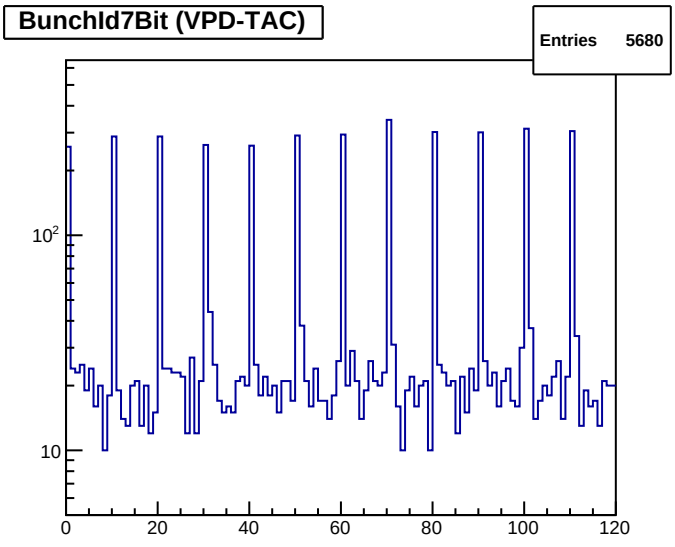
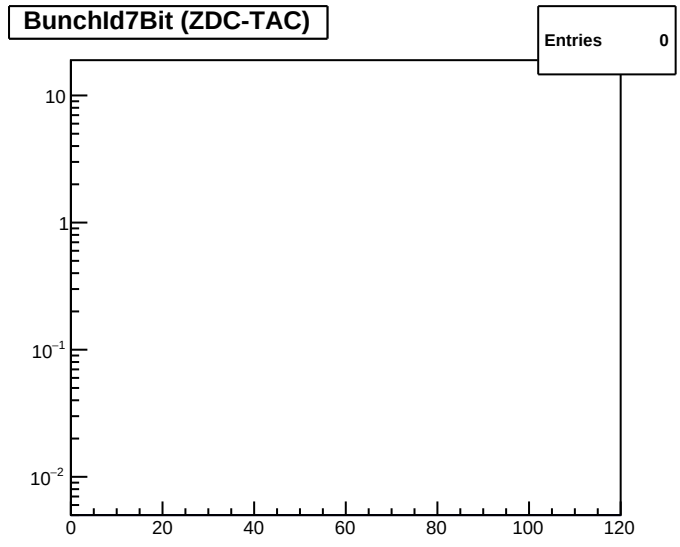
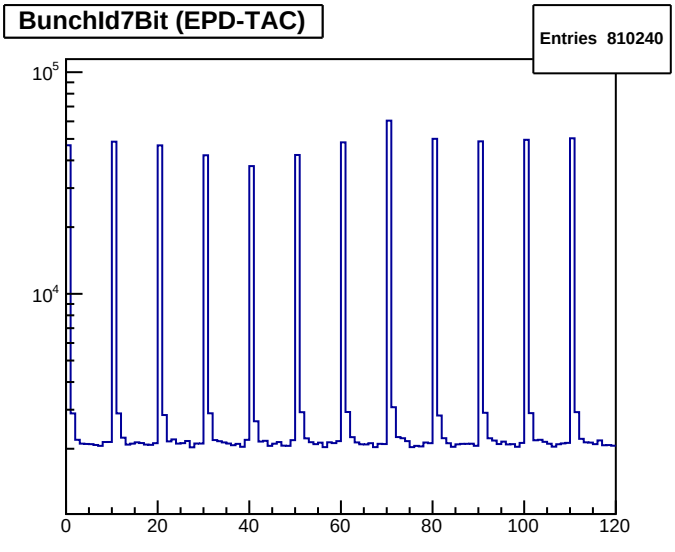
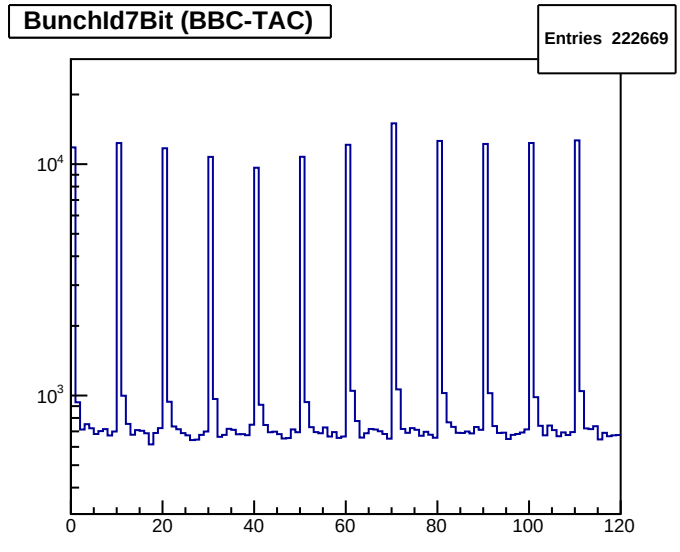
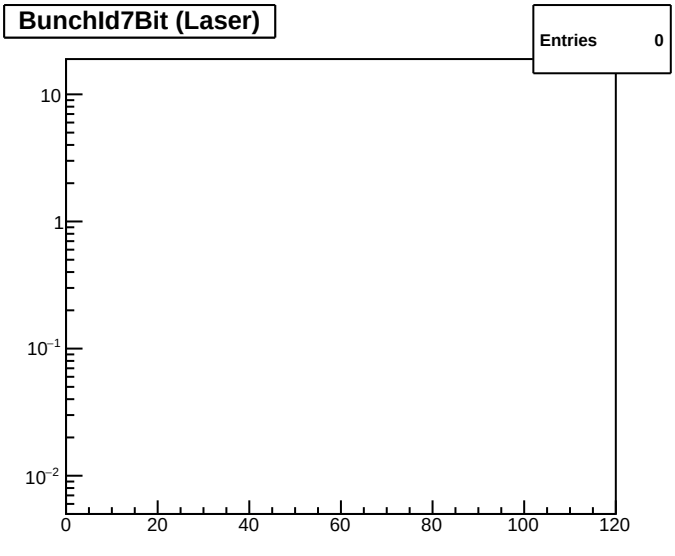
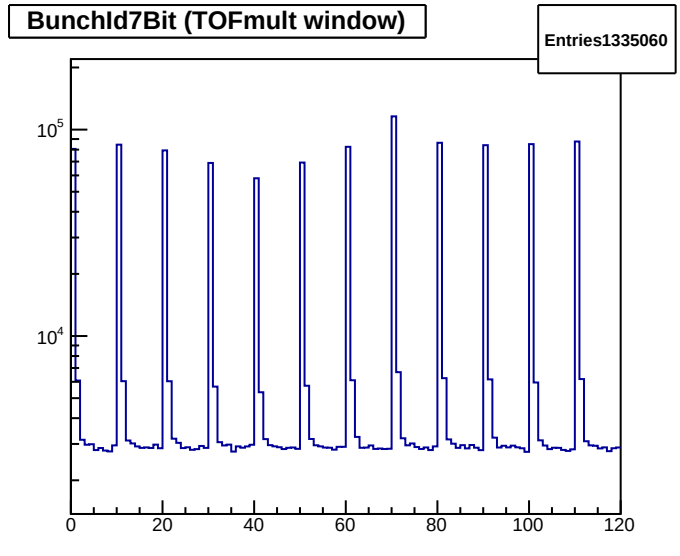

BunchId7Bit (VPD-TAC)
Entries 5680
10^2
10
0 20 40 60 80 100 120

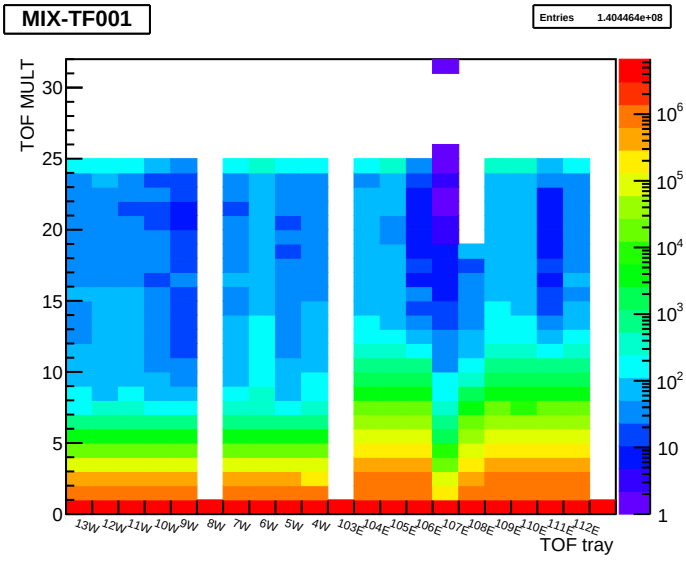

BunchId7Bit (ZDC-TAC)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

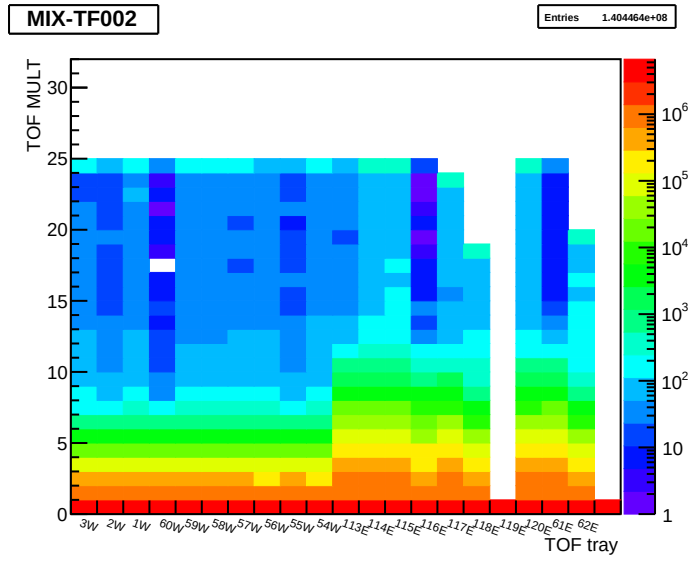

BunchId7Bit (EPD-TAC)
Entries 810240
10^5
10^4
0 20 40 60 80 100 120

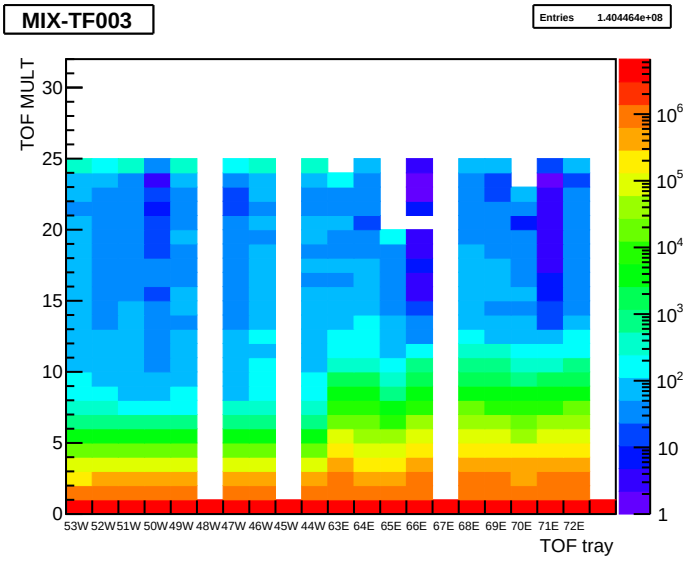

BunchId7Bit (BBC-TAC)
Entries 222669
10^4
10^3
0 20 40 60 80 100 120

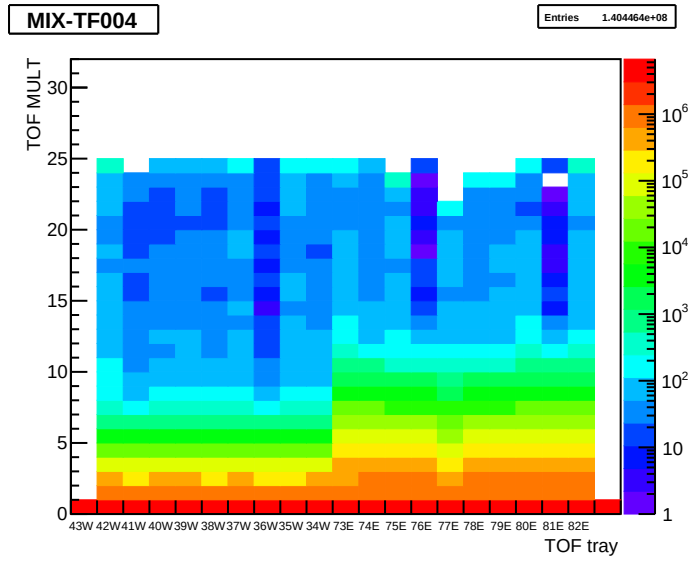

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

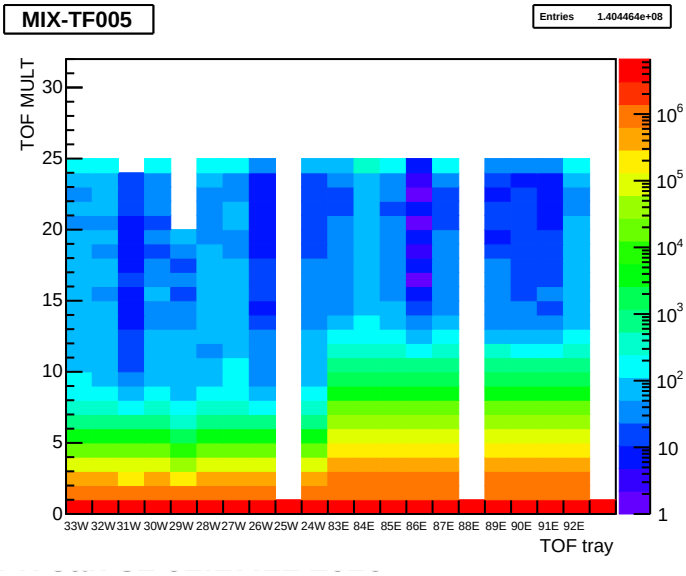

BunchId7Bit (TOFmult window)
Entries1335060
10^5
10^4
0 20 40 60 80 100 120

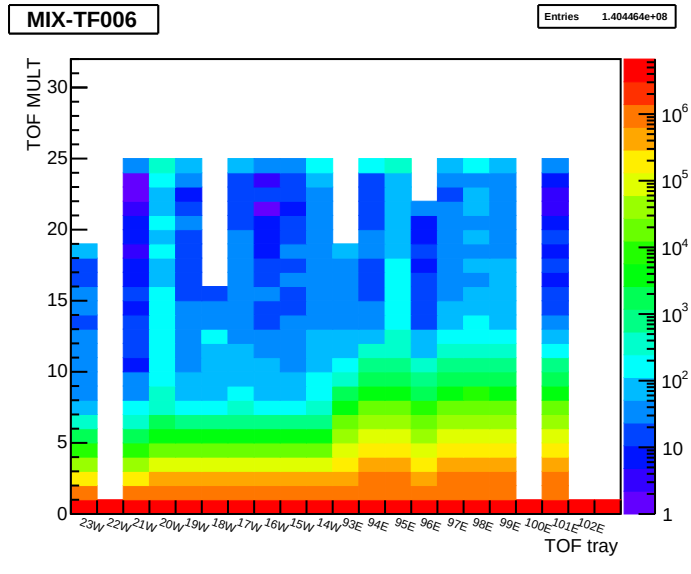

MIX-TF001
Entries 1.404464e+08
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

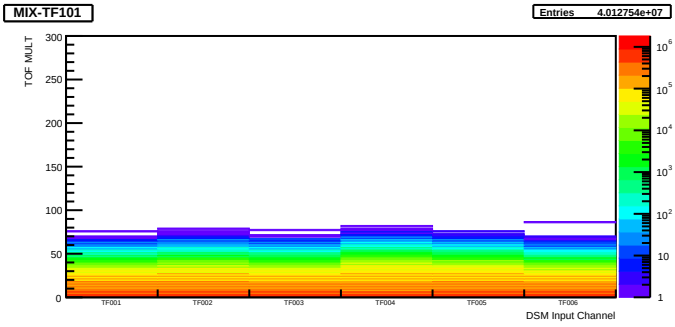

MIX-TF002
Entries 1.404464e+08
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

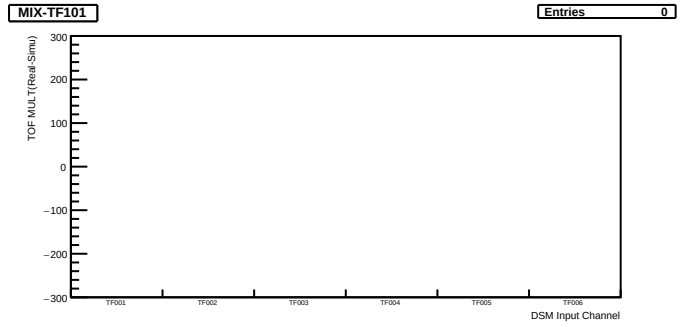

MIX-TF003
Entries 1.404464e+08
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

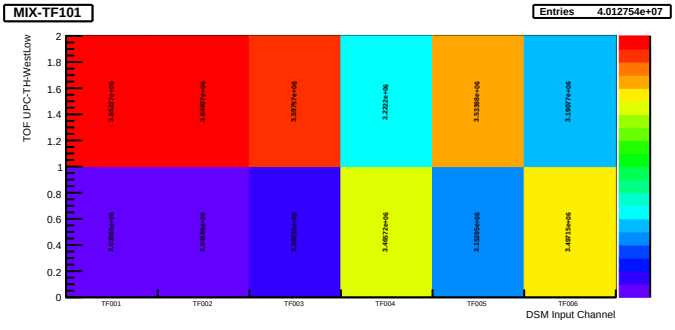

MIX-TF004
Entries 1.404464e+08
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

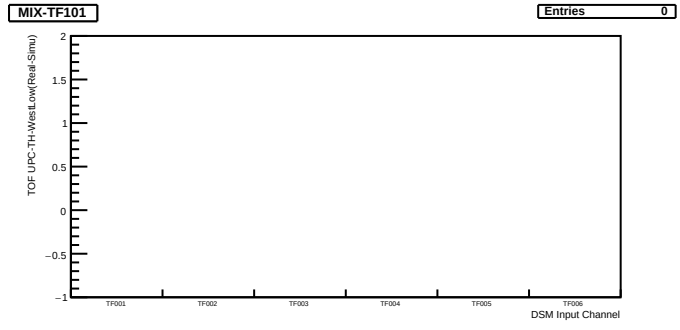

MIX-TF005
Entries 1.404464e+08
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

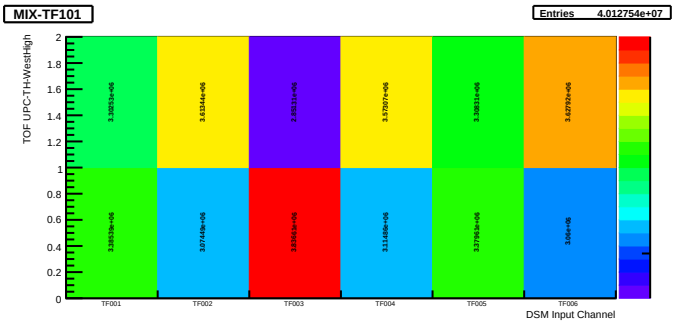

MIX-TF006
Entries 1.404464e+08
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

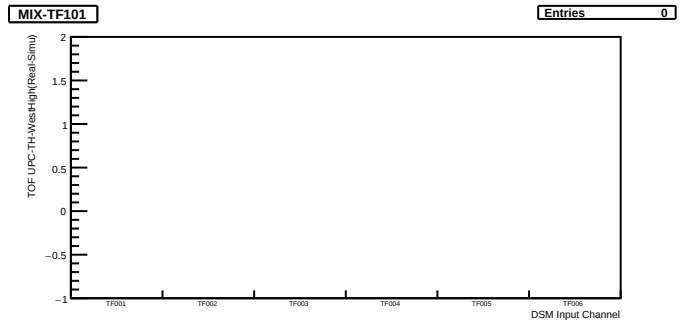

MIX-TF101
Entries 4.012754e+07
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

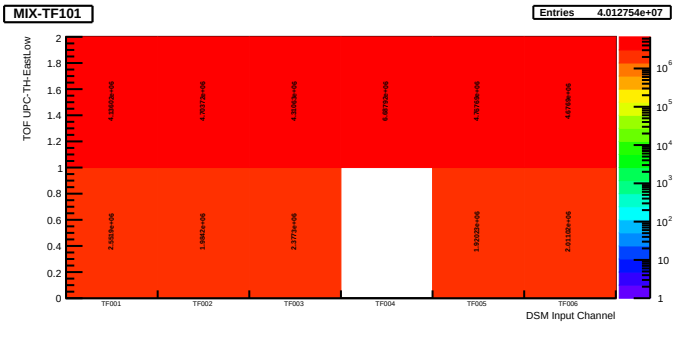

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

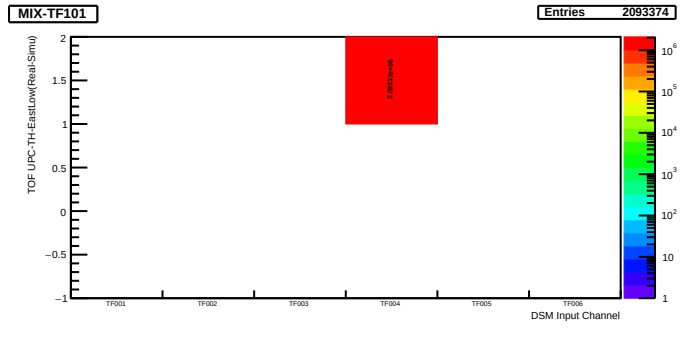

MIX-TF101
Entries 4.012754e+07
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

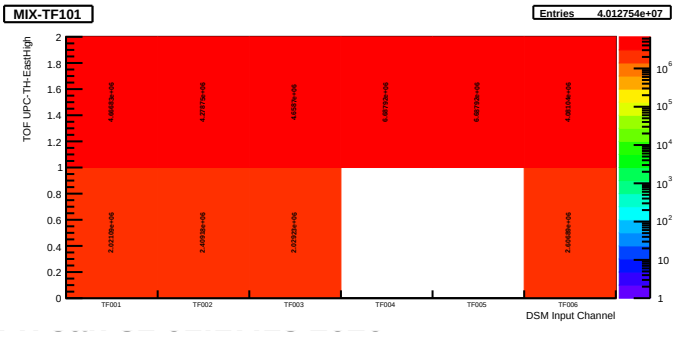

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

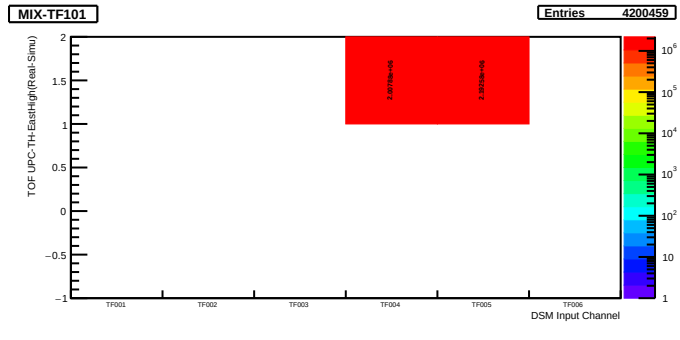

MIX-TF101
Entries 4.012754e+07
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

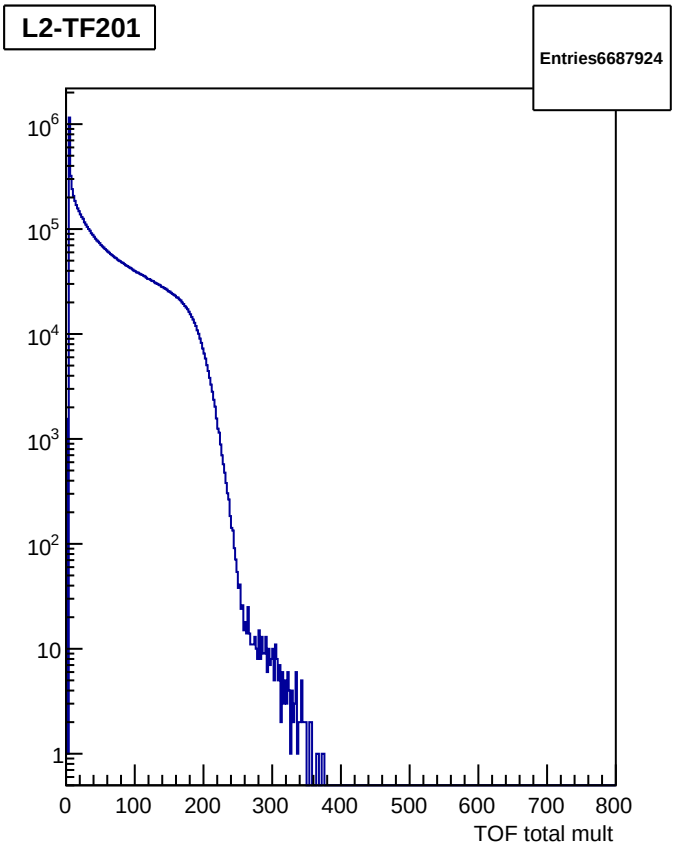

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

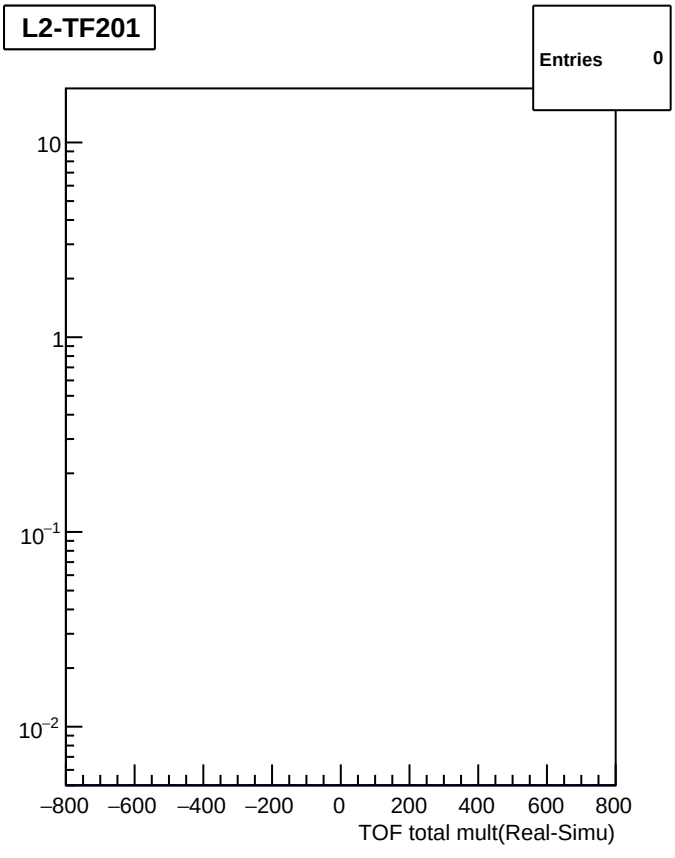

MIX-TF101
Entries 4.012754e+07
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

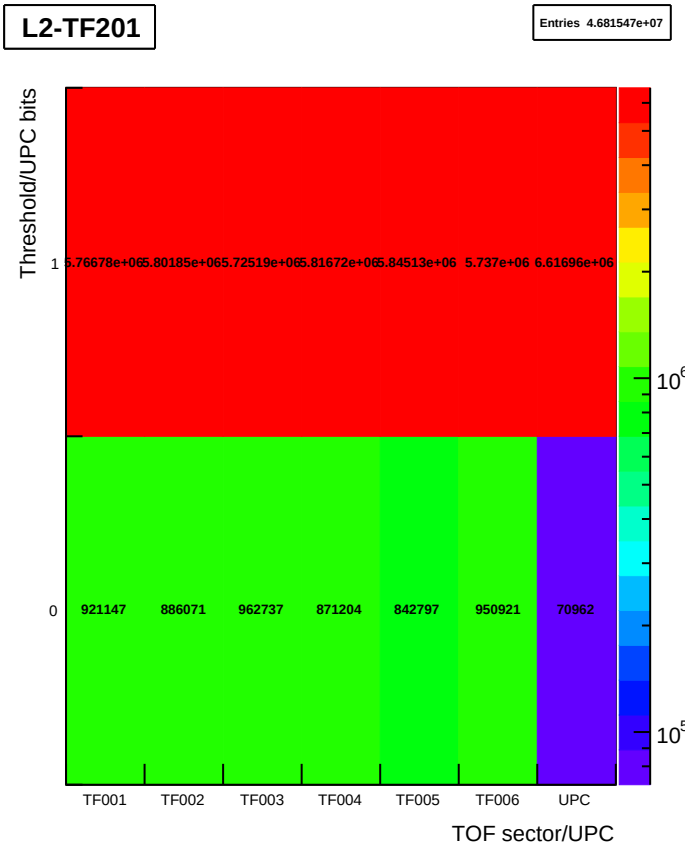

MIX-TF101
Entries 2093374
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

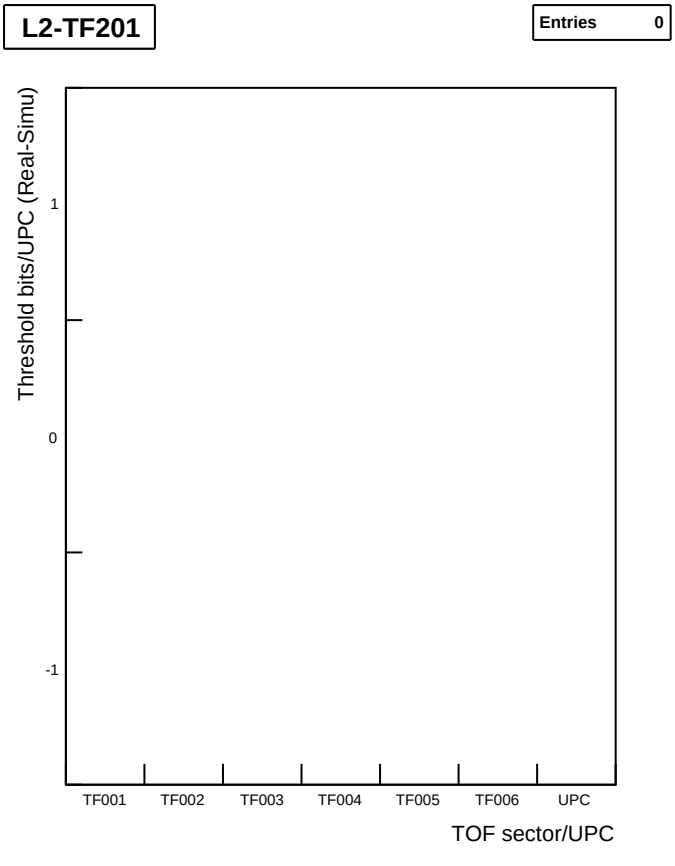

MIX-TF101
Entries 4.012754e+07
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

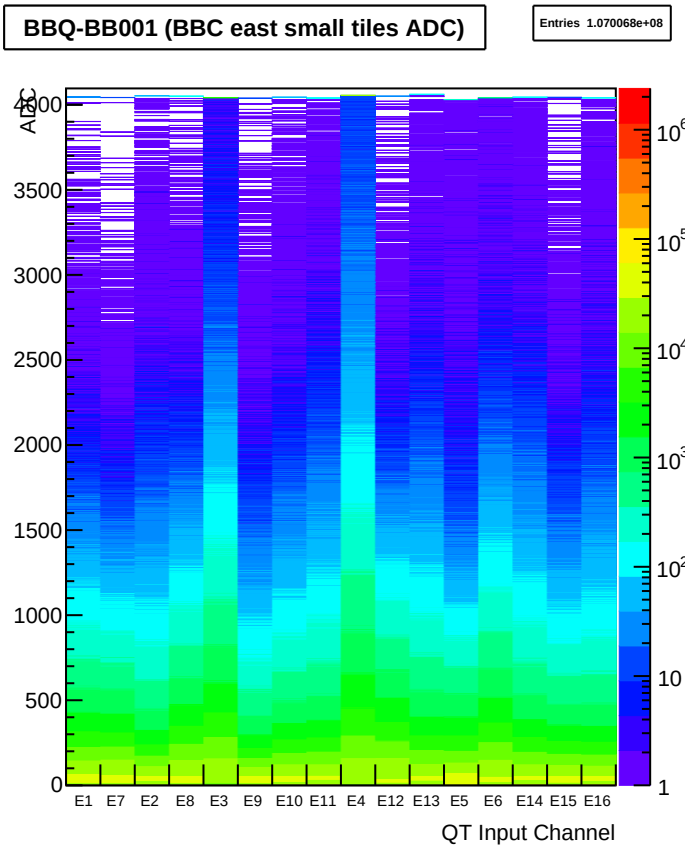

MIX-TF101
Entries 4200459
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

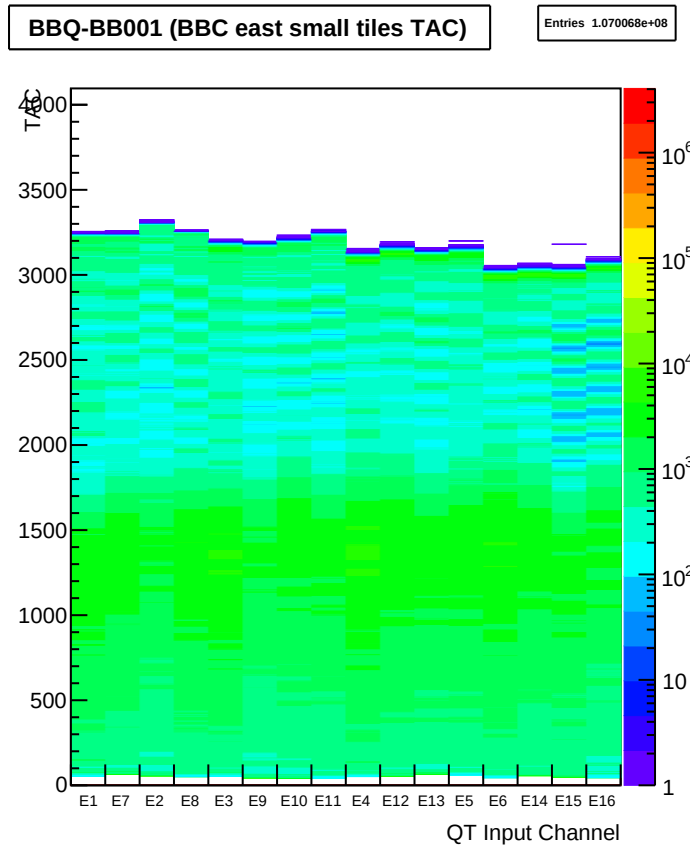

L2-TF201
Entries6687924
TOF total mult

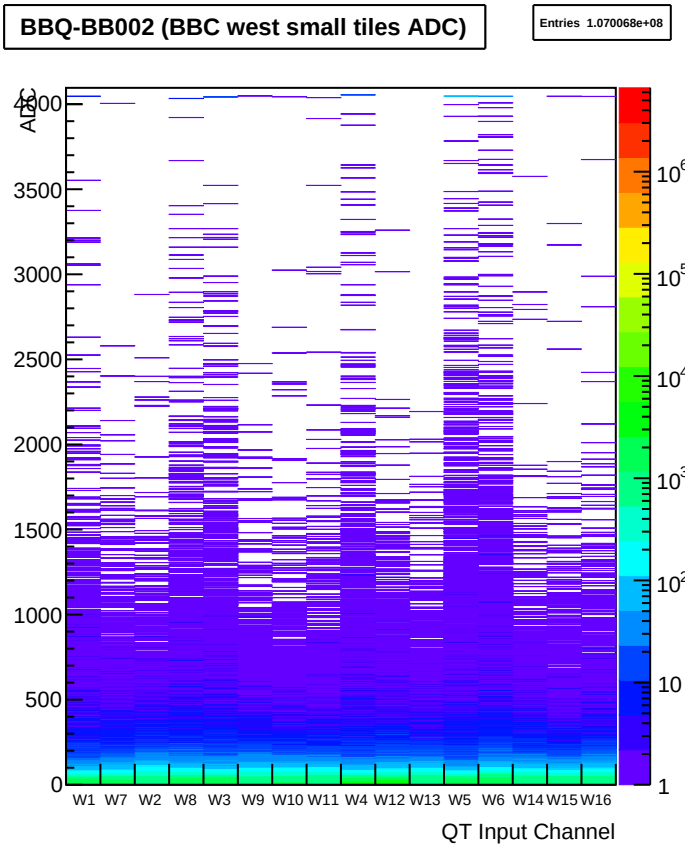

L2-TF201
Entries 0
TOF total mult(Real-Simu)

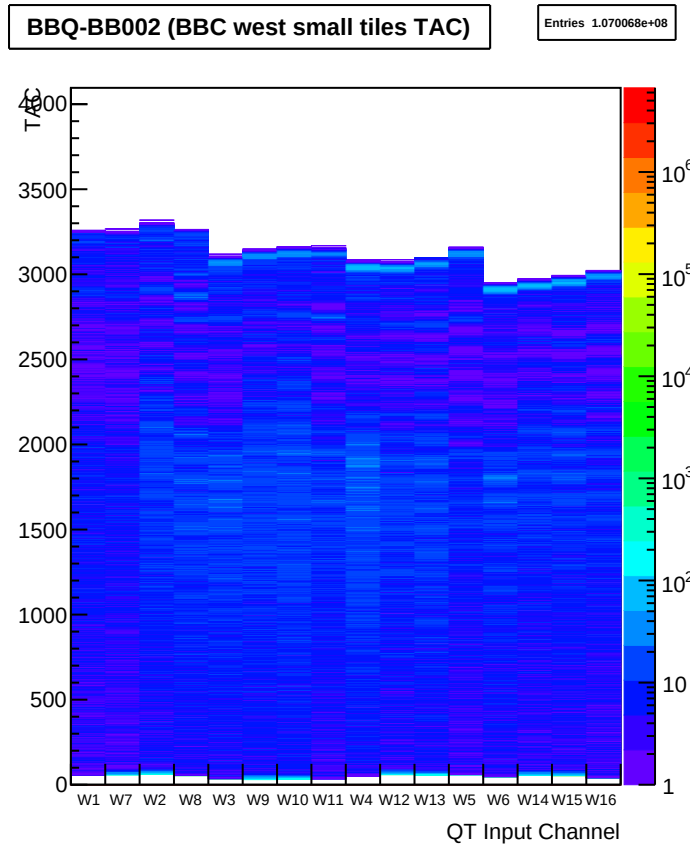

L2-TF201
Entries 4.681547e+07
Threshold/UPC bits
5.76678e+06 5.80185e+06 5.72519e+06 5.81672e+06 5.84513e+06 5.737e+06 6.61696e+06
921147 886071 962737 871204 842797 950921 70962
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

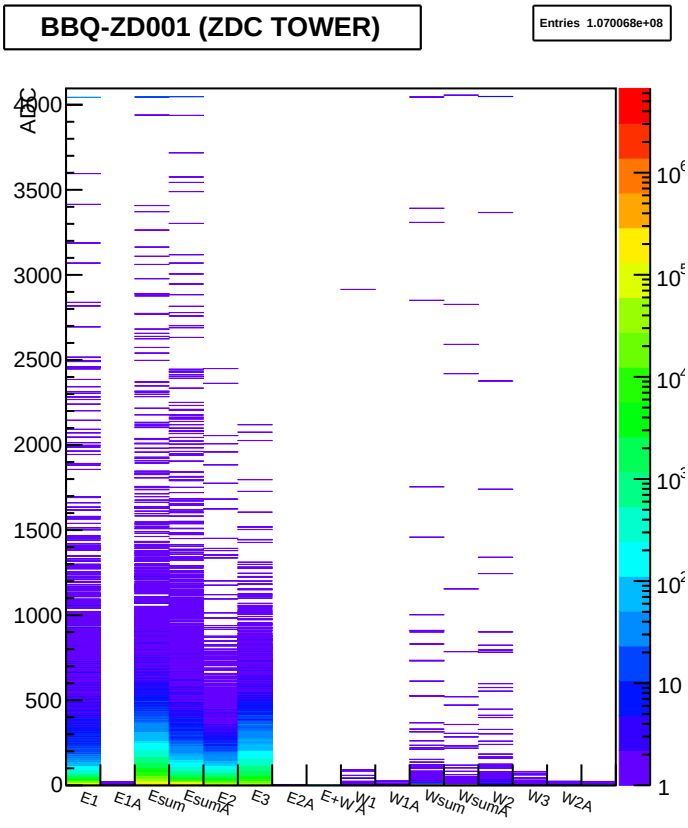

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

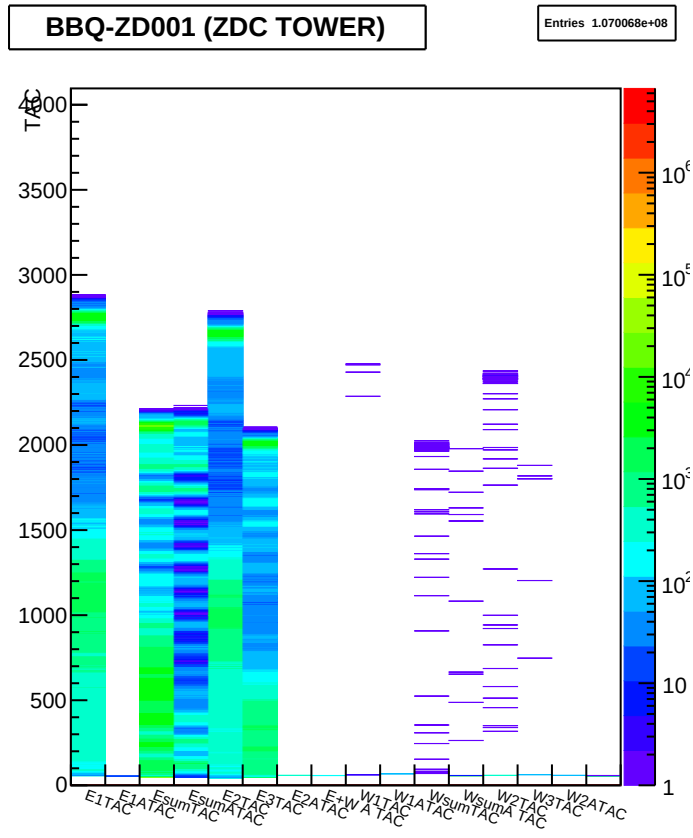

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.070068e+08
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

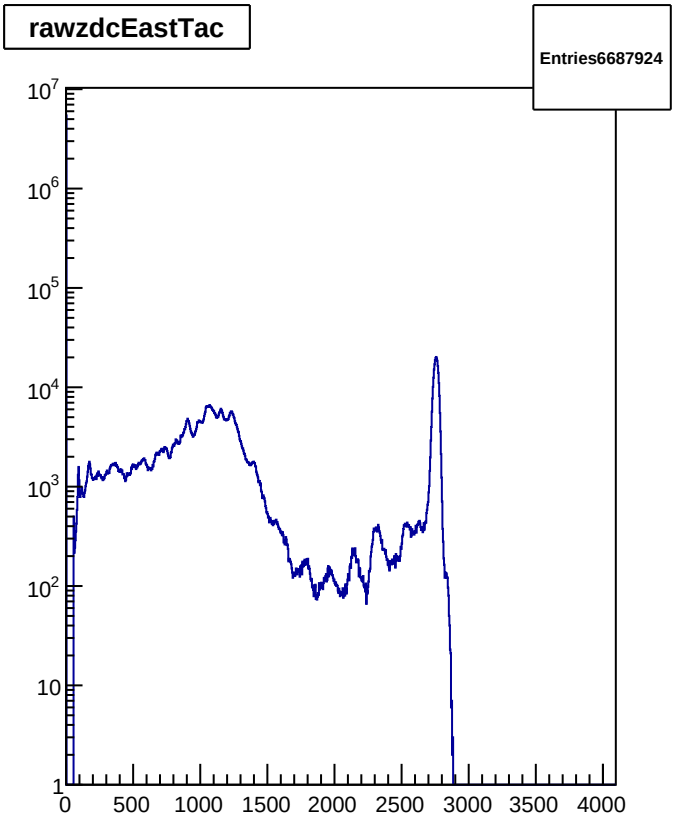

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.070068e+08
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

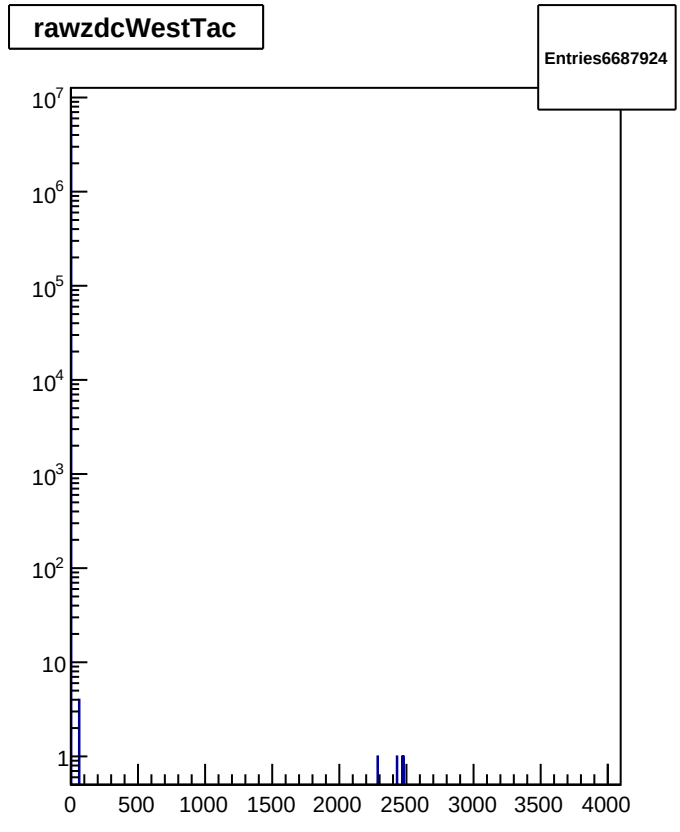

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.070068e+08
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

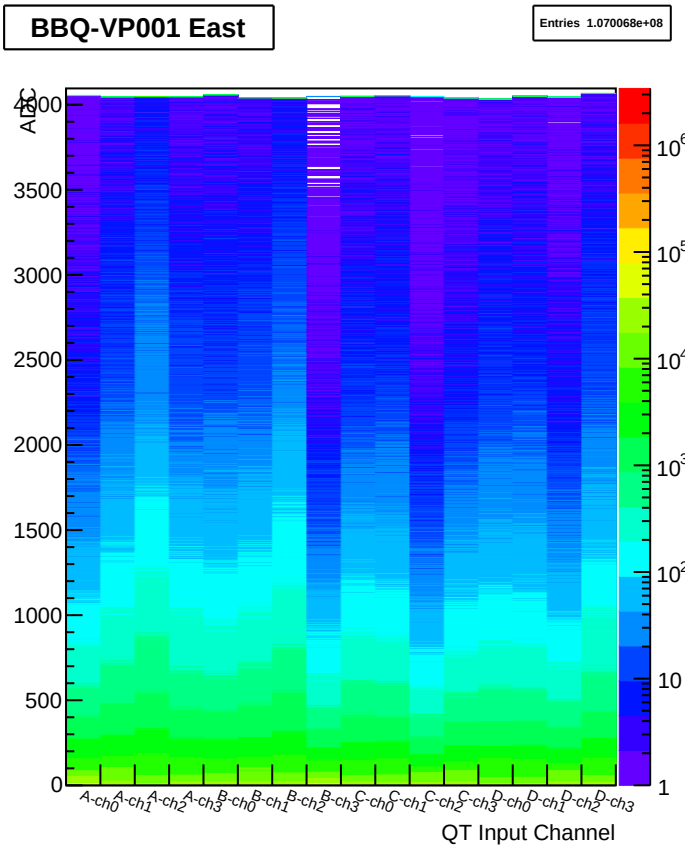

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.070068e+08
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

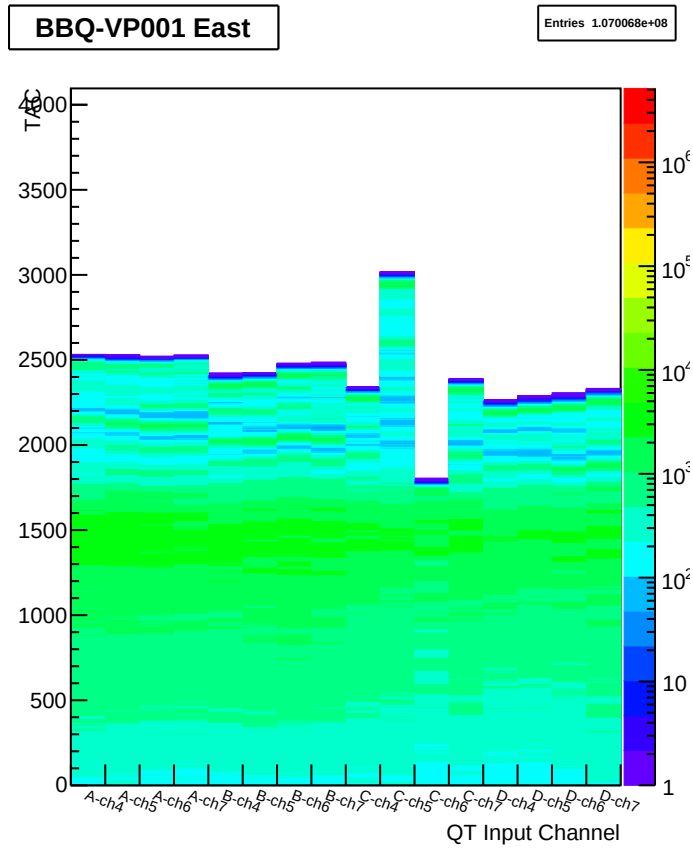

BBQ-ZD001 (ZDC TOWER)
Entries 1.070068e+08
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

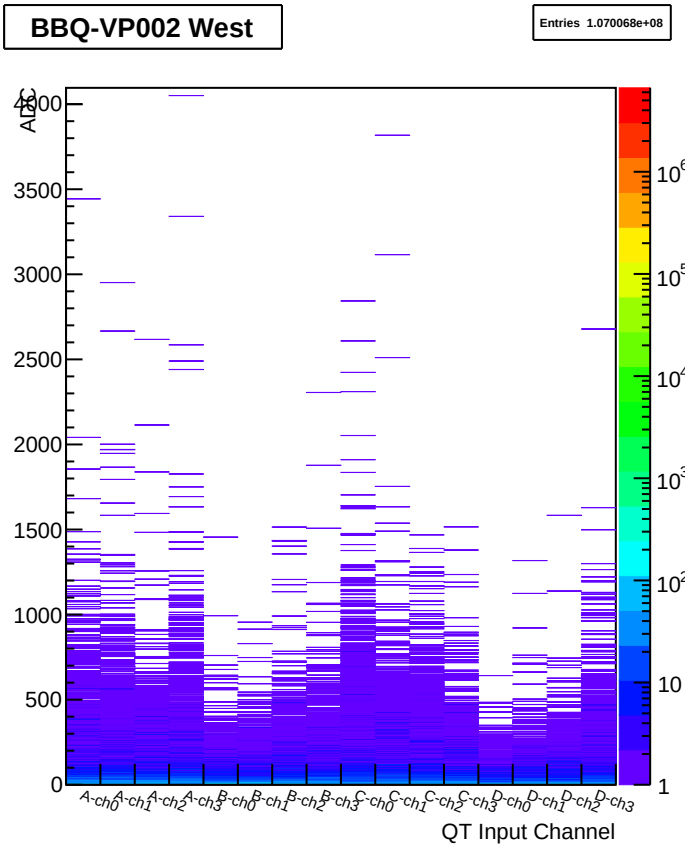

BBQ-ZD001 (ZDC TOWER)
Entries 1.070068e+08
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumATAC
W2TAC
W3TAC
W2ATAC

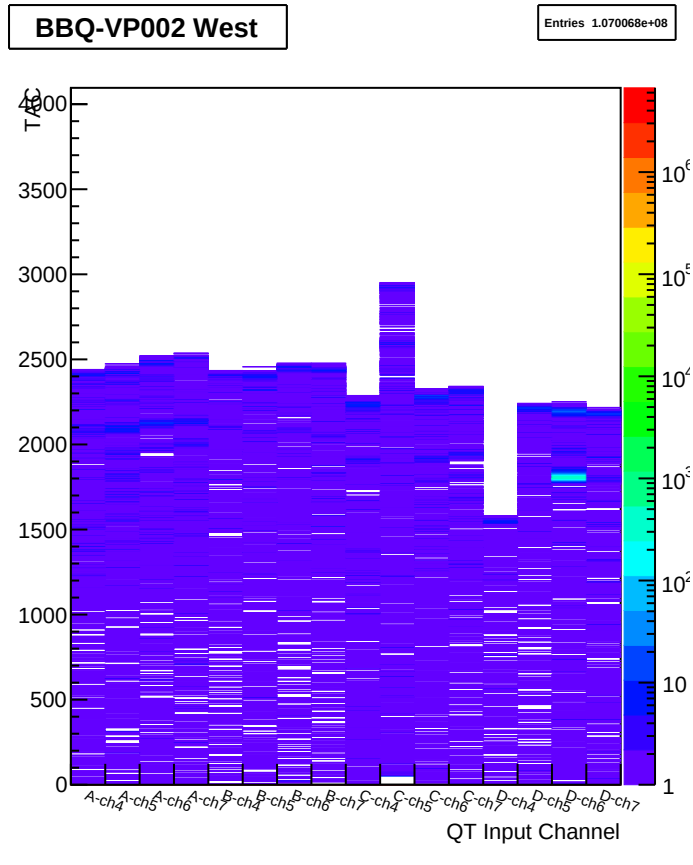

rawzdcEastTac
Entries6687924

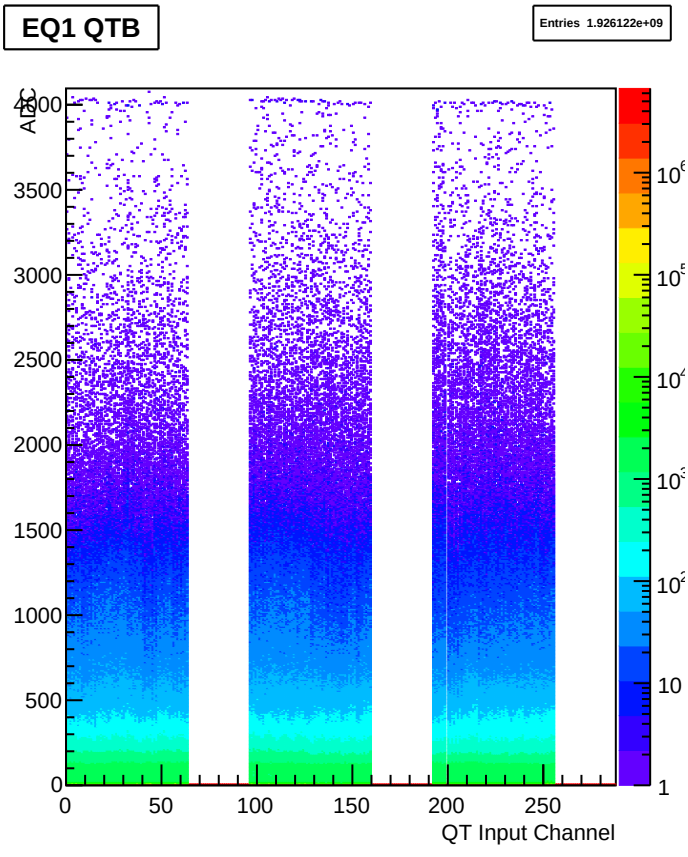

rawzdcWestTac
Entries6687924

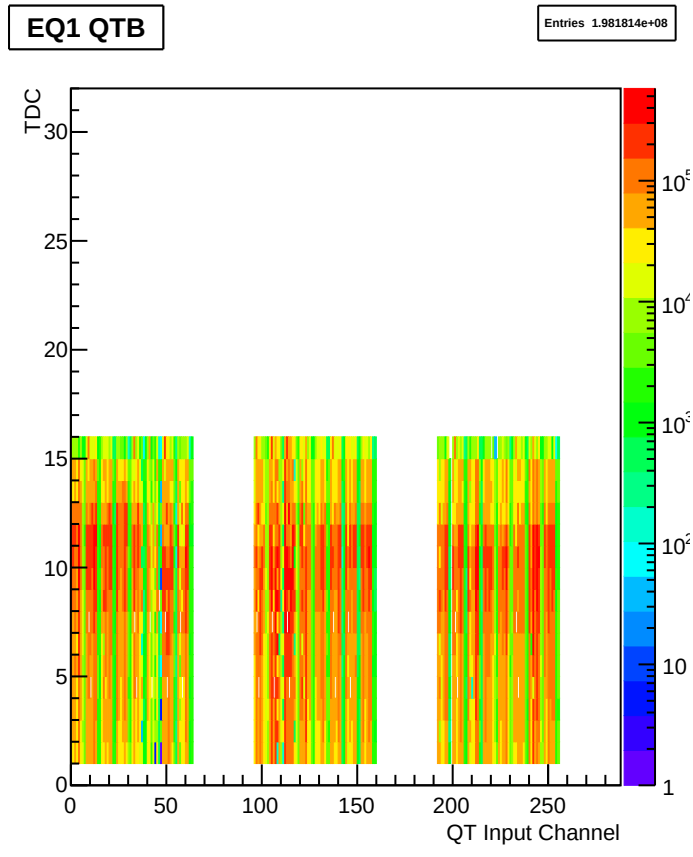

BBQ-VP001 East
Entries 1.070068e+08
ADC
QT Input Channel

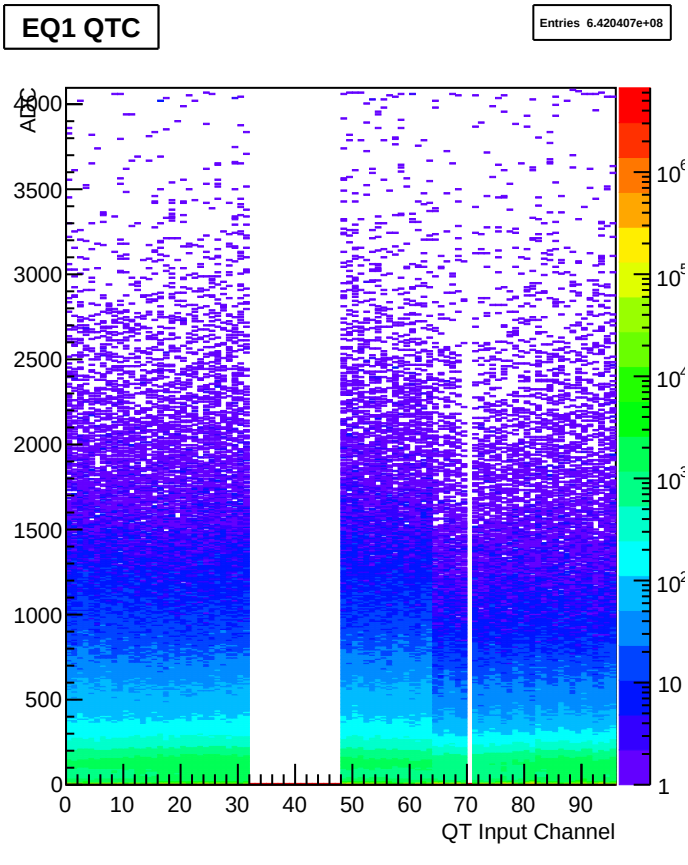

BBQ-VP001 East
Entries 1.070068e+08
TADC
QT Input Channel

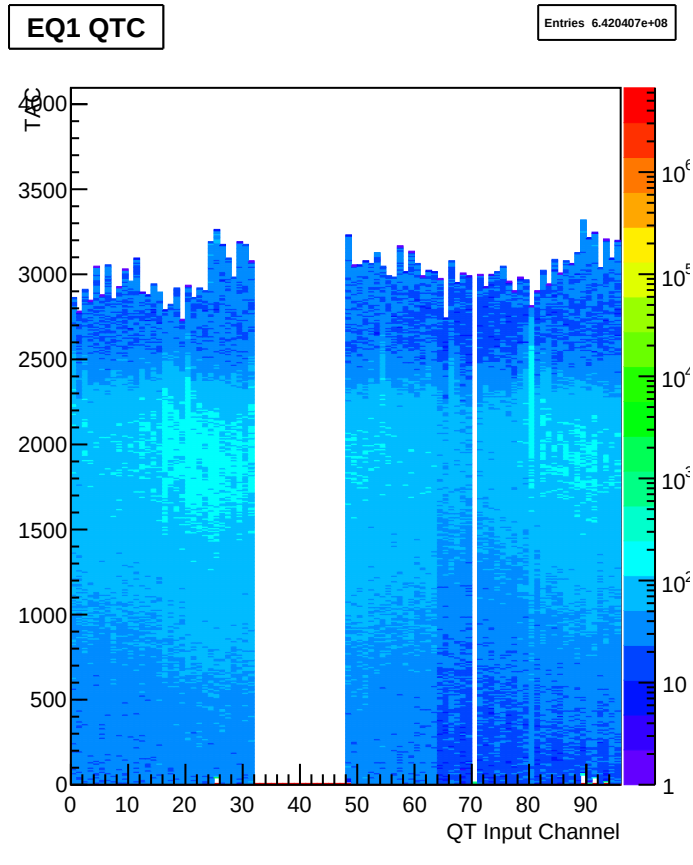

BBQ-VP002 West
Entries 1.070068e+08
ADC
QT Input Channel

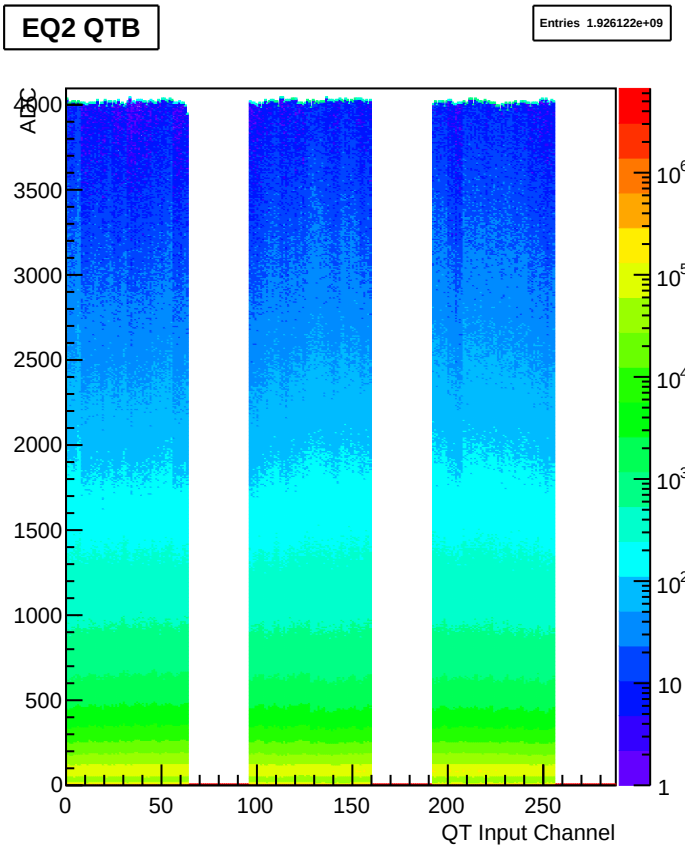

BBQ-VP002 West
Entries 1.070068e+08
TADC
QT Input Channel

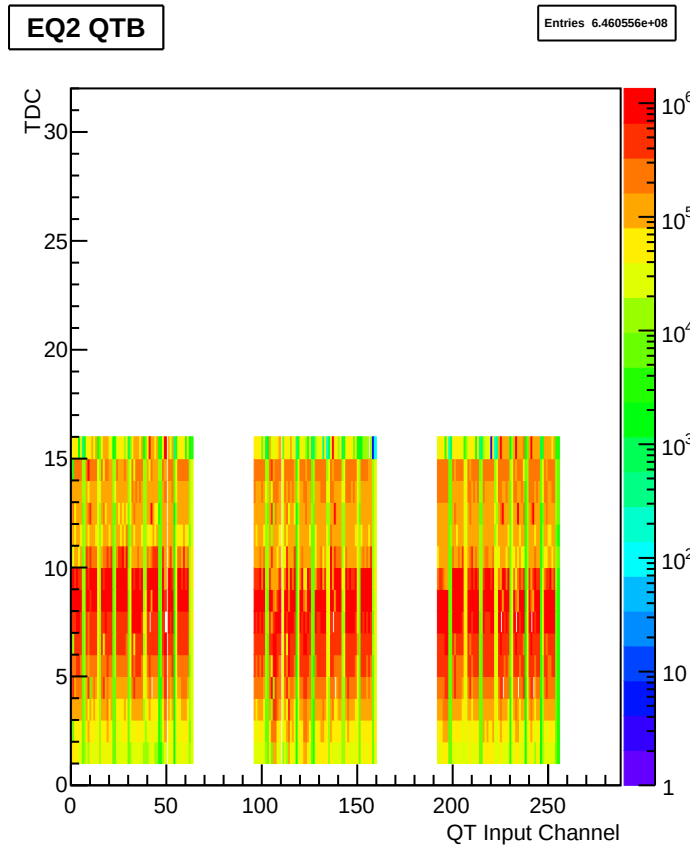

EQ1 QTB
Entries 1.926122e+09
ADC
QT Input Channel

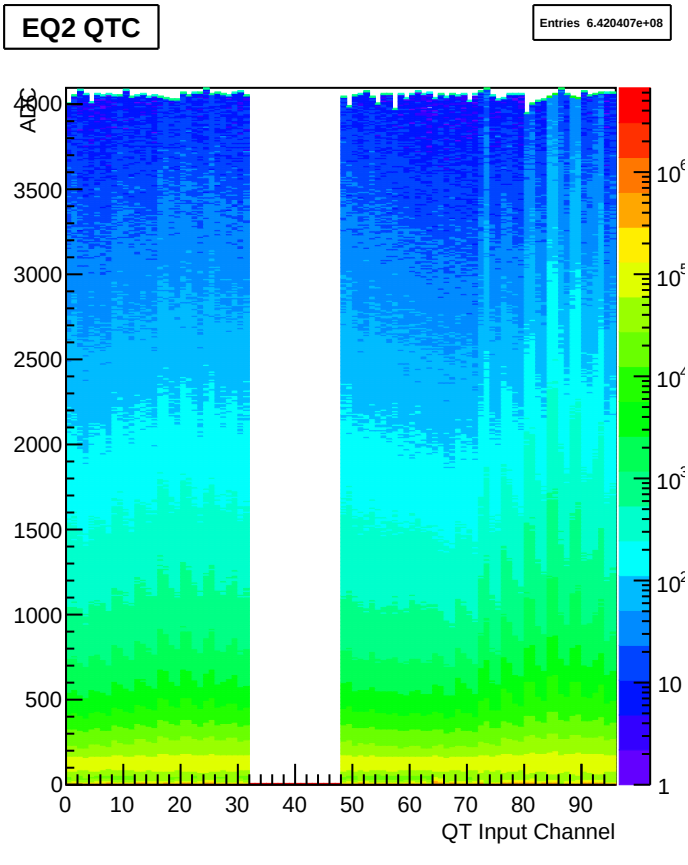

EQ1 QTB
Entries 1.981814e+08
TDC
QT Input Channel

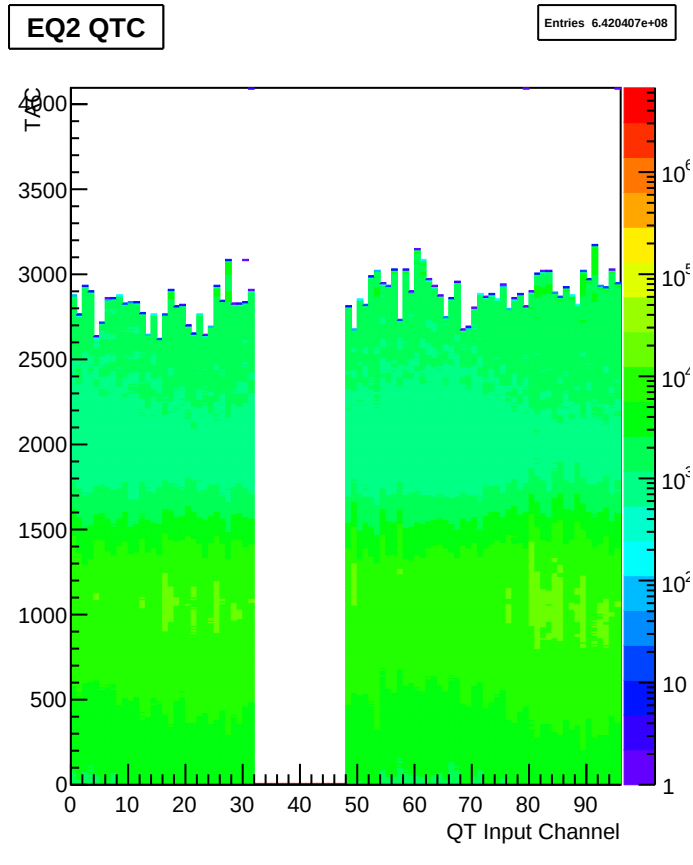

EQ1 QTC
Entries 6.420407e+08
ADC
QT Input Channel

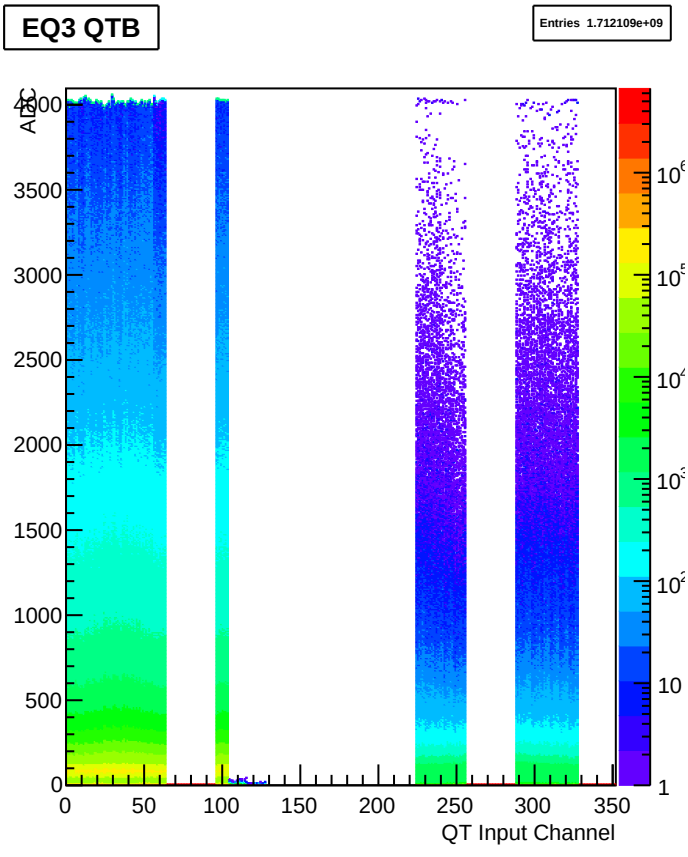

EQ1 QTC
Entries 6.420407e+08
TADC
QT Input Channel

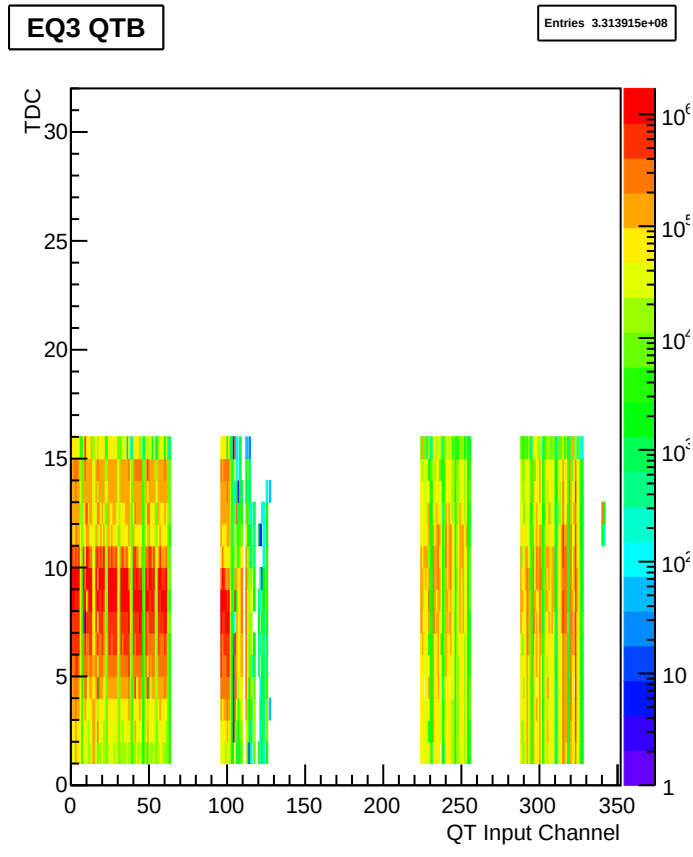

EQ2 QTB
Entries 1.926122e+09
ADC
QT Input Channel

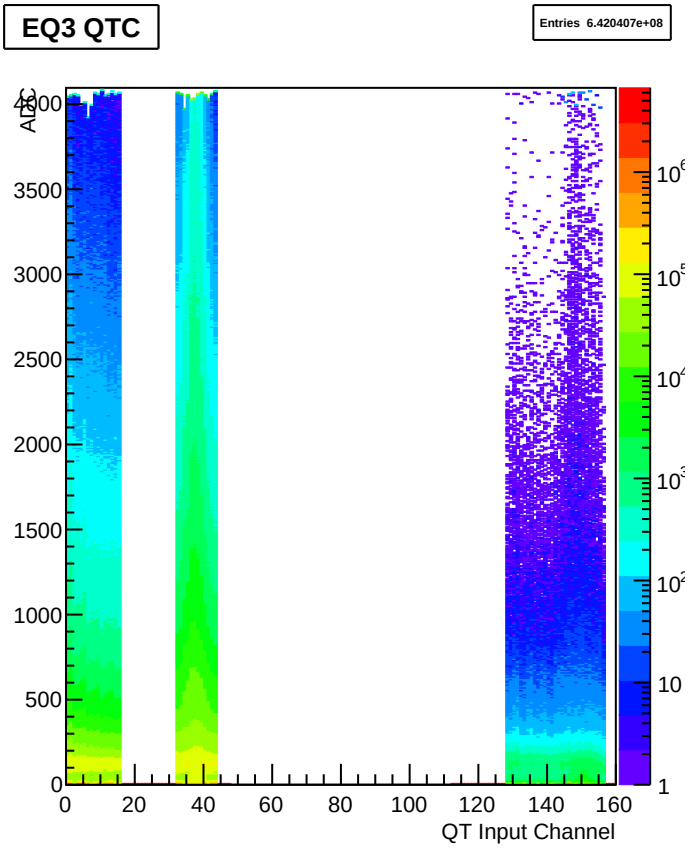

EQ2 QTB
Entries 6.460556e+08
TDC
QT Input Channel

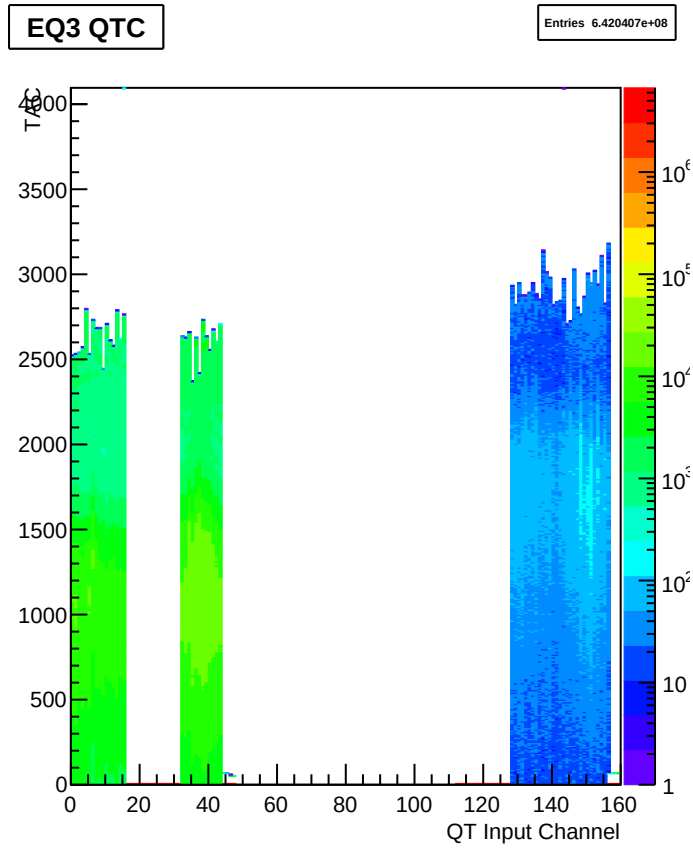

EQ2 QTC
Entries 6.420407e+08
ADC
QT Input Channel

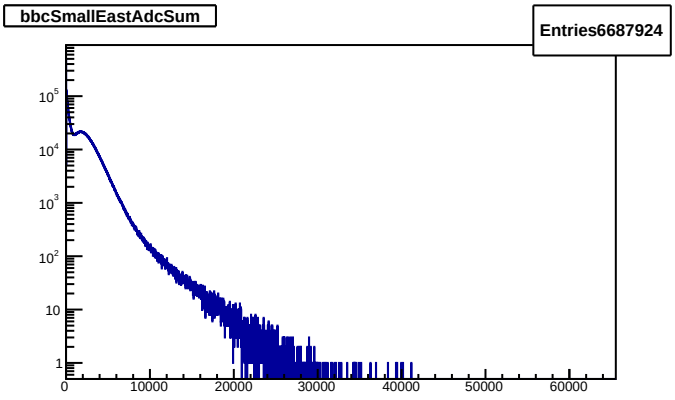

EQ2 QTC
Entries 6.420407e+08
TADC
QT Input Channel

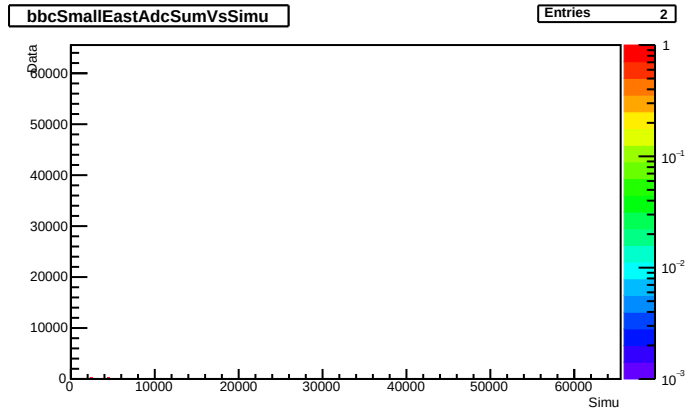

EQ3 QTB
Entries 1.712109e+09
ADC
QT Input Channel

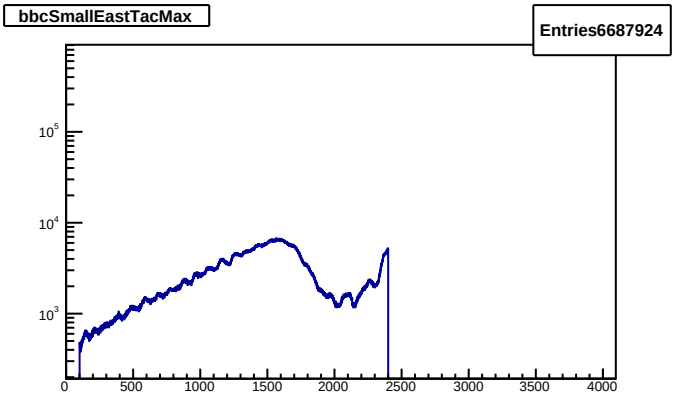

EQ3 QTB
Entries 3.313915e+08
TDC
QT Input Channel

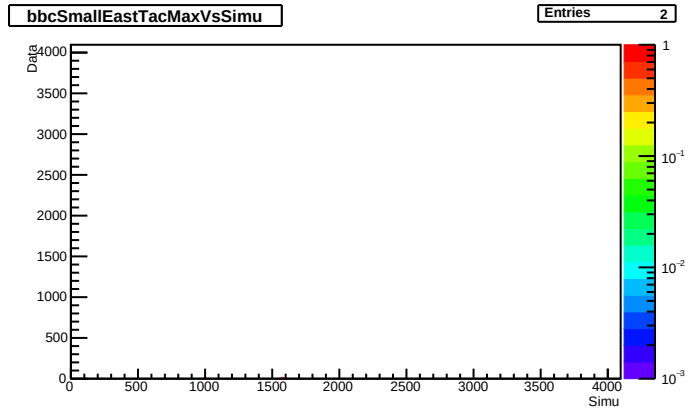

EQ3 QTC
Entries 6.420407e+08
ADC
QT Input Channel

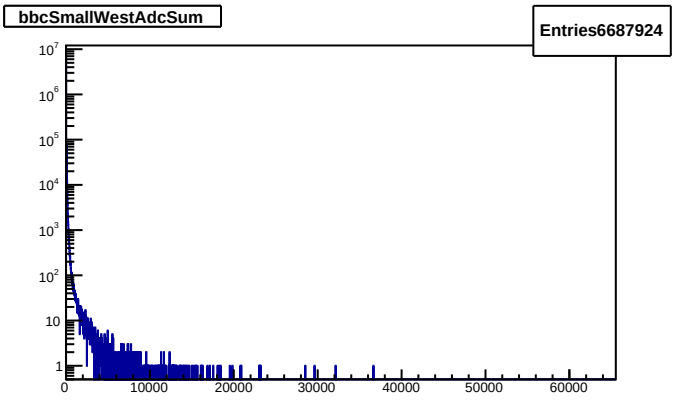

EQ3 QTC
Entries 6.420407e+08
TADC
QT Input Channel

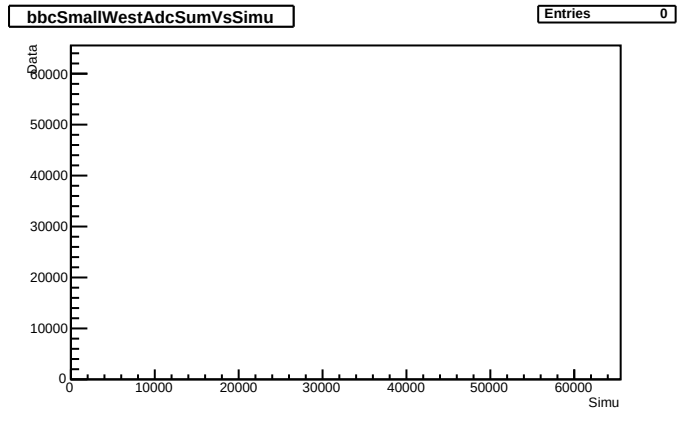

bbcSmallEastAdcSum
Entries6687924

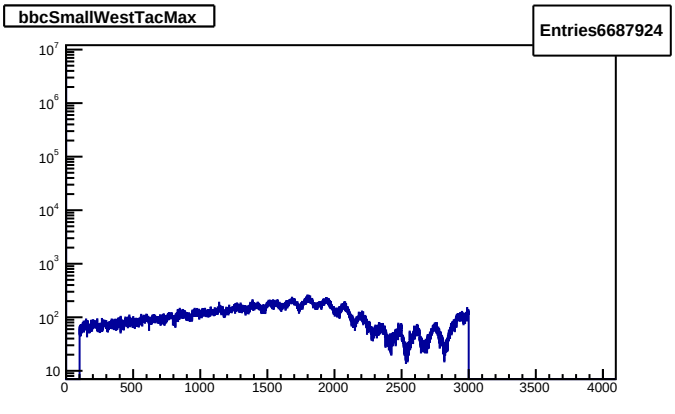

bbcSmallEastAdcSumVsSimu
Entries 2
Data
Simu

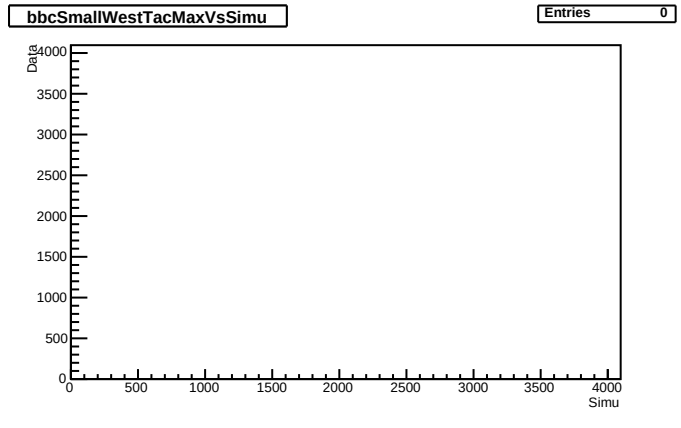

bbcSmallEastTacMax
Entries6687924

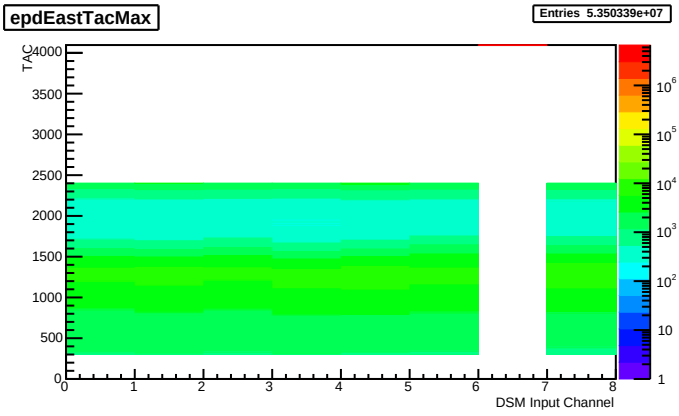

bbcSmallEastTacMaxVsSimu
Entries 2
Data
Simu

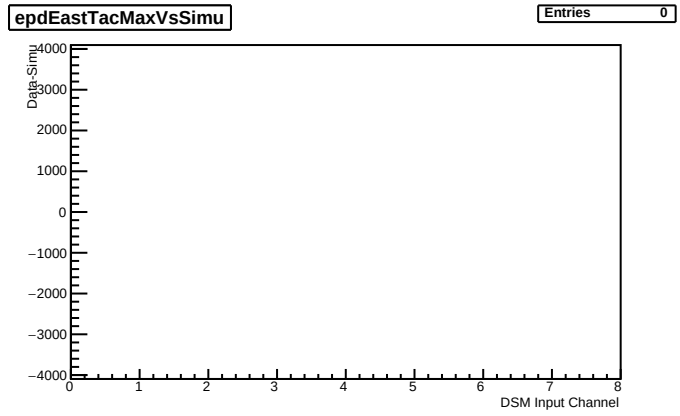

bbcSmallWestAdcSum
Entries6687924

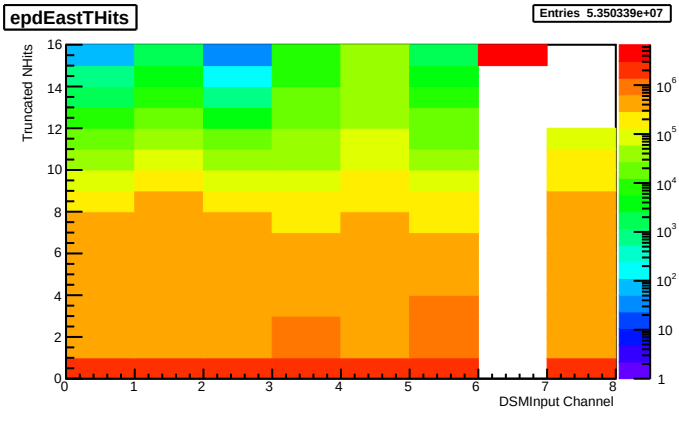

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

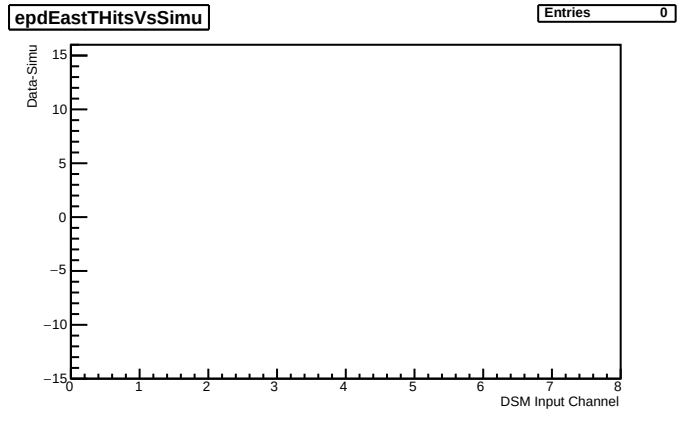

bbcSmallWestTacMax
Entries6687924

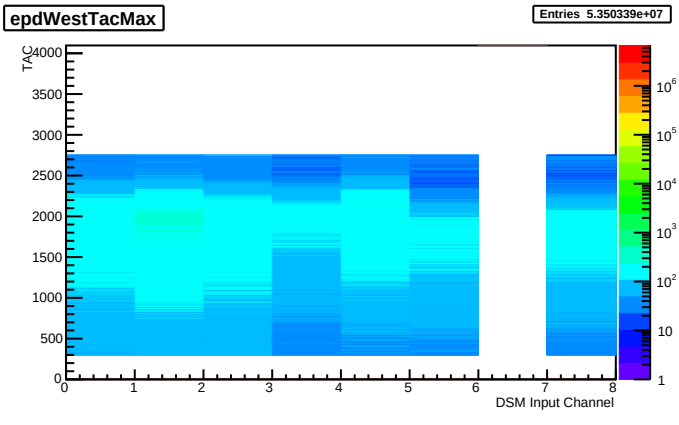

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

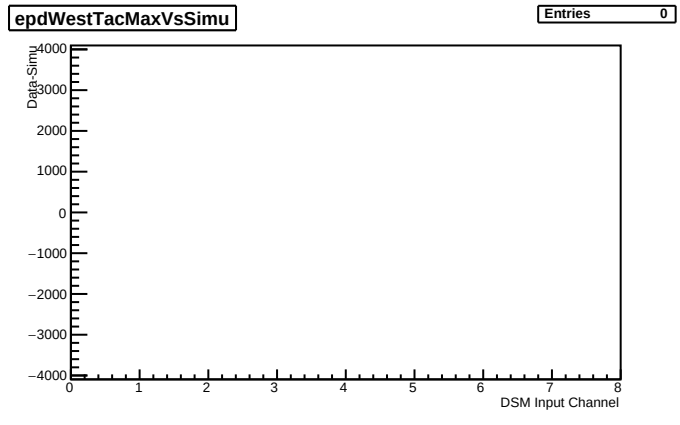

epdEastTacMax
Entries 5.350339e+07
TAC
DSM Input Channel

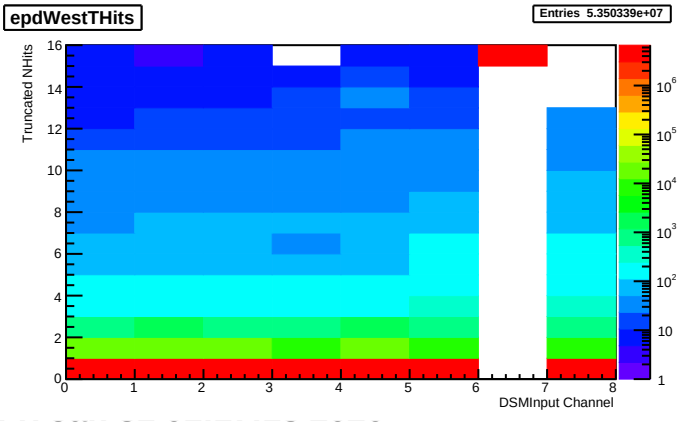

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

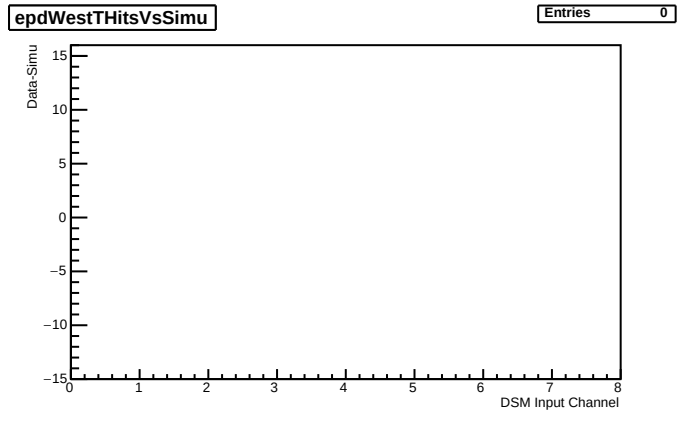

epdEastTHits
Entries 5.350339e+07
Truncated NHits
DSMInput Channel

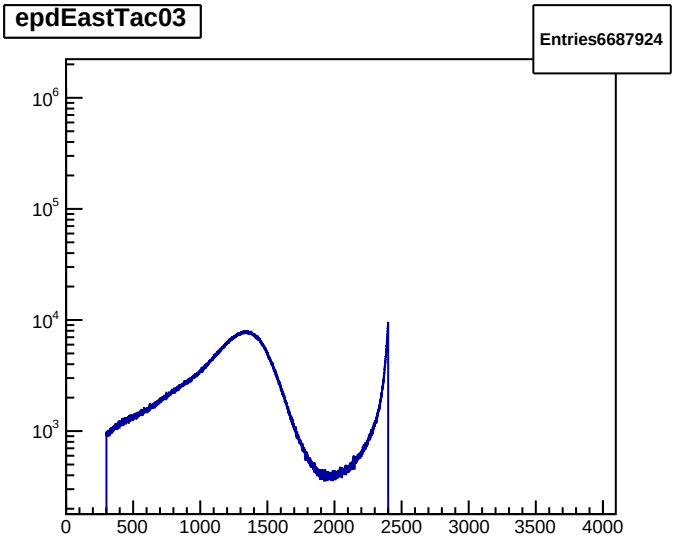

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

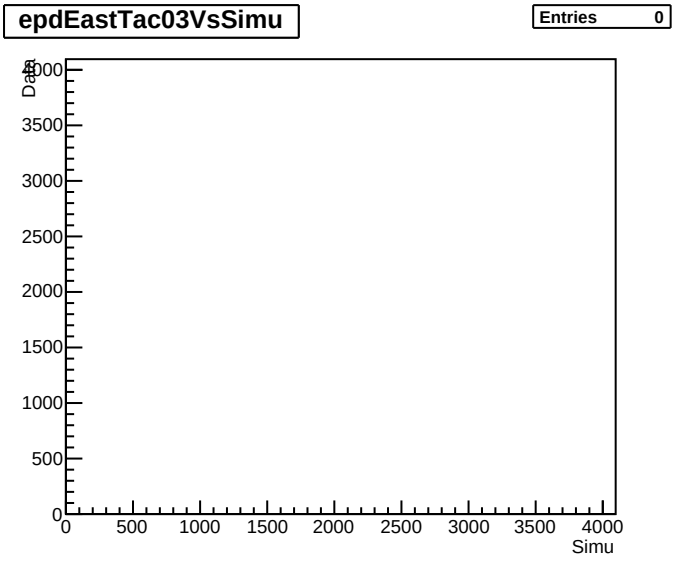

epdWestTacMax
Entries 5.350339e+07
TAC
DSM Input Channel

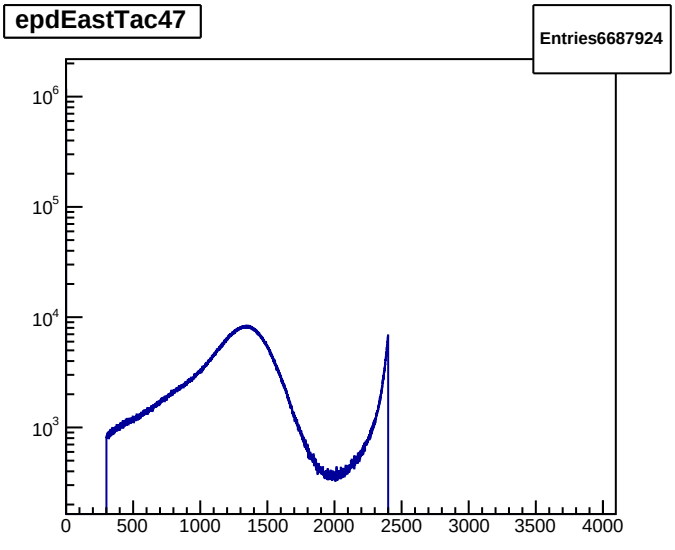

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

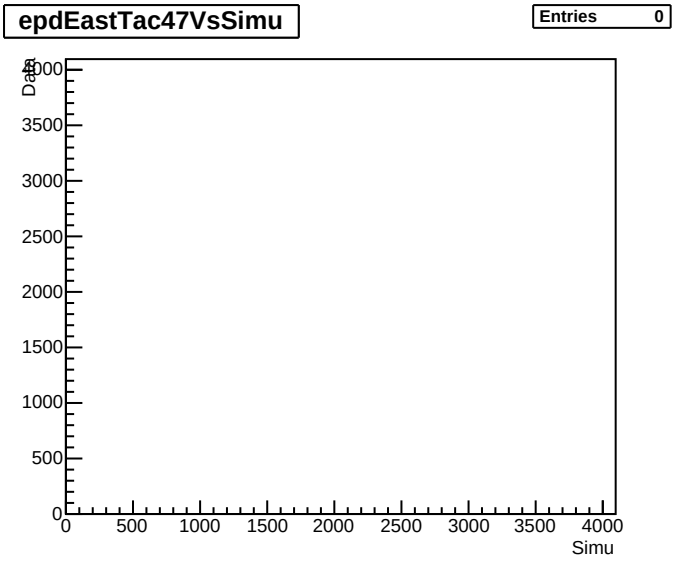

epdWestTHits
Entries 5.350339e+07
Truncated NHits
DSMInput Channel

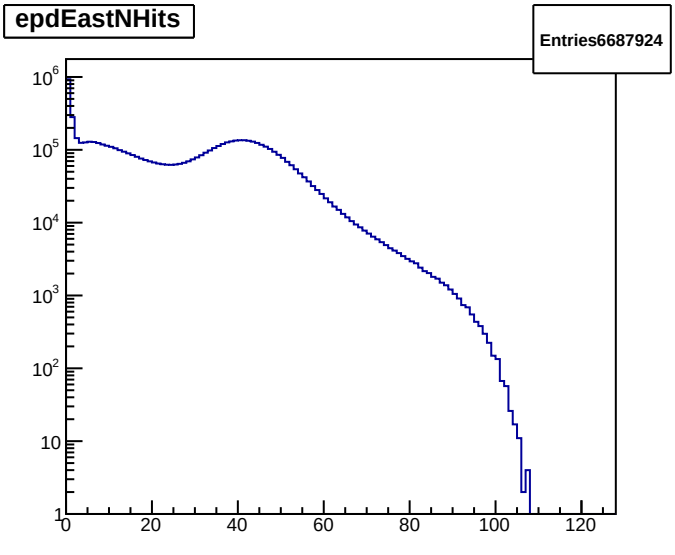

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

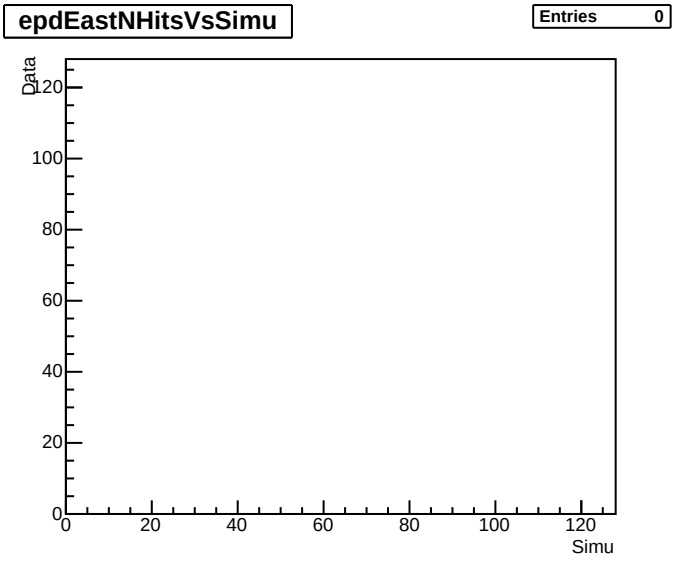

epdEastTac03
Entries6687924

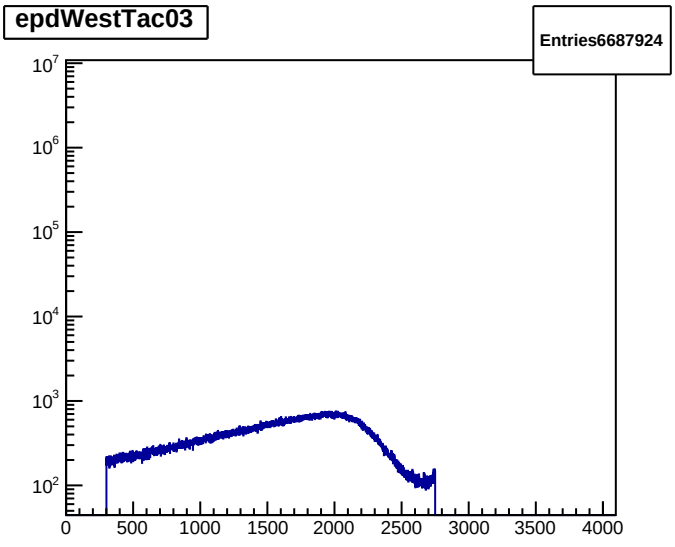

epdEastTac03VsSimu
Entries 0
Data
Simu

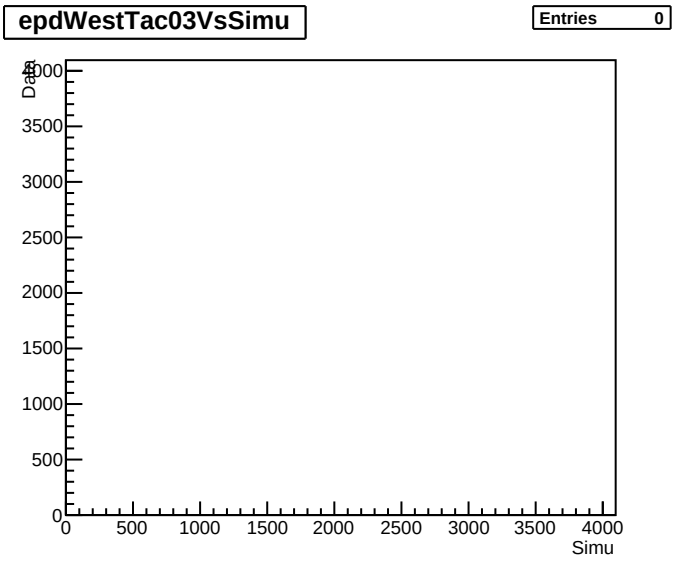

epdEastTac47
Entries6687924

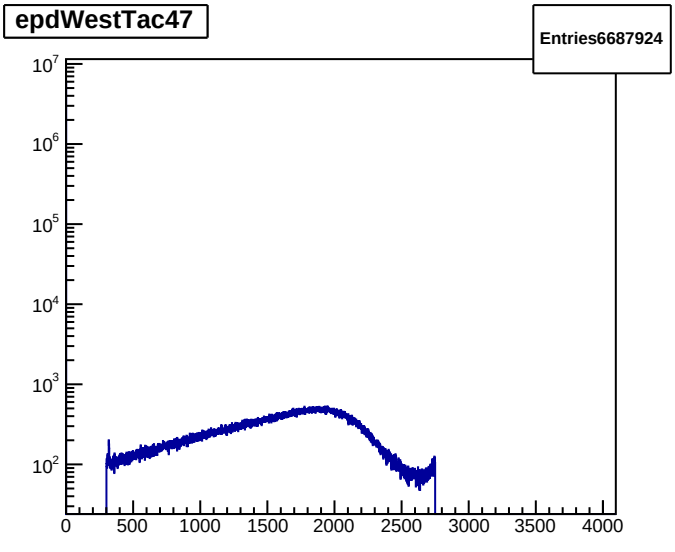

epdEastTac47VsSimu
Entries 0
Data
Simu

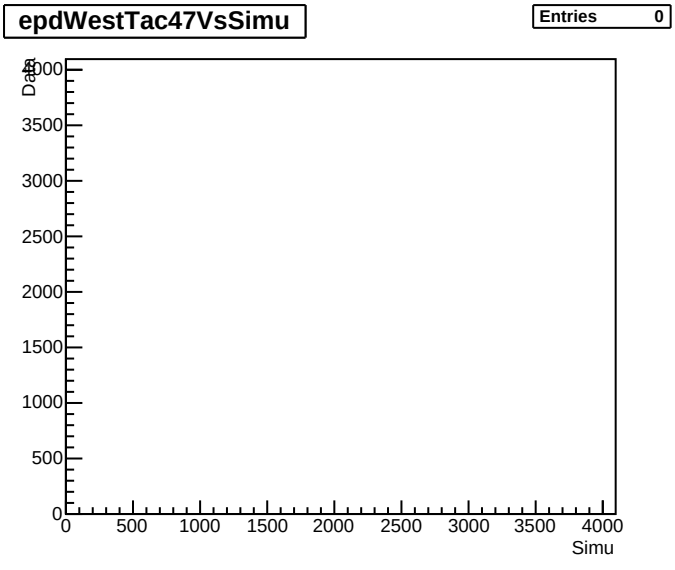

epdEastNHits
Entries6687924

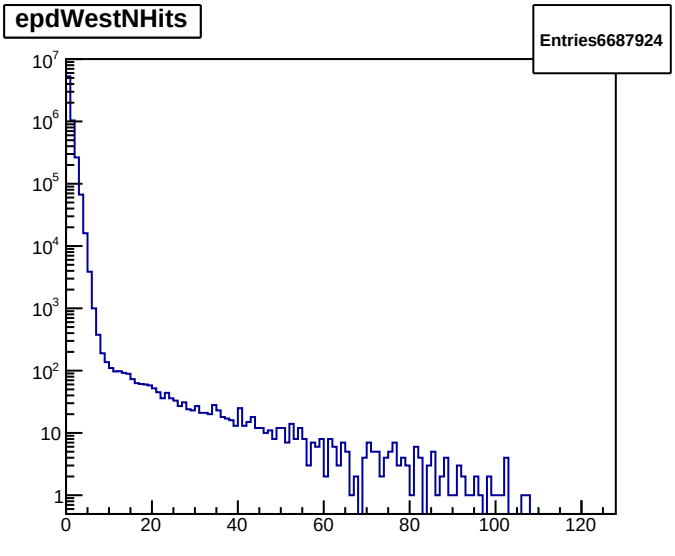

epdEastNHitsVsSimu
Entries 0
Data
Simu

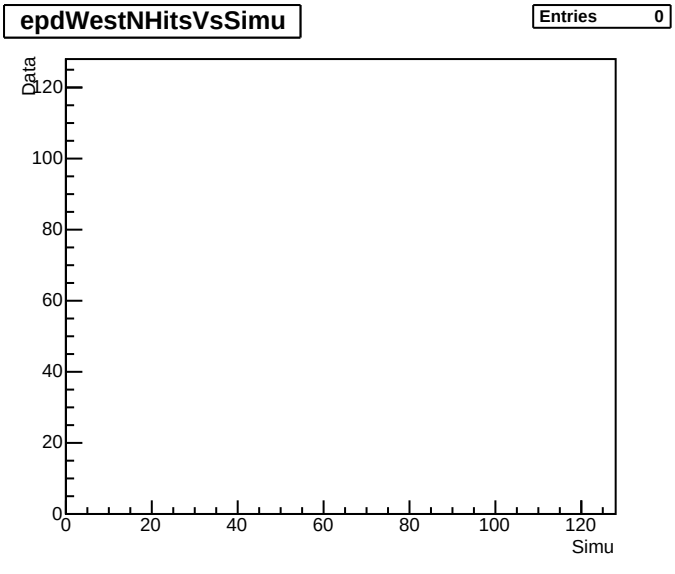

epdWestTac03
Entries6687924

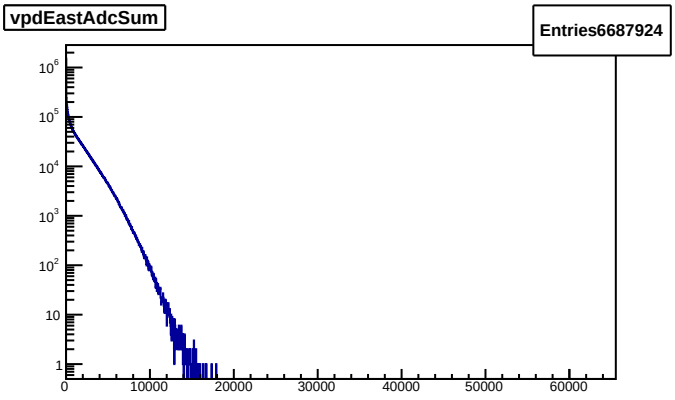

epdWestTac03VsSimu
Entries 0
Data
Simu

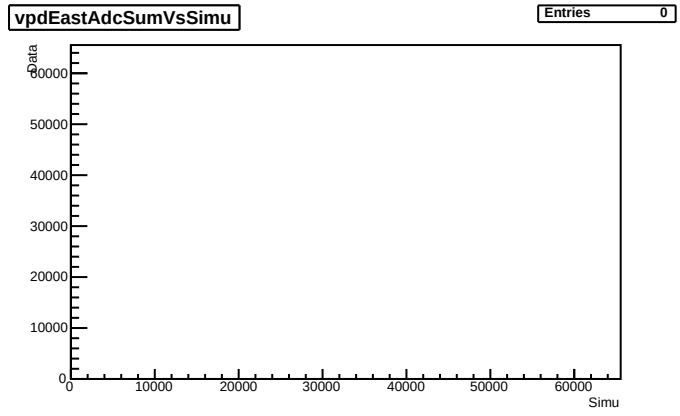

epdWestTac47
Entries6687924

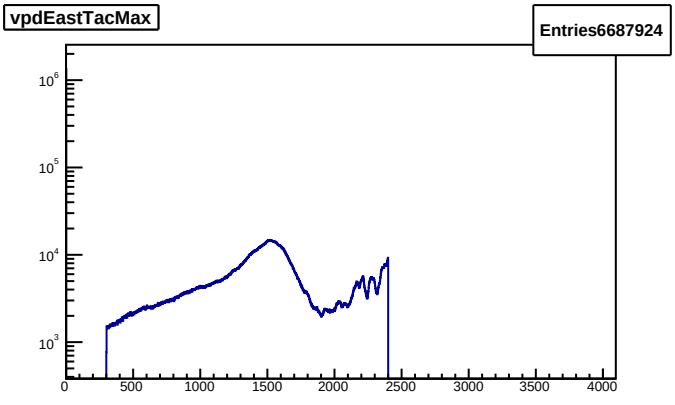

epdWestTac47VsSimu
Entries 0
Data
Simu

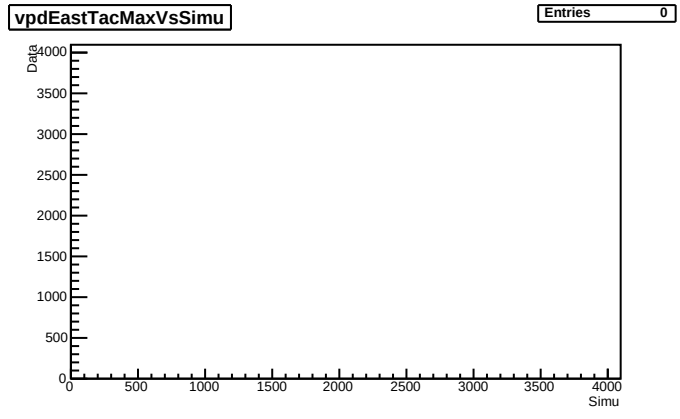

epdWestNHits
Entries6687924

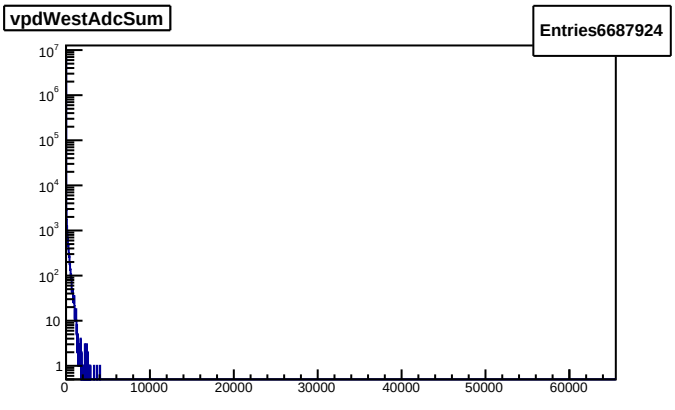

epdWestNHitsVsSimu
Entries 0
Data
Simu

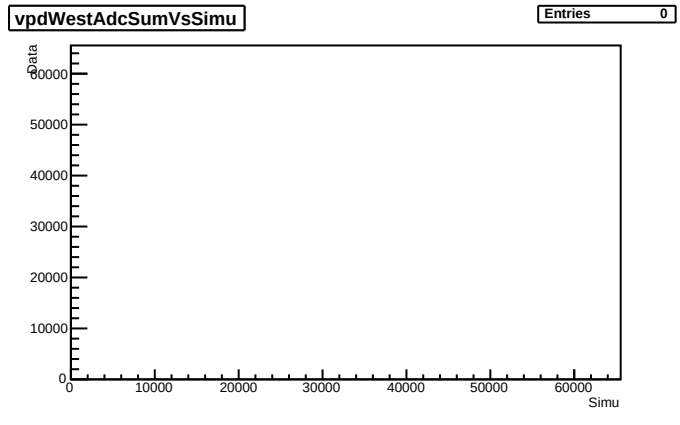

vpdEastAdcSum
Entries6687924

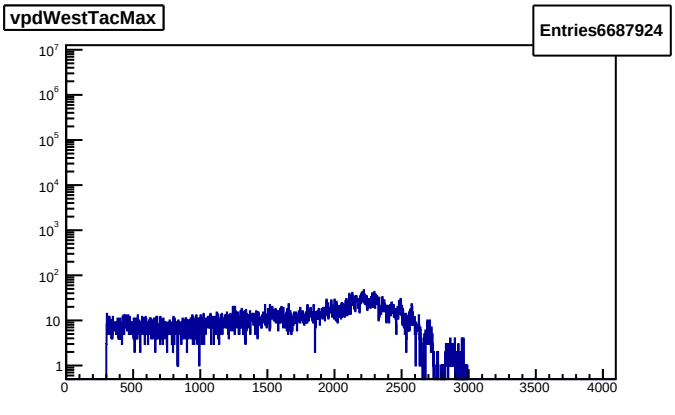

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

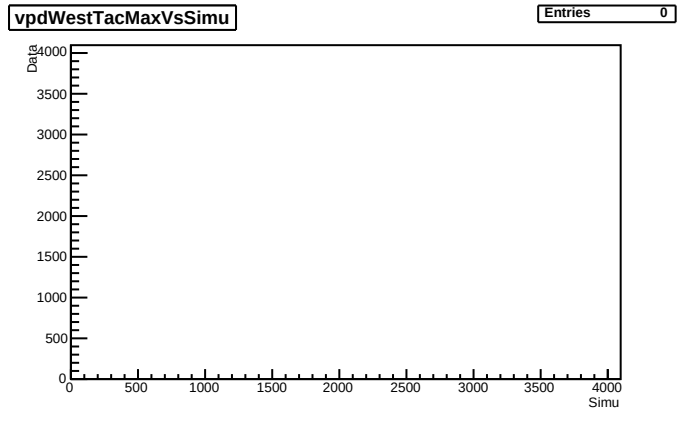

vpdEastTacMax
Entries6687924

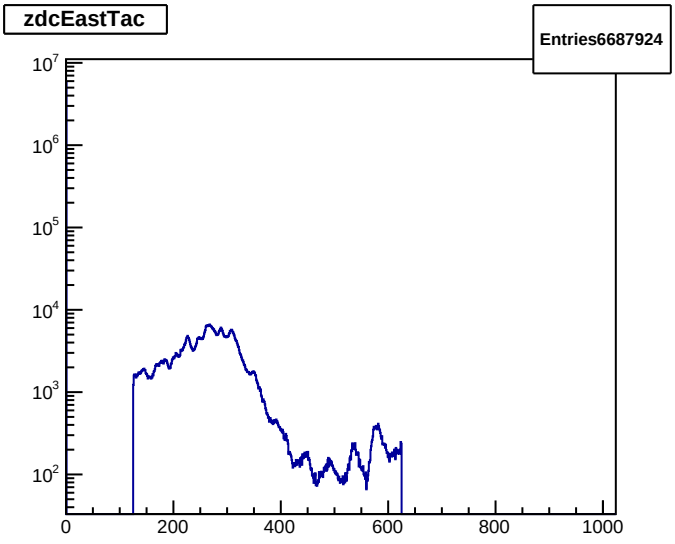

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

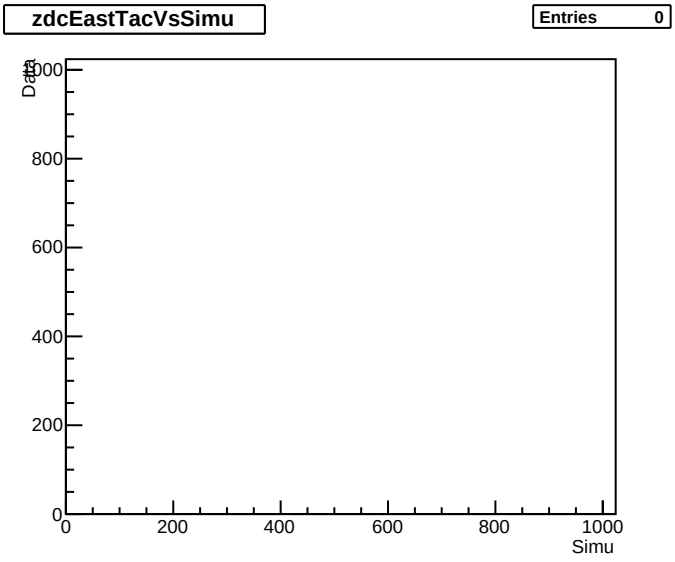

vpdWestAdcSum
Entries6687924

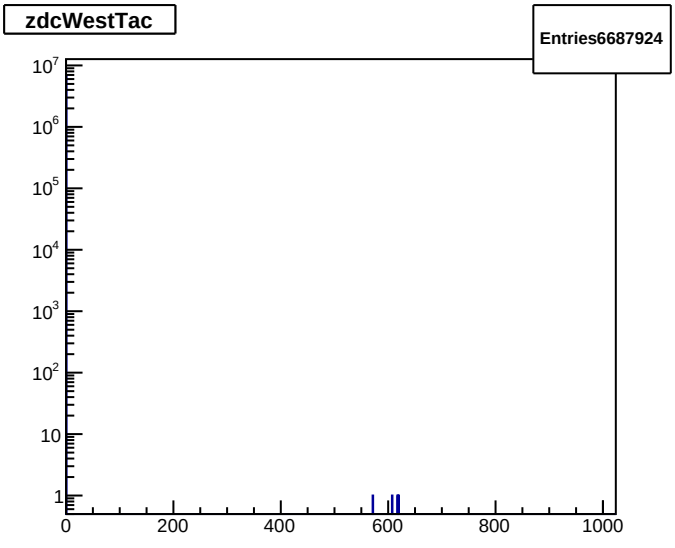

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

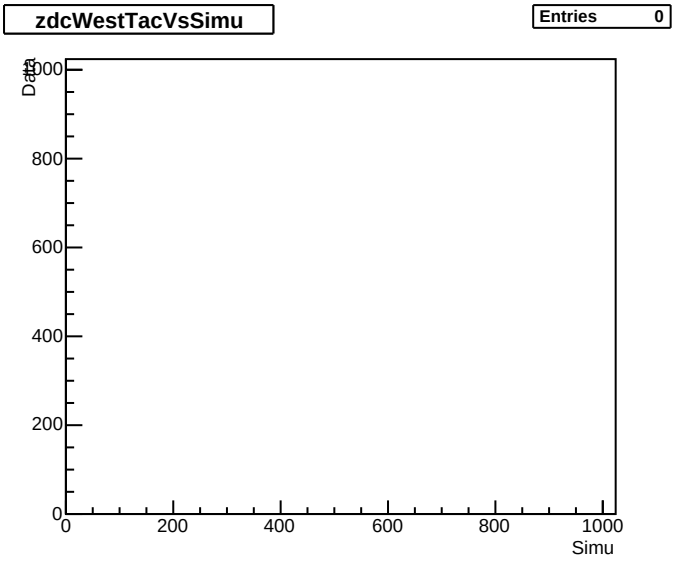

vpdWestTacMax
Entries6687924

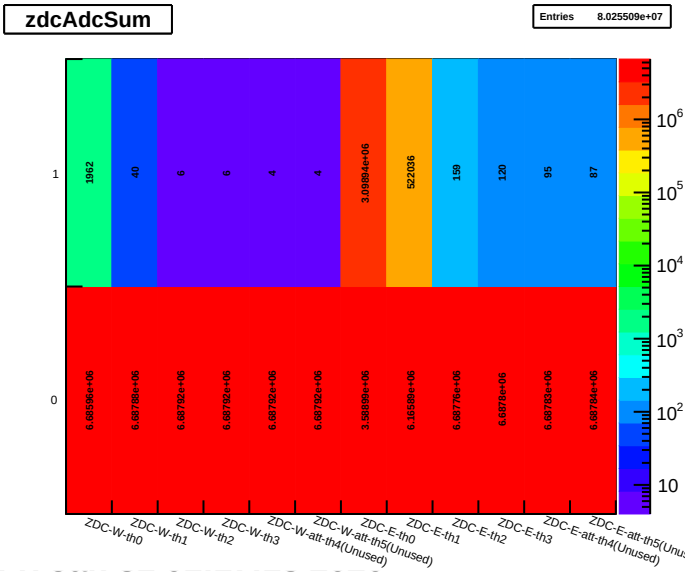

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

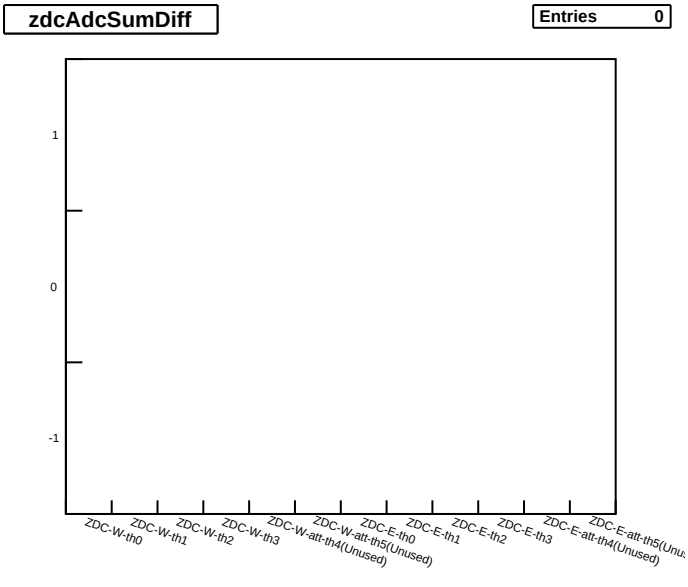

zdcEastTac
Entries6687924

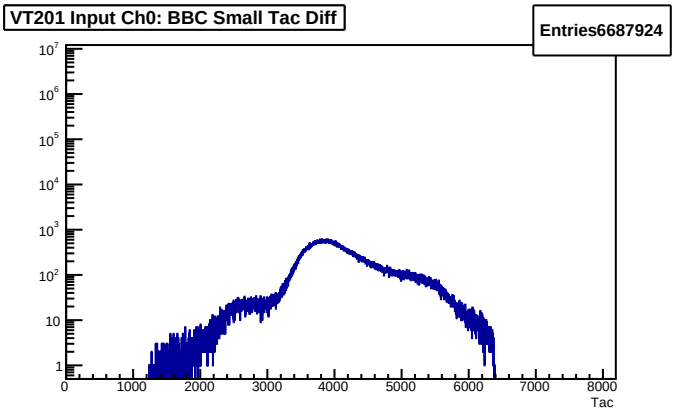

zdcEastTacVsSimu
Entries 0
Data
Simu

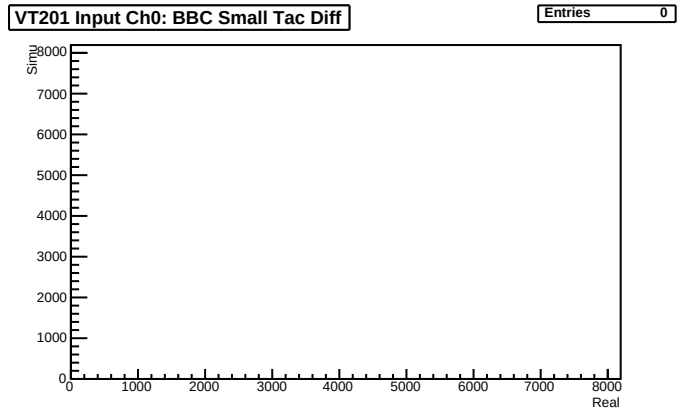

zdcWestTac
Entries6687924

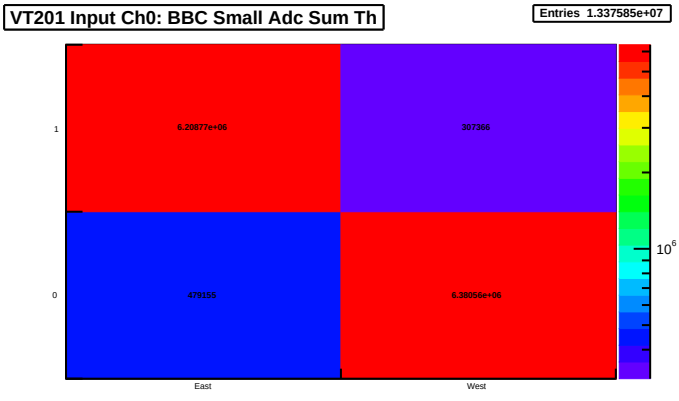

zdcWestTacVsSimu
Entries 0
Data
Simu

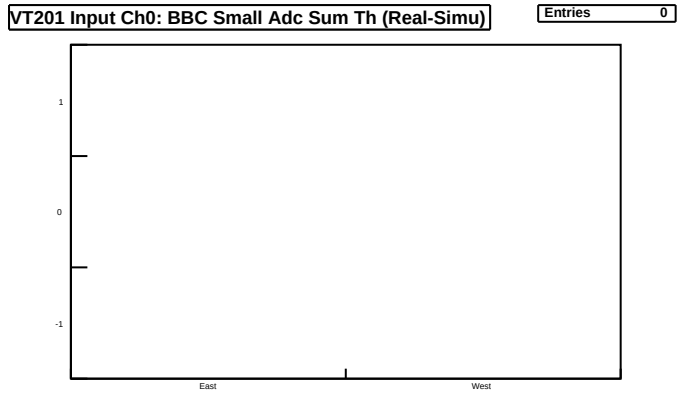

zdcAdcSum
Entries 8.025509e+07
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

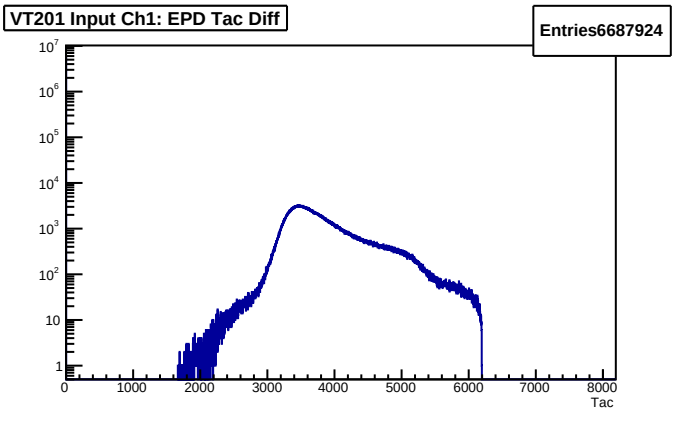

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

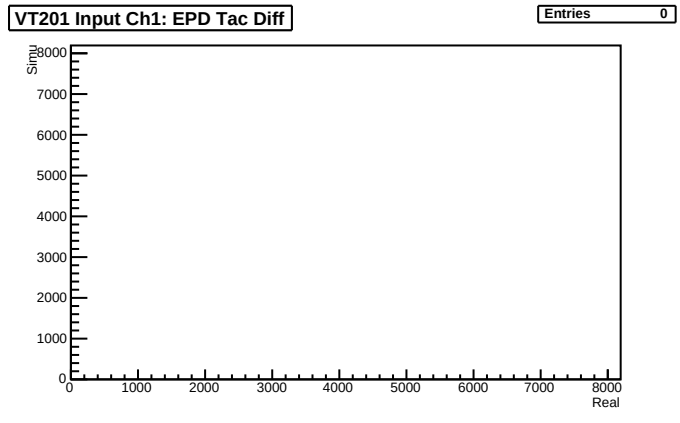

VT201 Input Ch0: BBC Small Tac Diff
Entries6687924
Tac

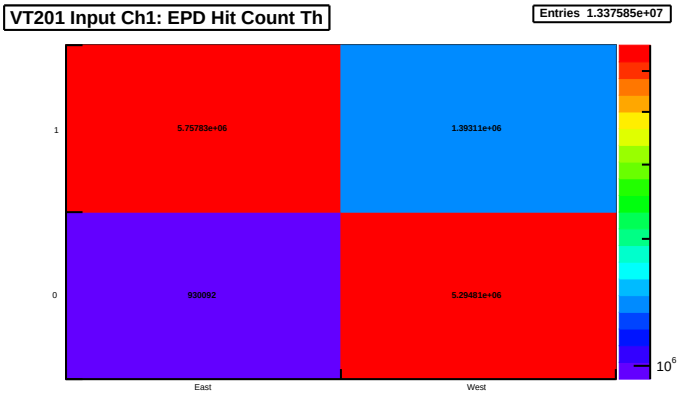

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

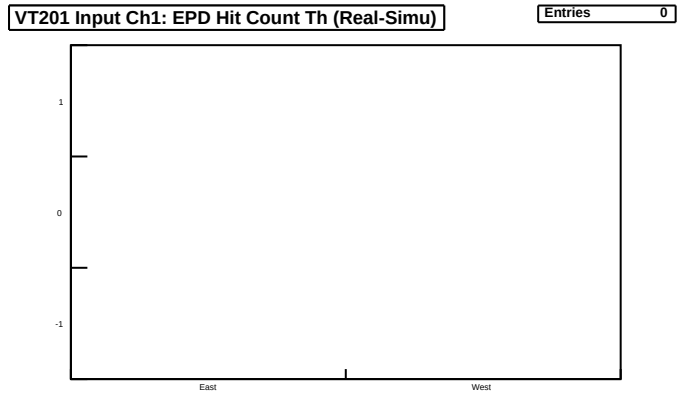

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1.337585e+07
6.20877e+06
307366
479155
6.38056e+06
East
West

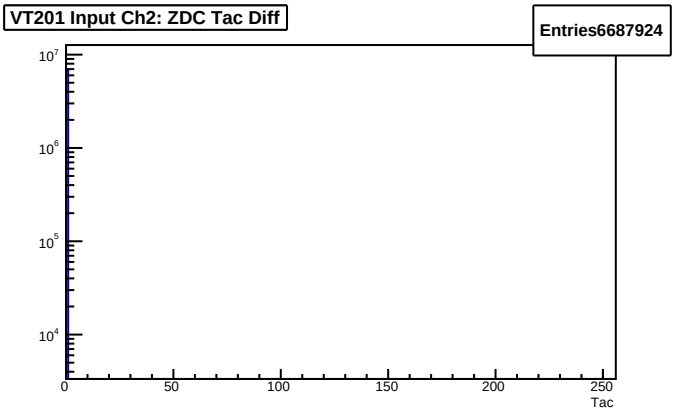

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

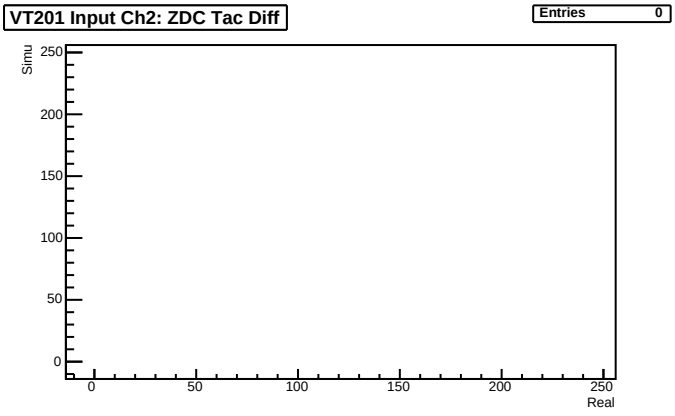

VT201 Input Ch1: EPD Tac Diff
Entries6687924
Tac

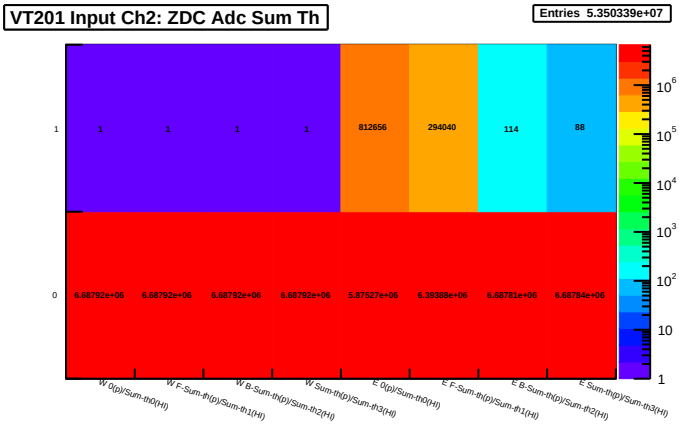

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

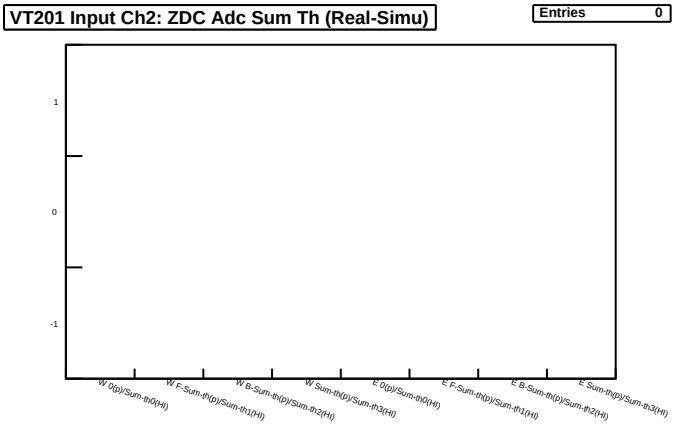

VT201 Input Ch1: EPD Hit Count Th
Entries 1.337585e+07
5.75783e+06
1.39311e+06
930092
5.29481e+06
East
West

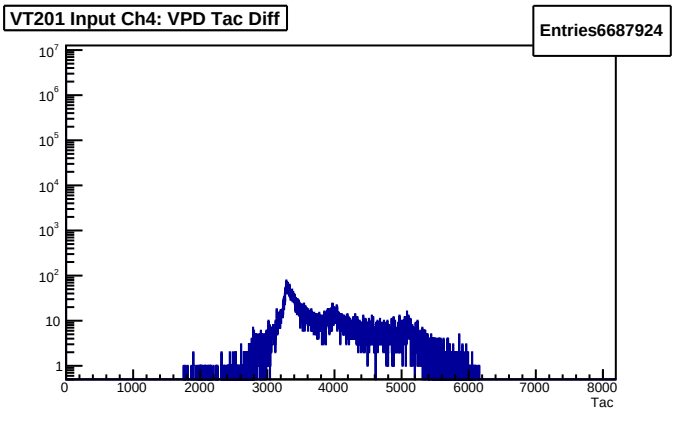

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

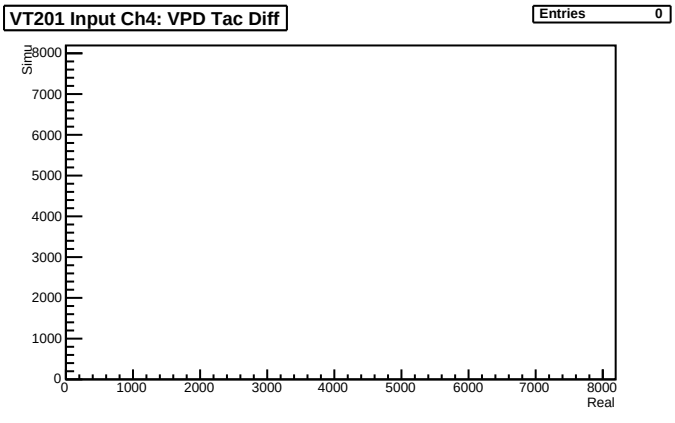

VT201 Input Ch2: ZDC Tac Diff
Entries6687924
Tac

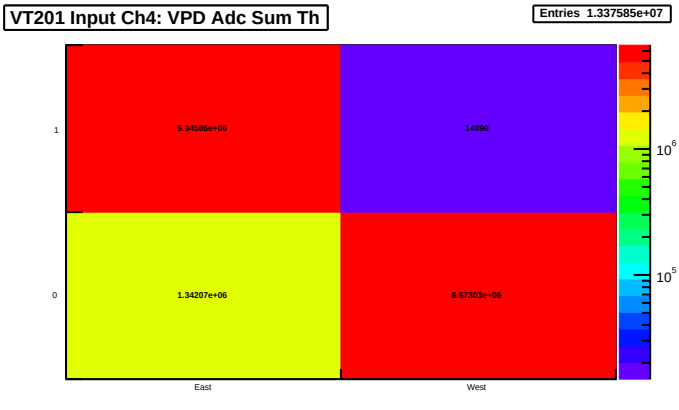

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

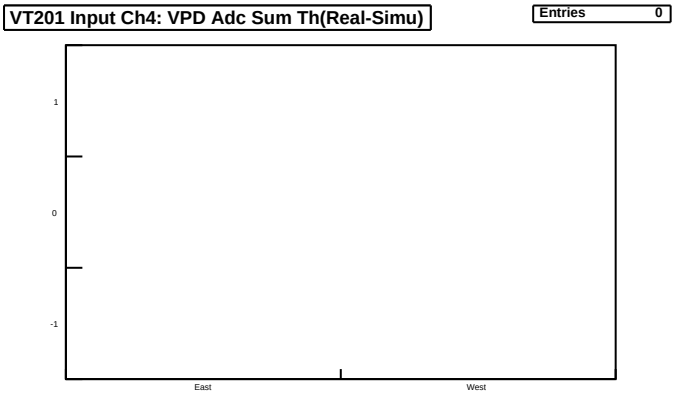

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5.350339e+07
1
1
1
1
812656
294040
114
88
6.68792e+06
6.68792e+06
6.68792e+06
6.68792e+06
5.87527e+06
6.39388e+06
6.68781e+06
6.68784e+06
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

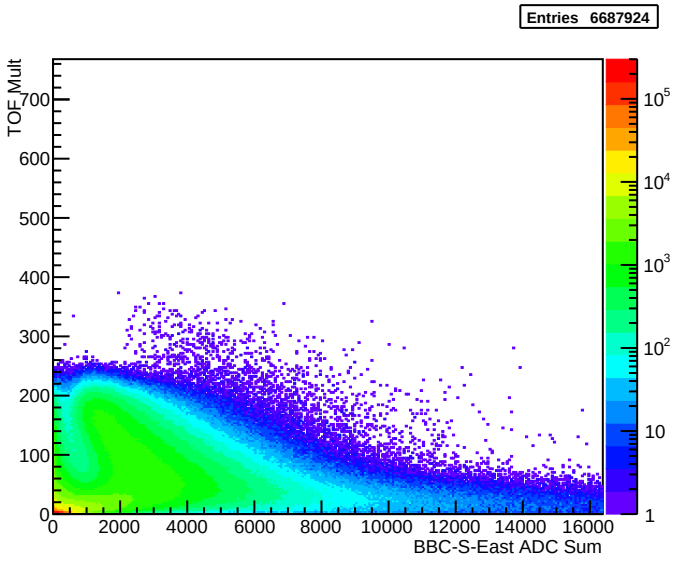

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

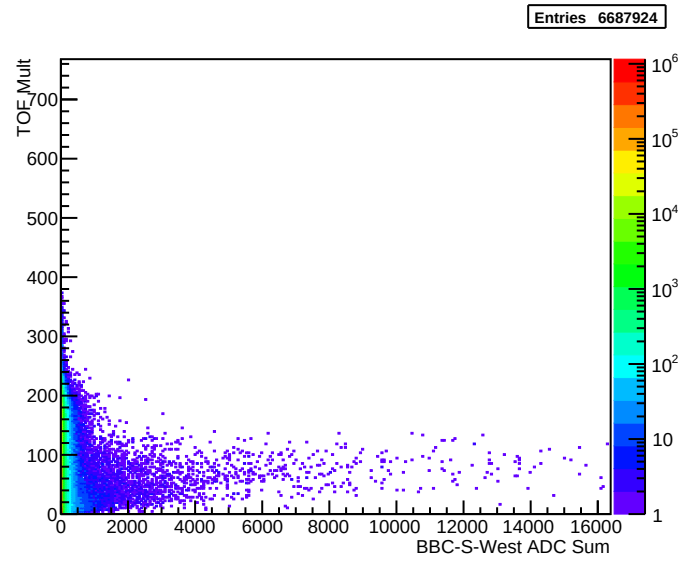

VT201 Input Ch4: VPD Tac Diff
Entries6687924
Tac

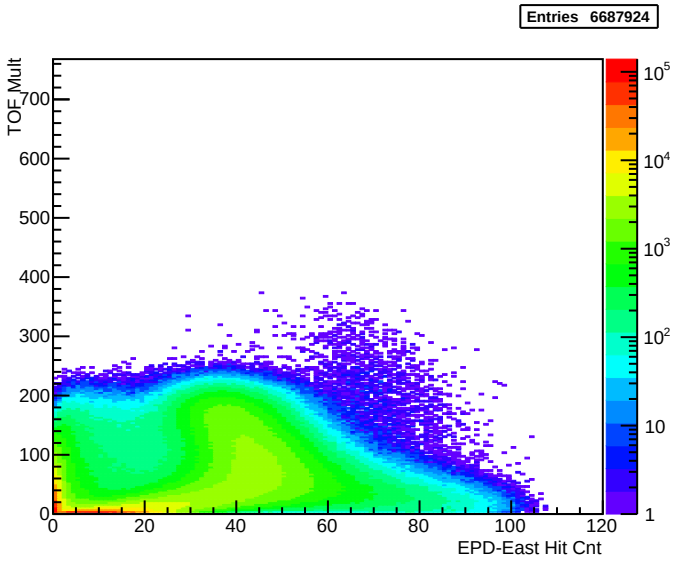

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

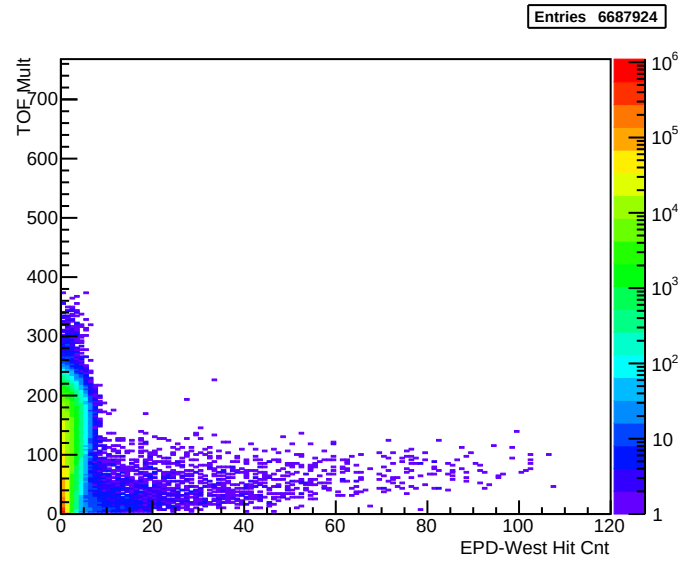

VT201 Input Ch4: VPD Adc Sum Th
Entries 1.337585e+07
5.34588e+06
14890
1.34207e+06
6.67303e+06
East
West

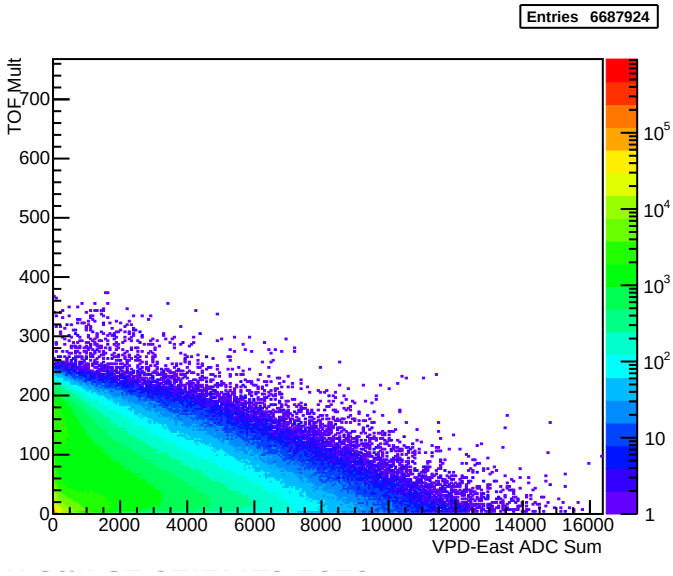

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

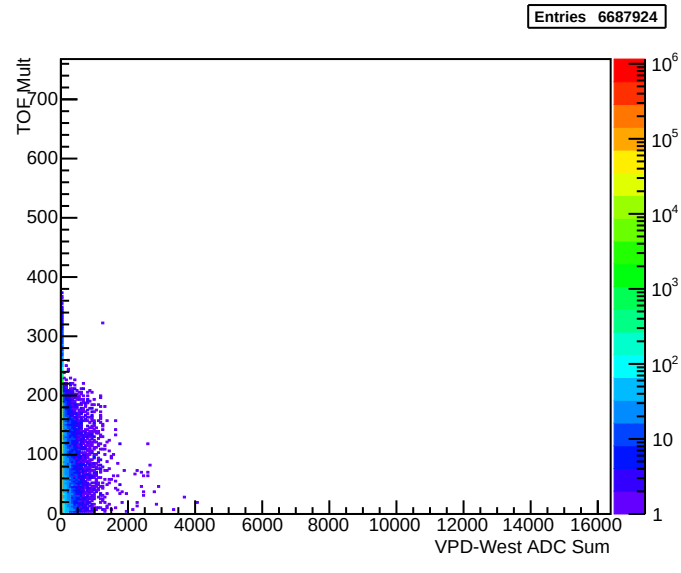

Entries 6687924
TOF_Mult
BBC-S-East ADC Sum

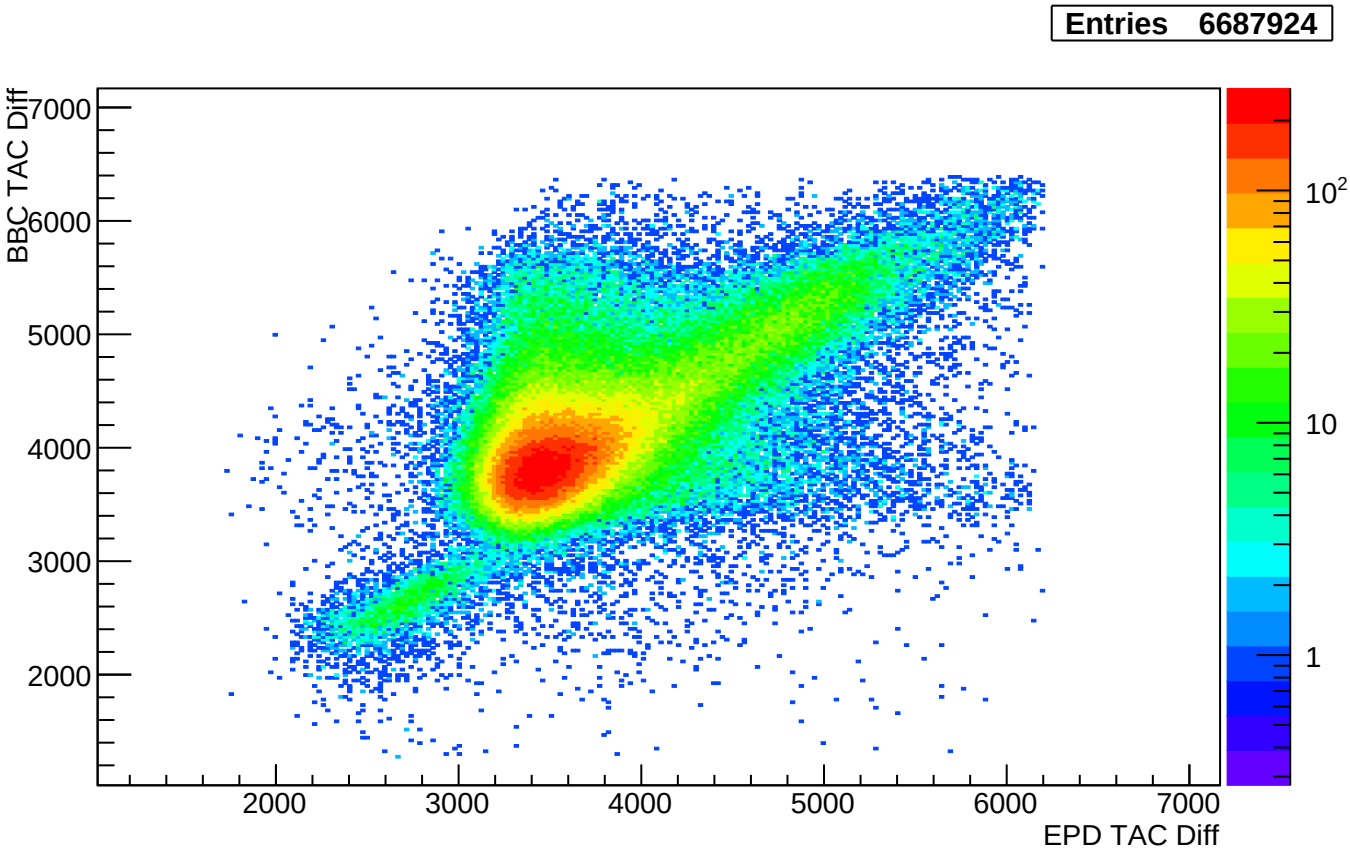

Entries 6687924
TOF_Mult
BBC-S-West ADC Sum

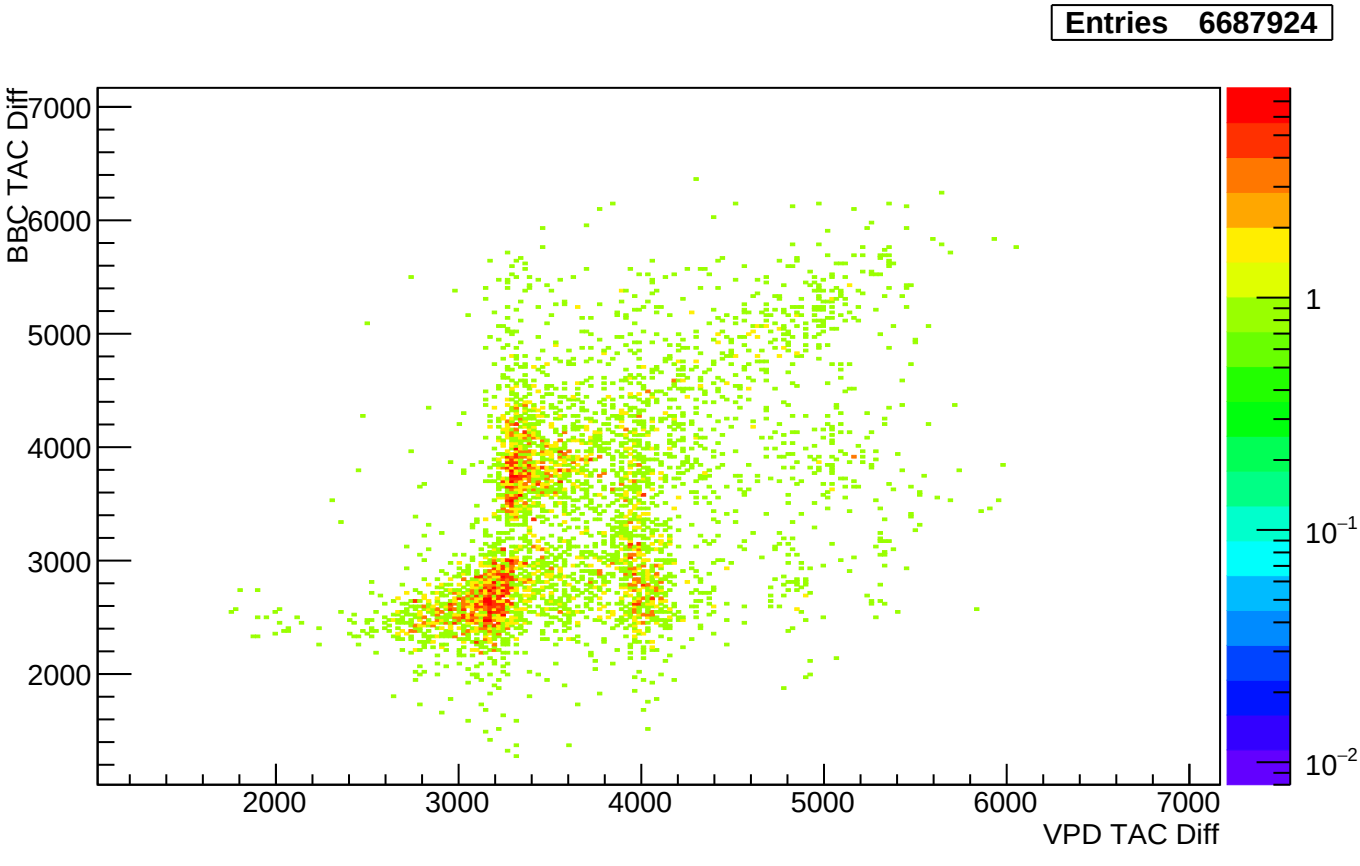

Entries 6687924
TOF_Mult
EPD-East Hit Cnt

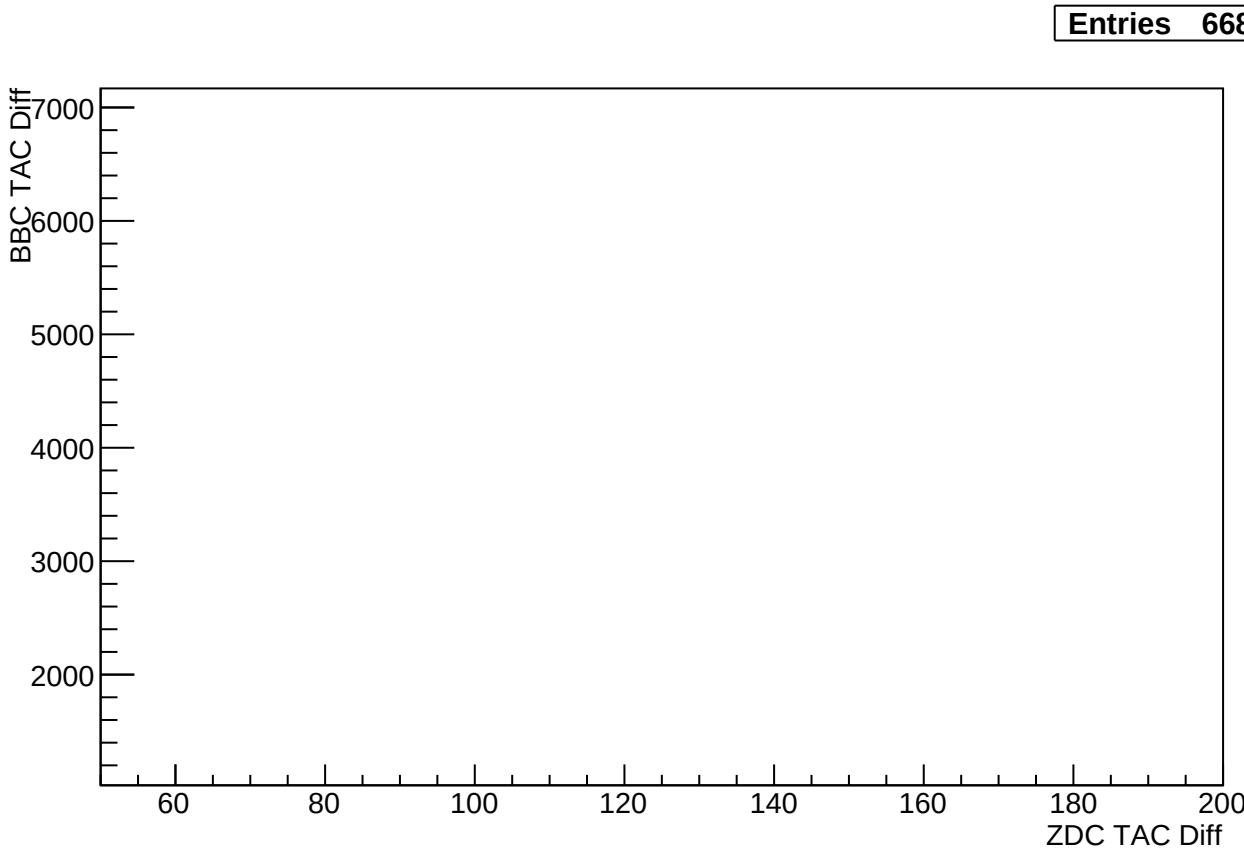

Entries 6687924
TOF_Mult
EPD-West Hit Cnt

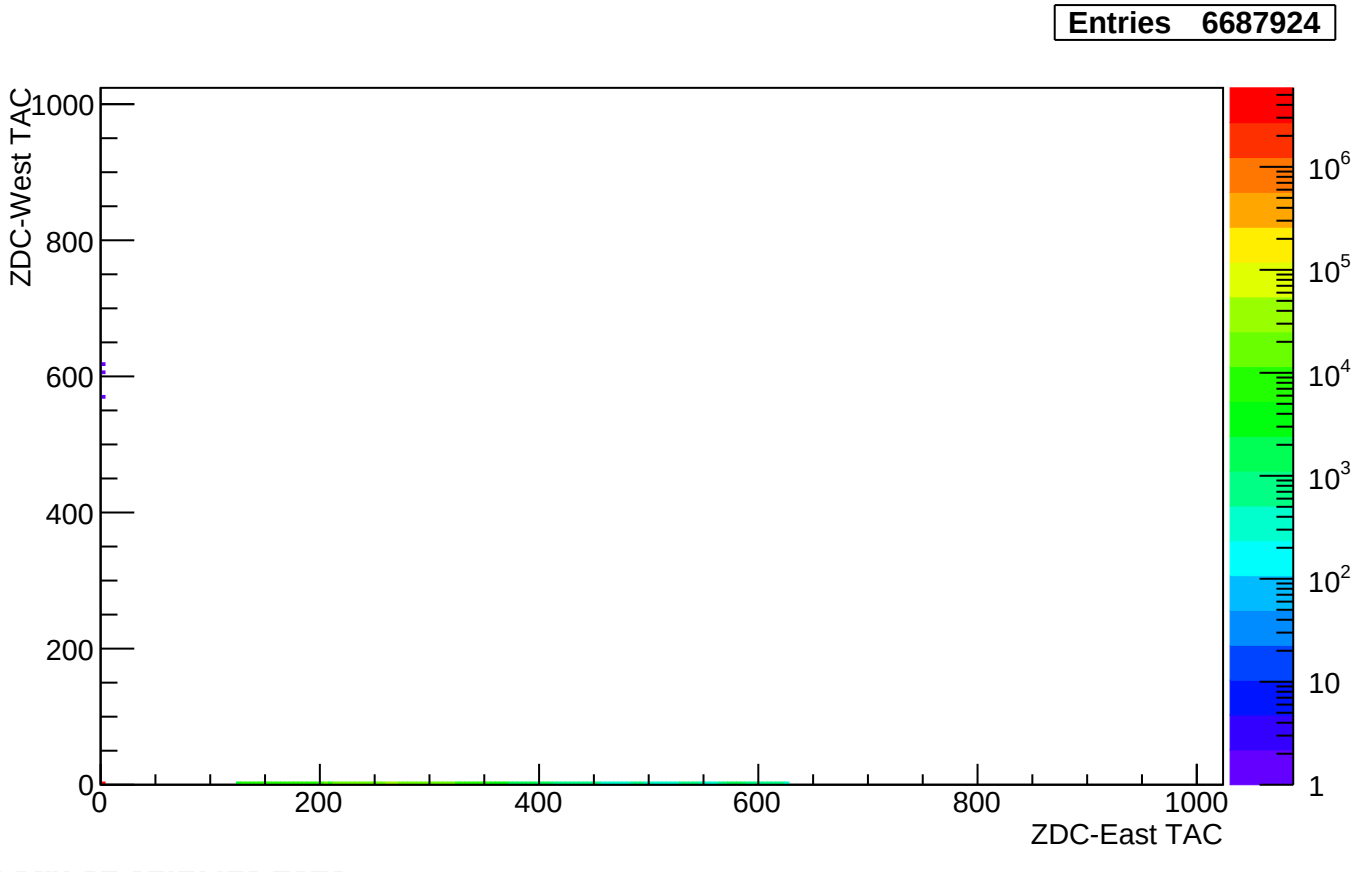

Entries 6687924
TOF_Mult
VPD-East ADC Sum

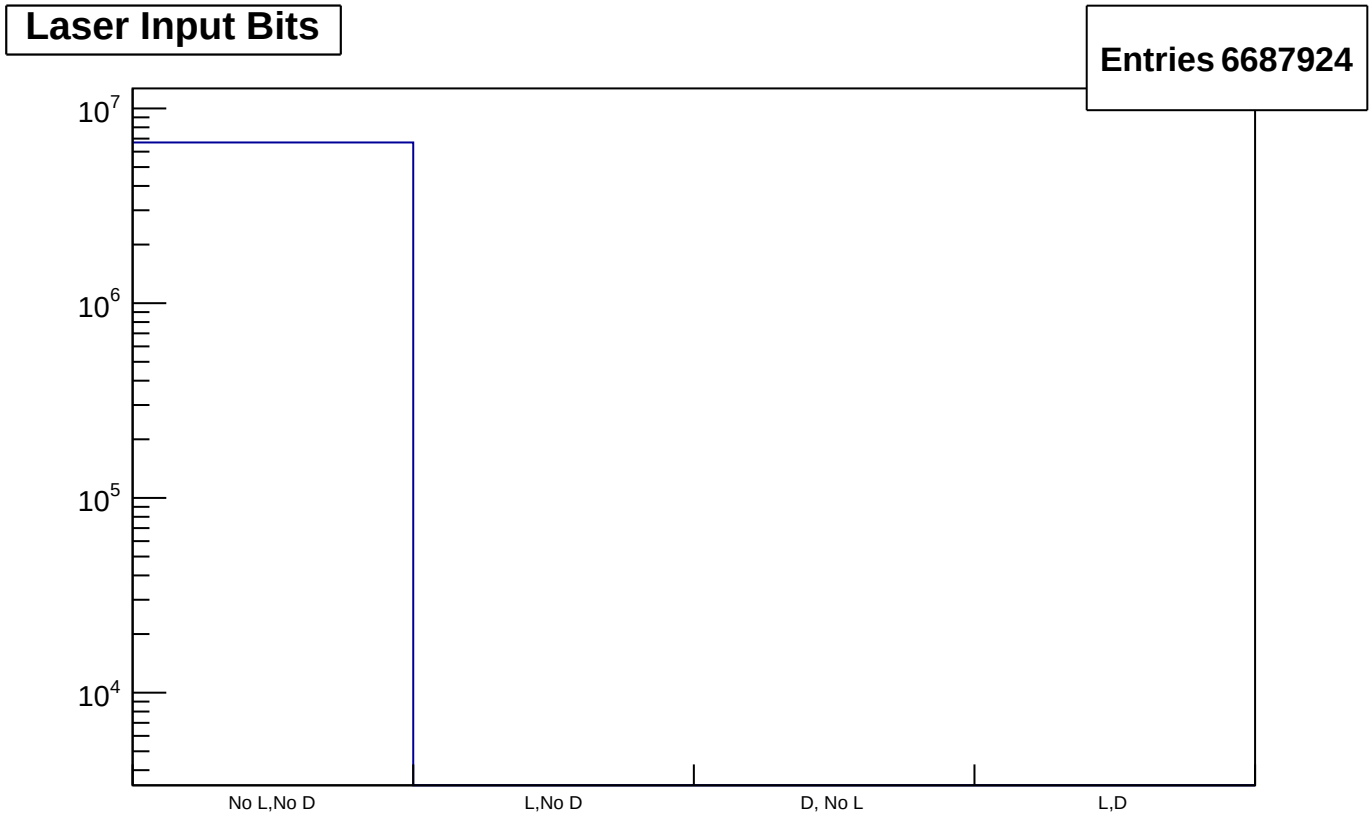

Entries 6687924
TOF_Mult
VPD-West ADC Sum

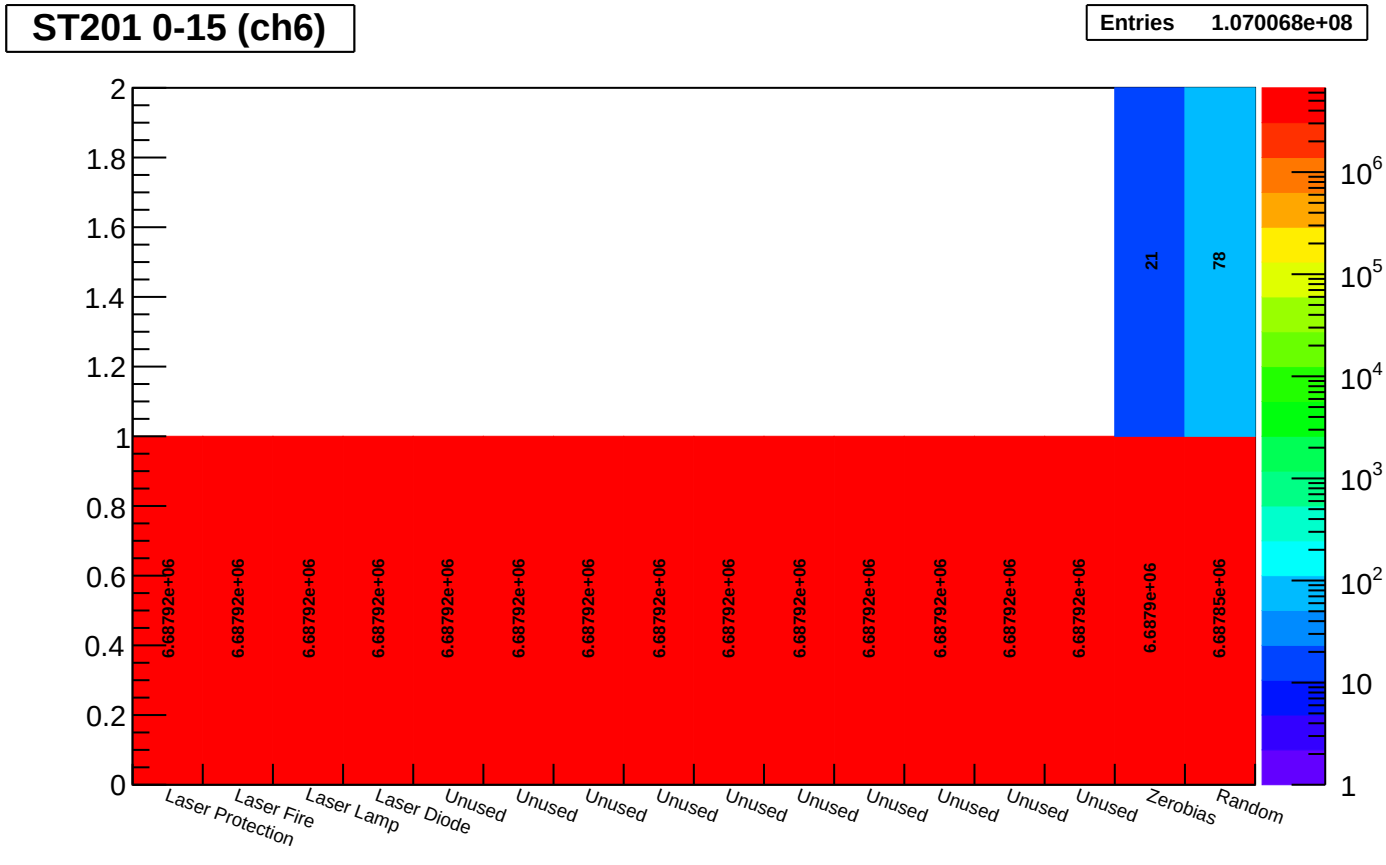

Entries 6687924
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

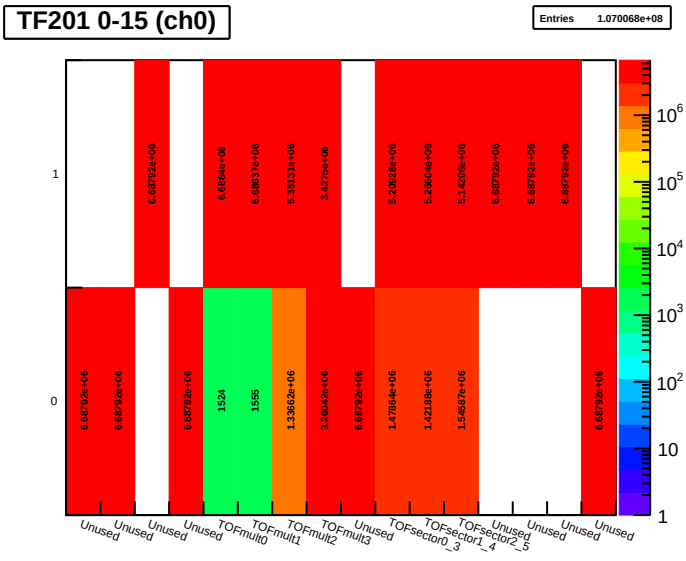

Entries 6687924
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

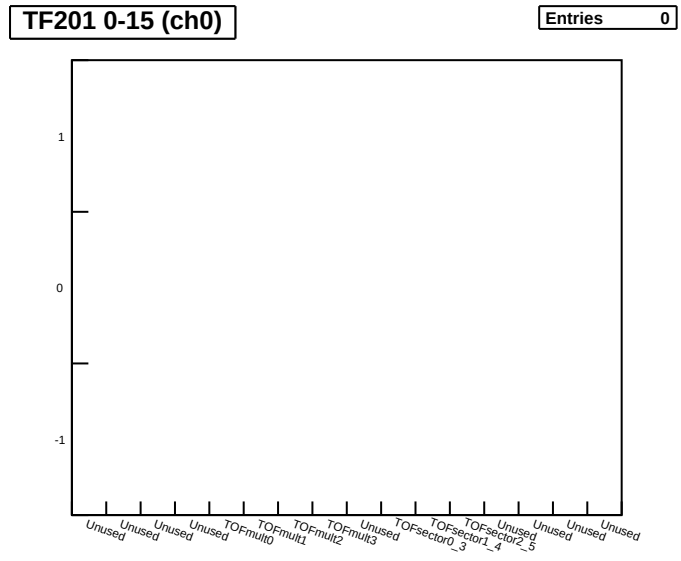

Entries 6687924
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff

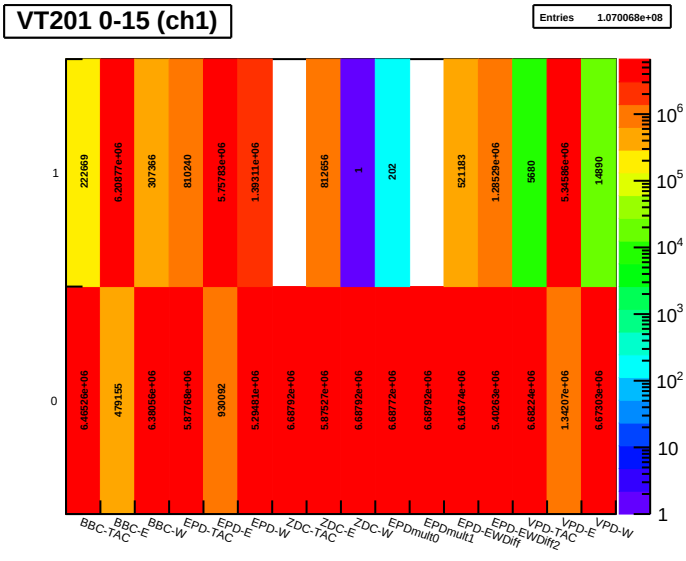

Entries 6687924
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^6
10^5
10^4
10^3
10^2
10
1

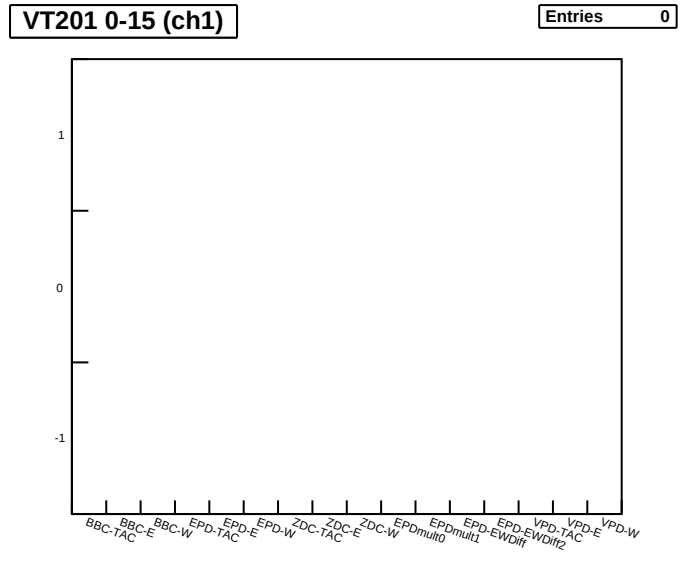

Laser Input Bits
Entries 6687924
10^7
10^6
10^5
10^4
No L,No D
L,No D
D, No L
L,D

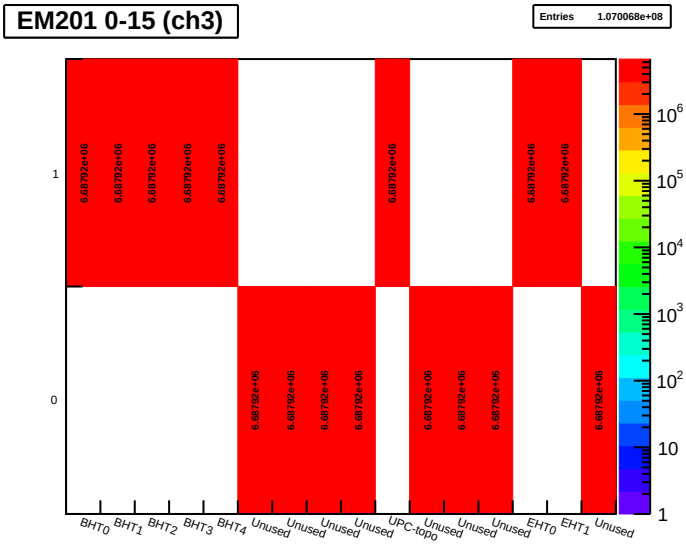

ST201 0-15 (ch6)
Entries 1.070068e+08
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
21
78
6.68792e+06
6.6879e+06
6.68785e+06
10^6
10^5
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

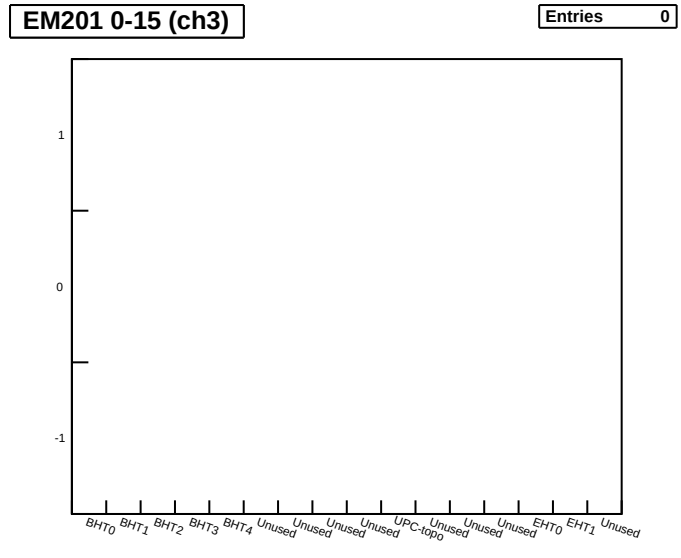

TF201 0-15 (ch0)
Entries 1.070068e+08
1
0
6.68792e+06
6.68792e+06
6.68792e+06
6.6864e+06
6.68637e+06
5.35131e+06
3.4275e+06
1524
1555
1.33662e+06
3.26042e+06
6.68792e+06
1.47864e+06
1.42188e+06
1.54587e+06
5.20928e+06
5.26504e+06
5.14206e+06
6.68792e+06
6.68792e+06
6.68792e+06
6.68792e+06
Unused
Unused
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 1.070068e+08
1
0
222669
6.20877e+06
307366
810240
5.75783e+06
1.39311e+06
812656
1
202
521183
1.28529e+06
5680
5.34586e+06
14690
6.46526e+06
479155
6.30056e+06
5.87768e+06
930092
5.23481e+06
6.68792e+06
5.87527e+06
6.68792e+06
6.68772e+06
6.68792e+06
6.16674e+06
5.40263e+06
6.68224e+06
1.34207e+06
6.67303e+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 1.070068e+08
1
0
6.68792e+06
6.68792e+06
6.68792e+06
6.68792e+06
6.68792e+06
6.68792e+06
6.68792e+06
6.68792e+06
6.68792e+06
6.68792e+06
6.68792e+06
6.68792e+06
6.68792e+06
6.68792e+06
6.68792e+06
6.68792e+06
6.68792e+06
6.68792e+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