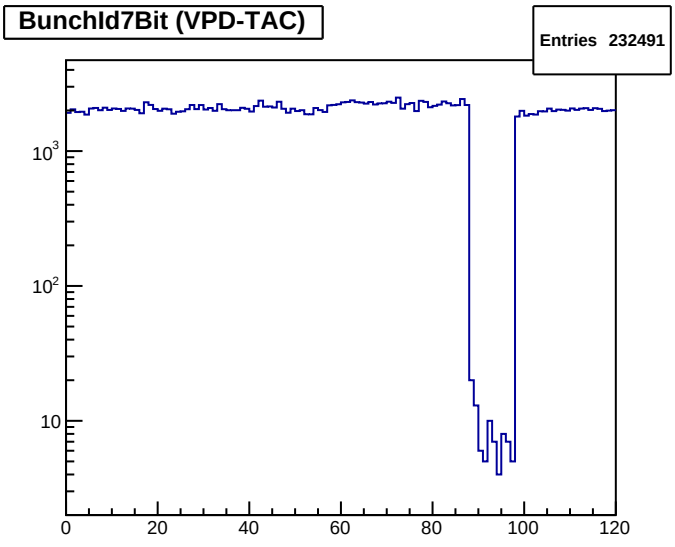
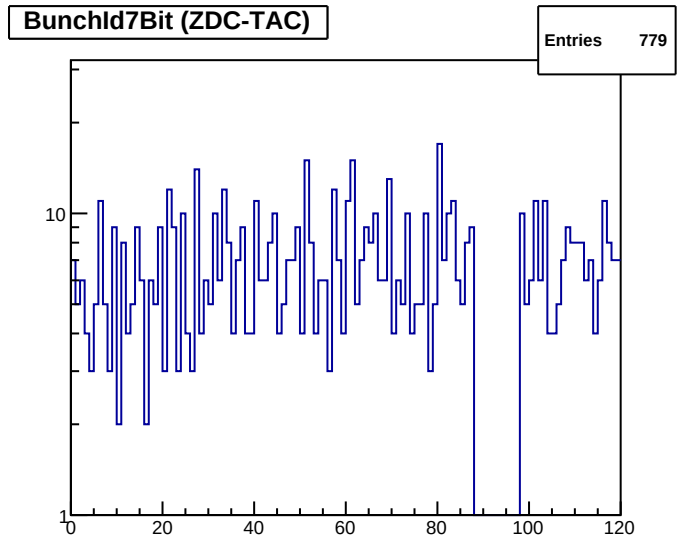
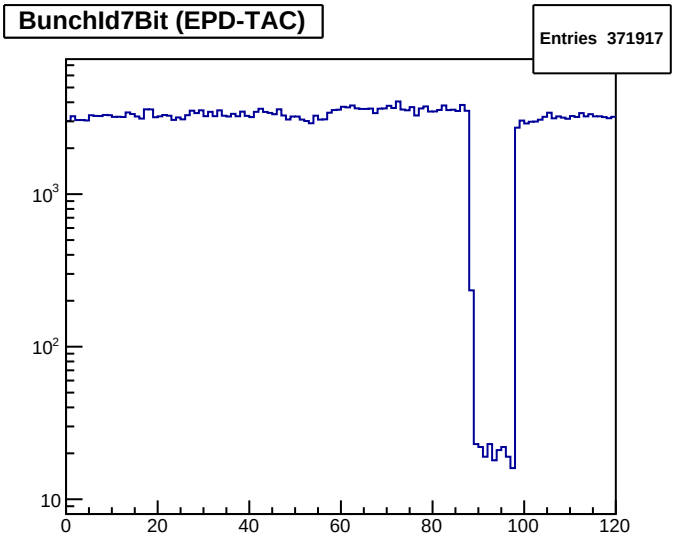
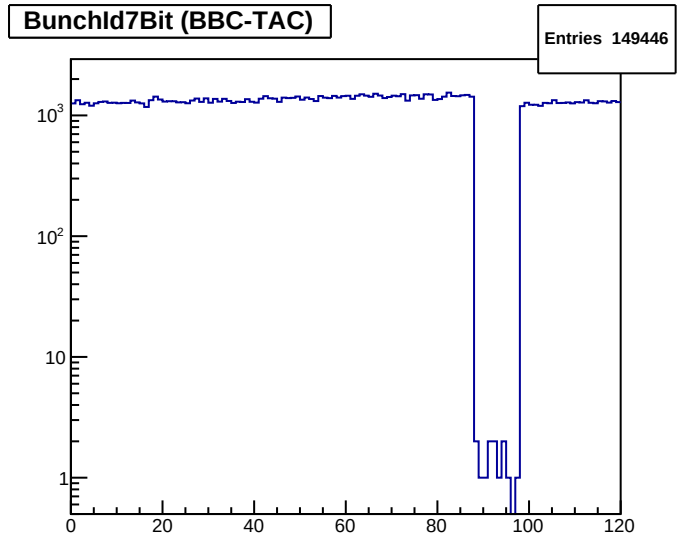
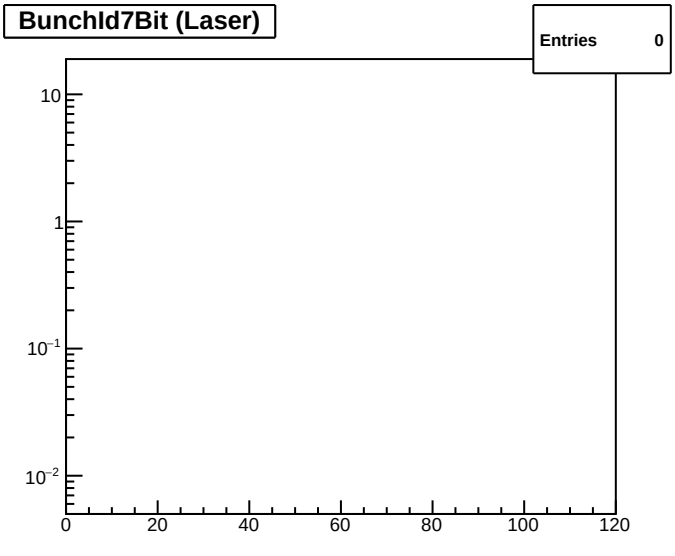
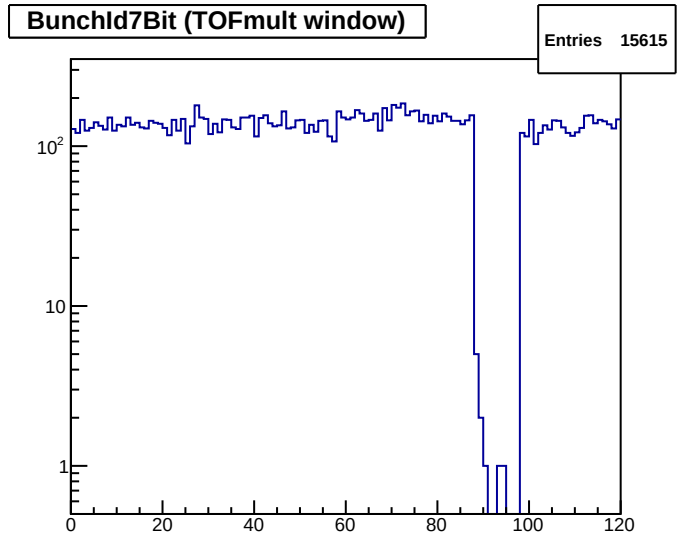

BunchId7Bit (VPD-TAC)
Entries 232491
10^3
10^2
10
0 20 40 60 80 100 120

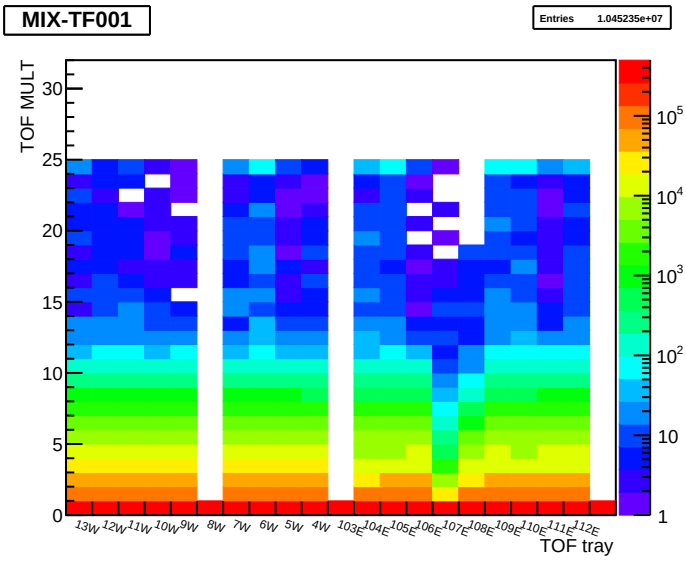

BunchId7Bit (ZDC-TAC)
Entries 779
10
1
0 20 40 60 80 100 120

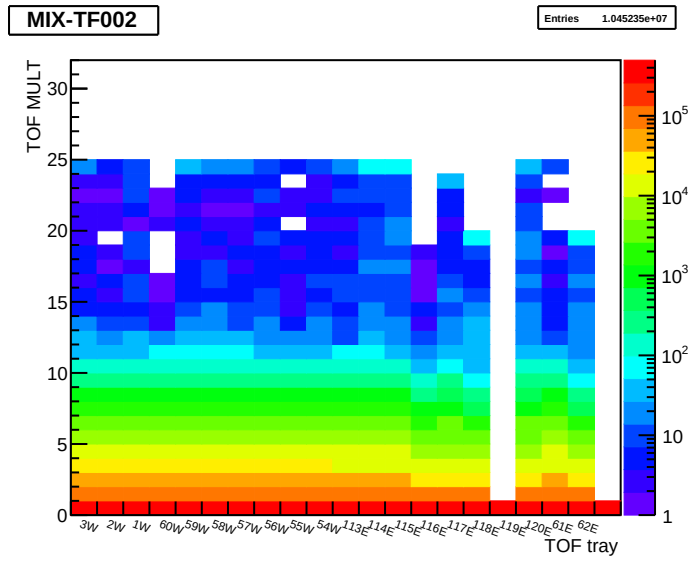

BunchId7Bit (EPD-TAC)
Entries 371917
10^3
10^2
10
0 20 40 60 80 100 120

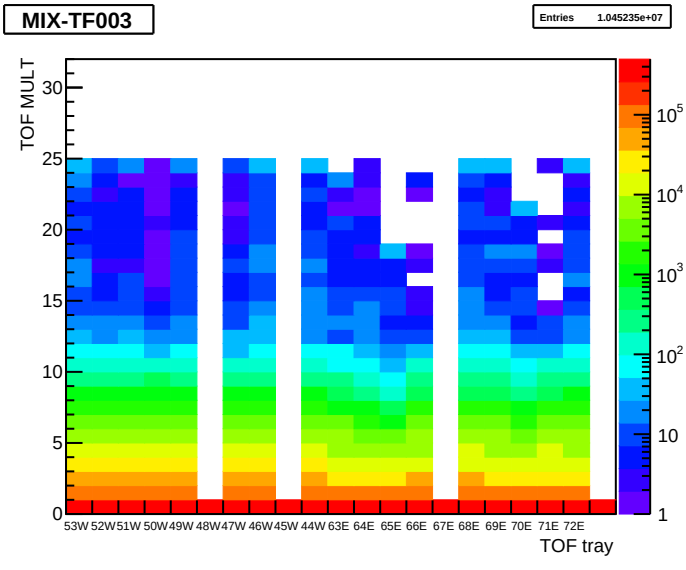

BunchId7Bit (BBC-TAC)
Entries 149446
10^3
10^2
10
1
0 20 40 60 80 100 120

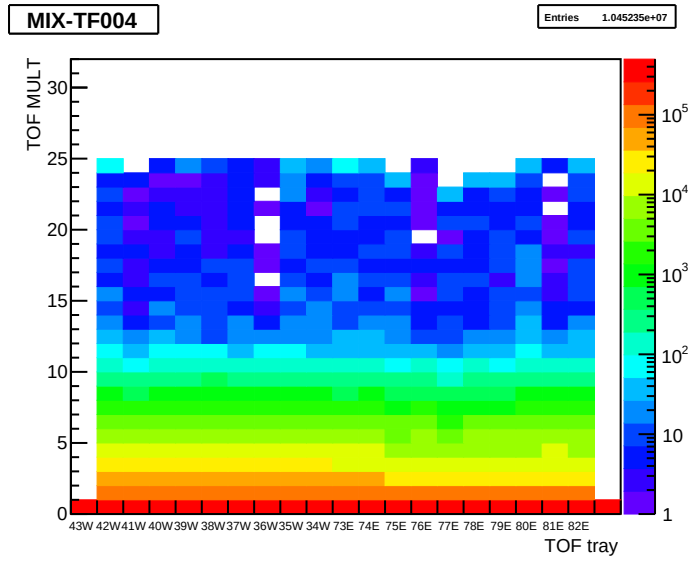

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

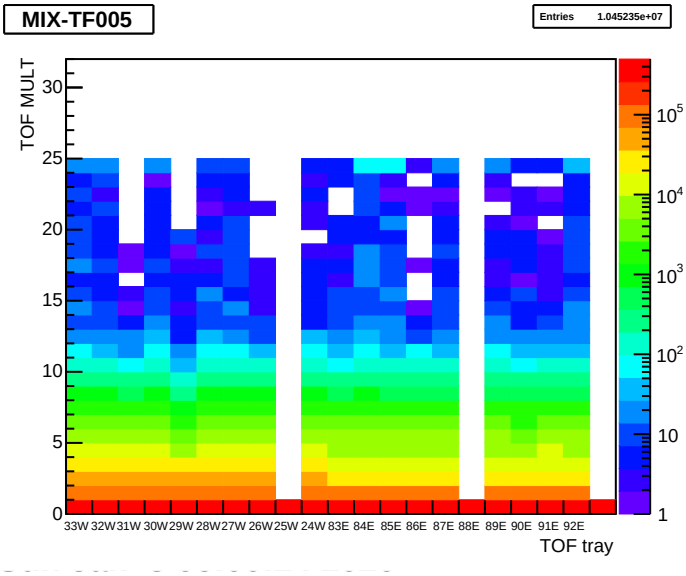

BunchId7Bit (TOFmult window)
Entries 15615
10^2
10
1
0 20 40 60 80 100 120

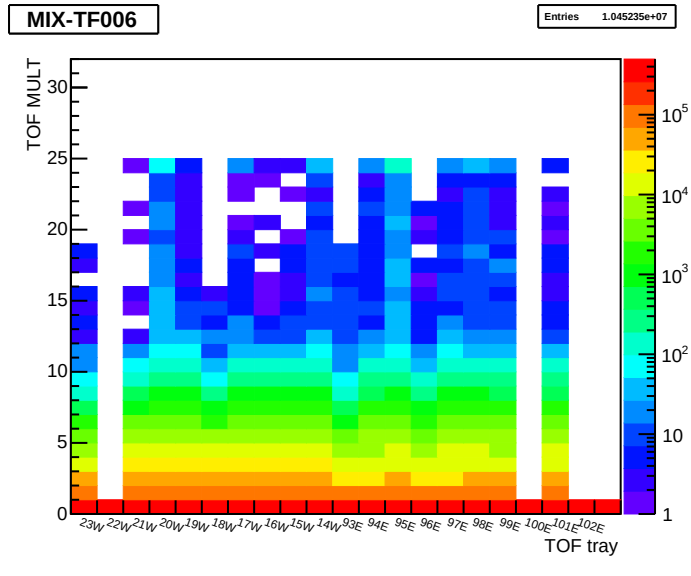

MIX-TF001
Entries 1.045235e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

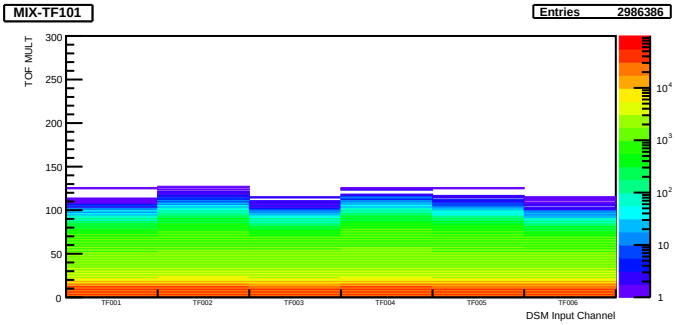

MIX-TF002
Entries 1.045235e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

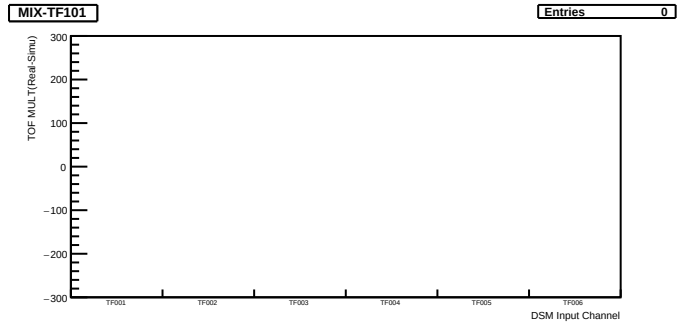

MIX-TF003
Entries 1.045235e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

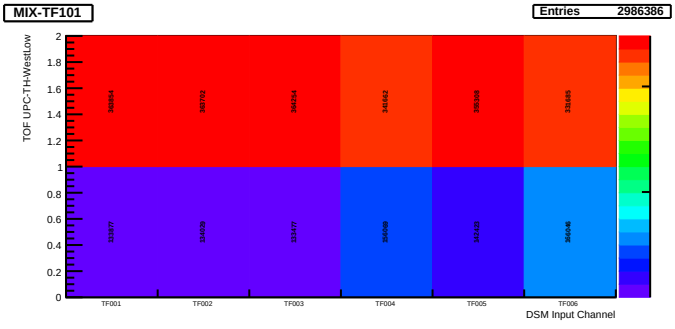

MIX-TF004
Entries 1.045235e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

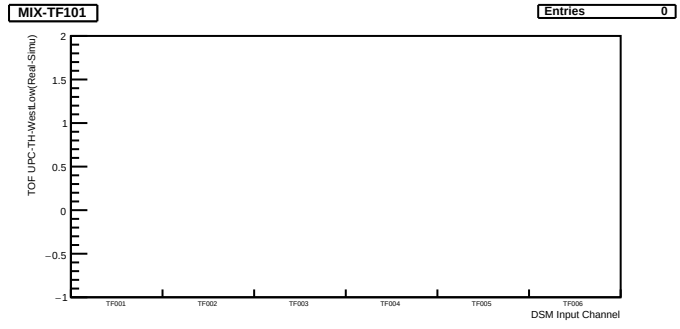

MIX-TF005
Entries 1.045235e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

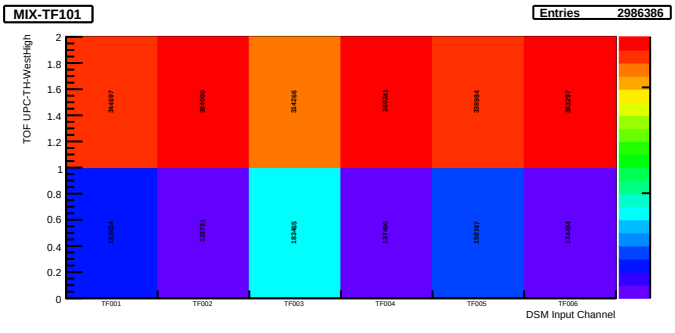

MIX-TF006
Entries 1.045235e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

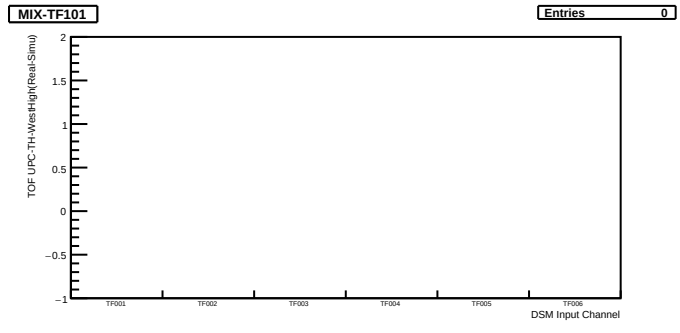

MIX-TF101
Entries 2986386
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

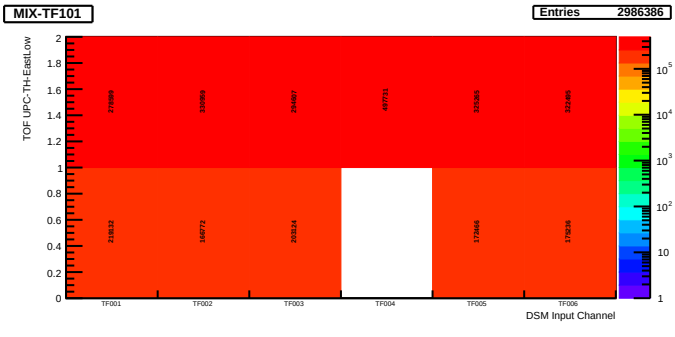

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

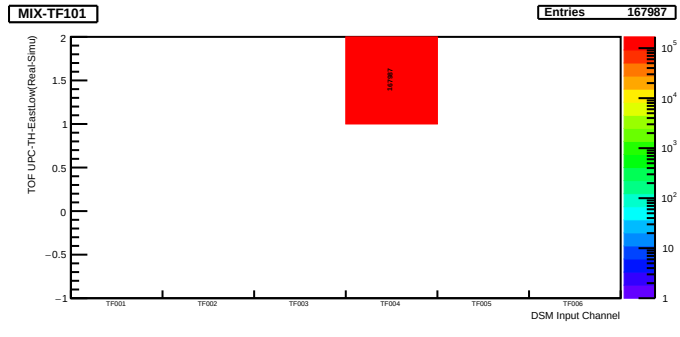

MIX-TF101
Entries 2986386
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

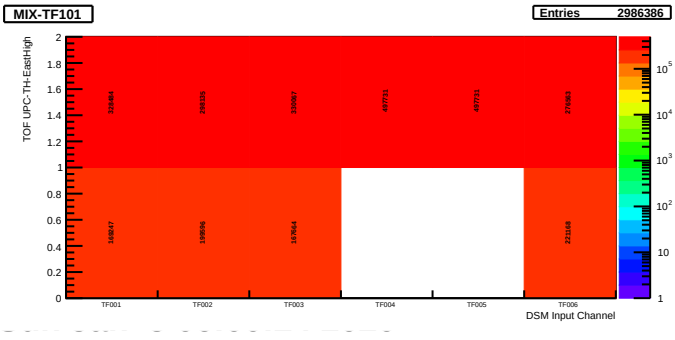

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

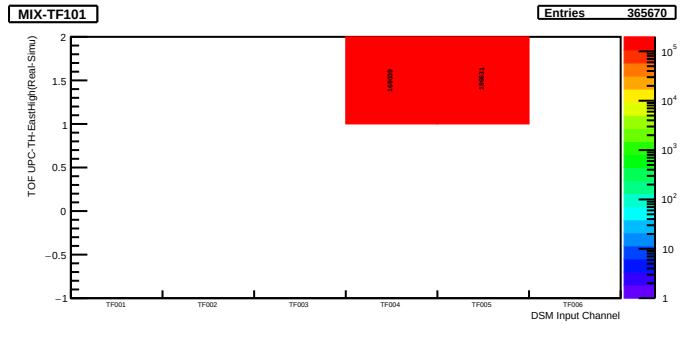

MIX-TF101
Entries 2986386
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

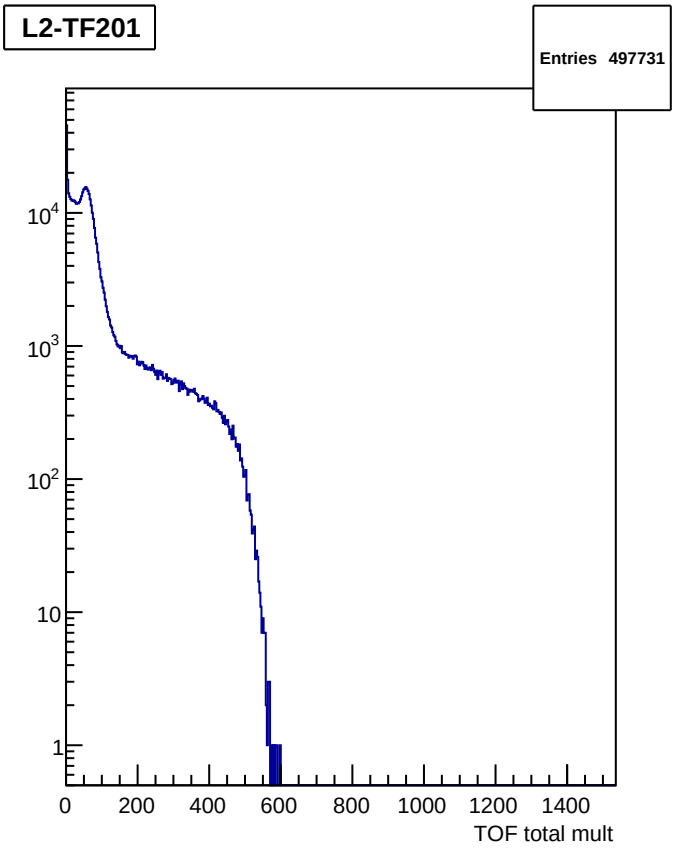

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

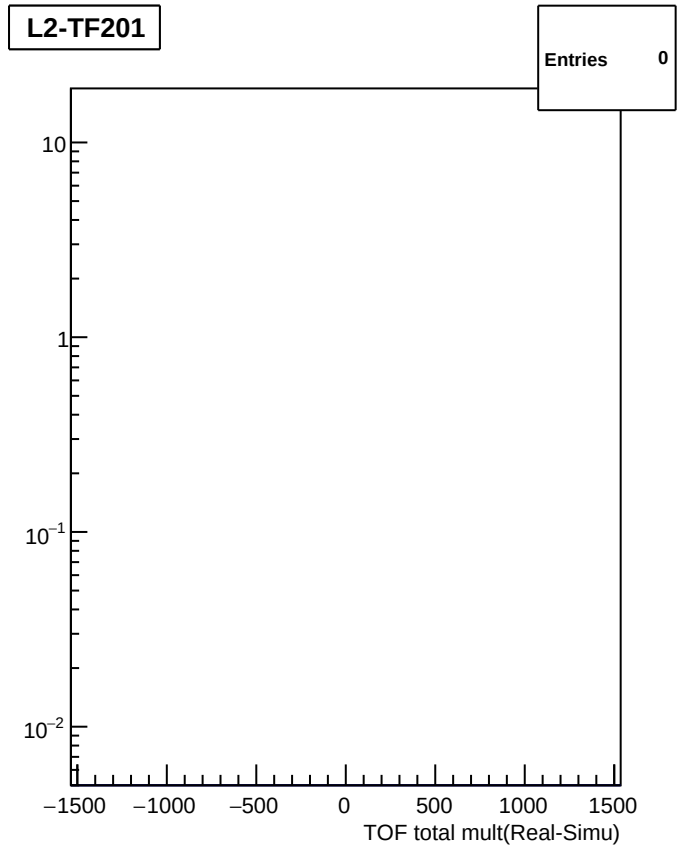

MIX-TF101
Entries 2986386
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

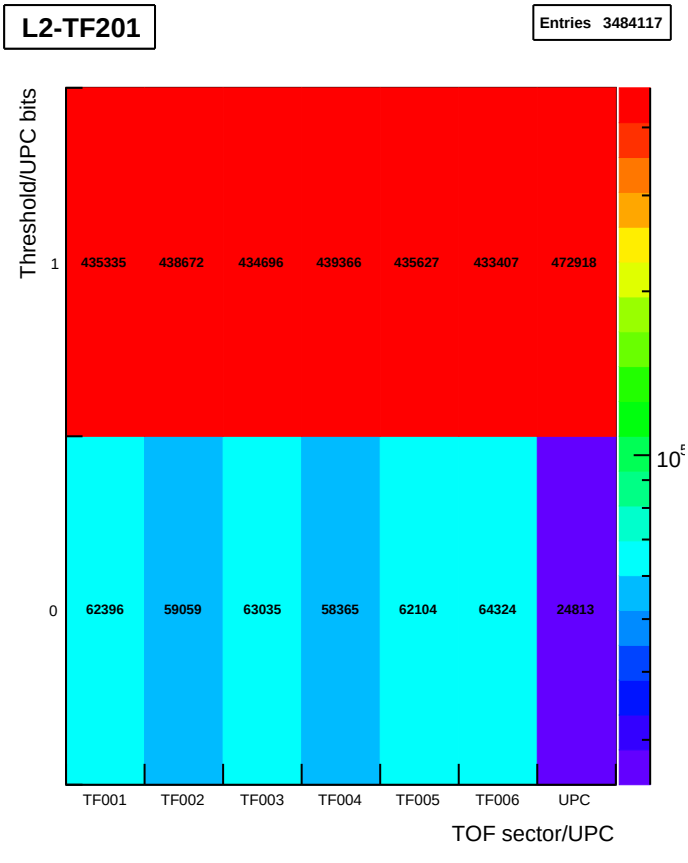

MIX-TF101
Entries 167987
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

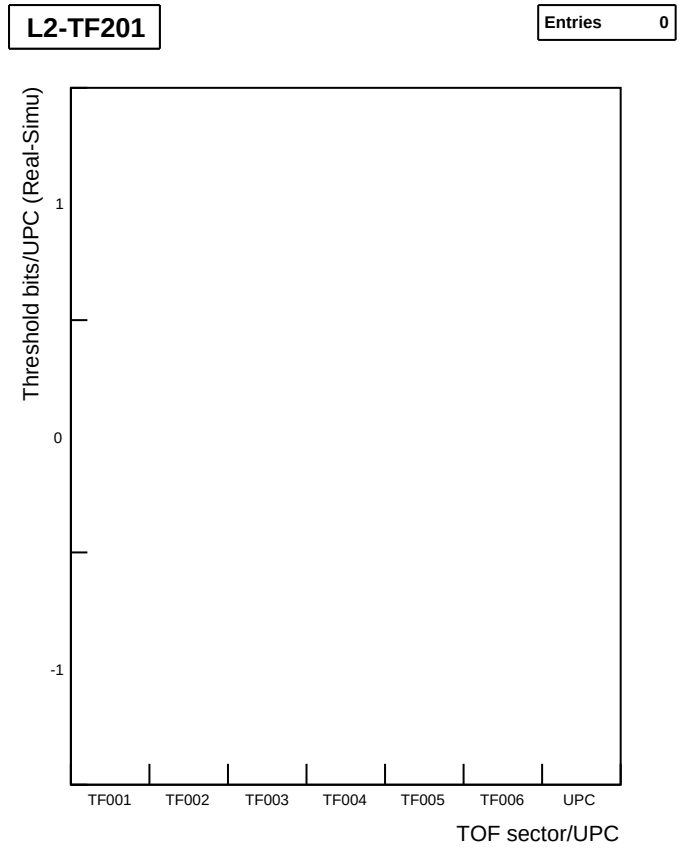

MIX-TF101
Entries 2986386
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

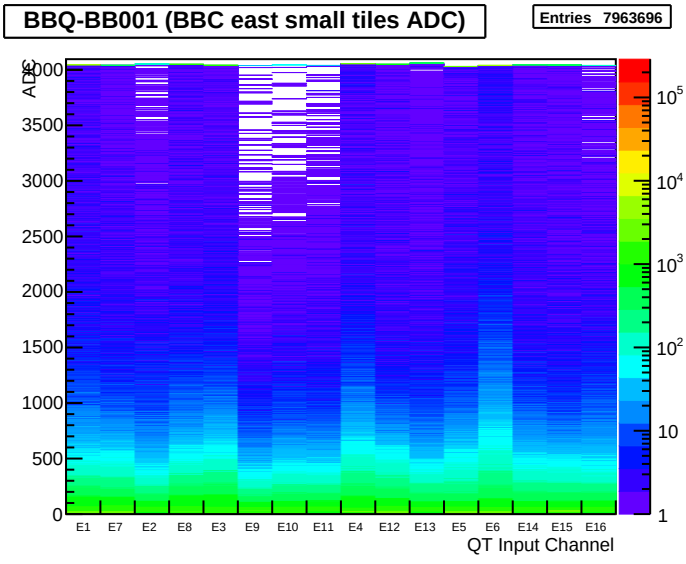

MIX-TF101
Entries 365670
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

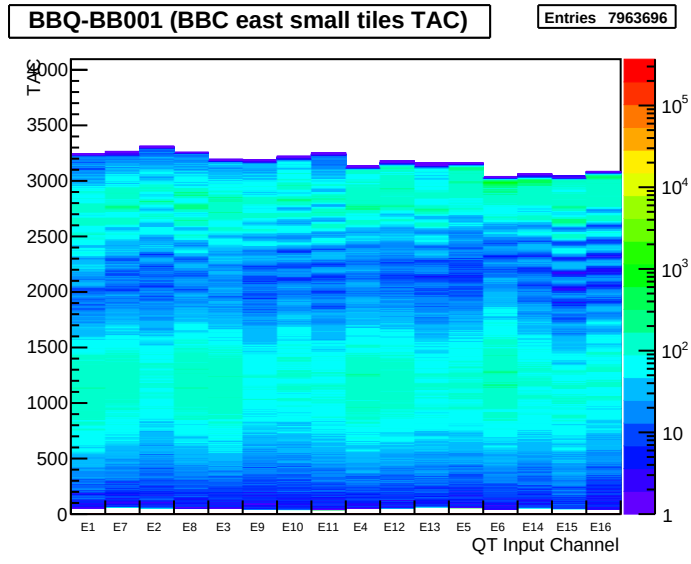

L2-TF201
Entries 497731
TOF total mult

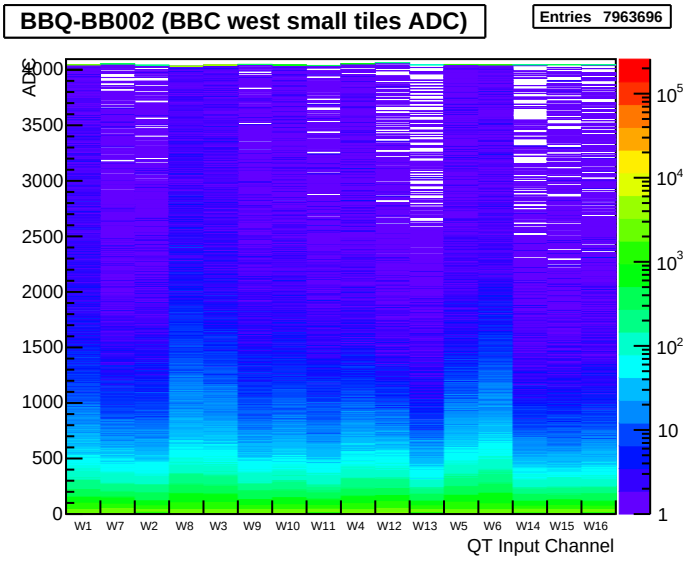

L2-TF201
Entries 0
TOF total mult(Real-Simu)

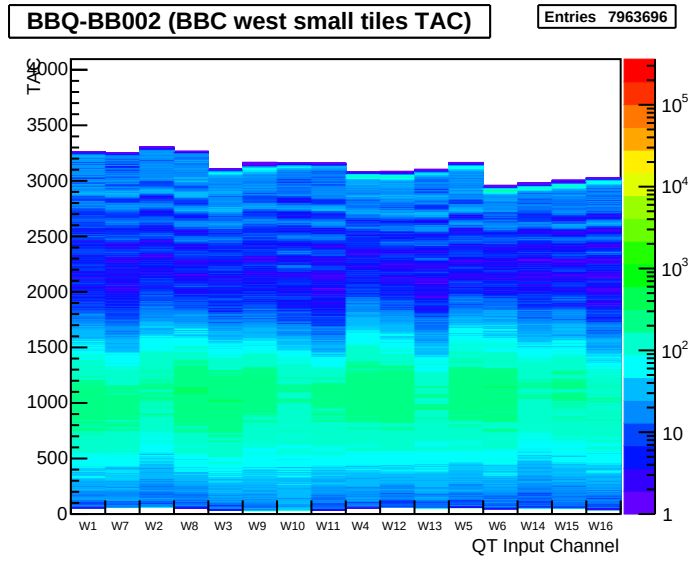

L2-TF201
Entries 3484117
Threshold/UPC bits
435335
438672
434696
439366
435627
433407
472918
62396
59059
63035
58365
62104
64324
24813
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

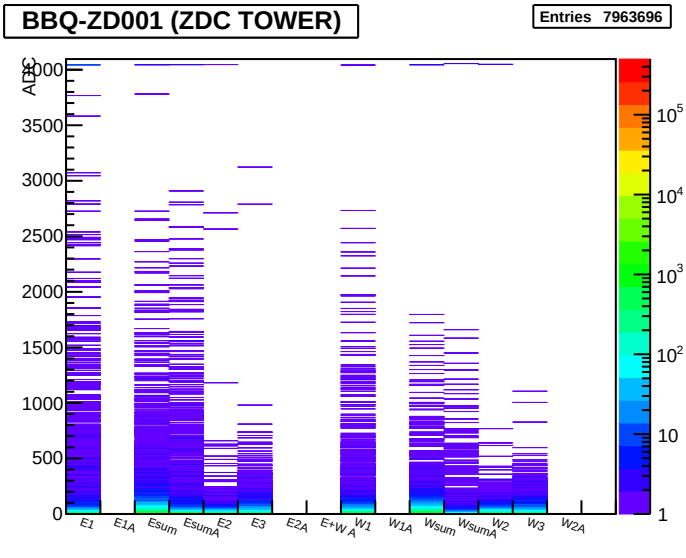

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

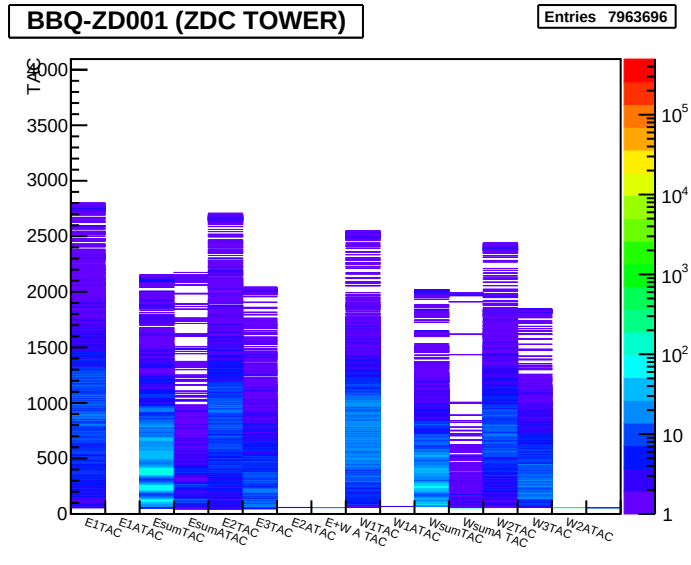

BBQ-BB001 (BBC east small tiles ADC)
Entries 7963696
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

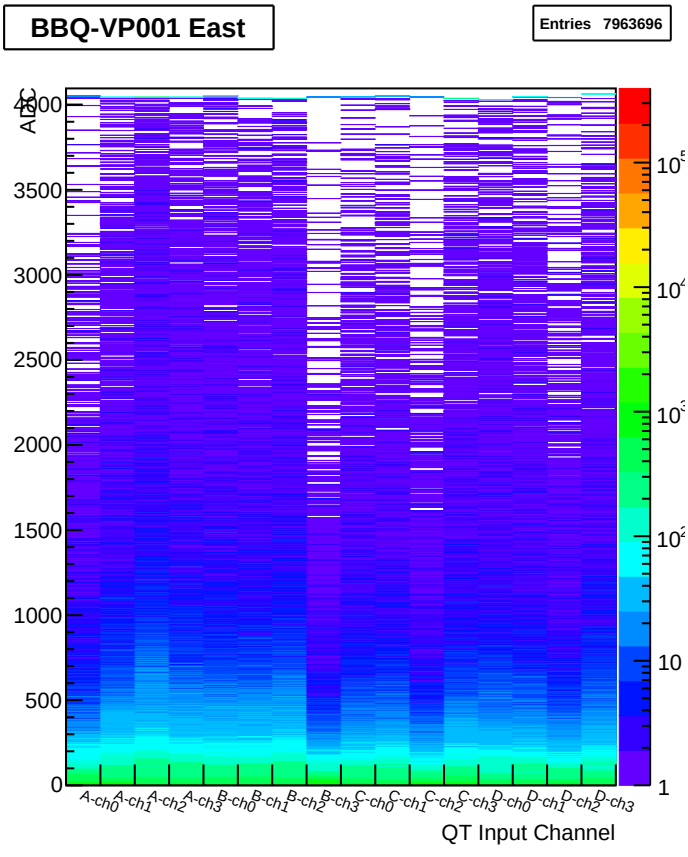

BBQ-BB001 (BBC east small tiles TAC)
Entries 7963696
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

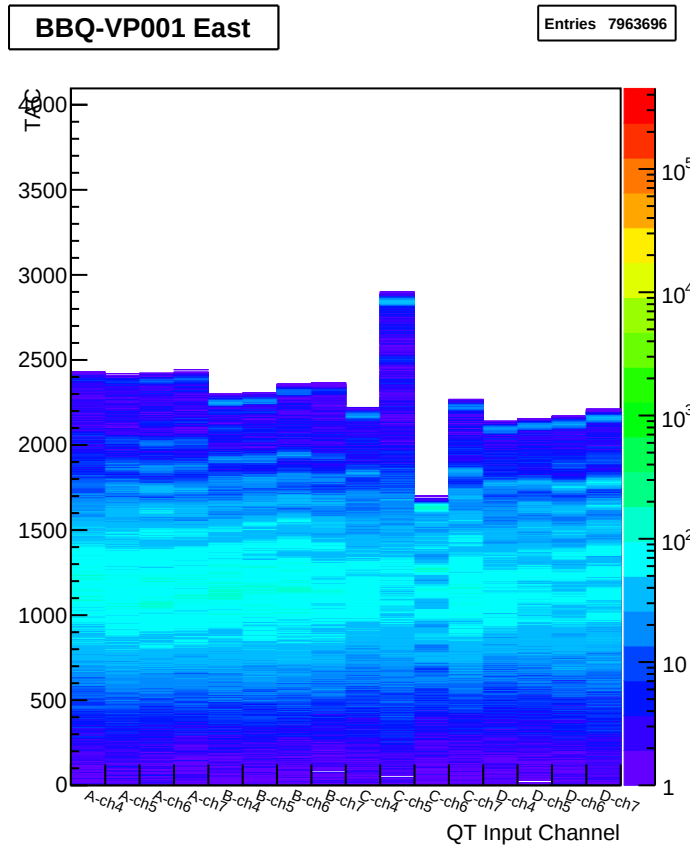

BBQ-BB002 (BBC west small tiles ADC)
Entries 7963696
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

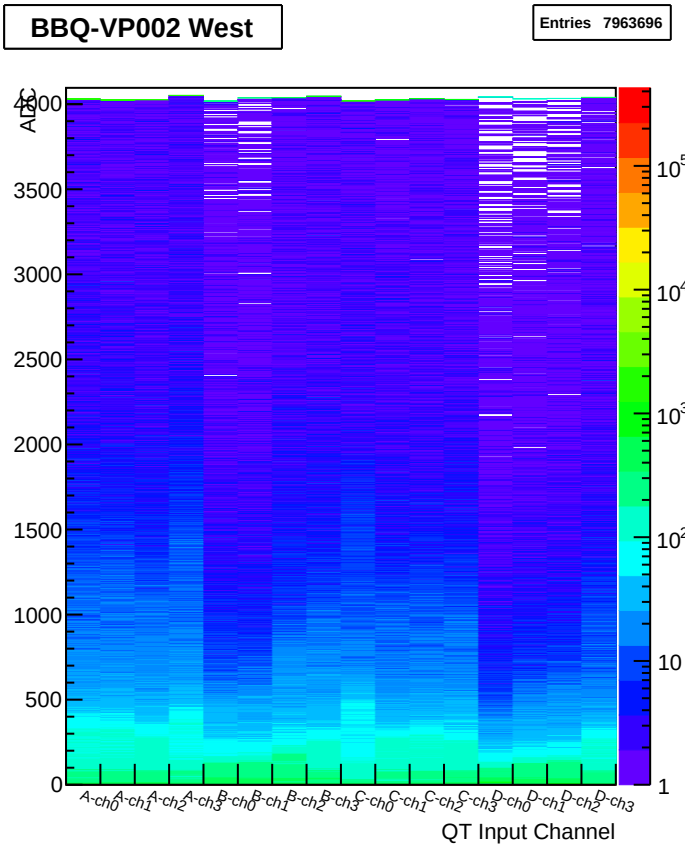

BBQ-BB002 (BBC west small tiles TAC)
Entries 7963696
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

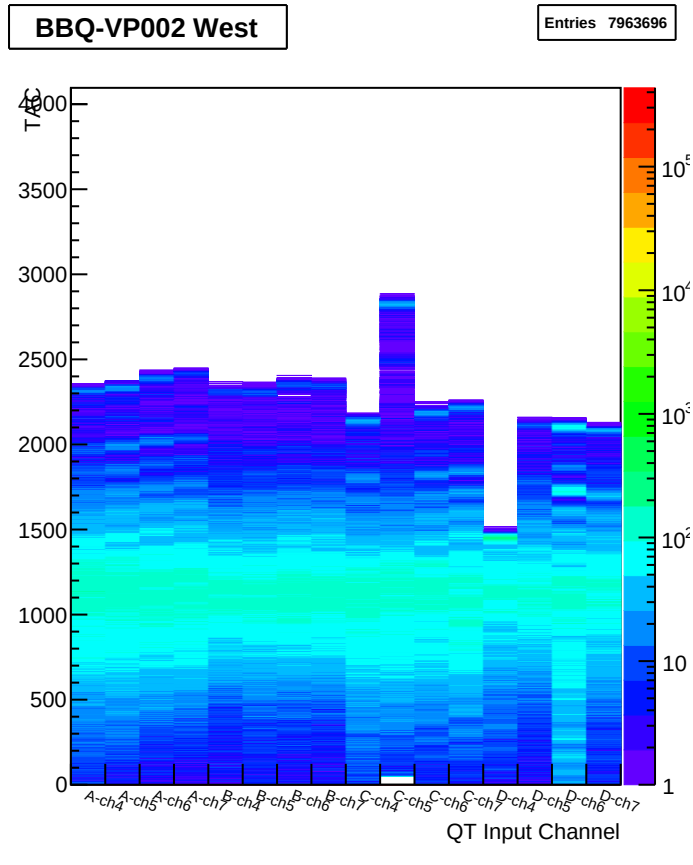

BBQ-ZD001 (ZDC TOWER)
Entries 7963696
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

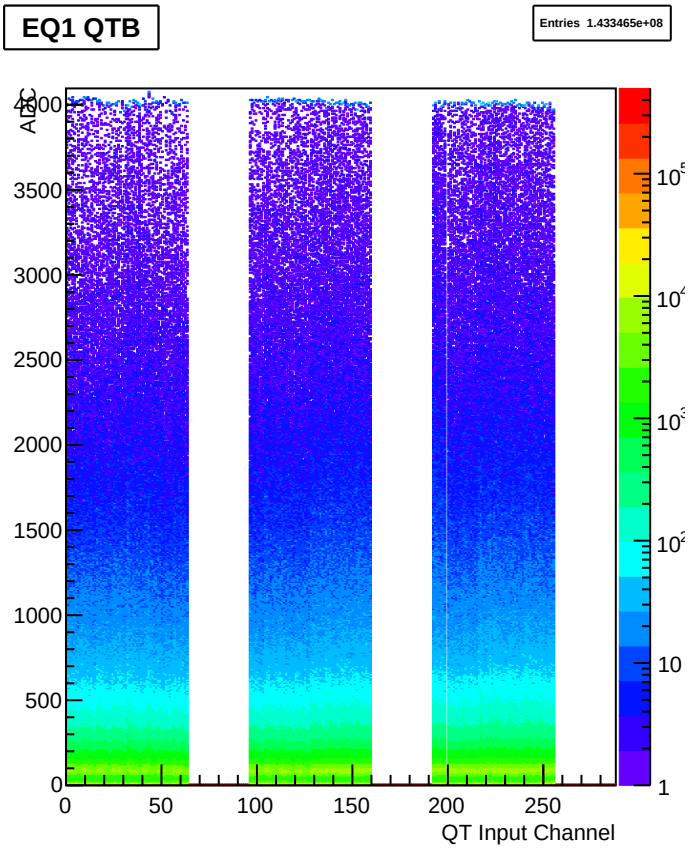

BBQ-ZD001 (ZDC TOWER)
Entries 7963696
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

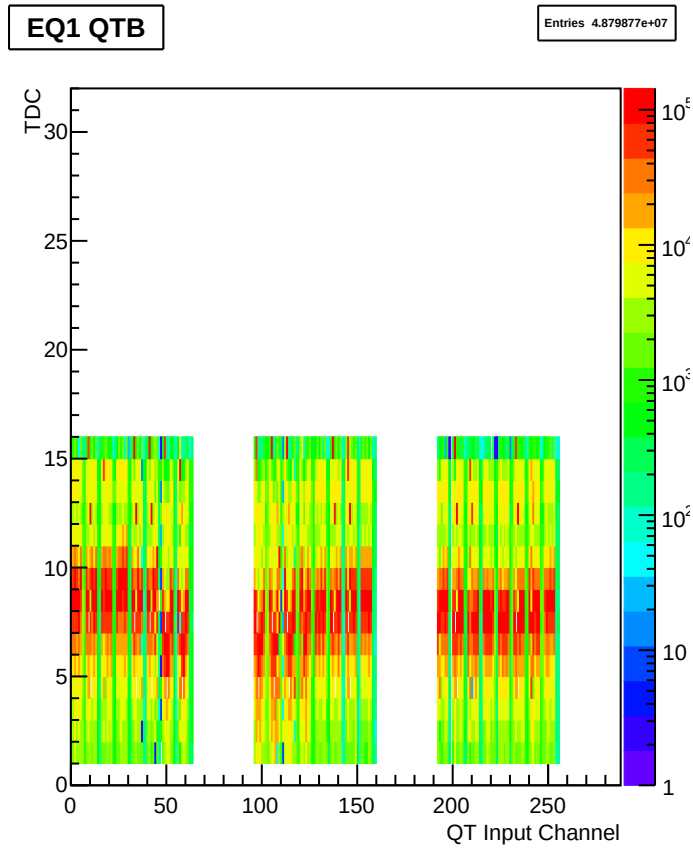

BBQ-VP001 East
Entries 7963696
ADC
QT Input Channel

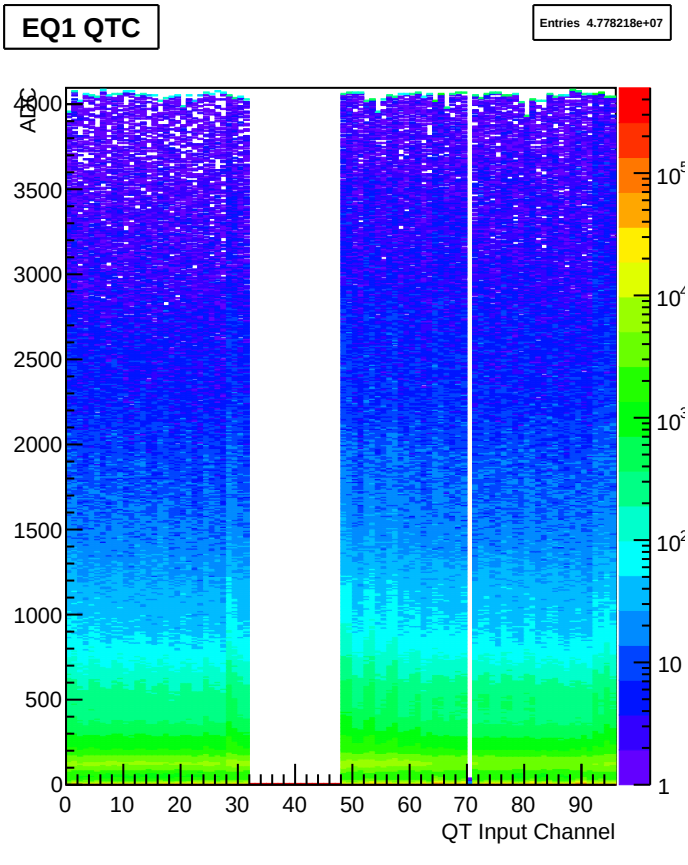

BBQ-VP001 East
Entries 7963696
TADC
QT Input Channel

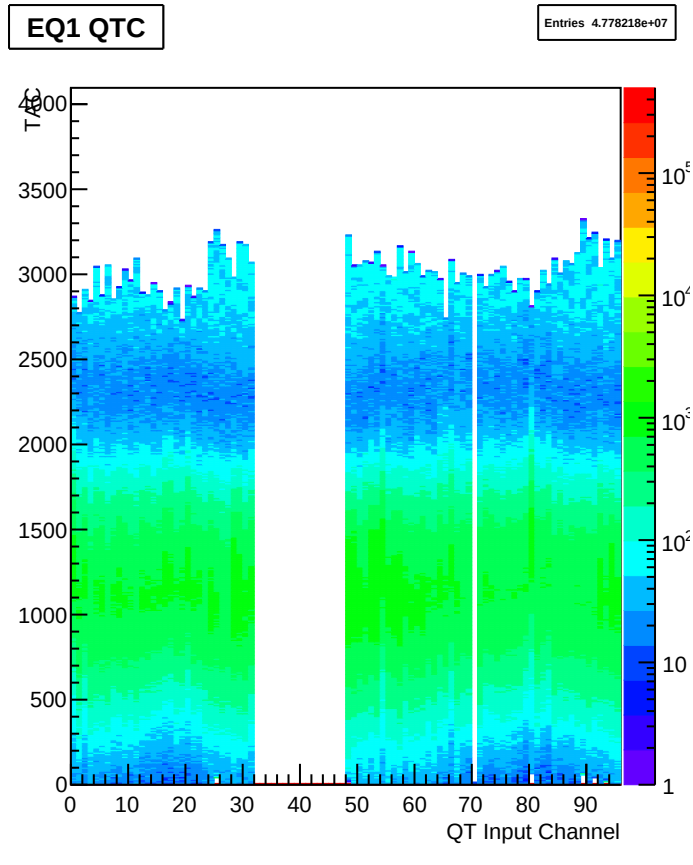

BBQ-VP002 West
Entries 7963696
ADC
QT Input Channel

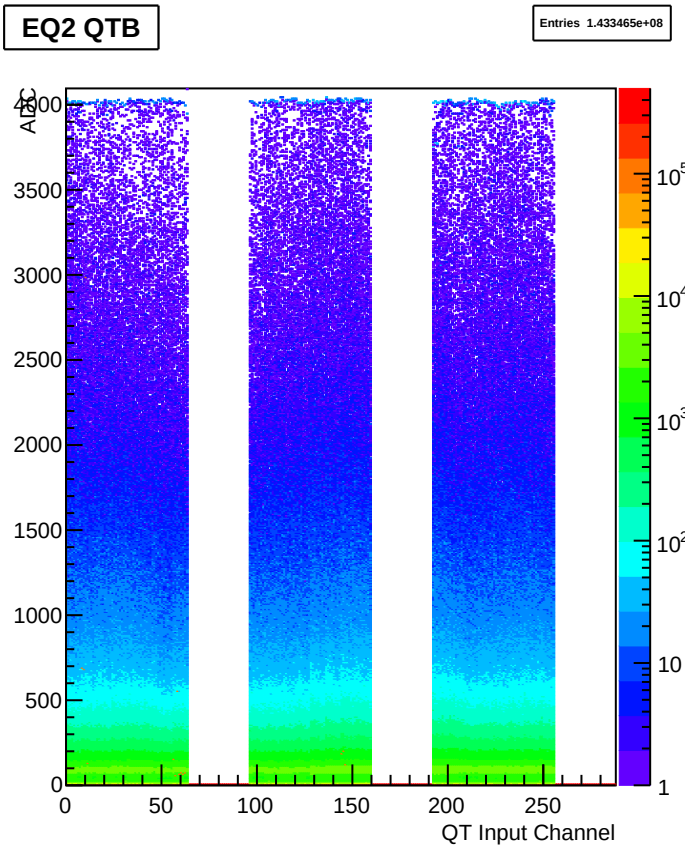

BBQ-VP002 West
Entries 7963696
TADC
QT Input Channel

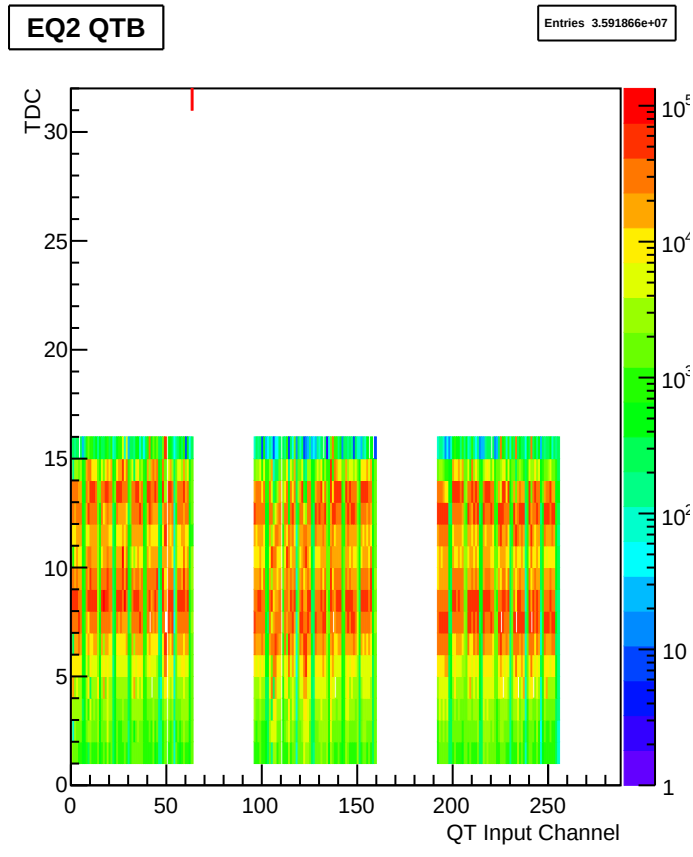

EQ1 QTB
Entries 1.433465e+08
ADC
QT Input Channel

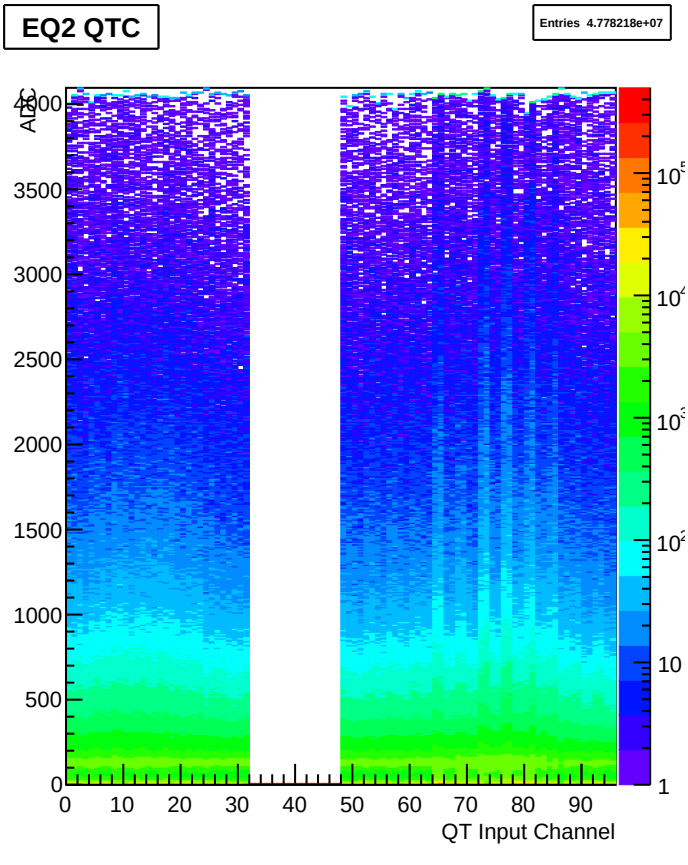

EQ1 QTB
Entries 4.879877e+07
TDC
QT Input Channel

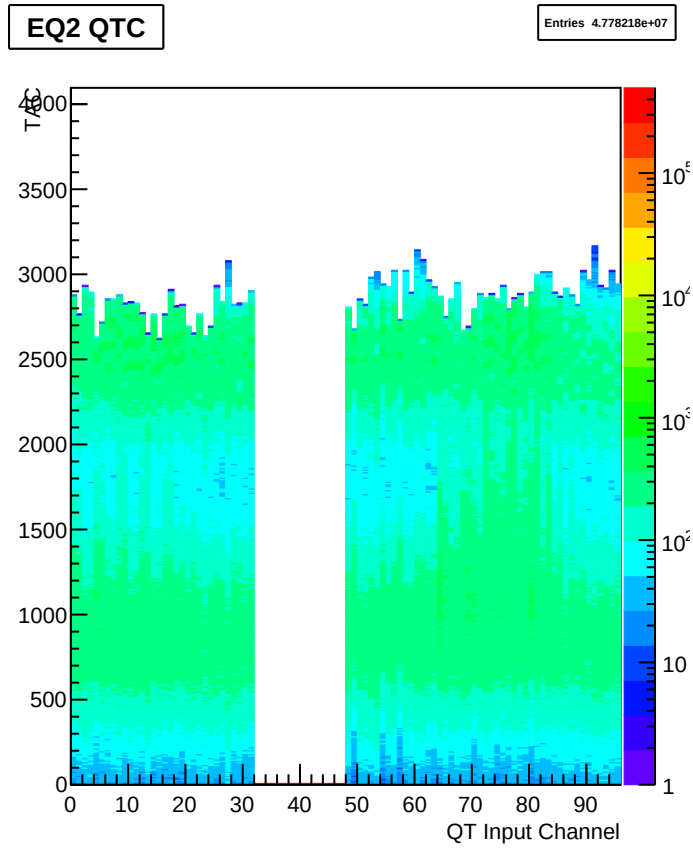

EQ1 QTC
Entries 4.778218e+07
ADC
QT Input Channel

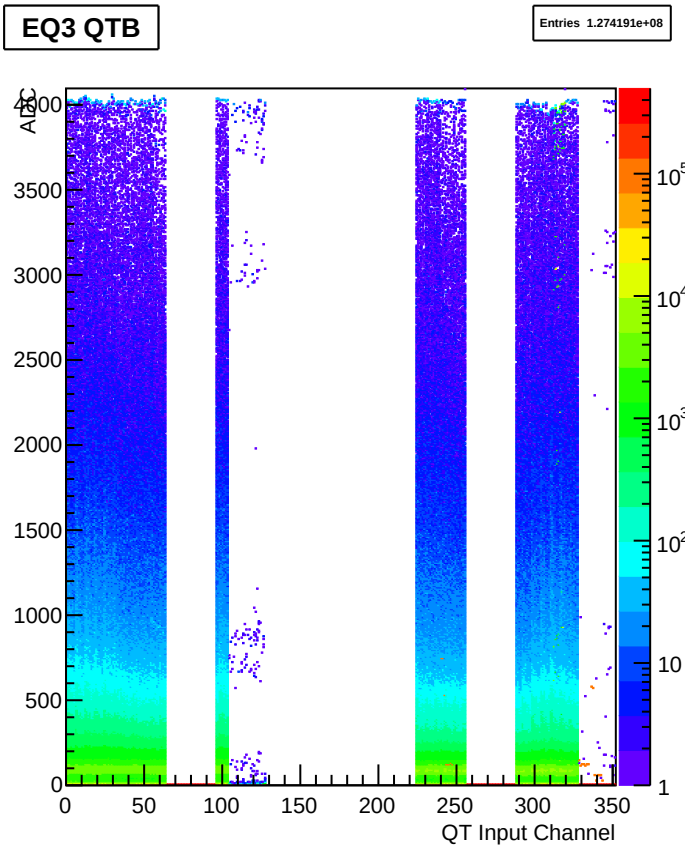

EQ1 QTC
Entries 4.778218e+07
TADC
QT Input Channel

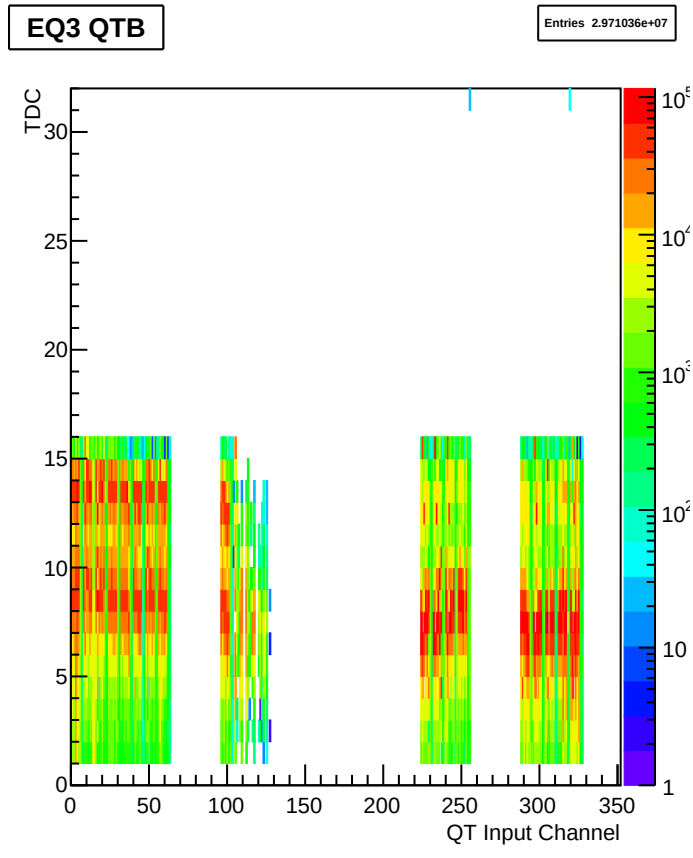

EQ2 QTB
Entries 1.433465e+08
ADC
QT Input Channel

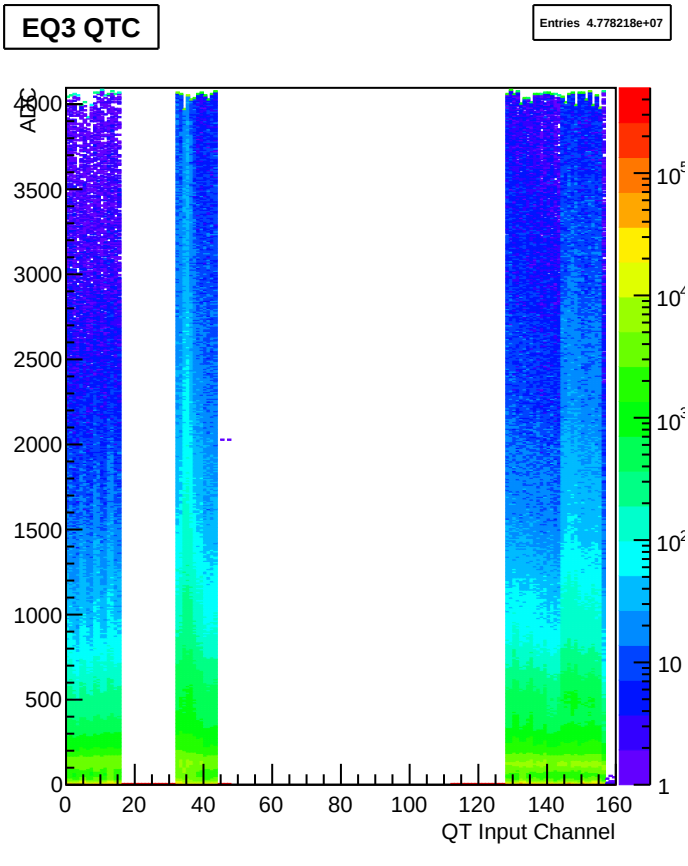

EQ2 QTB
Entries 3.591866e+07
TDC
QT Input Channel


EQ2 QTC
Entries 4.778218e+07
ADC
QT Input Channel


EQ2 QTC
Entries 4.778218e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.274191e+08
ADC
QT Input Channel


EQ3 QTB
Entries 2.971036e+07
TDC
QT Input Channel


EQ3 QTC
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ADC
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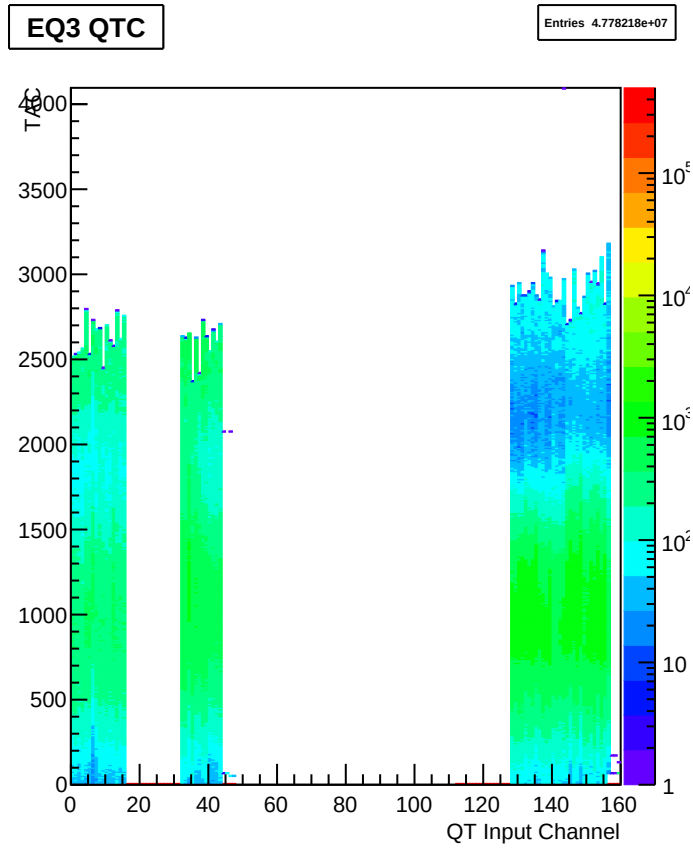
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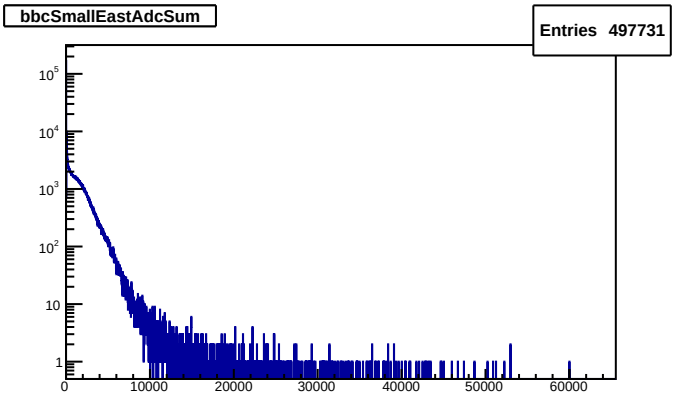
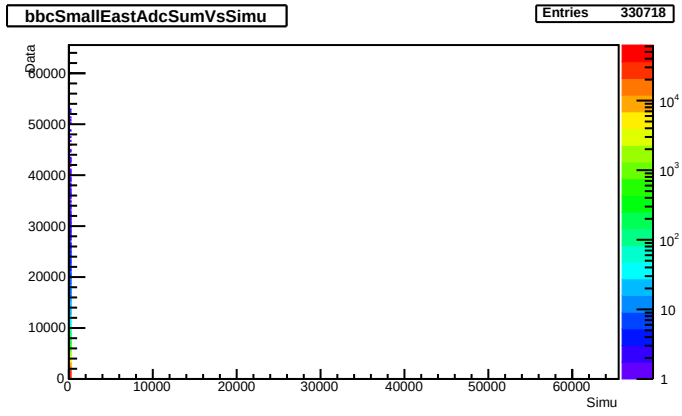
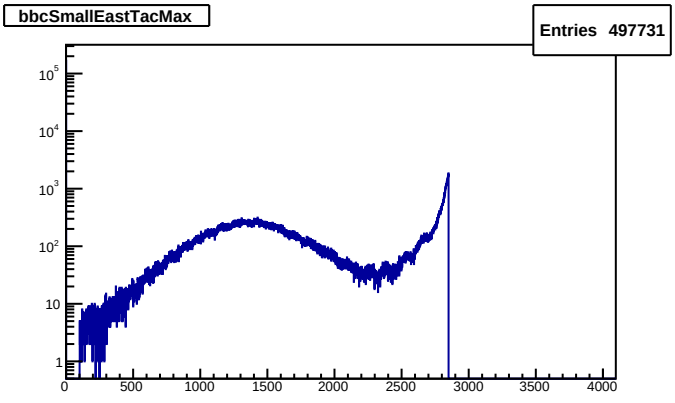
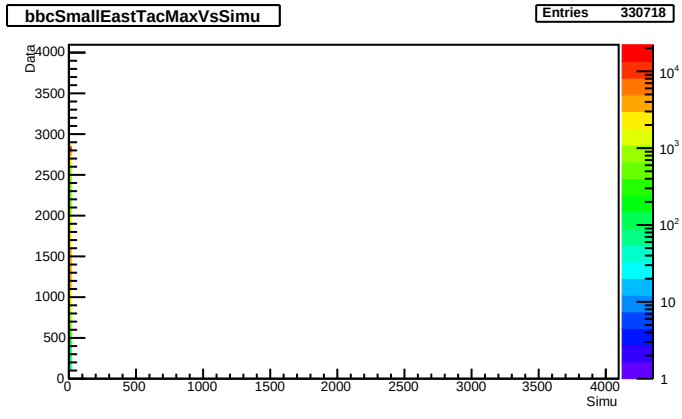
QT Input Channel


bbcSmallEastAdcSum
Entries 497731


bbcSmallEastAdcSumVsSimu
Entries 330718
Data
Simu


bbcSmallEastTacMax
Entries 497731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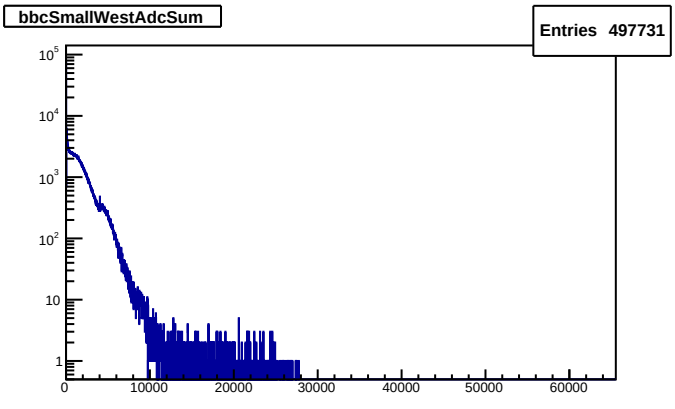
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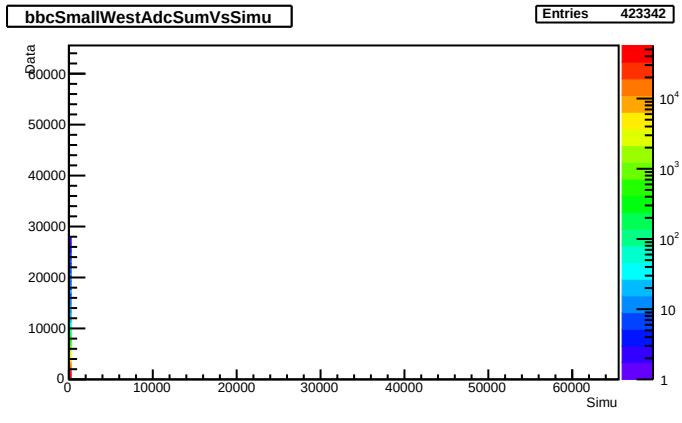
Entries 497731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Entries 423342
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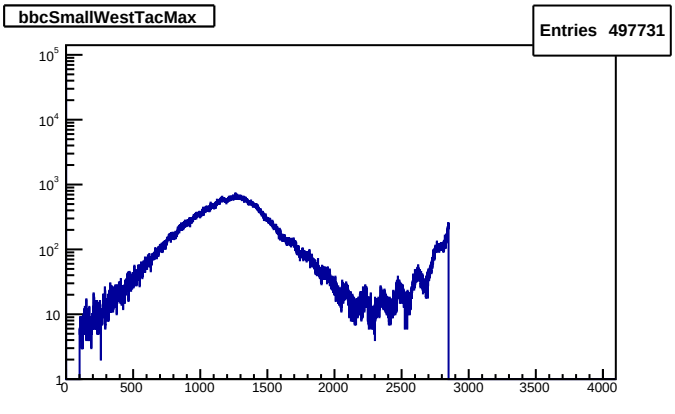
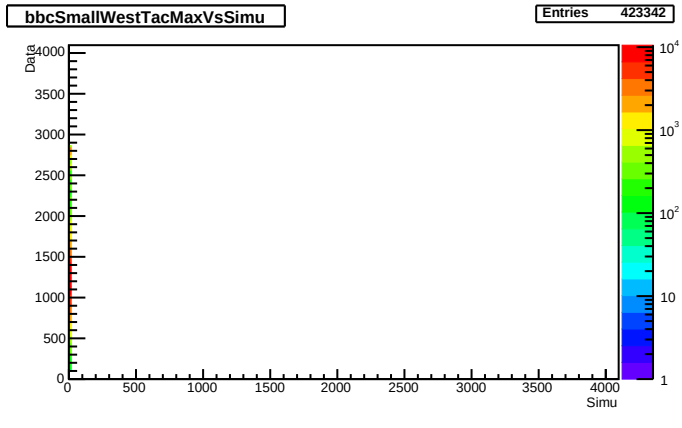
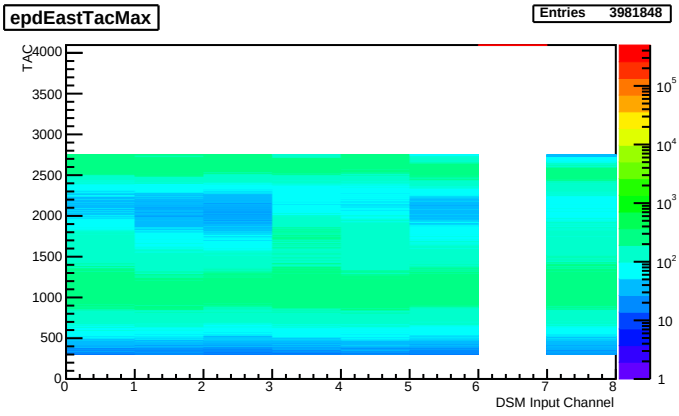
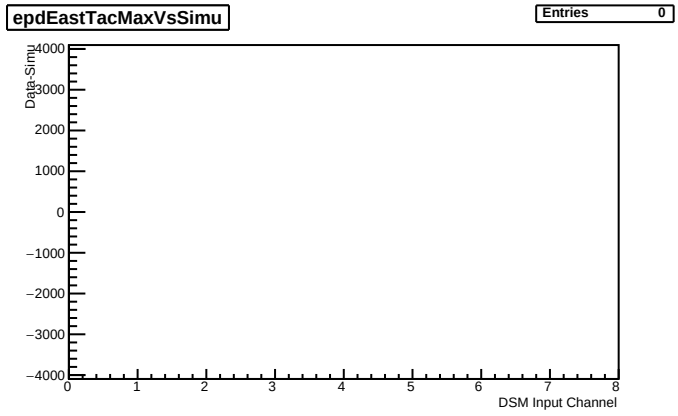

bbcSmallWestTacMax
Entries 497731


bbcSmallWestTacMaxVsSimu
Entries 423342
Data
Simu


epdEastTacMax
Entries 3981848
TAC
DSM Input Channel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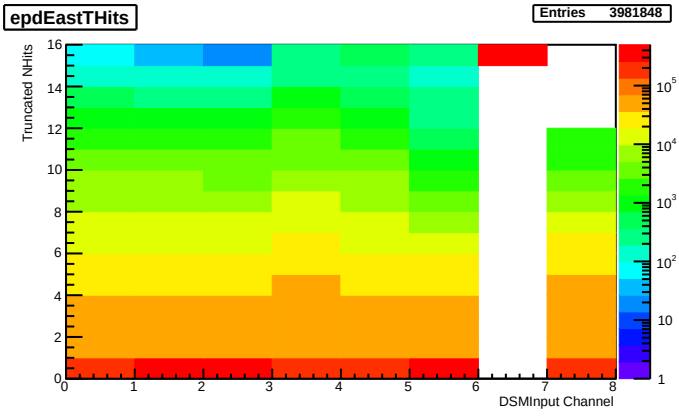
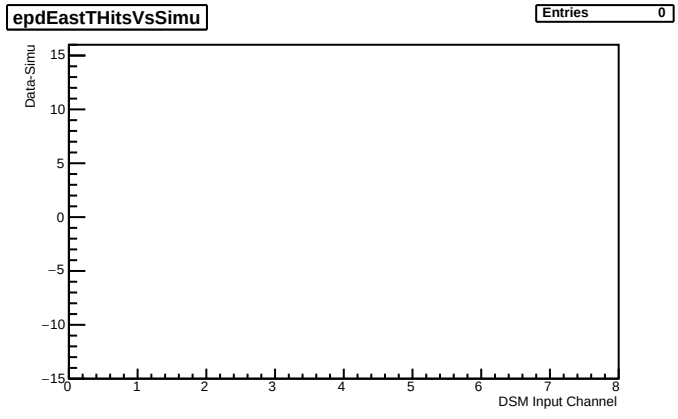
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3981848
Truncated NHits
DSMInput Channel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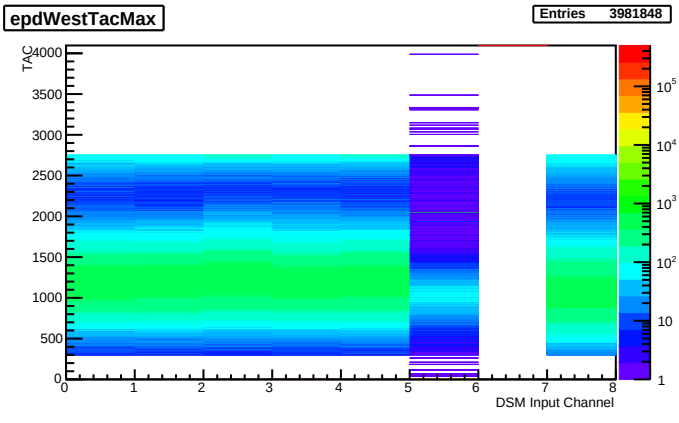
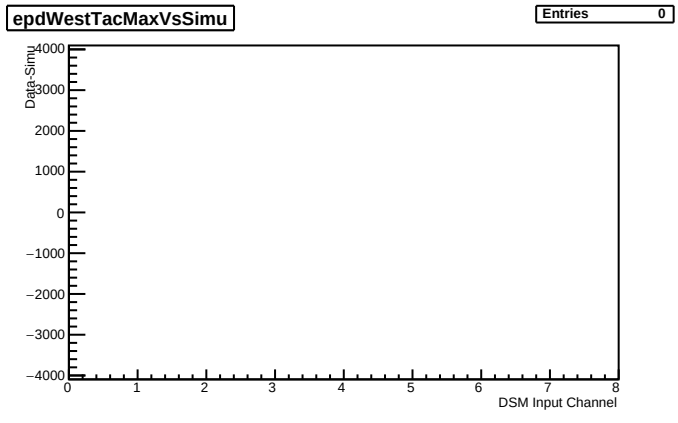
DSM Input Channel


epdWestTacMax
Entries 3981848
TAC
DSM Input Channel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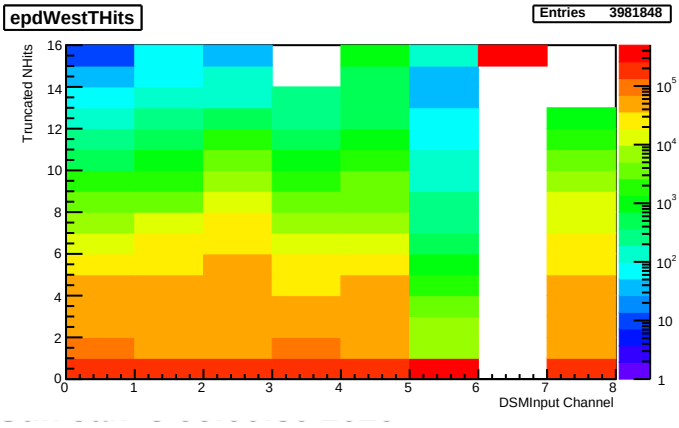
Entries 0
Data-Simu
DSM Input Channel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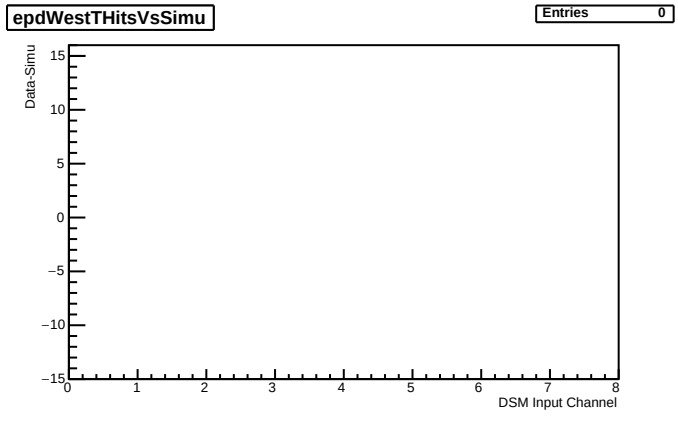
Entries 3981848
Truncated NHits
DSMInput Channel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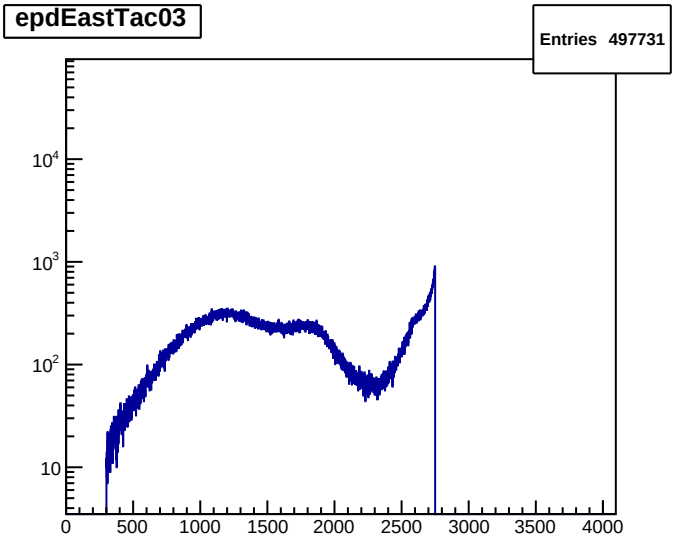
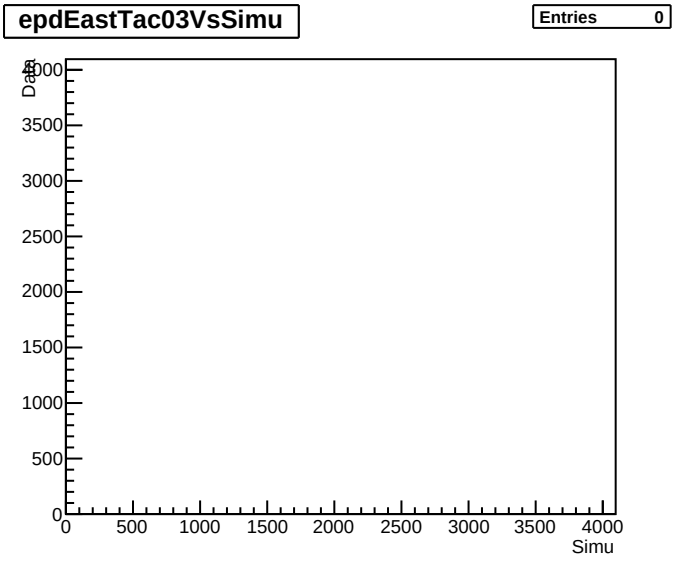
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 497731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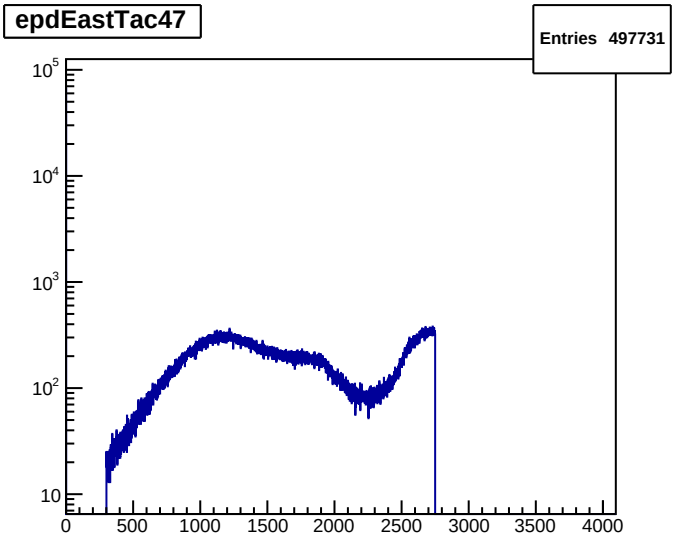
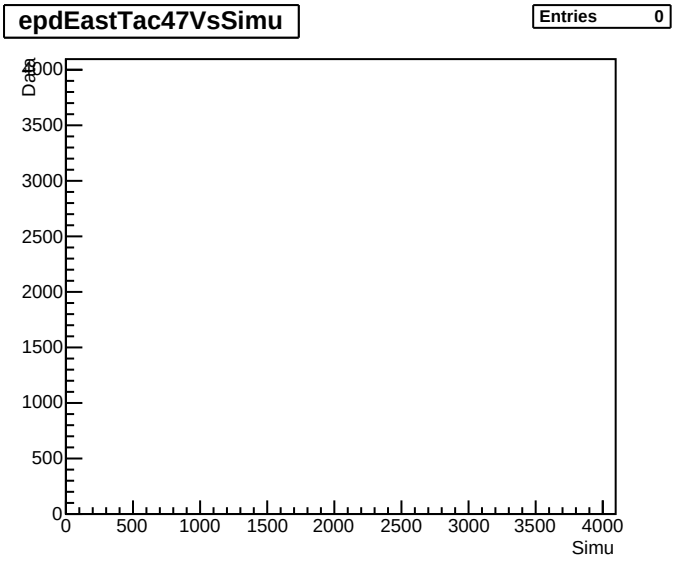
Entries 0
Data
Simu


epdEastTac47
Entries 497731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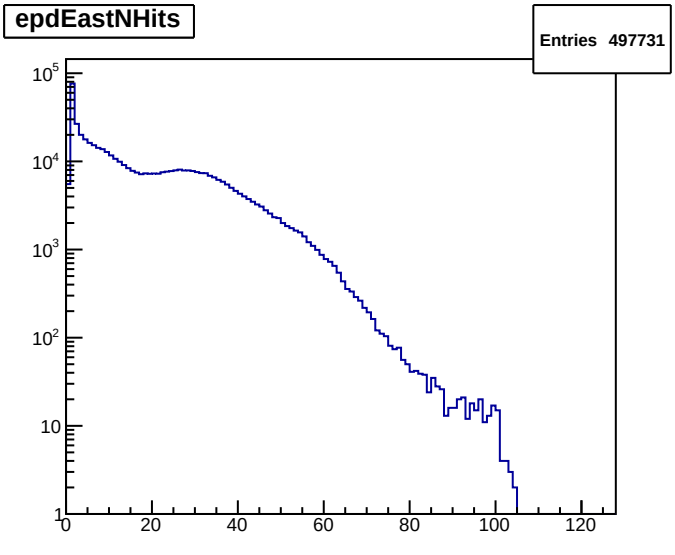
Entries 0
Data
Simu


epdEastNHits
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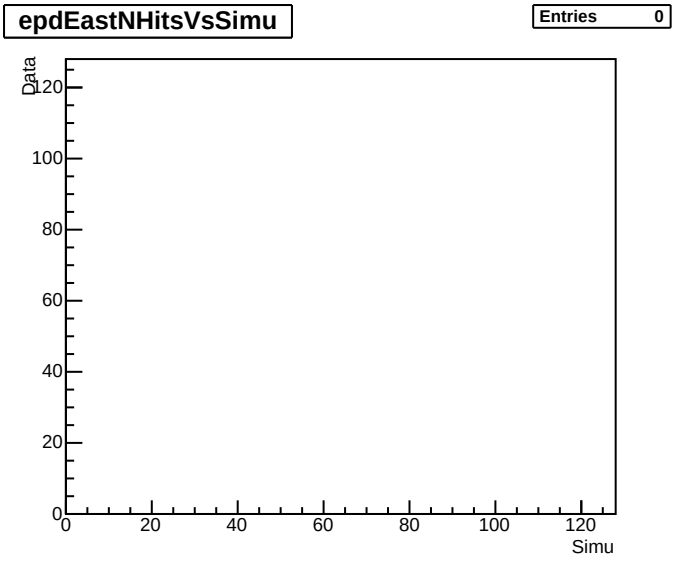
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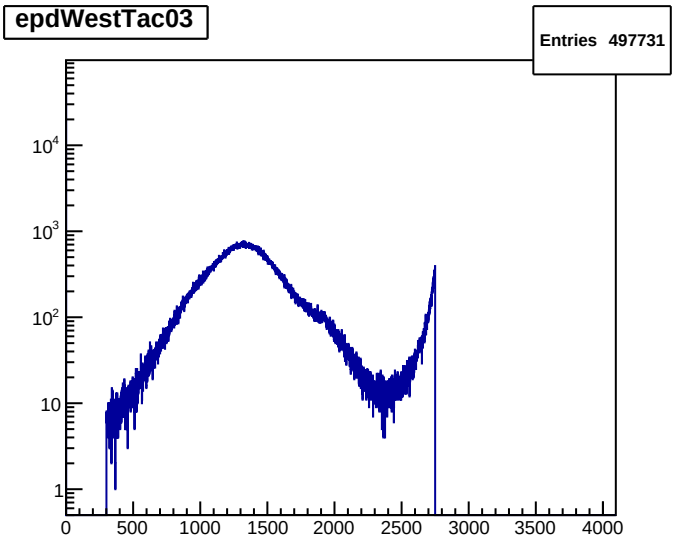
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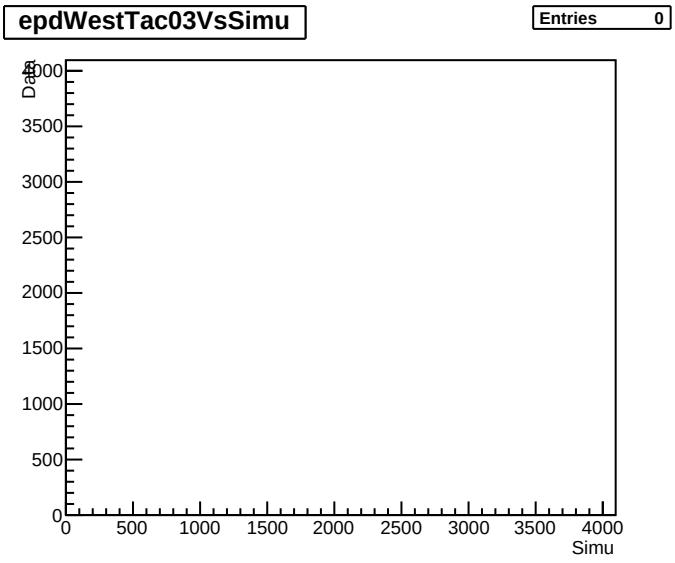
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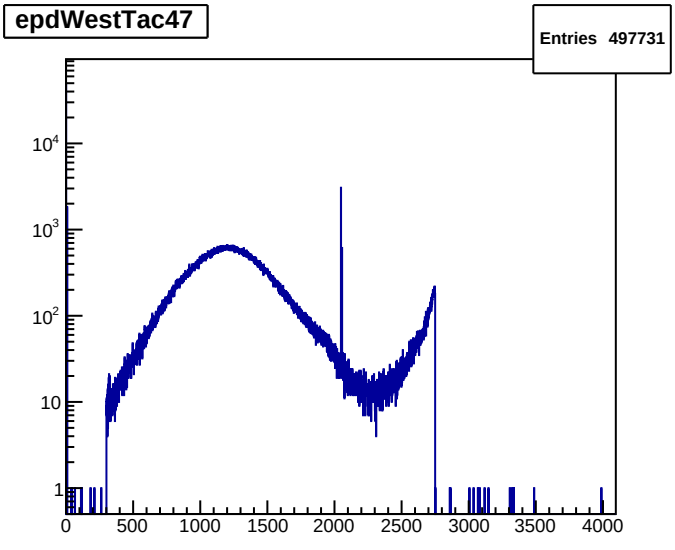
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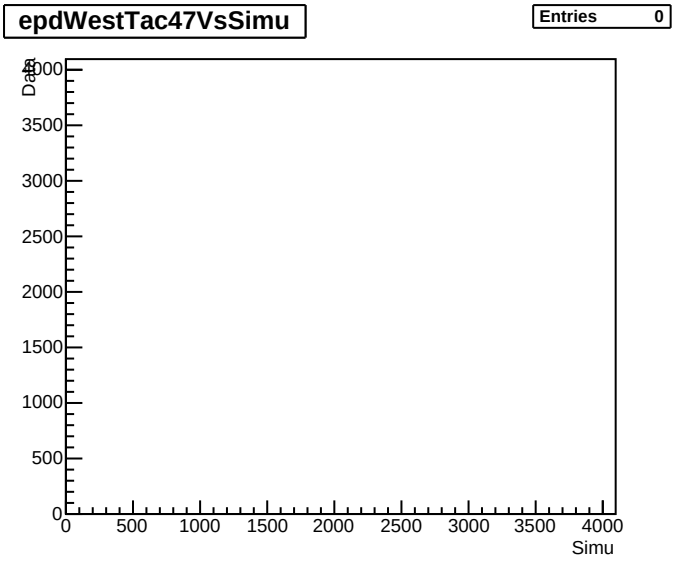
Entries 497731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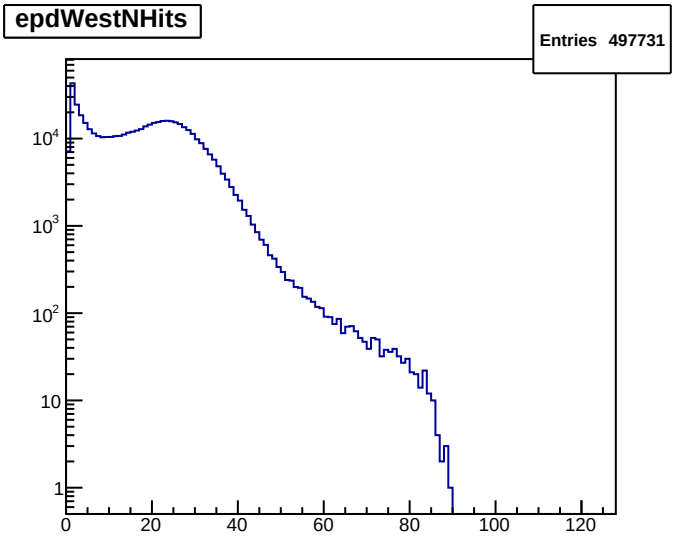
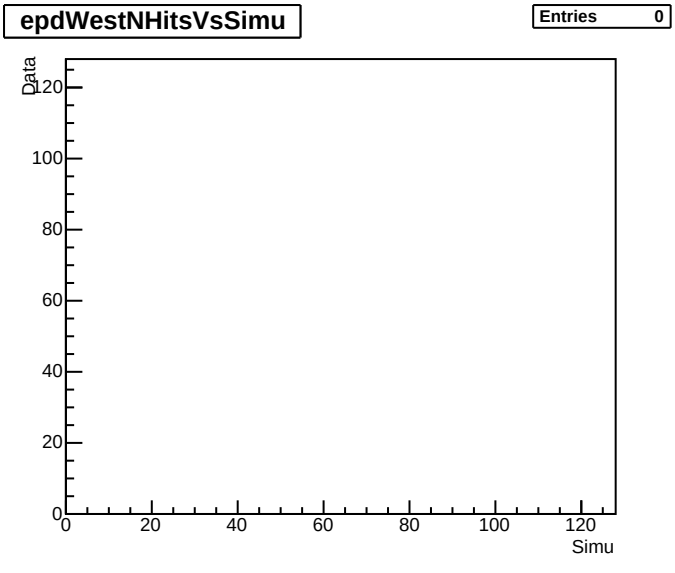
Entries 0
Data
Simu


epdWestNHits
Entries 497731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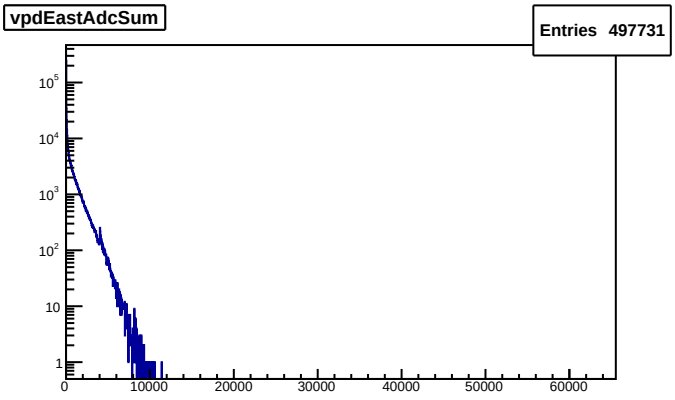
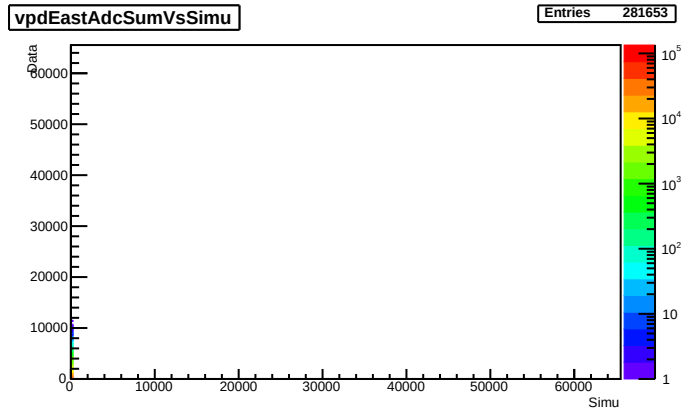
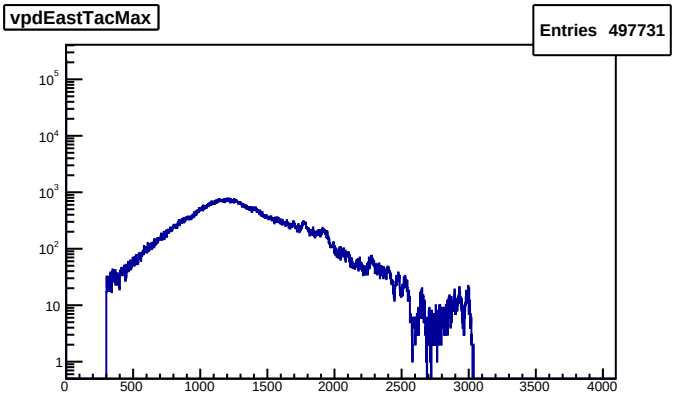
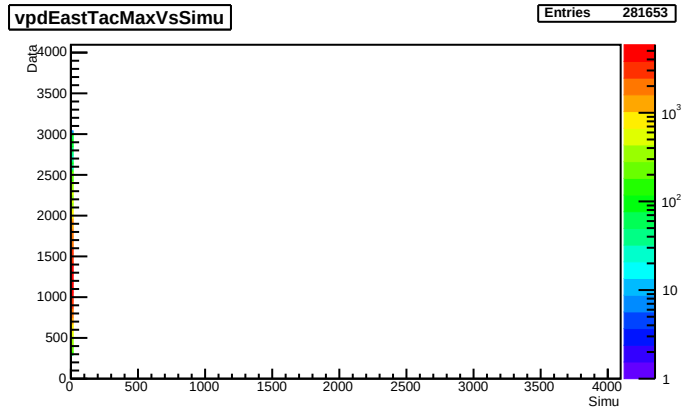
Entries 0
Data
Simu


vpdEastAdcSum
Entries 497731


vpdEastAdcSumVsSimu
Entries 281653
Data
Simu


vpdEastTacMax
Entries 497731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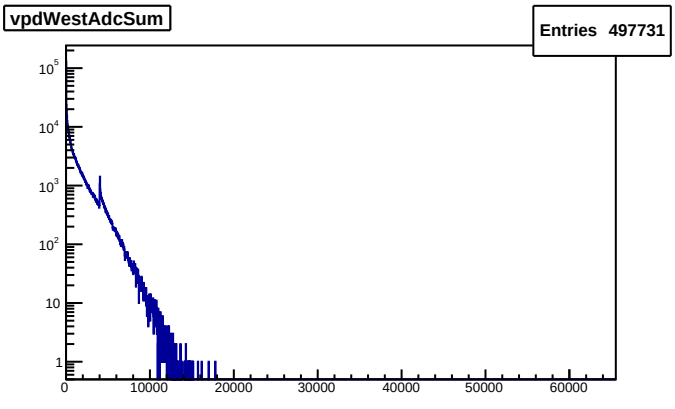
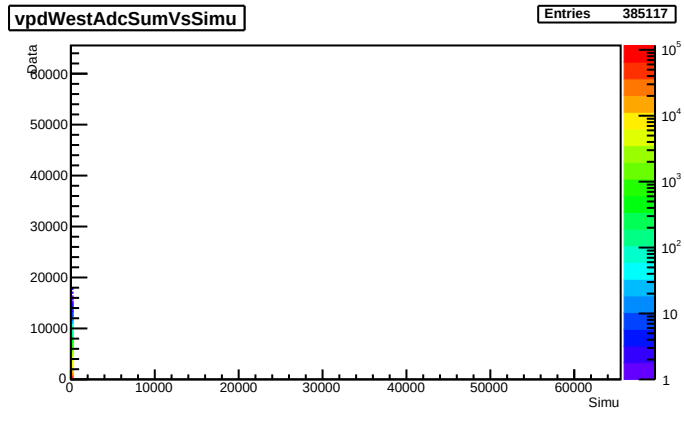
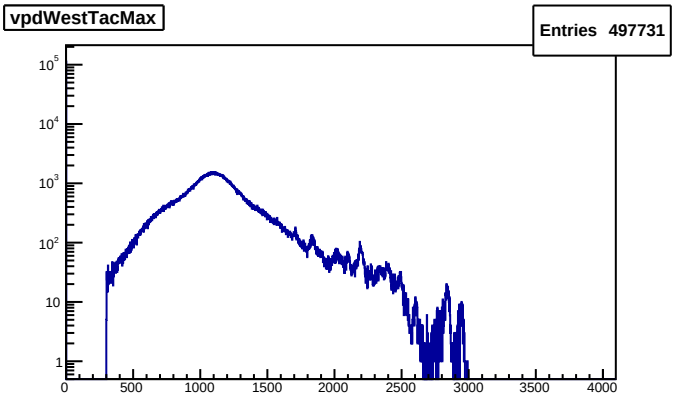
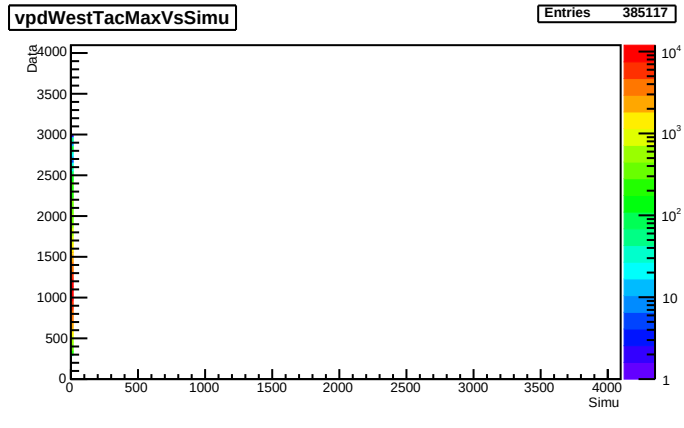
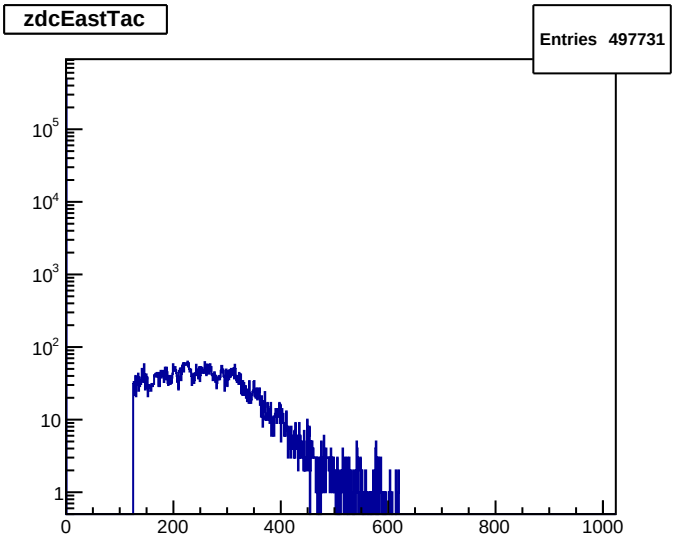
Entries 281653
Data
Simu

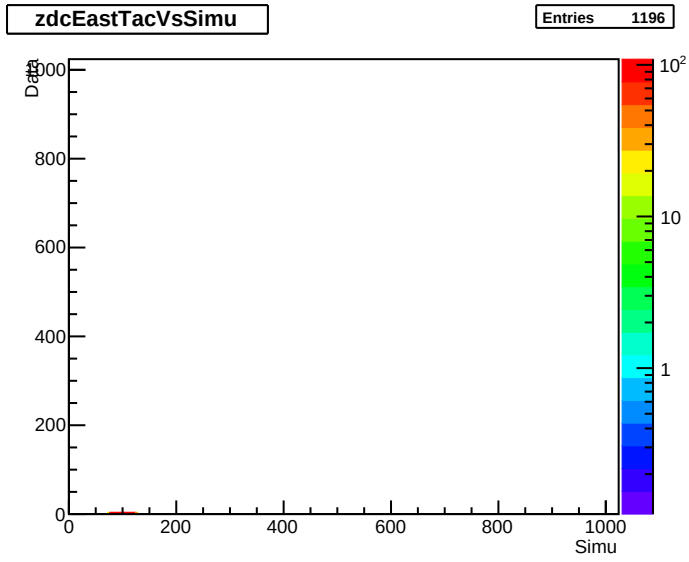

vpdWestAdcSum
Entries 497731

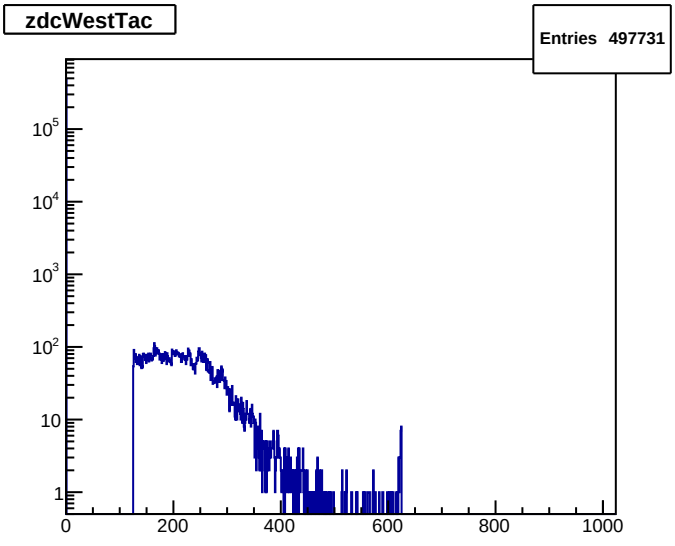

vpdWestAdcSumVsSimu
Entries 385117
Data
Simu

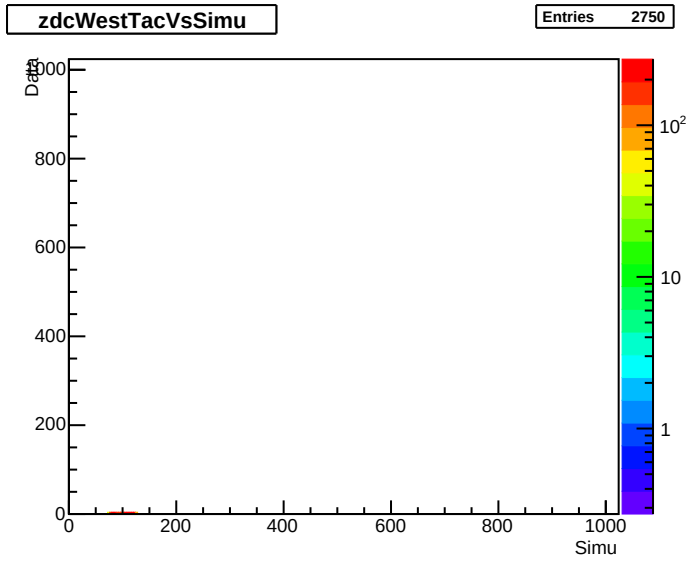

vpdWestTacMax
Entries 497731

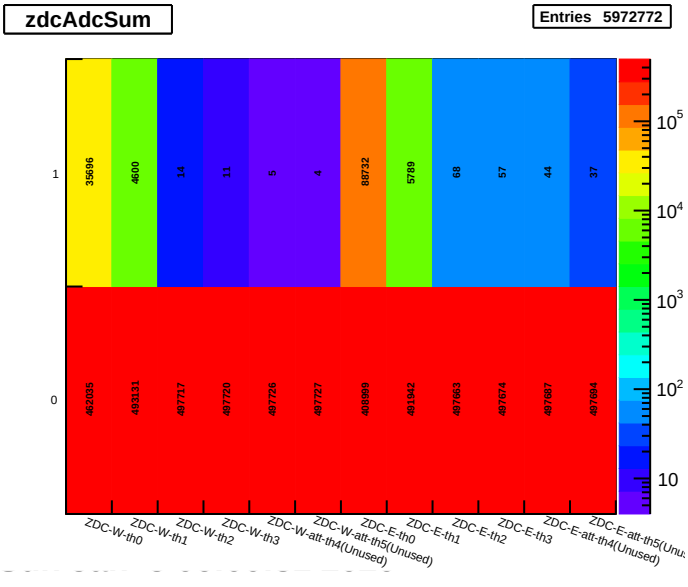

vpdWestTacMaxVsSimu
Entries 385117
Data
Simu

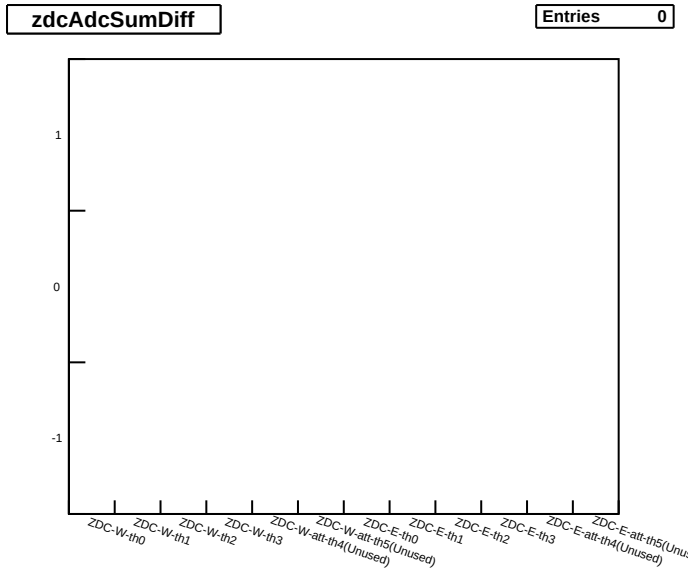

zdcEastTac
Entries 497731


zdcEastTacVsSimu
Entries 1196
Data
Simu


zdcWestTac
Entries 497731


zdcWestTacVsSimu
Entries 2750
Data
Simu


zdcAdcSum
Entries 5972772
35696
4600
14
11
5
4
88732
5789
68
57
44
37
462035
493131
497717
497720
497726
497727
408990
491942
497663
497674
497687
497694
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)
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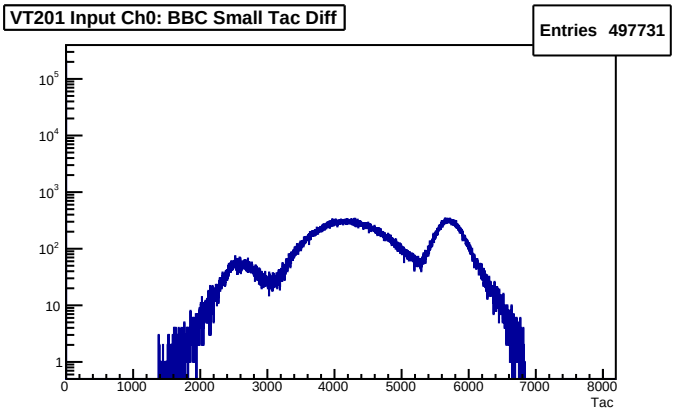
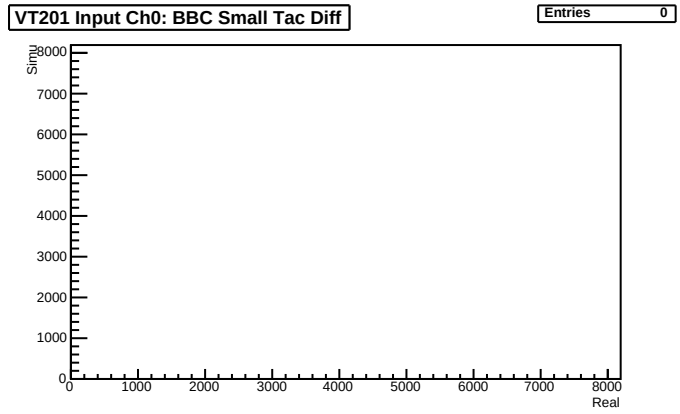
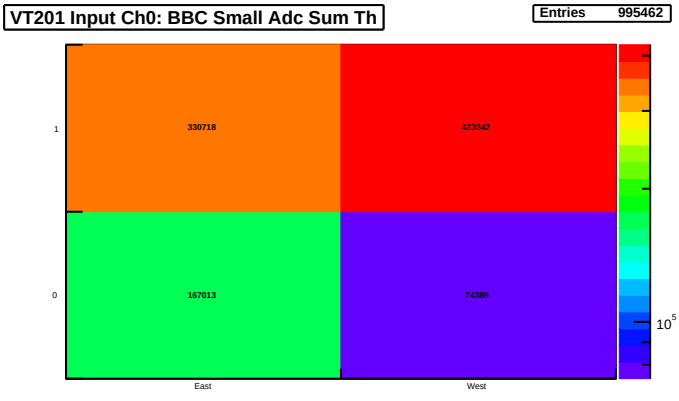
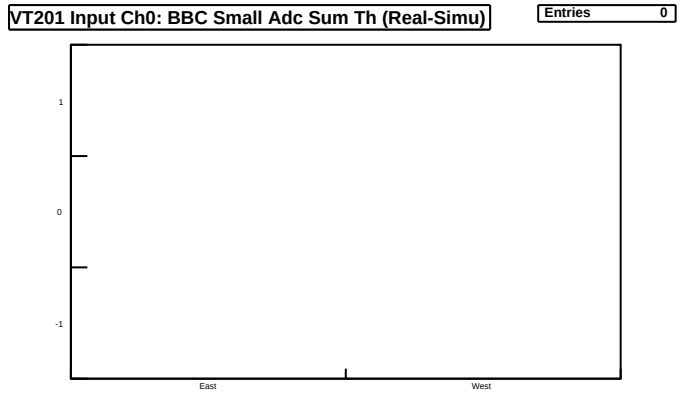
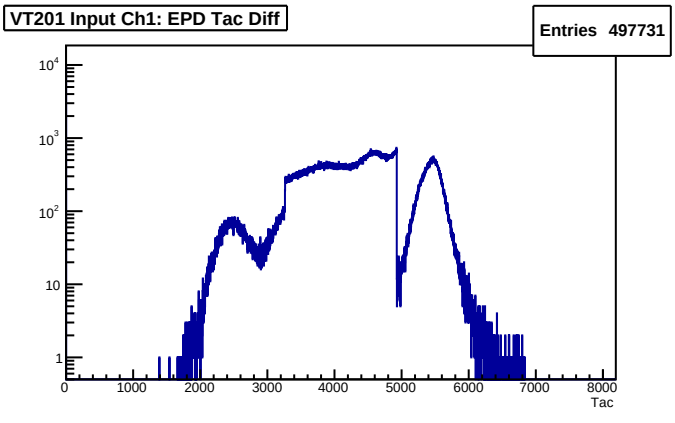
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

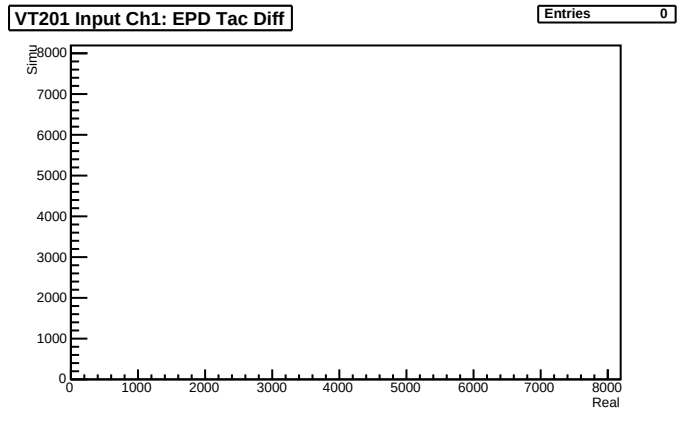

VT201 Input Ch0: BBC Small Tac Diff
Entries 497731
Tac

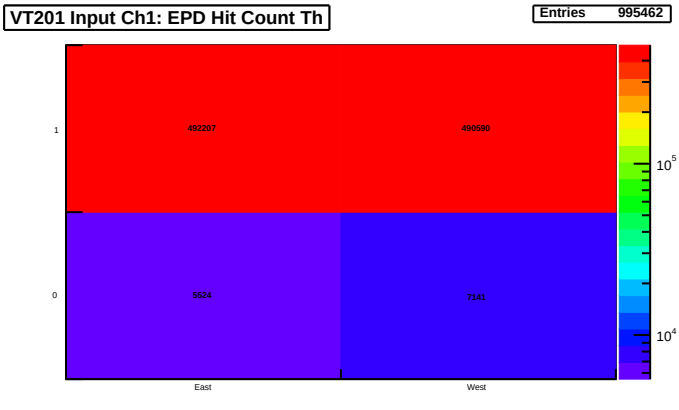

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

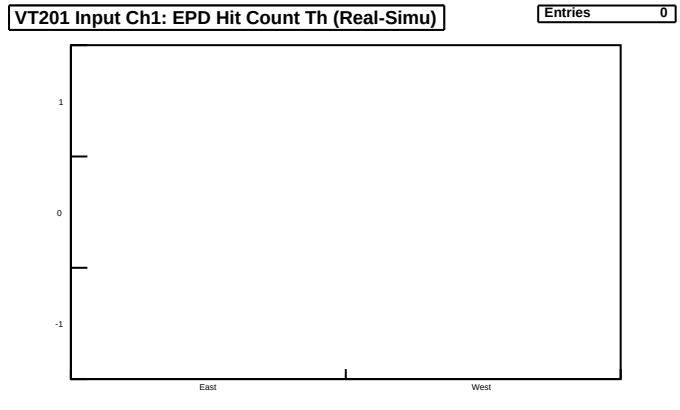

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 995462
330718
423342
167013
74389
East
West

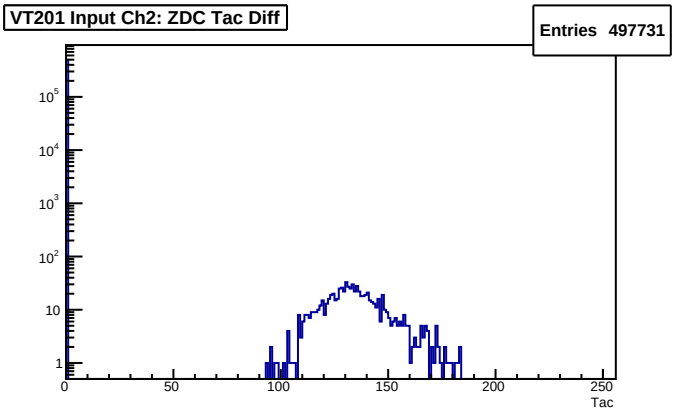

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

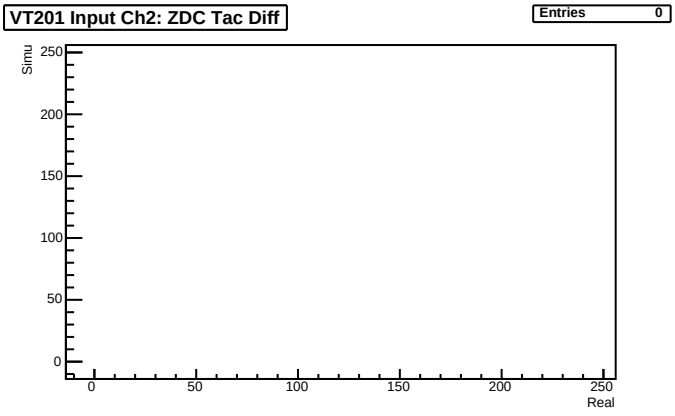

VT201 Input Ch1: EPD Tac Diff
Entries 497731
Tac

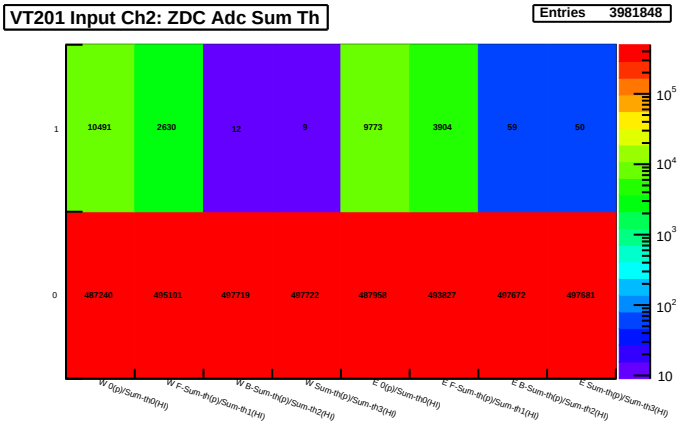

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

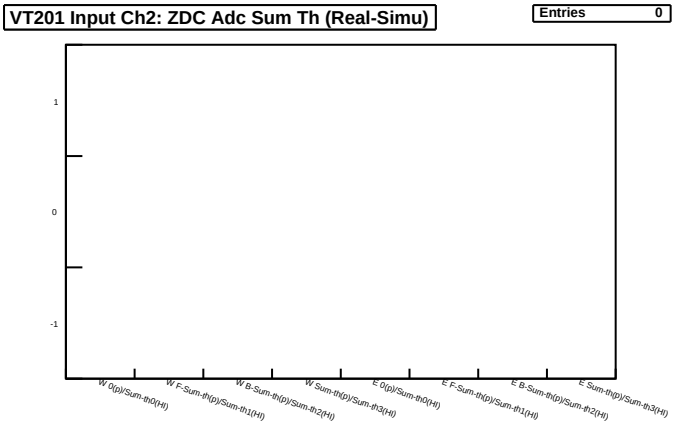

VT201 Input Ch1: EPD Hit Count Th
Entries 995462
492207
490590
5524
7141
East
West

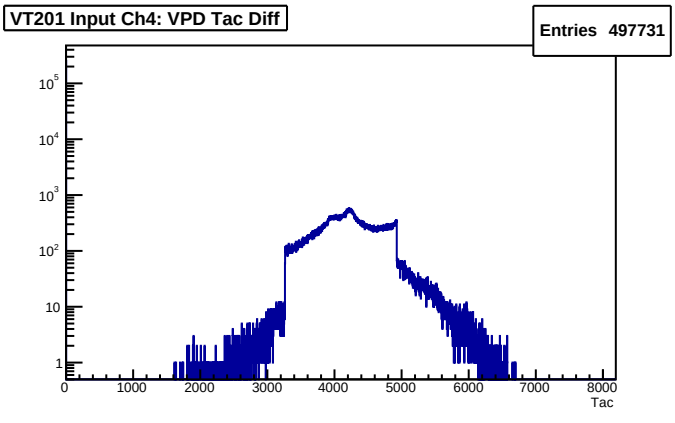

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

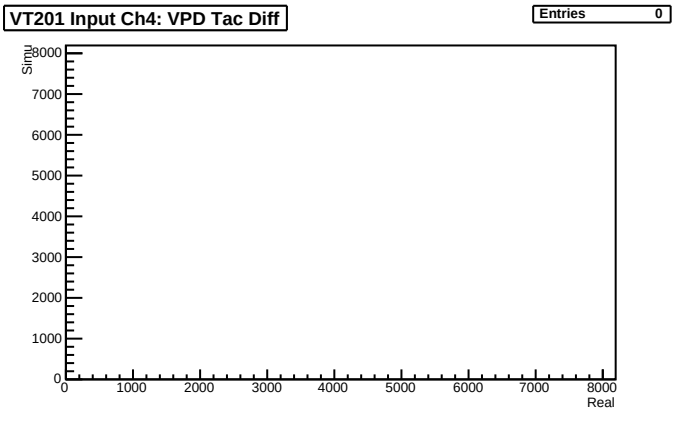

VT201 Input Ch2: ZDC Tac Diff
Entries 497731
Tac

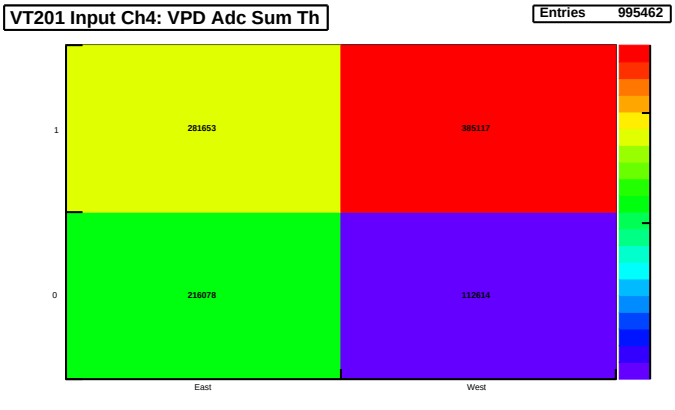

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

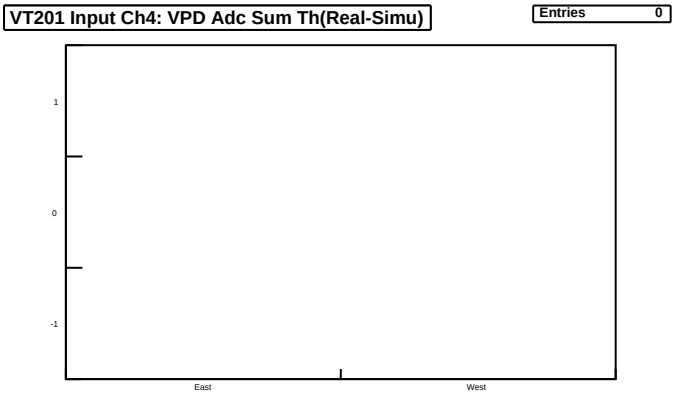

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3981848
10491
2630
12
9
9773
3904
59
50
487240
495101
497719
497722
487958
493827
497672
497681
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

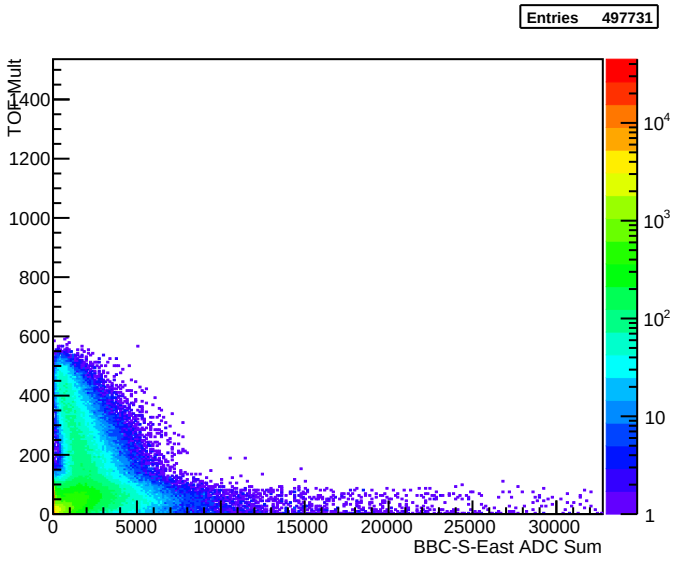

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

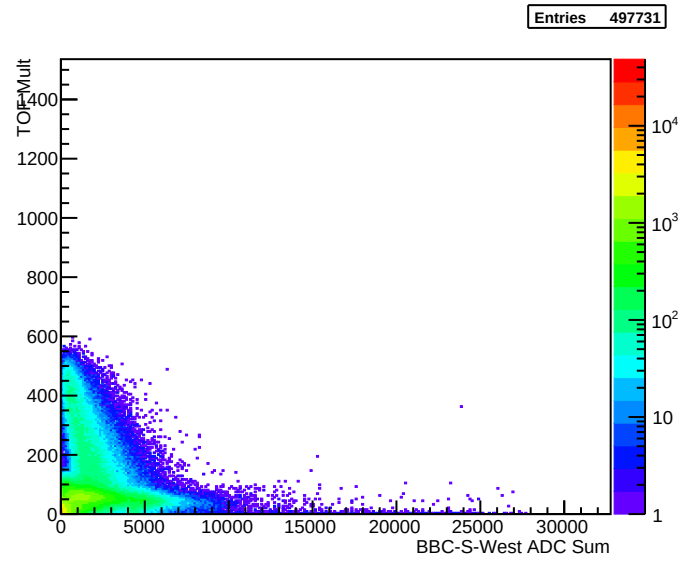

VT201 Input Ch4: VPD Tac Diff
Entries 497731
Tac

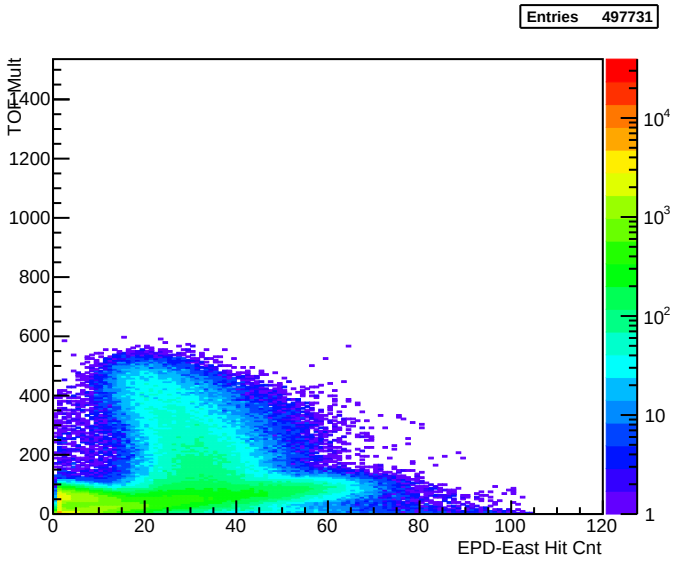

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

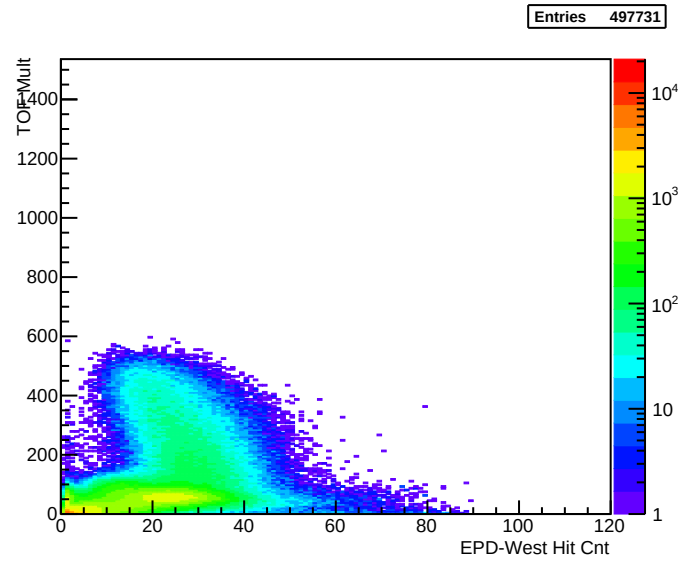

VT201 Input Ch4: VPD Adc Sum Th
Entries 995462
281653
385117
216078
112614
East
West

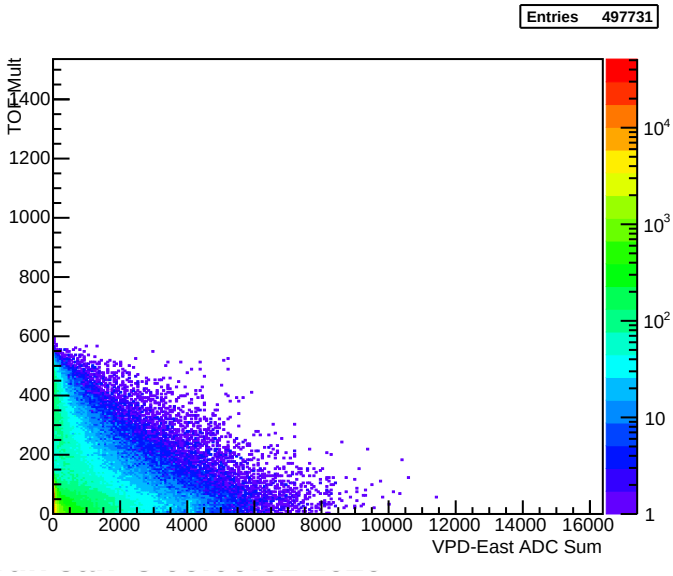

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

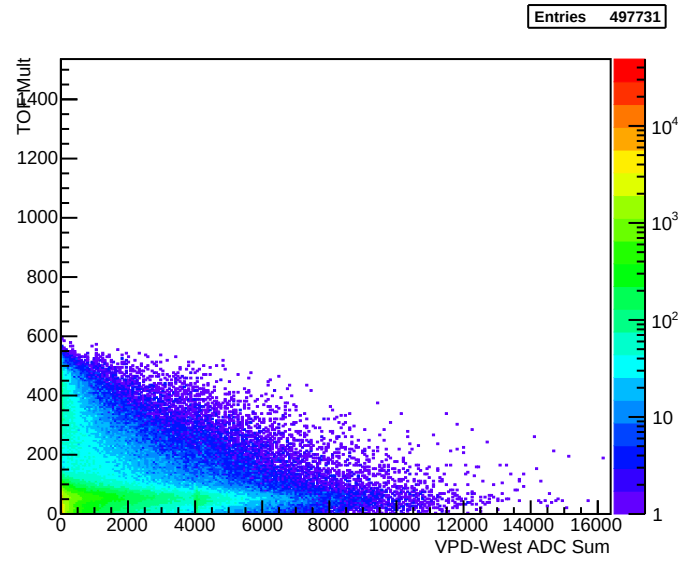

Entries 497731
TOF-Mult
BBC-S-East ADC Sum

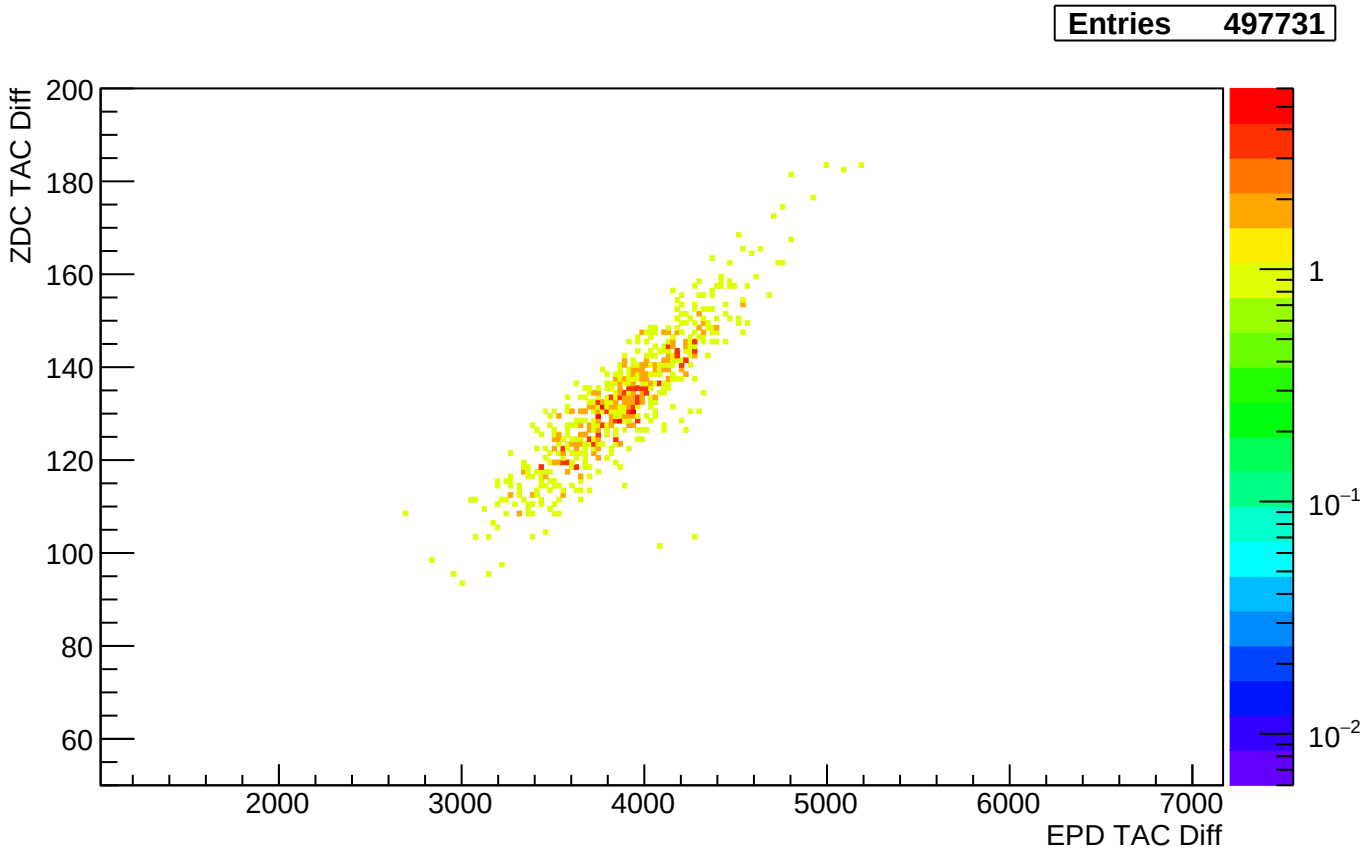

Entries 497731
TOF-Mult
BBC-S-West ADC Sum

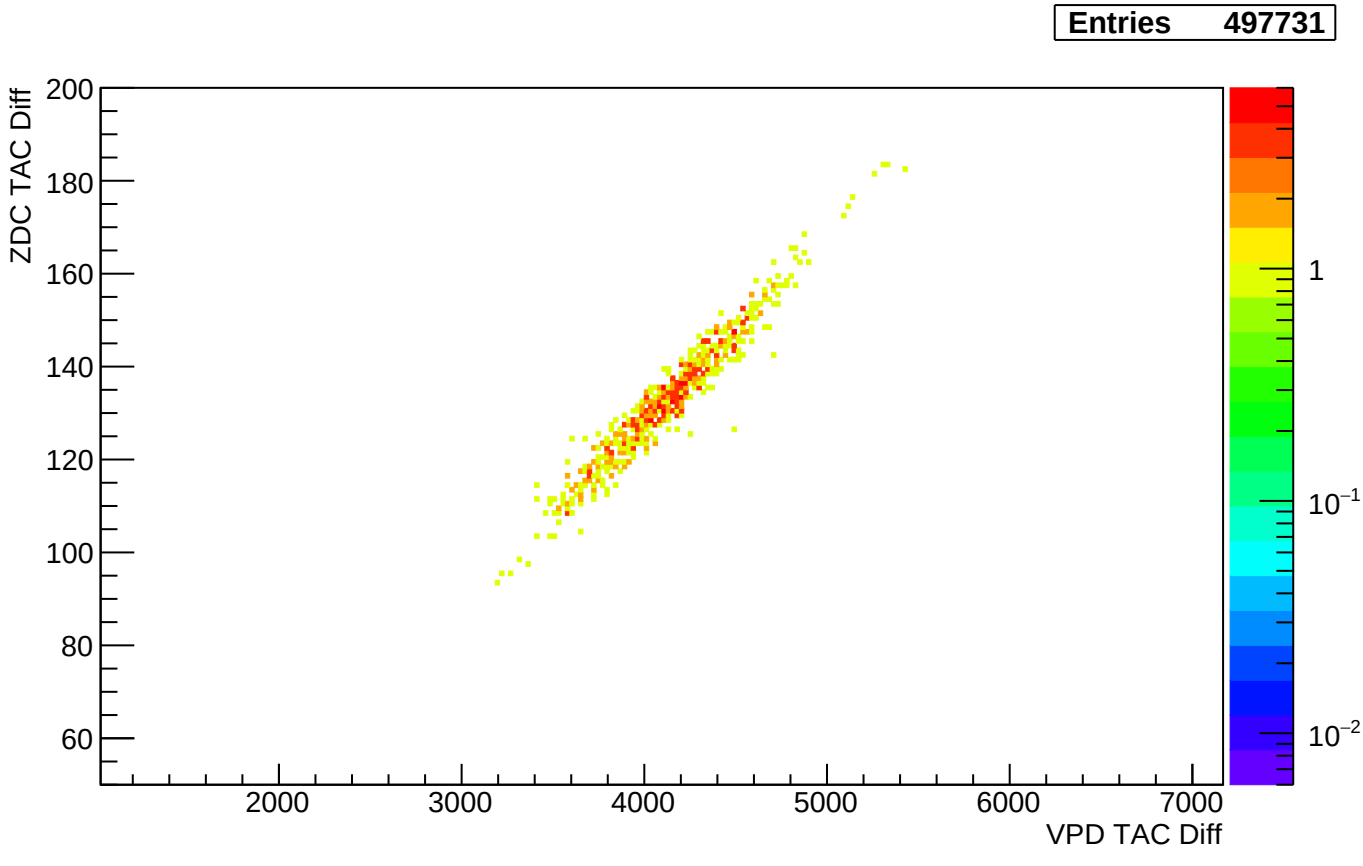

Entries 497731
TOF-Mult
EPD-East Hit Cnt

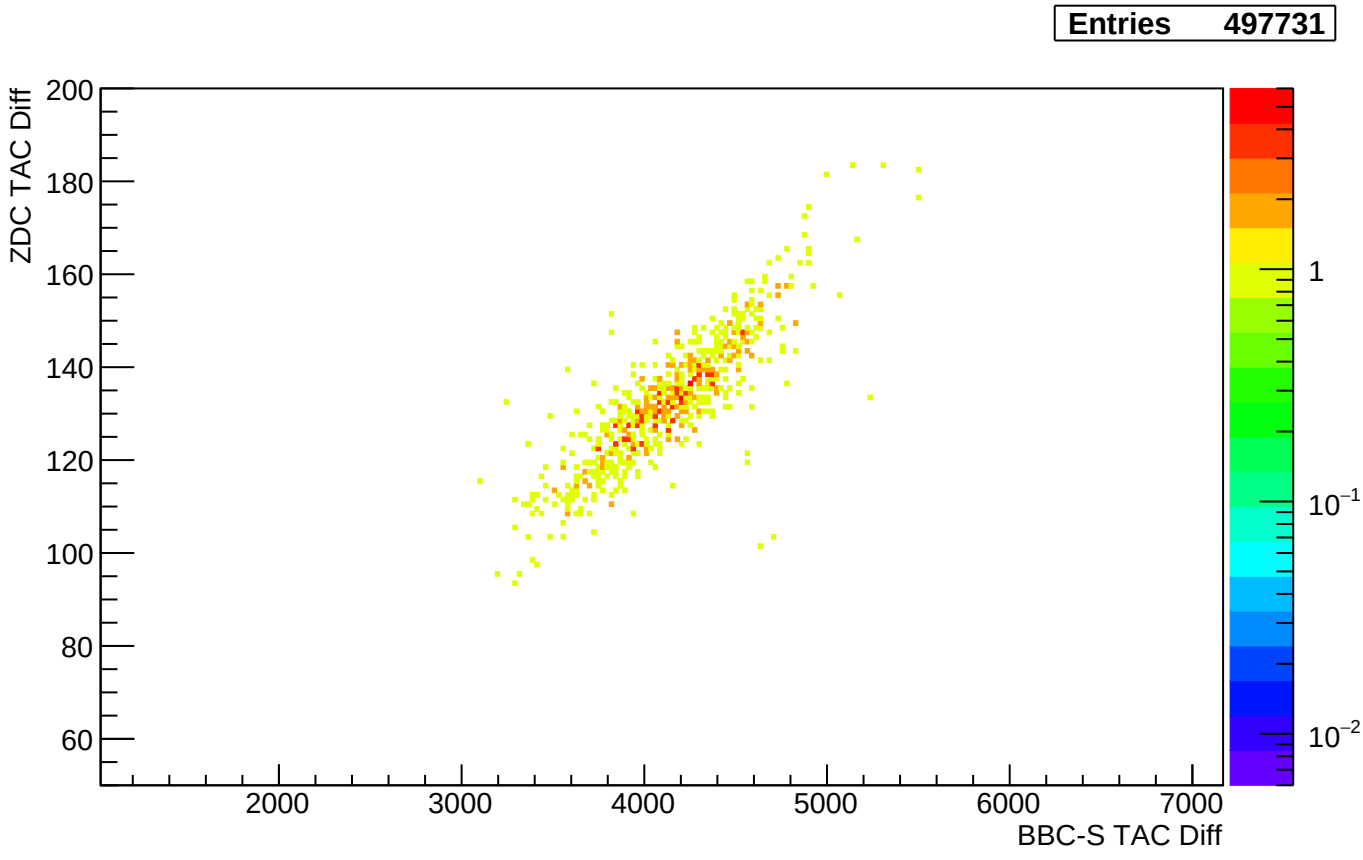

Entries 497731
TOF-Mult
EPD-West Hit Cnt

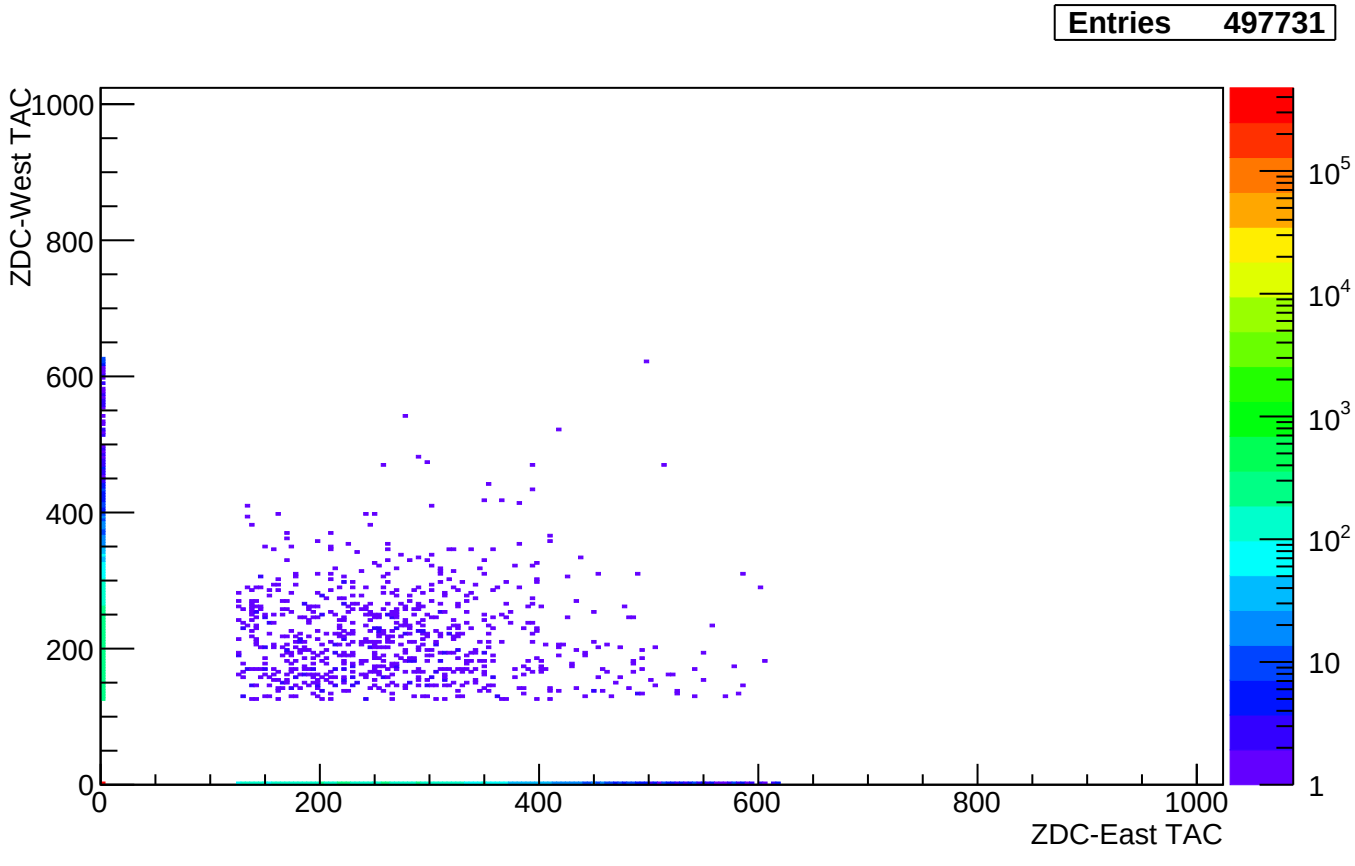

Entries 497731
TOF-Mult
VPD-East ADC Sum

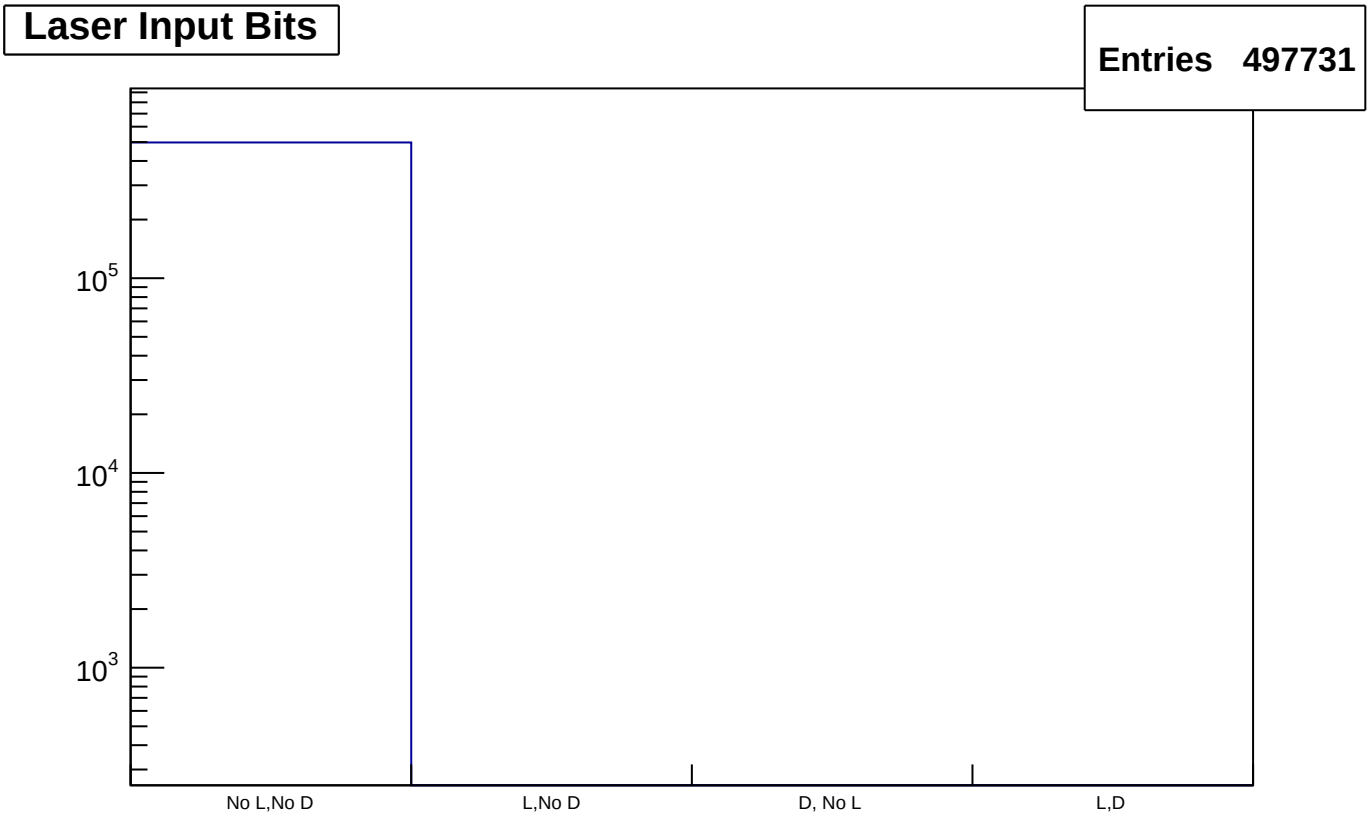

Entries 497731
TOF-Mult
VPD-West ADC Sum

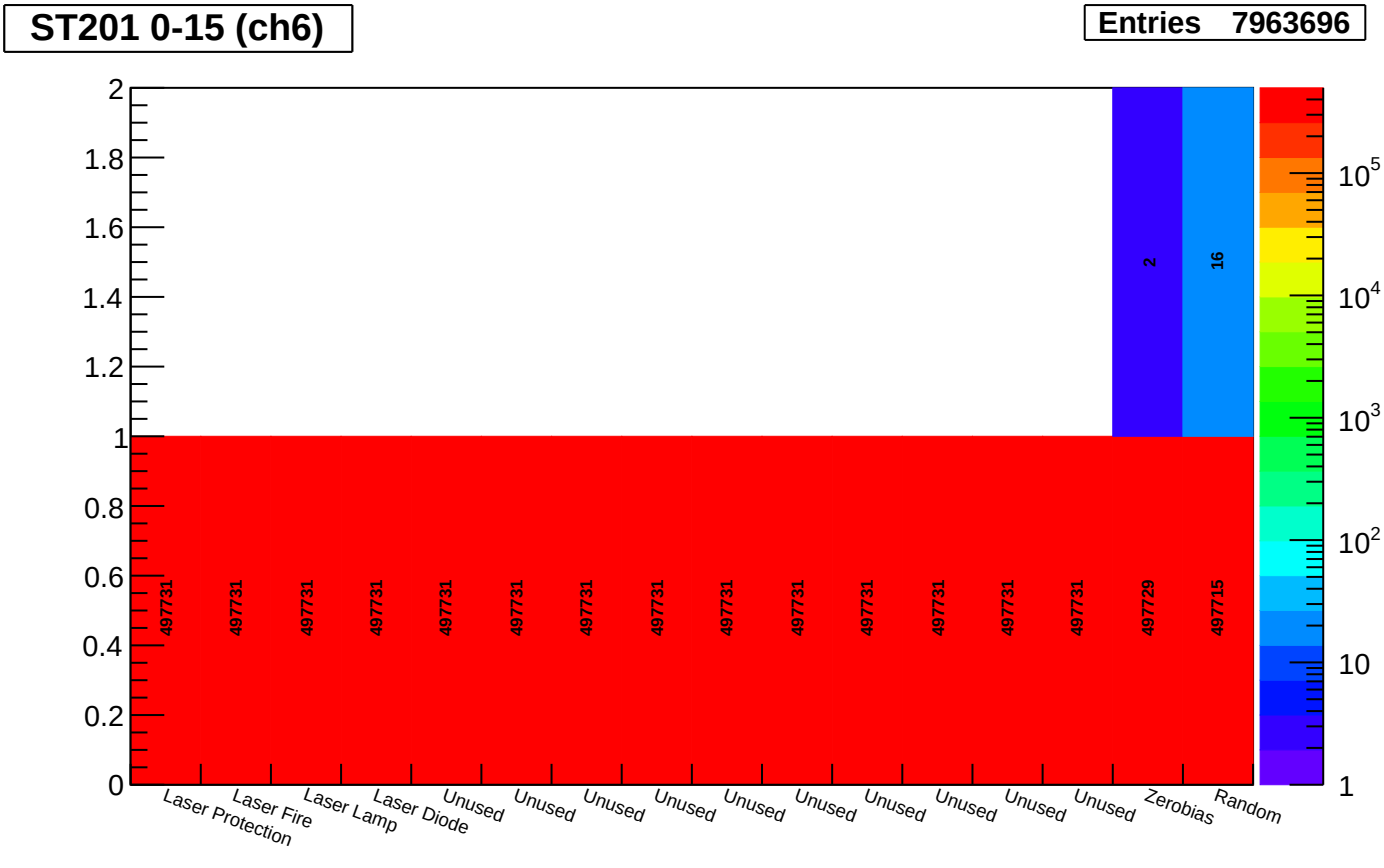

Entries 497731
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

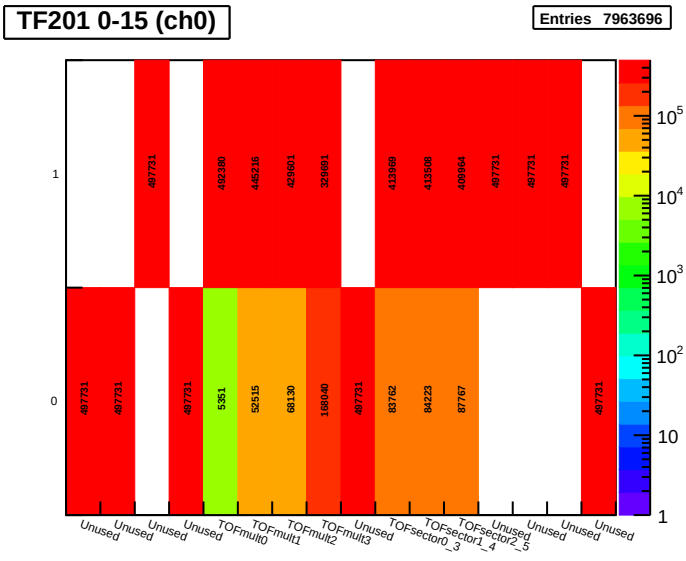

Entries 497731
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

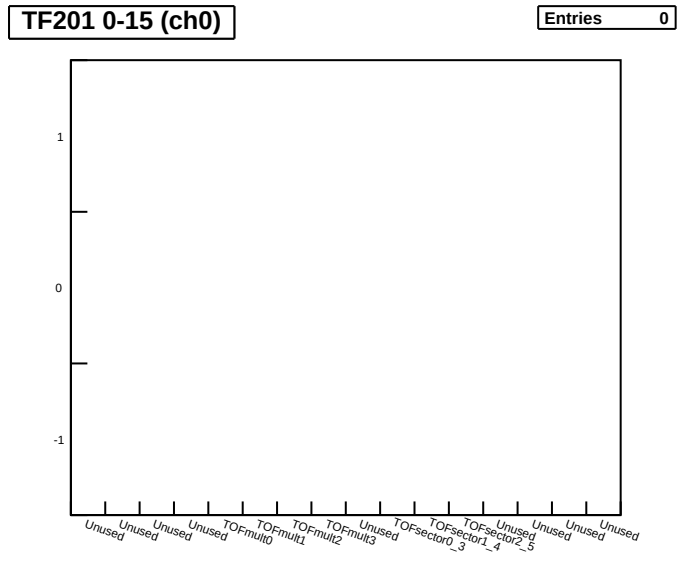

Entries 497731
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

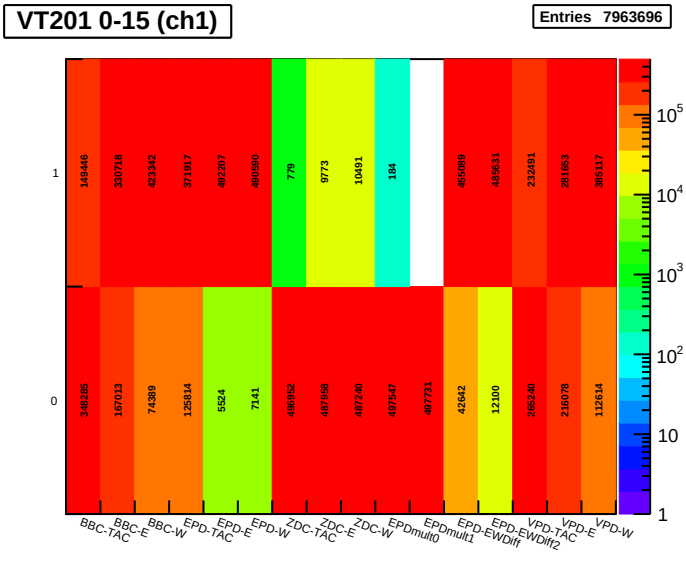

Entries 497731
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

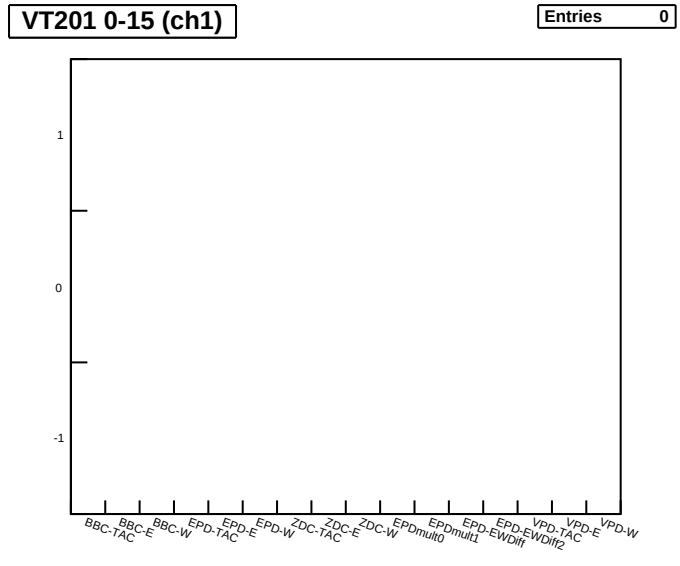

Laser Input Bits
Entries 497731
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

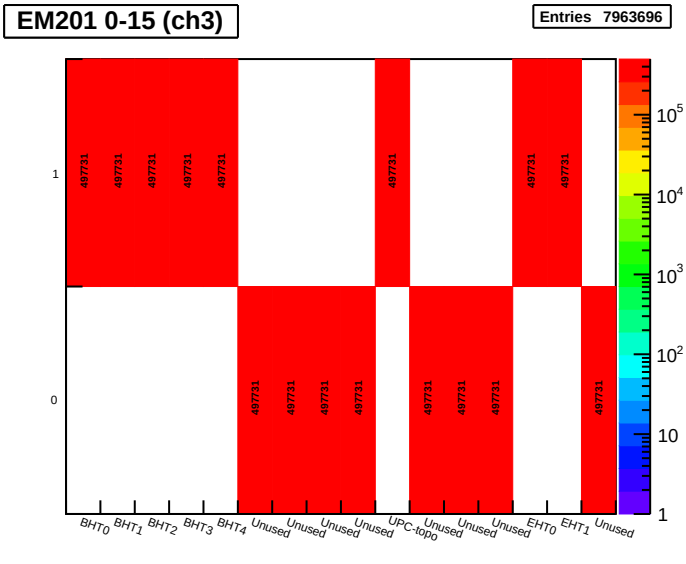

ST201 0-15 (ch6)
Entries 7963696
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
497731
497731
497731
497731
497731
497731
497731
497731
497731
497731
497731
497731
497731
497731
497729
497715
2
16
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

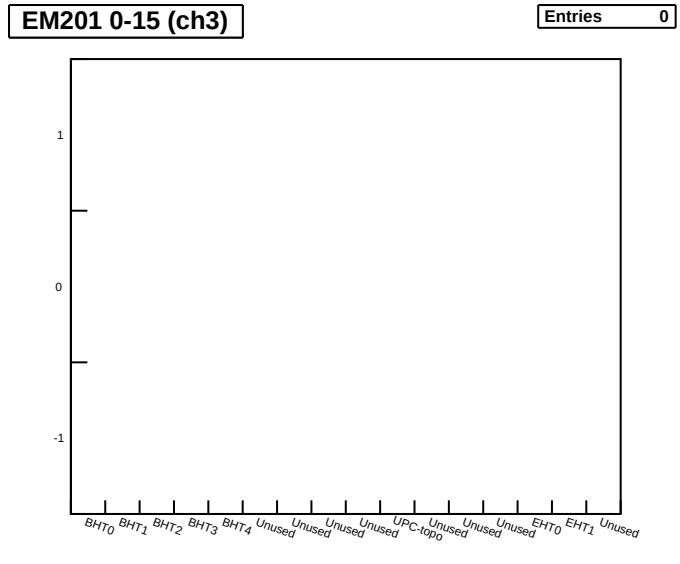

TF201 0-15 (ch0)
Entries 7963696
1
0
497731
492380
445216
429601
329691
413969
413508
409964
497731
497731
497731
497731
497731
497731
5351
52515
68130
168040
83762
84223
87767
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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 7963696
1
0
149446
330718
423342
371917
492207
490590
779
9773
10491
184
455069
485631
232491
281653
385117
348285
167013
74389
125814
5524
7141
496952
487958
487240
497547
497731
42642
12100
265240
216078
112614
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 7963696
1
0
497731
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