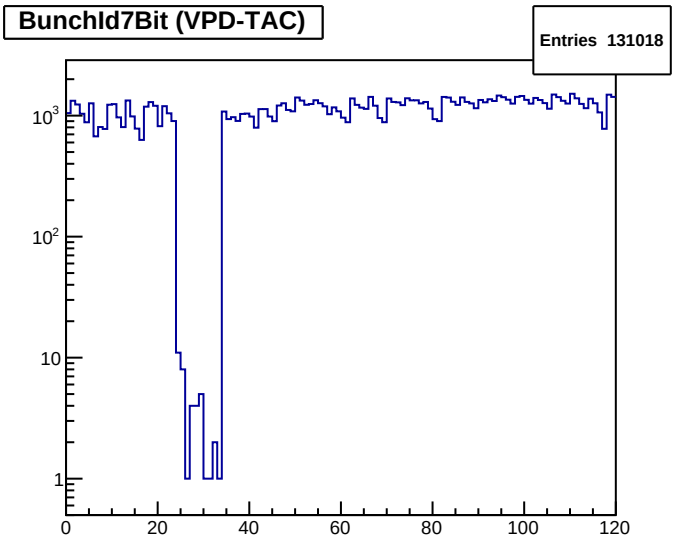
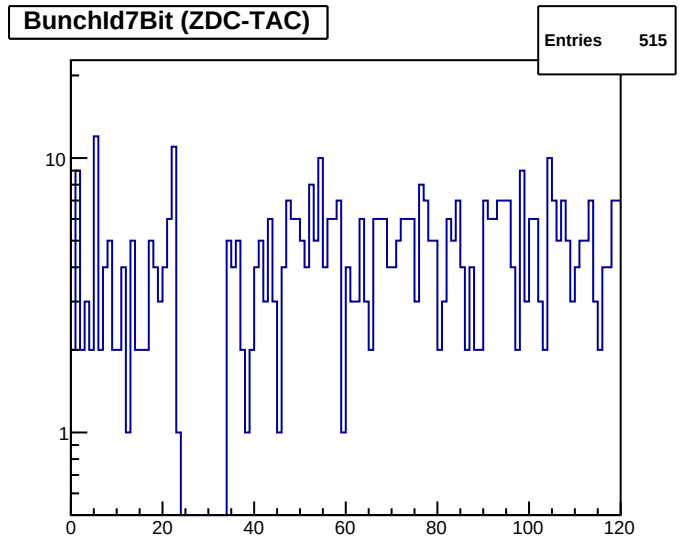
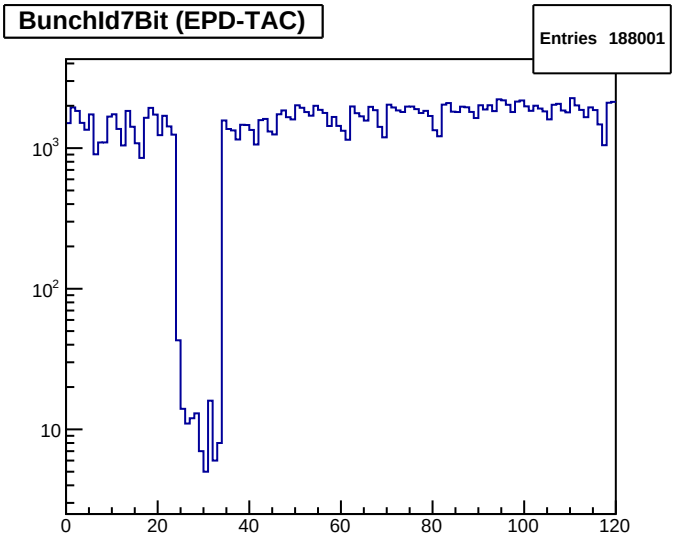
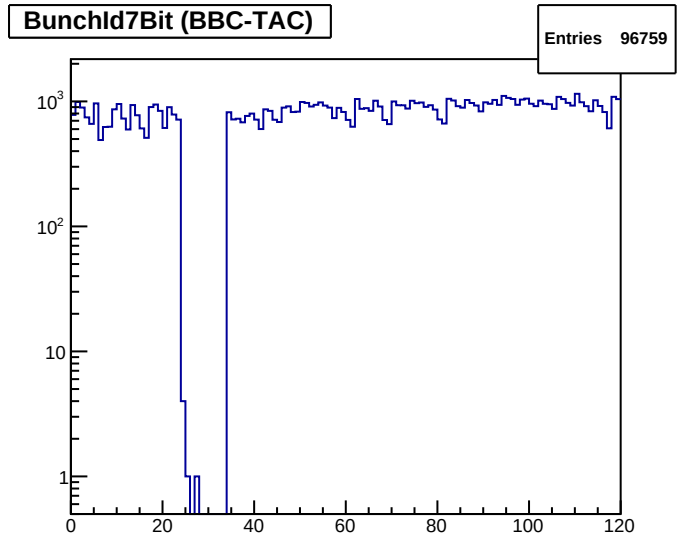
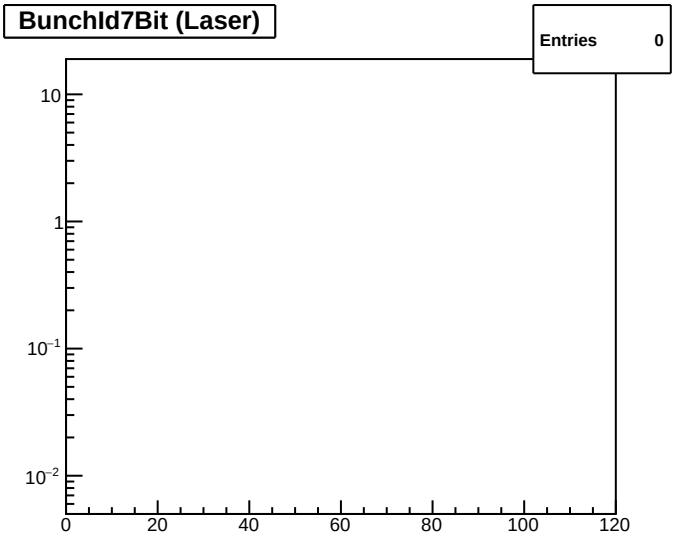
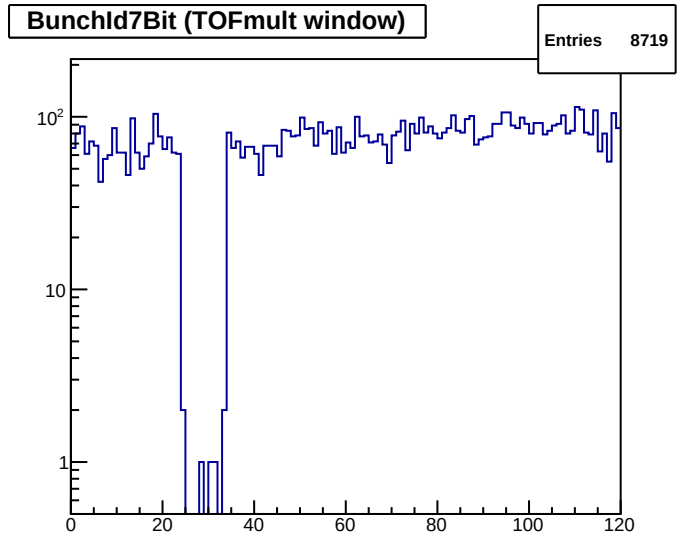

BunchId7Bit (VPD-TAC)
Entries 131018

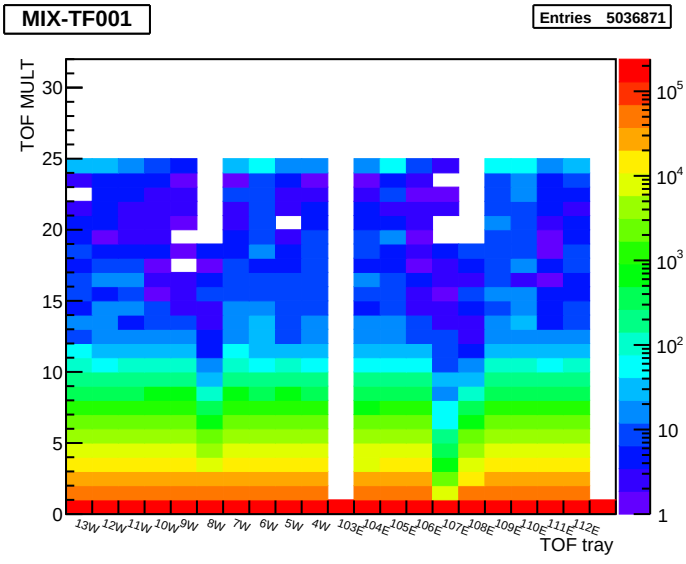

BunchId7Bit (ZDC-TAC)
Entries 515

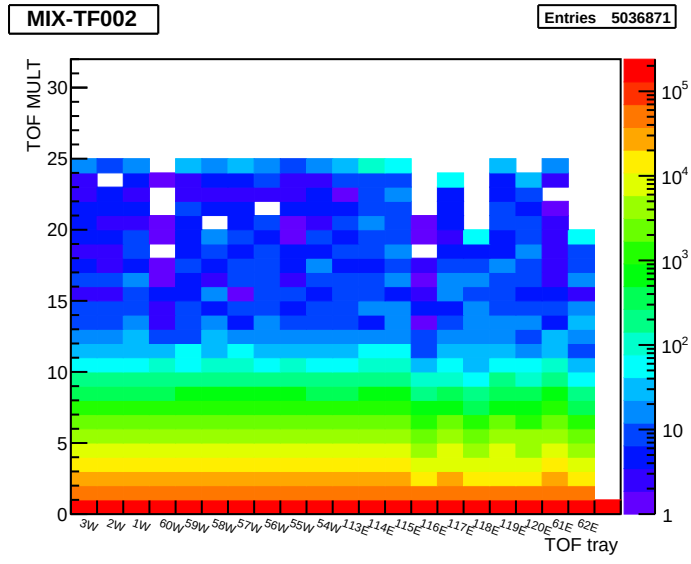

BunchId7Bit (EPD-TAC)
Entries 188001

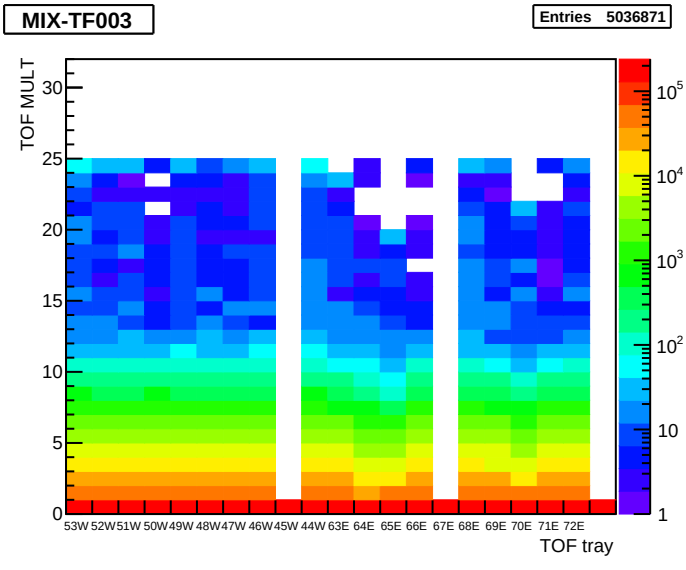

BunchId7Bit (BBC-TAC)
Entries 96759

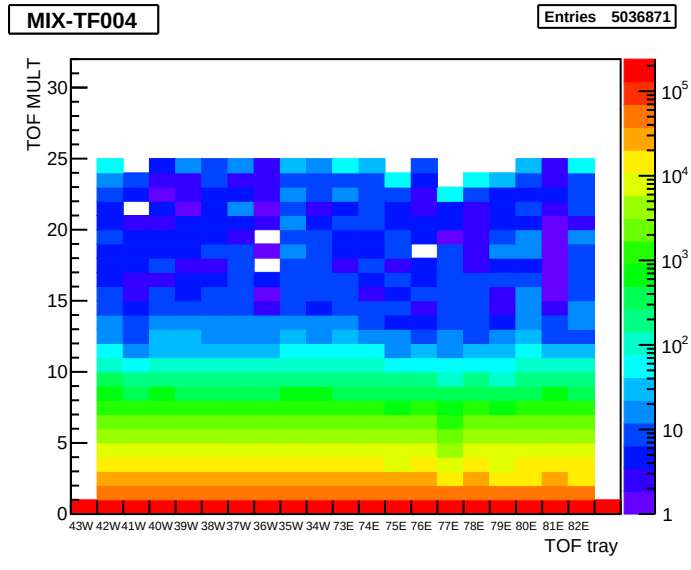

BunchId7Bit (Laser)
Entries 0

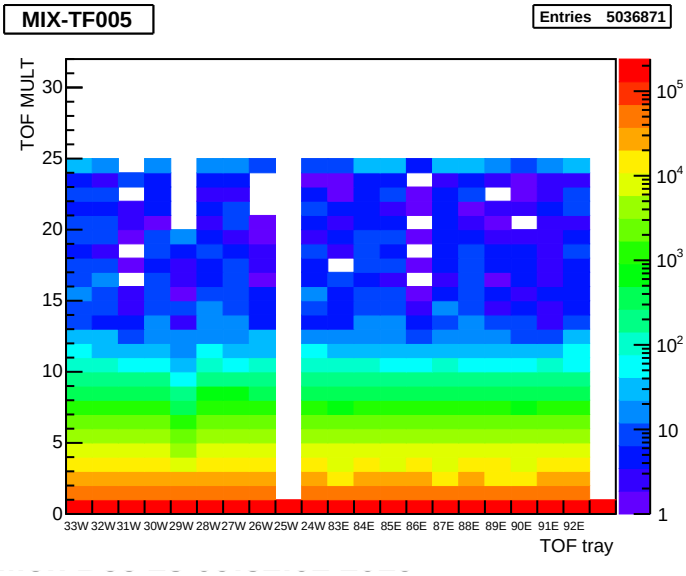

BunchId7Bit (TOFmult window)
Entries 8719

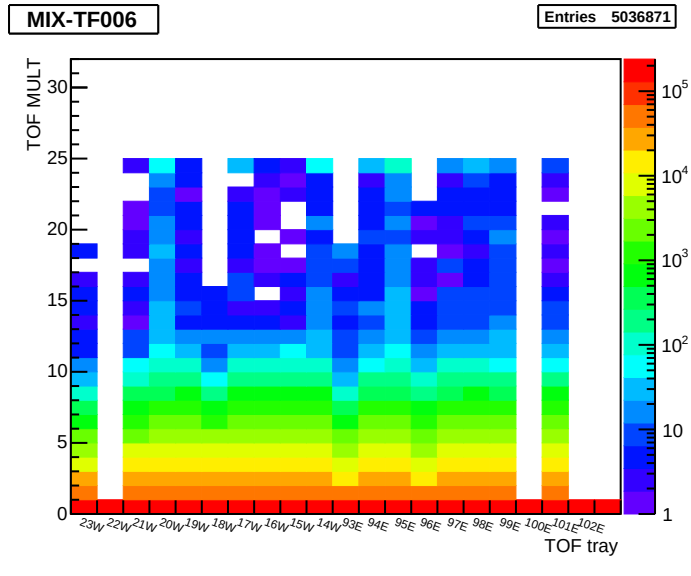

MIX-TF001
Entries 5036871
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

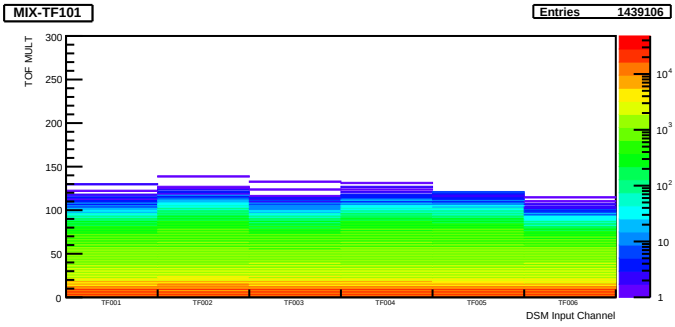

MIX-TF002
Entries 5036871
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

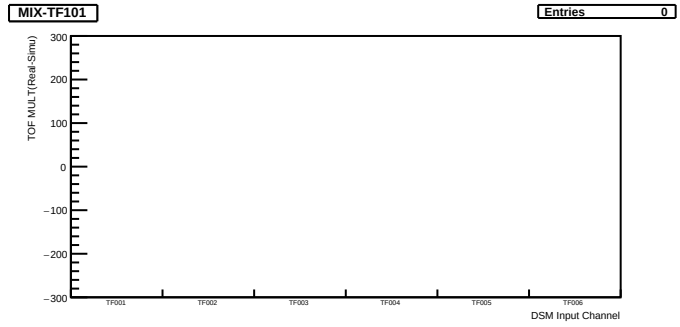

MIX-TF003
Entries 5036871
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

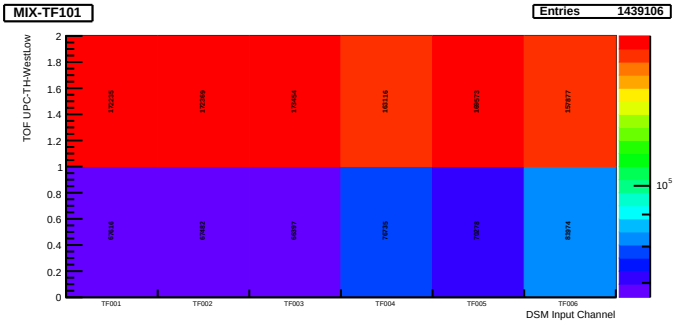

MIX-TF004
Entries 5036871
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

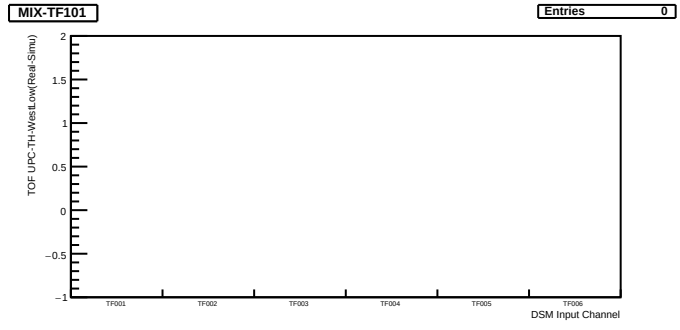

MIX-TF005
Entries 5036871
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

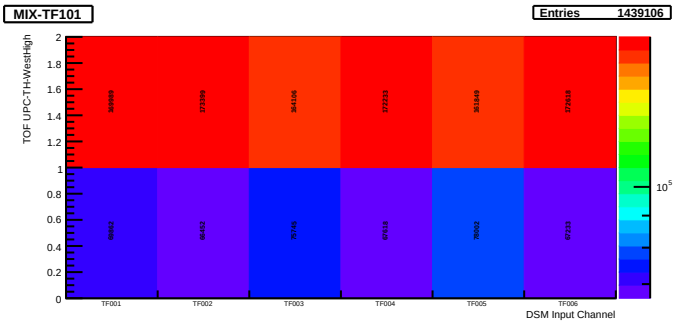

MIX-TF006
Entries 5036871
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

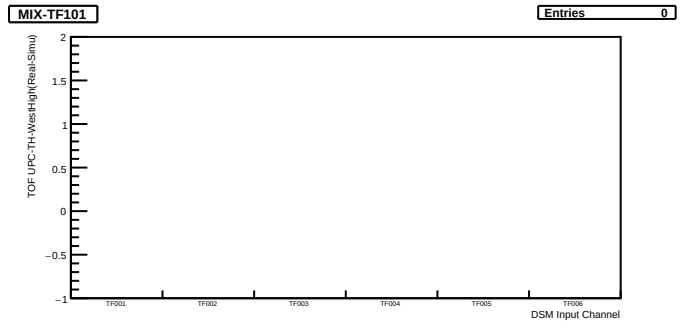

MIX-TF101
Entries 1439106
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

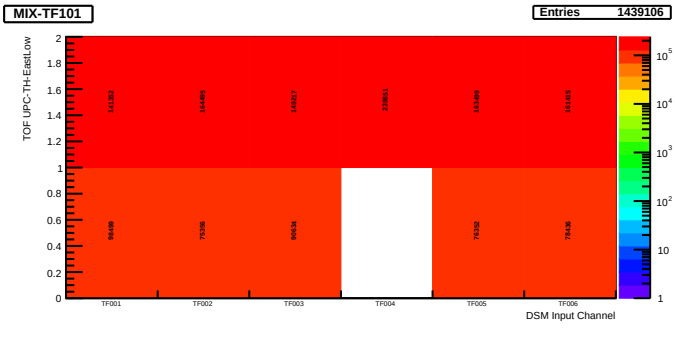

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

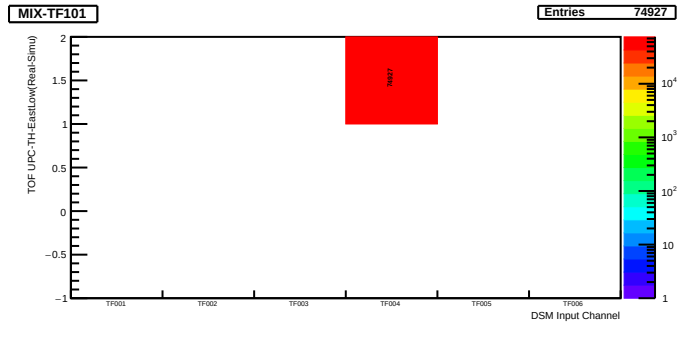

MIX-TF101
Entries 1439106
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

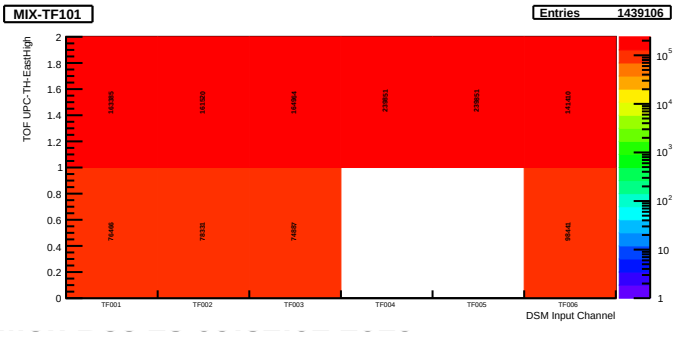

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

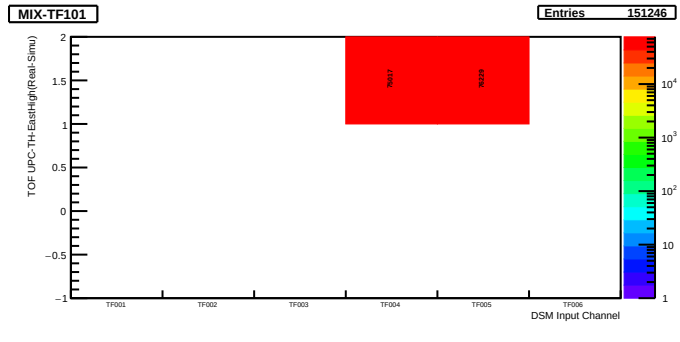

MIX-TF101
Entries 1439106
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

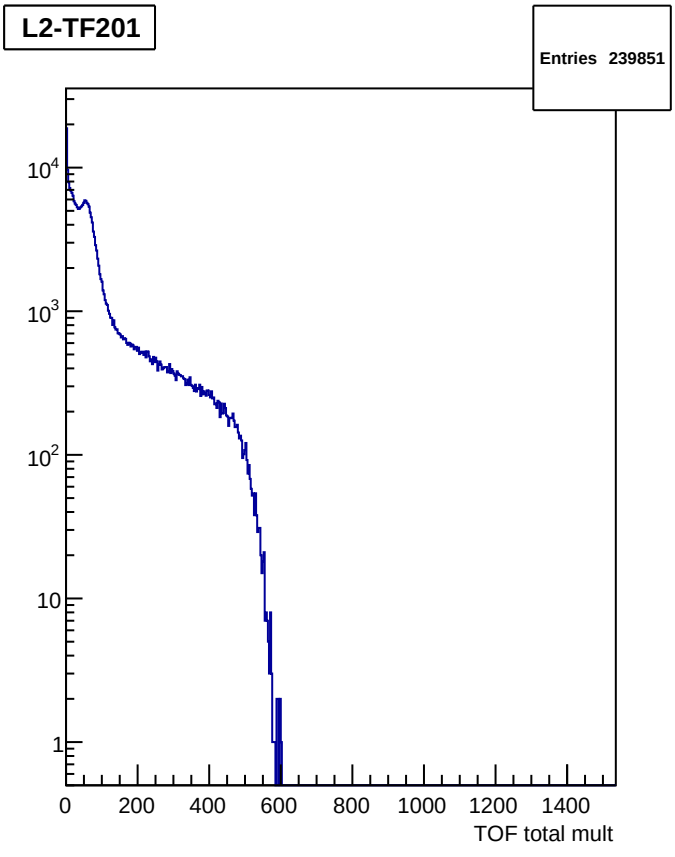

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

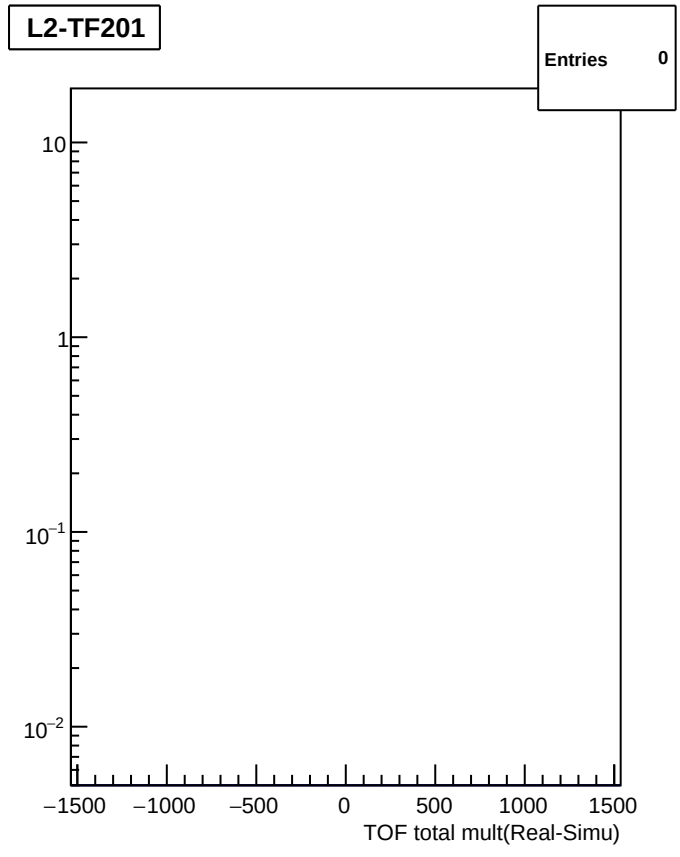

MIX-TF101
Entries 1439106
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

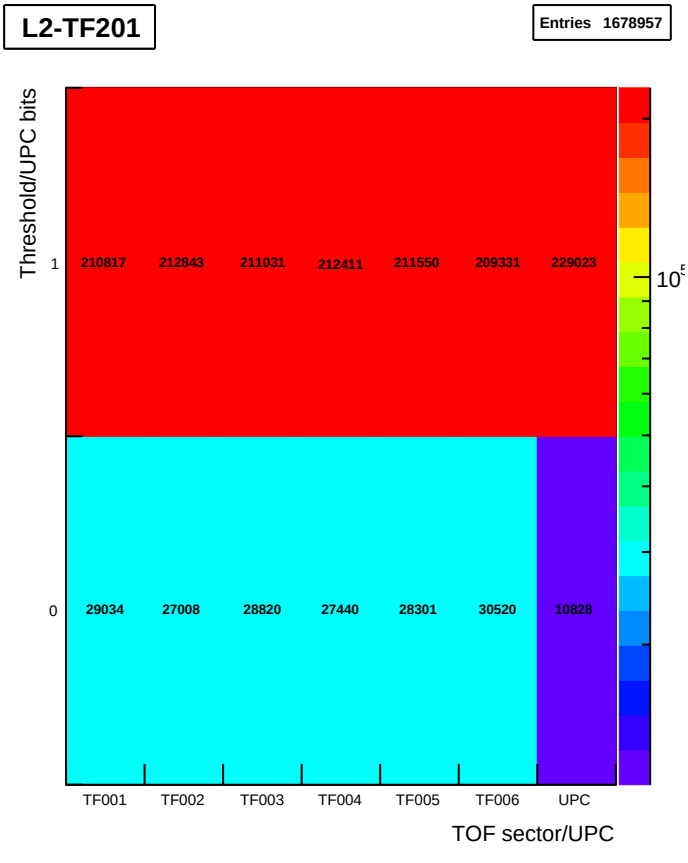

MIX-TF101
Entries 74927
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

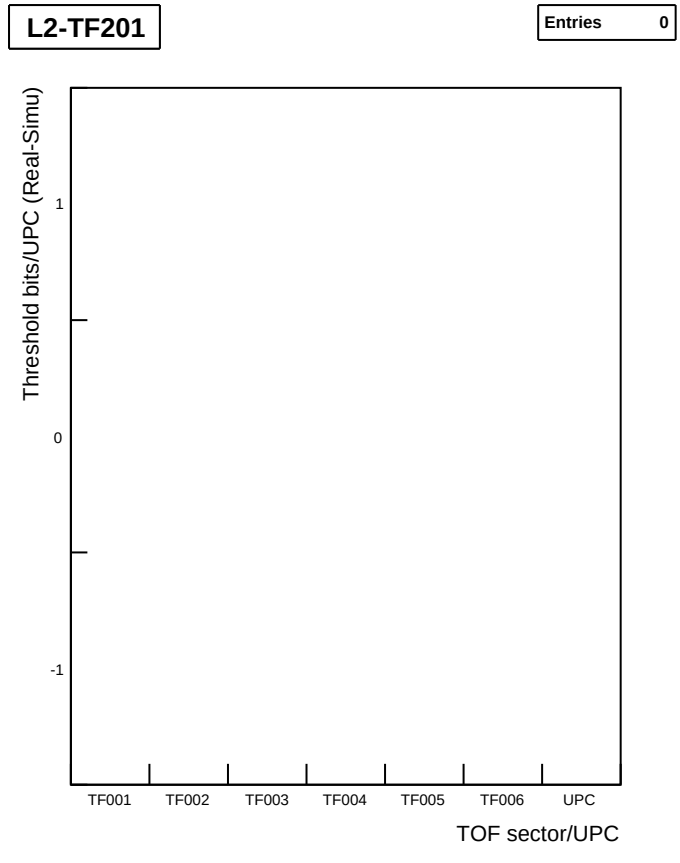

MIX-TF101
Entries 1439106
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

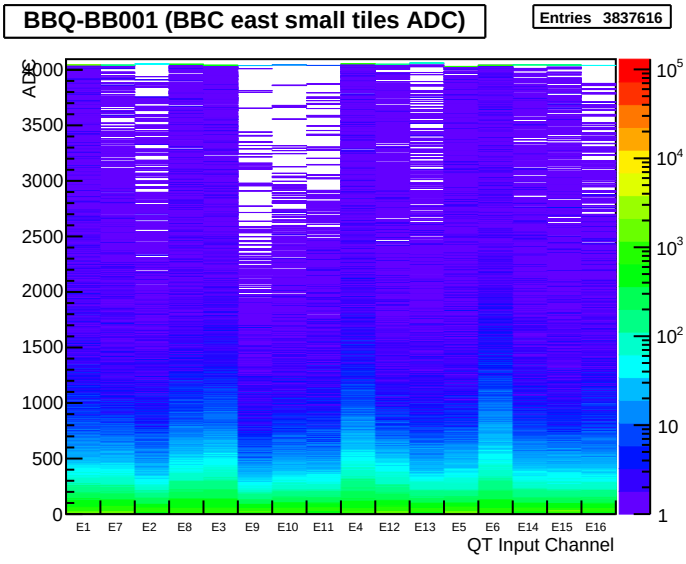

MIX-TF101
Entries 151246
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

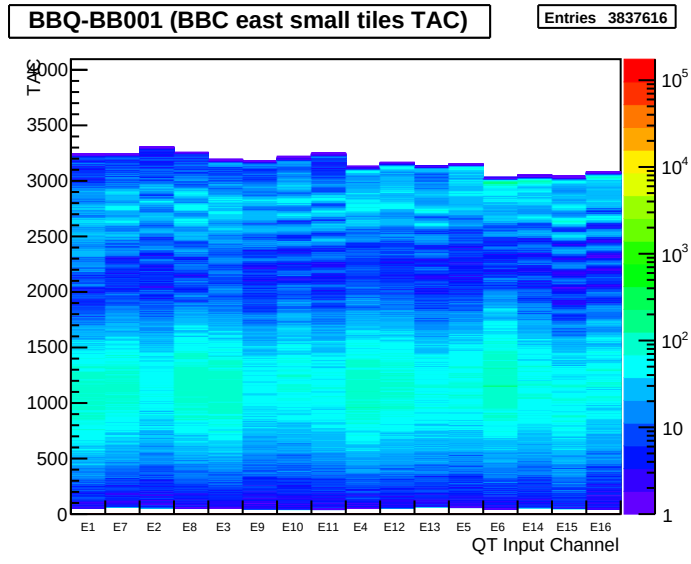

L2-TF201
Entries 239851
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

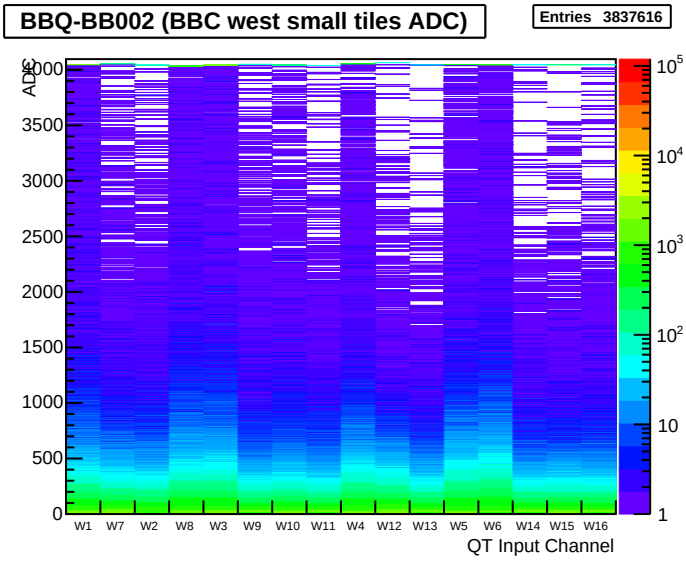

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

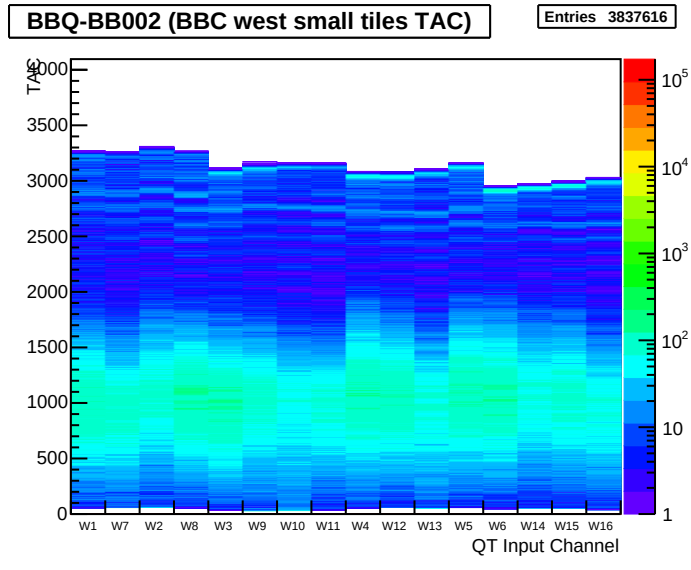

L2-TF201
Entries 1678957
Threshold/UPC bits
1
0
210817
212843
211031
212411
211550
209331
229023
29034
27008
28820
27440
28301
30520
10828
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

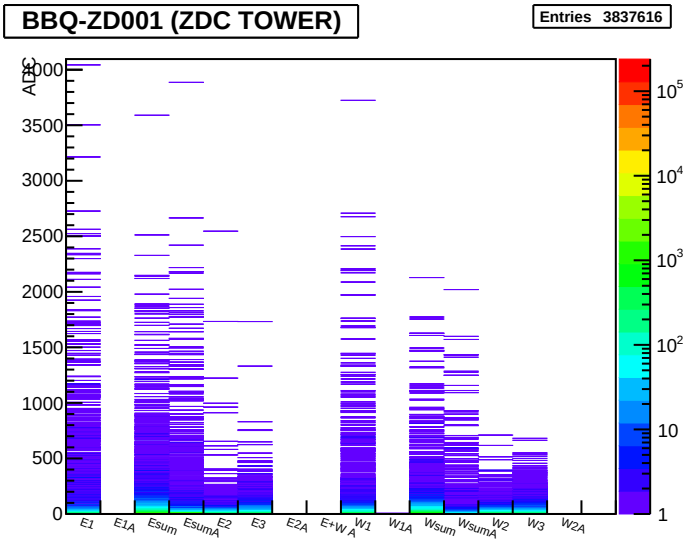

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

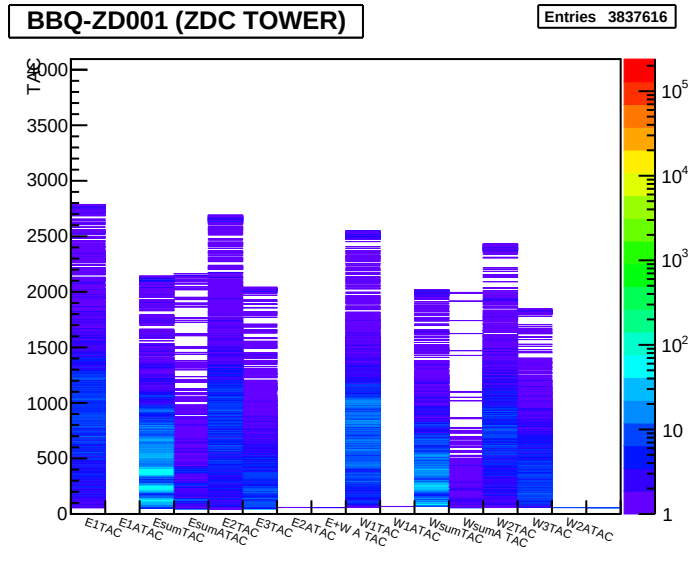

BBQ-BB001 (BBC east small tiles ADC)
Entries 3837616
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

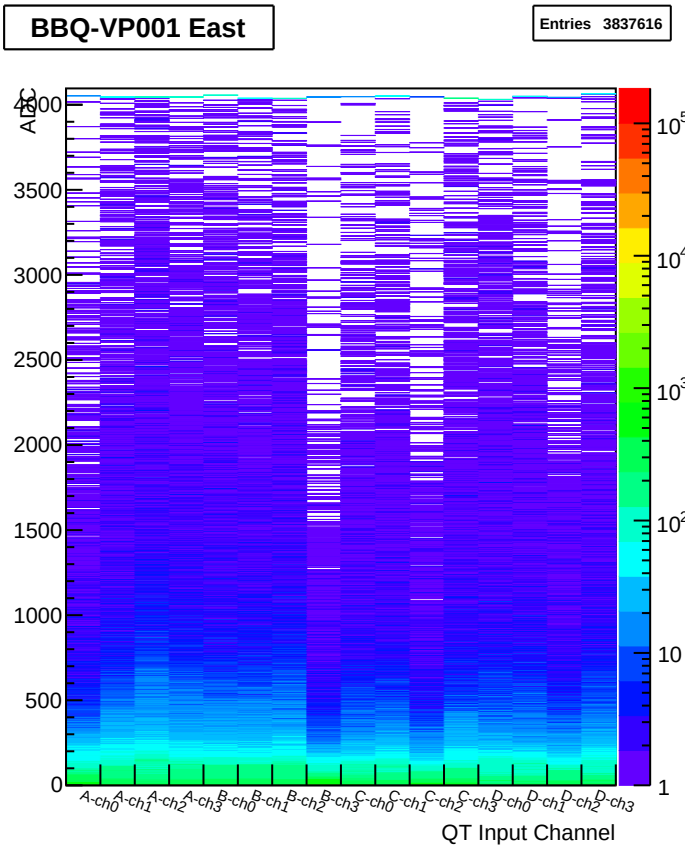

BBQ-BB001 (BBC east small tiles TAC)
Entries 3837616
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

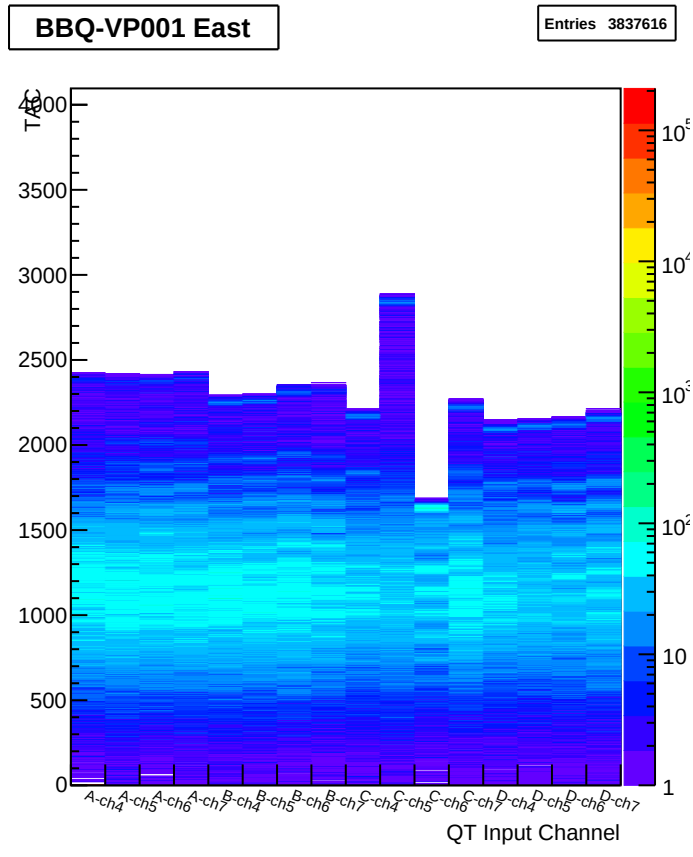

BBQ-BB002 (BBC west small tiles ADC)
Entries 3837616
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

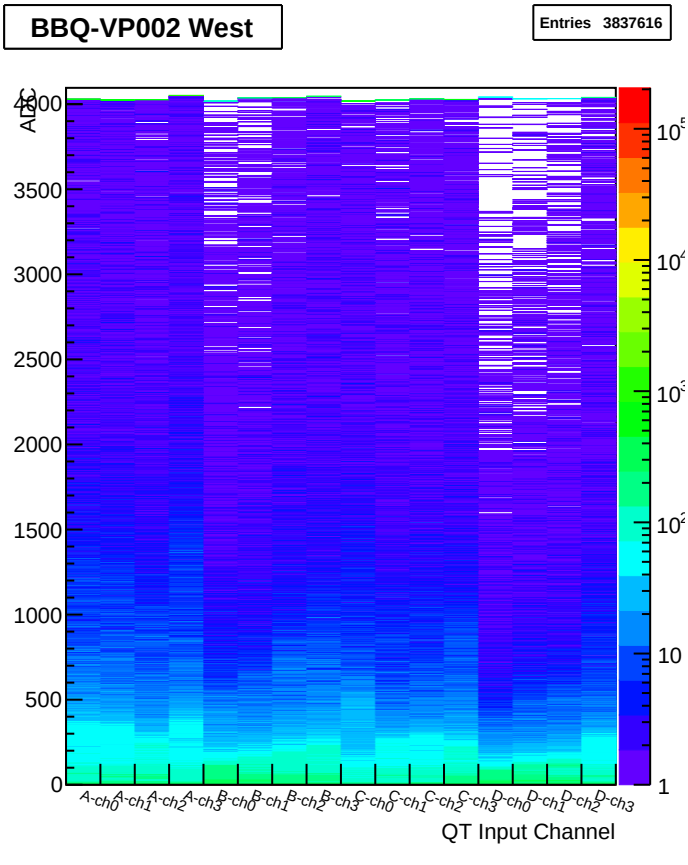

BBQ-BB002 (BBC west small tiles TAC)
Entries 3837616
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

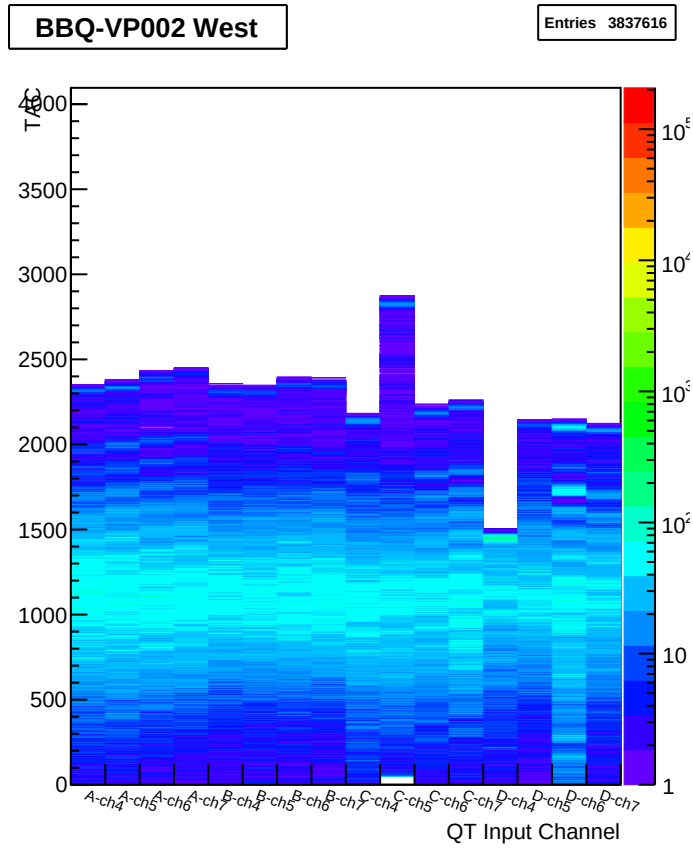

BBQ-ZD001 (ZDC TOWER)
Entries 3837616
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

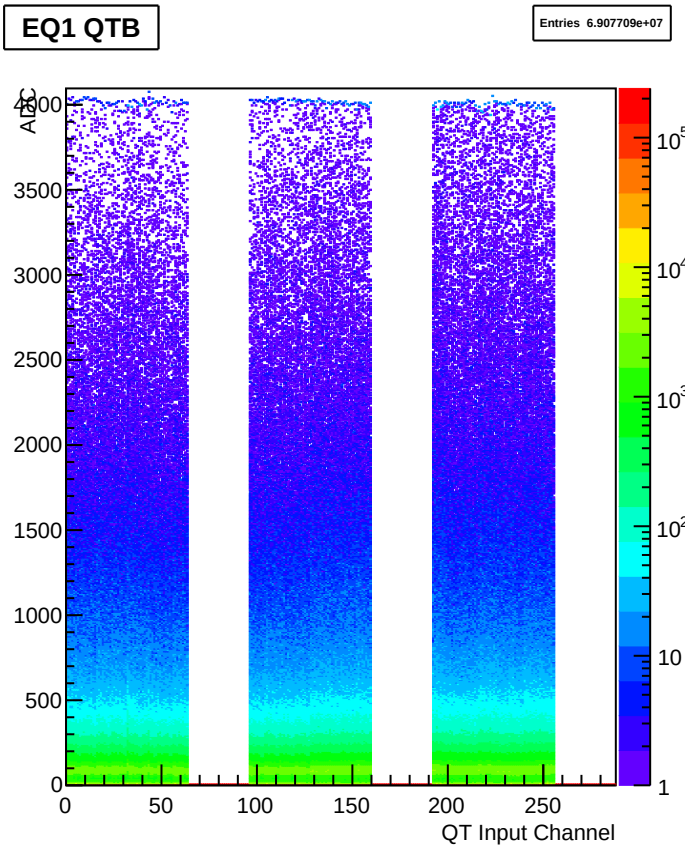

BBQ-ZD001 (ZDC TOWER)
Entries 3837616
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

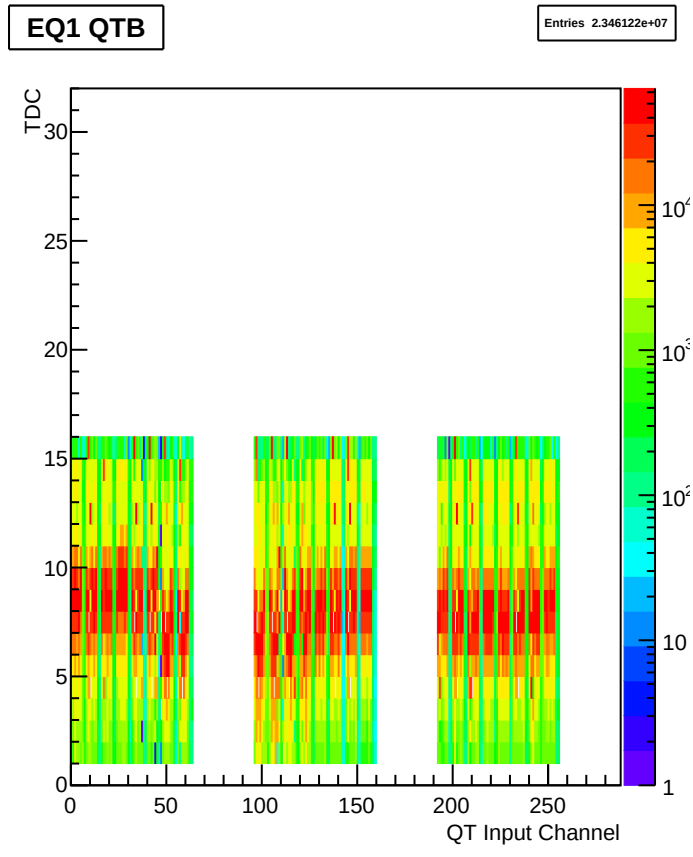

BBQ-VP001 East
Entries 3837616
ADC
QT Input Channel

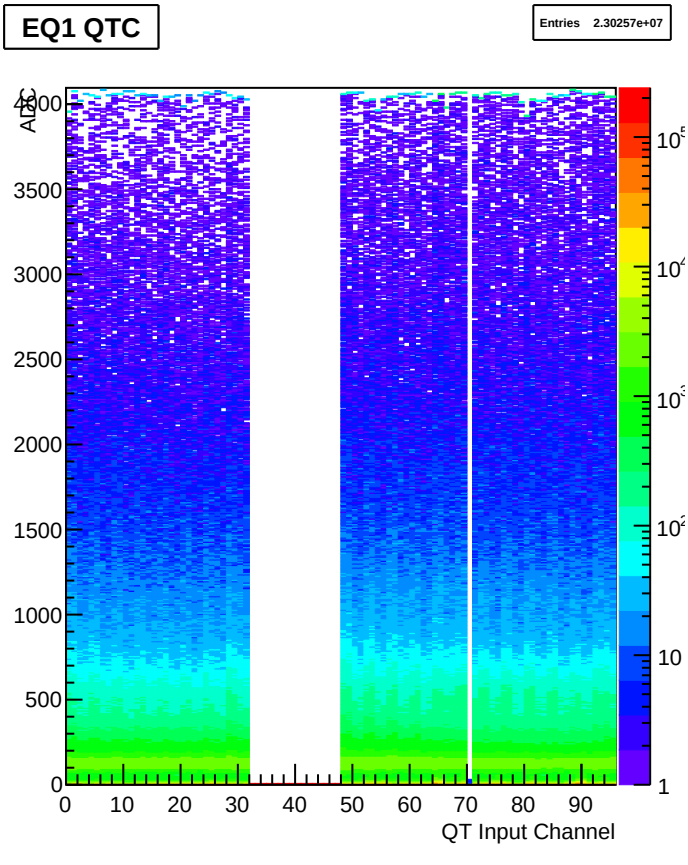

BBQ-VP001 East
Entries 3837616
TADC
QT Input Channel

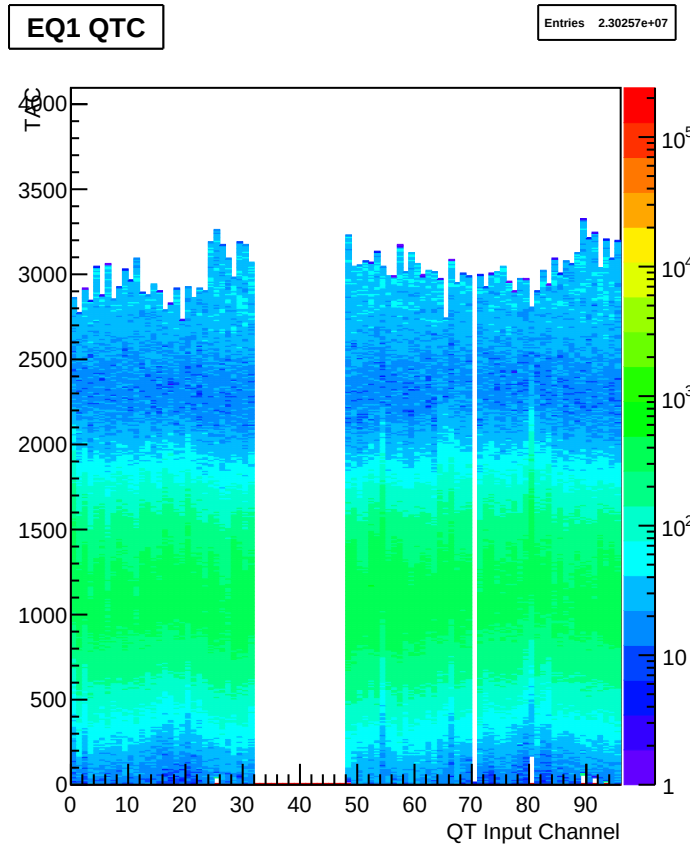

BBQ-VP002 West
Entries 3837616
ADC
QT Input Channel

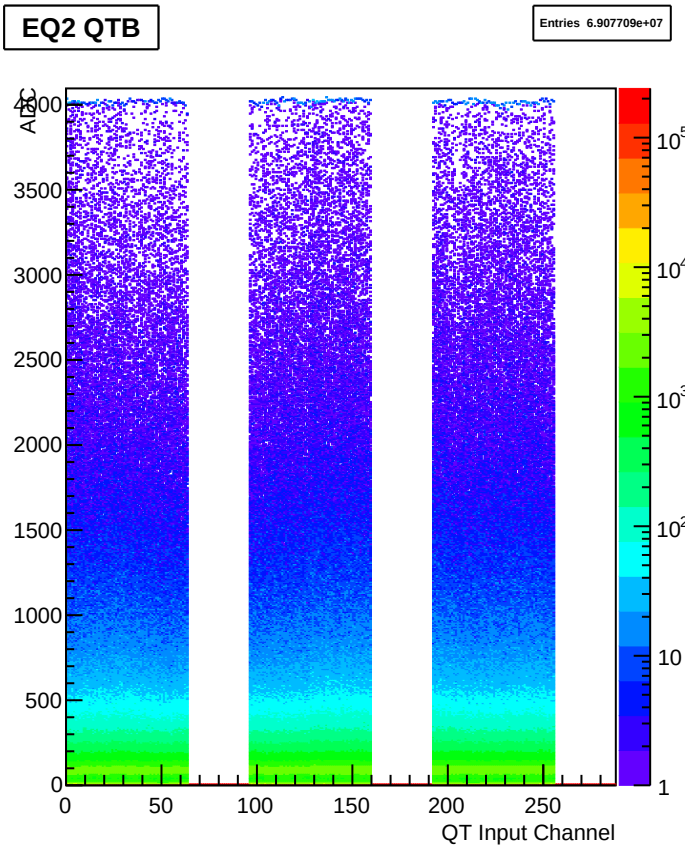

BBQ-VP002 West
Entries 3837616
TADC
QT Input Channel

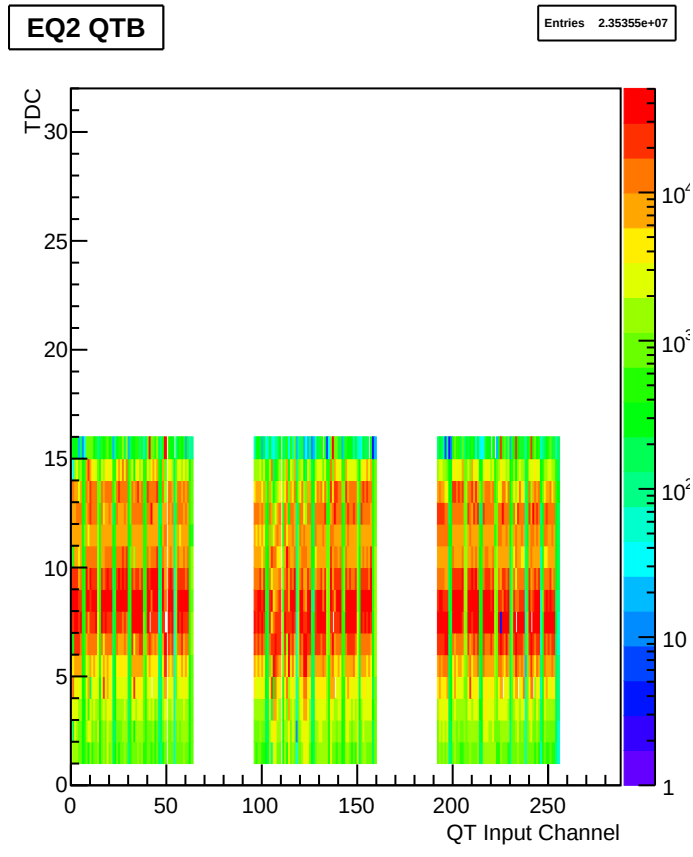

EQ1 QTB
Entries 6.907709e+07
ADC
QT Input Channel

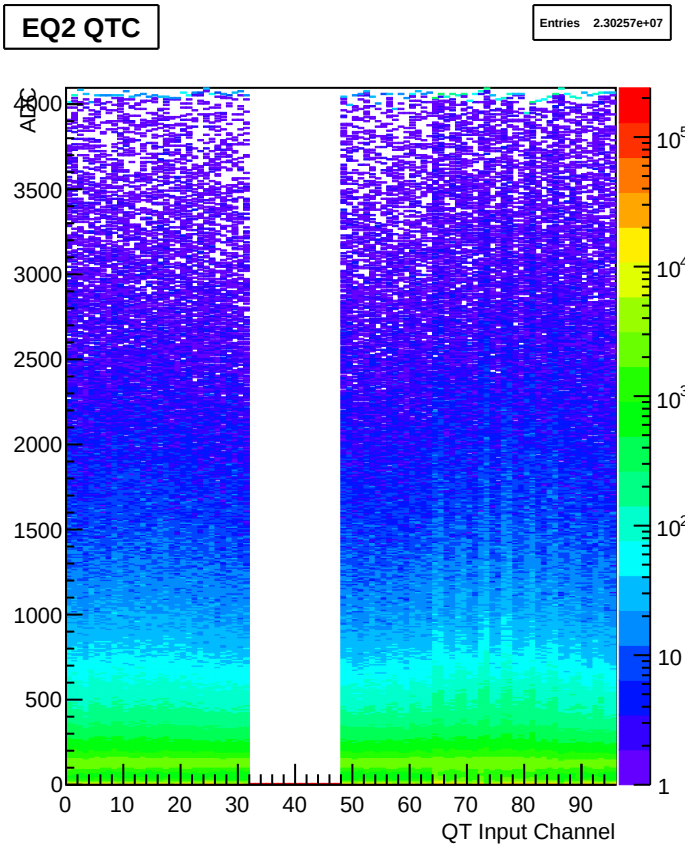

EQ1 QTB
Entries 2.346122e+07
TDC
QT Input Channel

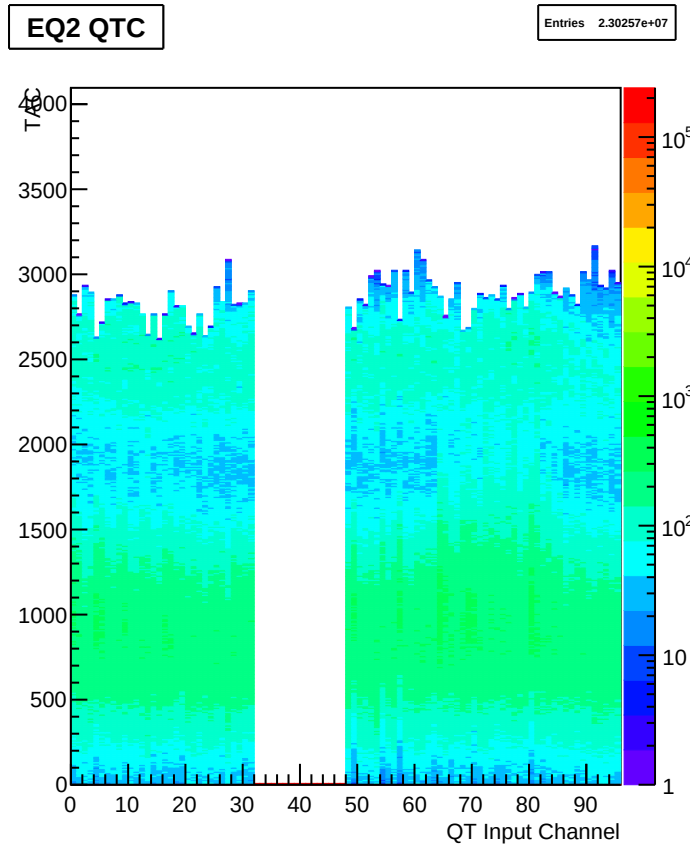

EQ1 QTC
Entries 2.30257e+07
ADC
QT Input Channel

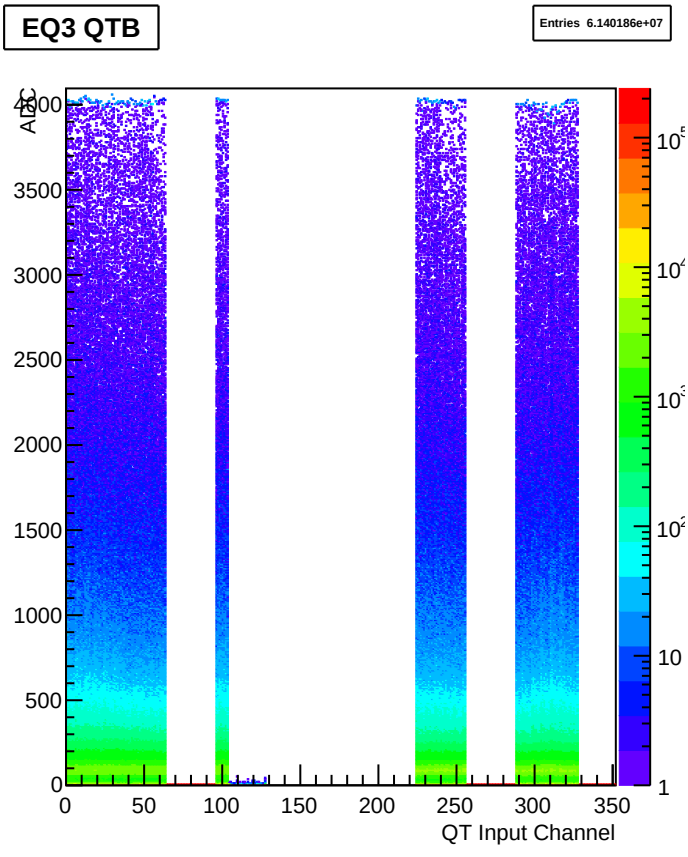

EQ1 QTC
Entries 2.30257e+07
TADC
QT Input Channel

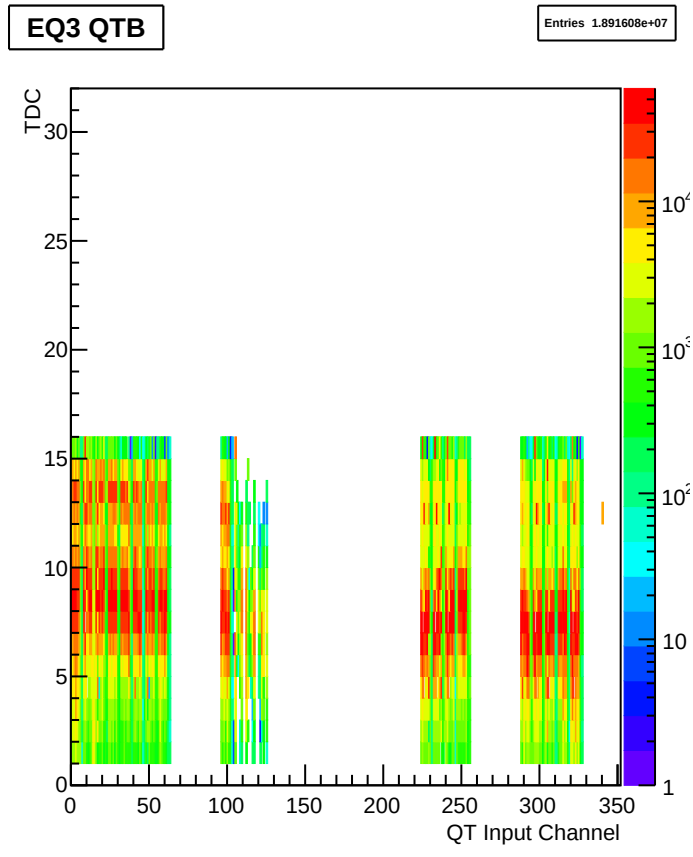

EQ2 QTB
Entries 6.907709e+07
ADC
QT Input Channel

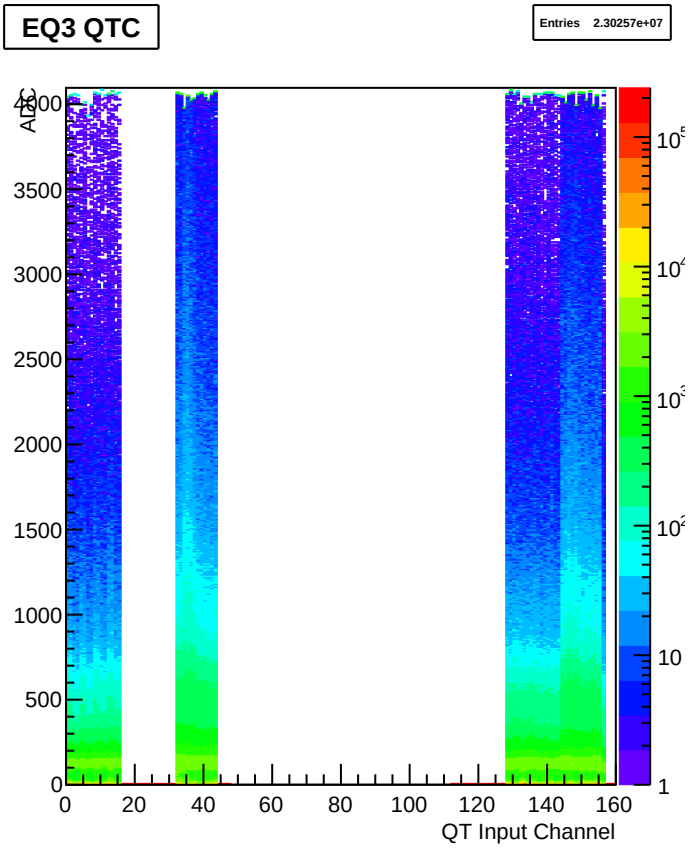

EQ2 QTB
Entries 2.35355e+07
TDC
QT Input Channel

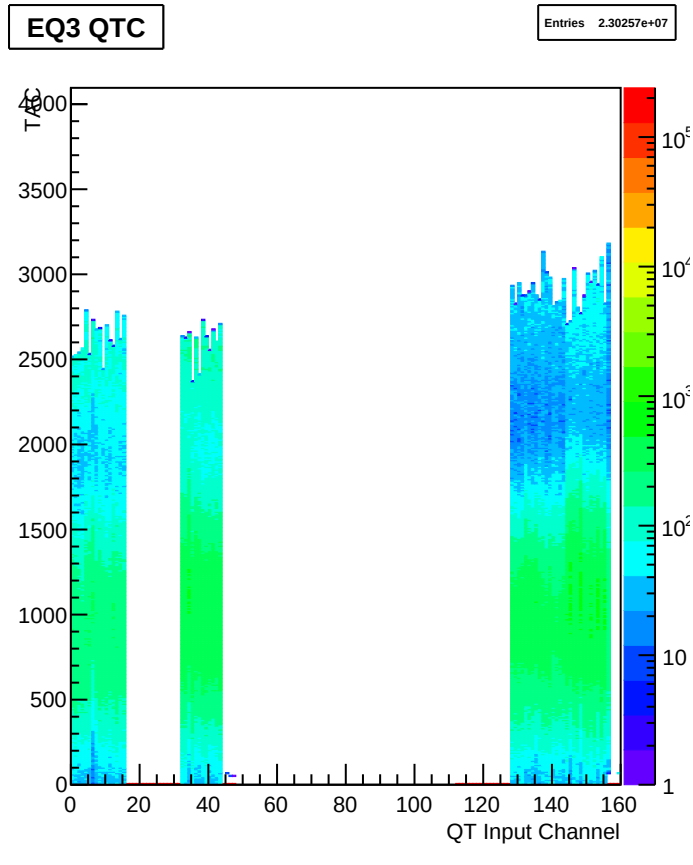

EQ2 QTC
Entries 2.30257e+07
ADC
QT Input Channel

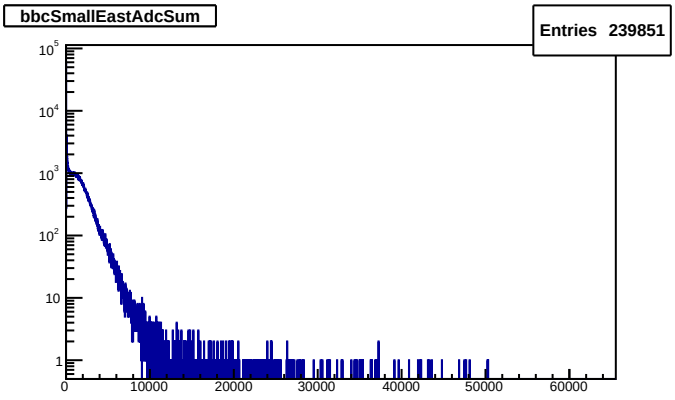

EQ2 QTC
Entries 2.30257e+07
TADC
QT Input Channel

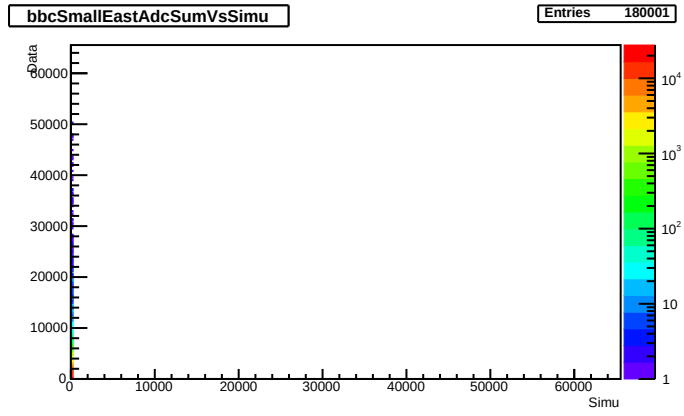

EQ3 QTB
Entries 6.140186e+07
ADC
QT Input Channel

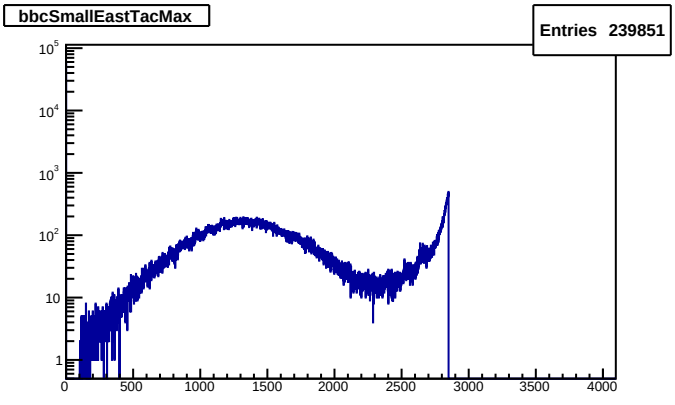

EQ3 QTB
Entries 1.891608e+07
TDC
QT Input Channel

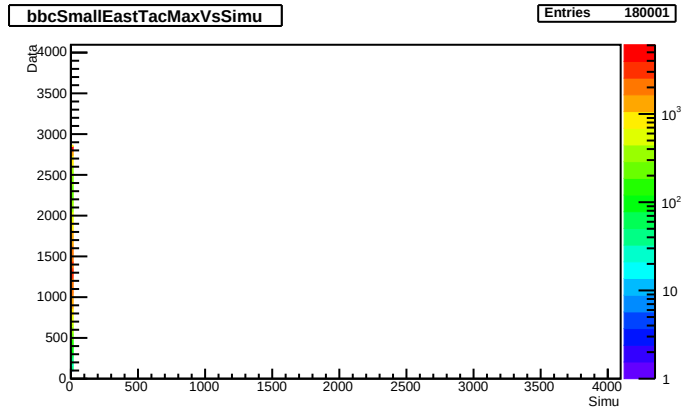

EQ3 QTC
Entries 2.30257e+07
ADC
QT Input Channel


EQ3 QTC
Entries 2.30257e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 239851


bbcSmallEastAdcSumVsSimu
Entries 180001
Data
Simu


bbcSmallEastTacMax
Entries 239851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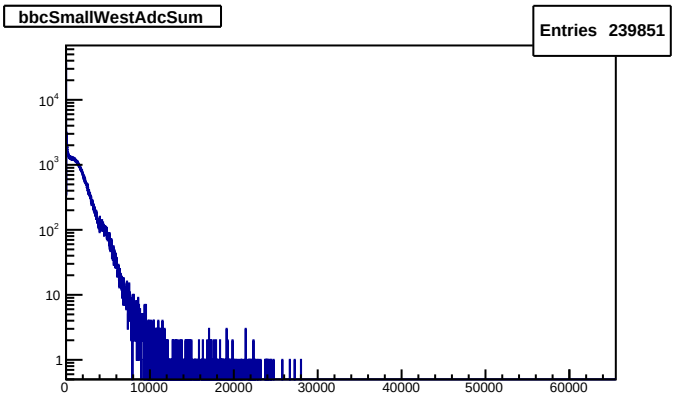
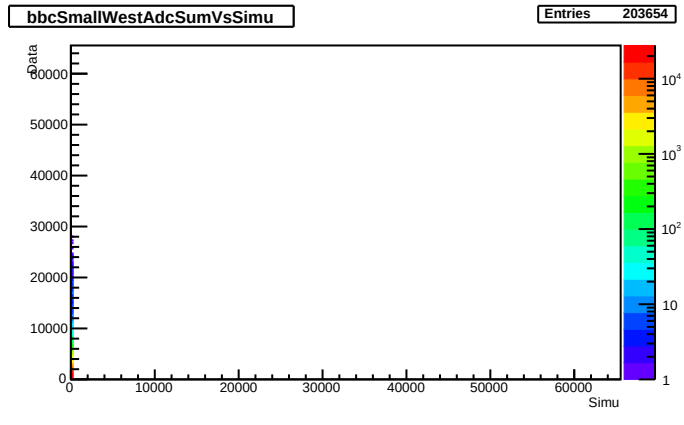
Entries 180001
Data
Simu


bbcSmallWestAdcSum
Entries 239851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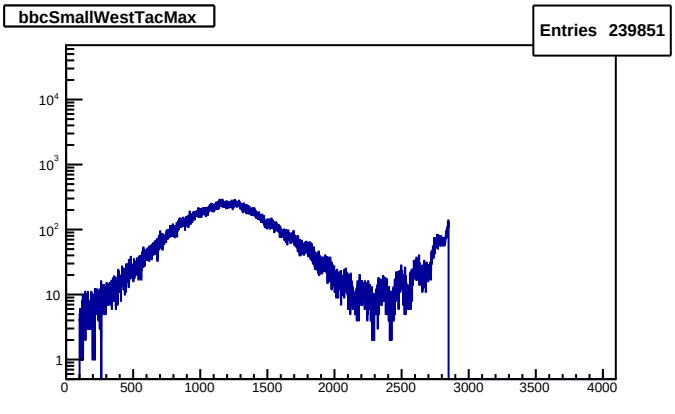
Entries 203654
Data
Simu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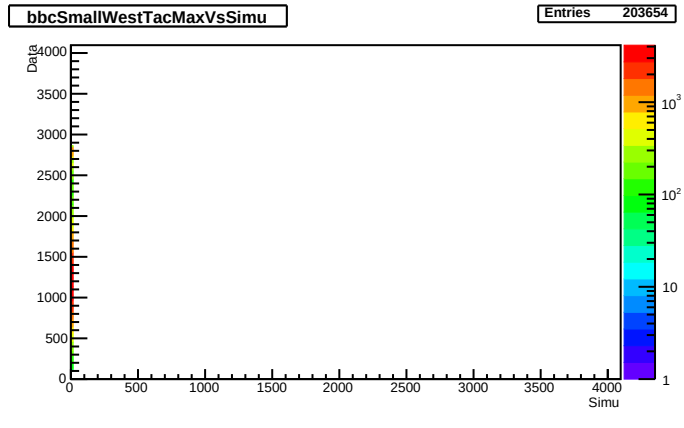
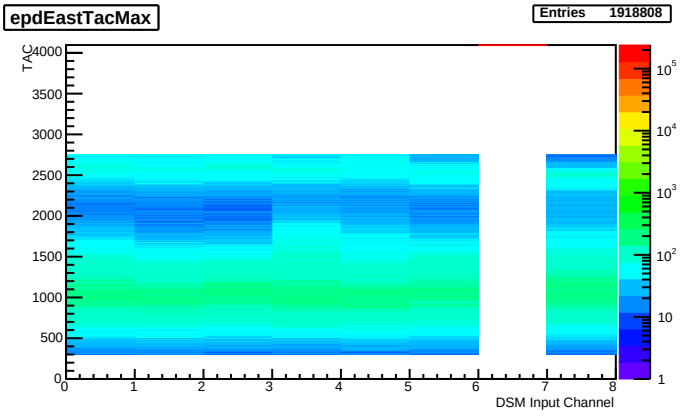
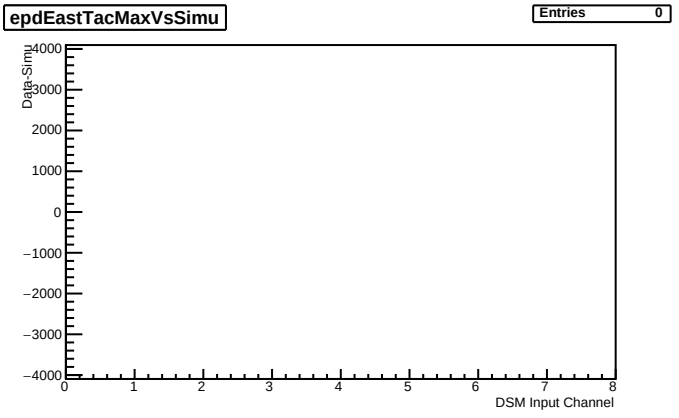
Entries 239851


bbcSmallWestTacMaxVsSimu
Entries 203654
Data
Simu


epdEastTacMax
Entries 1918808
TAC
DSM Input Channel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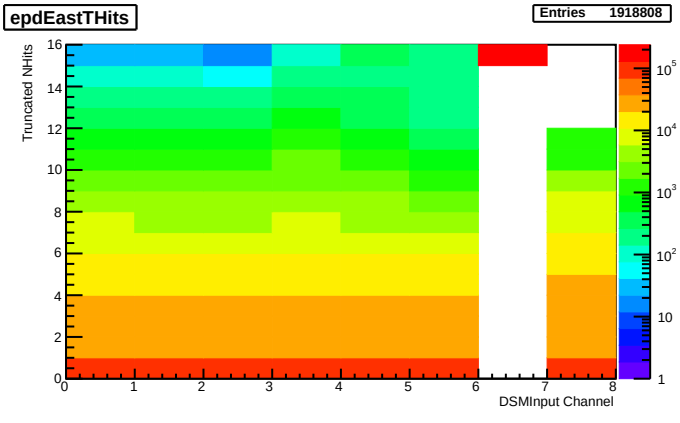
Entries 0
Data-Simu
DSM Input Channel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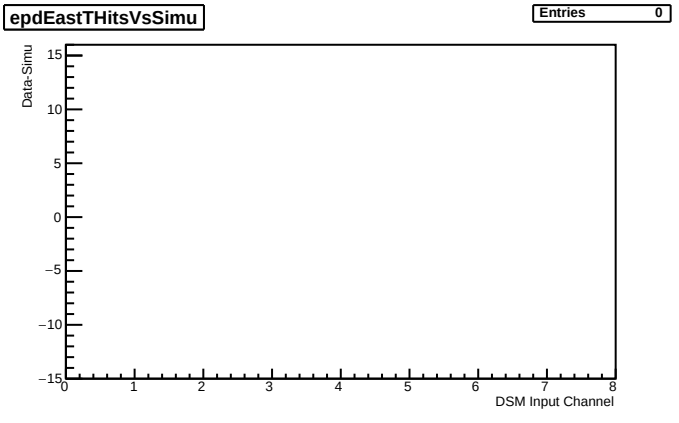
Entries 1918808
Truncated NHits
DSMInput Channel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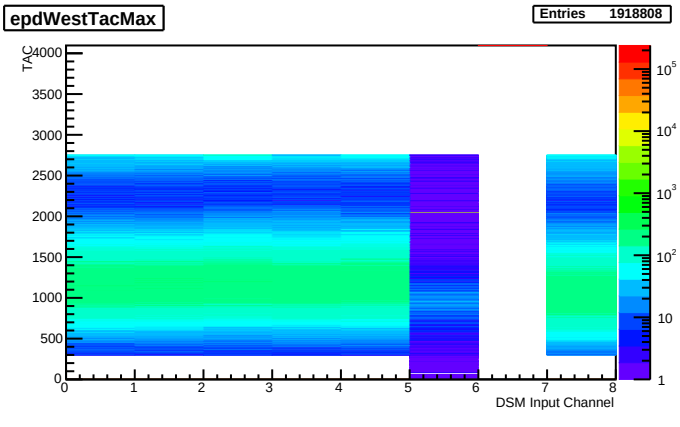
DSM Input Channel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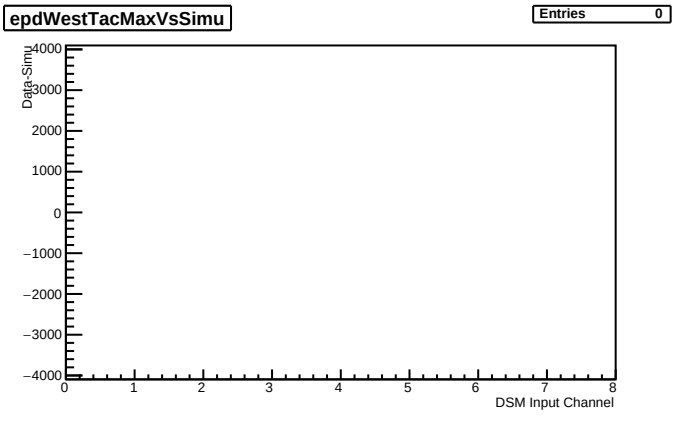
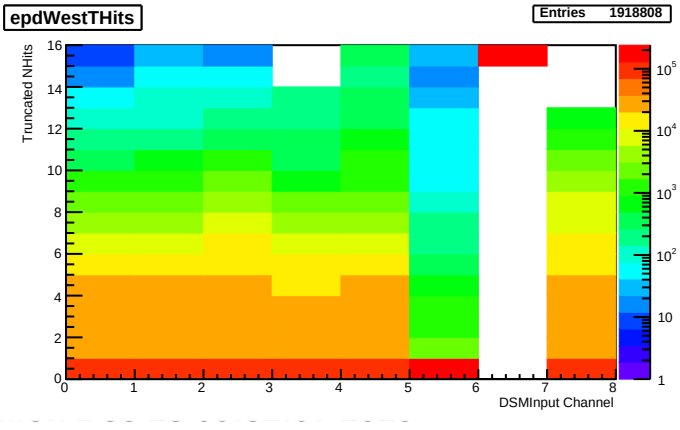
TAC
DSM Input Channel


epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel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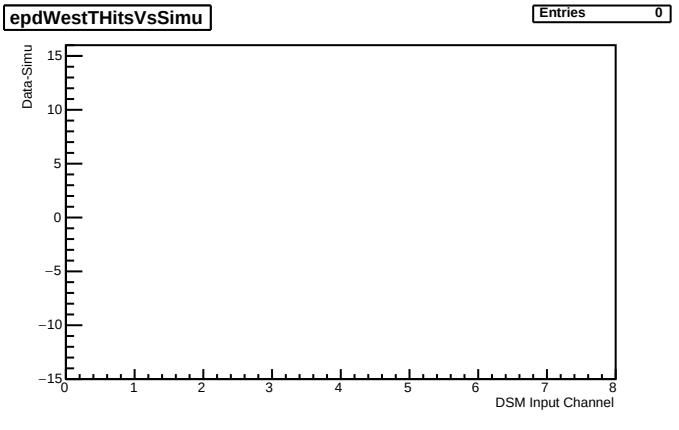
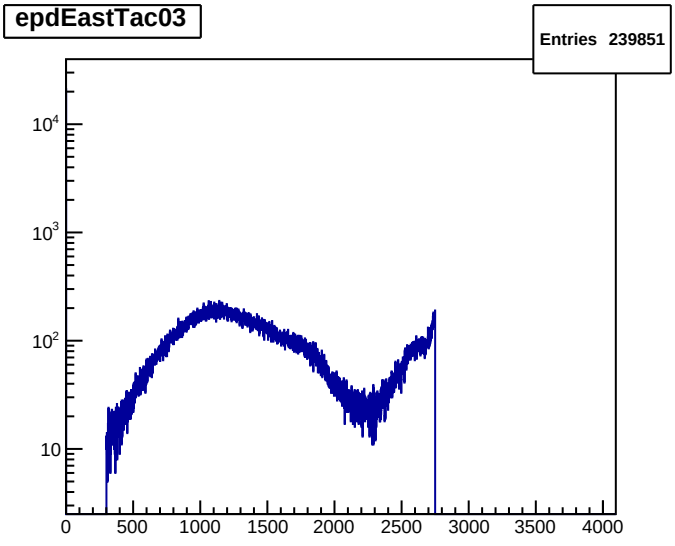
Entries 1918808
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel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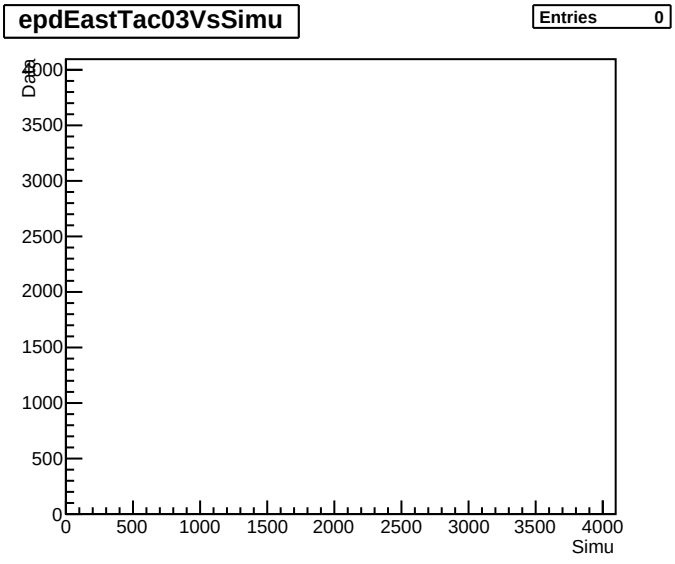
Entries 239851
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


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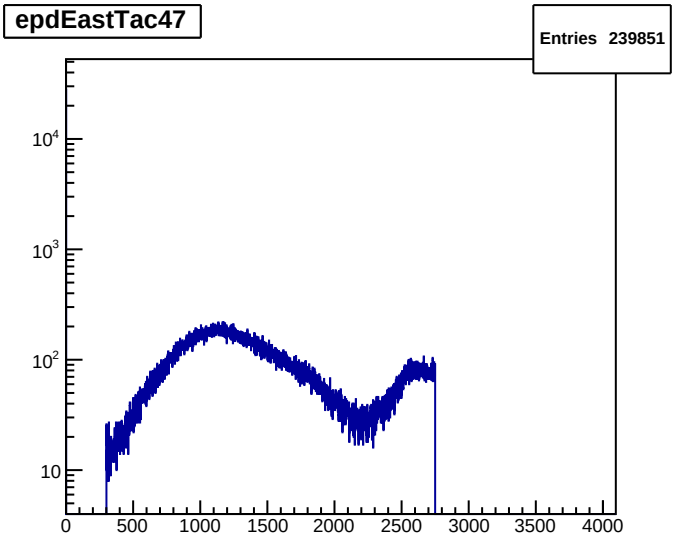
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastTac47
Entries 239851
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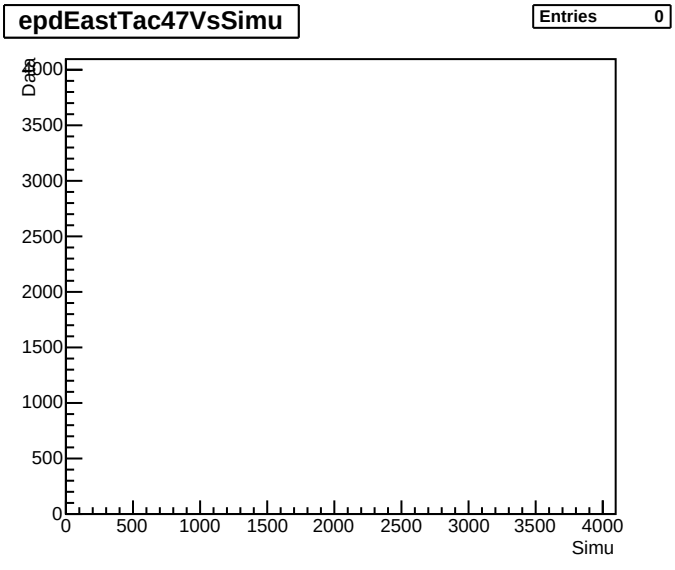
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000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Entries 0
Data
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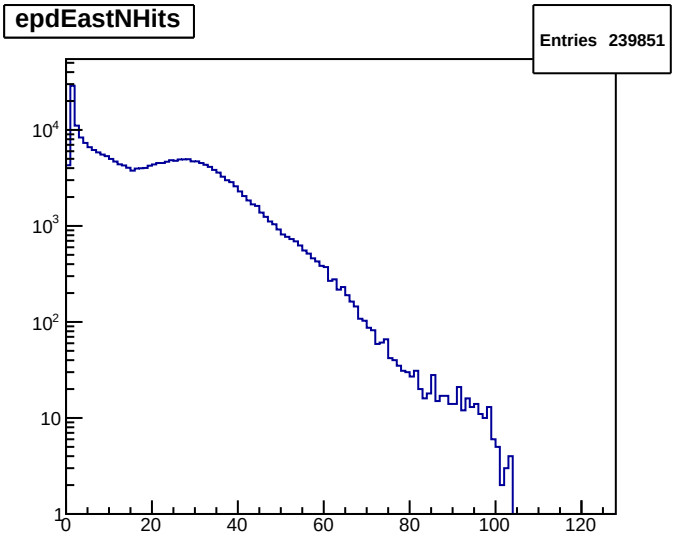
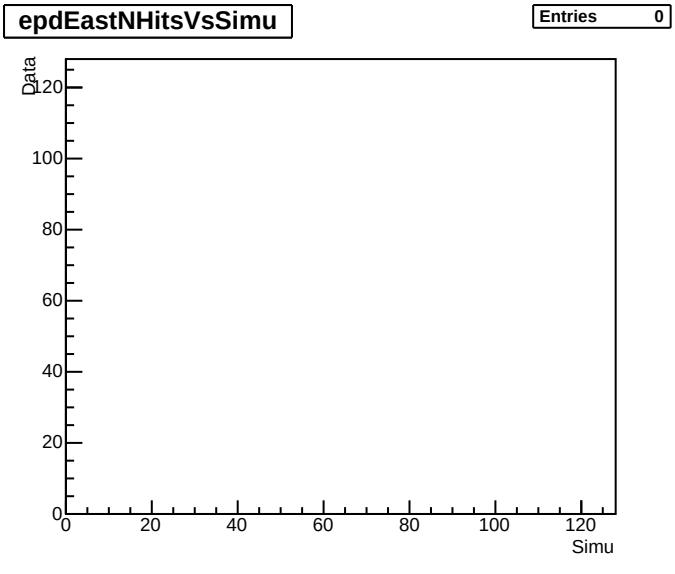
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastNHits
Entries 239851
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120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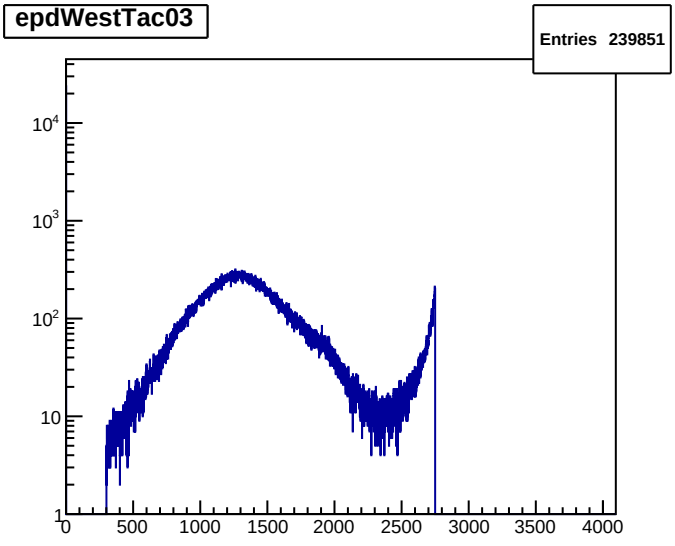
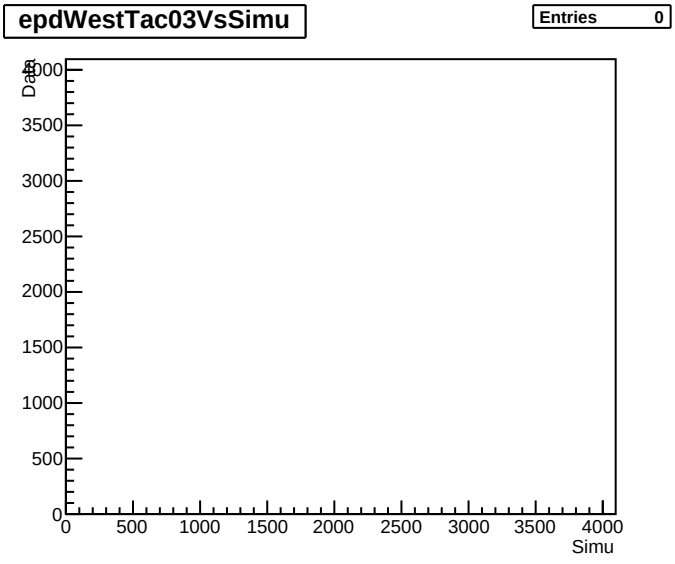
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu


epdWestTac03
Entries 239851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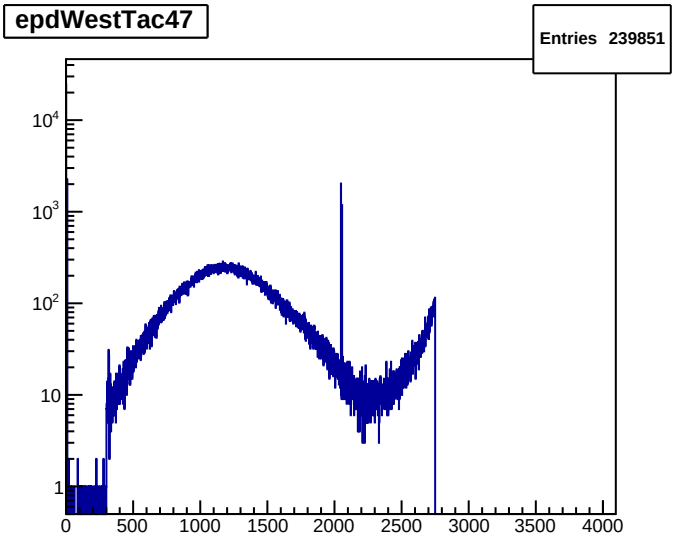
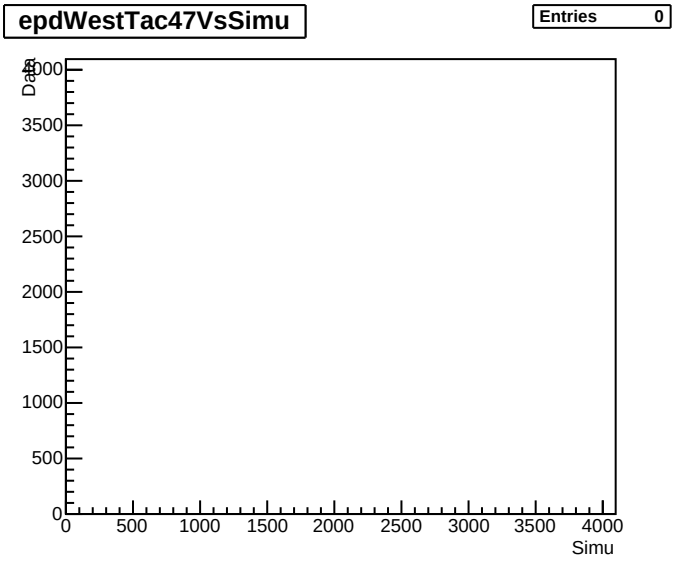
Entries 0
Data
Simu


epdWestTac47
Entries 239851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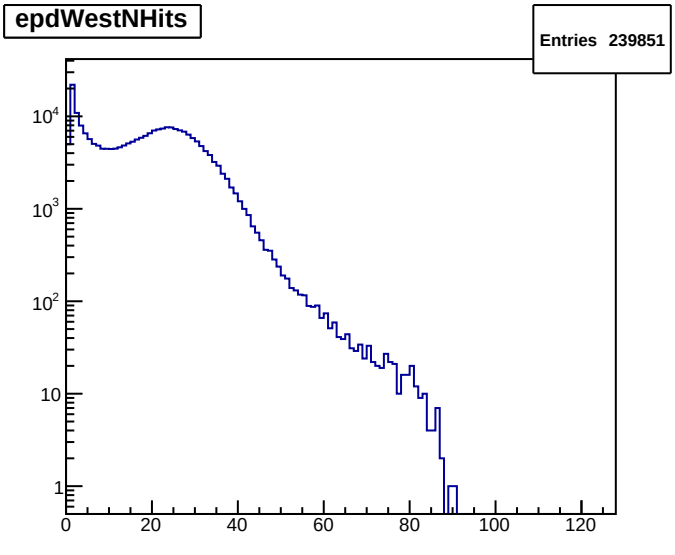
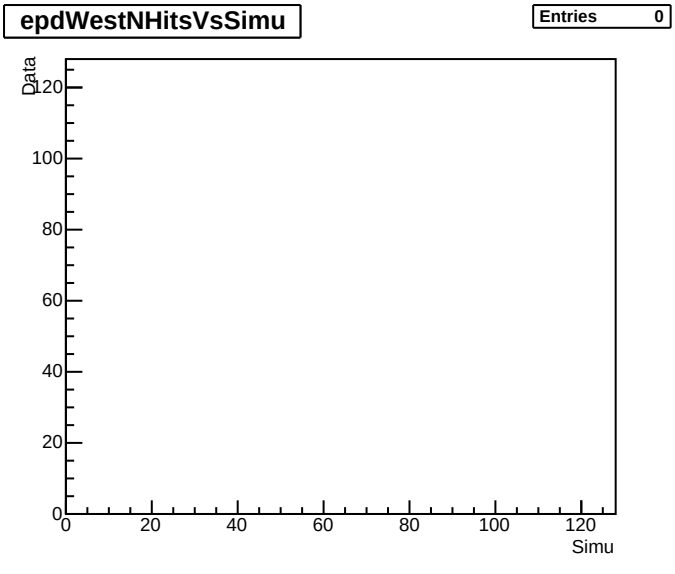
Entries 0
Data
Simu


epdWestNHits
Entries 239851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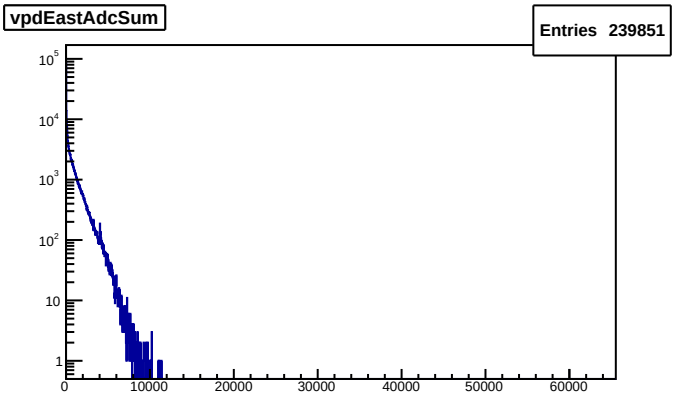
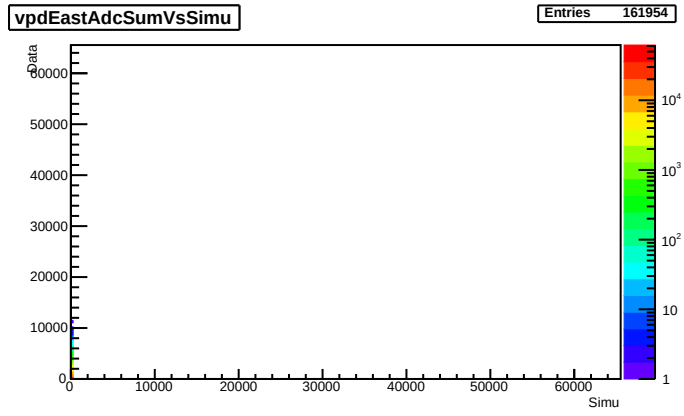
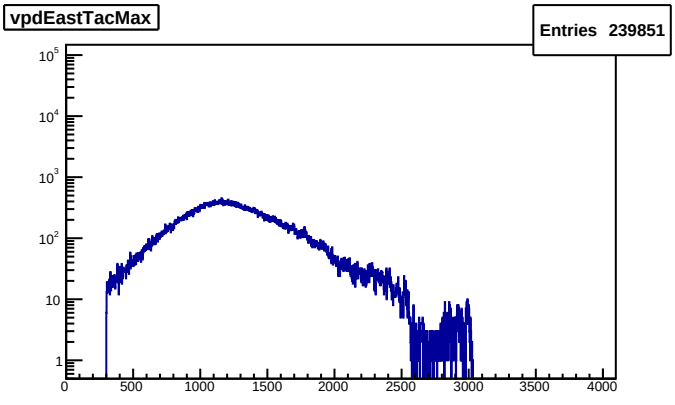
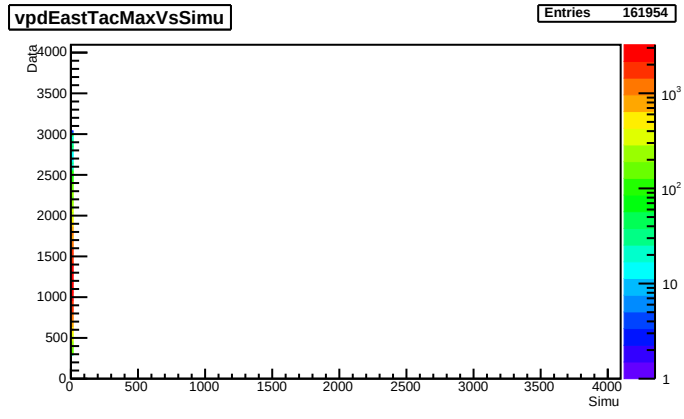
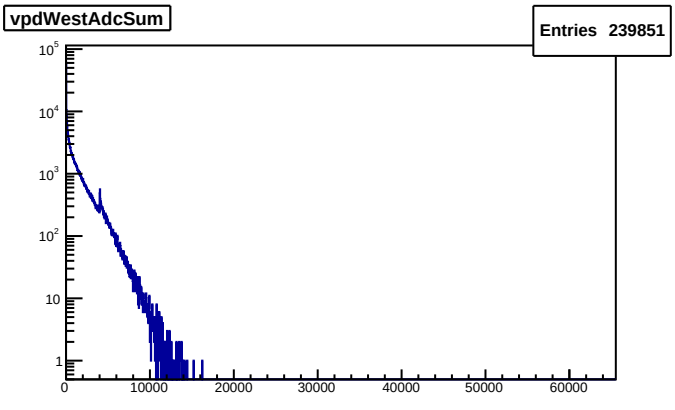
Entries 0
Data
Simu

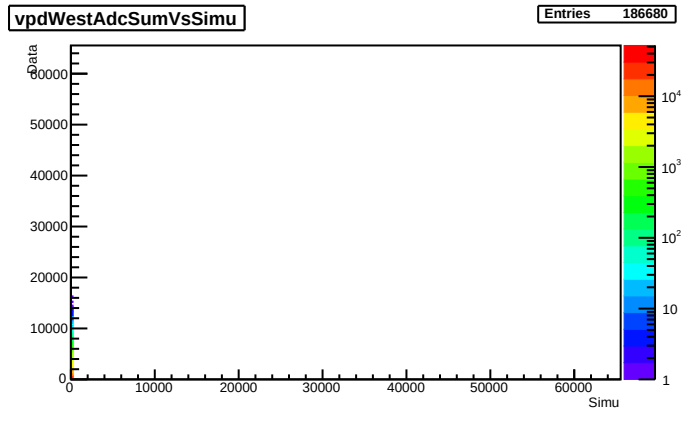

vpdEastAdcSum
Entries 239851

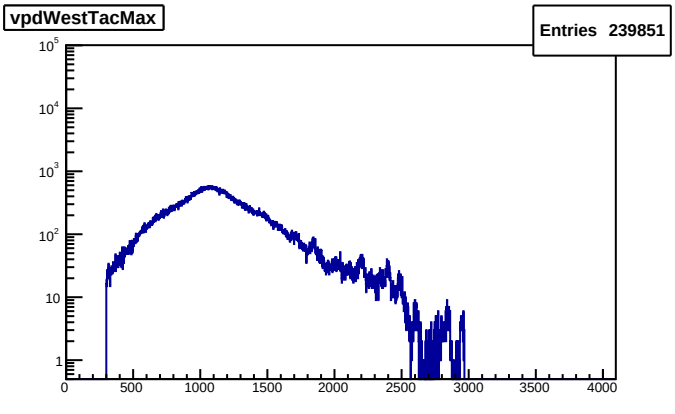

vpdEastAdcSumVsSimu
Entries 161954
Data
Simu

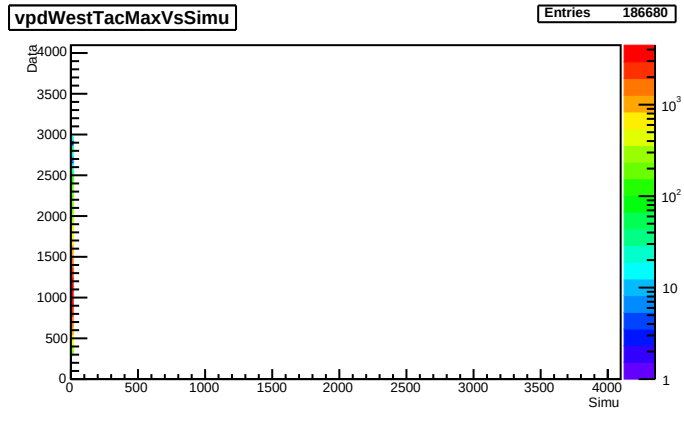

vpdEastTacMax
Entries 239851

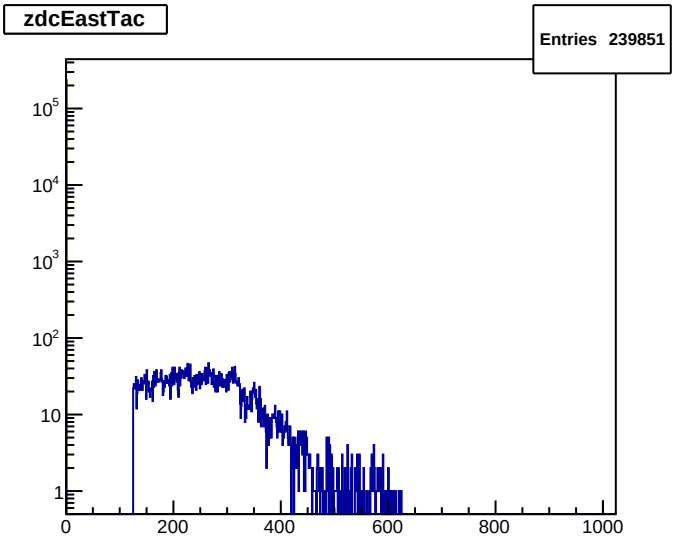

vpdEastTacMaxVsSimu
Entries 161954
Data
Simu

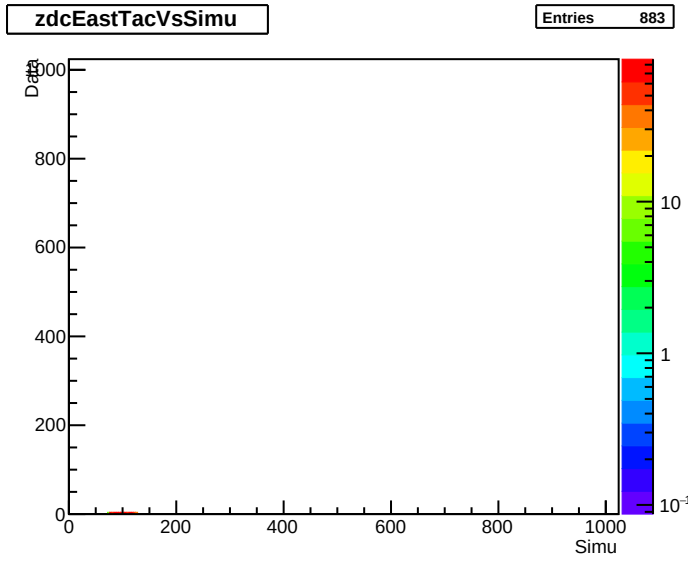

vpdWestAdcSum
Entries 239851

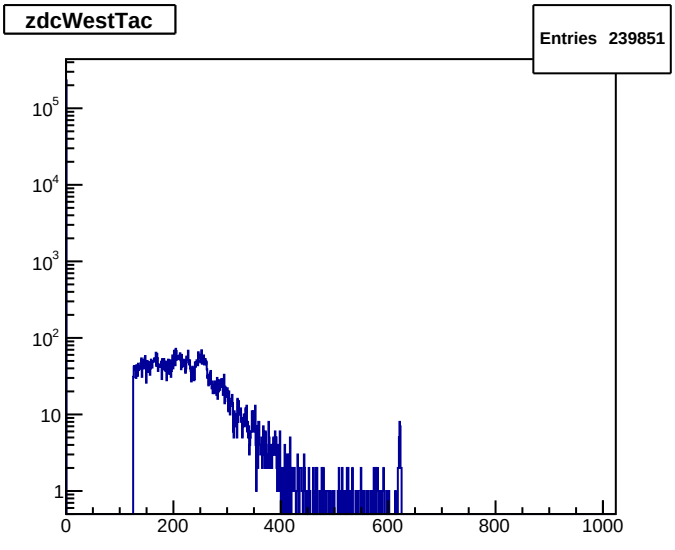

vpdWestAdcSumVsSimu
Entries 186680
Data
Simu

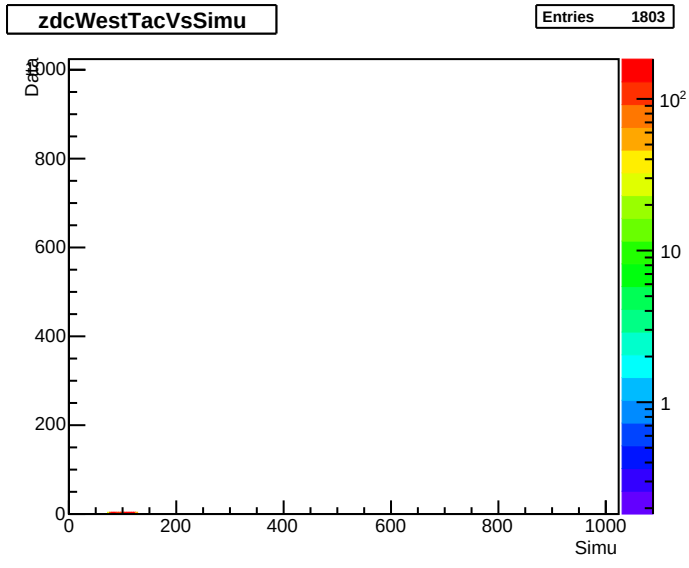

vpdWestTacMax
Entries 239851

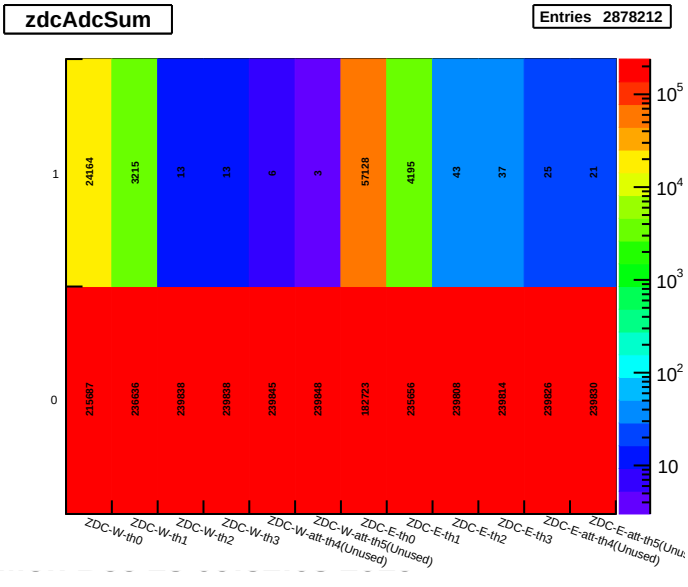

vpdWestTacMaxVsSimu
Entries 186680
Data
Simu

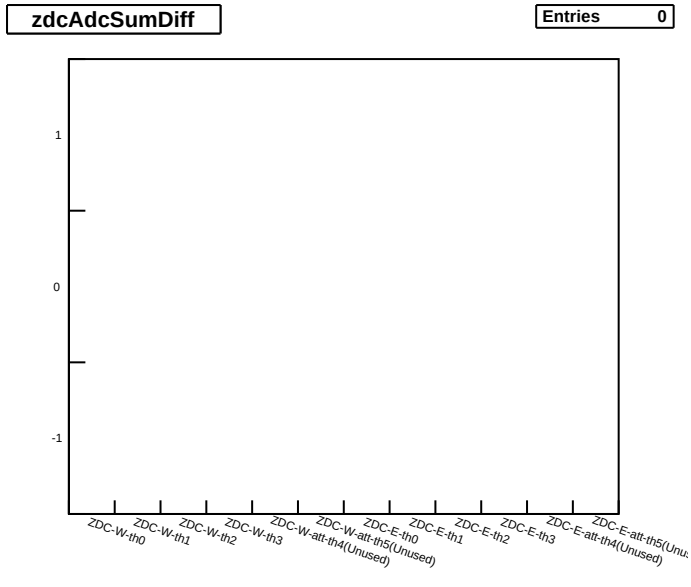

zdcEastTac
Entries 239851

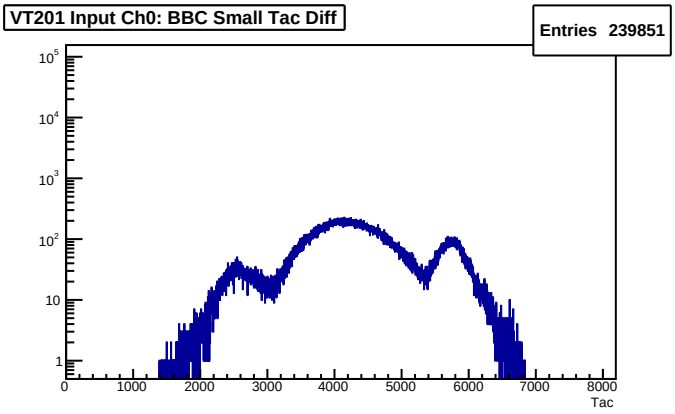

zdcEastTacVsSimu
Entries 883
Data
Simu

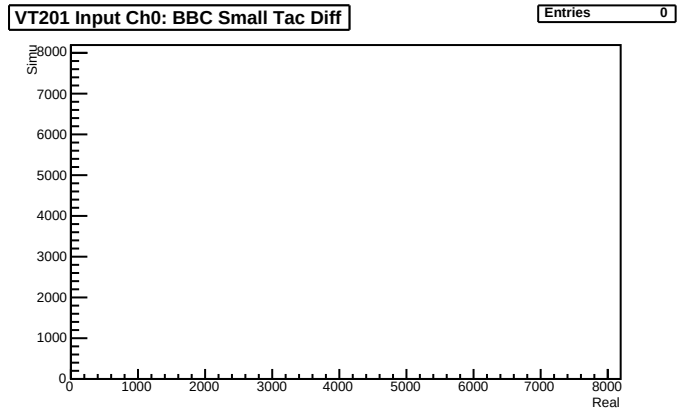

zdcWestTac
Entries 239851

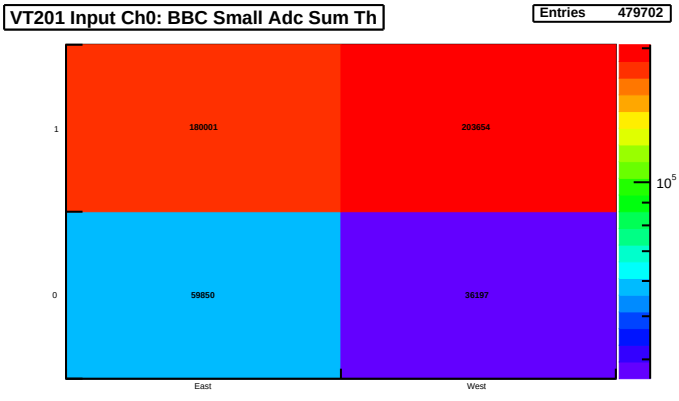

zdcWestTacVsSimu
Entries 1803
Data
Simu

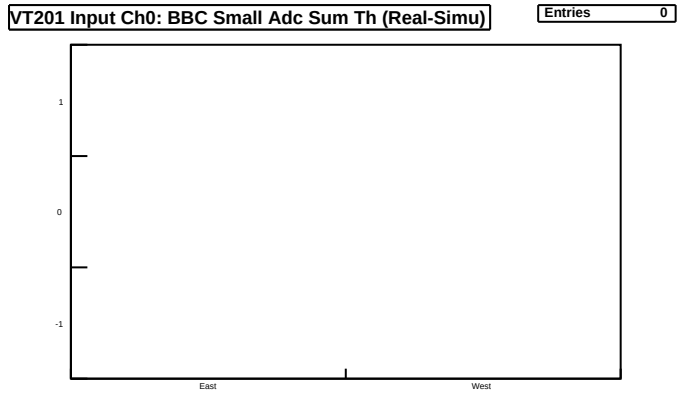

zdcAdcSum
Entries 2878212
24164
3215
13
13
6
3
57128
4195
43
37
25
21
215687
226636
239838
239838
239845
239848
182723
235666
239808
239814
239826
239830
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

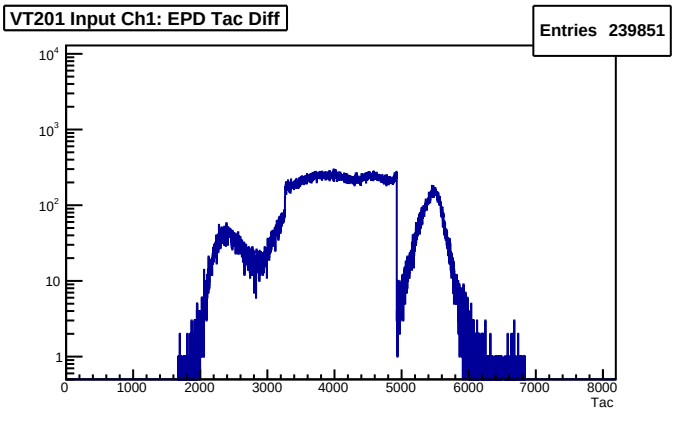

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

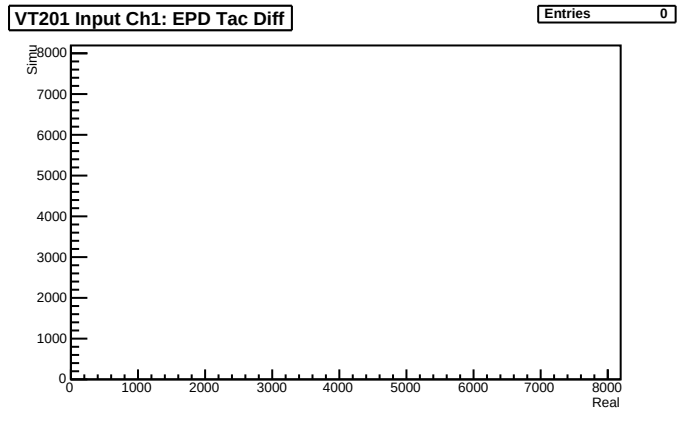

VT201 Input Ch0: BBC Small Tac Diff
Entries 239851
Tac

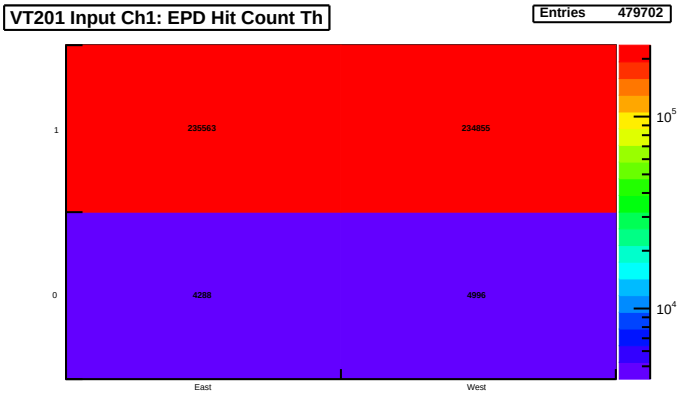

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

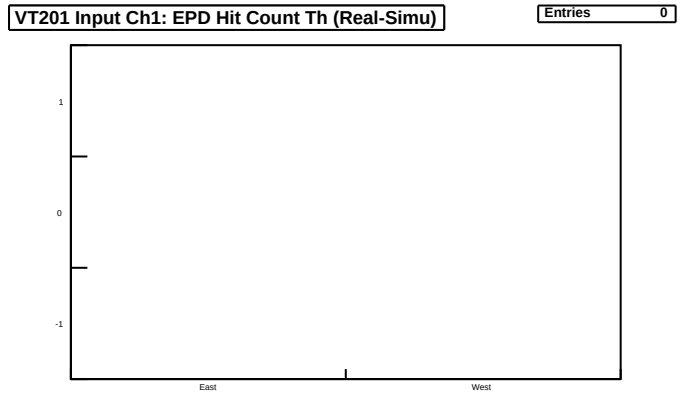

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 479702
180001
203654
59850
36197
East
West

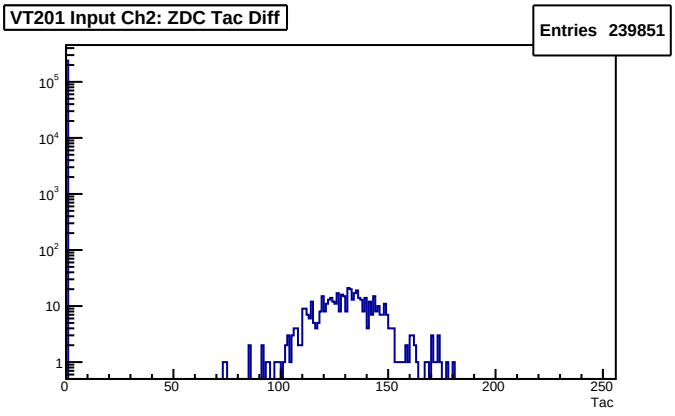

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

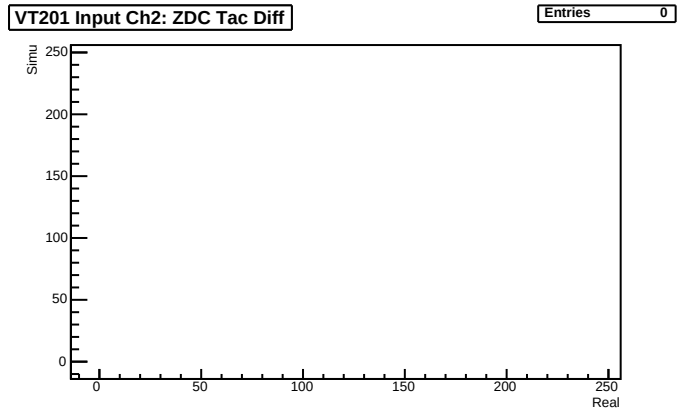

VT201 Input Ch1: EPD Tac Diff
Entries 239851
Tac

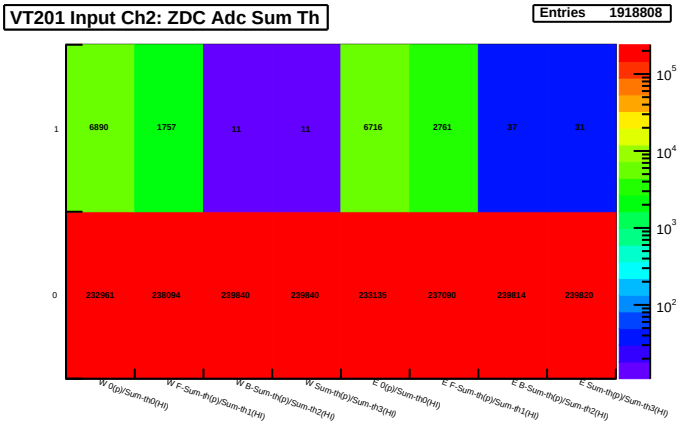

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

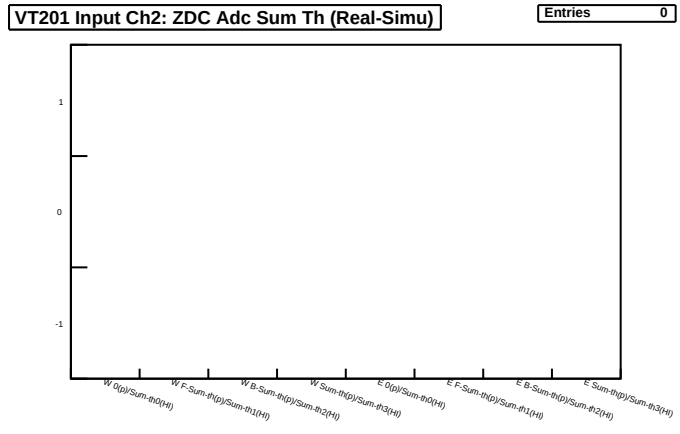

VT201 Input Ch1: EPD Hit Count Th
Entries 479702
235563
234855
4288
4996
East
West

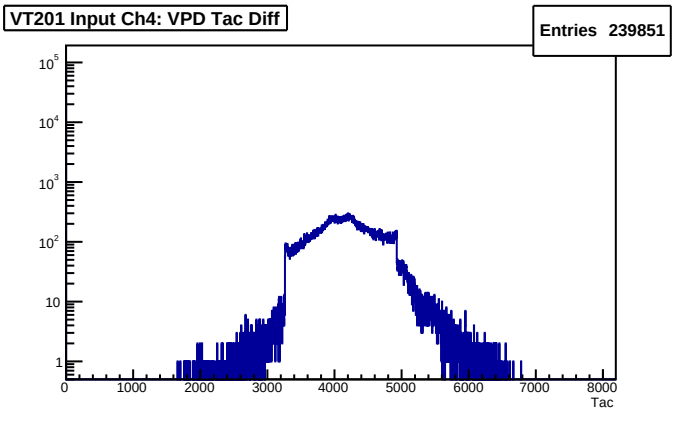

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

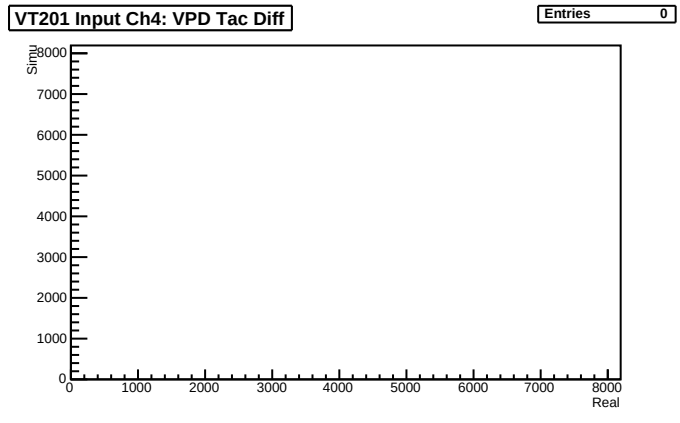

VT201 Input Ch2: ZDC Tac Diff
Entries 239851
Tac

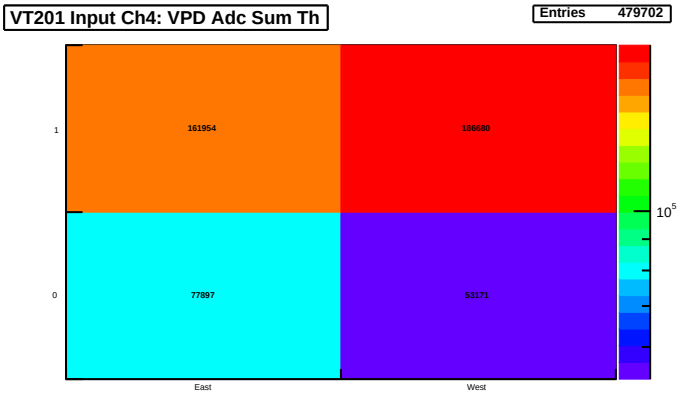

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

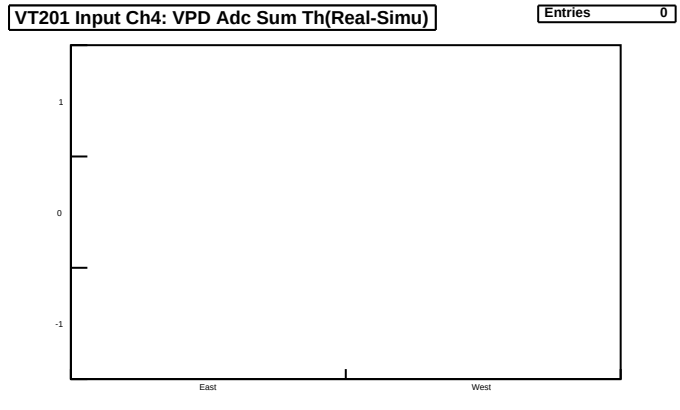

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1918808
6890
1757
11
11
6716
2761
37
31
232961
238094
239840
239840
233135
237090
239814
239820
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

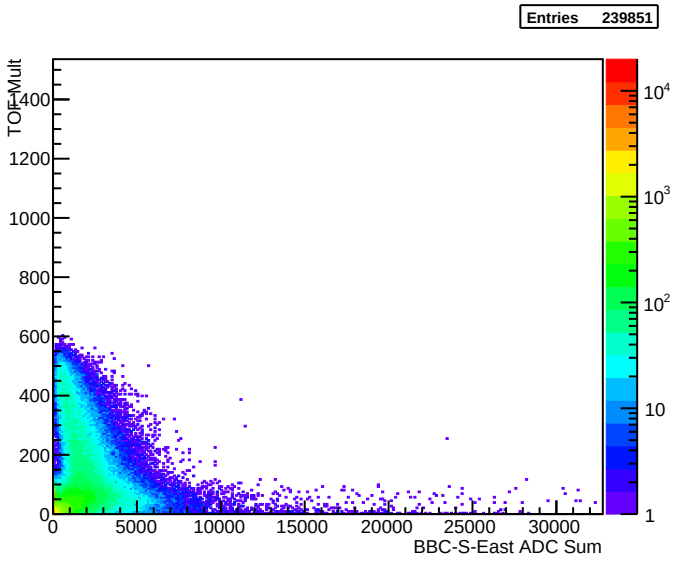

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

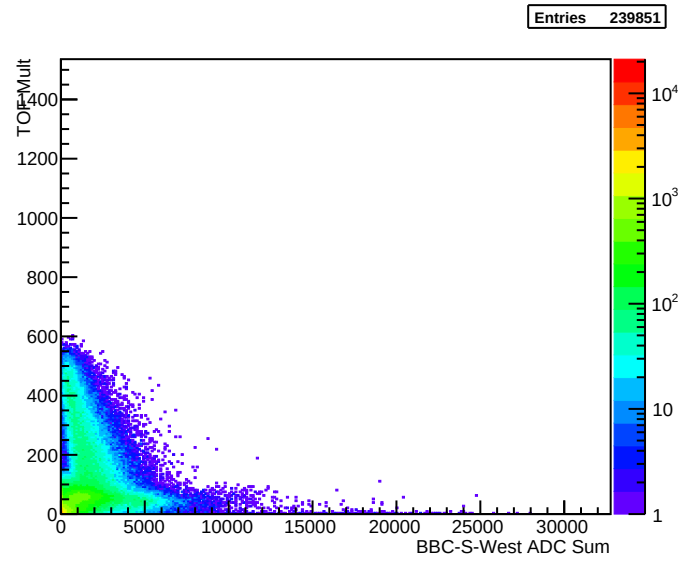

VT201 Input Ch4: VPD Tac Diff
Entries 239851
Tac

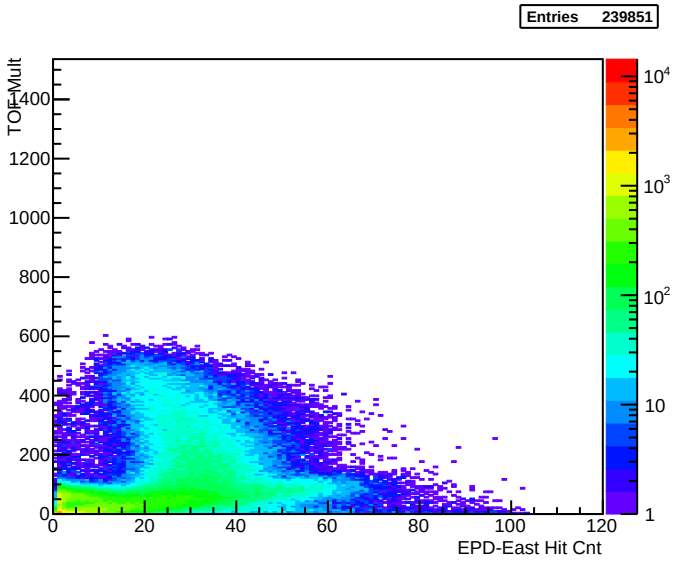

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

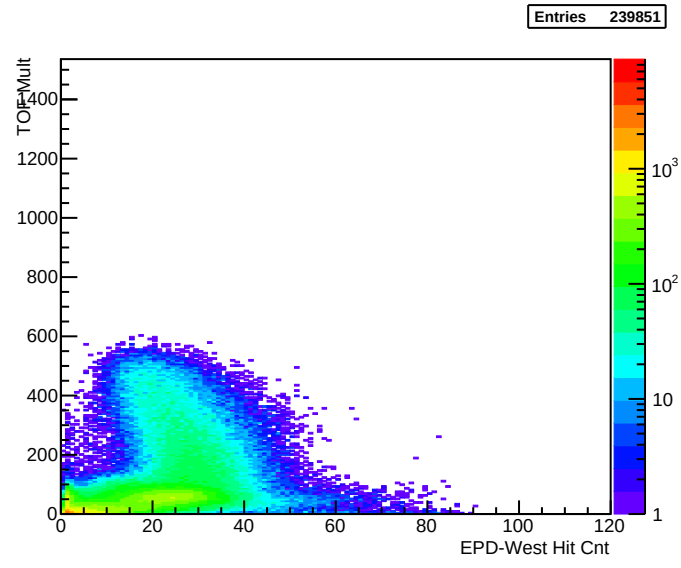

VT201 Input Ch4: VPD Adc Sum Th
Entries 479702
161954
186680
77897
53171
East
West

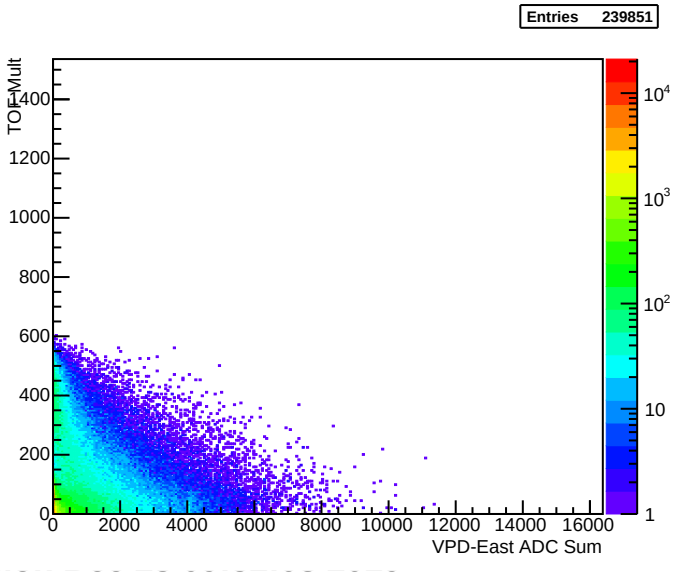

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

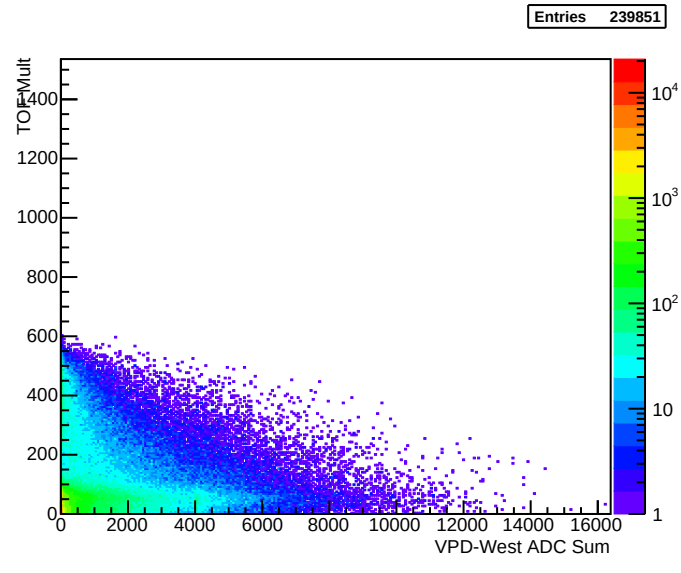

Entries 239851
TOF-Mult
BBC-S-East ADC Sum

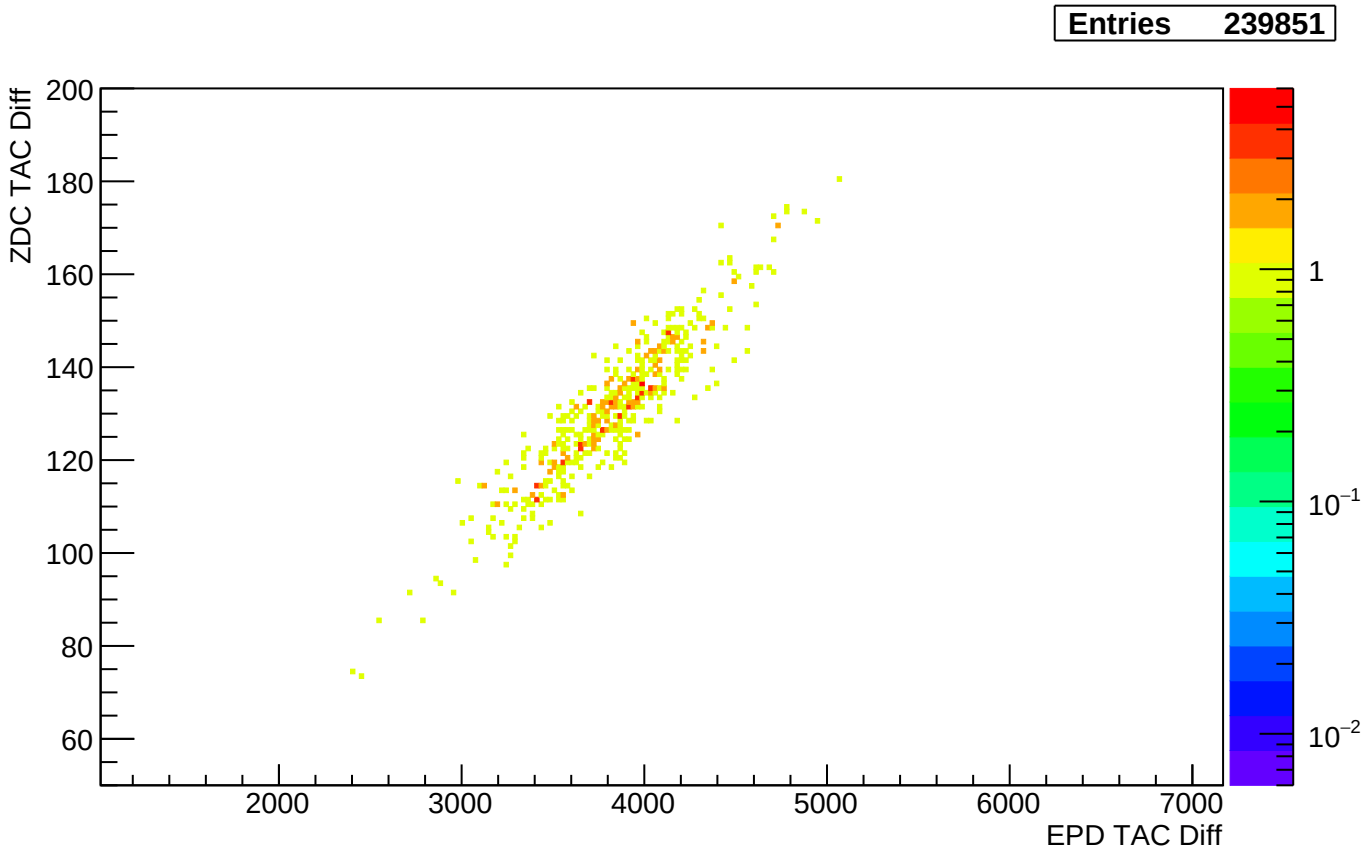

Entries 239851
TOF-Mult
BBC-S-West ADC Sum

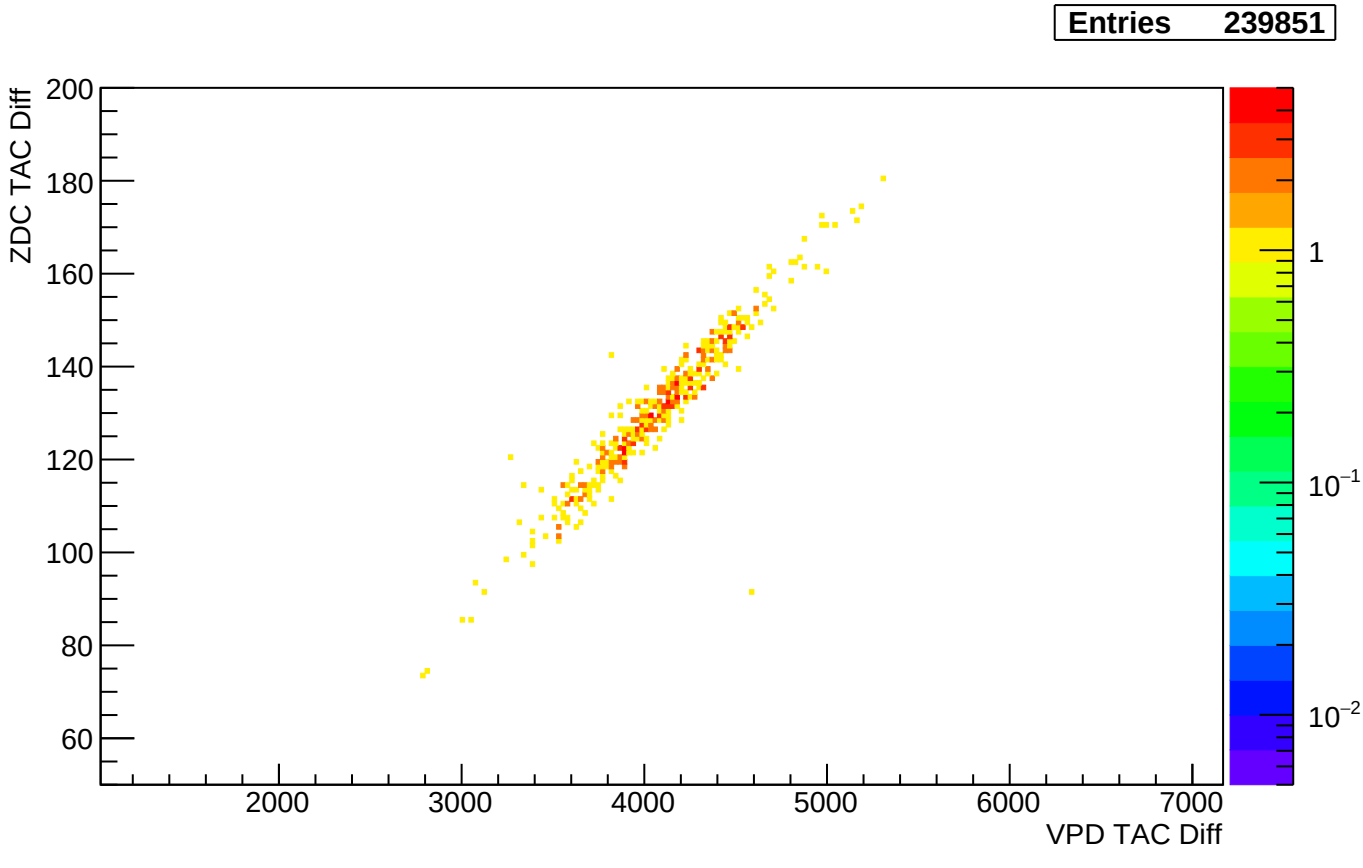

Entries 239851
TOF-Mult
EPD-East Hit Cnt

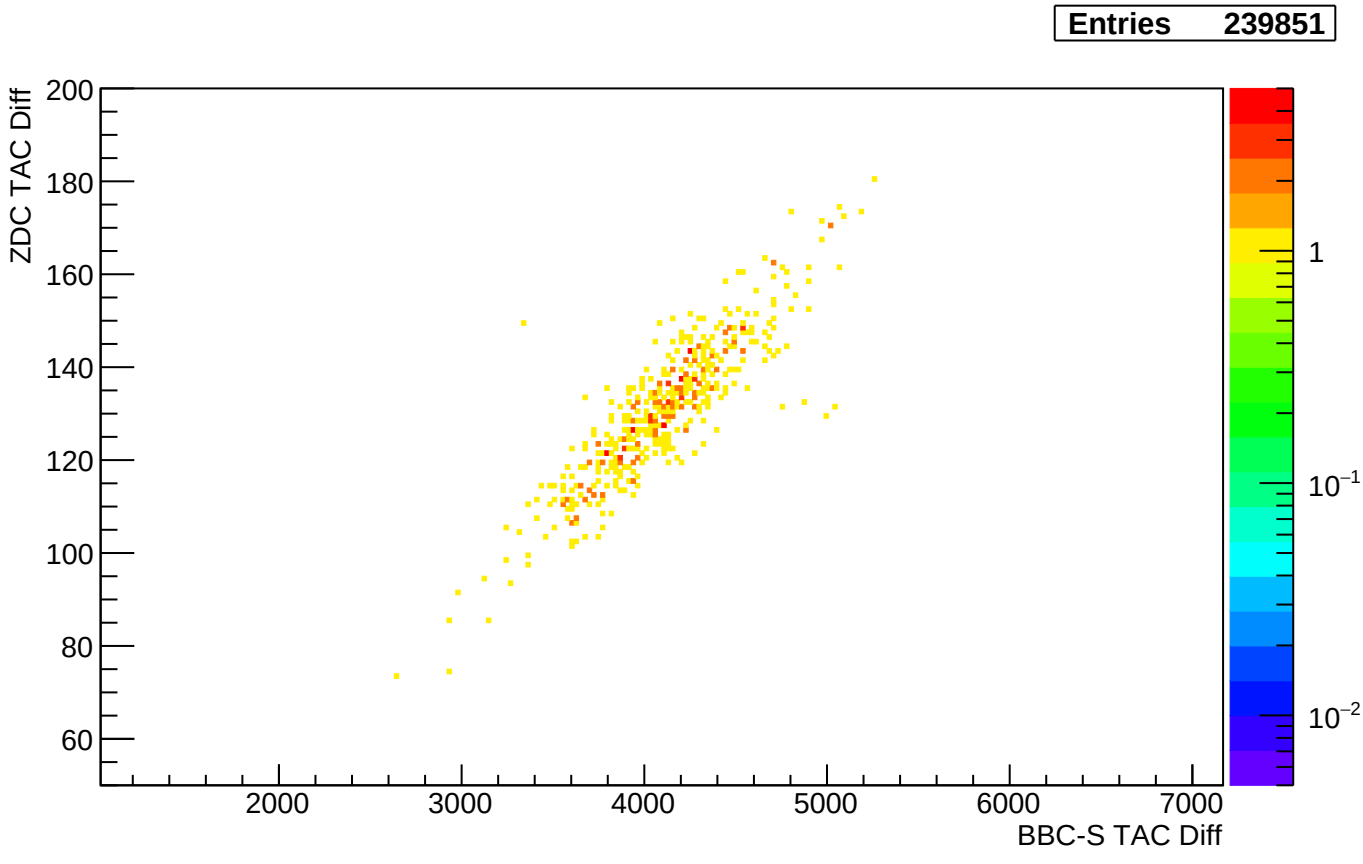

Entries 239851
TOF-Mult
EPD-West Hit Cnt

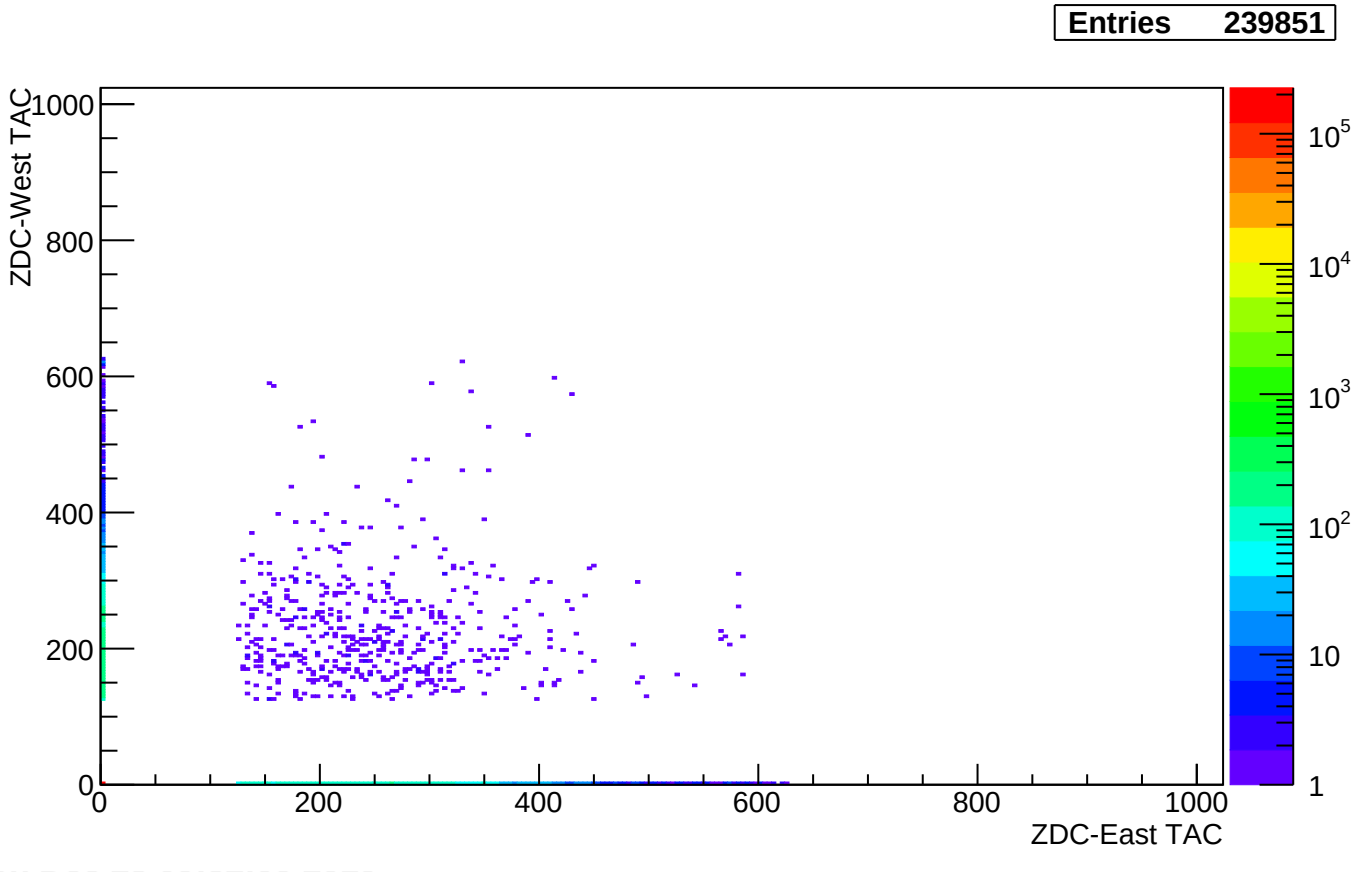

Entries 239851
TOF-Mult
VPD-East ADC Sum

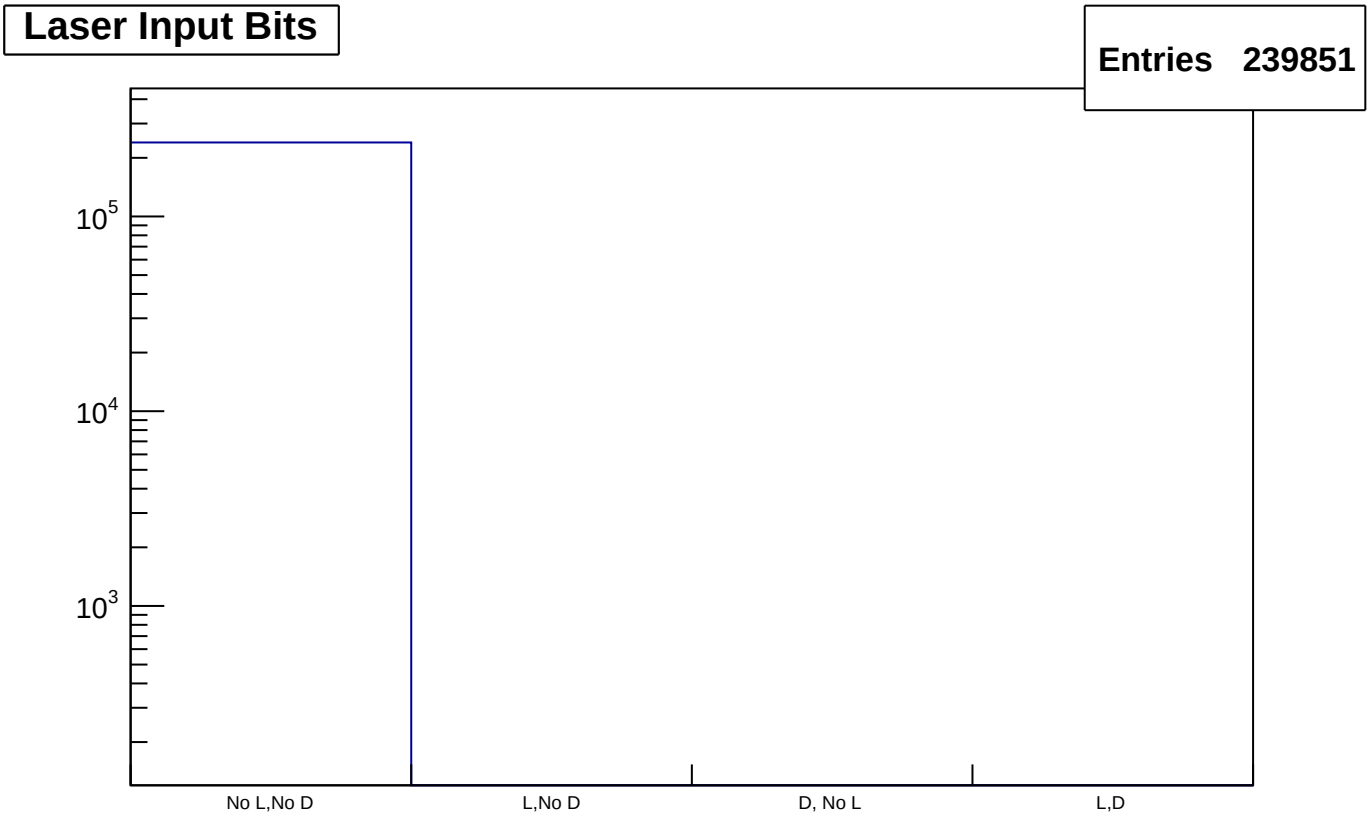

Entries 239851
TOF-Mult
VPD-West ADC Sum

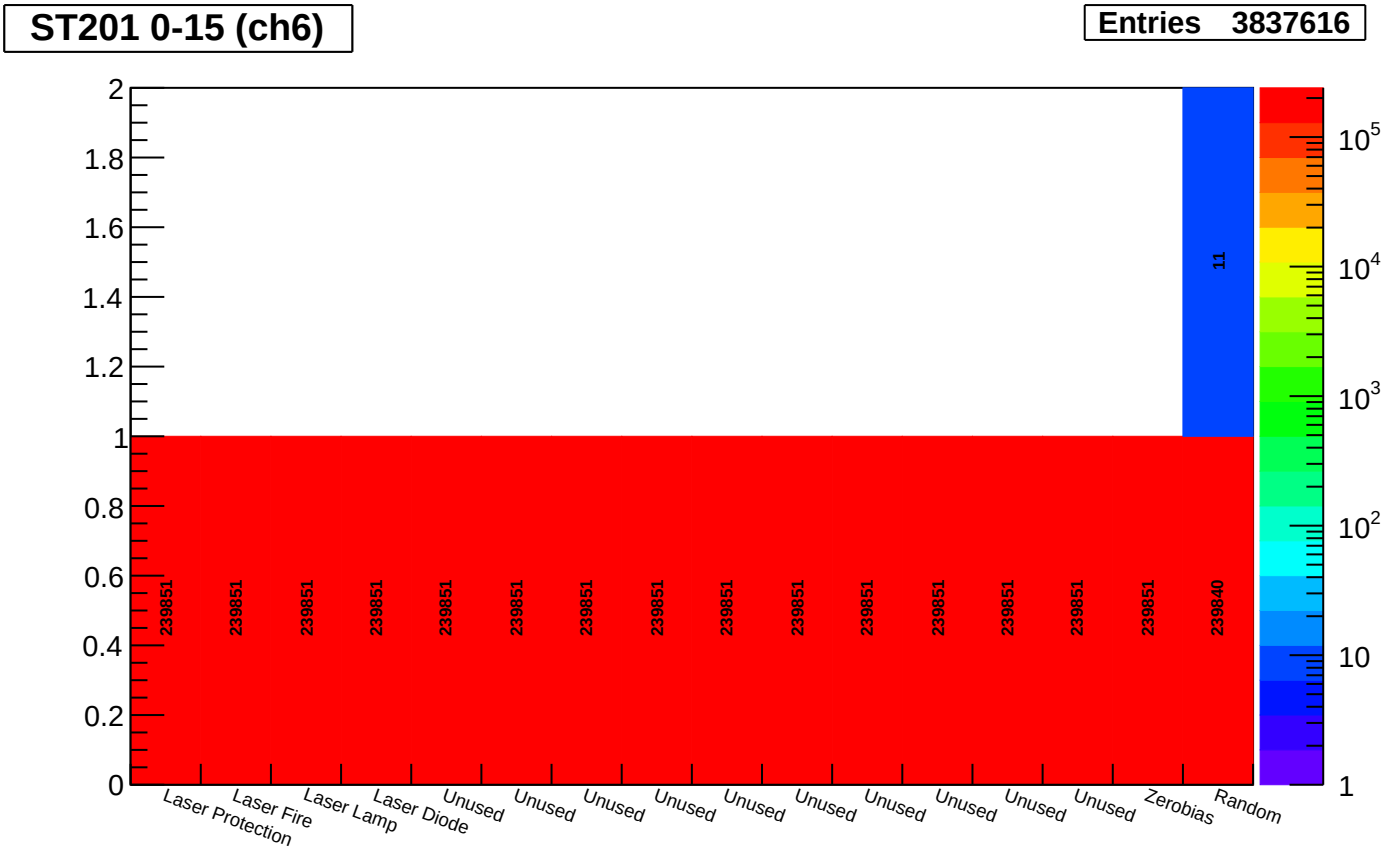

Entries 239851
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

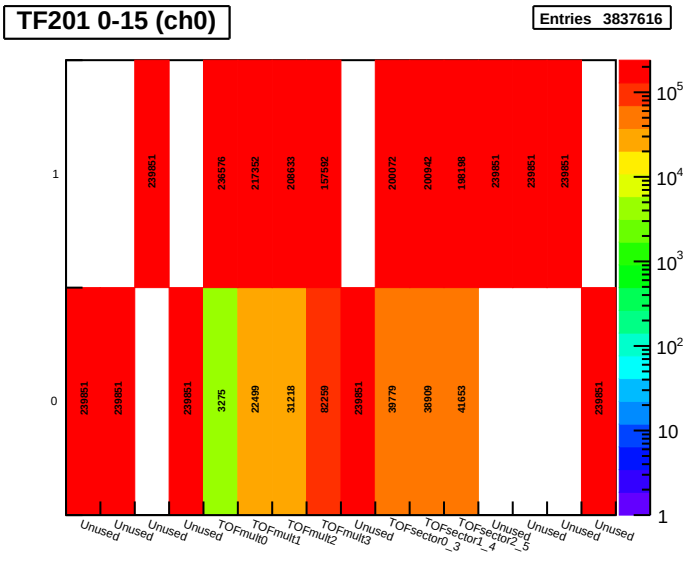

Entries 239851
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

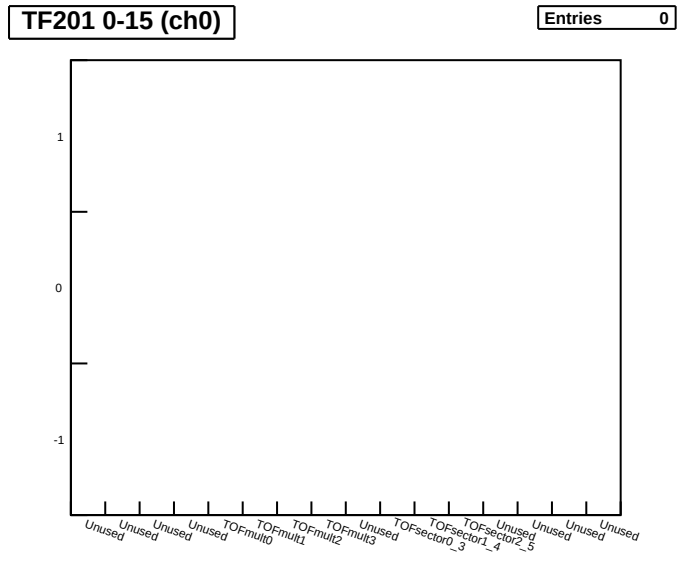

Entries 239851
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

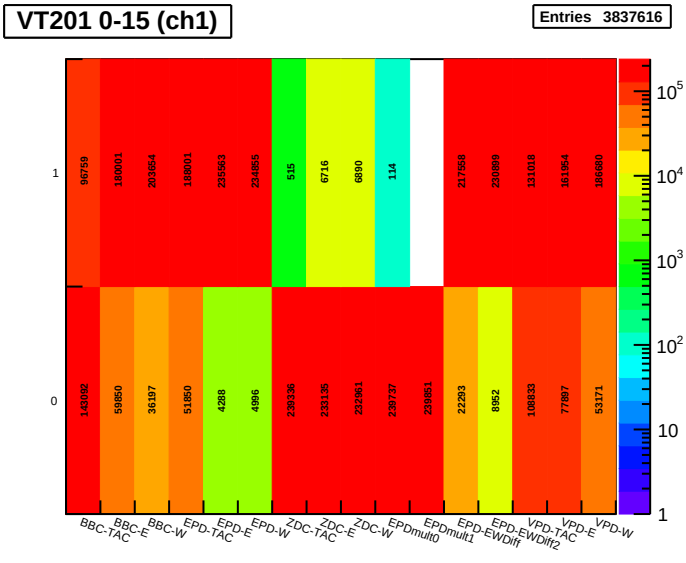

Entries 239851
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

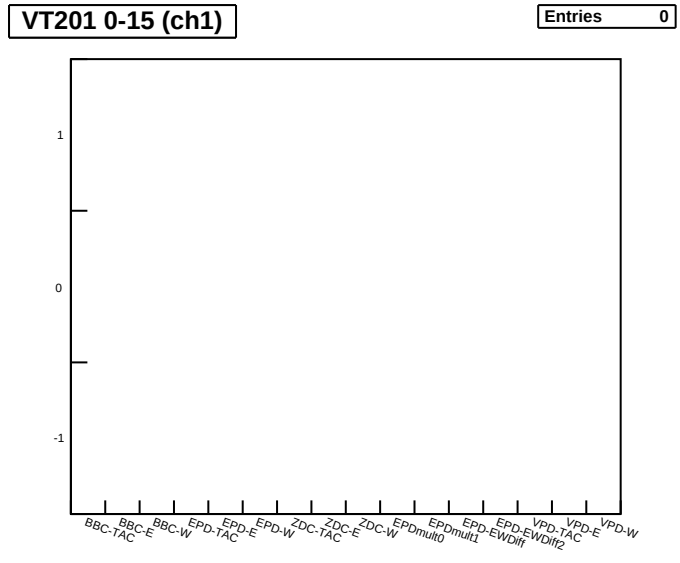

Laser Input Bits
Entries 239851
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

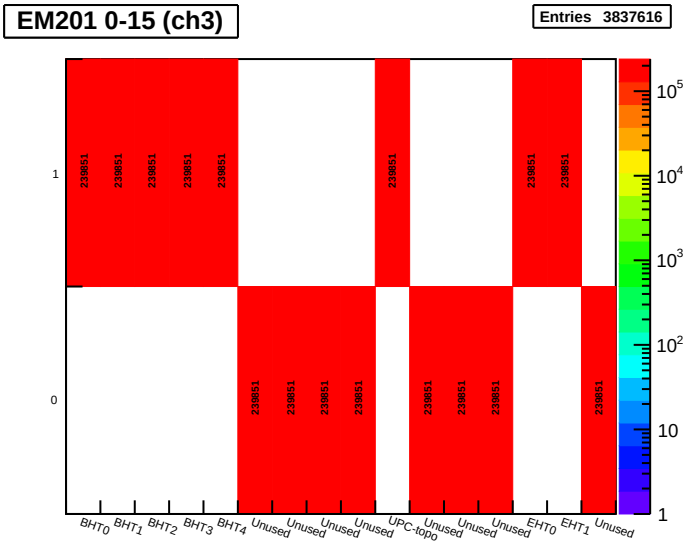

ST201 0-15 (ch6)
Entries 3837616
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
11
239851
239840
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

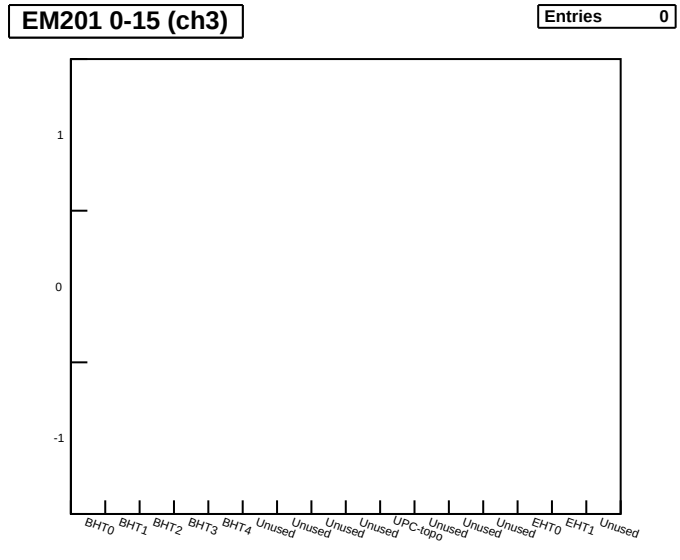

TF201 0-15 (ch0)
Entries 3837616
1
0
239851
236576
217352
208633
157592
200072
200942
198198
239851
239851
239851
239851
239851
239851
3275
22499
31218
82259
239851
39779
38909
41653
239851
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
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


VT201 0-15 (ch1)
Entries 3837616
1
0
96759
180001
203654
188001
235563
234855
515
6716
6890
114
217558
230899
131018
161954
186680
143092
59850
36197
51850
4288
4996
239336
233135
232061
239737
239851
22293
8952
106833
77897
53171
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 3837616
1
0
239851
239851
239851
239851
239851
239851
239851
239851
239851
239851
239851
239851
239851
239851
239851
239851
239851
239851
239851
239851
239851
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