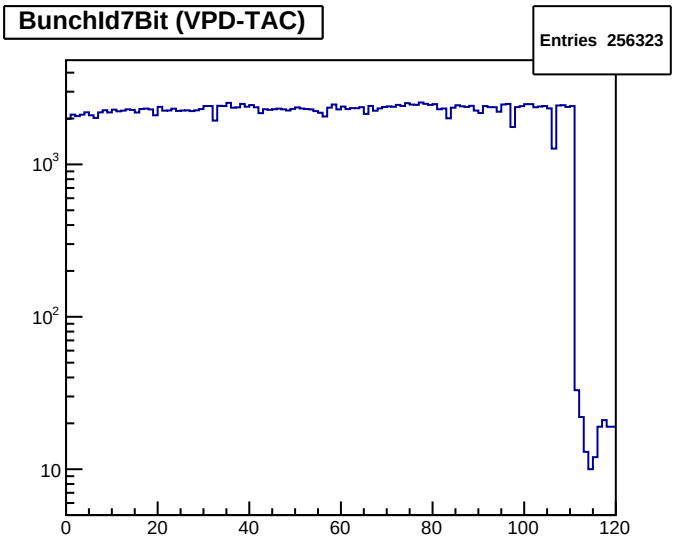
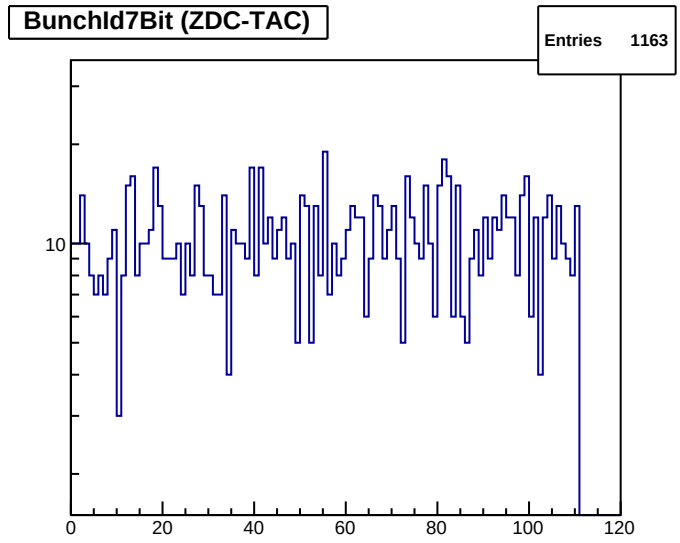
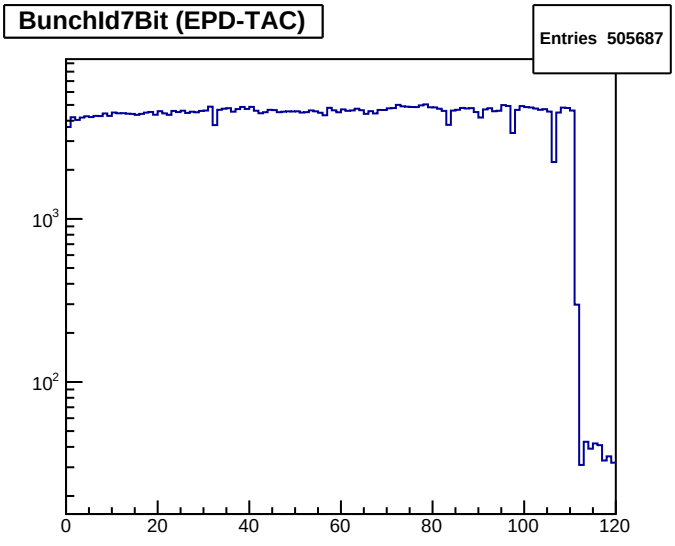
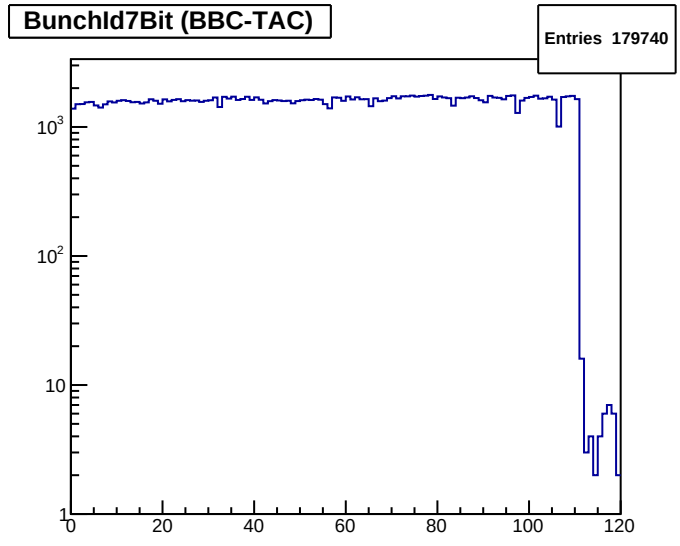
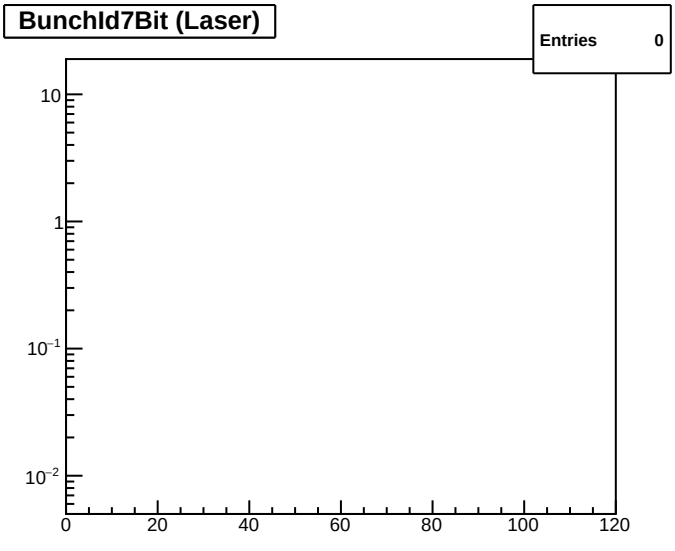
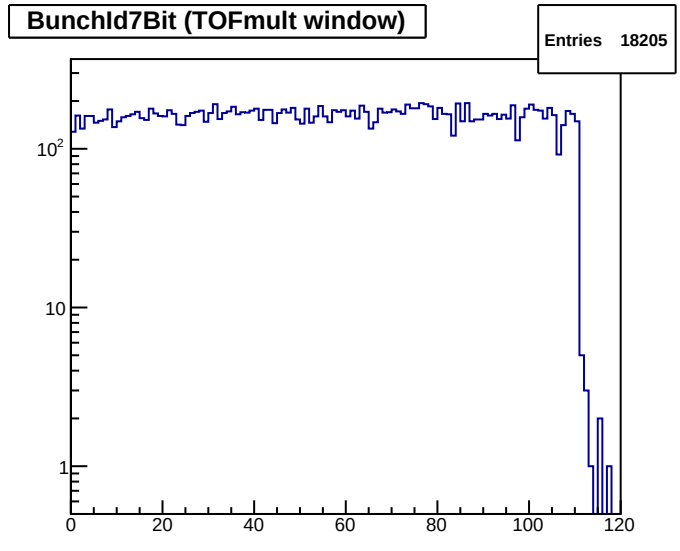

BunchId7Bit (VPD-TAC)
Entries 256323

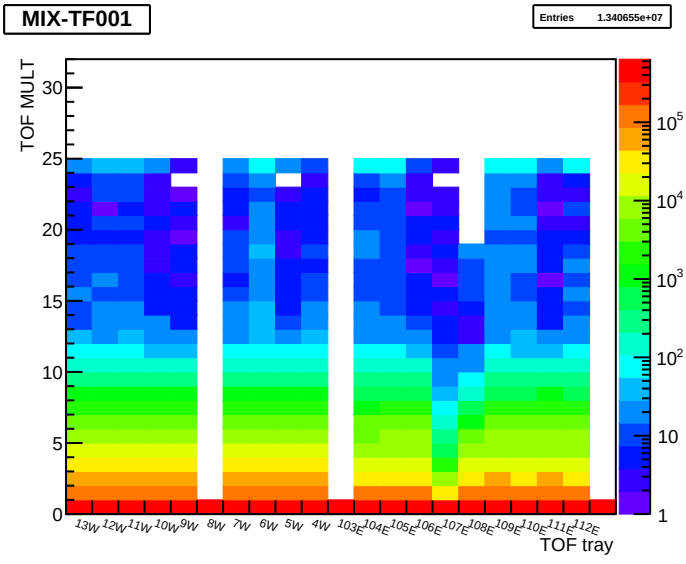

BunchId7Bit (ZDC-TAC)
Entries 1163

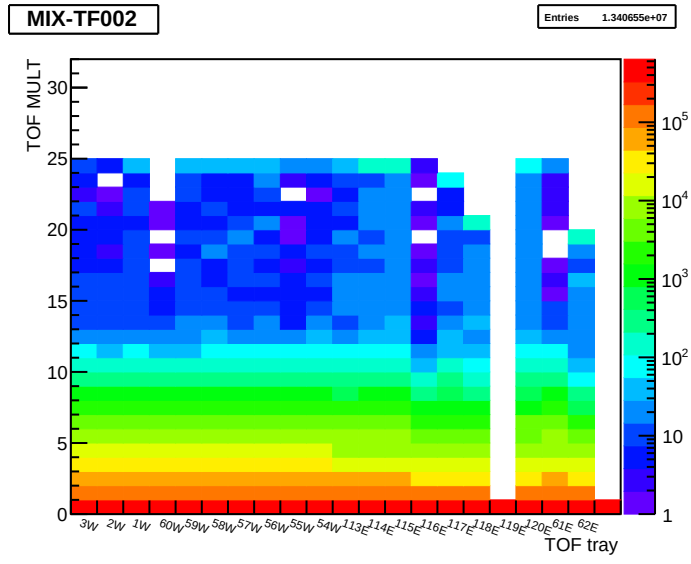

BunchId7Bit (EPD-TAC)
Entries 505687

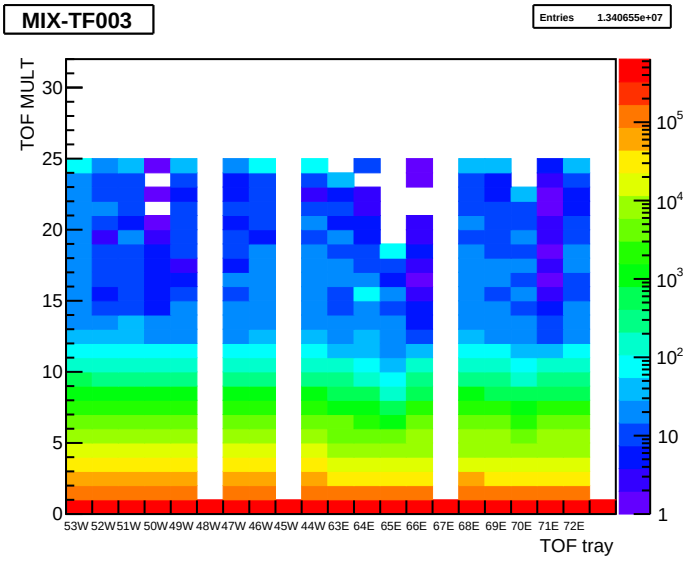

BunchId7Bit (BBC-TAC)
Entries 179740

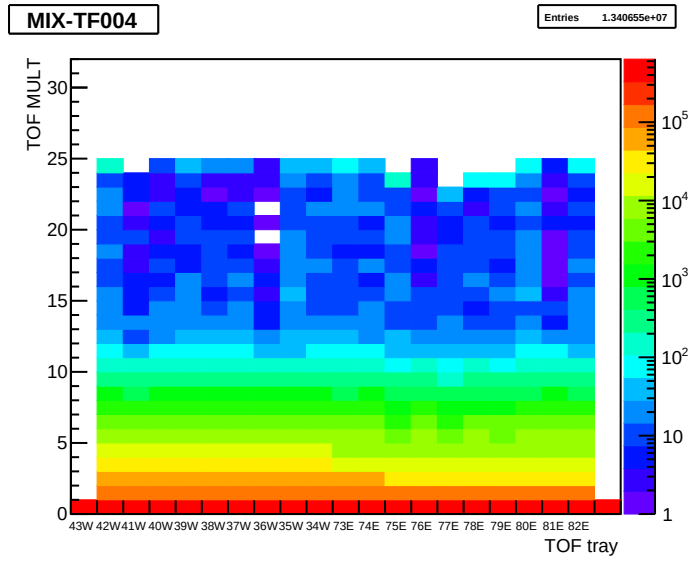

BunchId7Bit (Laser)
Entries 0

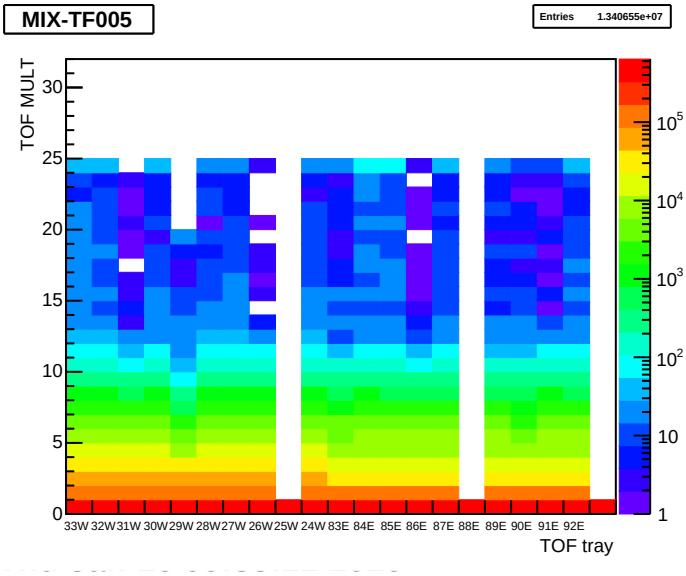

BunchId7Bit (TOFmult window)
Entries 18205

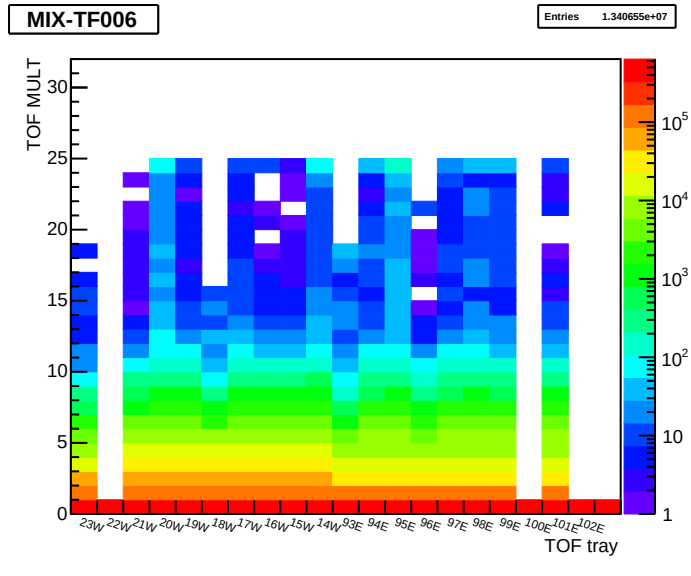

MIX-TF001
Entries 1.340655e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

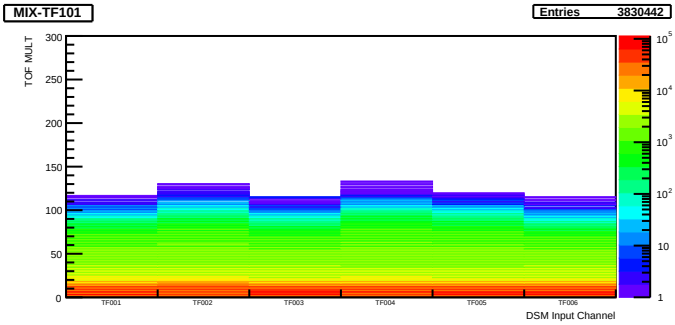

MIX-TF002
Entries 1.340655e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

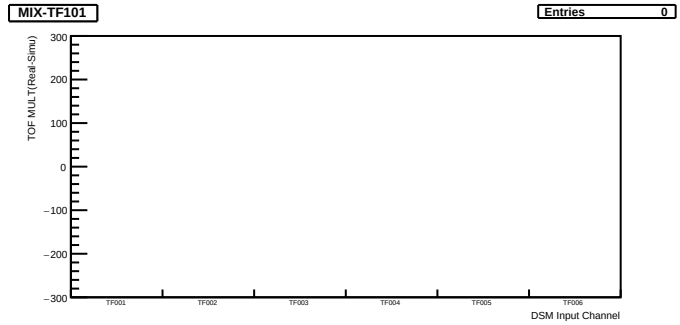

MIX-TF003
Entries 1.340655e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

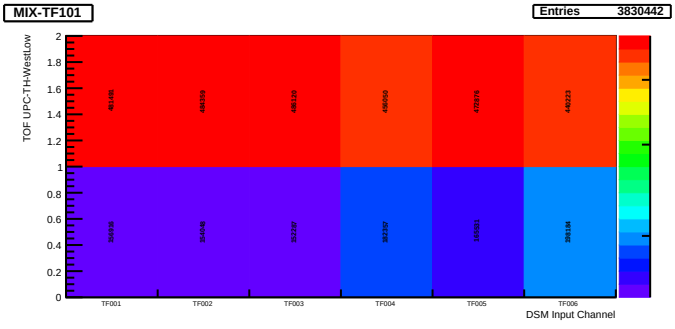

MIX-TF004
Entries 1.340655e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

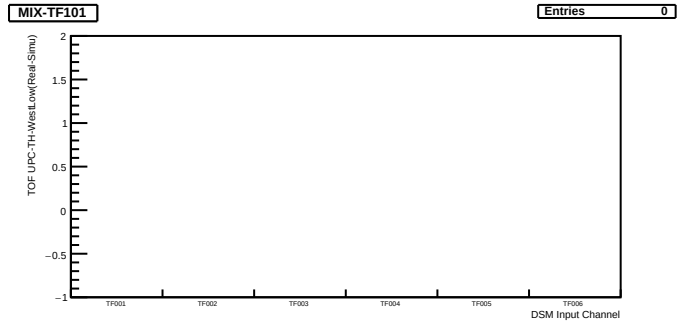

MIX-TF005
Entries 1.340655e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

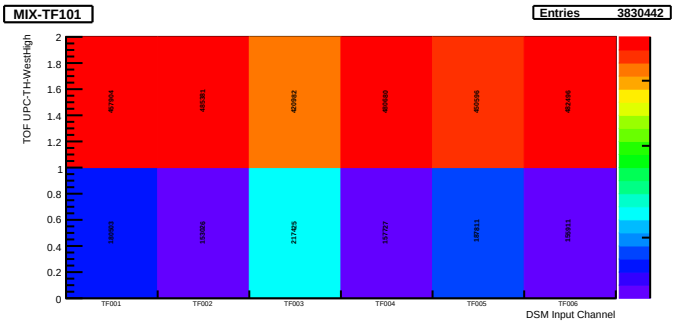

MIX-TF006
Entries 1.340655e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

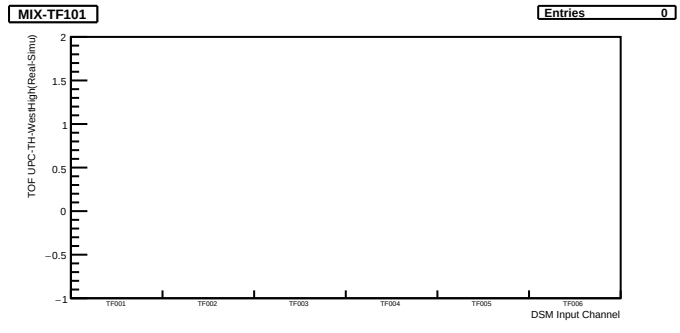

MIX-TF101
Entries 3830442
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

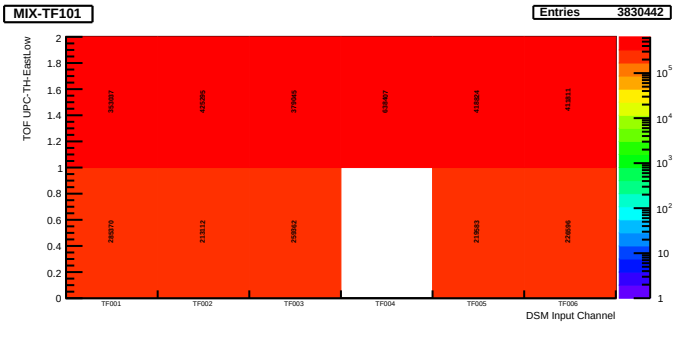

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

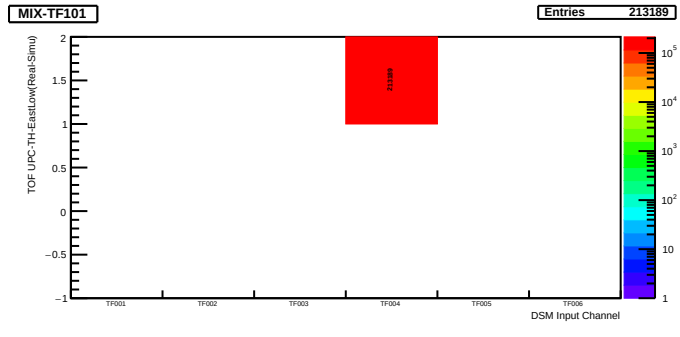

MIX-TF101
Entries 3830442
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

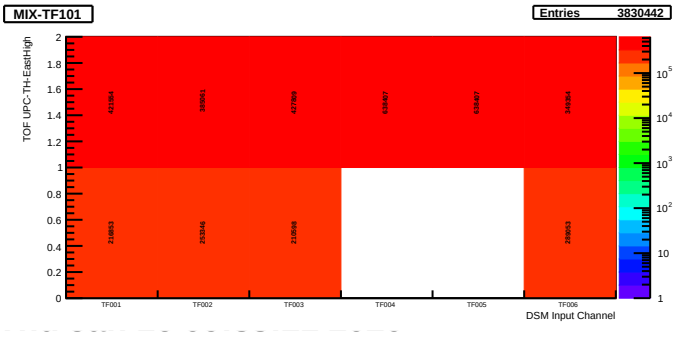

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

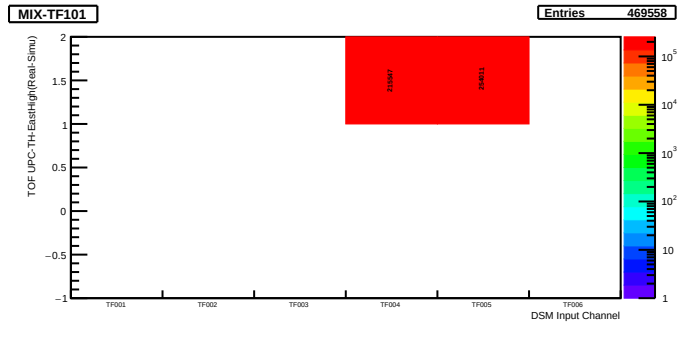

MIX-TF101
Entries 3830442
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

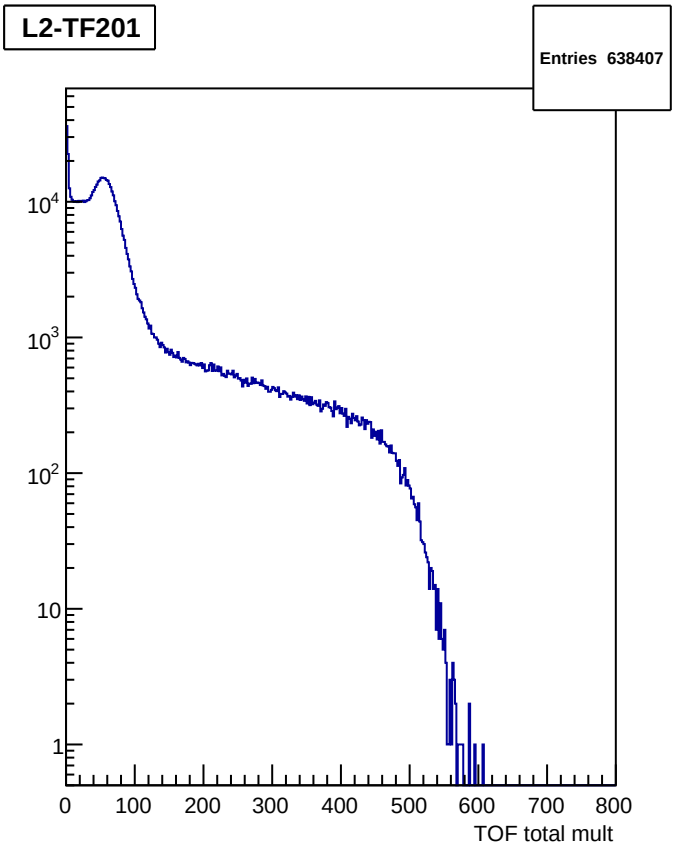

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

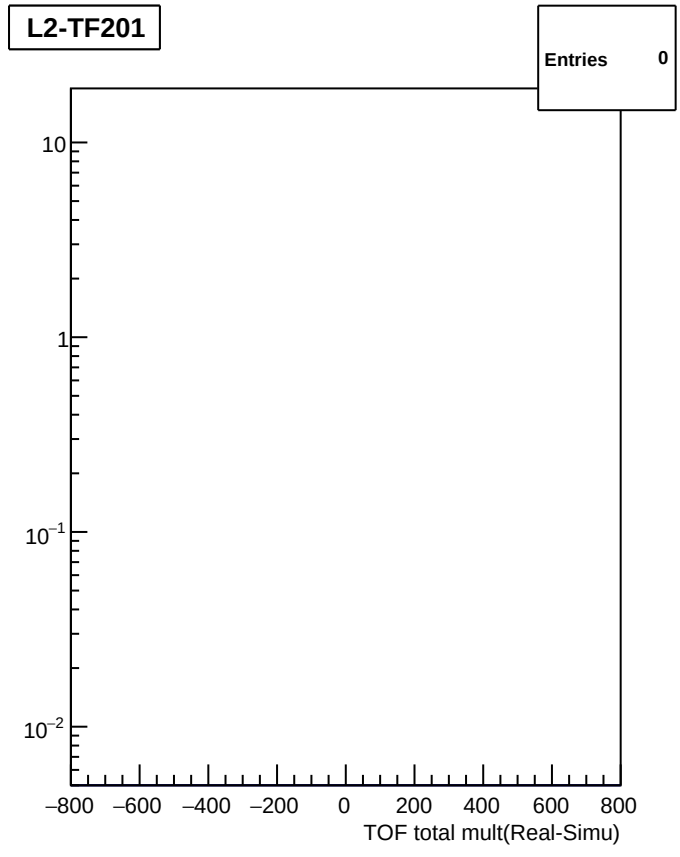

MIX-TF101
Entries 3830442
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

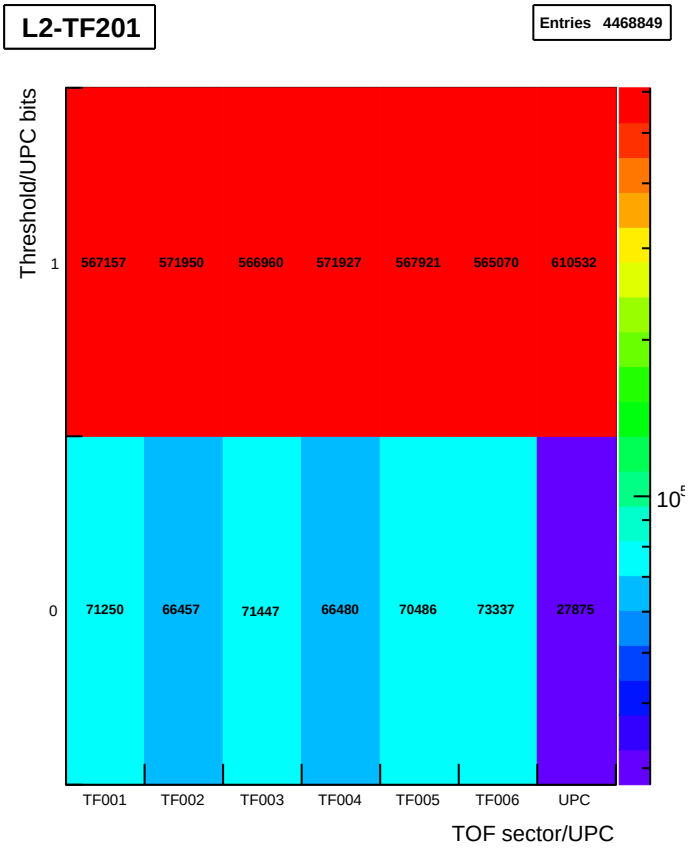

MIX-TF101
Entries 213189
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

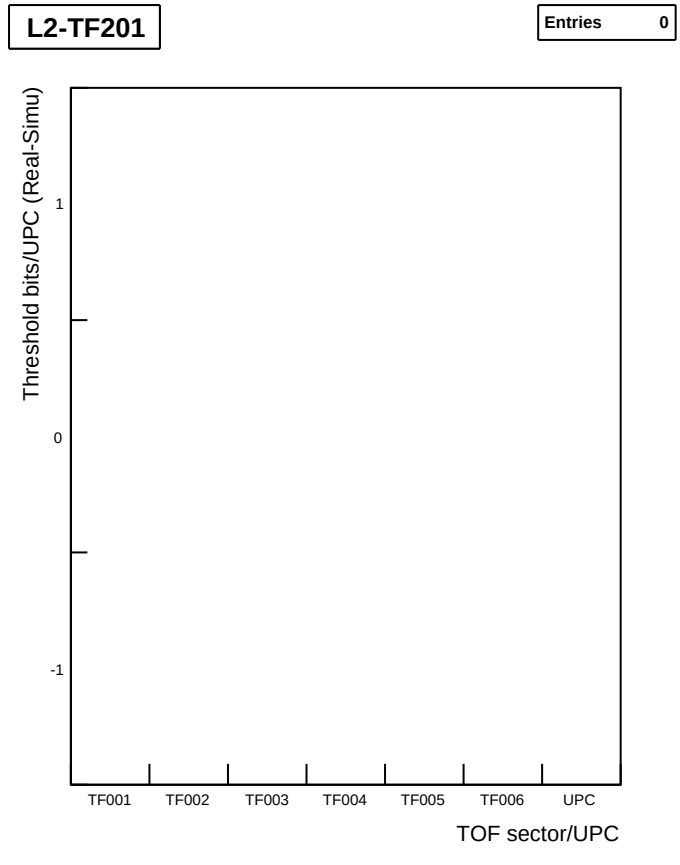

MIX-TF101
Entries 3830442
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

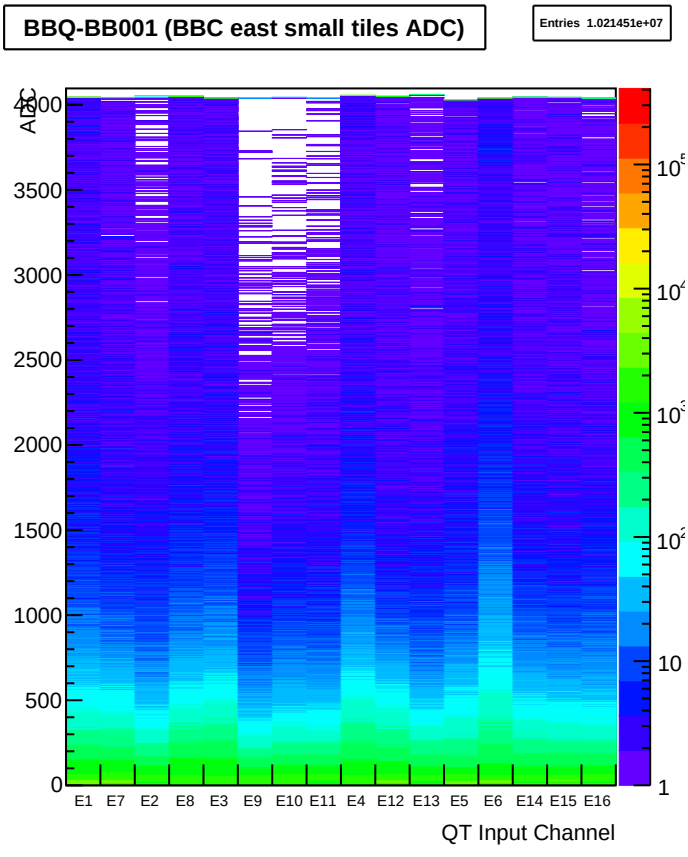

MIX-TF101
Entries 469558
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

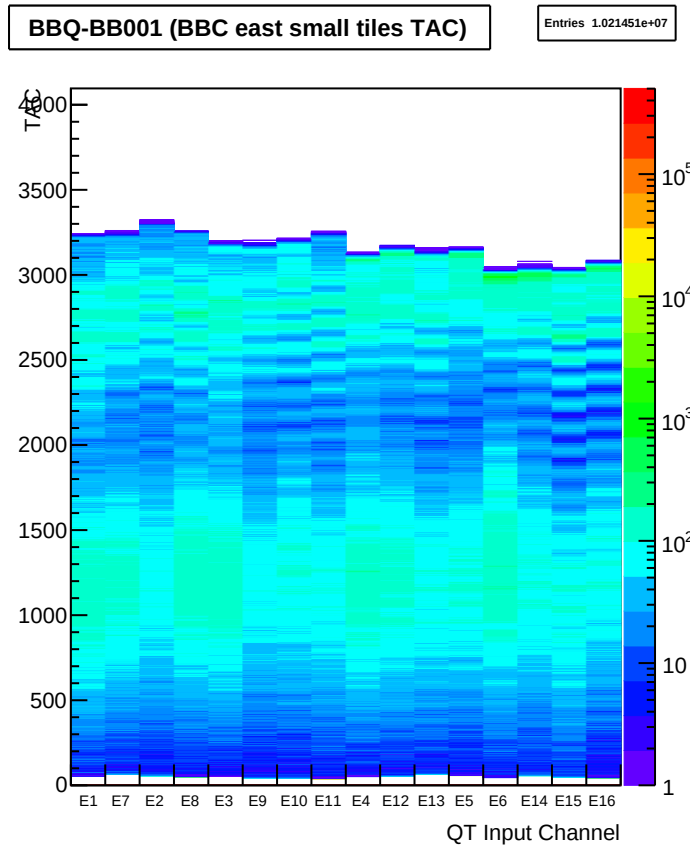

L2-TF201
Entries 638407
TOF total mult

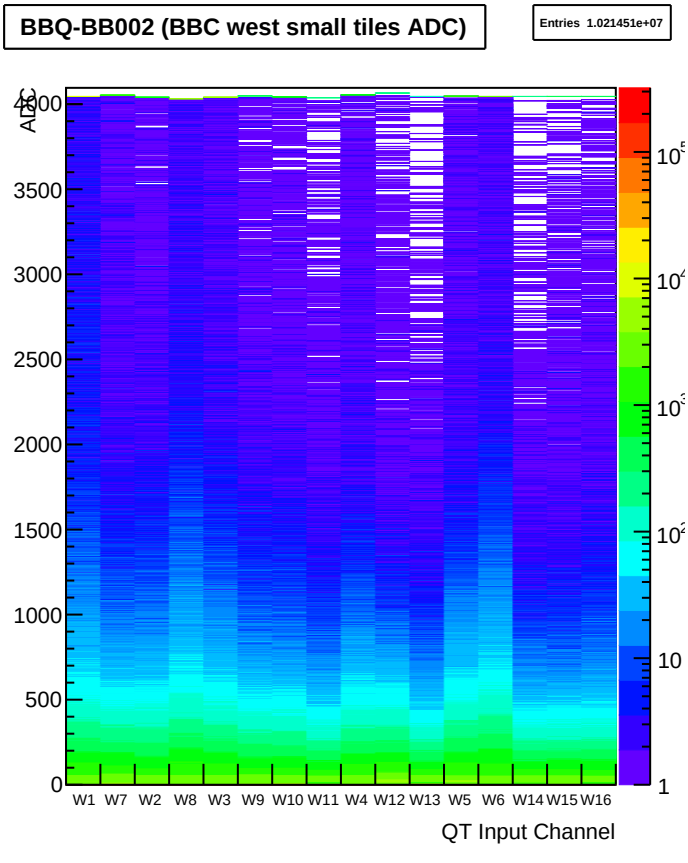

L2-TF201
Entries 0
TOF total mult(Real-Simu)

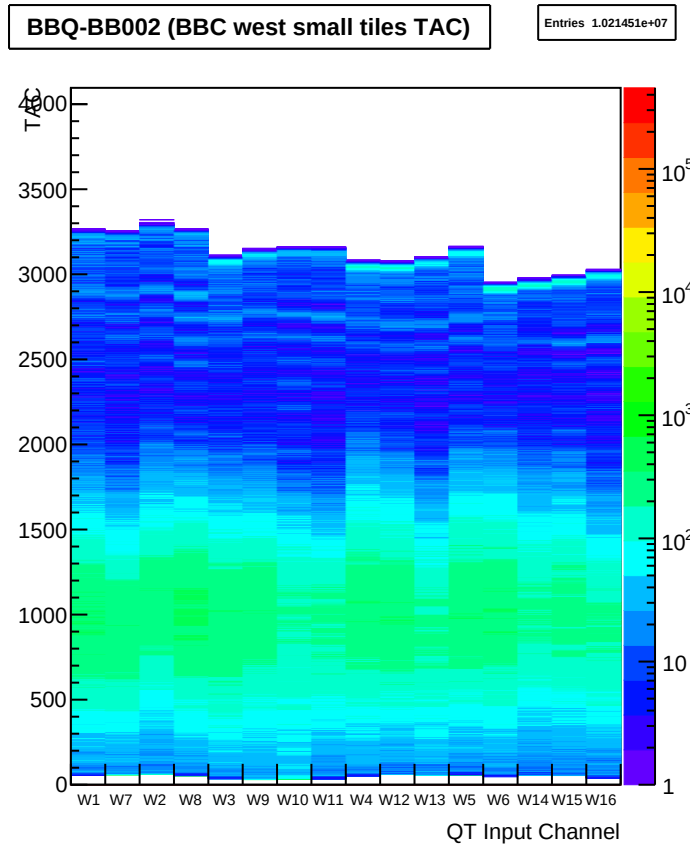

L2-TF201
Entries 4468849
Threshold/UPC bits
567157
571950
566960
571927
567921
565070
610532
71250
66457
71447
66480
70486
73337
27875
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

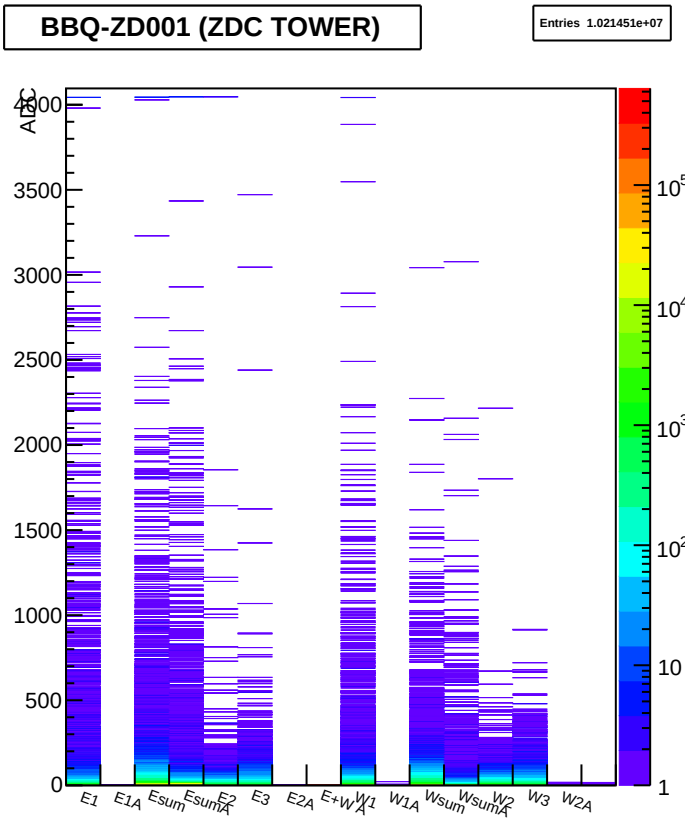

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

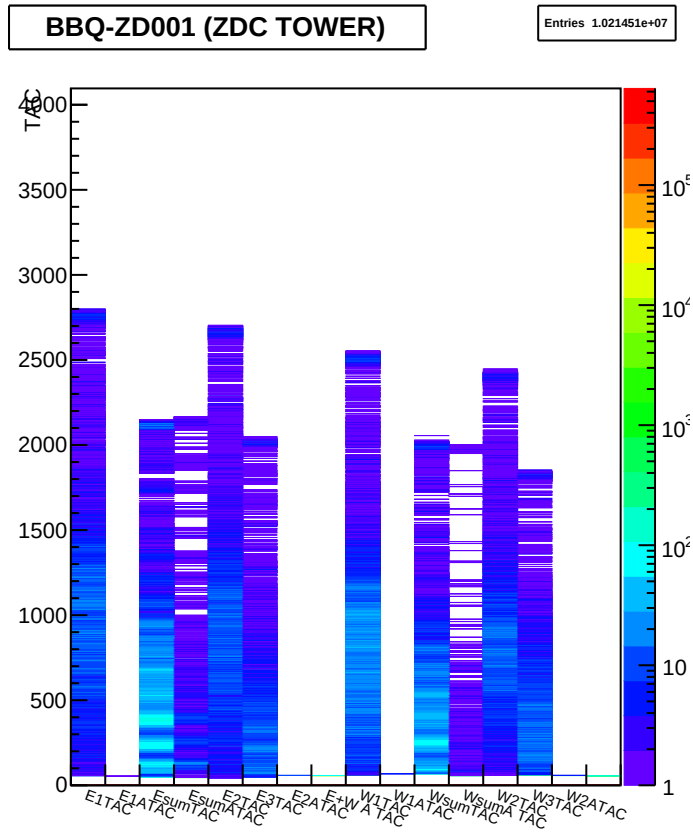

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.021451e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

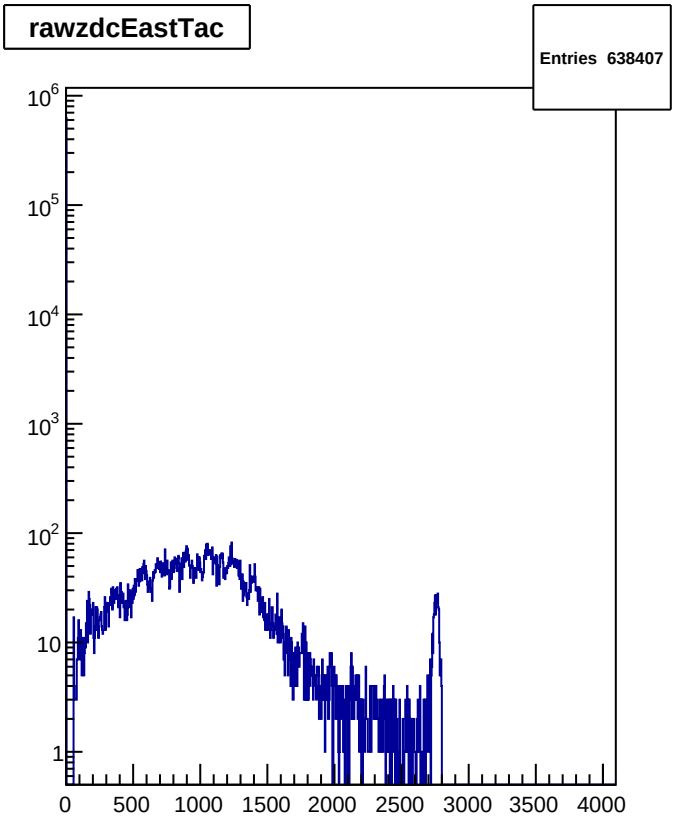

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.021451e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

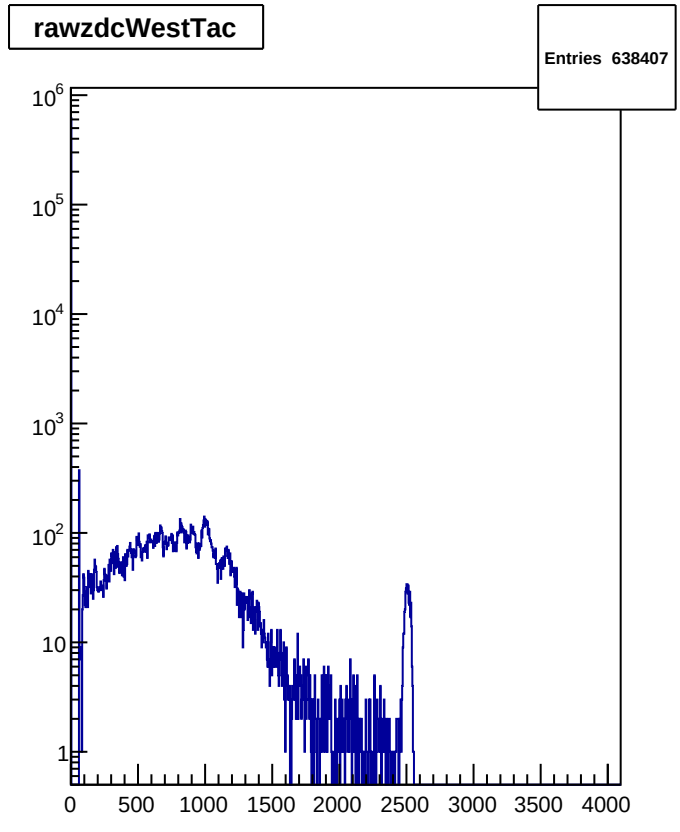

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.021451e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

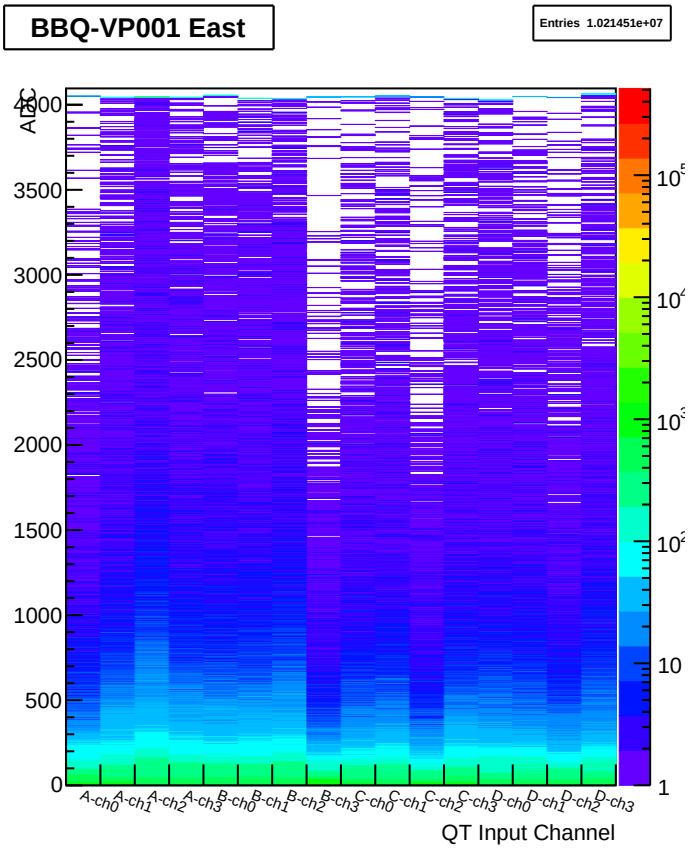

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.021451e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

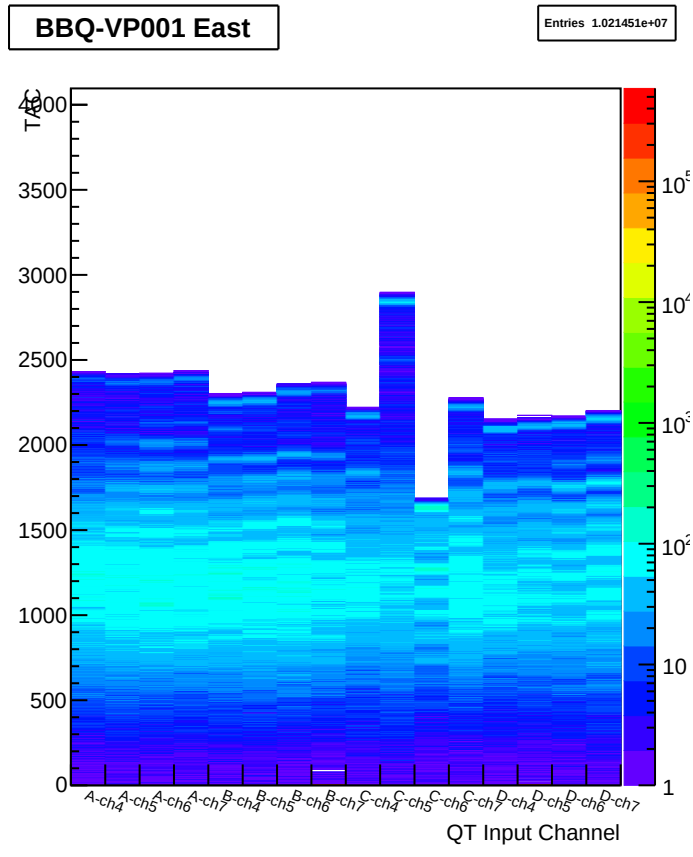

BBQ-ZD001 (ZDC TOWER)
Entries 1.021451e+07
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1A
W1A
Wsum
WsumA
W2
W3
W2A

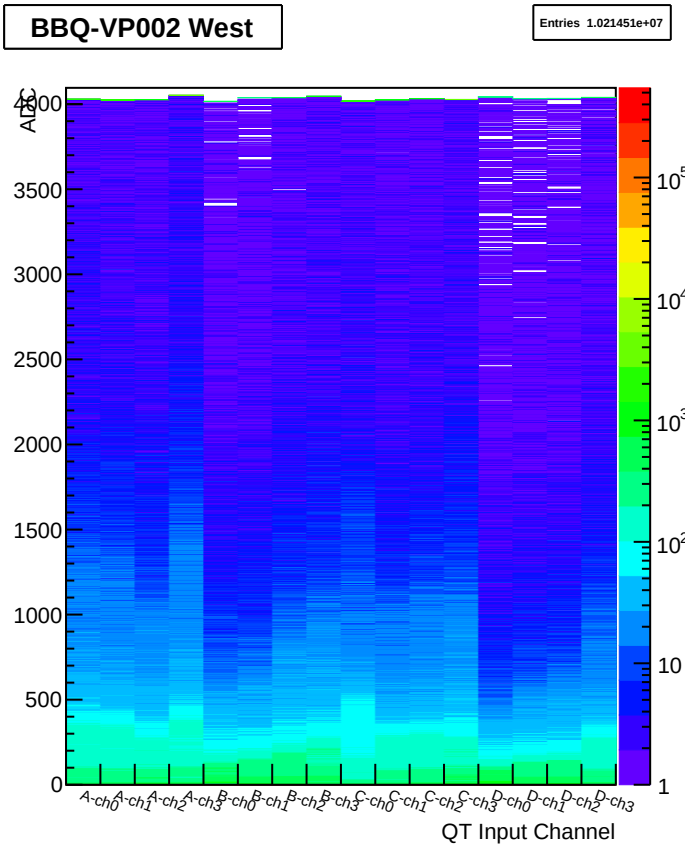

BBQ-ZD001 (ZDC TOWER)
Entries 1.021451e+07
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

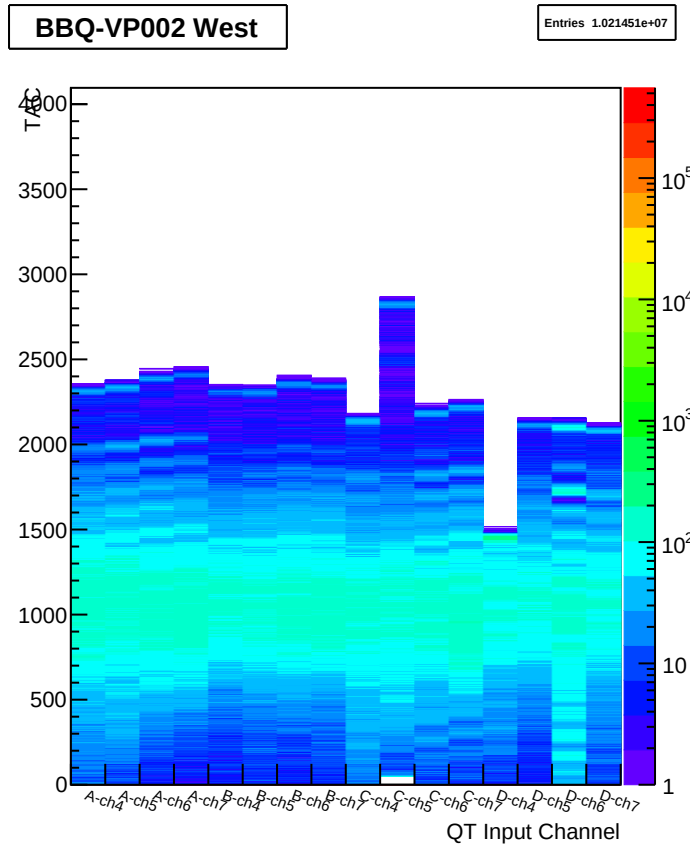

rawzdcEastTac
Entries 638407

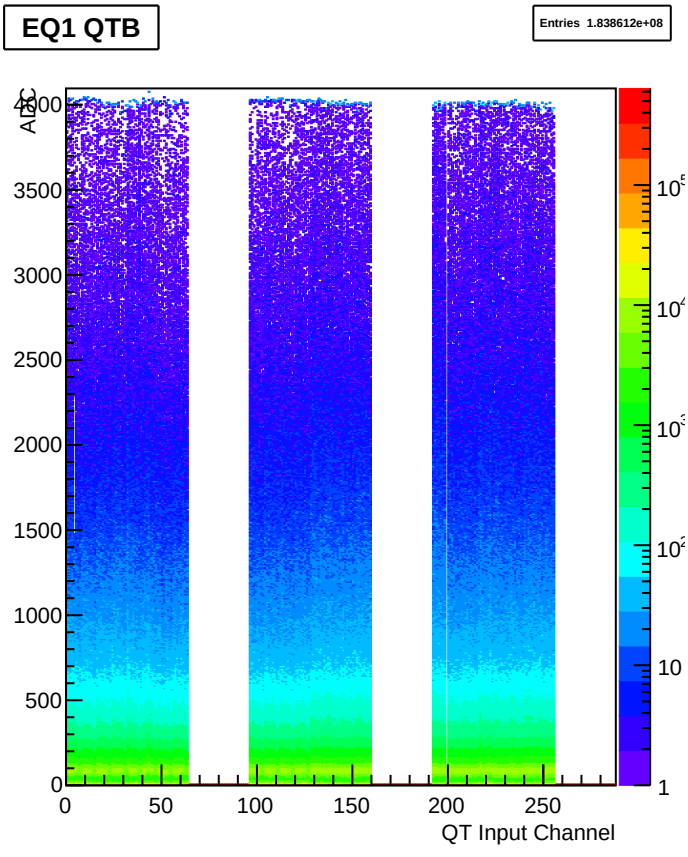

rawzdcWestTac
Entries 638407

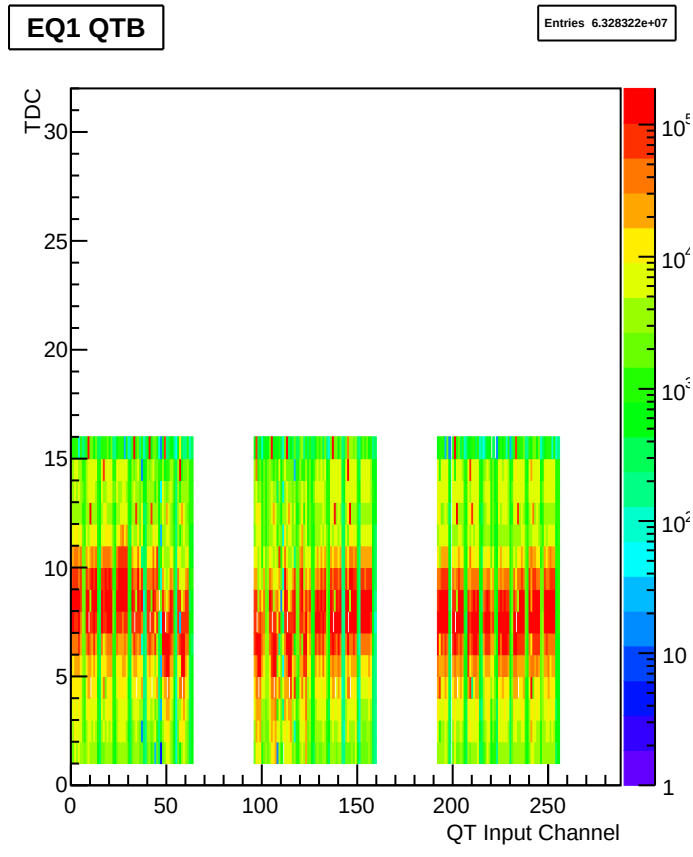

BBQ-VP001 East
Entries 1.021451e+07
ADC
QT Input Channel

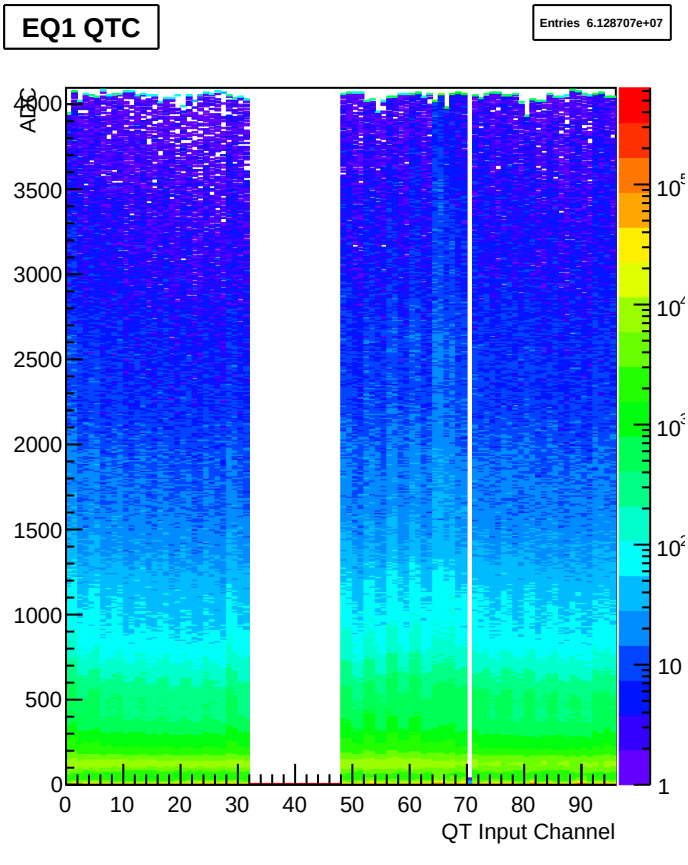

BBQ-VP001 East
Entries 1.021451e+07
TADC
QT Input Channel

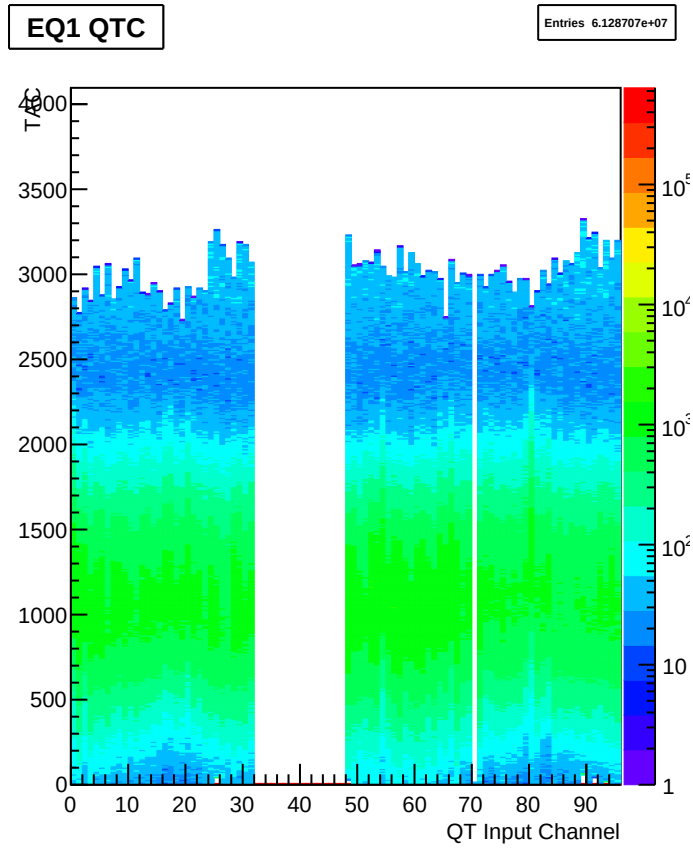

BBQ-VP002 West
Entries 1.021451e+07
ADC
QT Input Channel

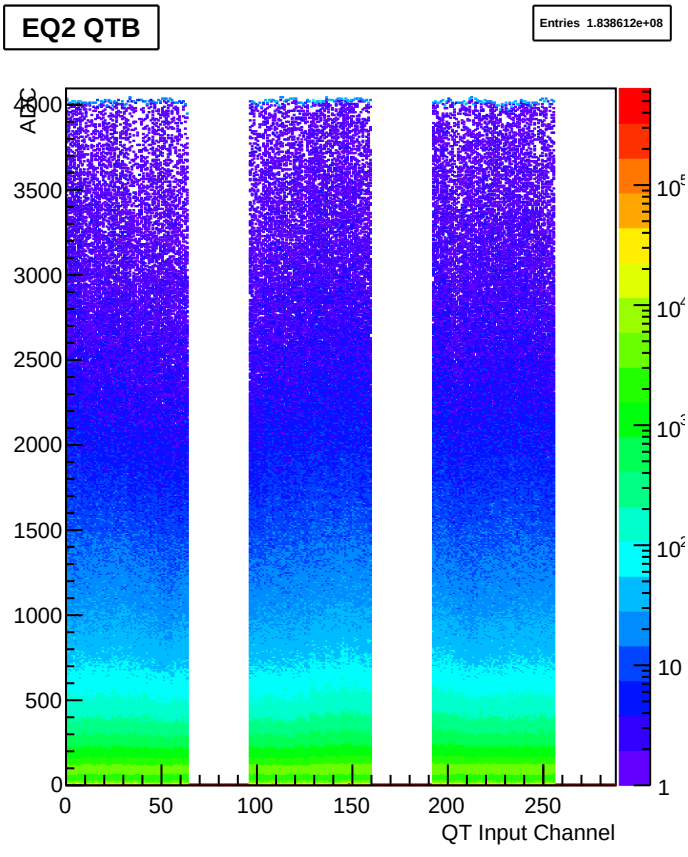

BBQ-VP002 West
Entries 1.021451e+07
TADC
QT Input Channel

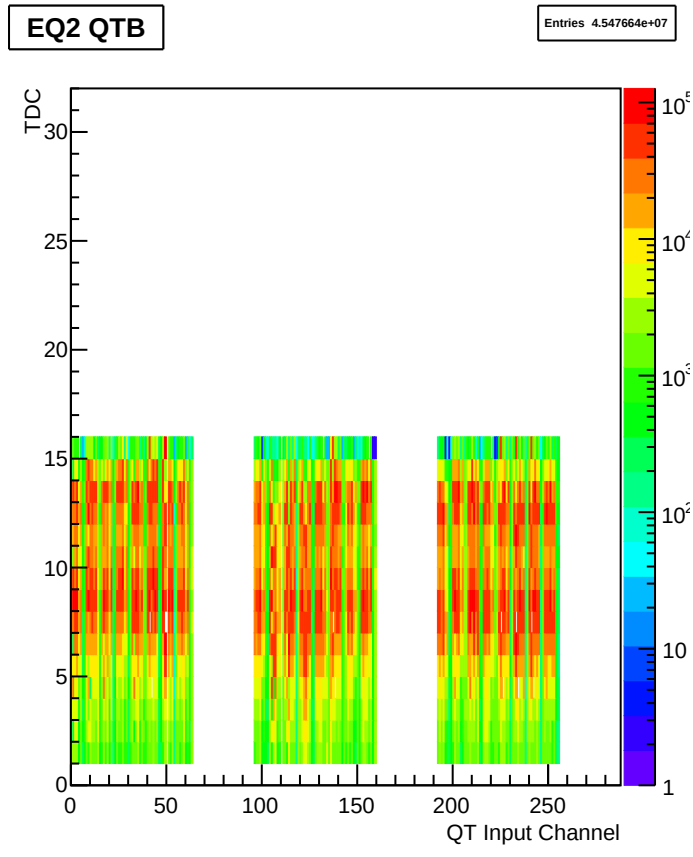

EQ1 QTB
Entries 1.838612e+08
ADC
QT Input Channel

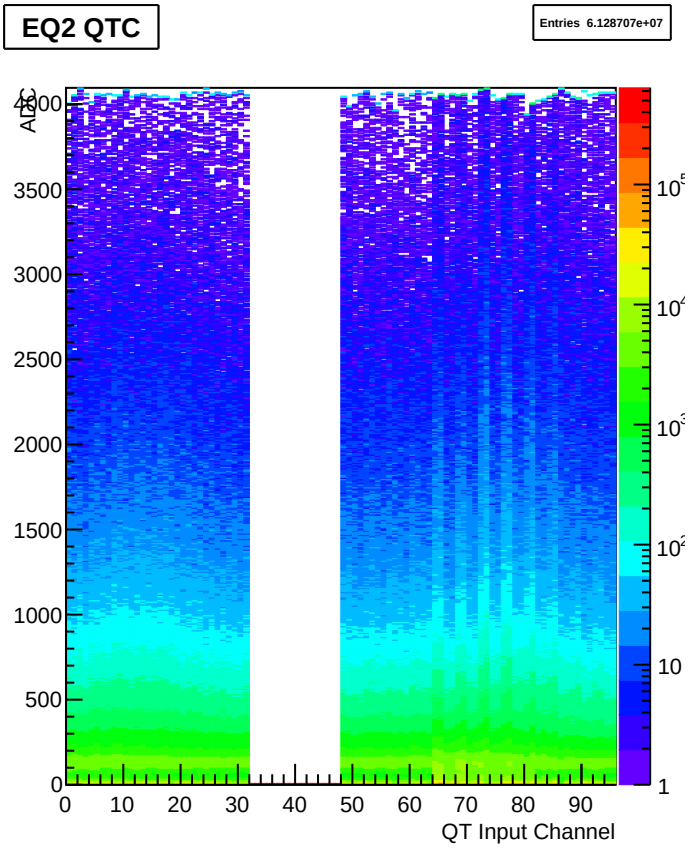

EQ1 QTB
Entries 6.328322e+07
TDC
QT Input Channel

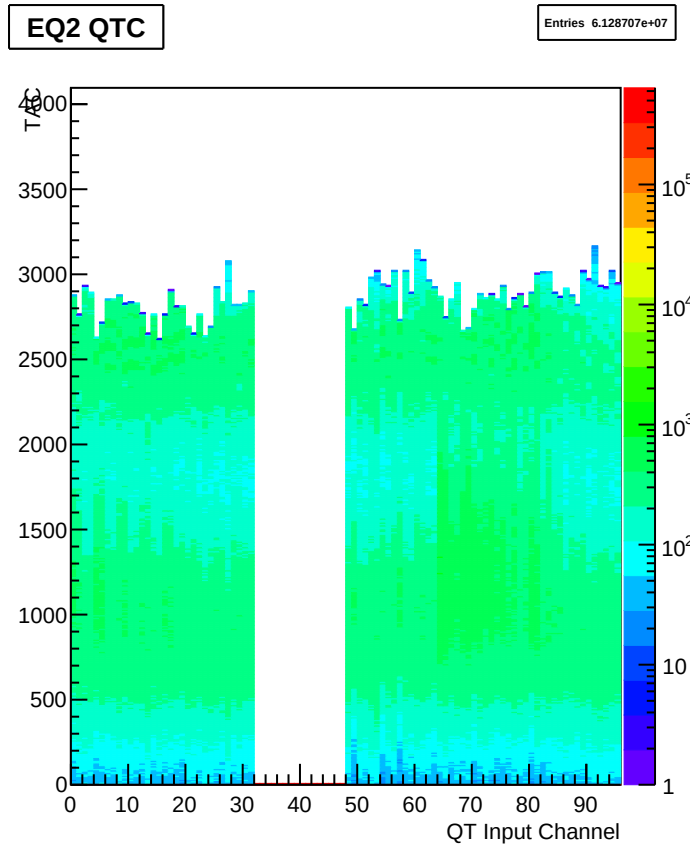

EQ1 QTC
Entries 6.128707e+07
ADC
QT Input Channel

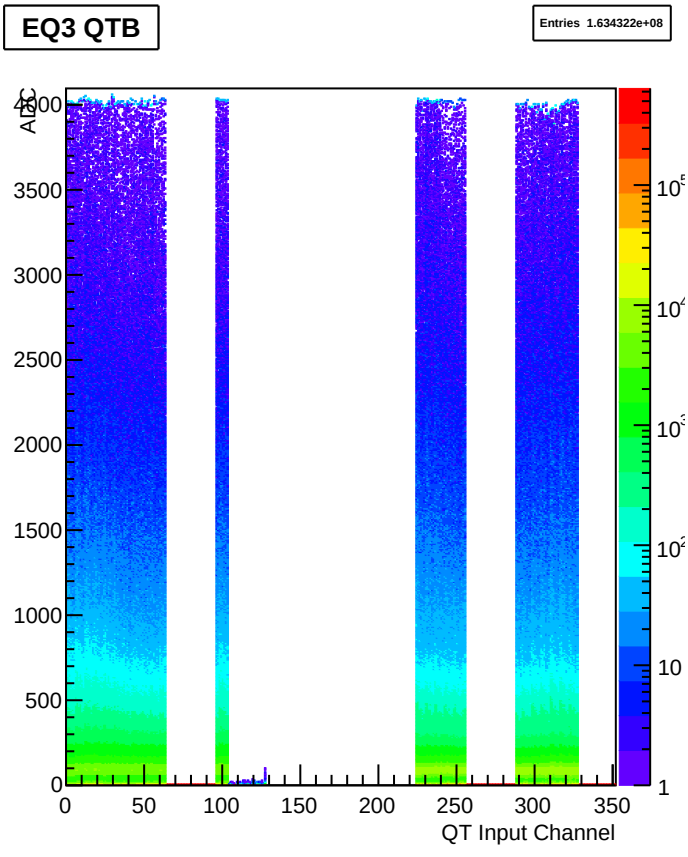

EQ1 QTC
Entries 6.128707e+07
TADC
QT Input Channel

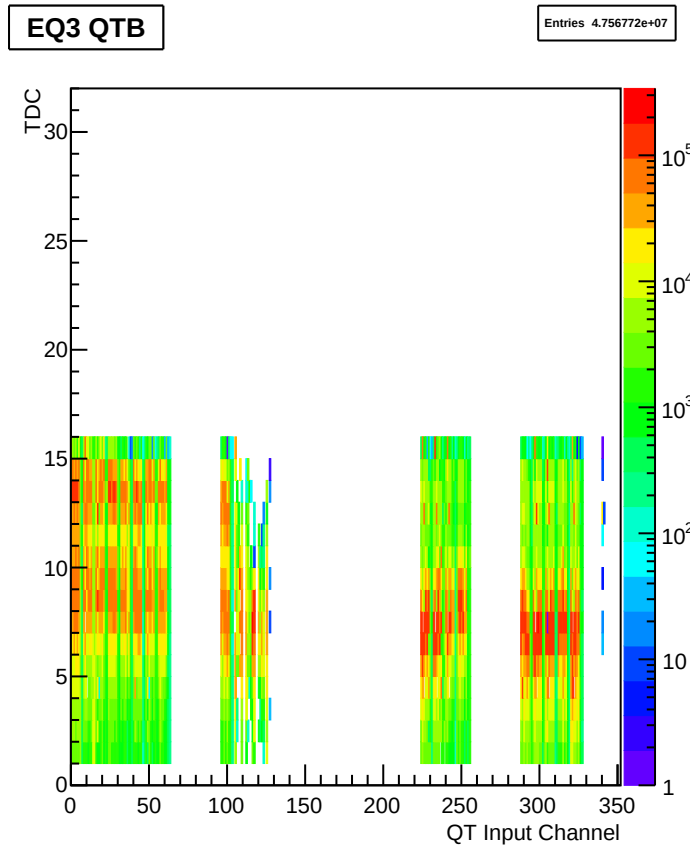

EQ2 QTB
Entries 1.838612e+08
ADC
QT Input Channel

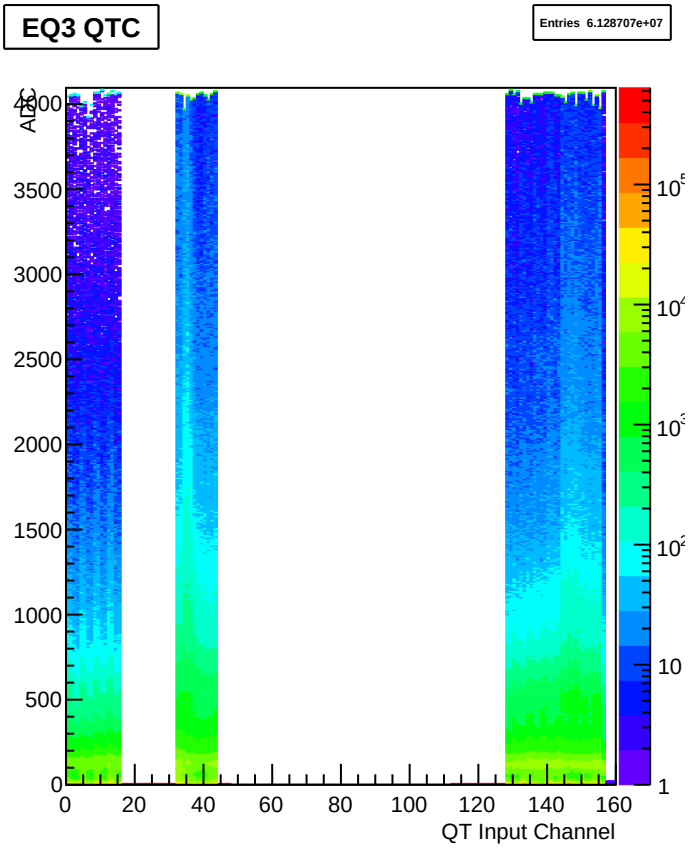

EQ2 QTB
Entries 4.547664e+07
TDC
QT Input Channel


EQ2 QTC
Entries 6.128707e+07
ADC
QT Input Channel


EQ2 QTC
Entries 6.128707e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.634322e+08
ADC
QT Input Channel


EQ3 QTB
Entries 4.756772e+07
TDC
QT Input Channel


EQ3 QTC
Entries 6.128707e+07
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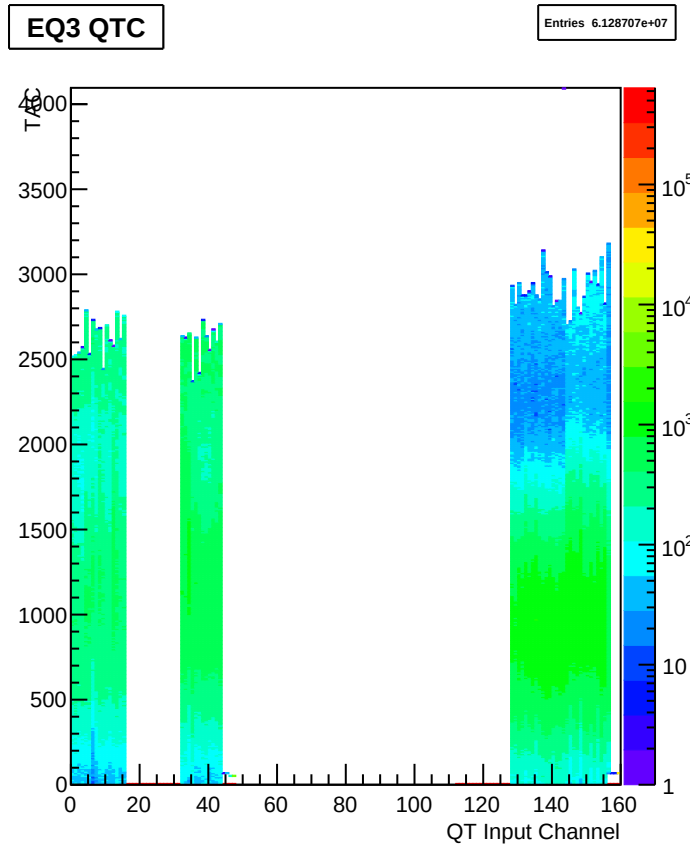
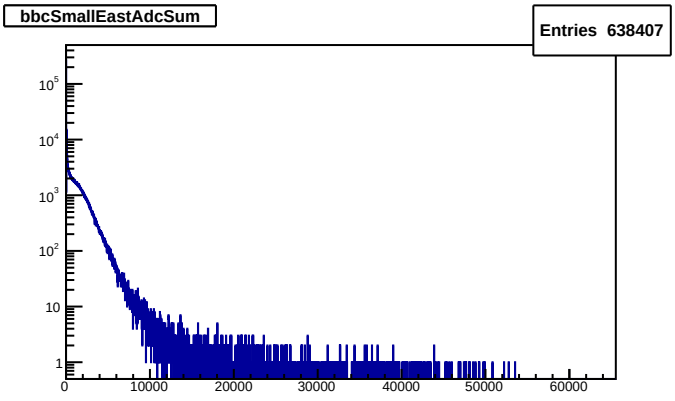
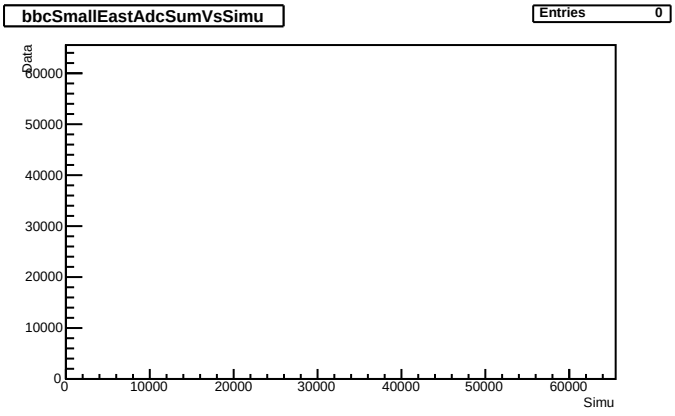
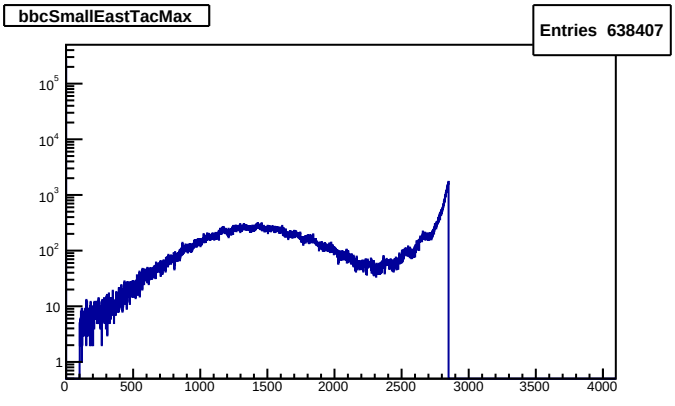

EQ3 QTC
Entries 6.128707e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 638407


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu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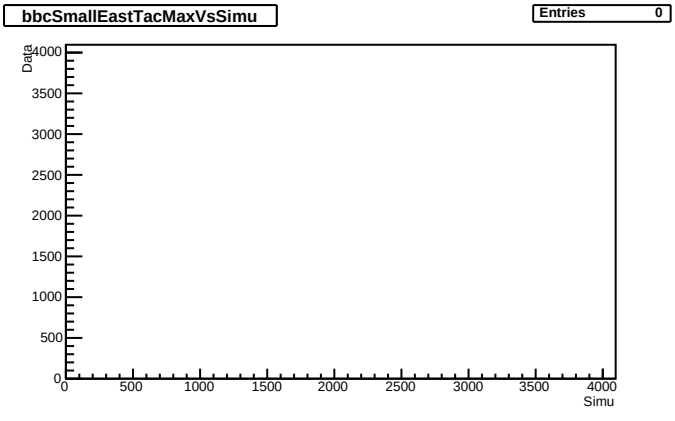
Entries 638407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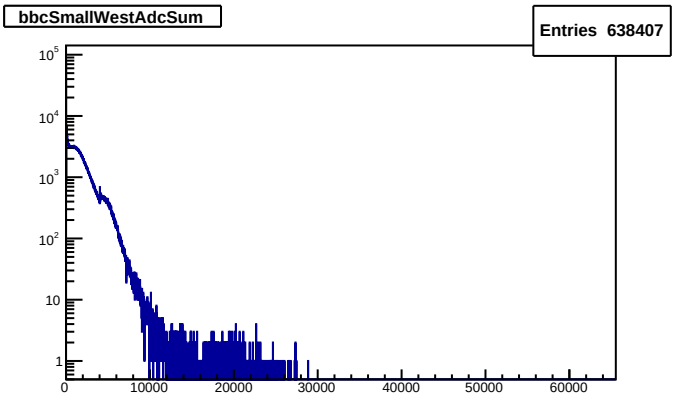
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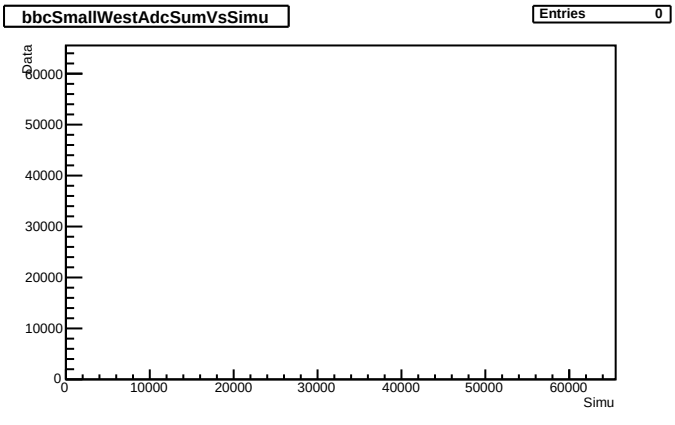
Entries 638407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Entries 0
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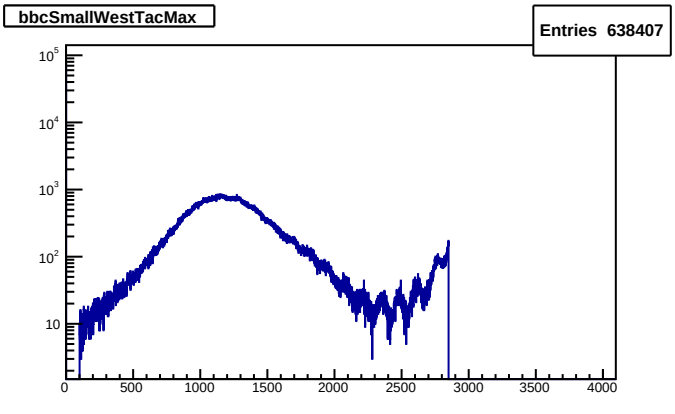
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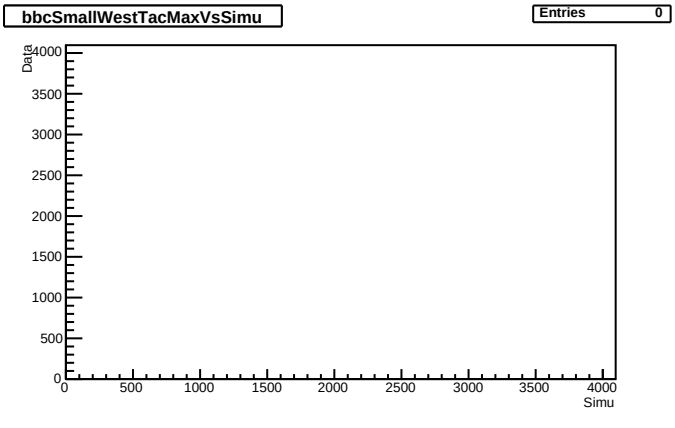
bbcSmallWestTacMaxVsSimu
Entries 0
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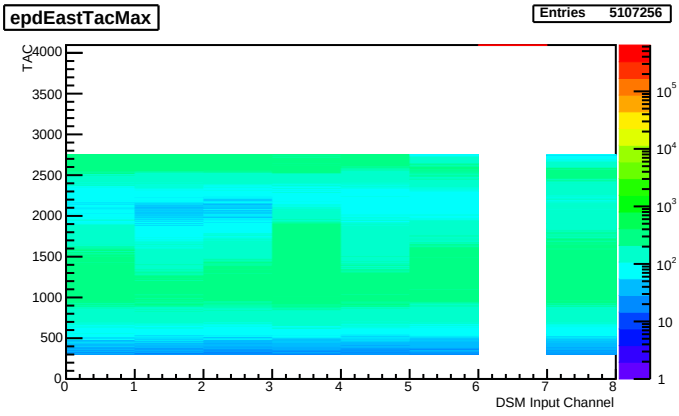
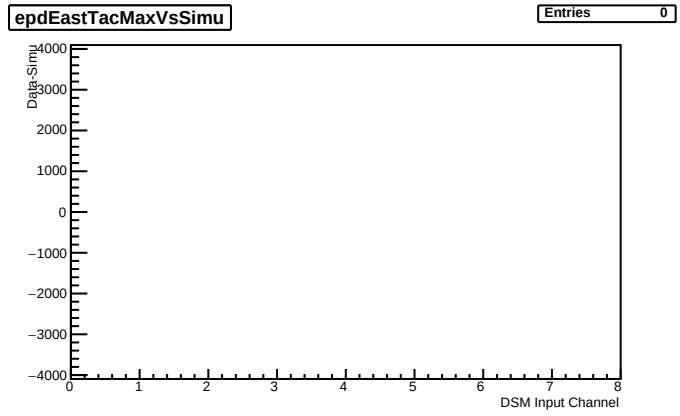
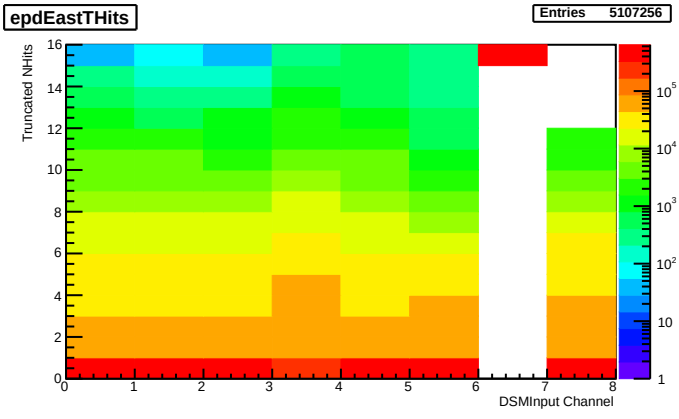
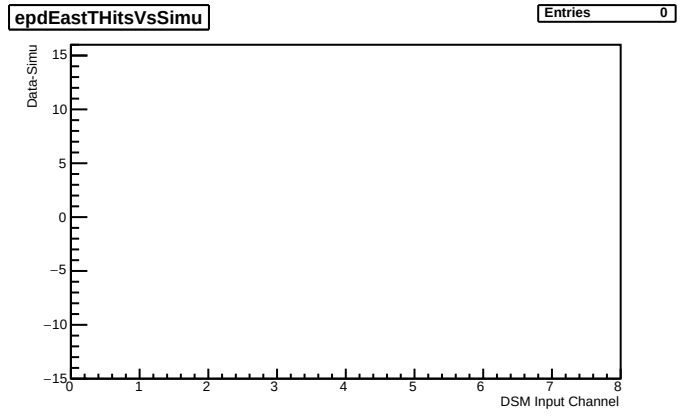
Simu


epdEastTacMax
Entries 5107256
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 5107256
Truncated NHits
DSMInput Channel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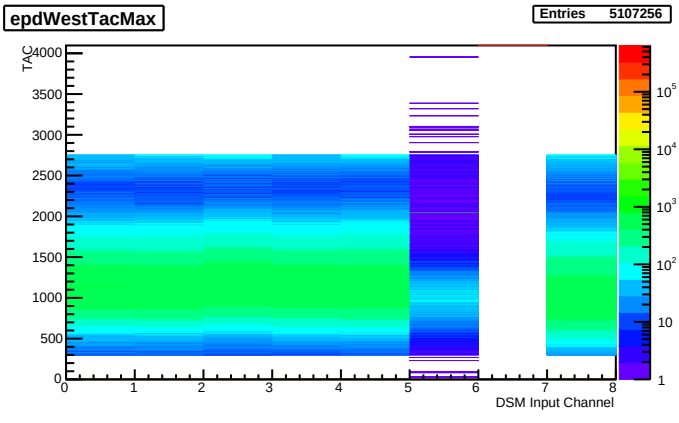
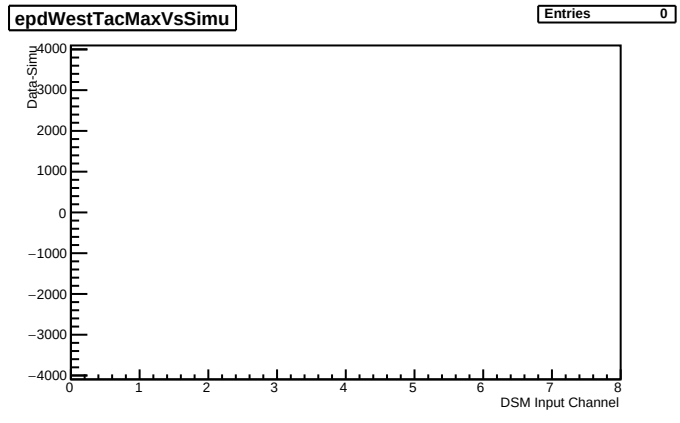
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 5107256
TAC
DSM Input Channel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Entries 0
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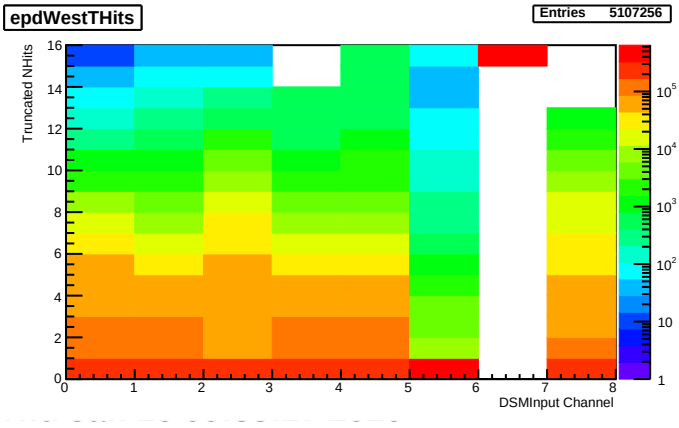
DSM Input Channel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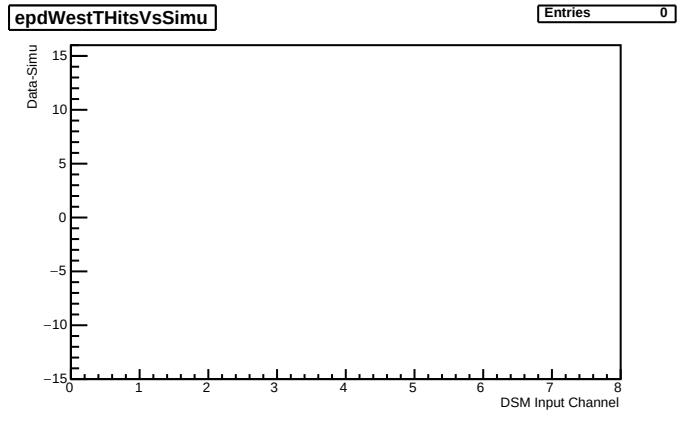
Entries 5107256
Truncated NHits
DSMInput Channel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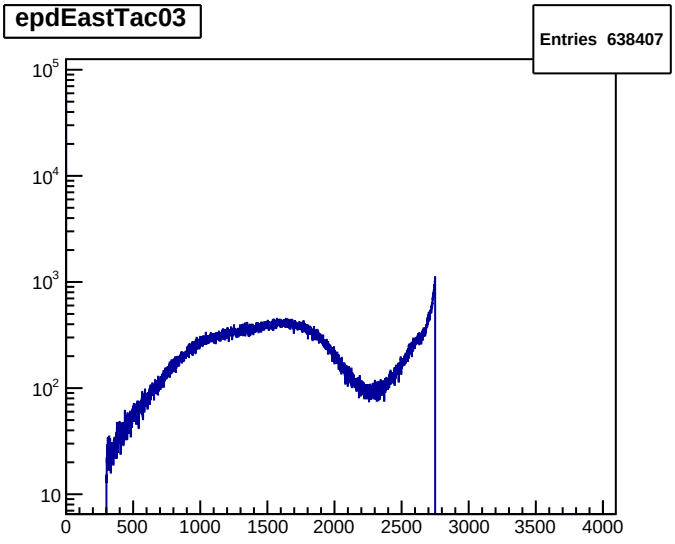
DSM Input Channel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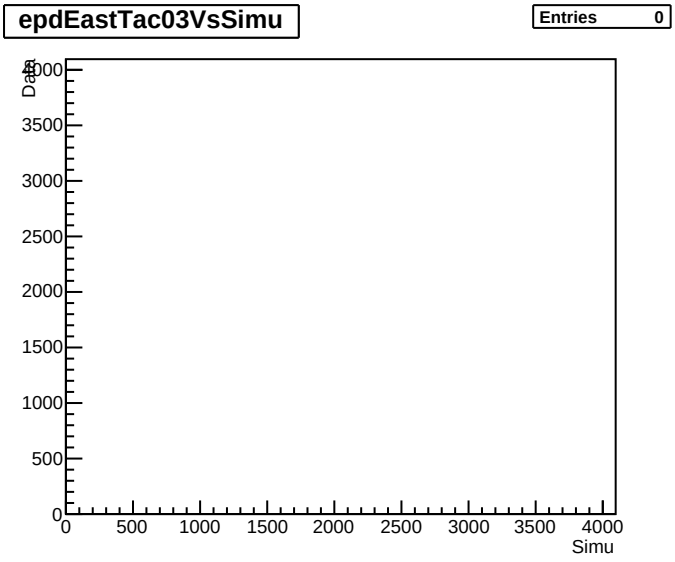
Entries 638407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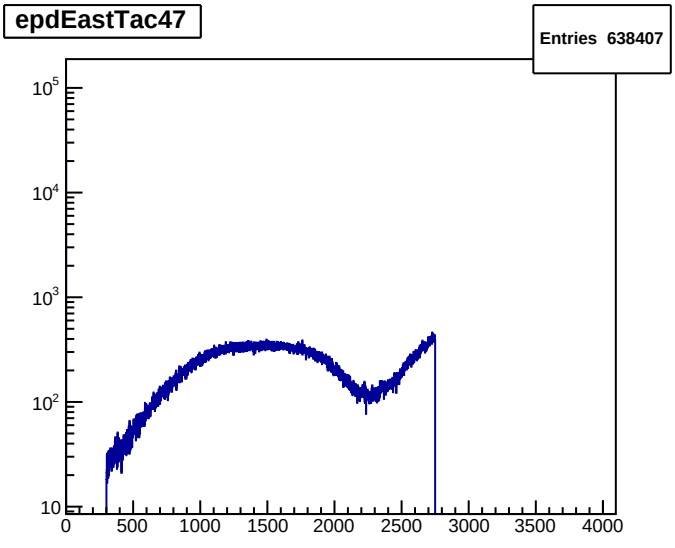
Entries 0
Data
Simu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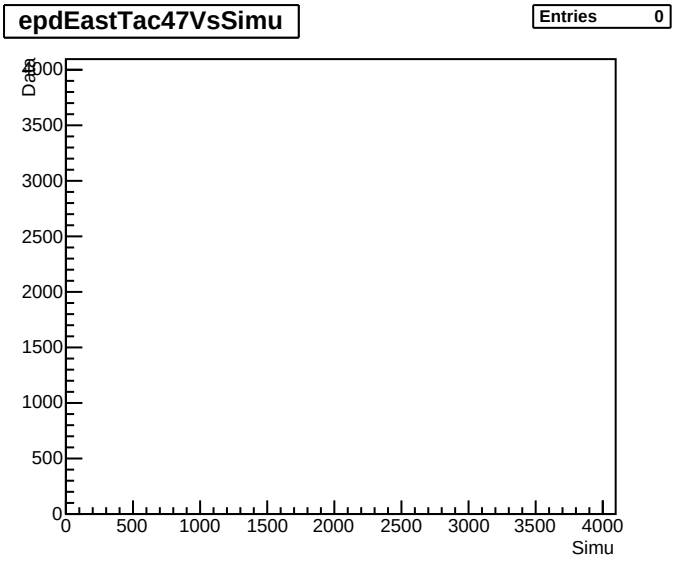
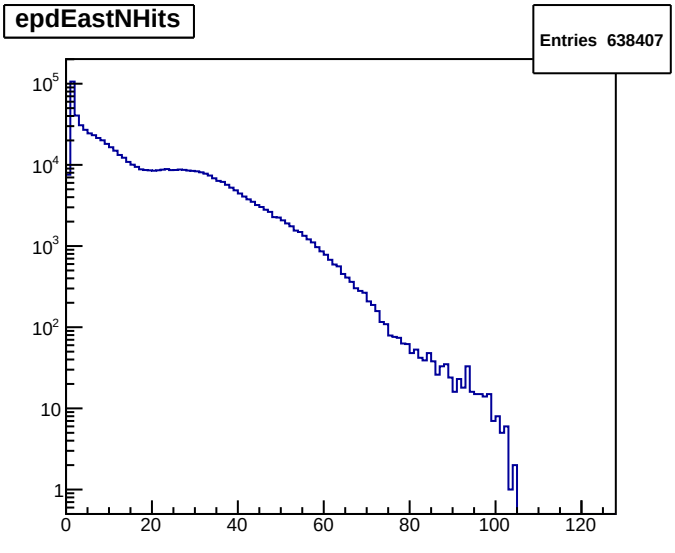

epdEastTac47VsSimu
Entries 0
Data
Simu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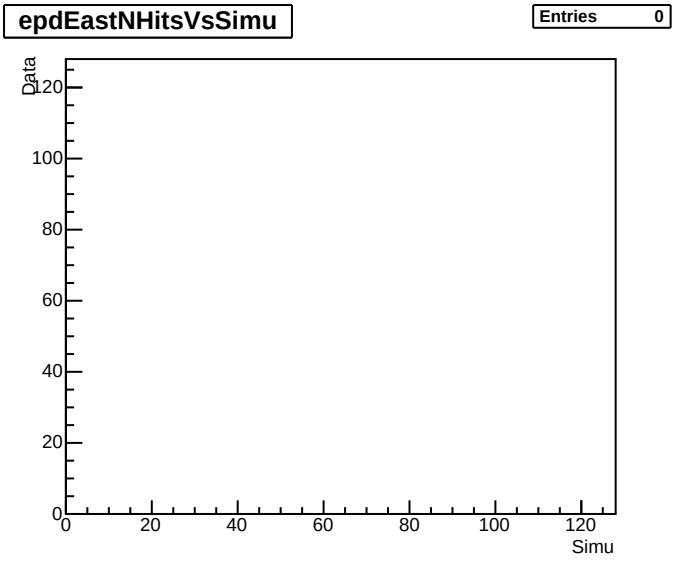
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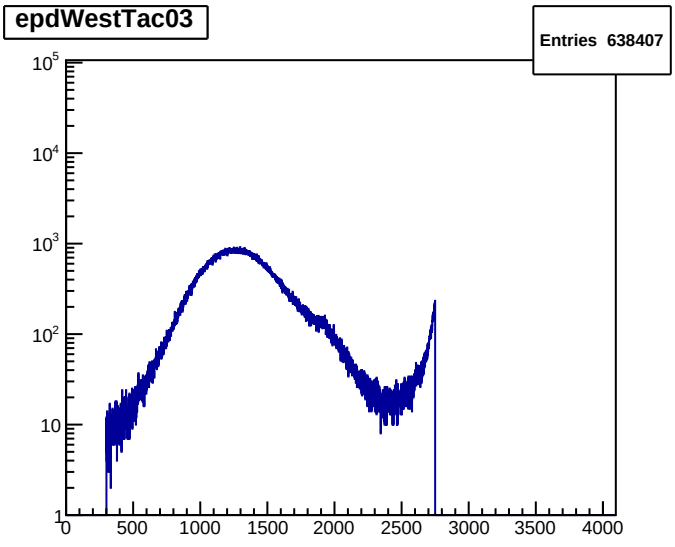
Simu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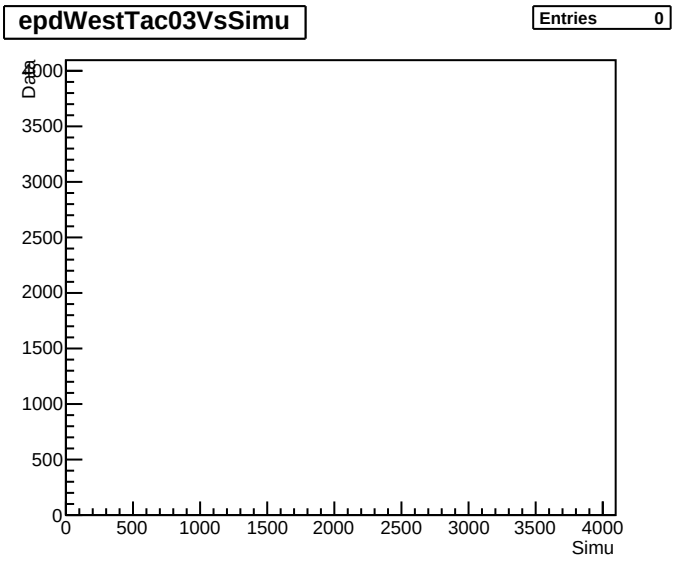
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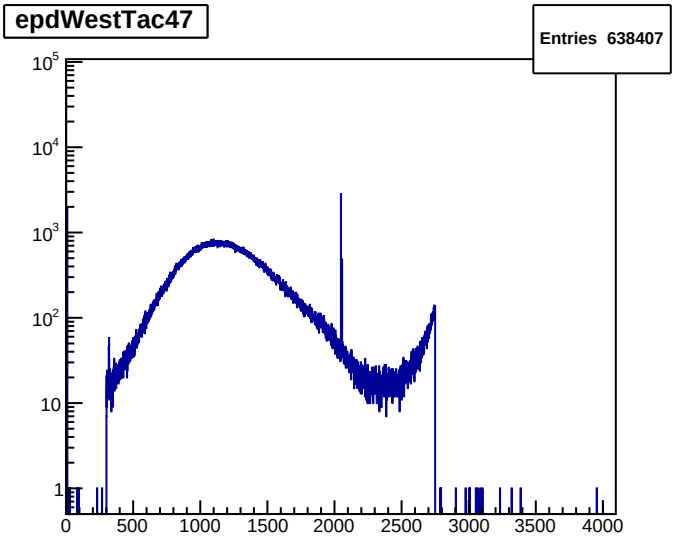
Simu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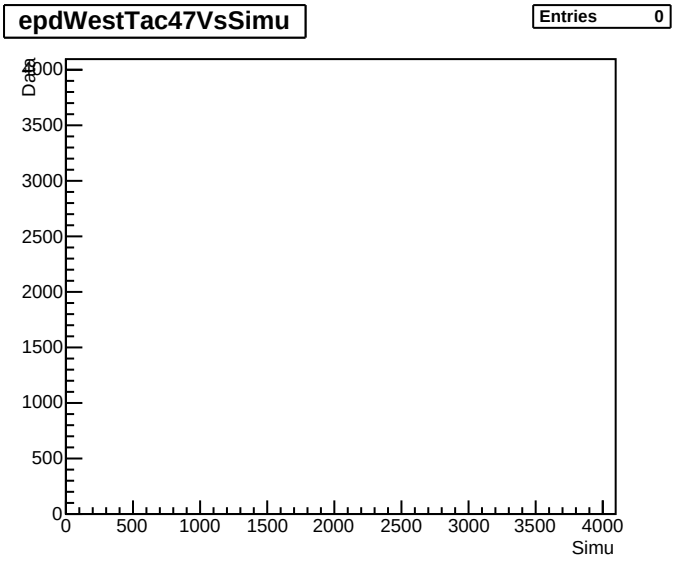
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Entries 0
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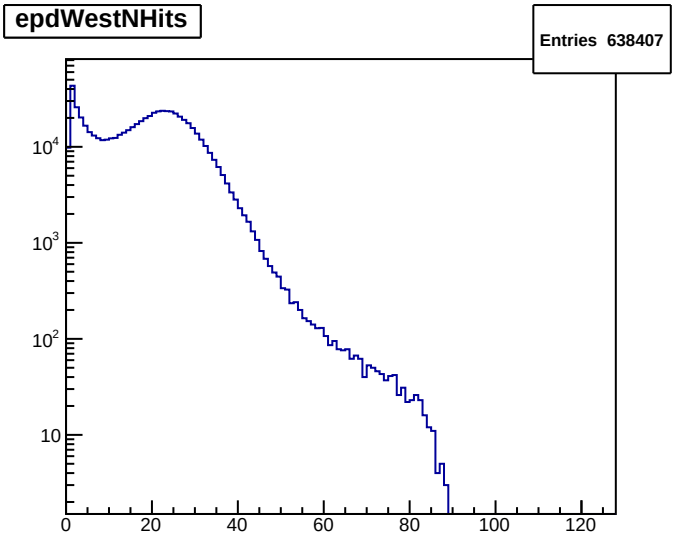
Simu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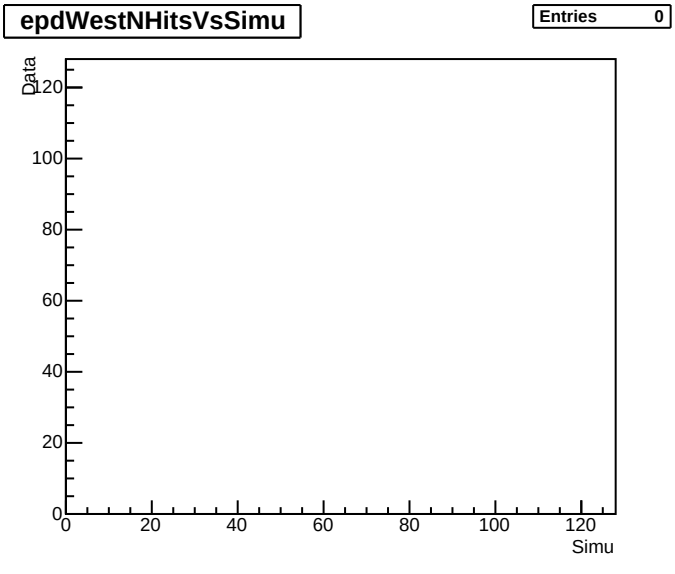
Entries 638407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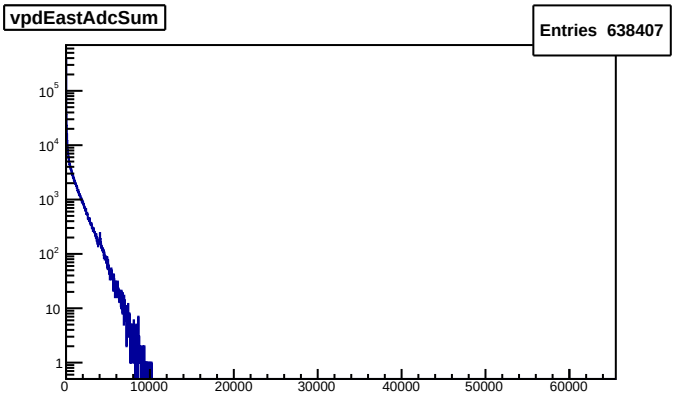
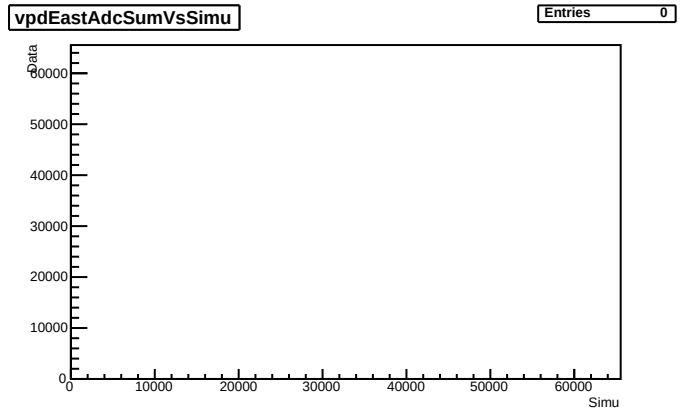
Entries 0
Data
Simu


vpdEastAdcSum
Entries 638407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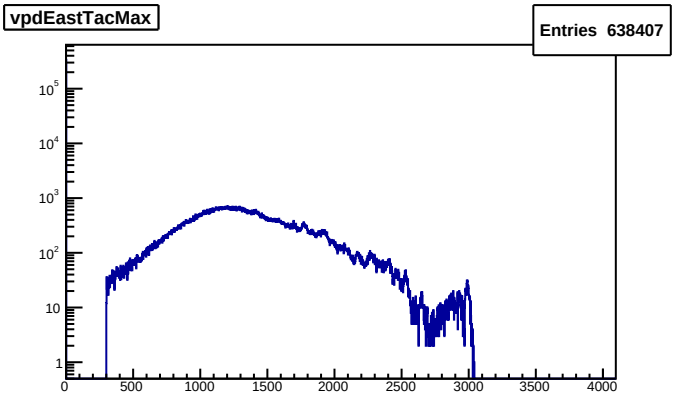
Data
Simu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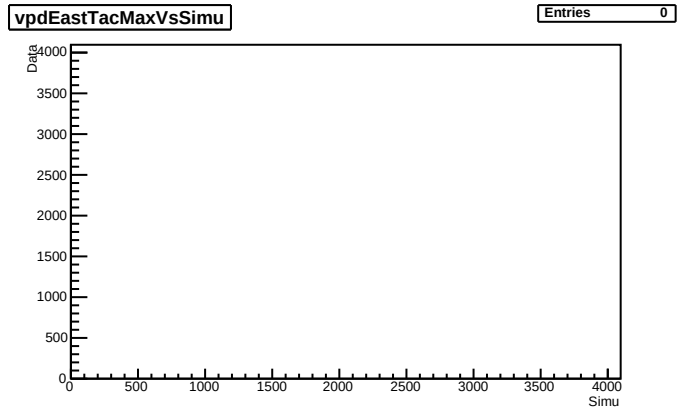
Entries 638407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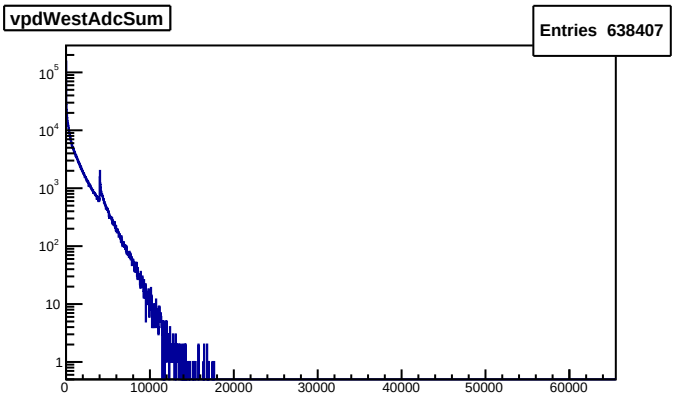
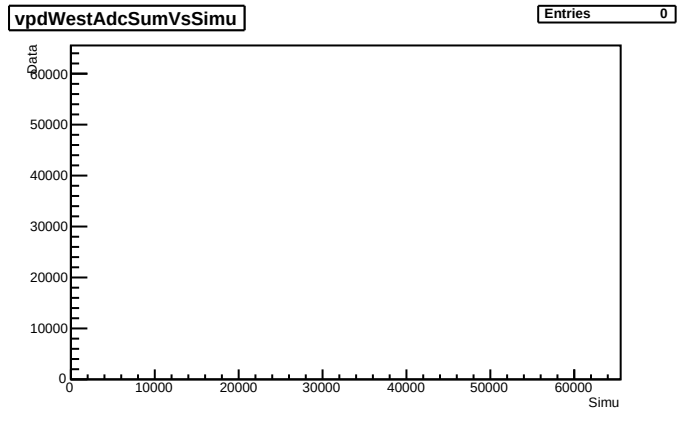
Entries 0
Data
Simu


vpdWestAdcSum
Entries 638407


vpdWestAdcSumVsSimu
Entries 0
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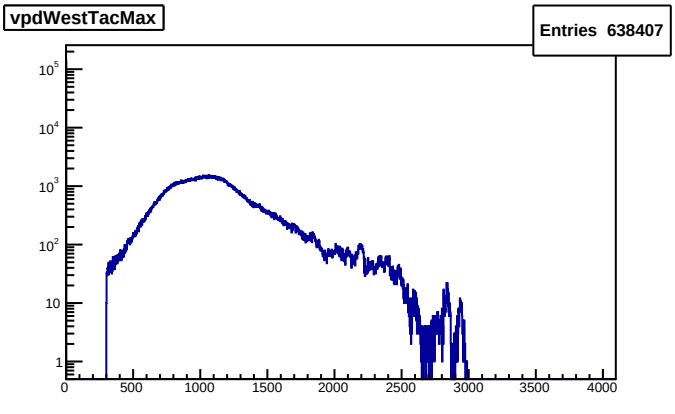
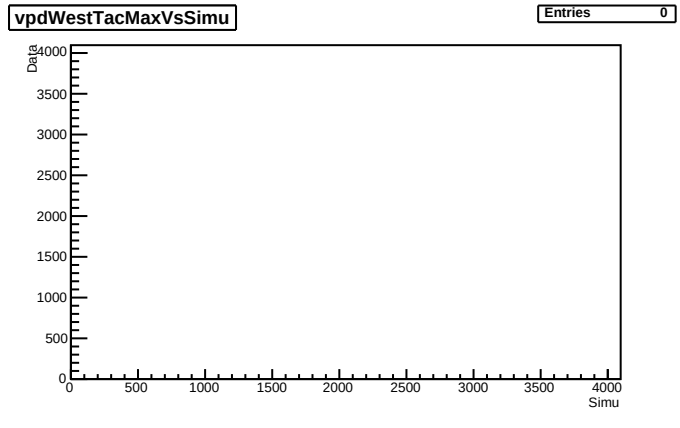
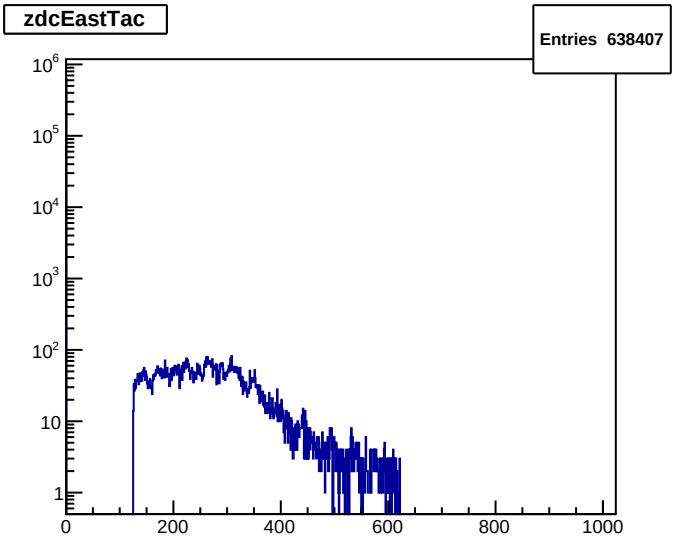
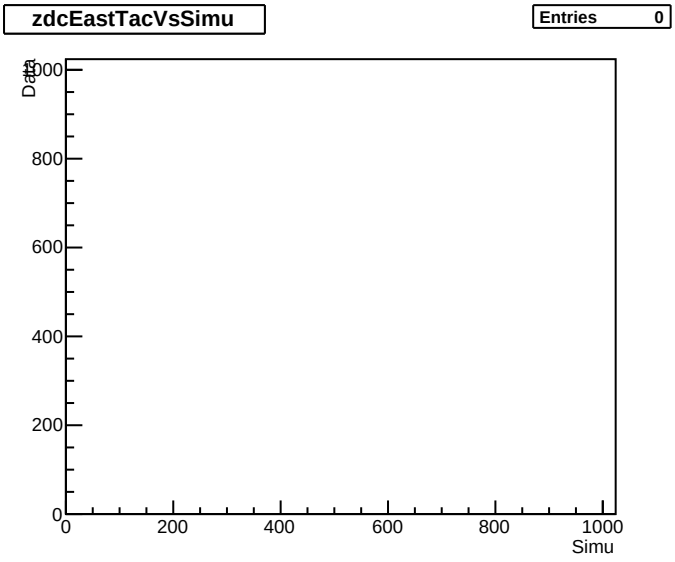
Simu


vpdWestTacMax
Entries 638407


vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 638407


zdcEastTacVsSimu
Entries 0
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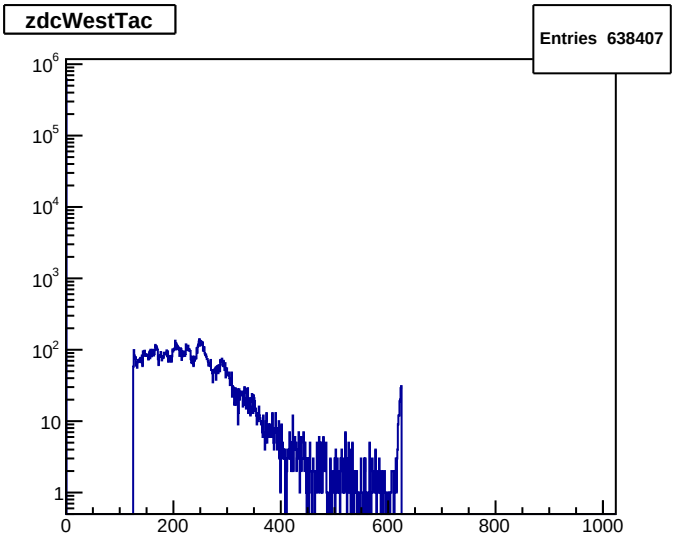
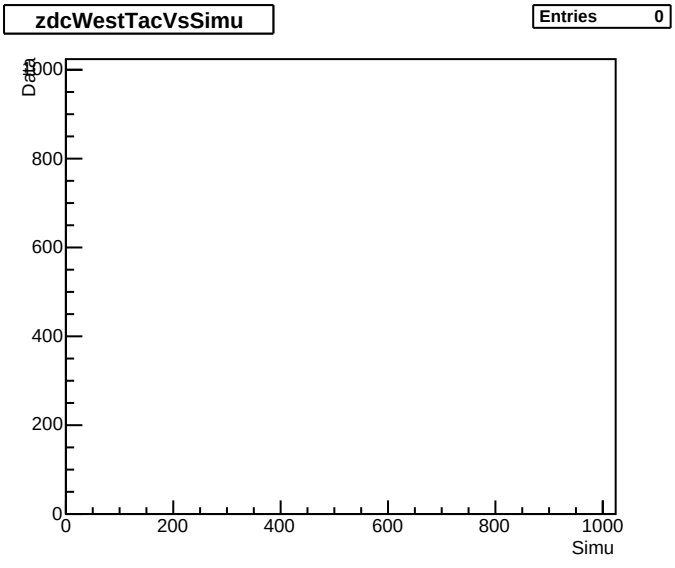
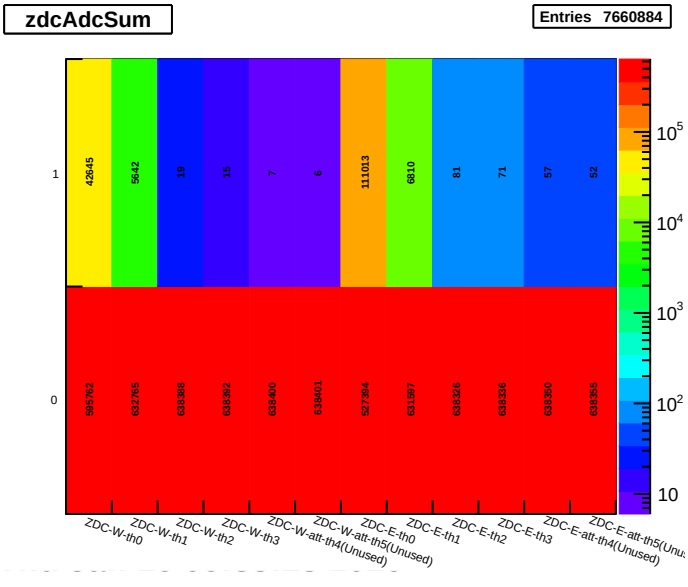
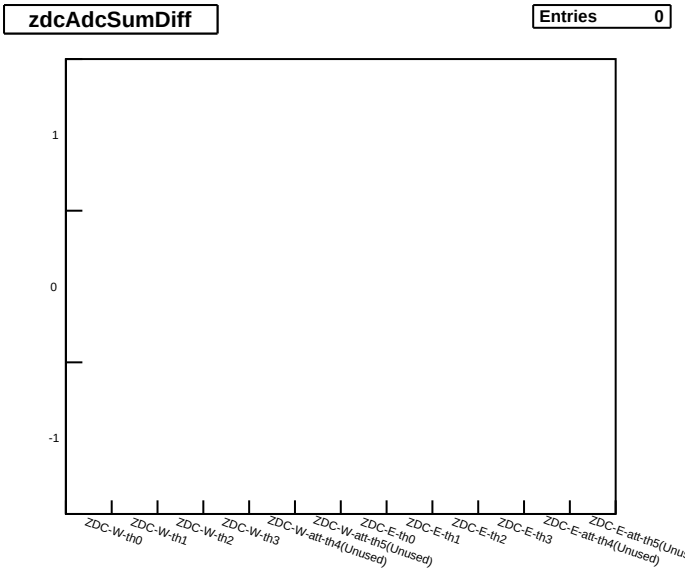

zdcWestTac
Entries 638407


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 7660884
42645
5642
19
15
7
6
111013
6810
81
71
57
52
595762
632765
638388
638392
638400
638401
527394
631597
638326
638336
638350
638355
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)


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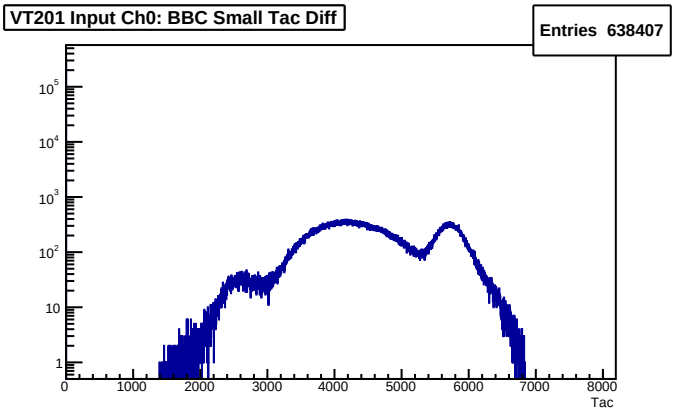
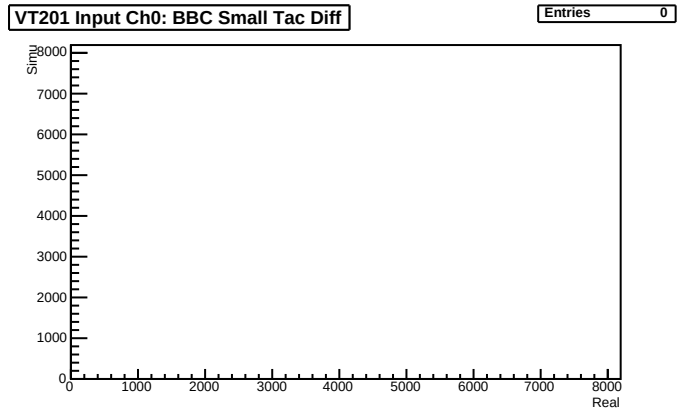
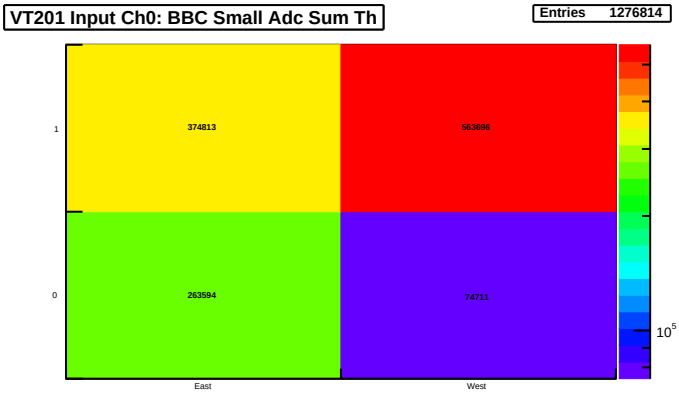
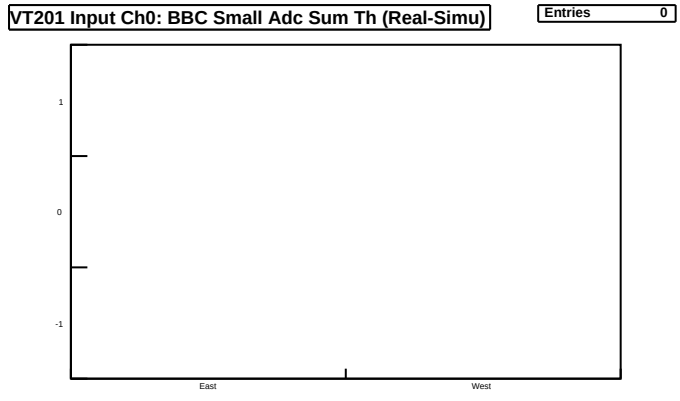
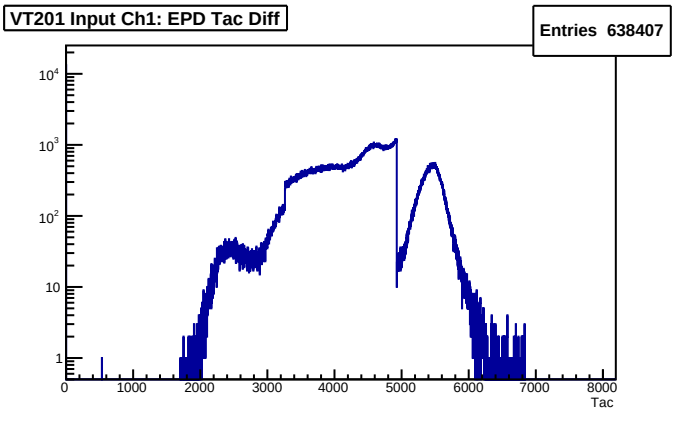
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

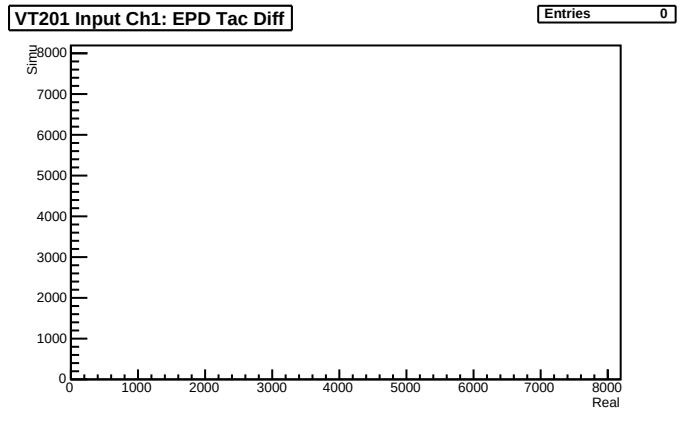

VT201 Input Ch0: BBC Small Tac Diff
Entries 638407
Tac

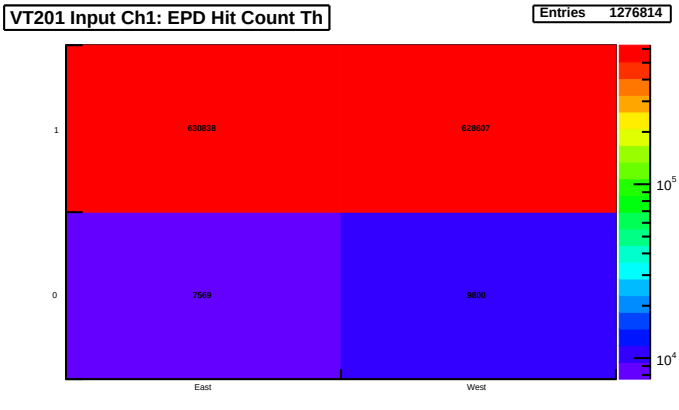

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

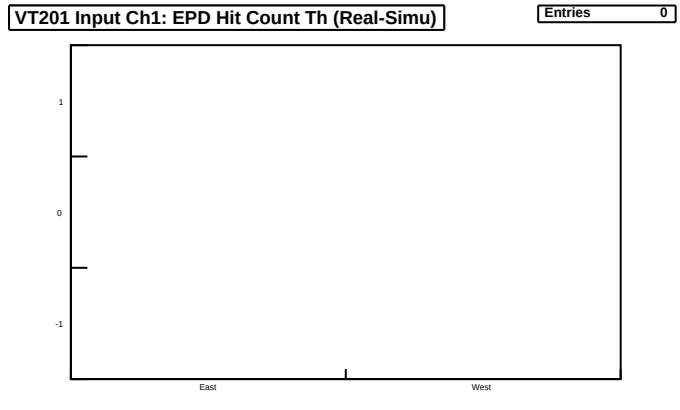

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1276814
374813
563696
263594
74711
East
West

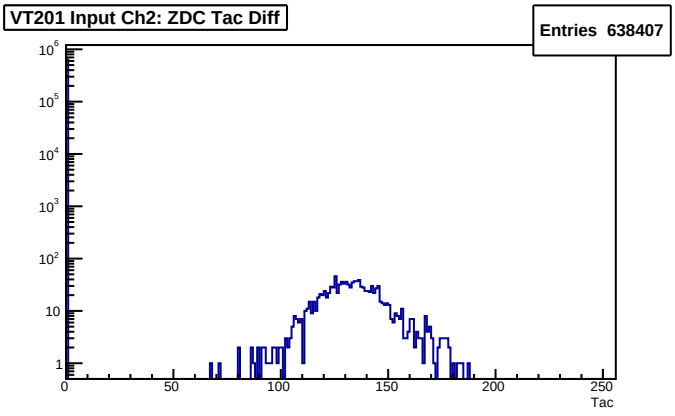

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

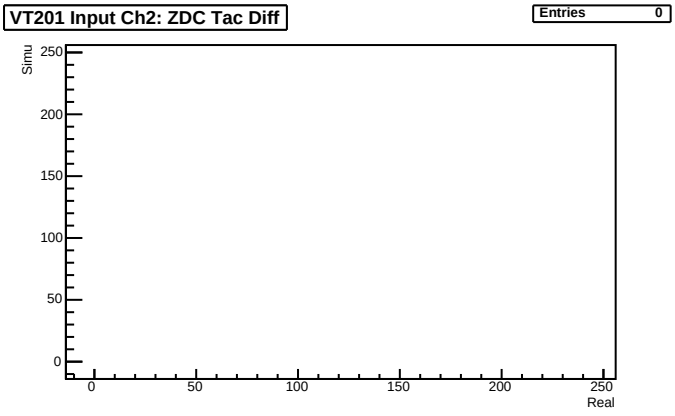

VT201 Input Ch1: EPD Tac Diff
Entries 638407
Tac

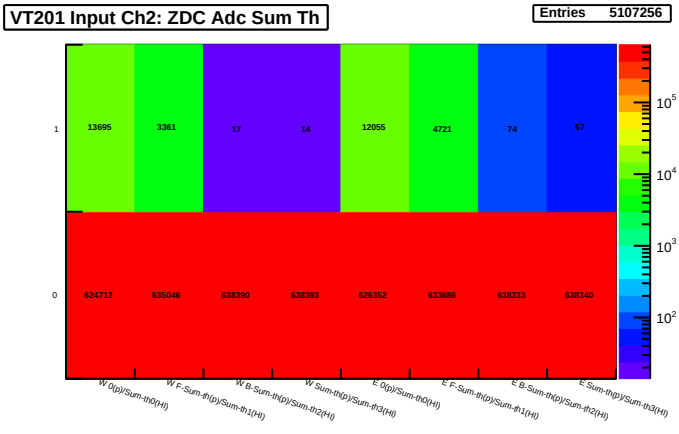

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

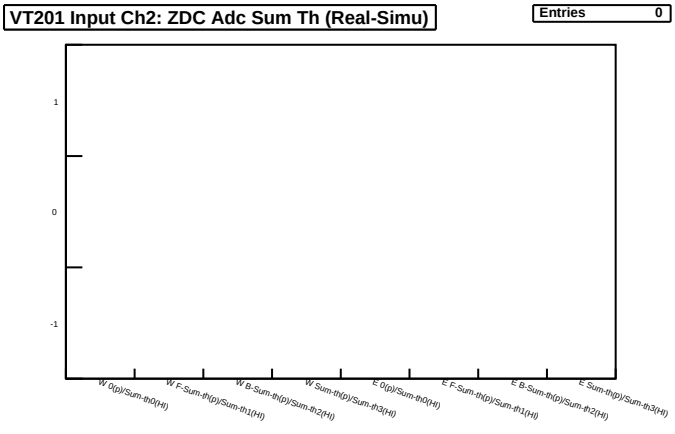

VT201 Input Ch1: EPD Hit Count Th
Entries 1276814
630838
628607
7589
9800
East
West

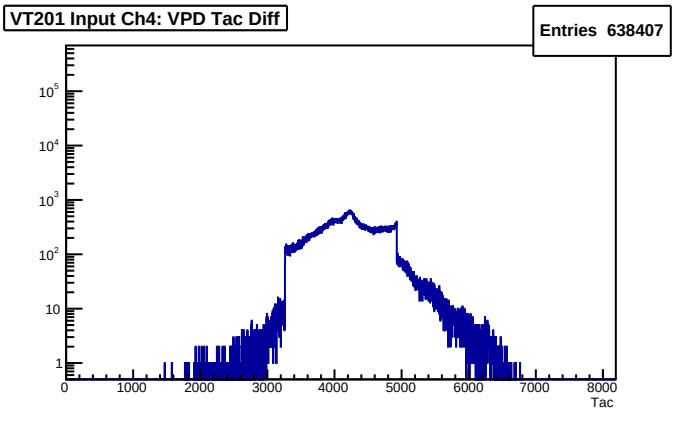

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

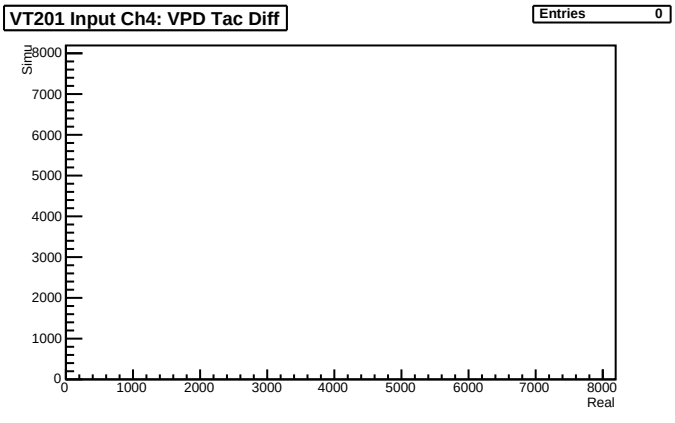

VT201 Input Ch2: ZDC Tac Diff
Entries 638407
Tac

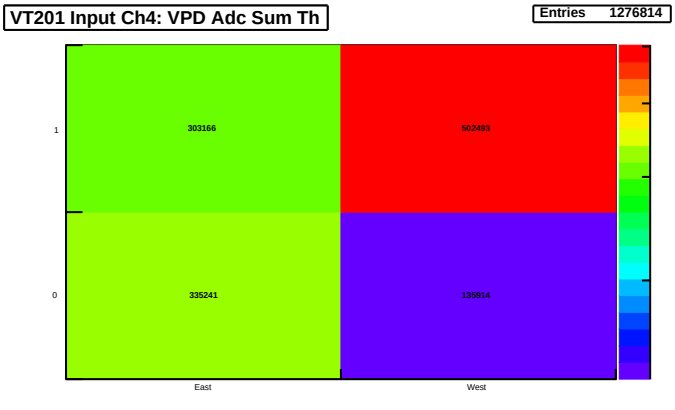

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

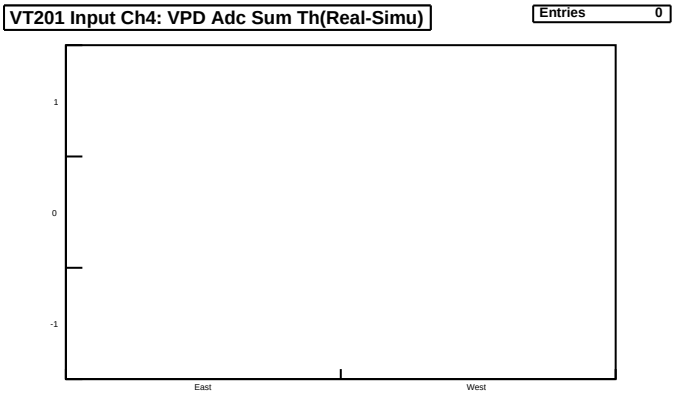

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5107256
13695
3361
17
14
12055
4721
74
67
624712
635046
638390
638393
626352
633686
638333
638340
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

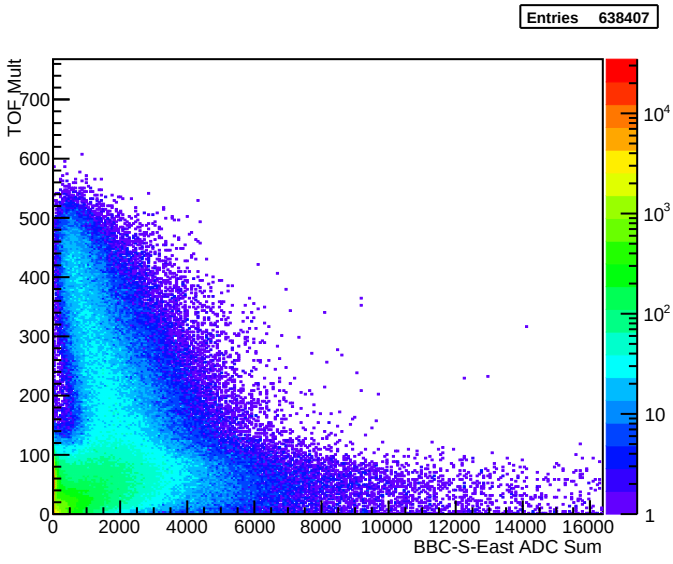

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

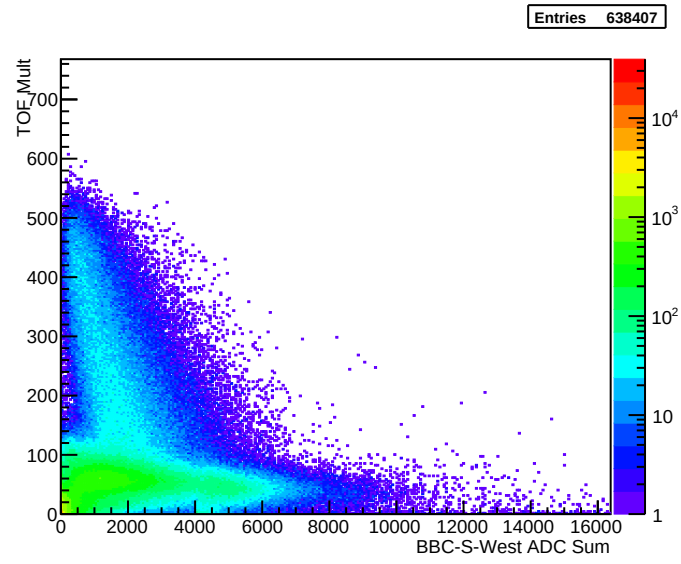

VT201 Input Ch4: VPD Tac Diff
Entries 638407
Tac

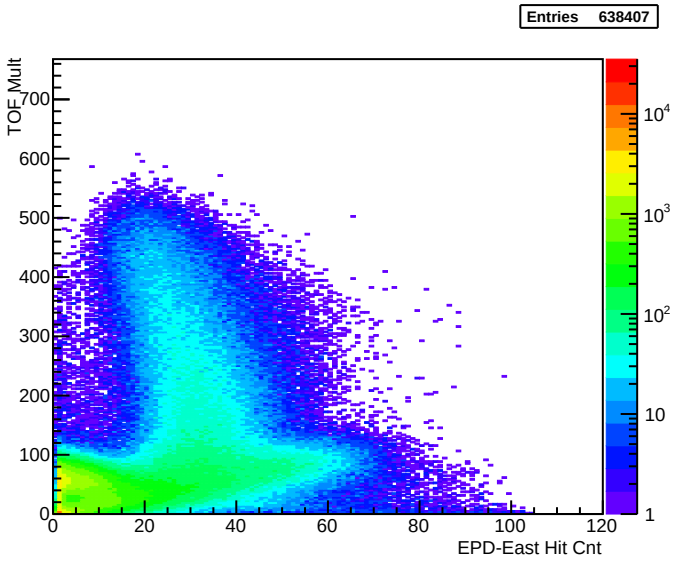

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

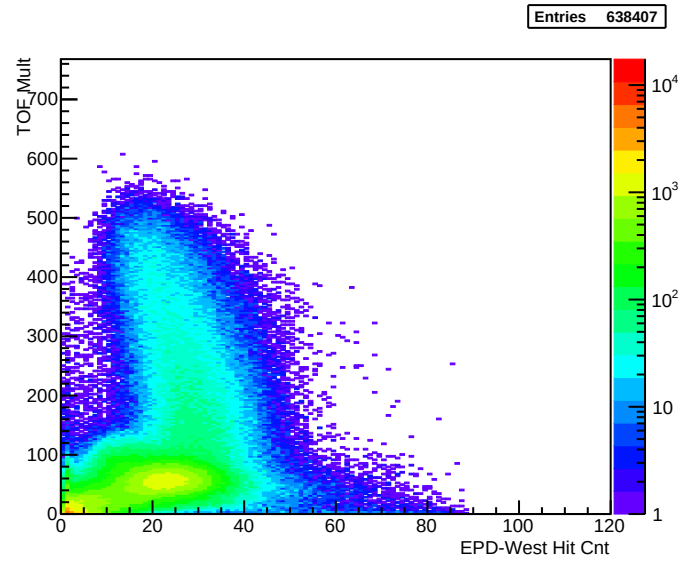

VT201 Input Ch4: VPD Adc Sum Th
Entries 1276814
303166
502493
335241
135914
East
West

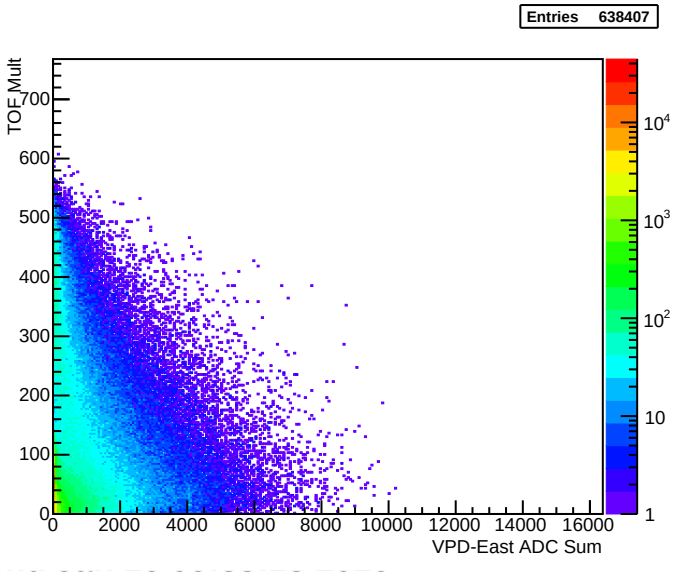

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

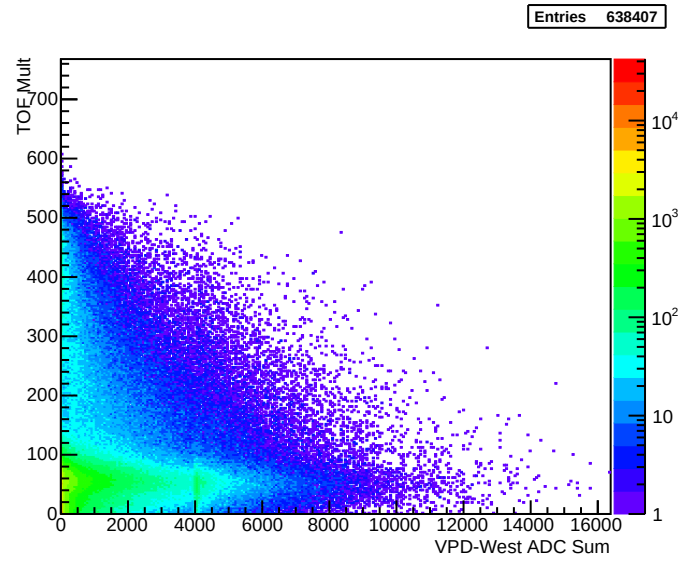

Entries 638407
TOF_Mult
BBC-S-East ADC Sum

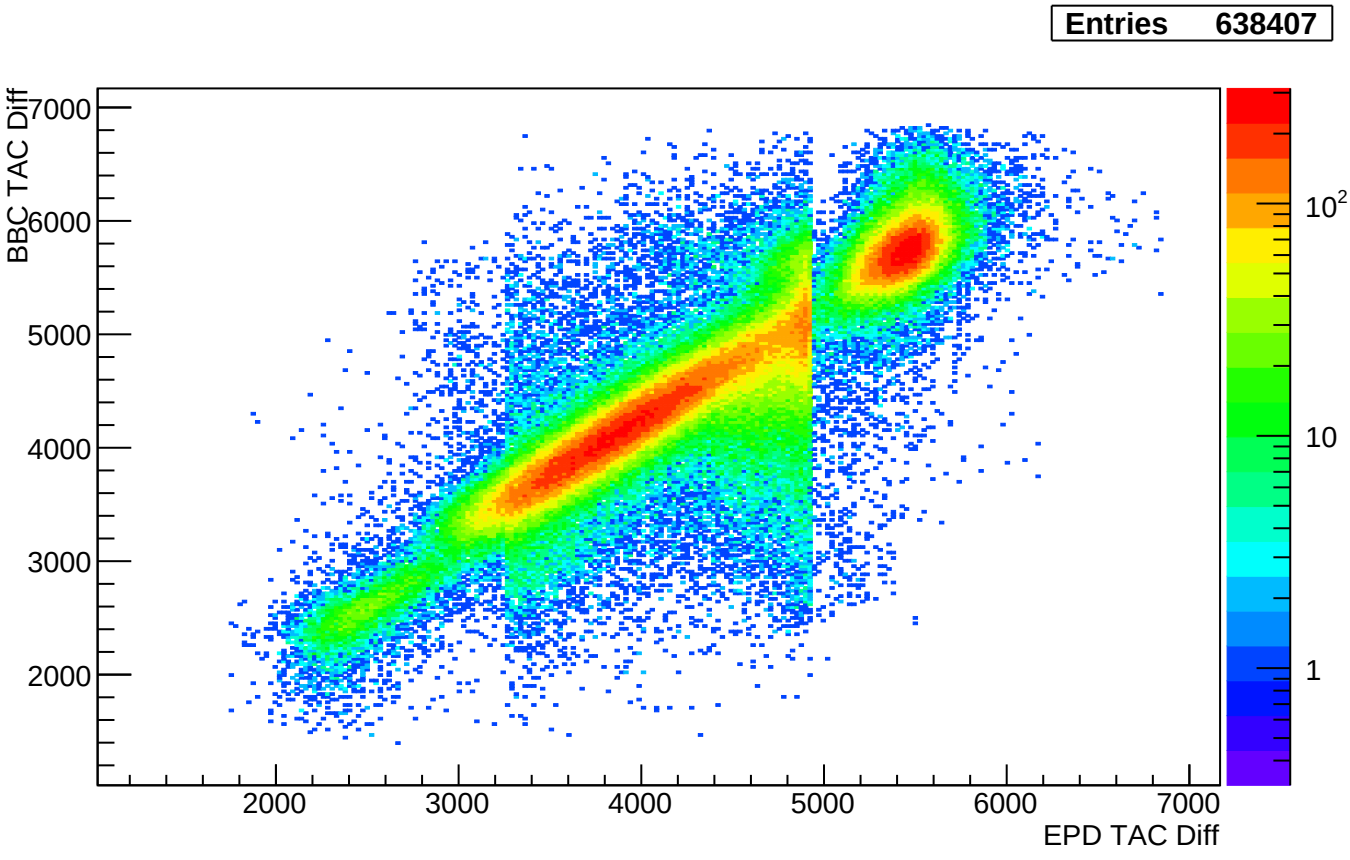

Entries 638407
TOF_Mult
BBC-S-West ADC Sum

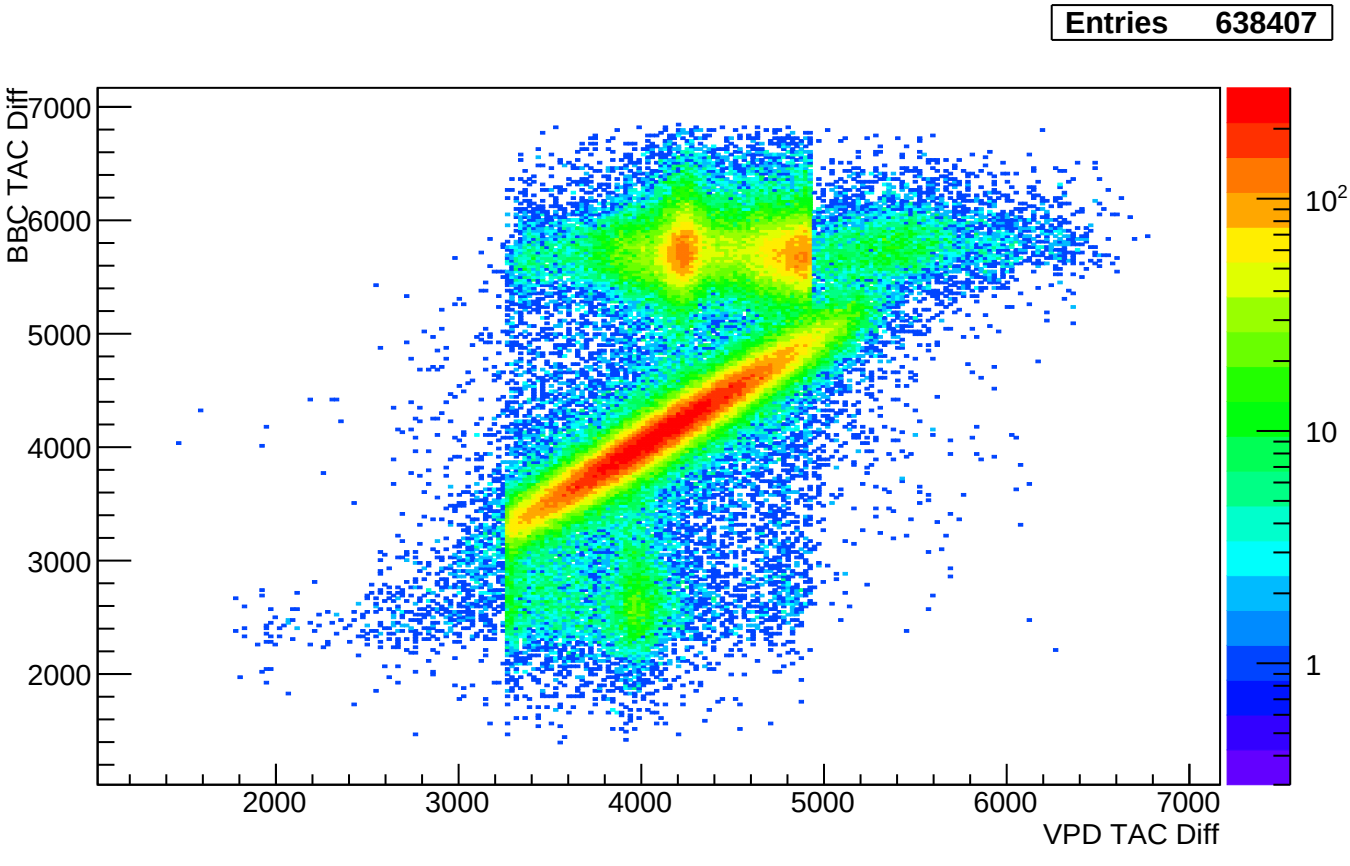

Entries 638407
TOF_Mult
EPD-East Hit Cnt

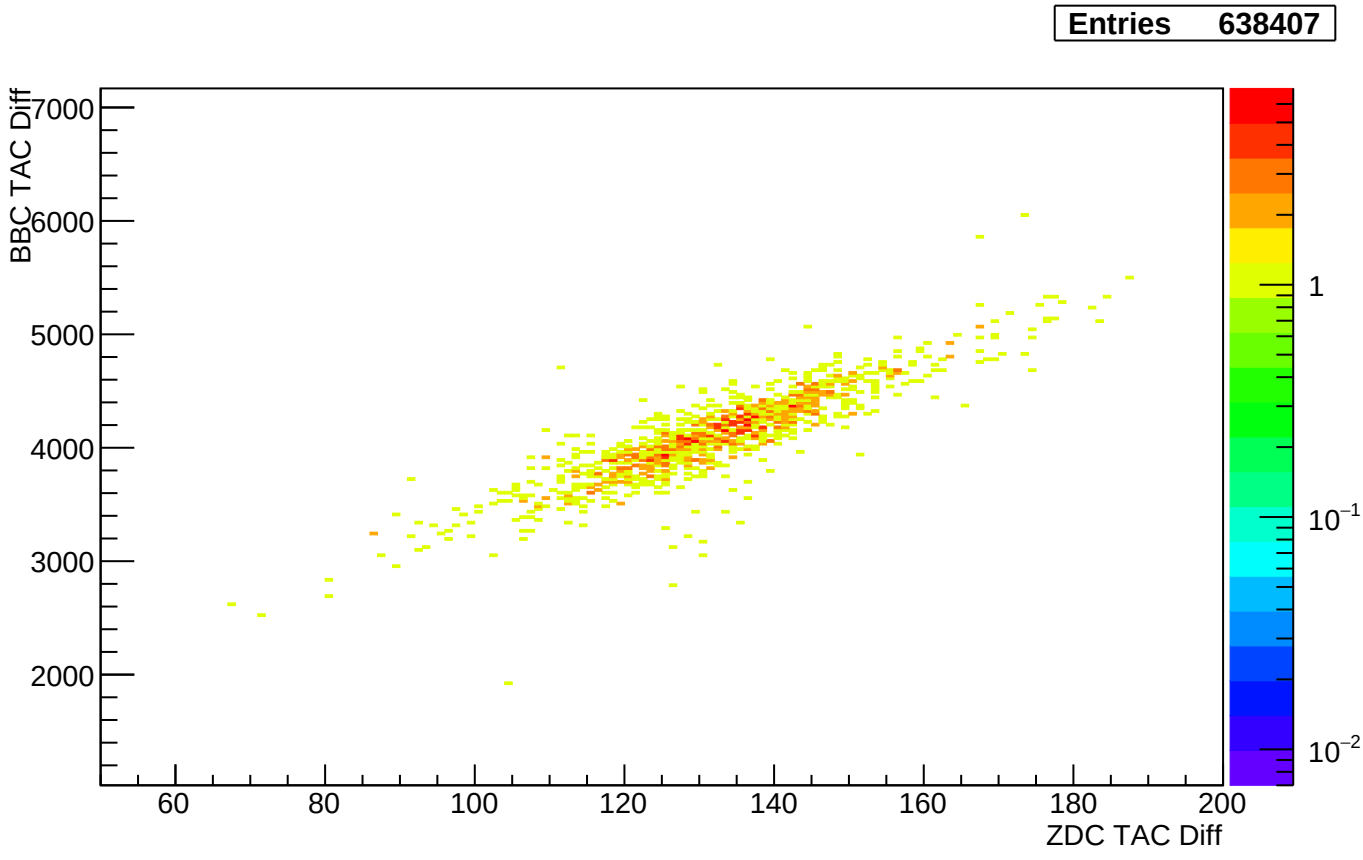

Entries 638407
TOF_Mult
EPD-West Hit Cnt

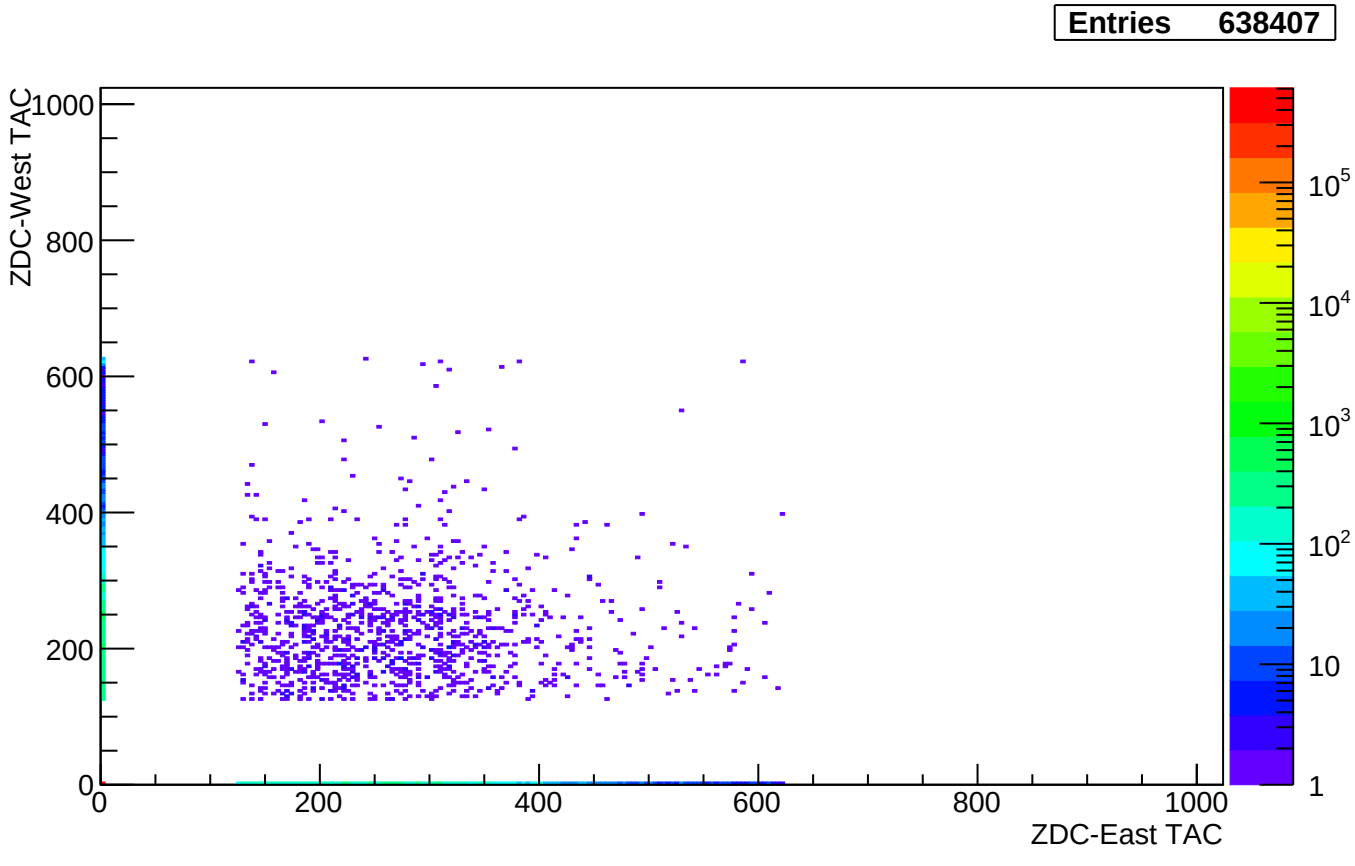

Entries 638407
TOF_Mult
VPD-East ADC Sum

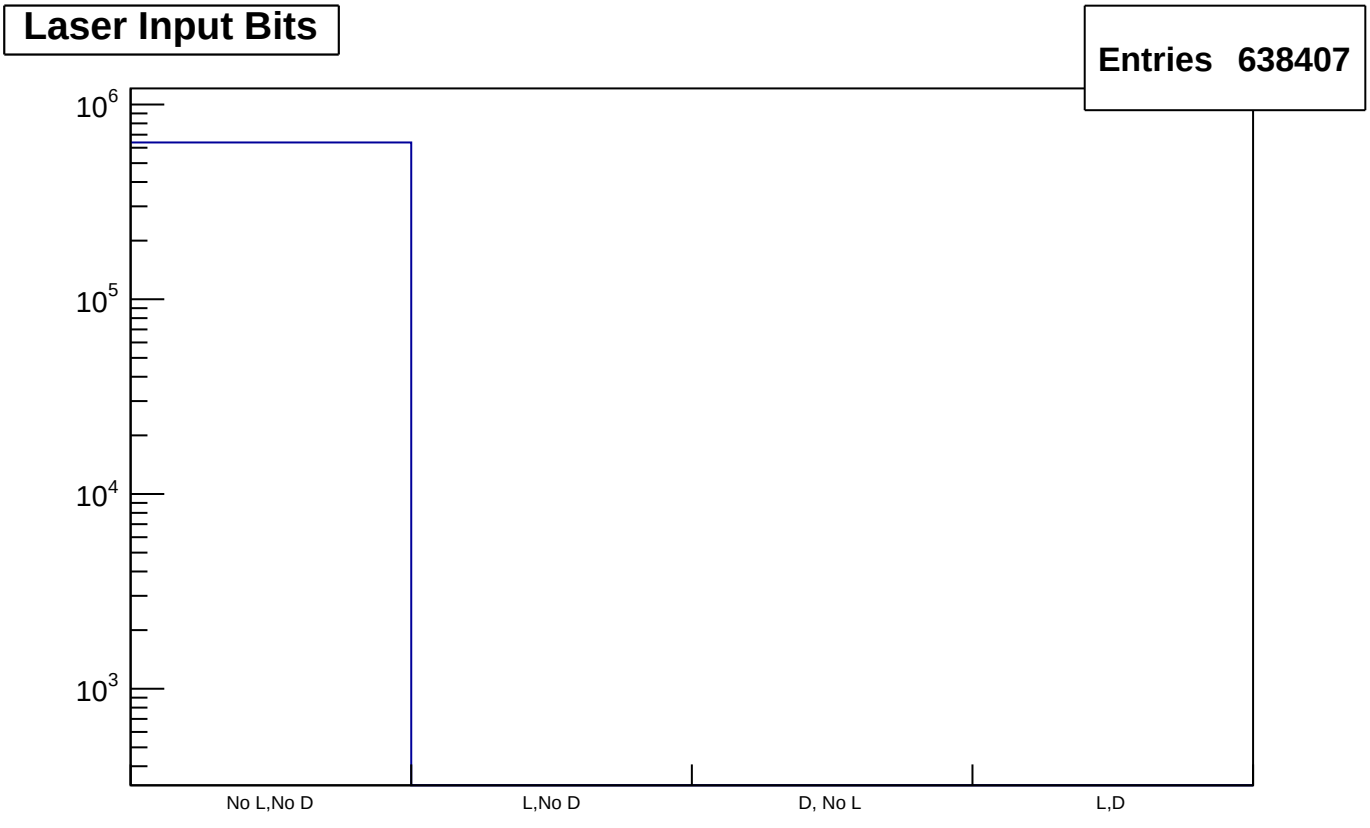

Entries 638407
TOF_Mult
VPD-West ADC Sum

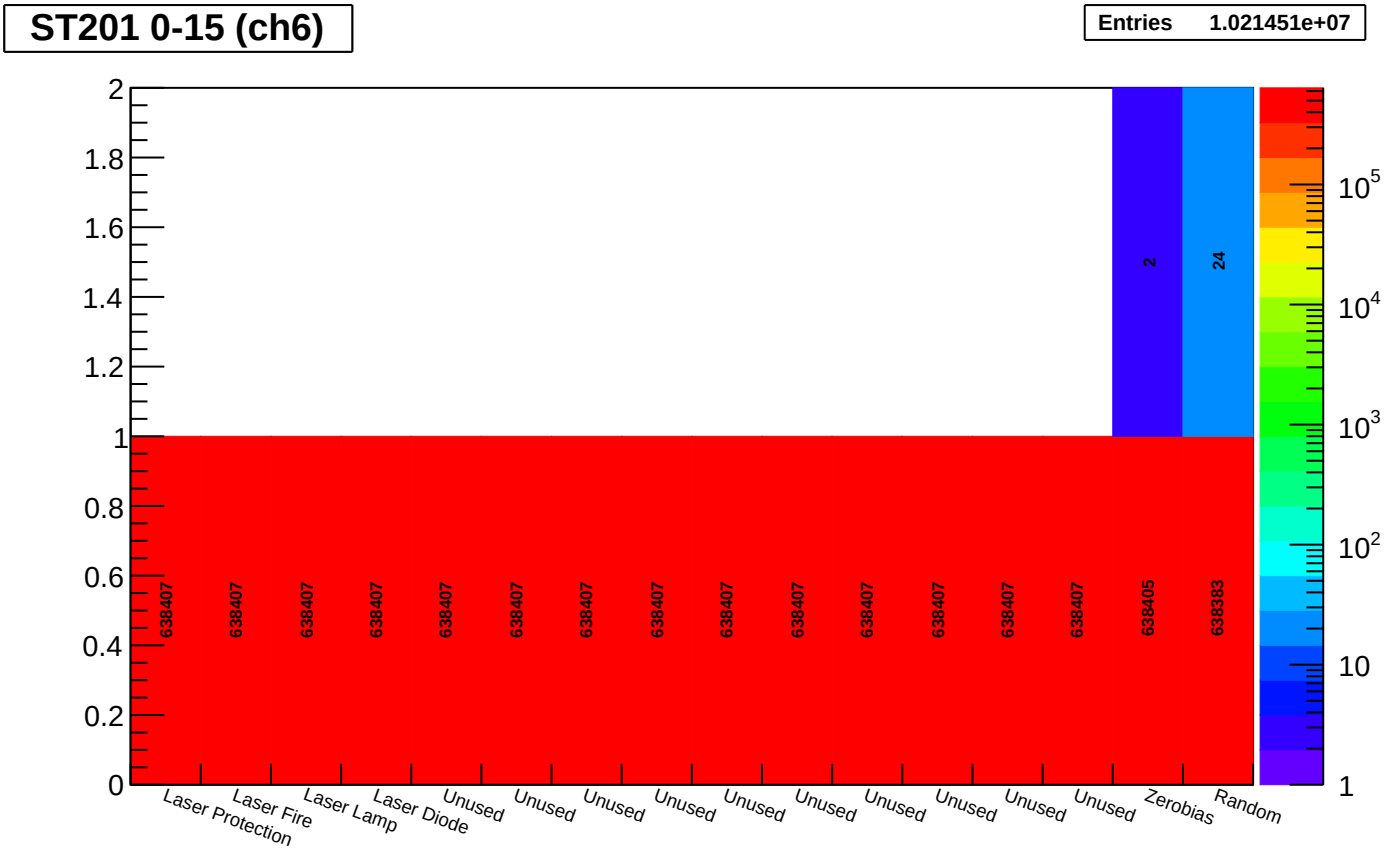

Entries 638407
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

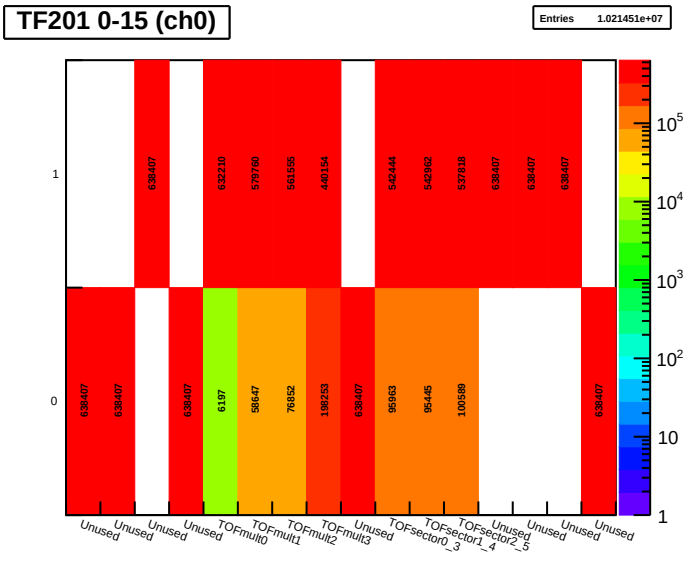

Entries 638407
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

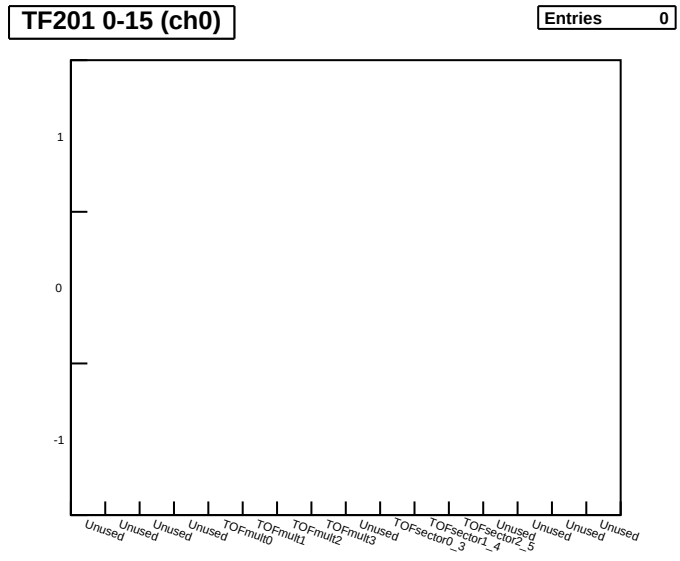

Entries 638407
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

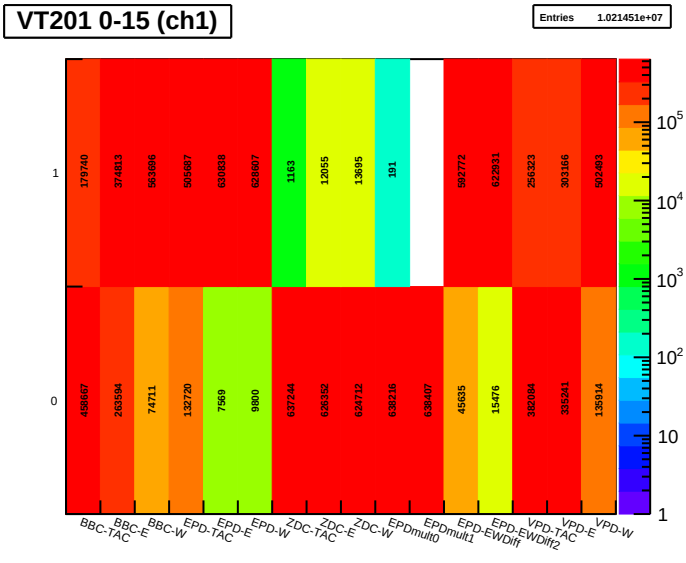

Entries 638407
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

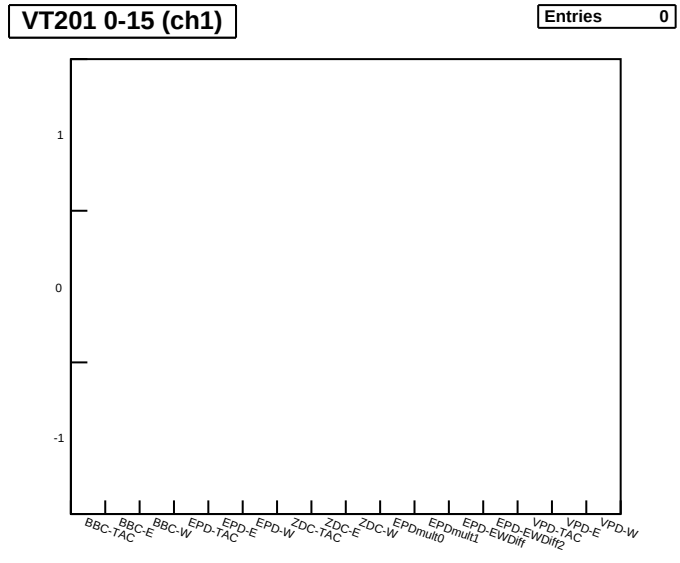

Laser Input Bits
Entries 638407
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

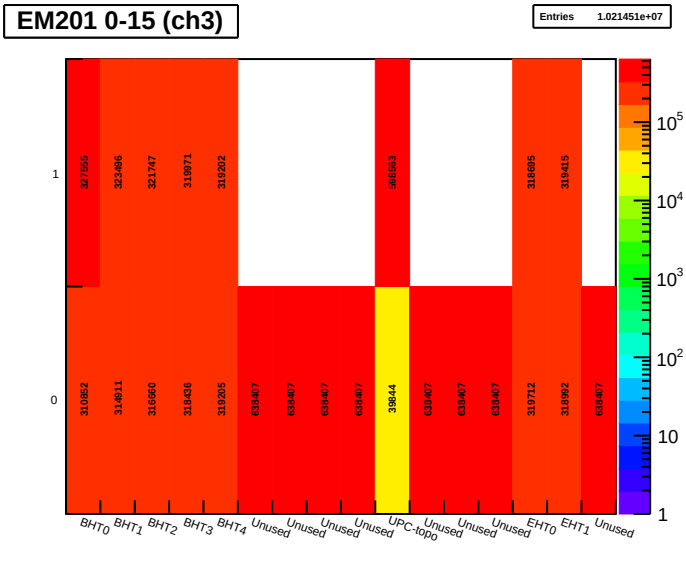

ST201 0-15 (ch6)
Entries 1.021451e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
638407
638407
638407
638407
638407
638407
638407
638407
638407
638407
638407
638407
638407
638407
638405
638383
2
24
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

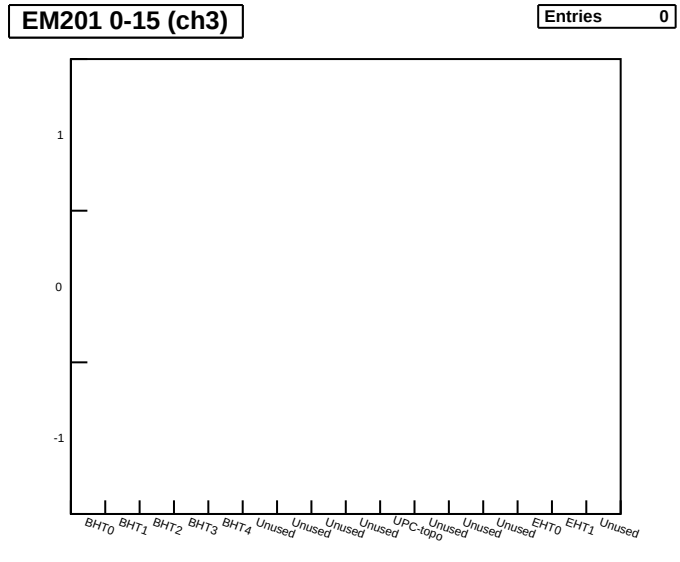

TF201 0-15 (ch0)
Entries 1.021451e+07
638407 632210 579760 561565 440154 542444 542962 537818 638407 638407 638407
638407 638407 638407 6197 58647 76852 198253 638407 95963 95445 100589 638407
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused


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


VT201 0-15 (ch1)
Entries 1.021451e+07
179740 374813 563696 505687 630838 628607 1163 12055 13695 191 592772 622931 256323 303166 502483
458667 263594 74711 132720 7569 9800 637244 628352 624712 638216 638407 45635 15476 382084 335241 136914
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 1.021451e+07
327555 323496 321747 319971 319202 598563 318695 319415
310852 314911 316660 318436 319205 638407 638407 638407 638407 38844 638407 638407 638407 319712 318992 638407
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