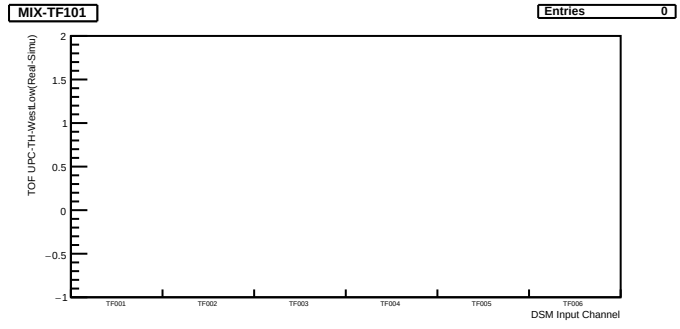

MIX-TF005
Entries 9663801
TOF MULT
TOF tray

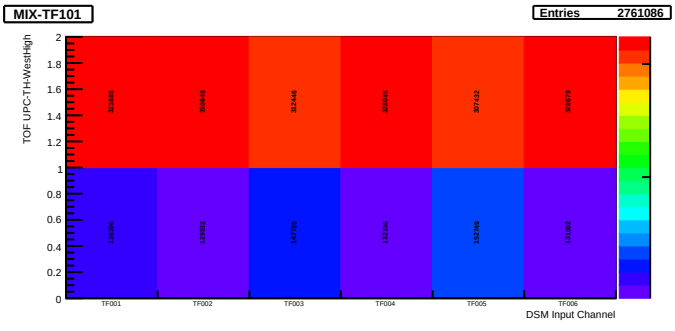

MIX-TF006
Entries 9663801
TOF MULT
TOF tray

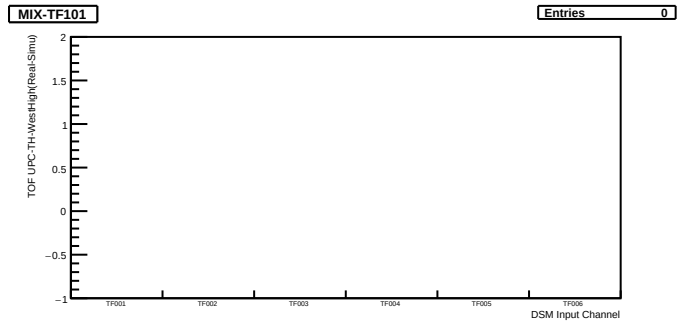

MIX-TF101
Entries 2761086
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

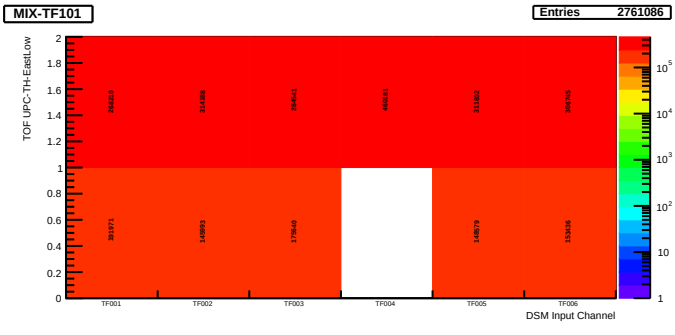

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

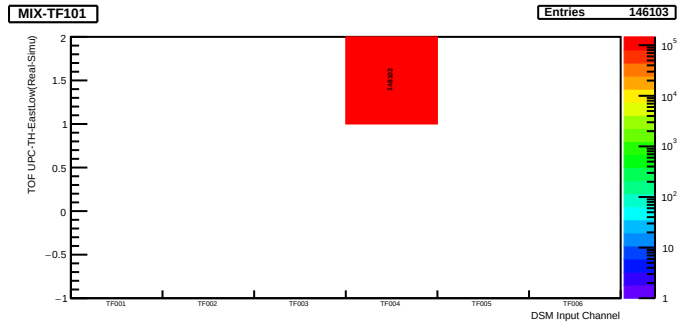

MIX-TF101
Entries 2761086
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

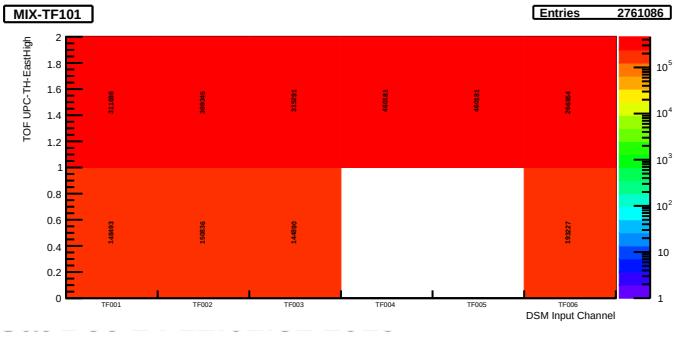

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

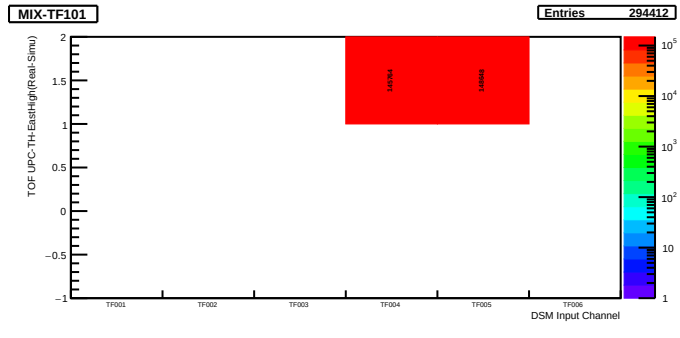

MIX-TF101
Entries 2761086
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

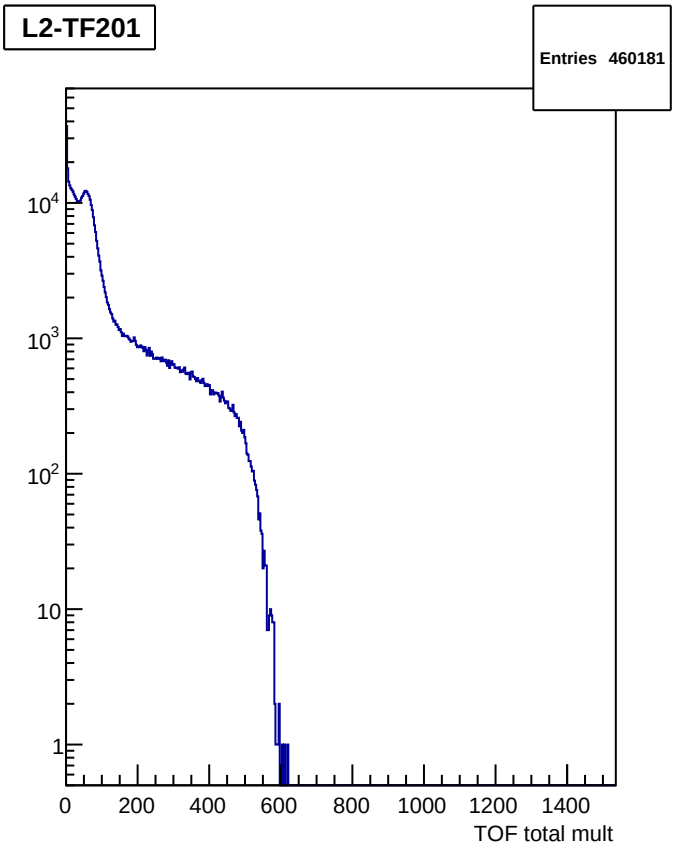

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

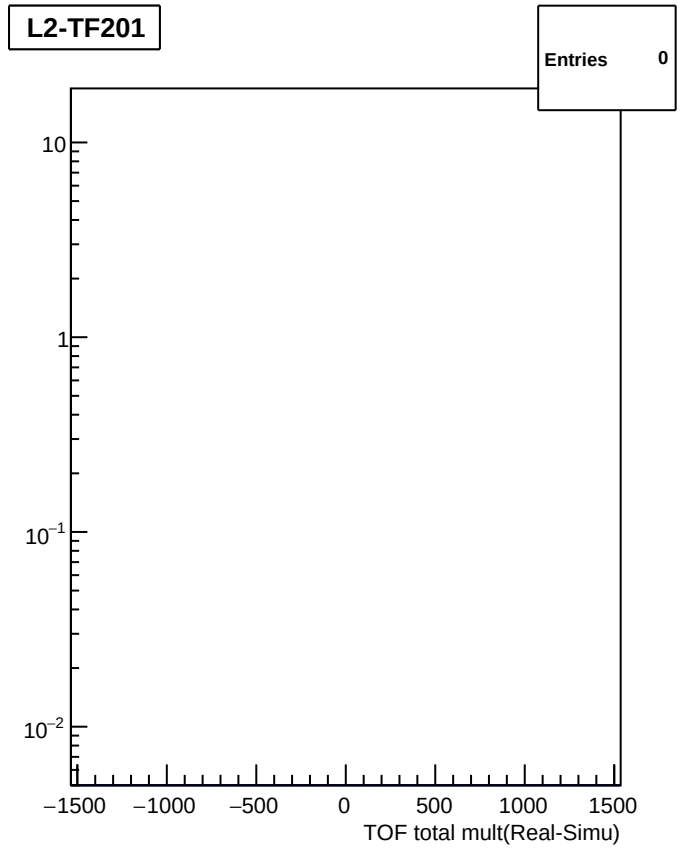

MIX-TF101
Entries 2761086
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

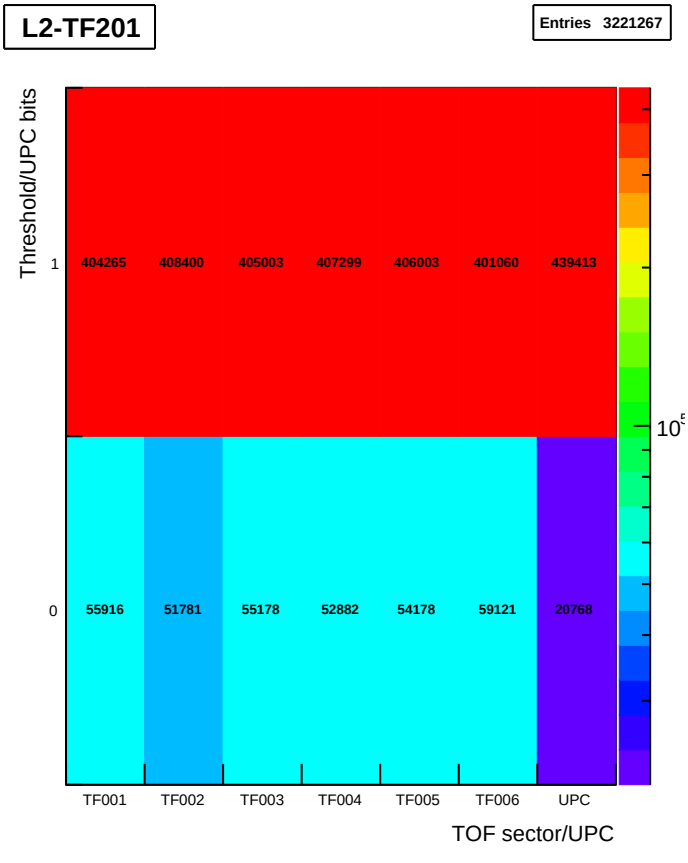

MIX-TF101
Entries 146103
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

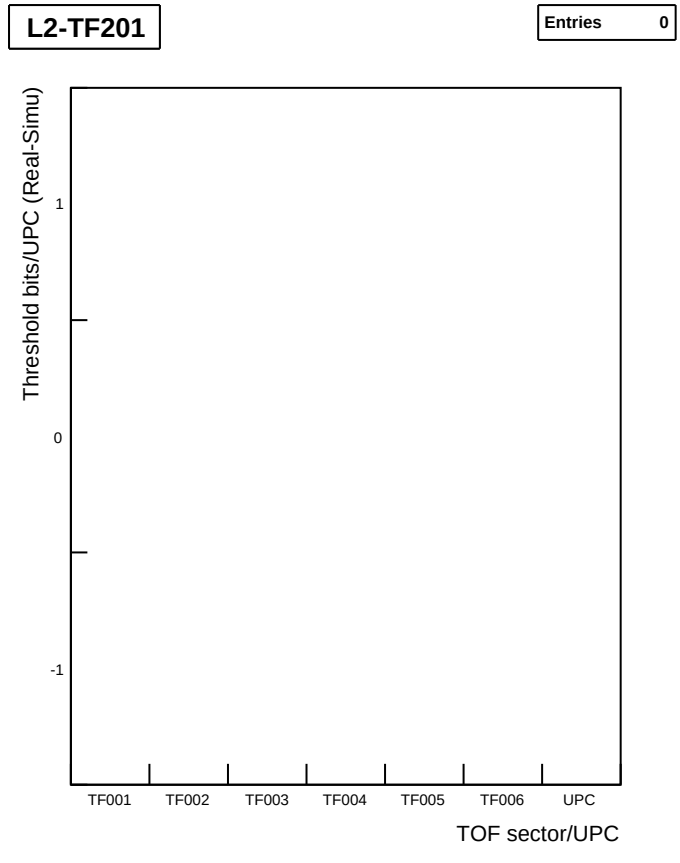

MIX-TF101
Entries 2761086
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

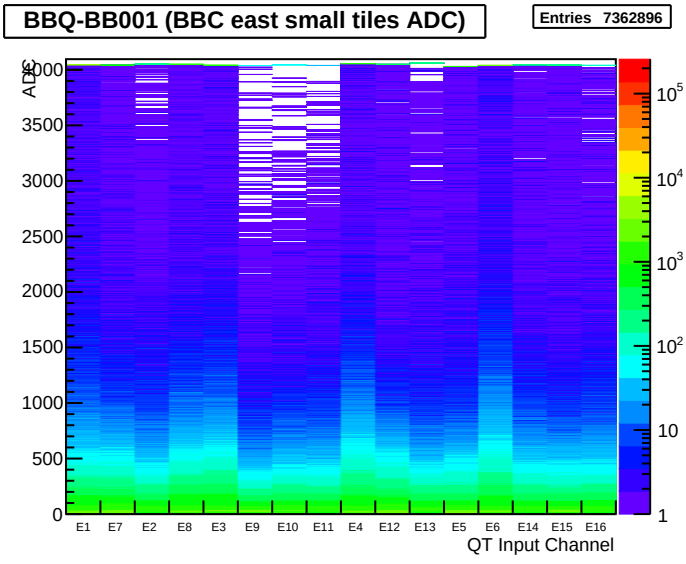

MIX-TF101
Entries 294412
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

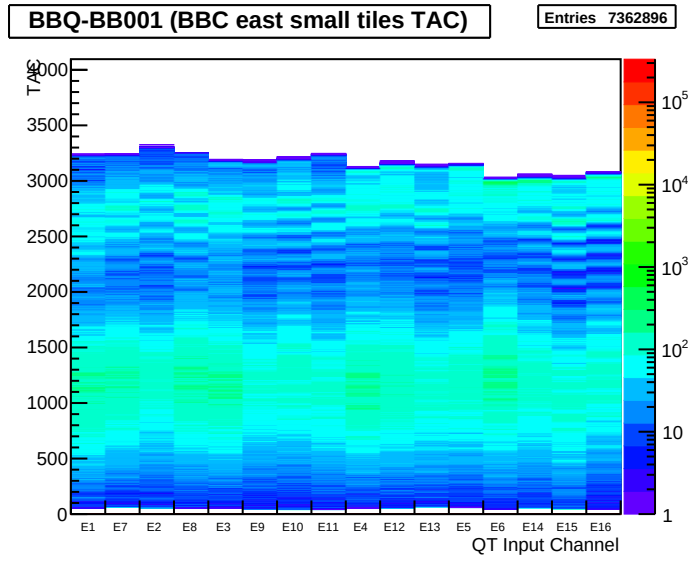

L2-TF201
Entries 460181
TOF total mult

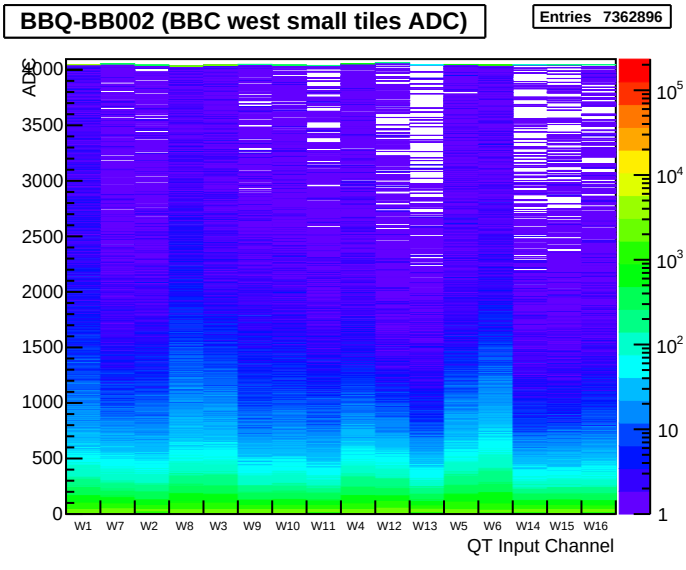

L2-TF201
Entries 0
TOF total mult(Real-Simu)

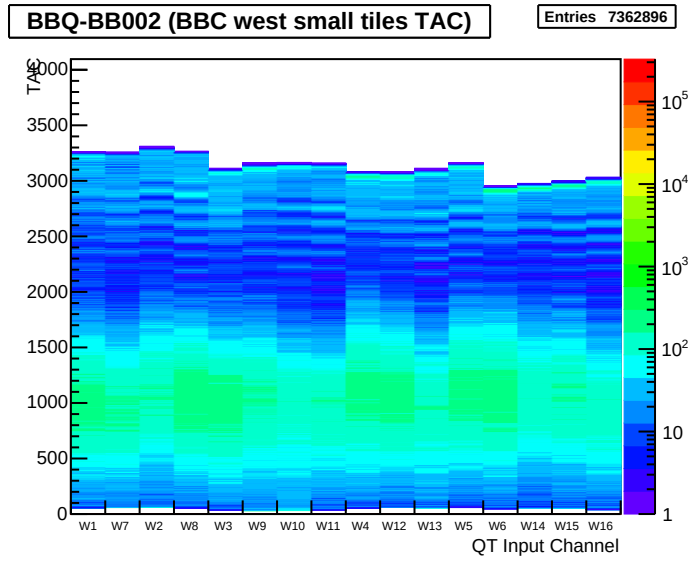

L2-TF201
Entries 3221267
Threshold/UPC bits
404265
408400
405003
407299
406003
401060
439413
55916
51781
55178
52882
54178
59121
20768
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

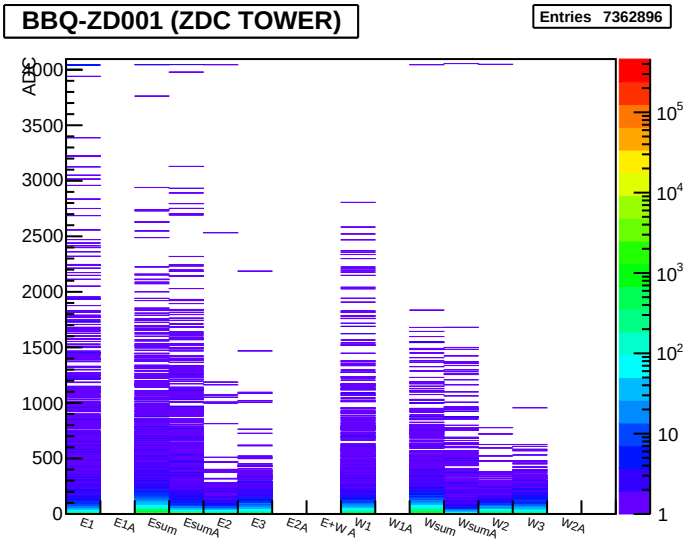

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

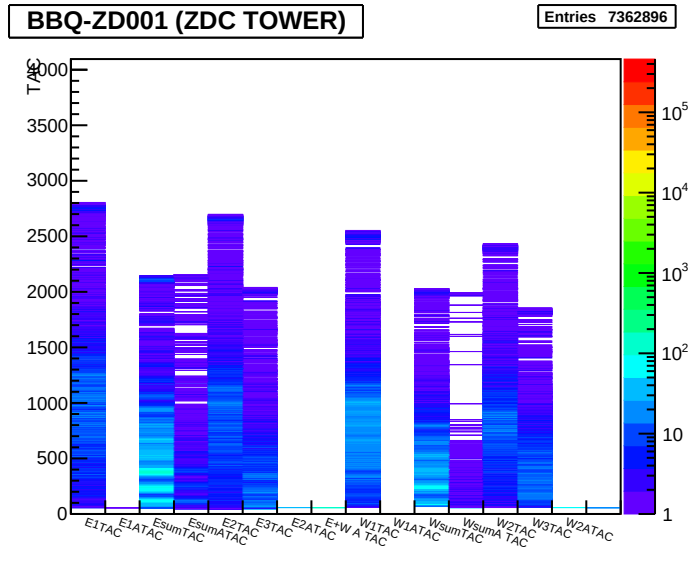

BBQ-BB001 (BBC east small tiles ADC)
Entries 7362896
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

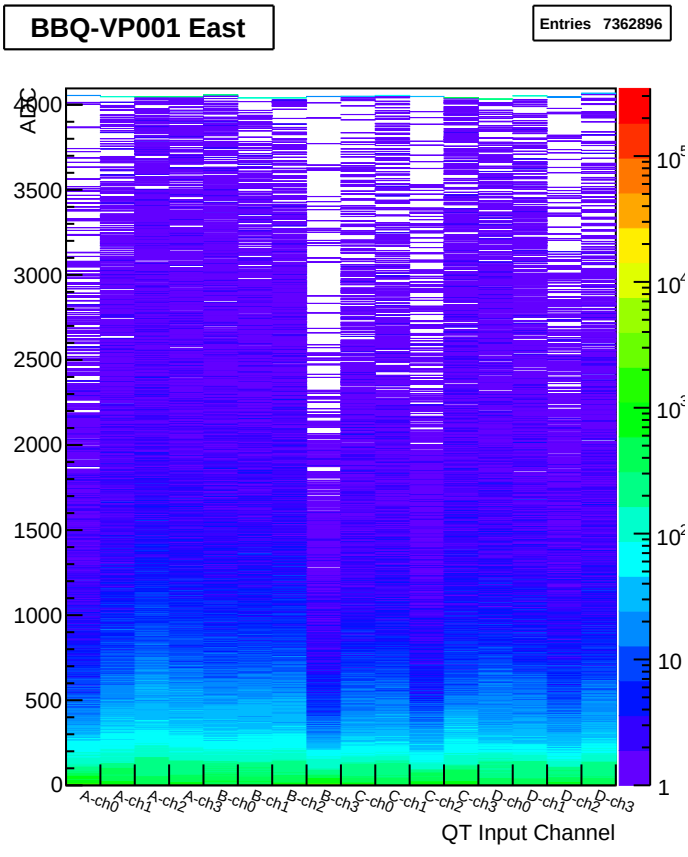

BBQ-BB001 (BBC east small tiles TAC)
Entries 7362896
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

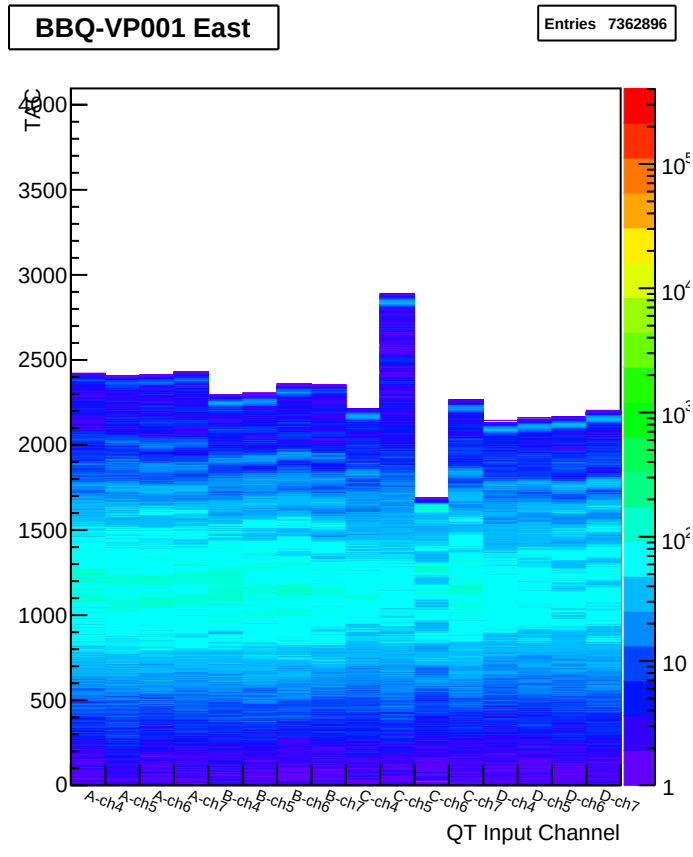

BBQ-BB002 (BBC west small tiles ADC)
Entries 7362896
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

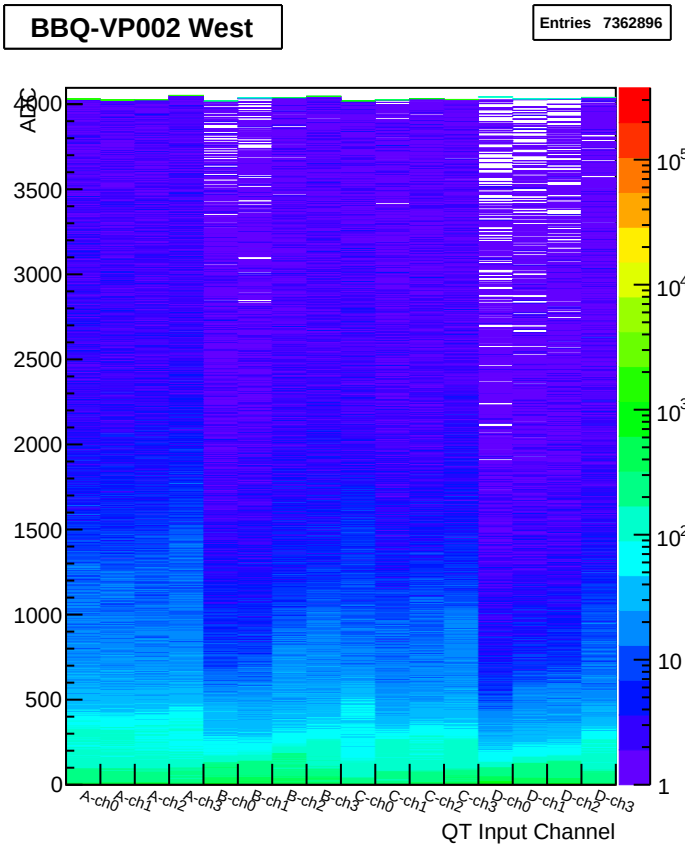

BBQ-BB002 (BBC west small tiles TAC)
Entries 7362896
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

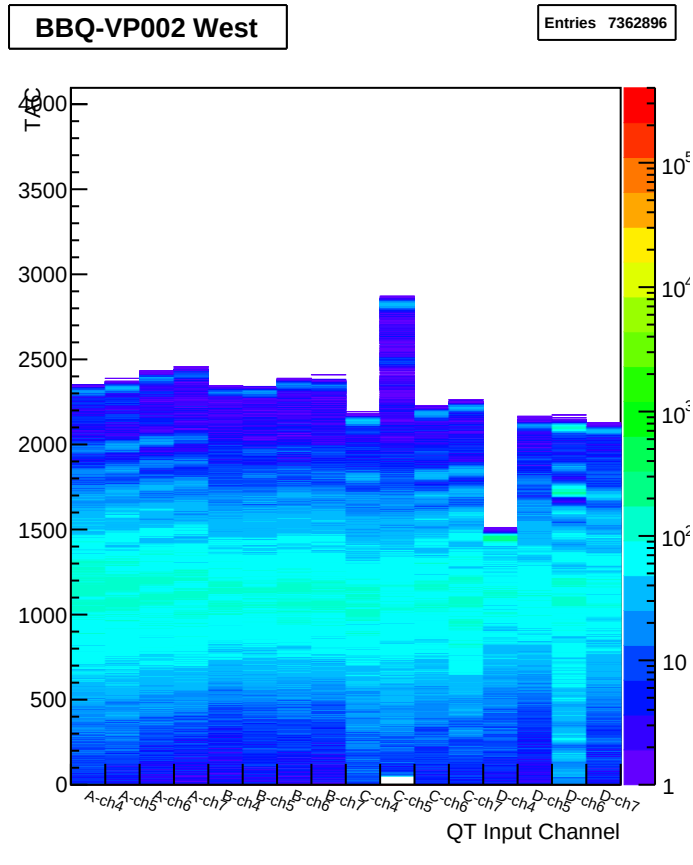

BBQ-ZD001 (ZDC TOWER)
Entries 7362896
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

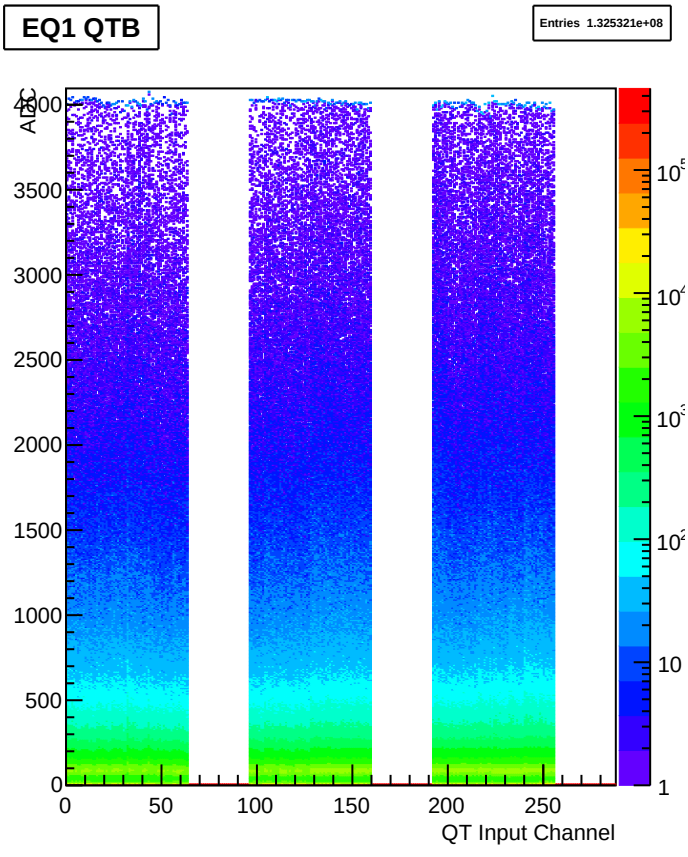

BBQ-ZD001 (ZDC TOWER)
Entries 7362896
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

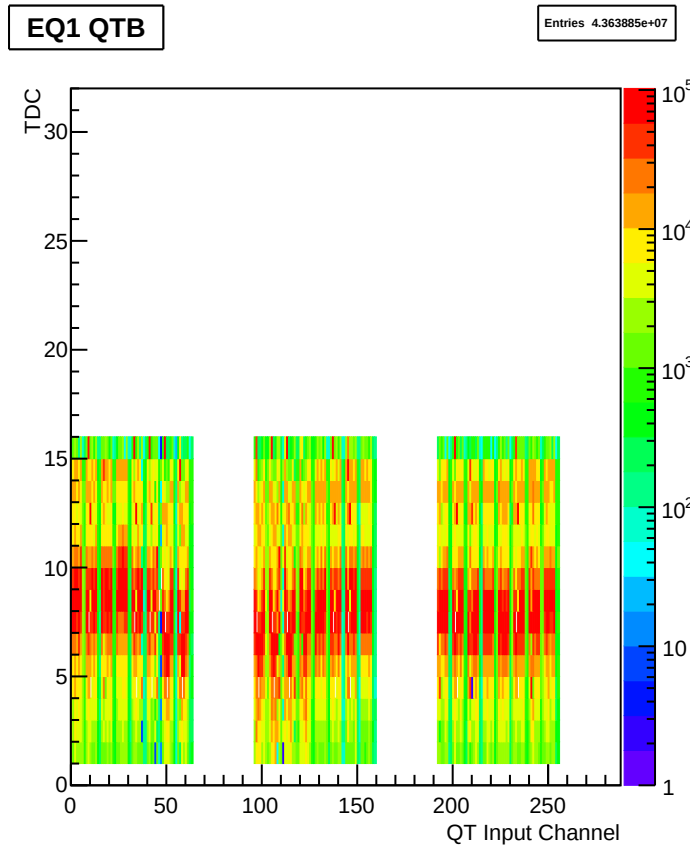

BBQ-VP001 East
Entries 7362896
ADC
QT Input Channel

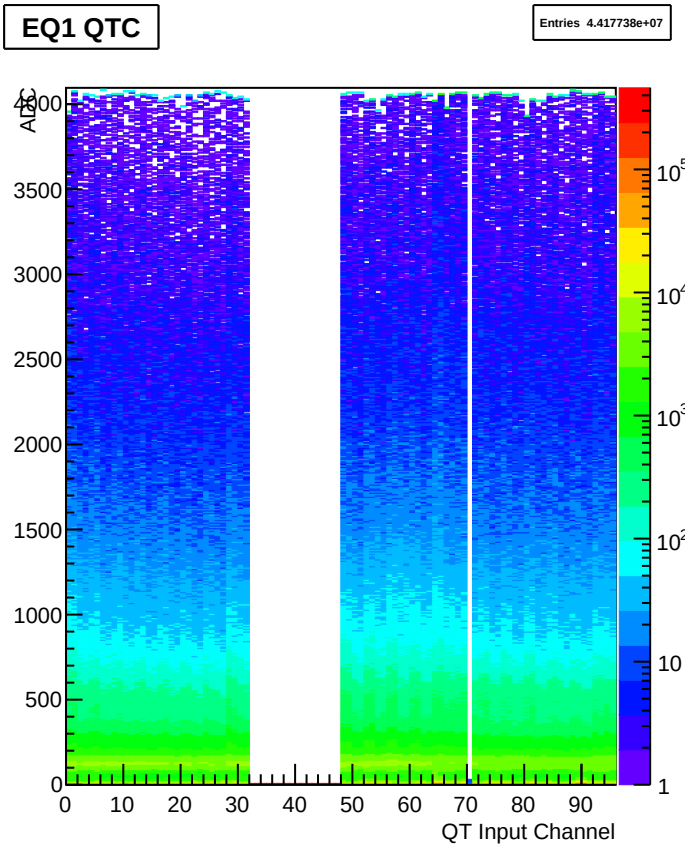

BBQ-VP001 East
Entries 7362896
ADC
QT Input Channel

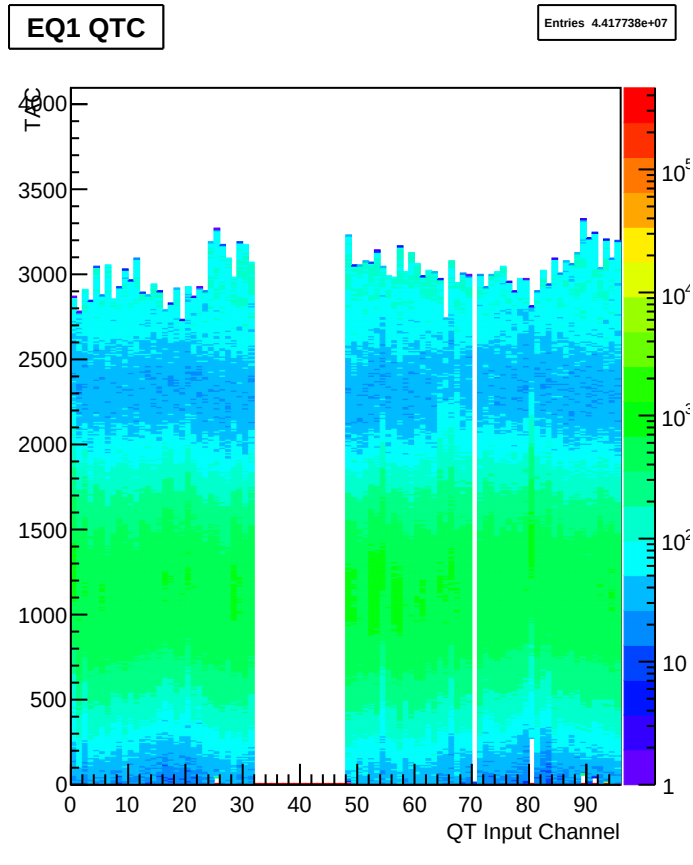

BBQ-VP002 West
Entries 7362896
ADC
QT Input Channel

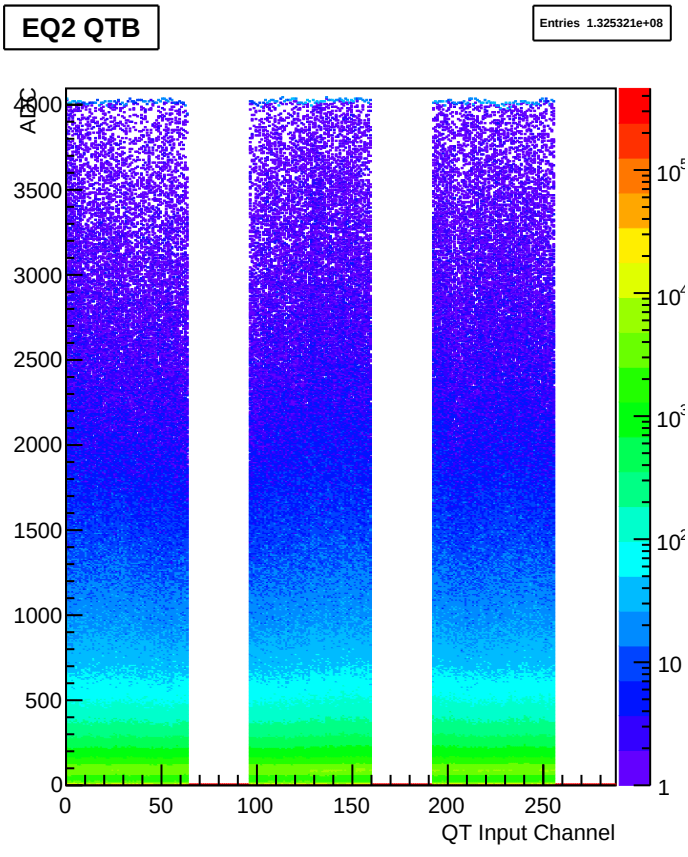

BBQ-VP002 West
Entries 7362896
ADC
QT Input Channel

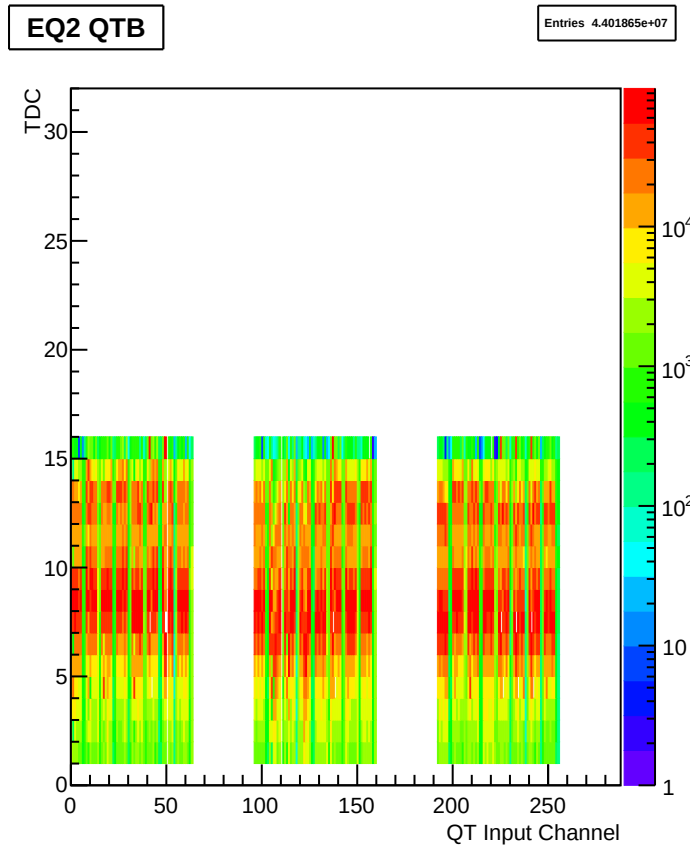

EQ1 QTB
Entries 1.325321e+08
ADC
QT Input Channel

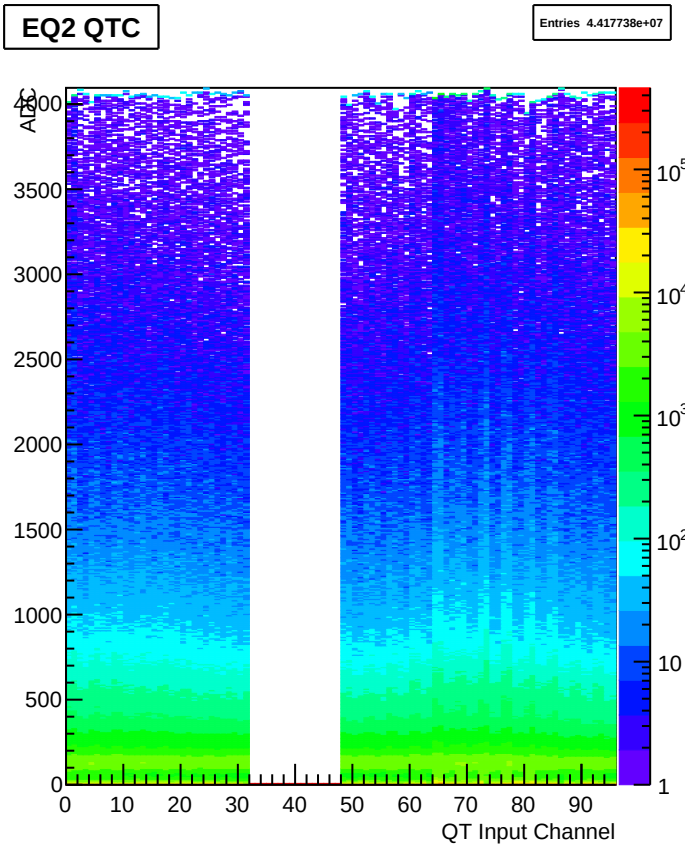

EQ1 QTB
Entries 4.363885e+07
TDC
QT Input Channel

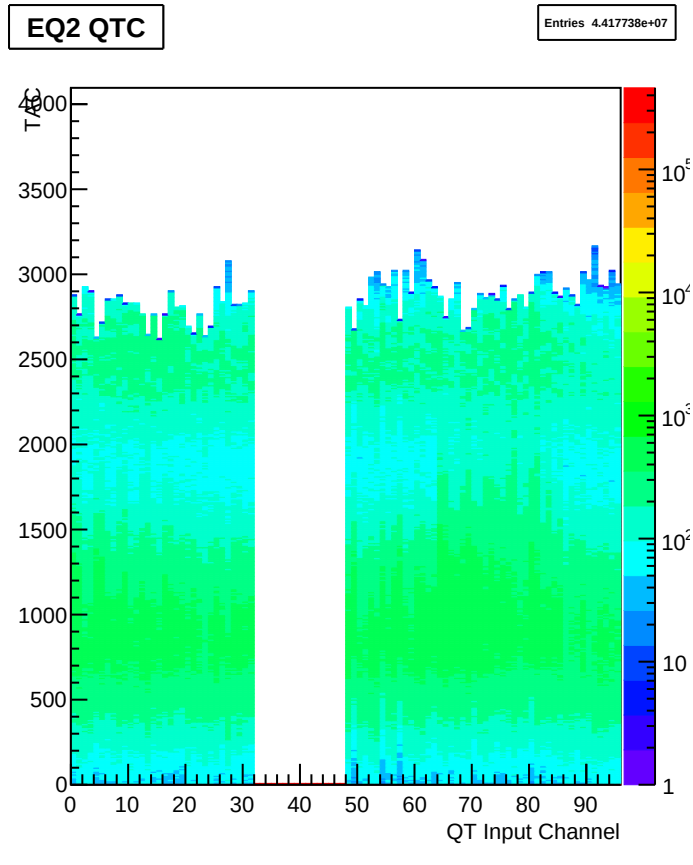

EQ1 QTC
Entries 4.417738e+07
ADC
QT Input Channel

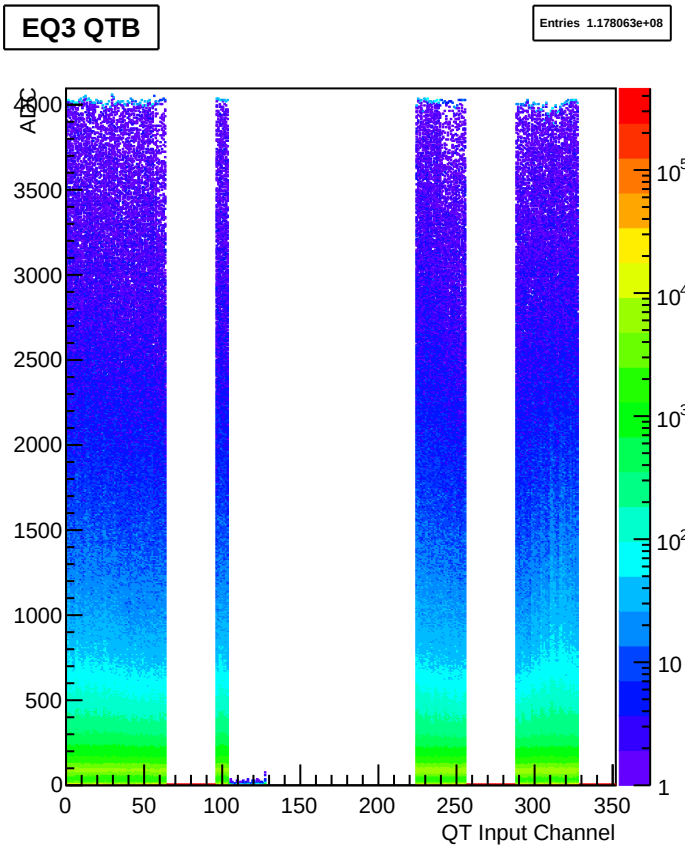

EQ1 QTC
Entries 4.417738e+07
TADC
QT Input Channel

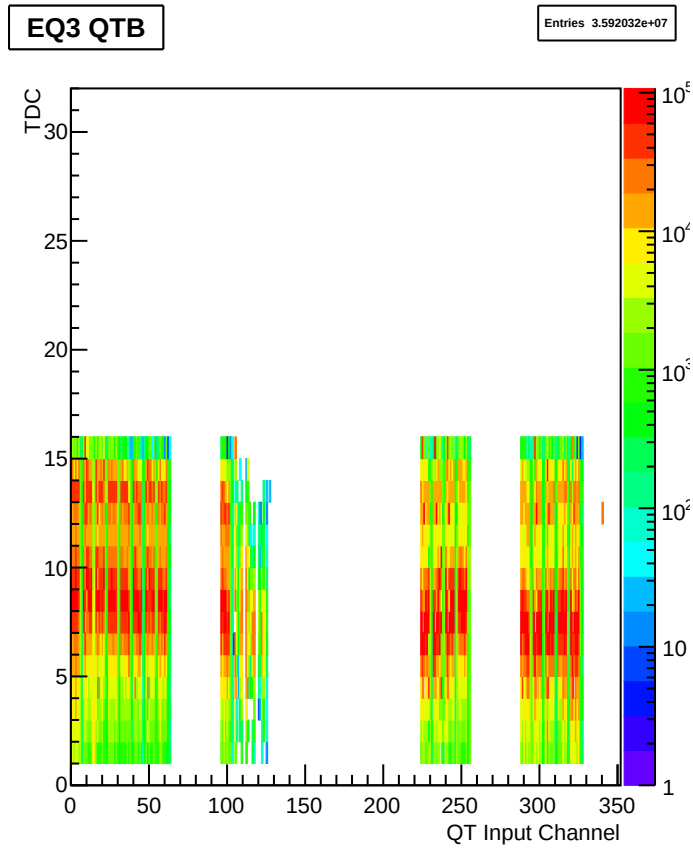

EQ2 QTB
Entries 1.325321e+08
ADC
QT Input Channel

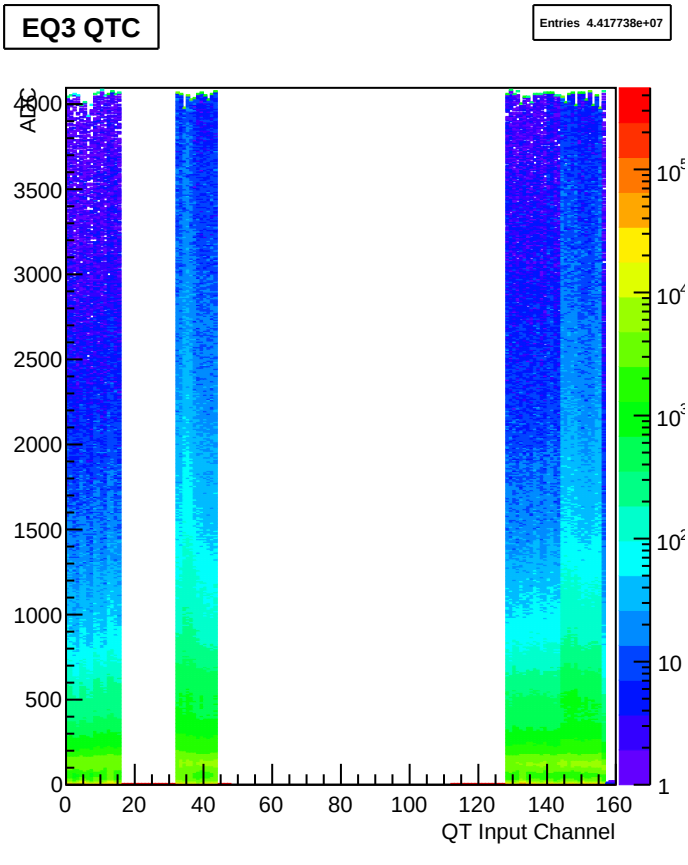

EQ2 QTB
Entries 4.401865e+07
TDC
QT Input Channel

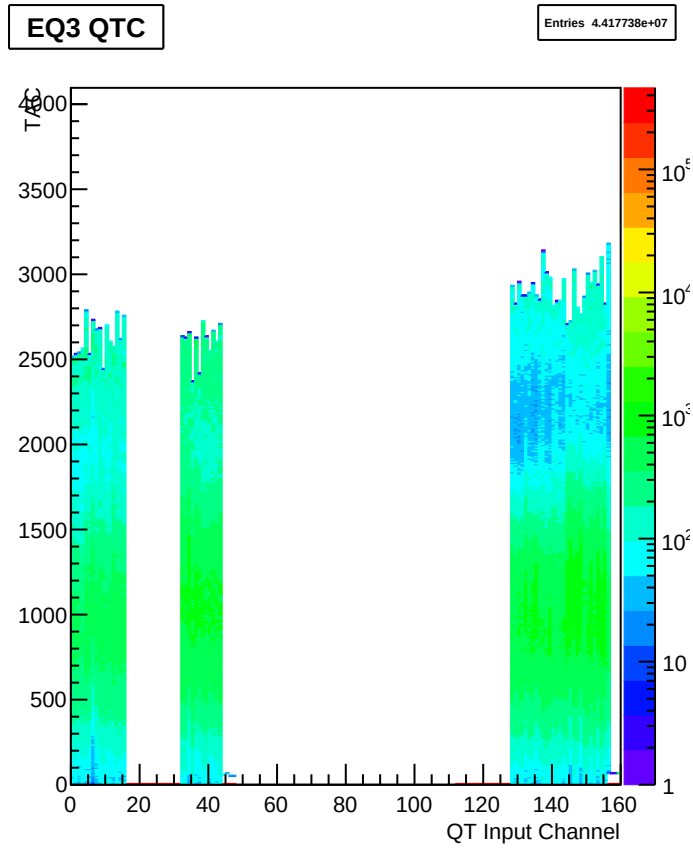

EQ2 QTC
Entries 4.417738e+07
ADC
QT Input Channel

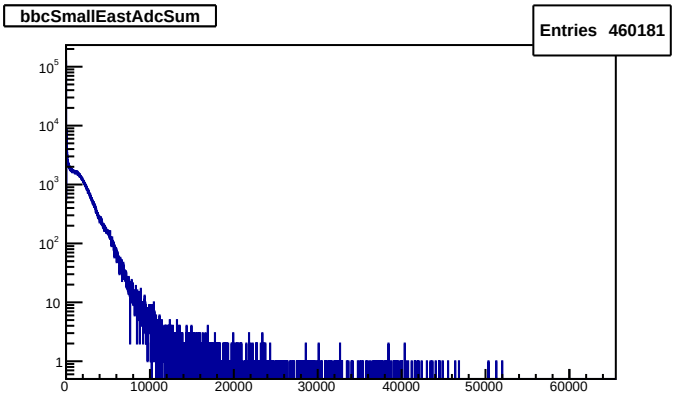

EQ2 QTC
Entries 4.417738e+07
TADC
QT Input Channel

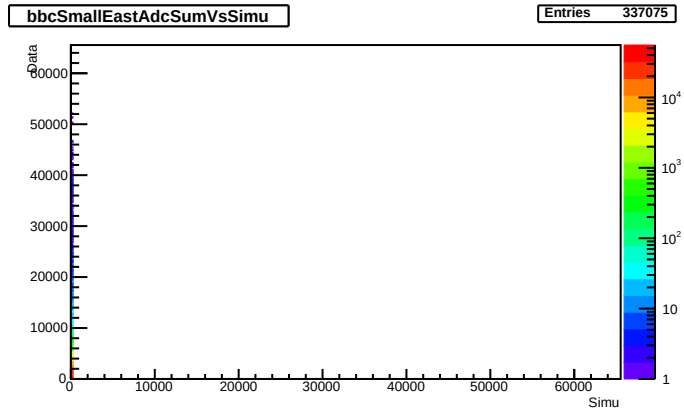

EQ3 QTB
Entries 1.178063e+08
ADC
QT Input Channel

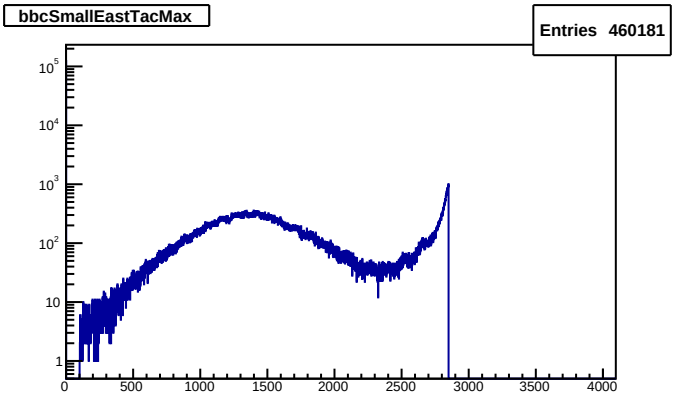

EQ3 QTB
Entries 3.592032e+07
TDC
QT Input Channel

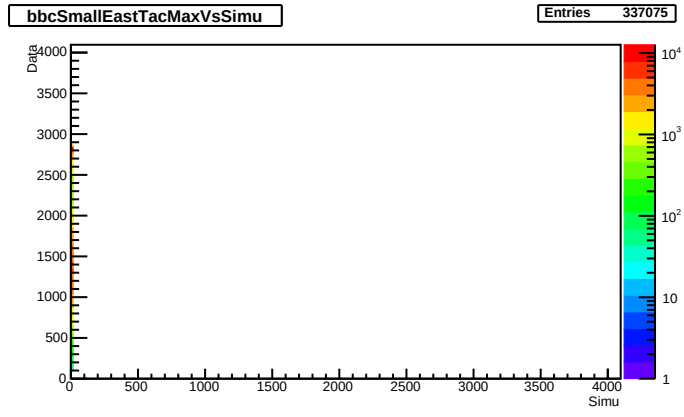

EQ3 QTC
Entries 4.417738e+07
ADC
QT Input Channel

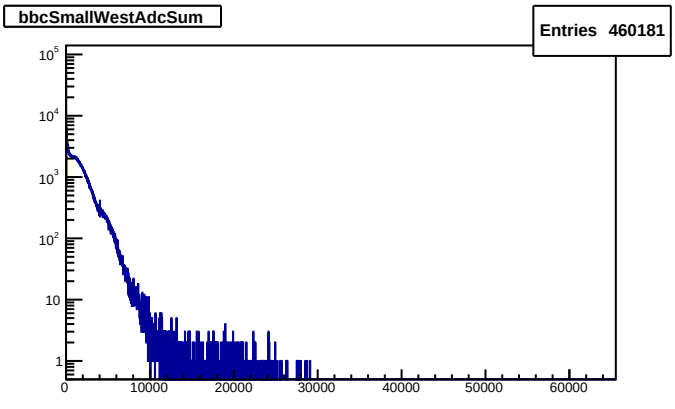

EQ3 QTC
Entries 4.417738e+07
TADC
QT Input Channel

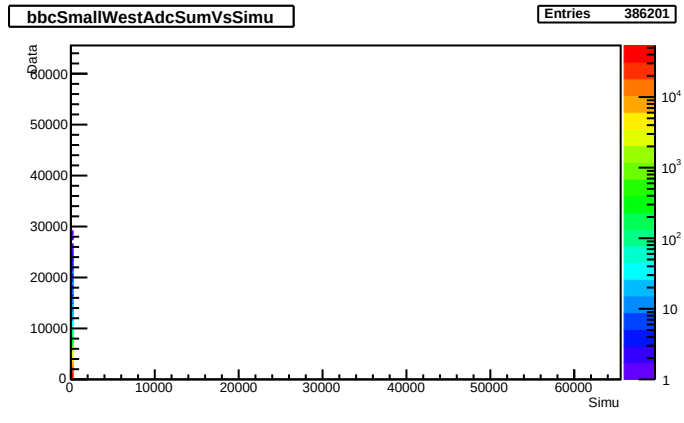

bbcSmallEastAdcSum
Entries 460181

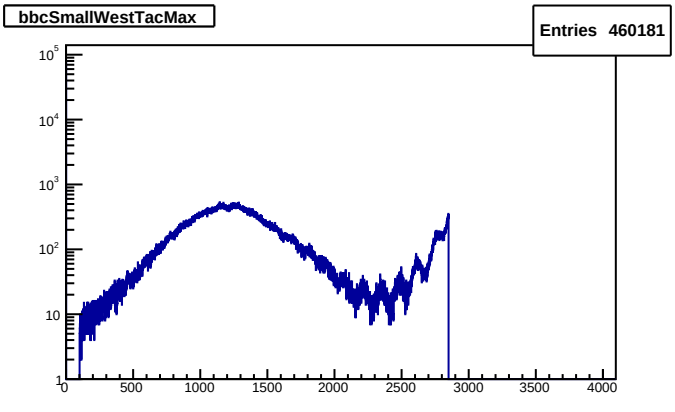

bbcSmallEastAdcSumVsSimu
Entries 337075
Data
Simu

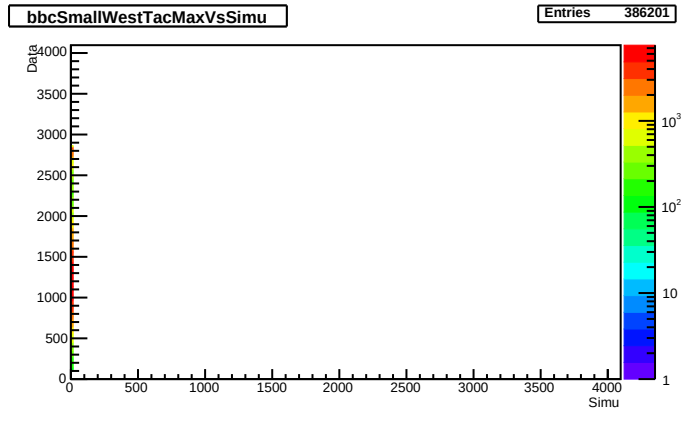

bbcSmallEastTacMax
Entries 460181

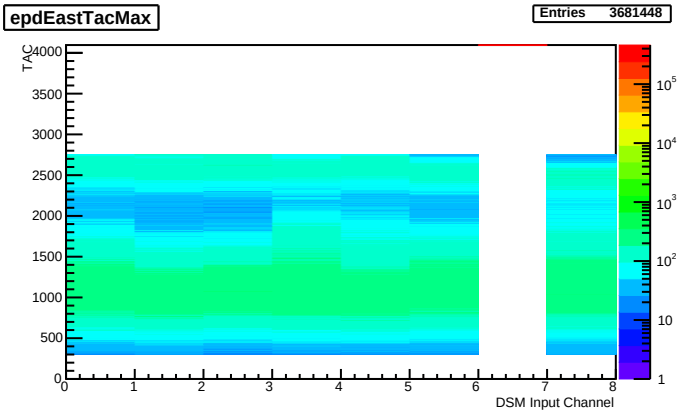

bbcSmallEastTacMaxVsSimu
Entries 337075
Data
Simu

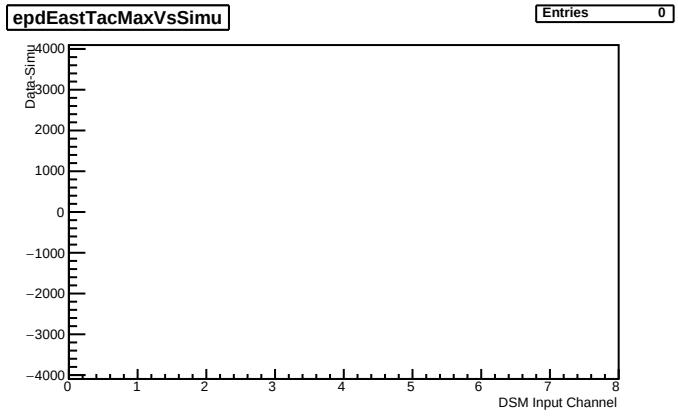

bbcSmallWestAdcSum
Entries 460181

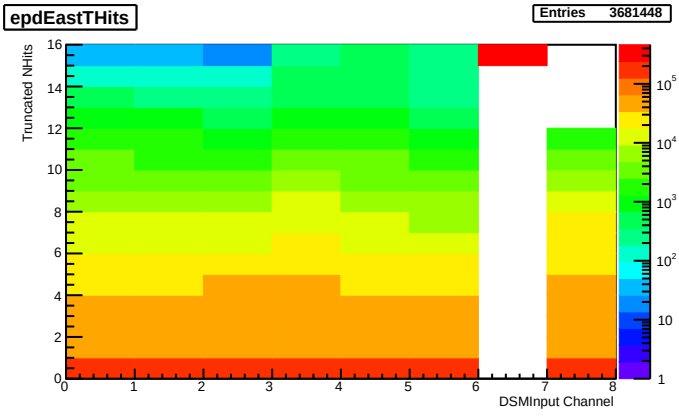

bbcSmallWestAdcSumVsSimu
Entries 386201
Data
Simu

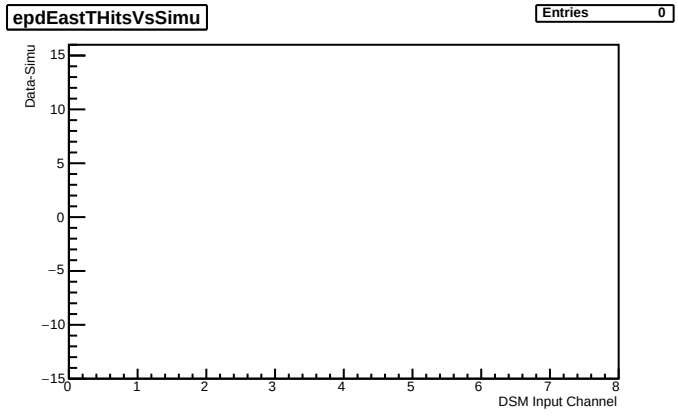

bbcSmallWestTacMax
Entries 460181


bbcSmallWestTacMaxVsSimu
Entries 386201
Data
Simu


epdEastTacMax
Entries 3681448
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3681448
Truncated NHits
DSMInput Channel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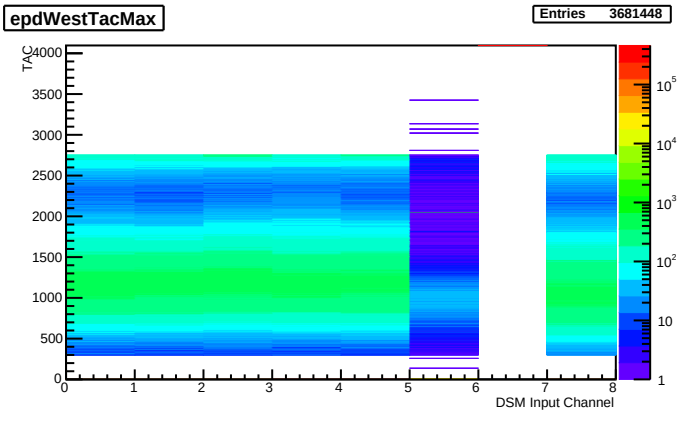
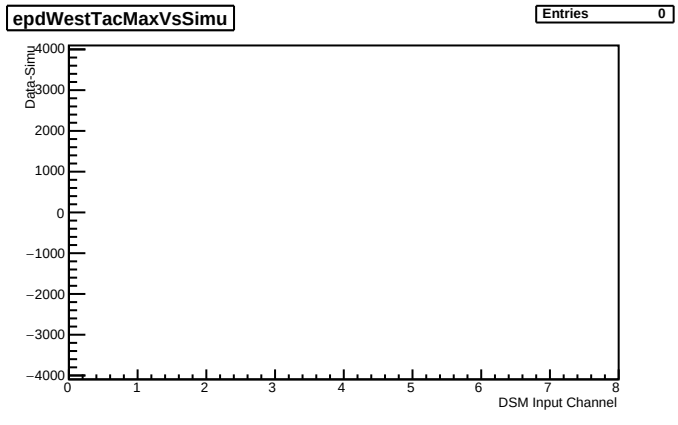
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 3681448
TAC
DSM Input Channel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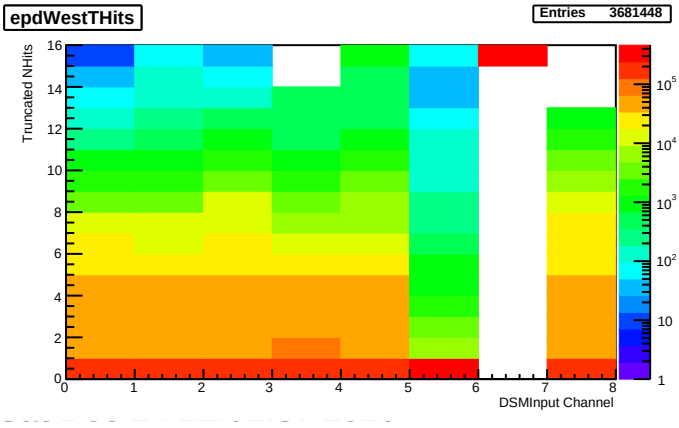
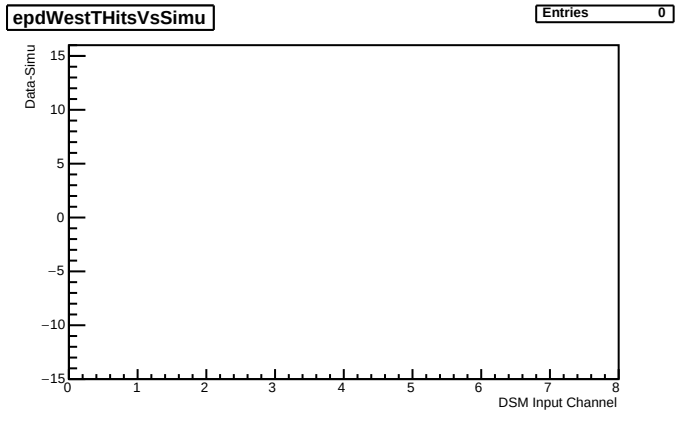
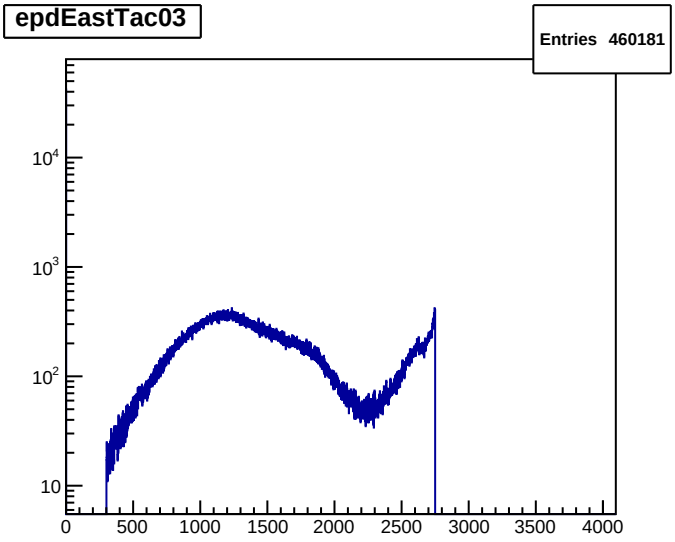
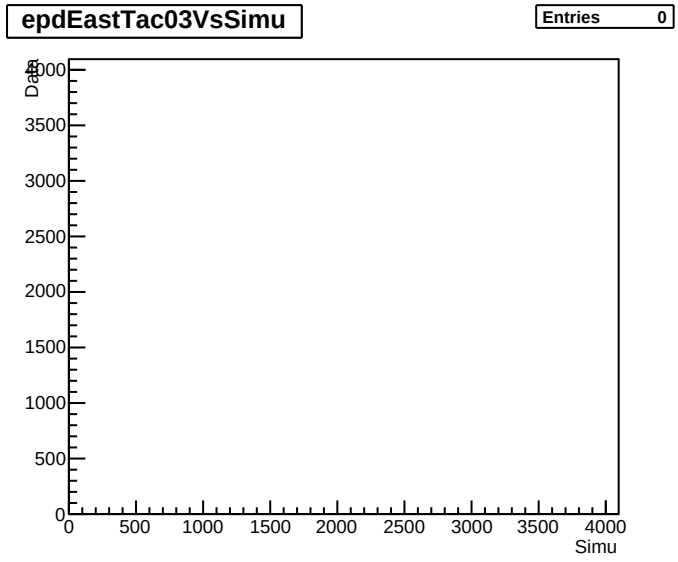
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3681448
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 460181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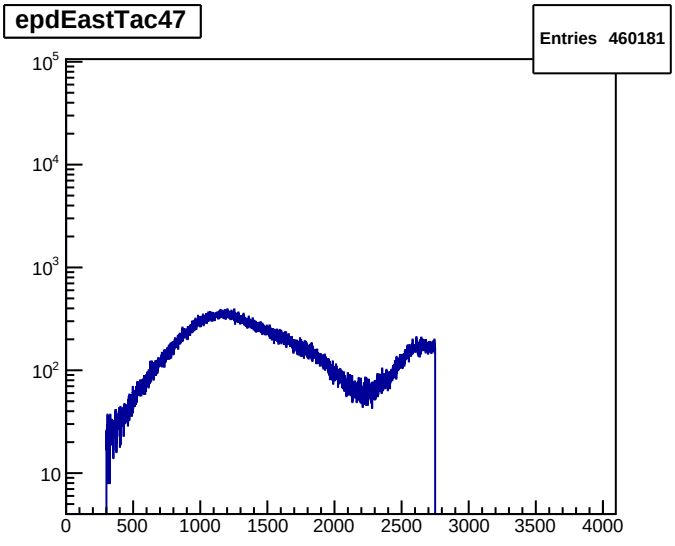
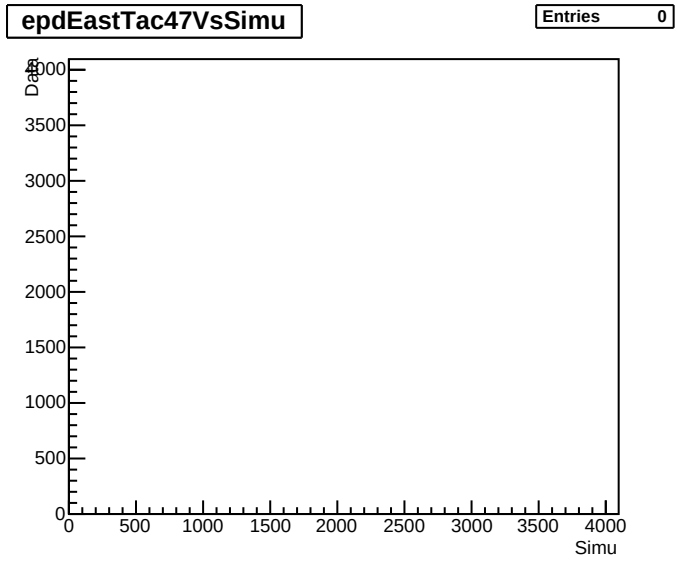
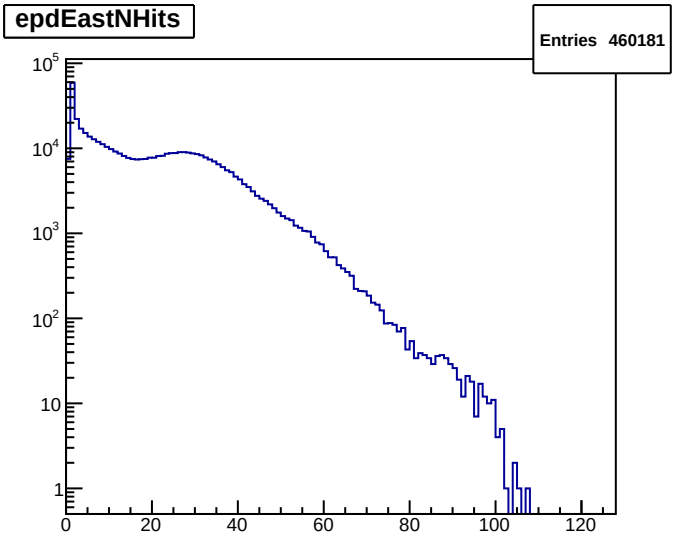
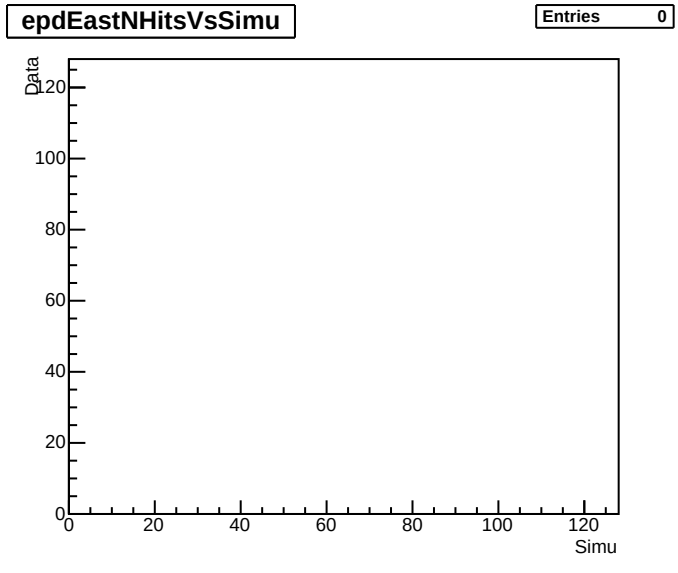
Entries 0
Data
Simu


epdEastTac47
Entries 460181


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 460181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Entries 0
Data
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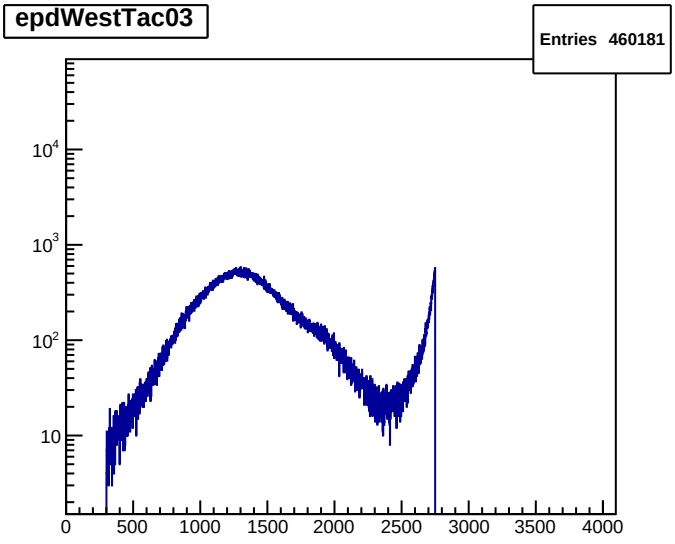
epdWestTac03
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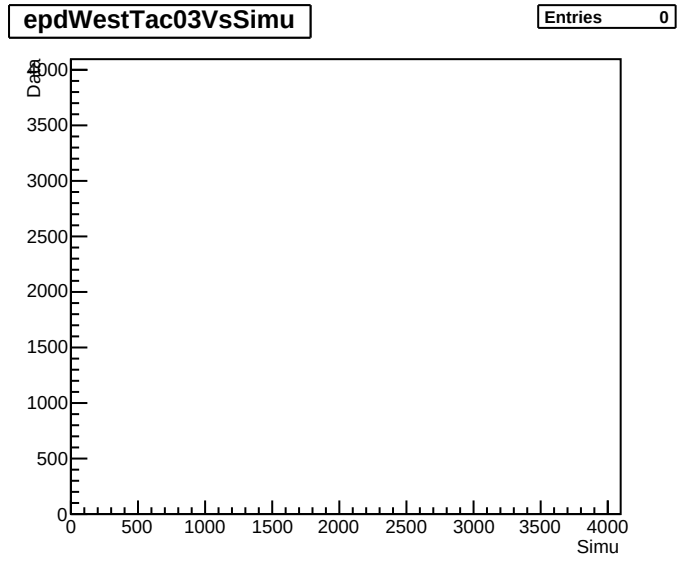
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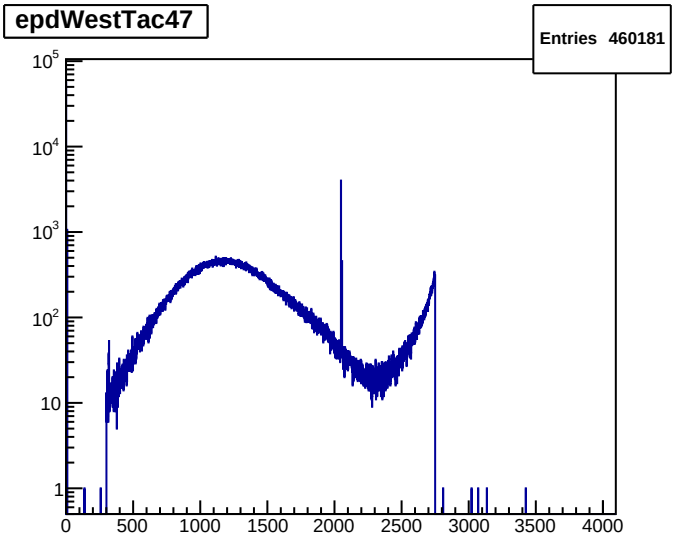
Entries 0
Data
Simu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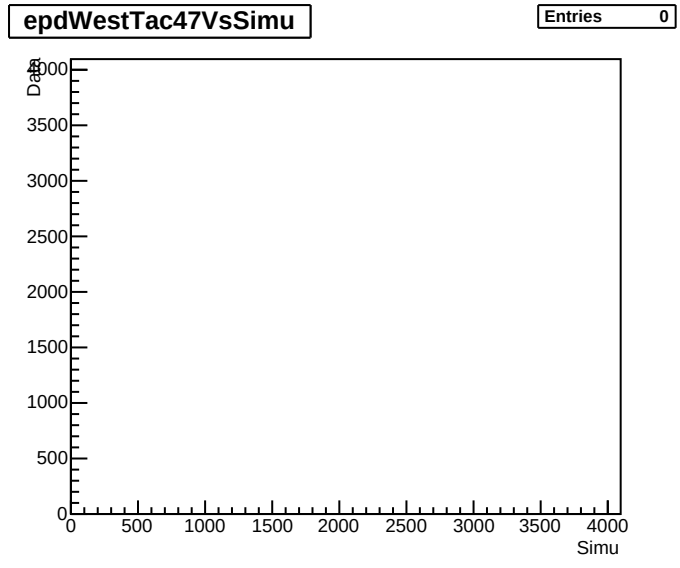
Entries 460181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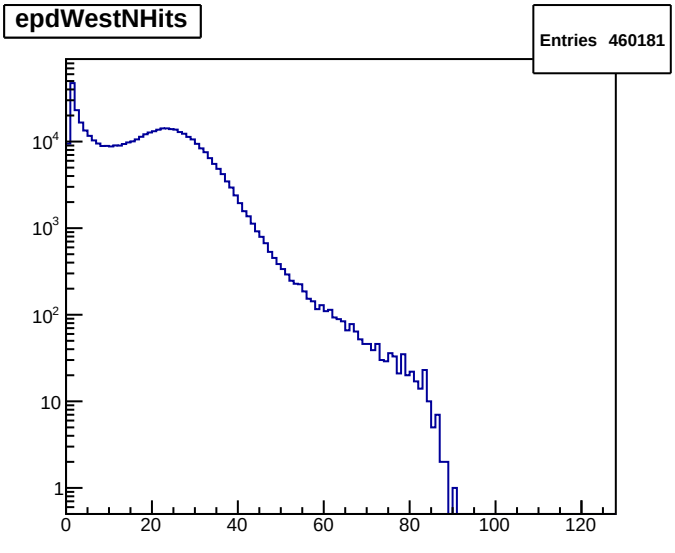
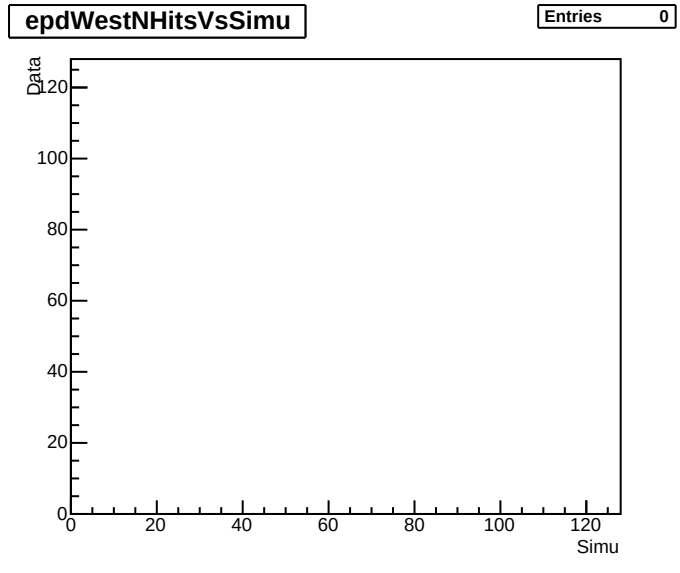
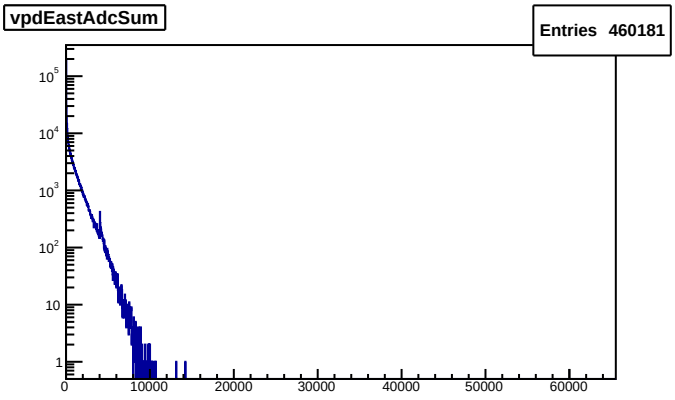
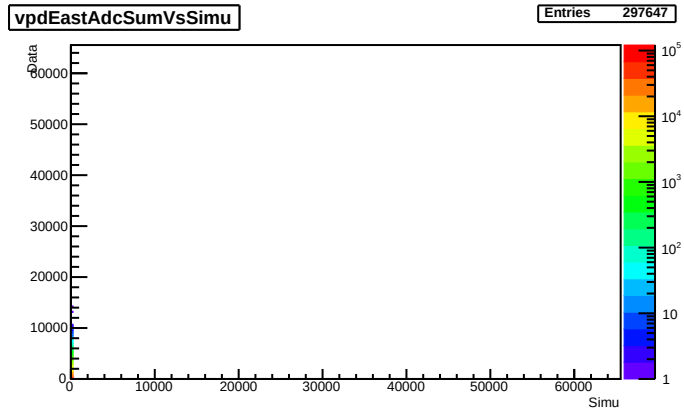
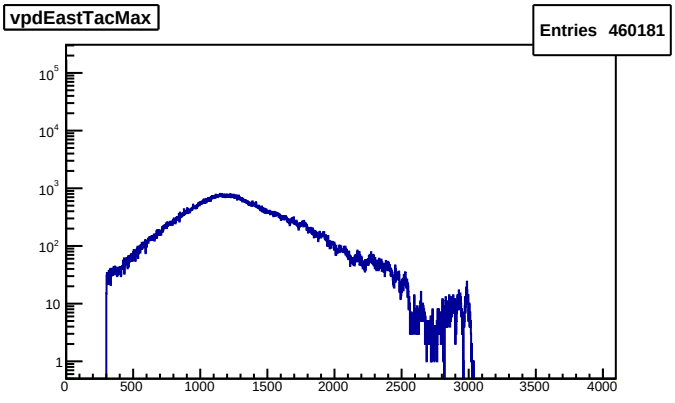
Entries 0
Data
Simu

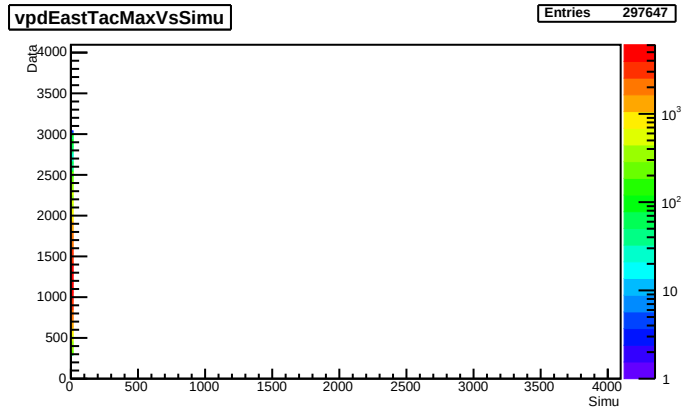

epdWestNHits
Entries 460181

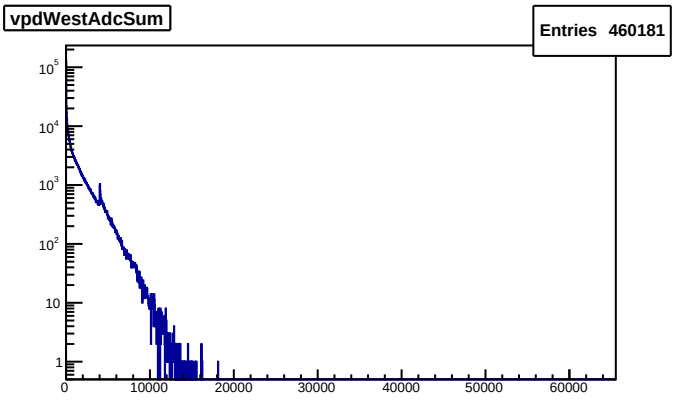

epdWestNHitsVsSimu
Entries 0
Data
Simu

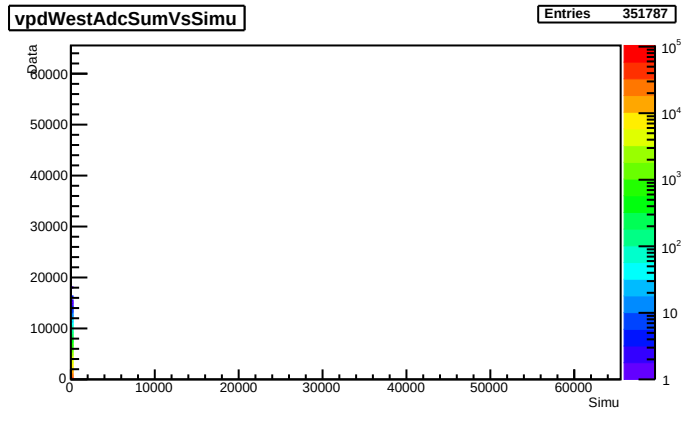

vpdEastAdcSum
Entries 460181

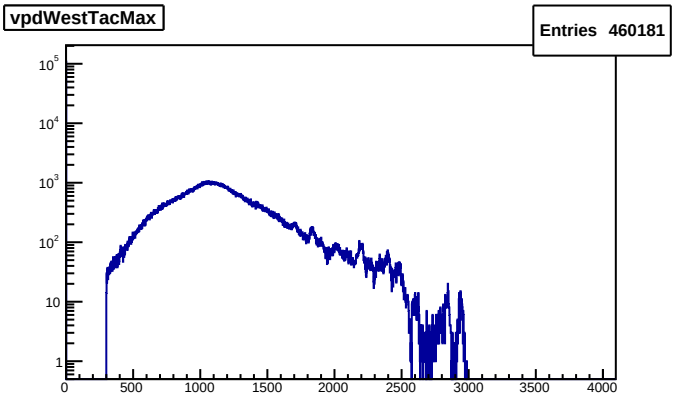

vpdEastAdcSumVsSimu
Entries 297647
Data
Simu

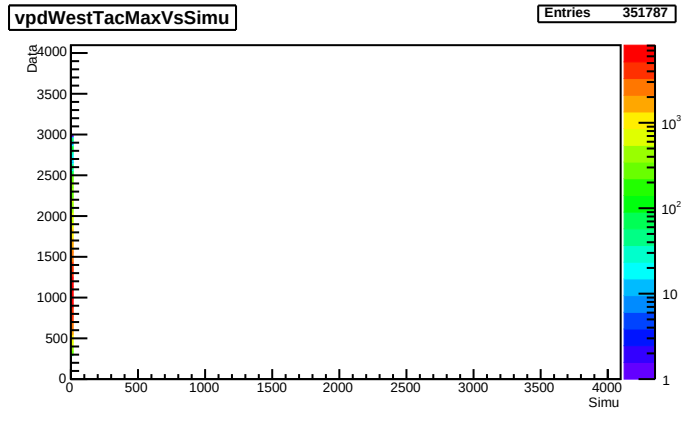

vpdEastTacMax
Entries 460181

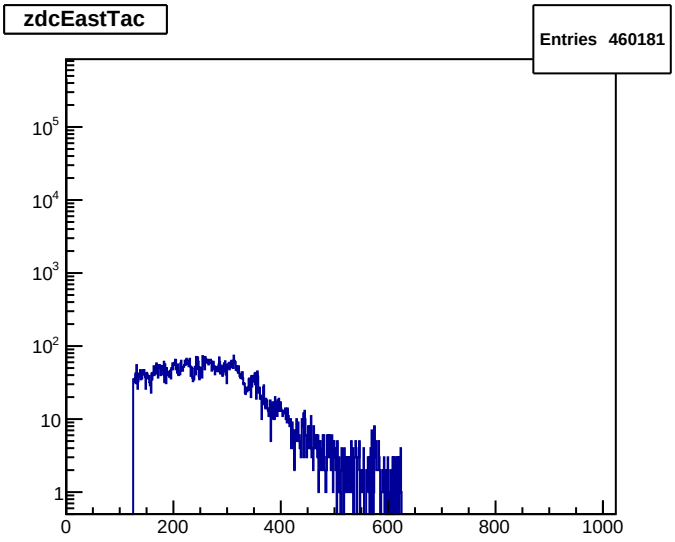

vpdEastTacMaxVsSimu
Entries 297647
Data
Simu

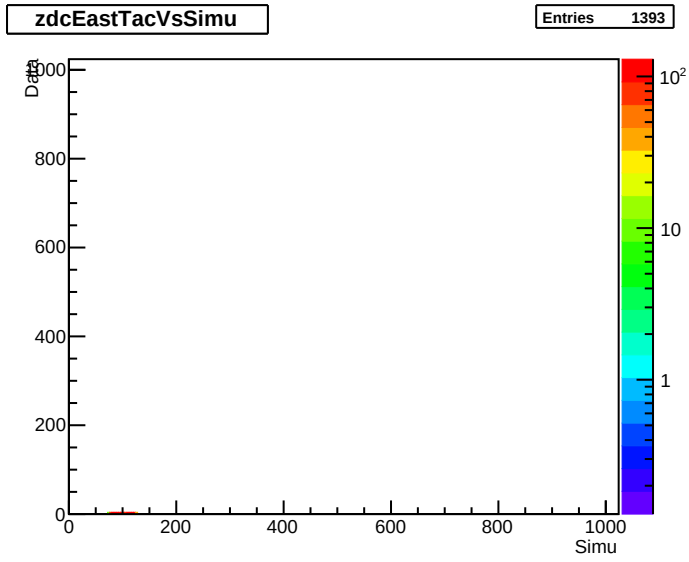

vpdWestAdcSum
Entries 460181

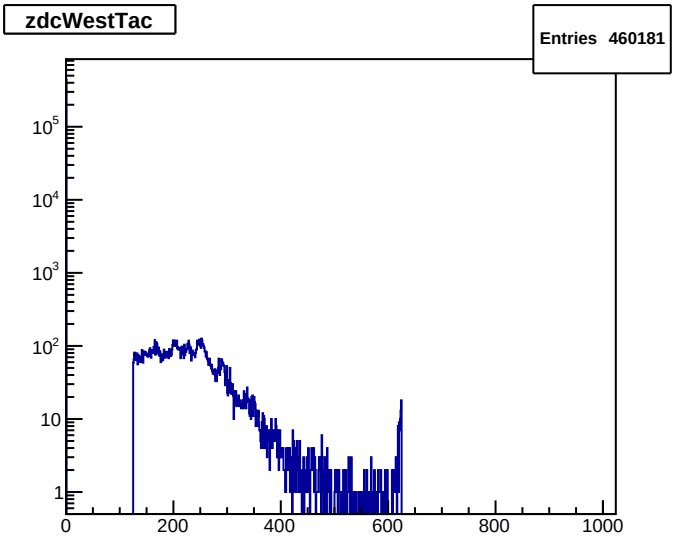

vpdWestAdcSumVsSimu
Entries 351787
Data
Simu

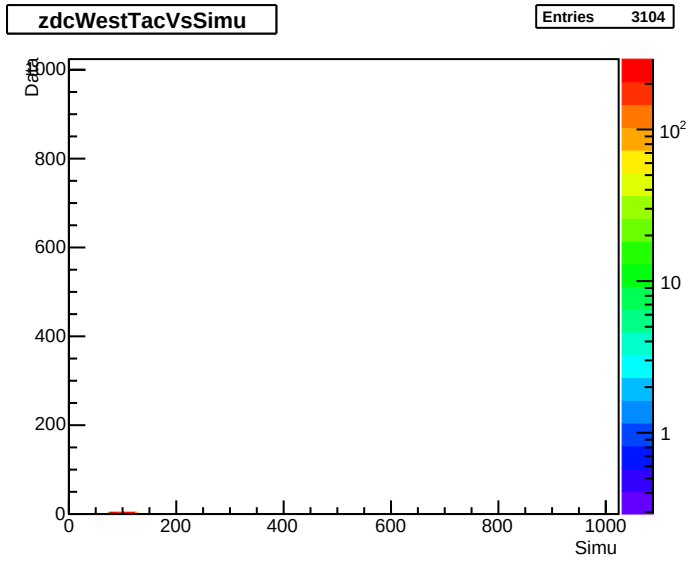

vpdWestTacMax
Entries 460181

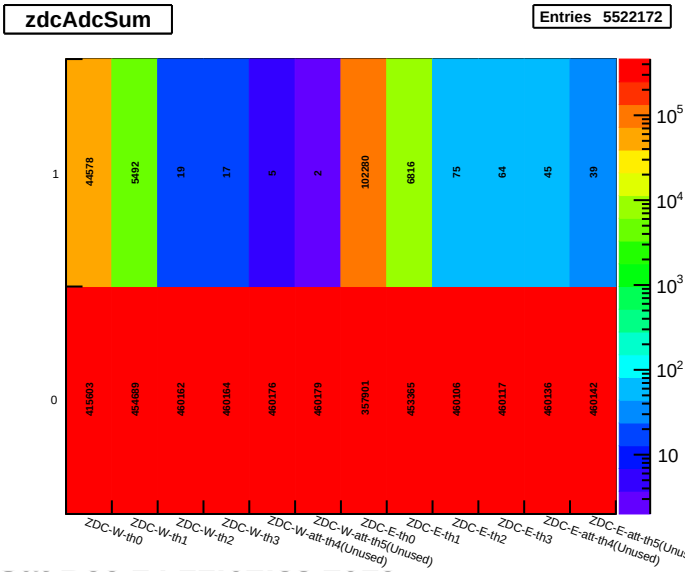

vpdWestTacMaxVsSimu
Entries 351787
Data
Simu

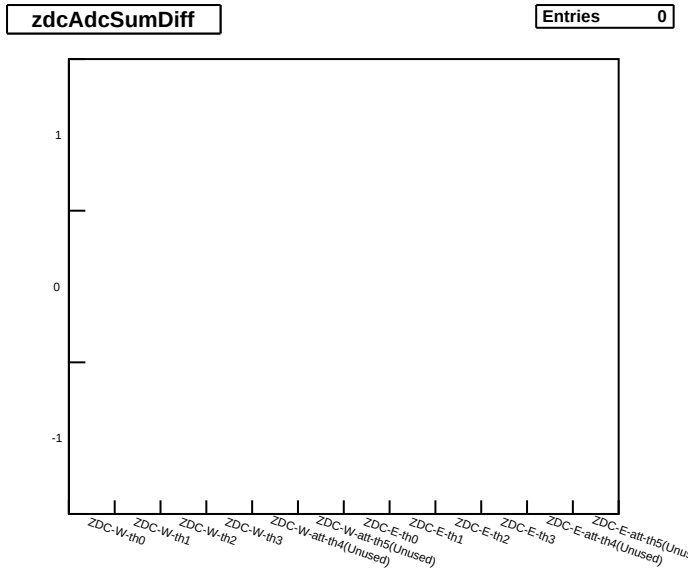

zdcEastTac
Entries 460181

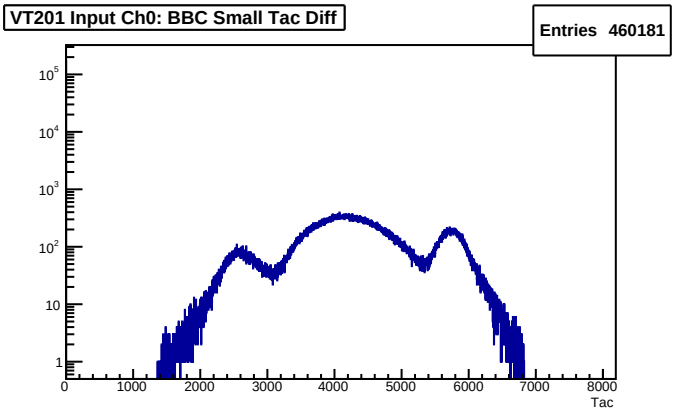

zdcEastTacVsSimu
Entries 1393
Data
Simu

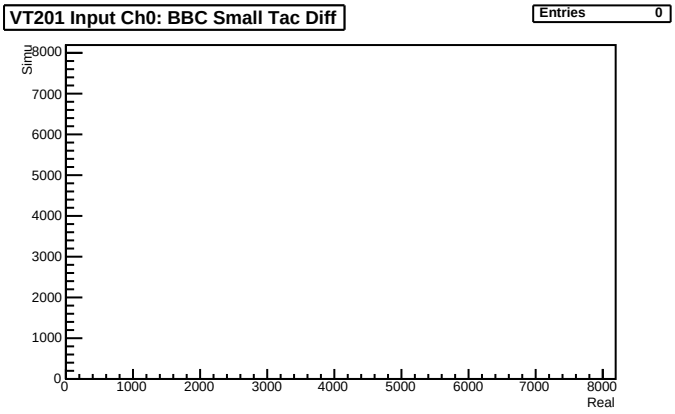

zdcWestTac
Entries 460181

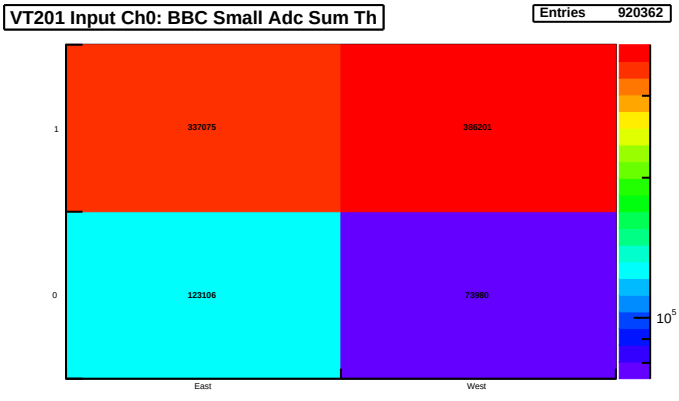

zdcWestTacVsSimu
Entries 3104
Data
Simu

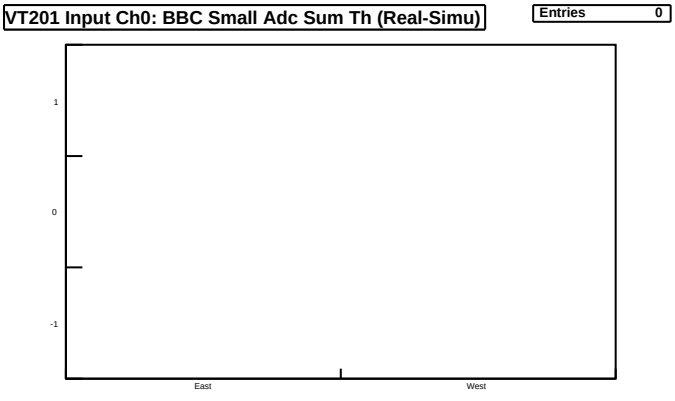

zdcAdcSum
Entries 5522172
44678
5492
19
17
5
2
102280
6816
75
64
45
39
415603
454689
460162
460164
460176
460179
357901
453385
460106
460117
460136
460142
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

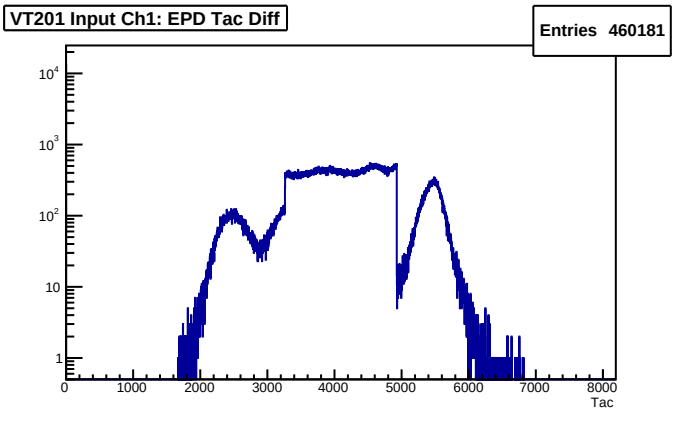

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

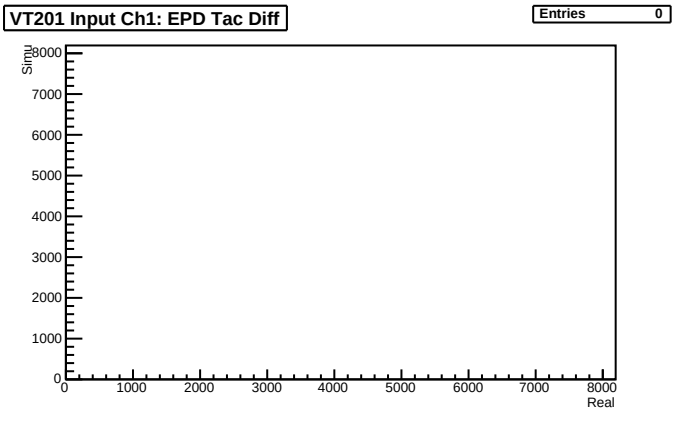

VT201 Input Ch0: BBC Small Tac Diff
Entries 460181
Tac

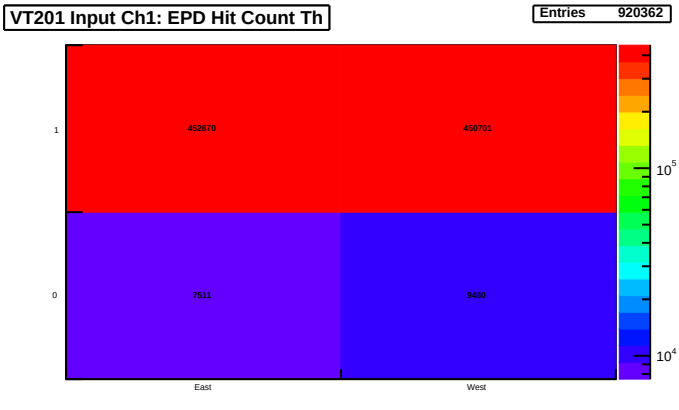

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

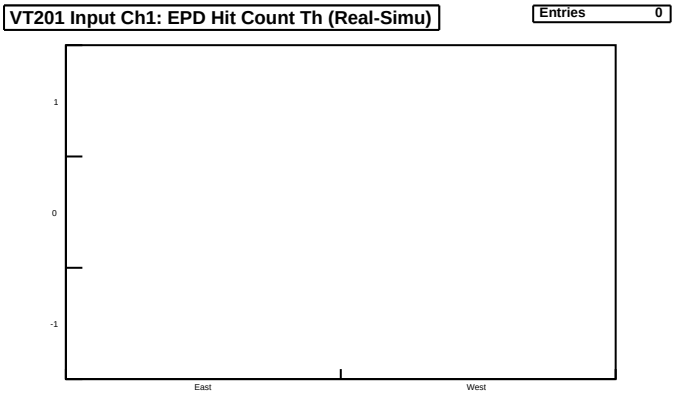

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 920362
337075
386201
123106
73980
East
West

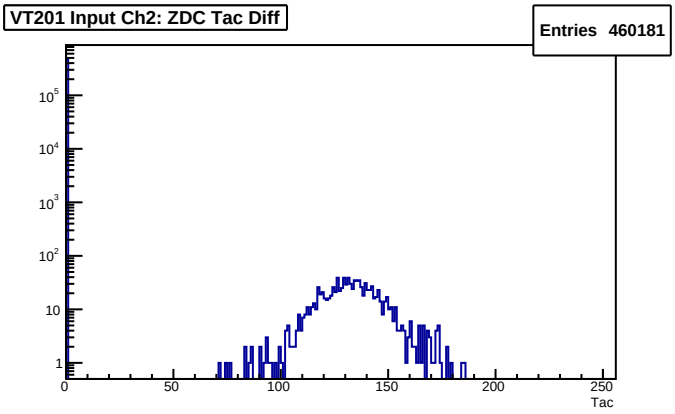

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

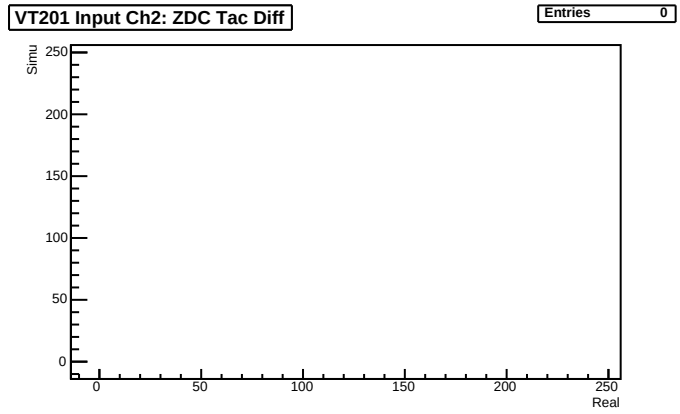

VT201 Input Ch1: EPD Tac Diff
Entries 460181
Tac

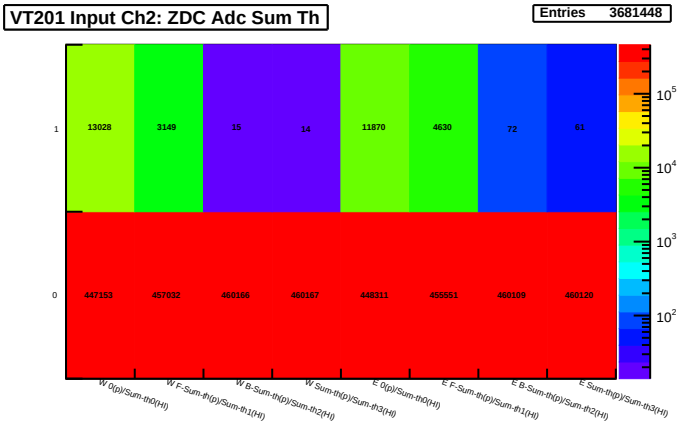

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

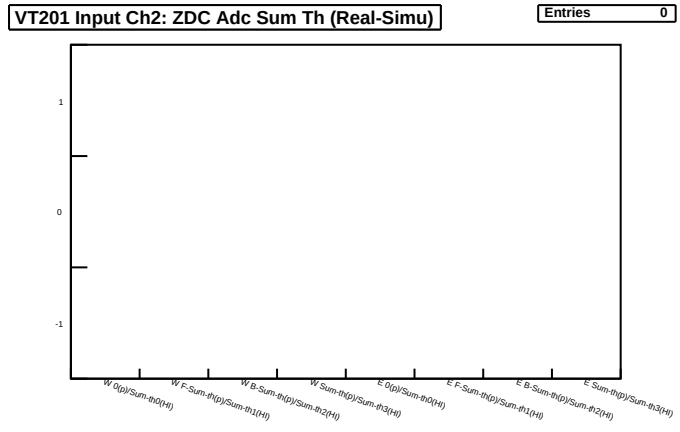

VT201 Input Ch1: EPD Hit Count Th
Entries 920362
452670
450701
7511
9480
East
West

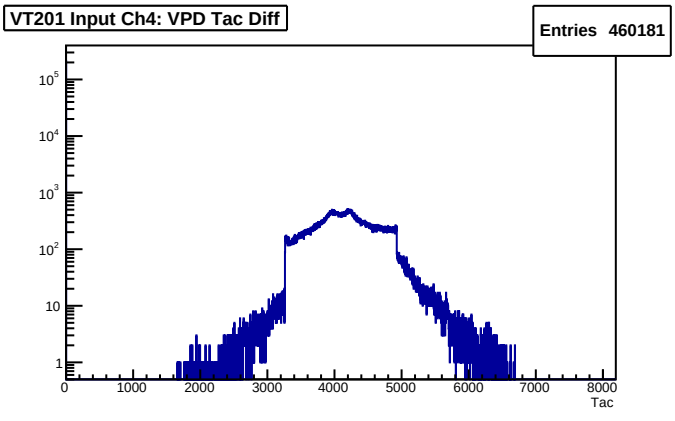

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

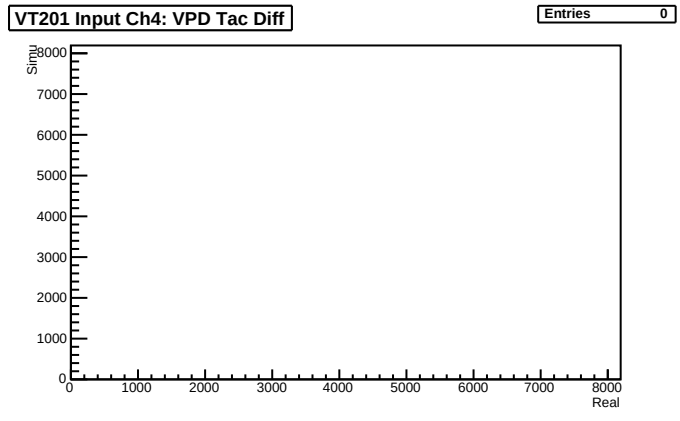

VT201 Input Ch2: ZDC Tac Diff
Entries 460181
Tac

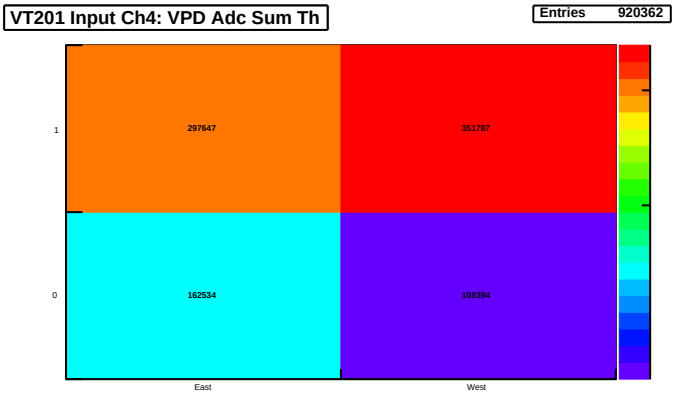

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

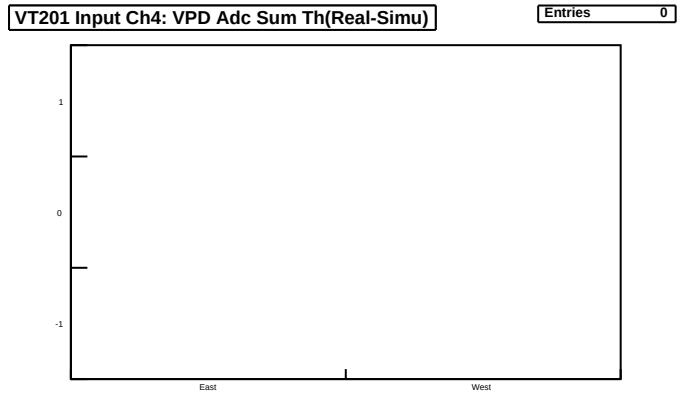

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3681448
13028
3149
15
14
11870
4630
72
61
447153
457032
460166
460167
448311
455551
460109
460120
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

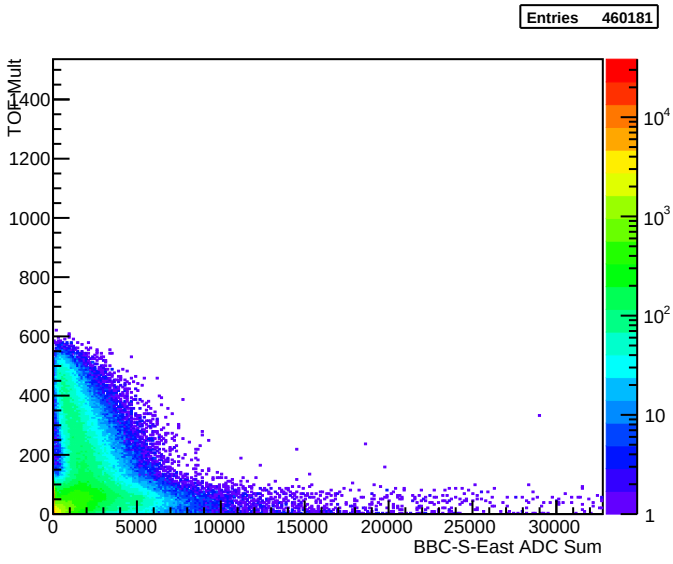

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

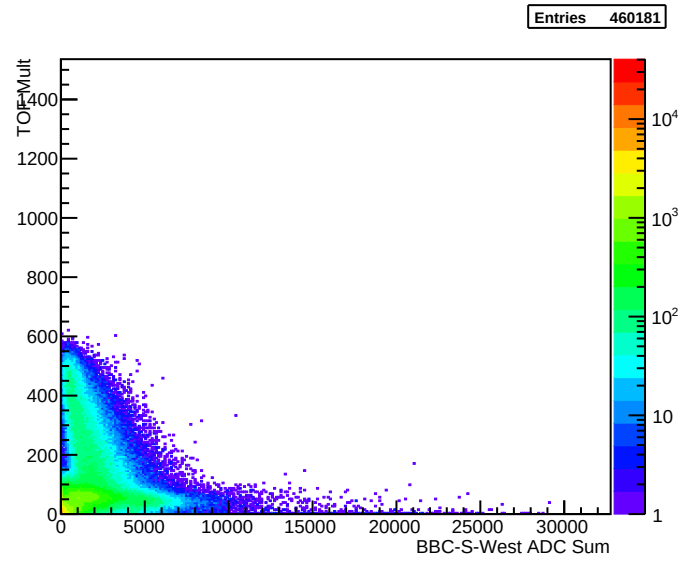

VT201 Input Ch4: VPD Tac Diff
Entries 460181
Tac

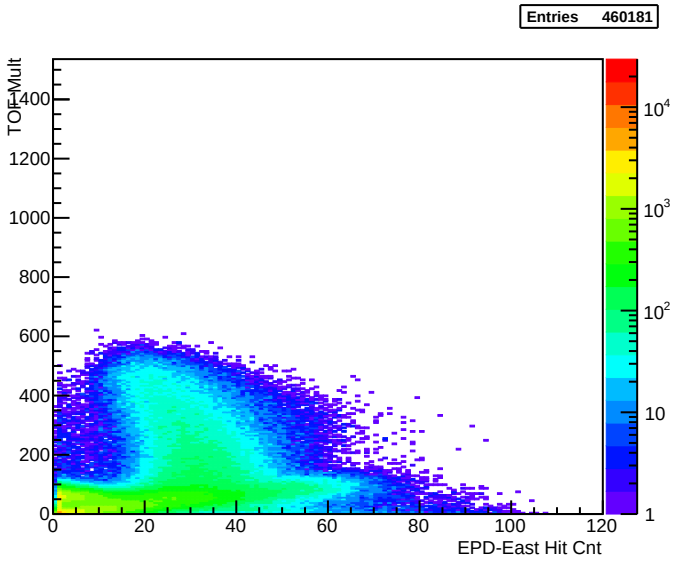

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

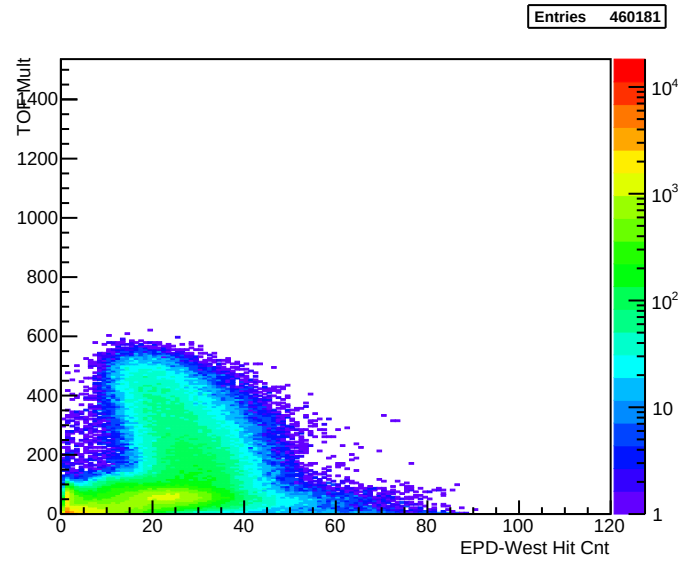

VT201 Input Ch4: VPD Adc Sum Th
Entries 920362
297647
351787
162534
108394
East
West

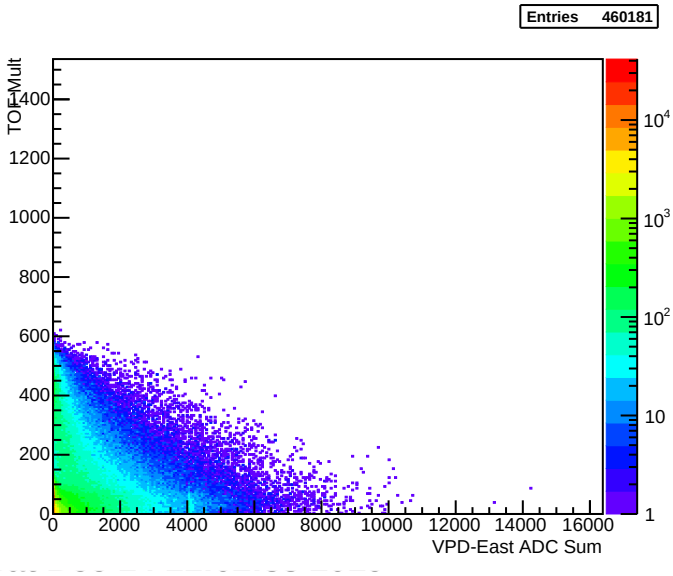

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

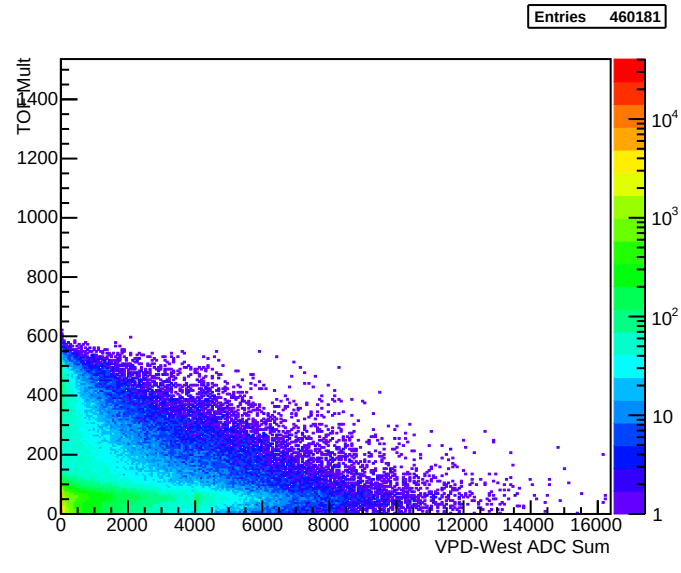

Entries 460181
TOF-Mult
BBC-S-East ADC Sum

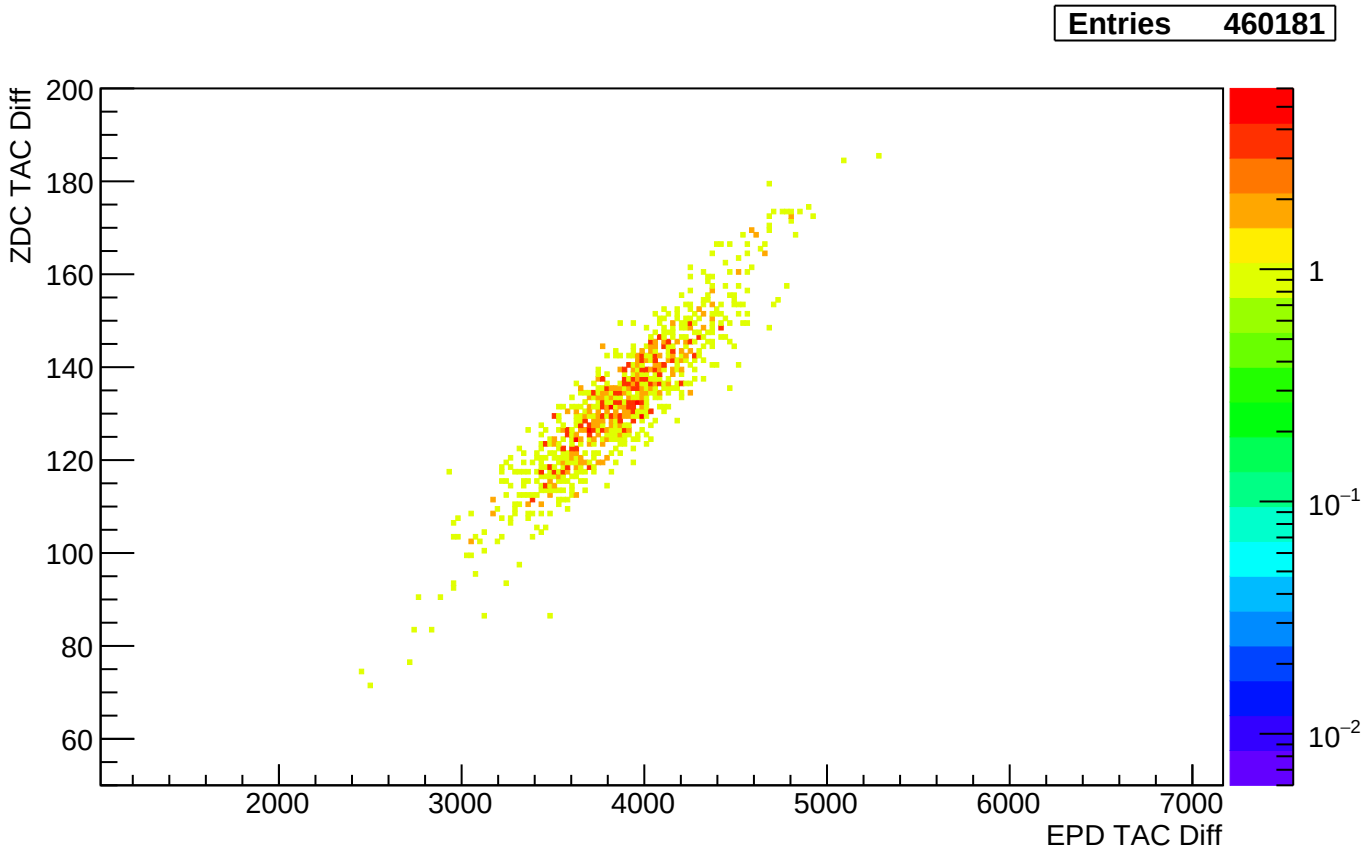

Entries 460181
TOF-Mult
BBC-S-West ADC Sum

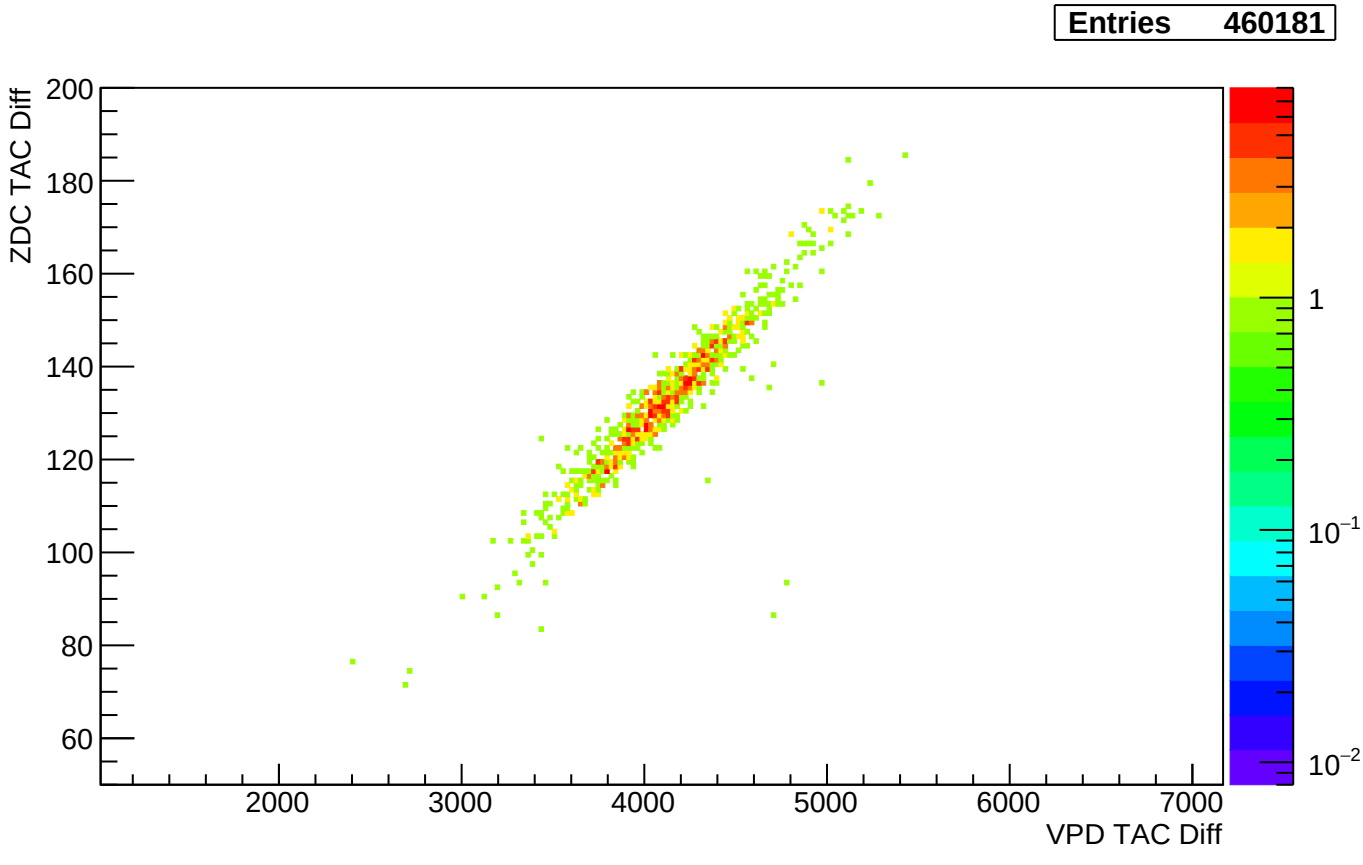

Entries 460181
TOF-Mult
EPD-East Hit Cnt

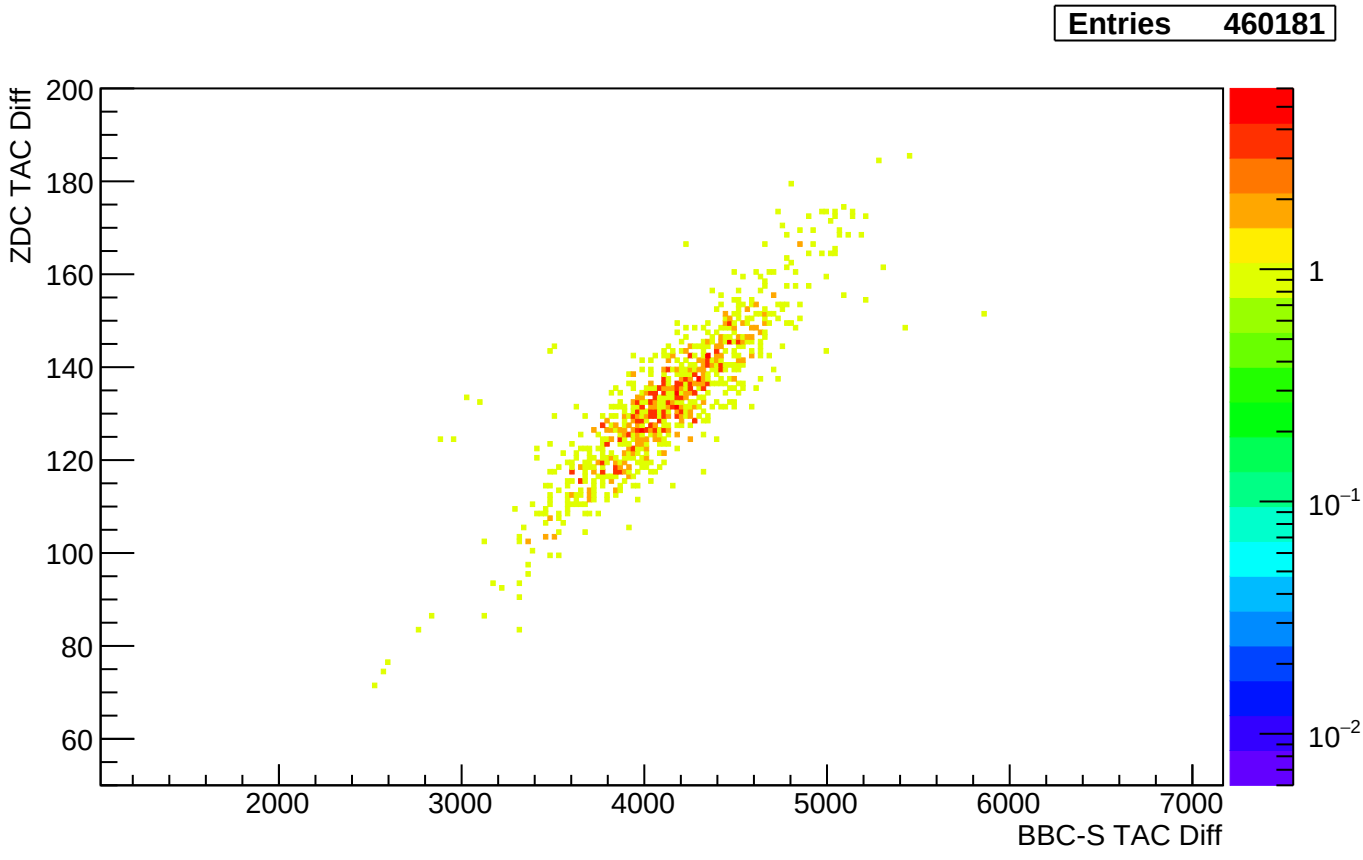

Entries 460181
TOF-Mult
EPD-West Hit Cnt

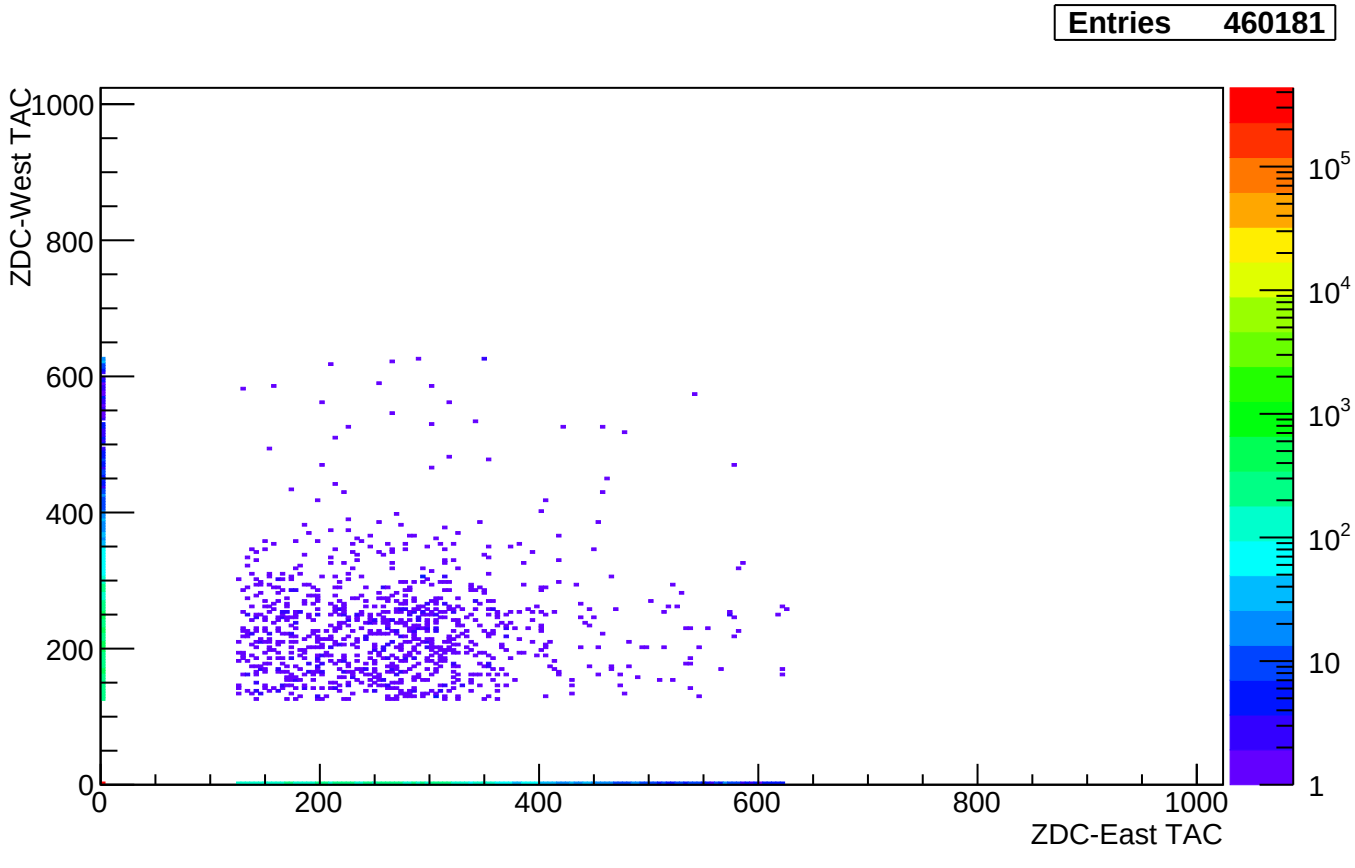

Entries 460181
TOF-Mult
VPD-East ADC Sum

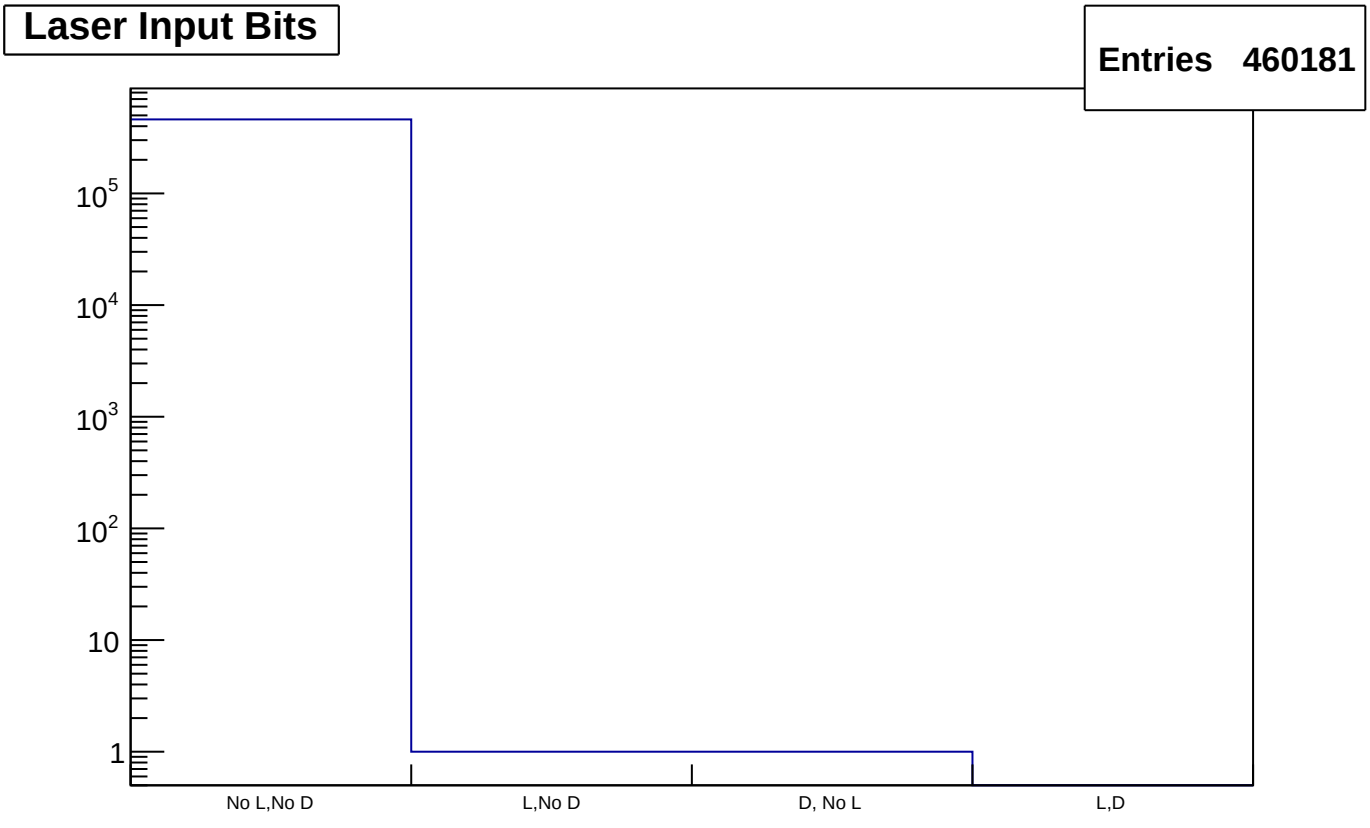

Entries 460181
TOF-Mult
VPD-West ADC Sum

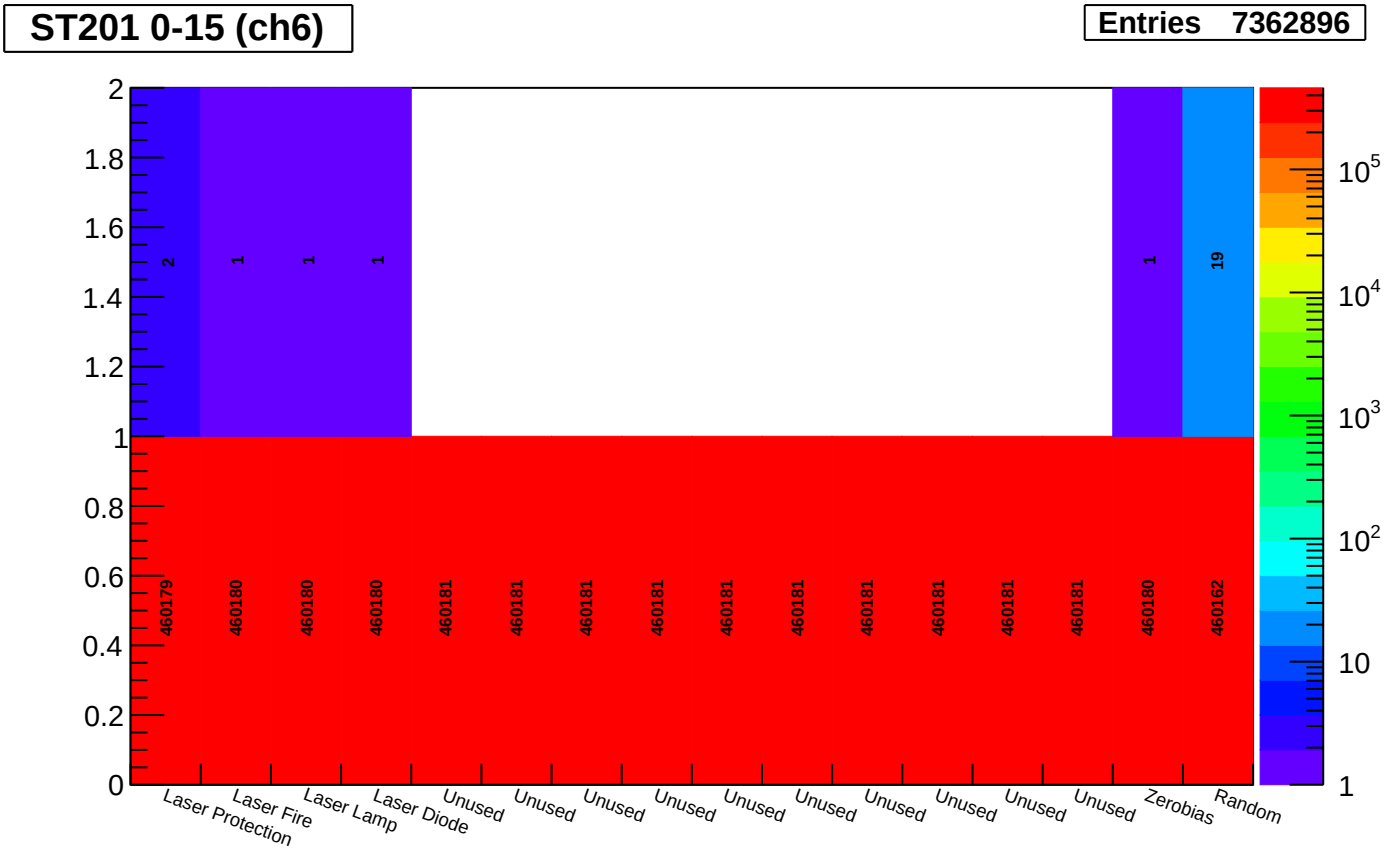

Entries 460181
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

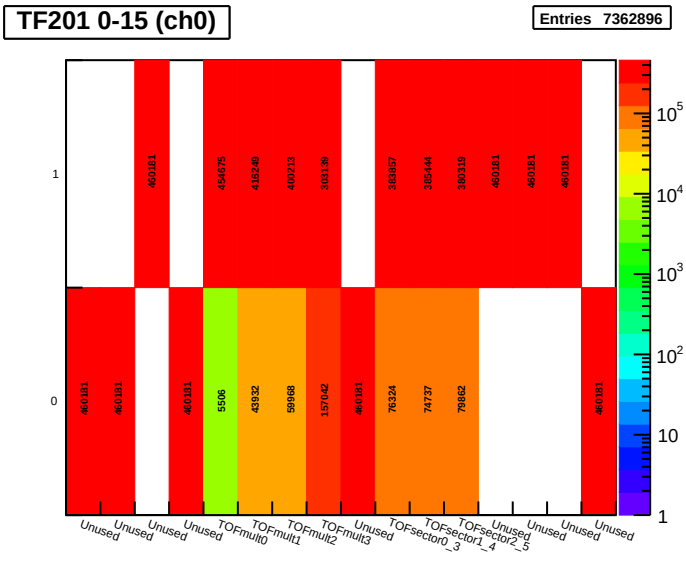

Entries 460181
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

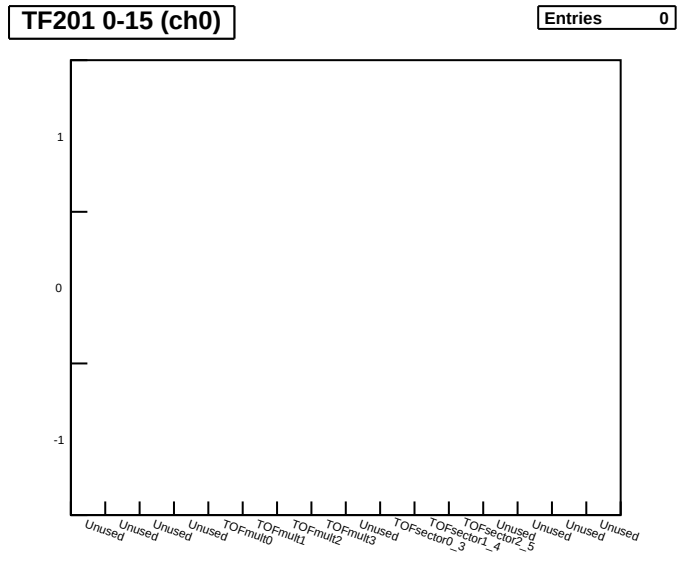

Entries 460181
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

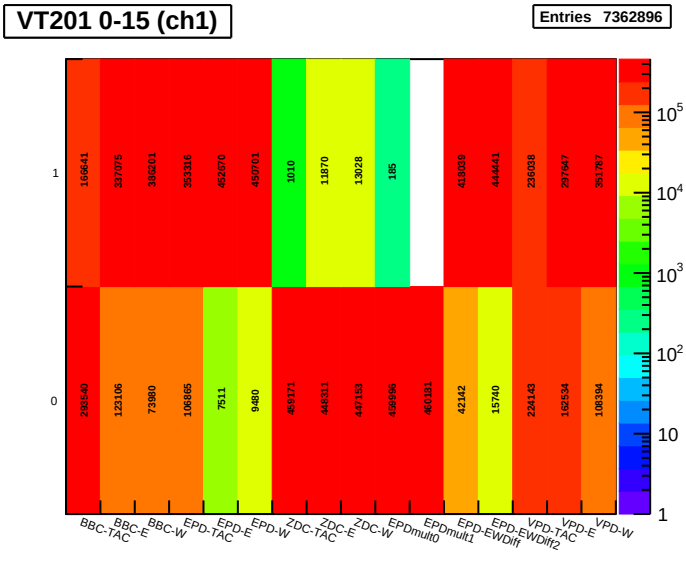

Entries 460181
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

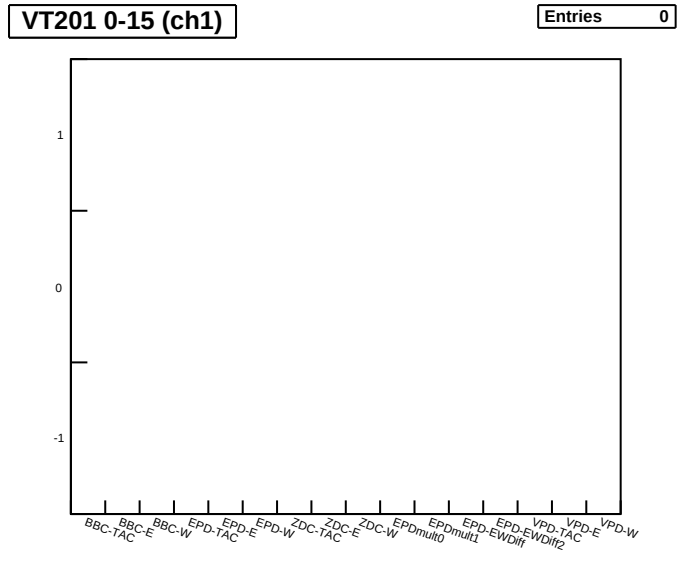

Laser Input Bits
Entries 460181
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

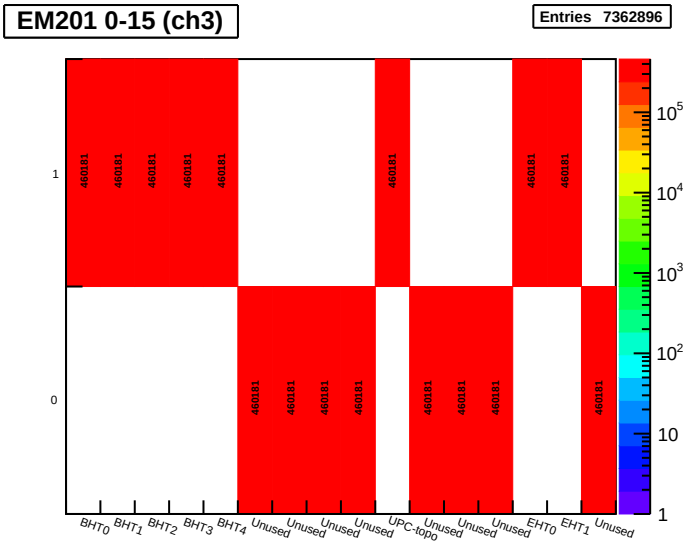

ST201 0-15 (ch6)
Entries 7362896
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
2
1
1
1
1
19
460179
460180
460180
460180
460181
460181
460181
460181
460181
460181
460181
460181
460181
460181
460180
460162
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

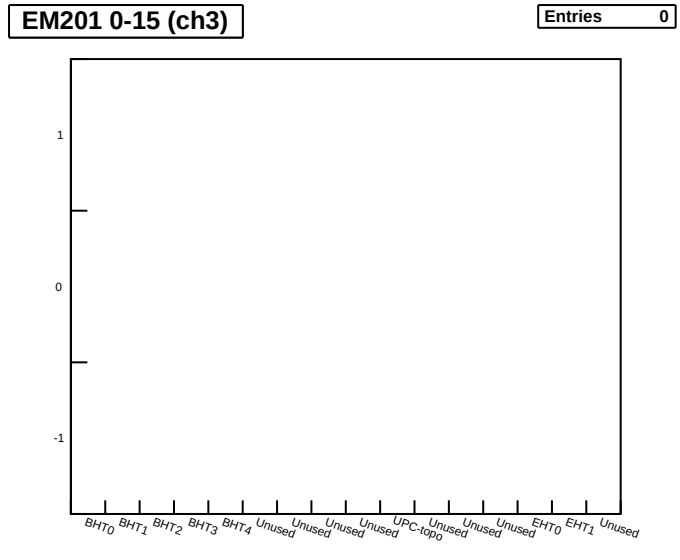

TF201 0-15 (ch0)
Entries 7362896
1
0
460181
454675
416249
400213
303139
383857
385444
380319
460181
460181
460181
460181
460181
460181
460181
5506
43932
59068
157042
460181
76324
74737
79862
460181
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 7362896
1
0
166641
337075
306201
353316
452670
450701
1010
11870
13028
185
418039
444441
236038
297647
351787
233540
123106
73980
106865
7511
9480
459171
448311
447153
459996
460181
42142
15740
224143
162534
106394
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 7362896
1
0
460181
460181
460181
460181
460181
460181
460181
460181
460181
460181
460181
460181
460181
460181
460181
460181
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
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
UPC-topo
EHT0
EHT1