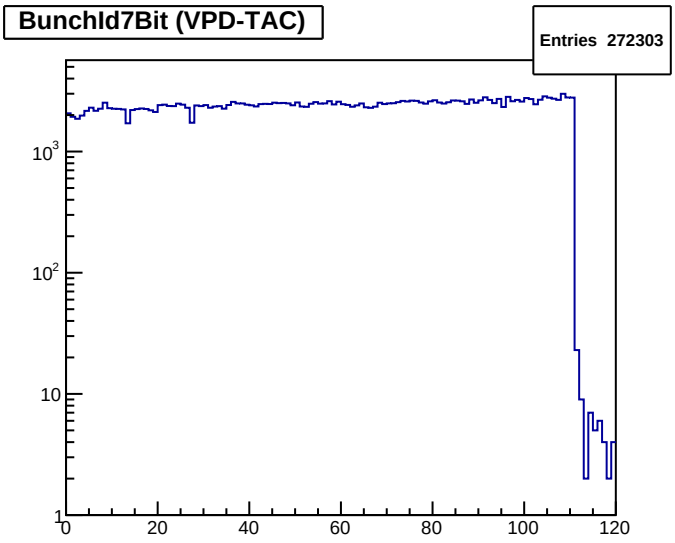
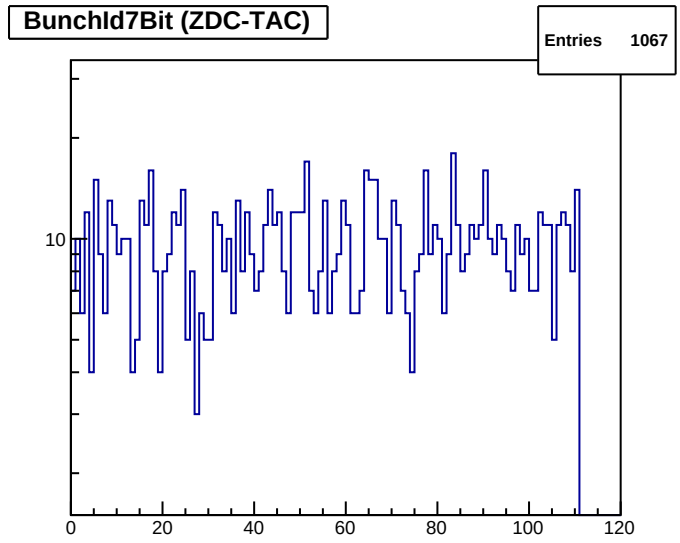
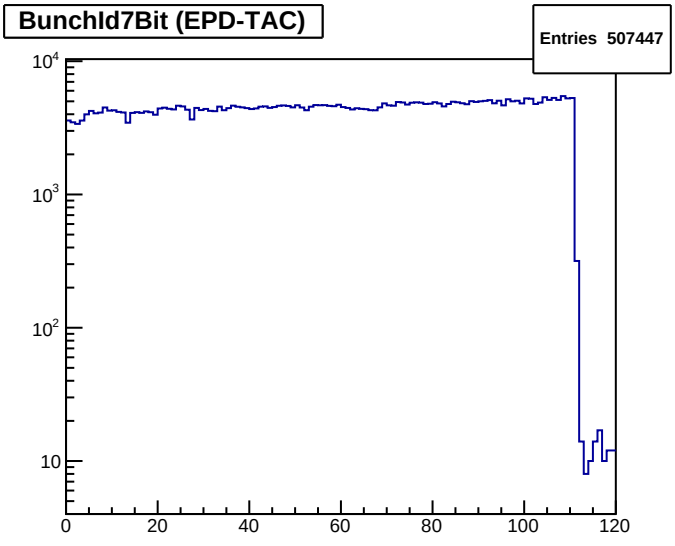
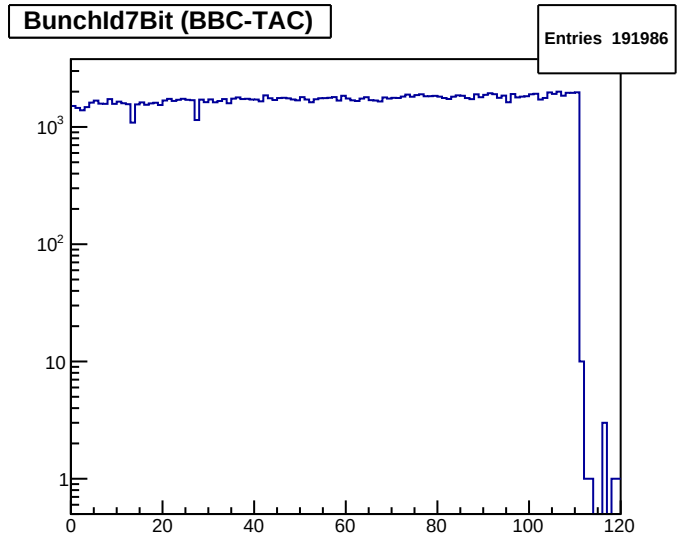
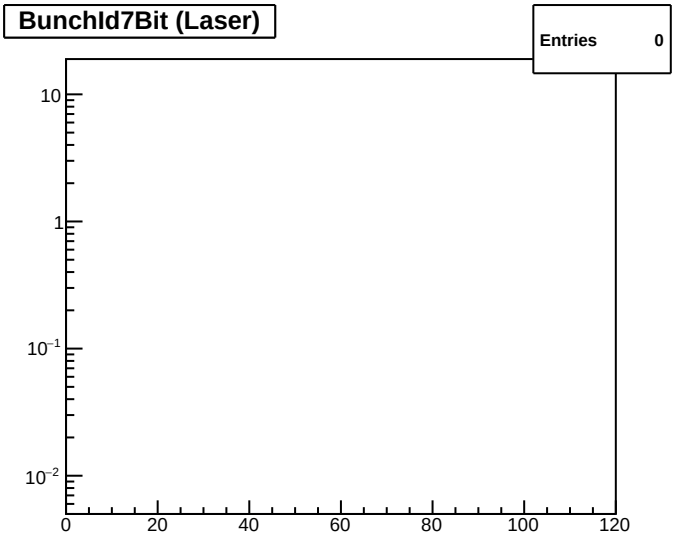
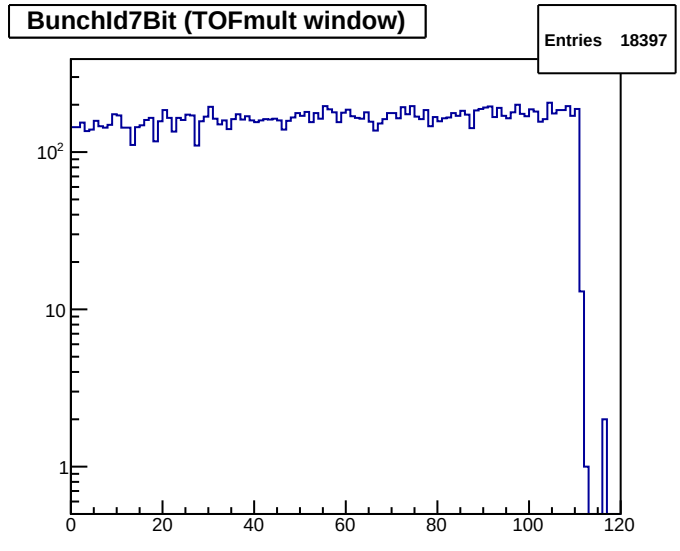

BunchId7Bit (VPD-TAC)
Entries 272303

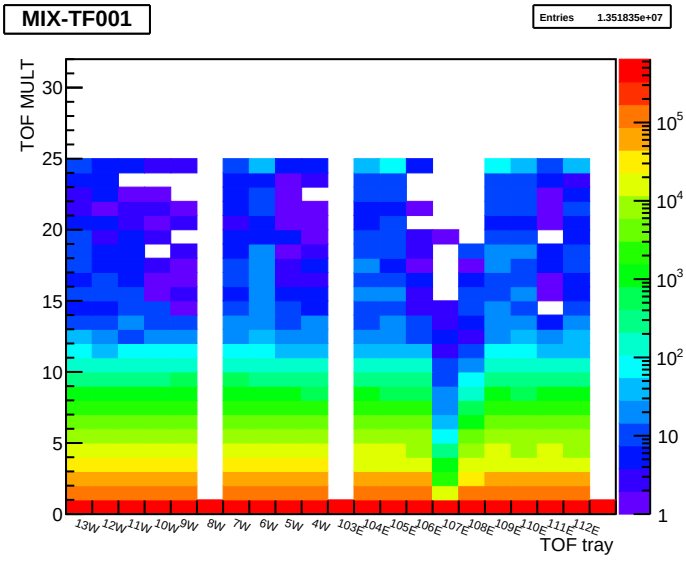

BunchId7Bit (ZDC-TAC)
Entries 1067

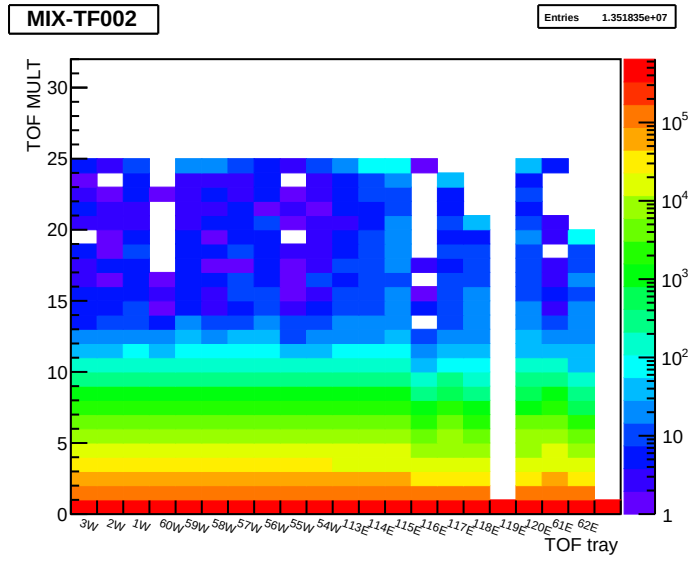

BunchId7Bit (EPD-TAC)
Entries 507447

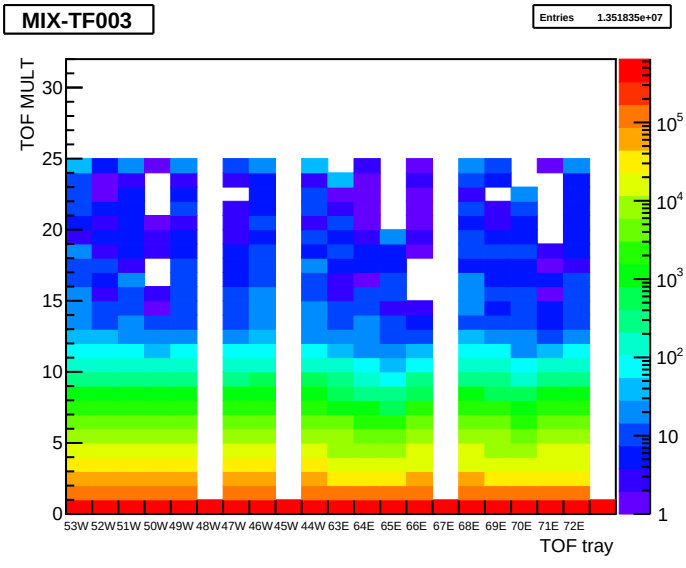

BunchId7Bit (BBC-TAC)
Entries 191986

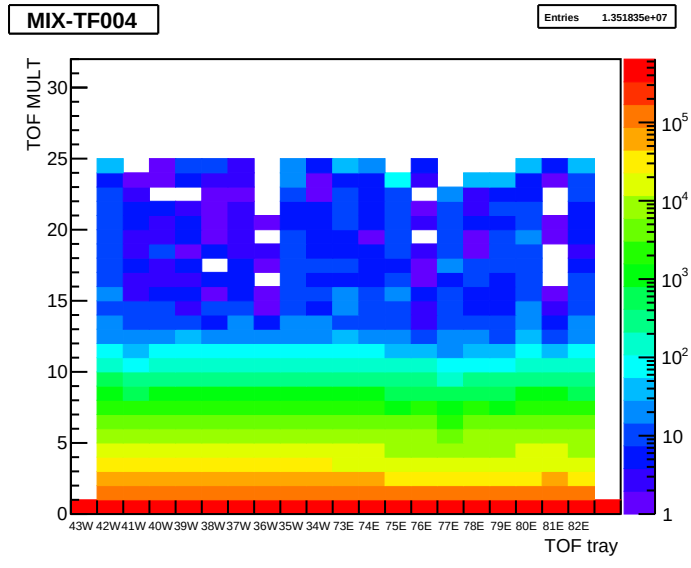

BunchId7Bit (Laser)
Entries 0

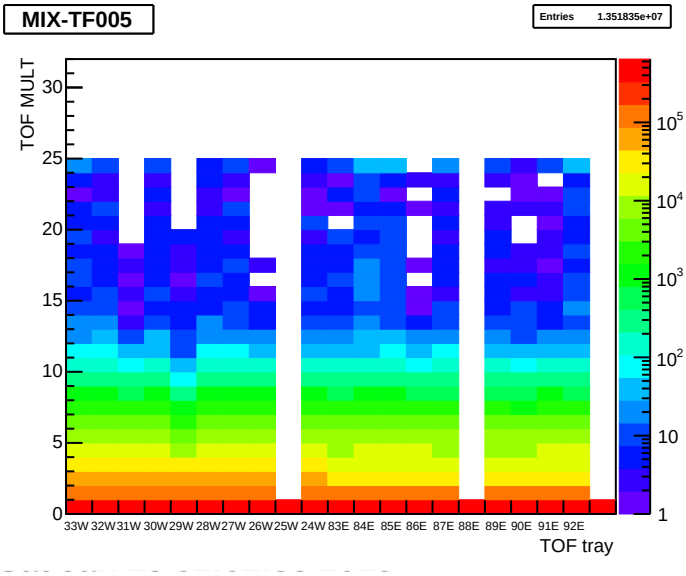

BunchId7Bit (TOFmult window)
Entries 18397

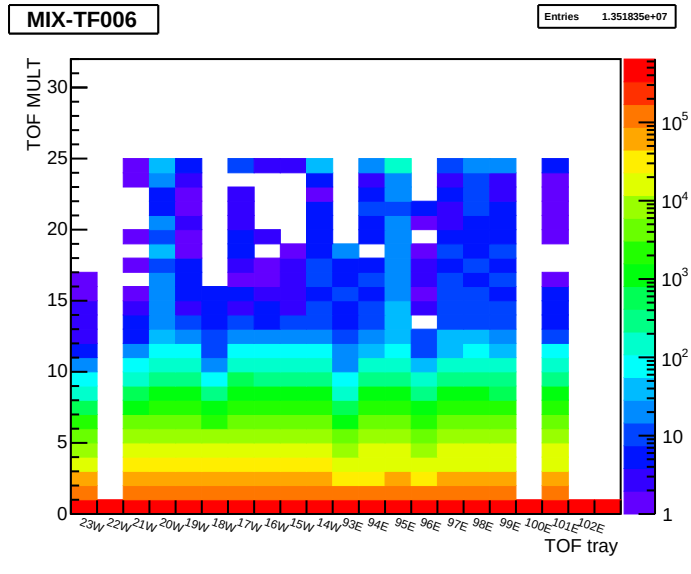

MIX-TF001
Entries 1.351835e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

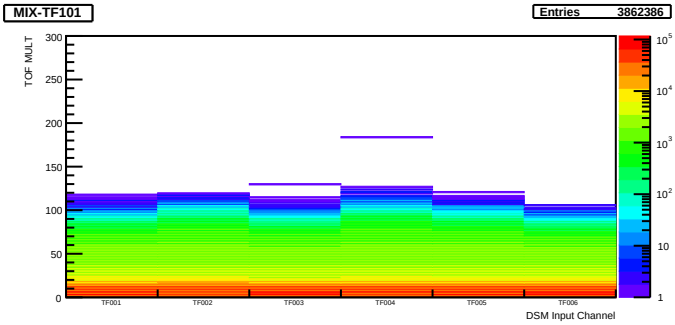

MIX-TF002
Entries 1.351835e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

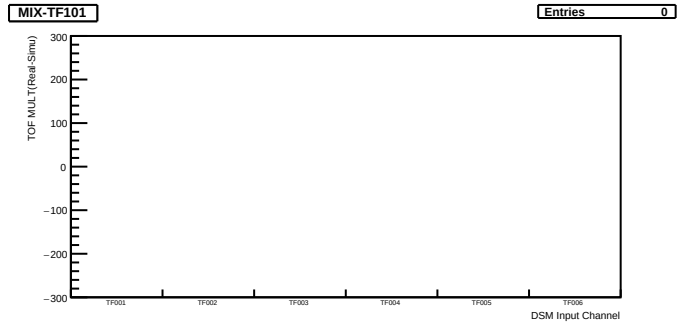

MIX-TF003
Entries 1.351835e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

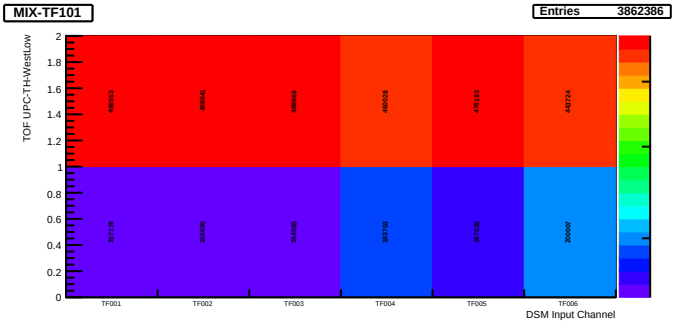

MIX-TF004
Entries 1.351835e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

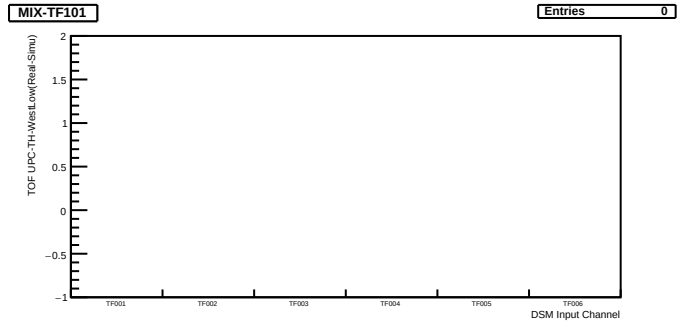

MIX-TF005
Entries 1.351835e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

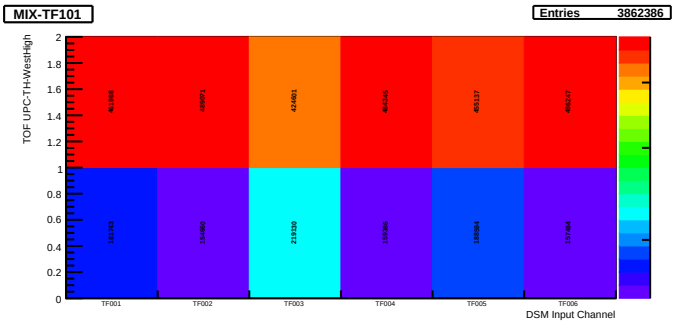

MIX-TF006
Entries 1.351835e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

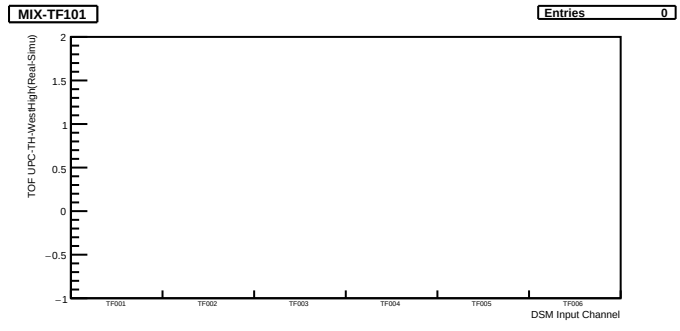

MIX-TF101
Entries 3862386
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

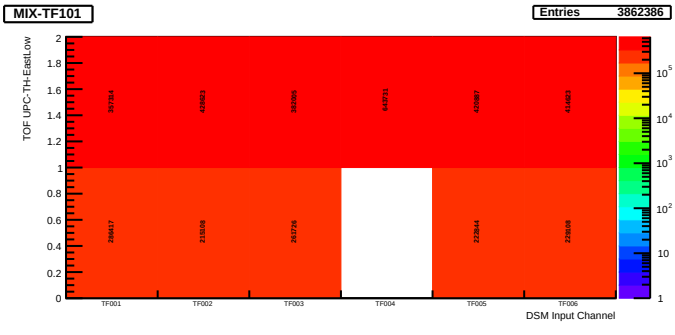

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

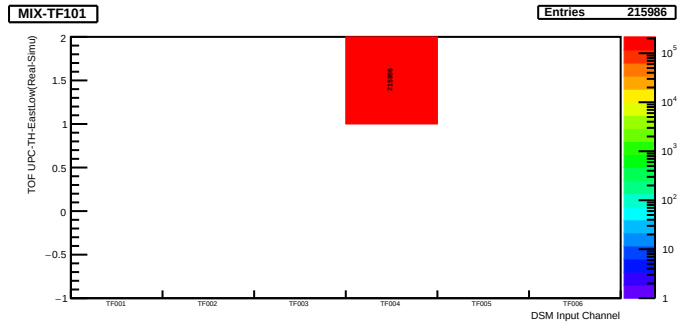

MIX-TF101
Entries 3862386
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

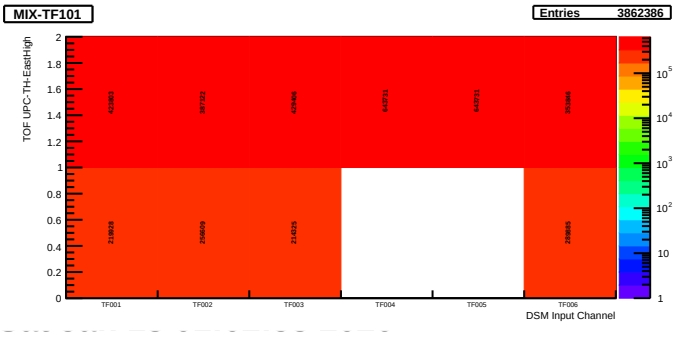

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

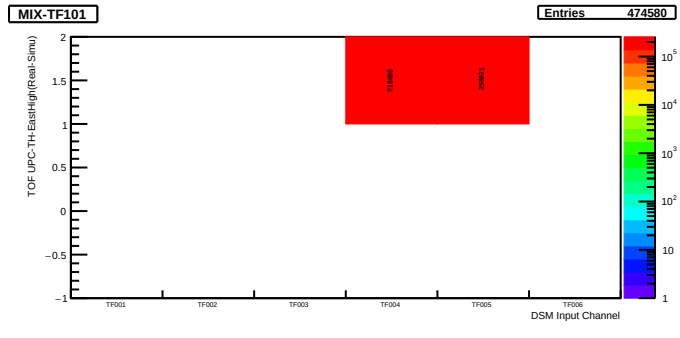

MIX-TF101
Entries 3862386
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

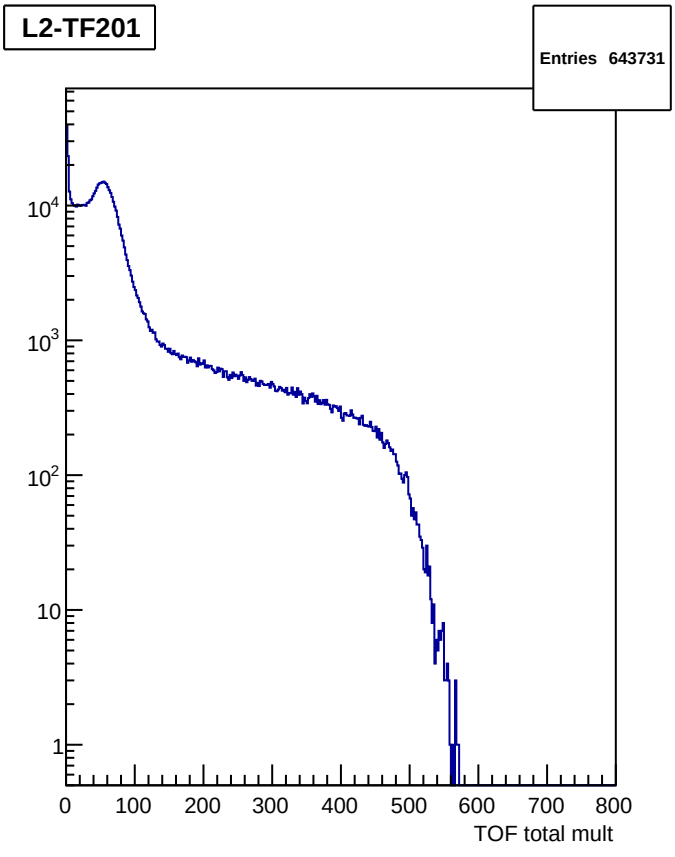

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

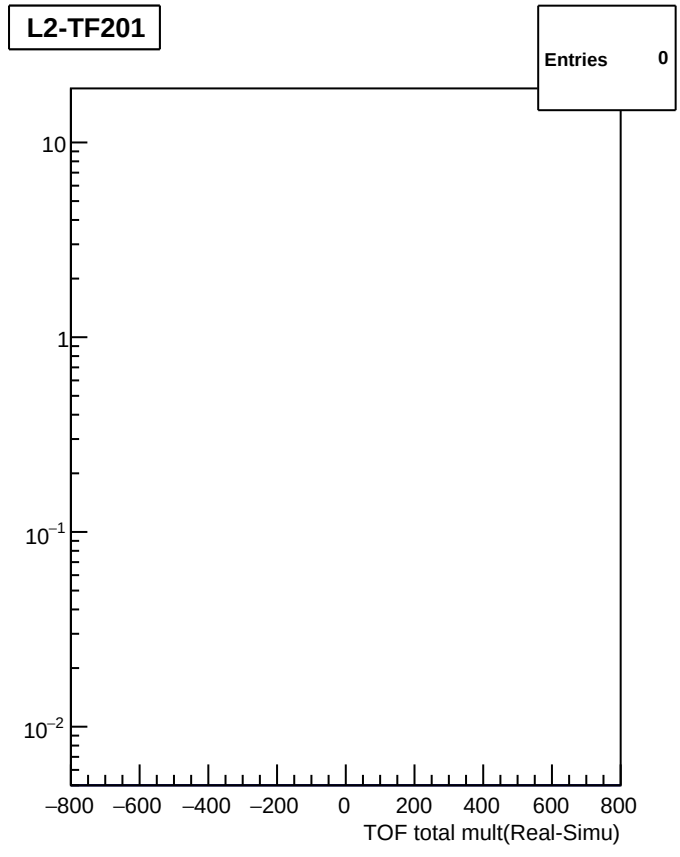

MIX-TF101
Entries 3862386
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

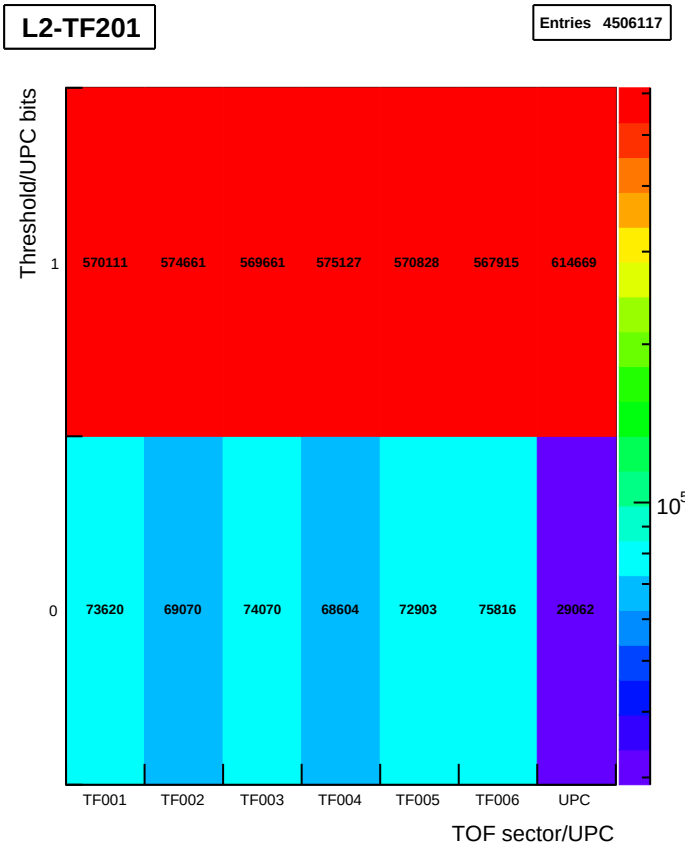

MIX-TF101
Entries 215986
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

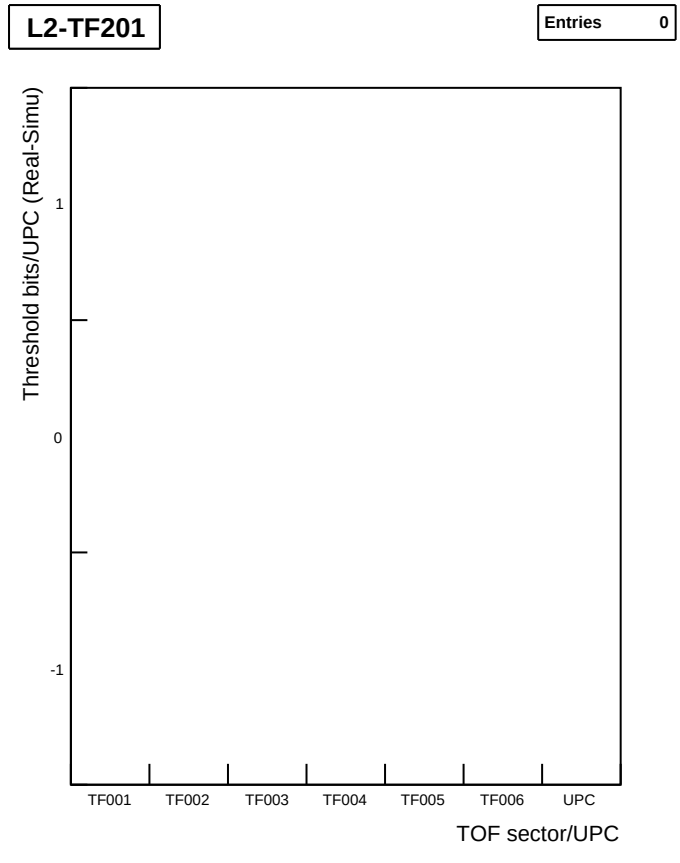

MIX-TF101
Entries 3862386
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

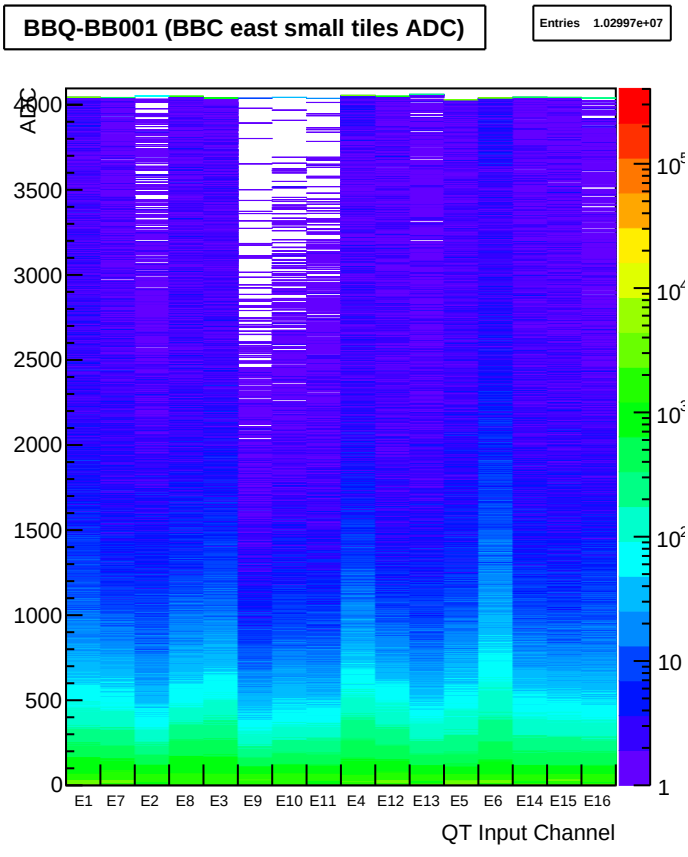

MIX-TF101
Entries 474580
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

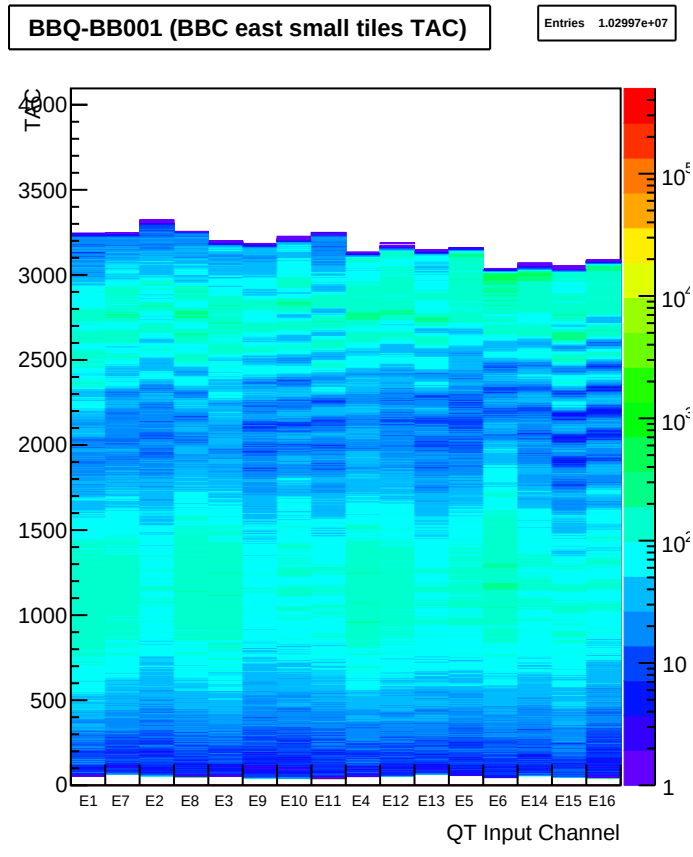

L2-TF201
Entries 643731
TOF total mult

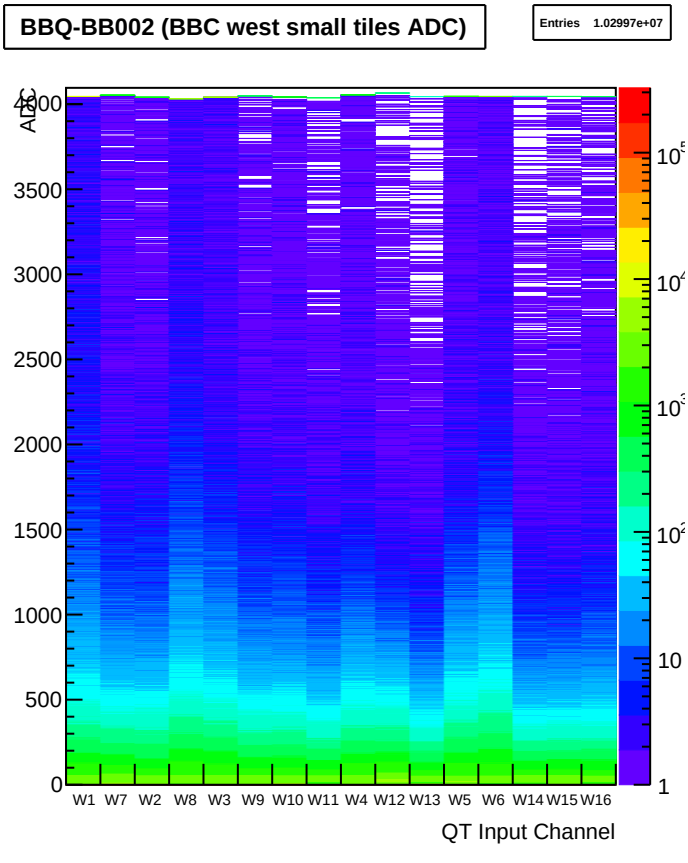

L2-TF201
Entries 0
TOF total mult(Real-Simu)

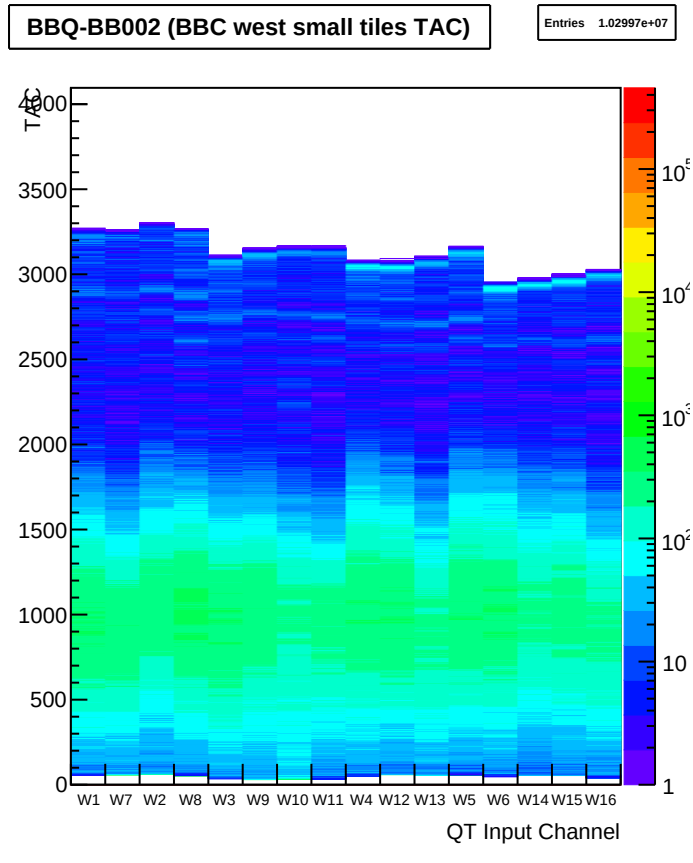

L2-TF201
Entries 4506117
Threshold/UPC bits
570111
574661
569661
575127
570828
567915
614669
73620
69070
74070
68604
72903
75816
29062
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

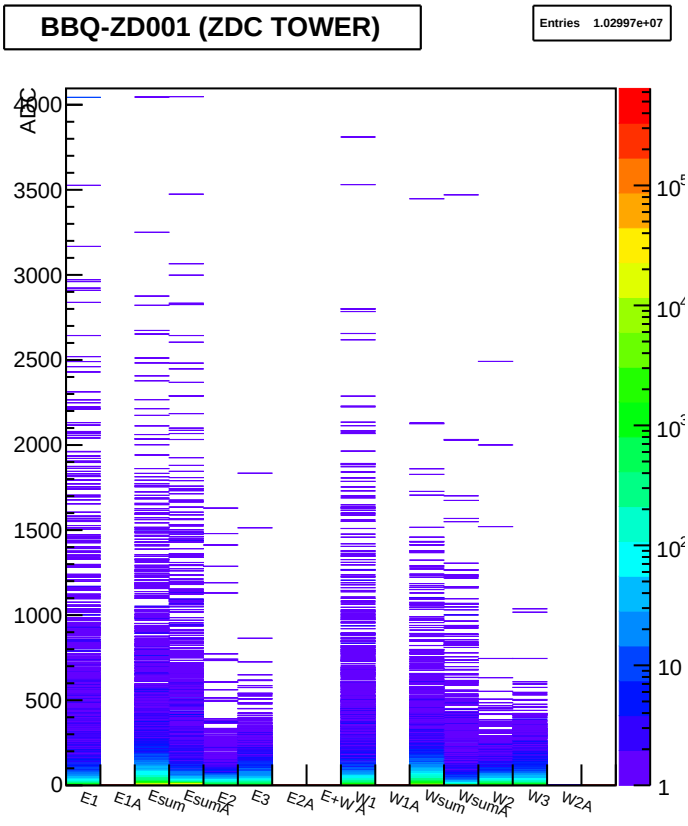

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

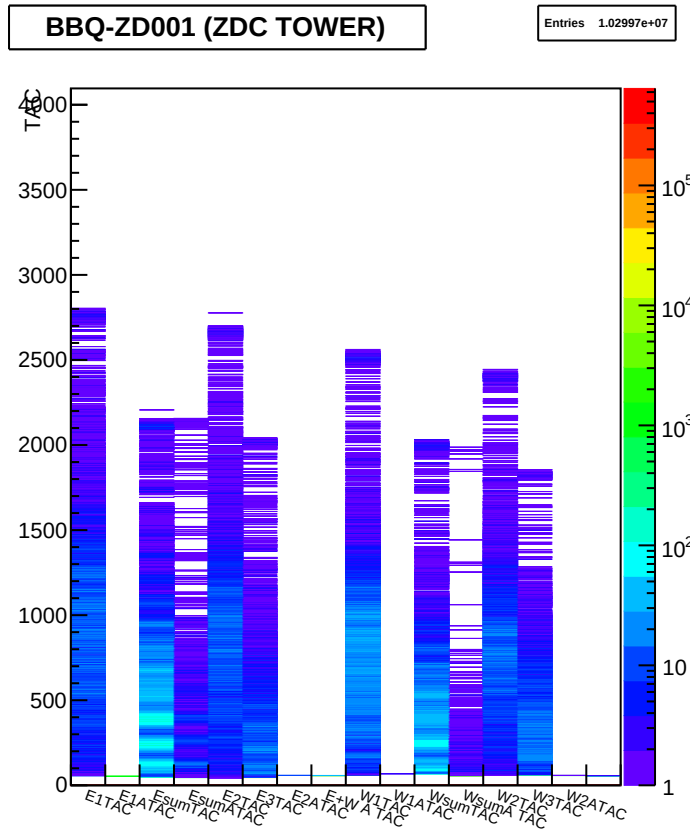

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.02997e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

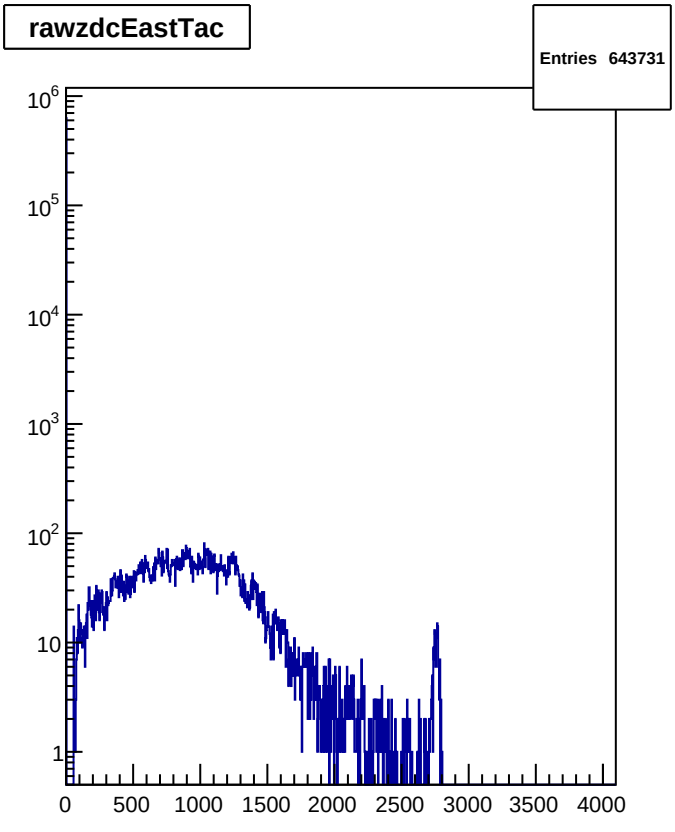

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.02997e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

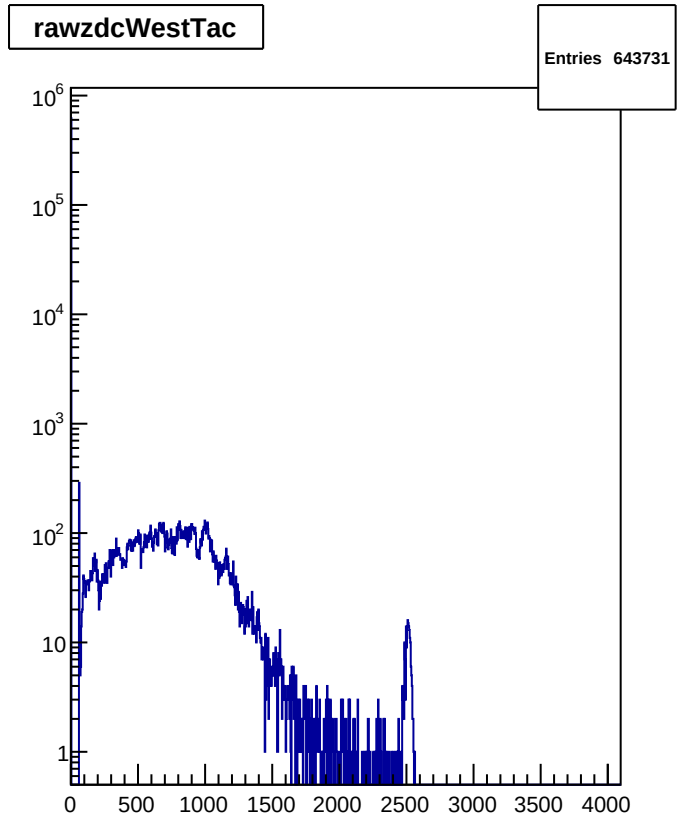

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.02997e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

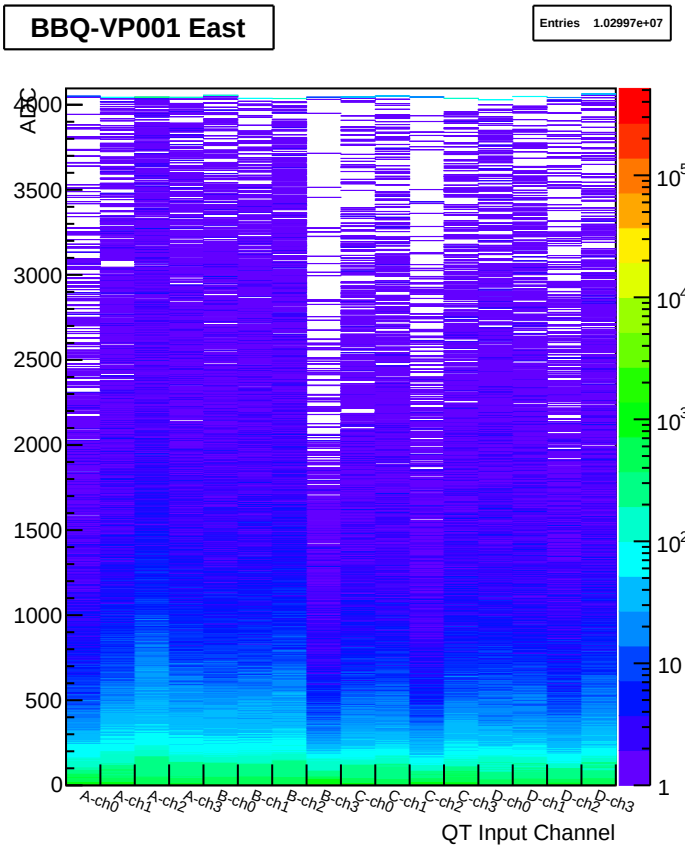

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.02997e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

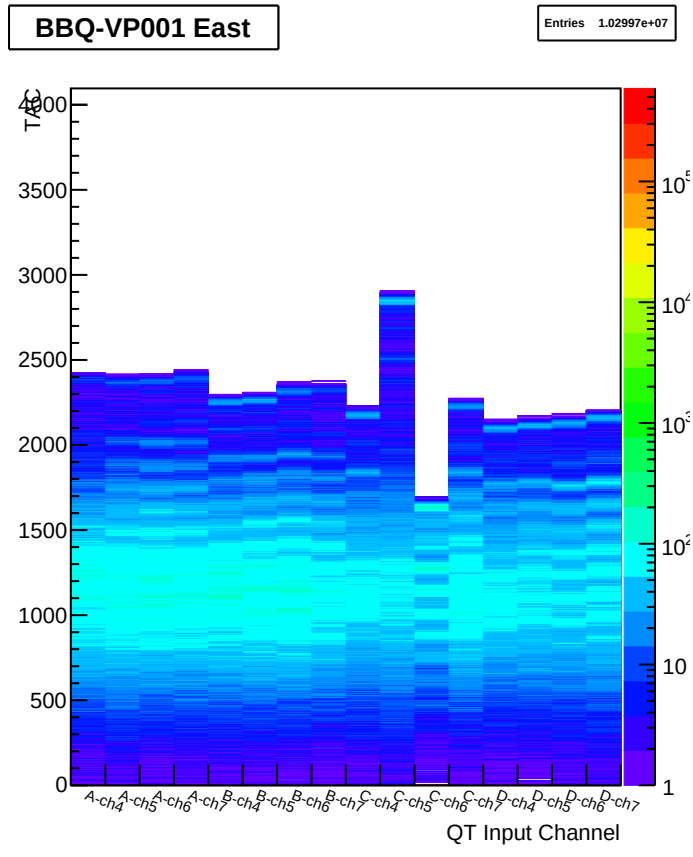

BBQ-ZD001 (ZDC TOWER)
Entries 1.02997e+07
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1A
W1A
Wsum
WsumA
W2
W3
W2A

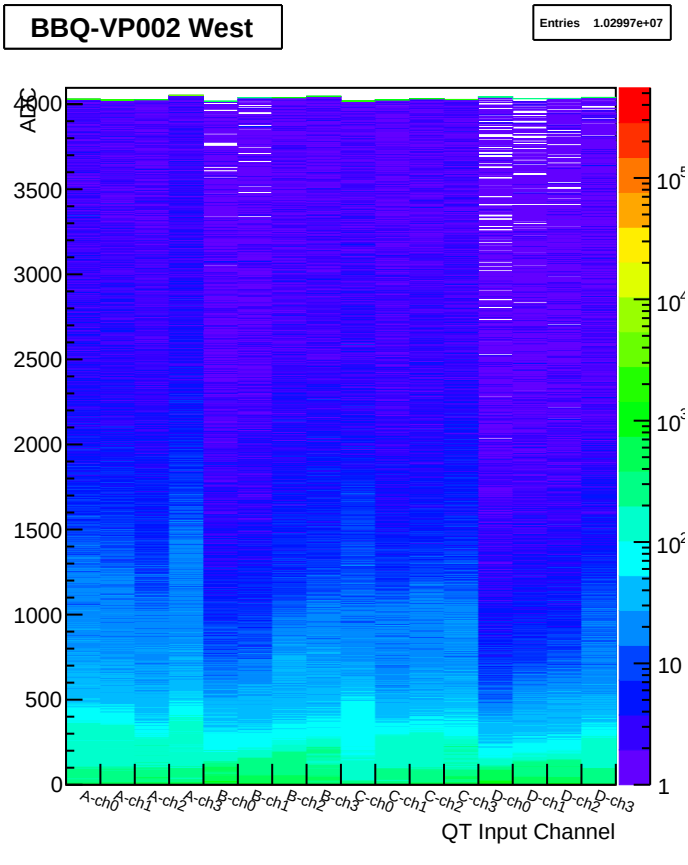

BBQ-ZD001 (ZDC TOWER)
Entries 1.02997e+07
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

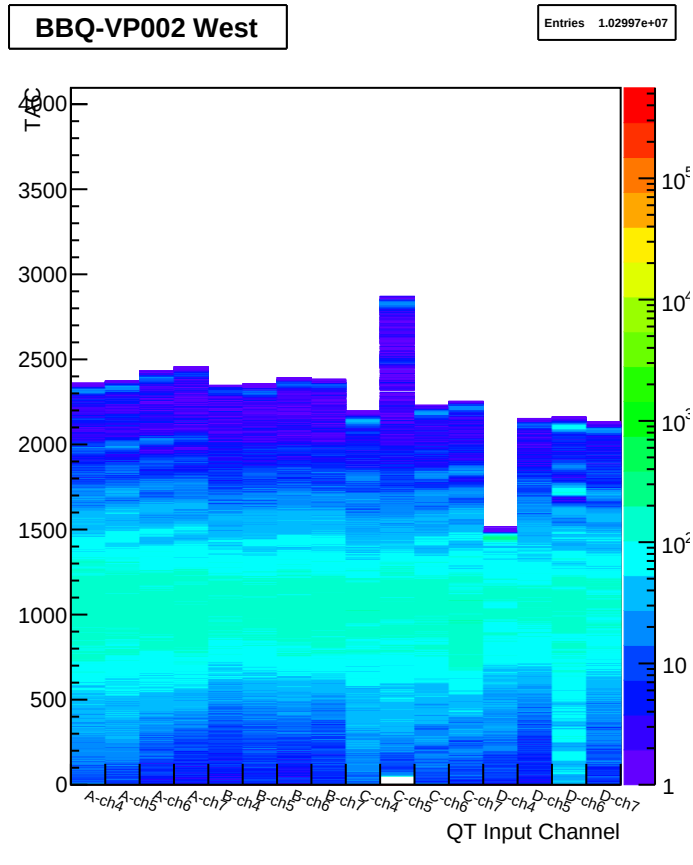

rawzdcEastTac
Entries 643731

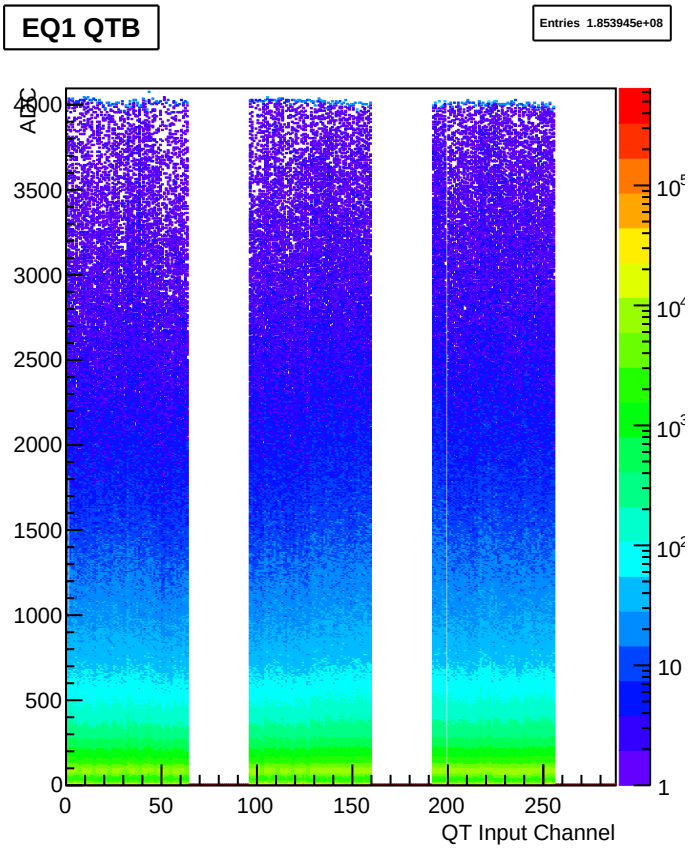

rawzdcWestTac
Entries 643731

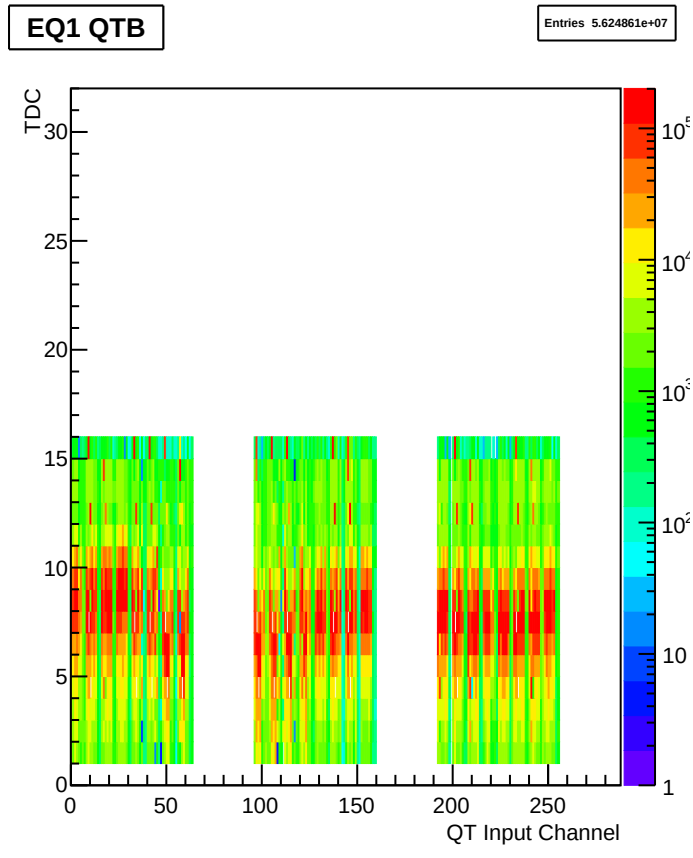

BBQ-VP001 East
Entries 1.02997e+07
ADC
QT Input Channel

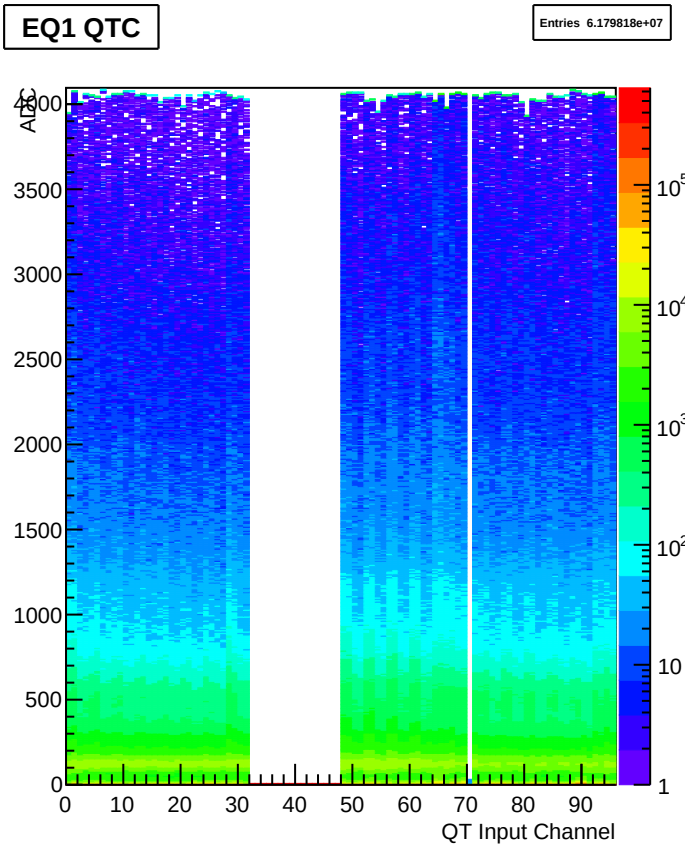

BBQ-VP001 East
Entries 1.02997e+07
TADC
QT Input Channel

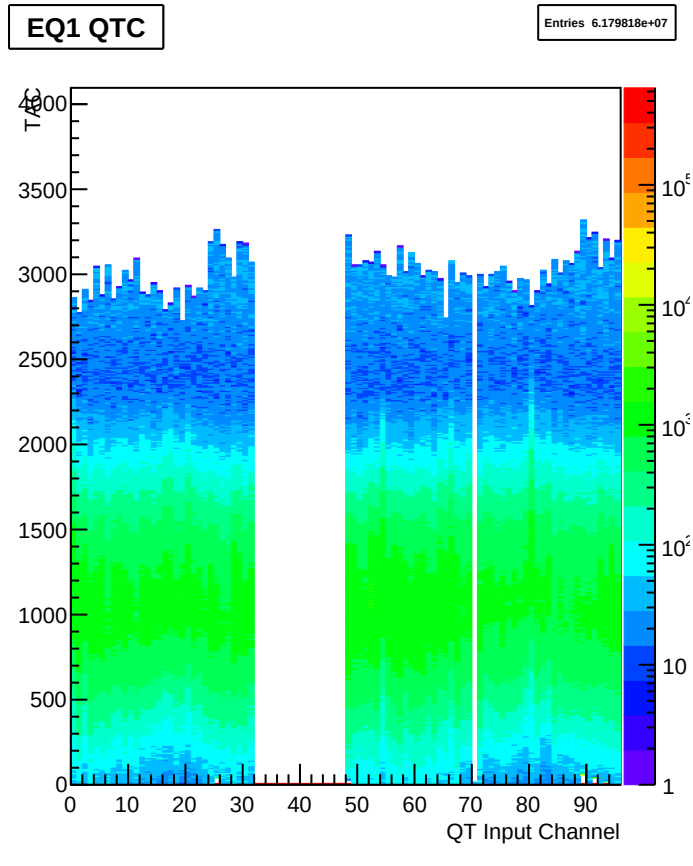

BBQ-VP002 West
Entries 1.02997e+07
ADC
QT Input Channel

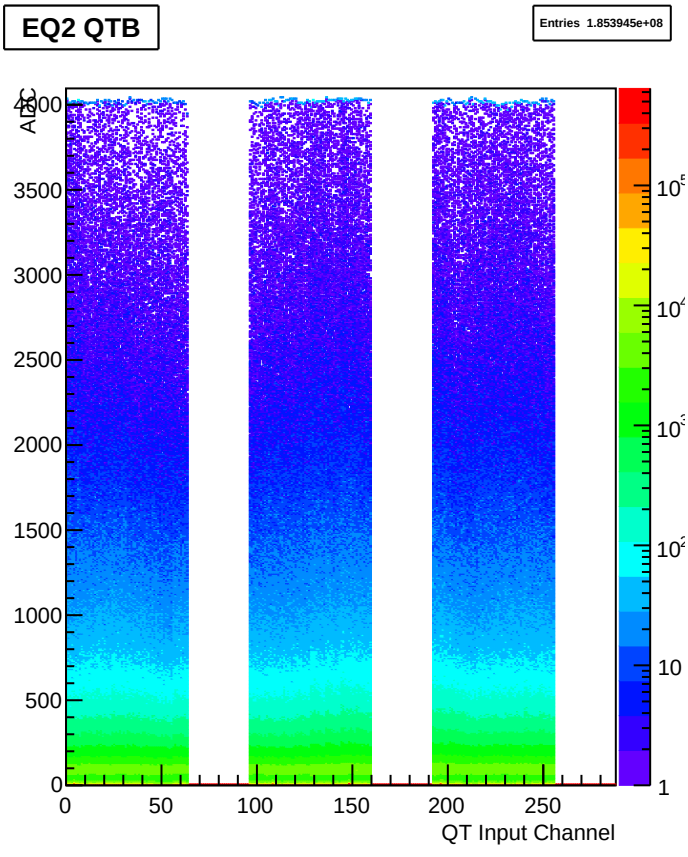

BBQ-VP002 West
Entries 1.02997e+07
TADC
QT Input Channel

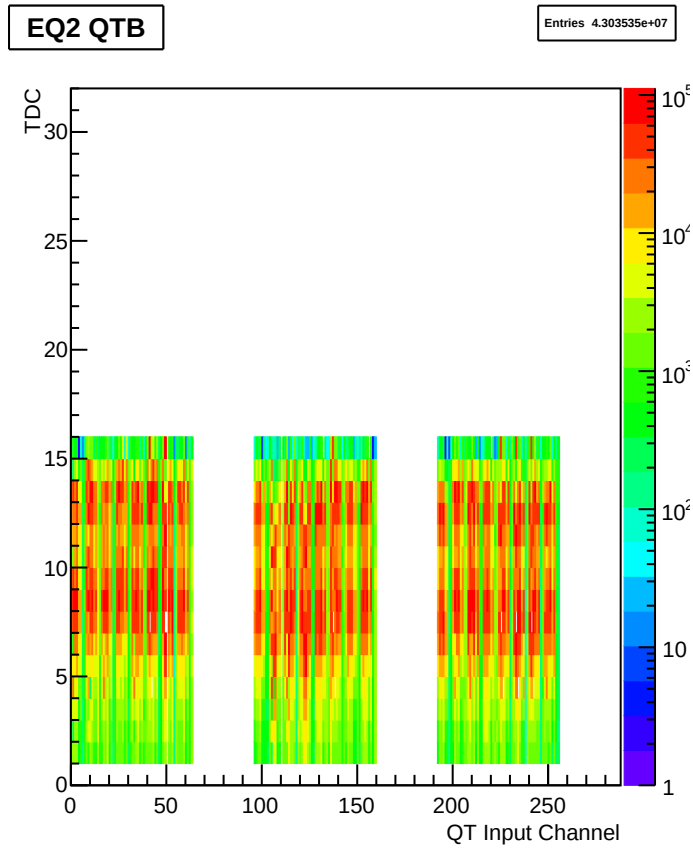

EQ1 QTB
Entries 1.853945e+08
ADC
QT Input Channel

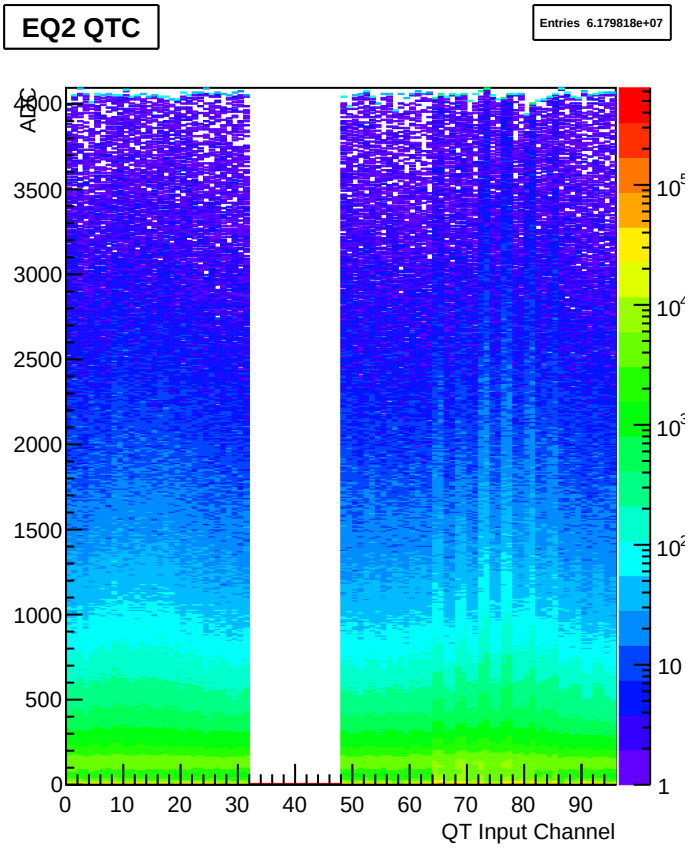

EQ1 QTB
Entries 5.624861e+07
TDC
QT Input Channel

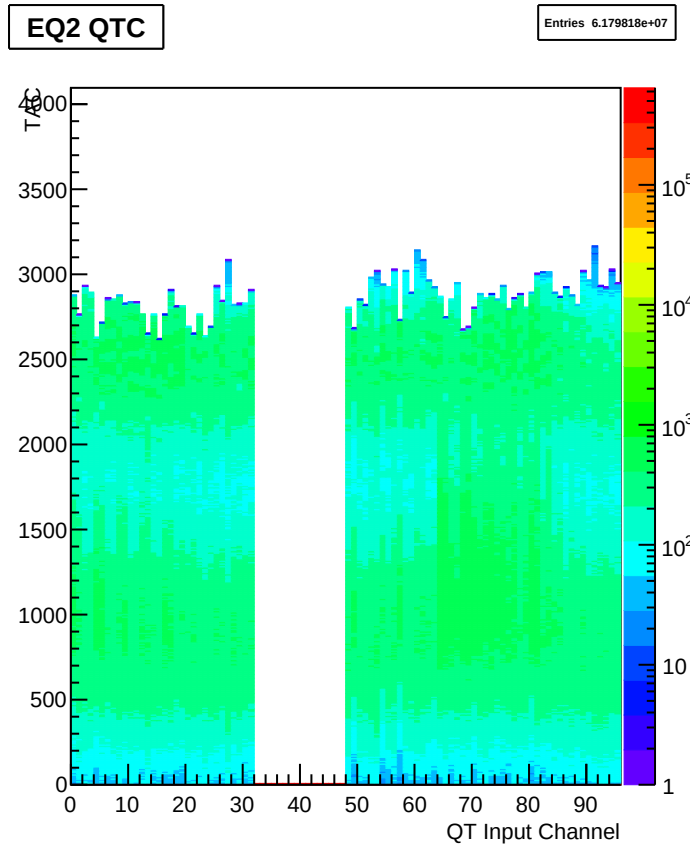

EQ1 QTC
Entries 6.179818e+07
ADC
QT Input Channel

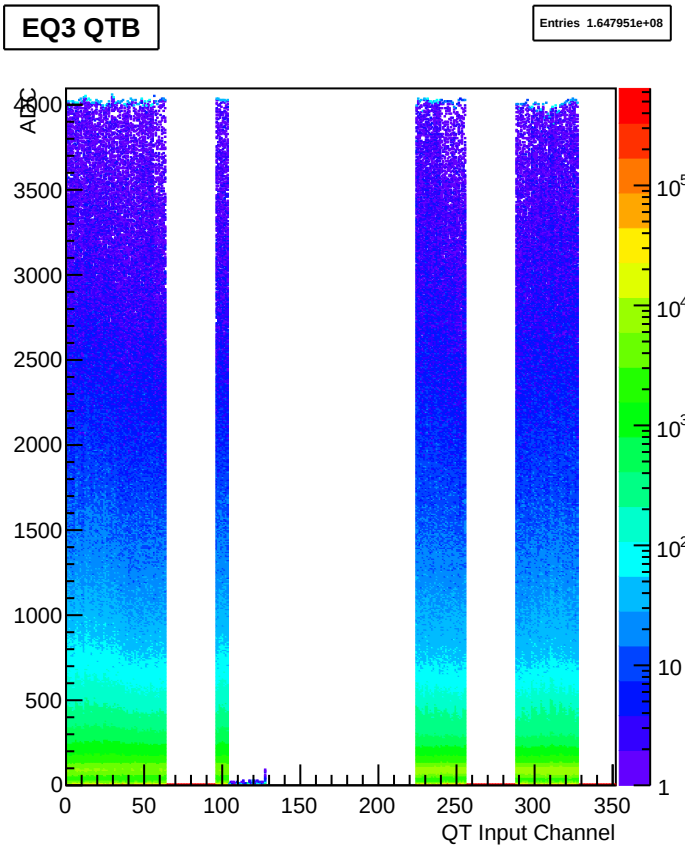

EQ1 QTC
Entries 6.179818e+07
TADC
QT Input Channel

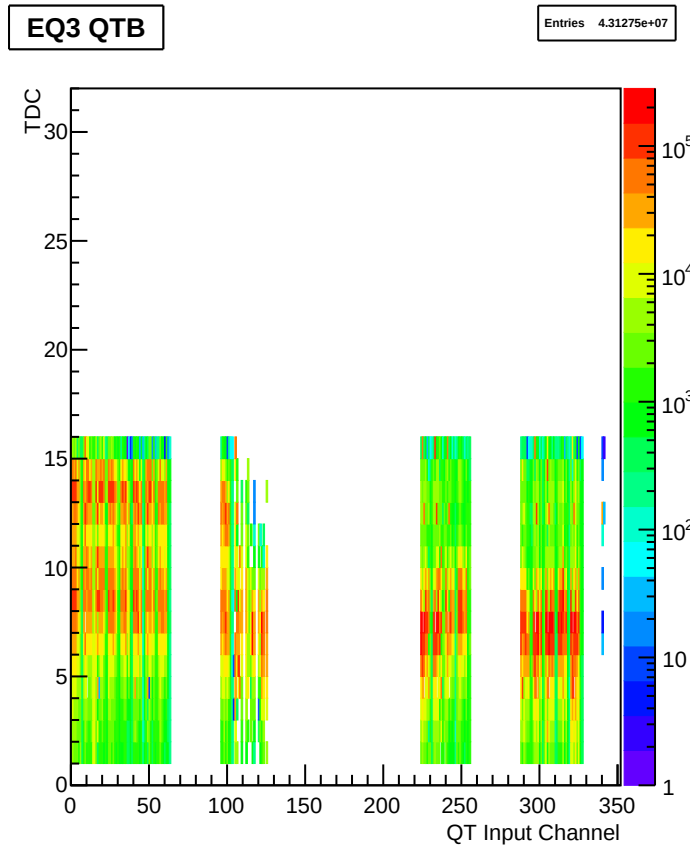

EQ2 QTB
Entries 1.853945e+08
ADC
QT Input Channel

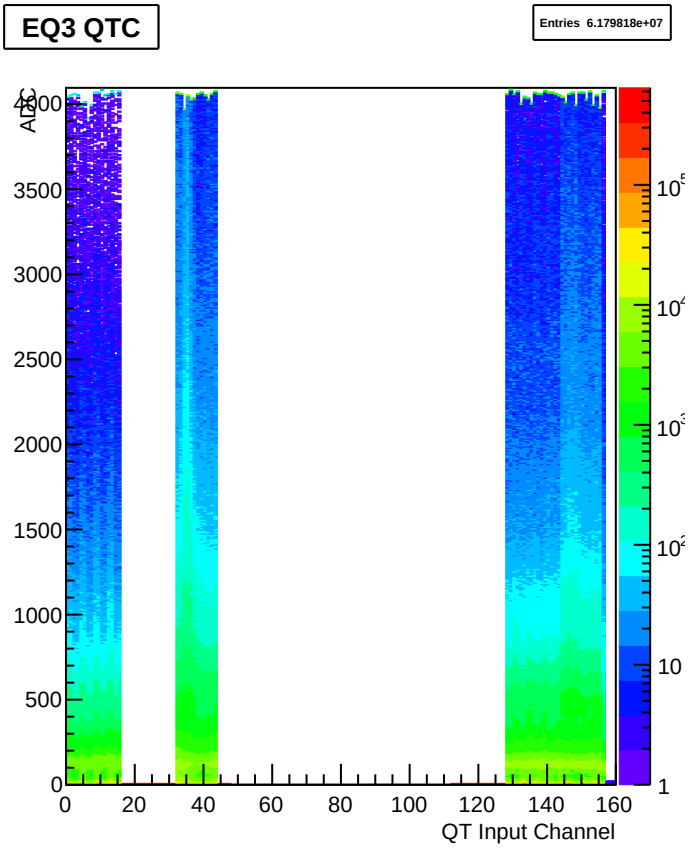

EQ2 QTB
Entries 4.303535e+07
TDC
QT Input Channel

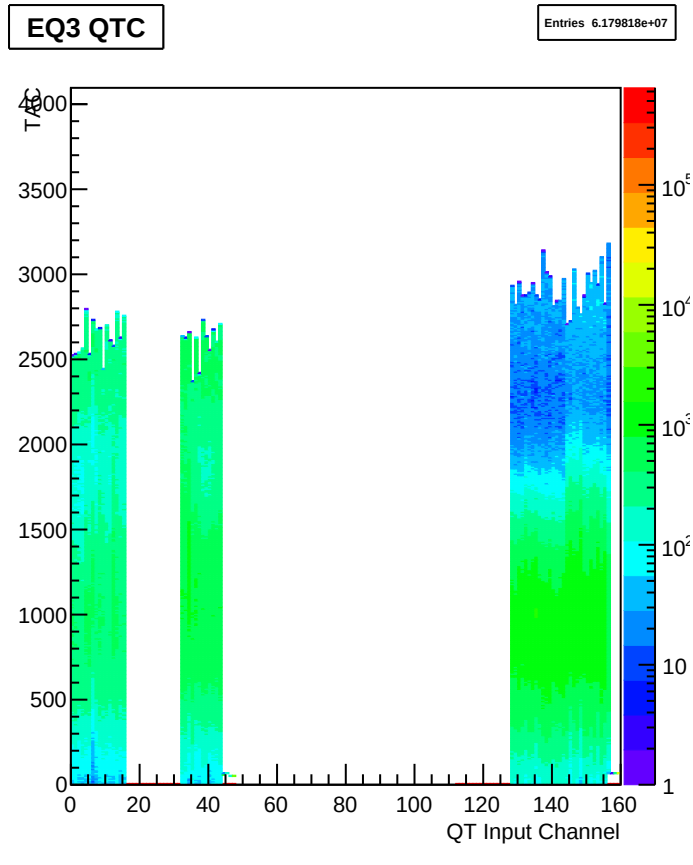

EQ2 QTC
Entries 6.179818e+07
ADC
QT Input Channel

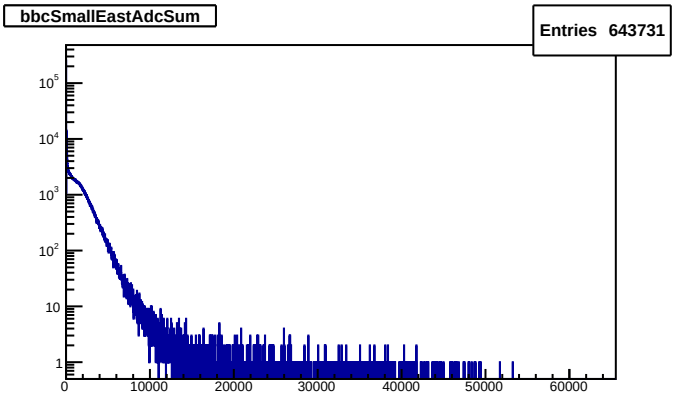

EQ2 QTC
Entries 6.179818e+07
TADC
QT Input Channel

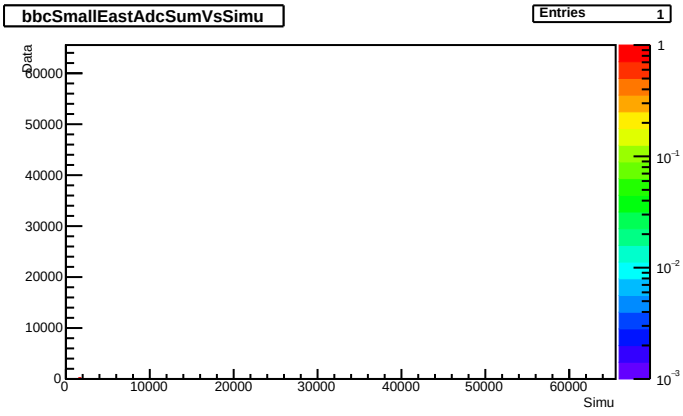

EQ3 QTB
Entries 1.647951e+08
ADC
QT Input Channel

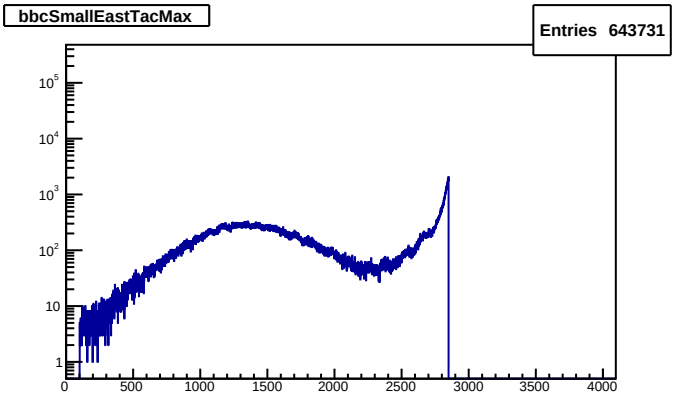

EQ3 QTB
Entries 4.31275e+07
TDC
QT Input Channel

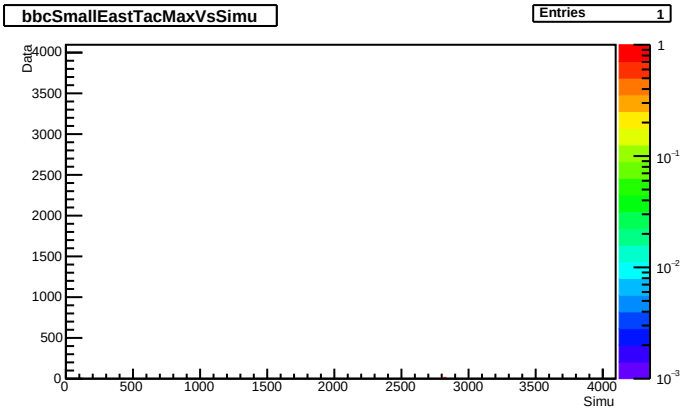

EQ3 QTC
Entries 6.179818e+07
ADC
QT Input Channel


EQ3 QTC
Entries 6.179818e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 643731


bbcSmallEastAdcSumVsSimu
Entries 1
Data
Simu


bbcSmallEastTacMax
Entries 643731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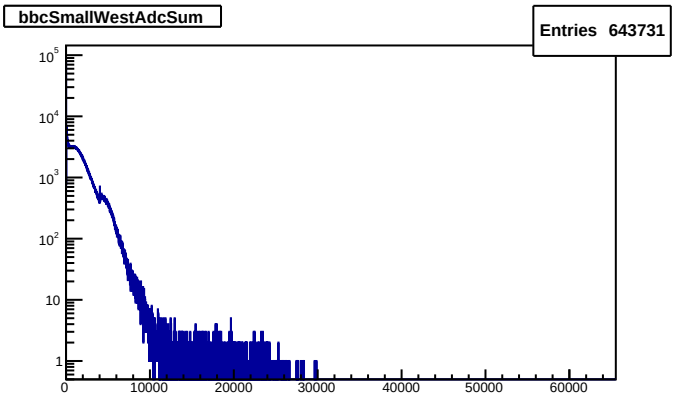
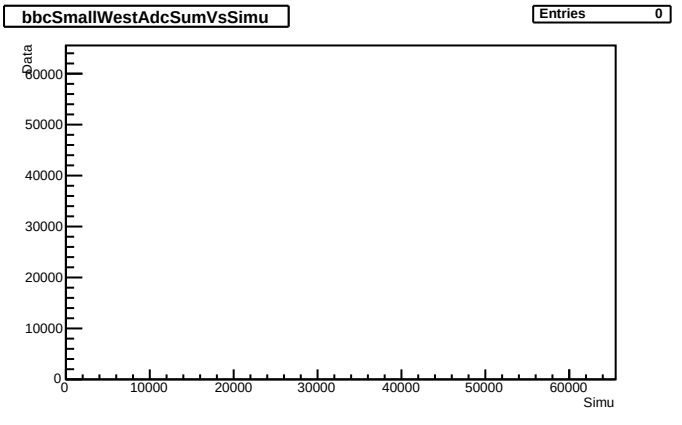
Entries 1
Data
Simu


bbcSmallWestAdcSum
Entries 643731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Entries 0
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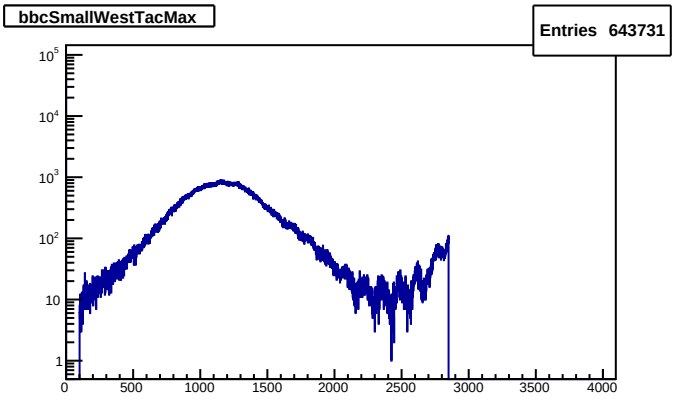
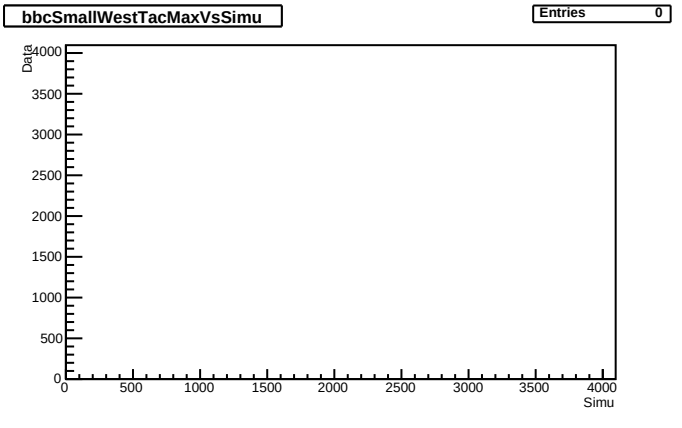
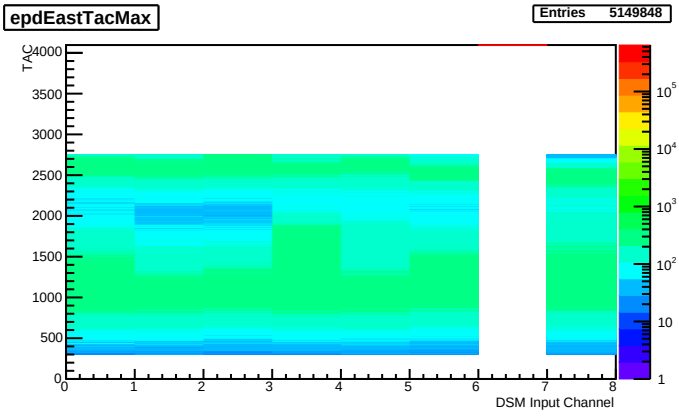
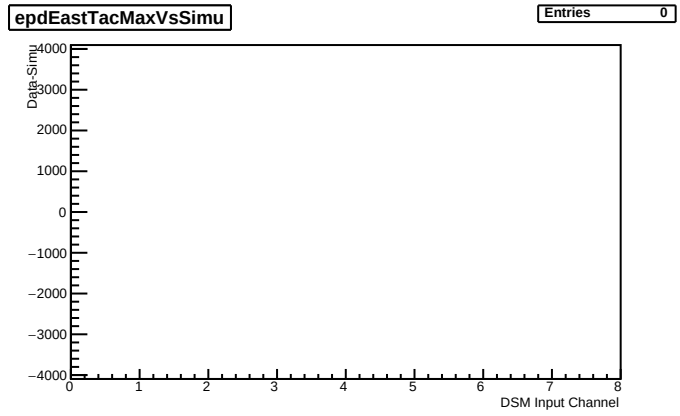
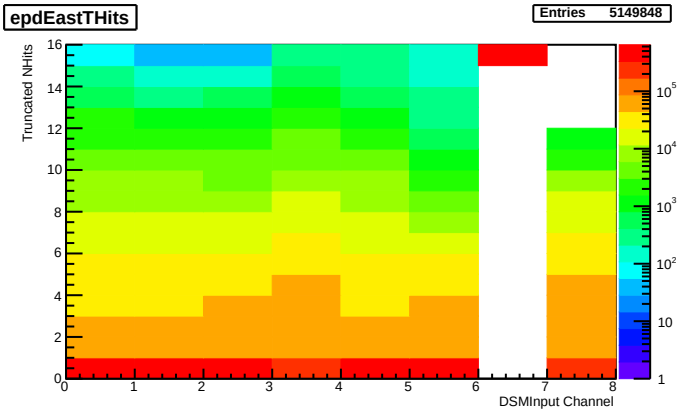
Simu

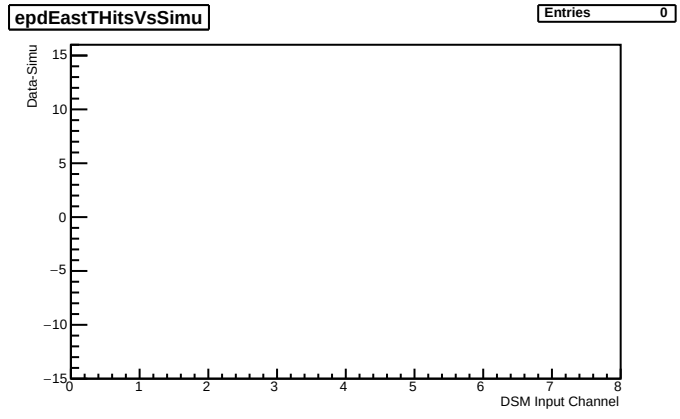

bbcSmallWestTacMax
Entries 643731


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 5149848
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 5149848
Truncated NHits
DSMInput Channel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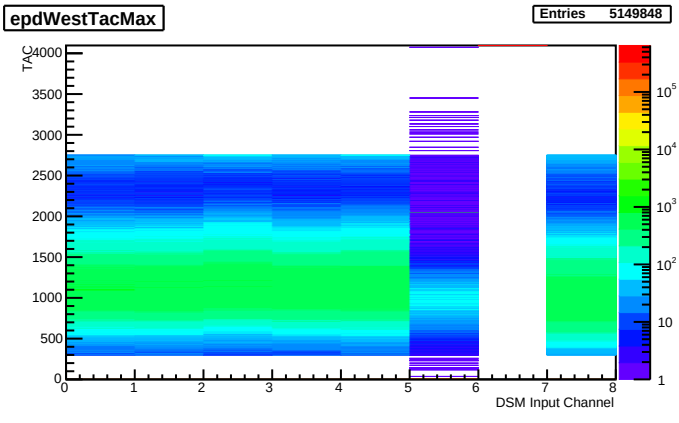
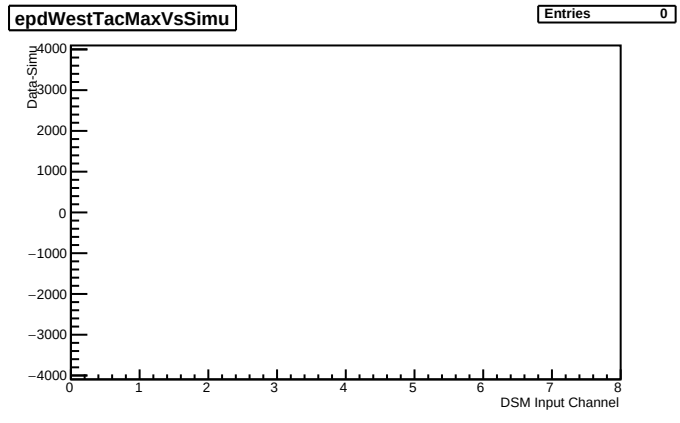
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 5149848
TAC
DSM Input Channel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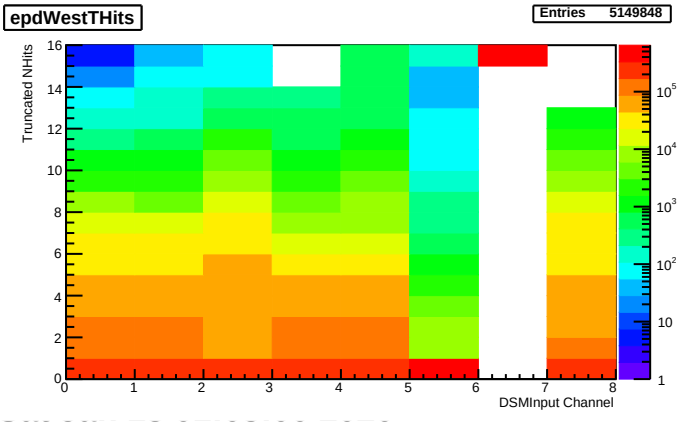
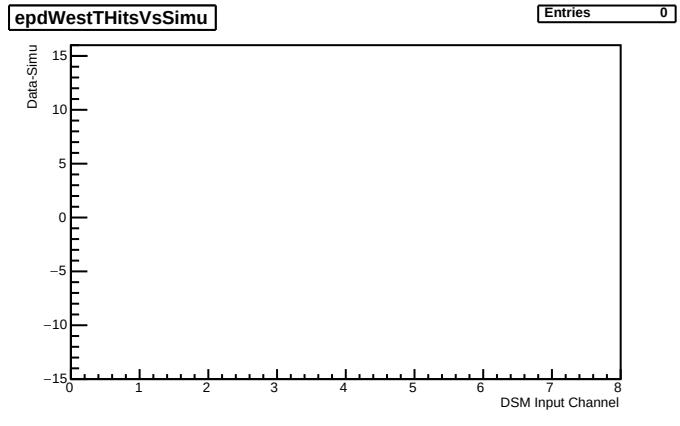
DSM Input Channel


epdWestTHits
Entries 5149848
Truncated NHits
DSMInput Channel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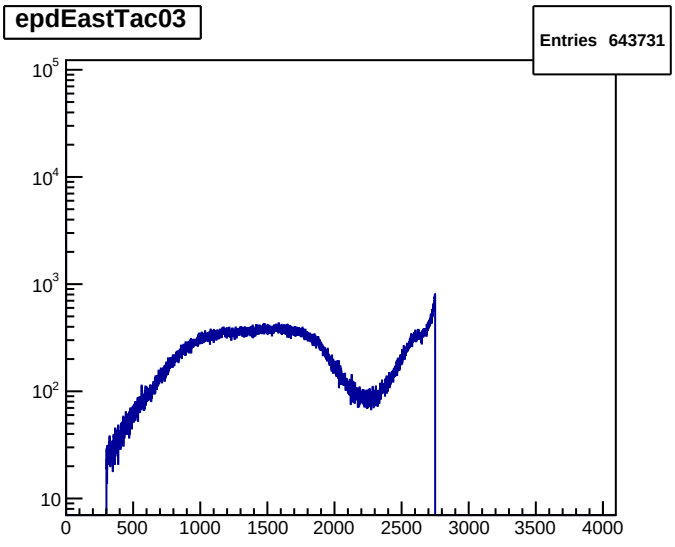
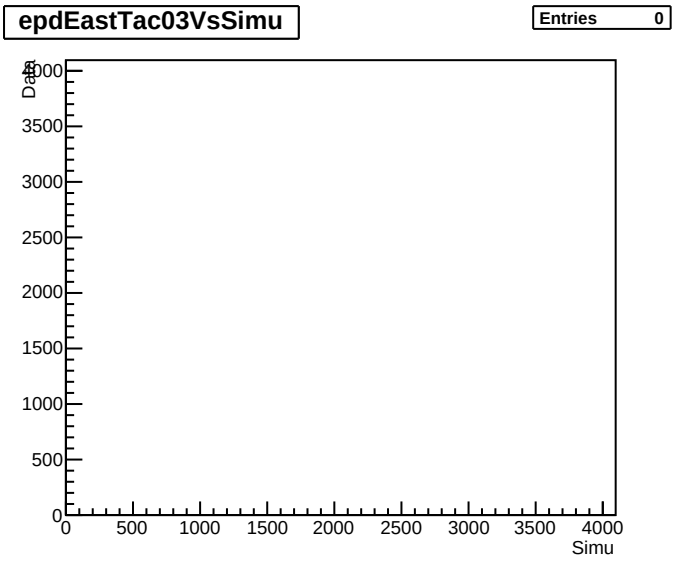
DSM Input Channel


epdEastTac03
Entries 643731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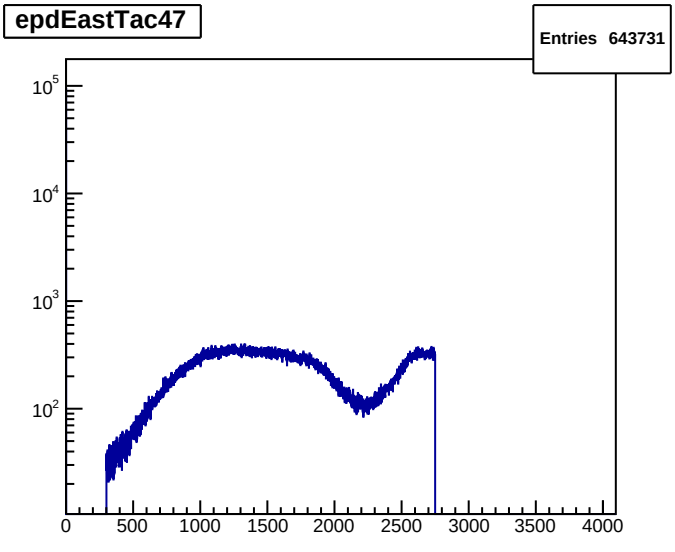
Entries 0
Data
Simu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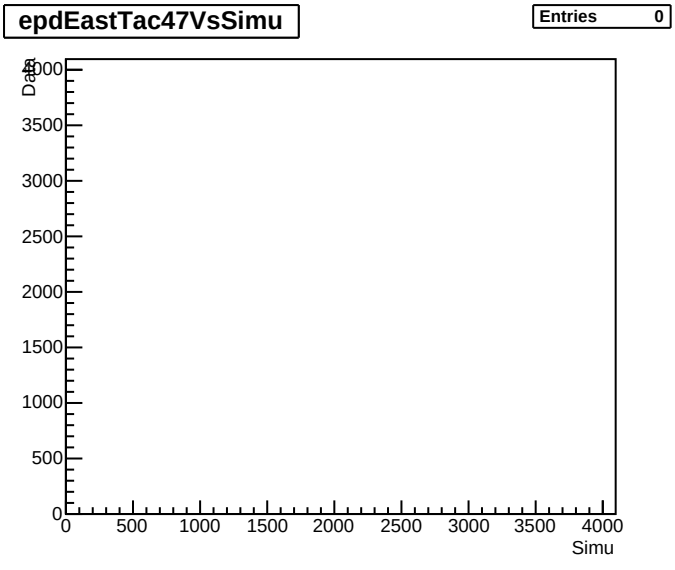
Entries 643731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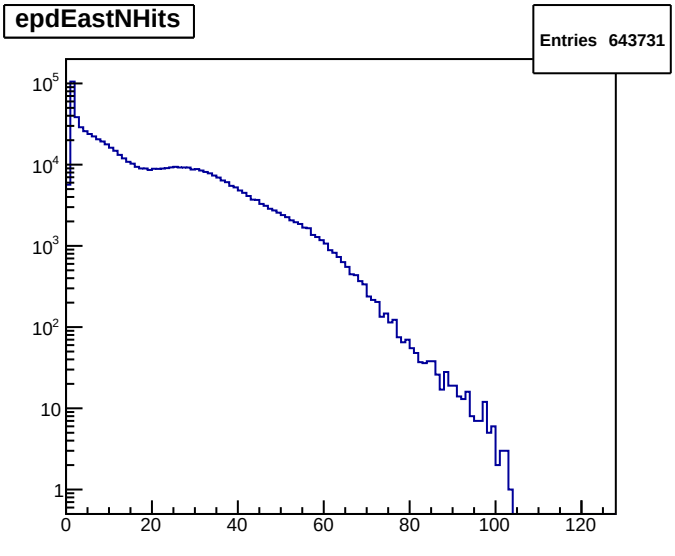
Entries 0
Data
Simu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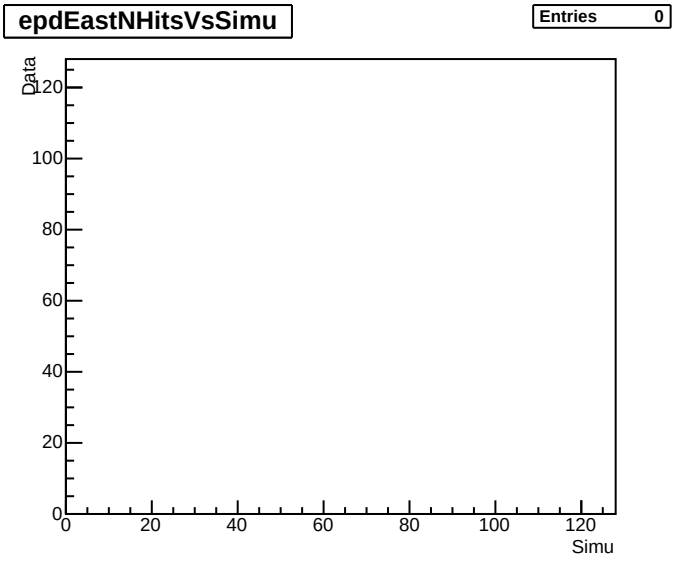
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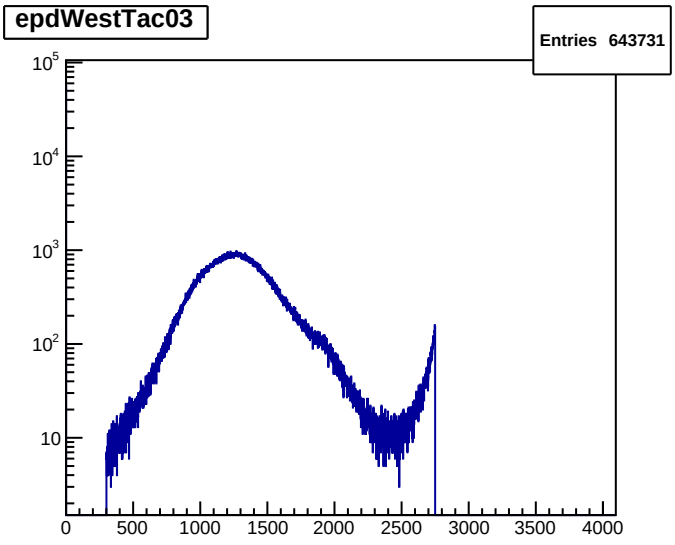
Simu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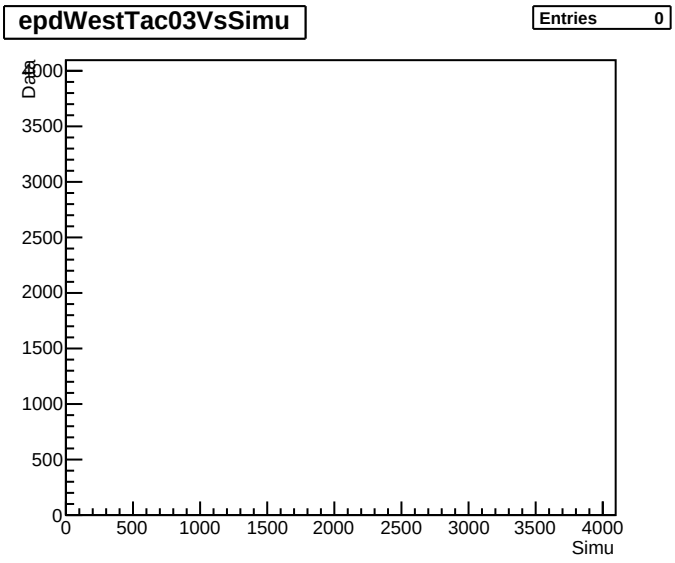
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Entries 0
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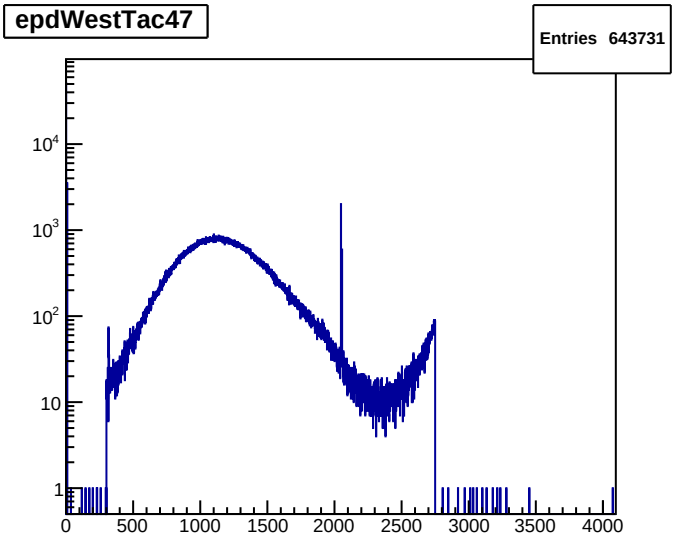
Simu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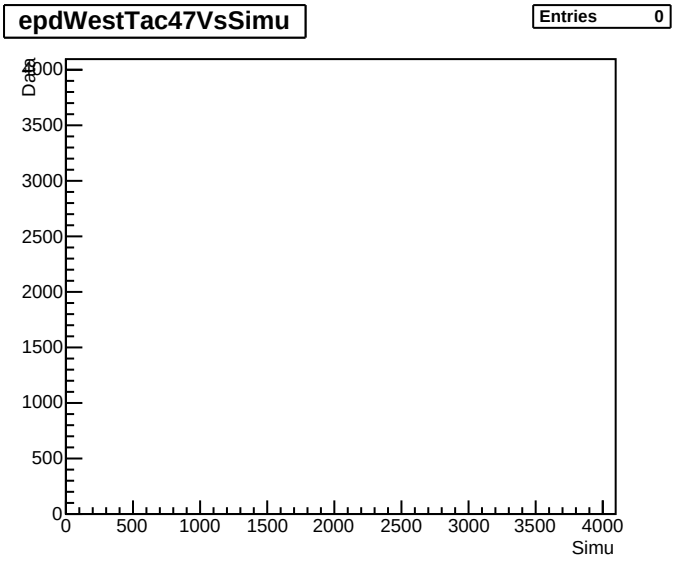
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Entries 0
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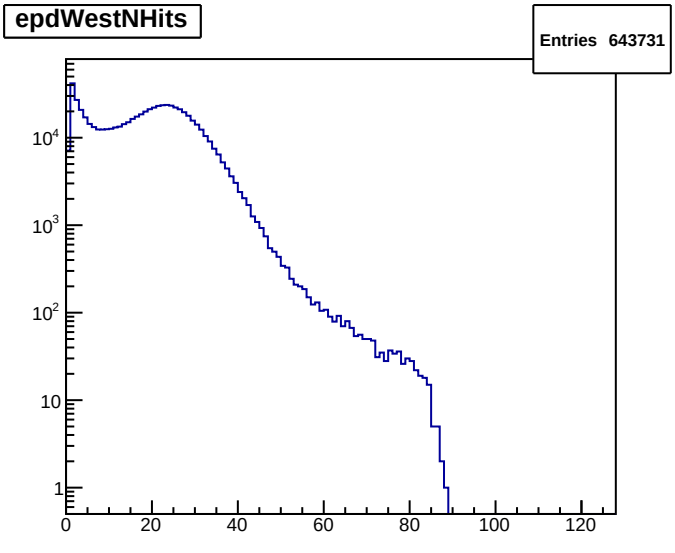
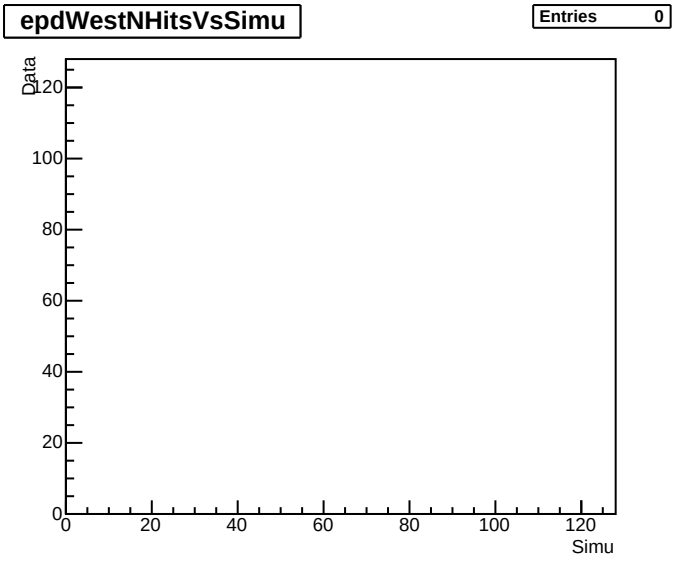
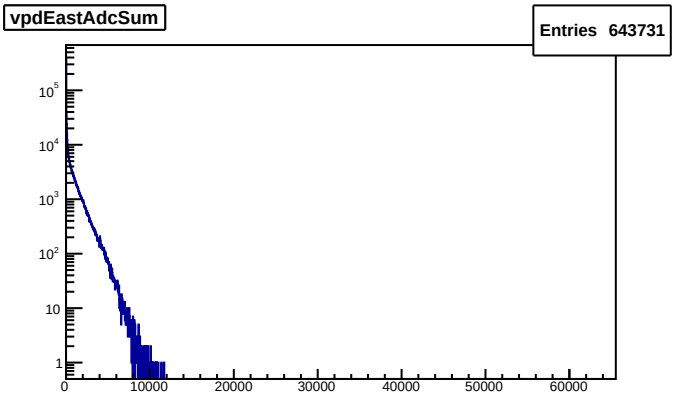
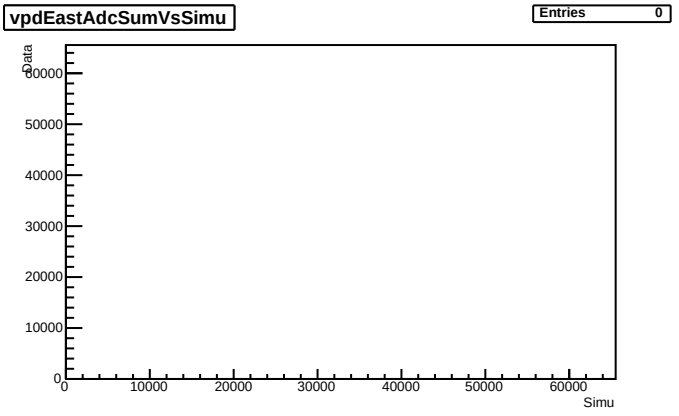
Simu


epdWestNHits
Entries 643731


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 643731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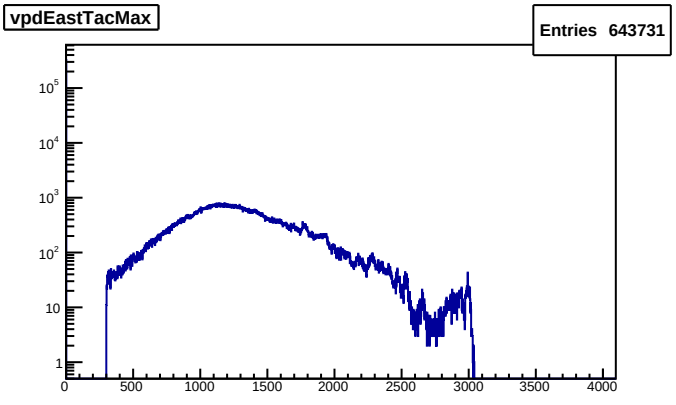
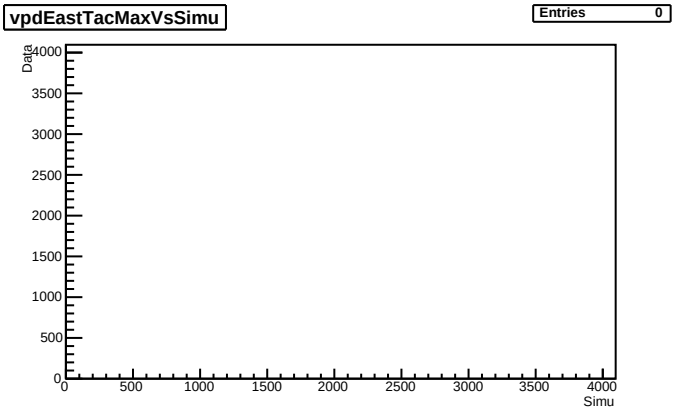
Entries 0
Data
Simu


vpdEastTacMax
Entries 643731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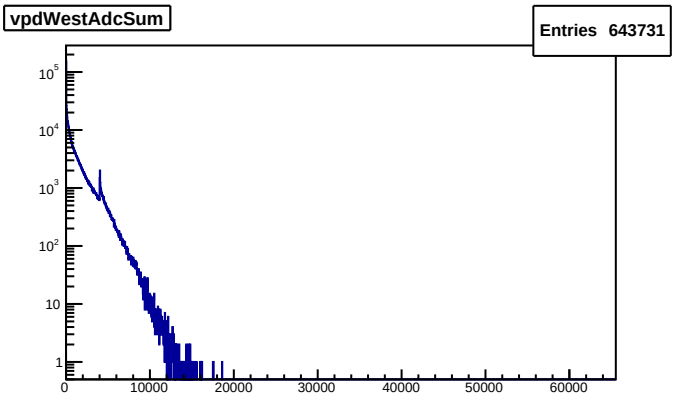
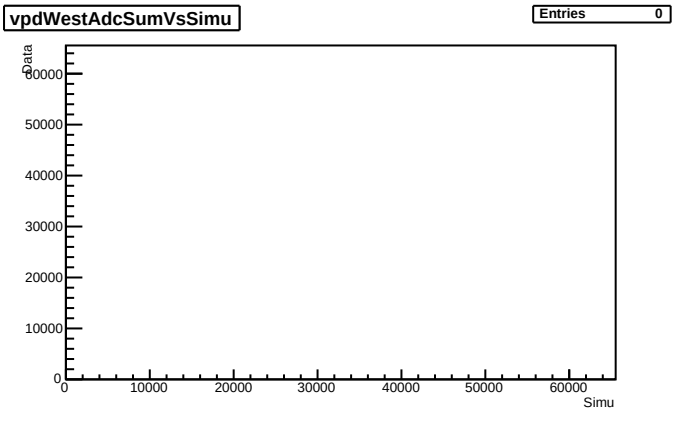
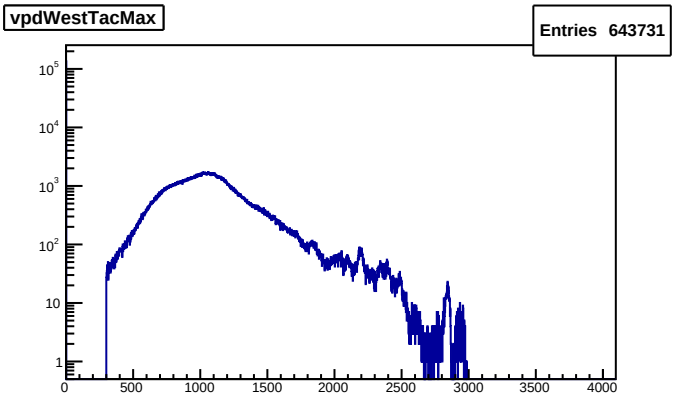
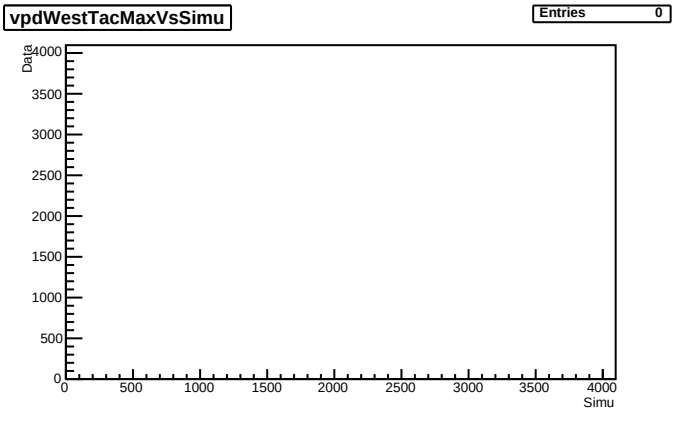
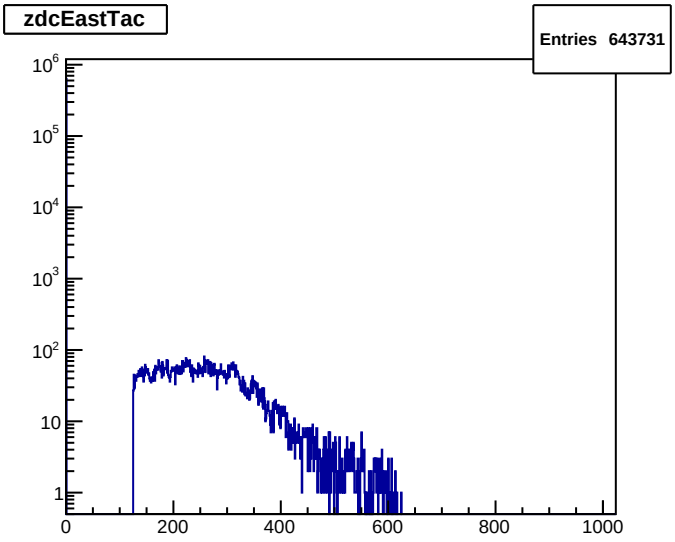
Entries 0
Data
Simu

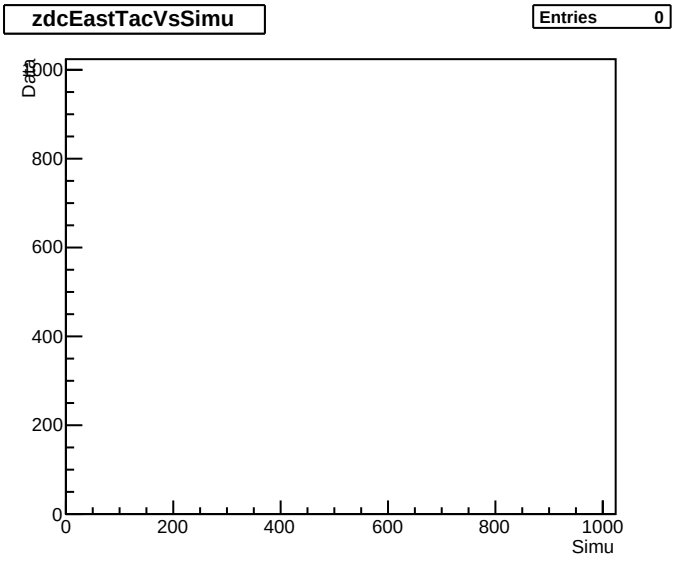

vpdWestAdcSum
Entries 643731

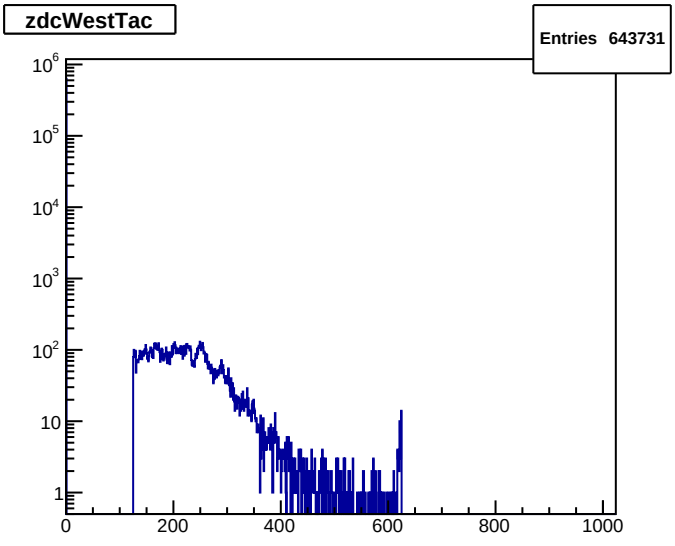

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

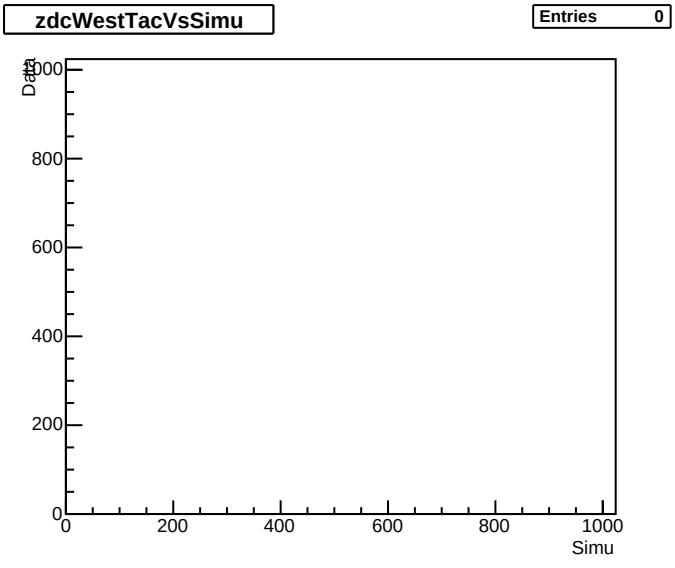

vpdWestTacMax
Entries 643731

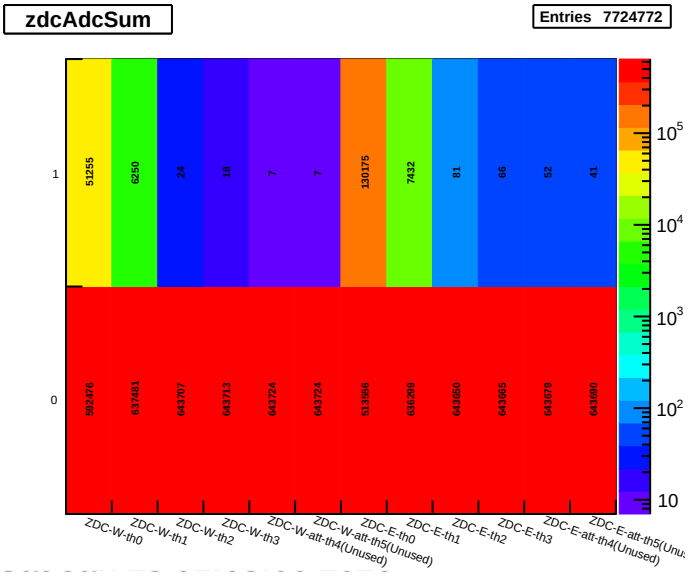

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

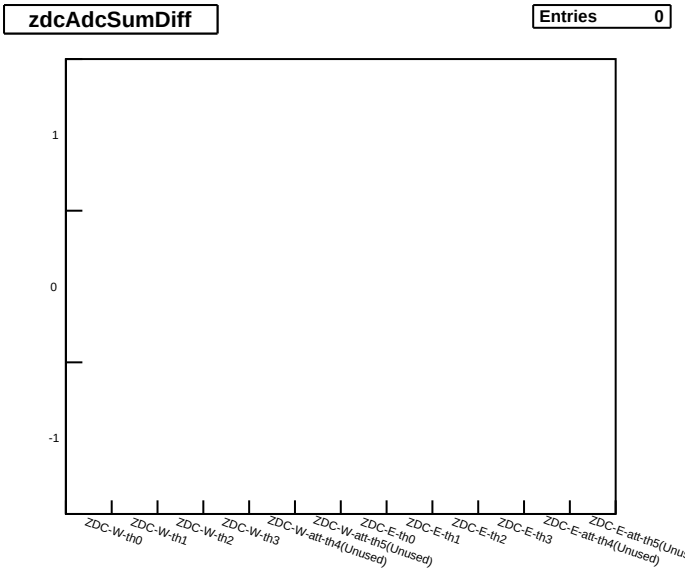

zdcEastTac
Entries 643731

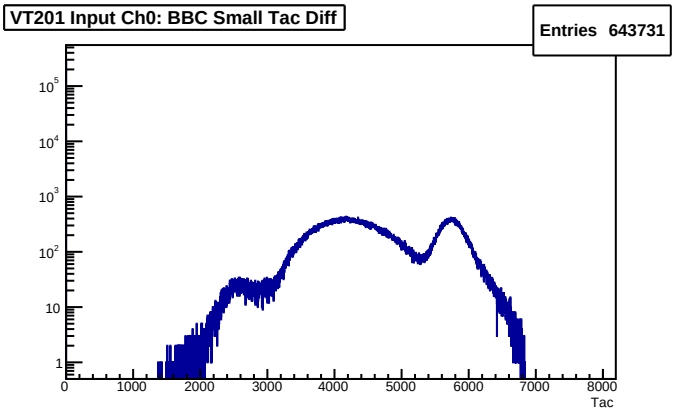

zdcEastTacVsSimu
Entries 0
Data
Simu

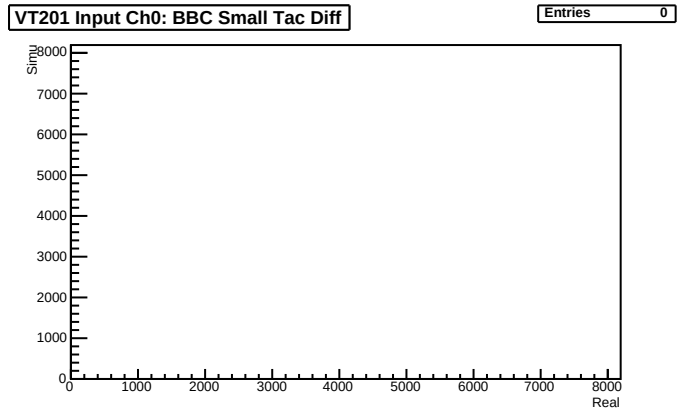

zdcWestTac
Entries 643731

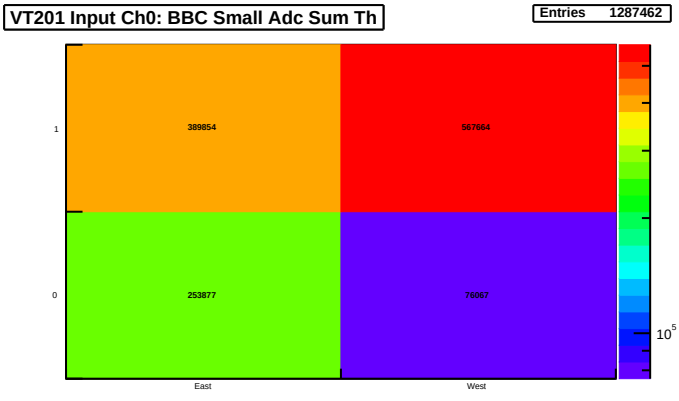

zdcWestTacVsSimu
Entries 0
Data
Simu

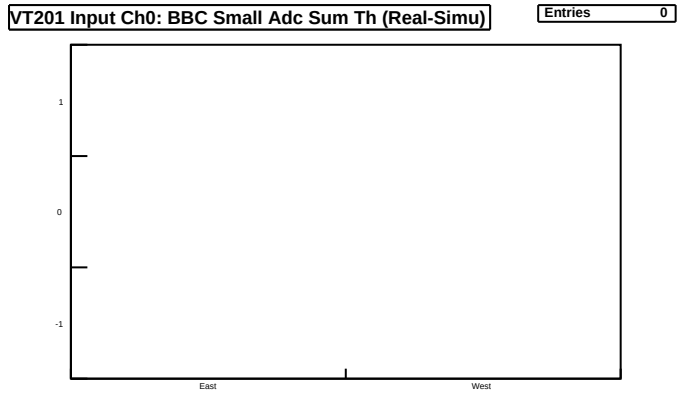

zdcAdcSum
Entries 7724772
51255
6250
24
18
7
7
130175
7432
81
66
52
41
592476
637481
643707
643713
643724
643724
513556
636299
643650
643665
643670
643680
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

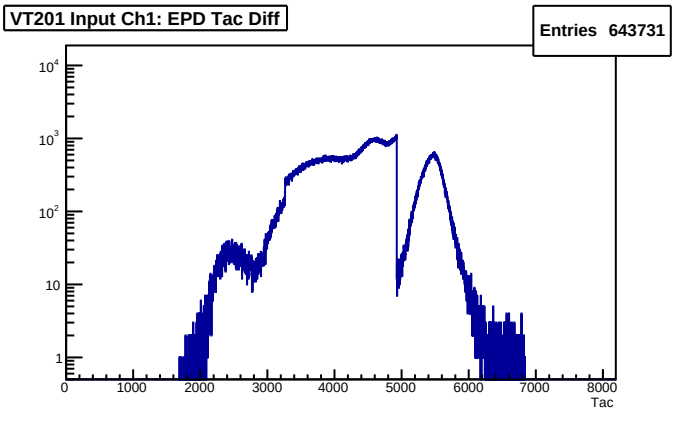

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

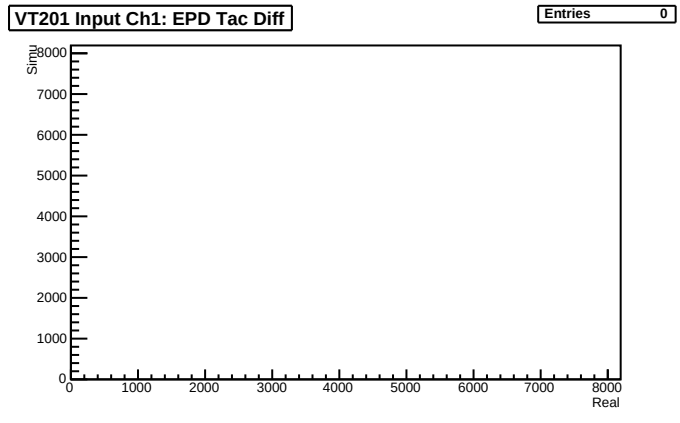

VT201 Input Ch0: BBC Small Tac Diff
Entries 643731
Tac

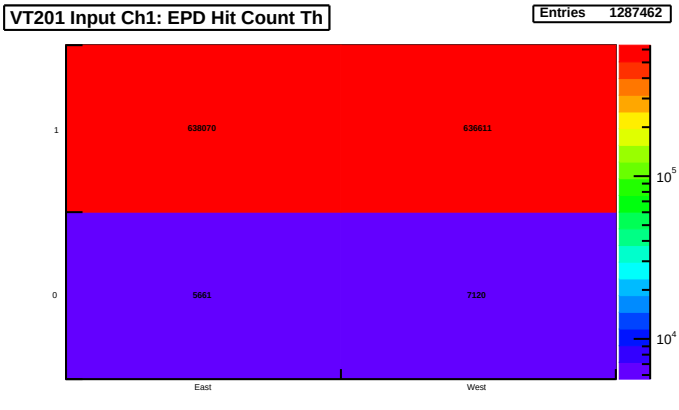

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

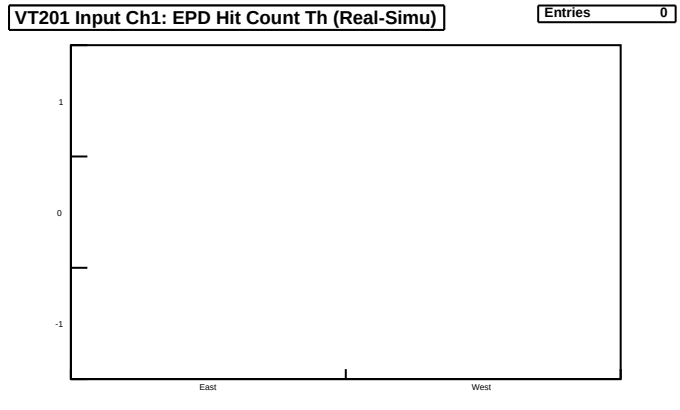

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1287462
389854
567664
253877
76067
East
West

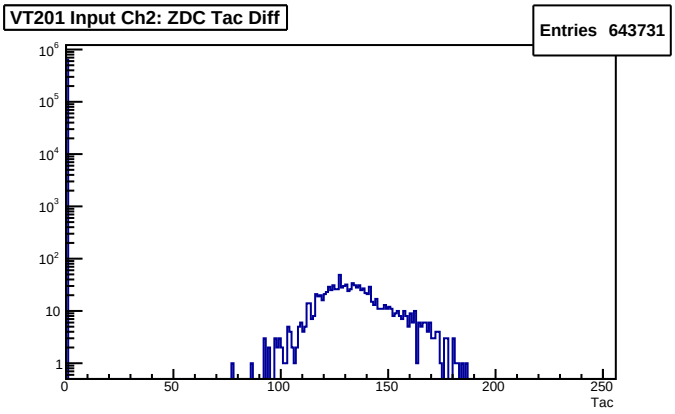

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

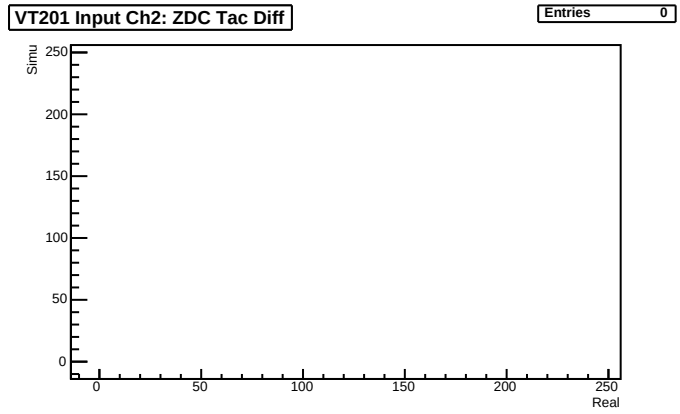

VT201 Input Ch1: EPD Tac Diff
Entries 643731
Tac

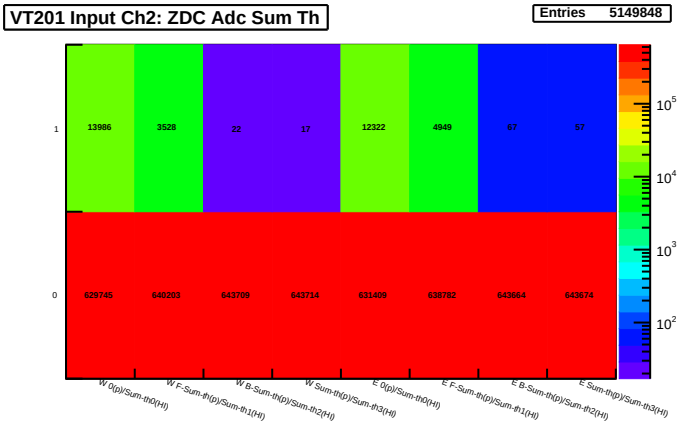

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

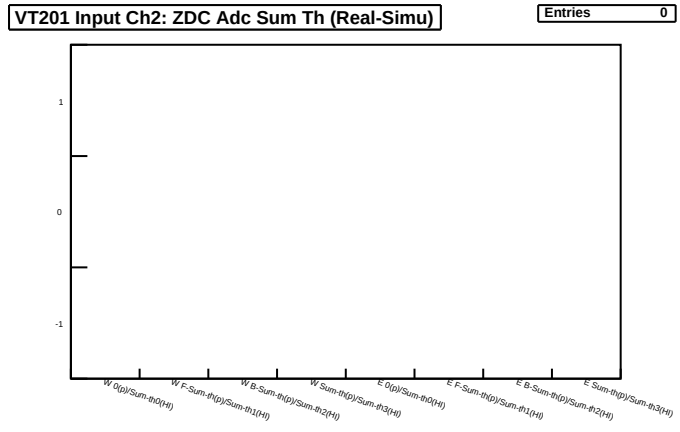

VT201 Input Ch1: EPD Hit Count Th
Entries 1287462
638070
636611
5661
7120
East
West

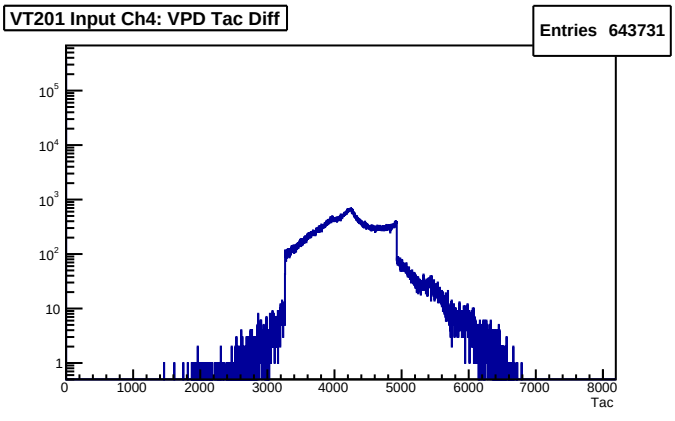

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

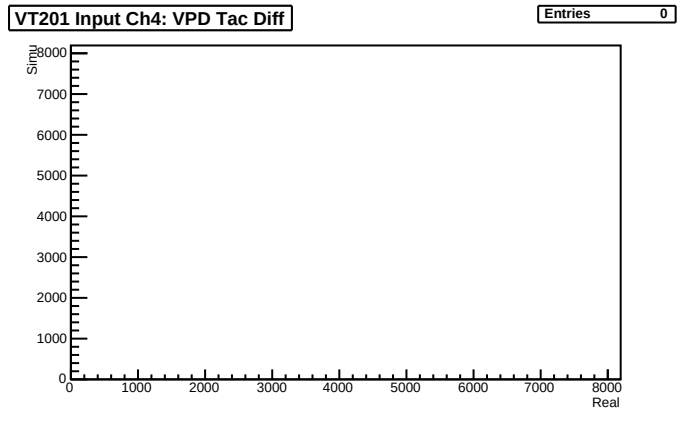

VT201 Input Ch2: ZDC Tac Diff
Entries 643731
Tac

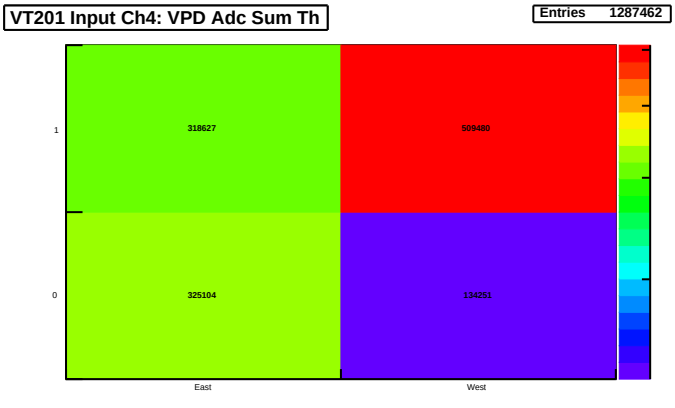

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

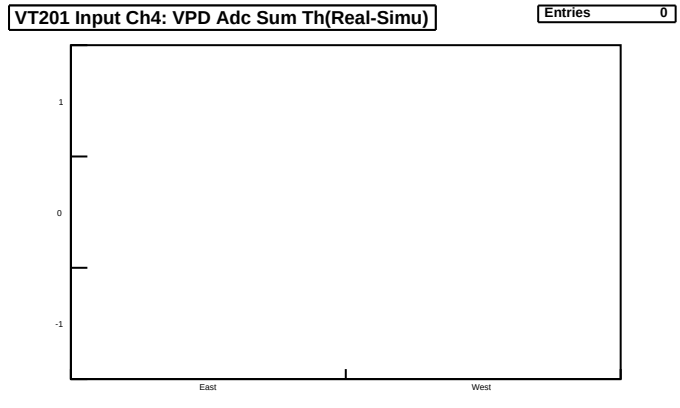

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5149848
13986
3528
22
17
12322
4949
67
57
629745
640203
643709
643714
631409
638782
643664
643674
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

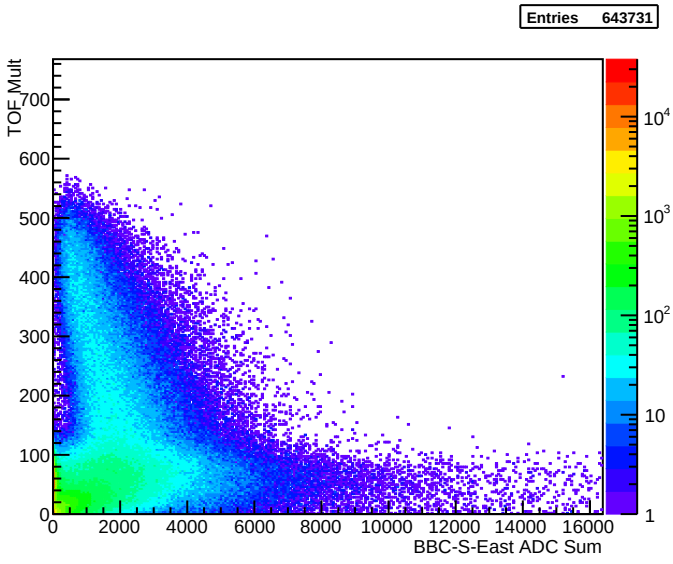

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

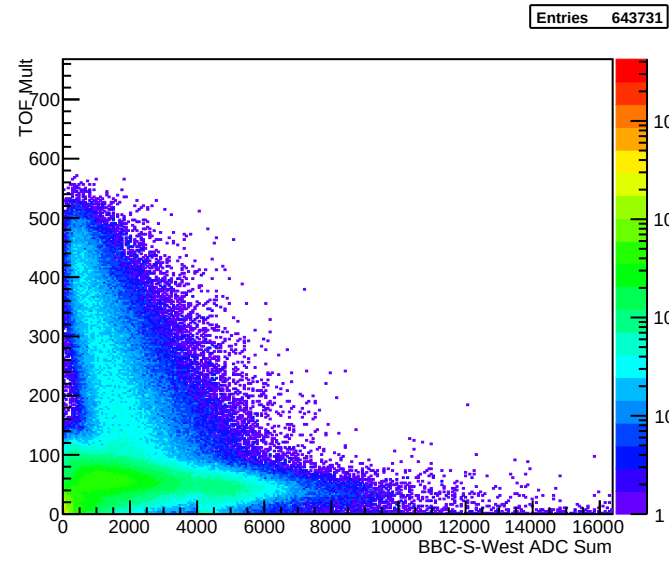

VT201 Input Ch4: VPD Tac Diff
Entries 643731
Tac

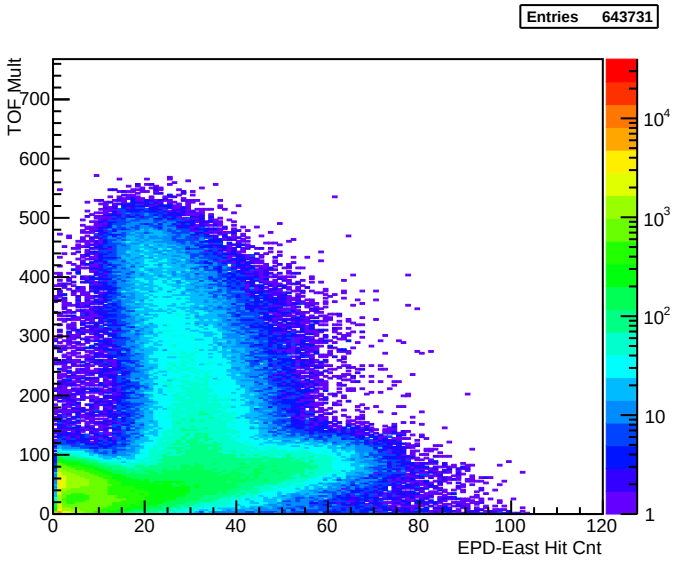

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

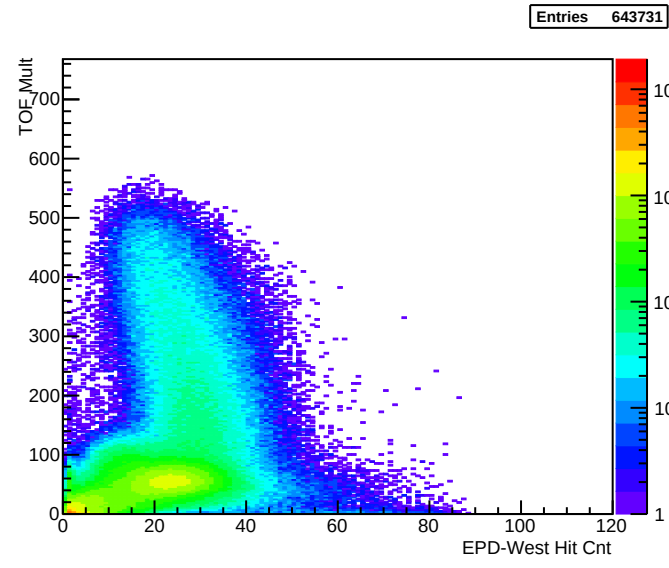

VT201 Input Ch4: VPD Adc Sum Th
Entries 1287462
318627
509480
325104
134251
East
West

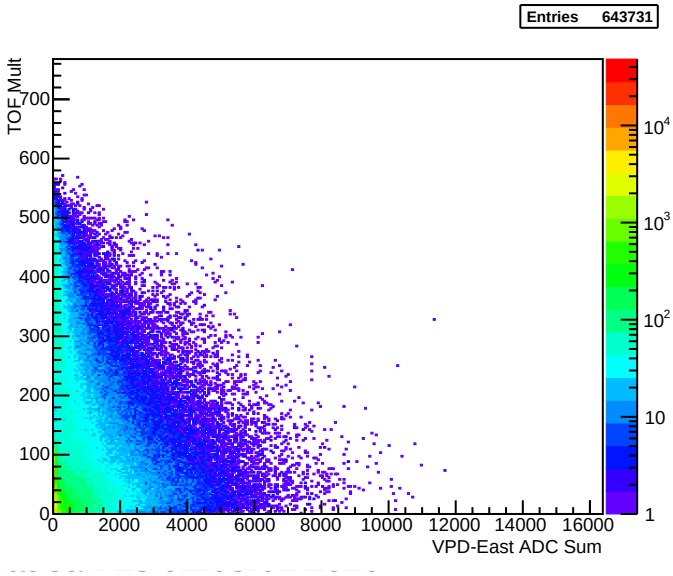

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

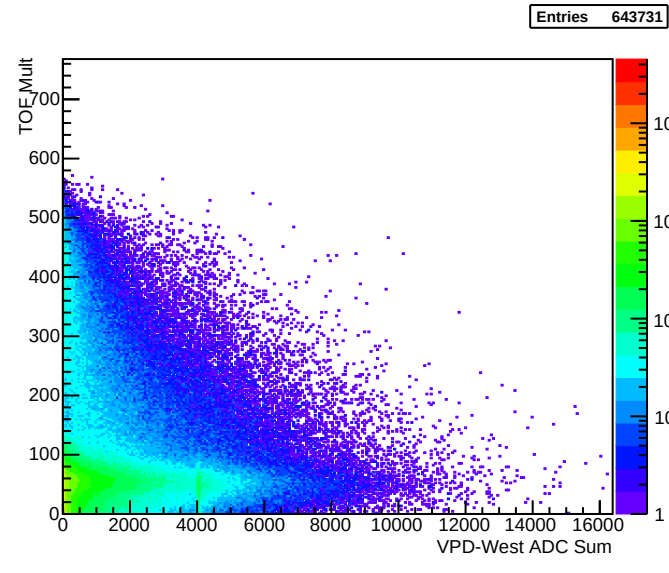

Entries 643731
TOF_Mult
BBC-S-East ADC Sum

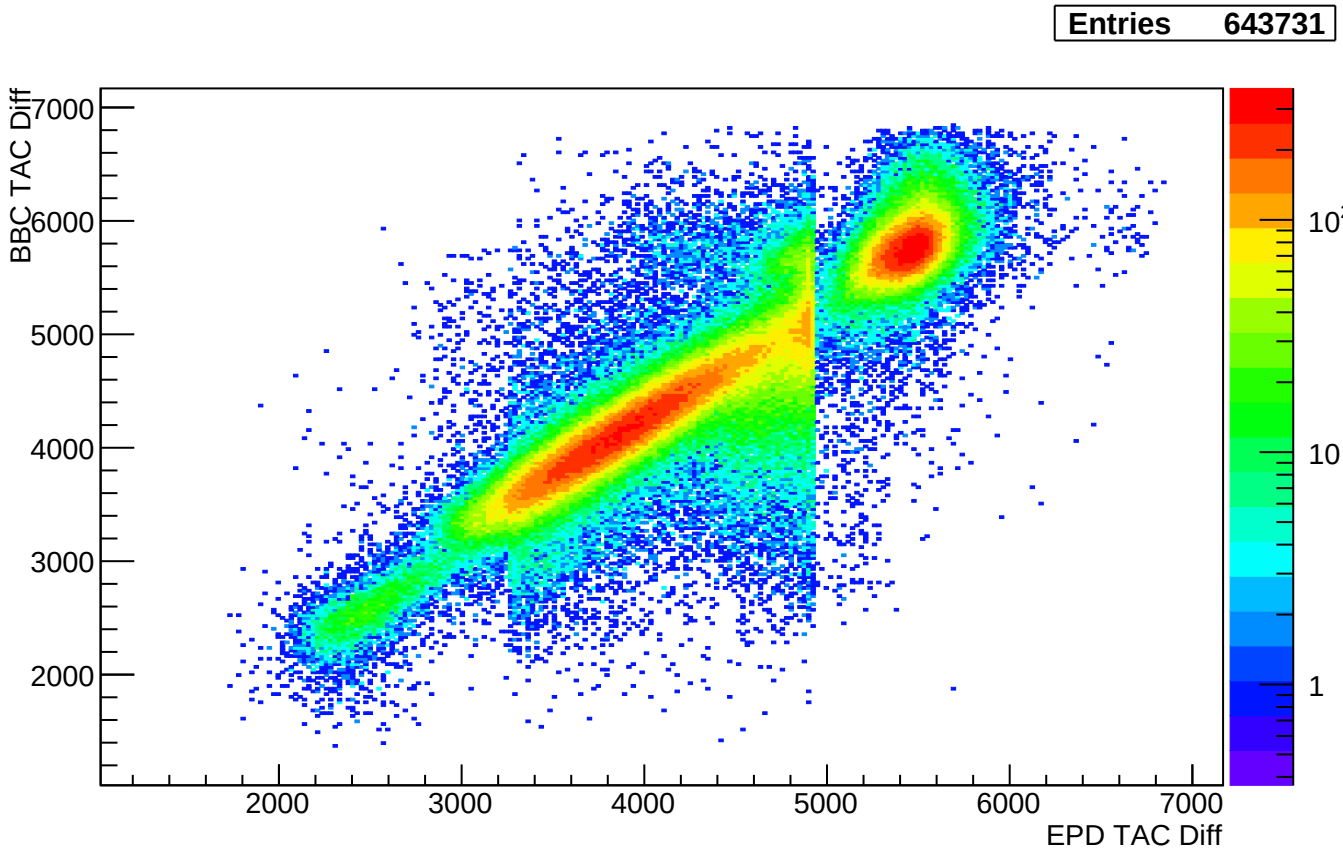

Entries 643731
TOF_Mult
BBC-S-West ADC Sum

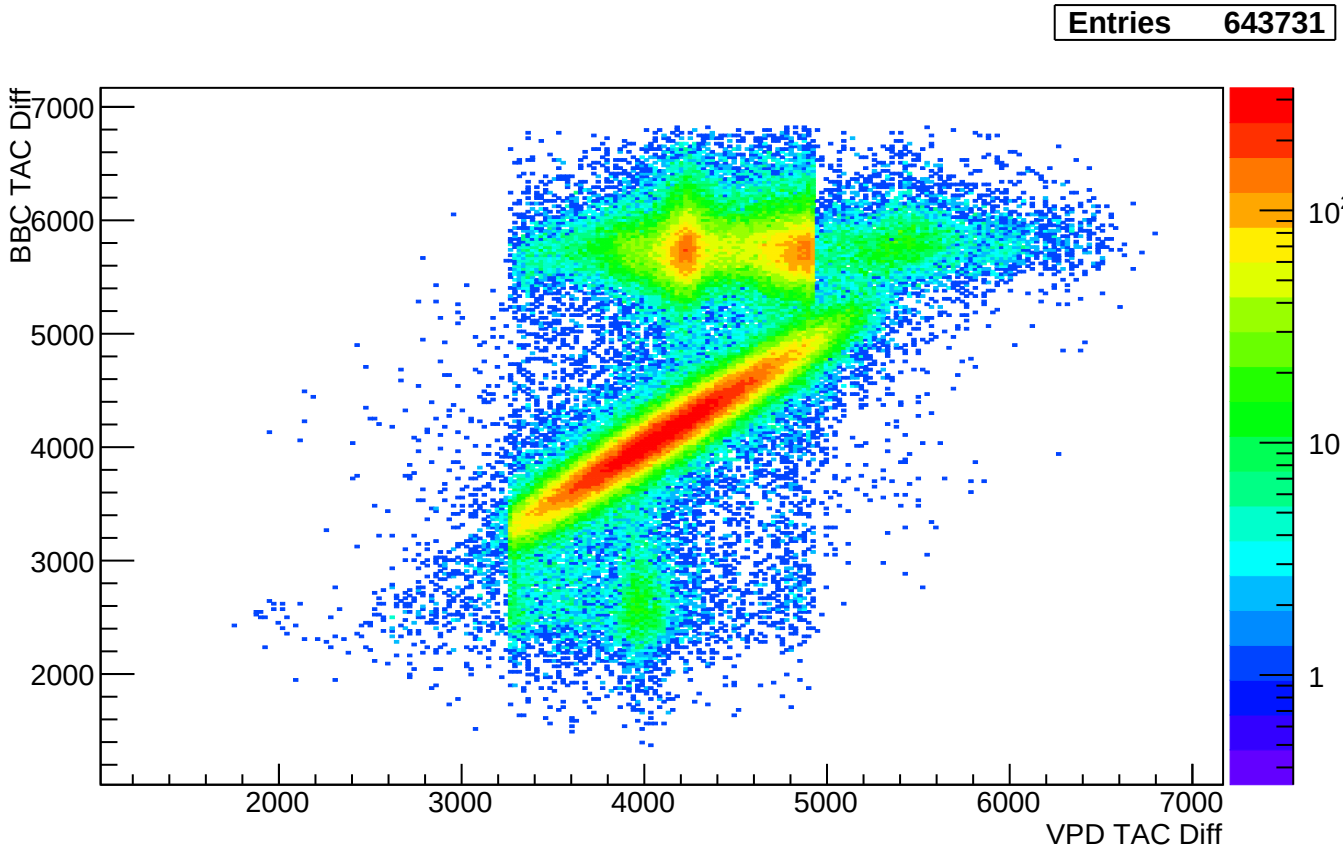

Entries 643731
TOF_Mult
EPD-East Hit Cnt

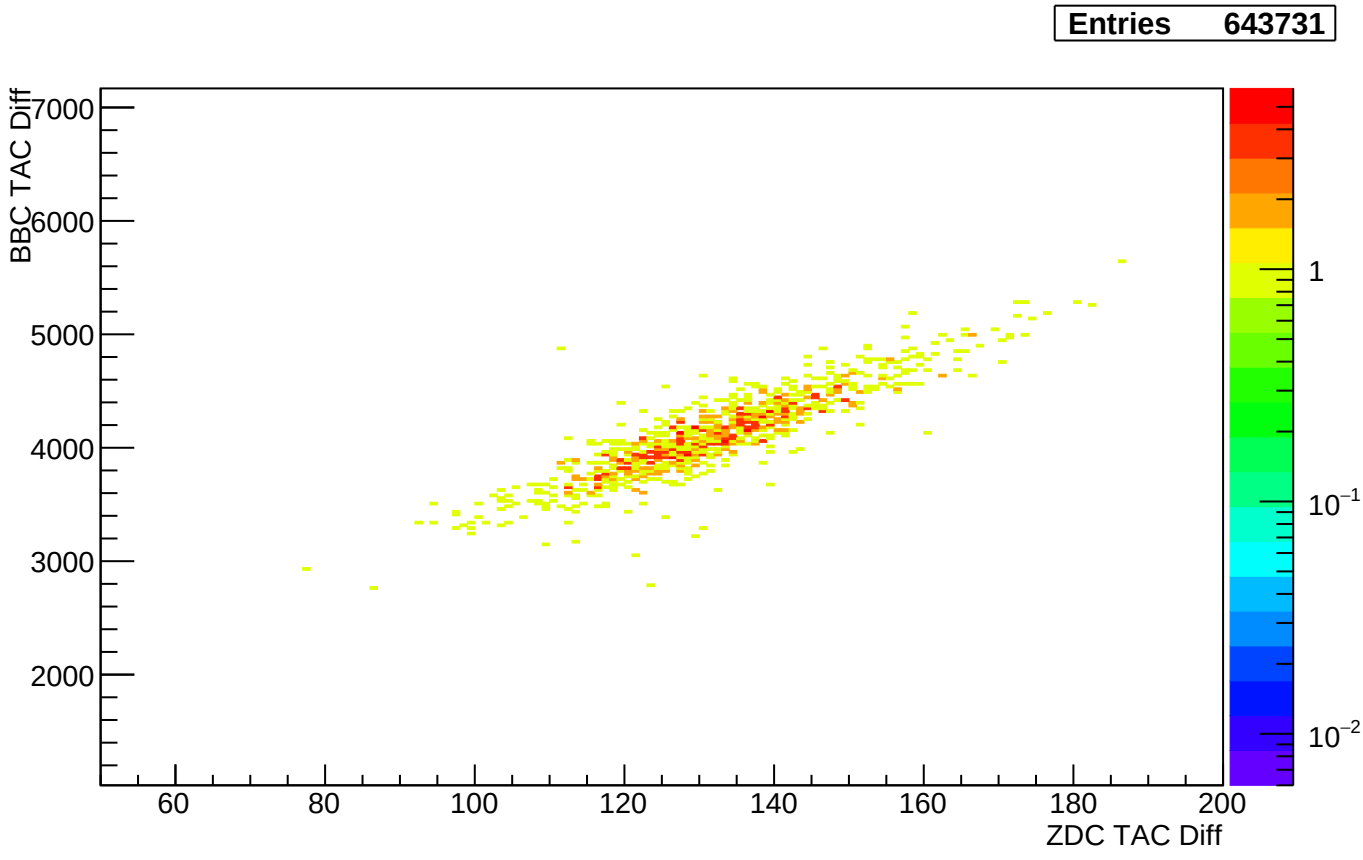

Entries 643731
TOF_Mult
EPD-West Hit Cnt

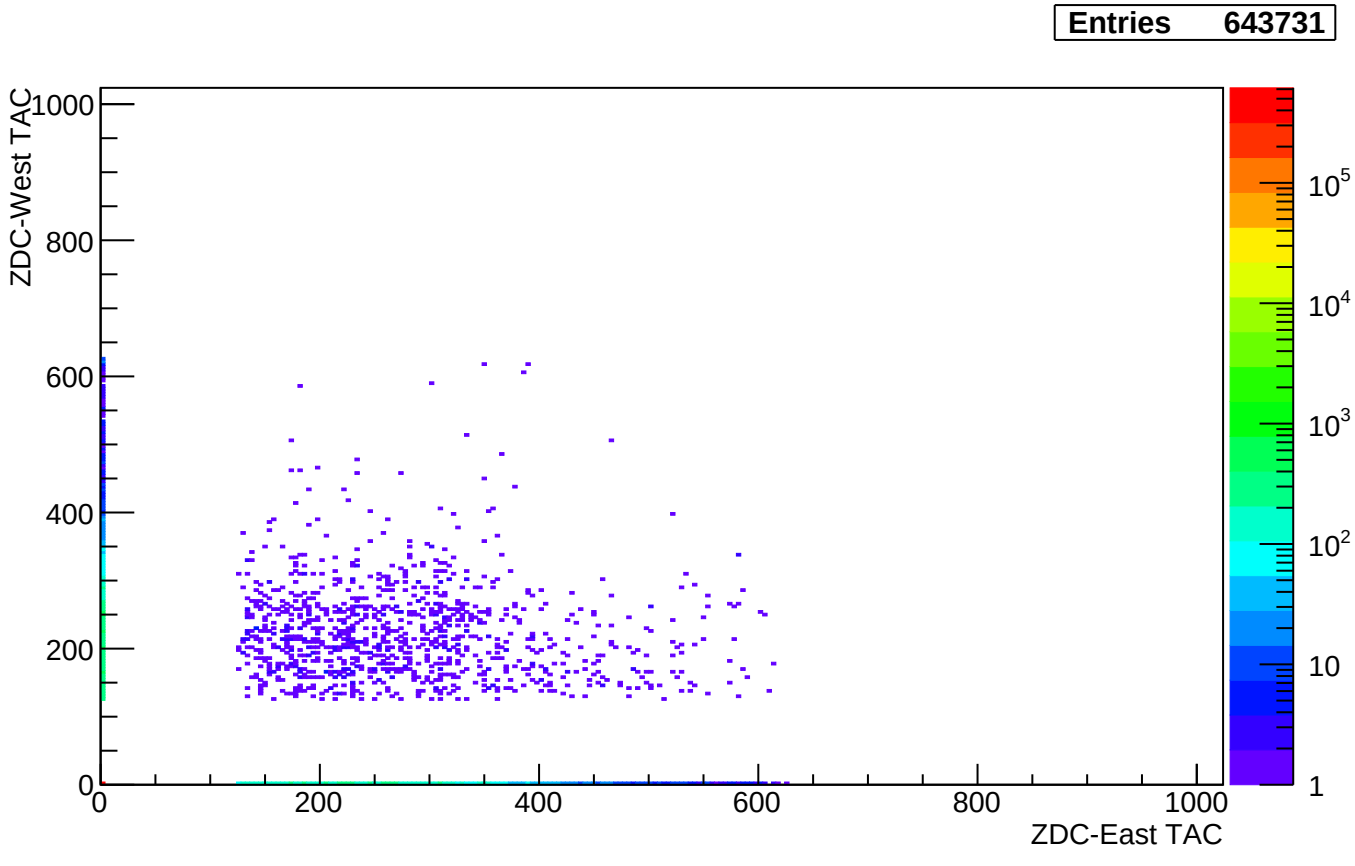

Entries 643731
TOF_Mult
VPD-East ADC Sum

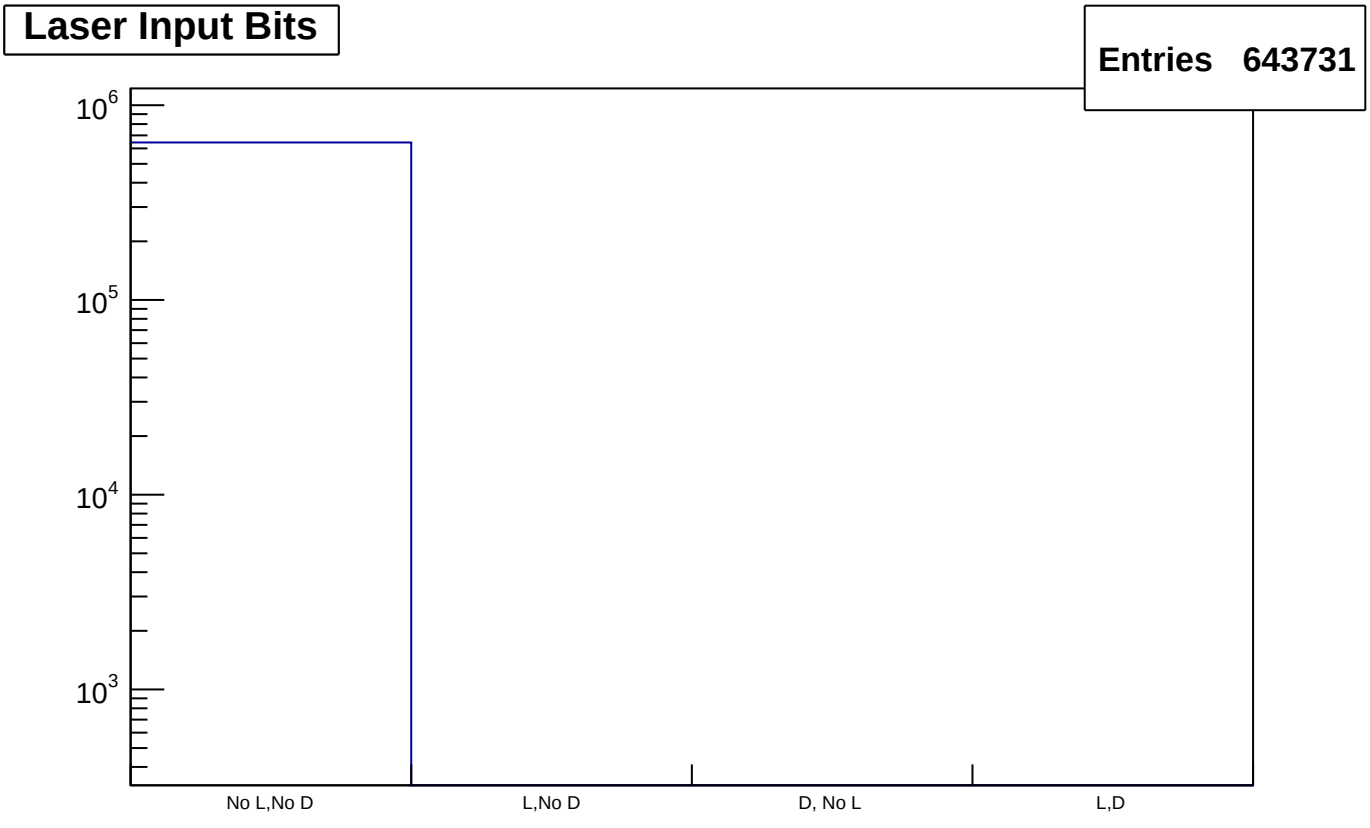

Entries 643731
TOF_Mult
VPD-West ADC Sum

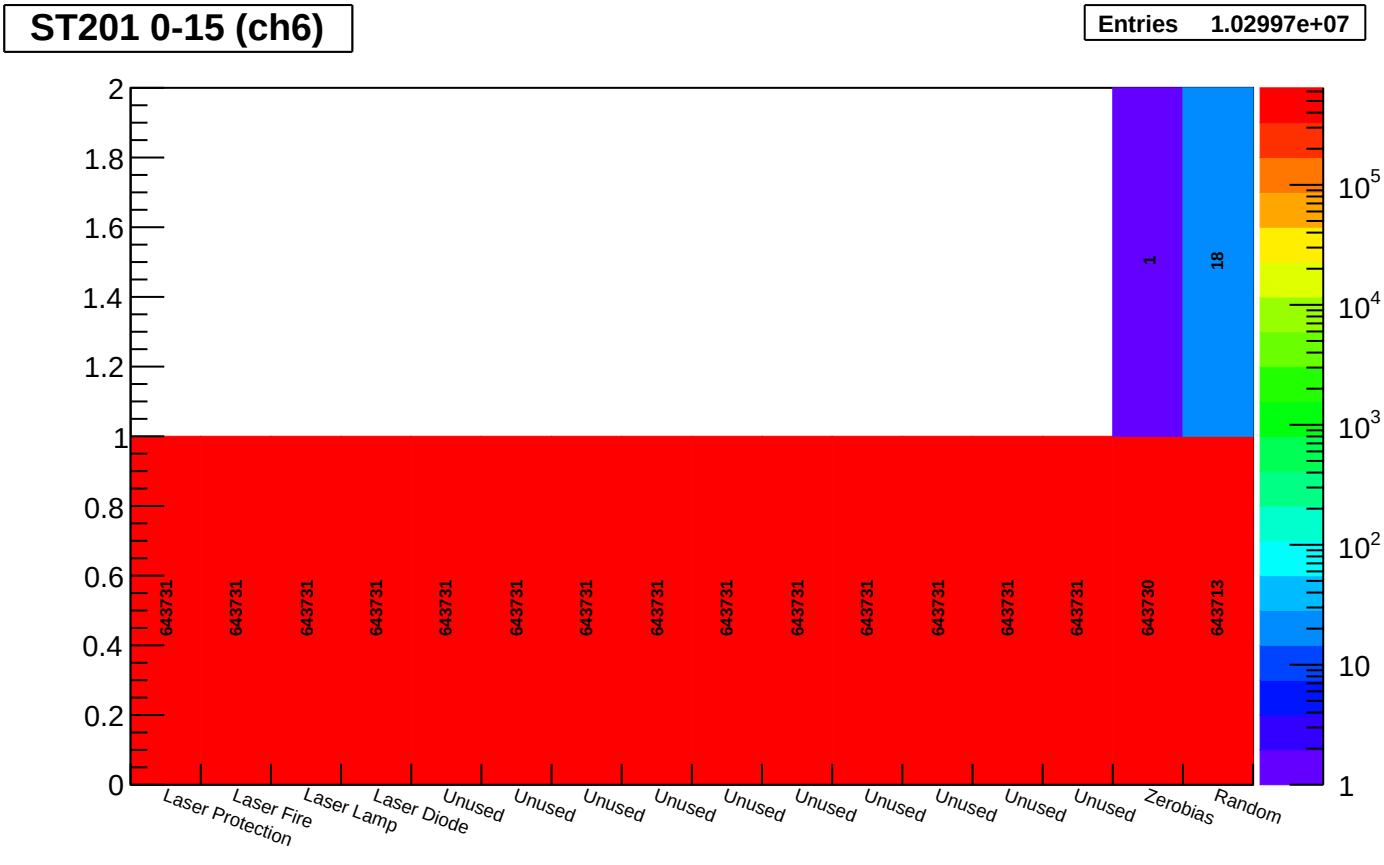

Entries 643731
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

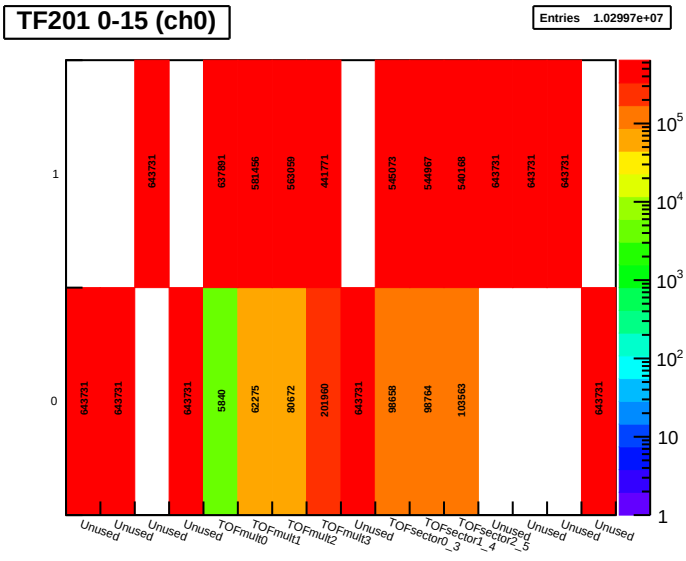

Entries 643731
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

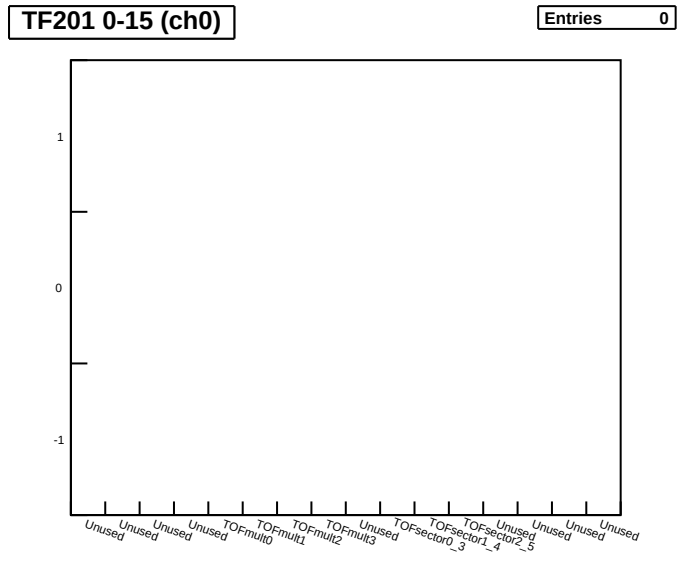

Entries 643731
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

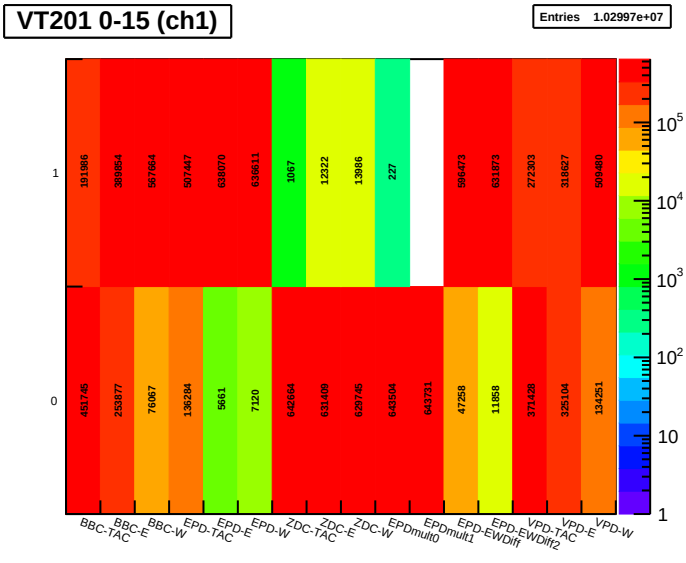

Entries 643731
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

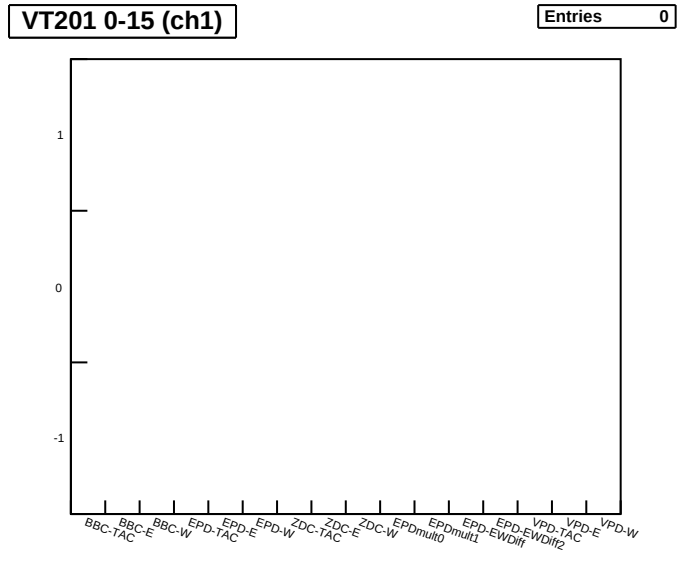

Laser Input Bits
Entries 643731
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

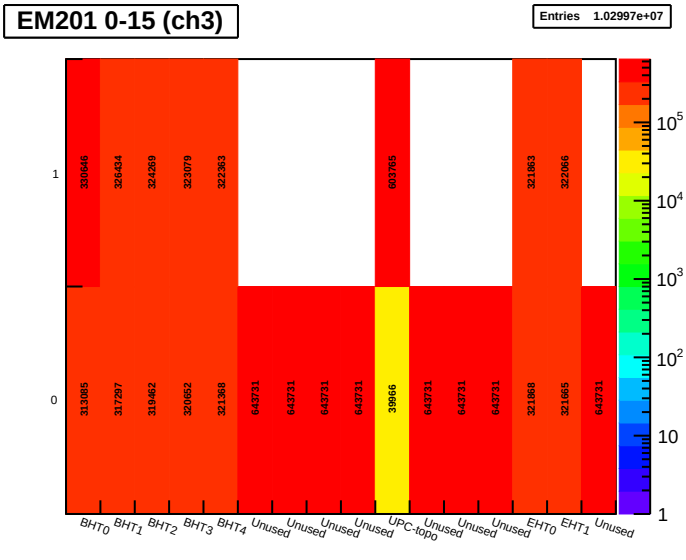

ST201 0-15 (ch6)
Entries 1.02997e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
643731
643731
643731
643731
643731
643731
643731
643731
643731
643731
643731
643731
643731
643731
643730
643713
1
18
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

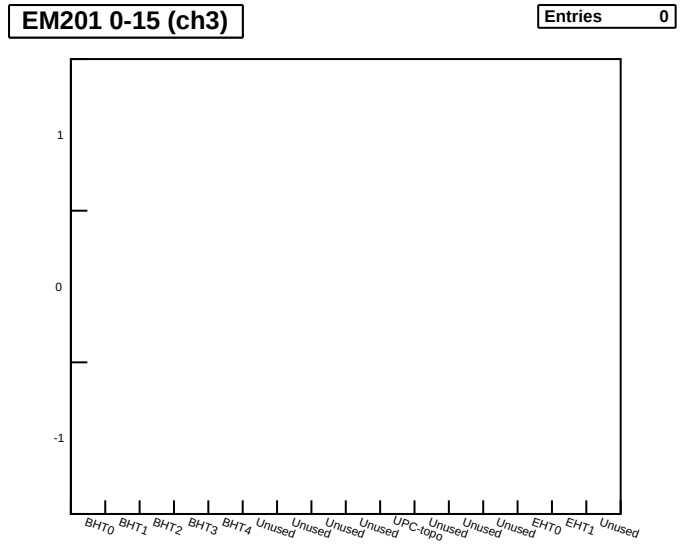

TF201 0-15 (ch0)
Entries 1.02997e+07
1
0
643731 637891 581456 563069 441771 545073 544967 540168 643731 643731 643731
643731 643731 643731 5940 62275 80672 201960 643731 98658 98764 103563 643731
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^5 10^4 10^3 10^2 10 1


TF201 0-15 (ch0)
Entries 0
1
0
-1
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused


VT201 0-15 (ch1)
Entries 1.02997e+07
1
0
191966 389854 567664 507447 638070 636611 1067 12322 13986 227 596473 631873 272303 318627 509480
451745 253877 76067 136284 5661 7120 642664 631409 629745 643504 643731 47258 11858 371428 325104 134251
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 1.02997e+07
1
0
330646 326434 324269 323079 322363 603765 321863 322066
313085 317297 319462 320652 321368 643731 643731 643731 643731 39966 643731 643731 643731 321868 321665 643731
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
10^5 10^4 10^3 10^2 10 1


EM201 0-15 (ch3)
Entries 0
1
0
-1
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused