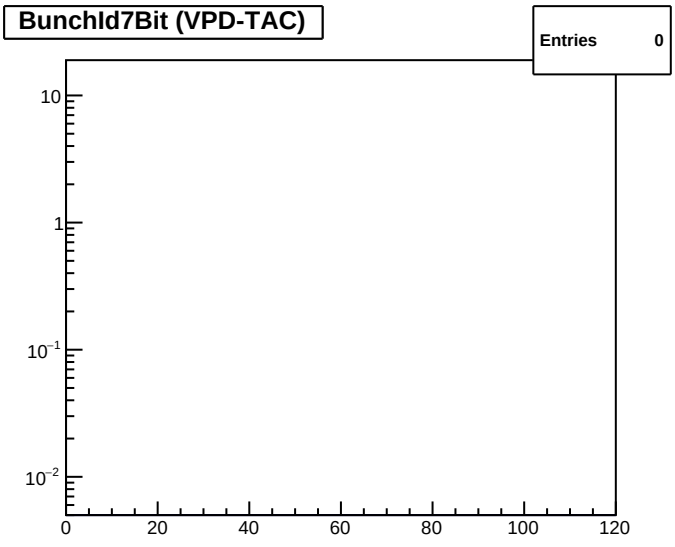
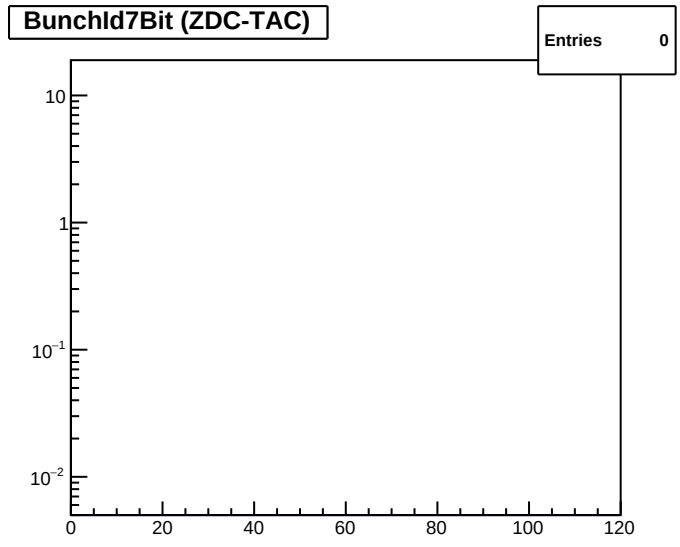
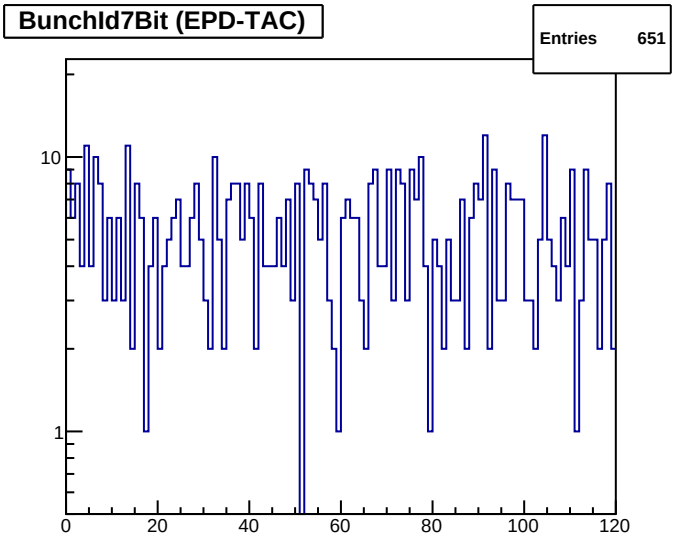
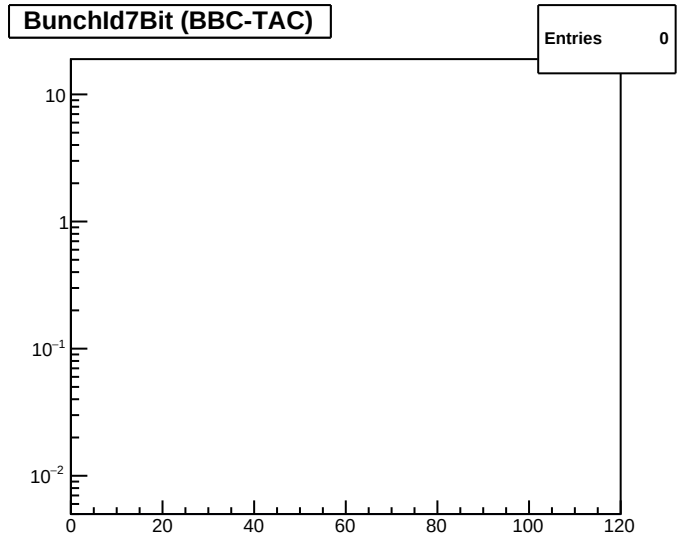
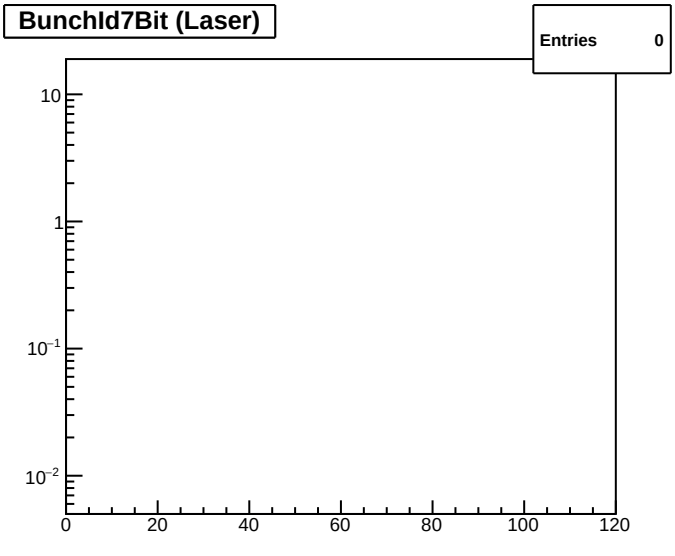
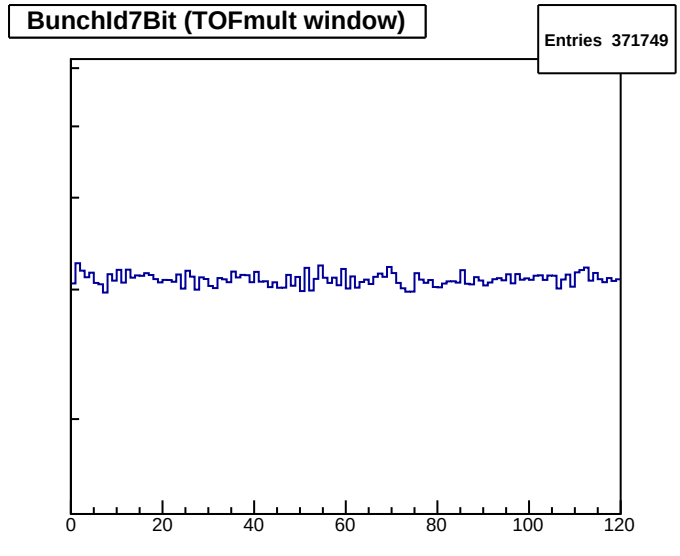

BunchId7Bit (VPD-TAC)
Entries 0

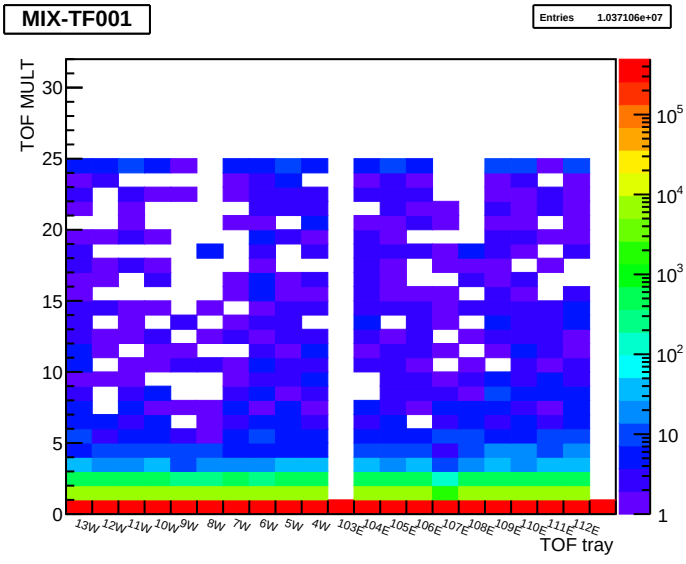

BunchId7Bit (ZDC-TAC)
Entries 0

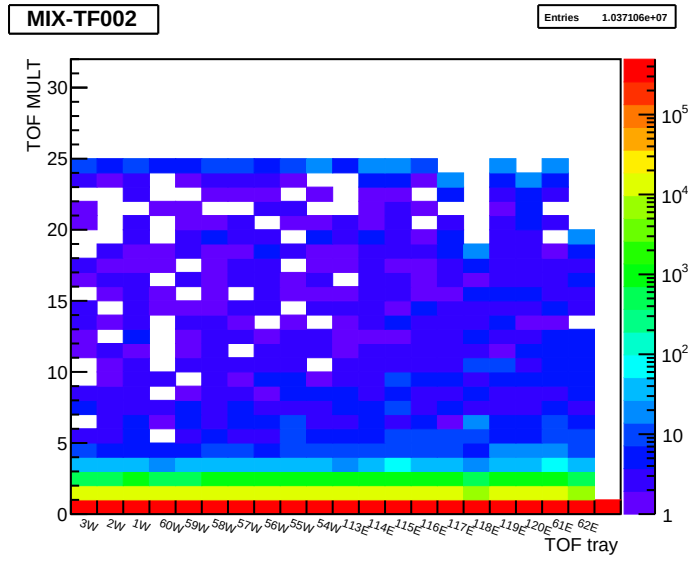

BunchId7Bit (EPD-TAC)
Entries 651

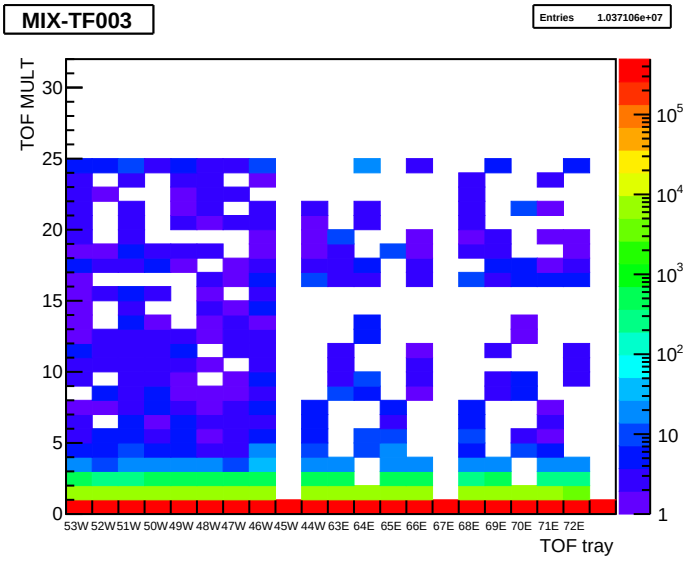

BunchId7Bit (BBC-TAC)
Entries 0

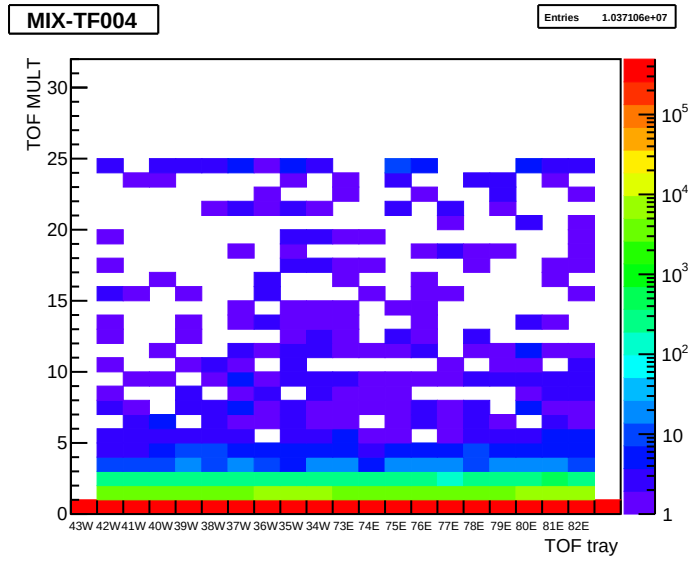

BunchId7Bit (Laser)
Entries 0

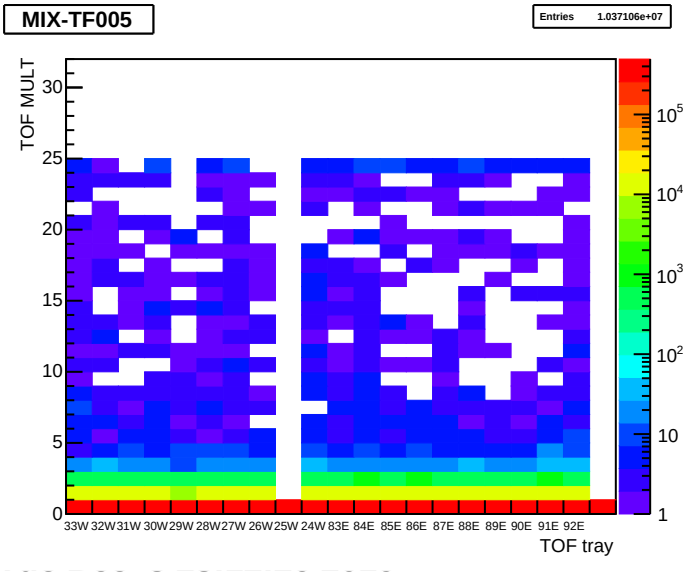

BunchId7Bit (TOFmult window)
Entries 371749

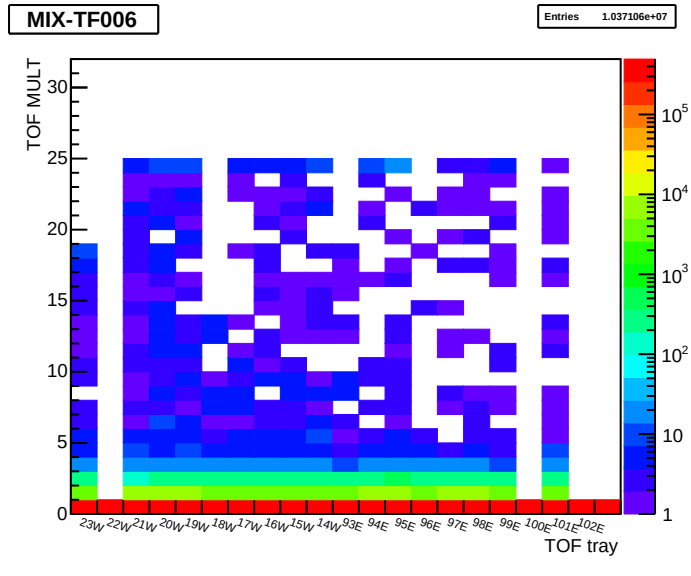

MIX-TF001
Entries 1.037106e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

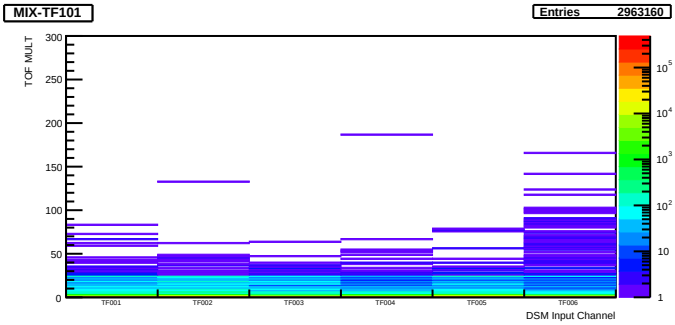

MIX-TF002
Entries 1.037106e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

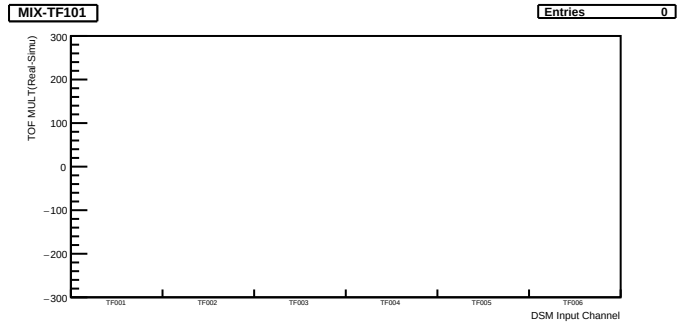

MIX-TF003
Entries 1.037106e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

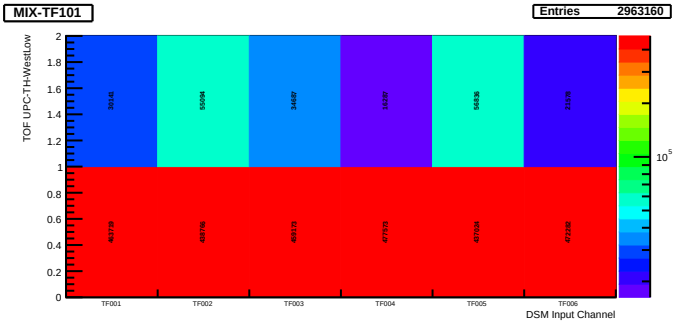

MIX-TF004
Entries 1.037106e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

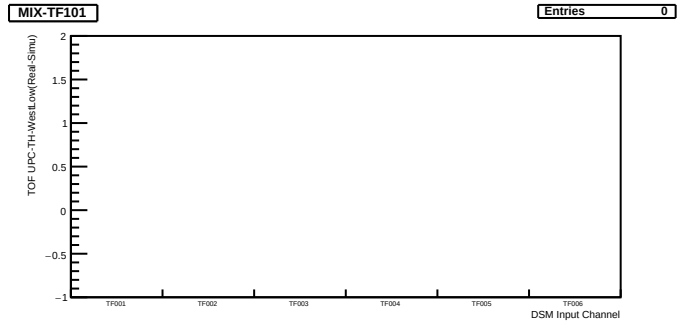

MIX-TF005
Entries 1.037106e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

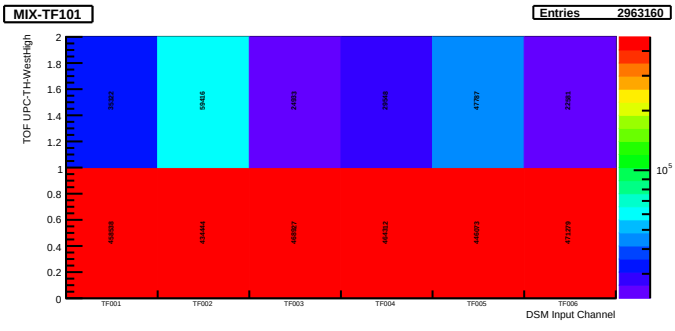

MIX-TF006
Entries 1.037106e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

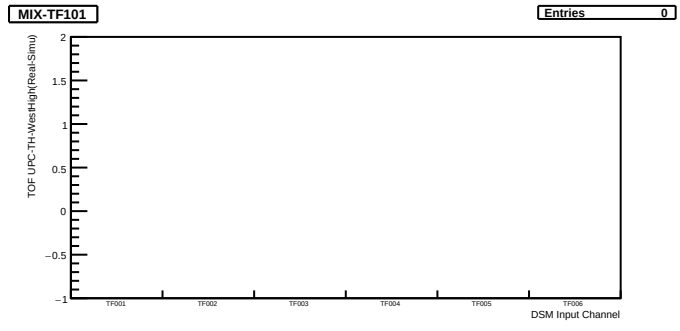

MIX-TF101
Entries 2963160
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

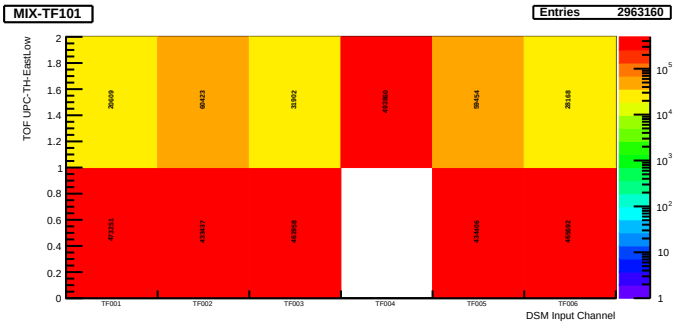

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

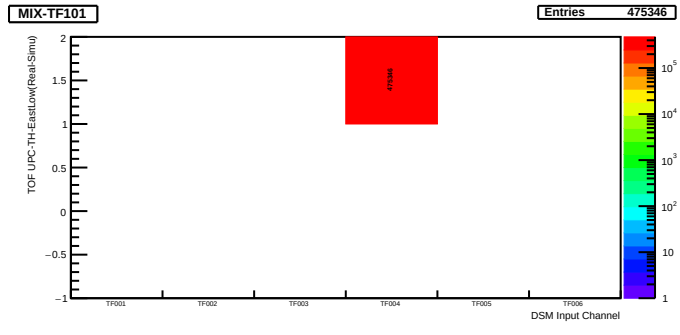

MIX-TF101
Entries 2963160
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

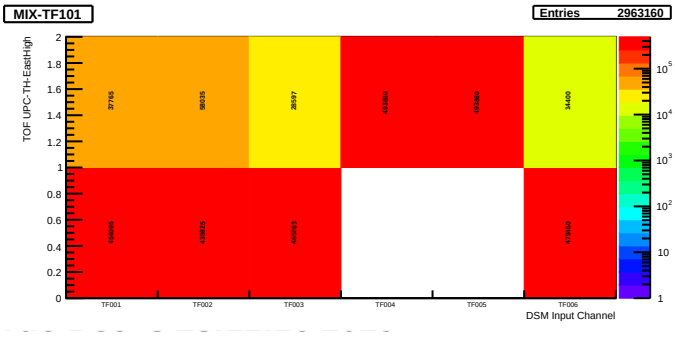

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

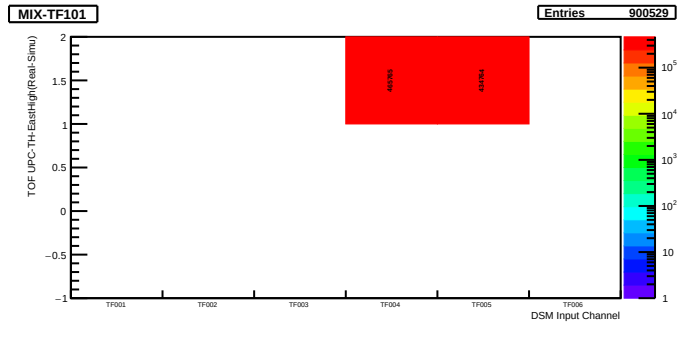

MIX-TF101
Entries 2963160
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

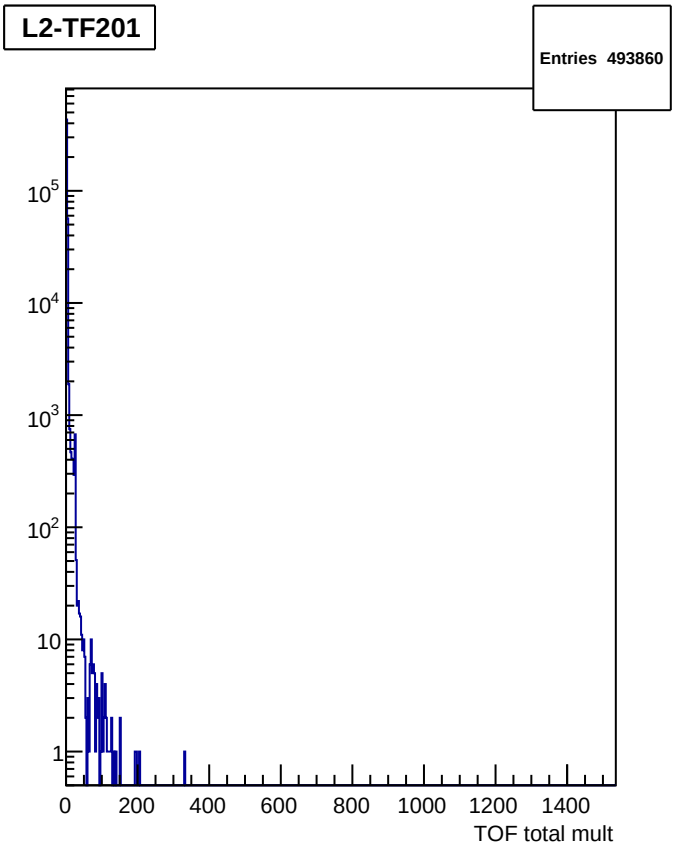

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

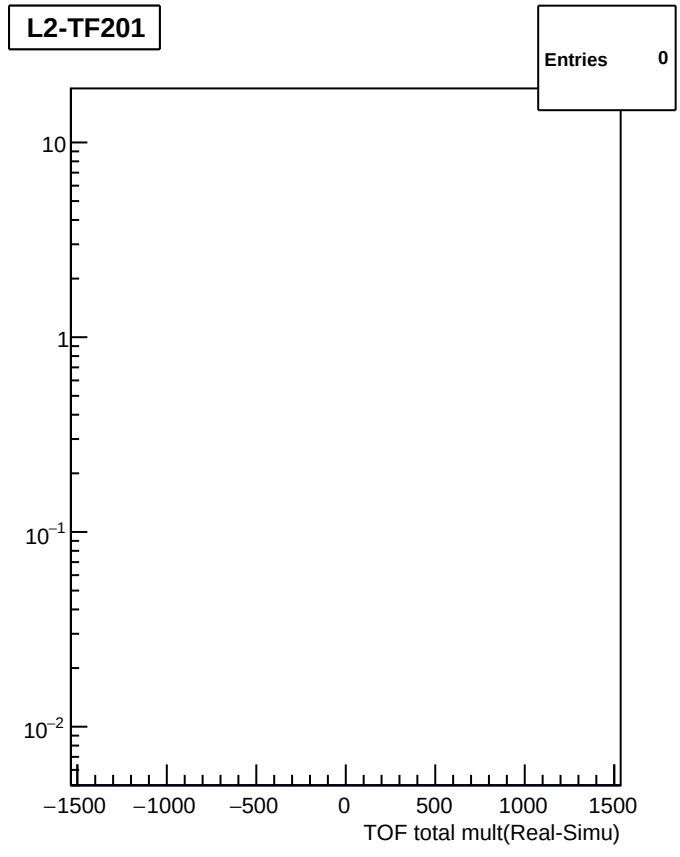

MIX-TF101
Entries 2963160
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

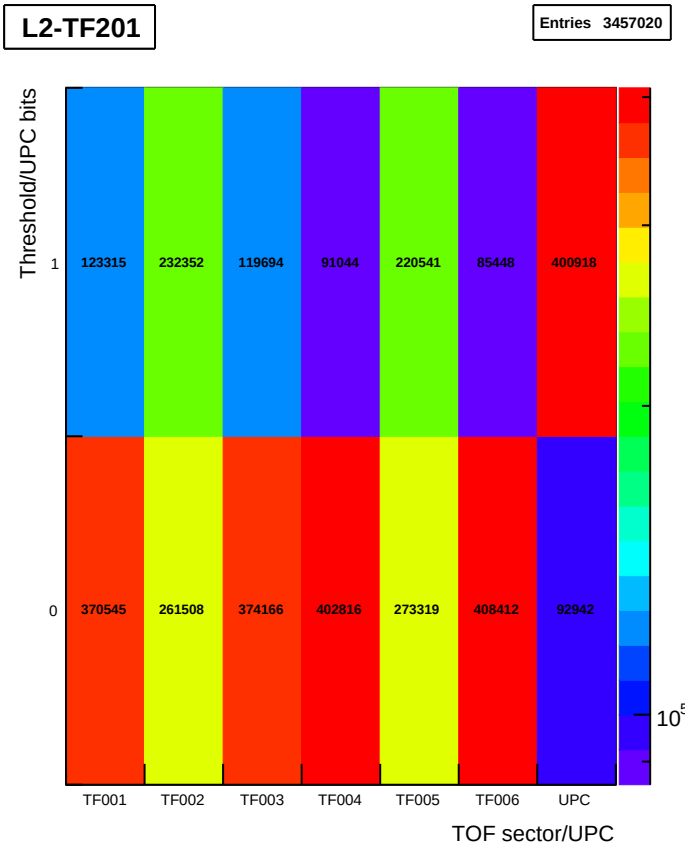

MIX-TF101
Entries 475346
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

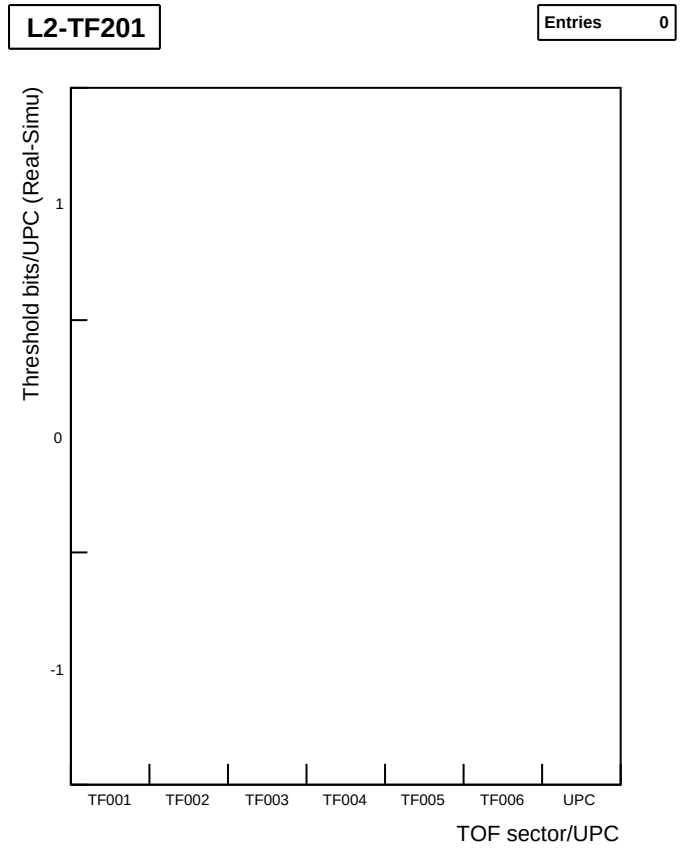

MIX-TF101
Entries 2963160
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

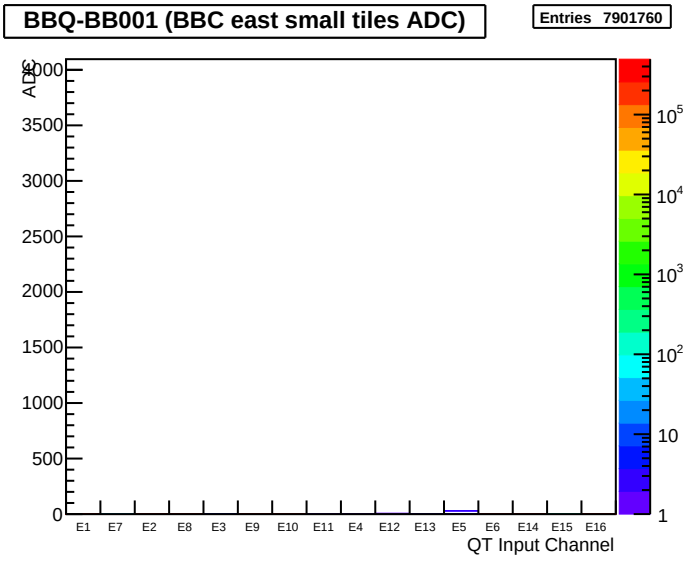

MIX-TF101
Entries 900529
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

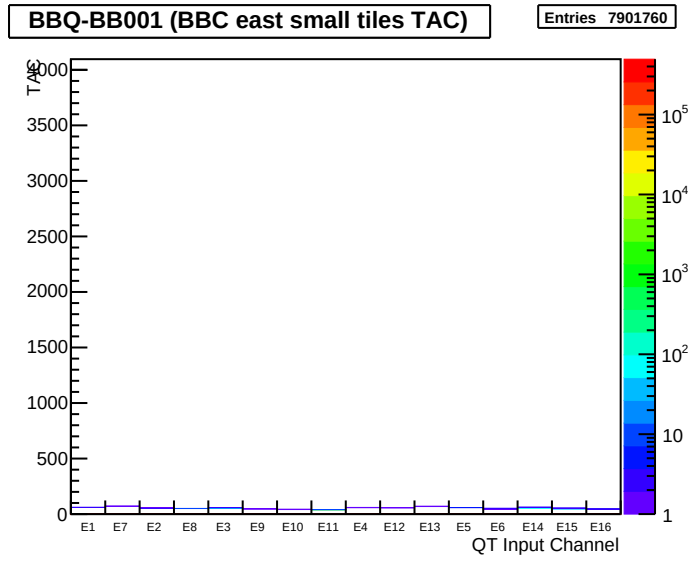

L2-TF201
Entries 493860
TOF total mult

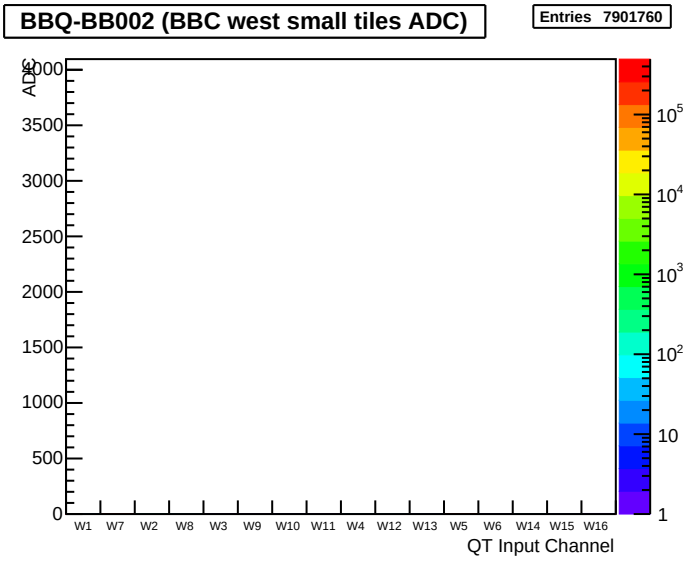

L2-TF201
Entries 0
TOF total mult(Real-Simu)

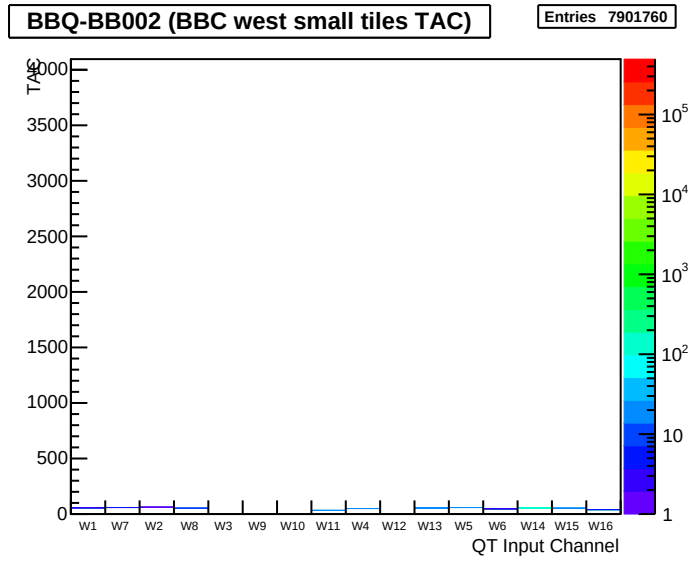

L2-TF201
Entries 3457020
Threshold/UPC bits
123315
232352
119694
91044
220541
85448
400918
370545
261508
374166
402816
273319
408412
92942
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

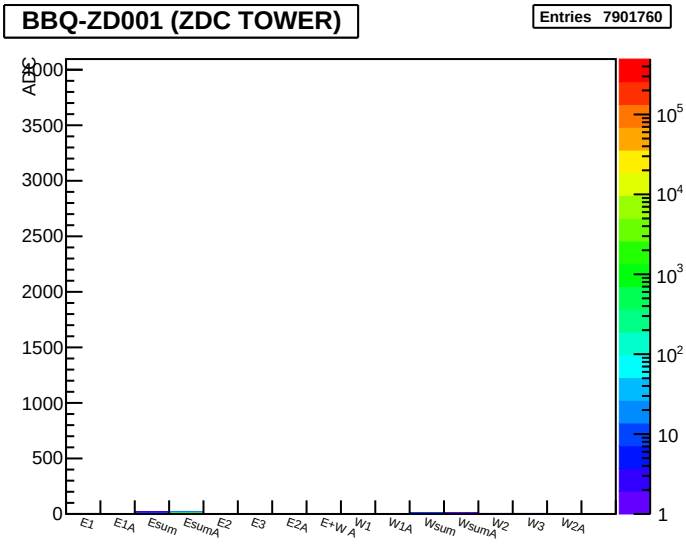

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

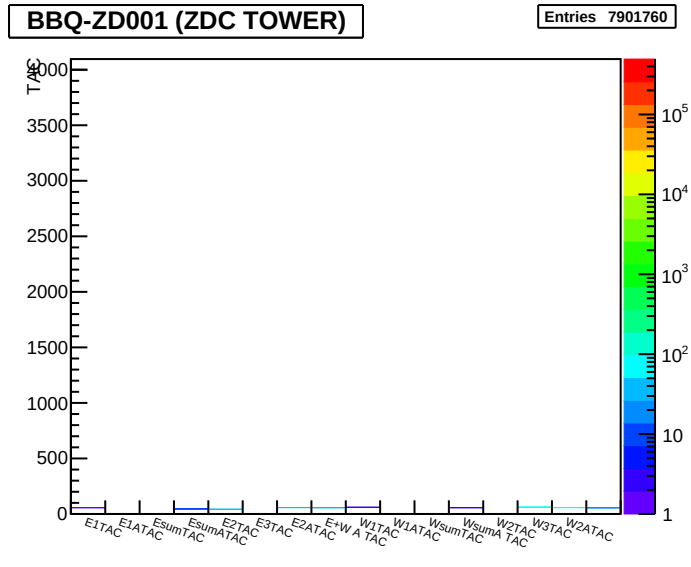

BBQ-BB001 (BBC east small tiles ADC)
Entries 7901760
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

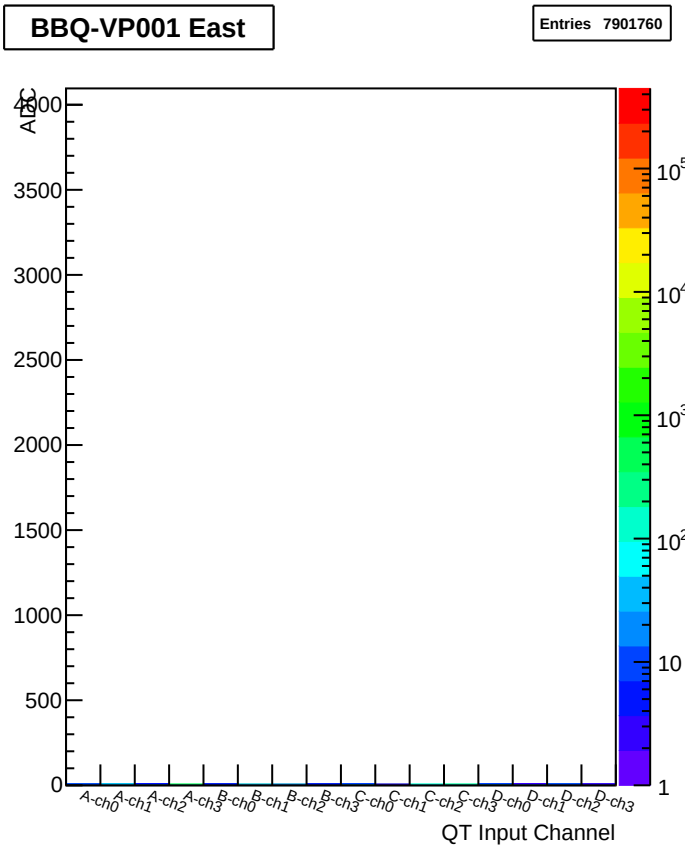

BBQ-BB001 (BBC east small tiles TAC)
Entries 7901760
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

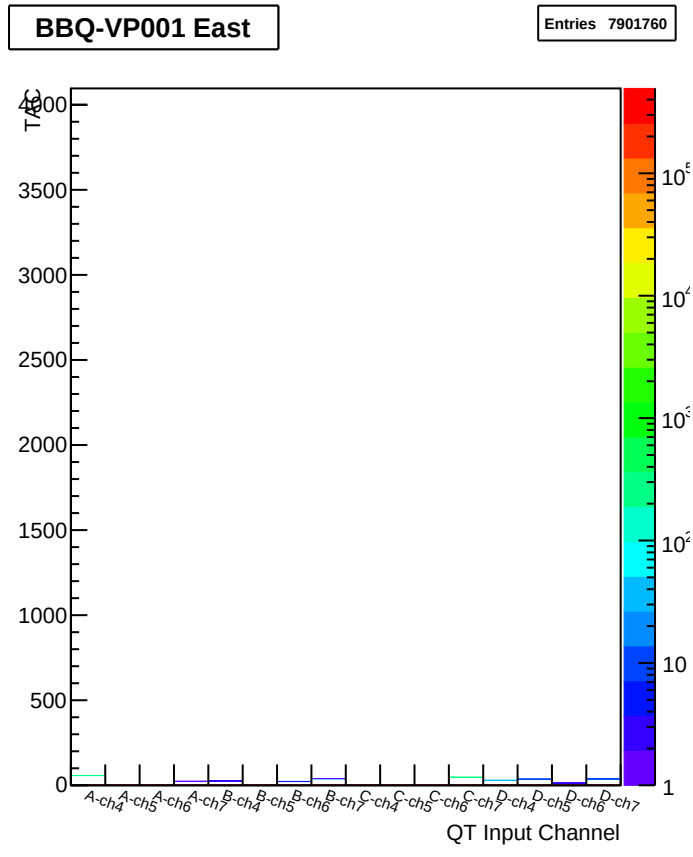

BBQ-BB002 (BBC west small tiles ADC)
Entries 7901760
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

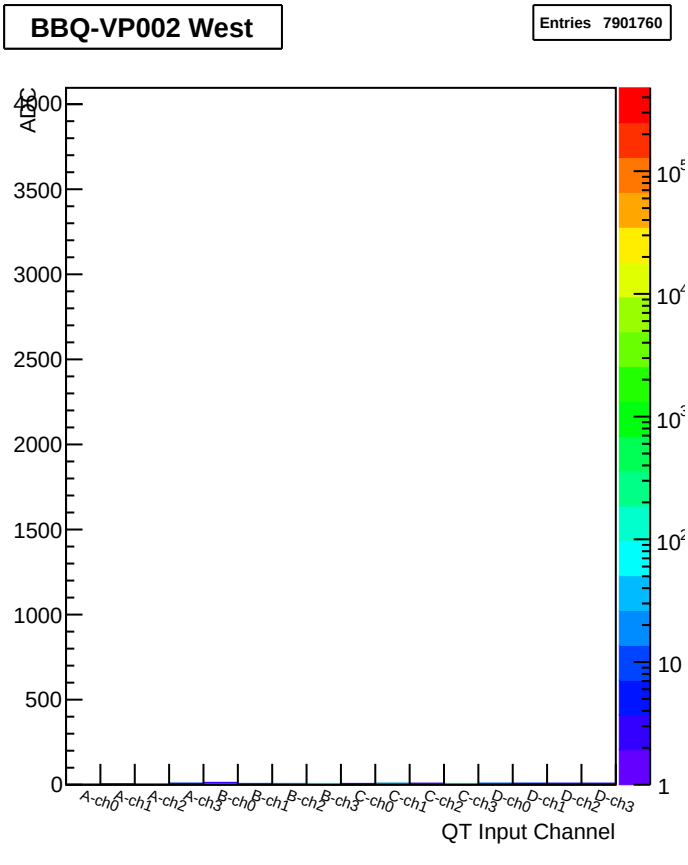

BBQ-BB002 (BBC west small tiles TAC)
Entries 7901760
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

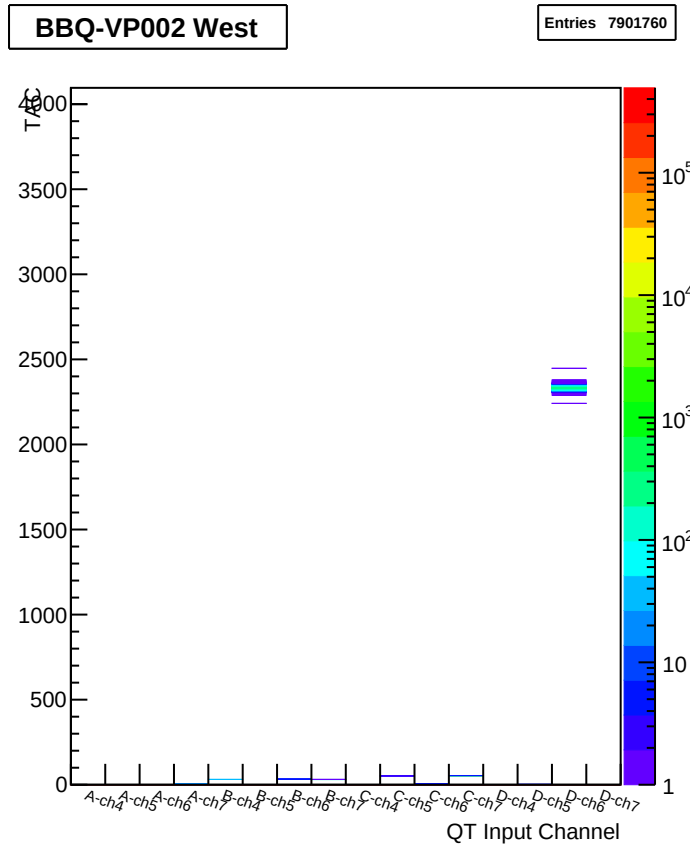

BBQ-ZD001 (ZDC TOWER)
Entries 7901760
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

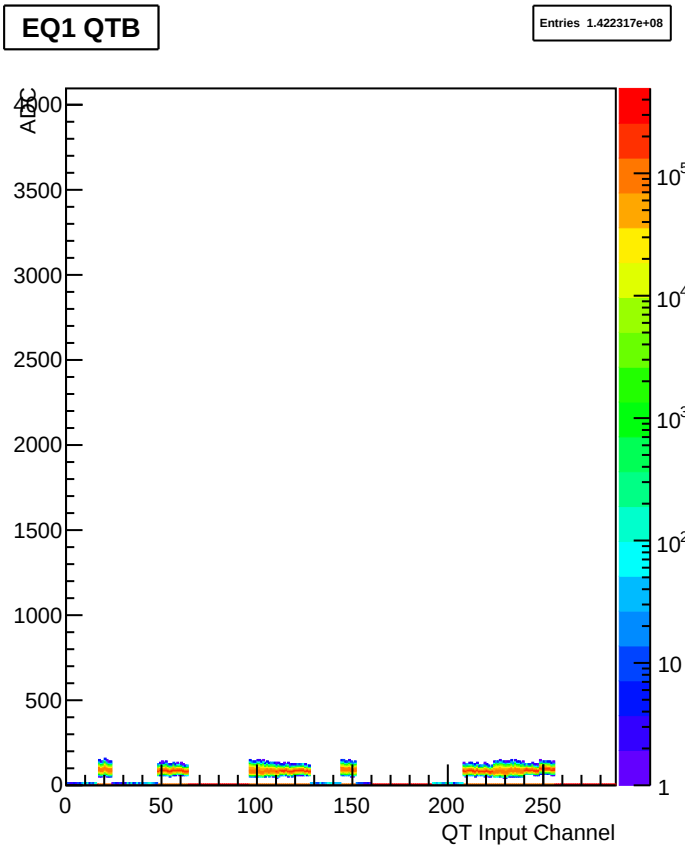

BBQ-ZD001 (ZDC TOWER)
Entries 7901760
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

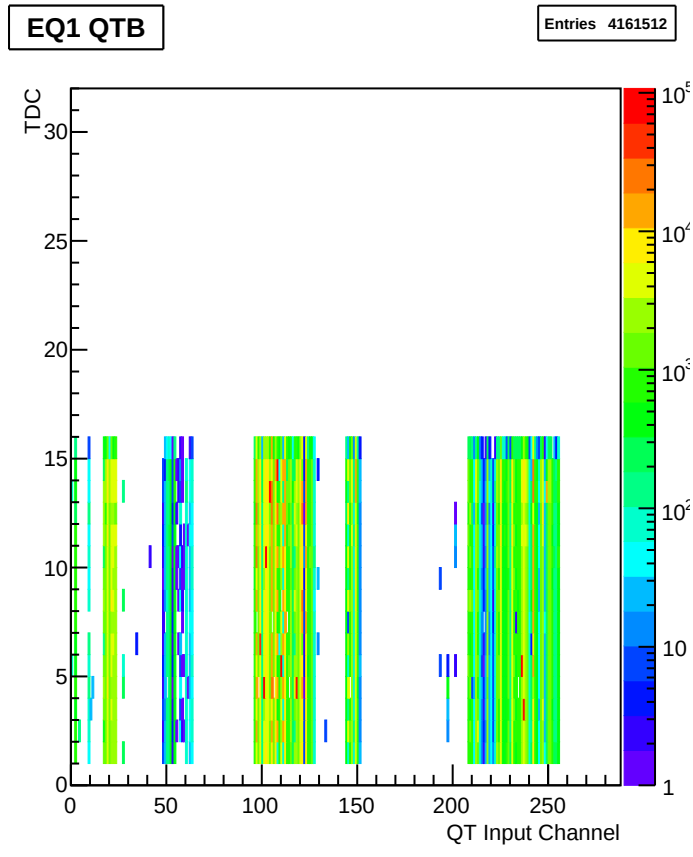

BBQ-VP001 East
Entries 7901760
ADC
QT Input Channel

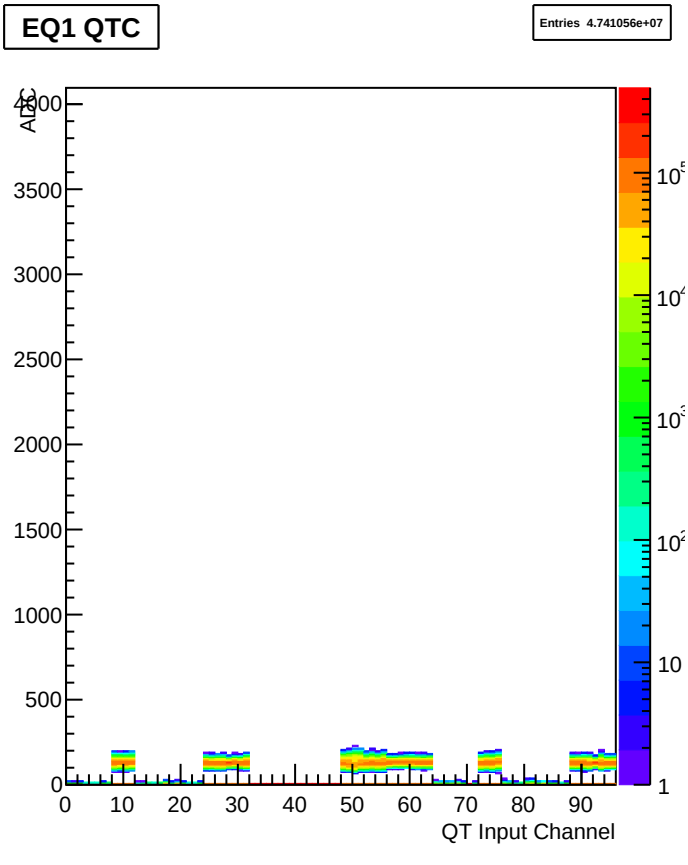

BBQ-VP001 East
Entries 7901760
ADC
QT Input Channel

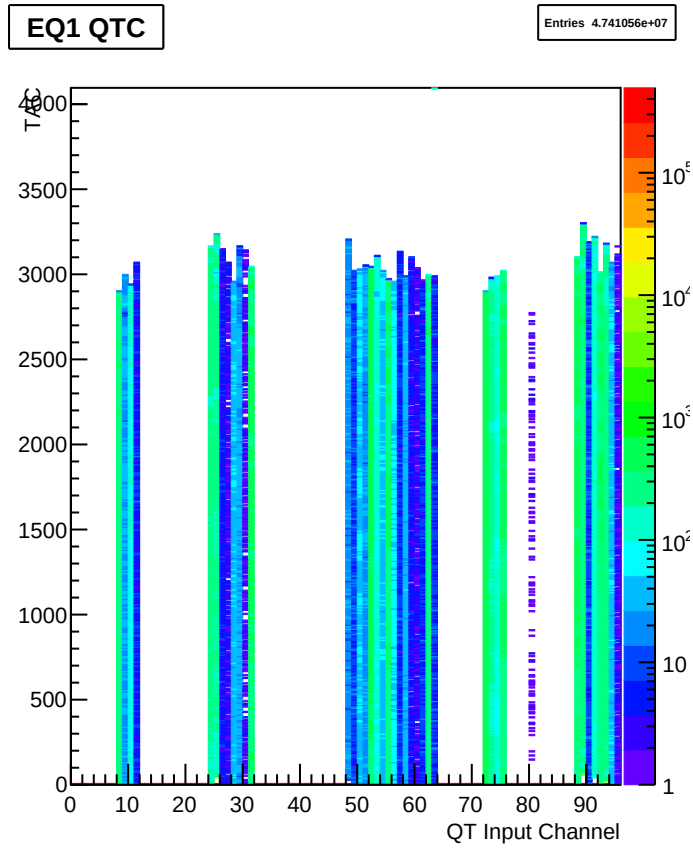

BBQ-VP002 West
Entries 7901760
ADC
QT Input Channel

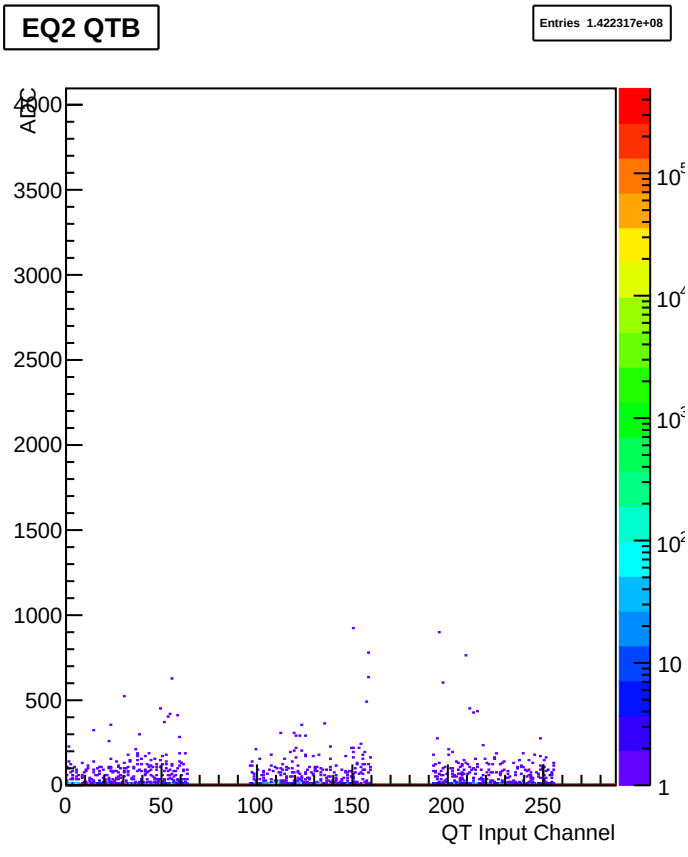

BBQ-VP002 West
Entries 7901760
ADC
QT Input Channel

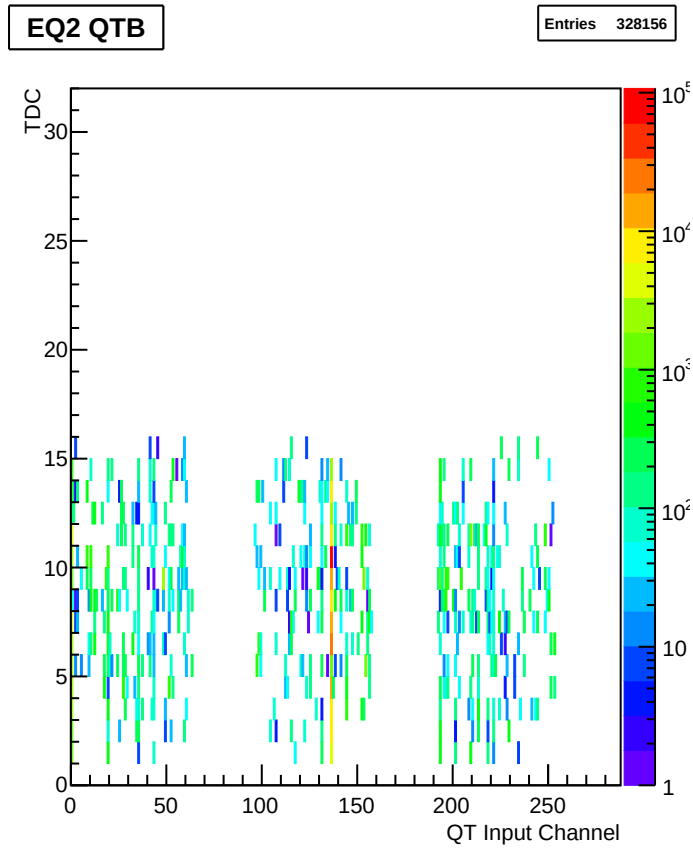

EQ1 QTB
Entries 1.422317e+08
ADC
QT Input Channel

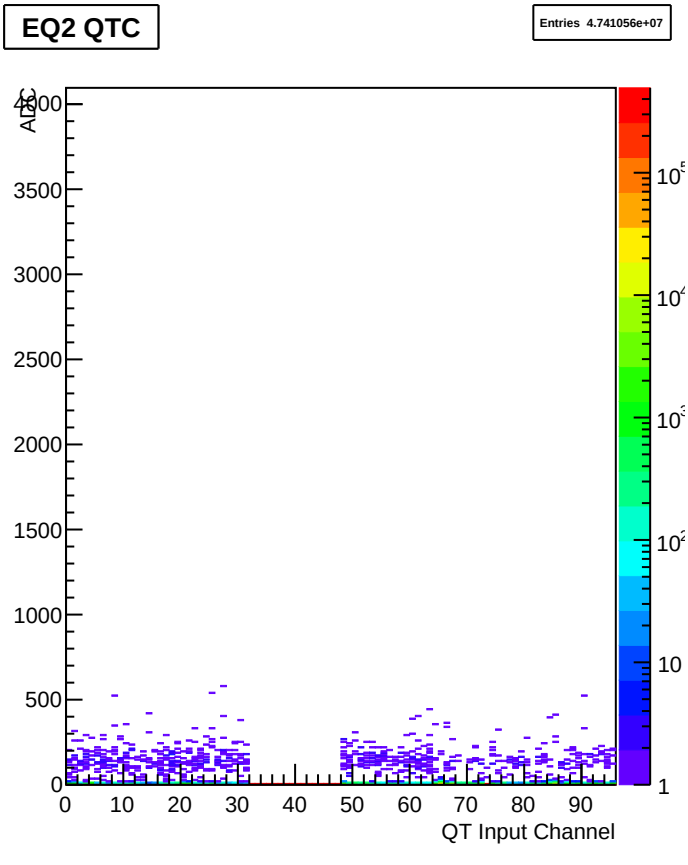

EQ1 QTB
Entries 4161512
TDC
QT Input Channel

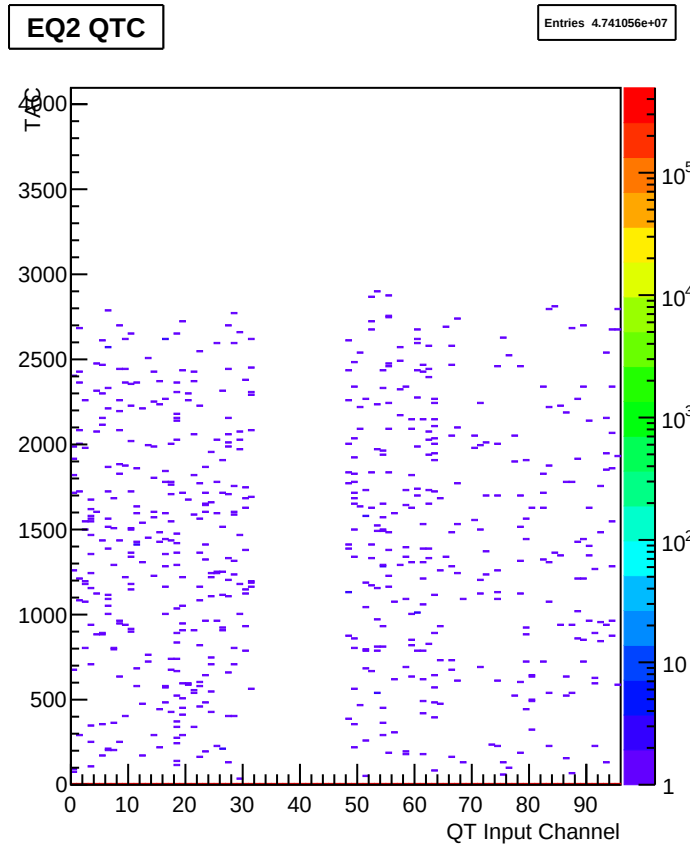

EQ1 QTC
Entries 4.741056e+07
ADC
QT Input Channel

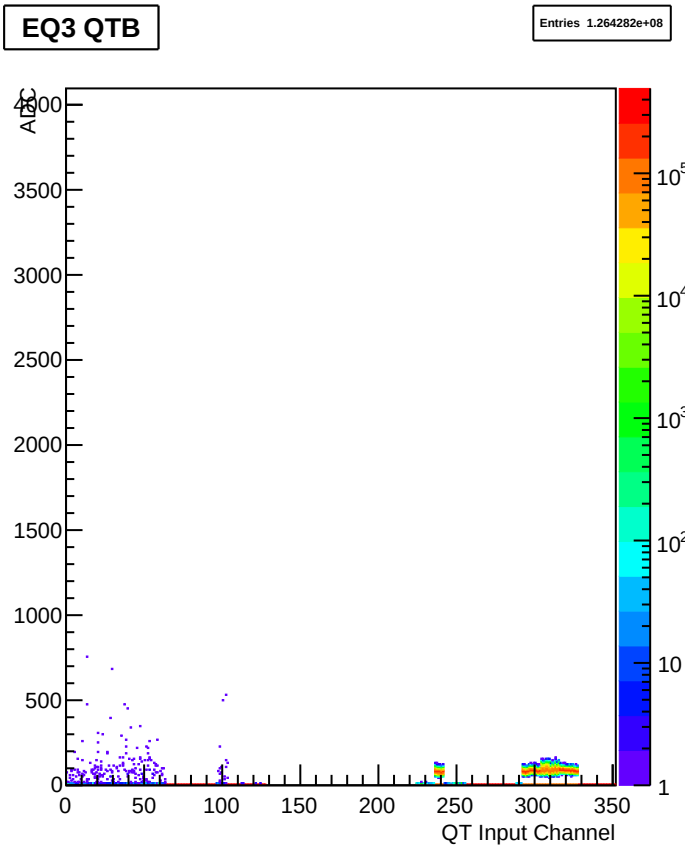

EQ1 QTC
Entries 4.741056e+07
TADC
QT Input Channel

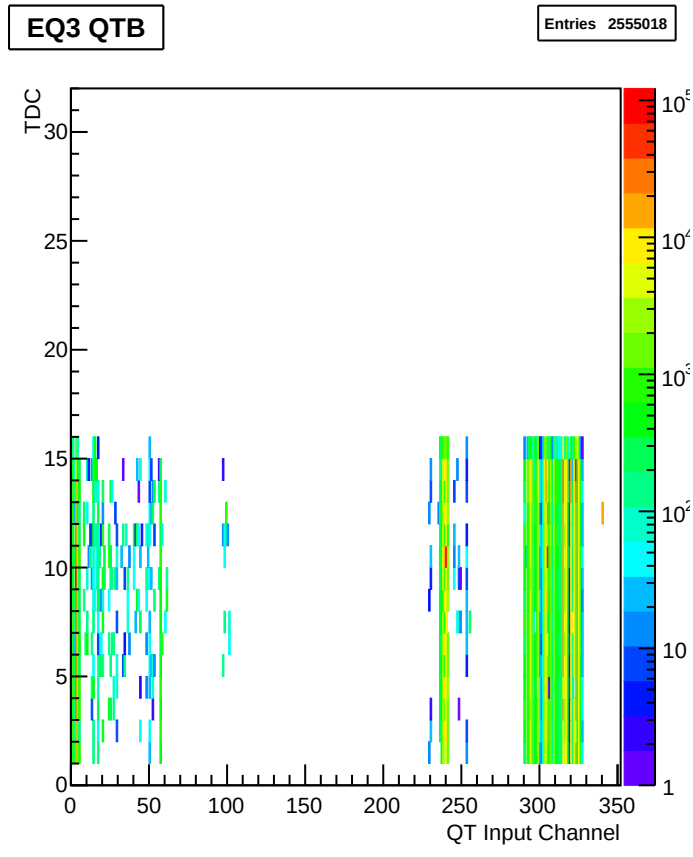

EQ2 QTB
Entries 1.422317e+08
ADC
QT Input Channel

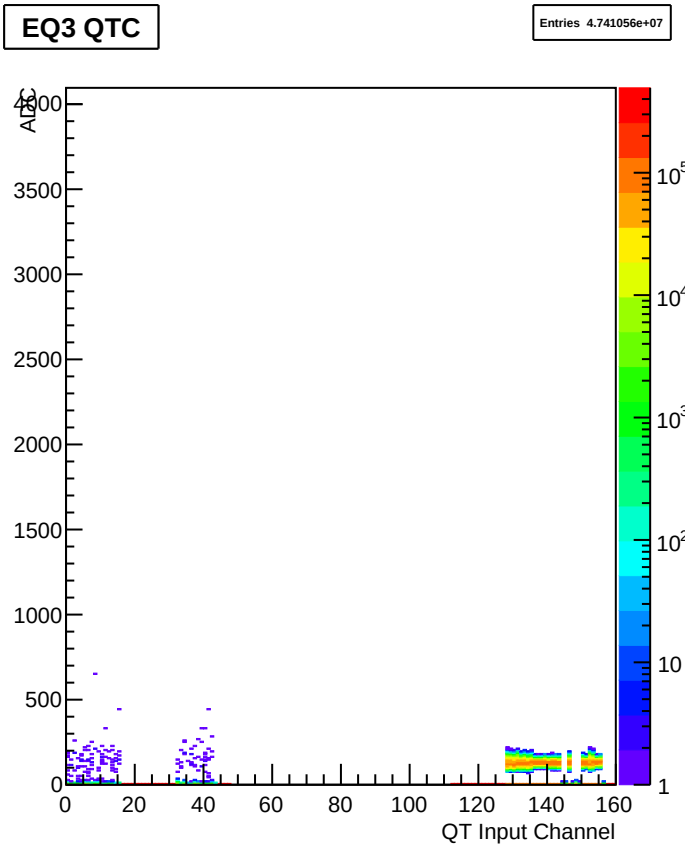

EQ2 QTB
Entries 328156
TDC
QT Input Channel

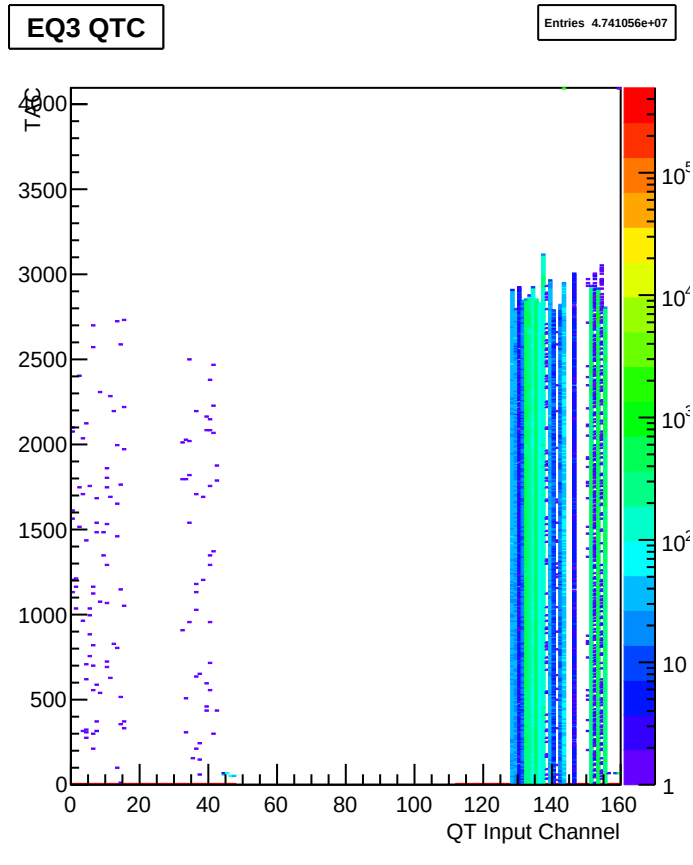

EQ2 QTC
Entries 4.741056e+07
ADC
QT Input Channel

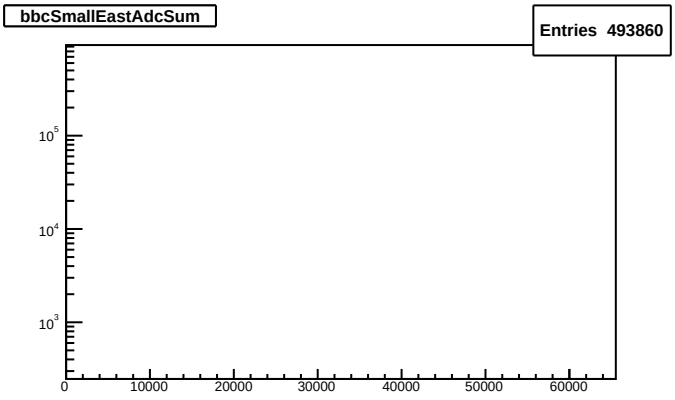

EQ2 QTC
Entries 4.741056e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.264282e+08
ADC
QT Input Channel


EQ3 QTB
Entries 2555018
TDC
QT Input Channel


EQ3 QTC
Entries 4.741056e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.741056e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 493860
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10^4
10^3
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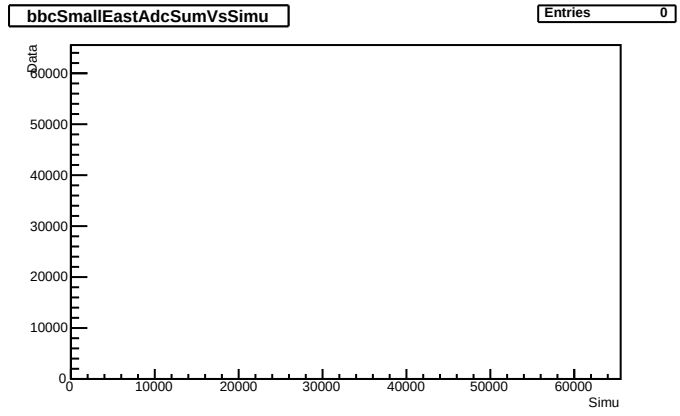
10000
20000
30000
40000
50000
60000


bbcSmallEastAdcSumVsSimu
Entries 0
Data
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40000
30000
20000
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0
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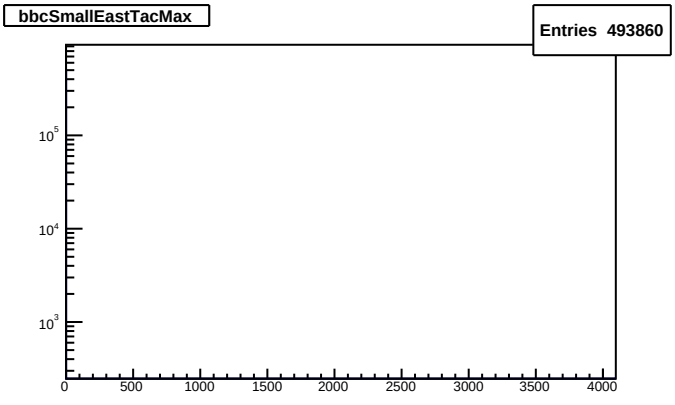
10000
20000
30000
40000
50000
60000
Simu


bbcSmallEastTacMax
Entries 493860
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10^4
10^3
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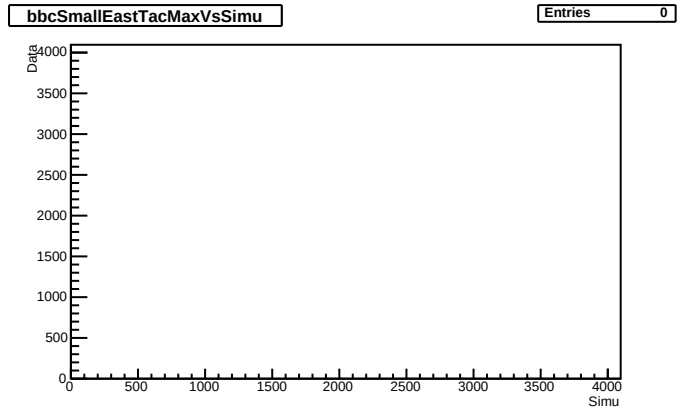
2500
3000
3500
4000


bbcSmallEastTacMaxVsSimu
Entries 0
Data
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3500
4000
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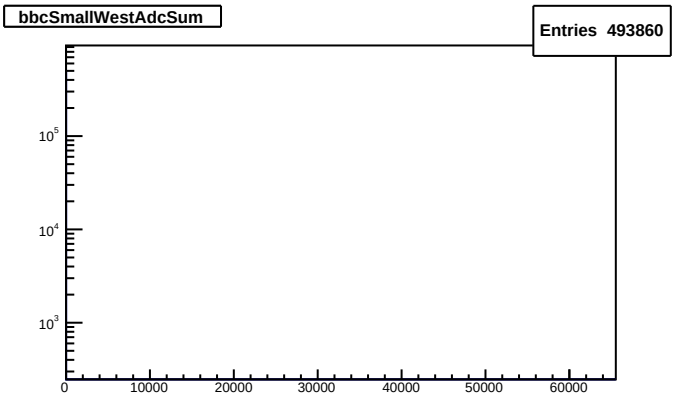
bbcSmallWestAdcSum
Entries 493860
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10^4
10^3
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10000
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50000
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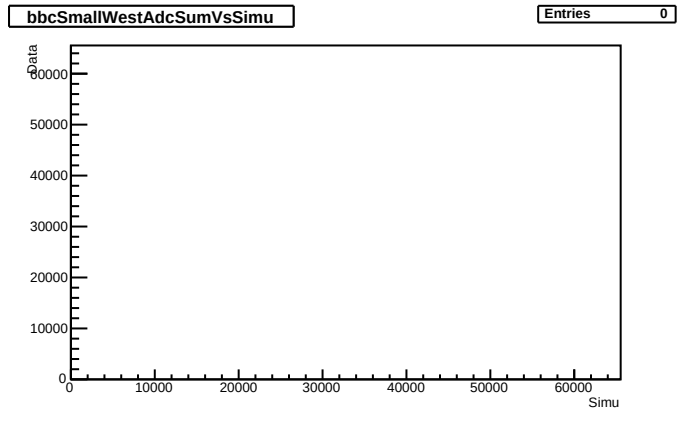
bbcSmallWestAdcSumVsSimu
Entries 0
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30000
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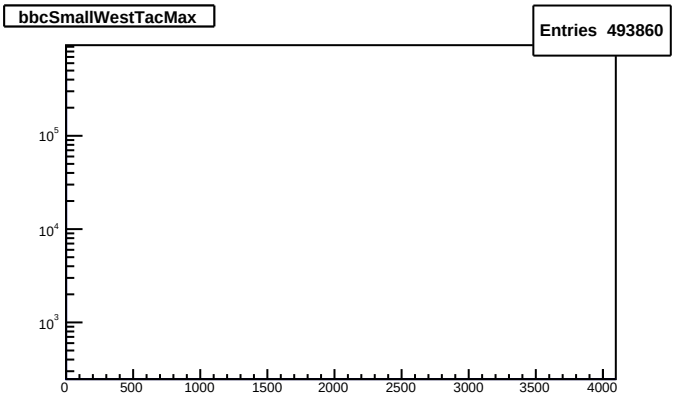
40000
50000
60000
Simu


bbcSmallWestTacMax
Entries 493860
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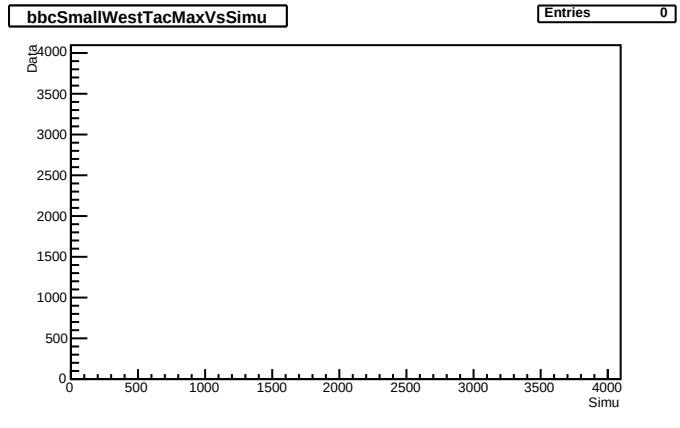
10^4
10^3
0
500
1000
1500
2000
2500
3000
3500
4000


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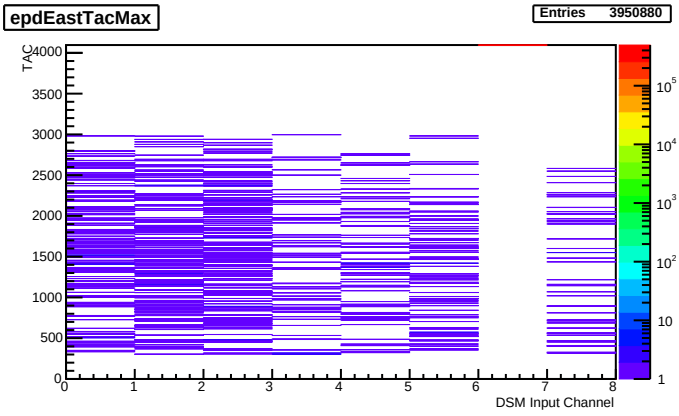
2000
2500
3000
3500
4000
Simu


epdEastTacMax
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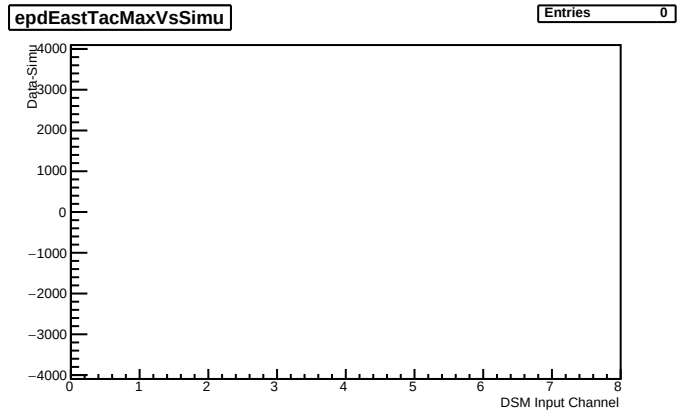
TAC
DSM Input Channel


epdEastTacMaxVsSimu
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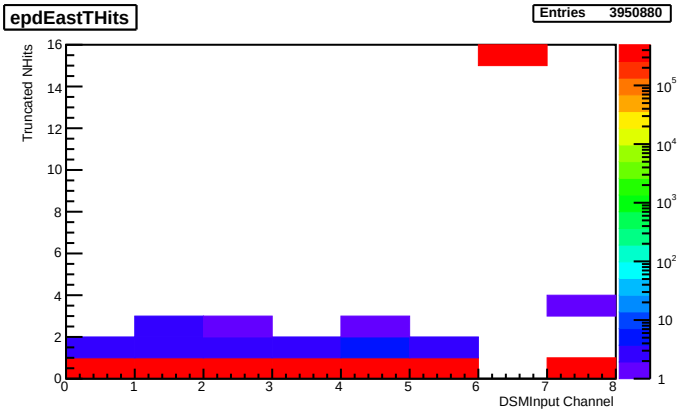
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3950880
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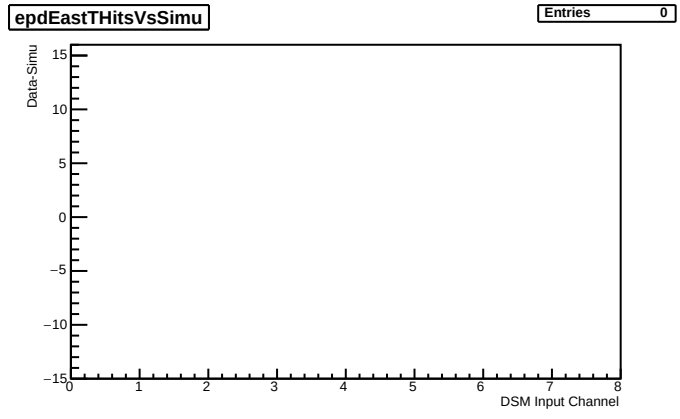
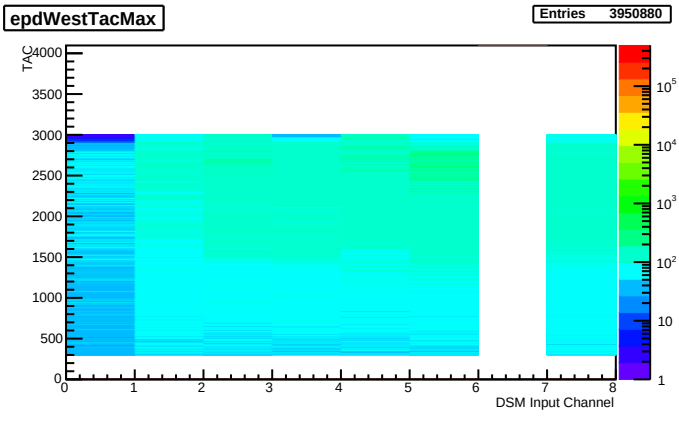
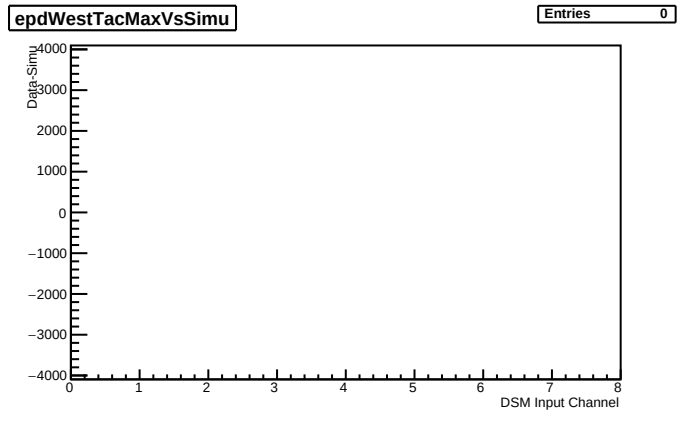
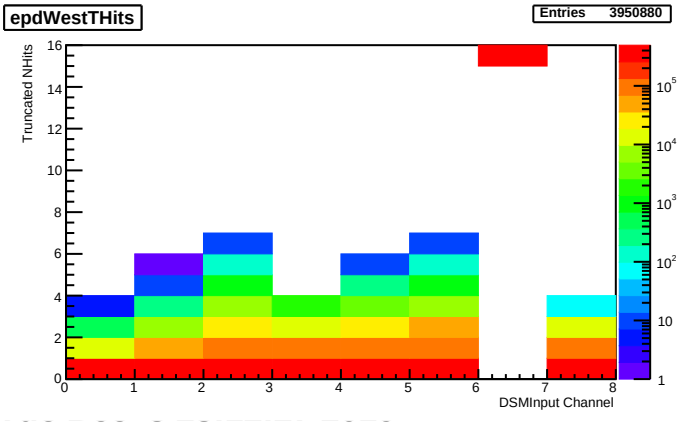
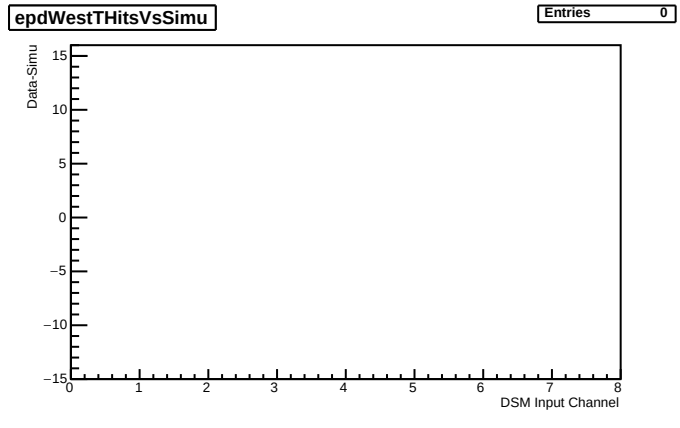
DSMInput Channel

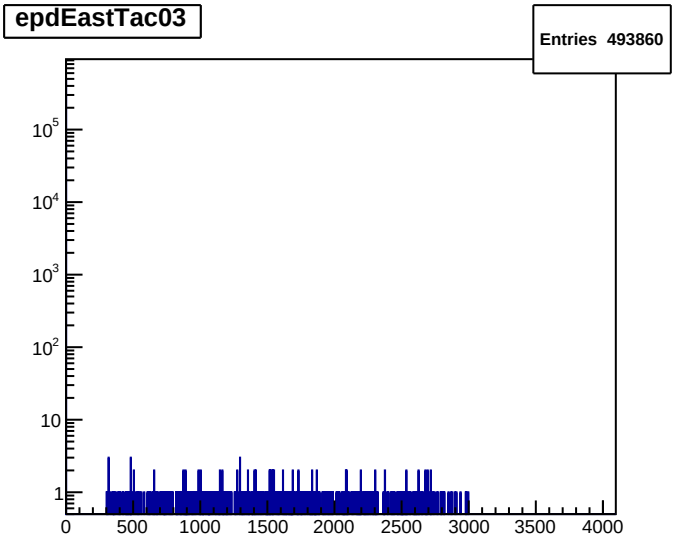

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 3950880
TAC
DSM Input Channel


epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3950880
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel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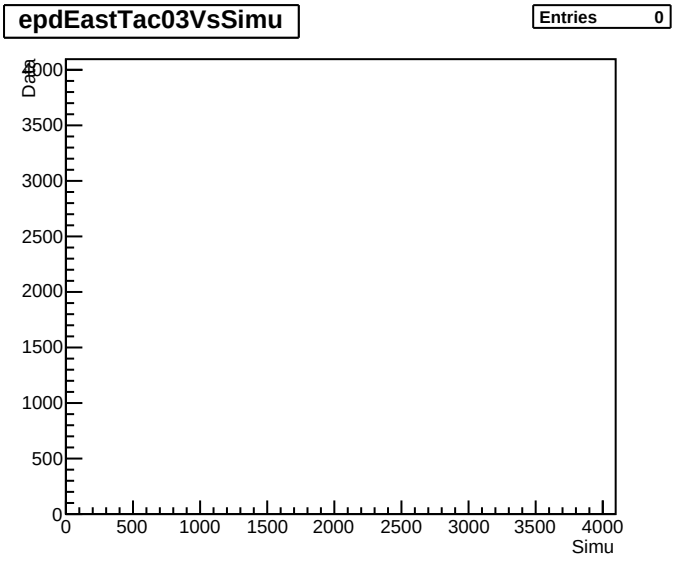
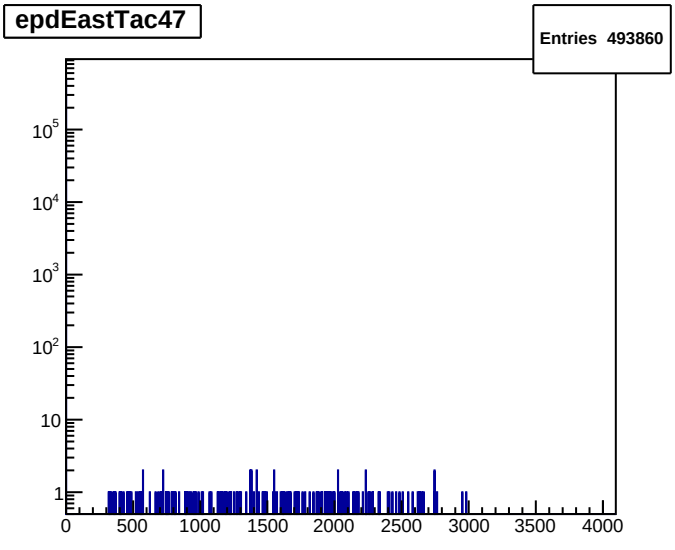
Entries 493860


epdEastTac03VsSimu
Entries 0
Data
Simu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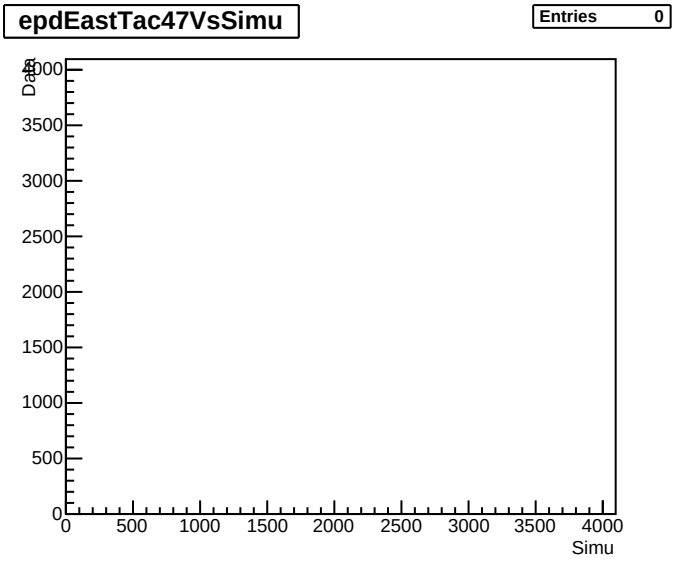
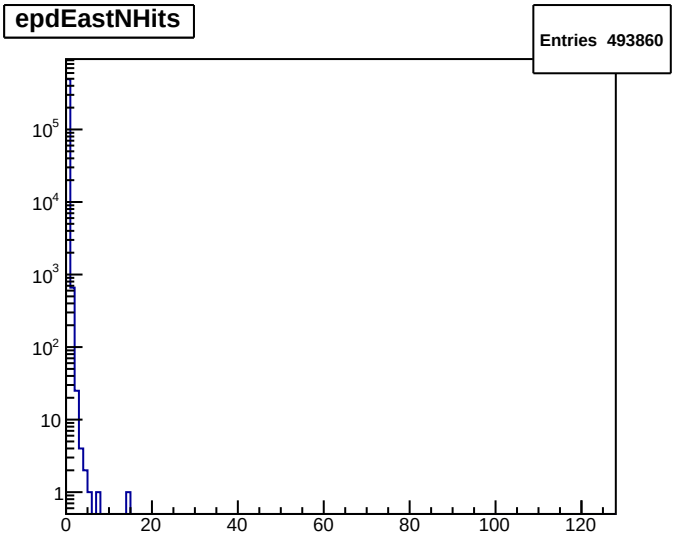
Entries 493860


epdEastTac47VsSimu
Entries 0
Data
Simu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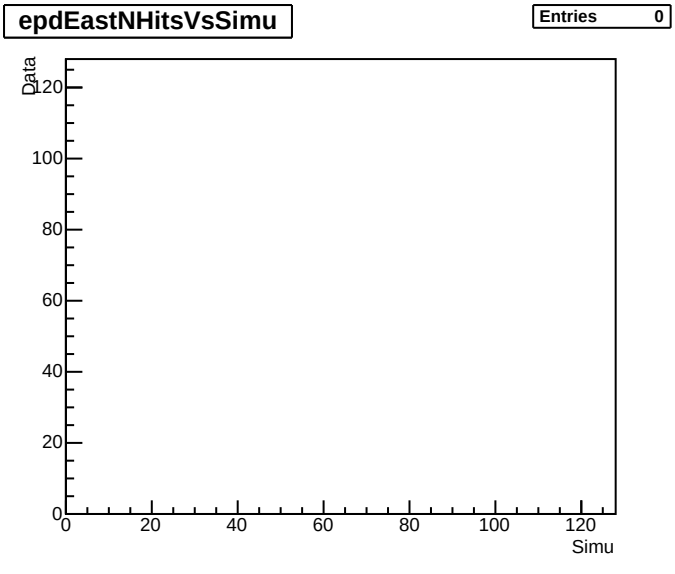
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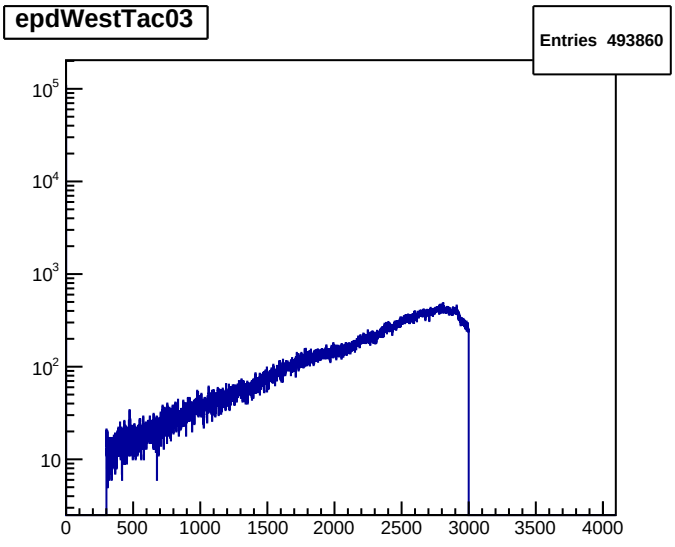
Entries 0
Data
Simu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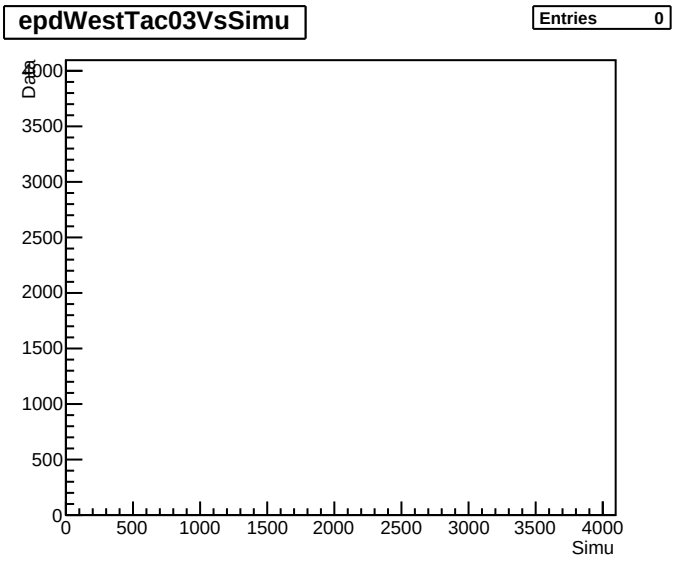
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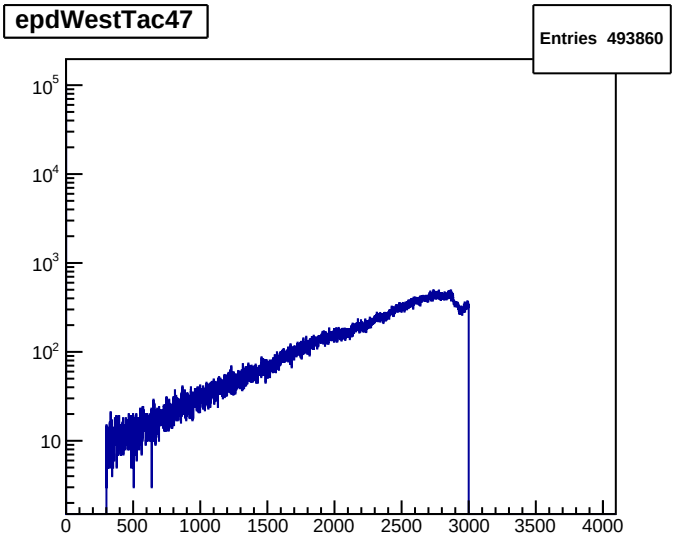
Entries 0
Data
Simu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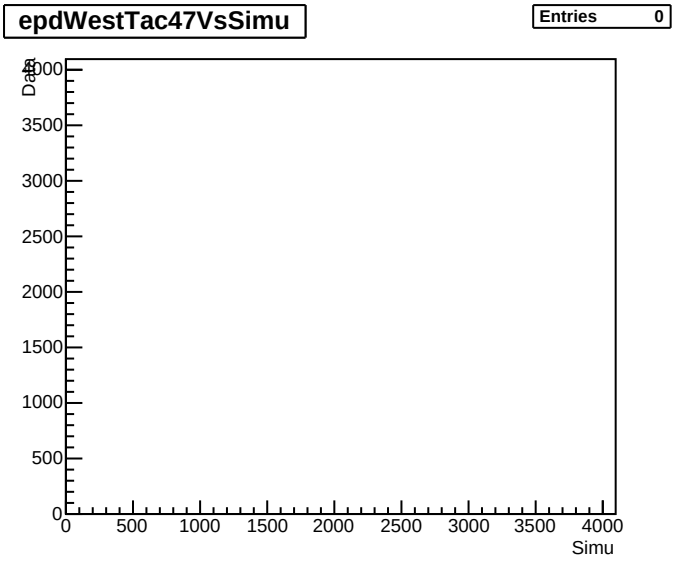
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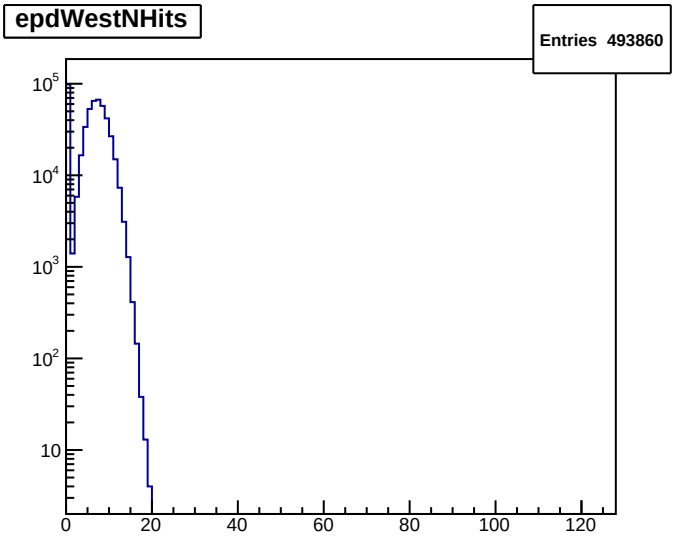
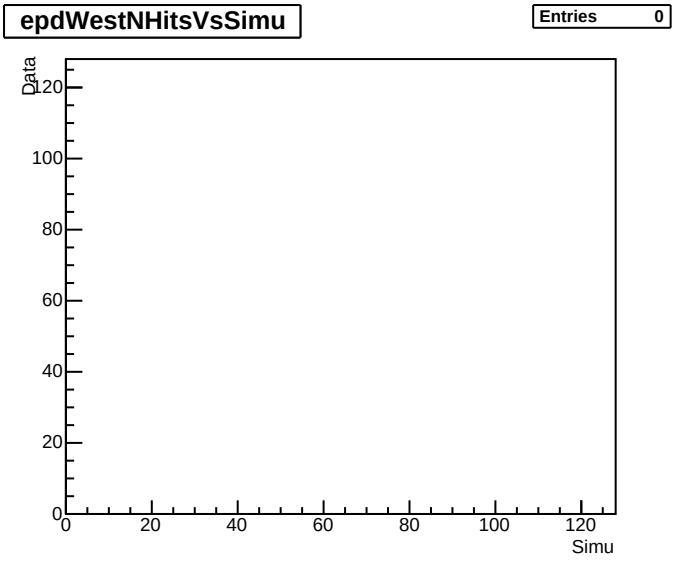
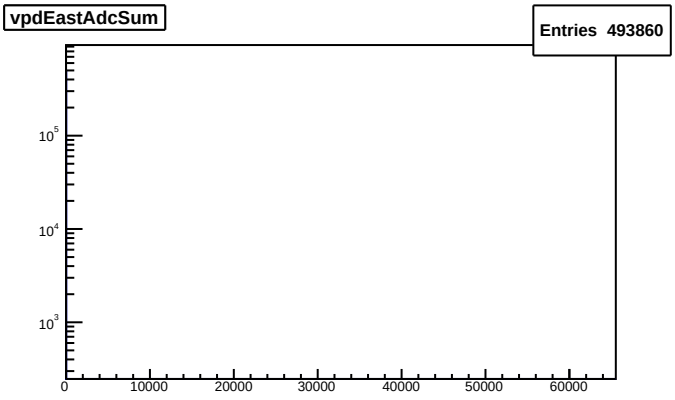

epdWestNHits
Entries 493860


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 493860
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10^4
10^3
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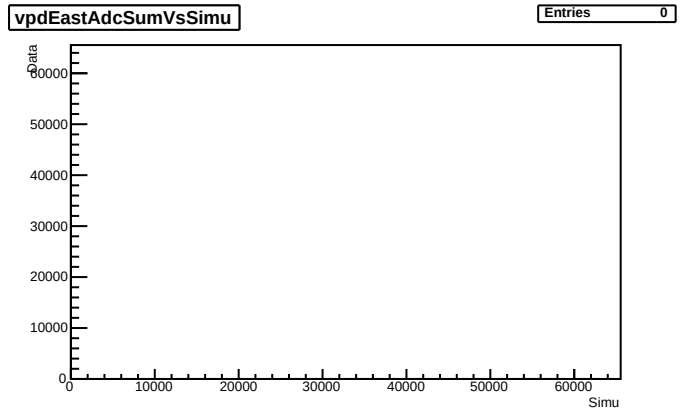
vpdEastAdcSumVsSimu
Entries 0
Data
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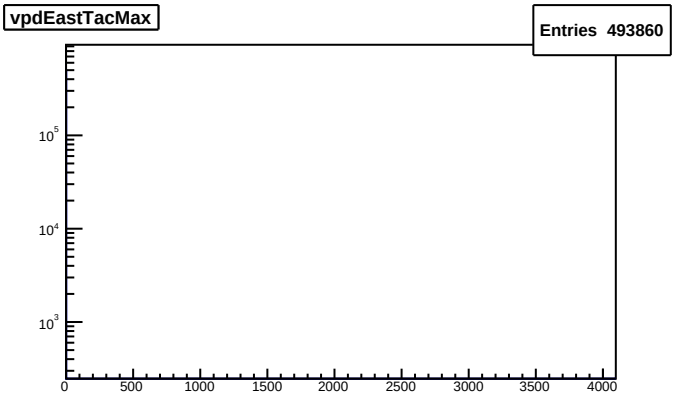
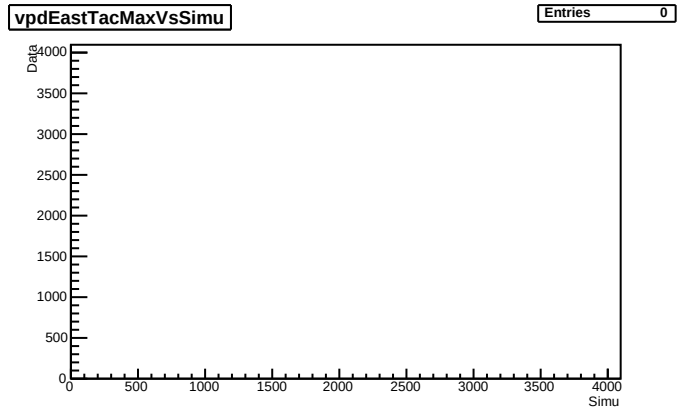
50000
40000
30000
20000
10000
0
0 10000 20000 30000 40000 50000 60000
Simu


vpdEastTacMax
Entries 493860
10^5
10^4
10^3
0 500 1000 1500 2000 2500 3000 3500 4000


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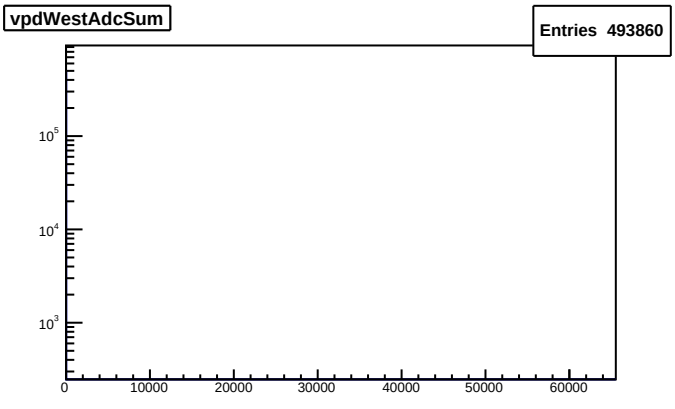
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


vpdWestAdcSum
Entries 493860
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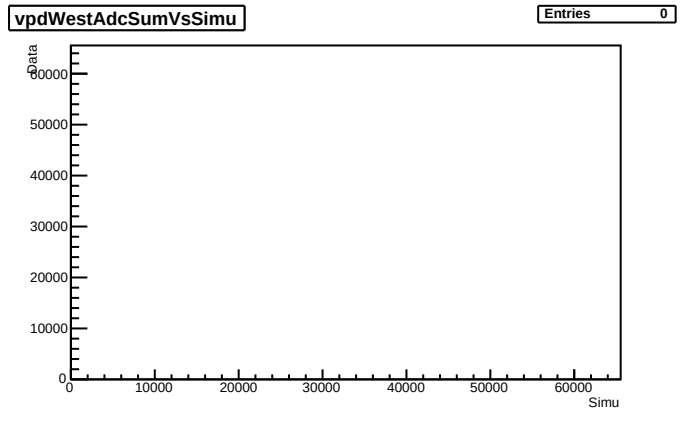
10^4
10^3
0 10000 20000 30000 40000 50000 60000


vpdWestAdcSumVsSimu
Entries 0
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30000
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10000
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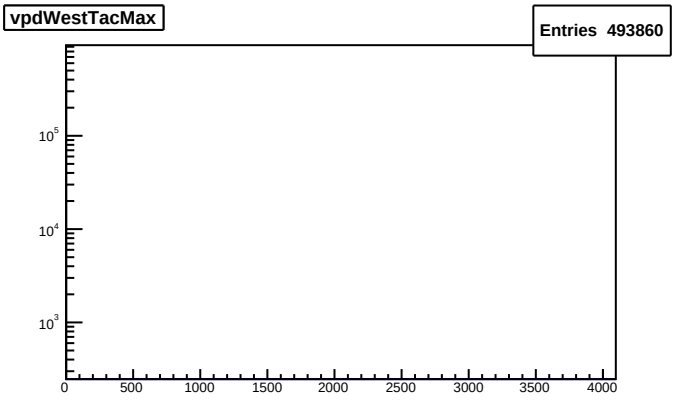
0 10000 20000 30000 40000 50000 60000
Simu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Entries 493860
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10^4
10^3
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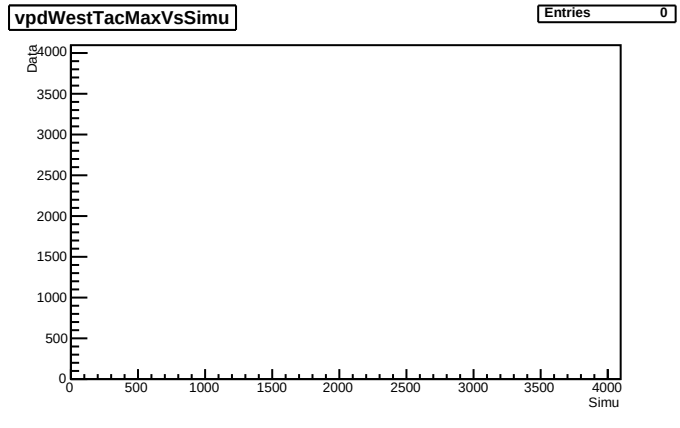
vpdWestTacMaxVsSimu
Entries 0
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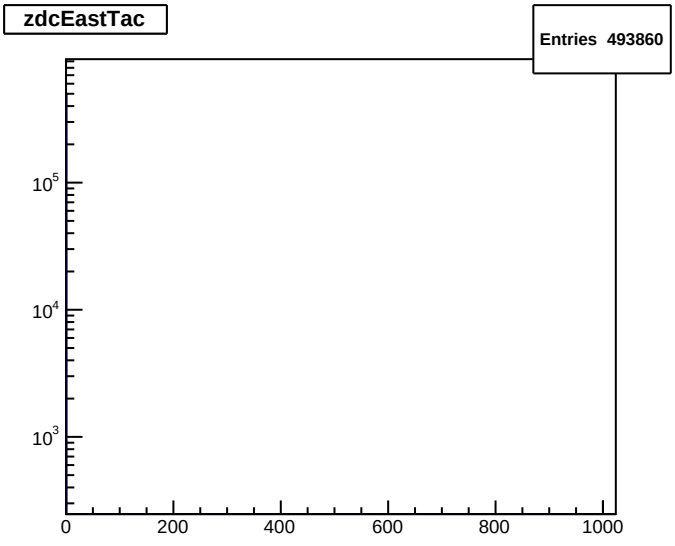
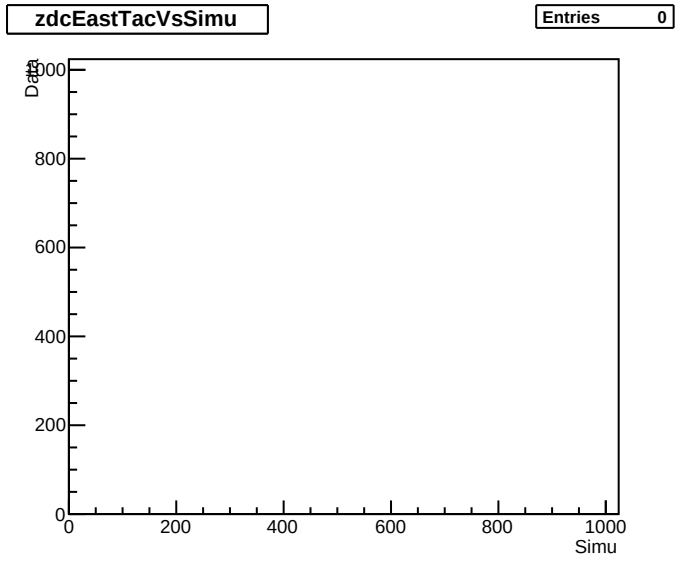
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


zdcEastTac
Entries 493860
10^5
10^4
10^3
0
200
400
600
800
1000


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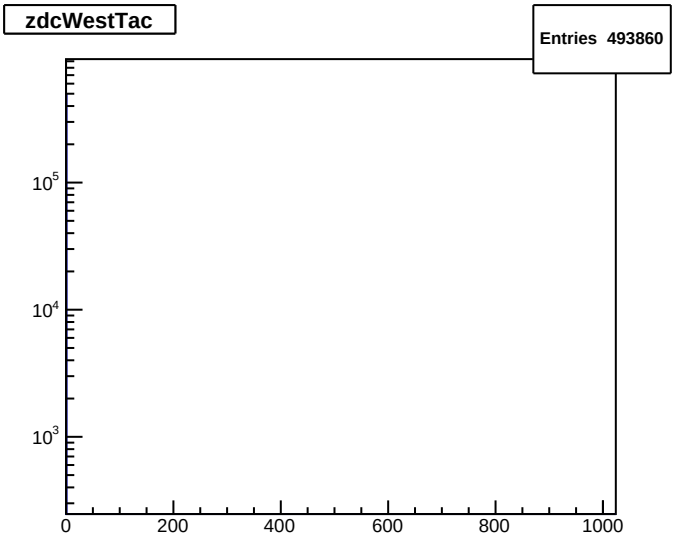
800
600
400
200
0
0
200
400
600
800
1000
Simu


zdcWestTac
Entries 493860
10^5
10^4
10^3
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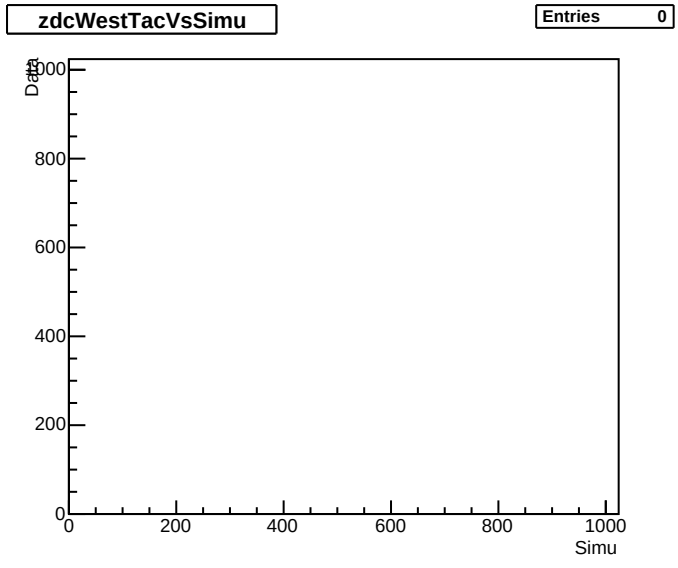
400
600
800
1000


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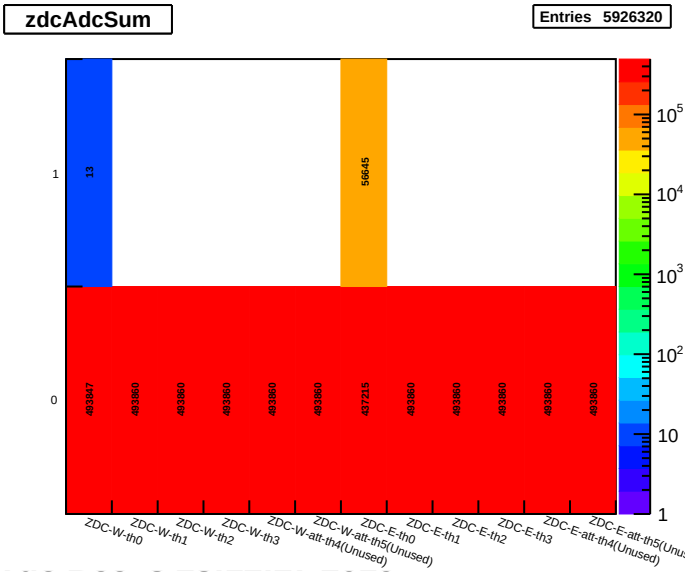
600
800
1000
Simu


zdcAdcSum
Entries 5926320
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493860
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437215
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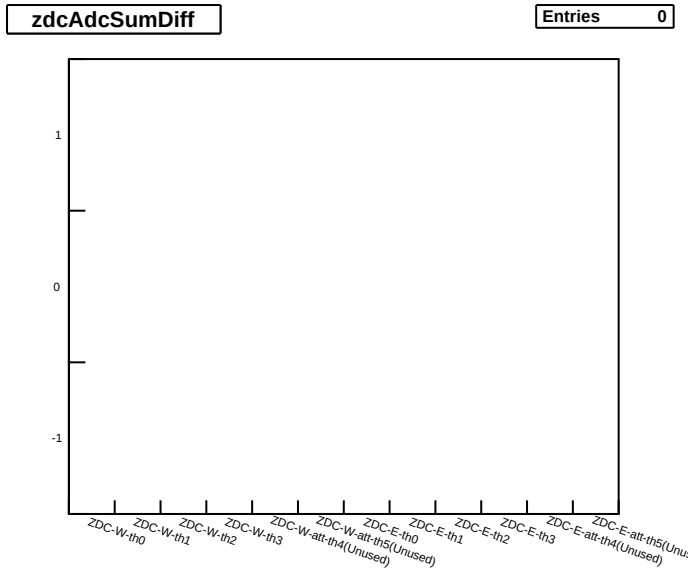
493860
493860
493860
493860
10^5
10^4
10^3
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu


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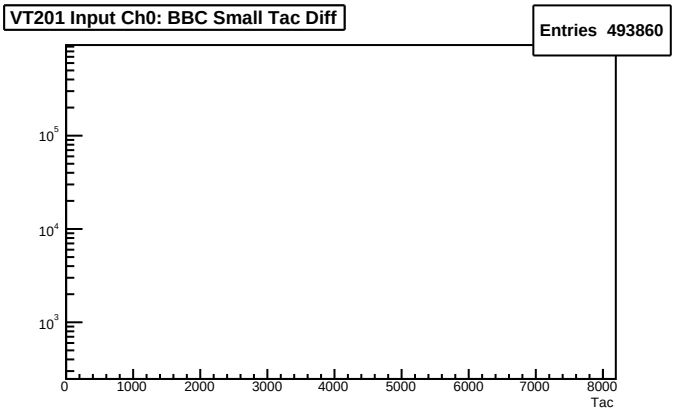
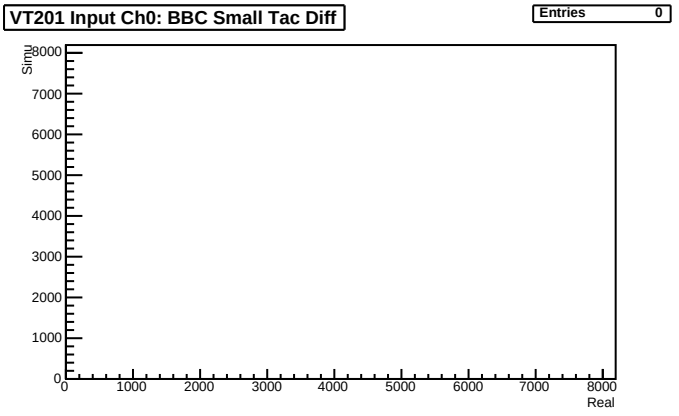
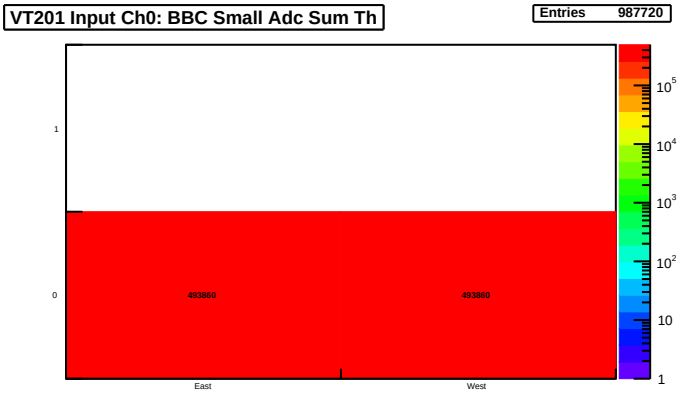
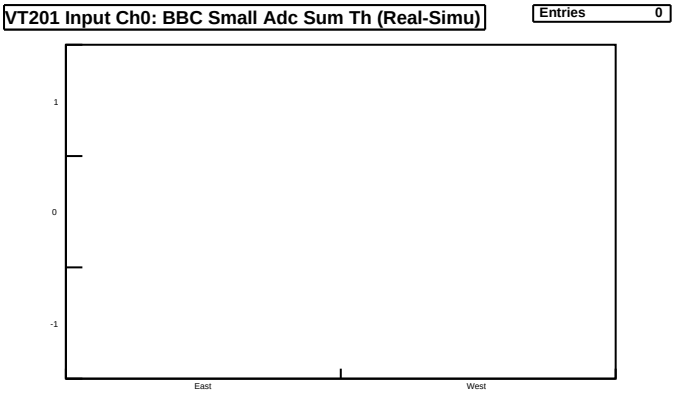
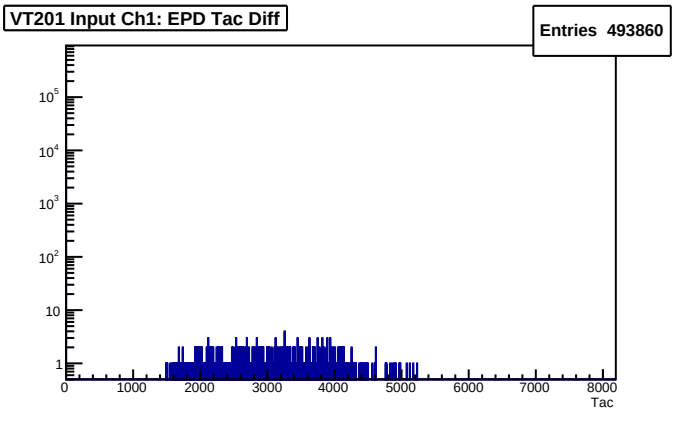
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

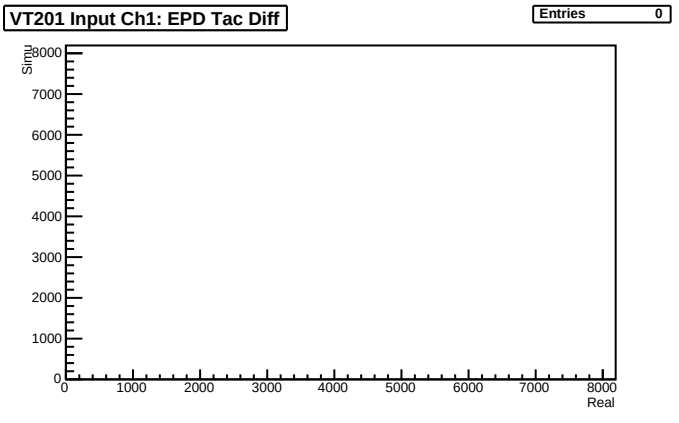

VT201 Input Ch0: BBC Small Tac Diff
Entries 493860
Tac

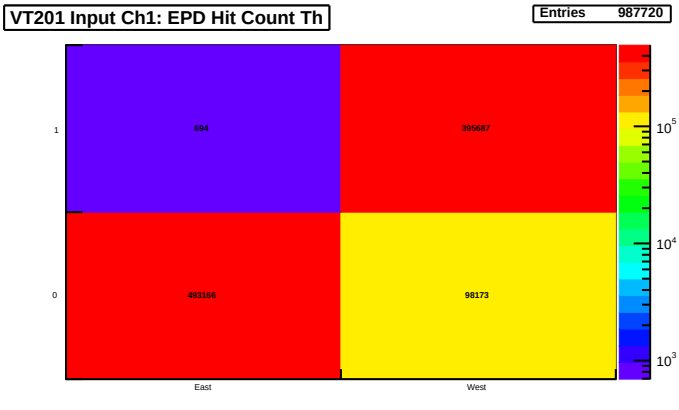

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

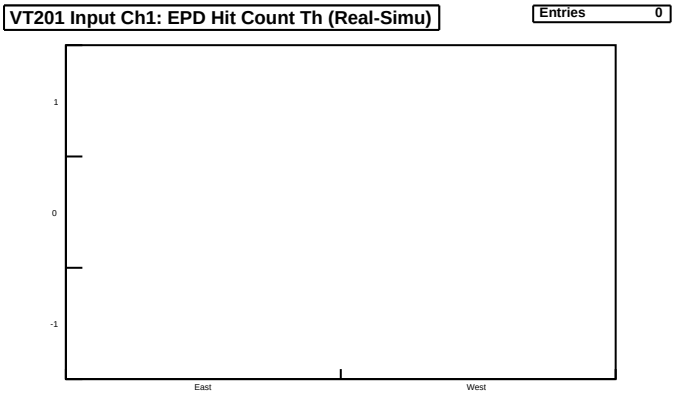

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 987720
493860
493860
East
West

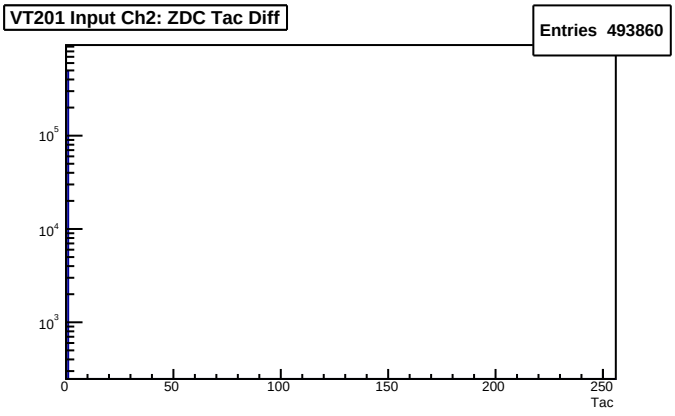

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

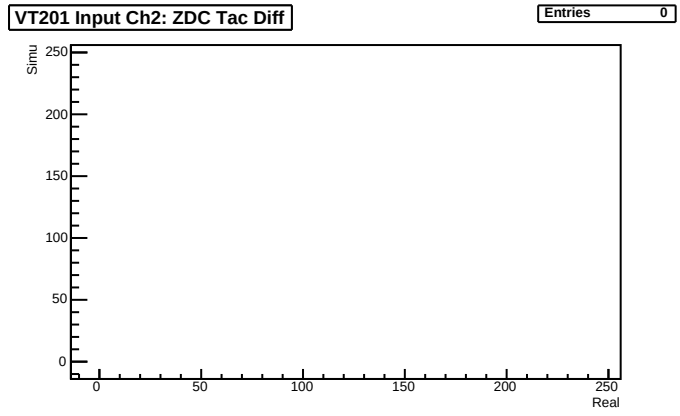

VT201 Input Ch1: EPD Tac Diff
Entries 493860
Tac

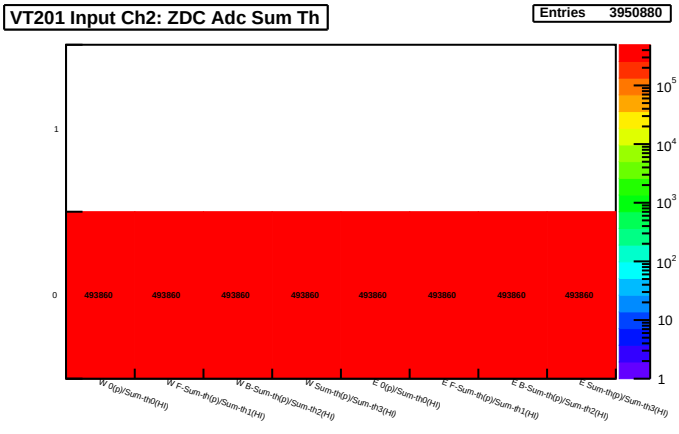

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

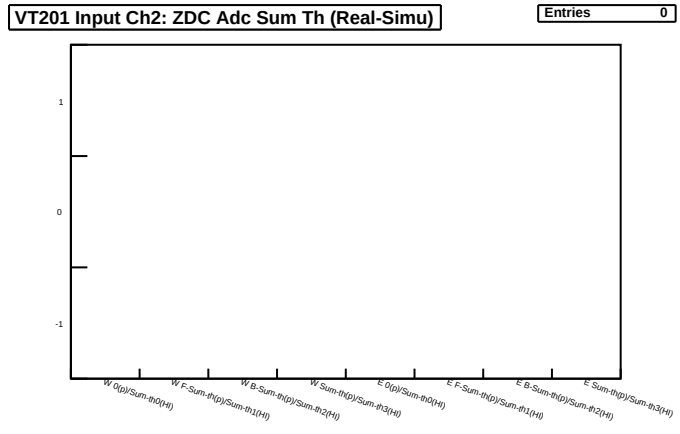

VT201 Input Ch1: EPD Hit Count Th
Entries 987720
694
395687
493166
98173
East
West

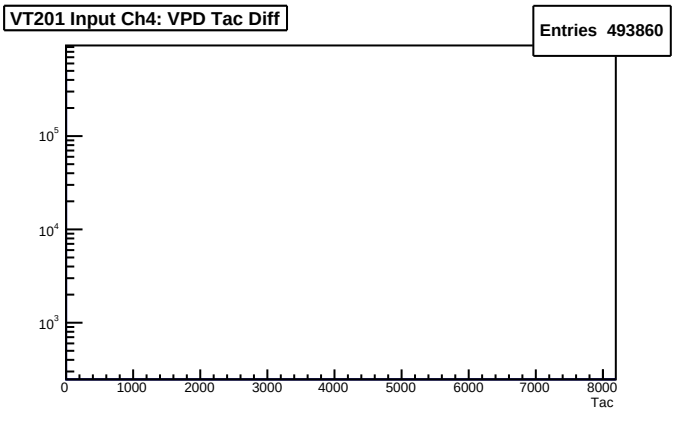

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

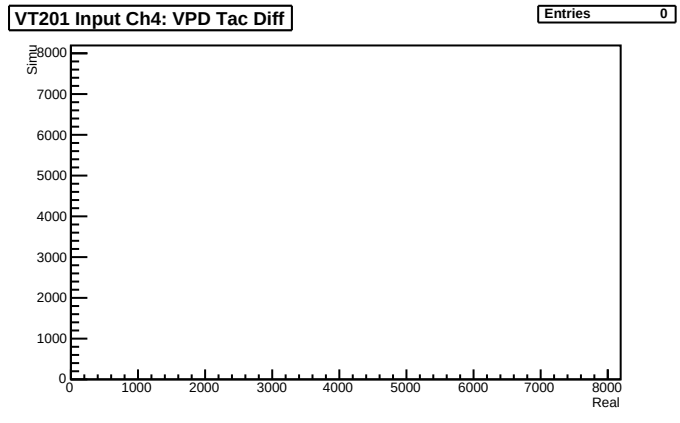

VT201 Input Ch2: ZDC Tac Diff
Entries 493860
Tac

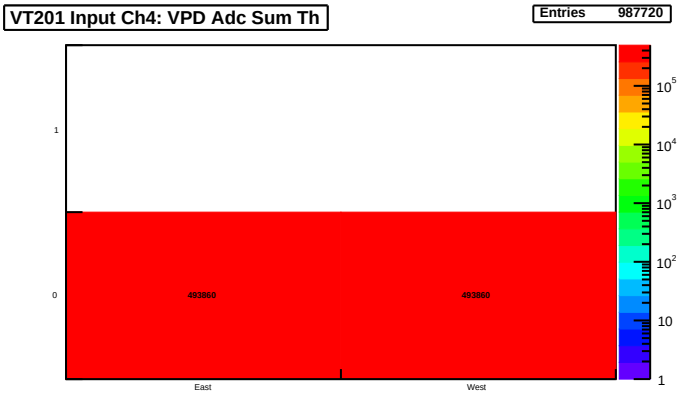

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

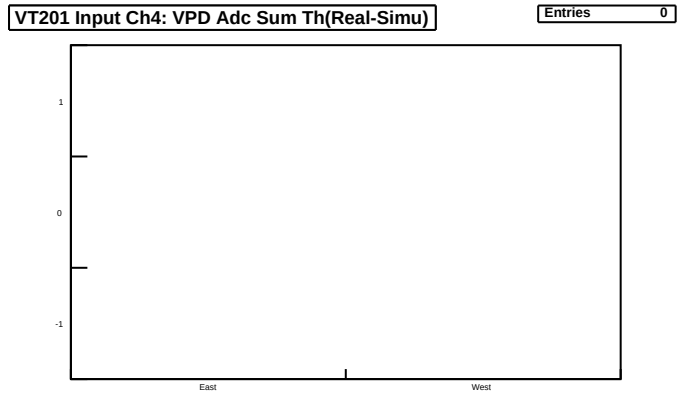

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3950880
493860
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

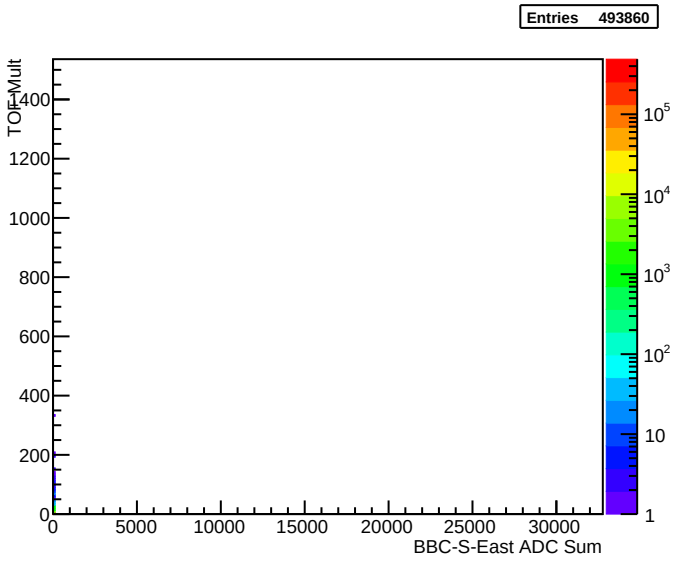

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

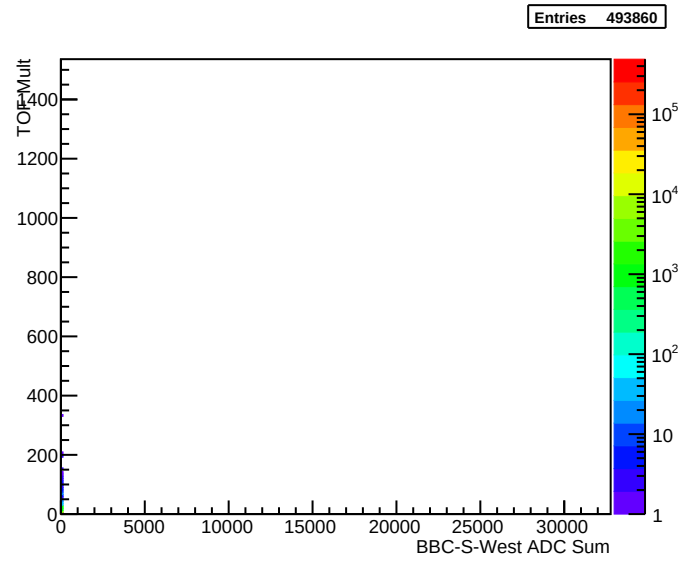

VT201 Input Ch4: VPD Tac Diff
Entries 493860
Tac

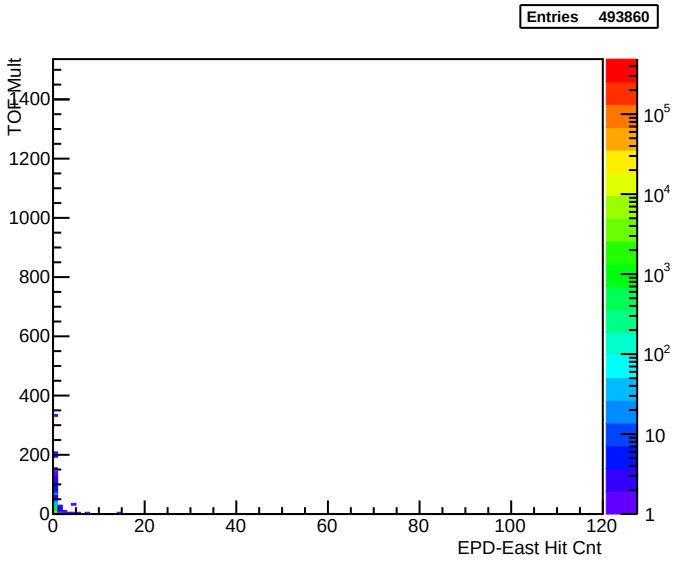

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

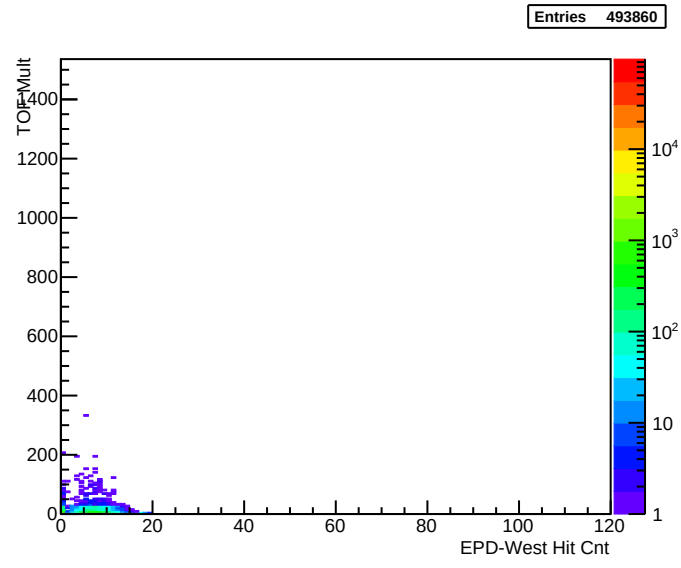

VT201 Input Ch4: VPD Adc Sum Th
Entries 987720
493860
493860
East
West

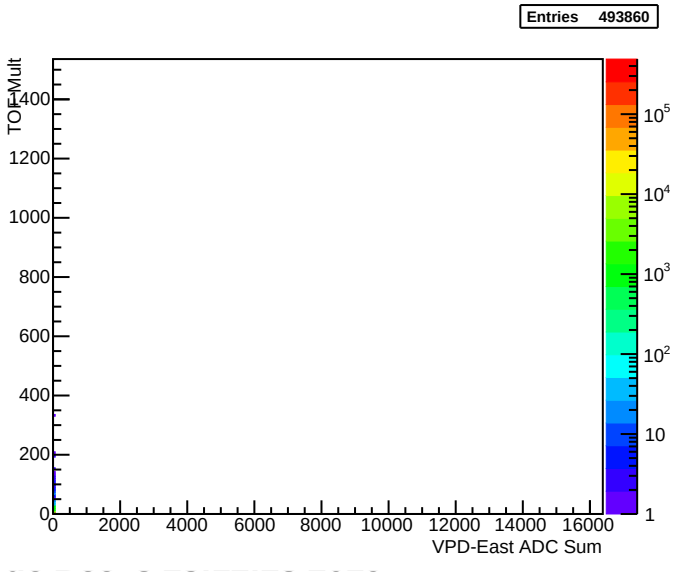

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

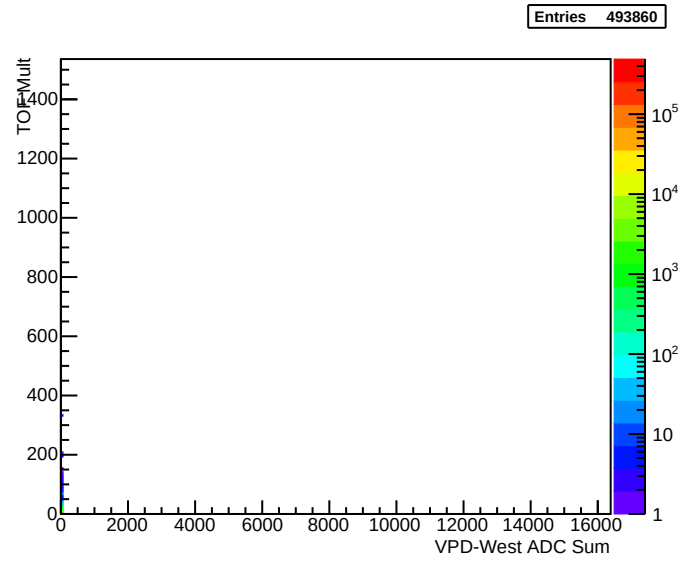

Entries 493860
TOF-Mult
BBC-S-East ADC Sum

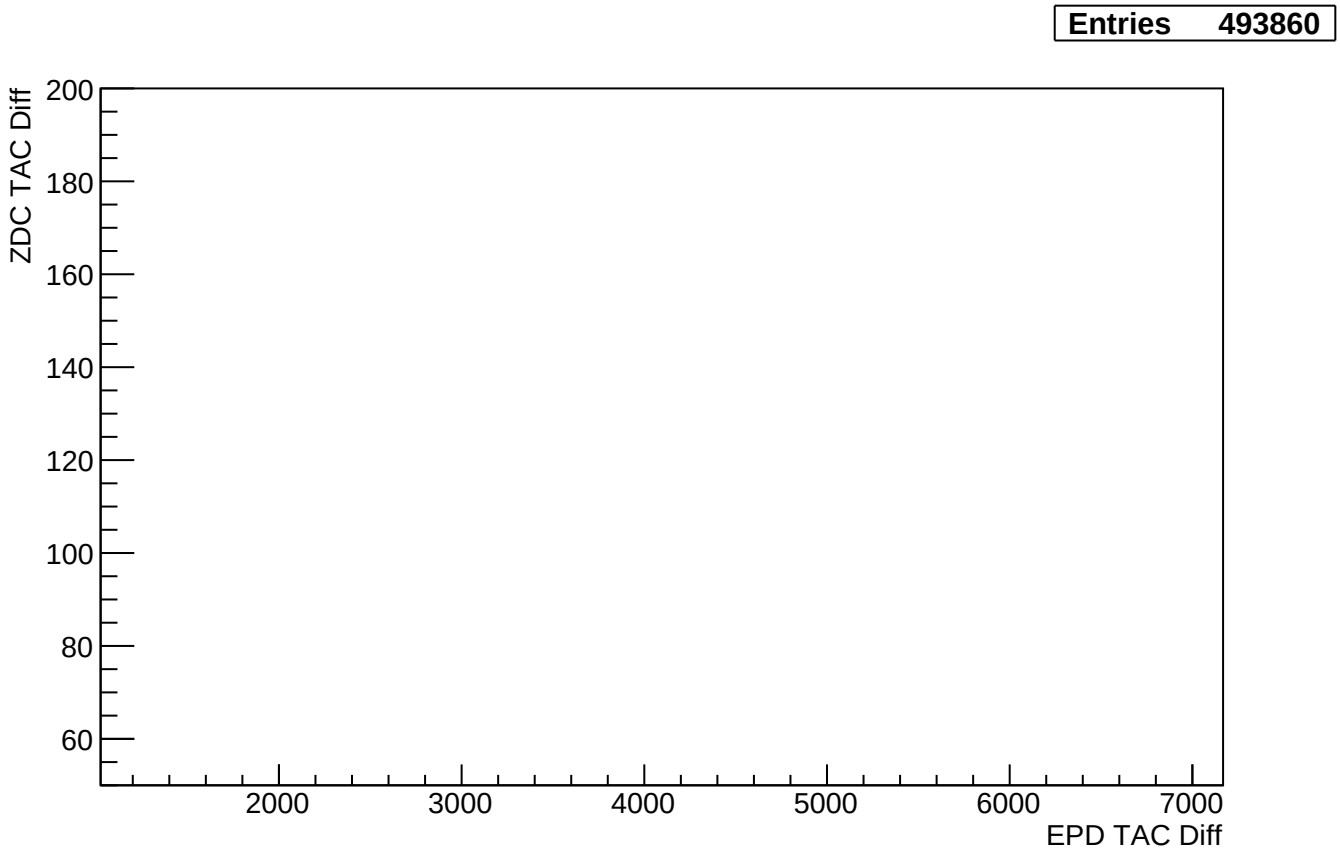

Entries 493860
TOF-Mult
BBC-S-West ADC Sum

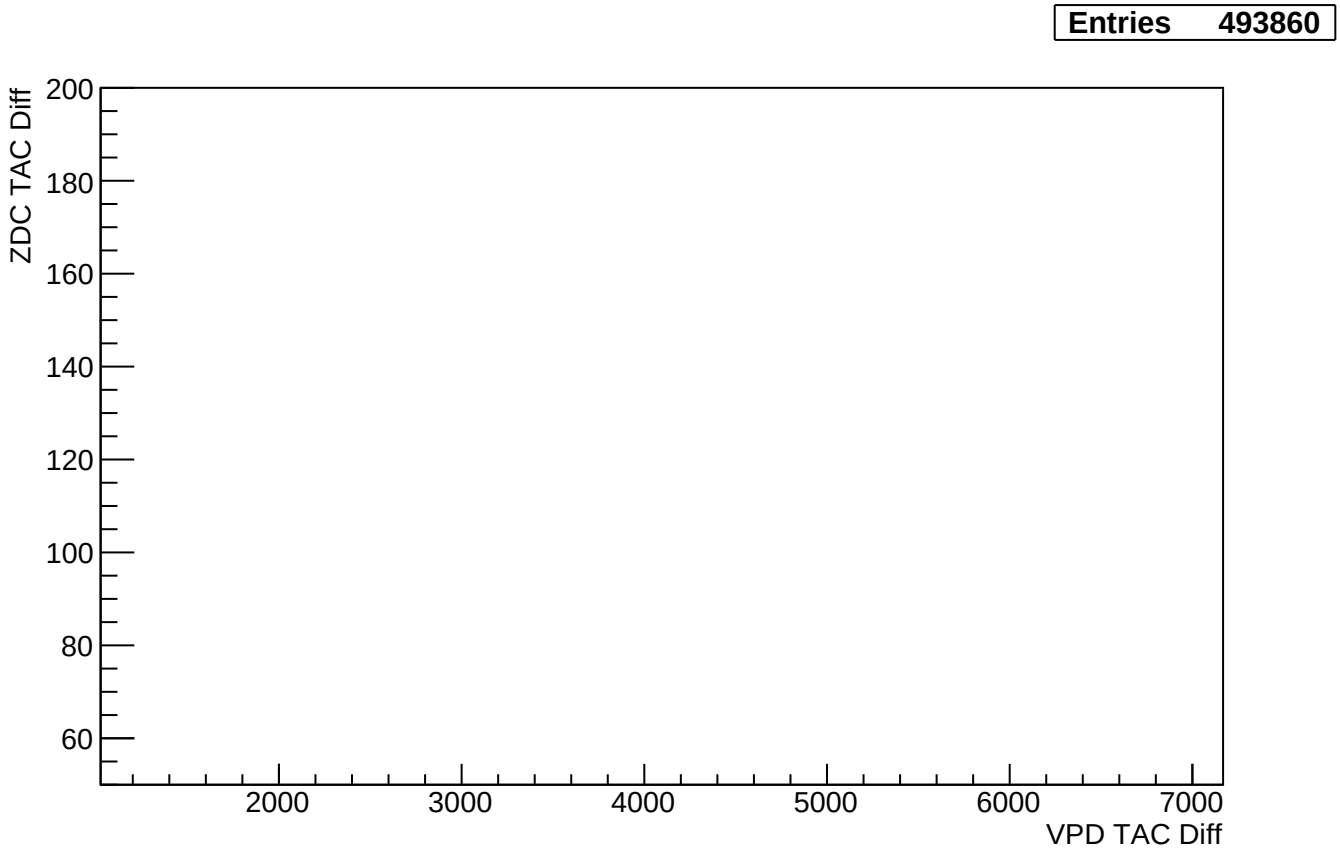

Entries 493860
TOF-Mult
EPD-East Hit Cnt

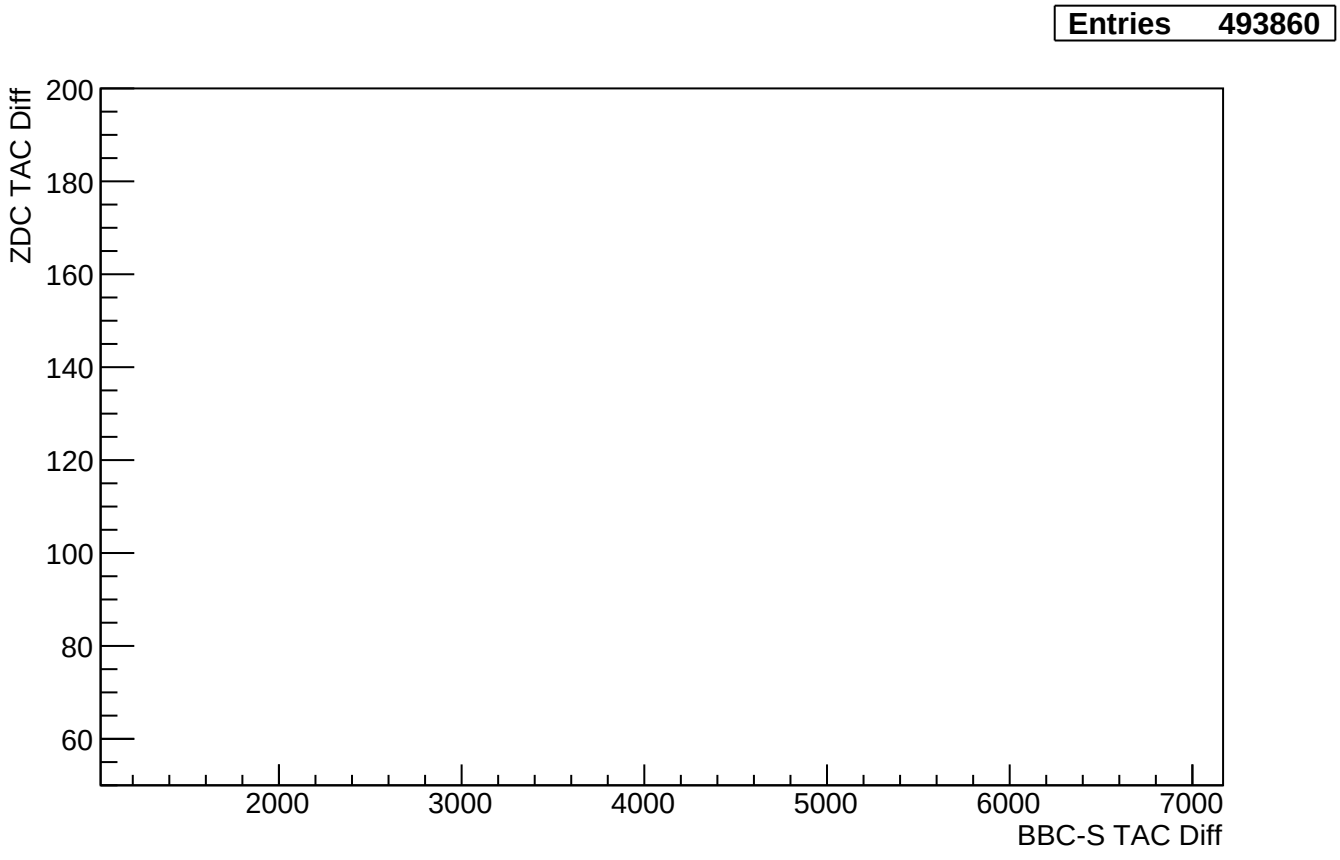

Entries 493860
TOF-Mult
EPD-West Hit Cnt

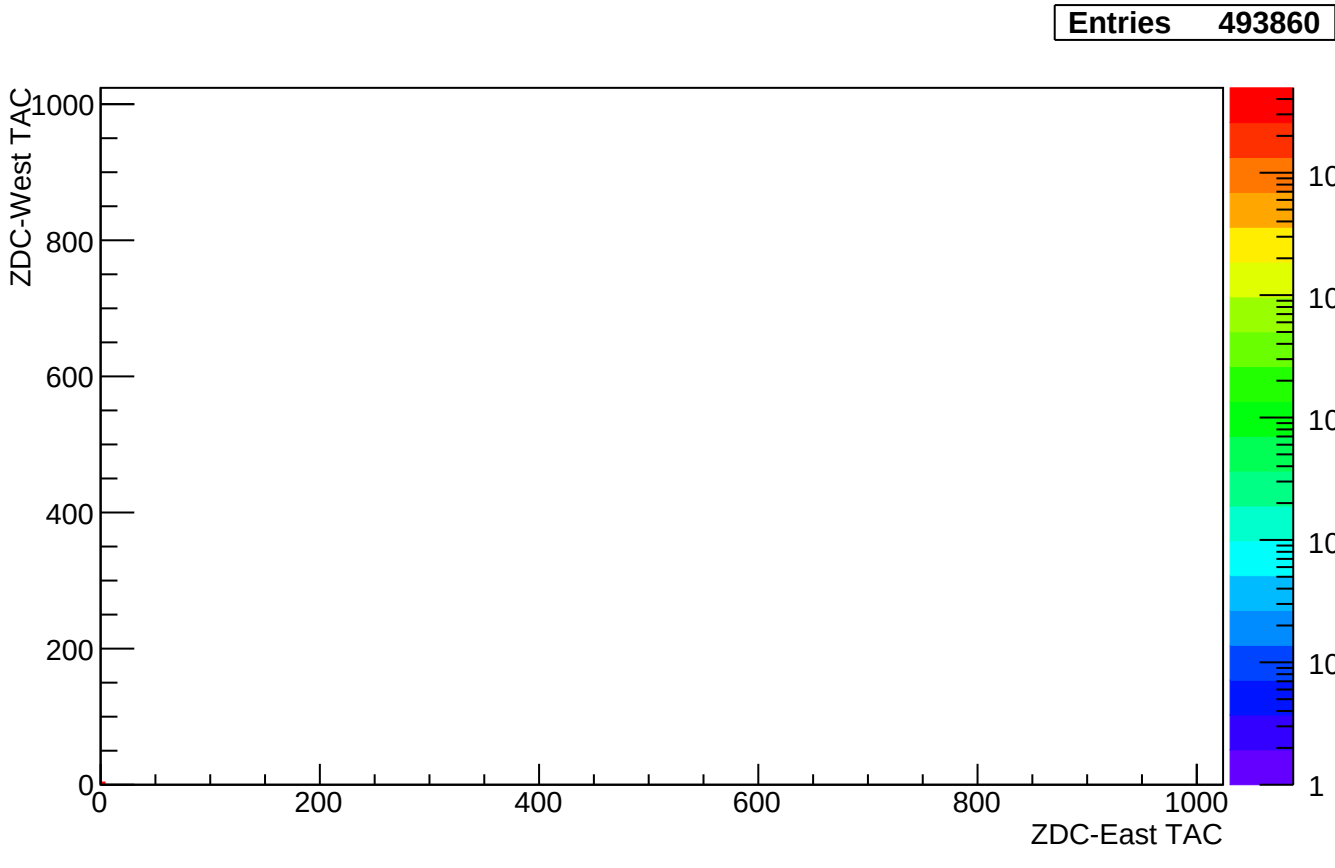

Entries 493860
TOF-Mult
VPD-East ADC Sum

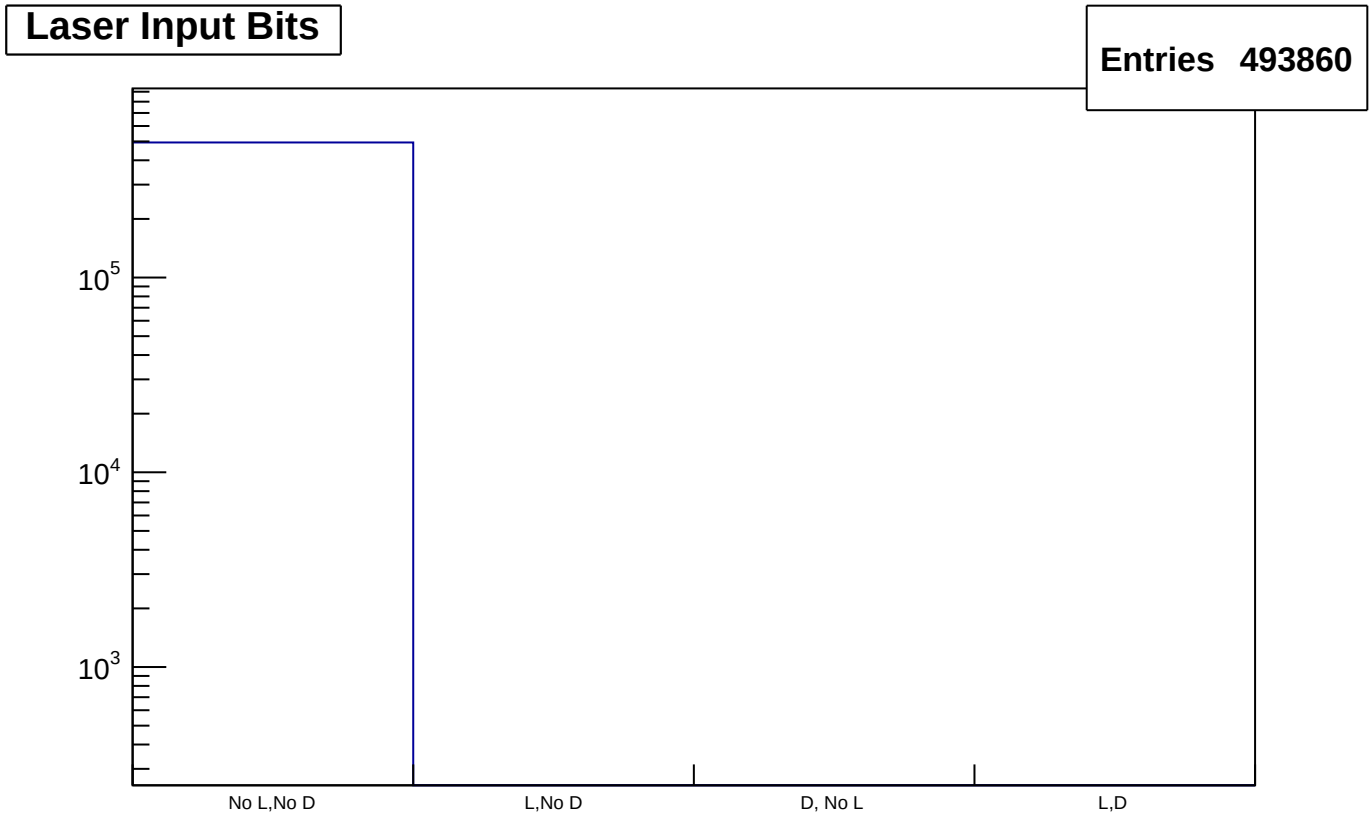

Entries 493860
TOF-Mult
VPD-West ADC Sum

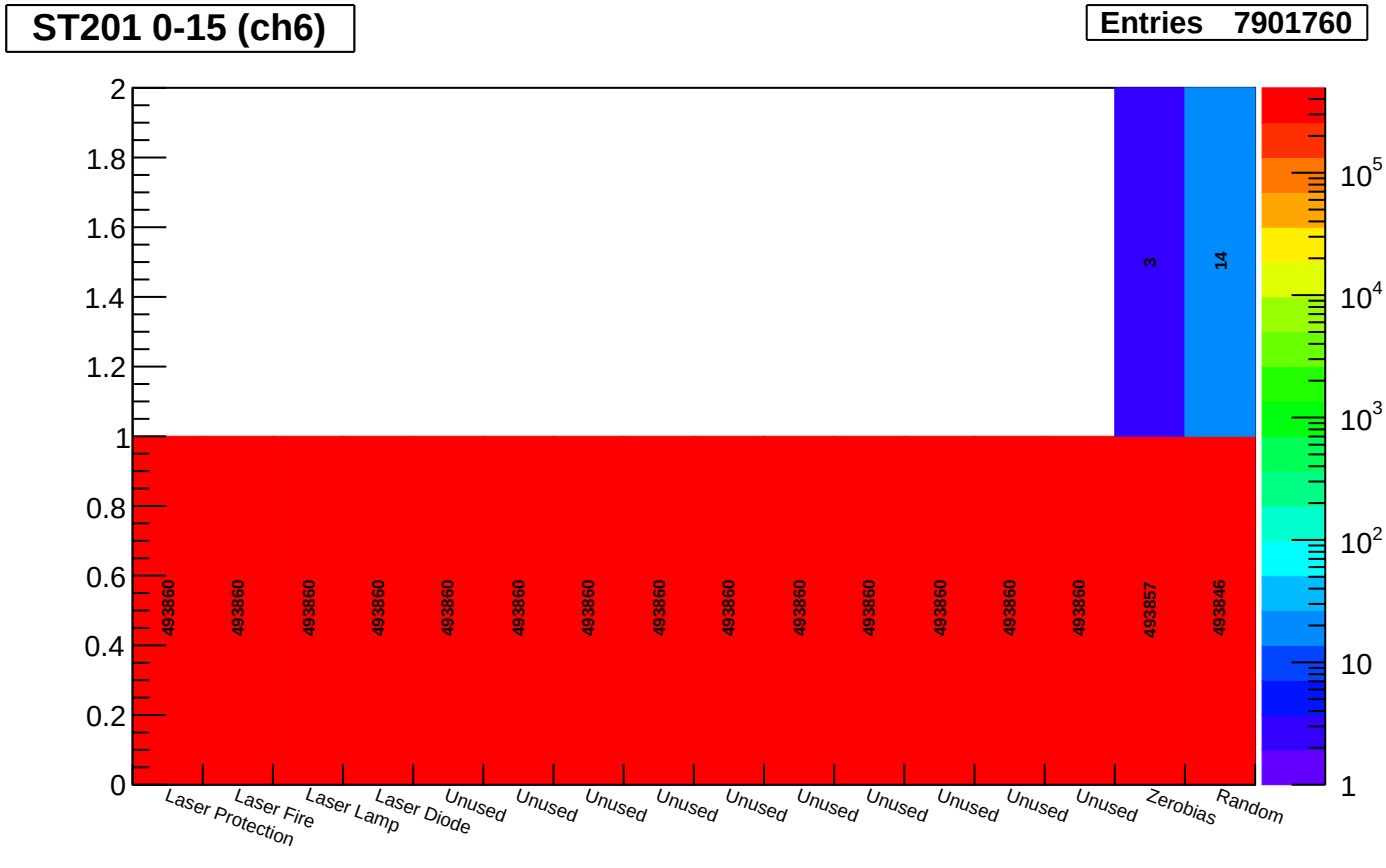

Entries 493860
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff

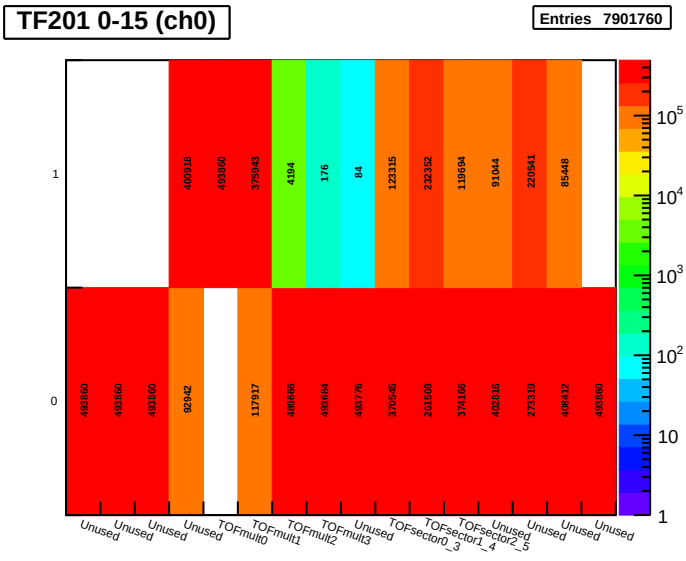

Entries 493860
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff

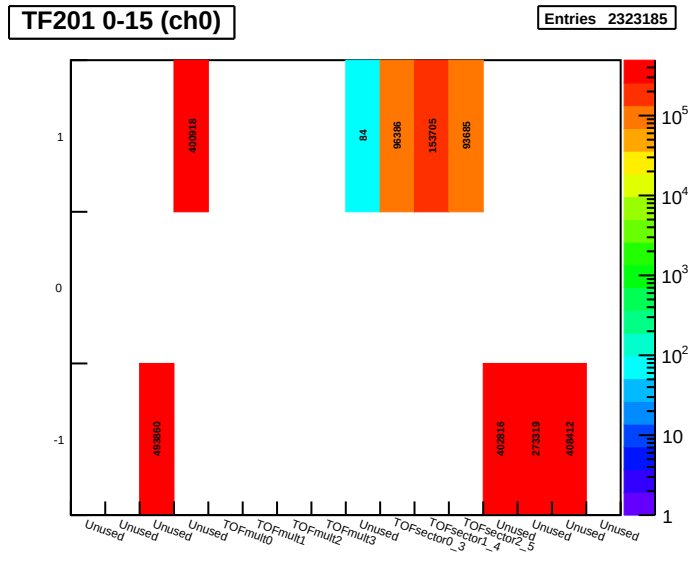

Entries 493860
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff

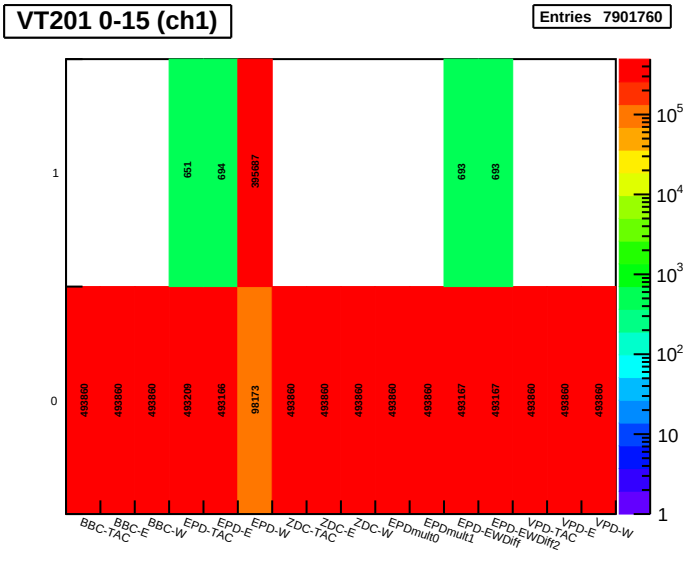

Entries 493860
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

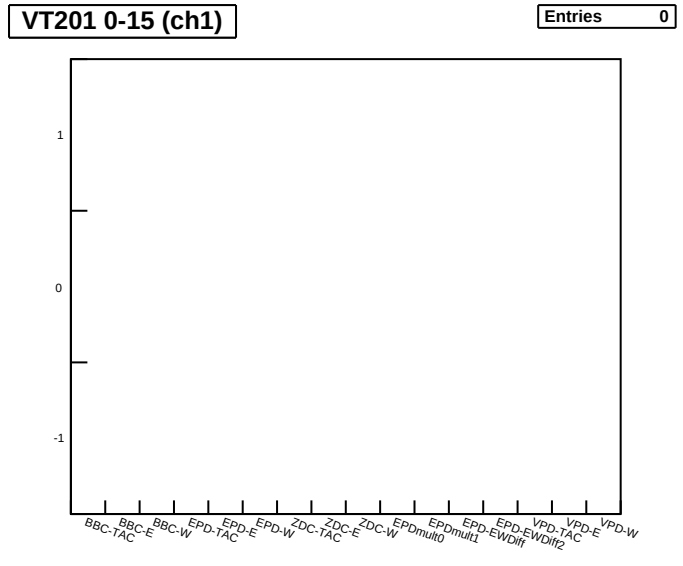

Laser Input Bits
Entries 493860
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

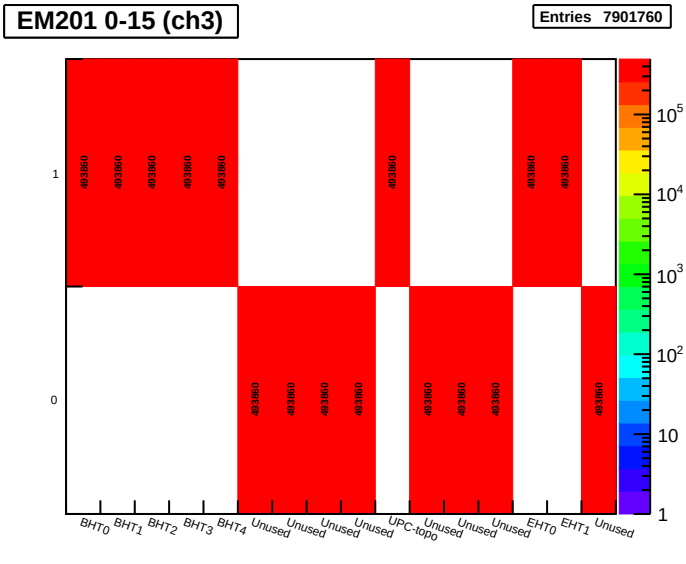

ST201 0-15 (ch6)
Entries 7901760
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
493860
493860
493860
493860
493860
493860
493860
493860
493860
493860
493860
493860
493860
493860
493857
493846
3
14
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

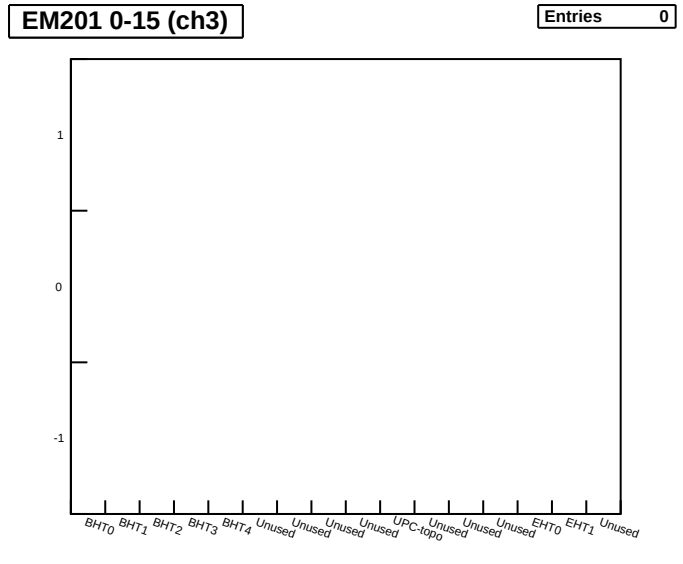

TF201 0-15 (ch0)
Entries 7901760
400918 493860 375943 4194 176 84 123315 232352 119694 91044 220541 85448
493860 493860 493860 92942 117917 489666 493684 493776 370545 261508 374166 402816 273319 408412 493860
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused


TF201 0-15 (ch0)
Entries 2323185
400918 84 96386 153705 93685
493860 402816 273319 408412
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused


VT201 0-15 (ch1)
Entries 7901760
651 694 395687 693 693
493860 493860 493860 493209 493166 98173 493860 493860 493860 493860 493860 493167 493167 493860 493860 493860
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


VT201 0-15 (ch1)
Entries 0
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 7901760
493860 493860 493860 493860 493860 493860 493860 493860
493860 493860 493860 493860 493860 493860 493860 493860
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused


EM201 0-15 (ch3)
Entries 0
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused