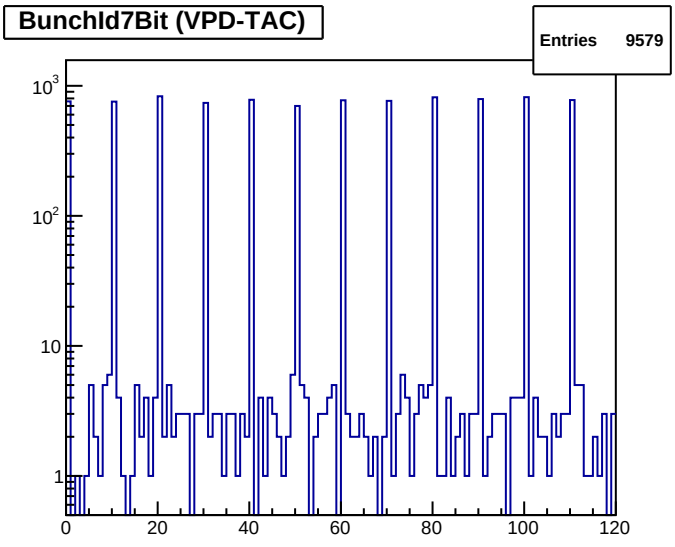
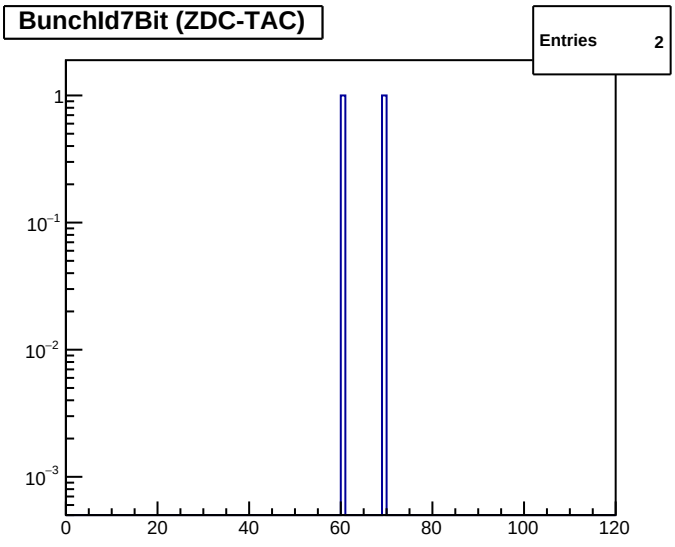
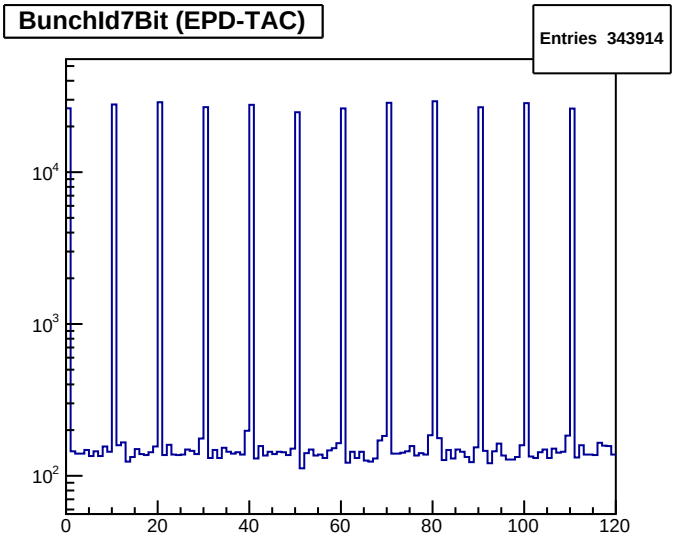
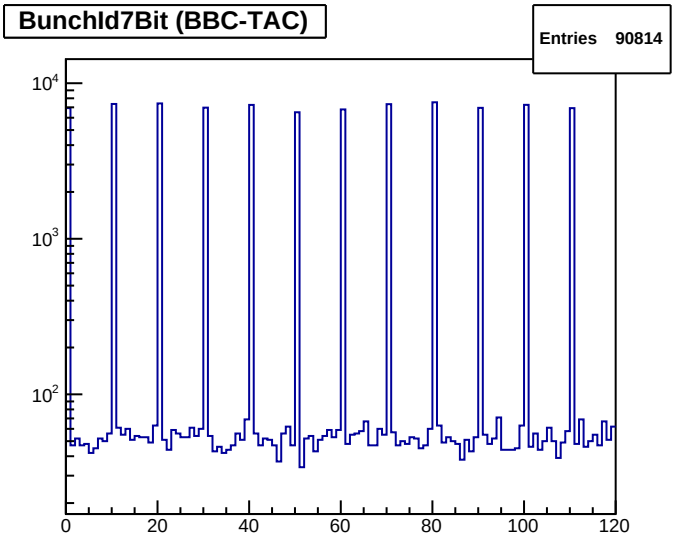
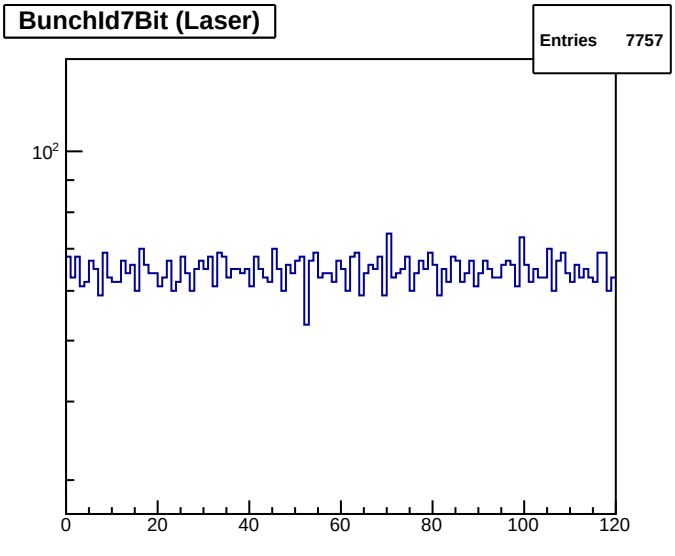
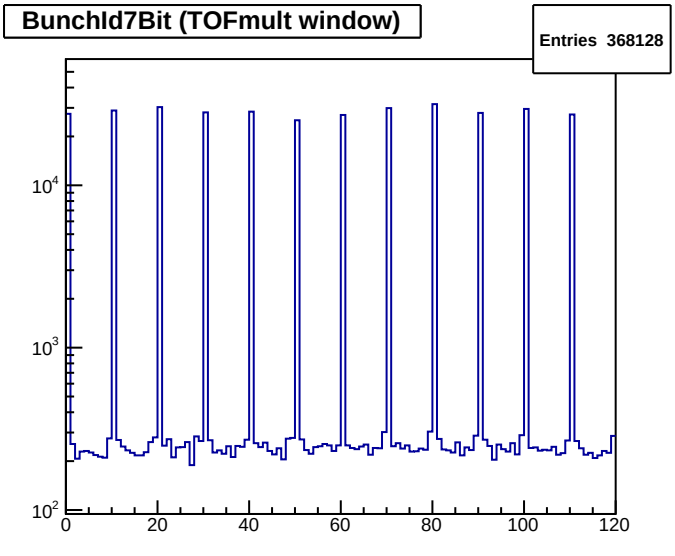

BunchId7Bit (VPD-TAC)
Entries 9579

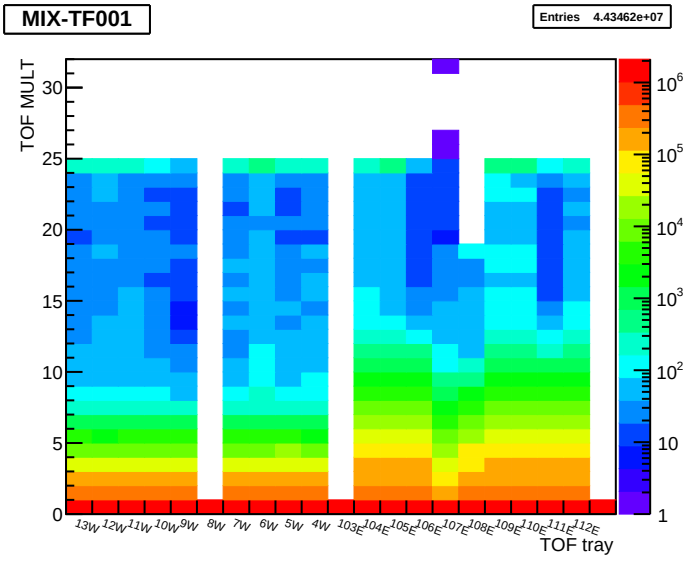

BunchId7Bit (ZDC-TAC)
Entries 2

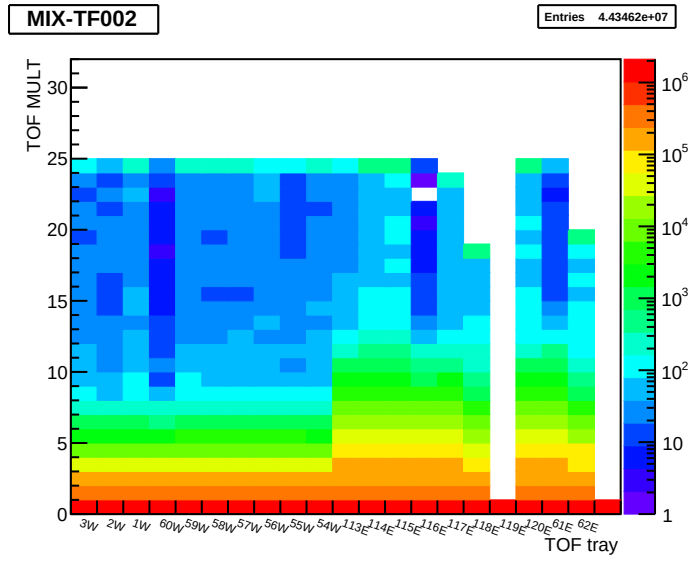

BunchId7Bit (EPD-TAC)
Entries 343914

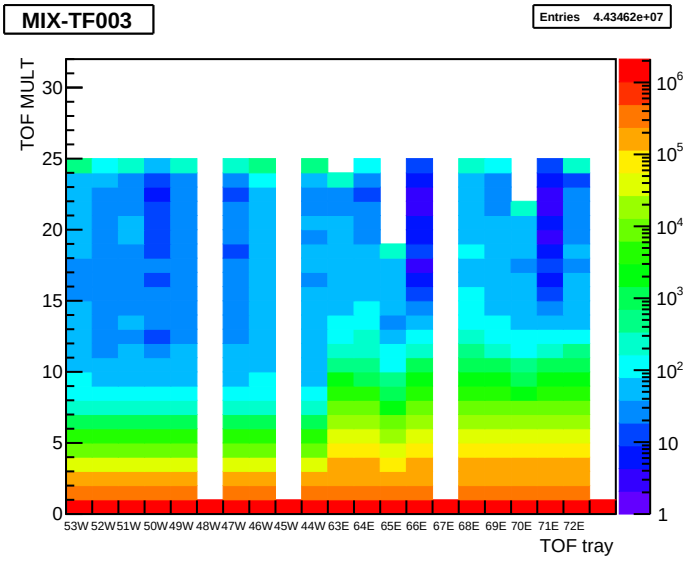

BunchId7Bit (BBC-TAC)
Entries 90814

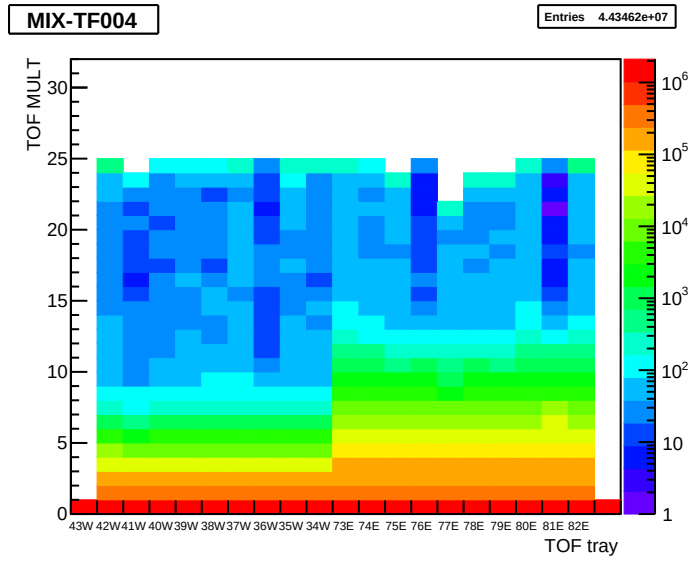

BunchId7Bit (Laser)
Entries 7757

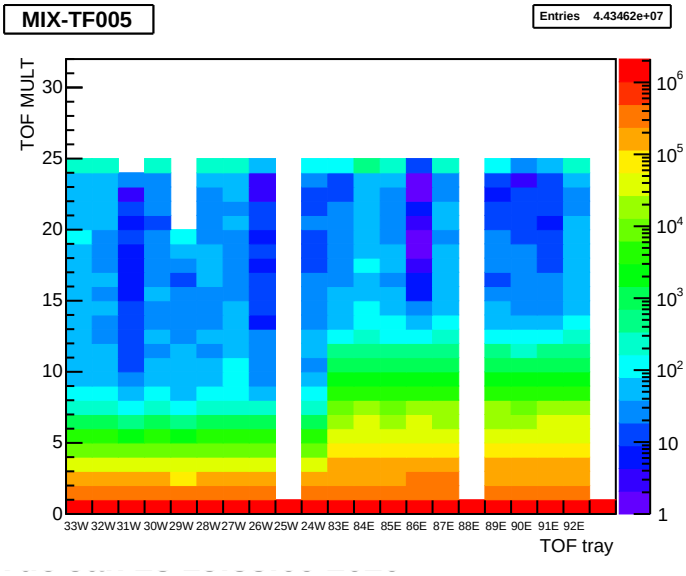

BunchId7Bit (TOFmult window)
Entries 368128

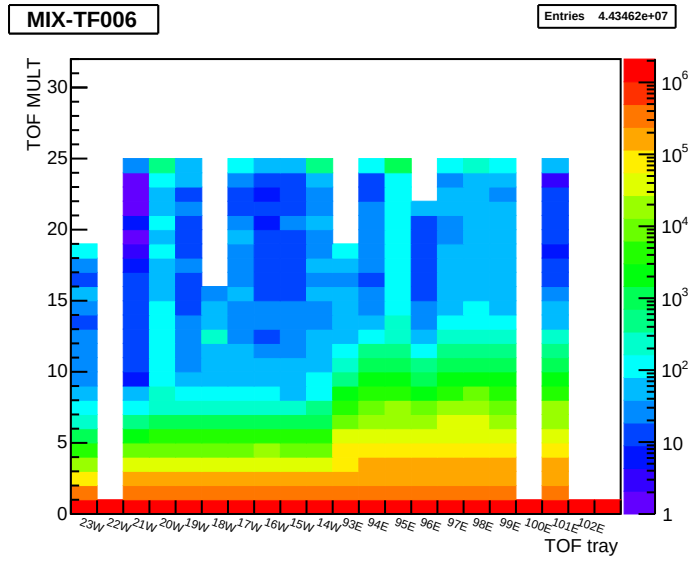

MIX-TF001
Entries 4.43462e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

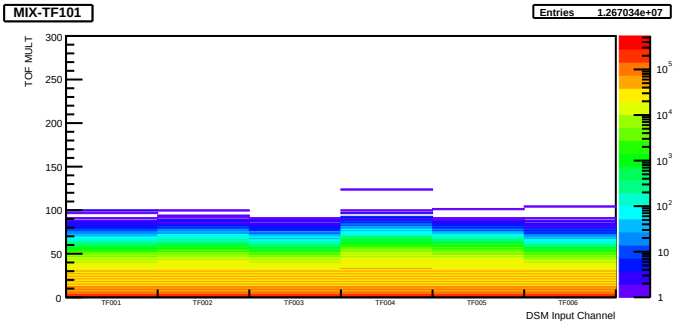

MIX-TF002
Entries 4.43462e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

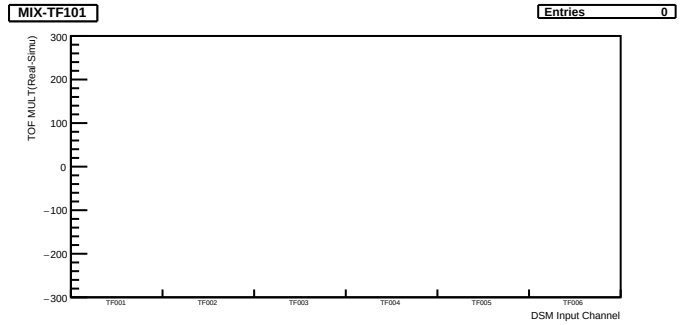

MIX-TF003
Entries 4.43462e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

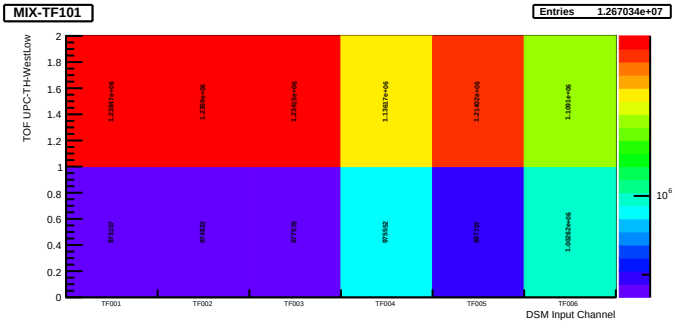

MIX-TF004
Entries 4.43462e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

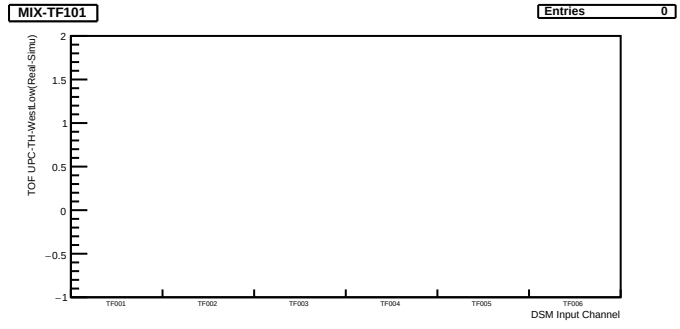

MIX-TF005
Entries 4.43462e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

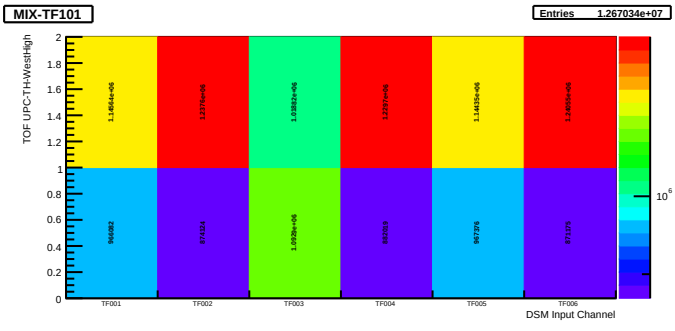

MIX-TF006
Entries 4.43462e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

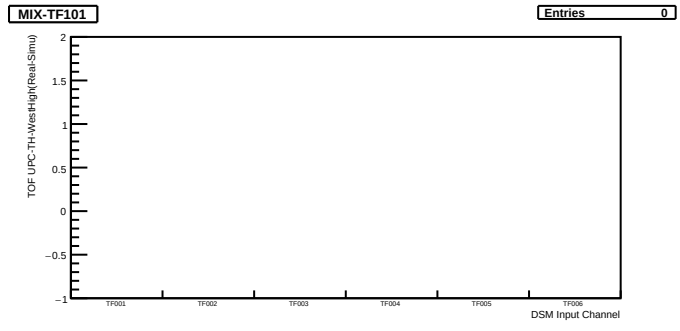

MIX-TF101
Entries 1.267034e+07
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

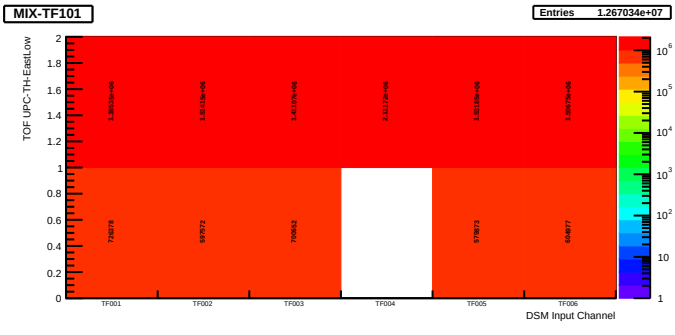

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

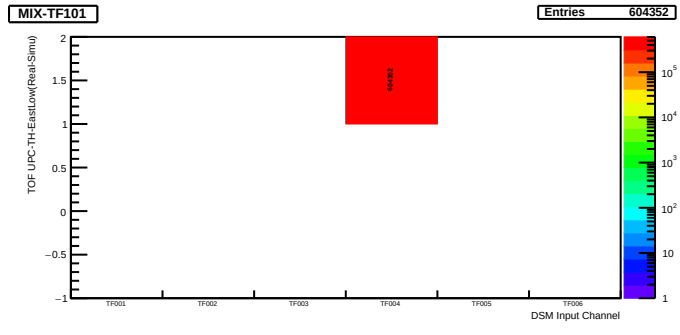

MIX-TF101
Entries 1.267034e+07
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

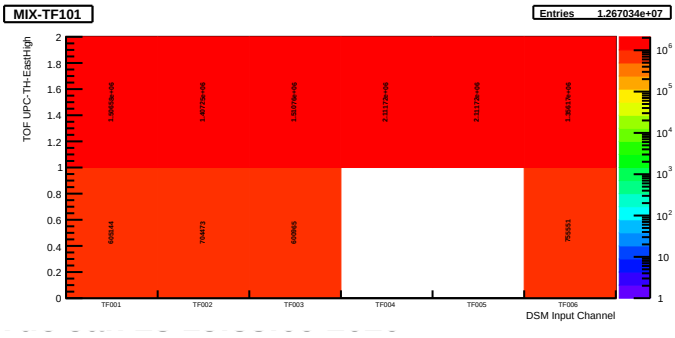

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

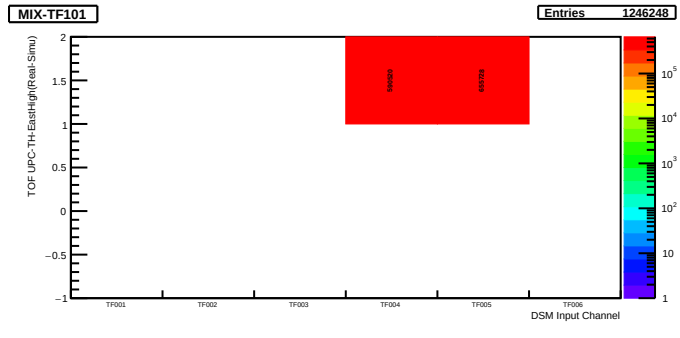

MIX-TF101
Entries 1.267034e+07
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

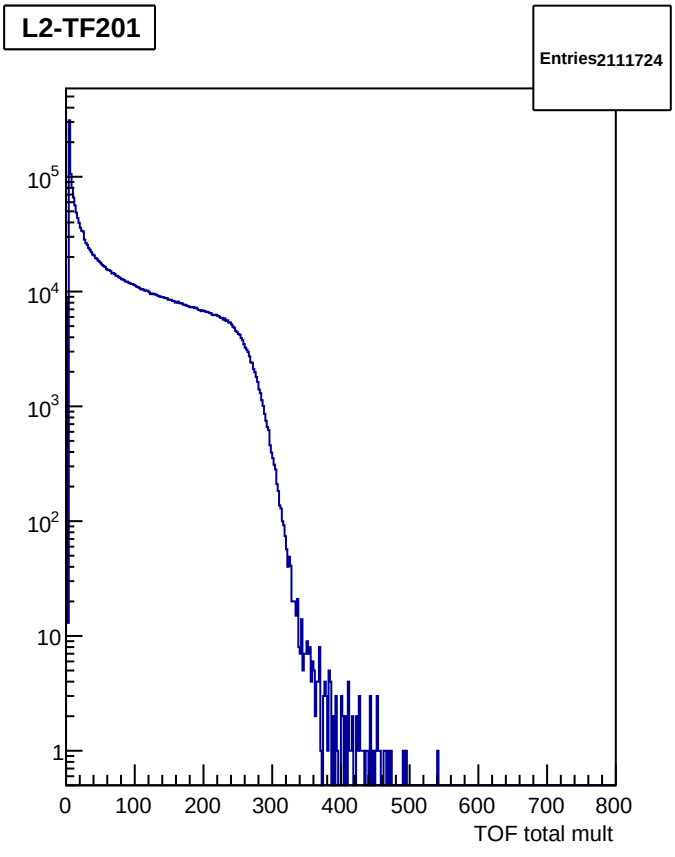

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

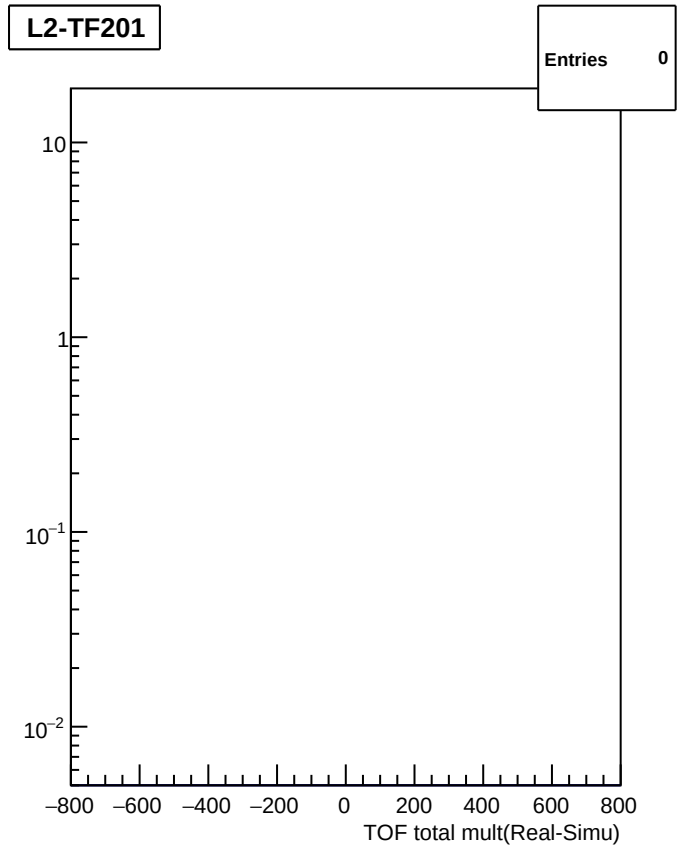

MIX-TF101
Entries 1.267034e+07
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

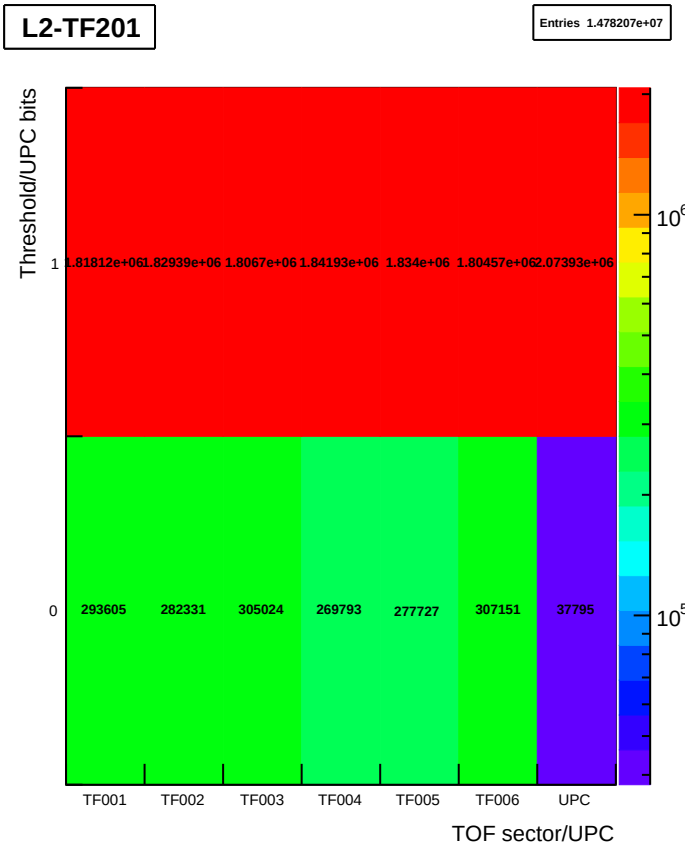

MIX-TF101
Entries 604352
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

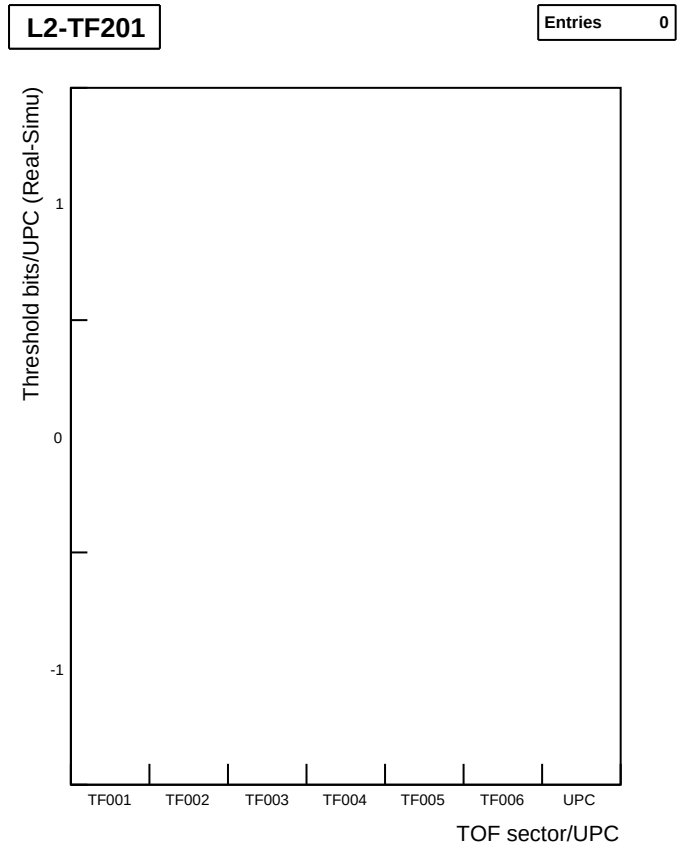

MIX-TF101
Entries 1.267034e+07
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

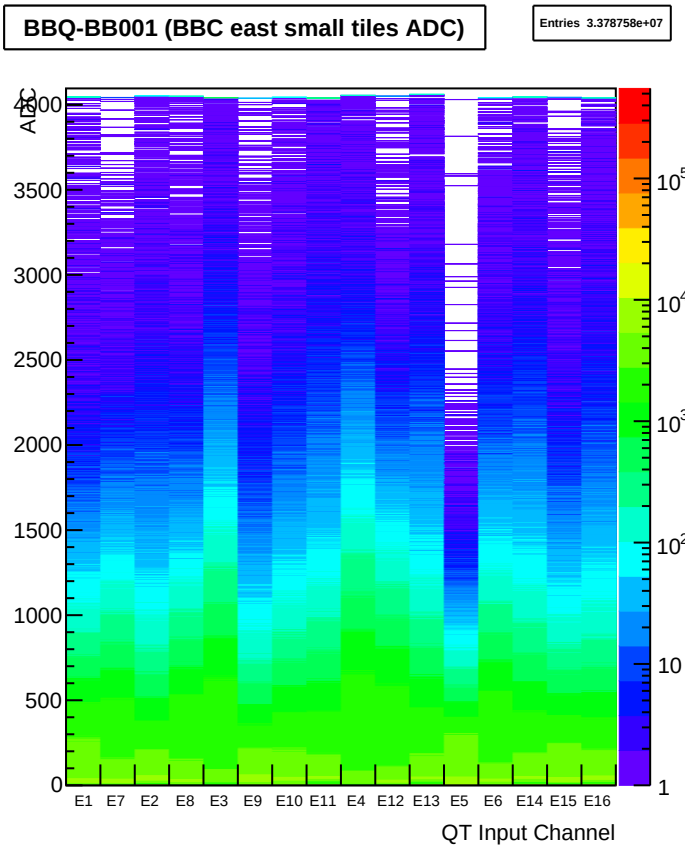

MIX-TF101
Entries 1246248
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

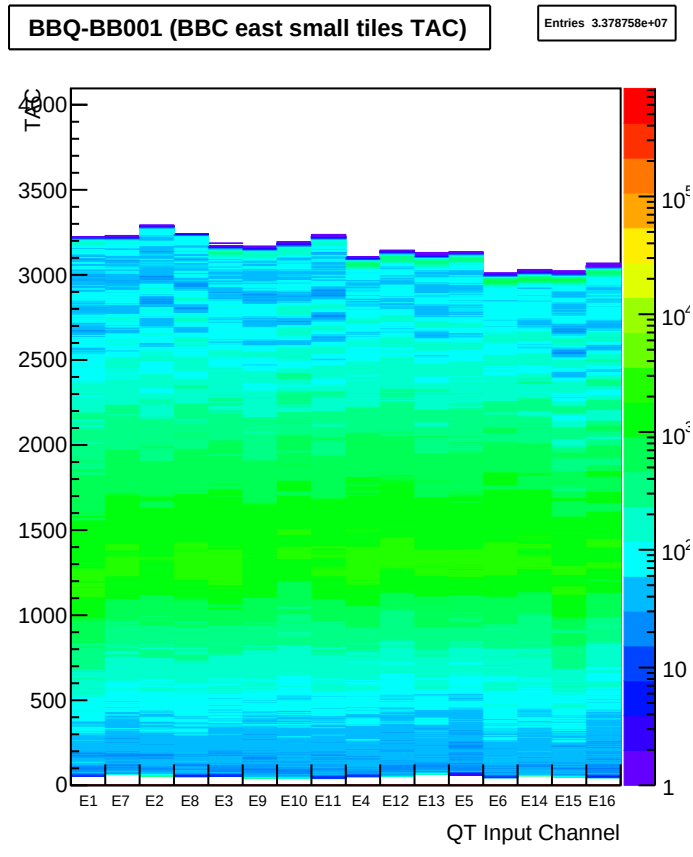

L2-TF201
Entries2111724
TOF total mult

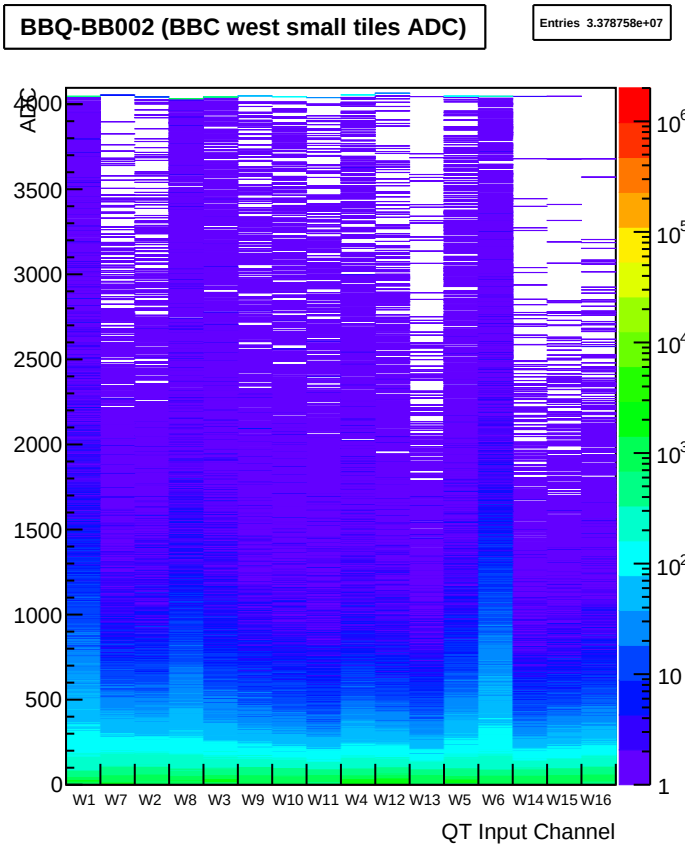

L2-TF201
Entries 0
TOF total mult(Real-Simu)

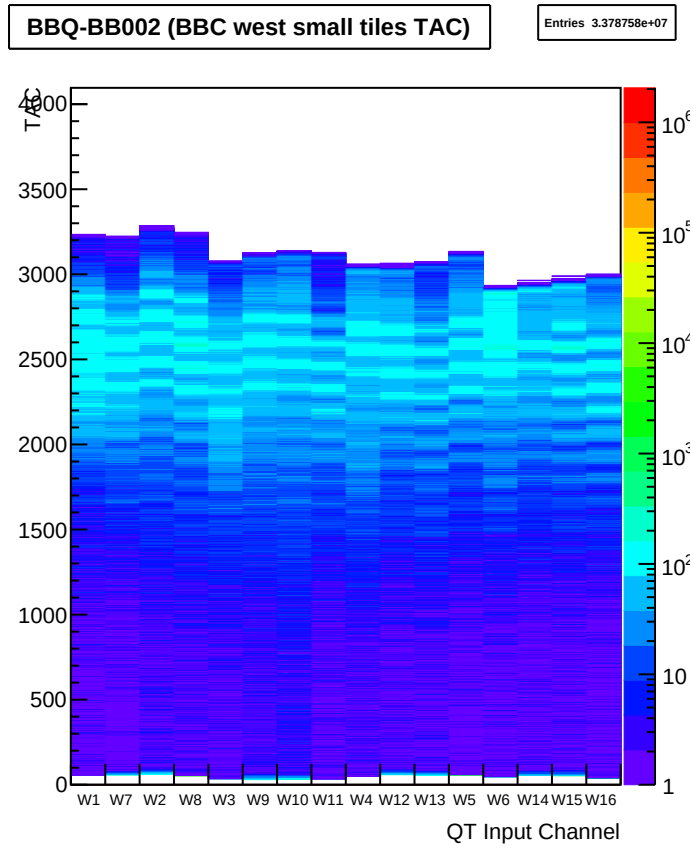

L2-TF201
Entries 1.478207e+07
Threshold/UPC bits
1.81812e+06 1.82939e+06 1.8067e+06 1.84193e+06 1.834e+06 1.80457e+06 2.07393e+06
293605 282331 305024 269793 277727 307151 37795
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

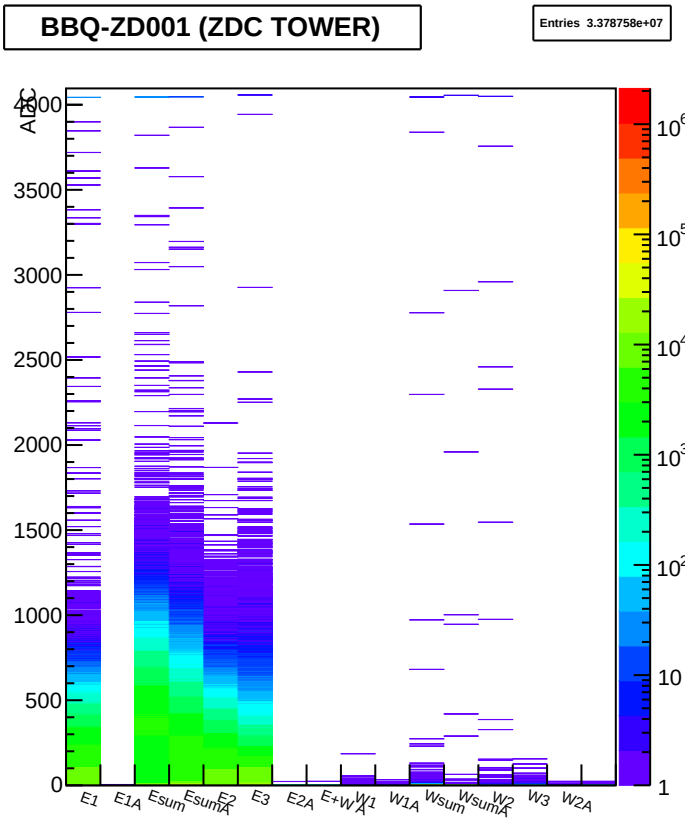

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

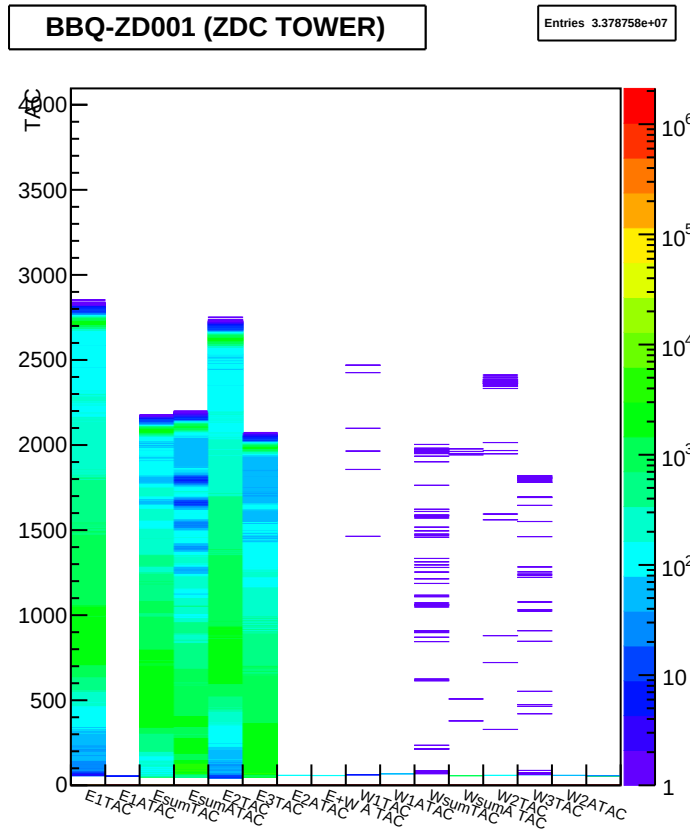

BBQ-BB001 (BBC east small tiles ADC)
Entries 3.378758e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

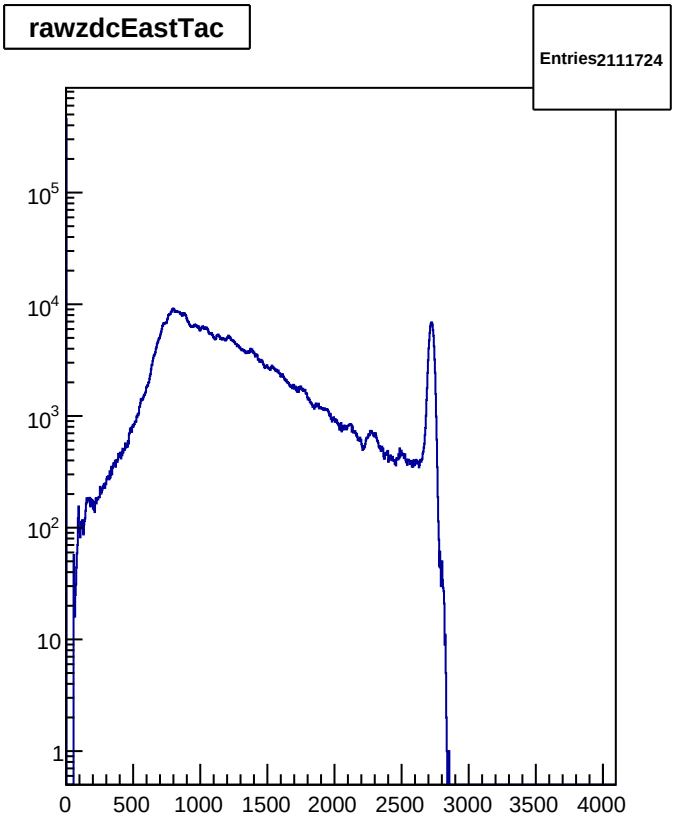

BBQ-BB001 (BBC east small tiles TAC)
Entries 3.378758e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

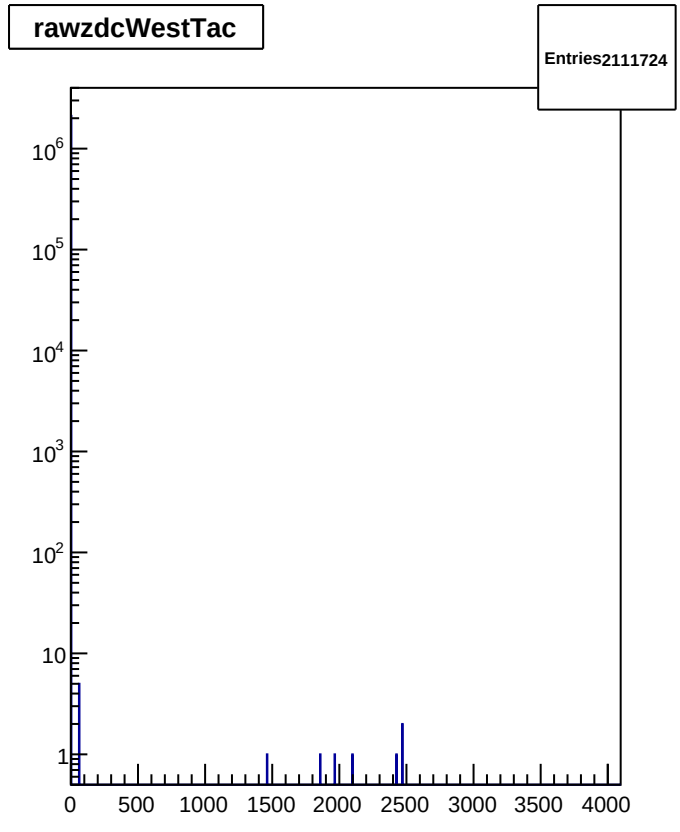

BBQ-BB002 (BBC west small tiles ADC)
Entries 3.378758e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

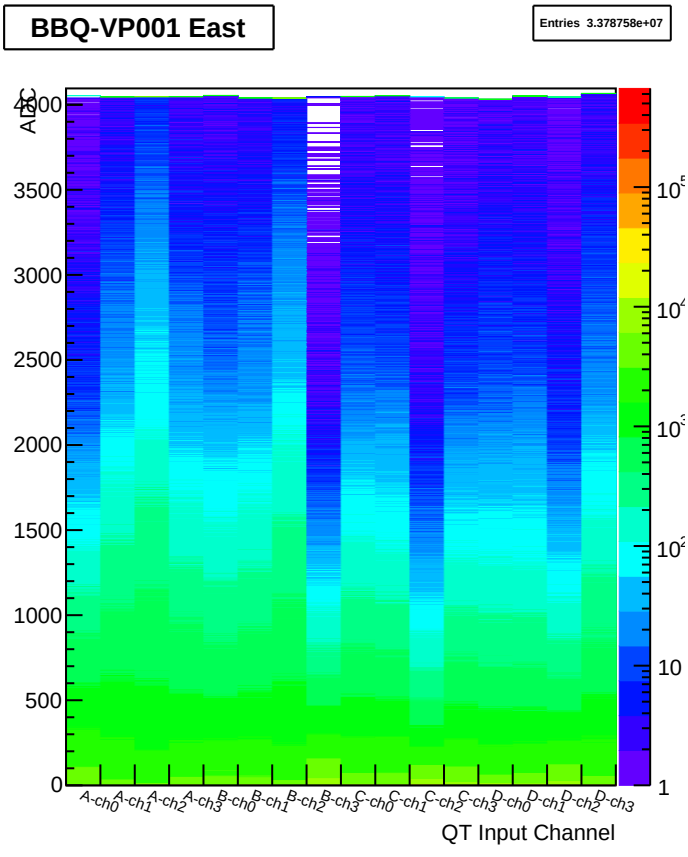

BBQ-BB002 (BBC west small tiles TAC)
Entries 3.378758e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

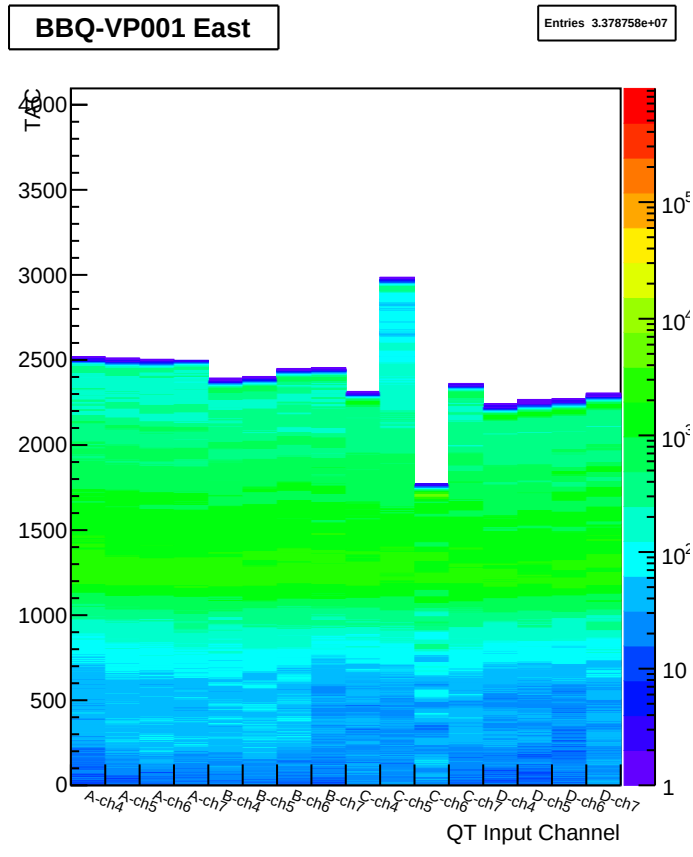

BBQ-ZD001 (ZDC TOWER)
Entries 3.378758e+07
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

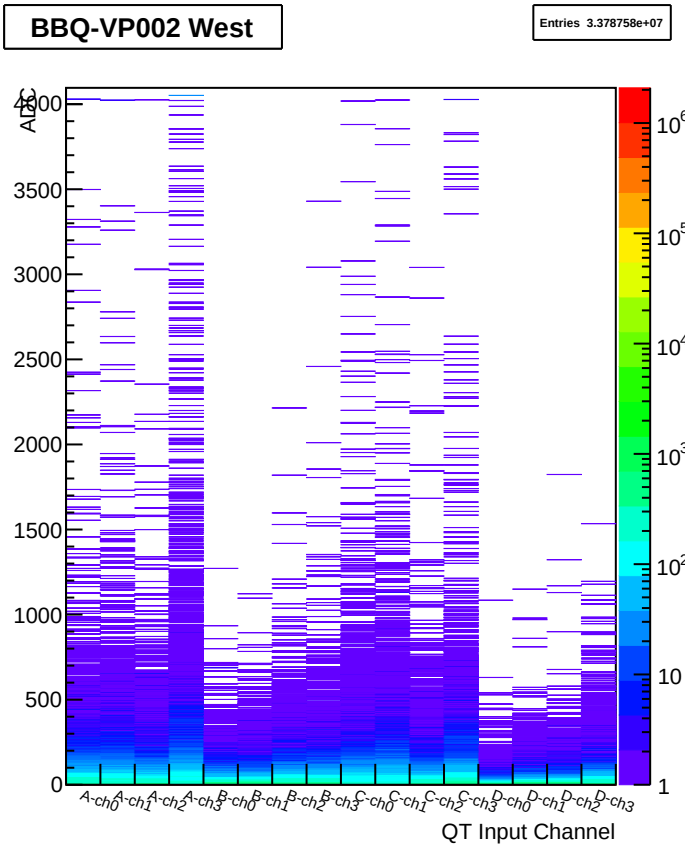

BBQ-ZD001 (ZDC TOWER)
Entries 3.378758e+07
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumATAC
W2TAC
W3TAC
W2ATAC

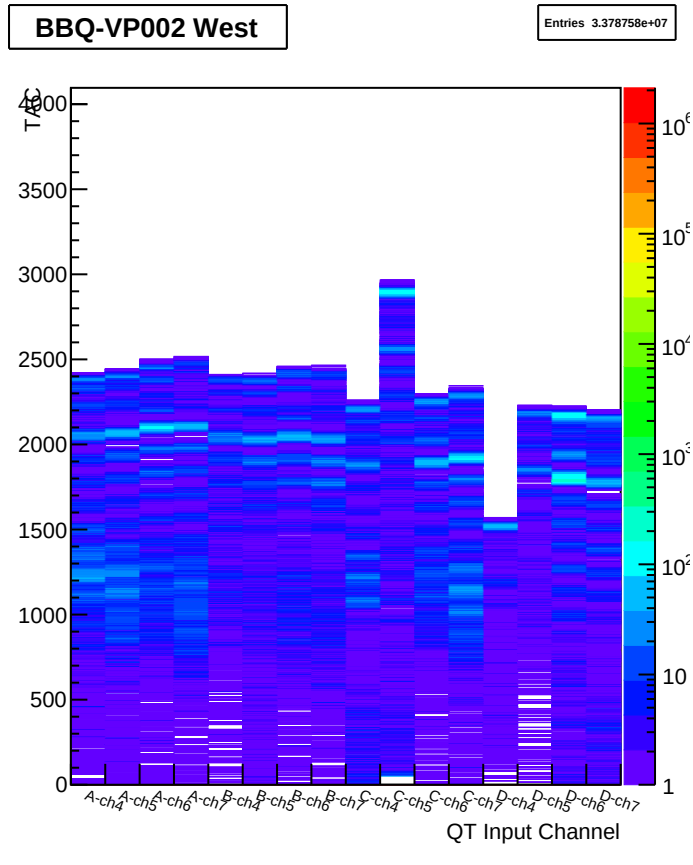

rawzdcEastTac
Entries2111724

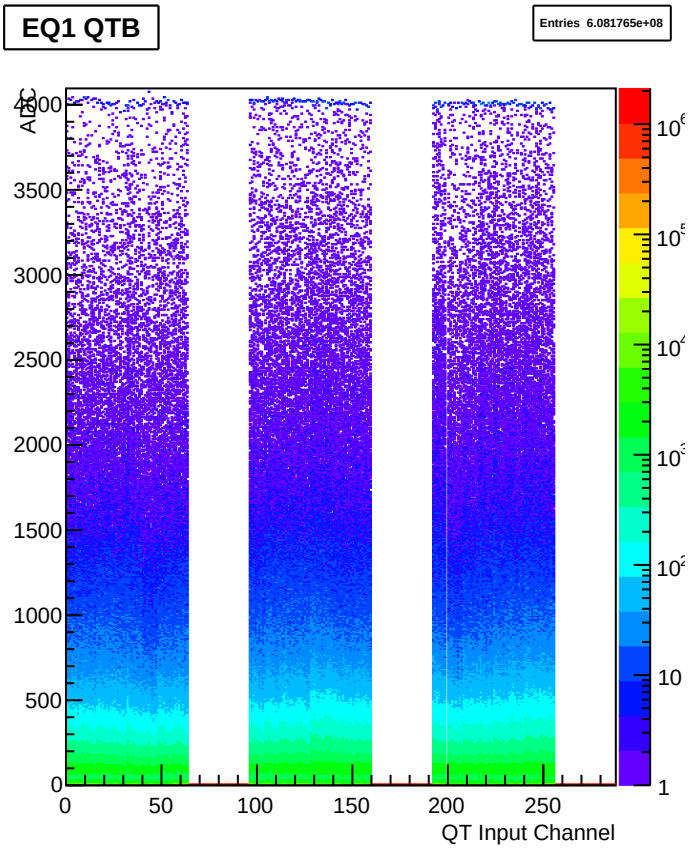

rawzdcWestTac
Entries2111724

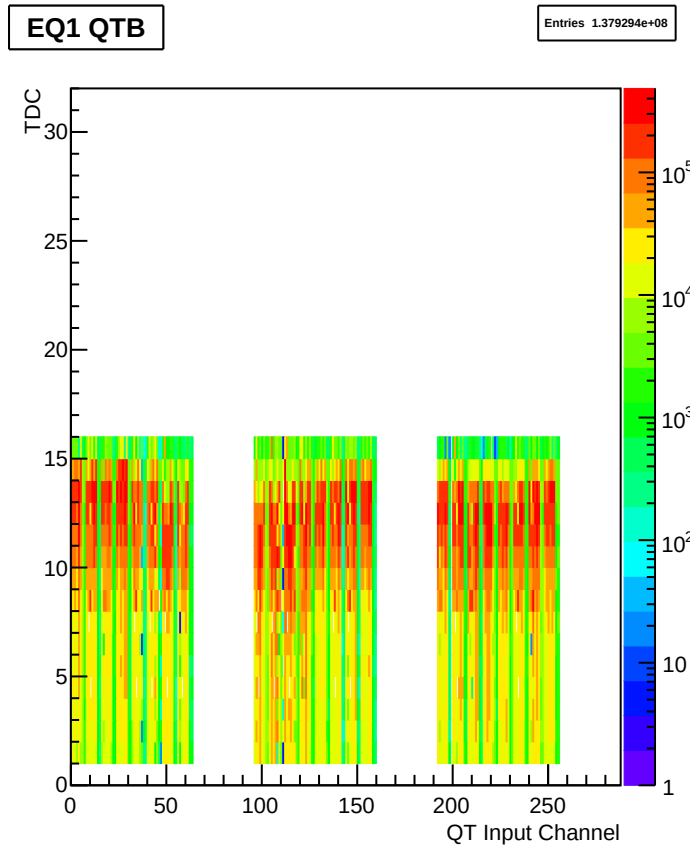

BBQ-VP001 East
Entries 3.378758e+07
ADC
QT Input Channel

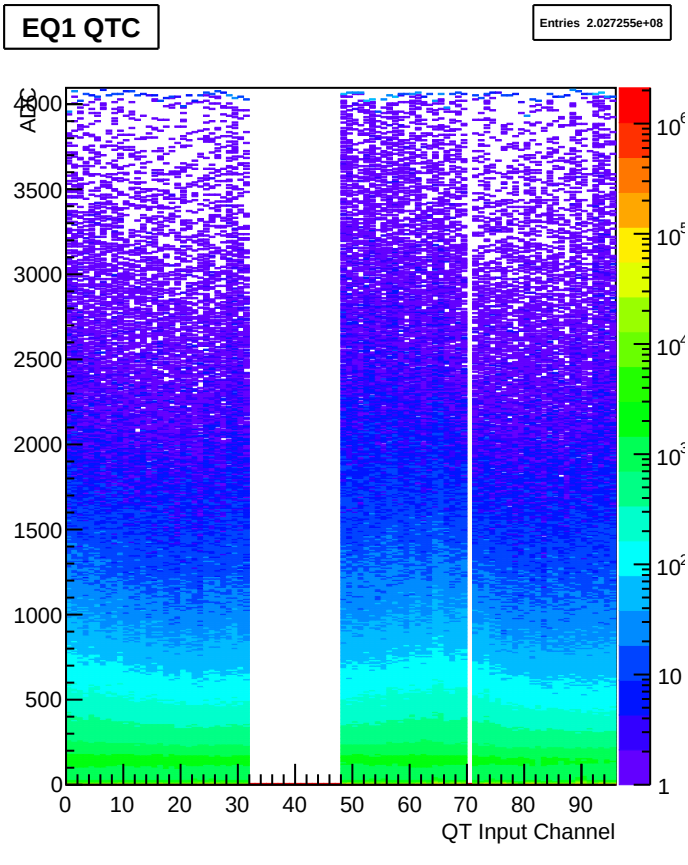

BBQ-VP001 East
Entries 3.378758e+07
TADC
QT Input Channel

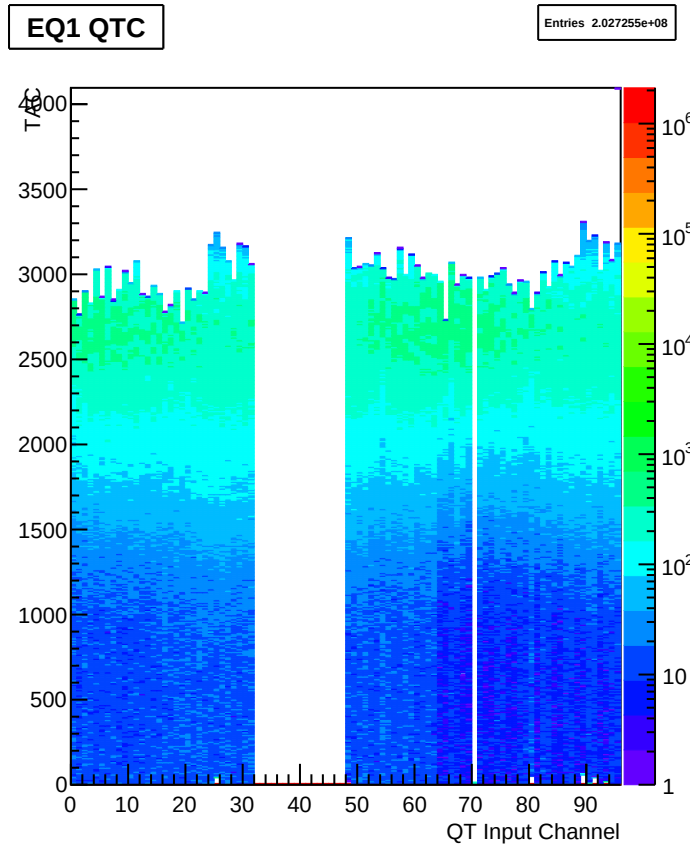

BBQ-VP002 West
Entries 3.378758e+07
ADC
QT Input Channel

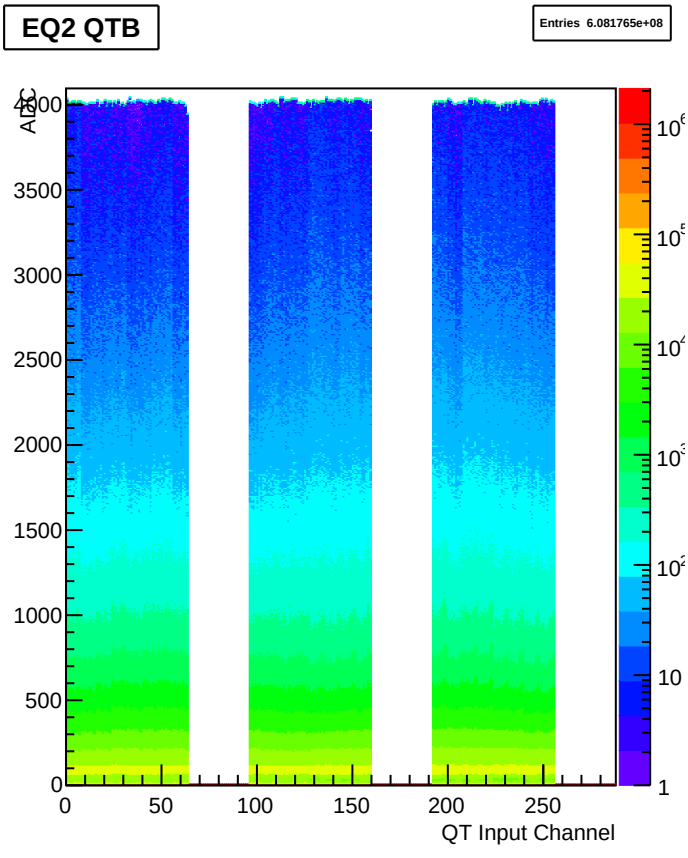

BBQ-VP002 West
Entries 3.378758e+07
TADC
QT Input Channel

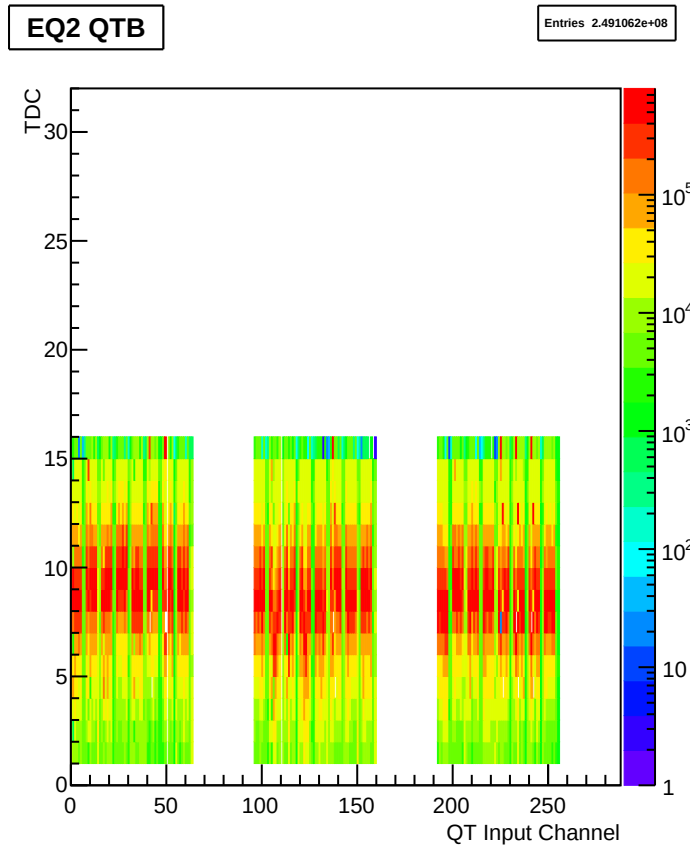

EQ1 QTB
Entries 6.081765e+08
ADC
QT Input Channel

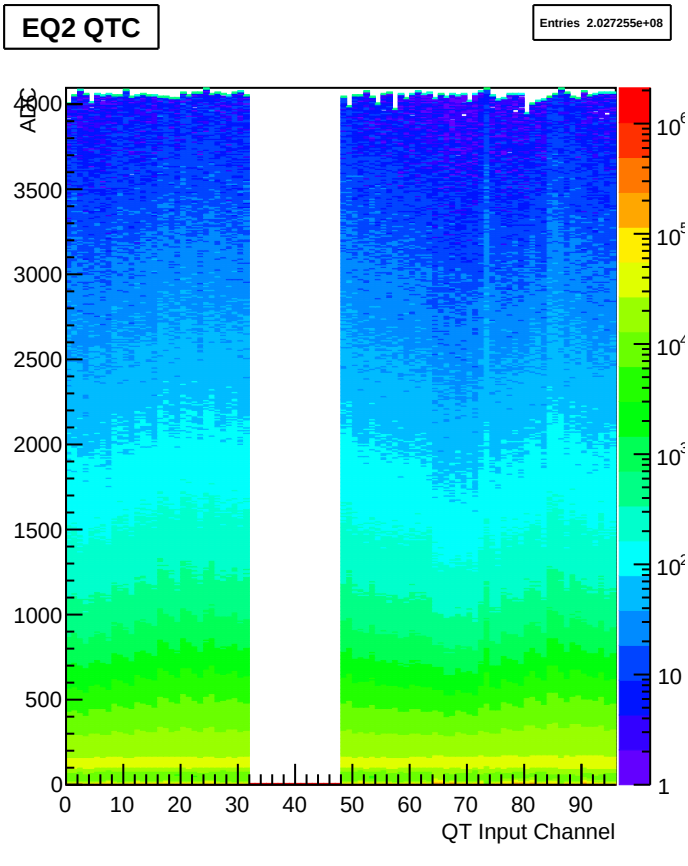

EQ1 QTB
Entries 1.379294e+08
TDC
QT Input Channel

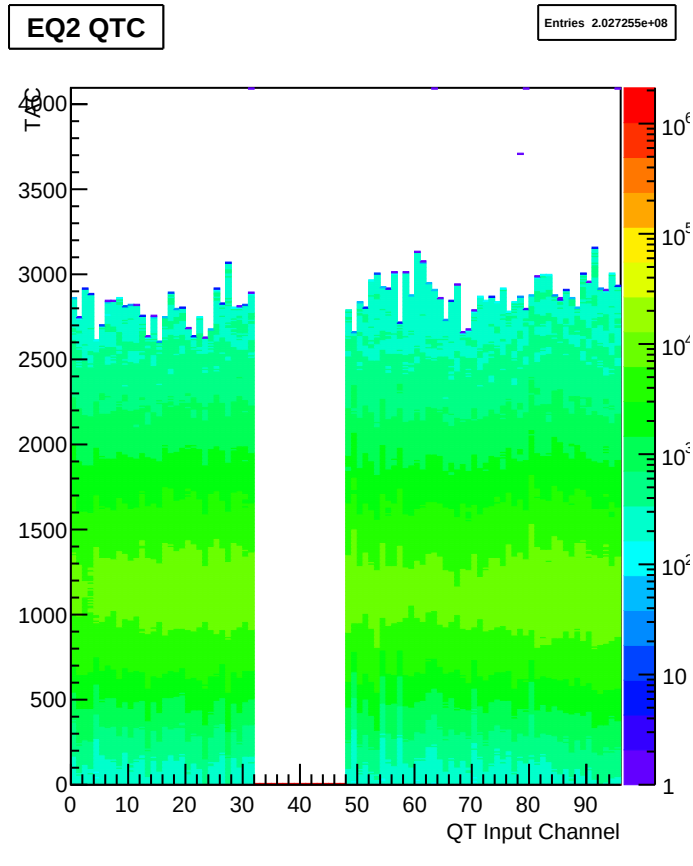

EQ1 QTC
Entries 2.027255e+08
ADC
QT Input Channel

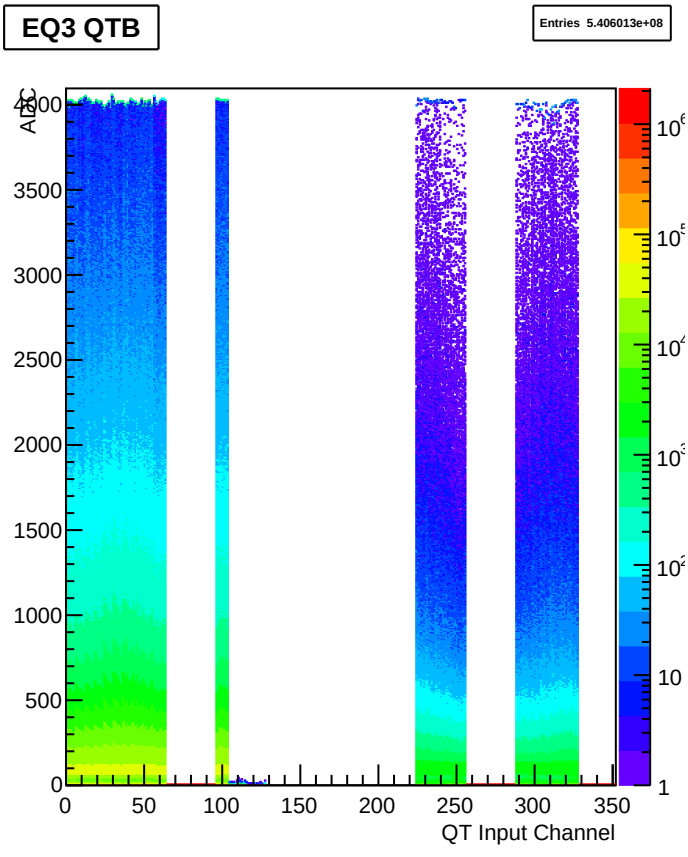

EQ1 QTC
Entries 2.027255e+08
TADC
QT Input Channel

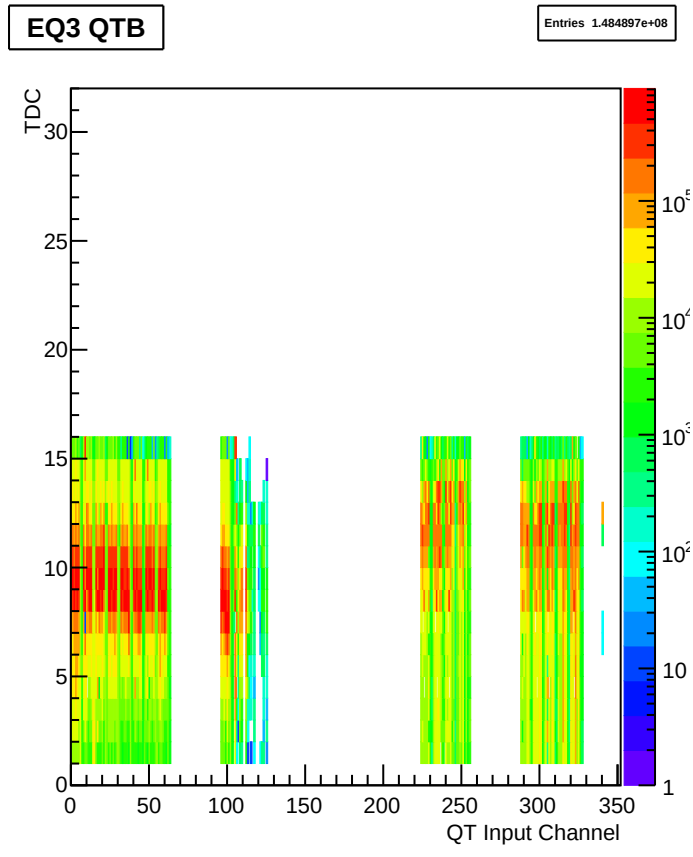

EQ2 QTB
Entries 6.081765e+08
ADC
QT Input Channel

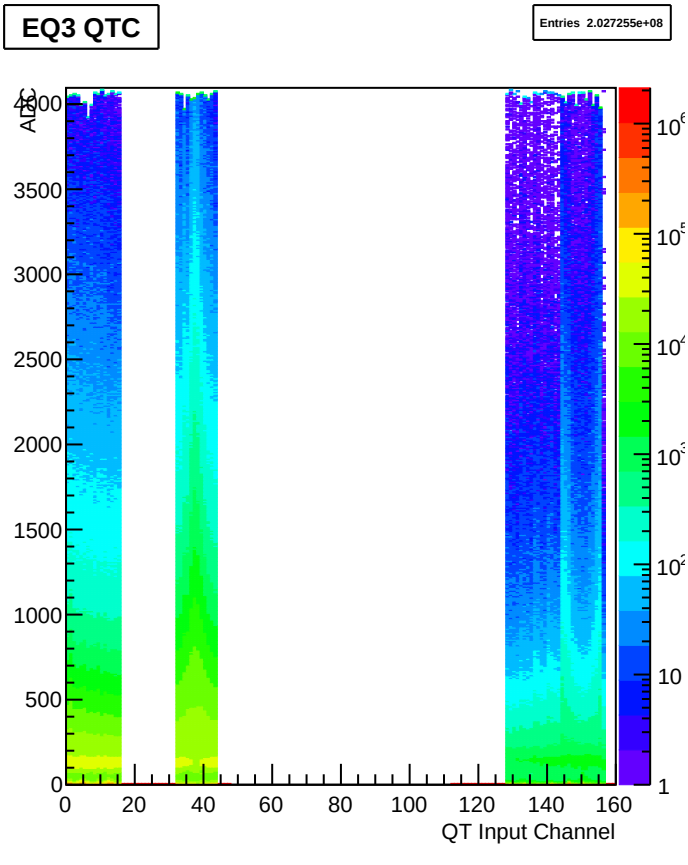

EQ2 QTB
Entries 2.491062e+08
TDC
QT Input Channel

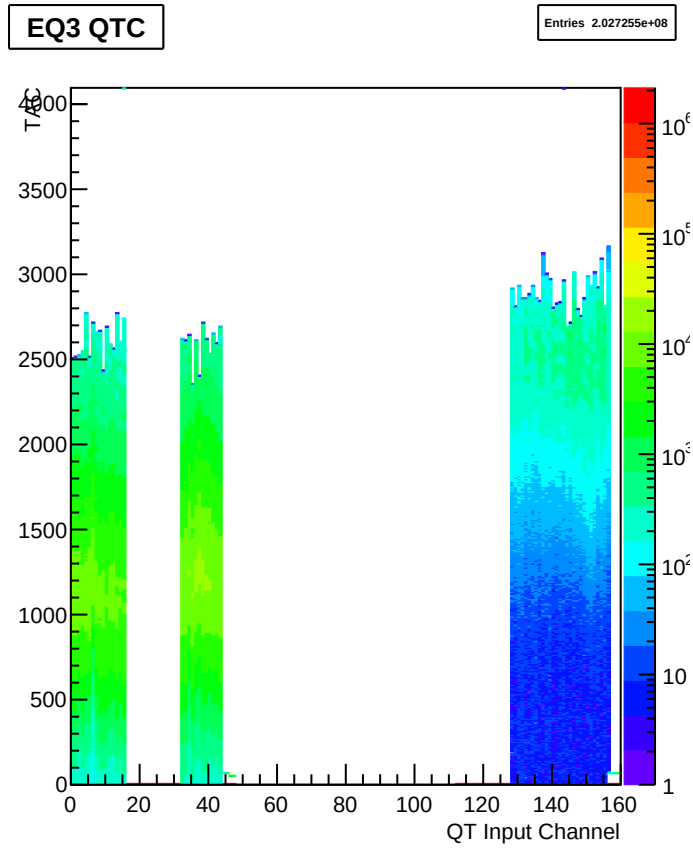

EQ2 QTC
Entries 2.027255e+08
ADC
QT Input Channel

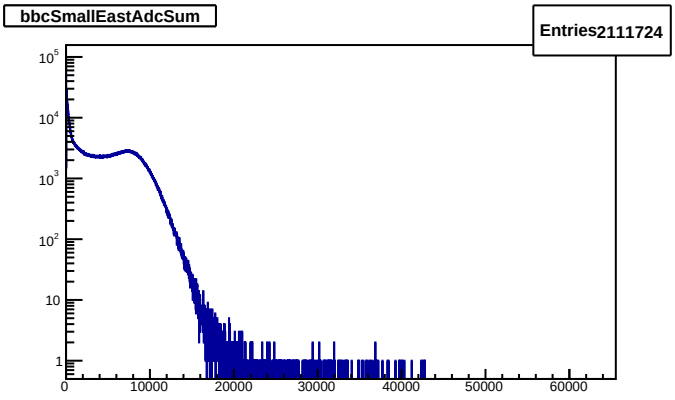

EQ2 QTC
Entries 2.027255e+08
TADC
QT Input Channel

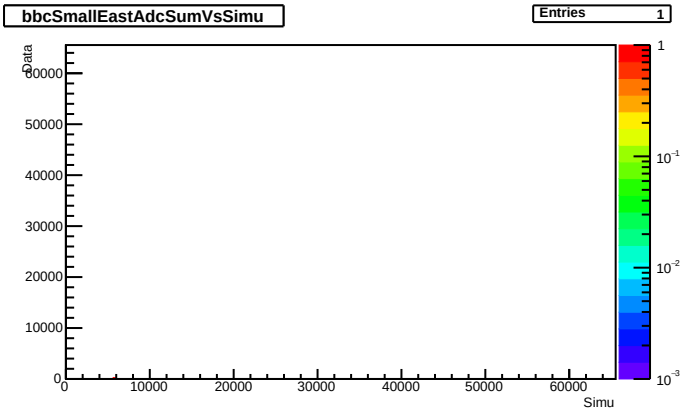

EQ3 QTB
Entries 5.406013e+08
ADC
QT Input Channel

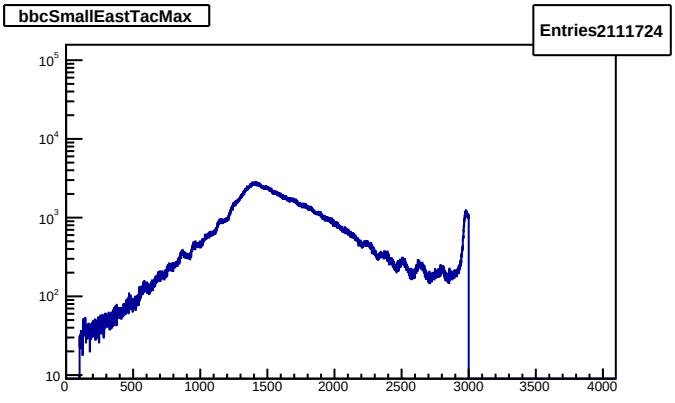

EQ3 QTB
Entries 1.484897e+08
TDC
QT Input Channel

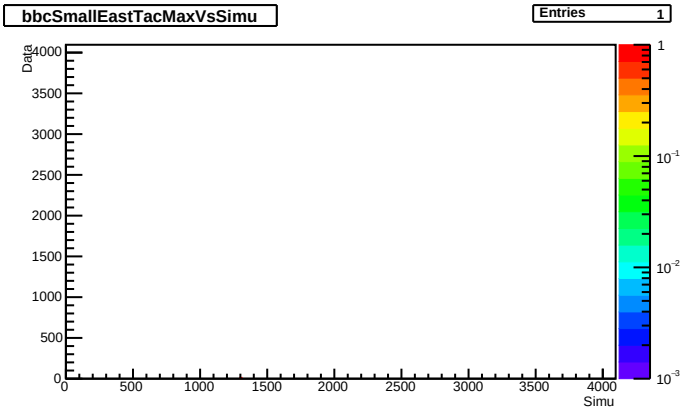

EQ3 QTC
Entries 2.027255e+08
ADC
QT Input Channel


EQ3 QTC
Entries 2.027255e+08
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries2111724


bbcSmallEastAdcSumVsSimu
Entries 1
Data
Simu


bbcSmallEastTacMax
Entries2111724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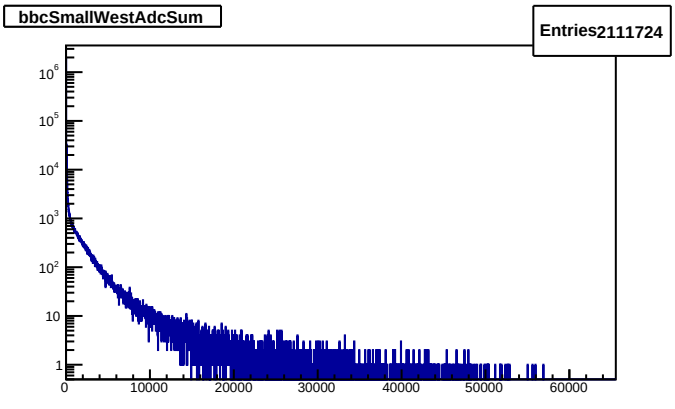
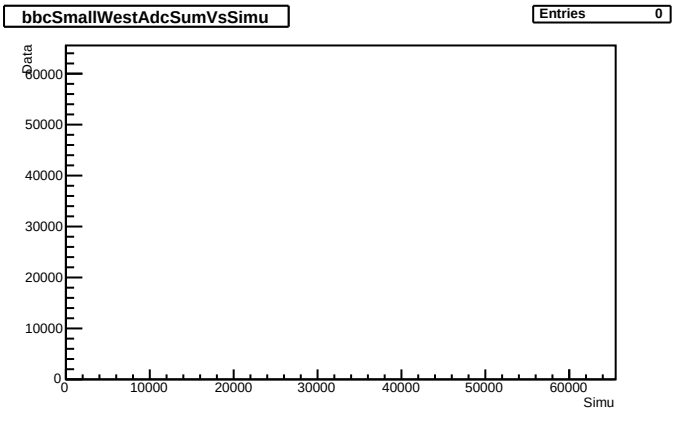
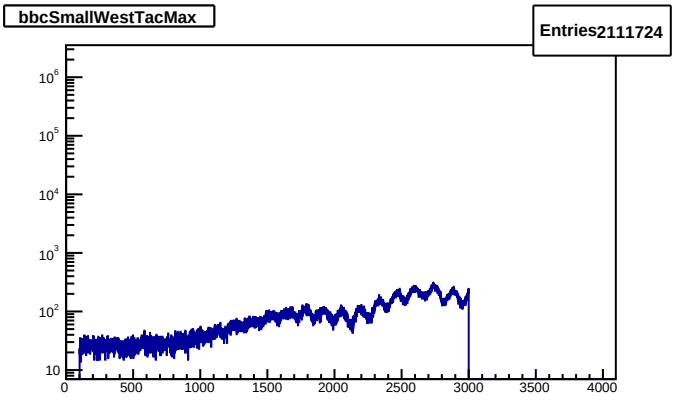
Entries 1
Data
Simu


bbcSmallWestAdcSum
Entries2111724


bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu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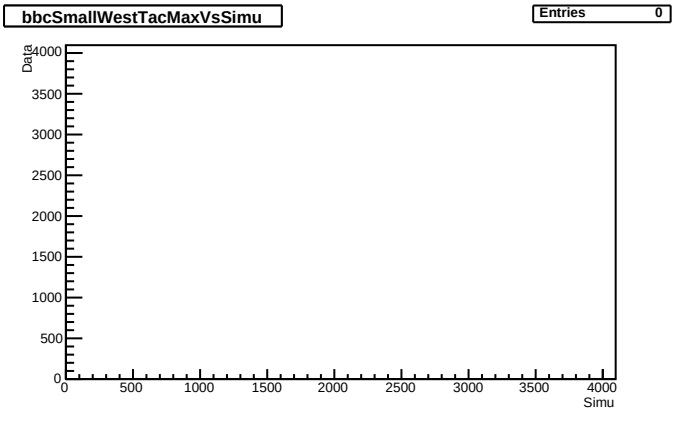
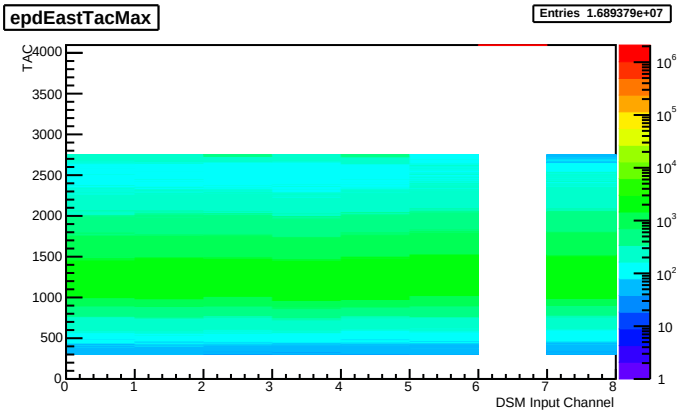
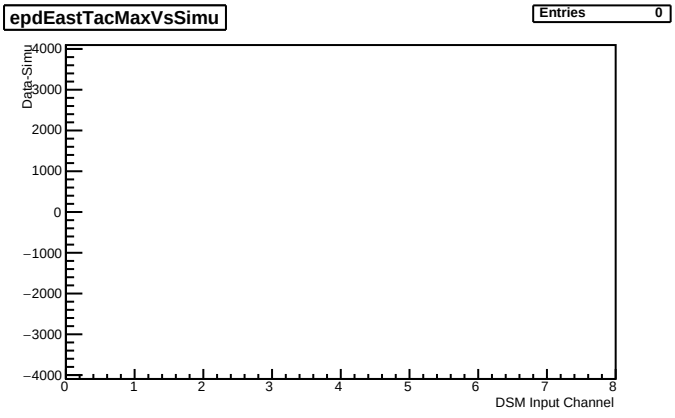
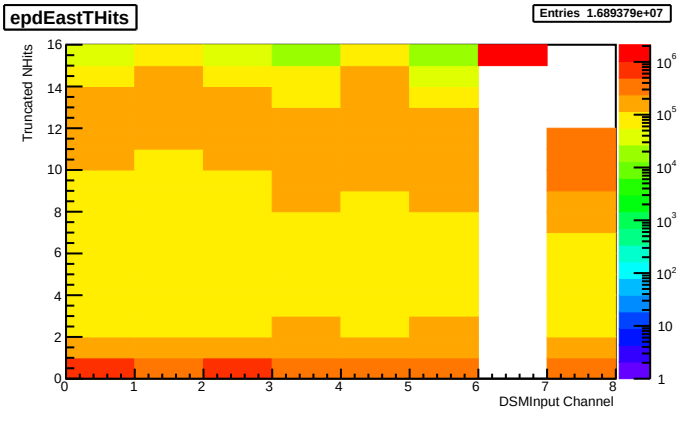
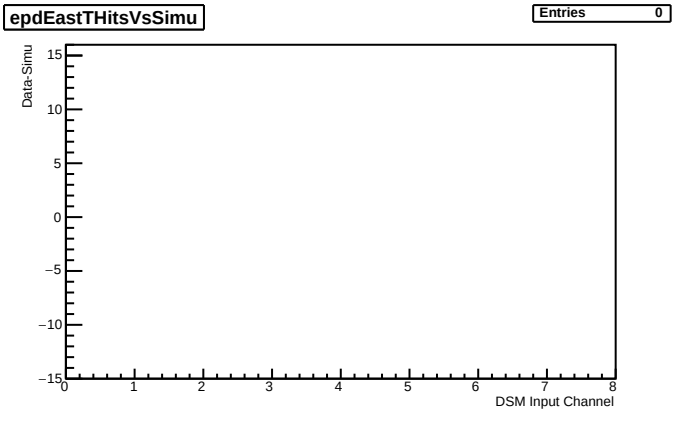
Entries2111724

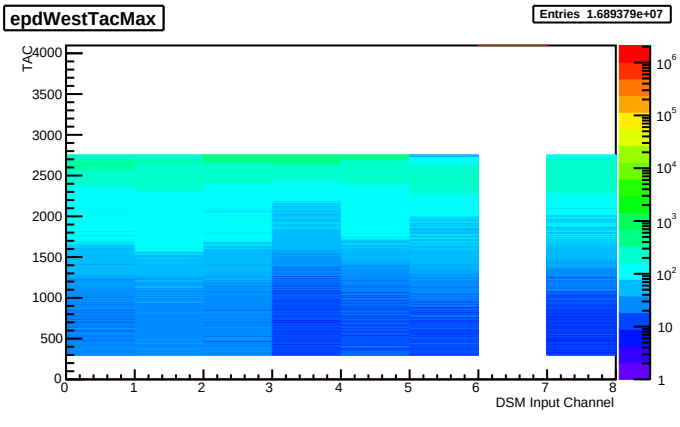

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

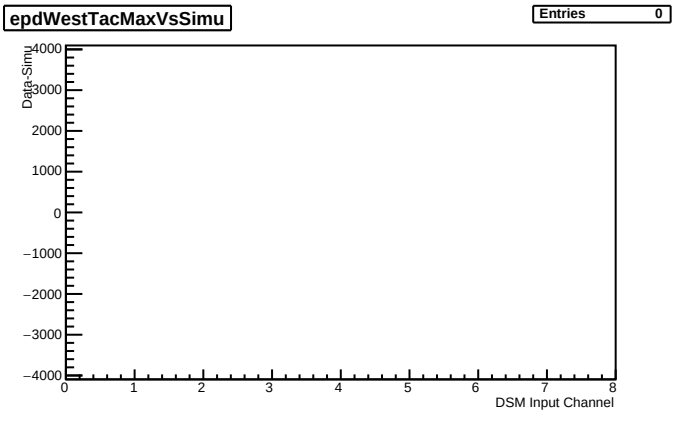

epdEastTacMax
Entries 1.689379e+07
TAC
DSM Input Channel

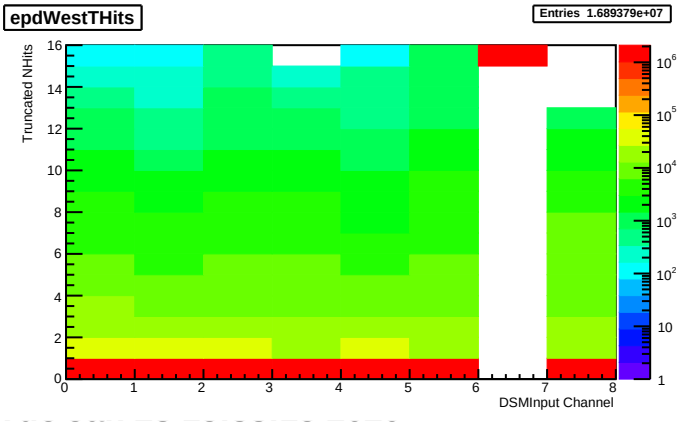

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

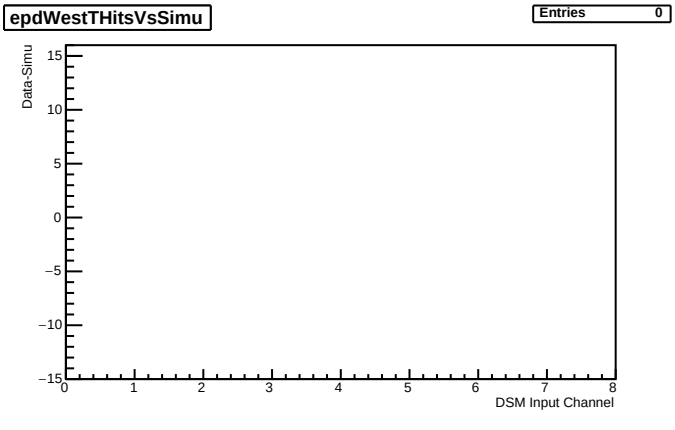

epdEastTHits
Entries 1.689379e+07
Truncated NHits
DSMInput Channel

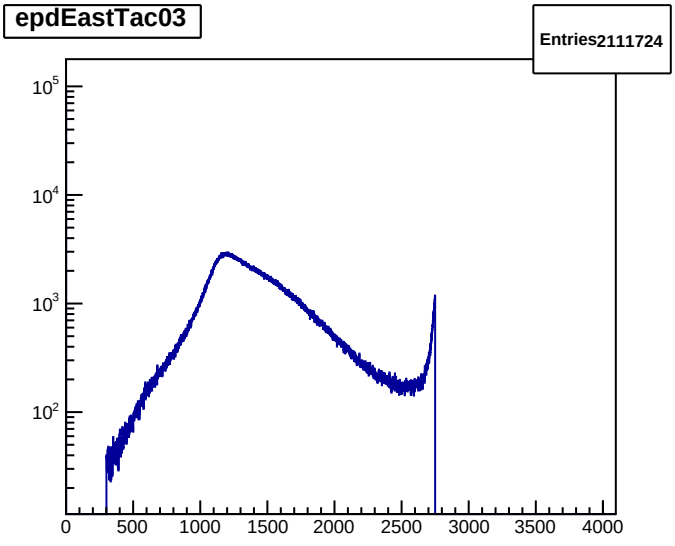

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

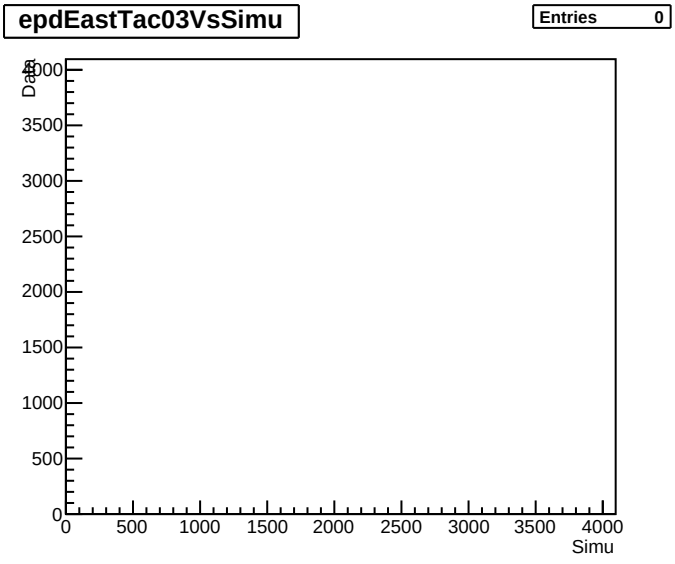

epdWestTacMax
Entries 1.689379e+07
TAC
DSM Input Channel

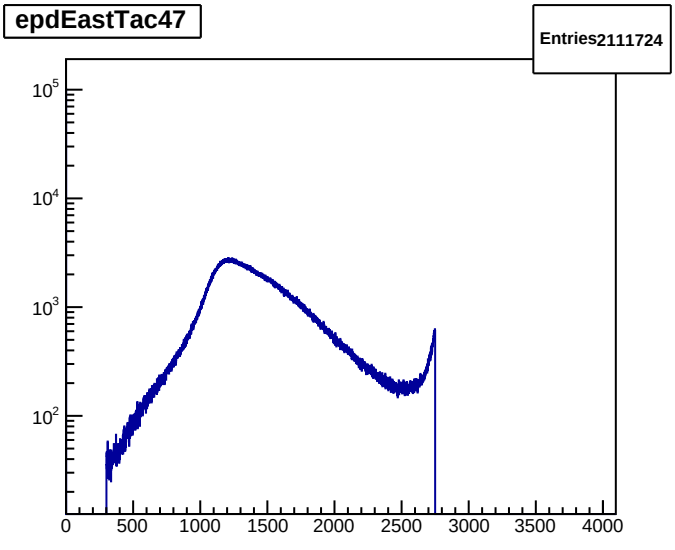

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 1.689379e+07
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries2111724
10^5
10^4
10^3
10^2
0 500 1000 1500 2000 2500 3000 3500 4000


epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastTac47
Entries2111724
10^5
10^4
10^3
10^2
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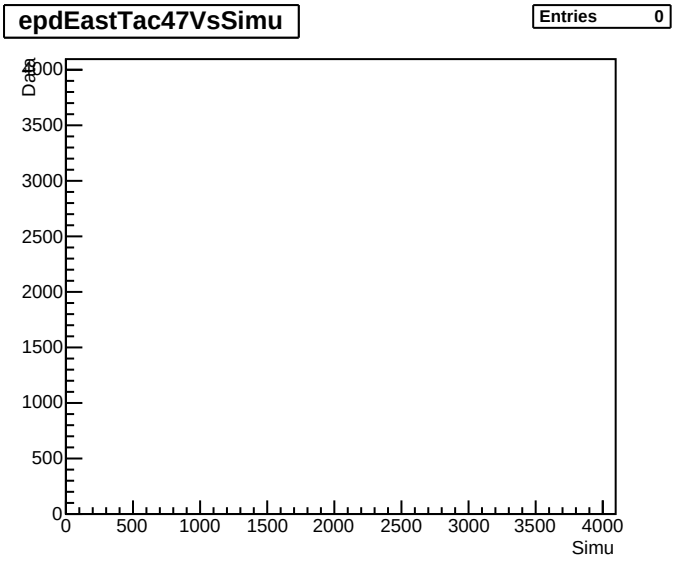
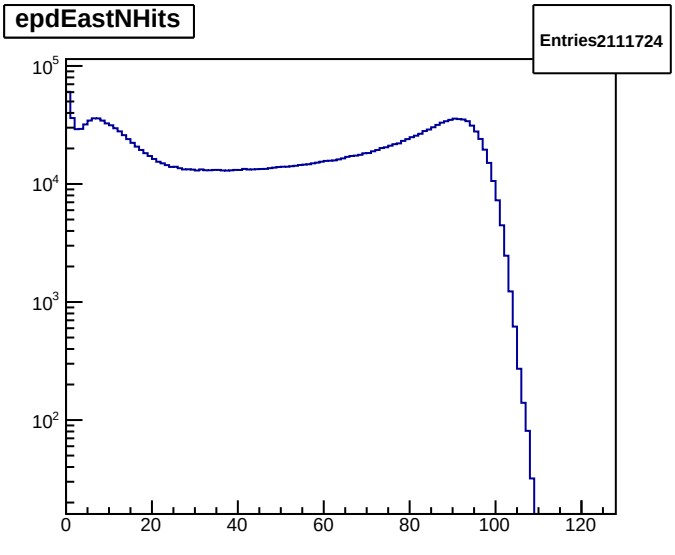
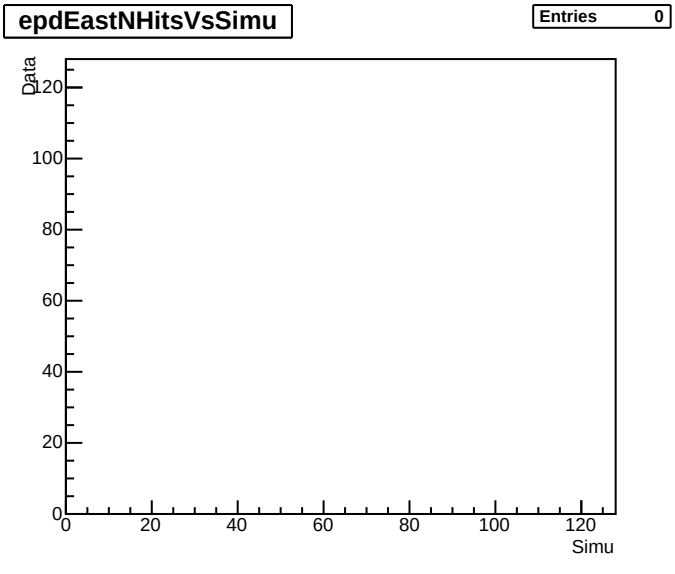
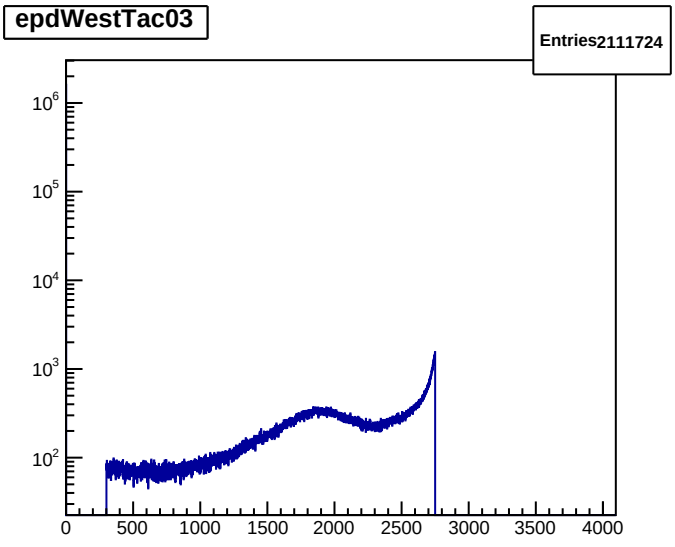
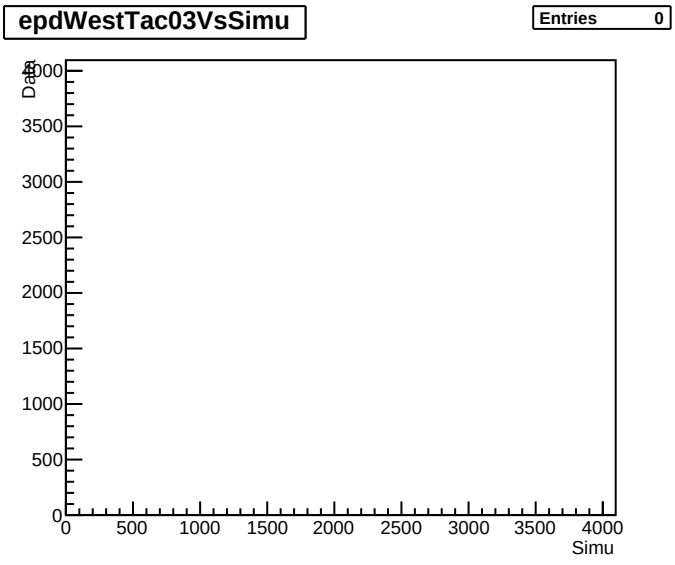

epdEastTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastNHits
Entries2111724
10^5
10^4
10^3
10^2
0 20 40 60 80 100 120


epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu


epdWestTac03
Entries2111724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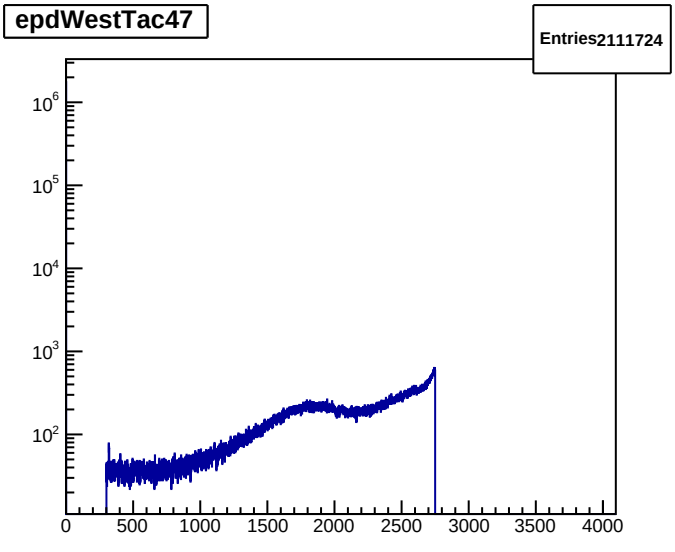
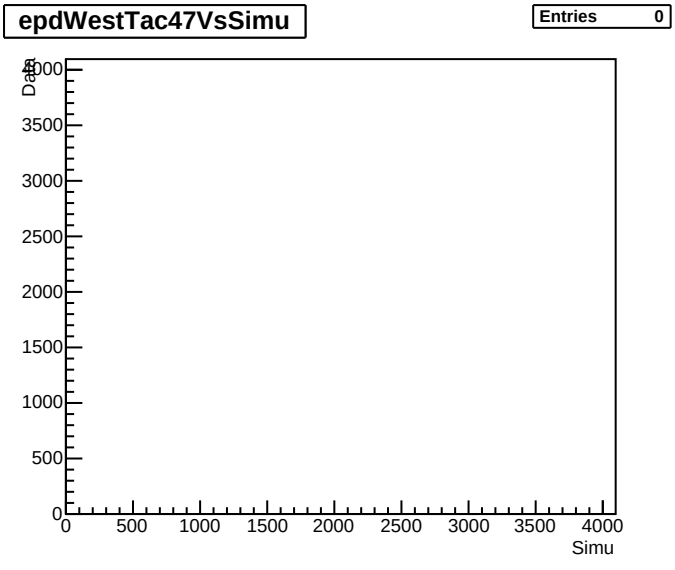
Entries 0
Data
Simu


epdWestTac47
Entries2111724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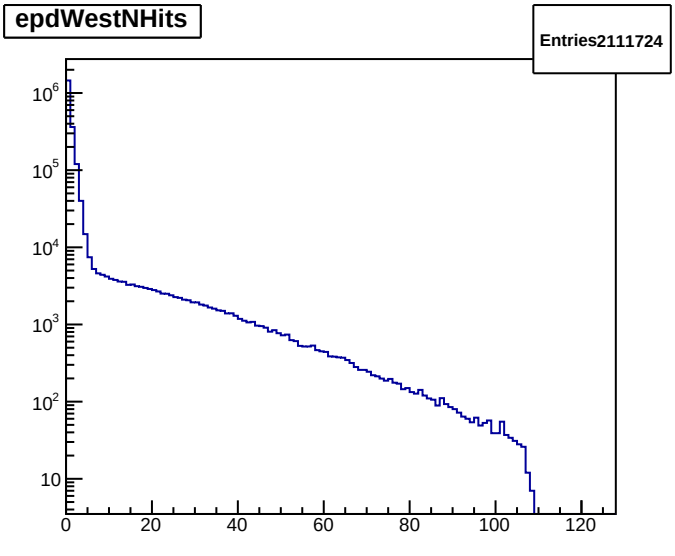
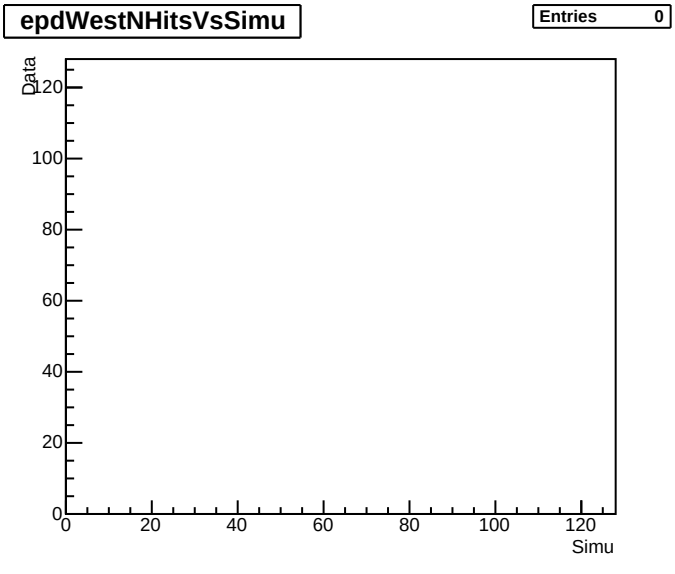
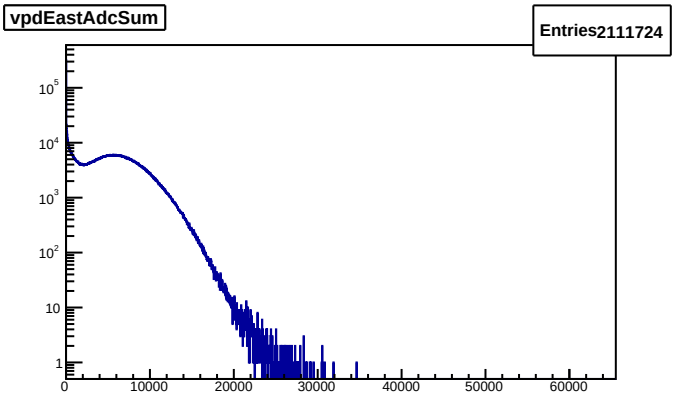
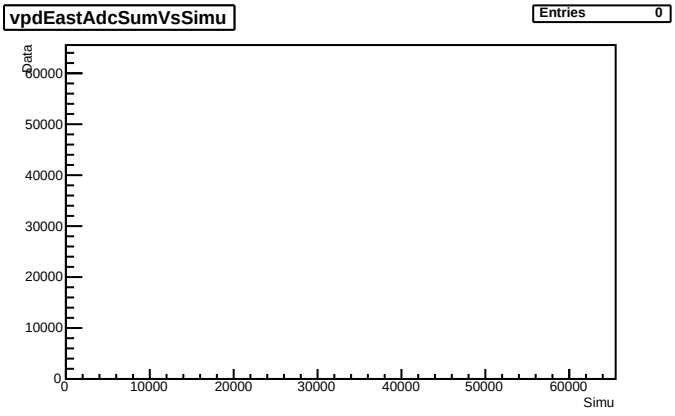
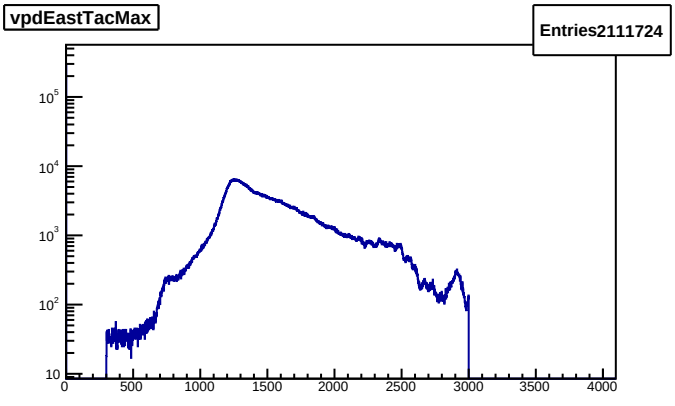
Entries 0
Data
Simu

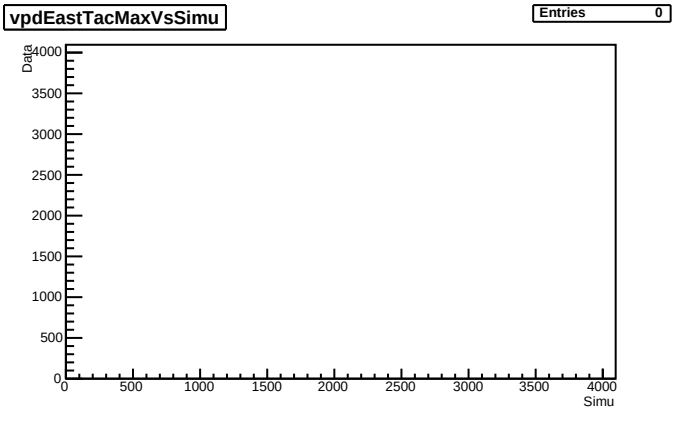

epdWestNHits
Entries2111724

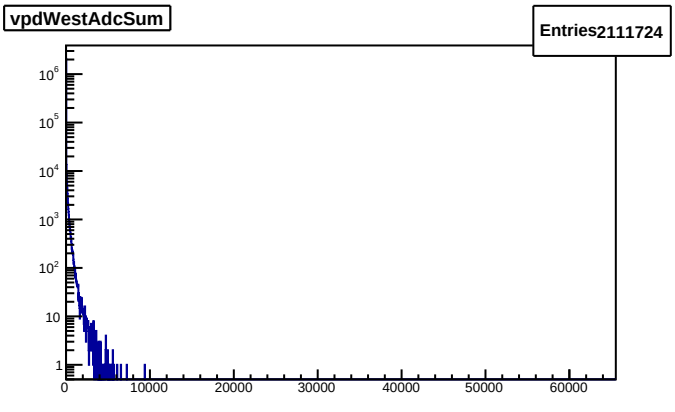

epdWestNHitsVsSimu
Entries 0
Data
Simu

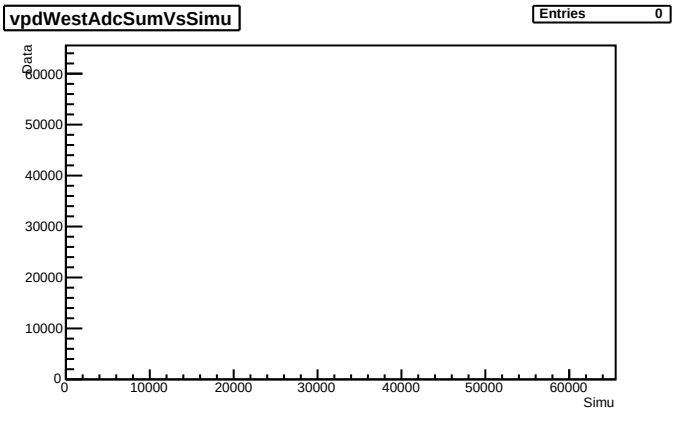

vpdEastAdcSum
Entries2111724

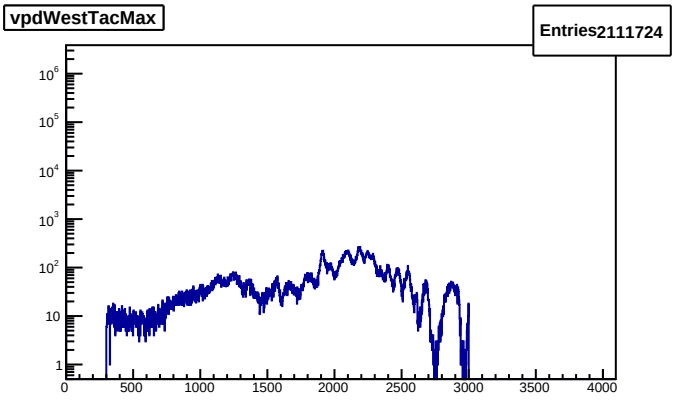

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

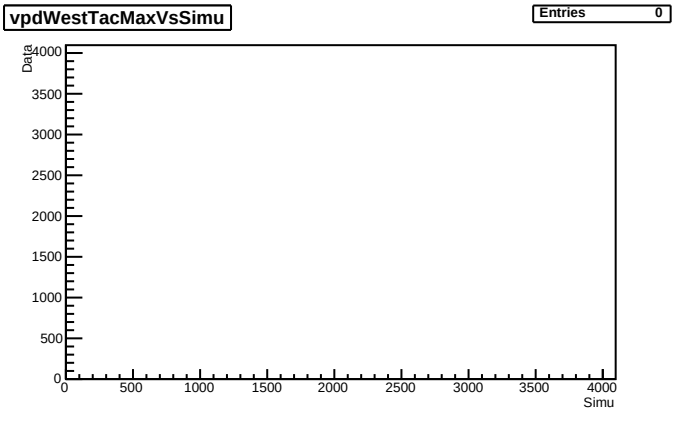

vpdEastTacMax
Entries2111724

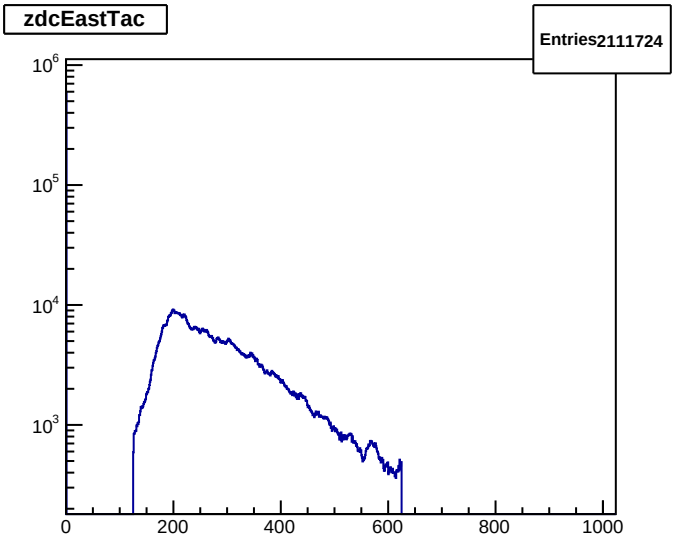

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

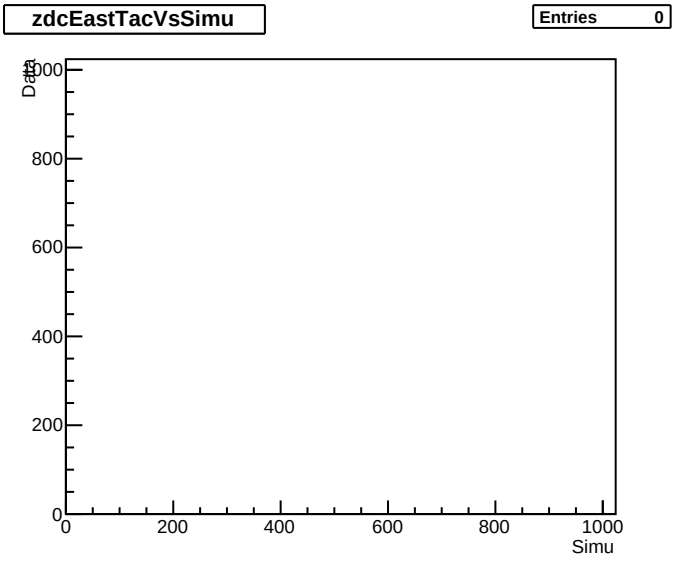

vpdWestAdcSum
Entries2111724

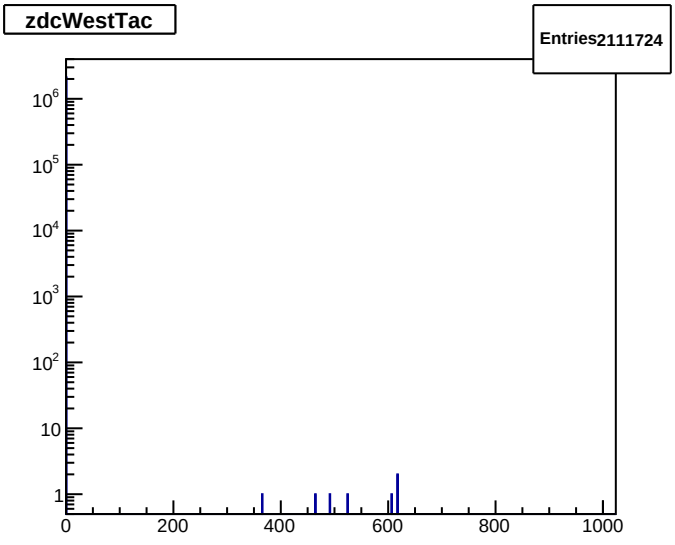

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

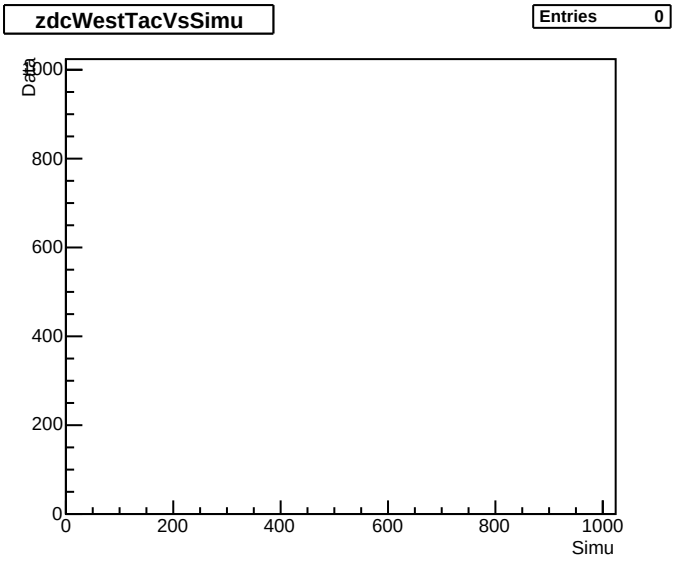

vpdWestTacMax
Entries2111724

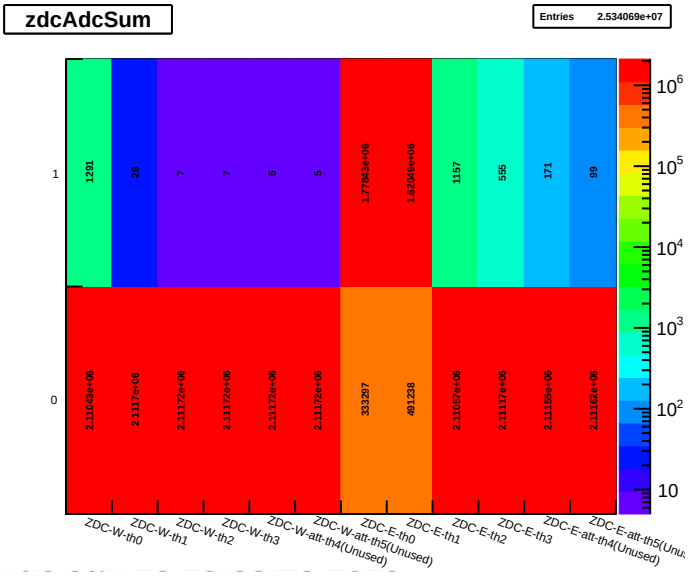

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

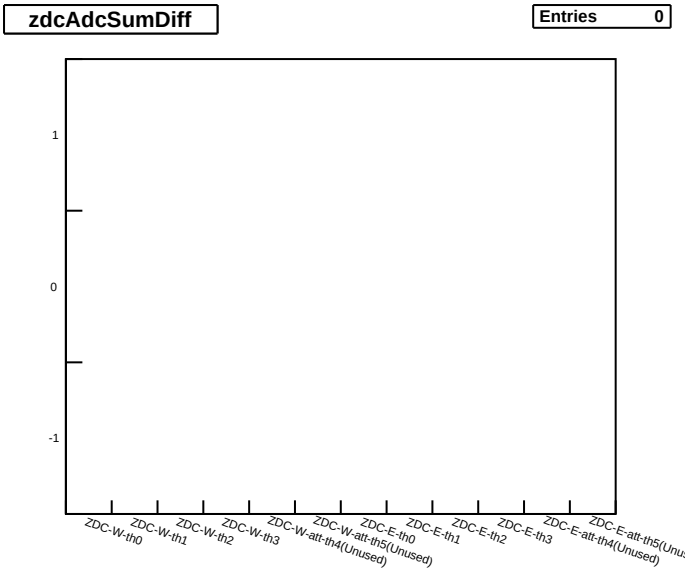

zdcEastTac
Entries2111724

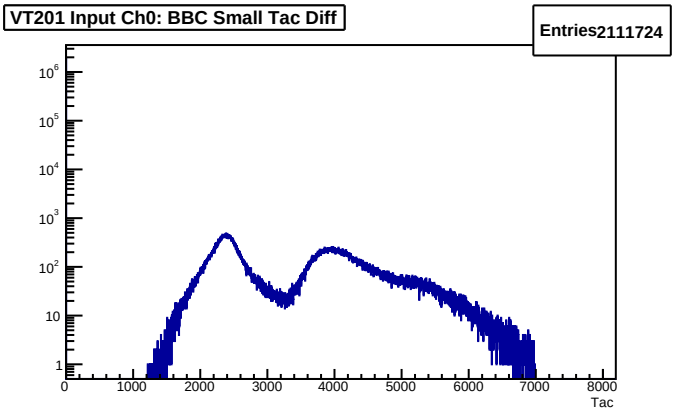

zdcEastTacVsSimu
Entries 0
Data
Simu

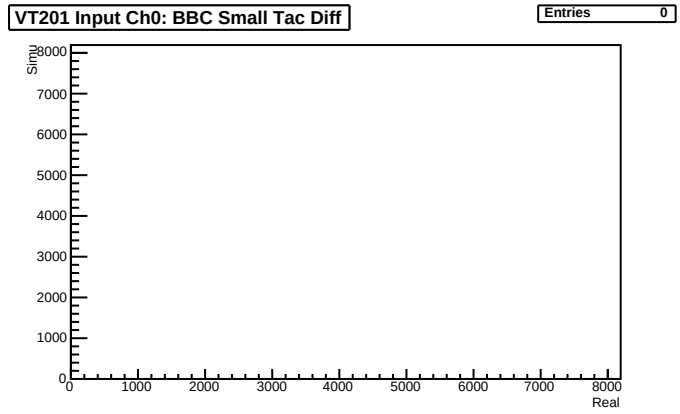

zdcWestTac
Entries2111724

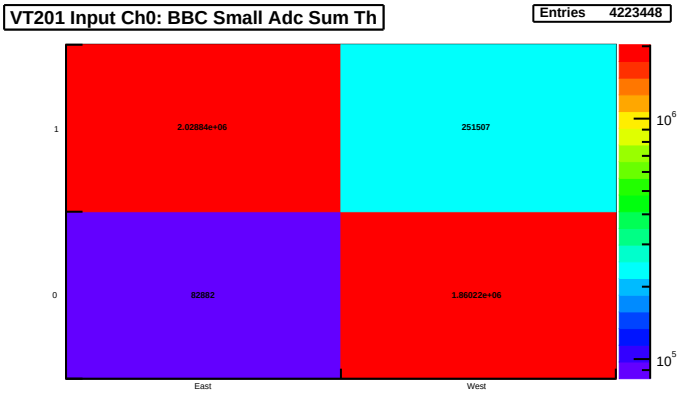

zdcWestTacVsSimu
Entries 0
Data
Simu

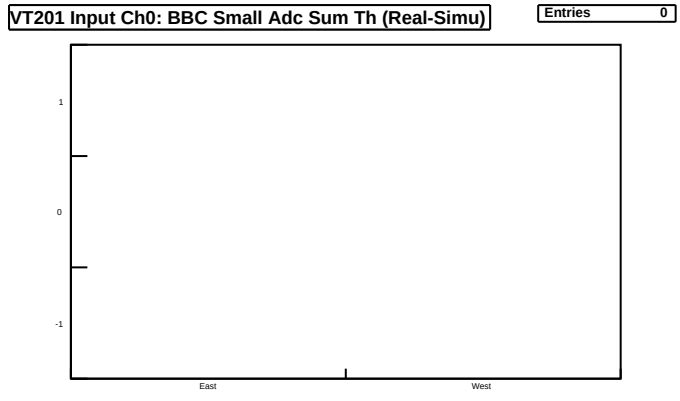

zdcAdcSum
Entries 2.534069e+07
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

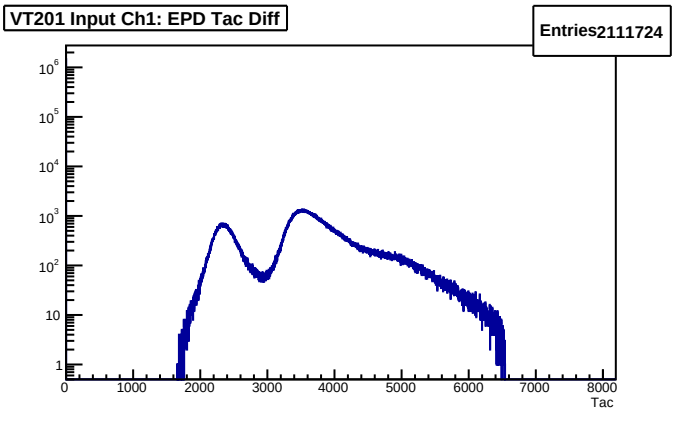

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

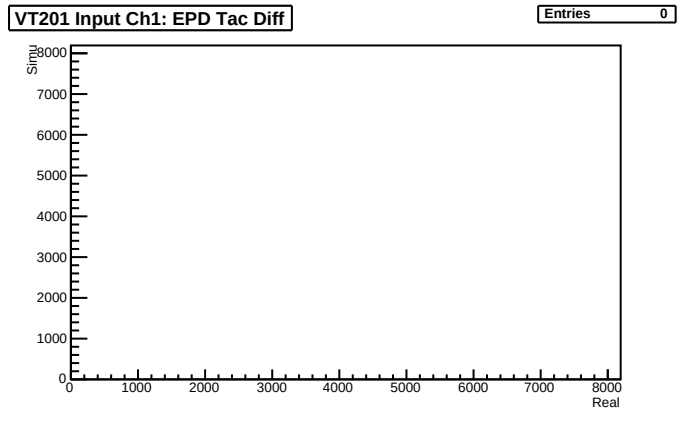

VT201 Input Ch0: BBC Small Tac Diff
Entries2111724
Tac

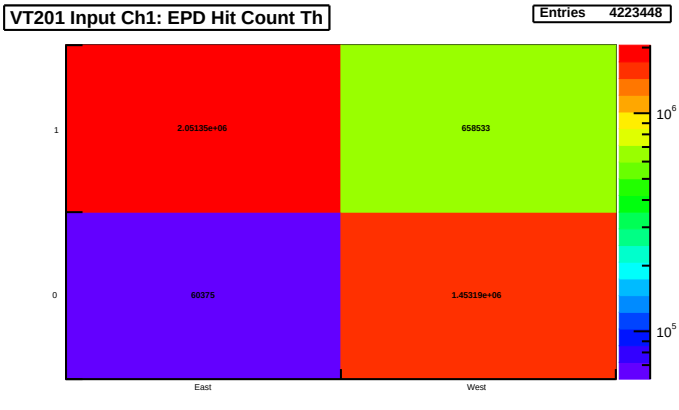

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

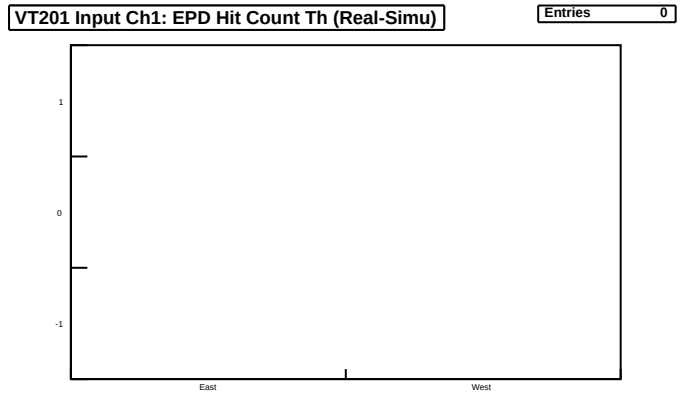

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 4223448
2.02884e+06
251507
82882
1.86022e+06
East
West

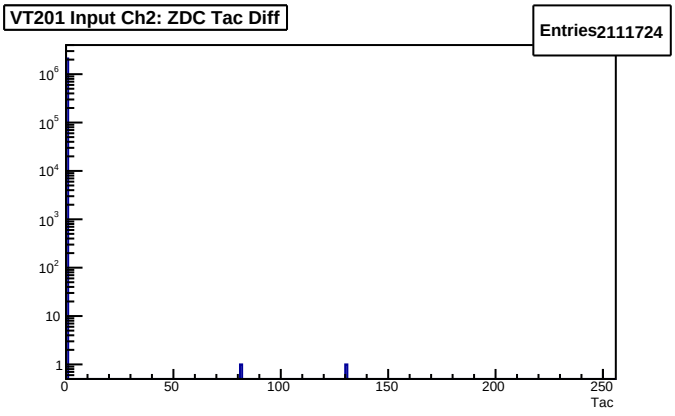

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

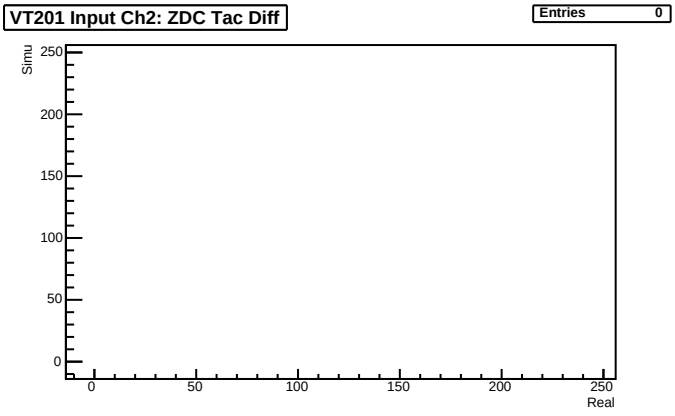

VT201 Input Ch1: EPD Tac Diff
Entries2111724
Tac

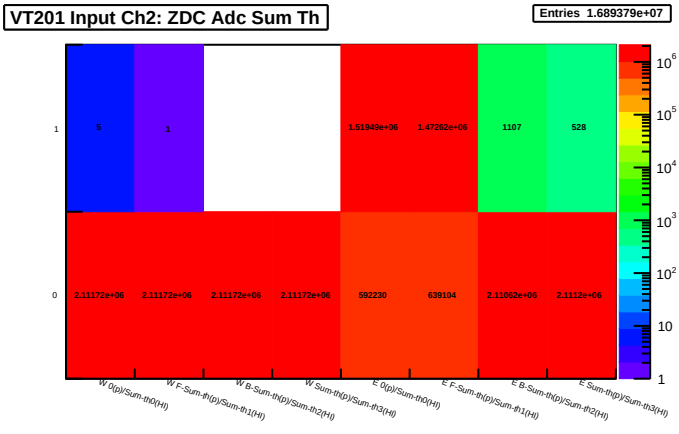

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

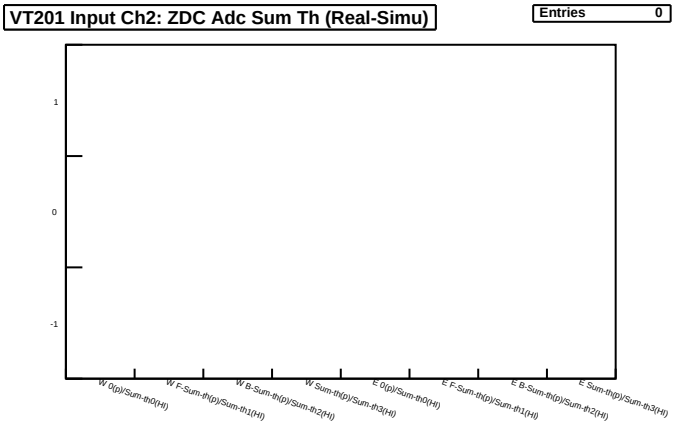

VT201 Input Ch1: EPD Hit Count Th
Entries 4223448
2.05135e+06
658533
60375
1.45319e+06
East
West

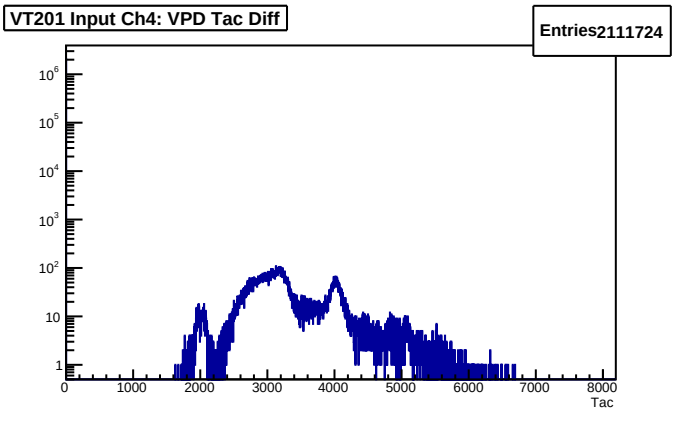

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

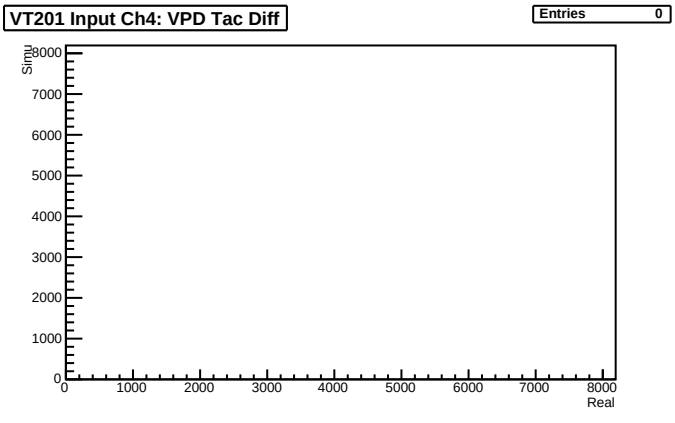

VT201 Input Ch2: ZDC Tac Diff
Entries2111724
Tac

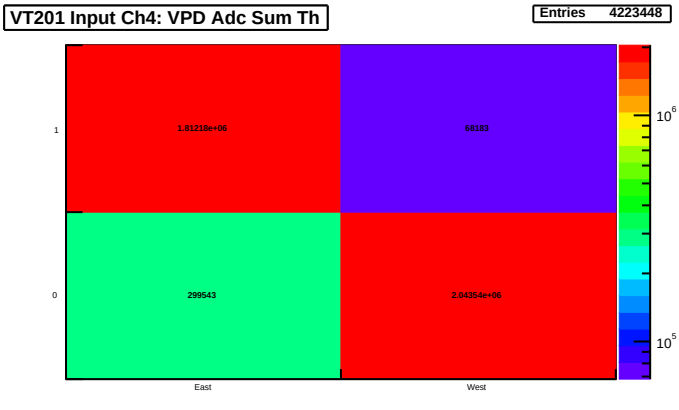

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

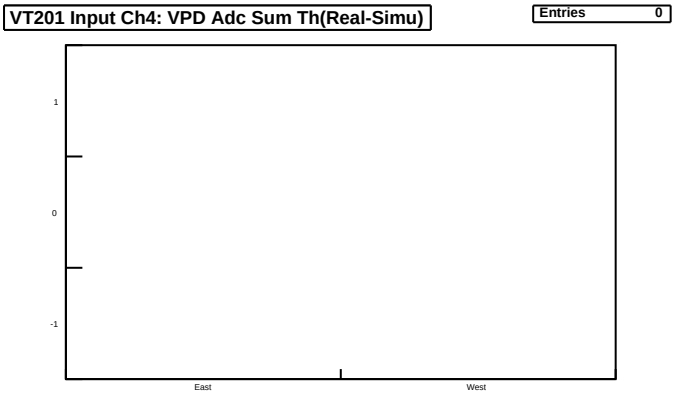

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1.689379e+07
5
1
1.51949e+06
1.47262e+06
1107
528
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
592230
639104
2.11062e+06
2.1112e+06
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

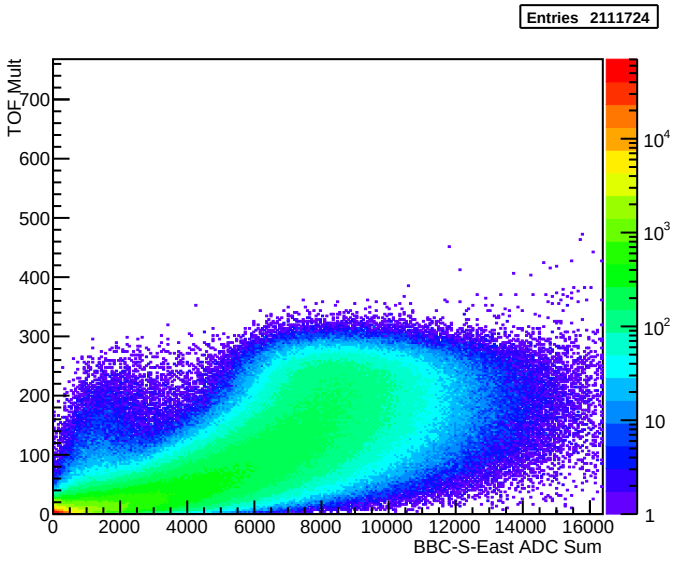

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

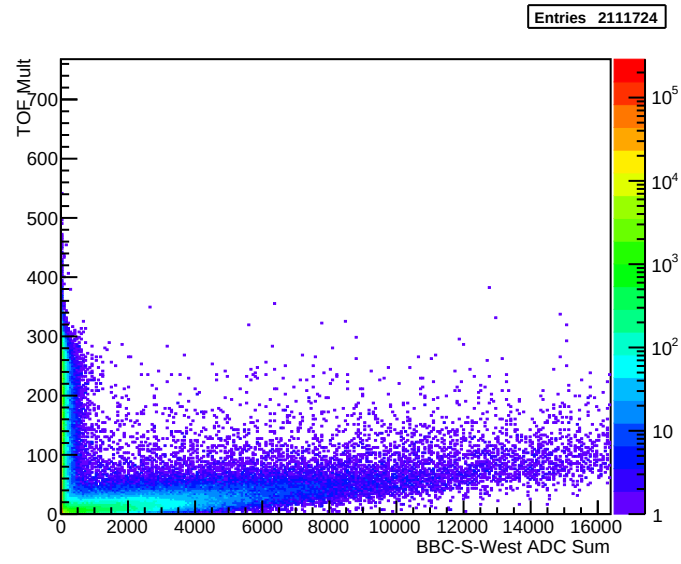

VT201 Input Ch4: VPD Tac Diff
Entries2111724
Tac

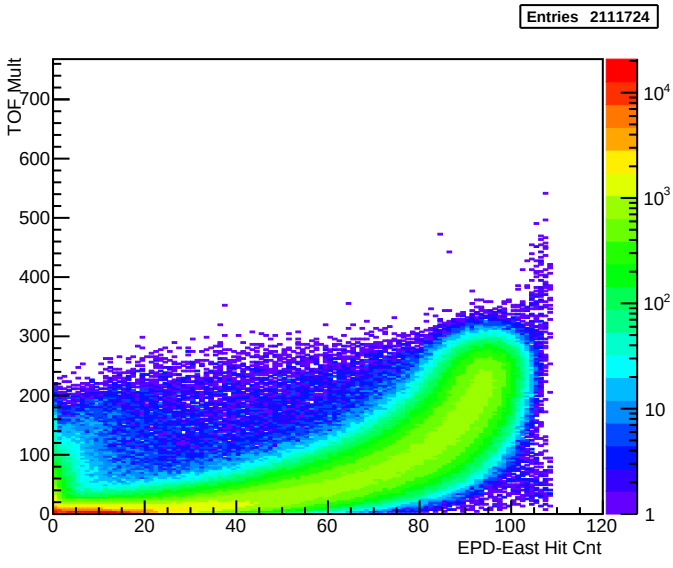

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

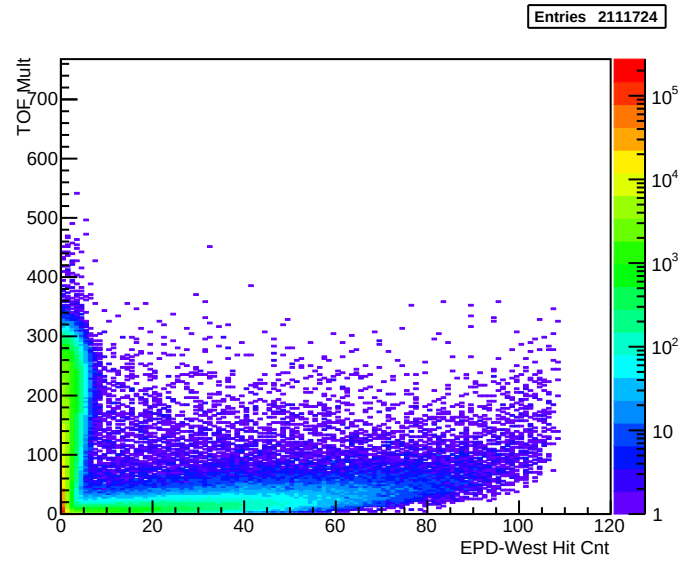

VT201 Input Ch4: VPD Adc Sum Th
Entries 4223448
1.81218e+06
68183
299543
2.04354e+06
East
West

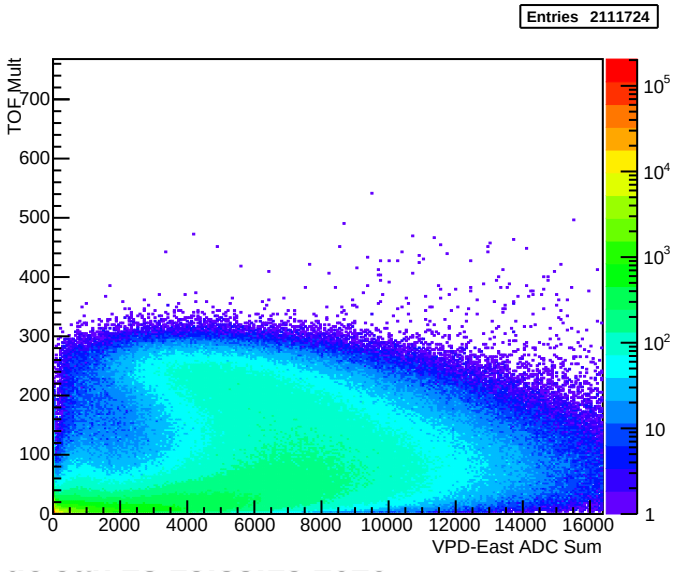

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

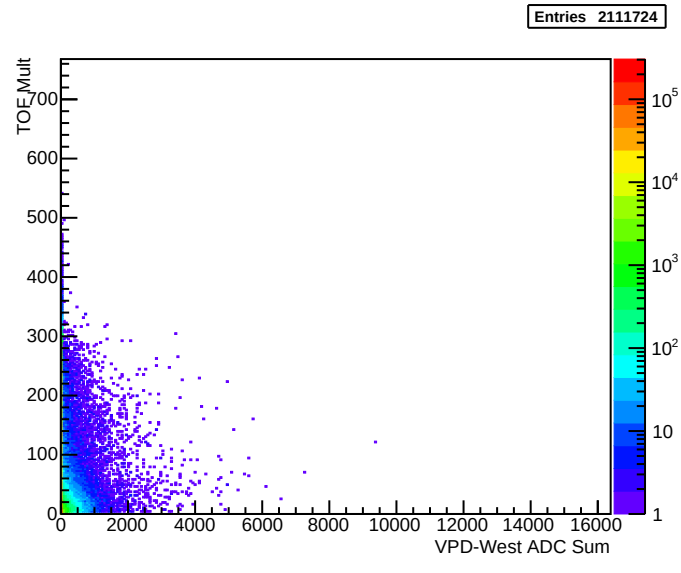

Entries 2111724
TOF_Mult
BBC-S-East ADC Sum

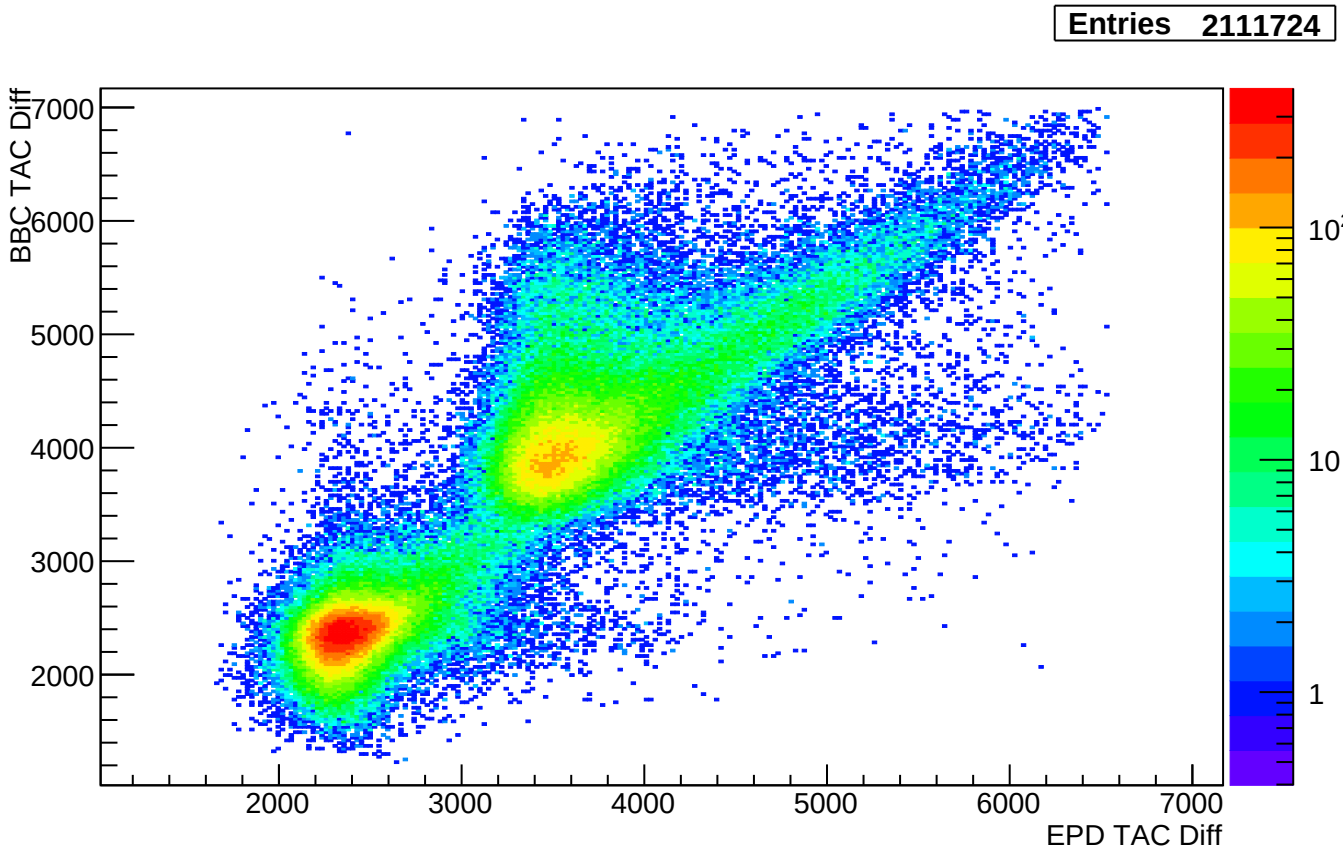

Entries 2111724
TOF_Mult
BBC-S-West ADC Sum

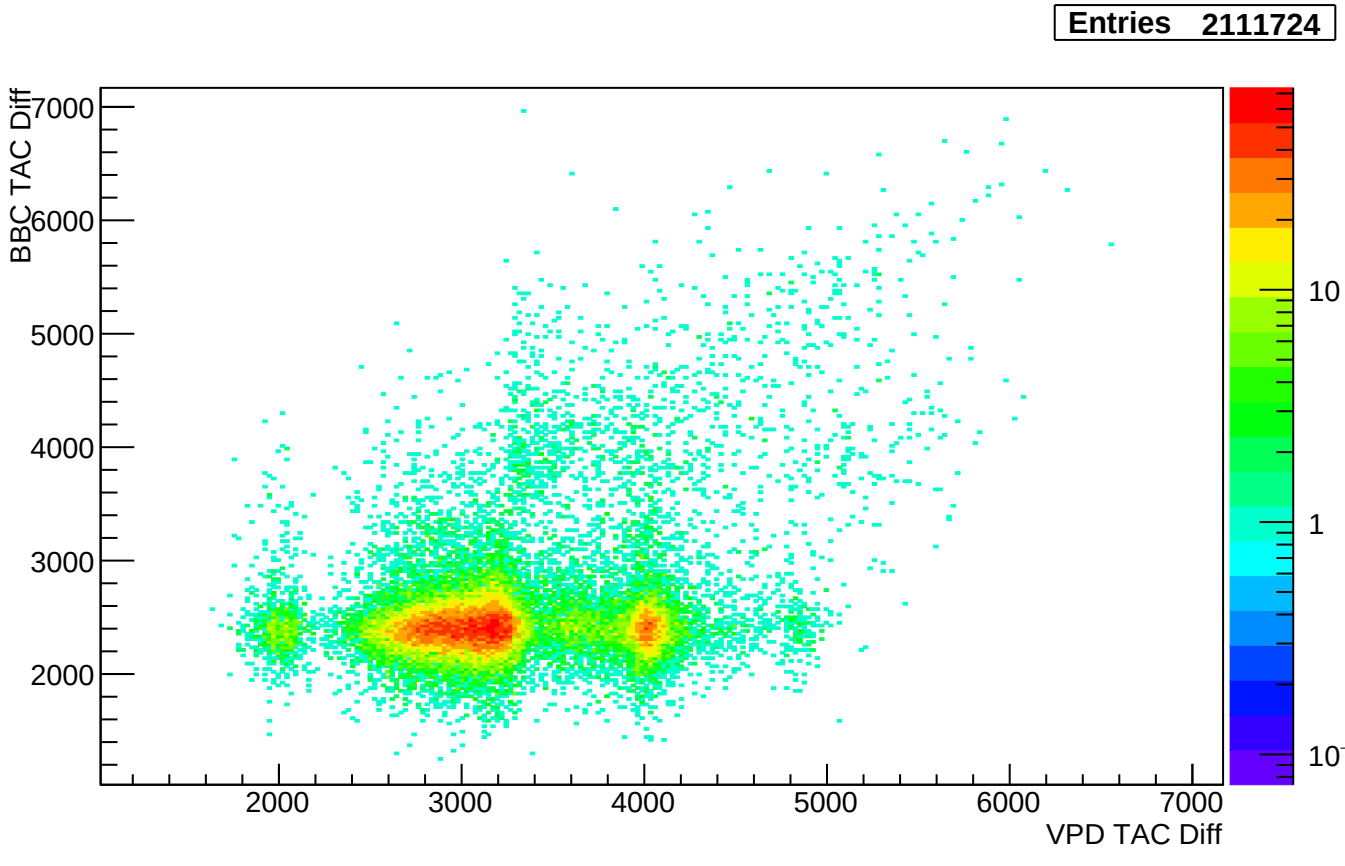

Entries 2111724
TOF_Mult
EPD-East Hit Cnt

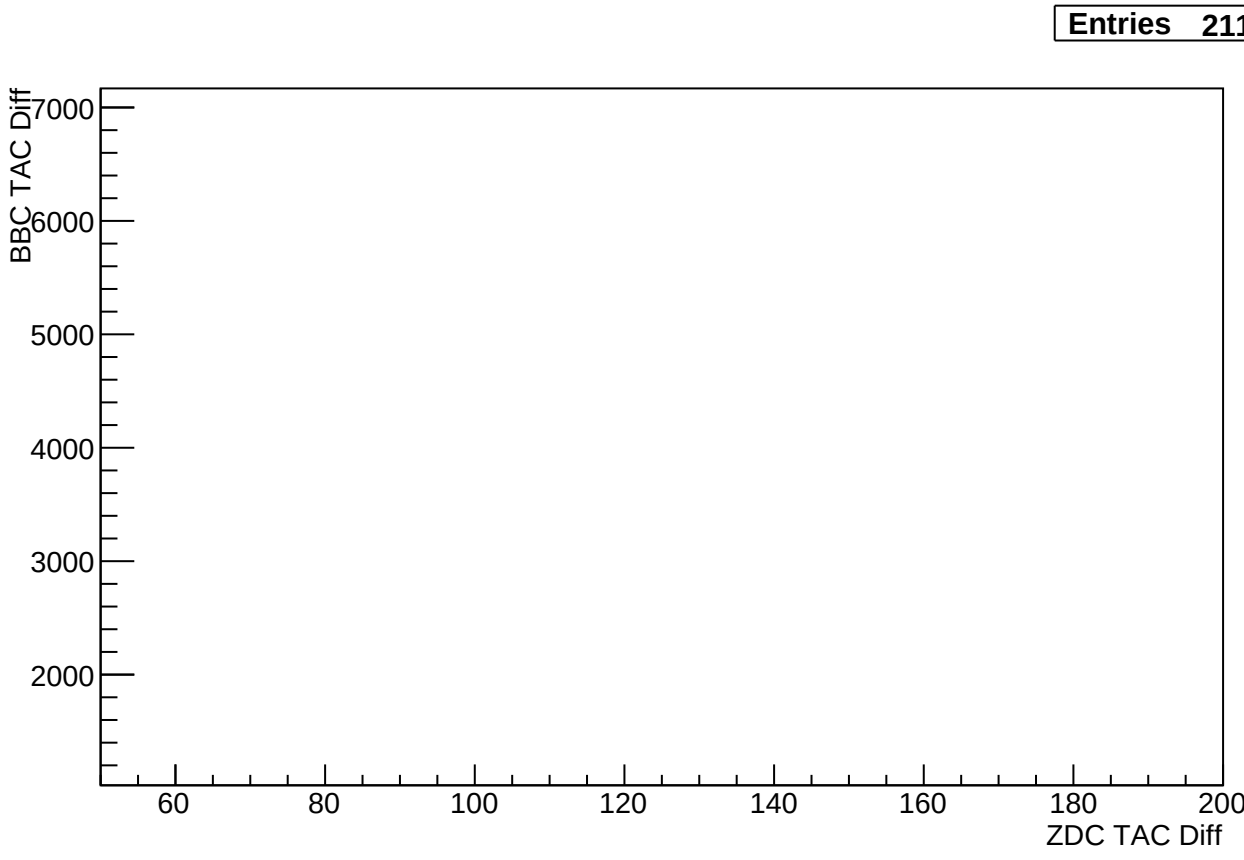

Entries 2111724
TOF_Mult
EPD-West Hit Cnt

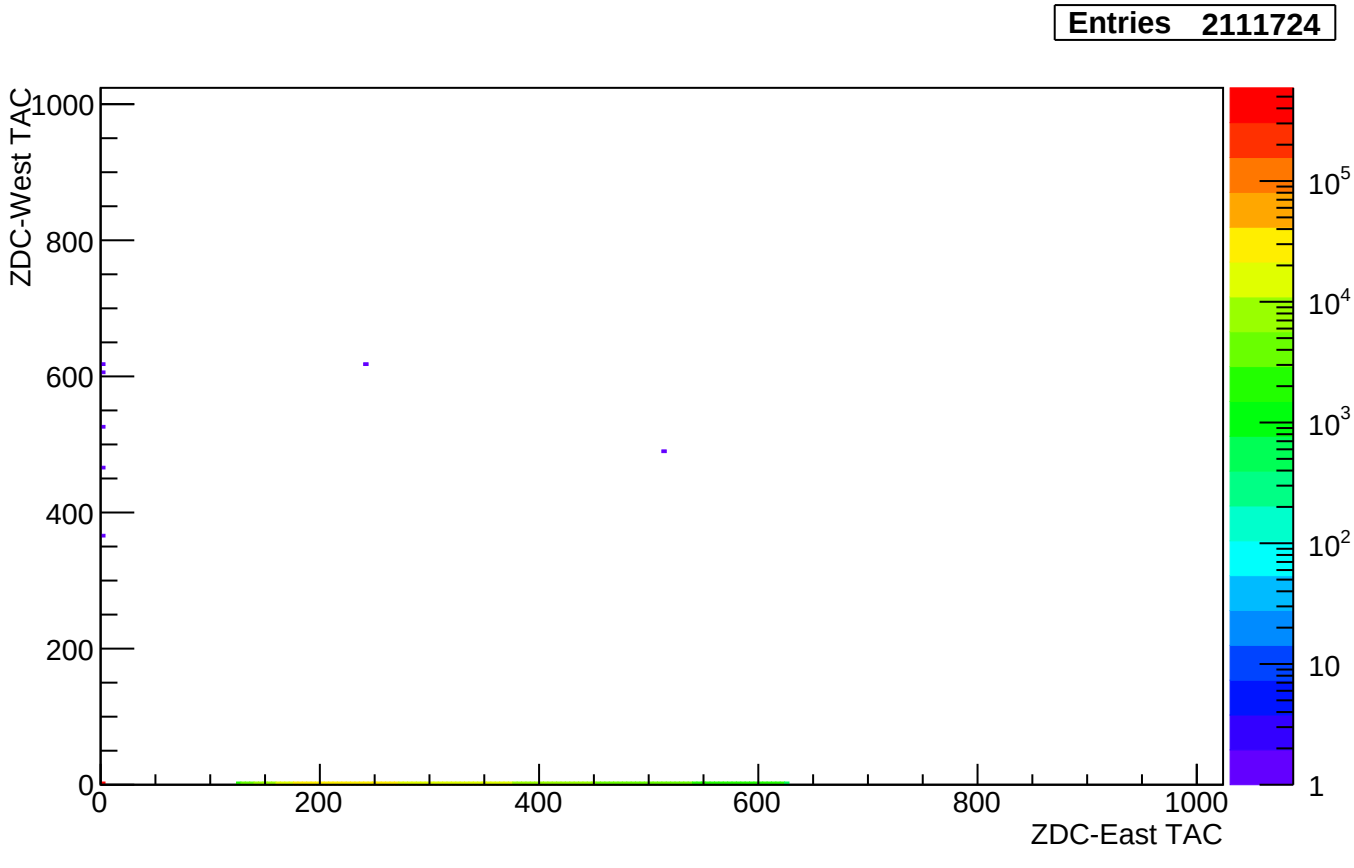

Entries 2111724
TOF_Mult
VPD-East ADC Sum

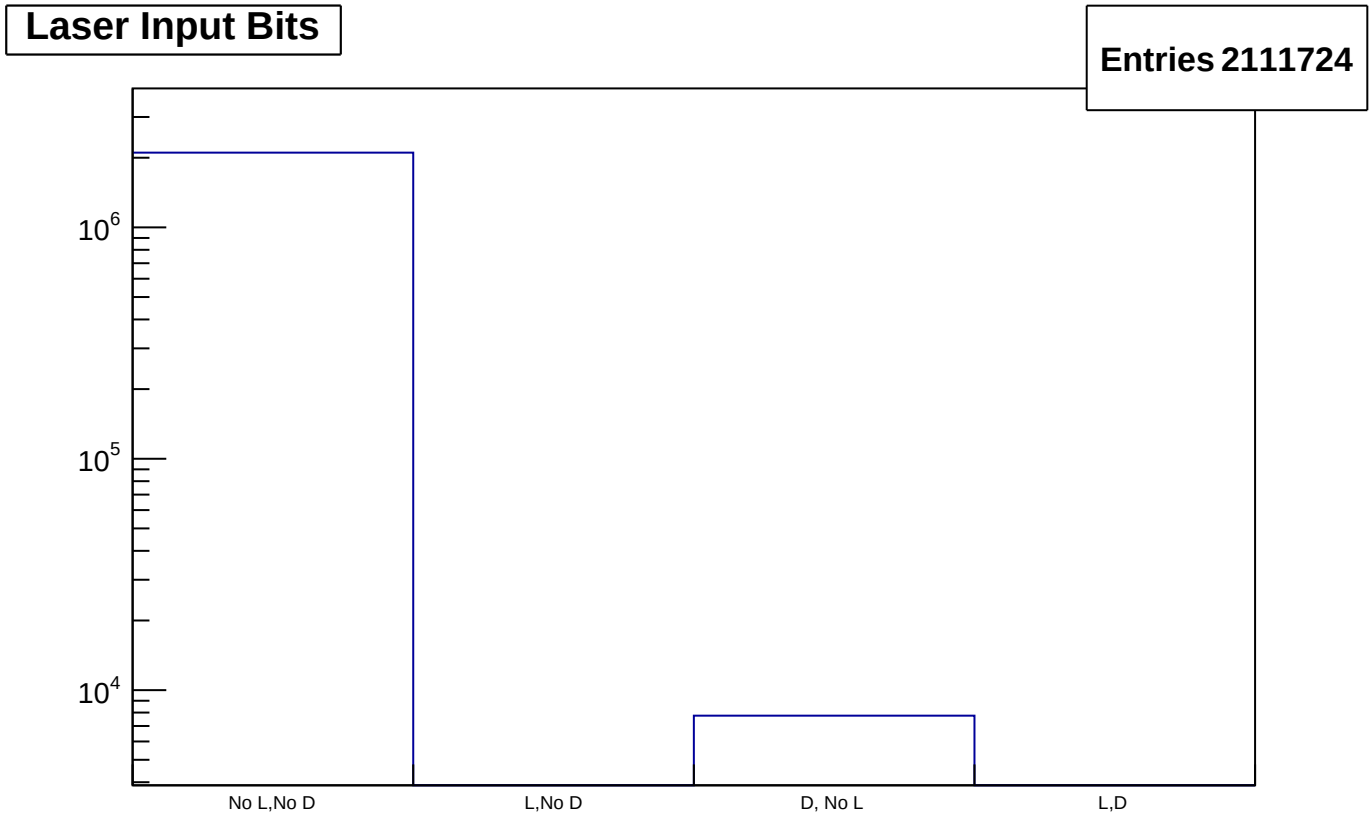

Entries 2111724
TOF_Mult
VPD-West ADC Sum

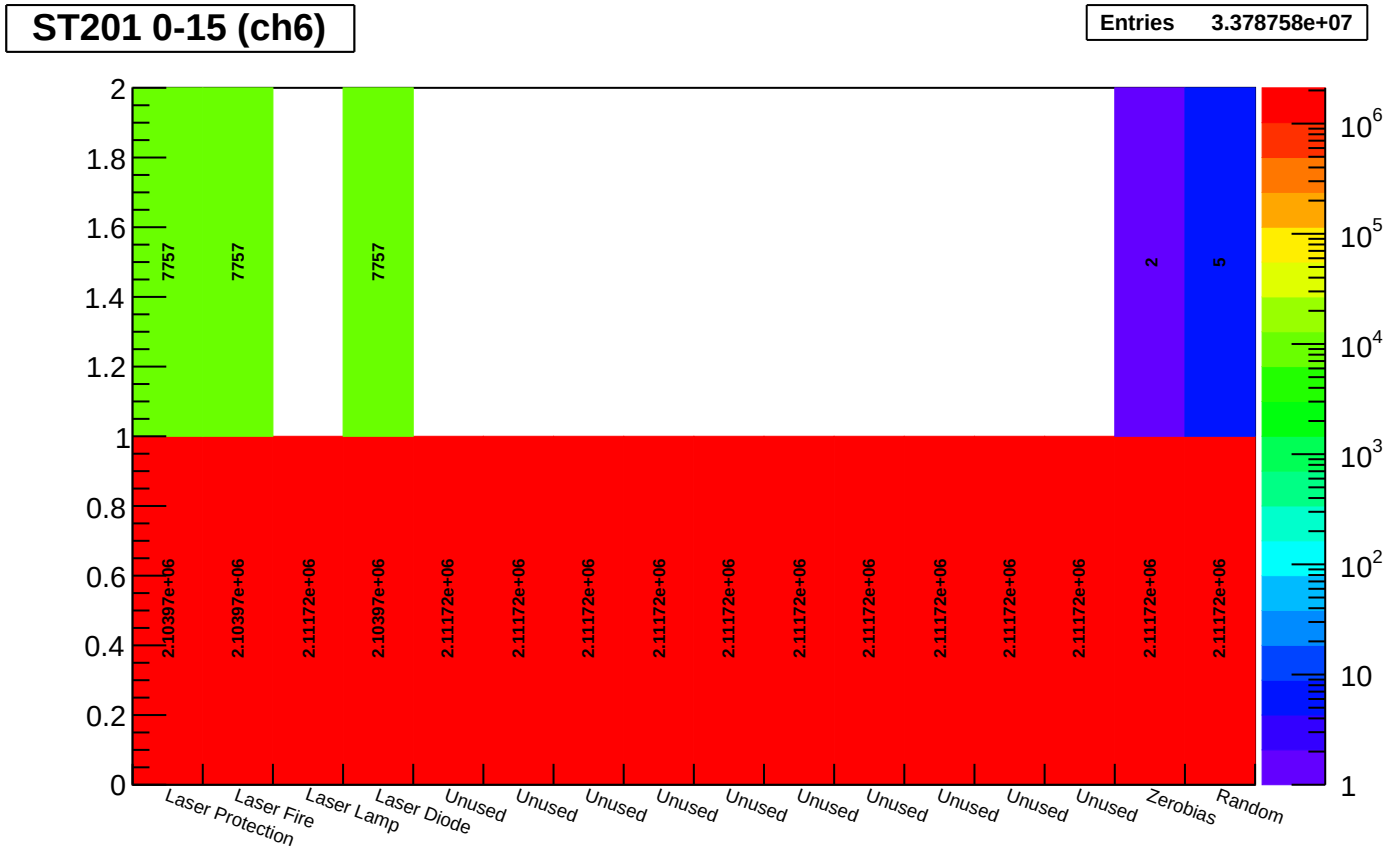

Entries 2111724
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

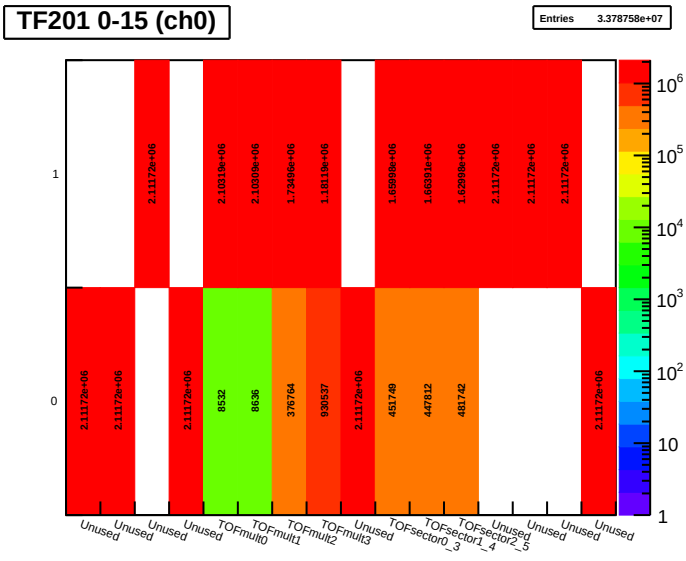

Entries 2111724
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10
1
10^{-1}

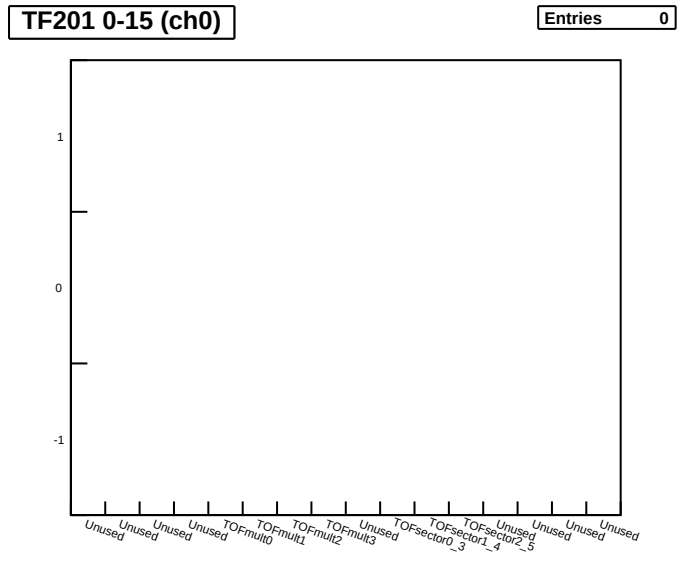

Entries 2111724
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff

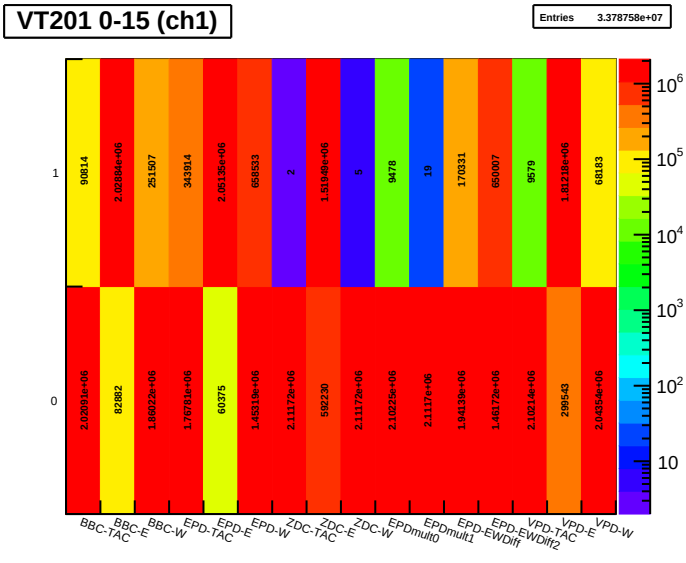

Entries 2111724
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

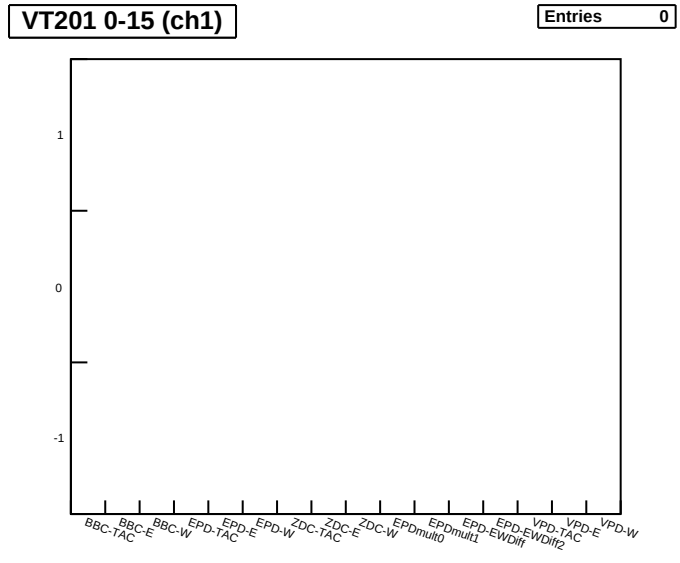

Laser Input Bits
Entries 2111724
10^6
10^5
10^4
No L,No D
L,No D
D, No L
L,D

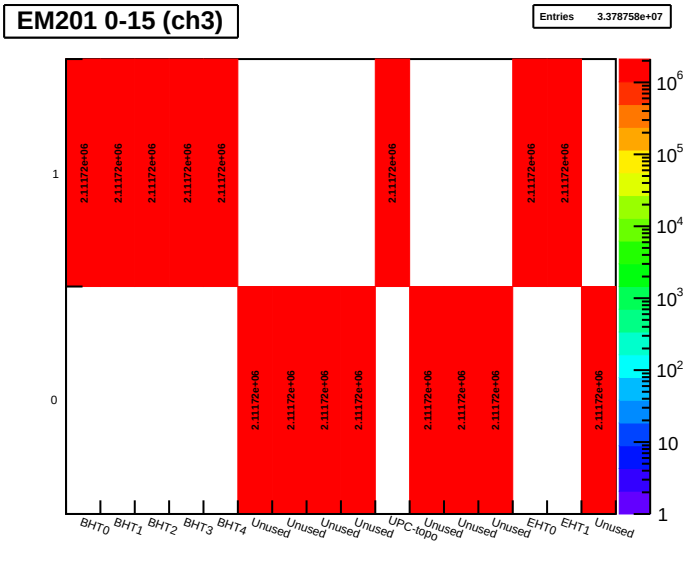

ST201 0-15 (ch6)
Entries 3.378758e+07
7757
7757
7757
2
5
2.10397e+06
2.10397e+06
2.11172e+06
2.10397e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

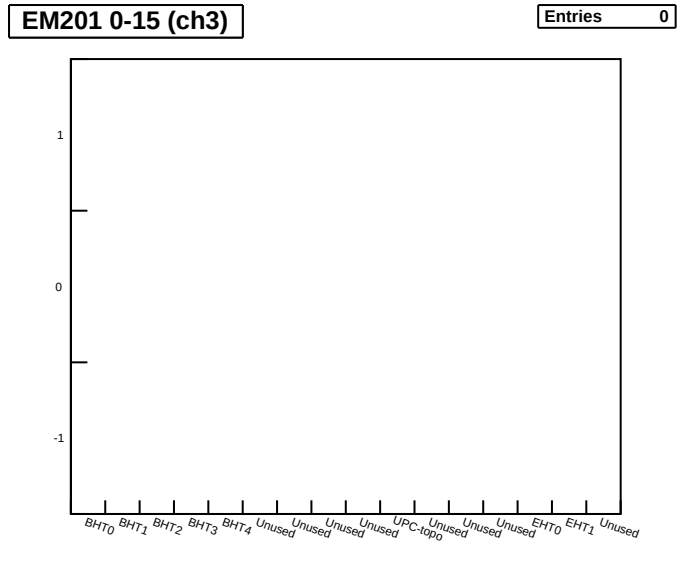

TF201 0-15 (ch0)
Entries 3.378758e+07
1
0
2.11172e+06
2.10318e+06
2.10309e+06
1.73496e+06
1.18119e+06
1.65998e+06
1.66391e+06
1.62998e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
8532
8636
376764
930537
2.11172e+06
451749
447812
481742
2.11172e+06
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
1
10
10^2
10^3
10^4
10^5
10^6


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
Unused


VT201 0-15 (ch1)
Entries 3.378758e+07
1
0
90814
2.02884e+06
251507
343914
2.05135e+06
658533
2
1.51949e+06
5
9478
19
170331
650007
9579
1.81218e+06
68183
2.02091e+06
82882
1.86022e+06
1.76781e+06
60375
1.45319e+06
2.11172e+06
592230
2.11172e+06
2.10225e+06
2.1117e+06
1.94139e+06
1.46172e+06
2.10214e+06
299543
2.04354e+06
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W
1
10
10^2
10^3
10^4
10^5
10^6


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 3.378758e+07
1
0
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
2.11172e+06
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
1
10
10^2
10^3
10^4
10^5
10^6


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