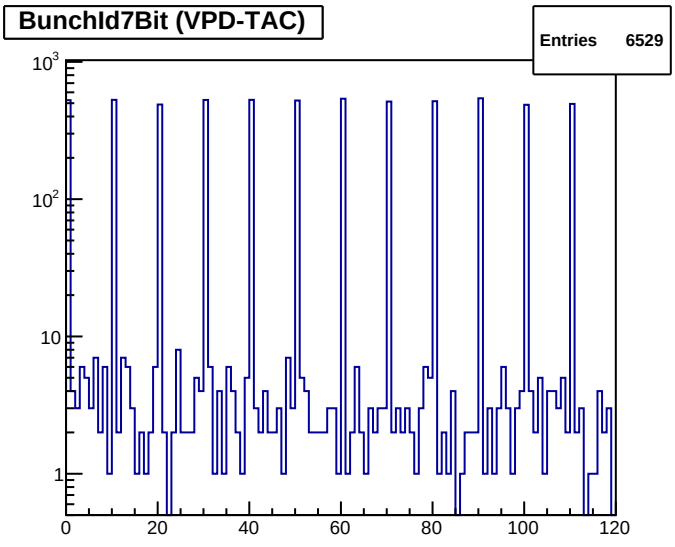
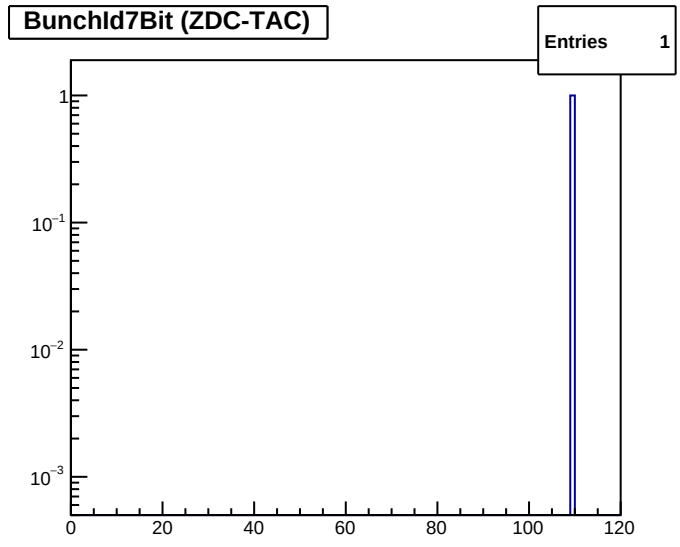
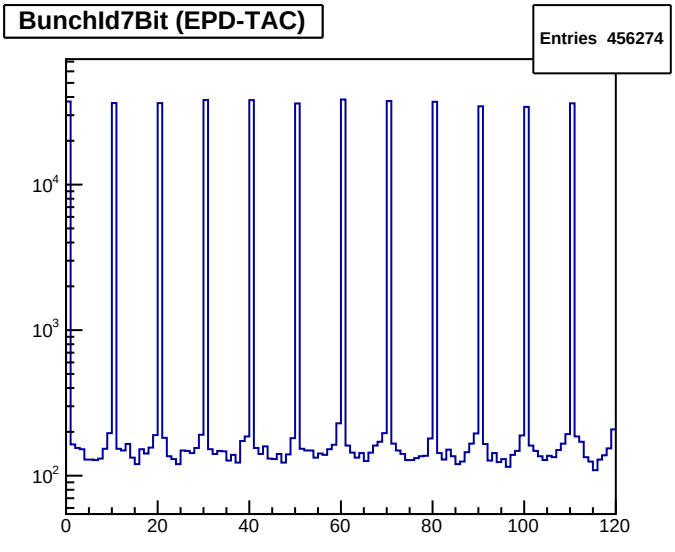
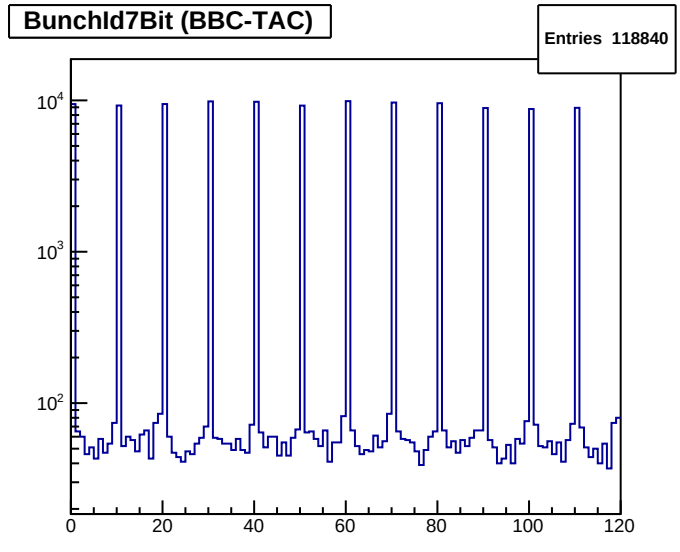
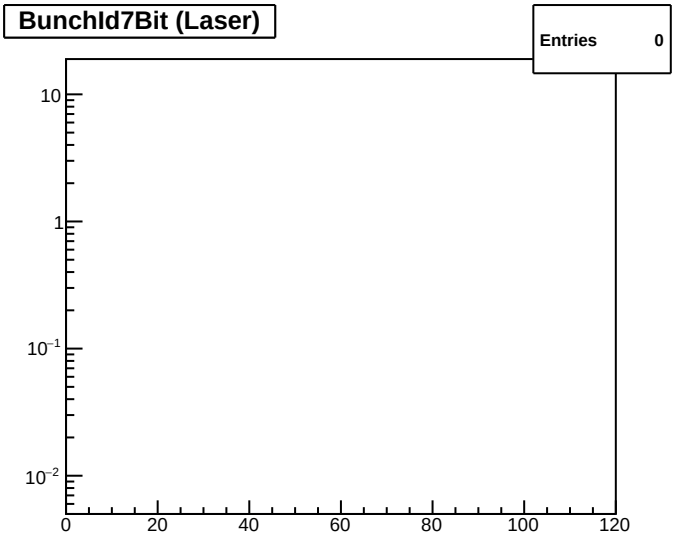
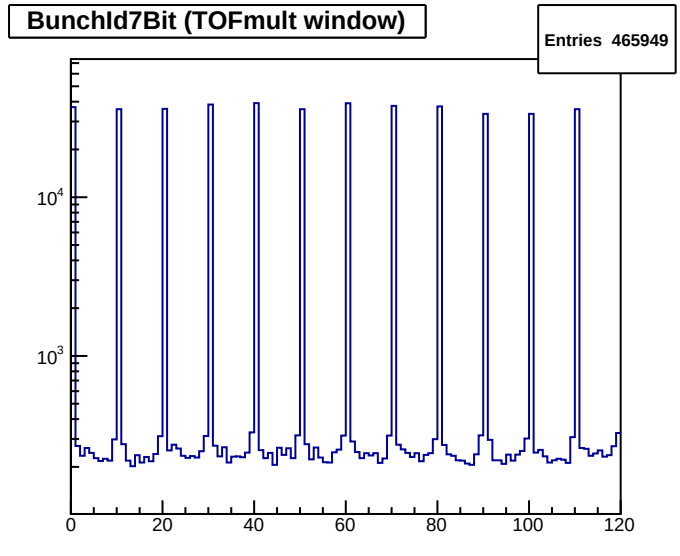

BunchId7Bit (VPD-TAC)
Entries 6529

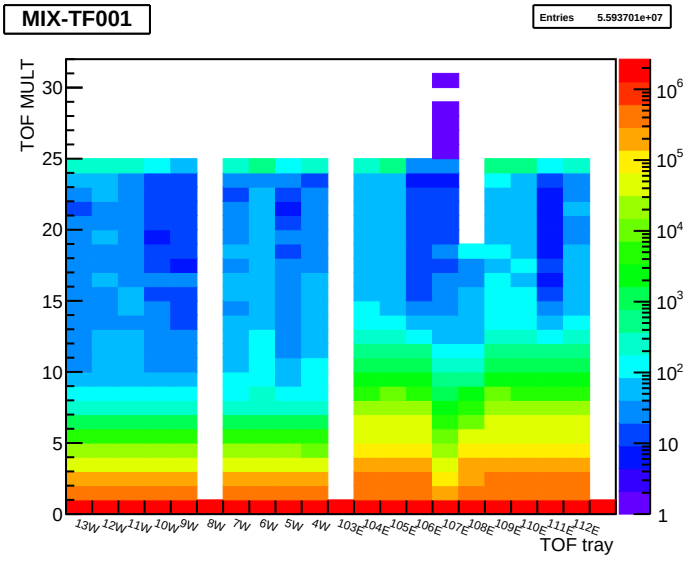

BunchId7Bit (ZDC-TAC)
Entries 1

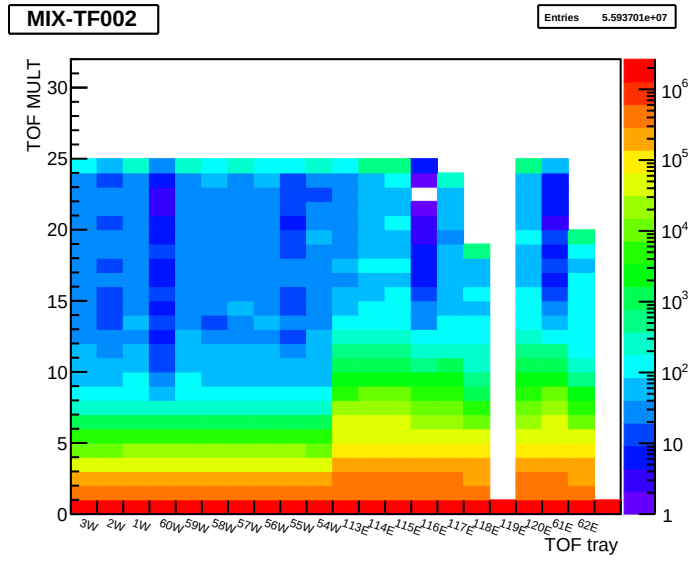

BunchId7Bit (EPD-TAC)
Entries 456274

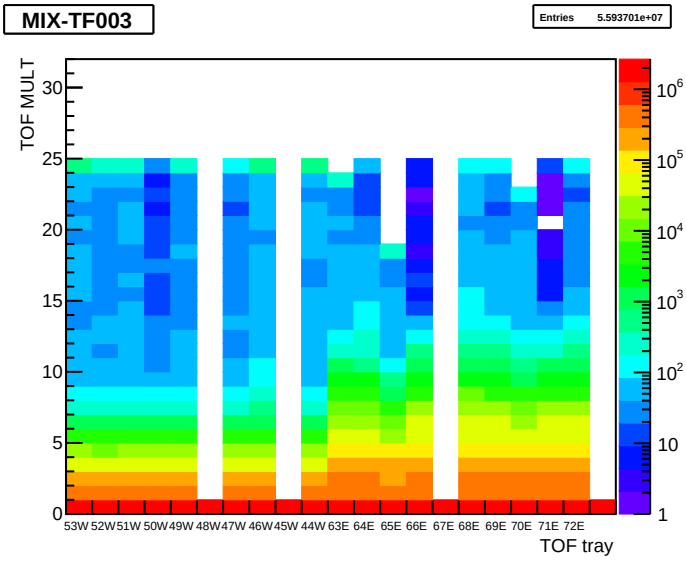

BunchId7Bit (BBC-TAC)
Entries 118840

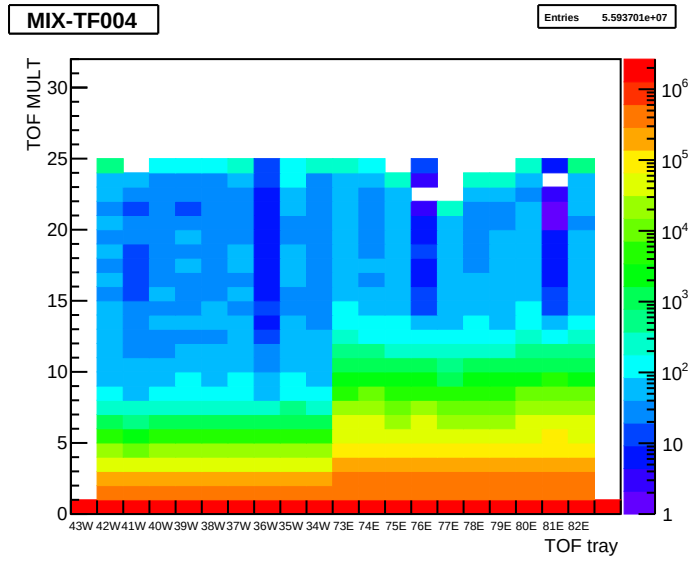

BunchId7Bit (Laser)
Entries 0

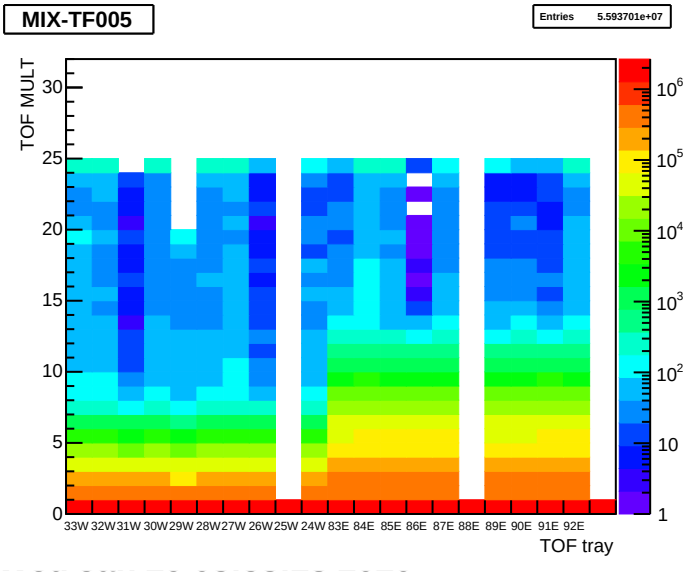

BunchId7Bit (TOFmult window)
Entries 465949

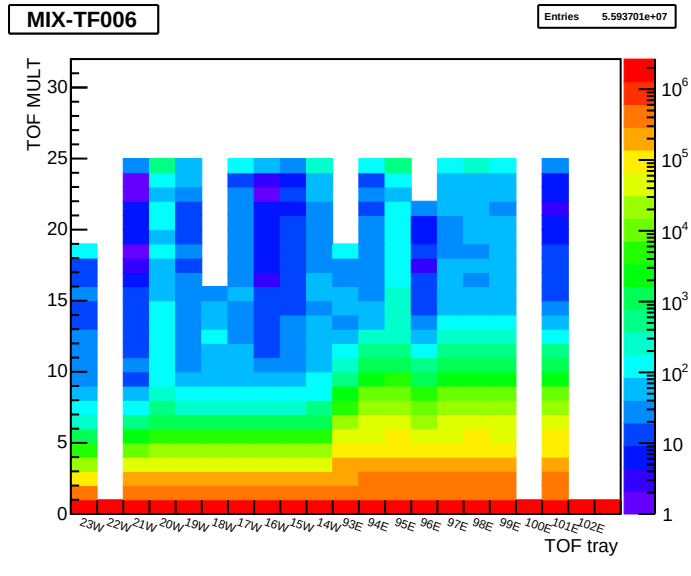

MIX-TF001
Entries 5.593701e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

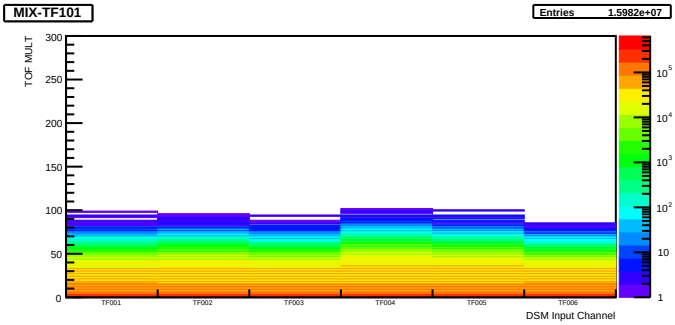

MIX-TF002
Entries 5.593701e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

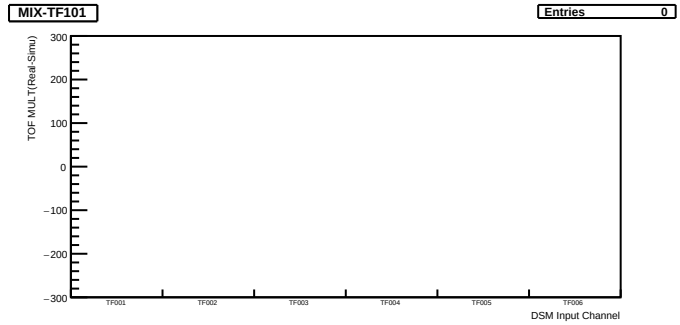

MIX-TF003
Entries 5.593701e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

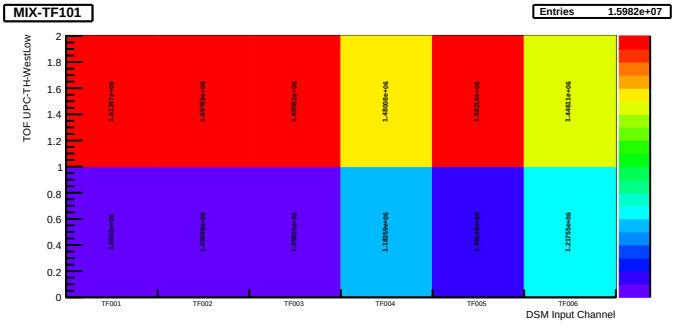

MIX-TF004
Entries 5.593701e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

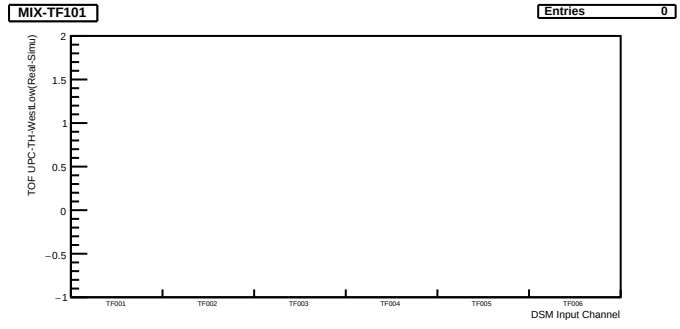

MIX-TF005
Entries 5.593701e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

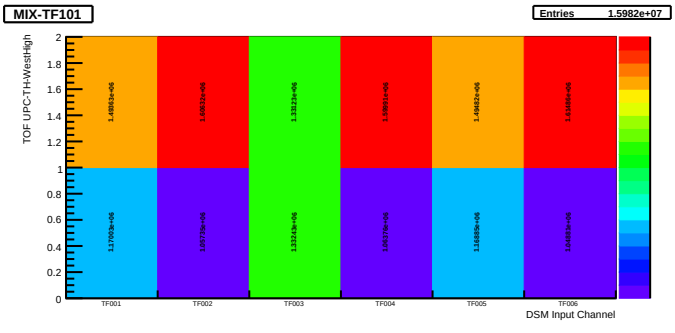

MIX-TF006
Entries 5.593701e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

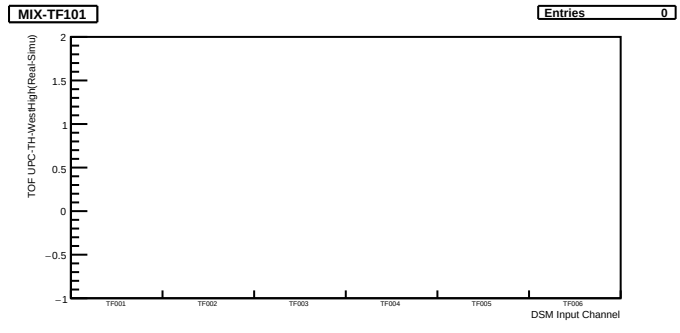

MIX-TF101
Entries 1.5982e+07
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

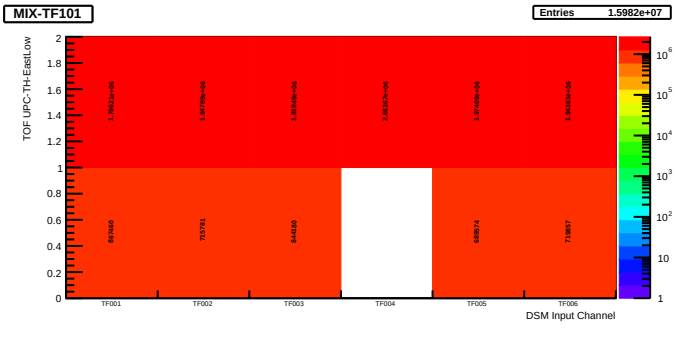

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

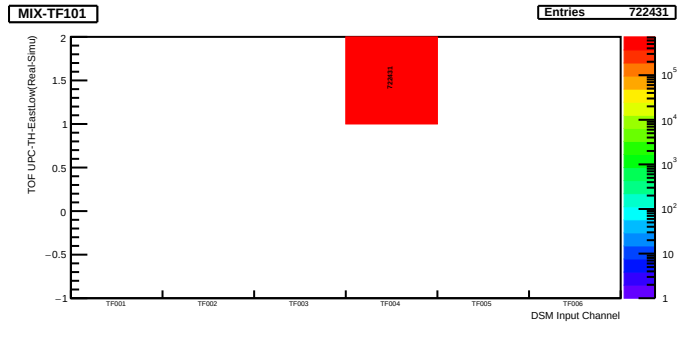

MIX-TF101
Entries 1.5982e+07
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

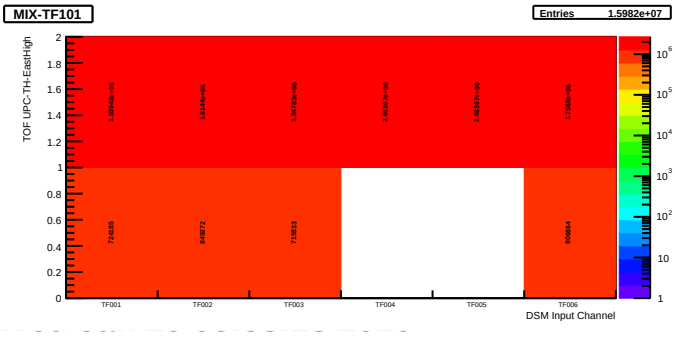

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

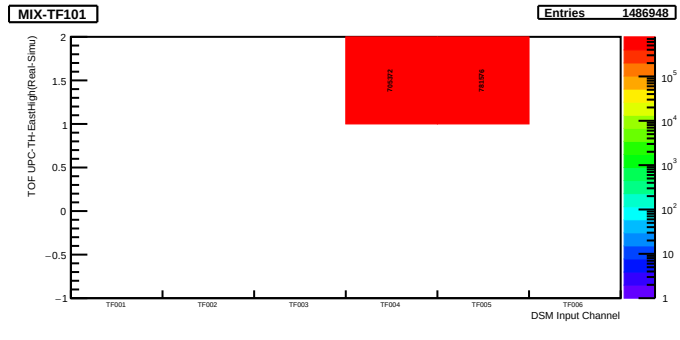

MIX-TF101
Entries 1.5982e+07
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

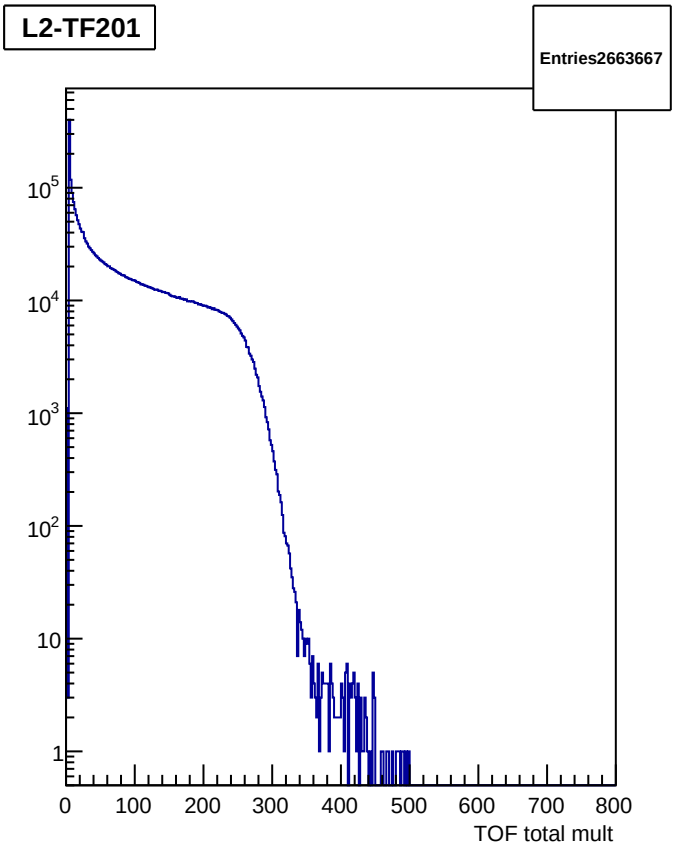

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

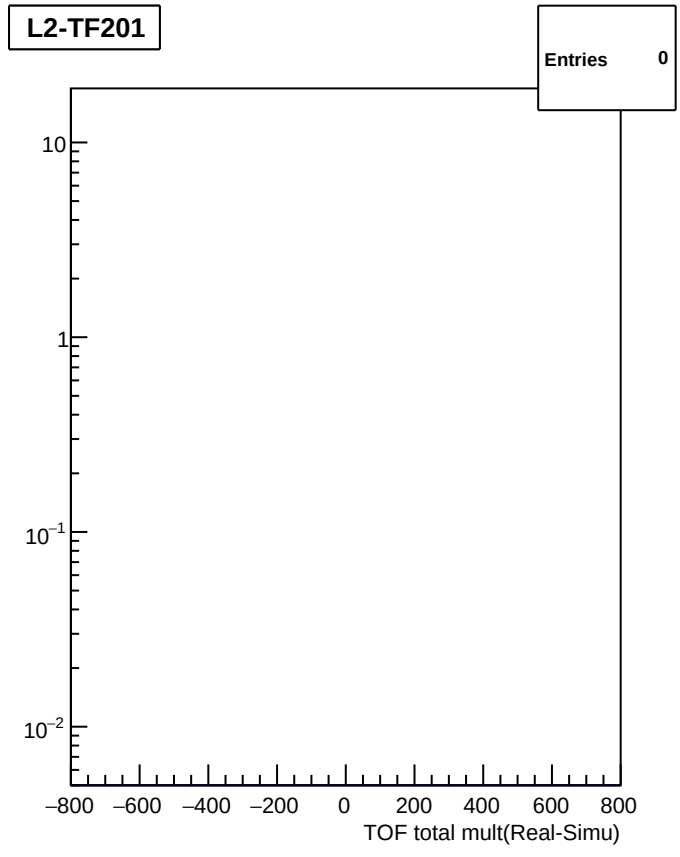

MIX-TF101
Entries 1.5982e+07
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

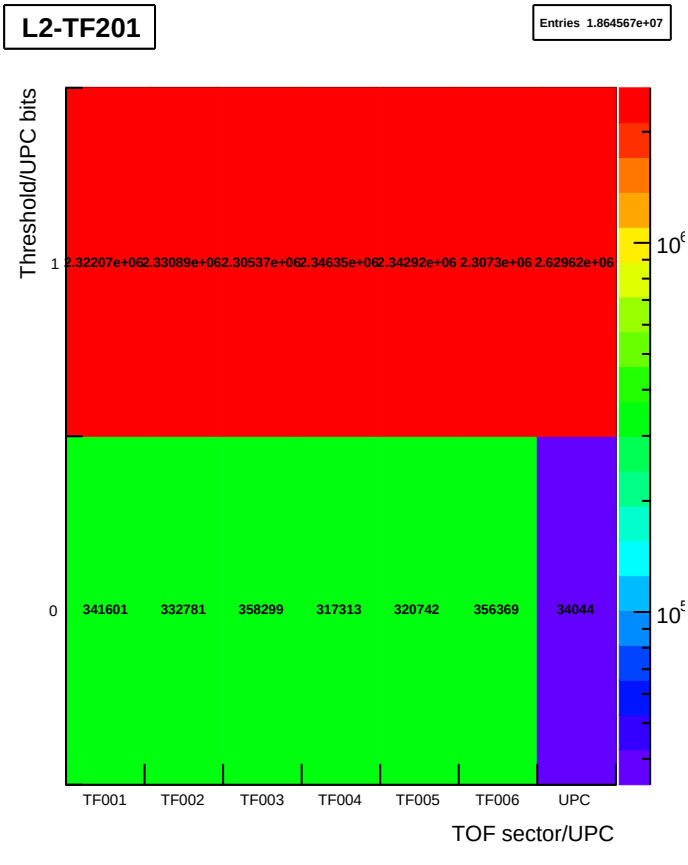

MIX-TF101
Entries 722431
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

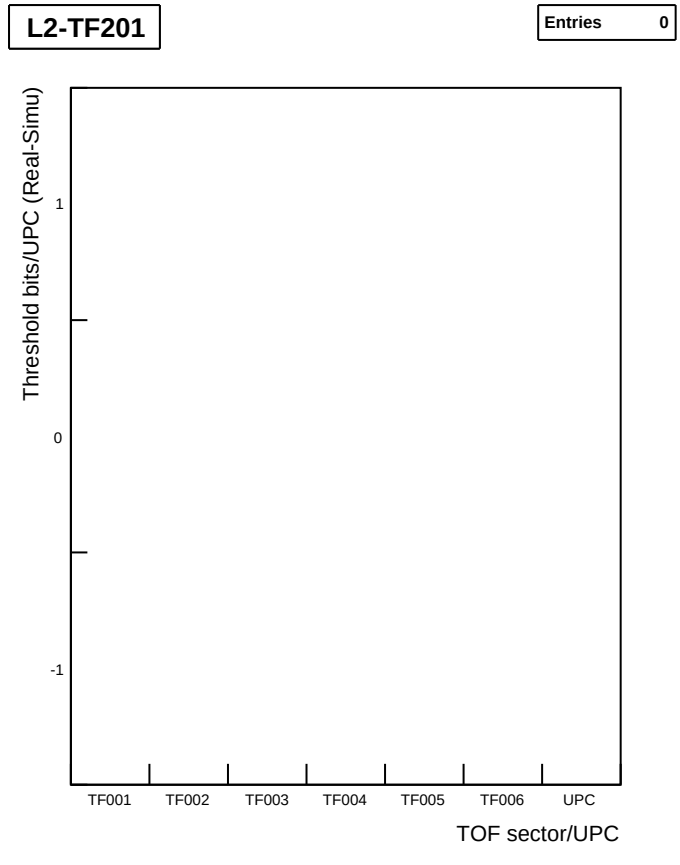

MIX-TF101
Entries 1.5982e+07
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

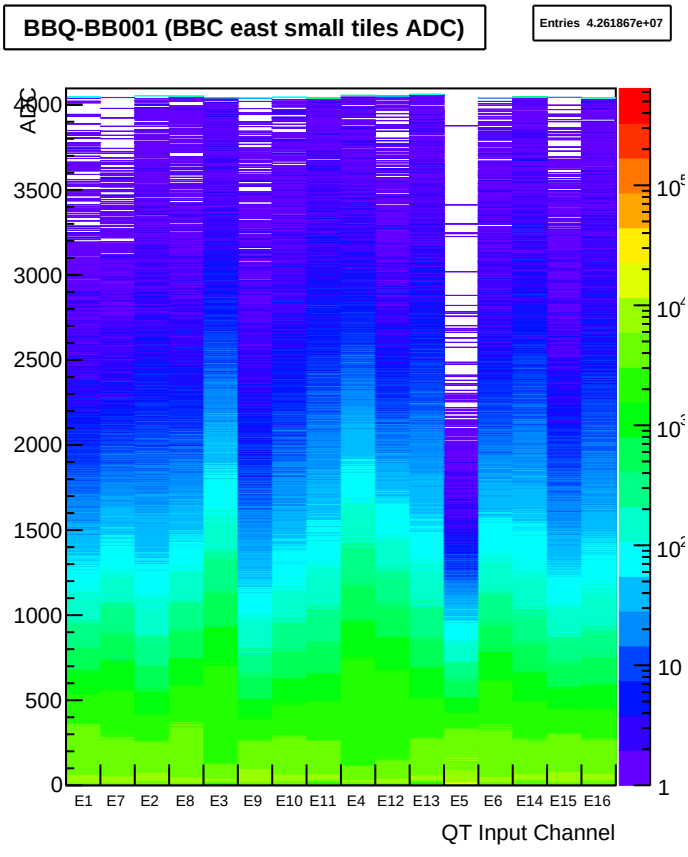

MIX-TF101
Entries 1486948
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

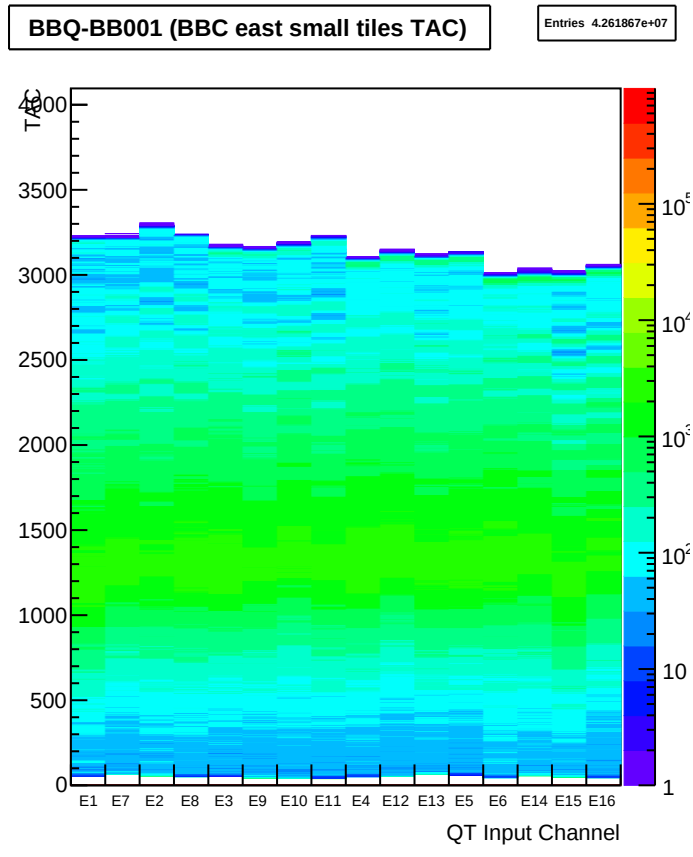

L2-TF201
Entries2663667
TOF total mult

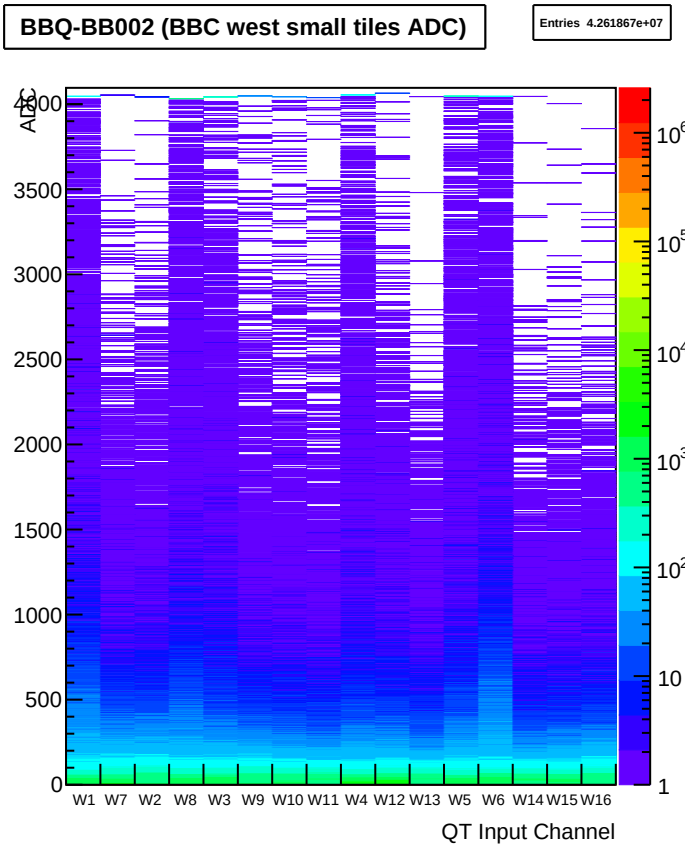

L2-TF201
Entries 0
TOF total mult(Real-Simu)

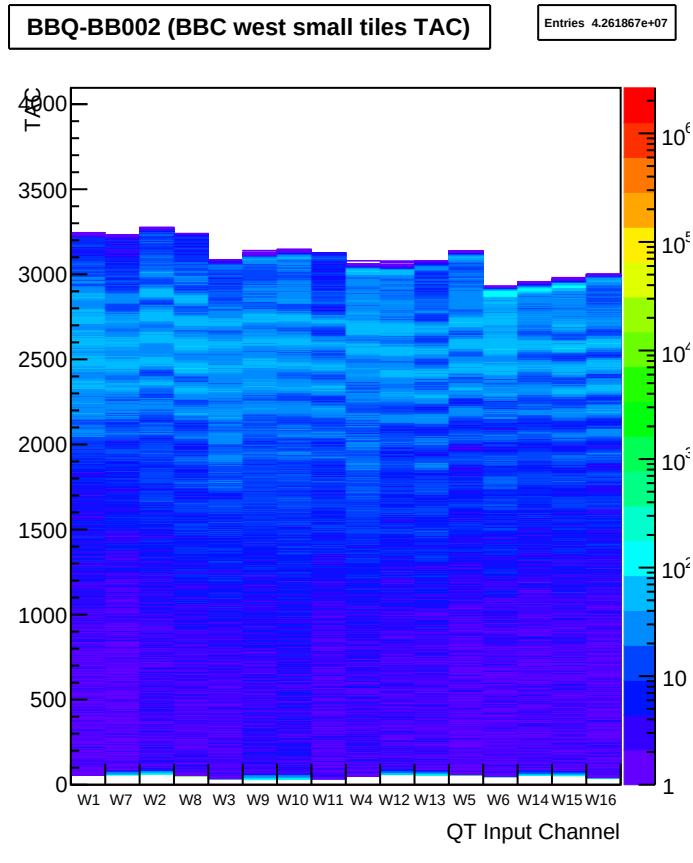

L2-TF201
Entries 1.864567e+07
Threshold/UPC bits
2.32207e+06 2.33089e+06 2.30537e+06 2.34635e+06 2.34292e+06 2.3073e+06 2.62962e+06
341601 332781 358299 317313 320742 356369 34044
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

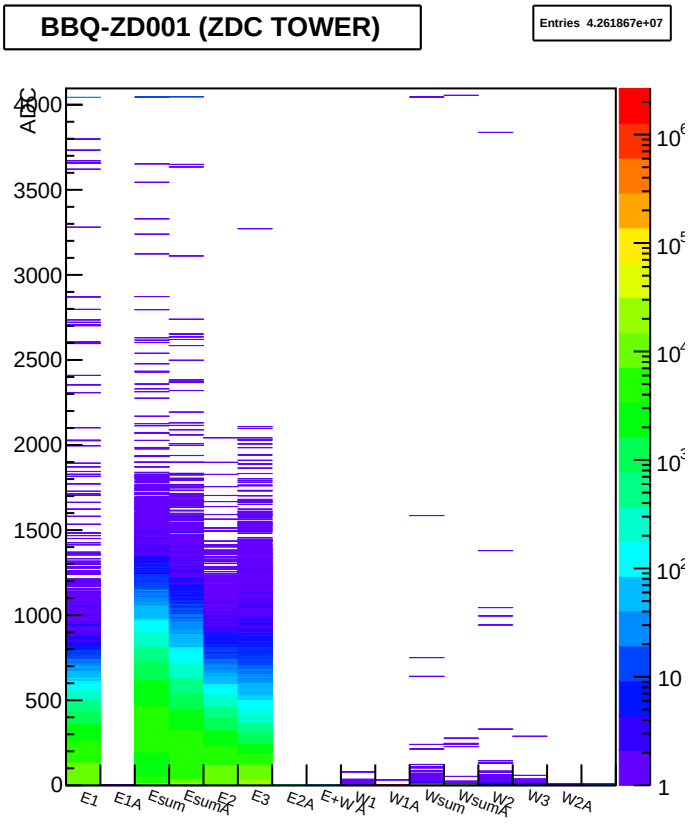

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

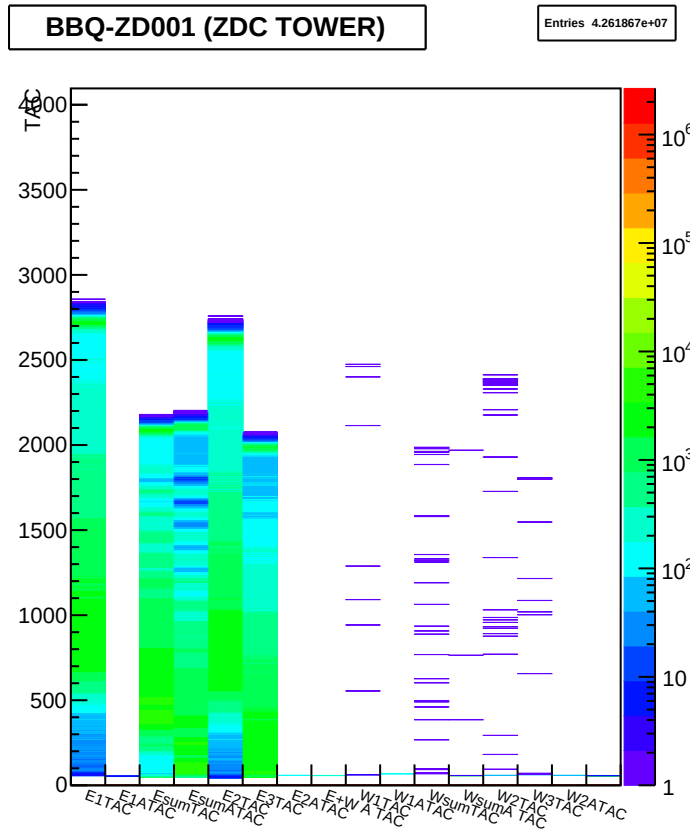

BBQ-BB001 (BBC east small tiles ADC)
Entries 4.261867e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

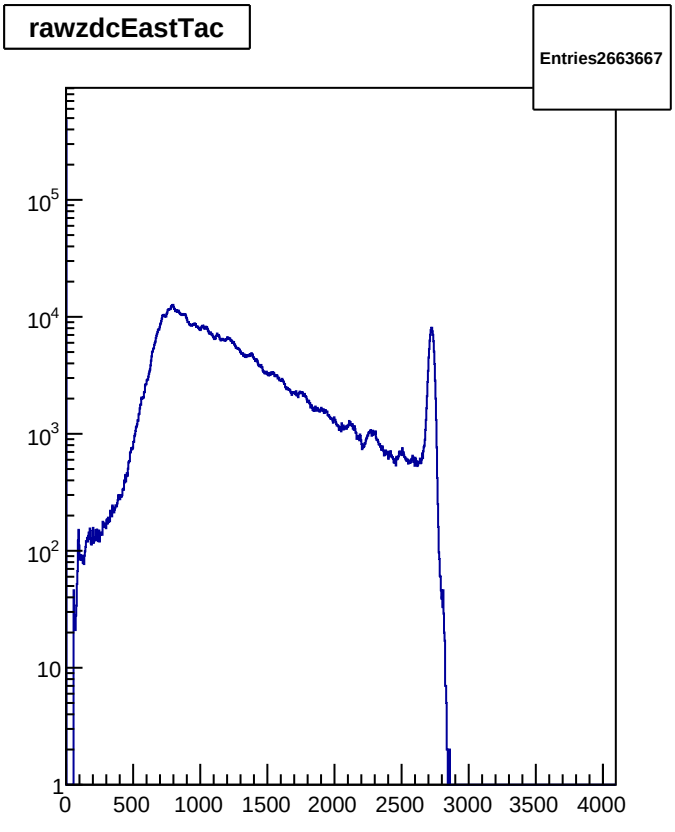

BBQ-BB001 (BBC east small tiles TAC)
Entries 4.261867e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

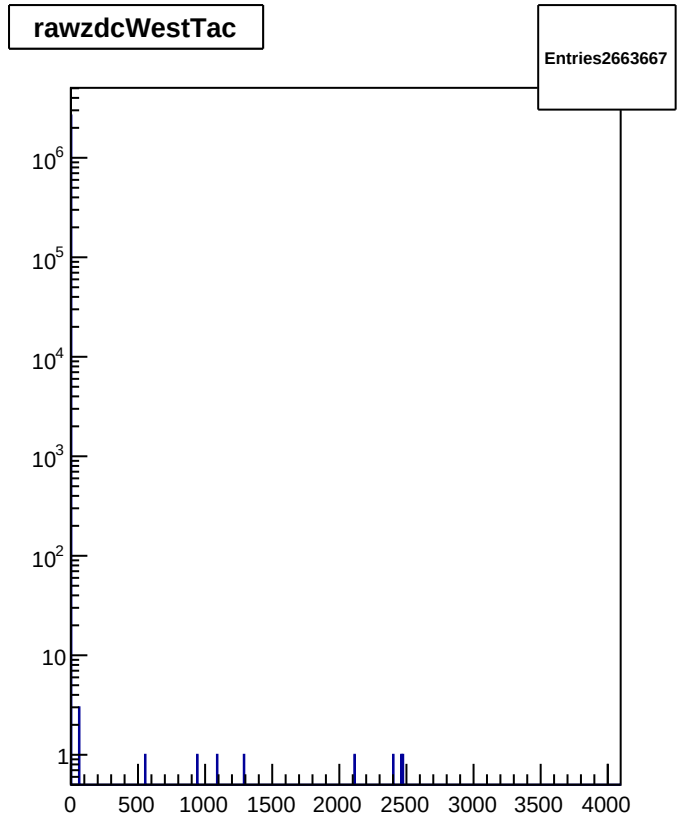

BBQ-BB002 (BBC west small tiles ADC)
Entries 4.261867e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

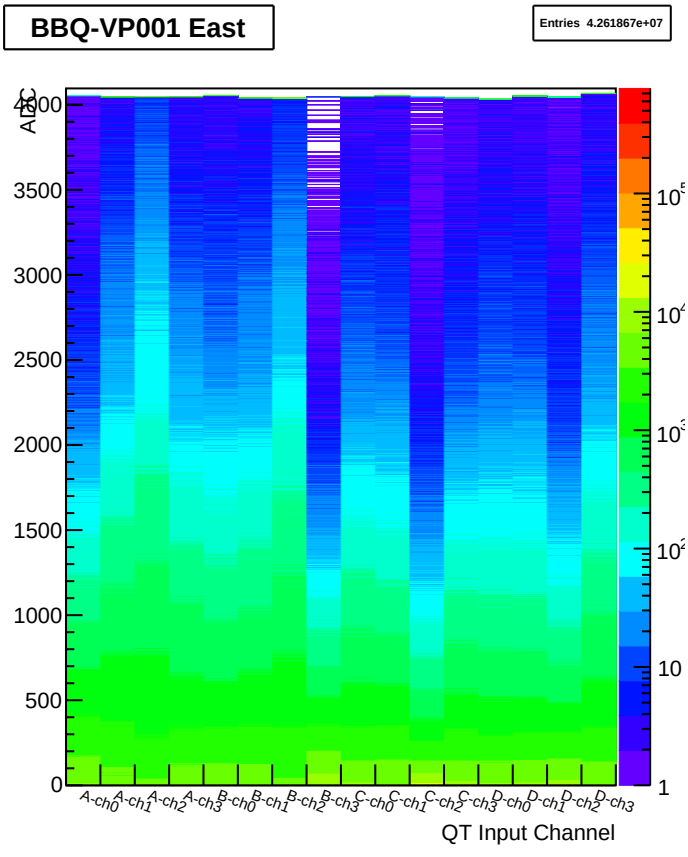

BBQ-BB002 (BBC west small tiles TAC)
Entries 4.261867e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

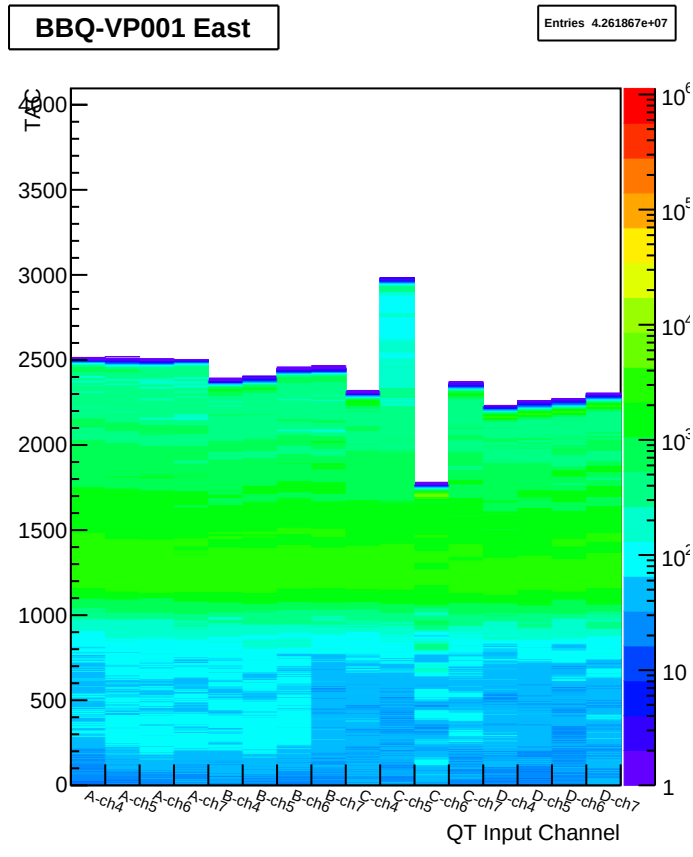

BBQ-ZD001 (ZDC TOWER)
Entries 4.261867e+07
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W A
W1
W1A
Wsum
WsumA
W2
W3
W2A

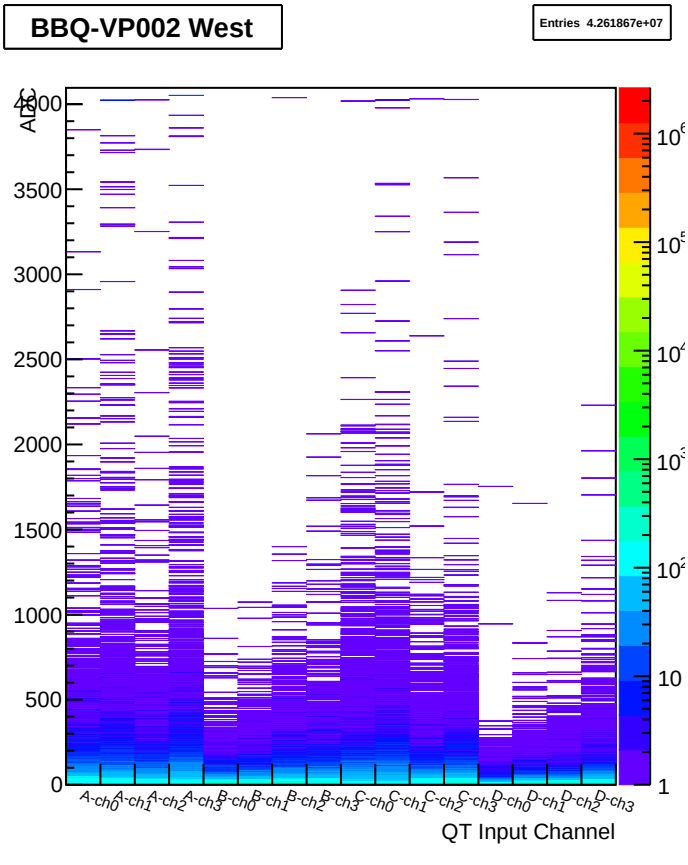

BBQ-ZD001 (ZDC TOWER)
Entries 4.261867e+07
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

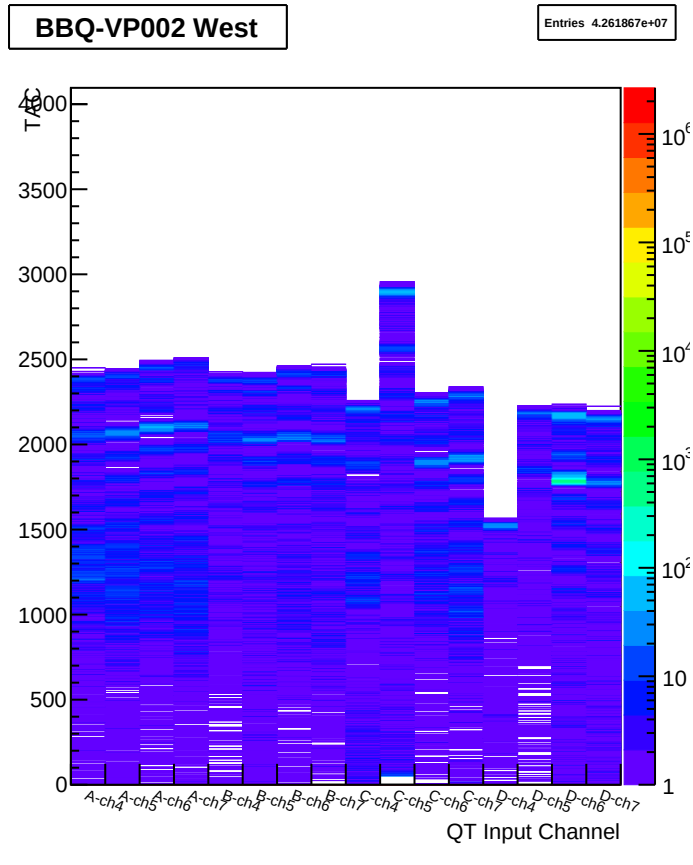

rawzdcEastTac
Entries2663667

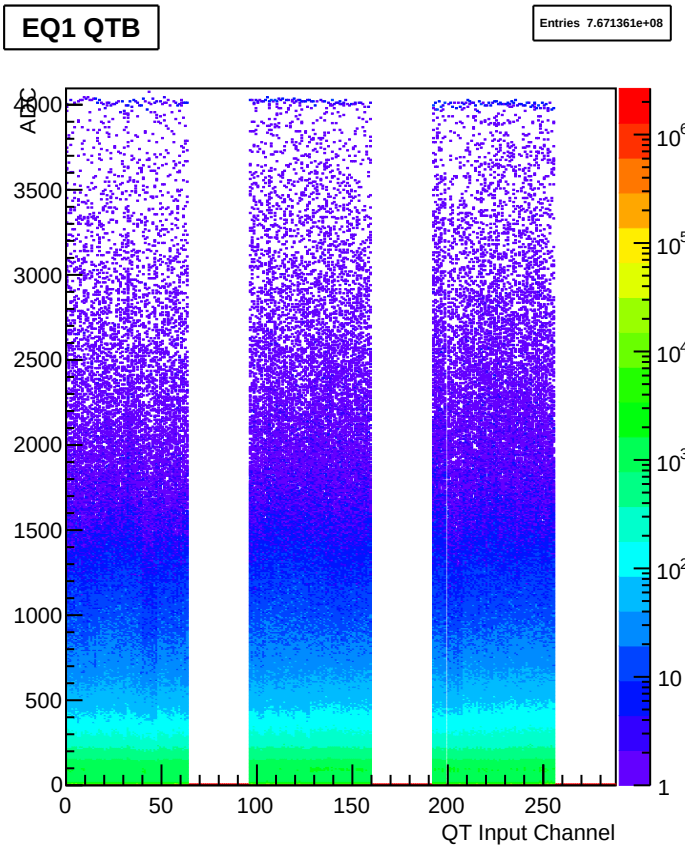

rawzdcWestTac
Entries2663667

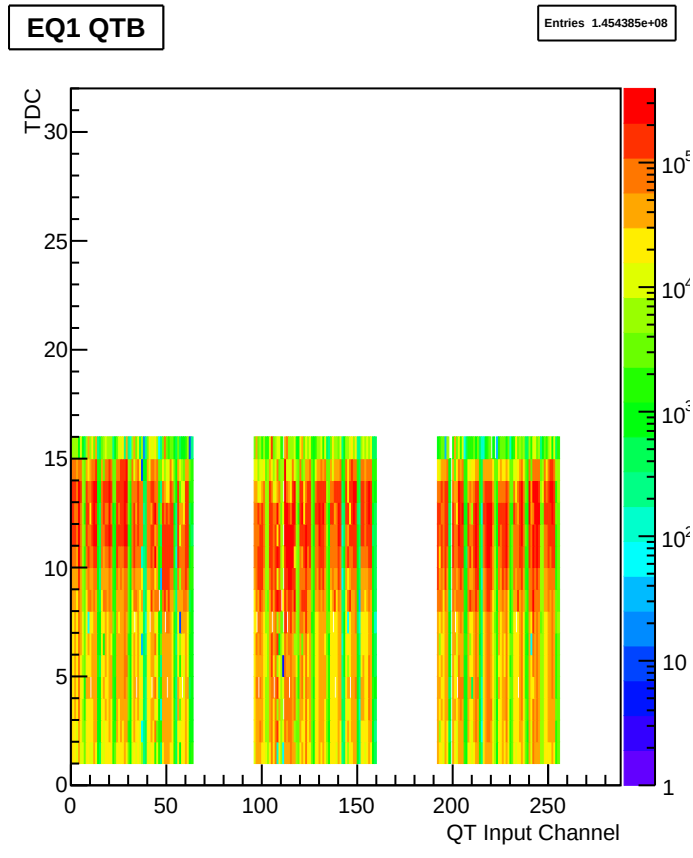

BBQ-VP001 East
Entries 4.261867e+07
ADC
QT Input Channel

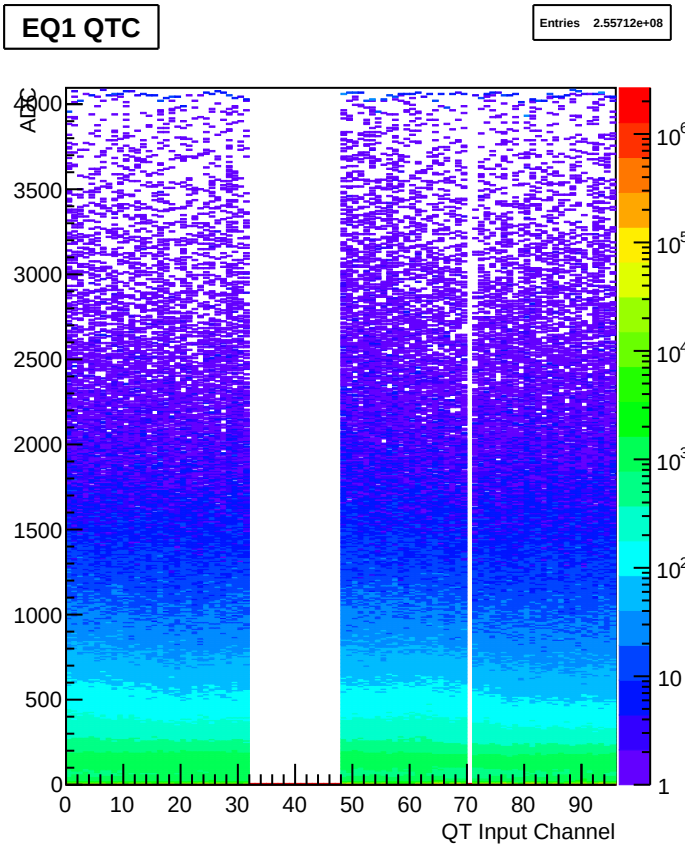

BBQ-VP001 East
Entries 4.261867e+07
TADC
QT Input Channel

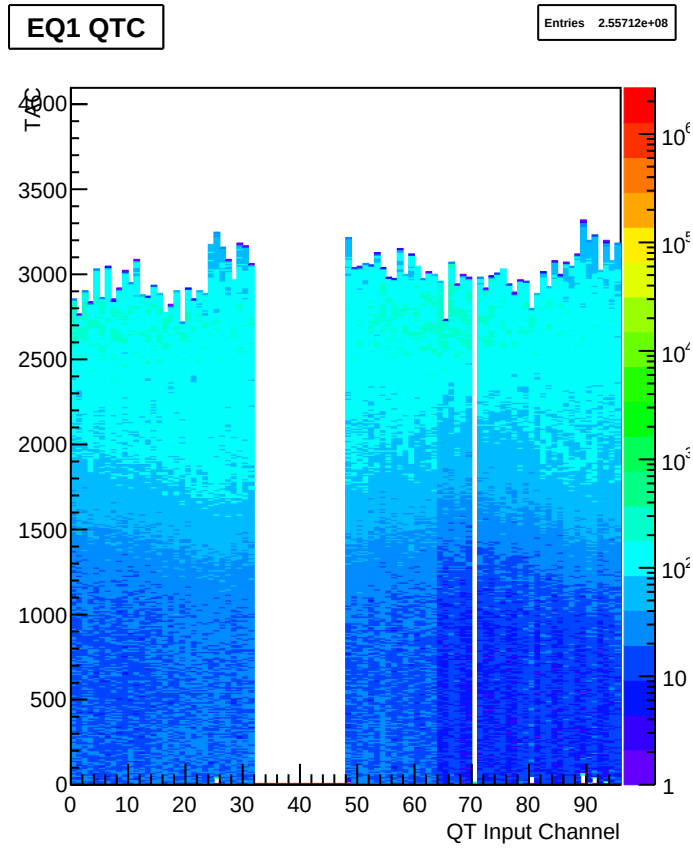

BBQ-VP002 West
Entries 4.261867e+07
ADC
QT Input Channel

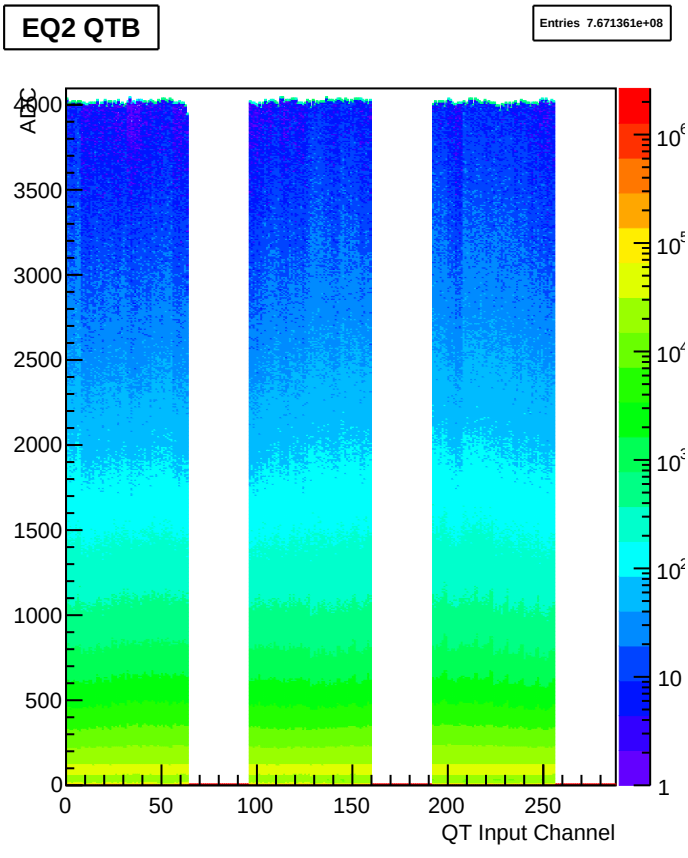

BBQ-VP002 West
Entries 4.261867e+07
TADC
QT Input Channel

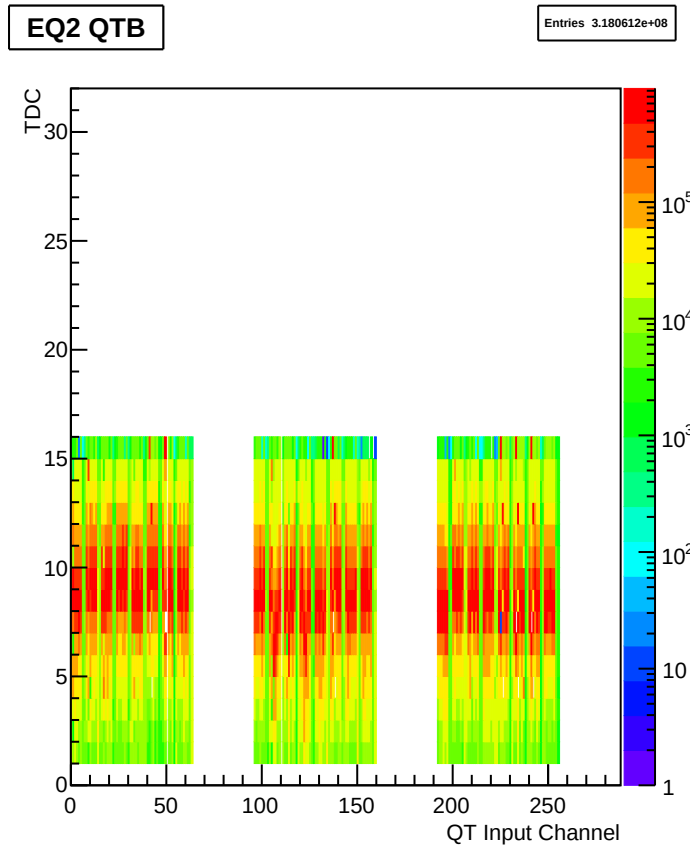

EQ1 QTB
Entries 7.671361e+08
ADC
QT Input Channel

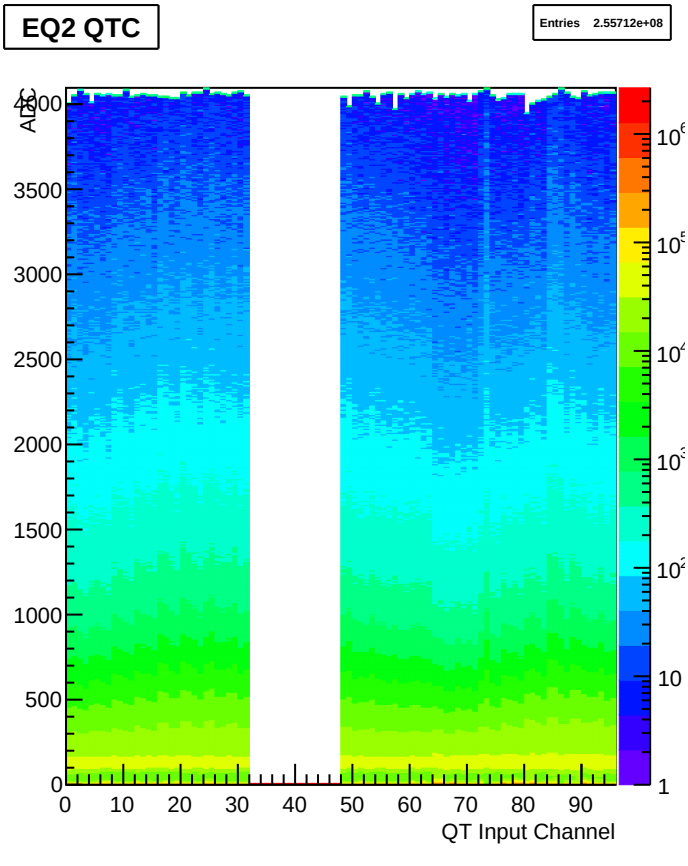

EQ1 QTB
Entries 1.454385e+08
TDC
QT Input Channel

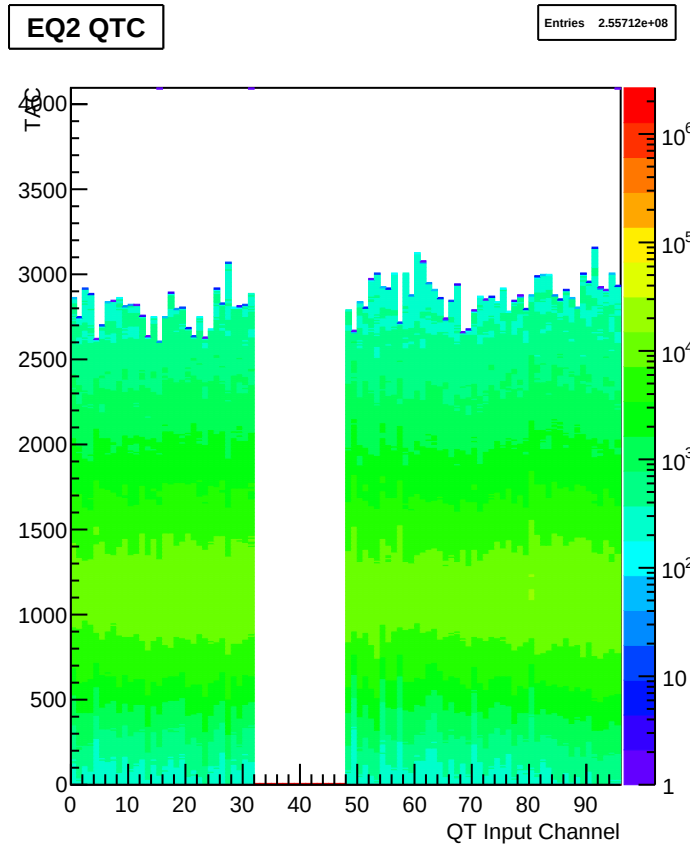

EQ1 QTC
Entries 2.55712e+08
ADC
QT Input Channel

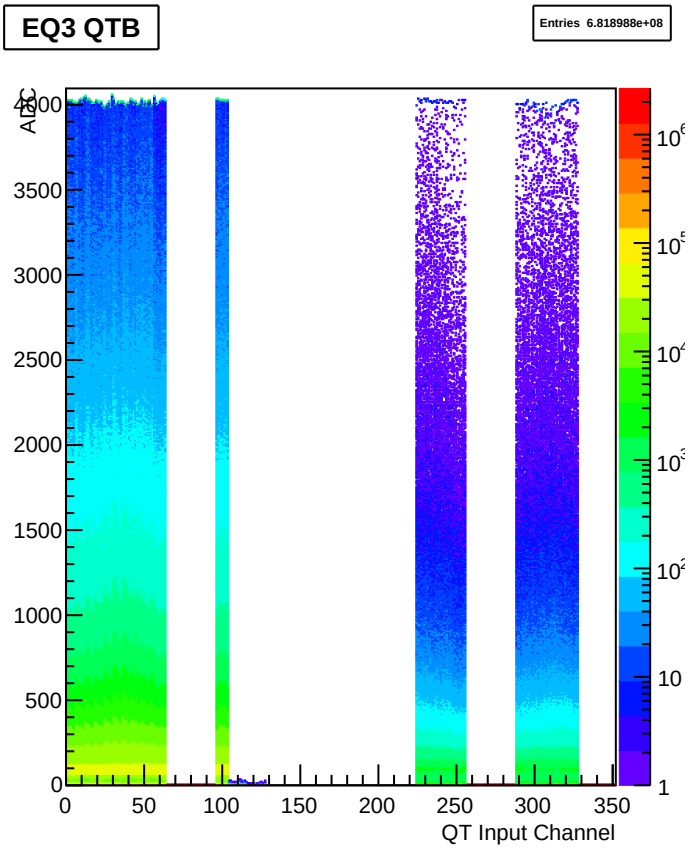

EQ1 QTC
Entries 2.55712e+08
TADC
QT Input Channel

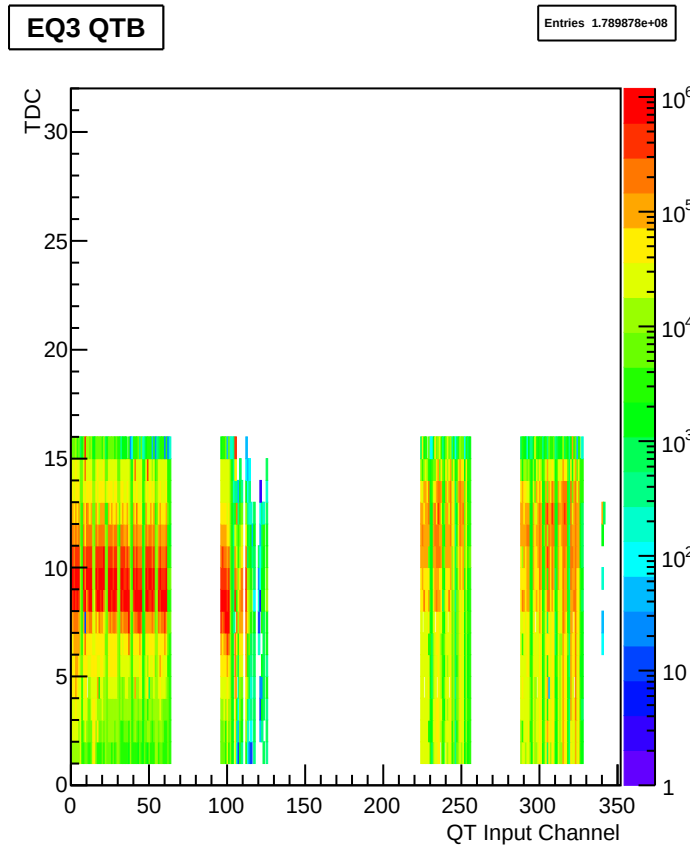

EQ2 QTB
Entries 7.671361e+08
ADC
QT Input Channel

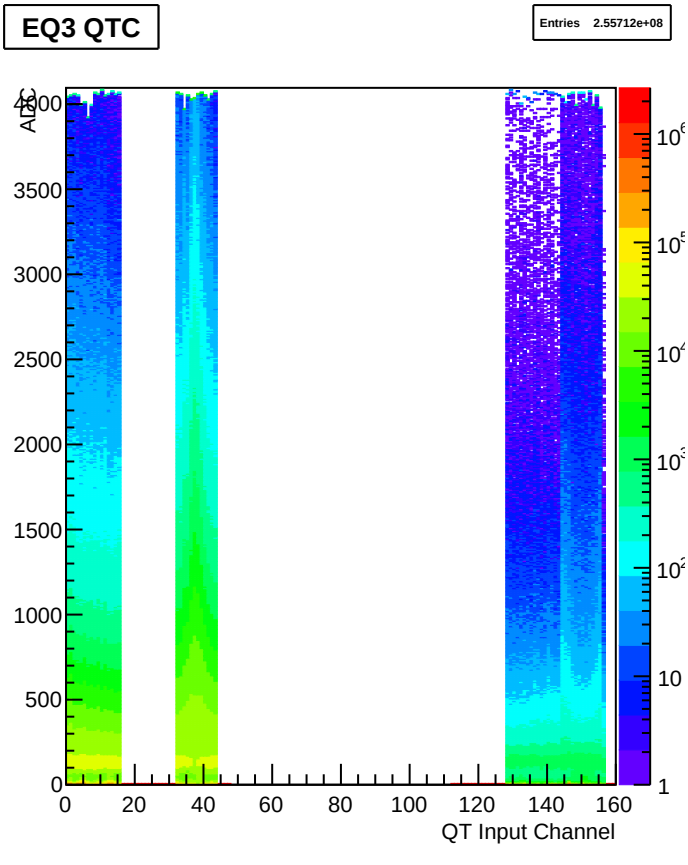

EQ2 QTB
Entries 3.180612e+08
TDC
QT Input Channel

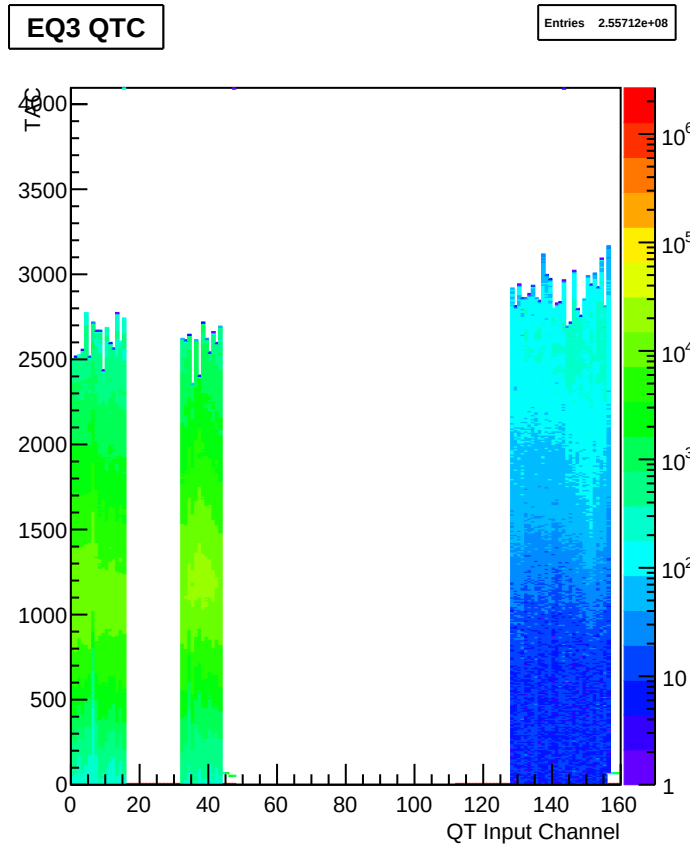

EQ2 QTC
Entries 2.55712e+08
ADC
QT Input Channel

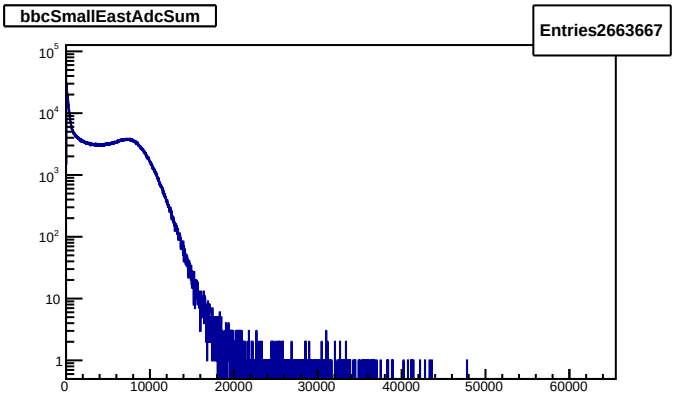

EQ2 QTC
Entries 2.55712e+08
TADC
QT Input Channel

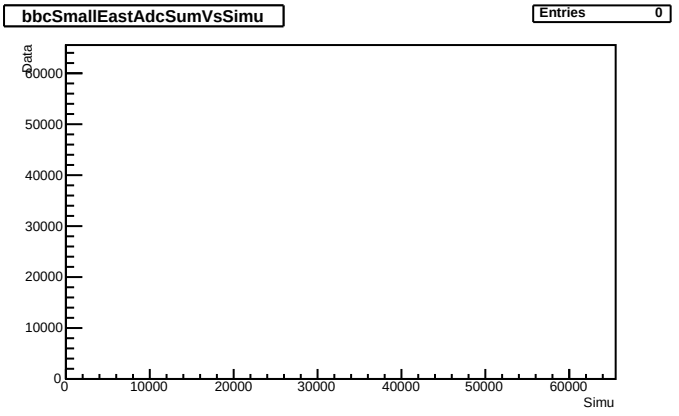

EQ3 QTB
Entries 6.818988e+08
ADC
QT Input Channel

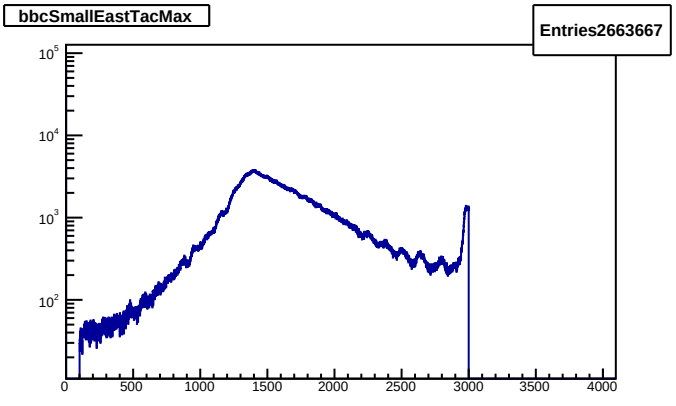

EQ3 QTB
Entries 1.789878e+08
TDC
QT Input Channel


EQ3 QTC
Entries 2.55712e+08
ADC
QT Input Channel


EQ3 QTC
Entries 2.55712e+08
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries2663667


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu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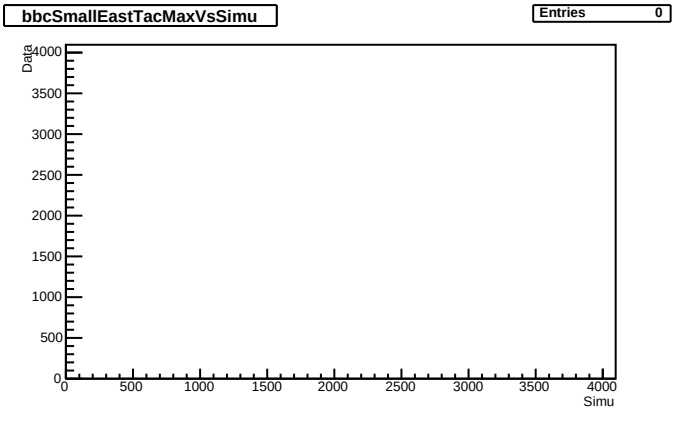
Entries2663667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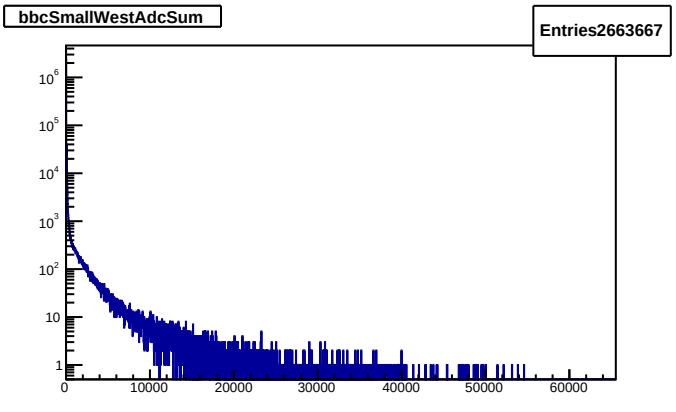
Data
Simu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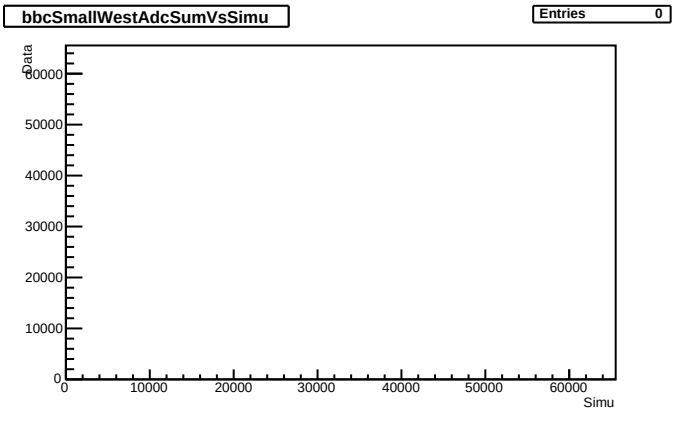
Entries2663667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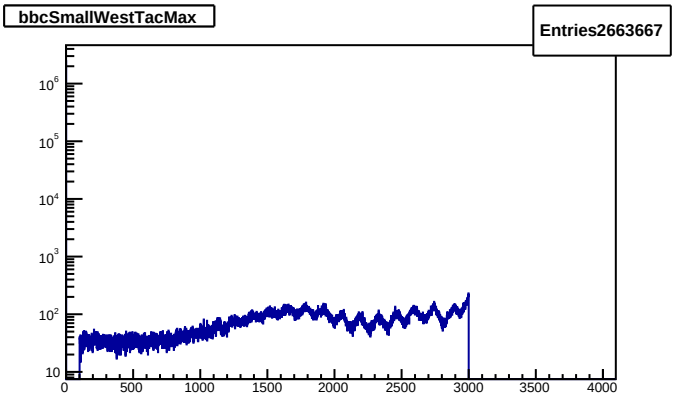
Entries 0
Data
Simu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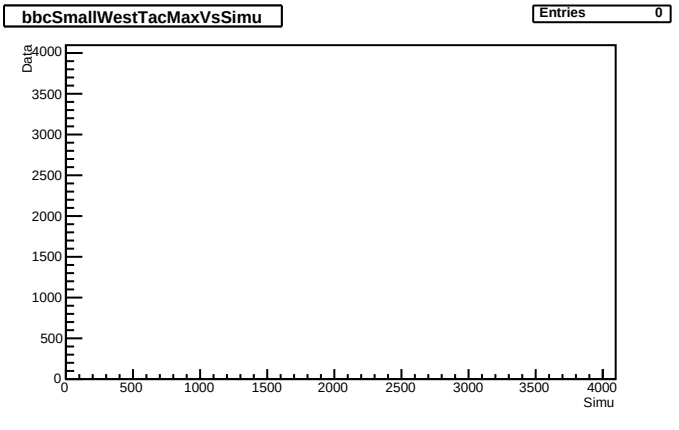
Entries2663667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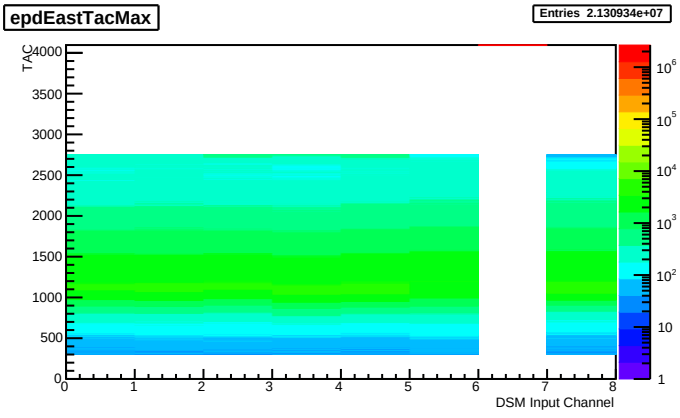
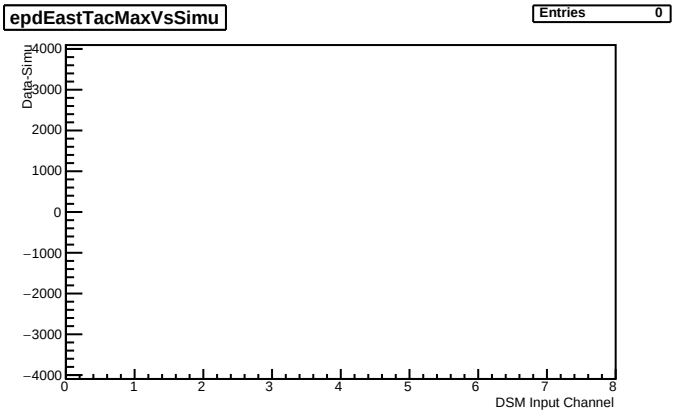
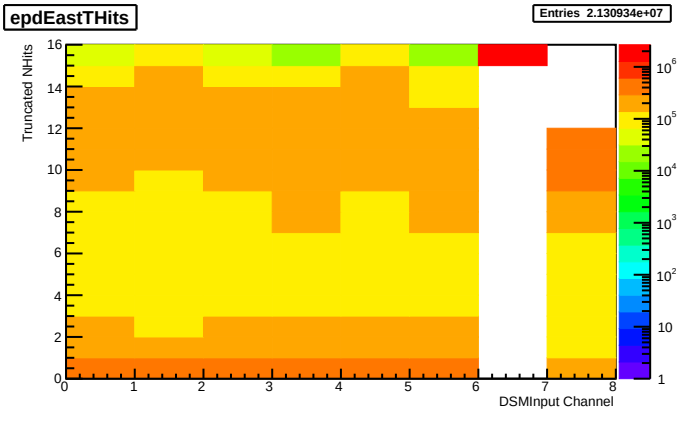
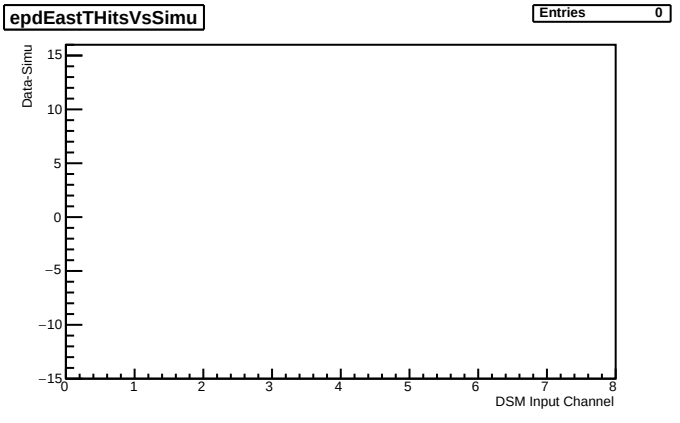
Entries 0
Data
Simu


epdEastTacMax
Entries 2.130934e+07
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2.130934e+07
Truncated NHits
DSMInput Channel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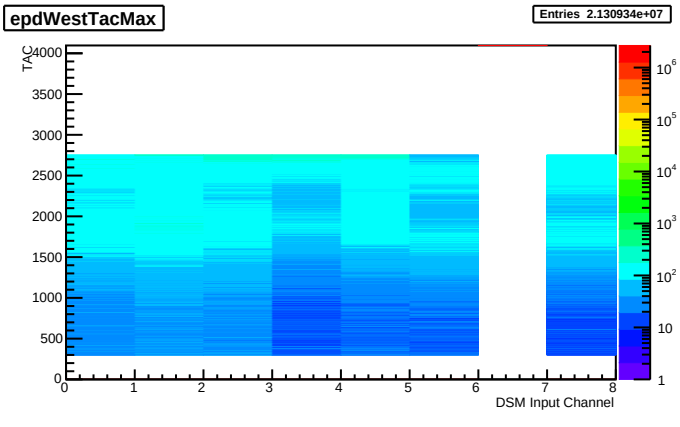
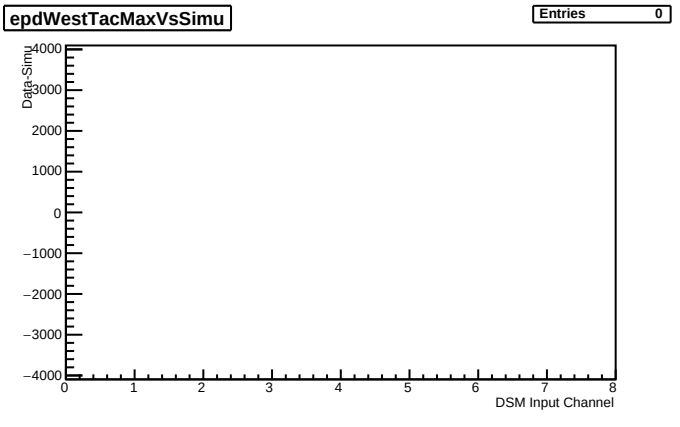
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 2.130934e+07
TAC
DSM Input Channel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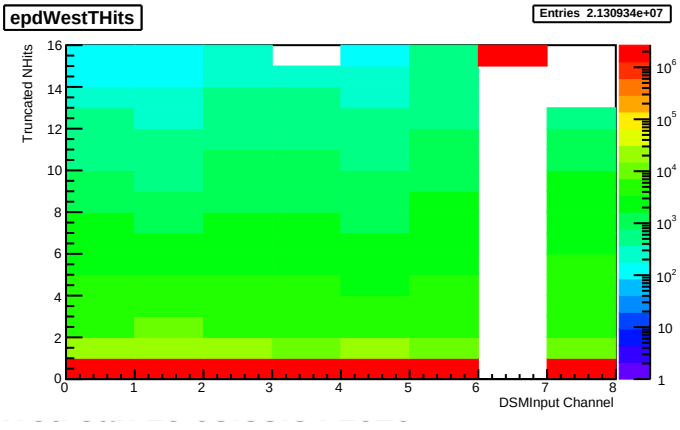
Entries 0
Data-Simu
DSM Input Channel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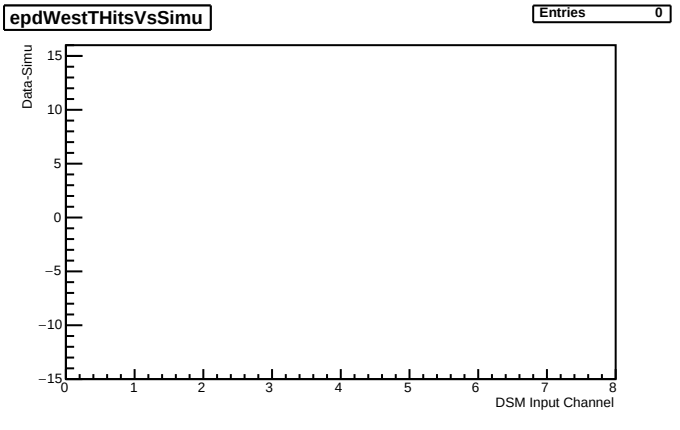
Truncated NHits
DSMInput Channel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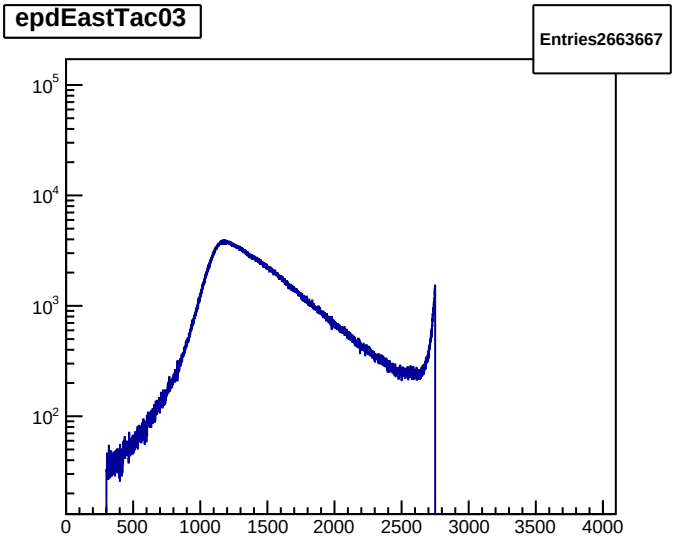
Data-Simu
DSM Input Channel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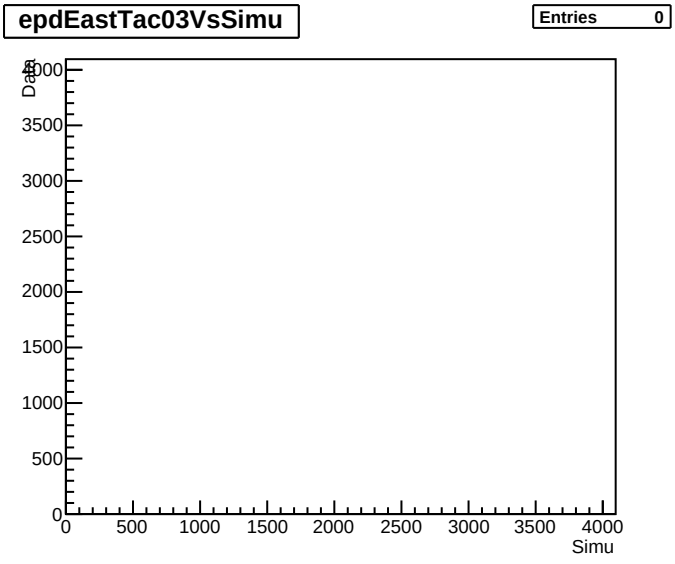
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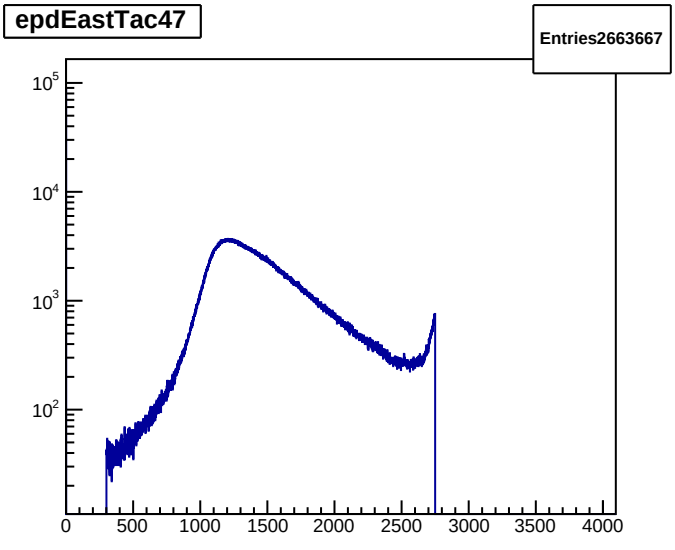
Entries 0
Data
Simu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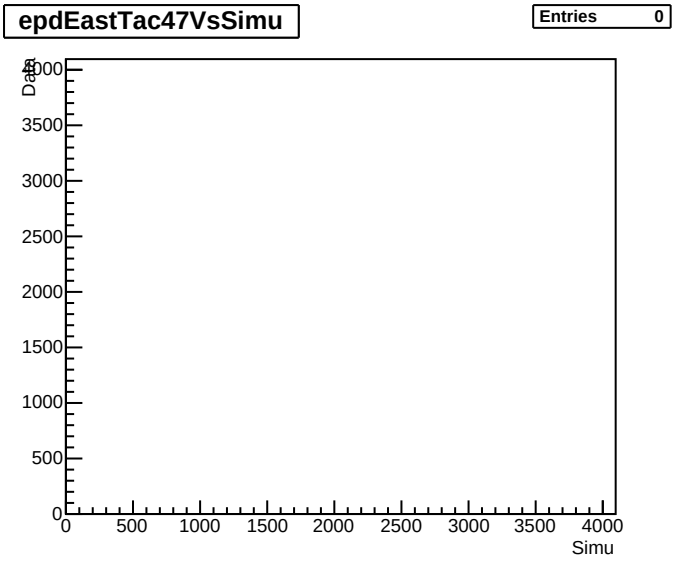
Entries2663667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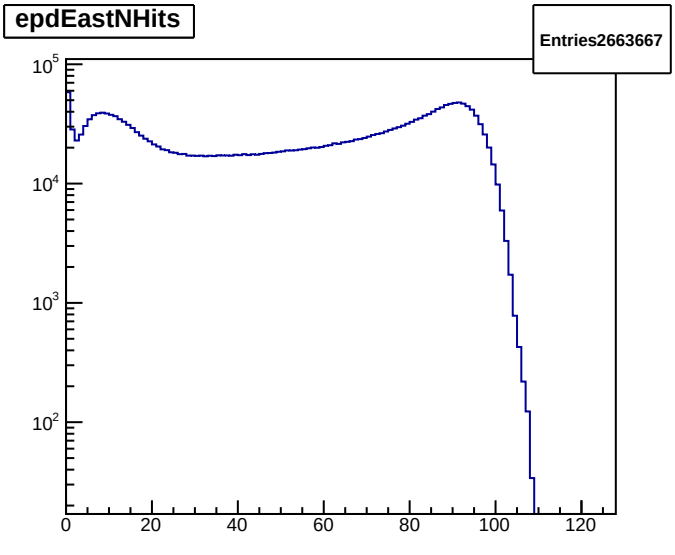
Entries 0
Data
Simu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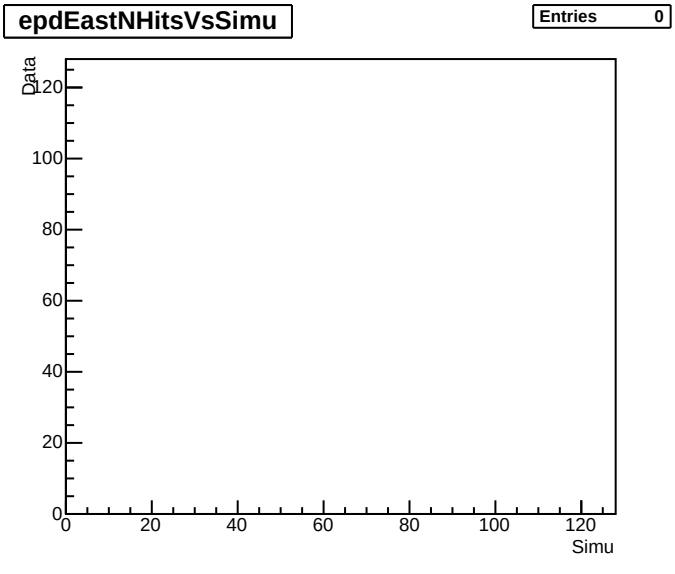
Entries2663667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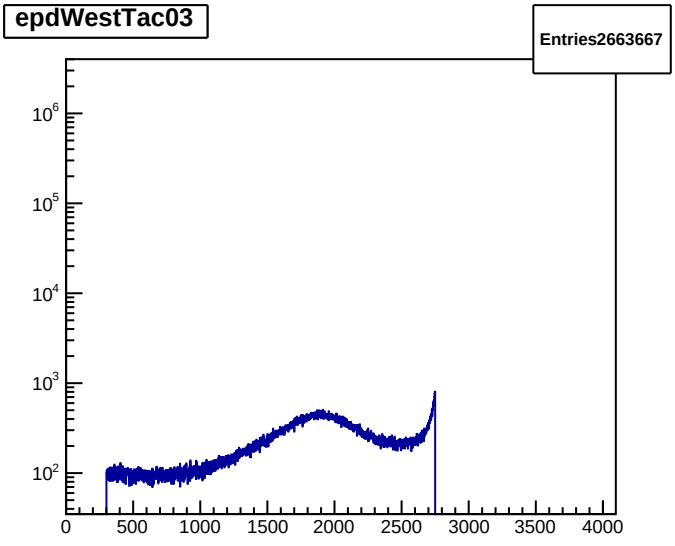
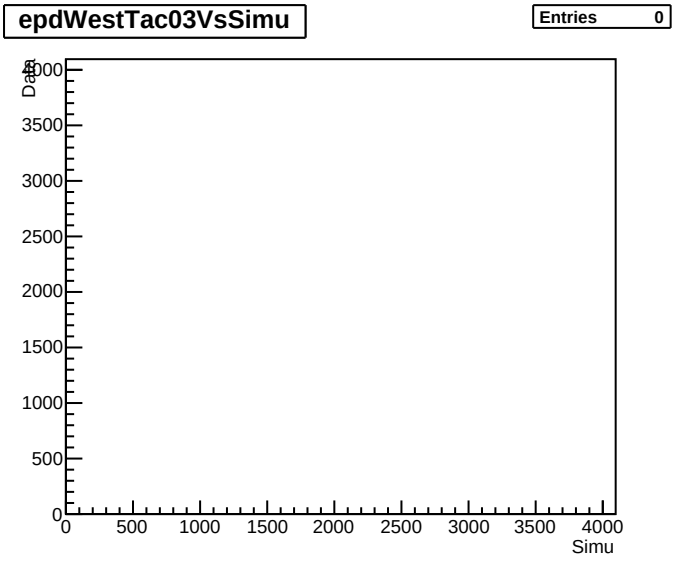
Entries 0
Data
Simu


epdWestTac03
Entries2663667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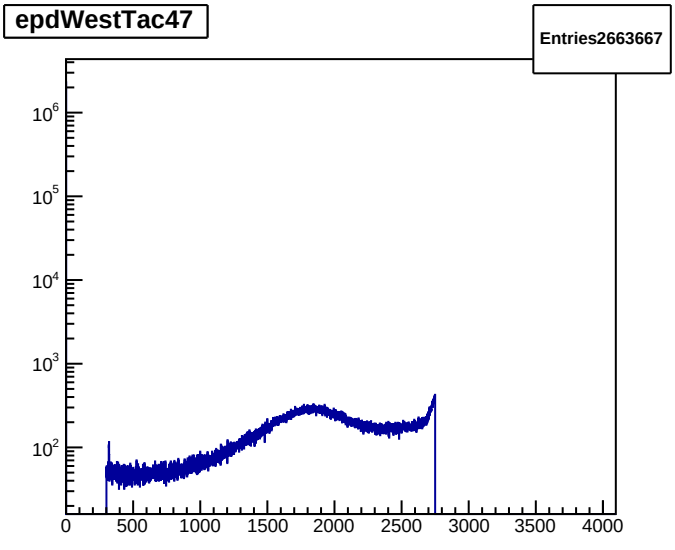
Entries 0
Data
Simu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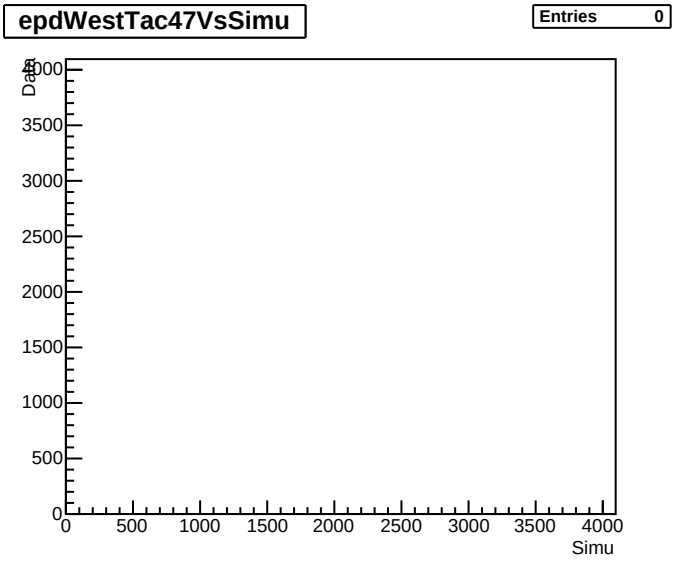
Entries2663667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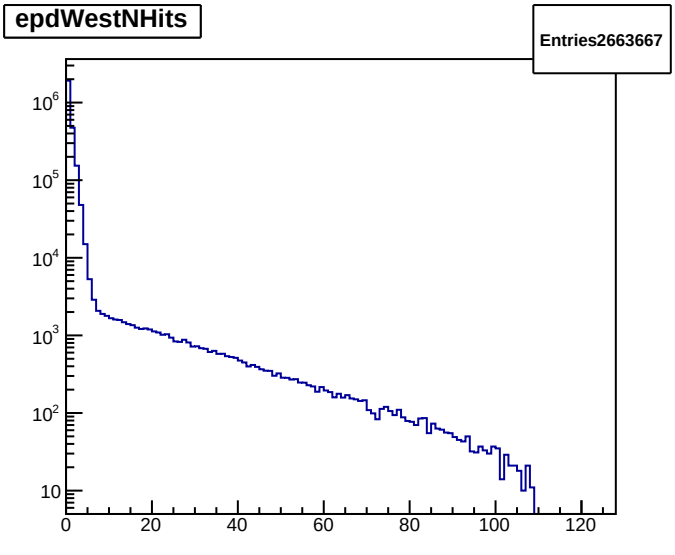
Entries 0
Data
Simu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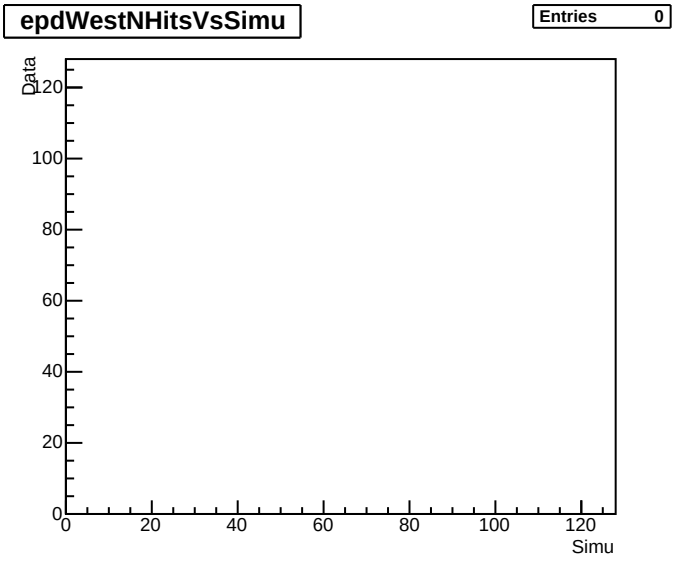
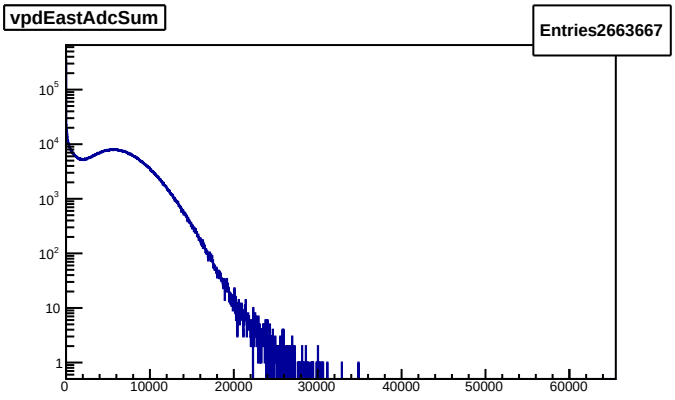
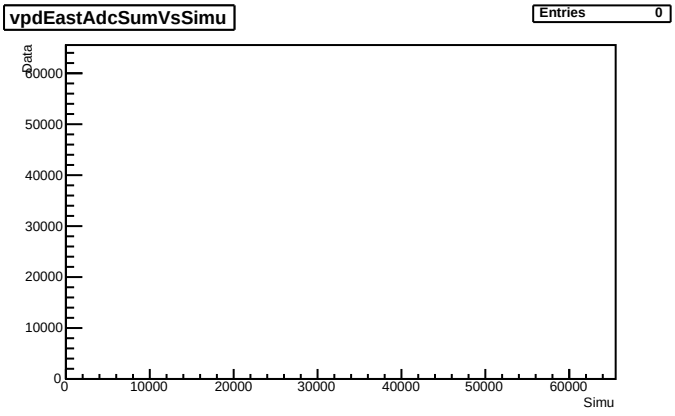
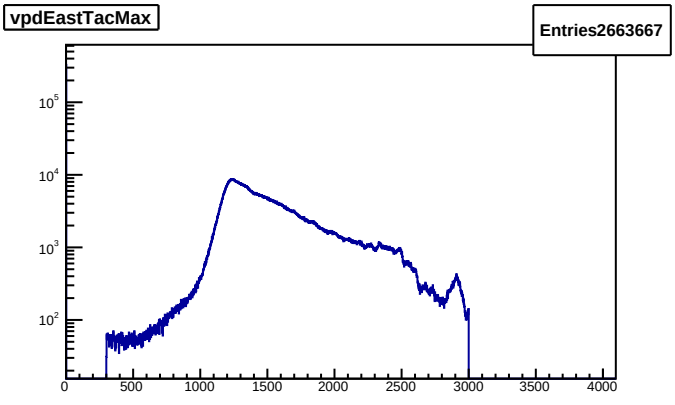
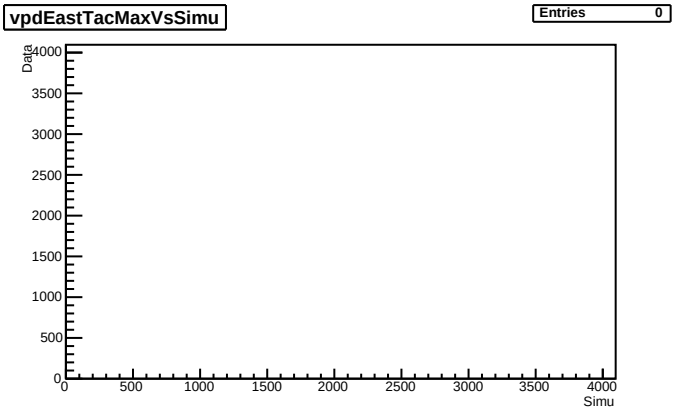
Entries2663667

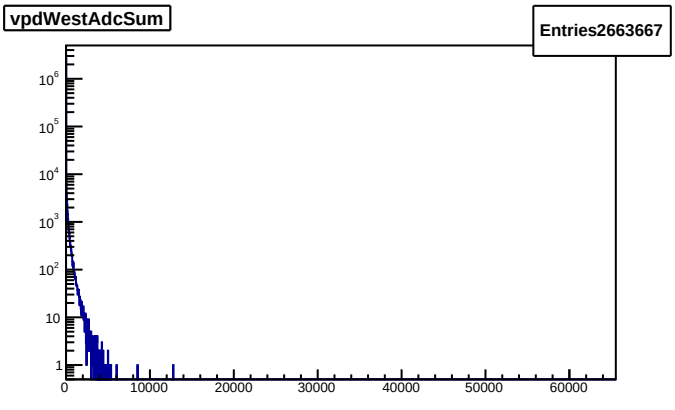

epdWestNHitsVsSimu
Entries 0
Data
Simu

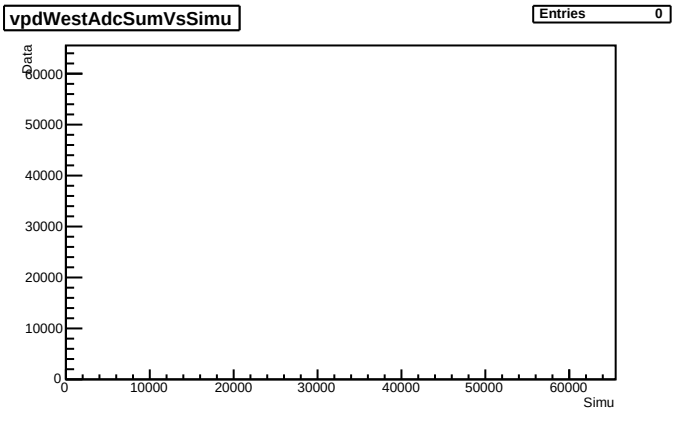

vpdEastAdcSum
Entries2663667

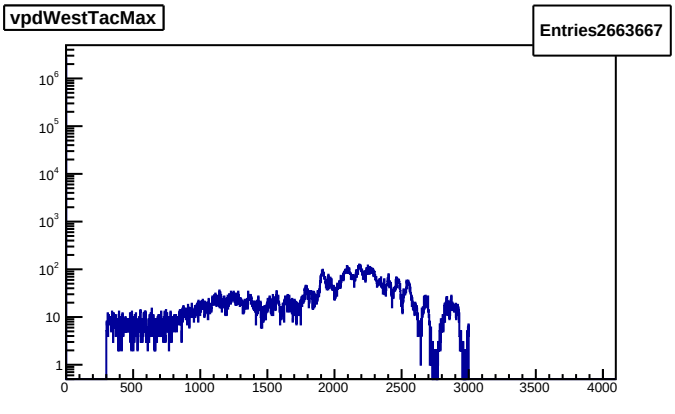

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

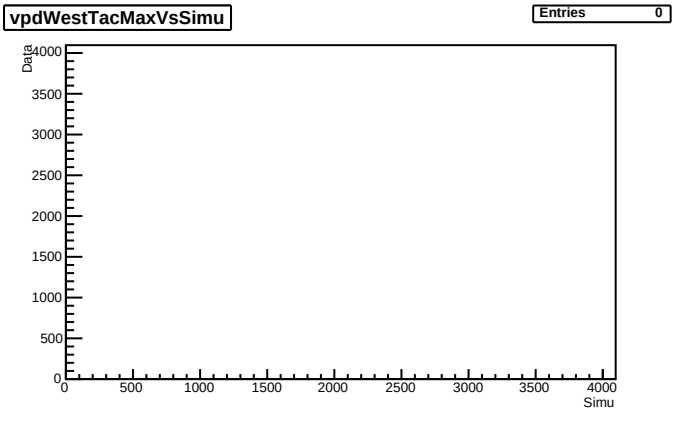

vpdEastTacMax
Entries2663667

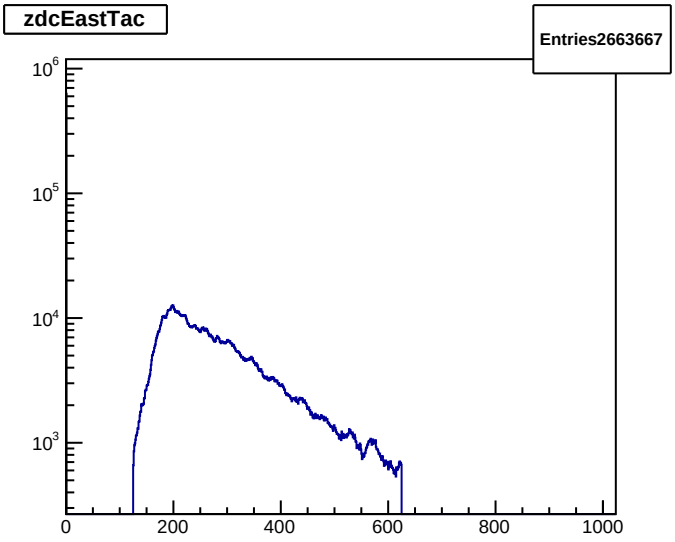

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

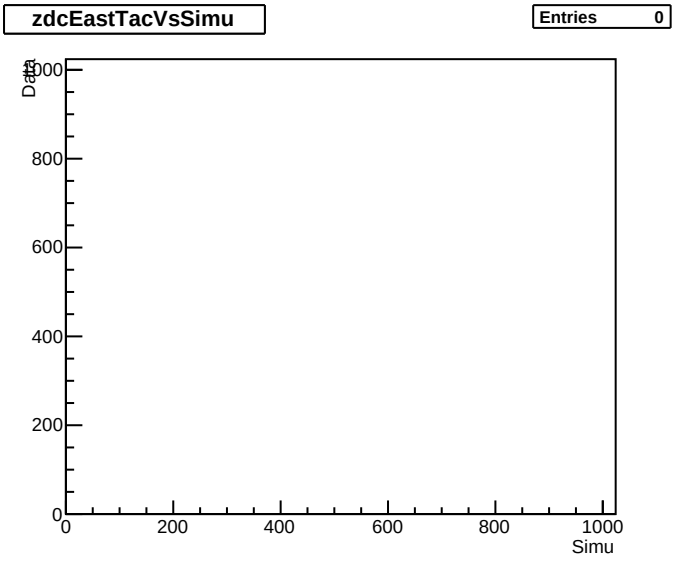

vpdWestAdcSum
Entries2663667

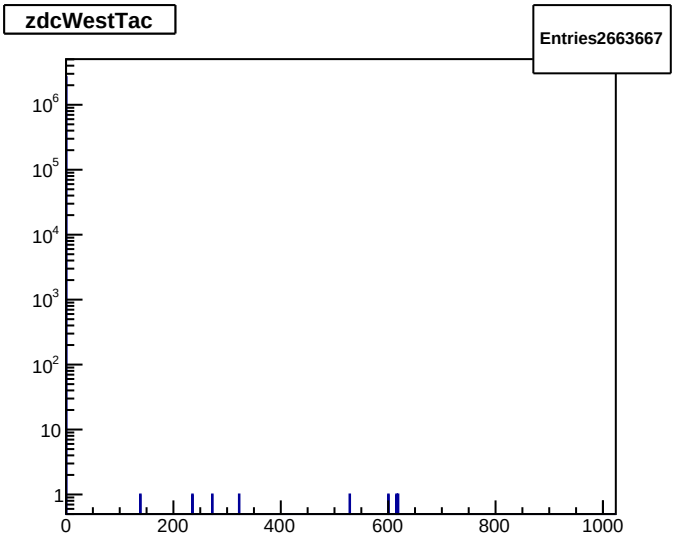

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

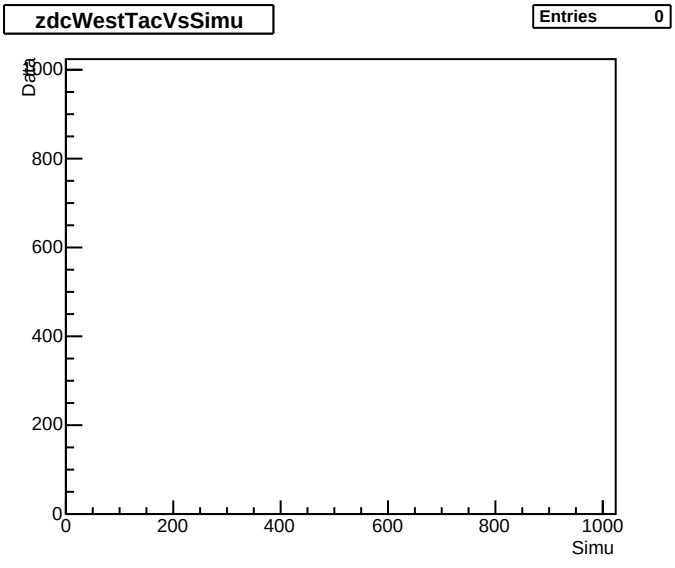

vpdWestTacMax
Entries2663667

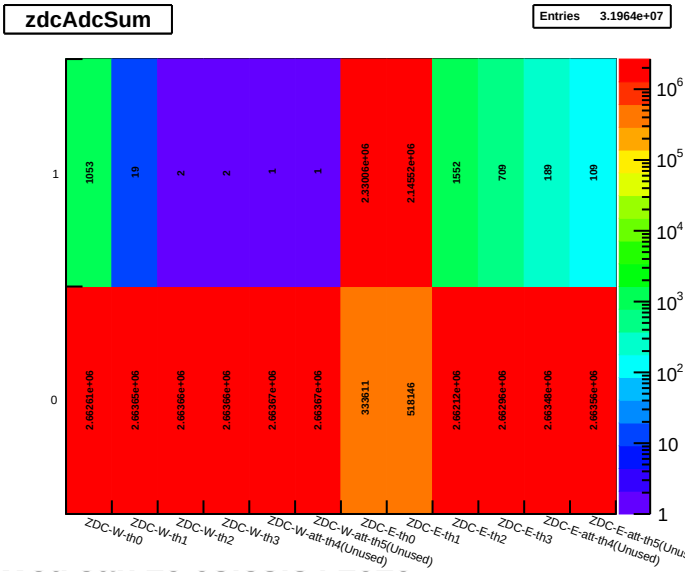

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

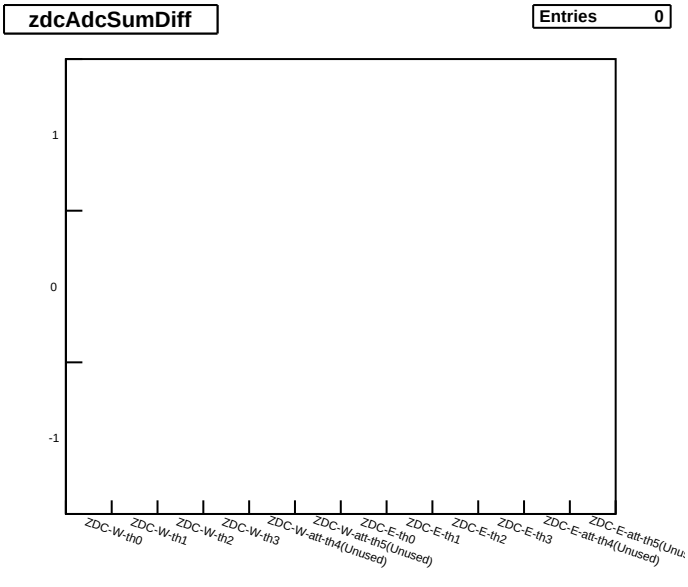

zdcEastTac
Entries2663667
10^6
10^5
10^4
10^3
0
200
400
600
800
1000

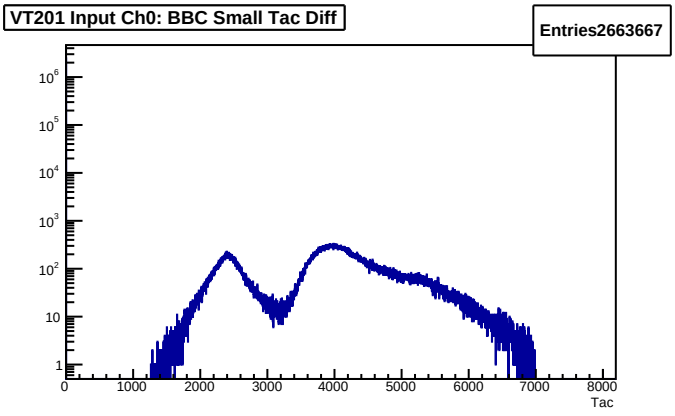

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

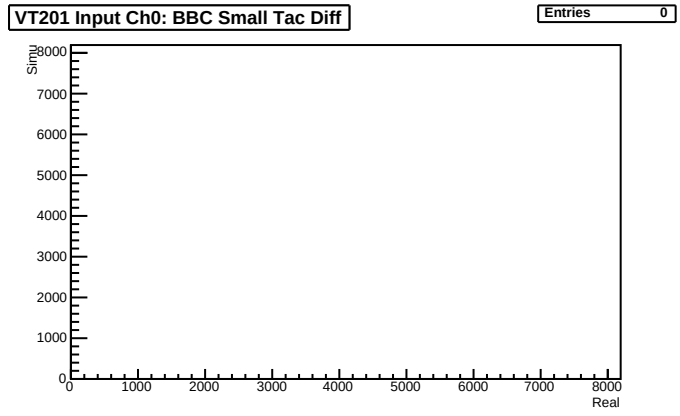

zdcWestTac
Entries2663667
10^6
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

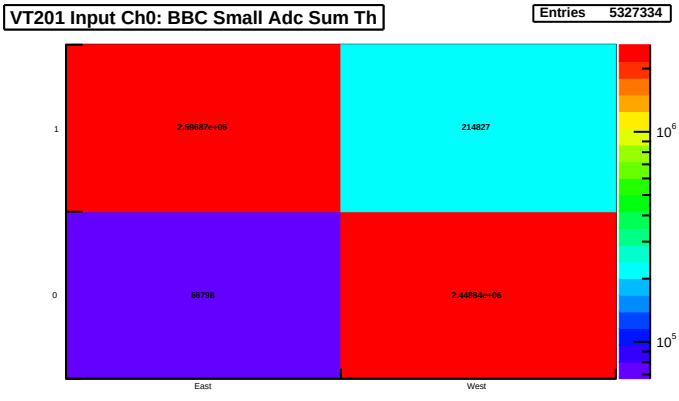

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

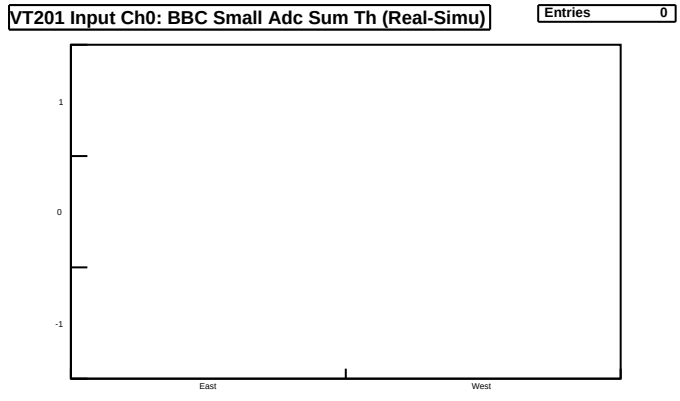

zdcAdcSum
Entries 3.1964e+07
1
0
1053
19
2
2
1
1
2.33006e+06
2.14552e+06
1552
709
189
109
2.66261e+06
2.66365e+06
2.66366e+06
2.66366e+06
2.66367e+06
2.66367e+06
333611
518146
2.66212e+06
2.66236e+06
2.66348e+06
2.66356e+06
10^6
10^5
10^4
10^3
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

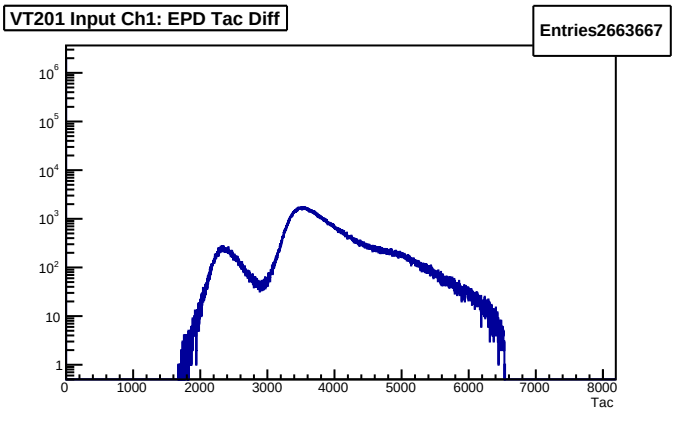

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

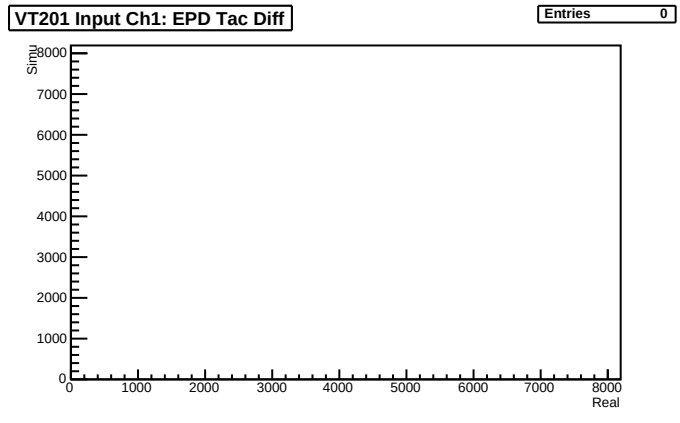

VT201 Input Ch0: BBC Small Tac Diff
Entries2663667
Tac

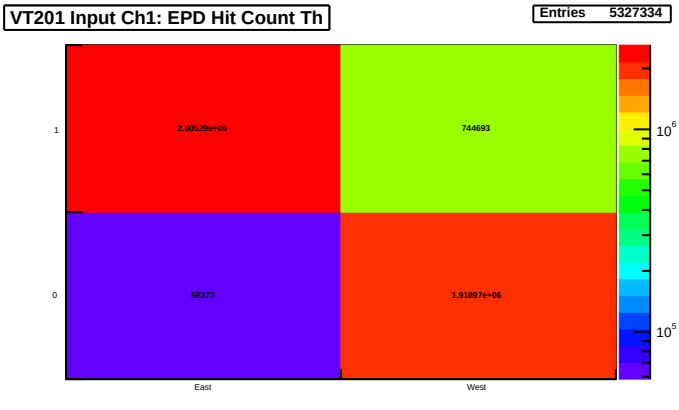

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

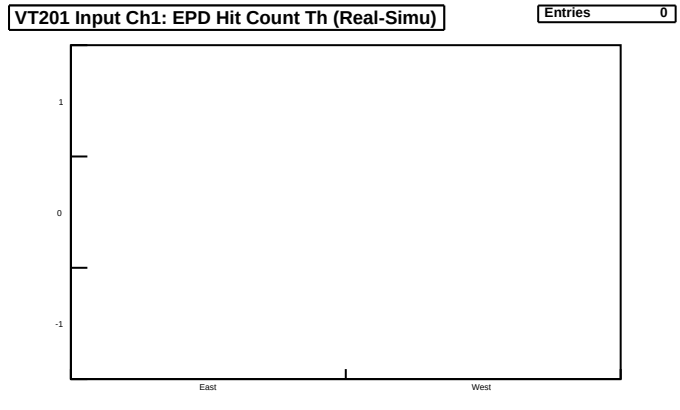

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 5327334
2.59687e+06
214827
66798
2.44884e+06
East
West

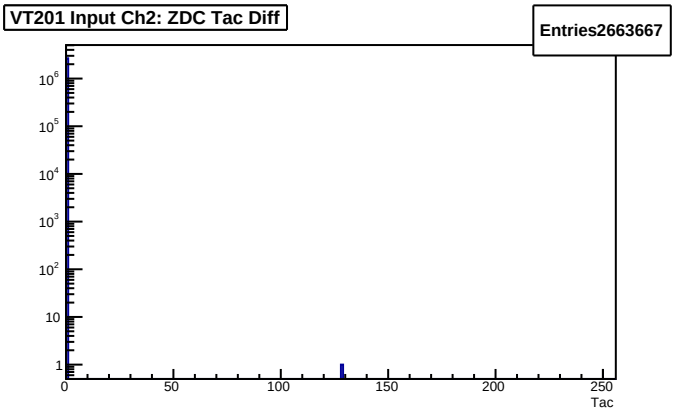

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

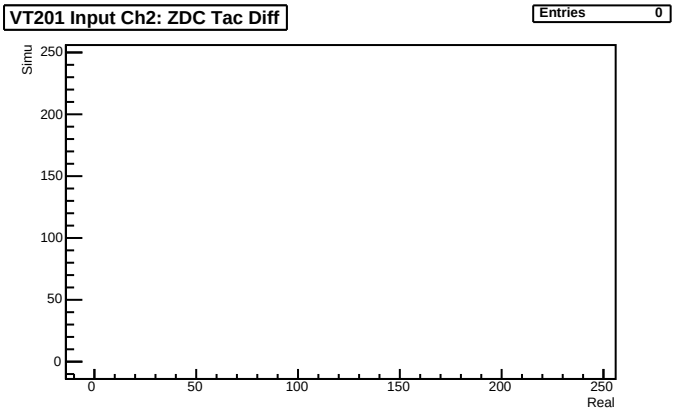

VT201 Input Ch1: EPD Tac Diff
Entries2663667
Tac

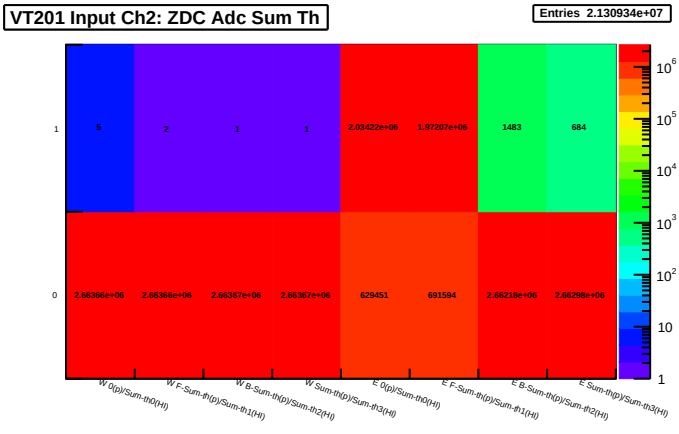

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

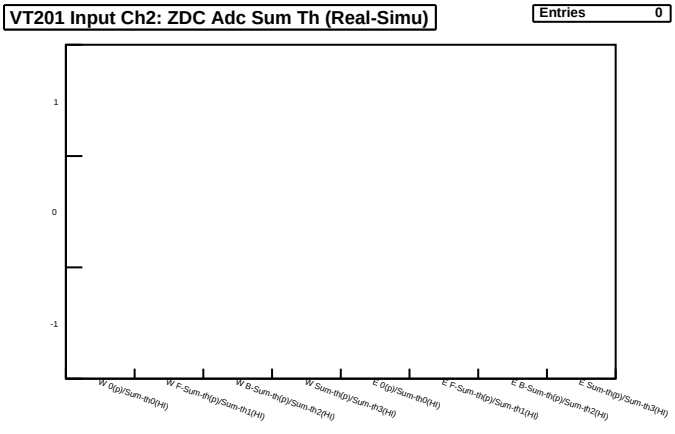

VT201 Input Ch1: EPD Hit Count Th
Entries 5327334
2.60529e+06
744693
58373
1.91897e+06
East
West

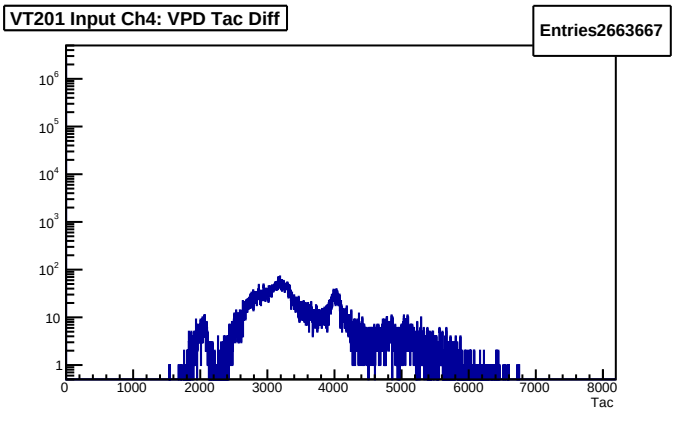

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

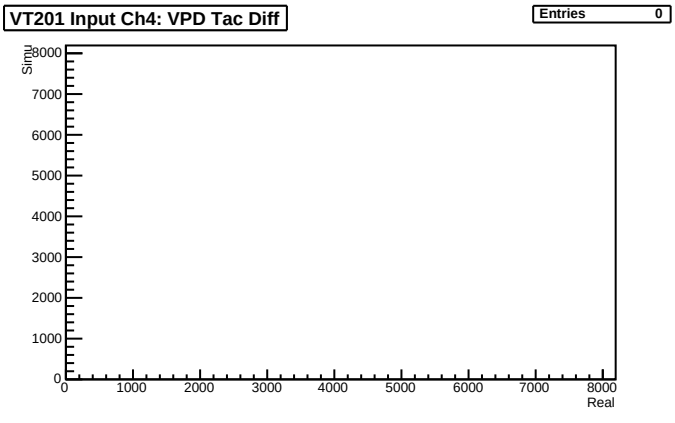

VT201 Input Ch2: ZDC Tac Diff
Entries2663667
Tac

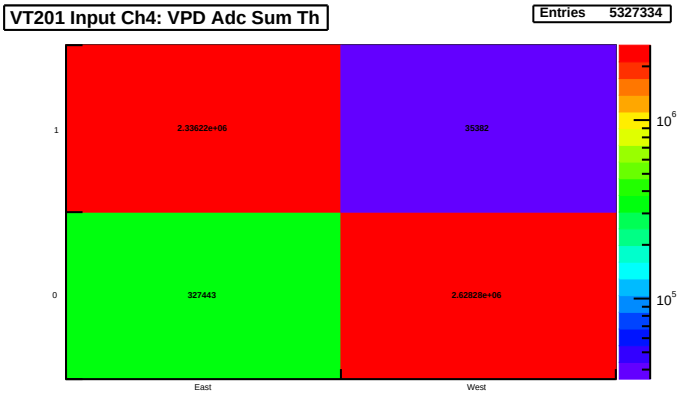

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

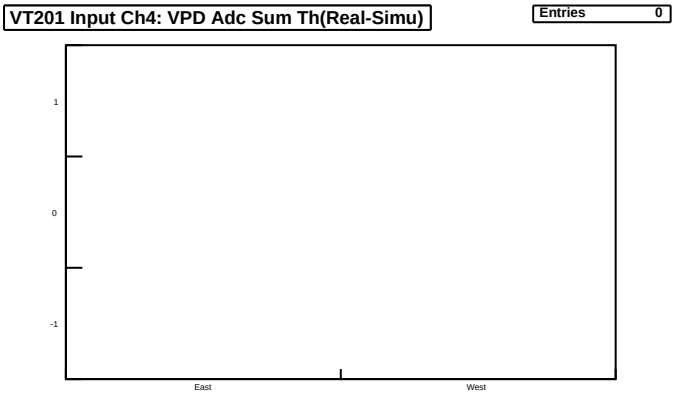

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2.130934e+07
5
2
1
1
2.03422e+06
1.97207e+06
1483
684
2.66366e+06
2.66366e+06
2.66367e+06
2.66367e+06
629451
691594
2.66218e+06
2.66298e+06
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

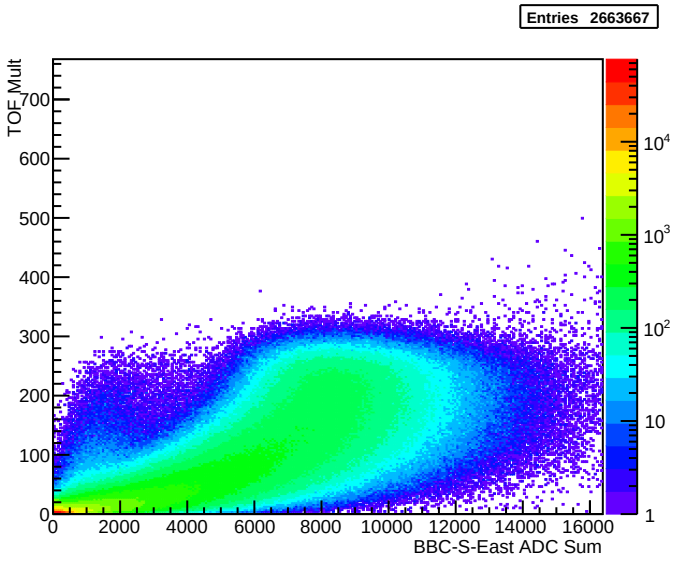

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

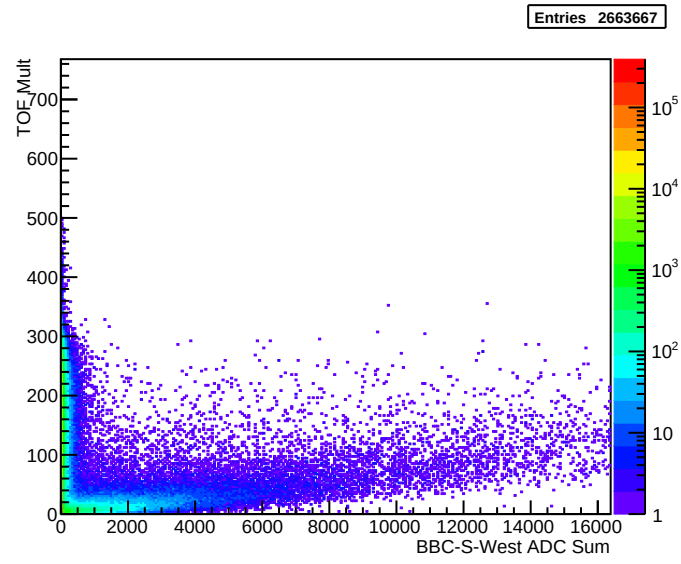

VT201 Input Ch4: VPD Tac Diff
Entries2663667
Tac

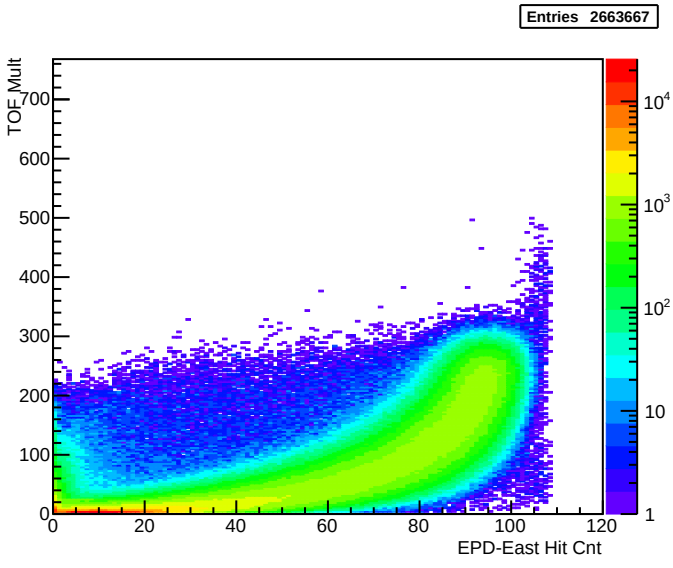

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

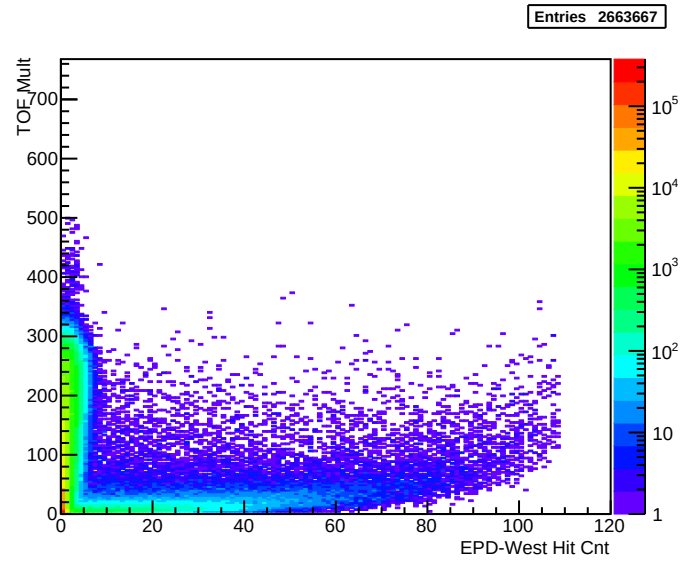

VT201 Input Ch4: VPD Adc Sum Th
Entries 5327334
2.33622e+06
35382
327443
2.62828e+06
East
West

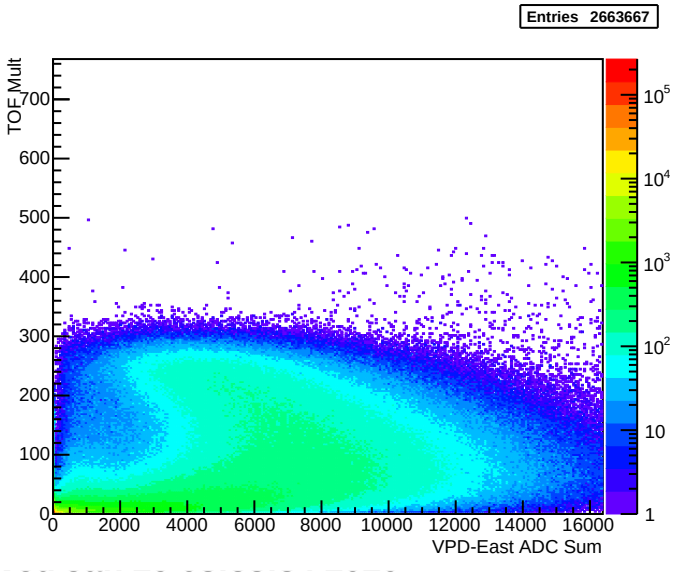

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

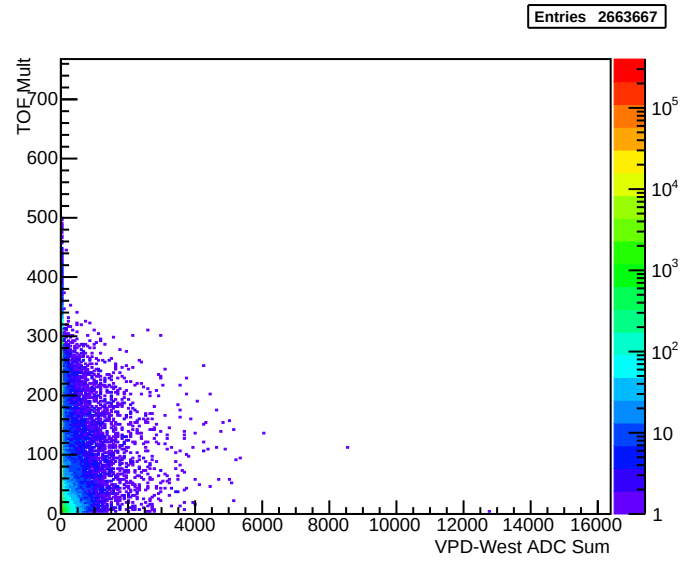

Entries 2663667
TOF_Mult
BBC-S-East ADC Sum

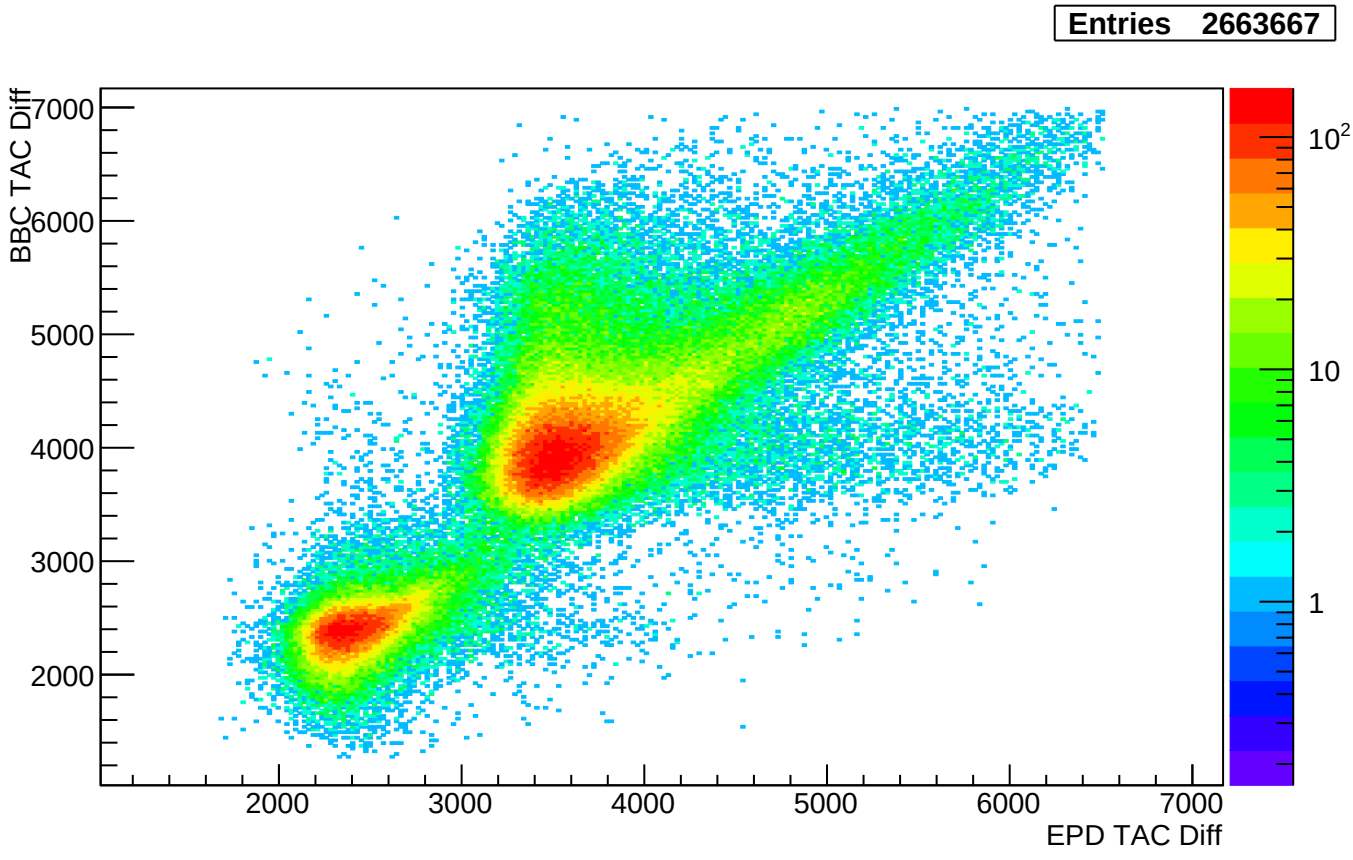

Entries 2663667
TOF_Mult
BBC-S-West ADC Sum

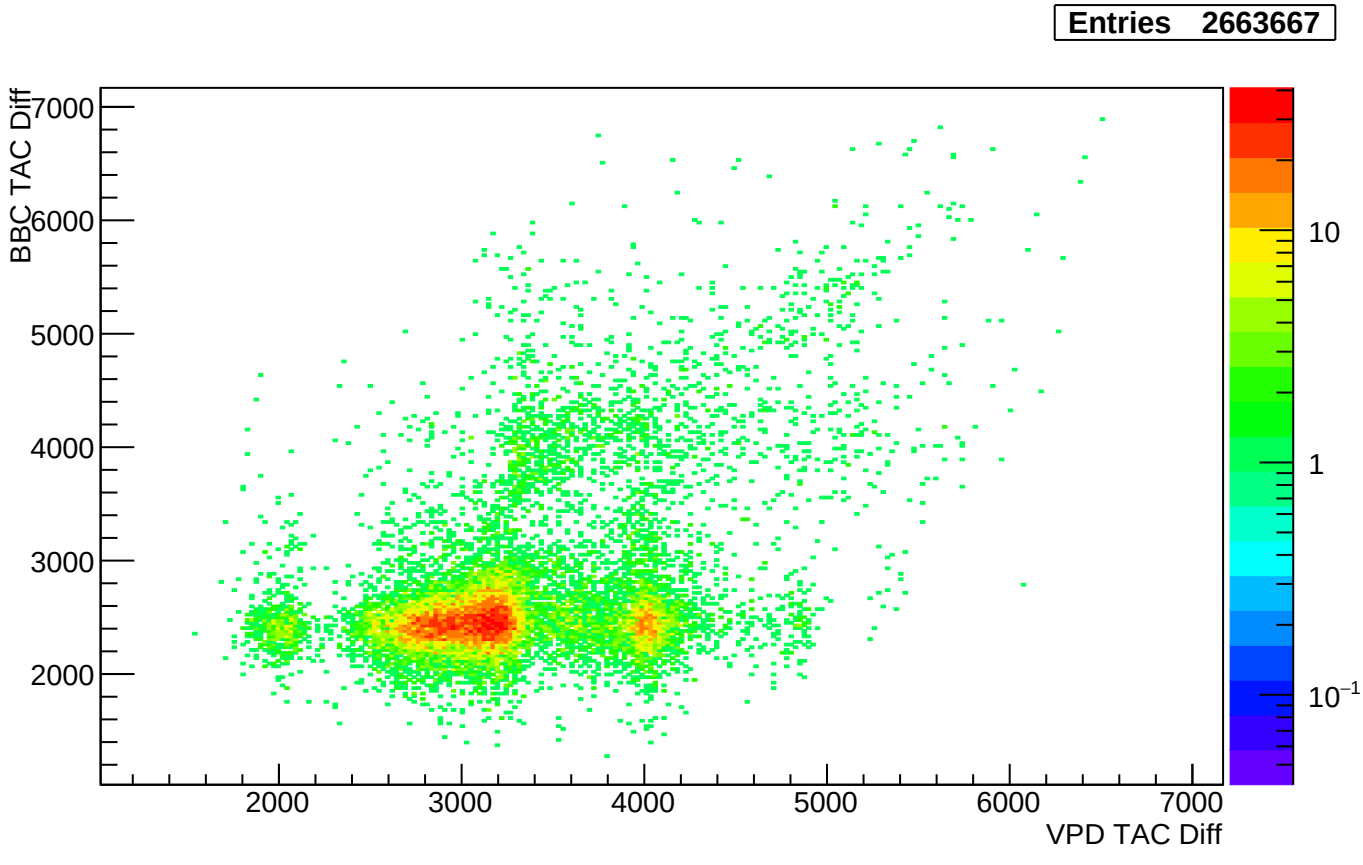

Entries 2663667
TOF_Mult
EPD-East Hit Cnt

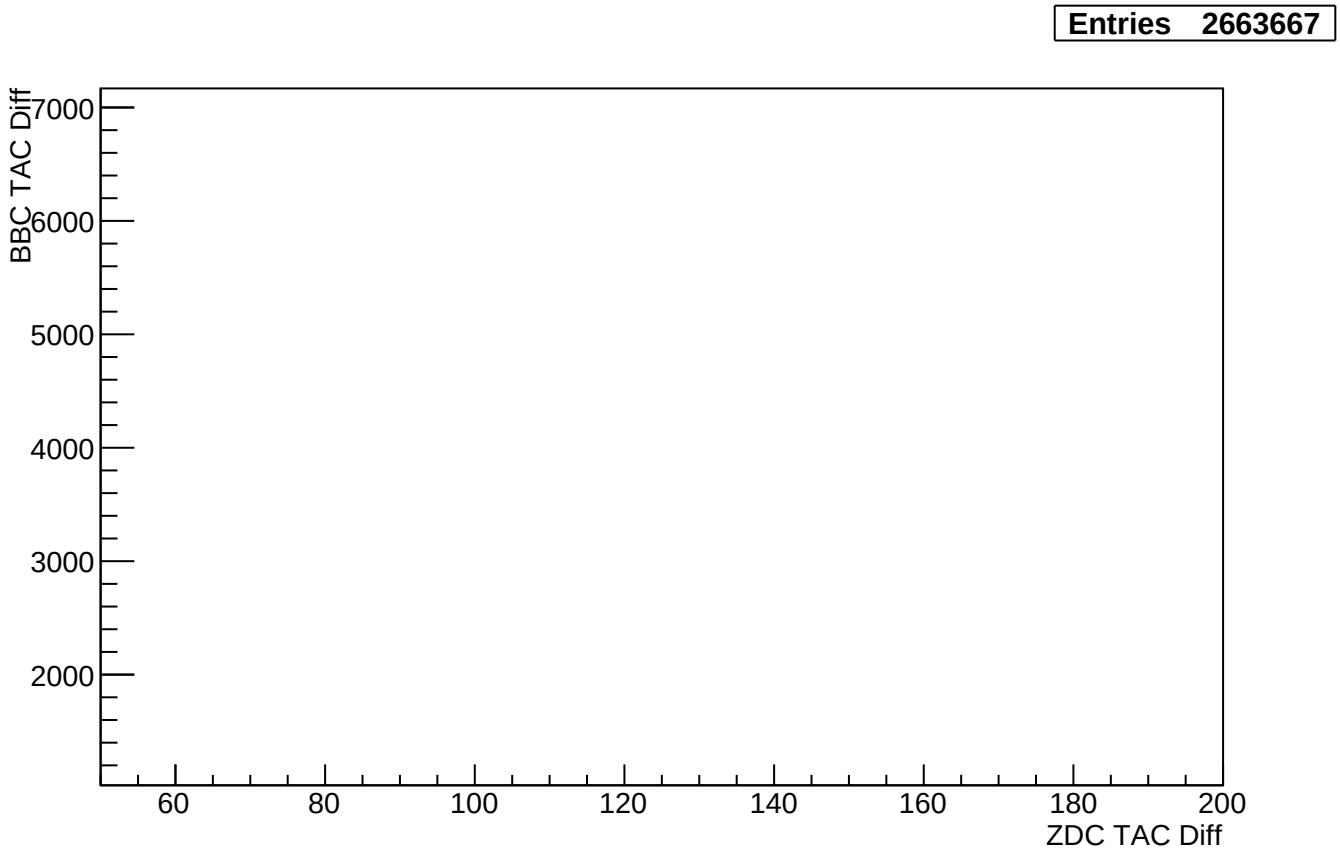

Entries 2663667
TOF_Mult
EPD-West Hit Cnt

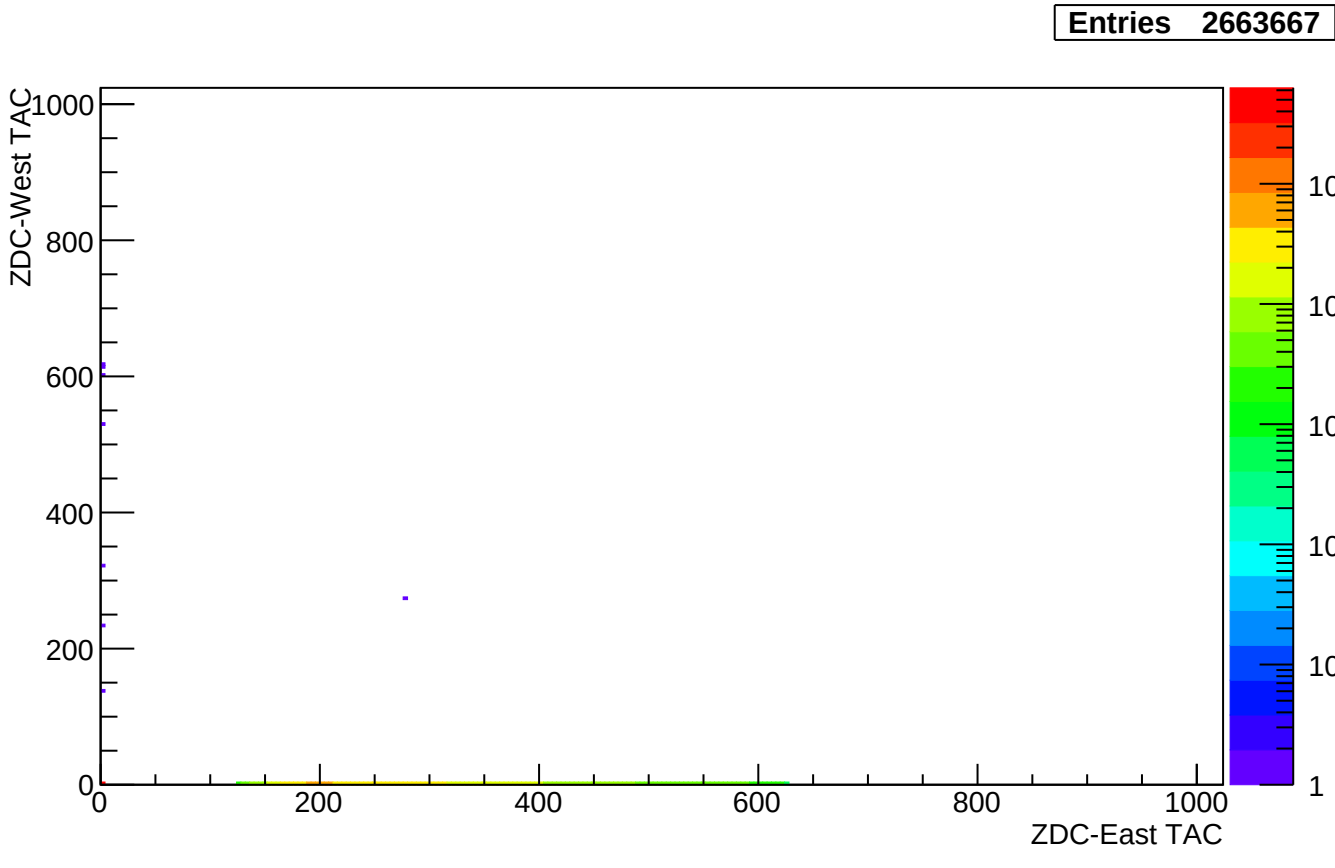

Entries 2663667
TOF_Mult
VPD-East ADC Sum

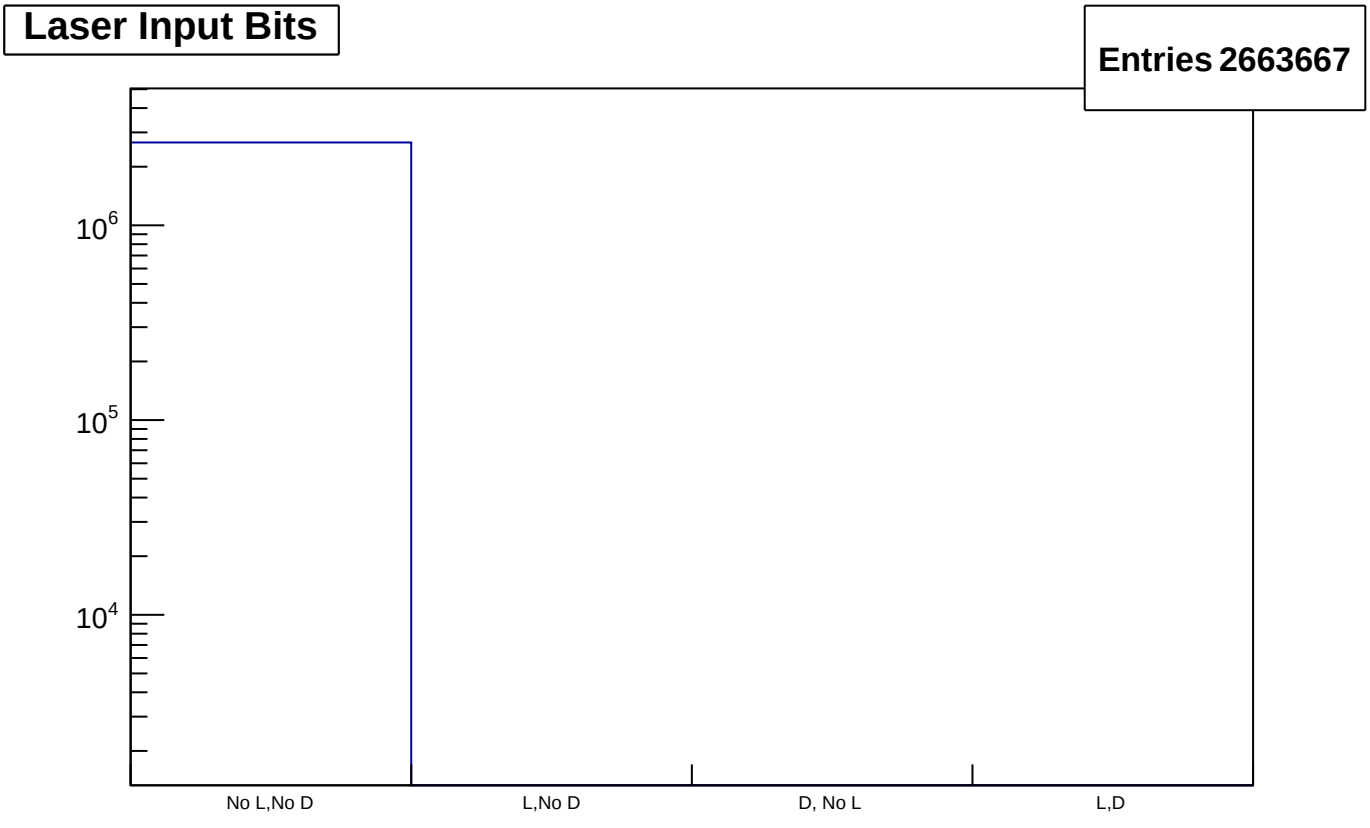

Entries 2663667
TOF_Mult
VPD-West ADC Sum

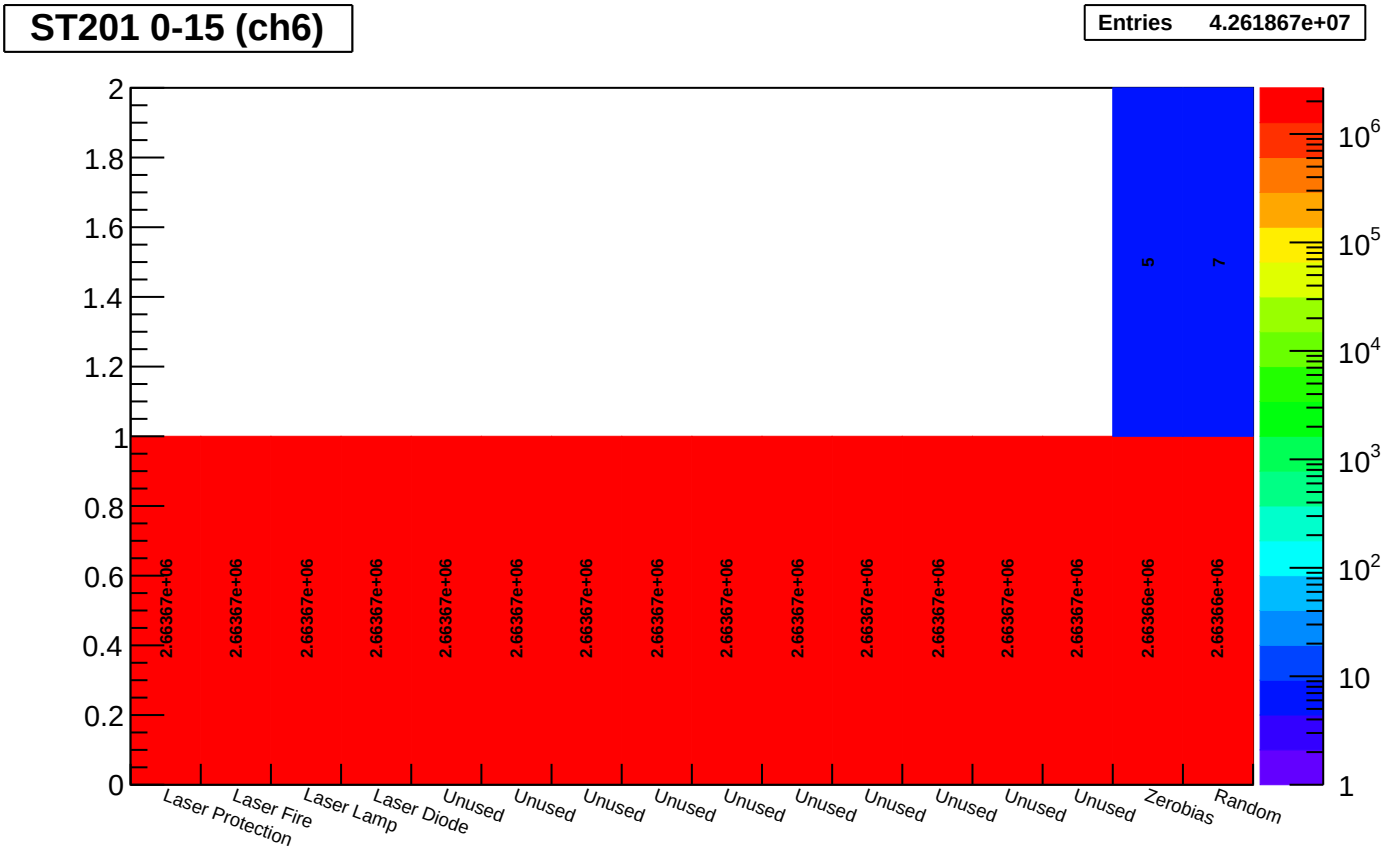

Entries 2663667
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

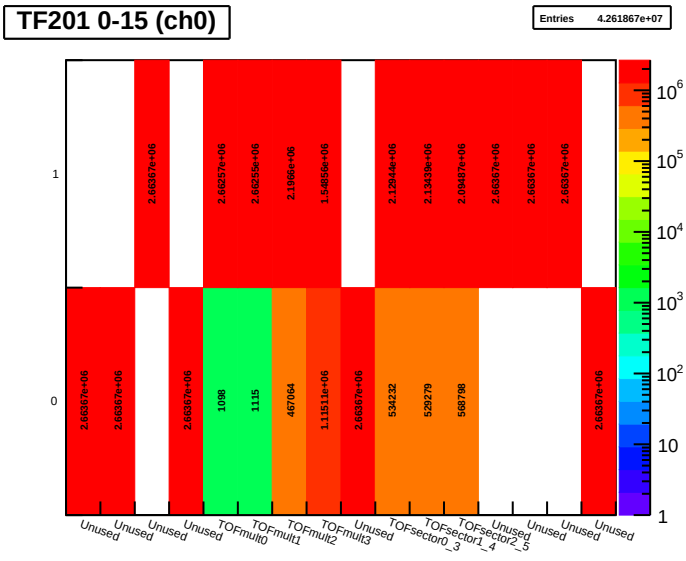

Entries 2663667
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10
1
10^{-1}

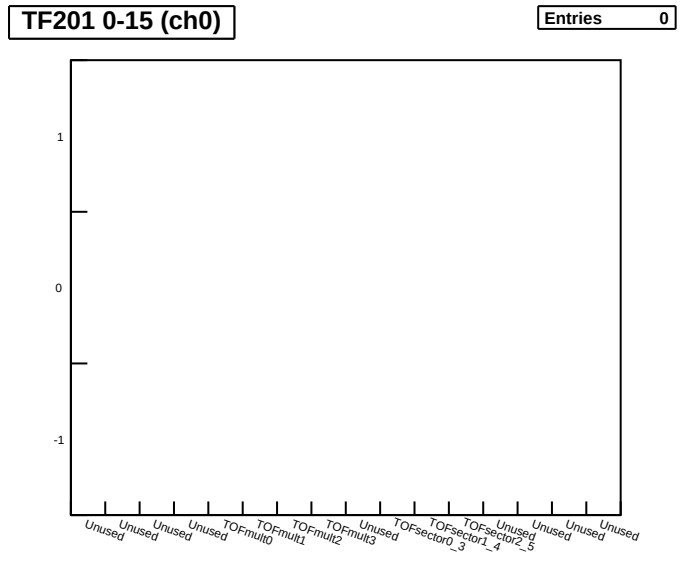

Entries 2663667
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff

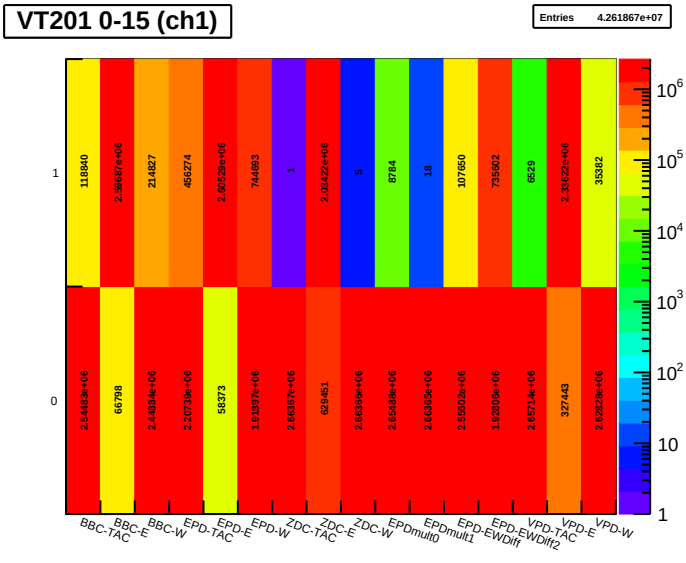

Entries 2663667
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

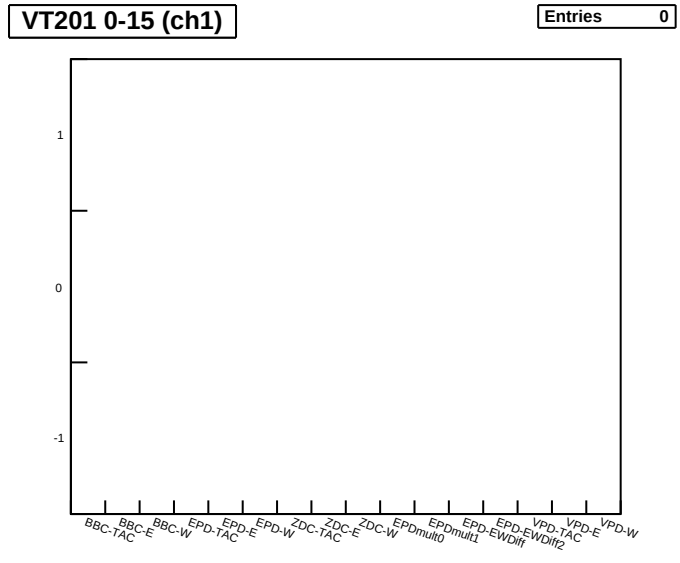

Laser Input Bits
Entries 2663667
10^6
10^5
10^4
No L,No D
L,No D
D, No L
L,D

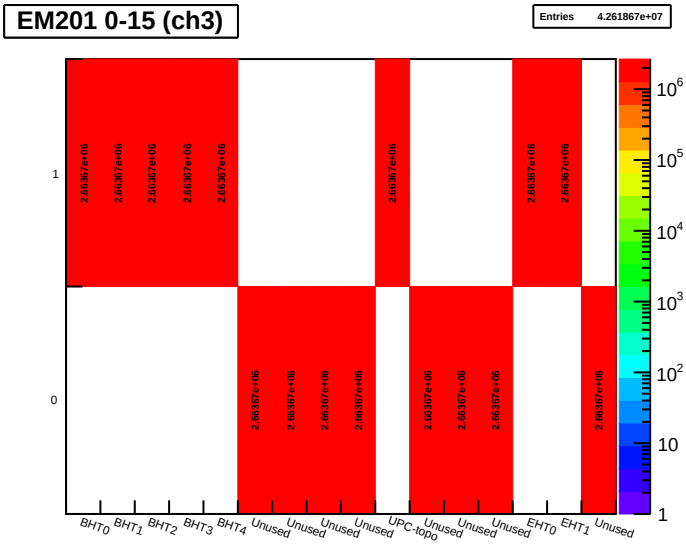

ST201 0-15 (ch6)
Entries 4.261867e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
2.66367e+06
2.66366e+06
5
7
10^6
10^5
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

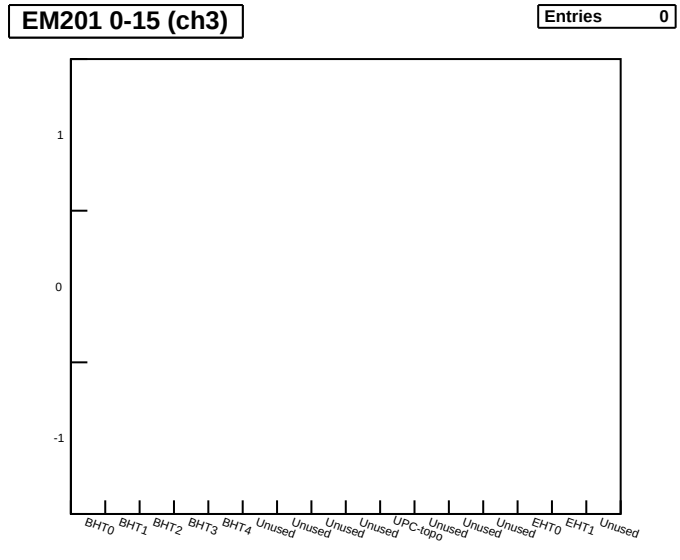

TF201 0-15 (ch0)
Entries 4.261867e+07
1
0
2.66367e+06
2.66257e+06
2.66255e+06
2.1966e+06
1.54856e+06
2.12944e+06
2.13439e+06
2.09487e+06
2.66367e+06
2.66367e+06
2.66367e+06
2.66367e+06
2.66367e+06
1098
1115
467064
1.11511e+06
2.66367e+06
534232
529279
568798
2.66367e+06
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^6
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 4.261867e+07
1
0
118840
2.99687e+06
214827
456274
2.60529e+06
744693
1
2.03422e+06
5
8784
18
107650
735602
6529
2.33622e+06
35382
2.54483e+06
66798
2.44884e+06
2.20739e+06
58373
1.91897e+06
2.66367e+06
629451
2.66366e+06
2.65498e+06
2.66365e+06
2.55602e+06
1.92816e+06
2.65714e+06
327443
2.62828e+06
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
10^6
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 4.261867e+07
1
0
2.66367e+06
2.66367e+06
2.66367e+06
2.66367e+06
2.66367e+06
2.66367e+06
2.66367e+06
2.66367e+06
2.66367e+06
2.66367e+06
2.66367e+06
2.66367e+06
2.66367e+06
2.66367e+06
2.66367e+06
2.66367e+06
2.66367e+06
2.66367e+06
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
10^6
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