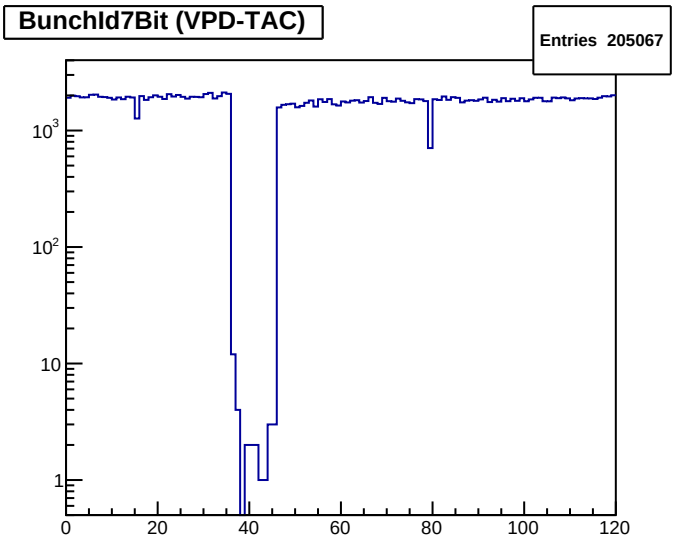
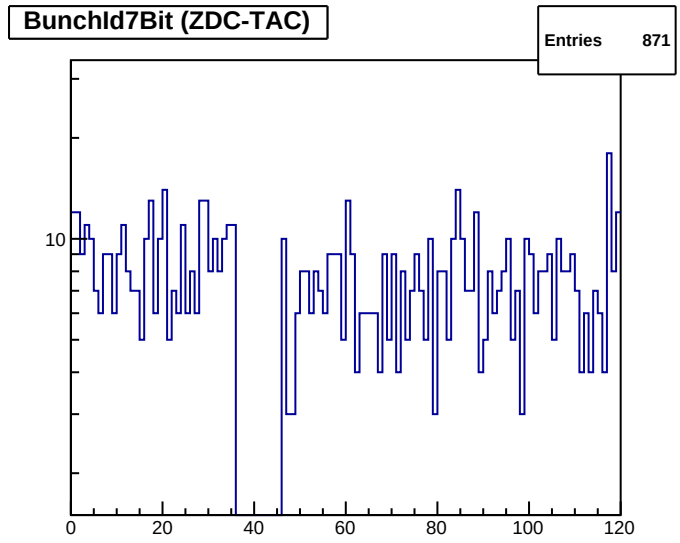
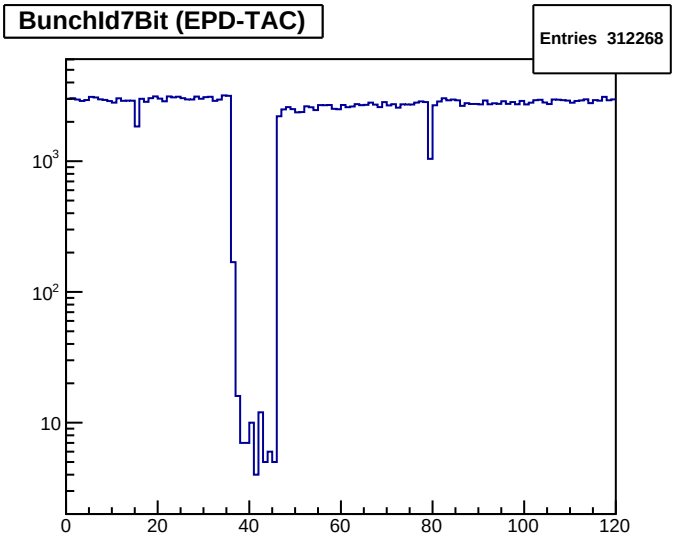
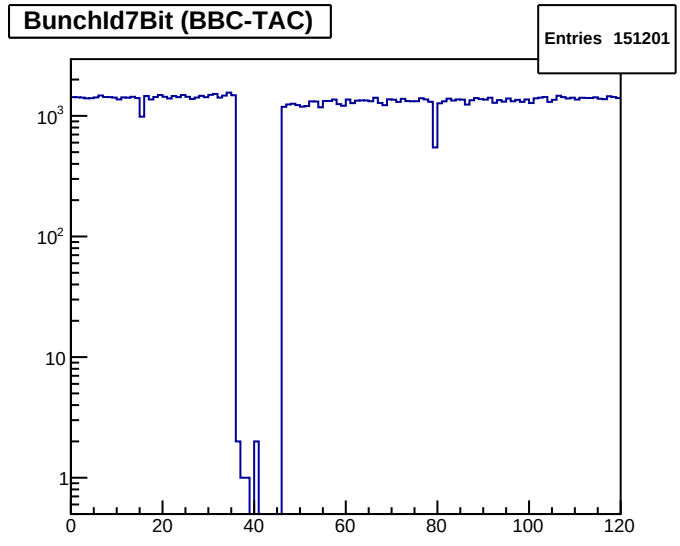
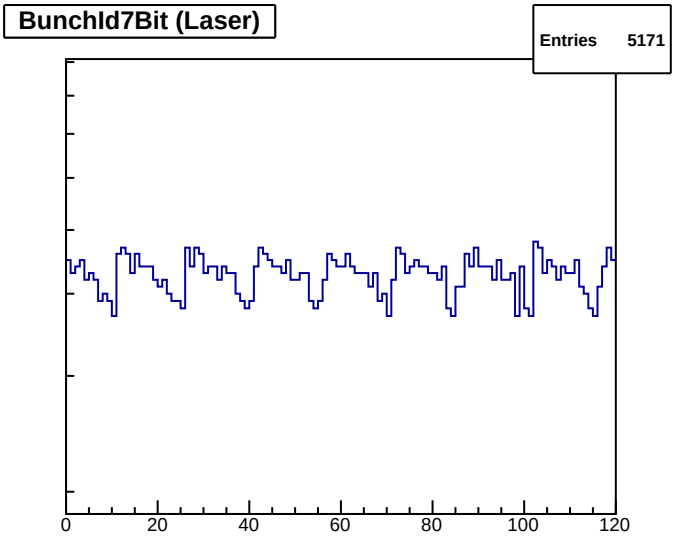
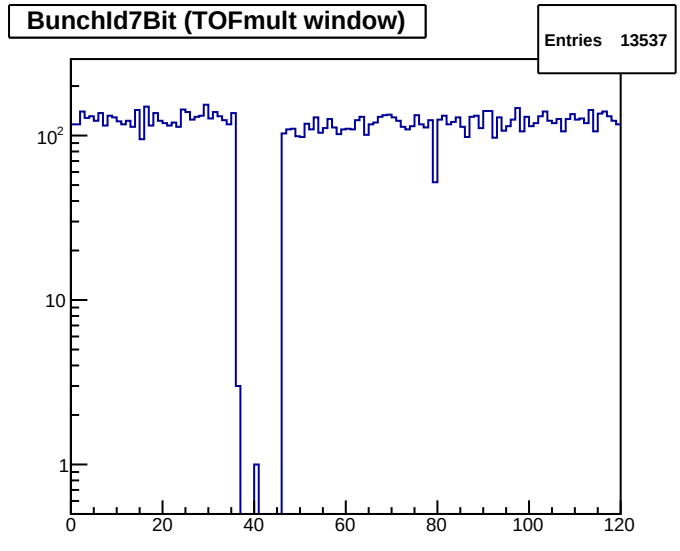

BunchId7Bit (VPD-TAC)
Entries 205067
10^3
10^2
10
1
0
20
40
60
80
100
120

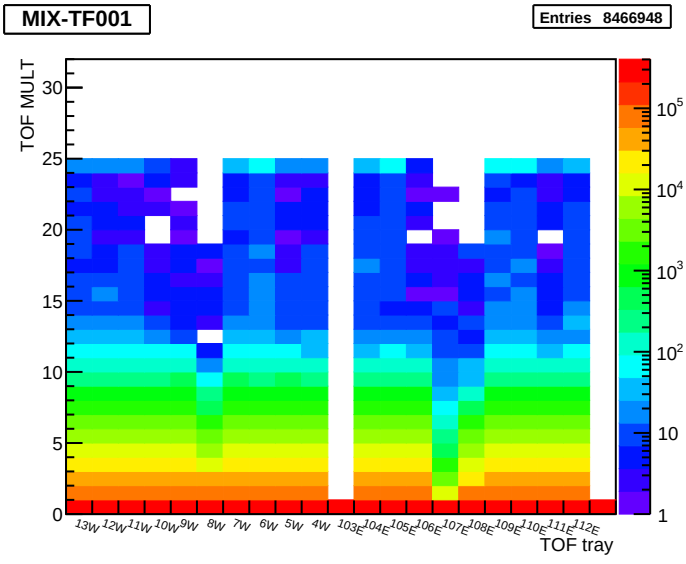

BunchId7Bit (ZDC-TAC)
Entries 871
10
0
20
40
60
80
100
120

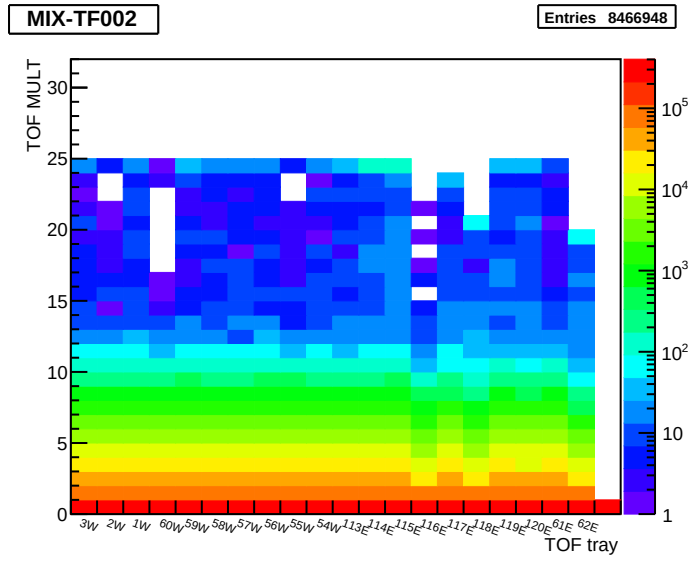

BunchId7Bit (EPD-TAC)
Entries 312268
10^3
10^2
10
0
20
40
60
80
100
120

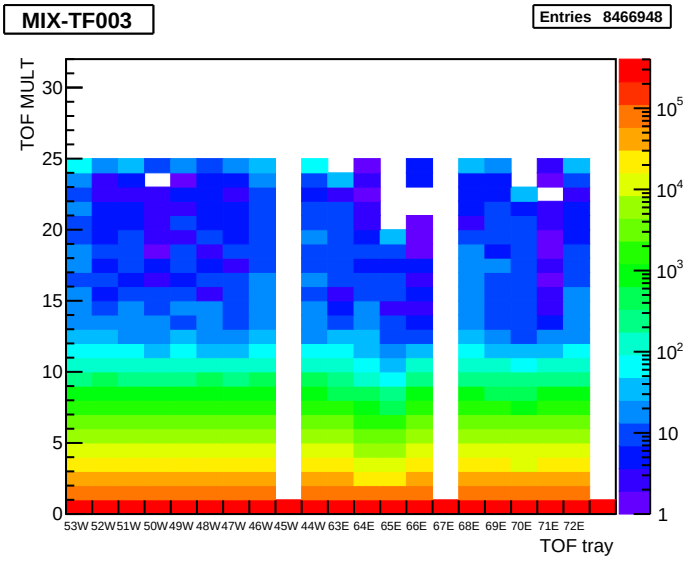

BunchId7Bit (BBC-TAC)
Entries 151201
10^3
10^2
10
1
0
20
40
60
80
100
120

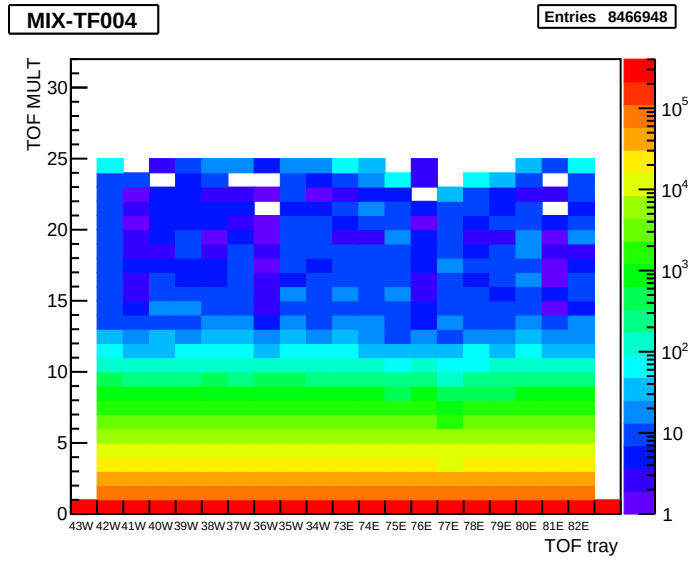

BunchId7Bit (Laser)
Entries 5171
0
20
40
60
80
100
120

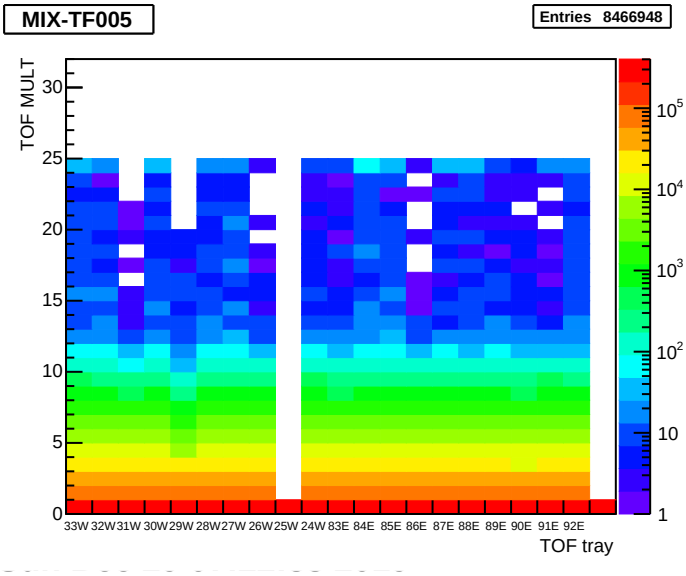

BunchId7Bit (TOFmult window)
Entries 13537
10^2
10
1
0
20
40
60
80
100
120

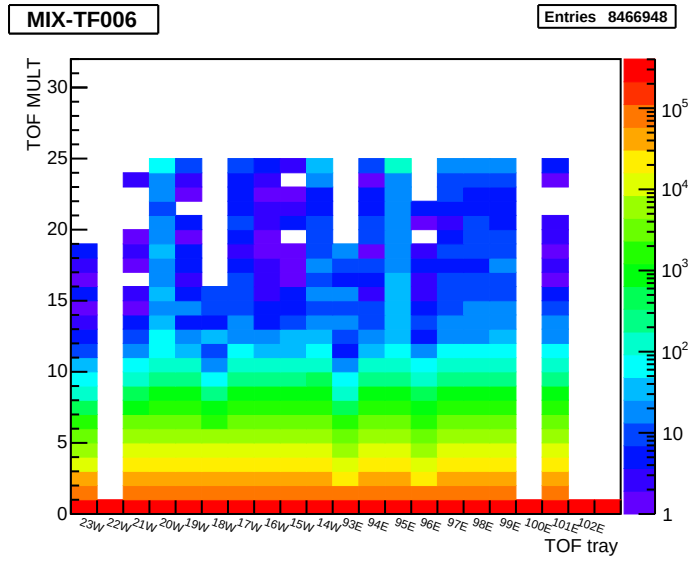

MIX-TF001
Entries 8466948
TOF MULT
TOF tray

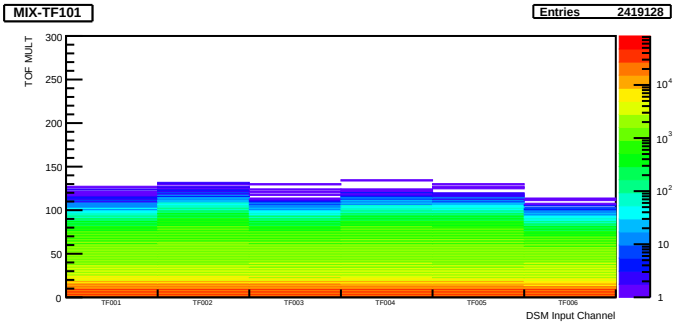

MIX-TF002
Entries 8466948
TOF MULT
TOF tray

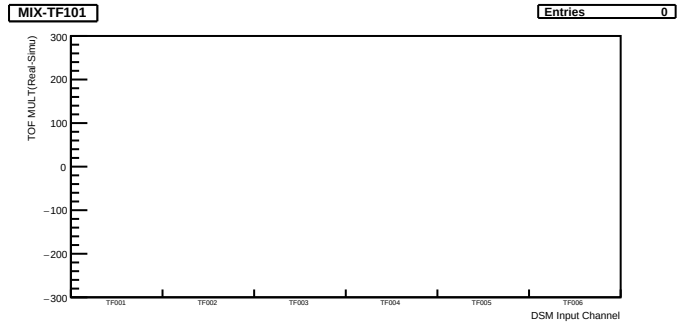

MIX-TF003
Entries 8466948
TOF MULT
TOF tray

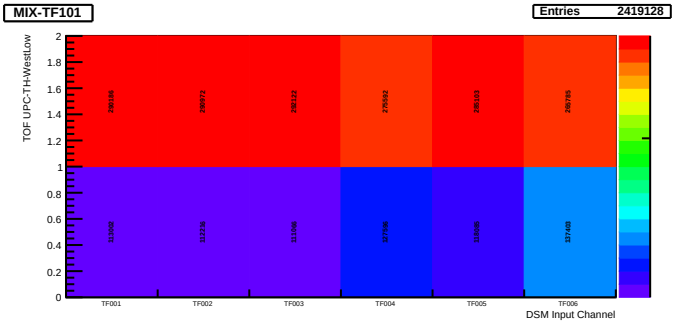

MIX-TF004
Entries 8466948
TOF MULT
TOF tray

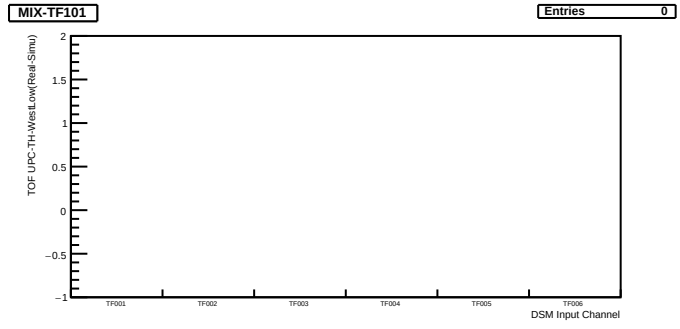

MIX-TF005
Entries 8466948
TOF MULT
TOF tray

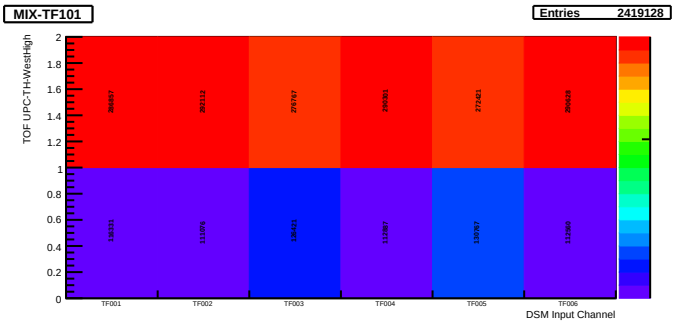

MIX-TF006
Entries 8466948
TOF MULT
TOF tray

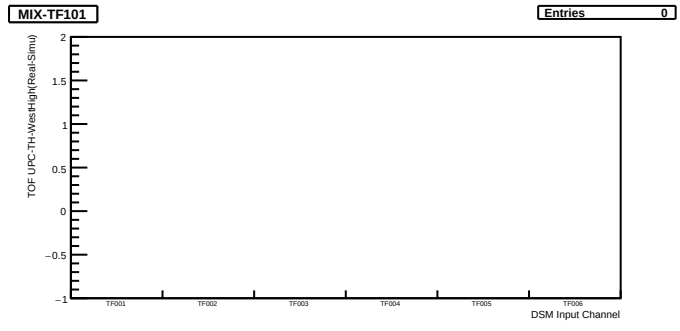

MIX-TF101
Entries 2419128
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

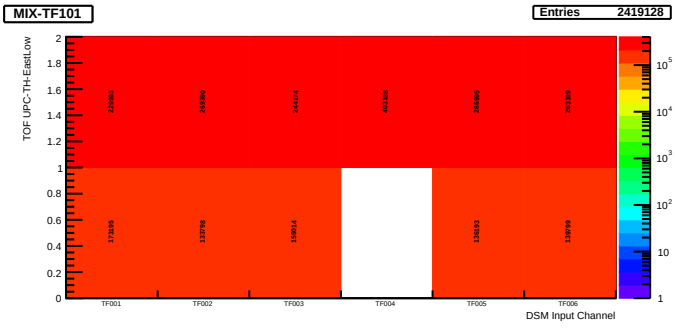

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

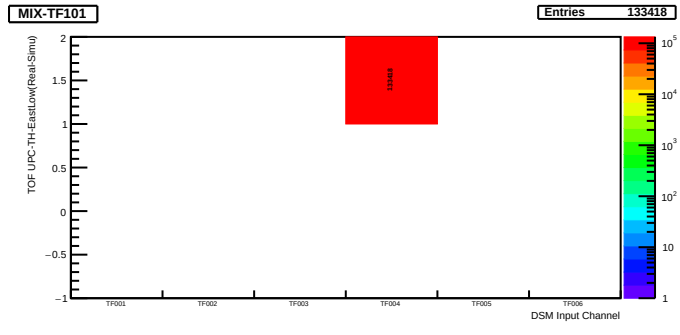

MIX-TF101
Entries 2419128
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

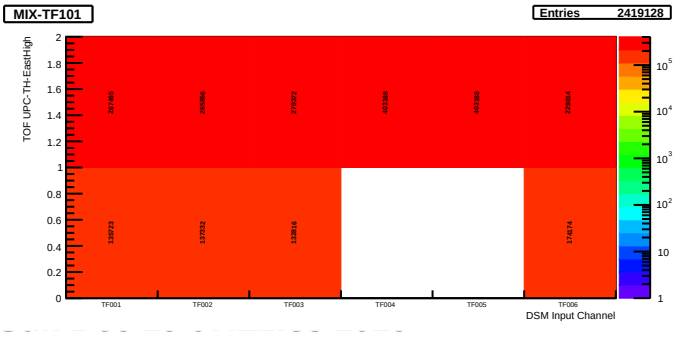

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

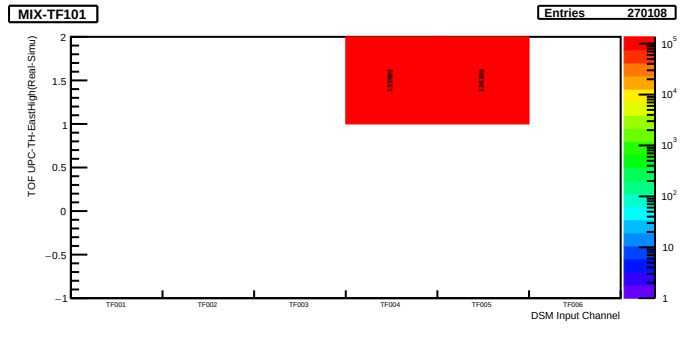

MIX-TF101
Entries 2419128
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

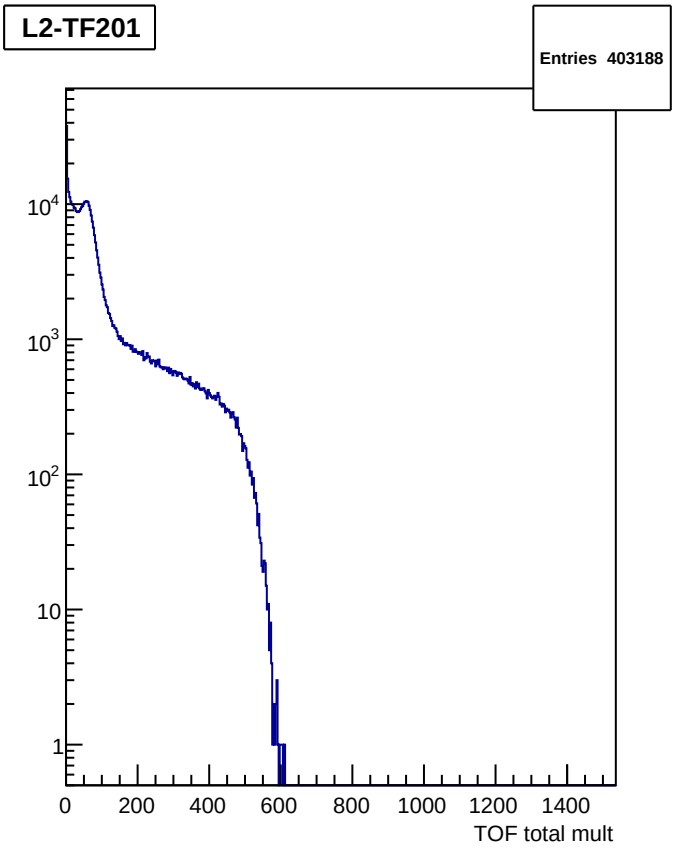

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

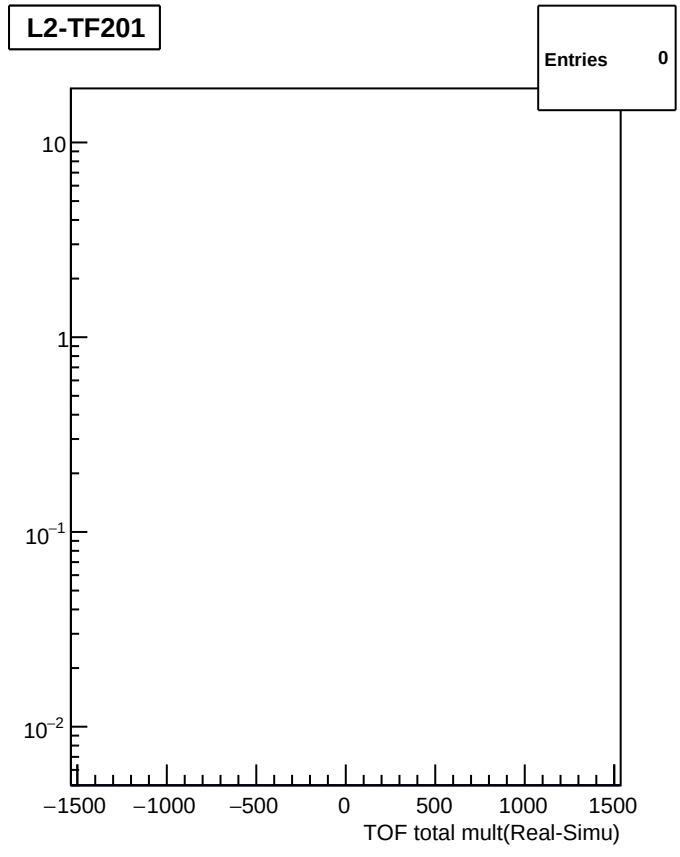

MIX-TF101
Entries 2419128
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

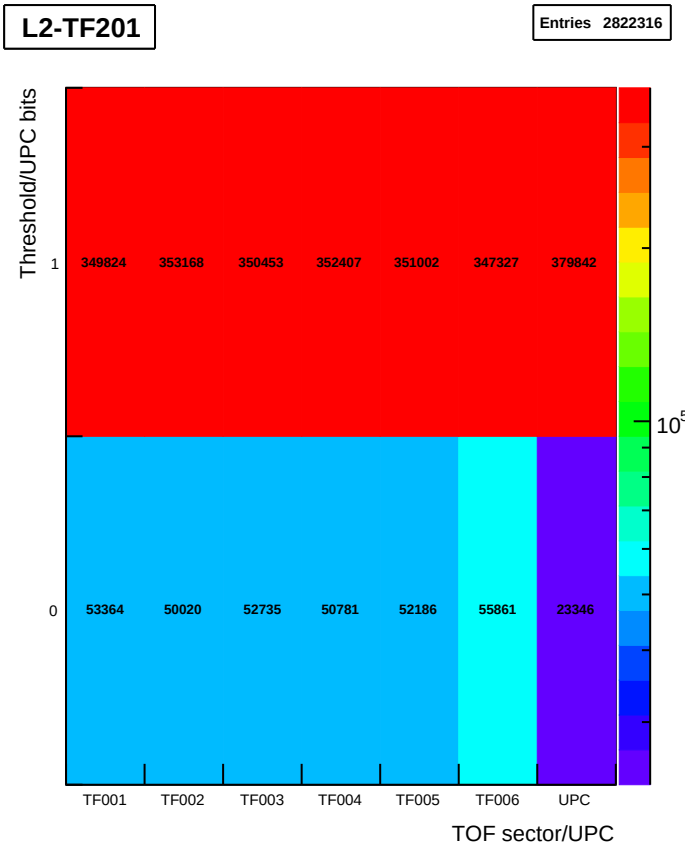

MIX-TF101
Entries 133418
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

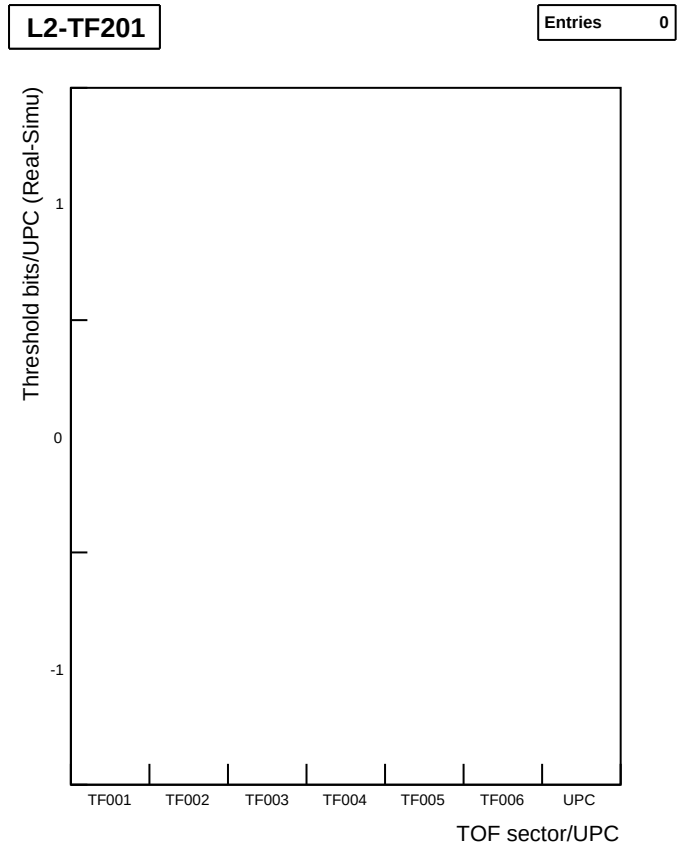

MIX-TF101
Entries 2419128
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

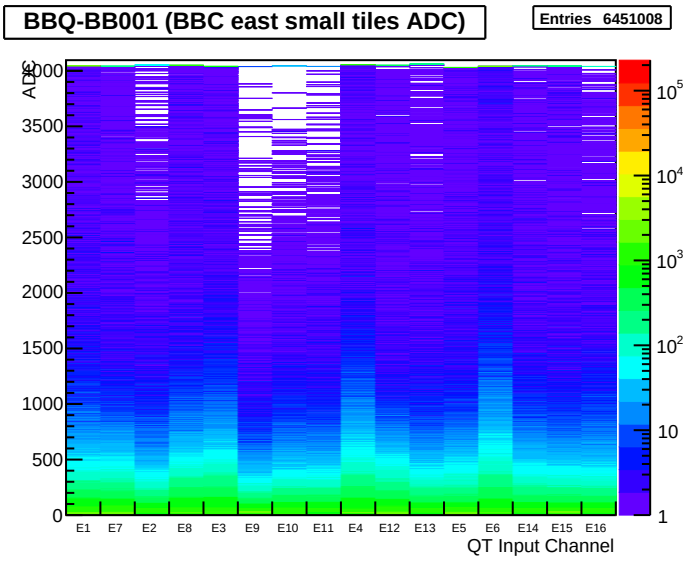

MIX-TF101
Entries 270108
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

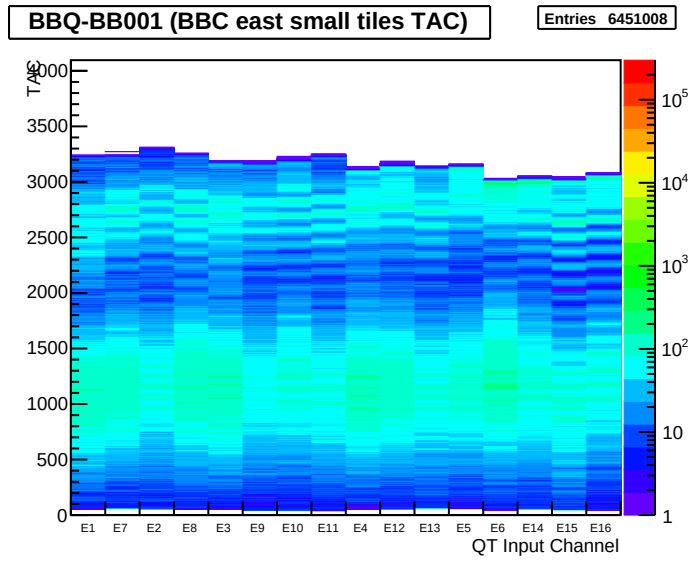

L2-TF201
Entries 403188
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

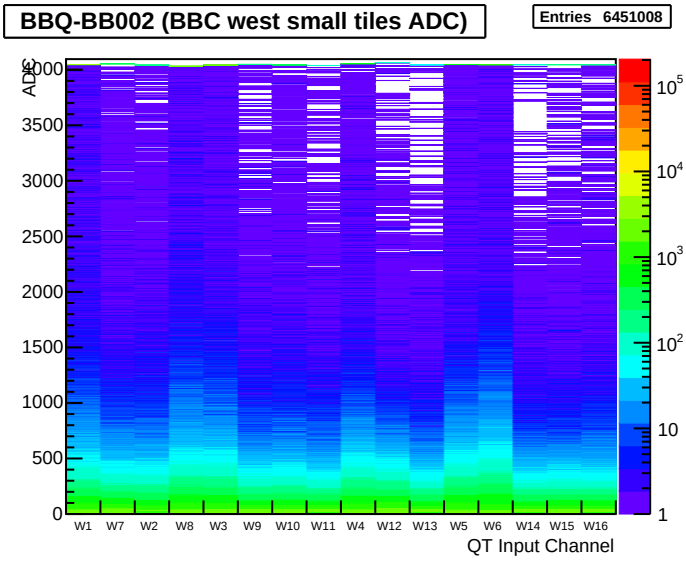

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

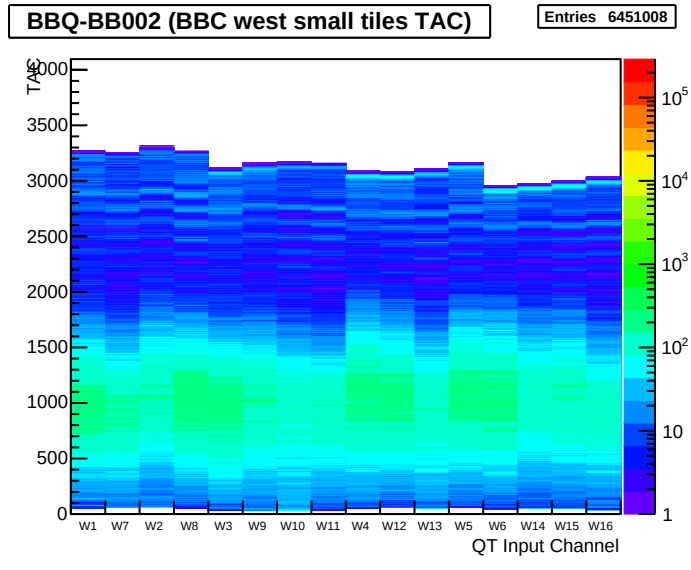

L2-TF201
Entries 2822316
Threshold/UPC bits
1
0
349824
353168
350453
352407
351002
347327
379842
53364
50020
52735
50781
52186
55861
23346
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

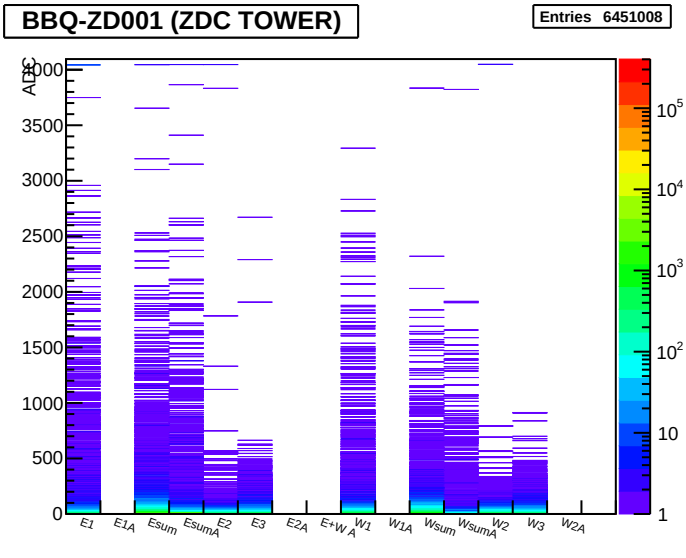

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

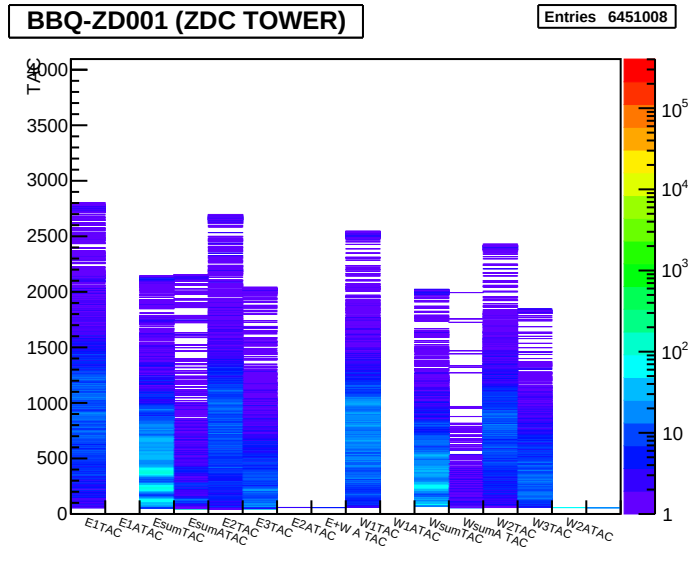

BBQ-BB001 (BBC east small tiles ADC)
Entries 6451008
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

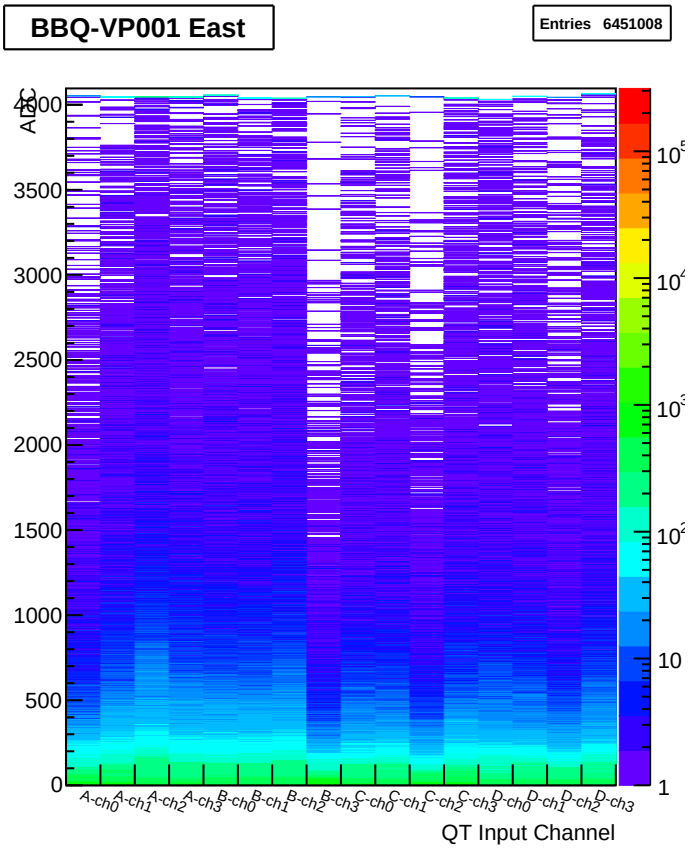

BBQ-BB001 (BBC east small tiles TAC)
Entries 6451008
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

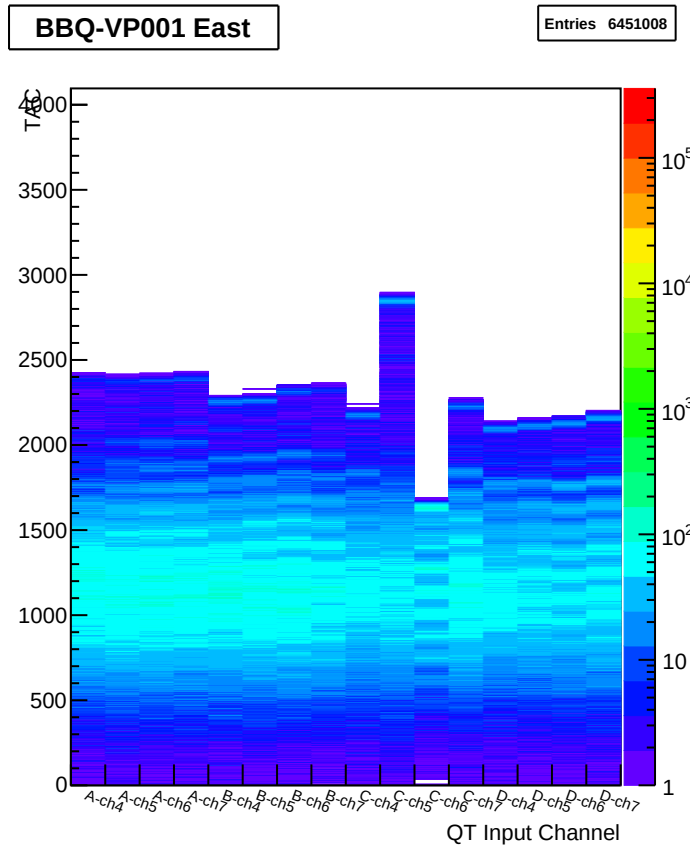

BBQ-BB002 (BBC west small tiles ADC)
Entries 6451008
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

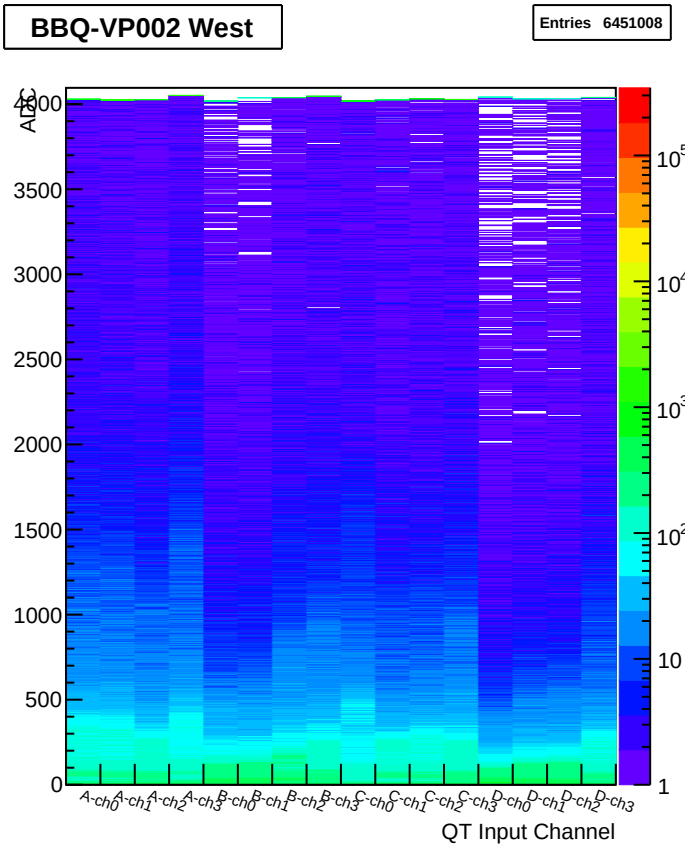

BBQ-BB002 (BBC west small tiles TAC)
Entries 6451008
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

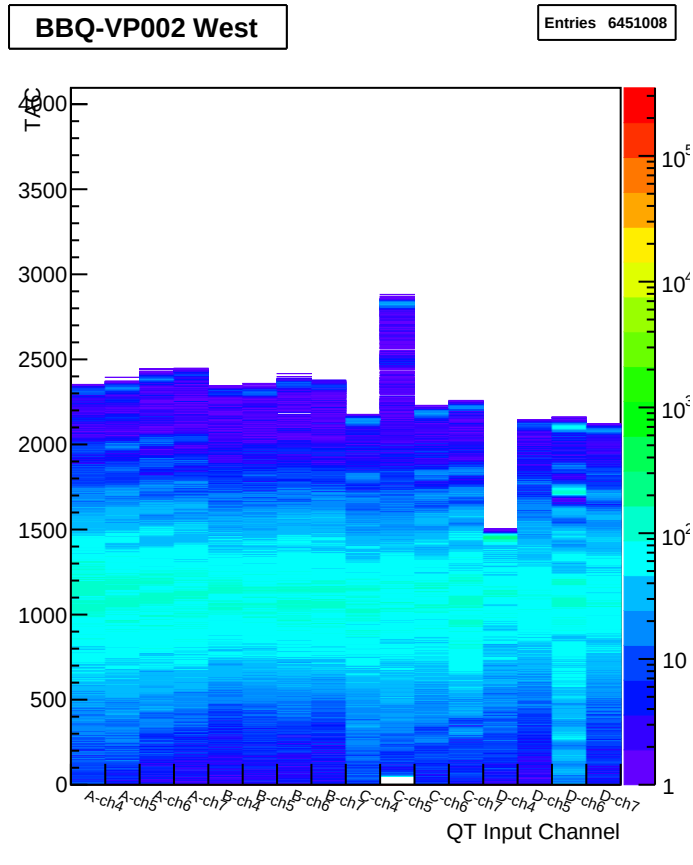

BBQ-ZD001 (ZDC TOWER)
Entries 6451008
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

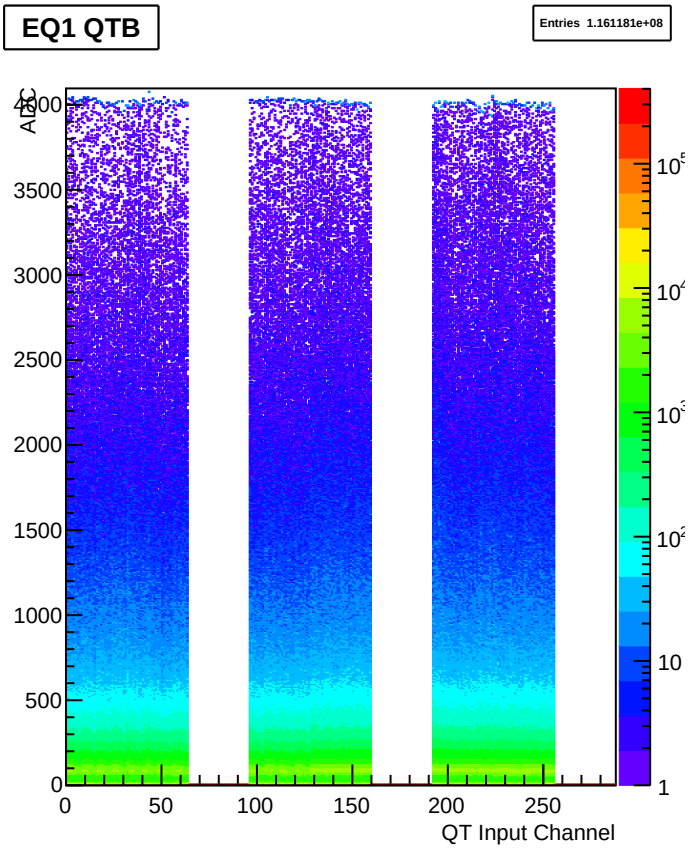

BBQ-ZD001 (ZDC TOWER)
Entries 6451008
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

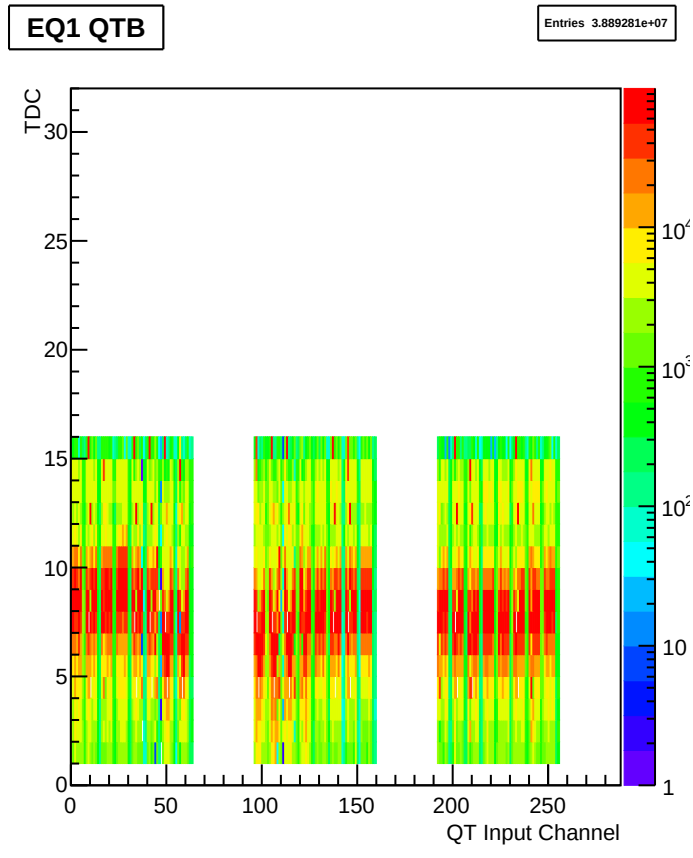

BBQ-VP001 East
Entries 6451008
ADC
QT Input Channel

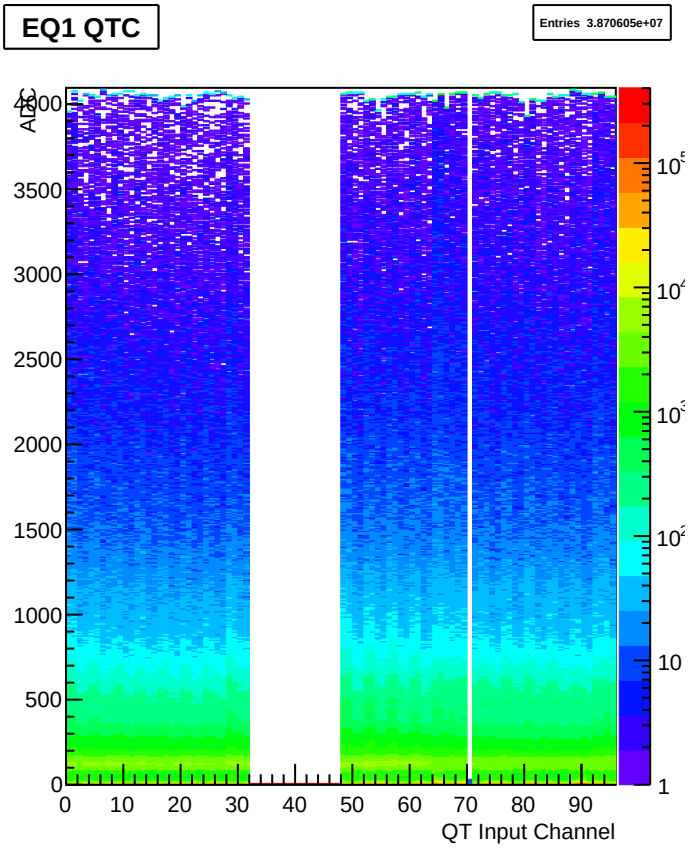

BBQ-VP001 East
Entries 6451008
ADC
QT Input Channel

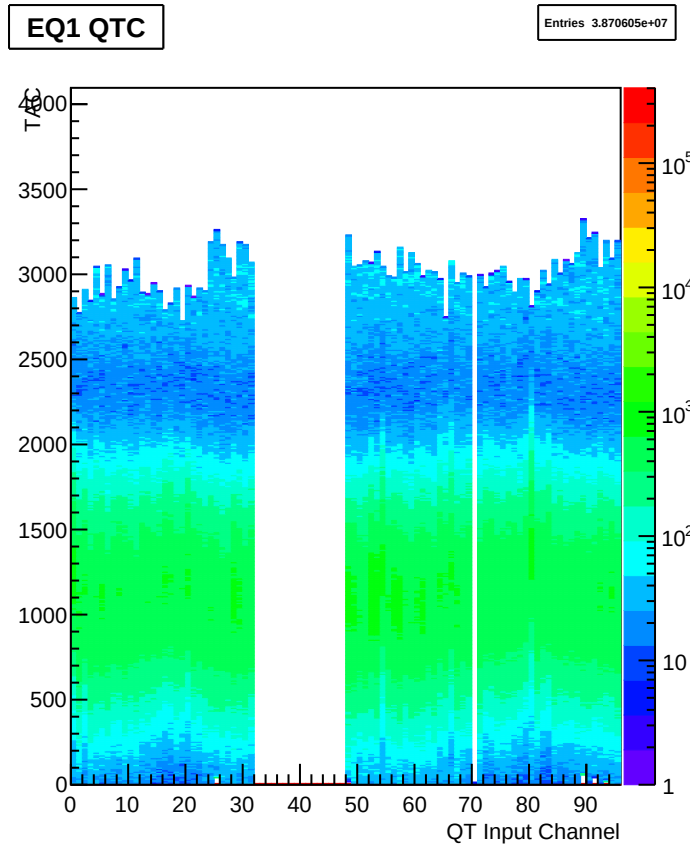

BBQ-VP002 West
Entries 6451008
ADC
QT Input Channel

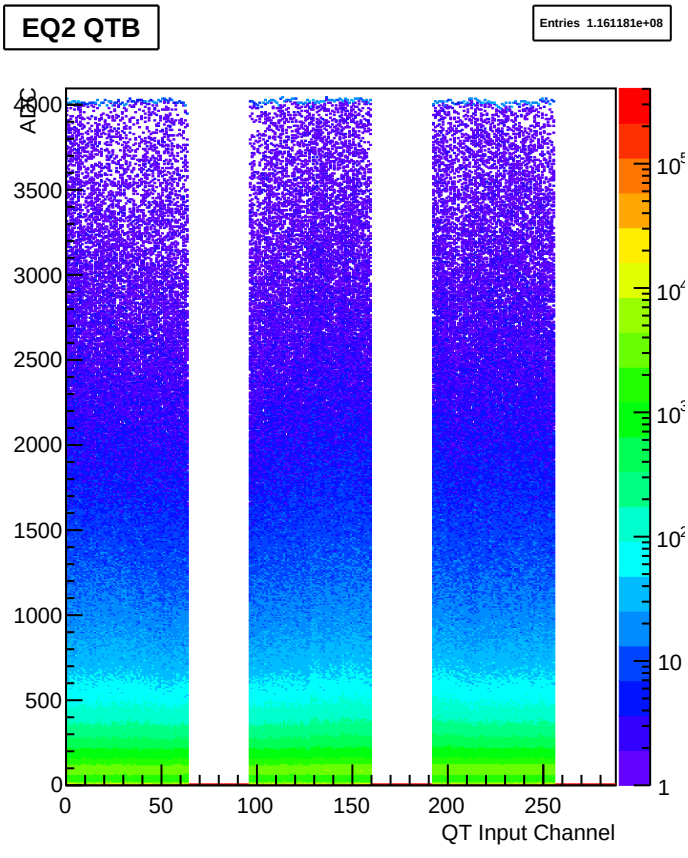

BBQ-VP002 West
Entries 6451008
ADC
QT Input Channel

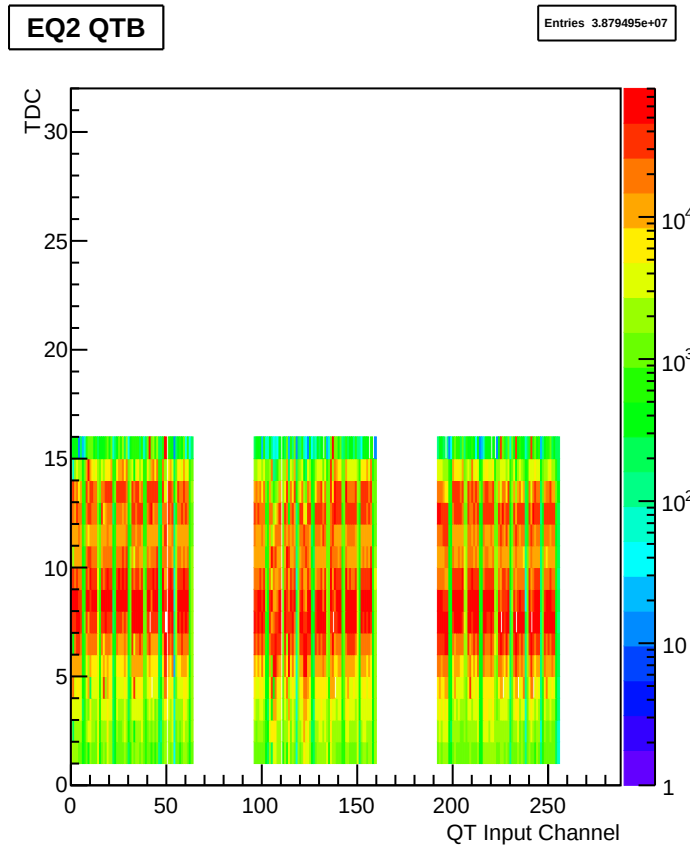

EQ1 QTB
Entries 1.161181e+08
ADC
QT Input Channel

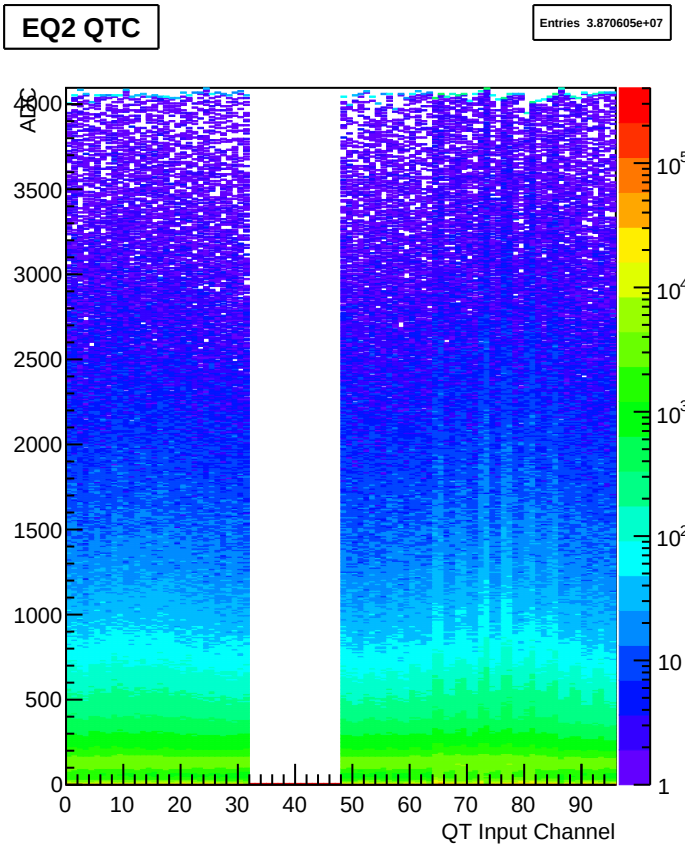

EQ1 QTB
Entries 3.889281e+07
TDC
QT Input Channel

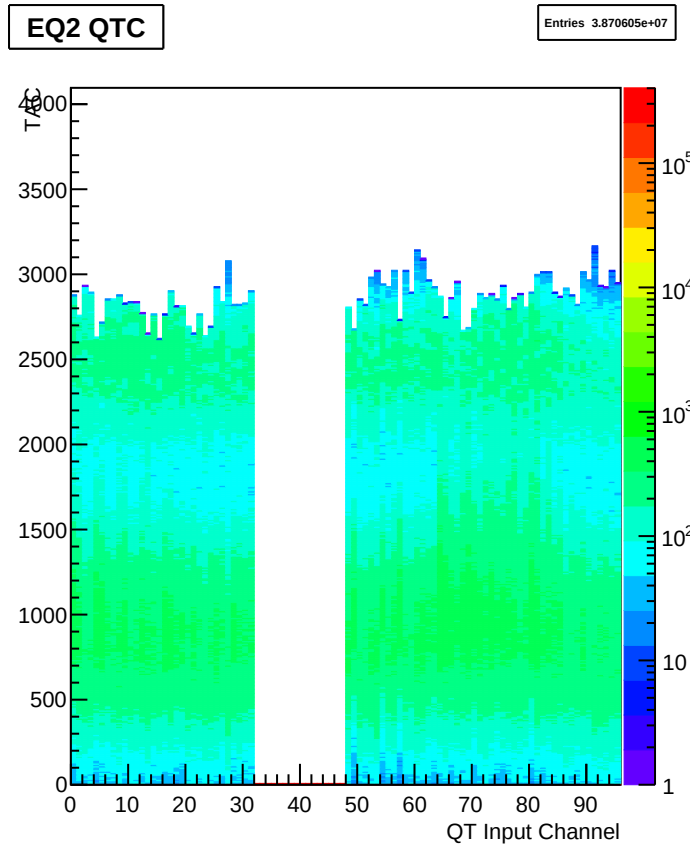

EQ1 QTC
Entries 3.870605e+07
ADC
QT Input Channel

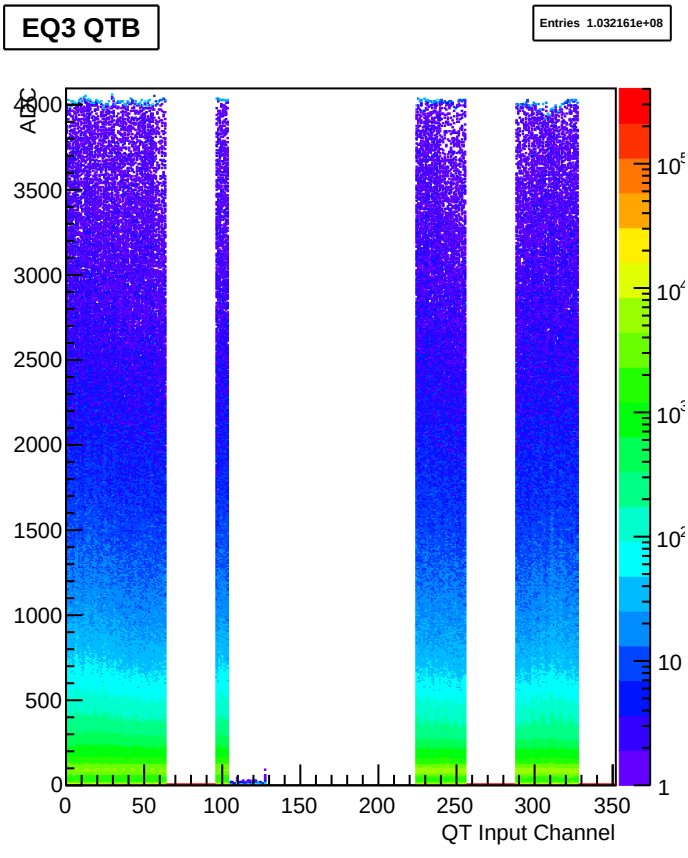

EQ1 QTC
Entries 3.870605e+07
TADC
QT Input Channel

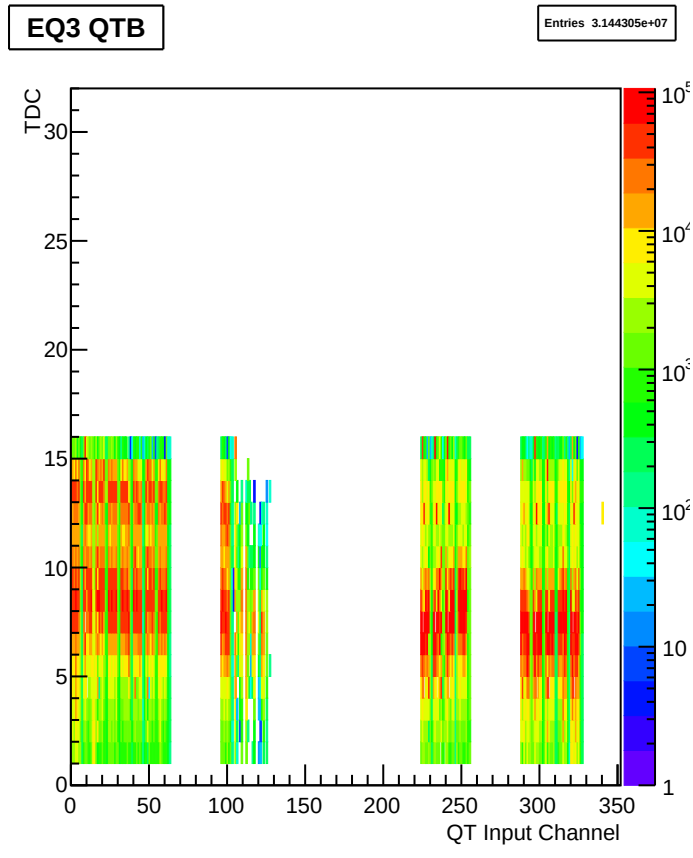

EQ2 QTB
Entries 1.161181e+08
ADC
QT Input Channel

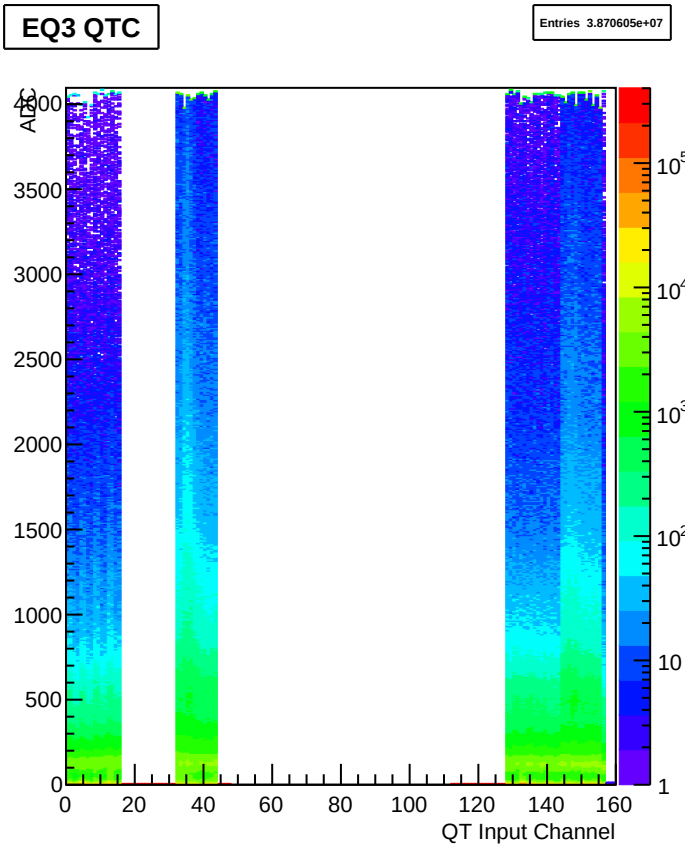

EQ2 QTB
Entries 3.879495e+07
TDC
QT Input Channel

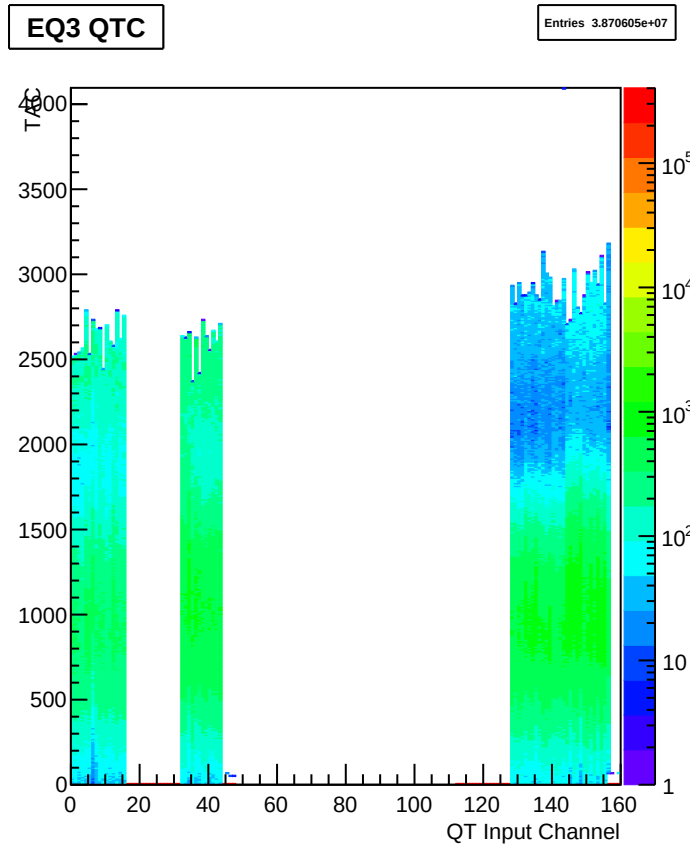

EQ2 QTC
Entries 3.870605e+07
ADC
QT Input Channel

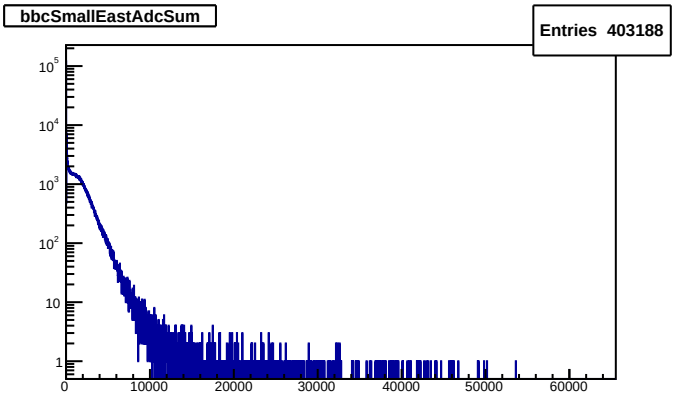

EQ2 QTC
Entries 3.870605e+07
TADC
QT Input Channel

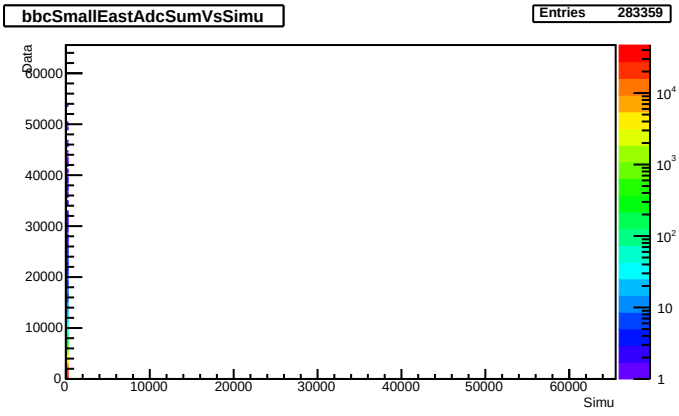

EQ3 QTB
Entries 1.032161e+08
ADC
QT Input Channel

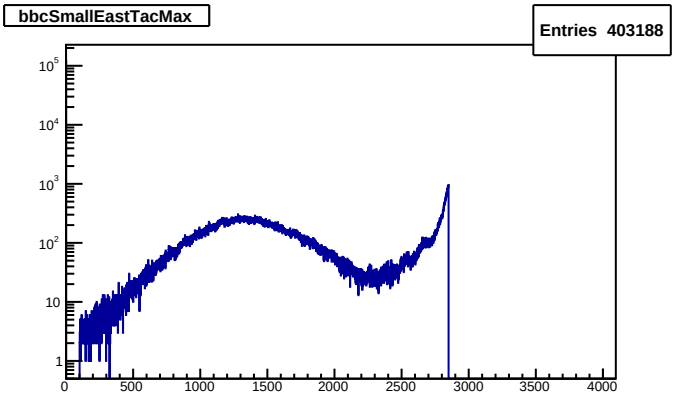

EQ3 QTB
Entries 3.144305e+07
TDC
QT Input Channel

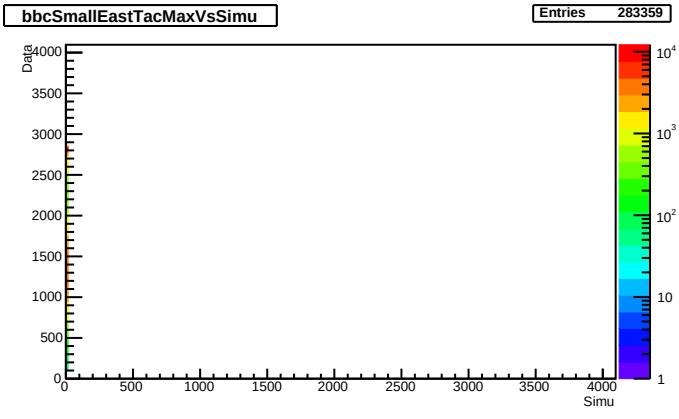

EQ3 QTC
Entries 3.870605e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.870605e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 403188


bbcSmallEastAdcSumVsSimu
Entries 283359
Data
Simu


bbcSmallEastTacMax
Entries 403188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Entries 283359
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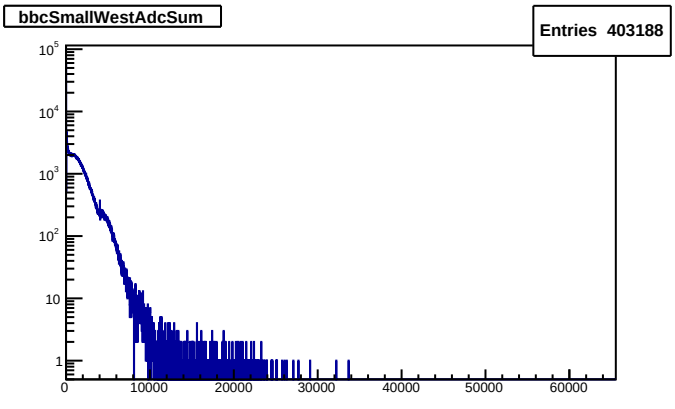
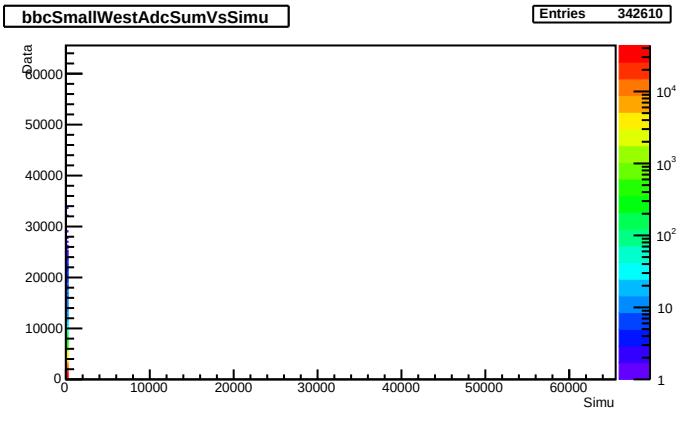

bbcSmallWestAdcSum
Entries 403188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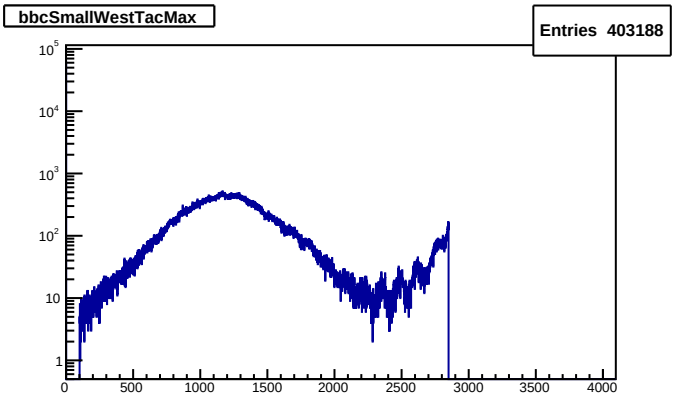
Entries 342610
Data
Simu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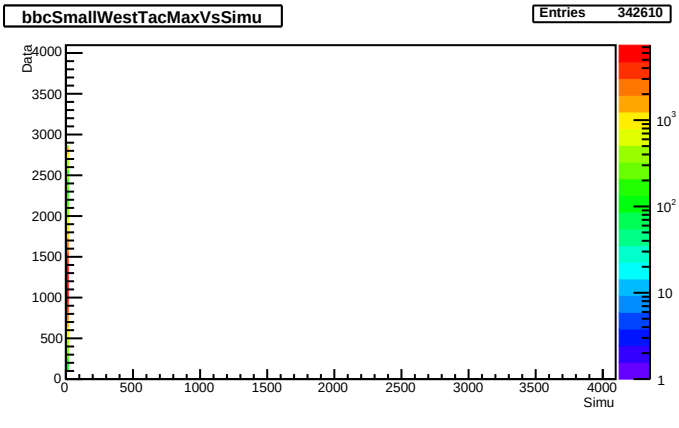
Entries 403188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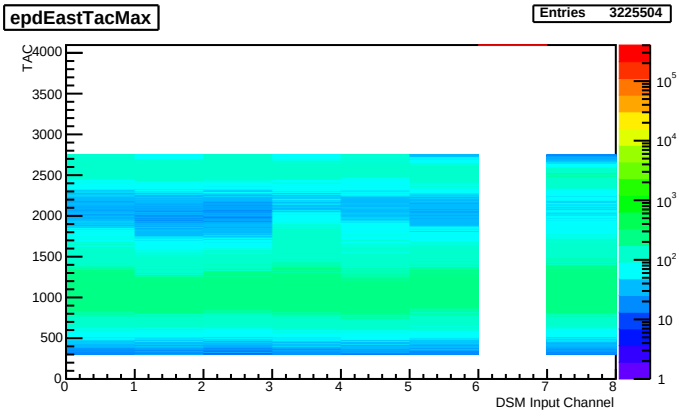
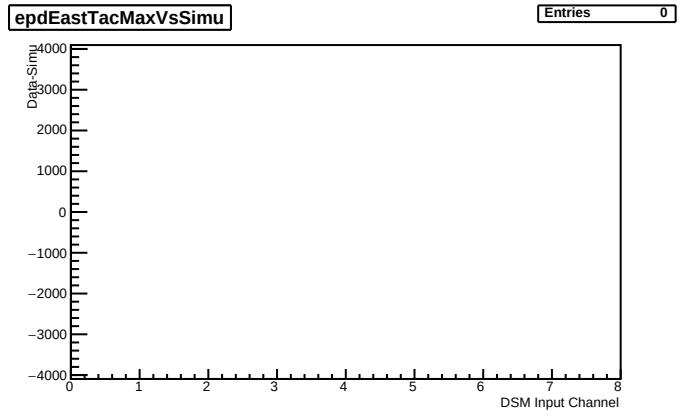
Entries 342610
Data
Simu


epdEastTacMax
Entries 3225504
TAC
DSM Input Channel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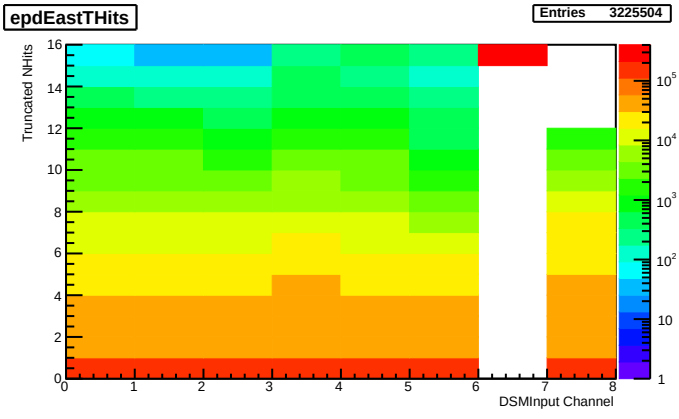
Entries 0
Data-Simu
DSM Input Channel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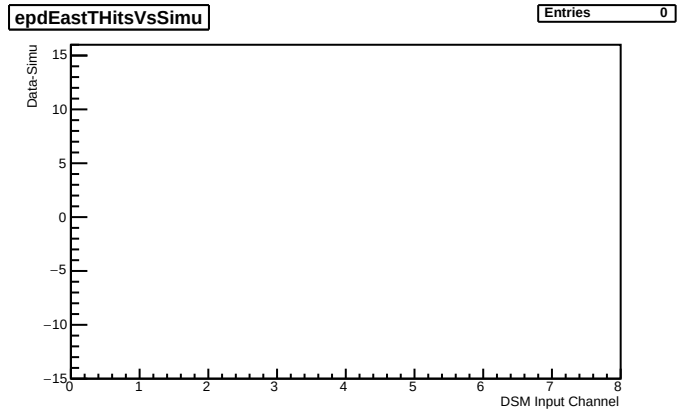
Entries 3225504
Truncated NHits
DSMInput Channel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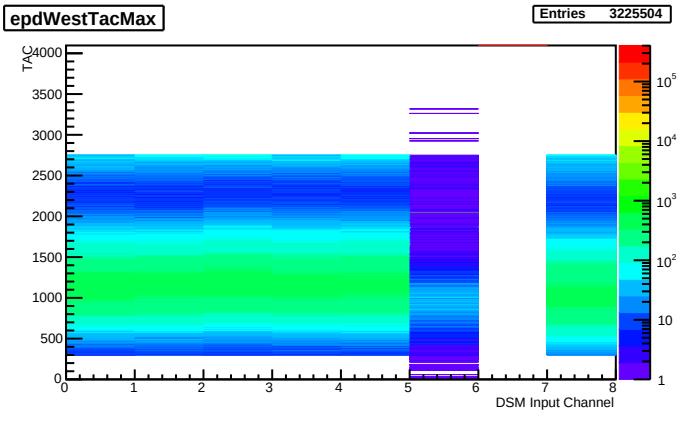
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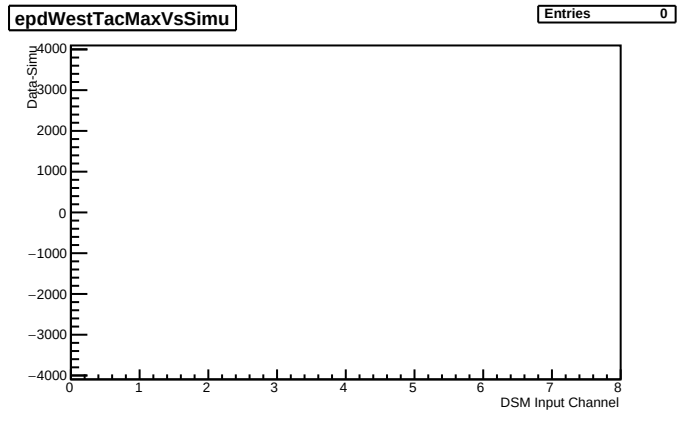
DSM Input Channel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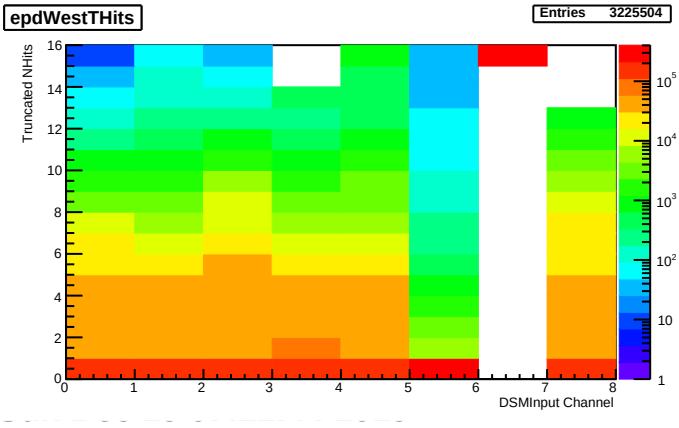
Data-Simu
DSM Input Channel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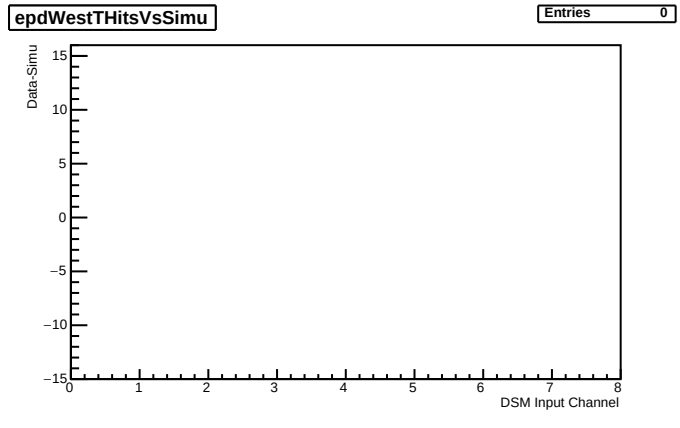
Entries 3225504
Truncated NHits
DSMInput Channel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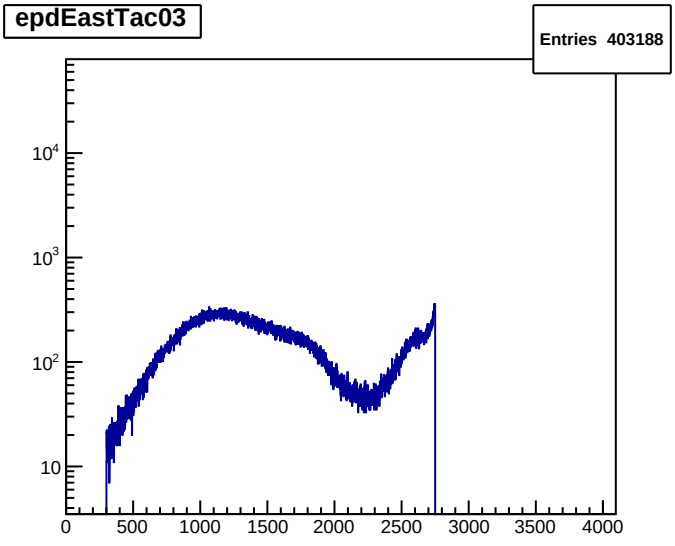
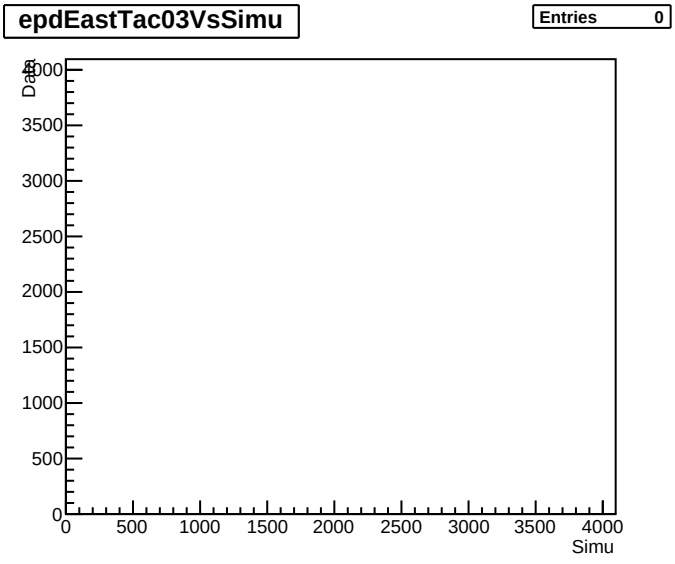
DSM Input Channel


epdEastTac03
Entries 403188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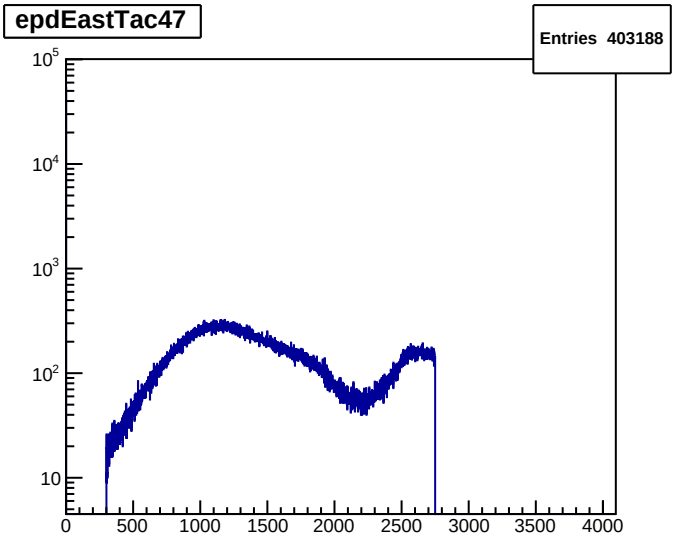
Entries 0
Data
Simu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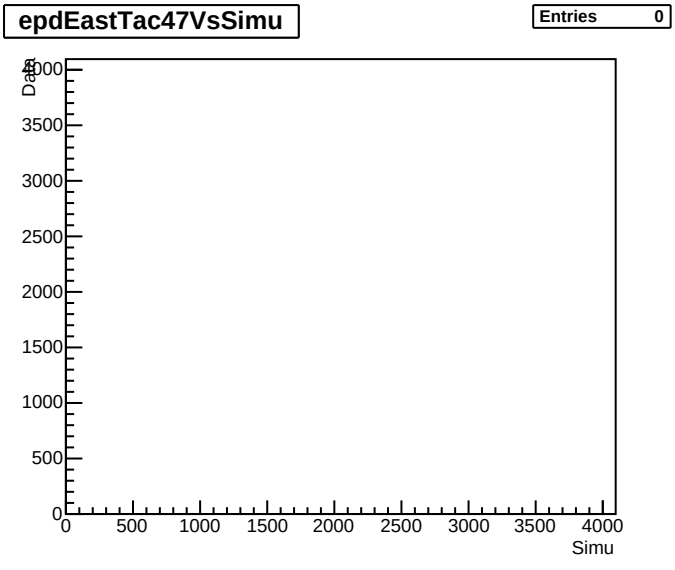
Entries 403188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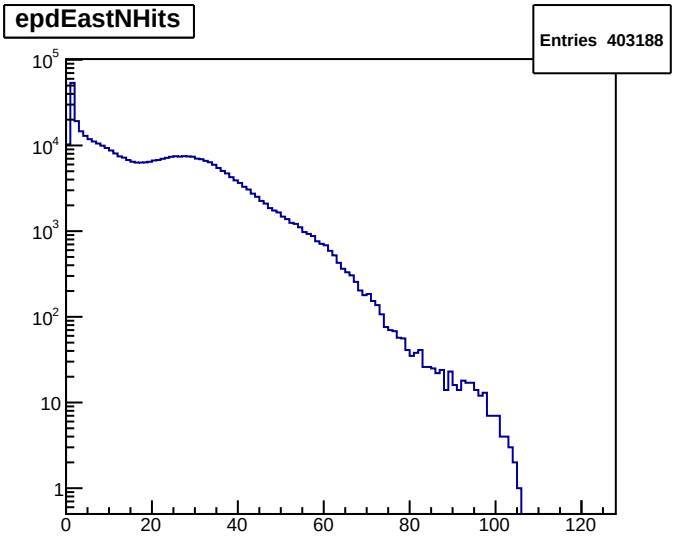
Entries 0
Data
Simu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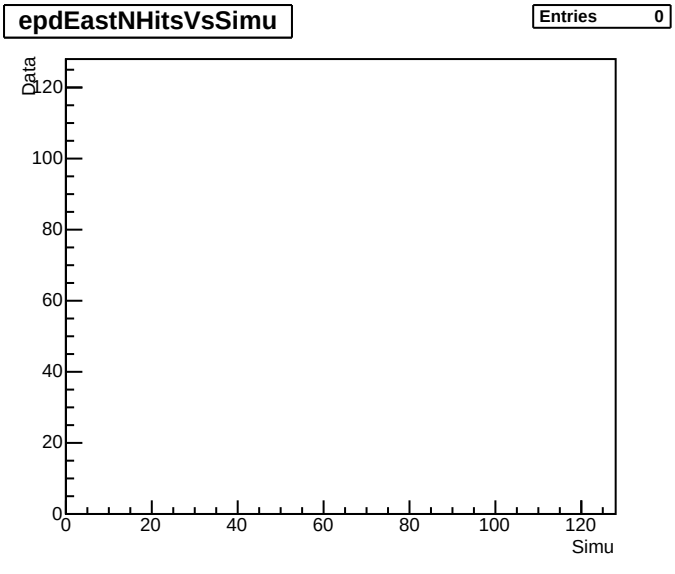
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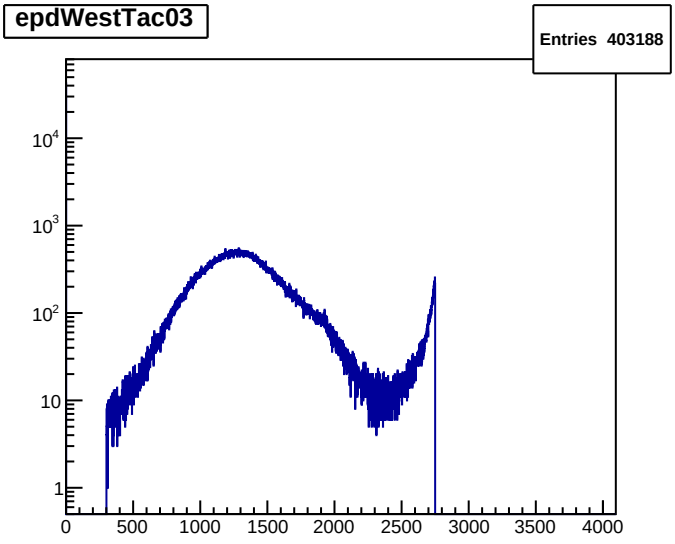
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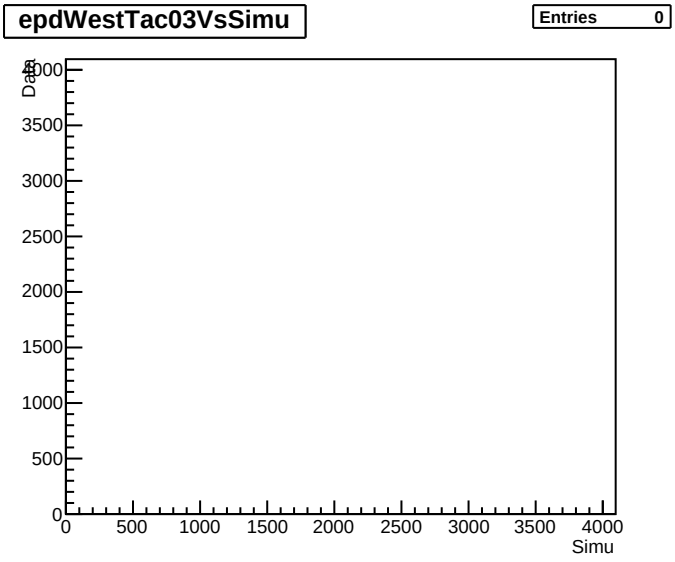
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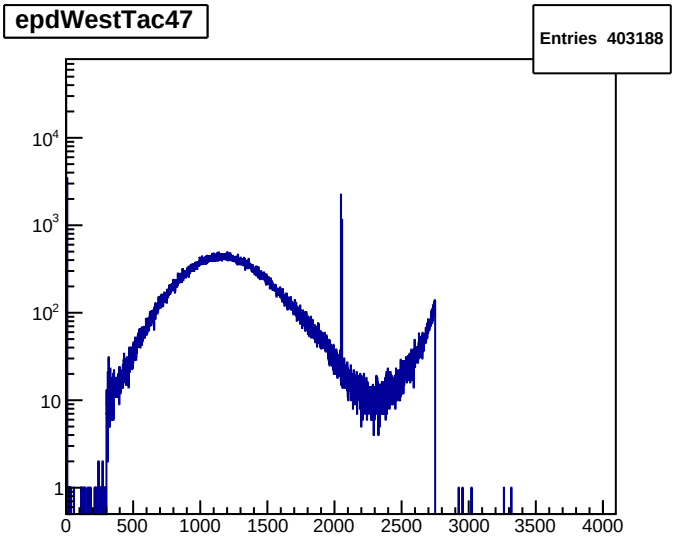
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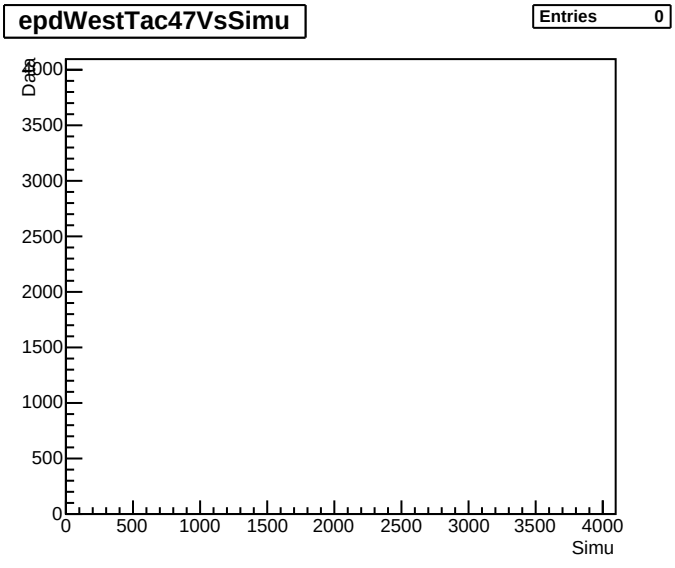
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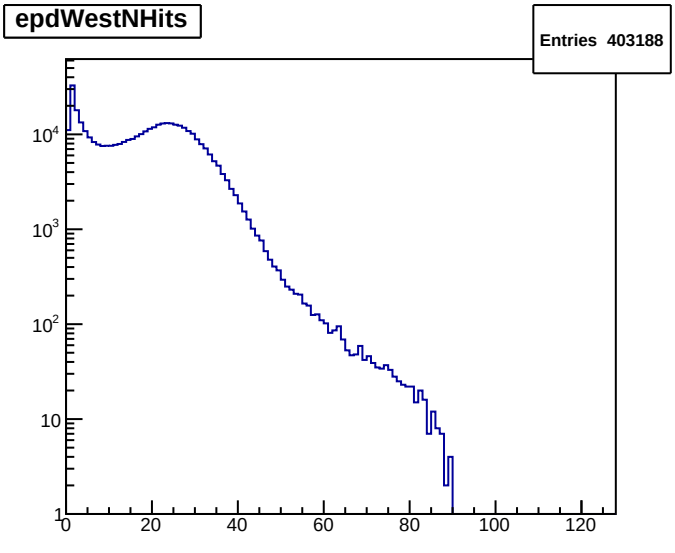
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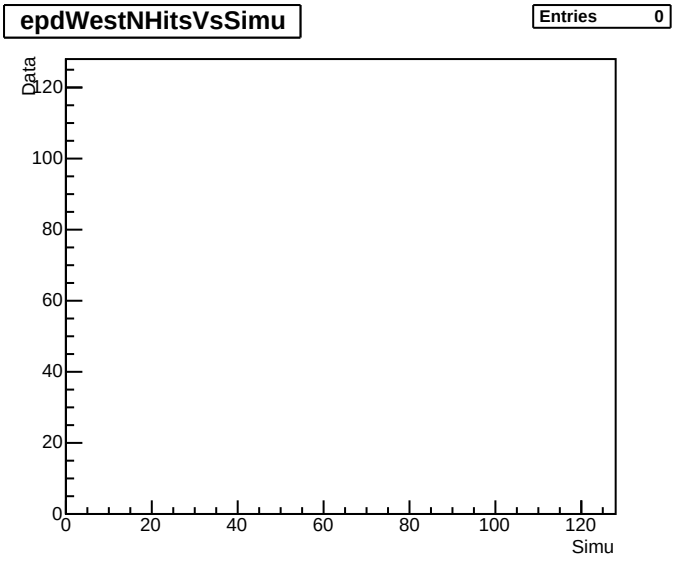
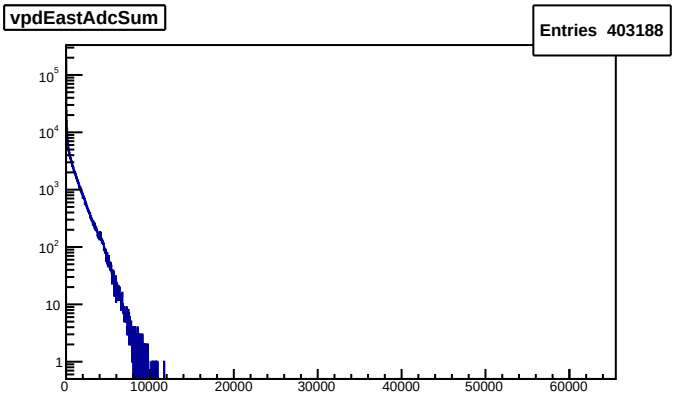
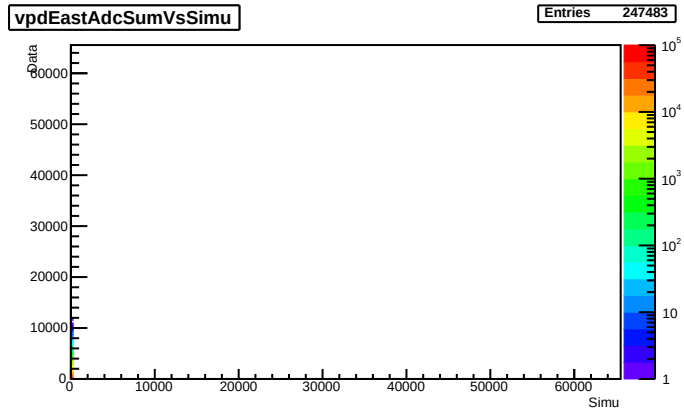
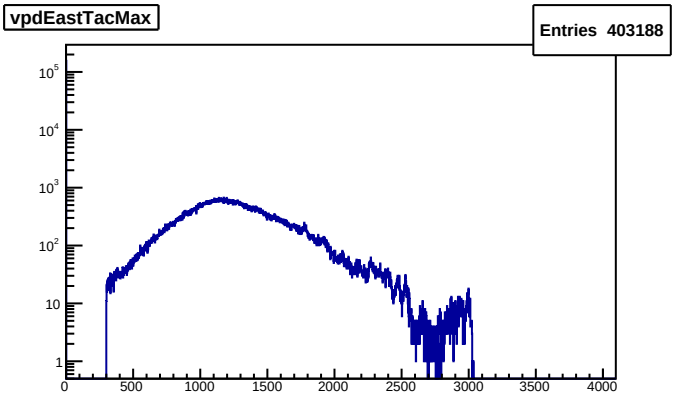
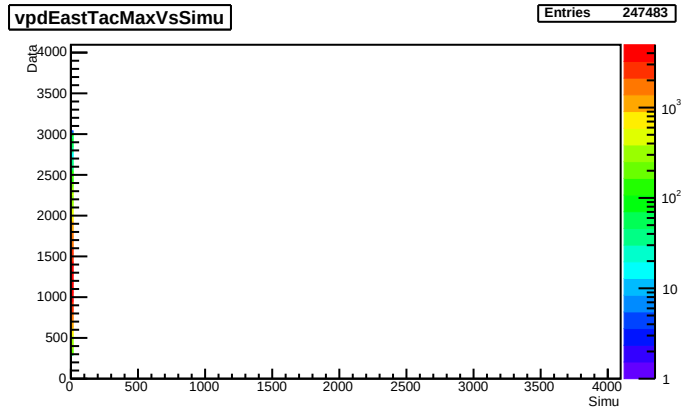
Entries 403188

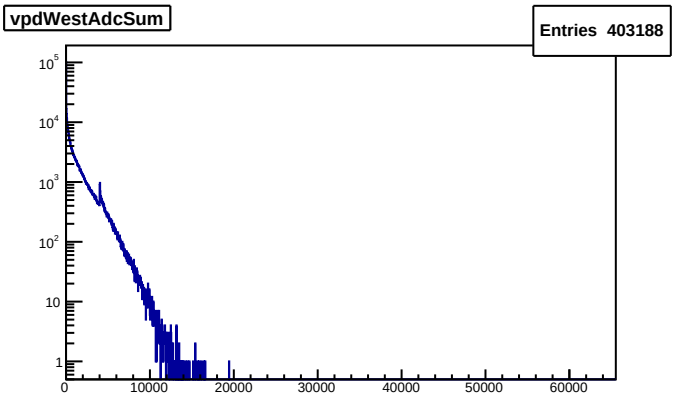

epdWestNHitsVsSimu
Entries 0
Data
Simu

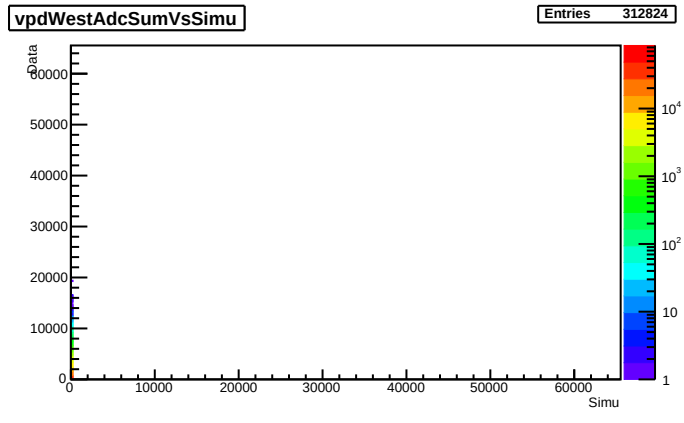

vpdEastAdcSum
Entries 403188


vpdEastAdcSumVsSimu
Entries 247483
Data
Simu


vpdEastTacMax
Entries 403188


vpdEastTacMaxVsSimu
Entries 247483
Data
Simu


vpdWestAdcSum
Entries 403188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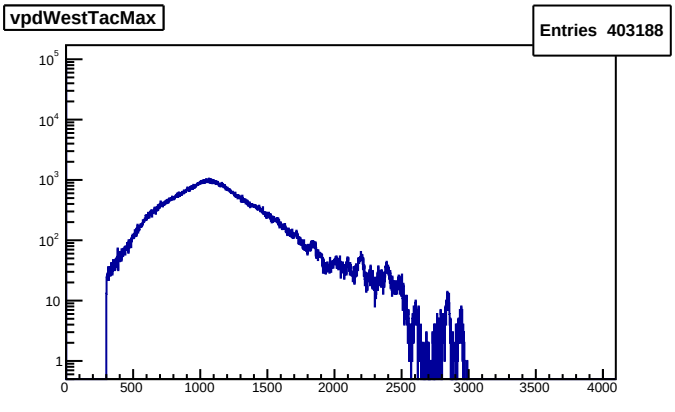
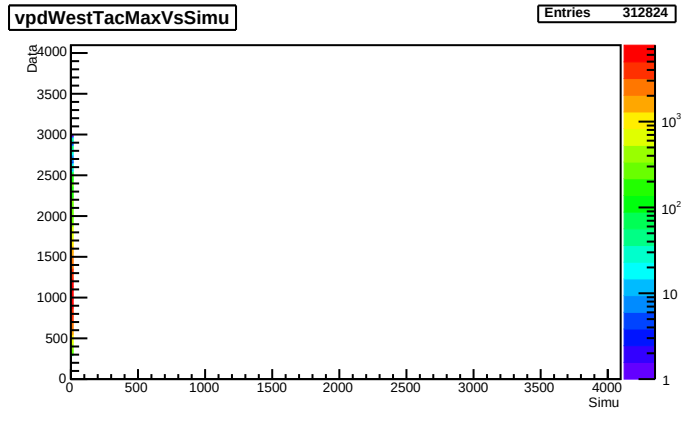
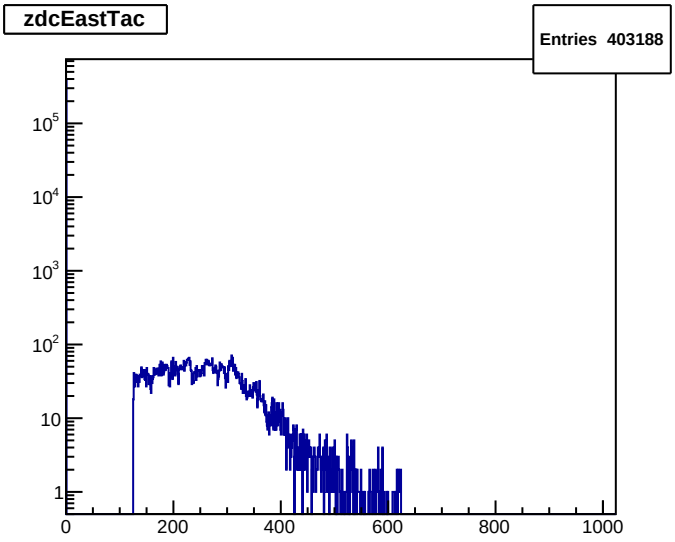
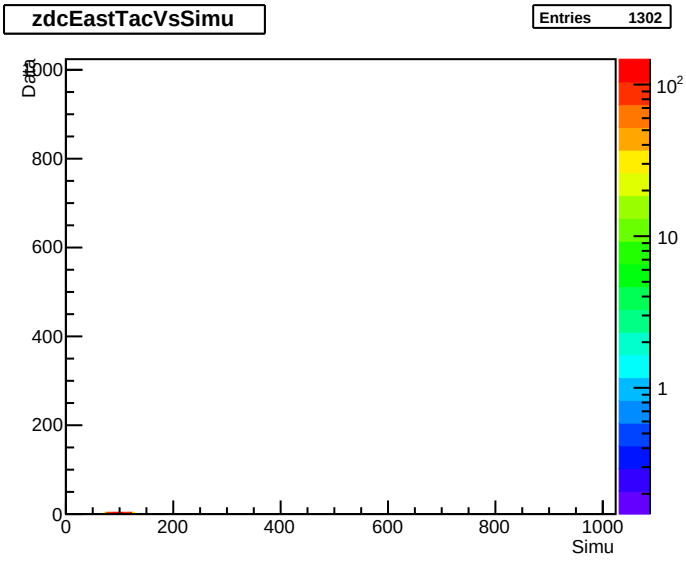
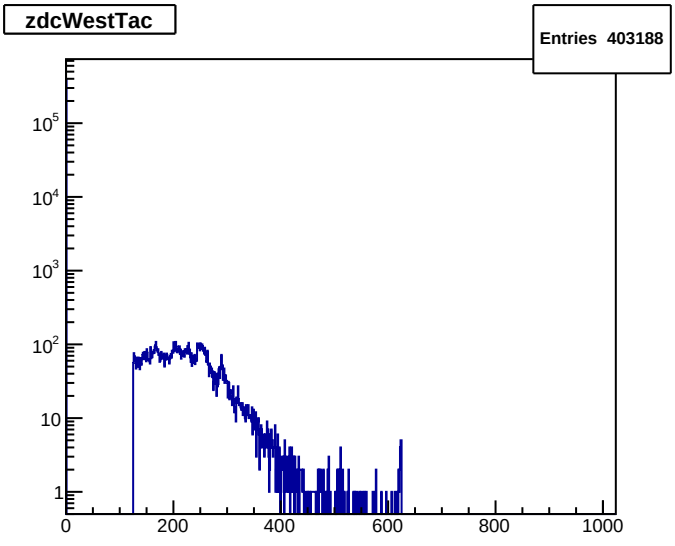
Entries 312824
Data
Simu

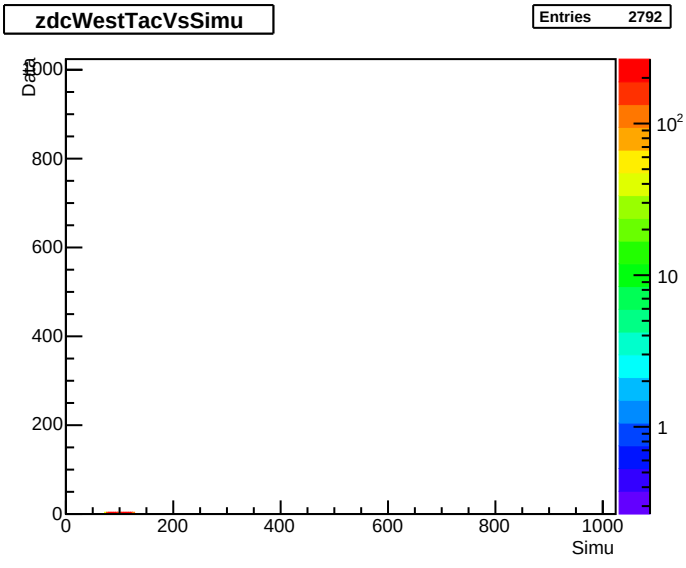

vpdWestTacMax
Entries 403188

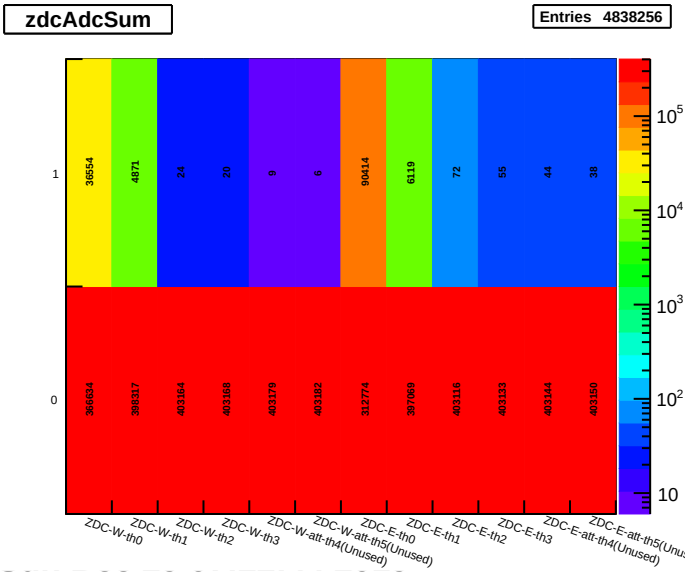

vpdWestTacMaxVsSimu
Entries 312824
Data
Simu

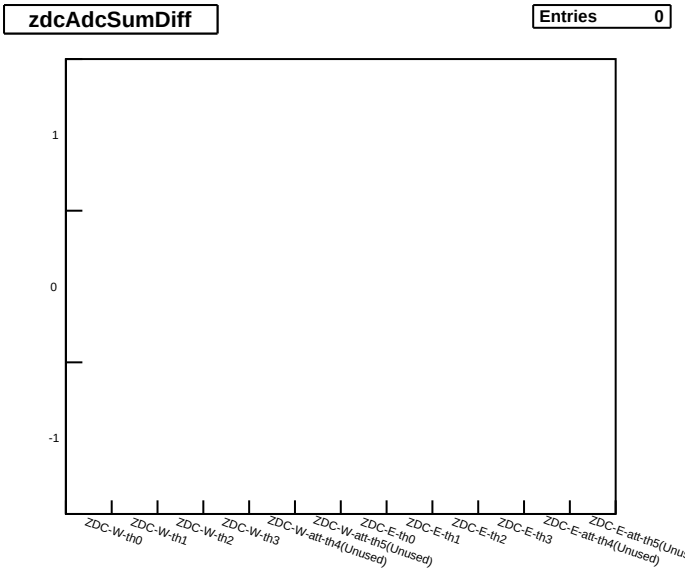

zdcEastTac
Entries 403188


zdcEastTacVsSimu
Entries 1302
Data
Simu


zdcWestTac
Entries 403188


zdcWestTacVsSimu
Entries 2792
Data
Simu


zdcAdcSum
Entries 4838256
36554
4871
24
20
9
6
90414
6119
72
55
44
38
366634
398317
403164
403168
403179
403182
312774
397669
403116
403133
403144
403150
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
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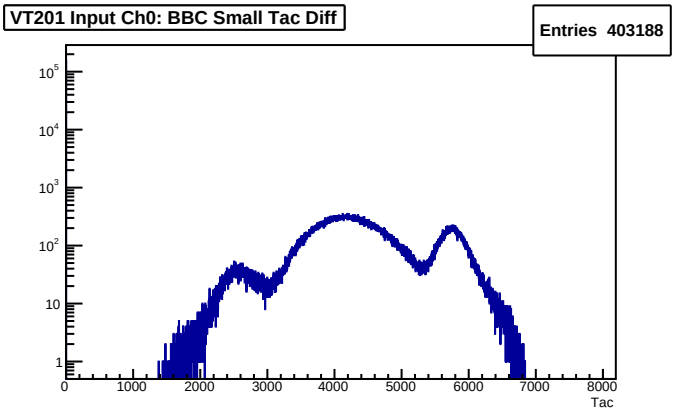
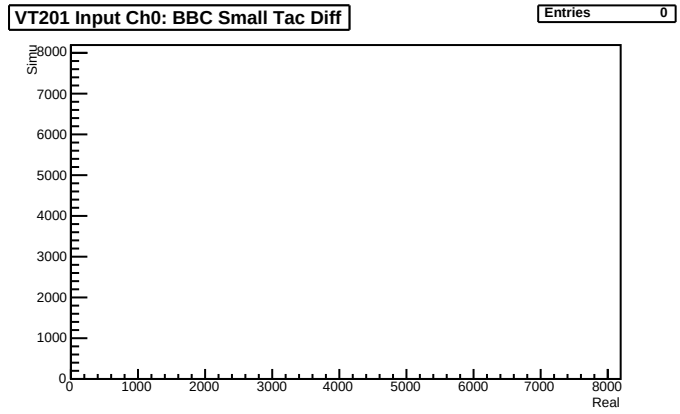
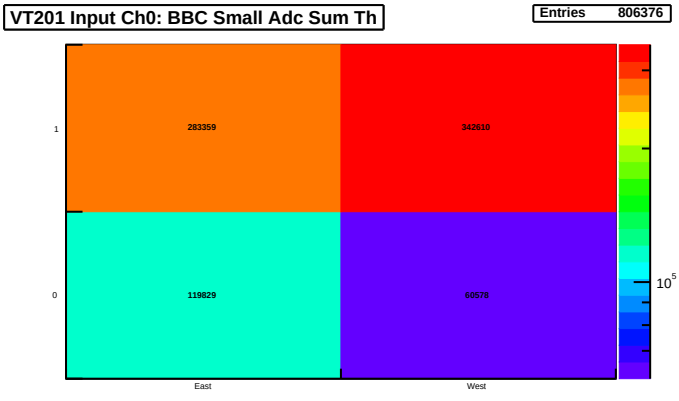
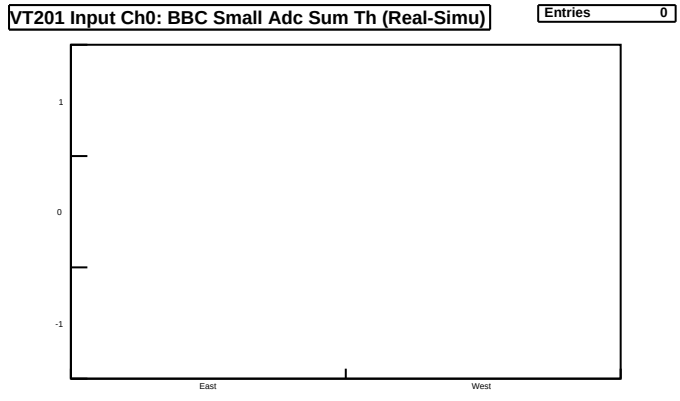
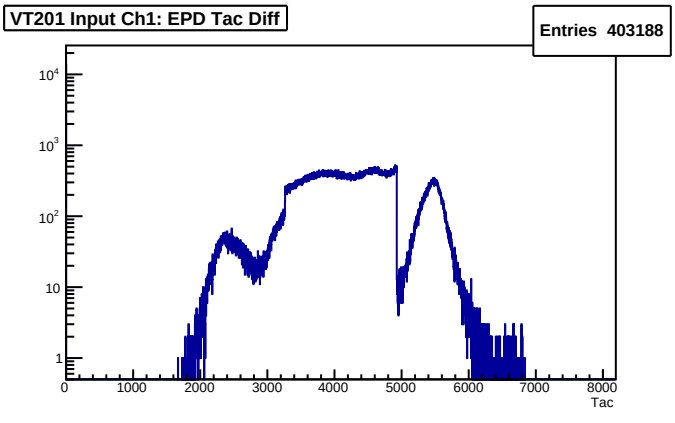
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

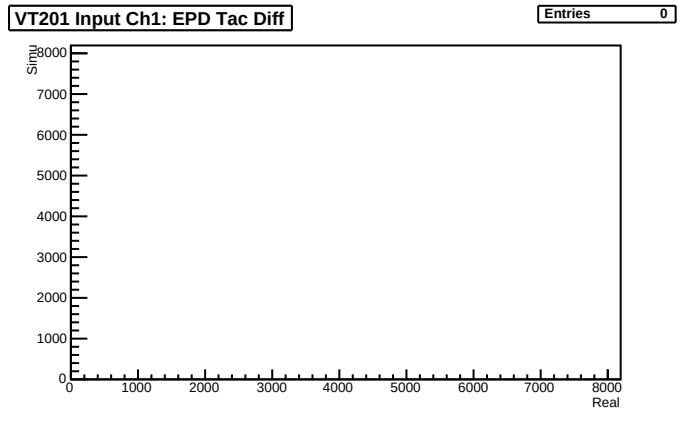

VT201 Input Ch0: BBC Small Tac Diff
Entries 403188
Tac

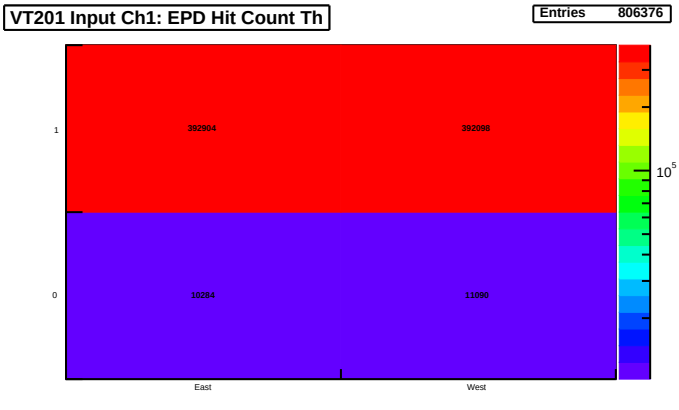

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

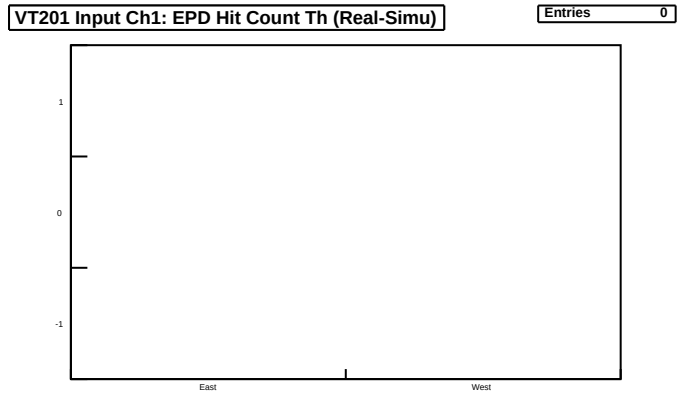

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 806376
283359
342610
119829
60578
East
West

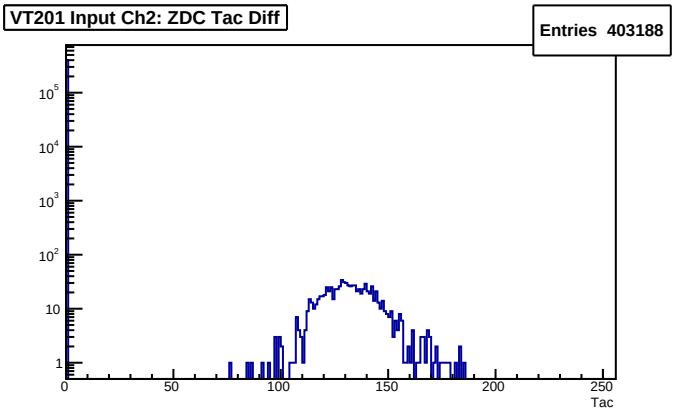

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

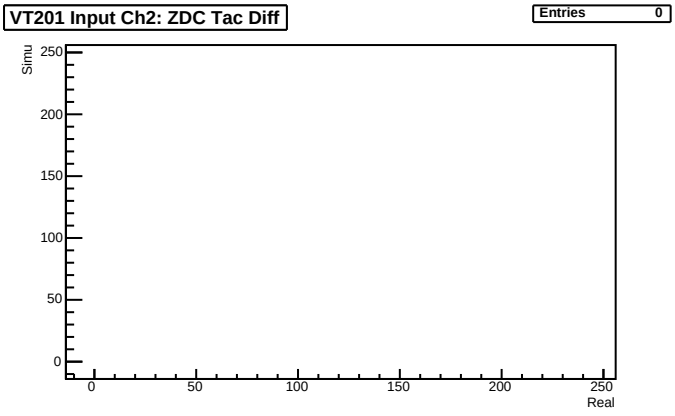

VT201 Input Ch1: EPD Tac Diff
Entries 403188
Tac

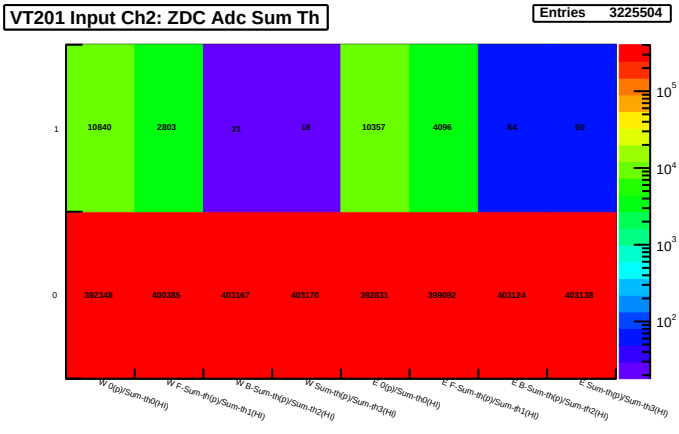

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

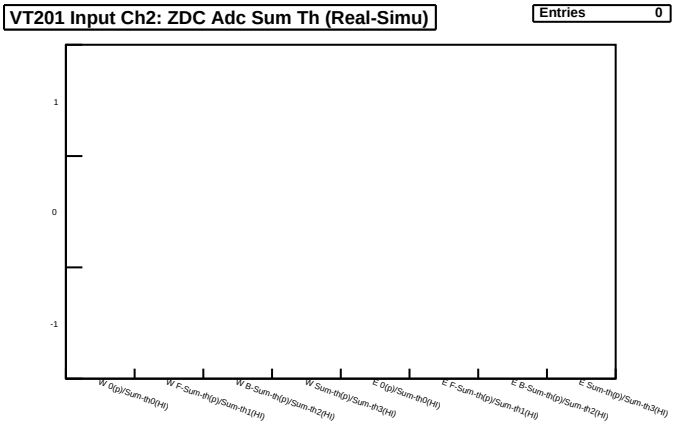

VT201 Input Ch1: EPD Hit Count Th
Entries 806376
392904
392098
10284
11090
East
West

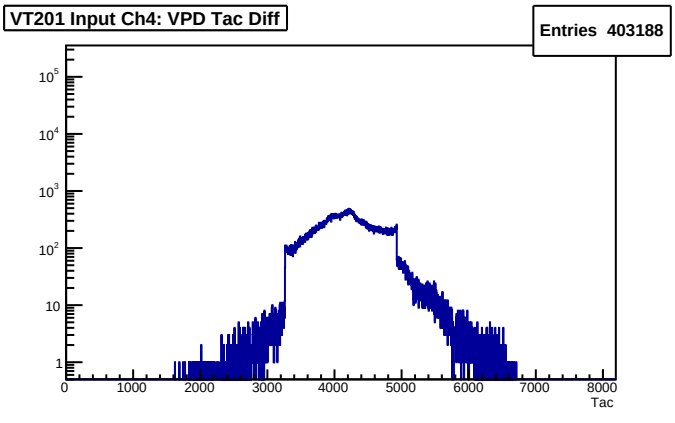

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

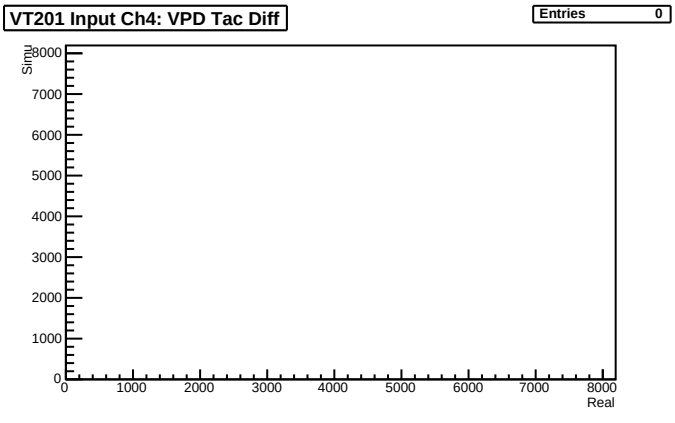

VT201 Input Ch2: ZDC Tac Diff
Entries 403188
Tac

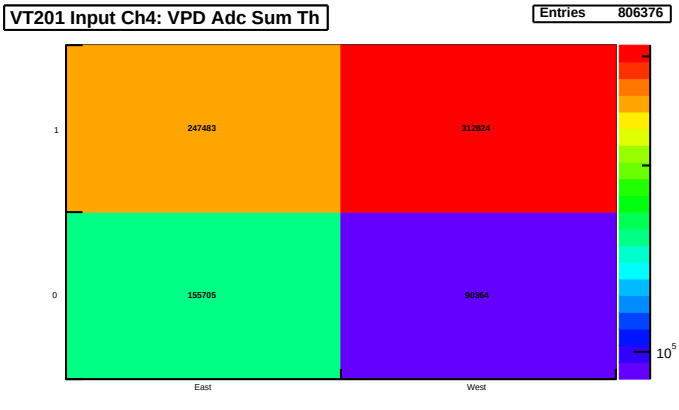

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

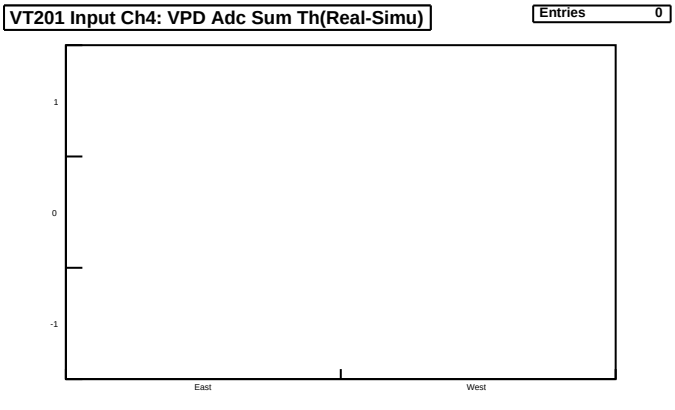

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3225504
10840
2803
21
18
10357
4096
64
50
392348
400385
403167
403170
392831
399092
403124
403138
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

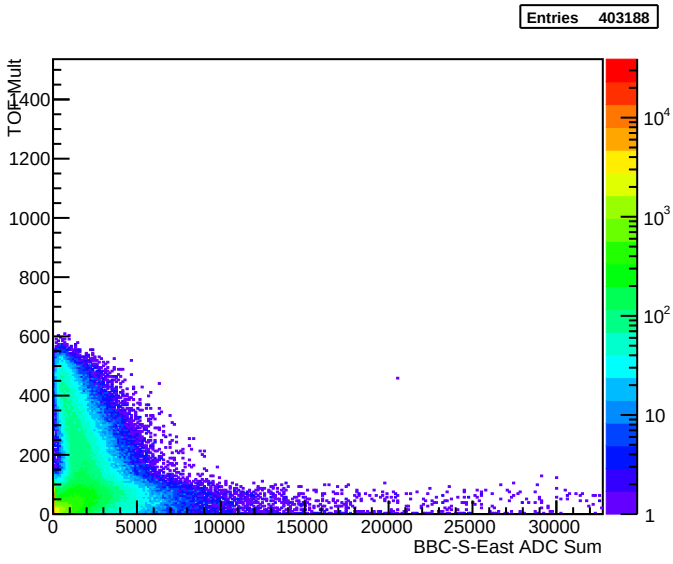

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

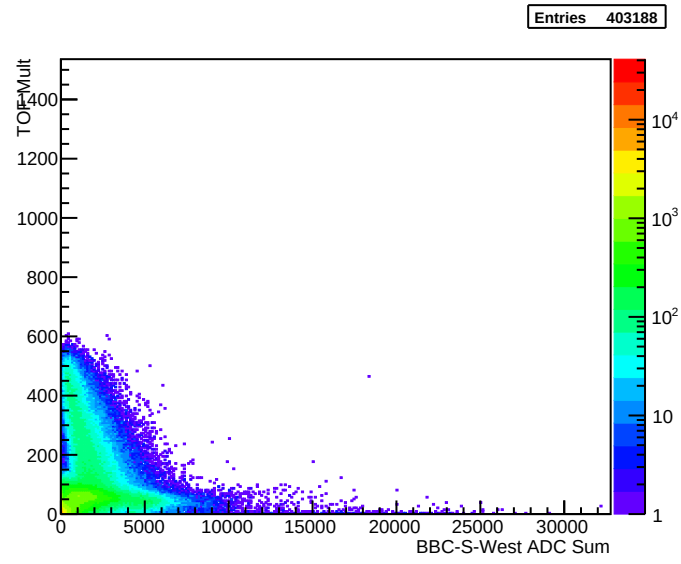

VT201 Input Ch4: VPD Tac Diff
Entries 403188
Tac

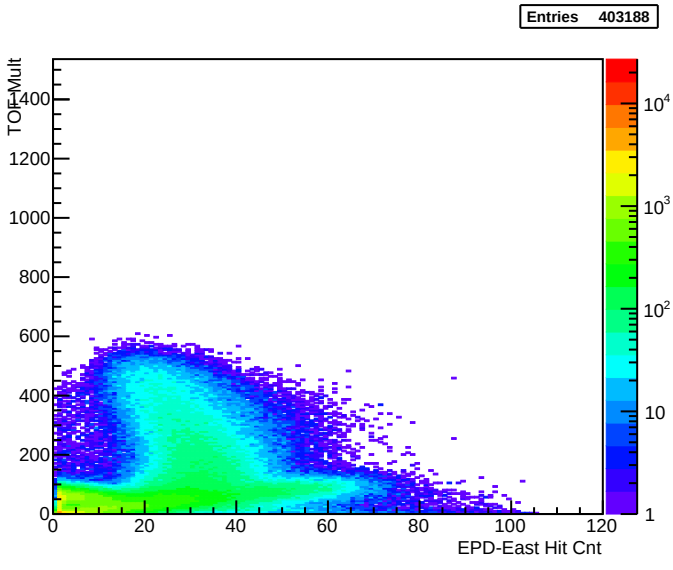

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

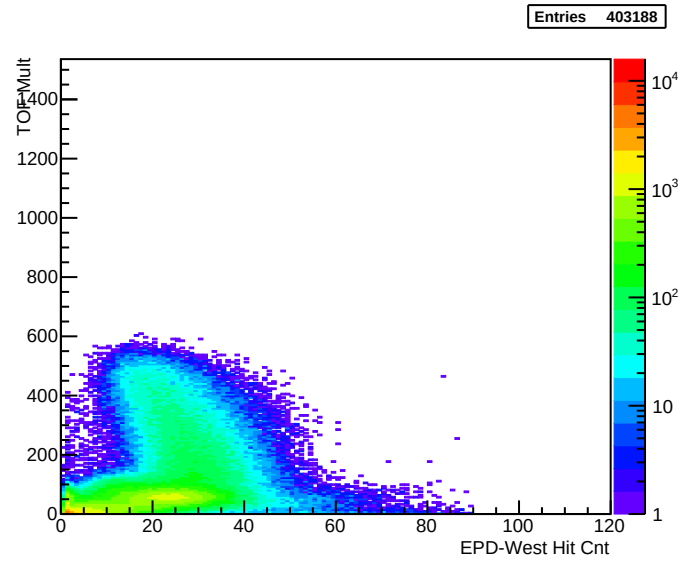

VT201 Input Ch4: VPD Adc Sum Th
Entries 806376
247483
312824
155705
90364
East
West

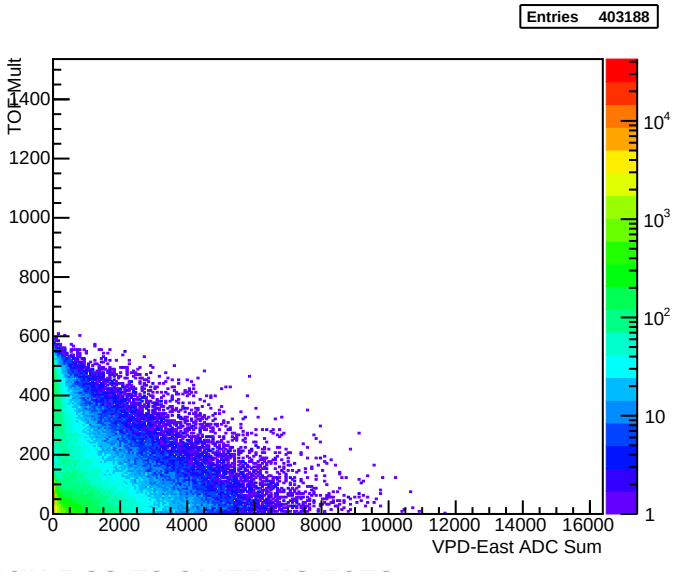

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

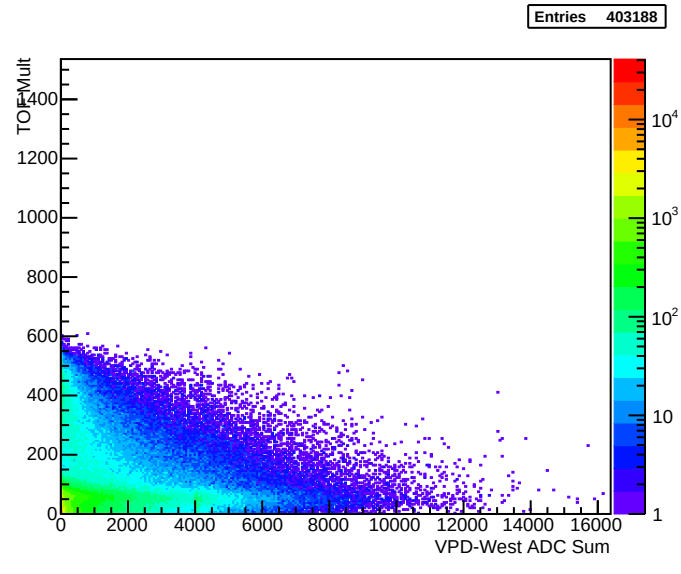

Entries 403188
TOF-Mult
BBC-S-East ADC Sum

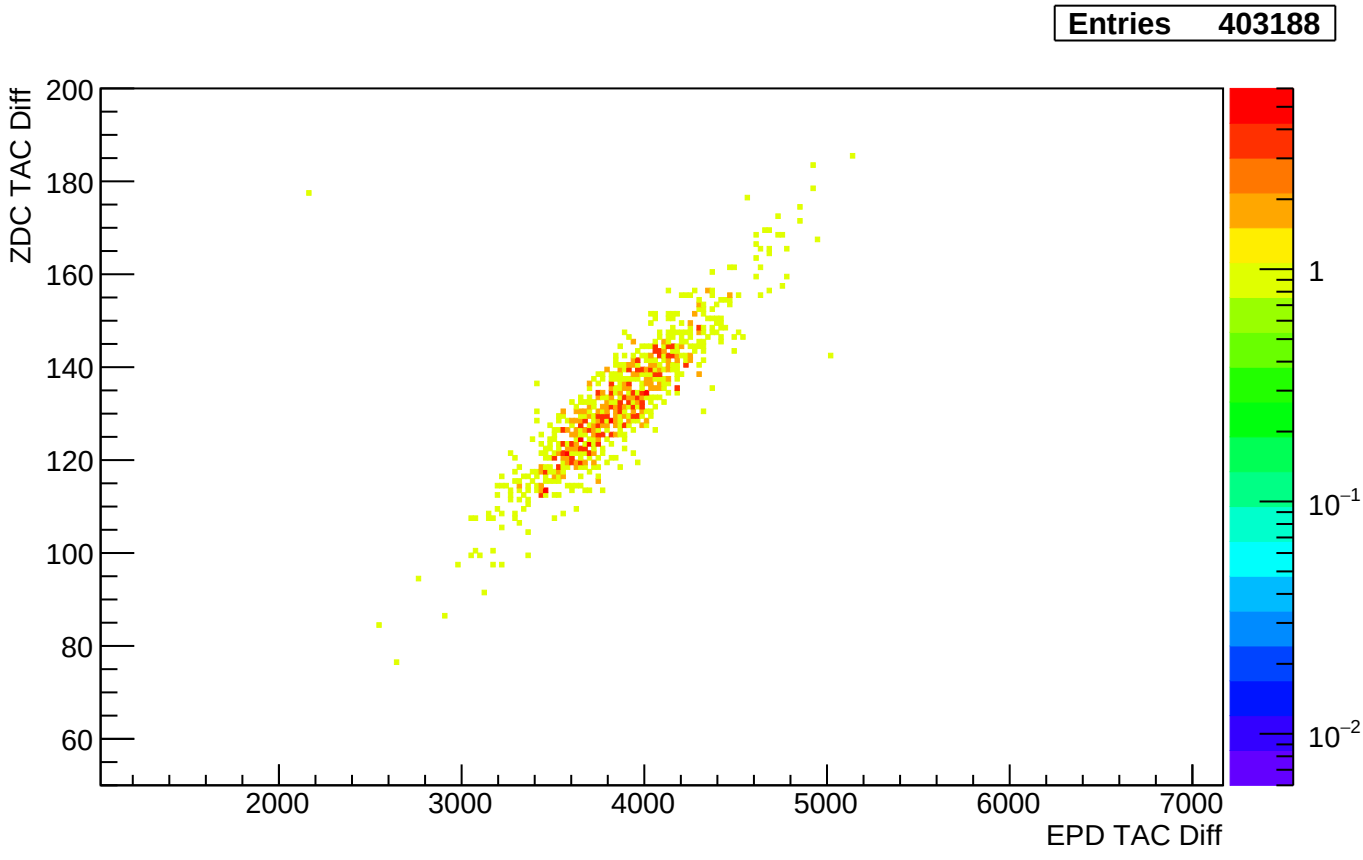

Entries 403188
TOF-Mult
BBC-S-West ADC Sum

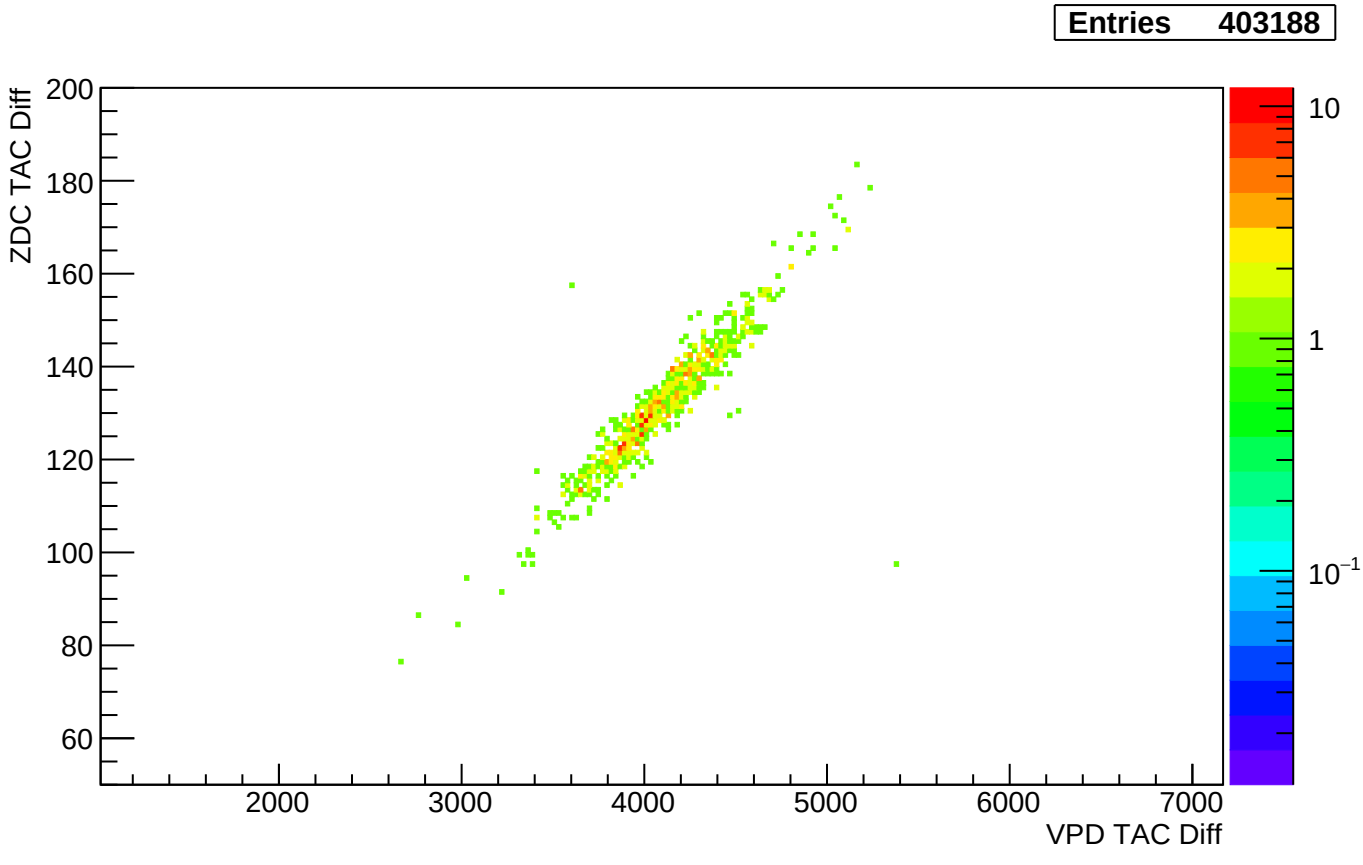

Entries 403188
TOF-Mult
EPD-East Hit Cnt

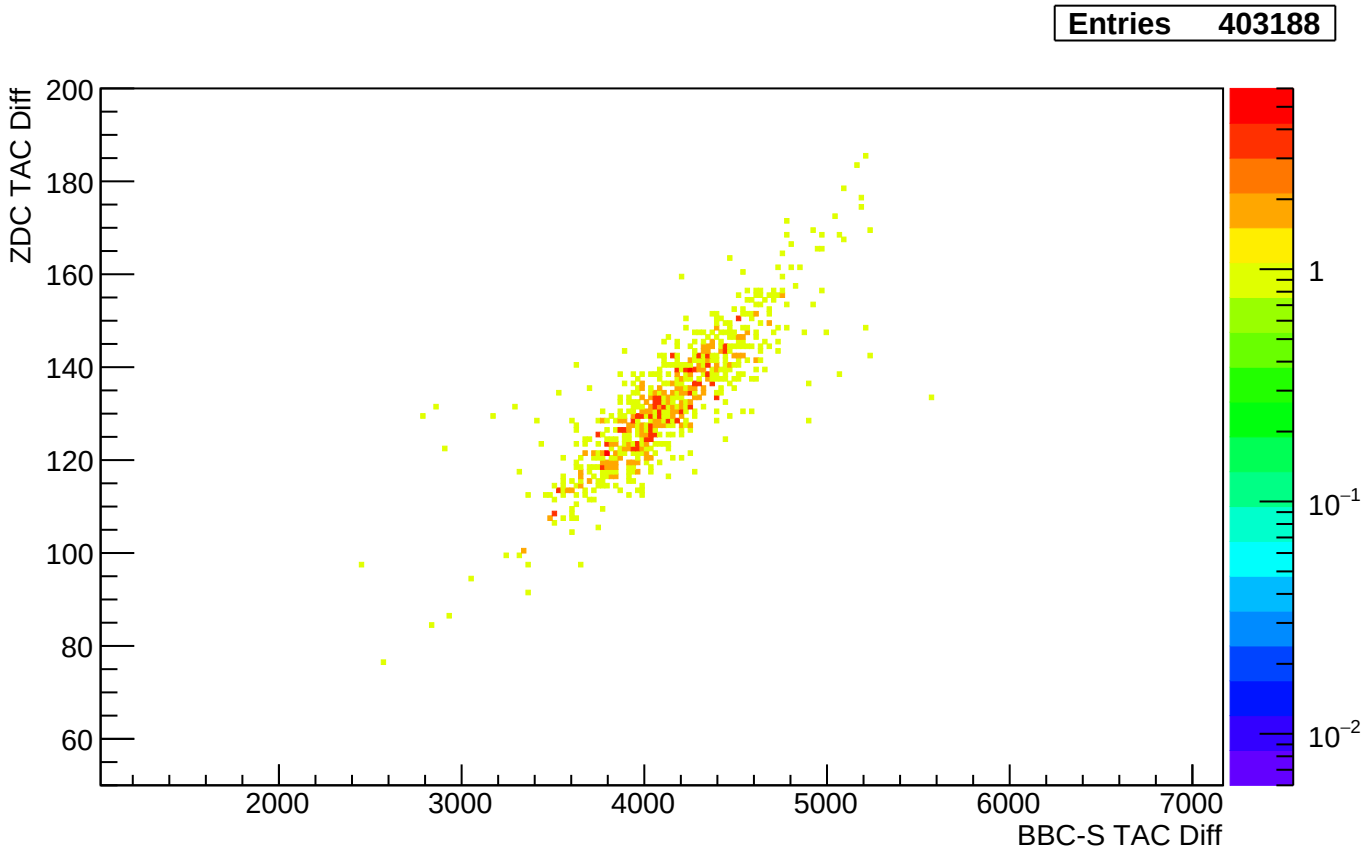

Entries 403188
TOF-Mult
EPD-West Hit Cnt

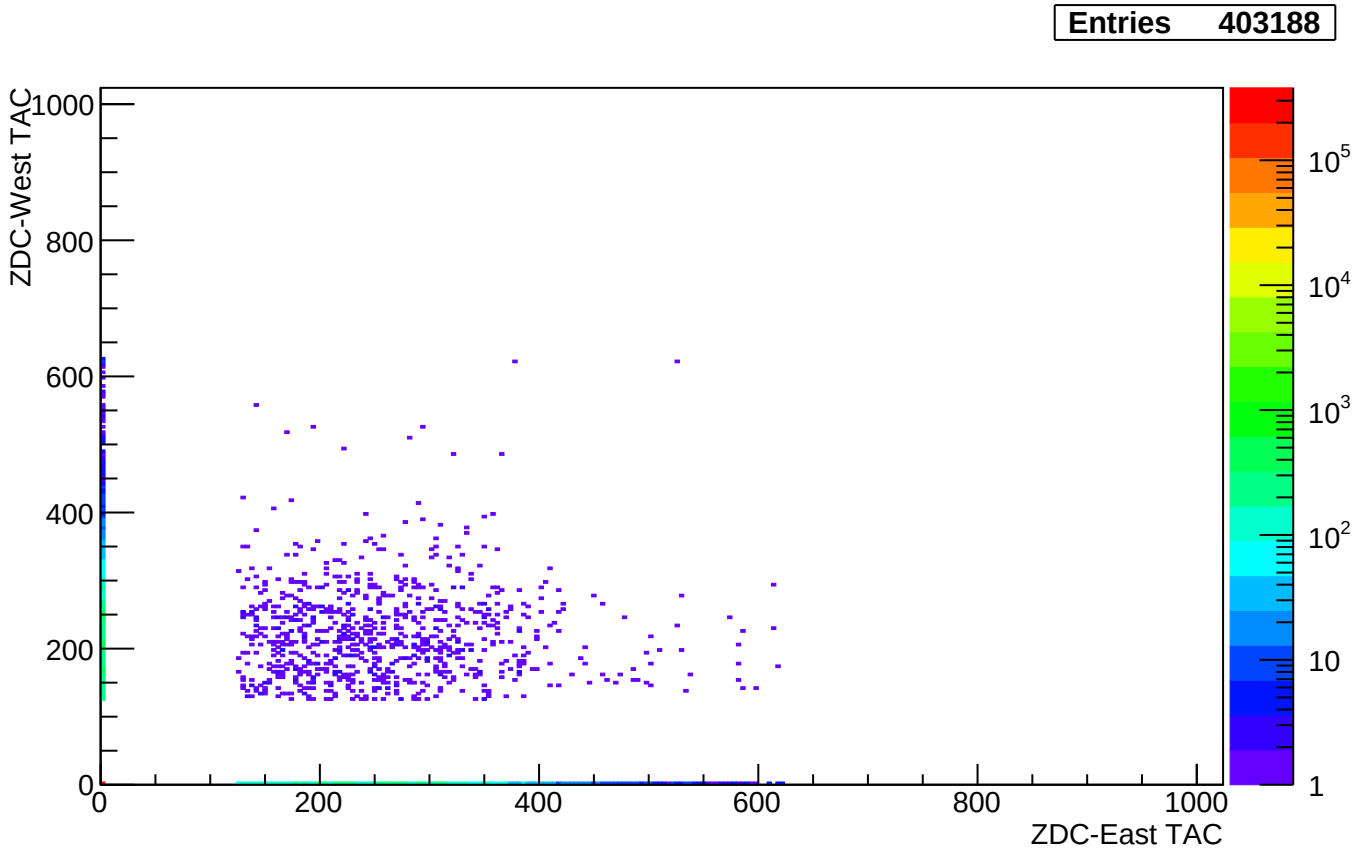

Entries 403188
TOF-Mult
VPD-East ADC Sum

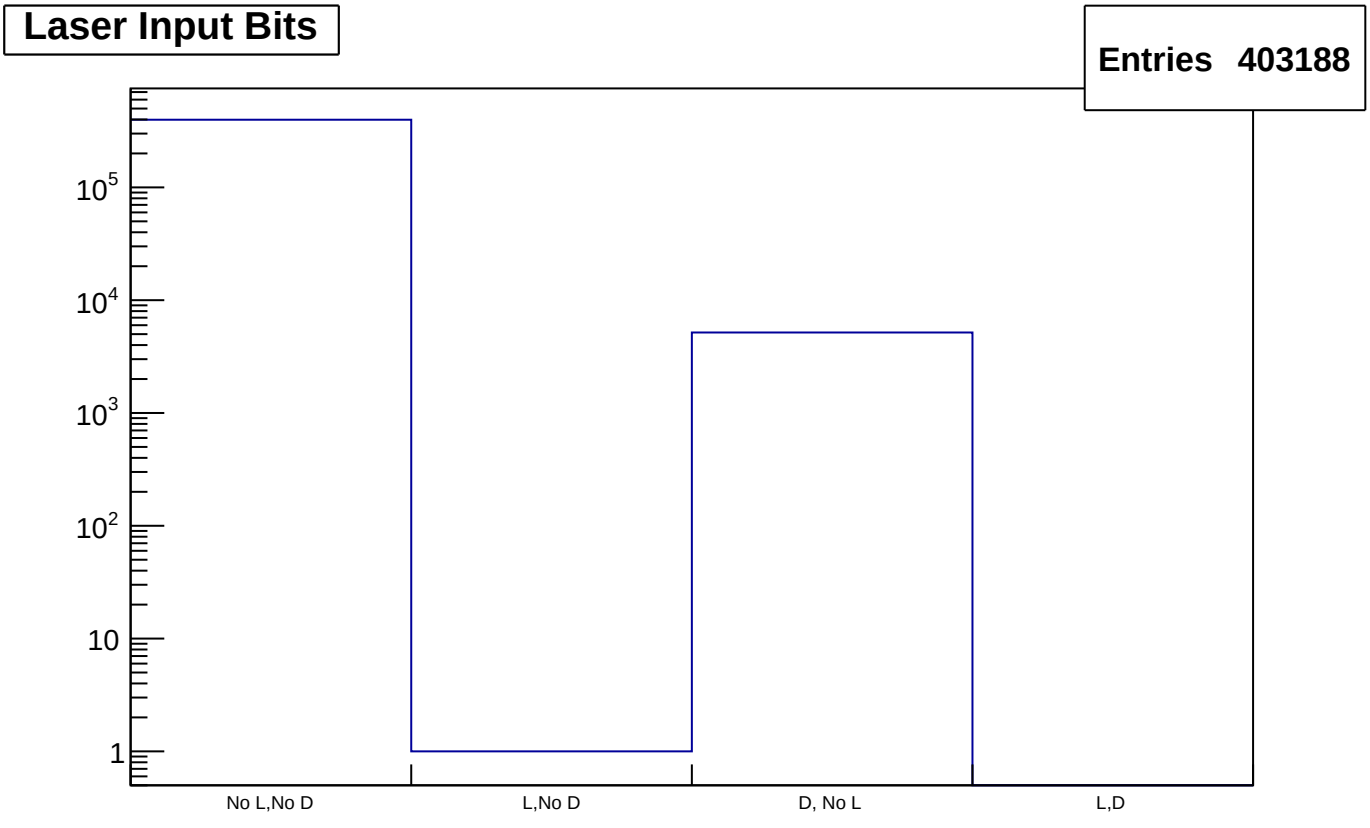

Entries 403188
TOF-Mult
VPD-West ADC Sum

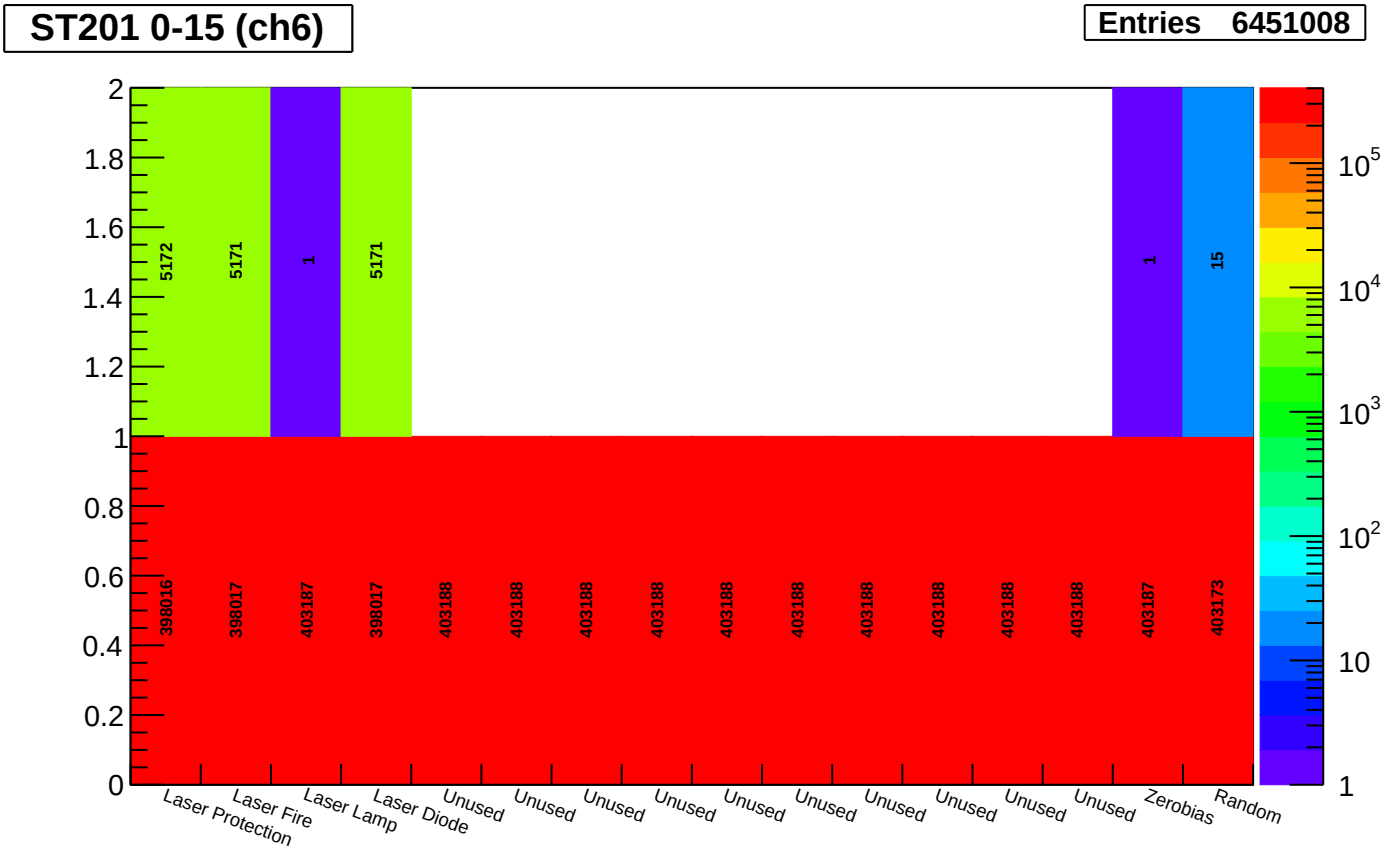

Entries 403188
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

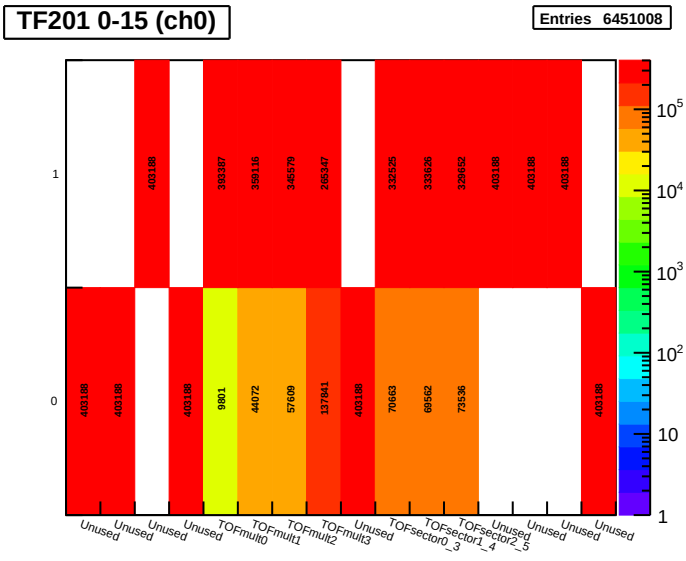

Entries 403188
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10
1
10^{-1}

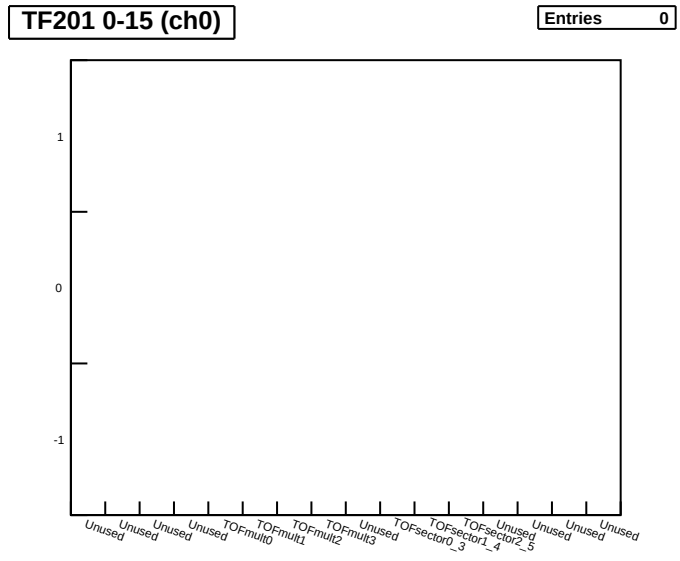

Entries 403188
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

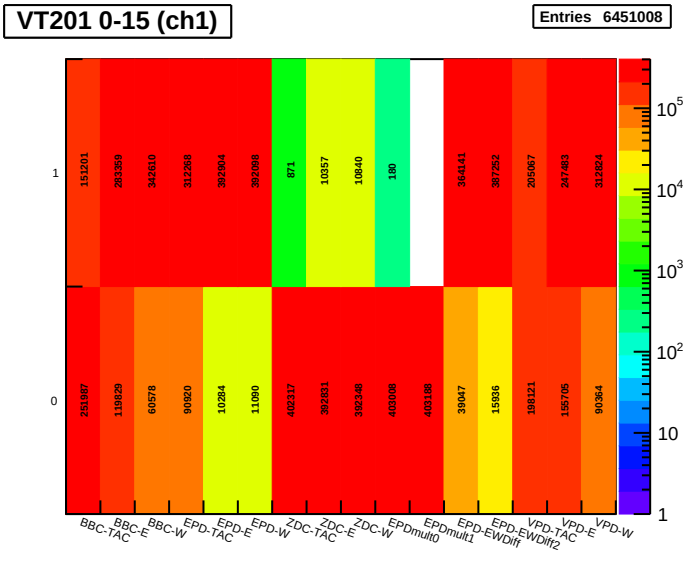

Entries 403188
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

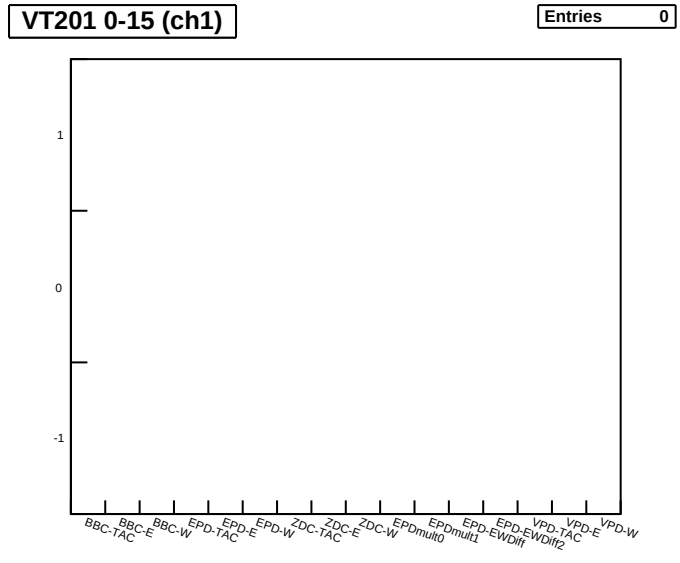

Laser Input Bits
Entries 403188
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

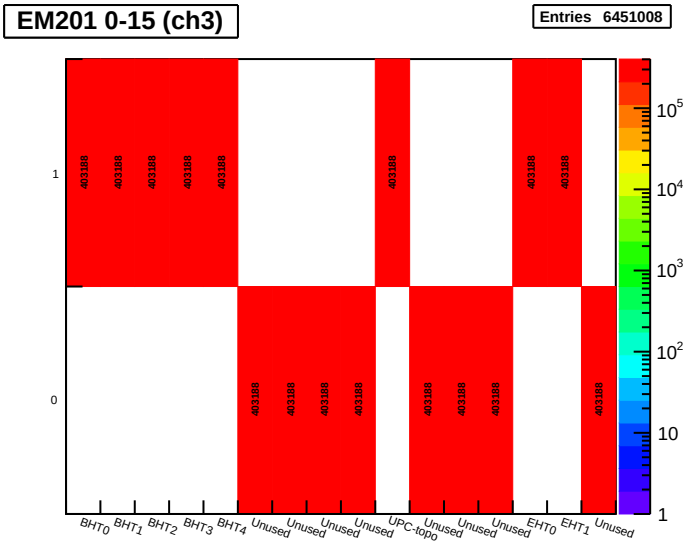

ST201 0-15 (ch6)
Entries 6451008
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5172
5171
1
5171
1
15
398016
398017
403187
398017
403188
403188
403188
403188
403188
403188
403188
403188
403188
403188
403187
403173
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

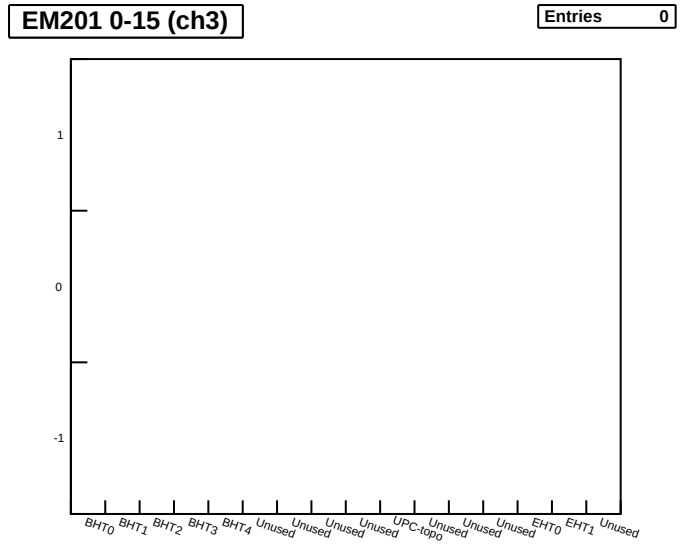

TF201 0-15 (ch0)
Entries 6451008
1
0
403188
393387
389116
346579
265347
332525
333626
329652
403188
403188
403188
403188
403188
403188
9801
44072
57609
137841
403188
70663
69562
73536
403188
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
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 6451008
1
0
151201
283359
342610
312268
392904
392098
871
10357
10840
180
364141
387252
205067
247483
312824
231987
119829
60578
90920
10284
11090
402317
392831
392348
403008
403188
390477
15936
198121
155705
90364
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 6451008
1
0
403188
403188
403188
403188
403188
403188
403188
403188
403188
403188
403188
403188
403188
403188
403188
403188
403188
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