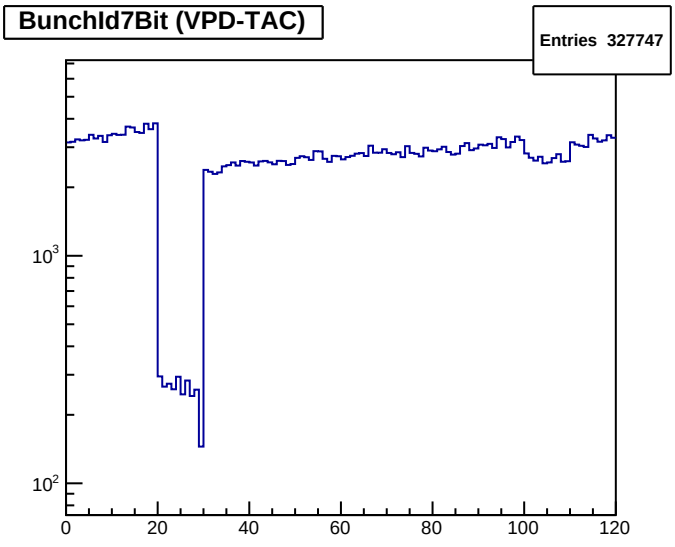
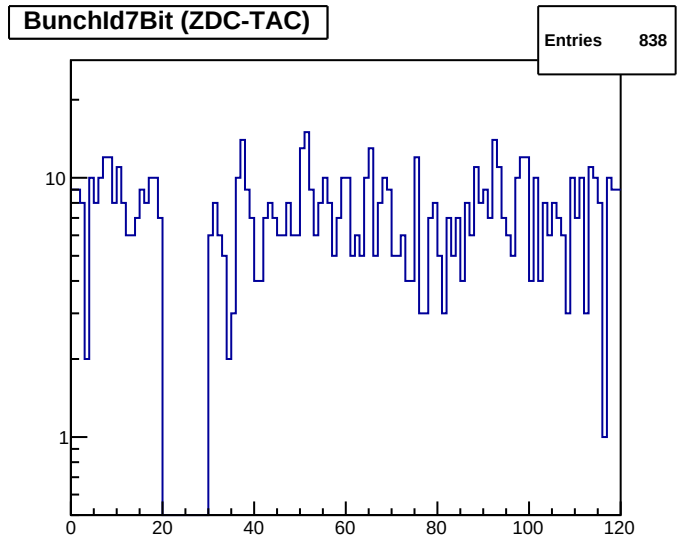
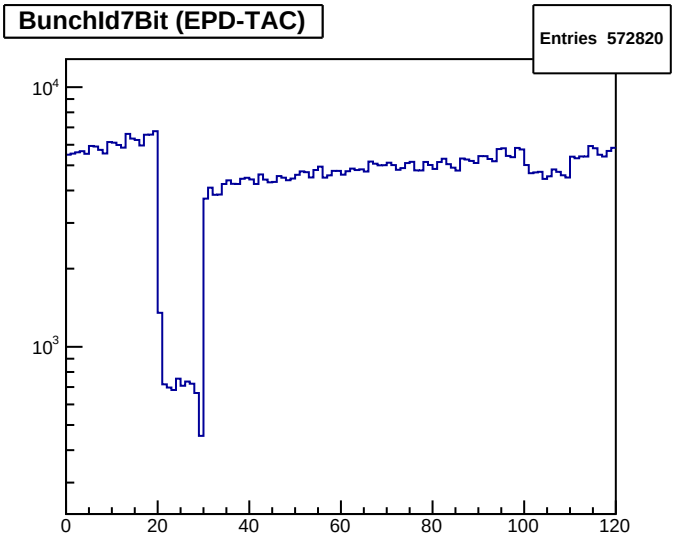
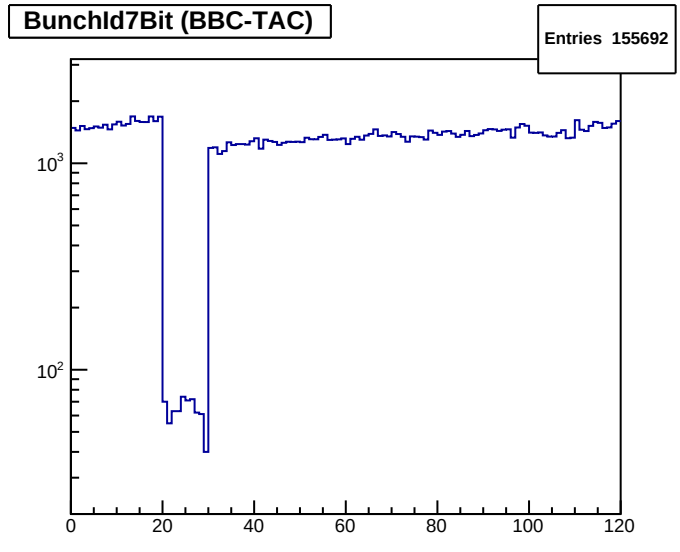
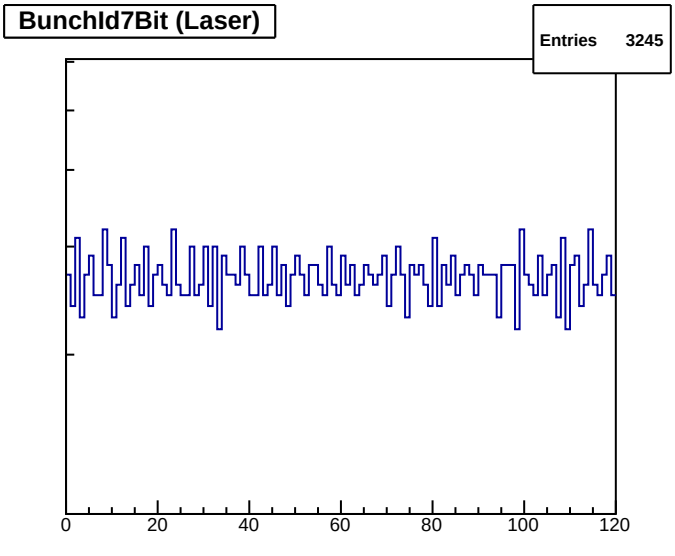
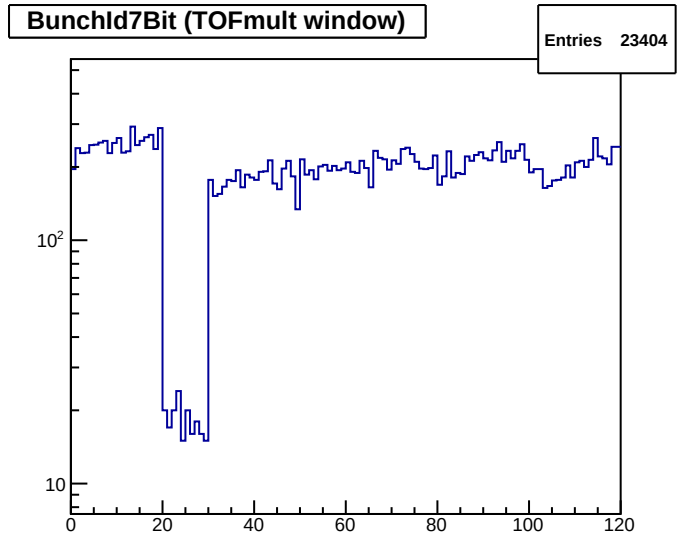

BunchId7Bit (VPD-TAC)
Entries 327747
10^3
10^2
0 20 40 60 80 100 120

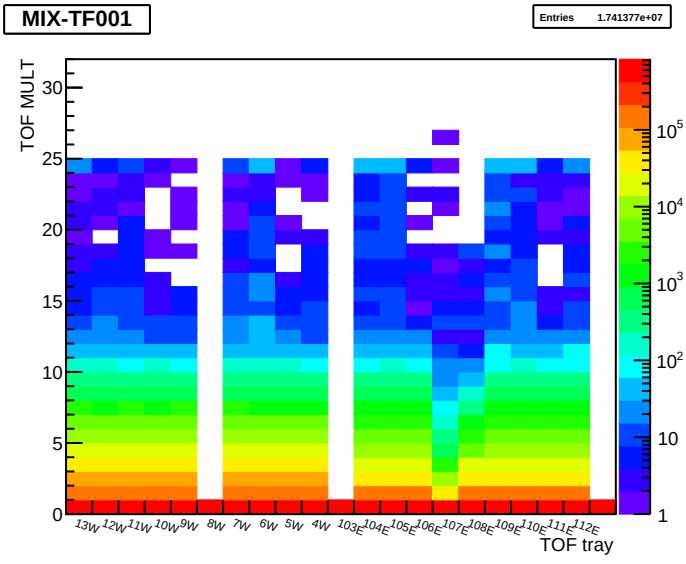

BunchId7Bit (ZDC-TAC)
Entries 838
10
1
0 20 40 60 80 100 120

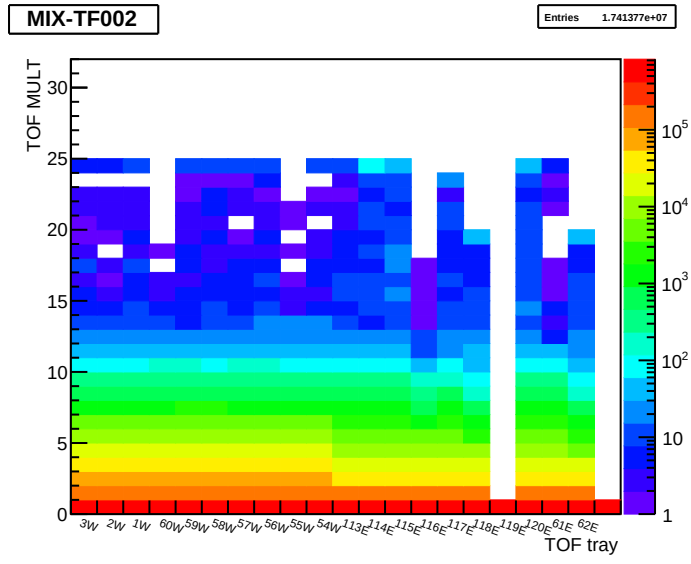

BunchId7Bit (EPD-TAC)
Entries 572820
10^4
10^3
0 20 40 60 80 100 120

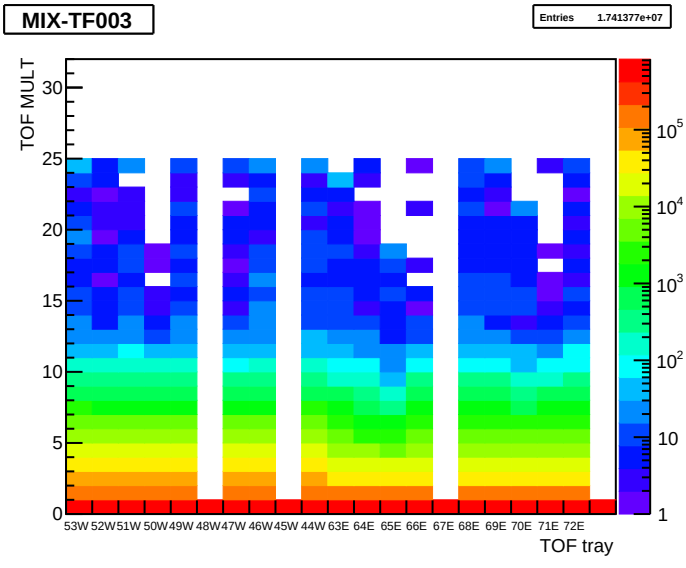

BunchId7Bit (BBC-TAC)
Entries 155692
10^3
10^2
0 20 40 60 80 100 120

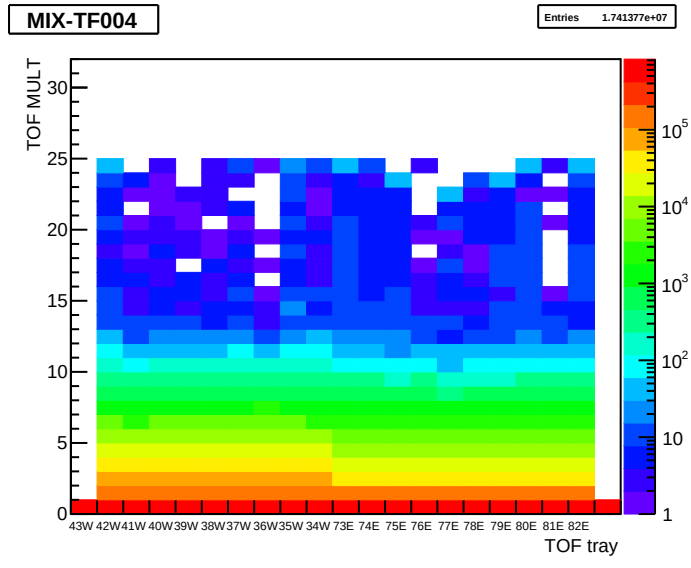

BunchId7Bit (Laser)
Entries 3245
0 20 40 60 80 100 120

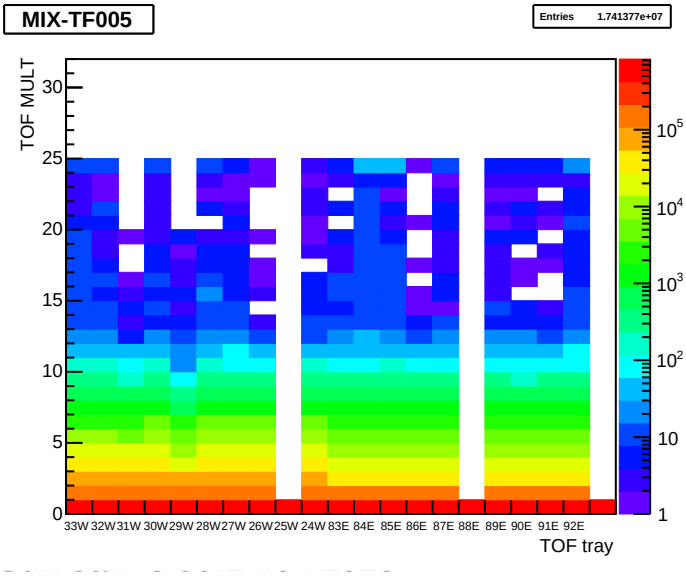

BunchId7Bit (TOFmult window)
Entries 23404
10^2
10
0 20 40 60 80 100 120

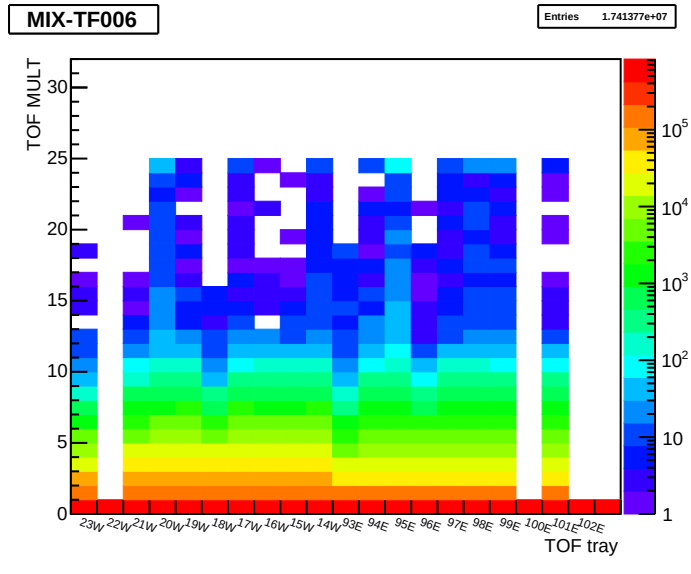

MIX-TF001
Entries 1.741377e+07
TOF MULT
TOF tray

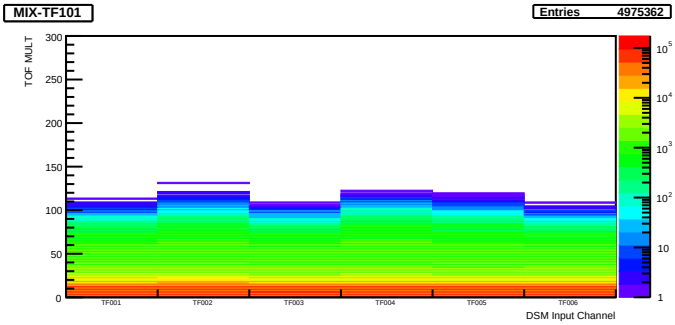

MIX-TF002
Entries 1.741377e+07
TOF MULT
TOF tray

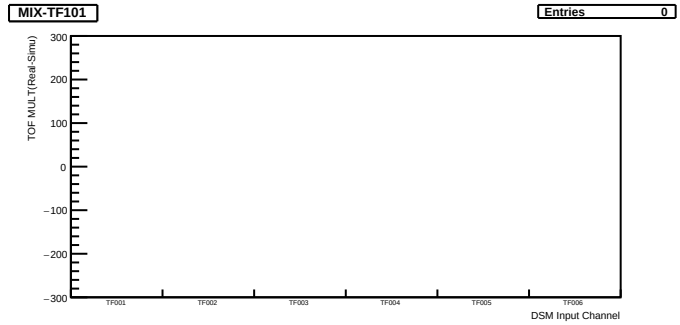

MIX-TF003
Entries 1.741377e+07
TOF MULT
TOF tray

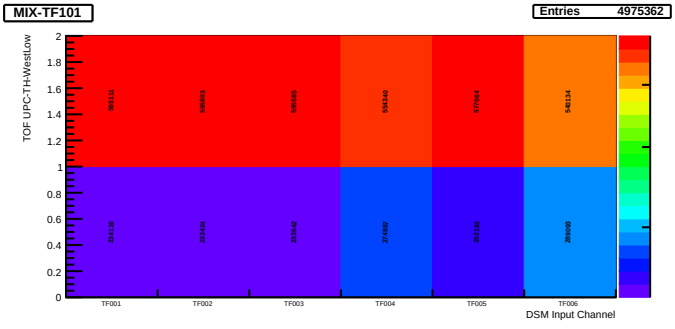

MIX-TF004
Entries 1.741377e+07
TOF MULT
TOF tray

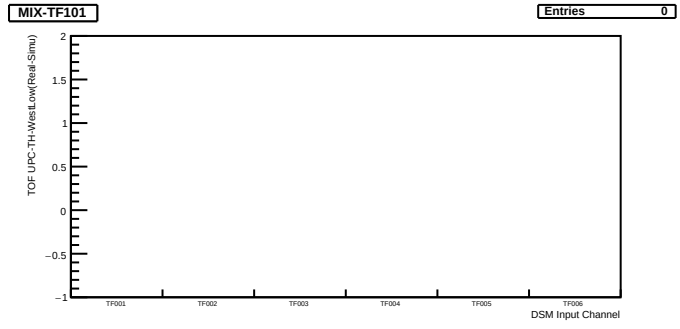

MIX-TF005
Entries 1.741377e+07
TOF MULT
TOF tray

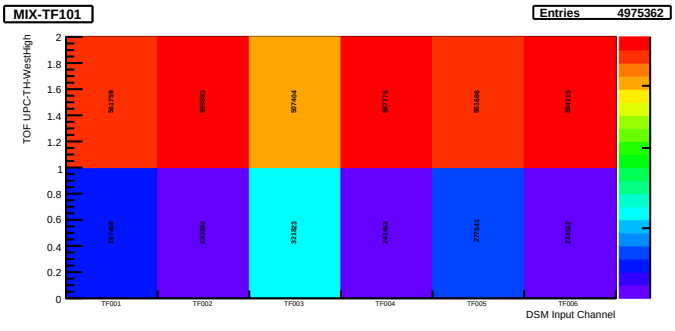

MIX-TF006
Entries 1.741377e+07
TOF MULT
TOF tray

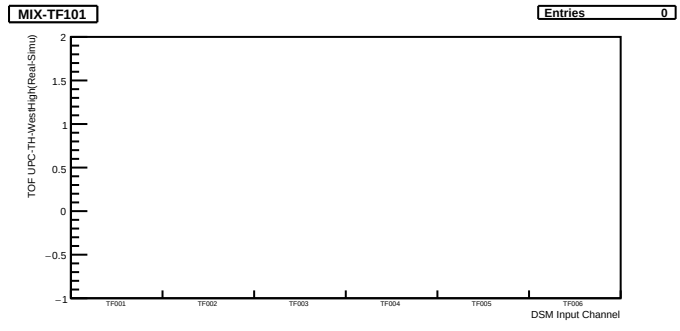

MIX-TF101
Entries 4975362
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

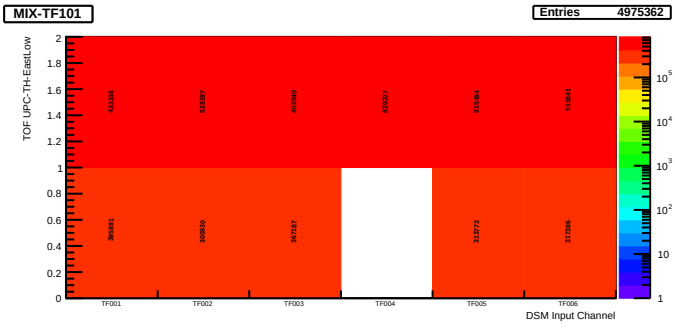

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

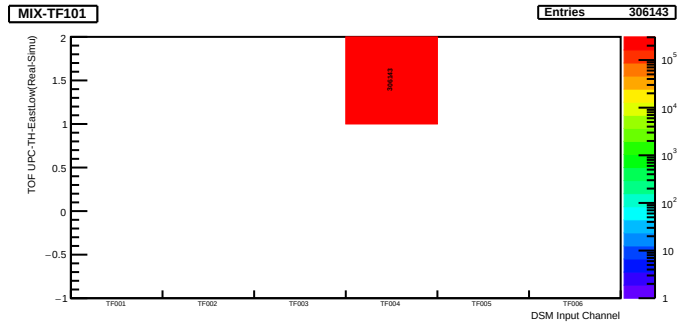

MIX-TF101
Entries 4975362
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

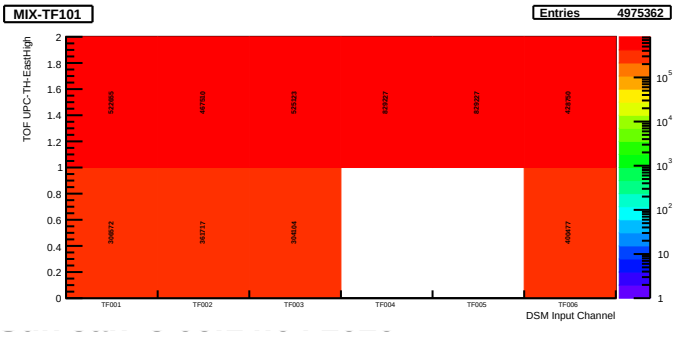

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

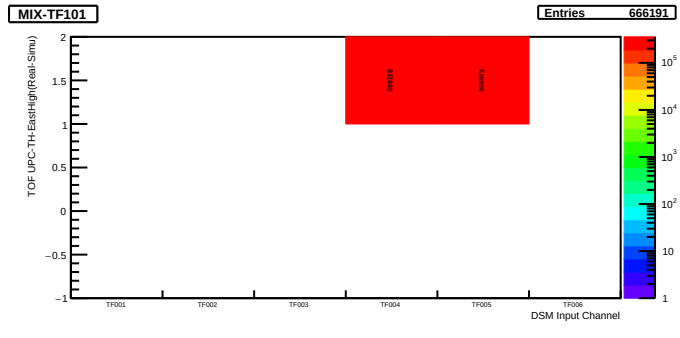

MIX-TF101
Entries 4975362
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

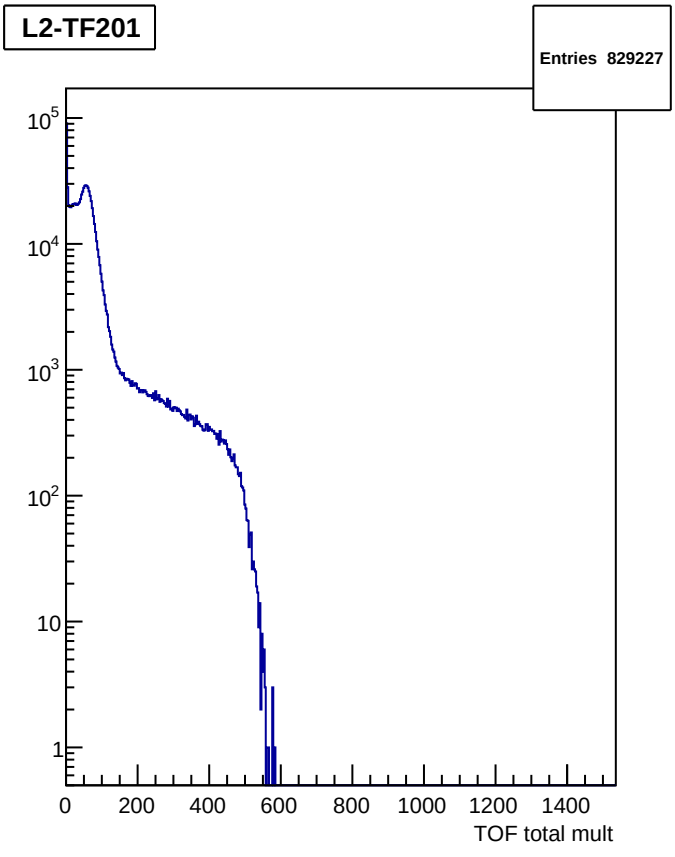

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

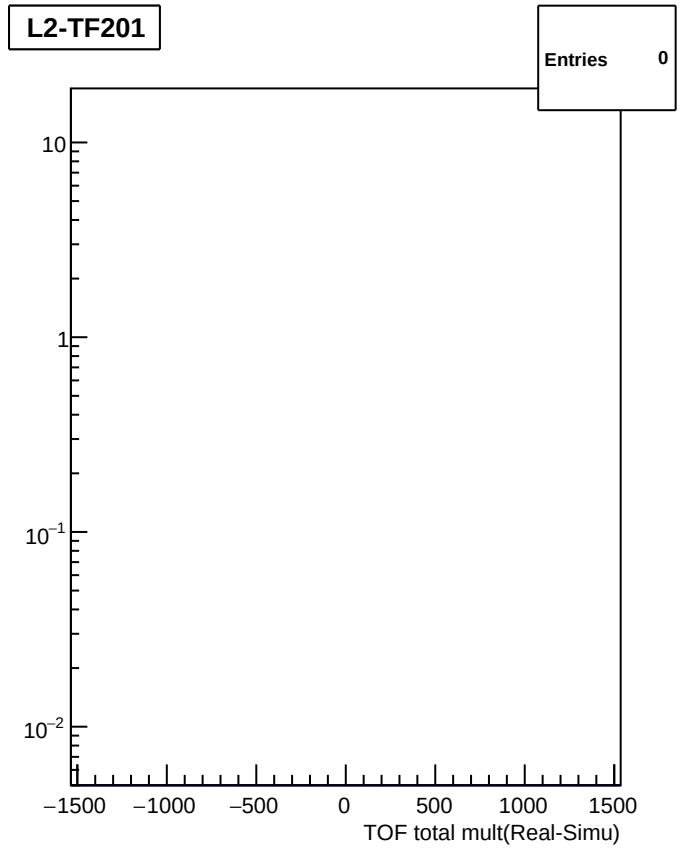

MIX-TF101
Entries 4975362
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

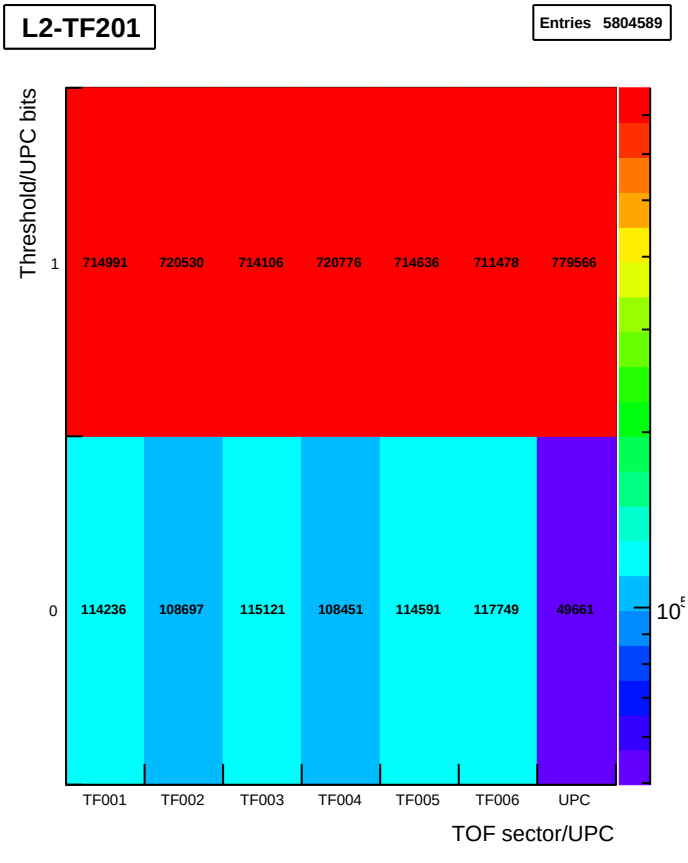

MIX-TF101
Entries 306143
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

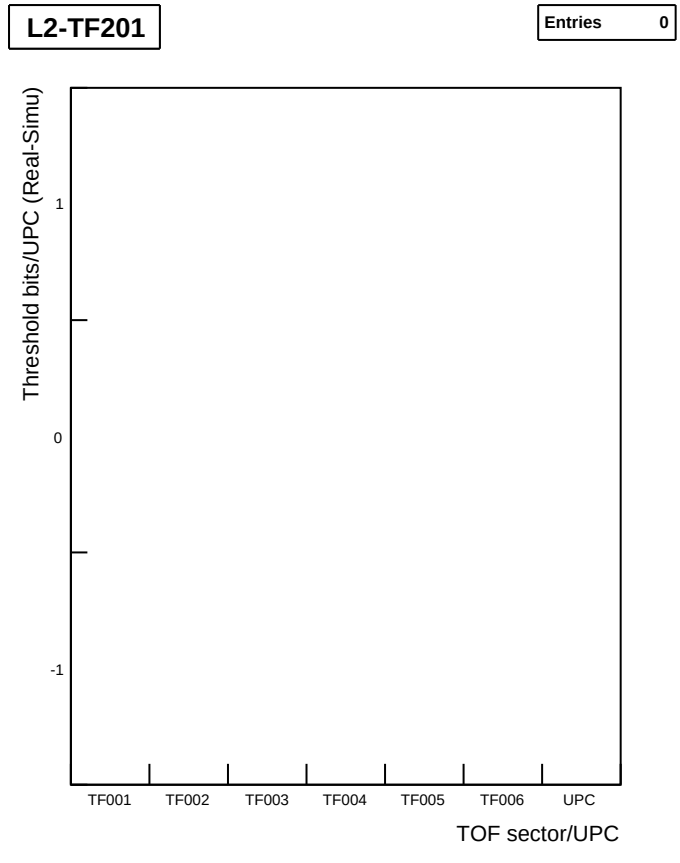

MIX-TF101
Entries 4975362
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

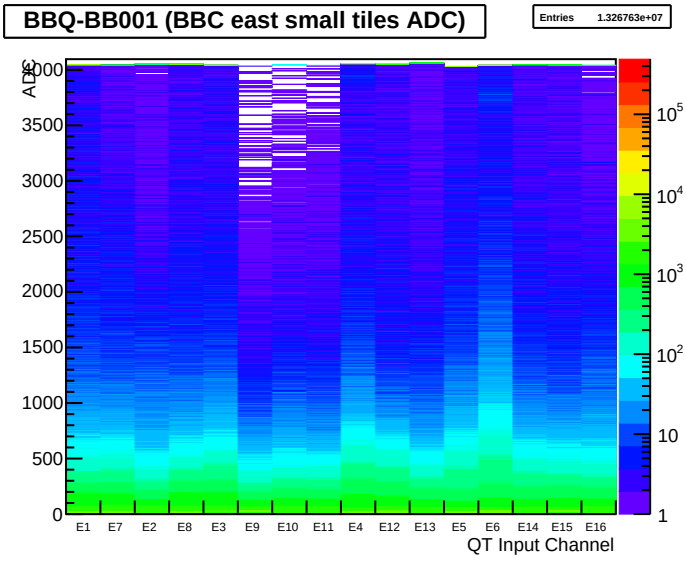

MIX-TF101
Entries 666191
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

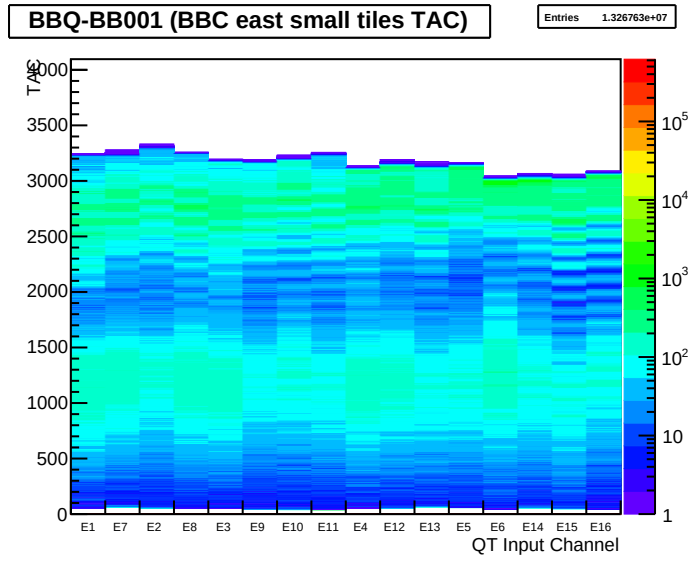

L2-TF201
Entries 829227
TOF total mult

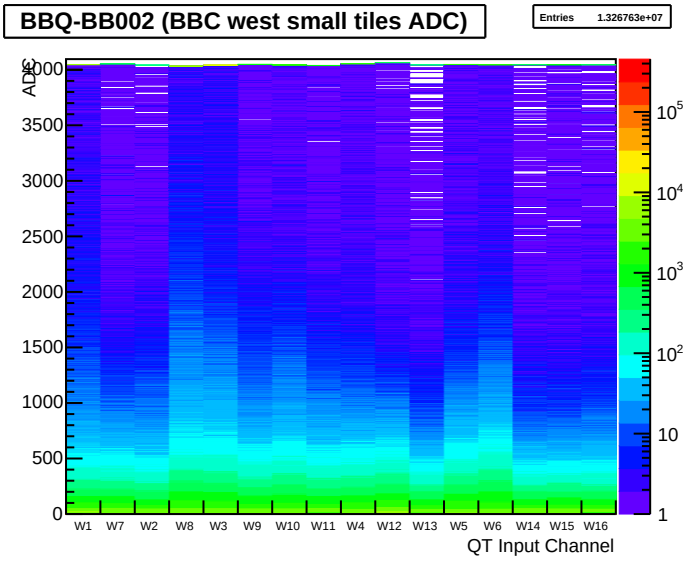

L2-TF201
Entries 0
TOF total mult(Real-Simu)

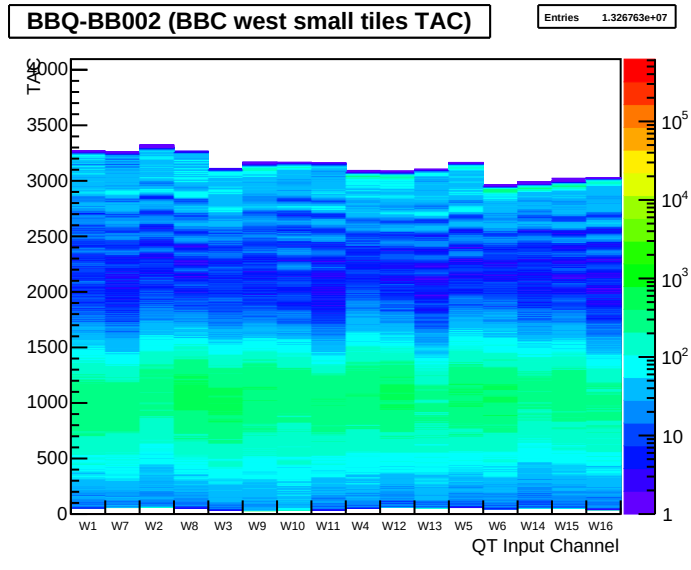

L2-TF201
Entries 5804589
Threshold/UPC bits
714991
720530
714106
720776
714636
711478
779566
114236
108697
115121
108451
114591
117749
49661
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

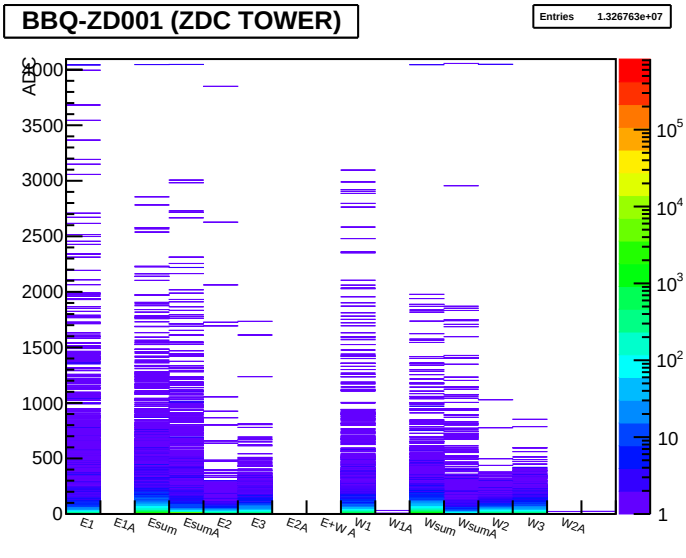

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

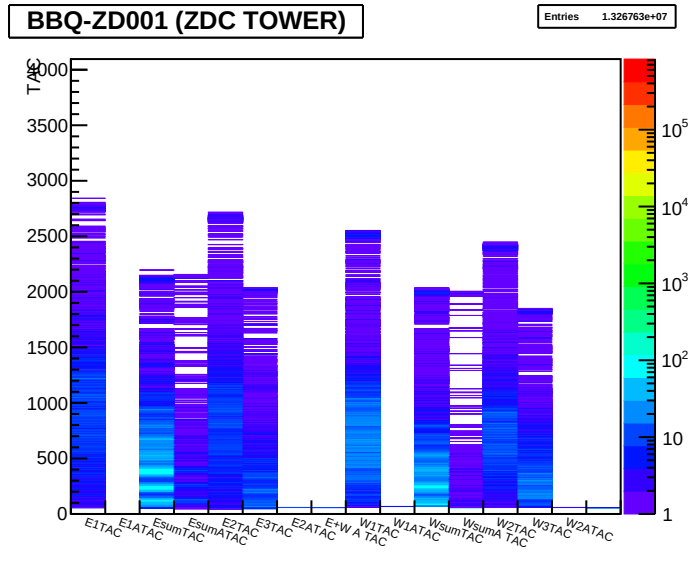

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.326763e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

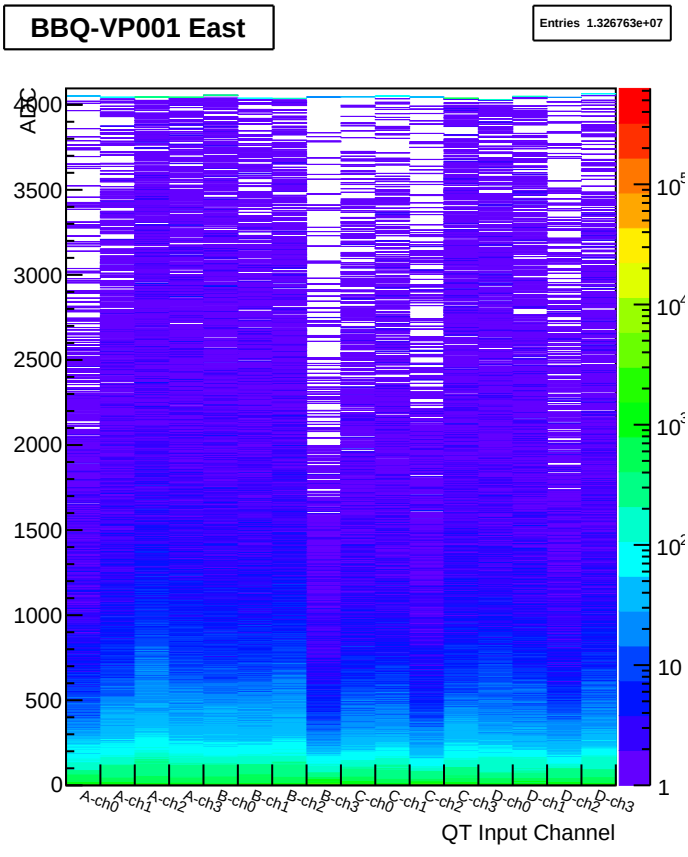

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.326763e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

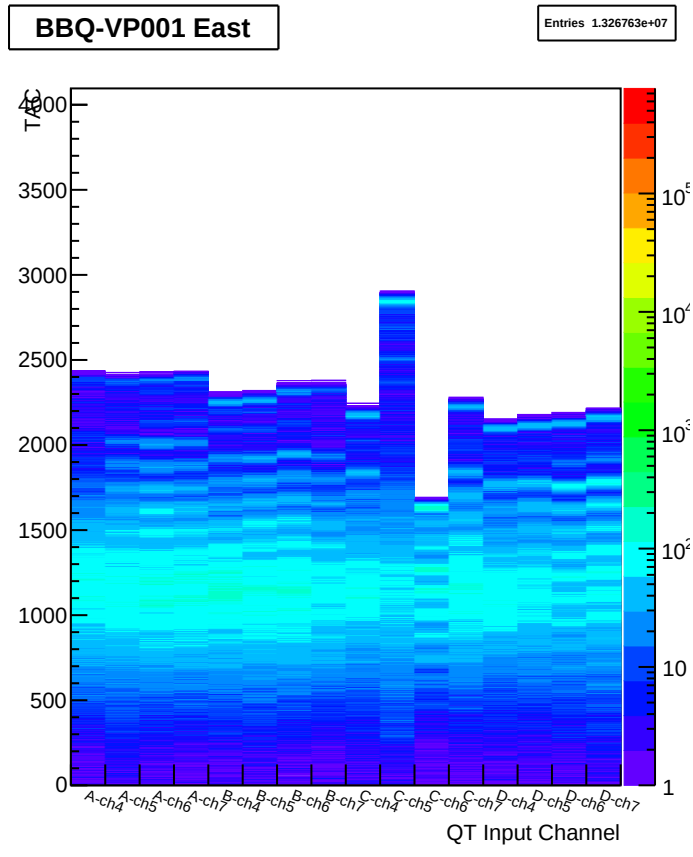

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.326763e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

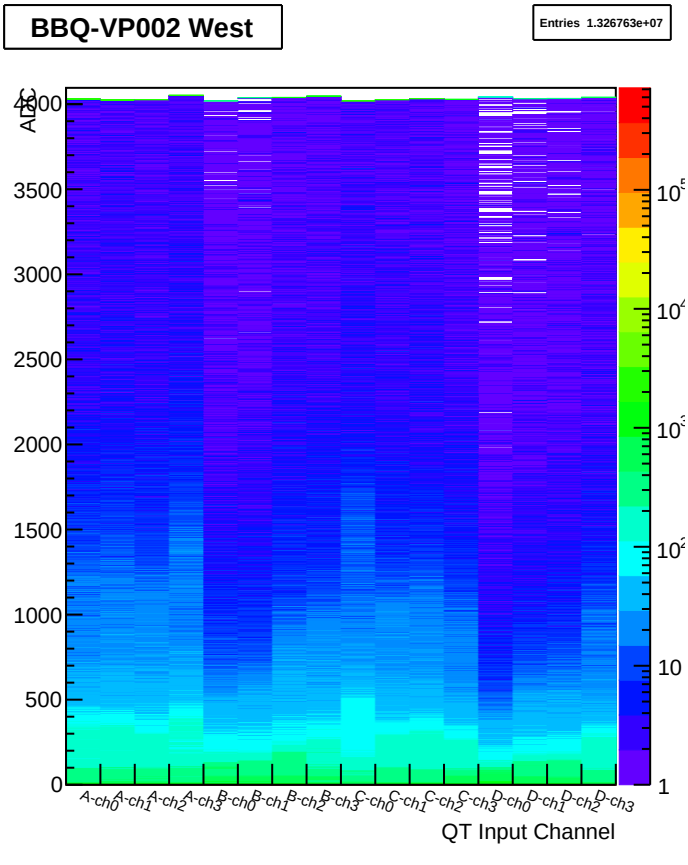

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.326763e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

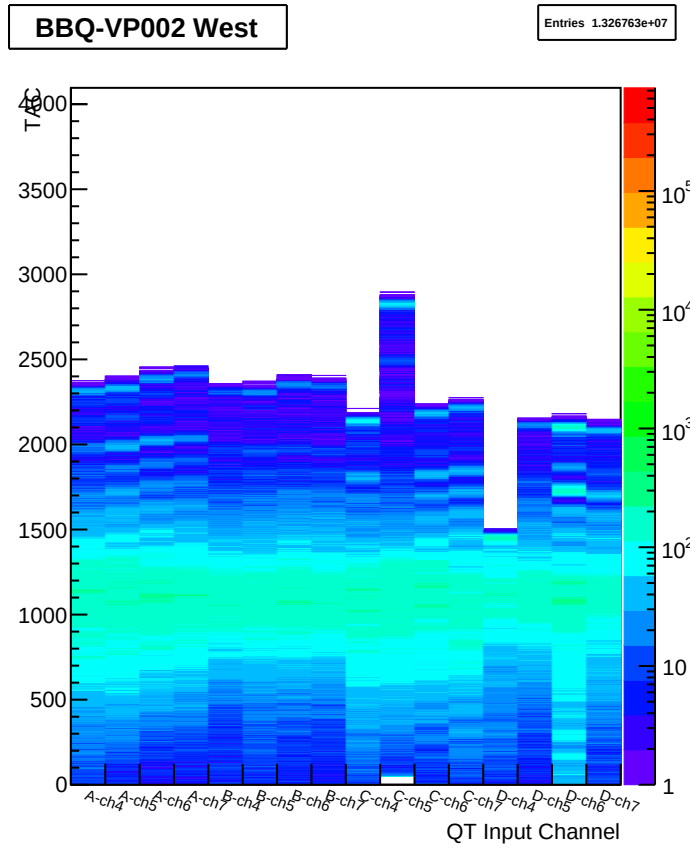

BBQ-ZD001 (ZDC TOWER)
Entries 1.326763e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

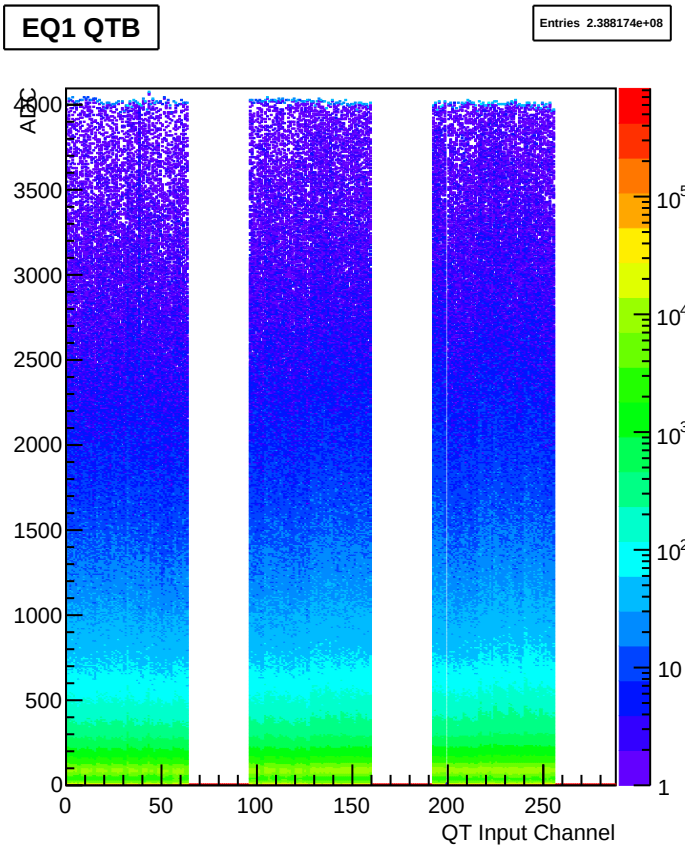

BBQ-ZD001 (ZDC TOWER)
Entries 1.326763e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

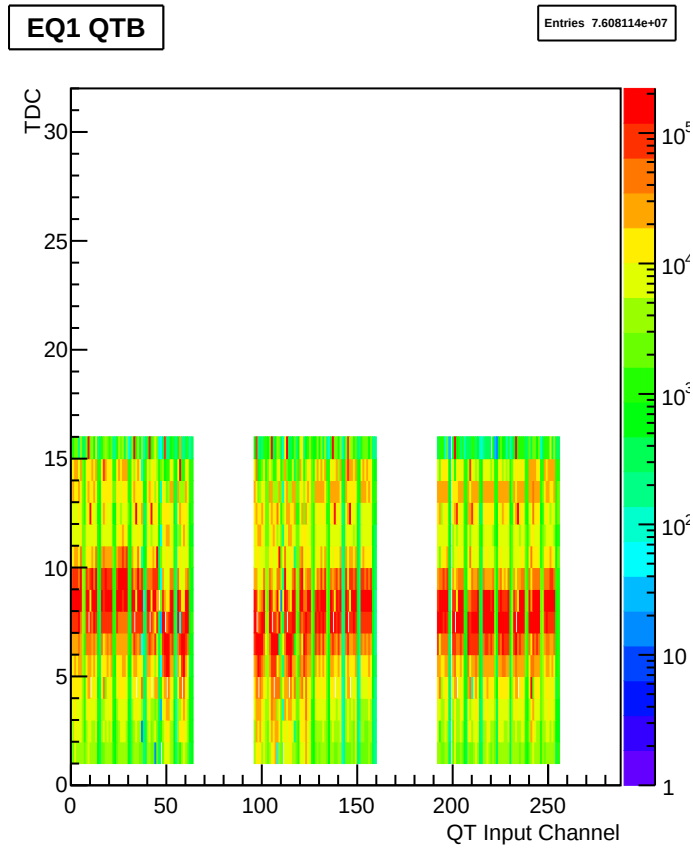

BBQ-VP001 East
Entries 1.326763e+07
ADC
QT Input Channel

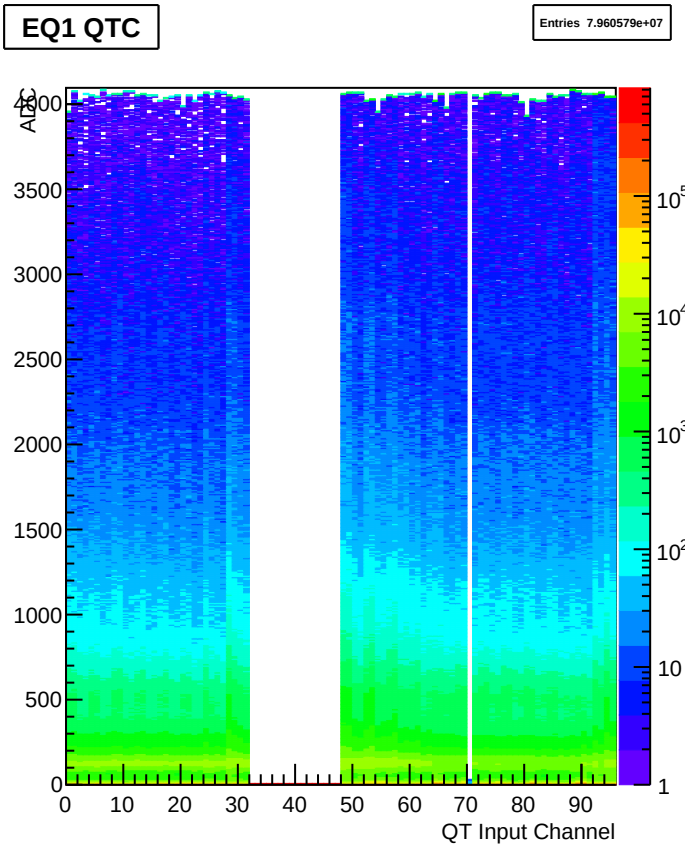

BBQ-VP001 East
Entries 1.326763e+07
TADC
QT Input Channel

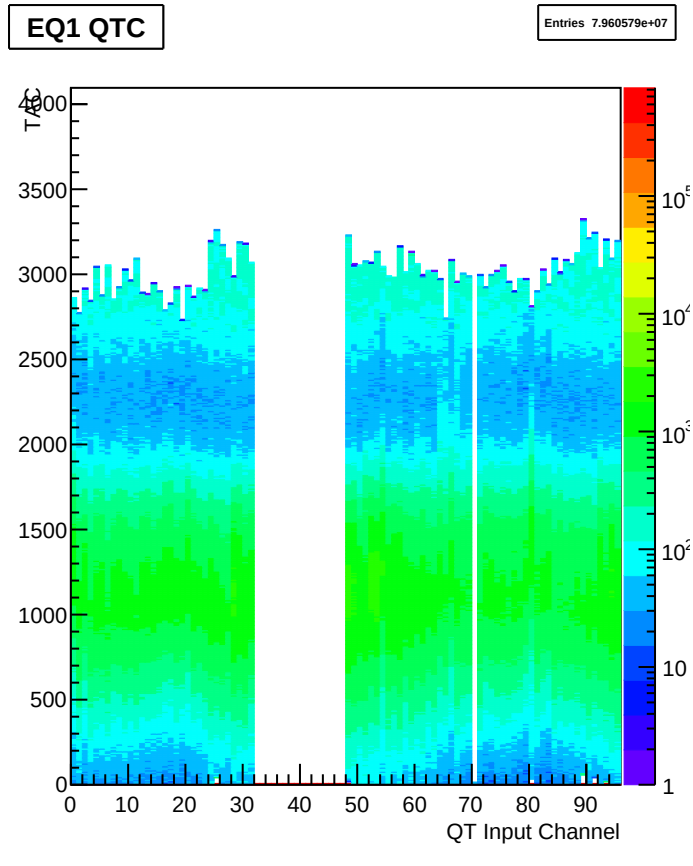

BBQ-VP002 West
Entries 1.326763e+07
ADC
QT Input Channel

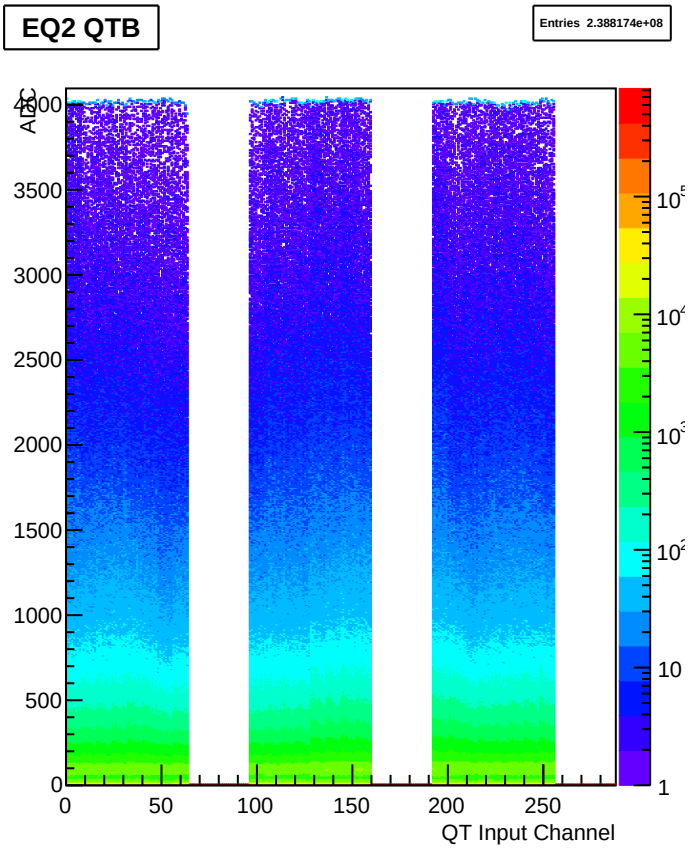

BBQ-VP002 West
Entries 1.326763e+07
TADC
QT Input Channel

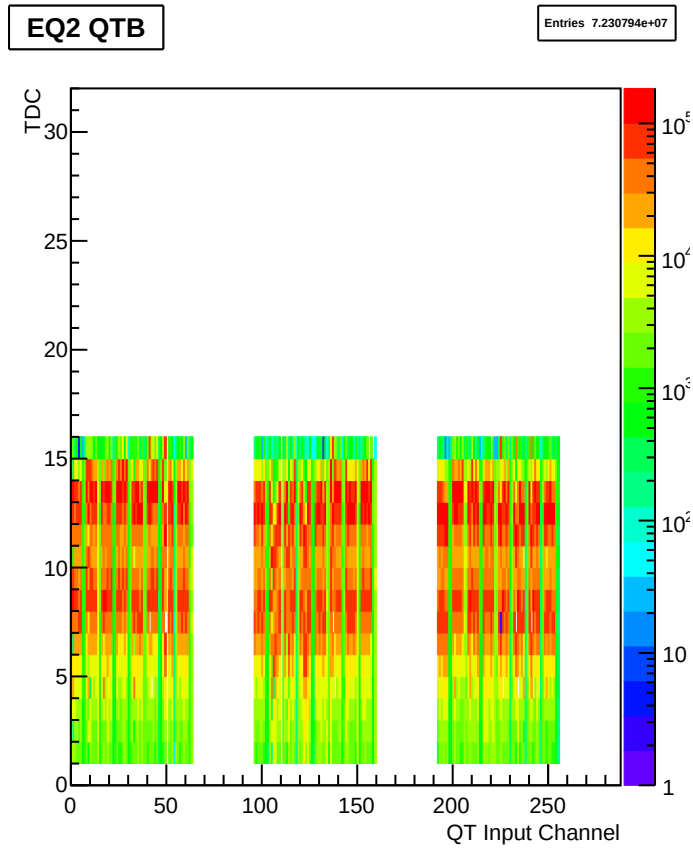

EQ1 QTB
Entries 2.388174e+08
ADC
QT Input Channel

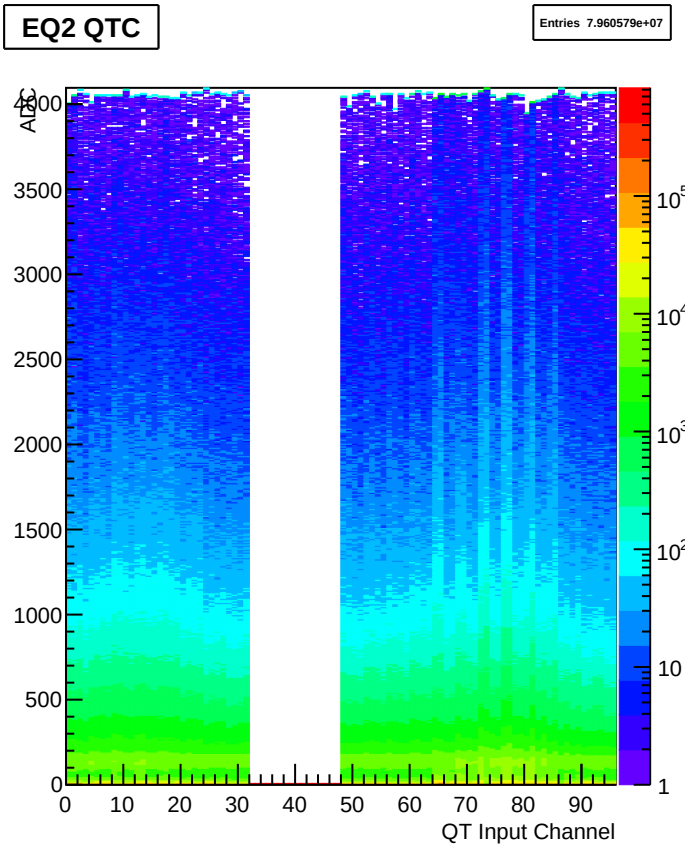

EQ1 QTB
Entries 7.608114e+07
TDC
QT Input Channel

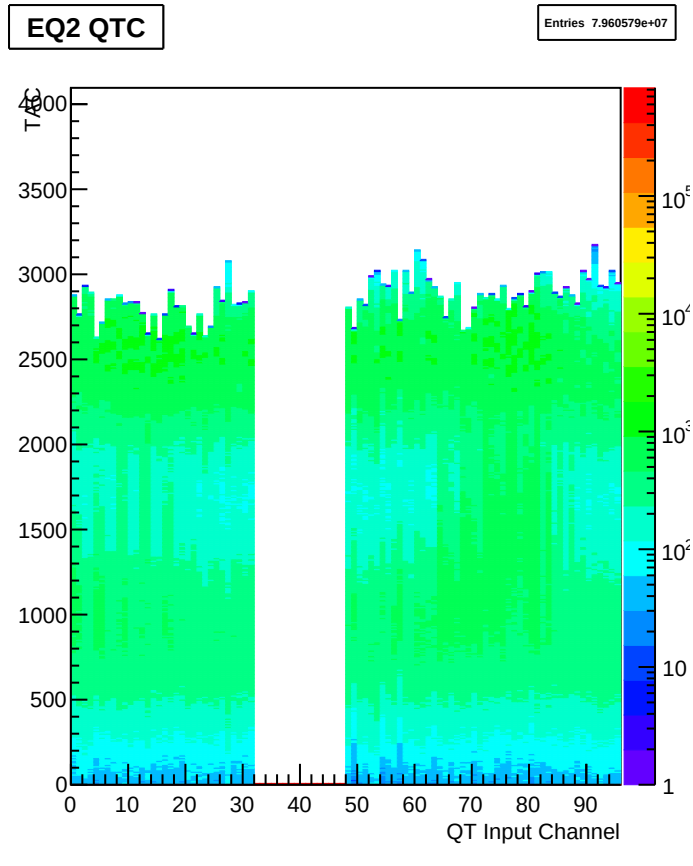

EQ1 QTC
Entries 7.960579e+07
ADC
QT Input Channel

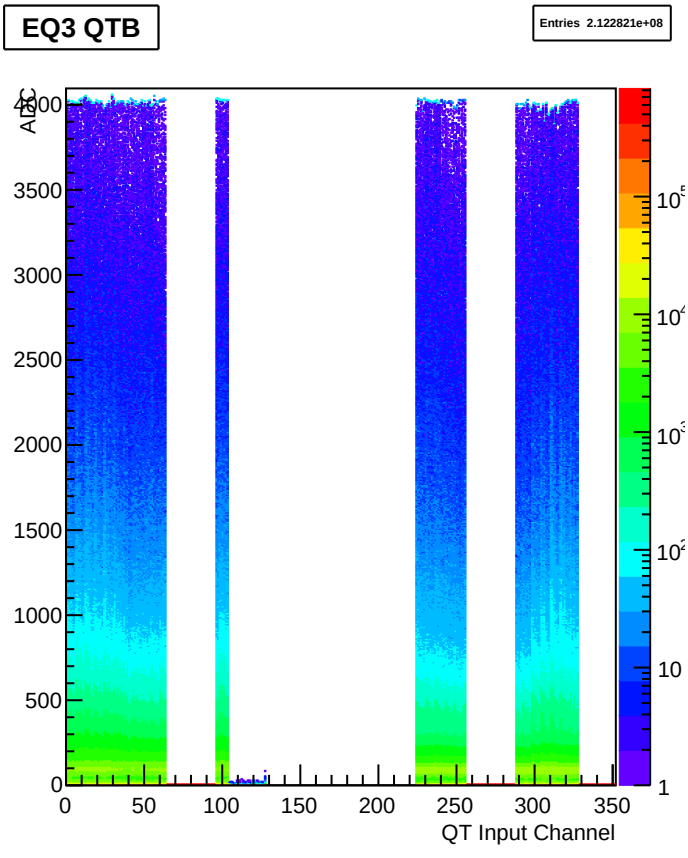

EQ1 QTC
Entries 7.960579e+07
TADC
QT Input Channel

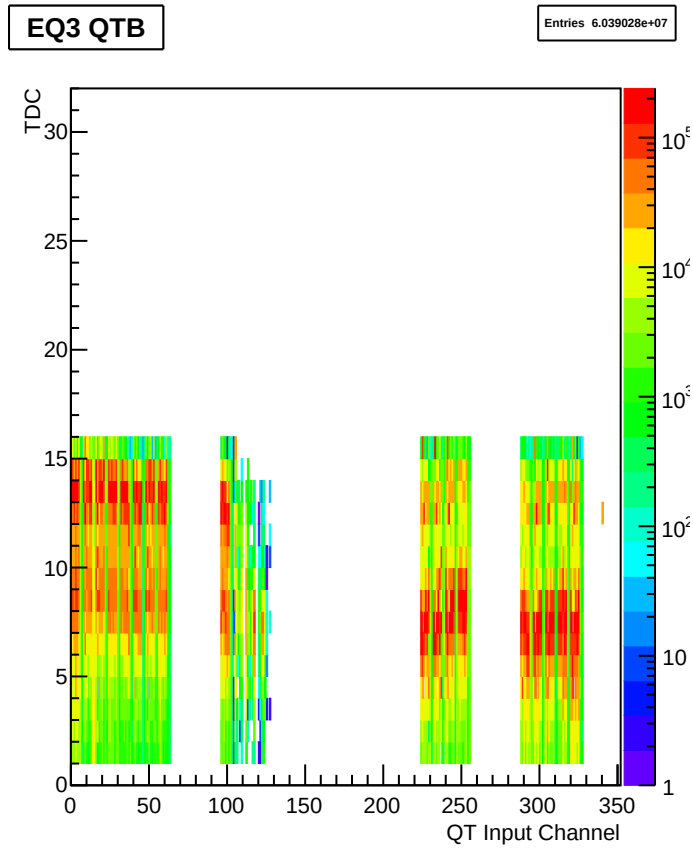

EQ2 QTB
Entries 2.388174e+08
ADC
QT Input Channel

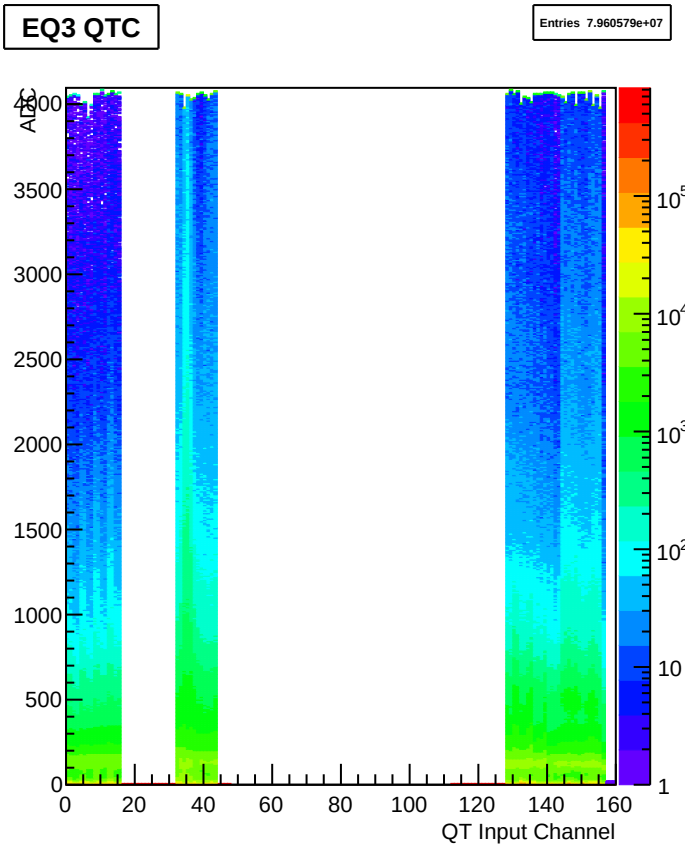

EQ2 QTB
Entries 7.230794e+07
TDC
QT Input Channel

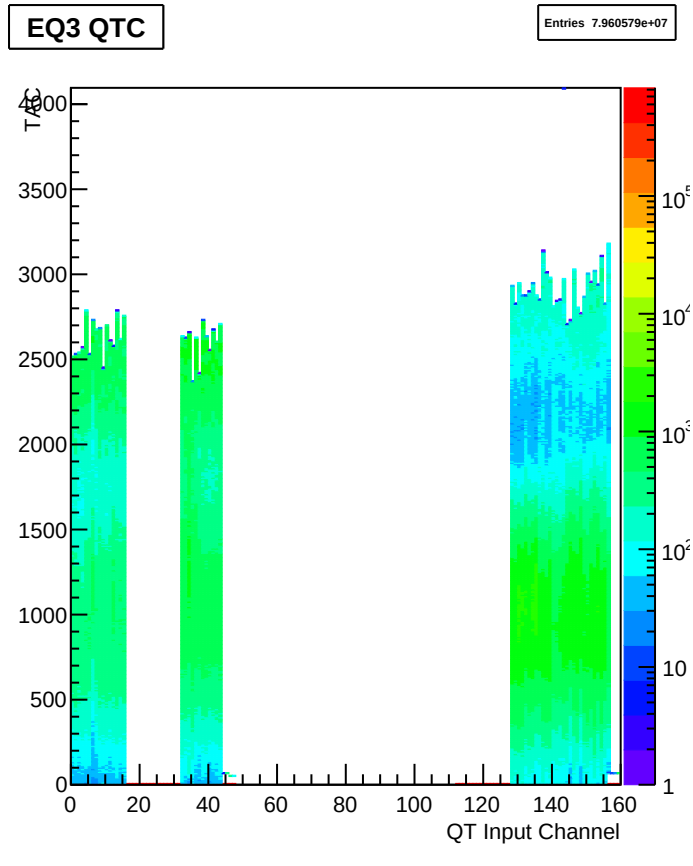

EQ2 QTC
Entries 7.960579e+07
ADC
QT Input Channel

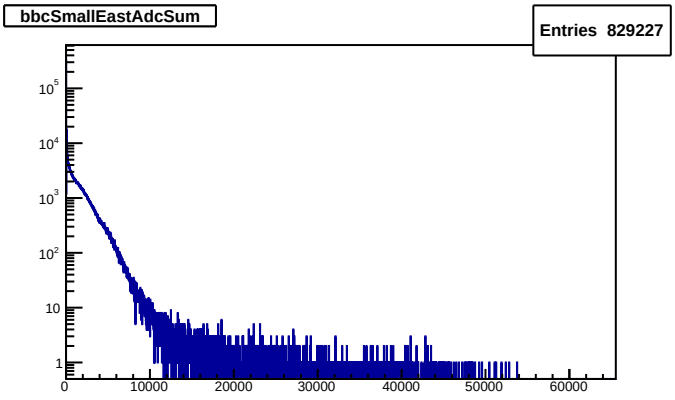

EQ2 QTC
Entries 7.960579e+07
TADC
QT Input Channel

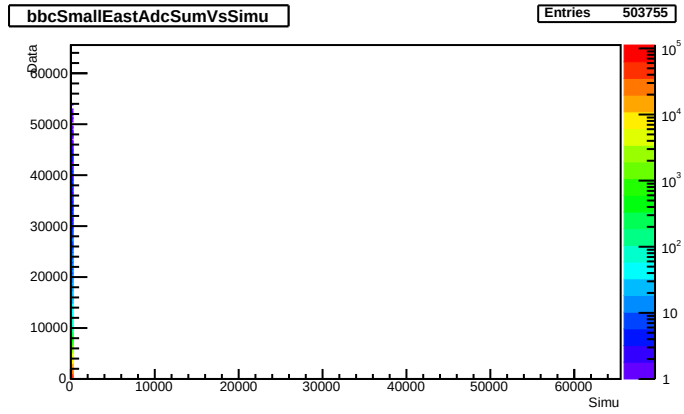

EQ3 QTB
Entries 2.122821e+08
ADC
QT Input Channel

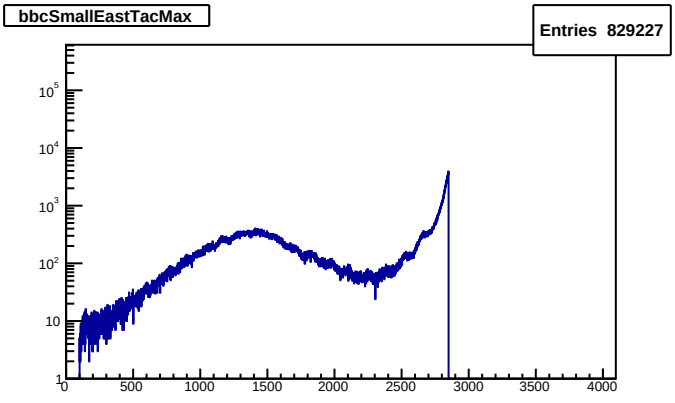

EQ3 QTB
Entries 6.039028e+07
TDC
QT Input Channel

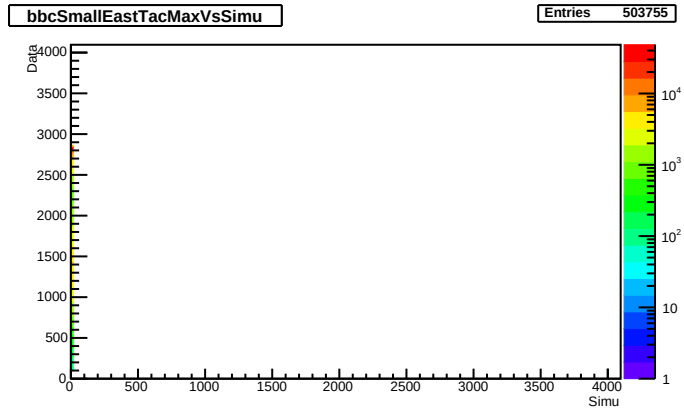

EQ3 QTC
Entries 7.960579e+07
ADC
QT Input Channel

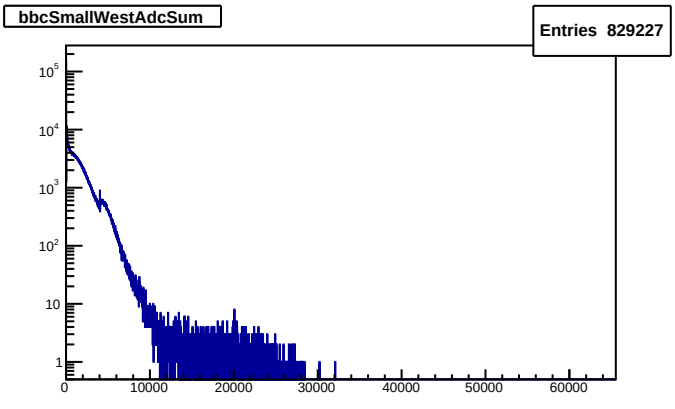

EQ3 QTC
Entries 7.960579e+07
TADC
QT Input Channel

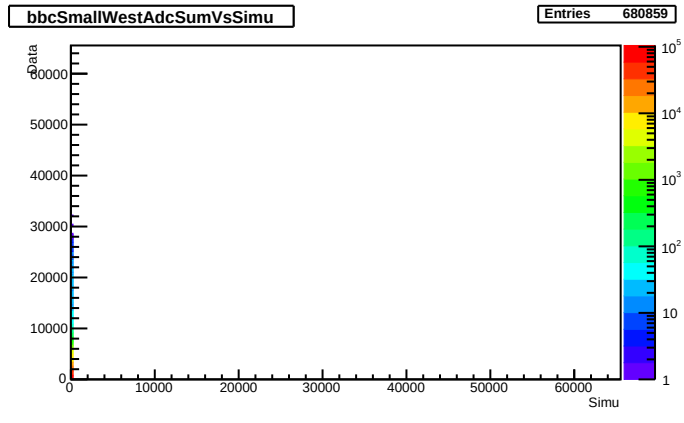

bbcSmallEastAdcSum
Entries 829227

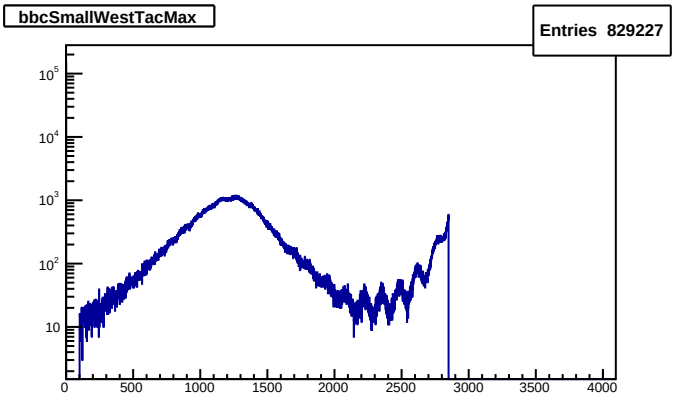

bbcSmallEastAdcSumVsSimu
Entries 503755
Data
Simu

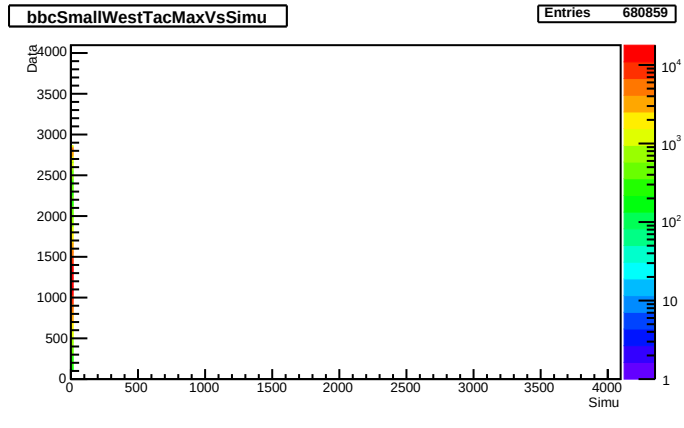

bbcSmallEastTacMax
Entries 829227

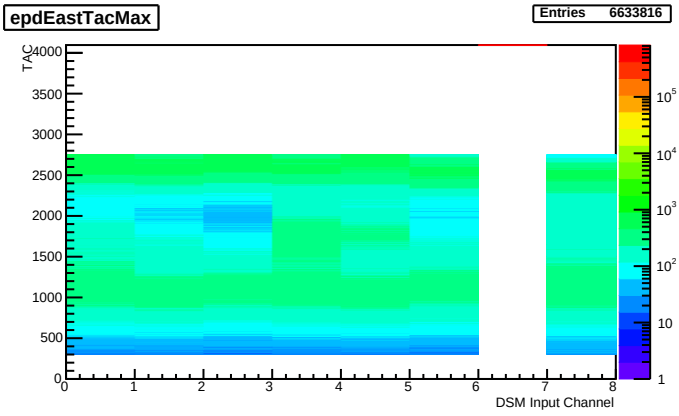

bbcSmallEastTacMaxVsSimu
Entries 503755
Data
Simu

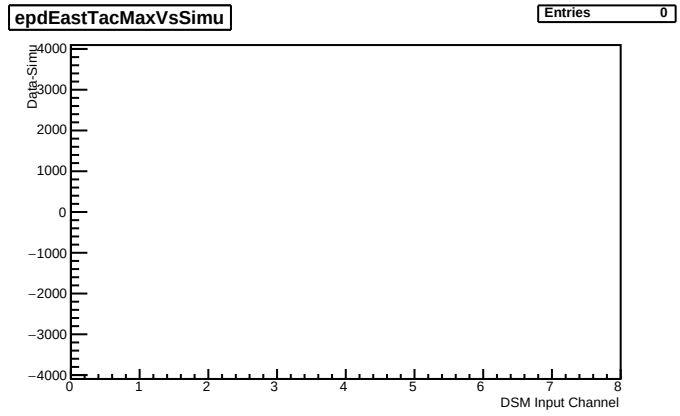

bbcSmallWestAdcSum
Entries 829227

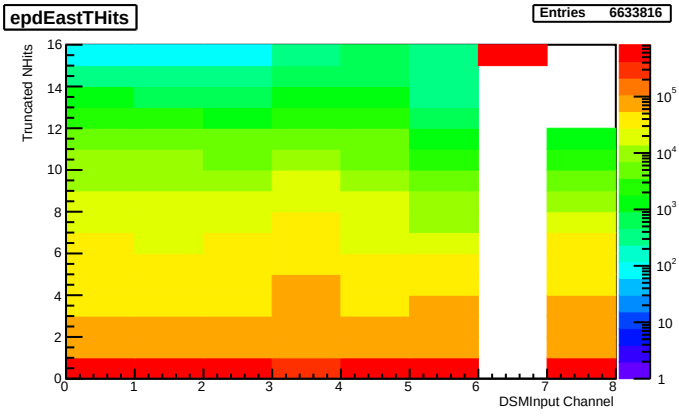

bbcSmallWestAdcSumVsSimu
Entries 680859
Data
Simu

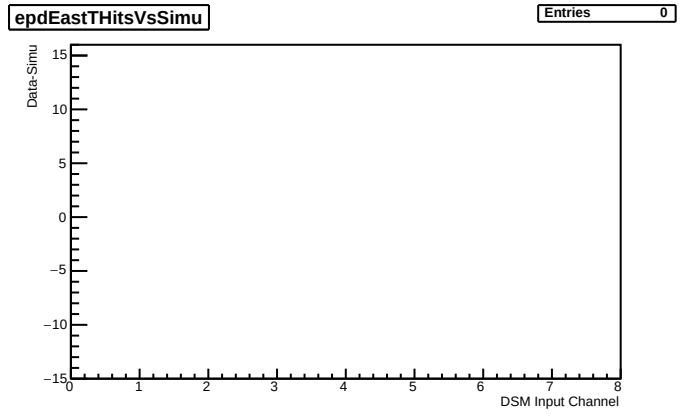

bbcSmallWestTacMax
Entries 829227

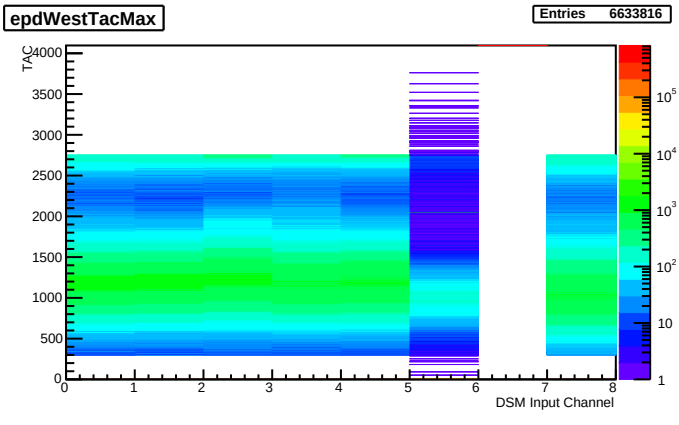

bbcSmallWestTacMaxVsSimu
Entries 680859
Data
Simu

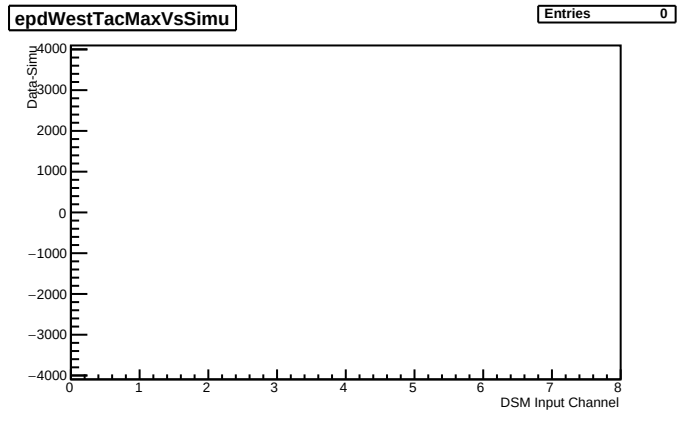

epdEastTacMax
Entries 6633816
TAC
DSM Input Channel

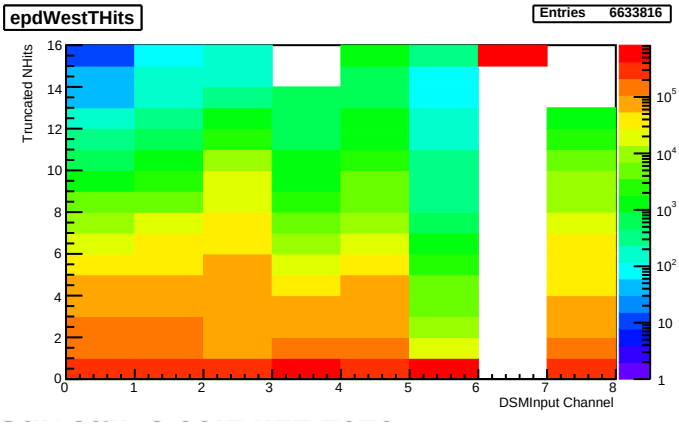

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

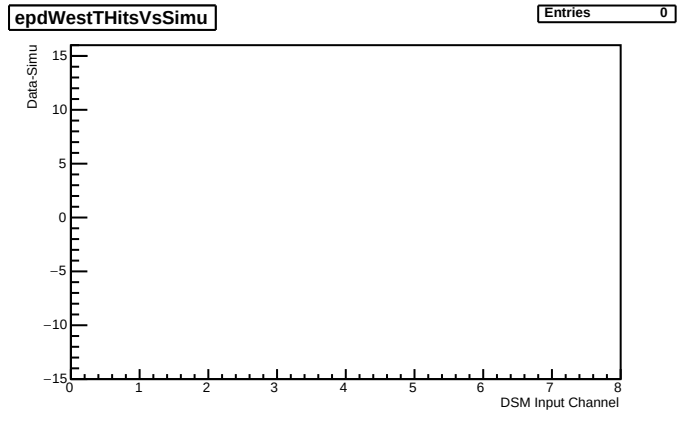

epdEastTHits
Entries 6633816
Truncated NHits
DSMInput Channel

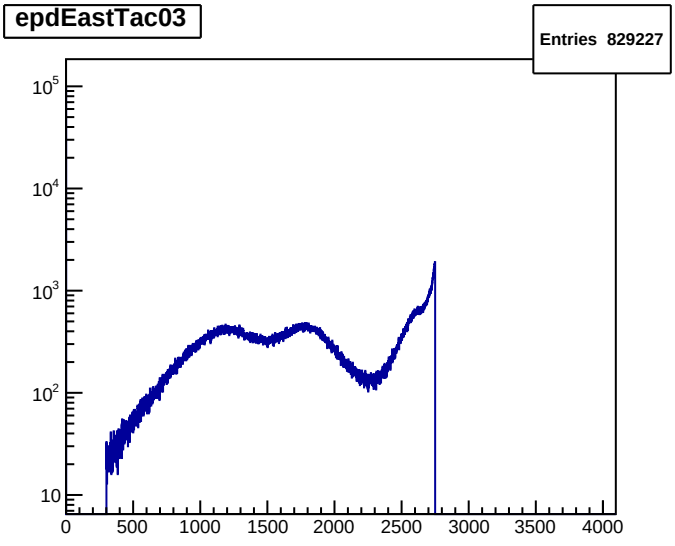

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

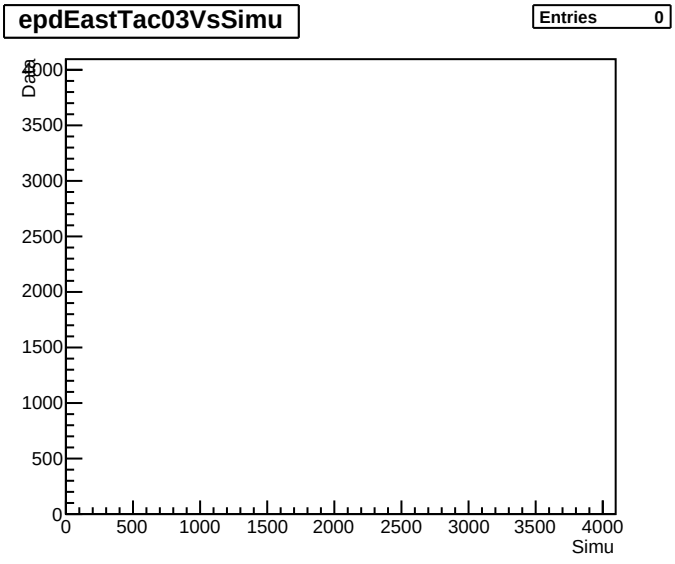

epdWestTacMax
Entries 6633816
TAC
DSM Input Channel

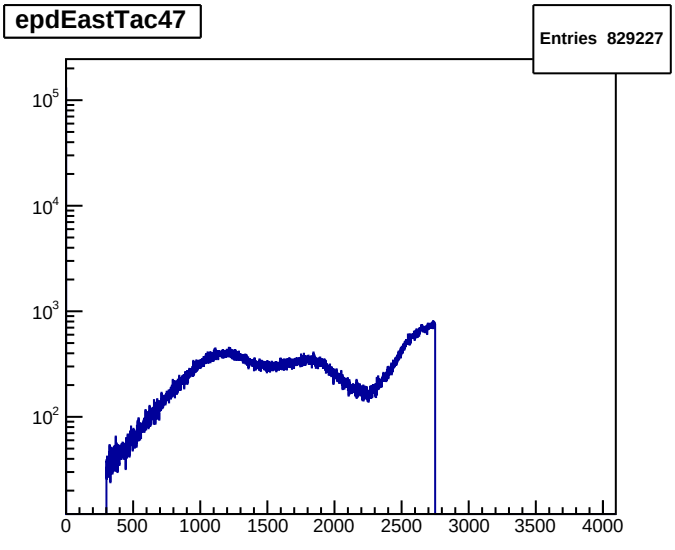

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

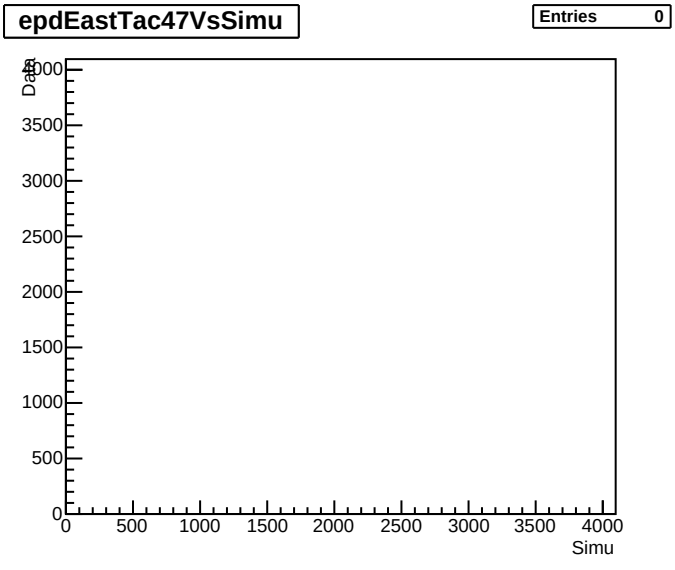

epdWestTHits
Entries 6633816
Truncated NHits
DSMInput Channel

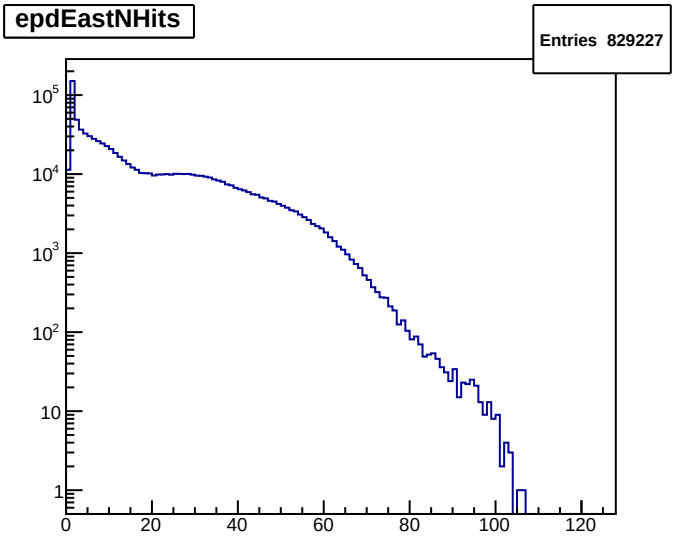

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

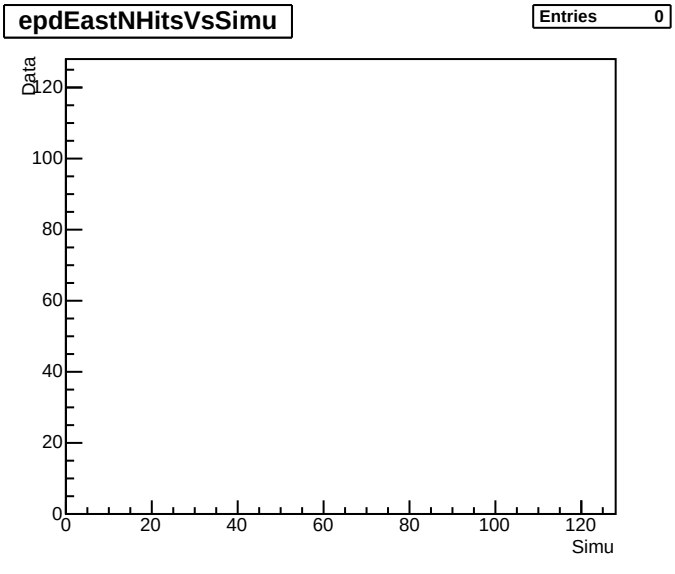

epdEastTac03
Entries 829227

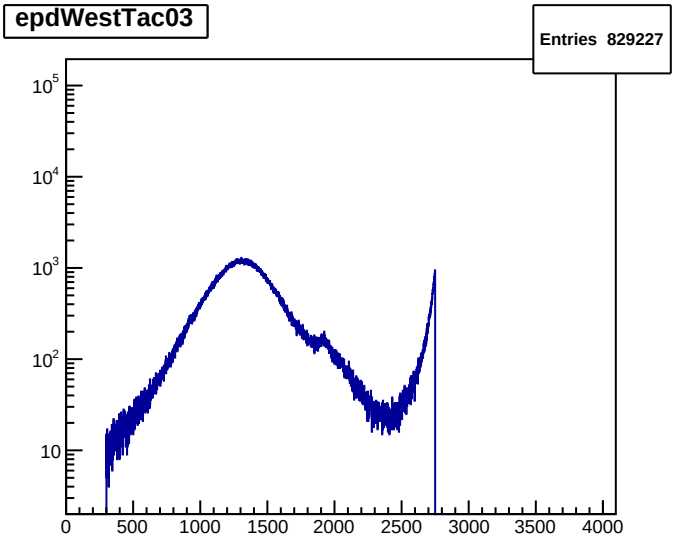

epdEastTac03VsSimu
Entries 0
Data
Simu

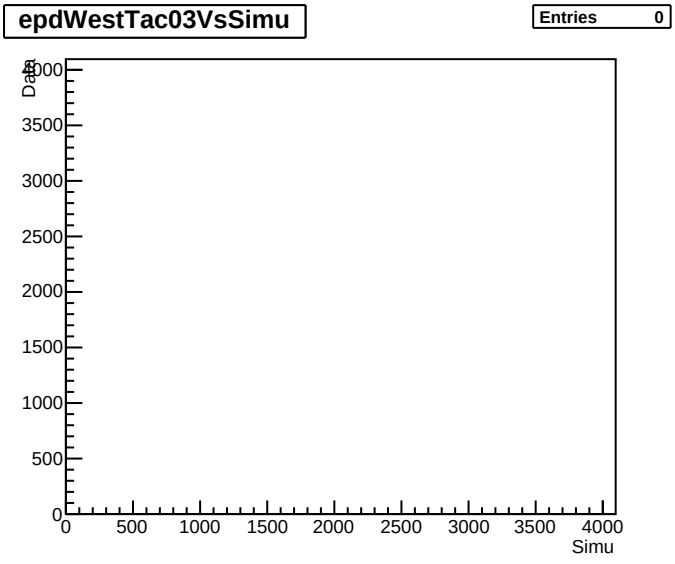

epdEastTac47
Entries 829227

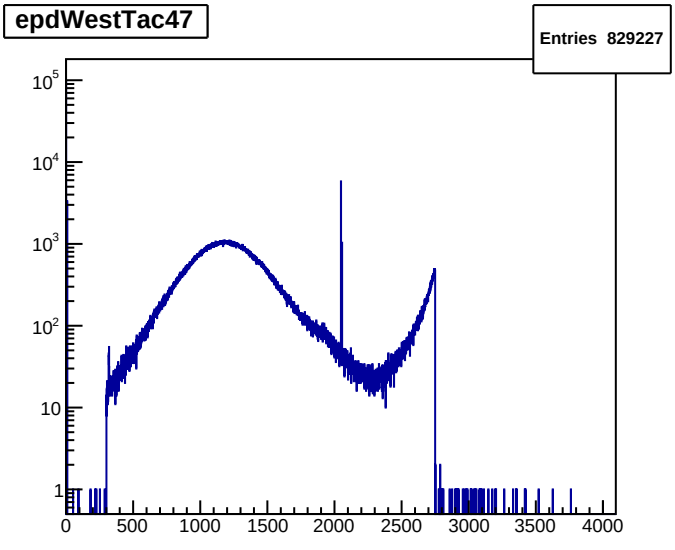

epdEastTac47VsSimu
Entries 0
Data
Simu

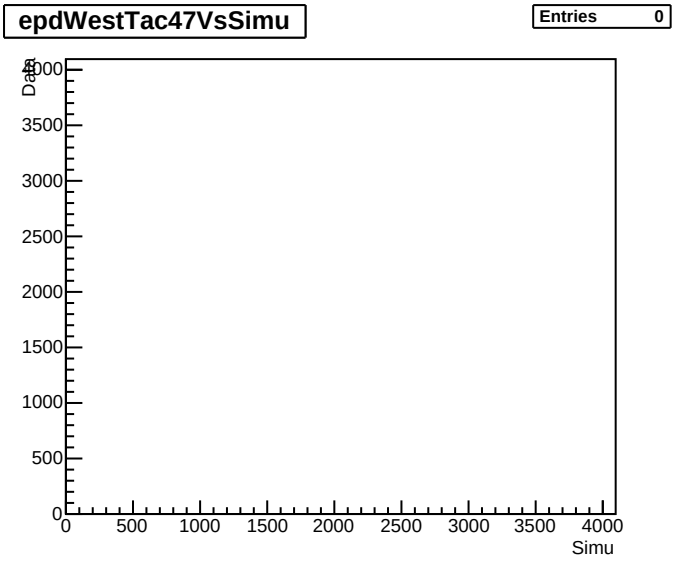

epdEastNHits
Entries 829227

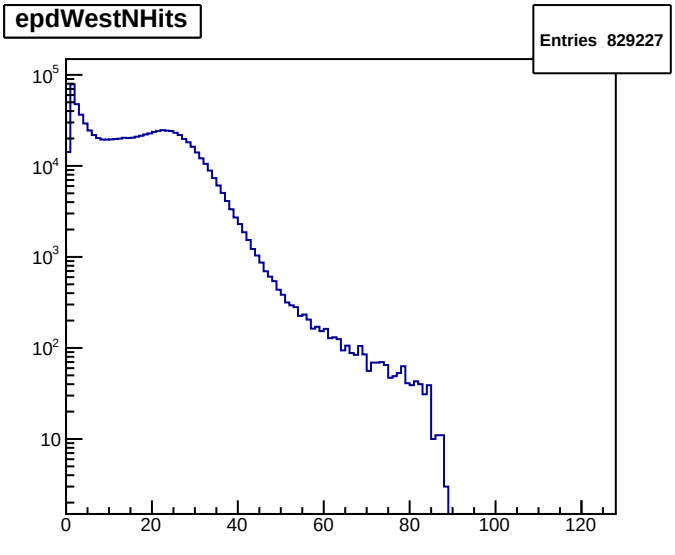

epdEastNHitsVsSimu
Entries 0
Data
Simu

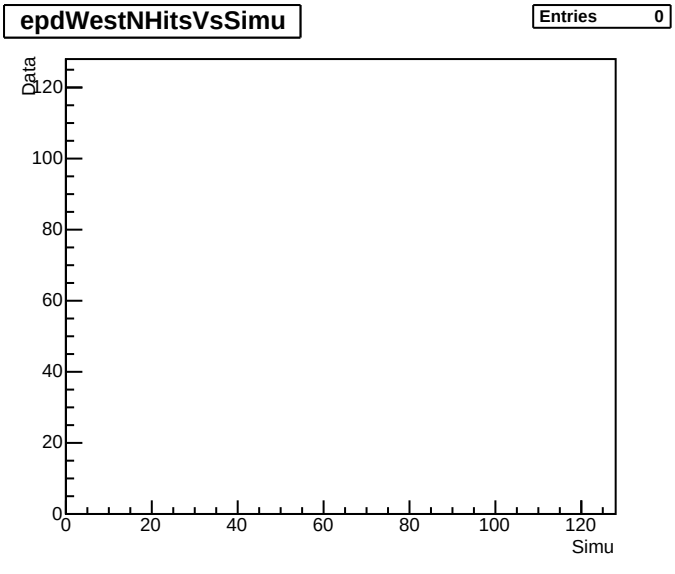

epdWestTac03
Entries 829227

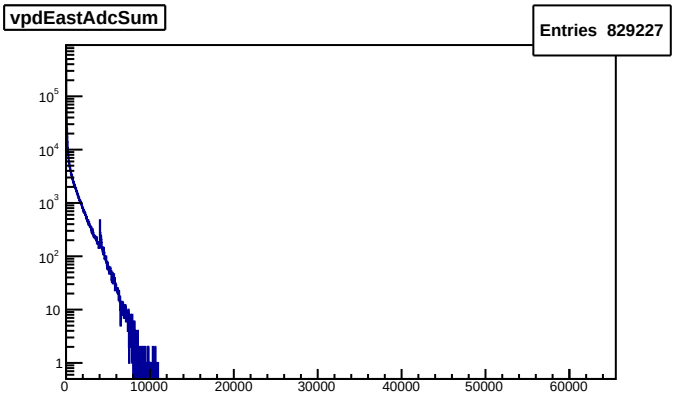

epdWestTac03VsSimu
Entries 0
Data
Simu

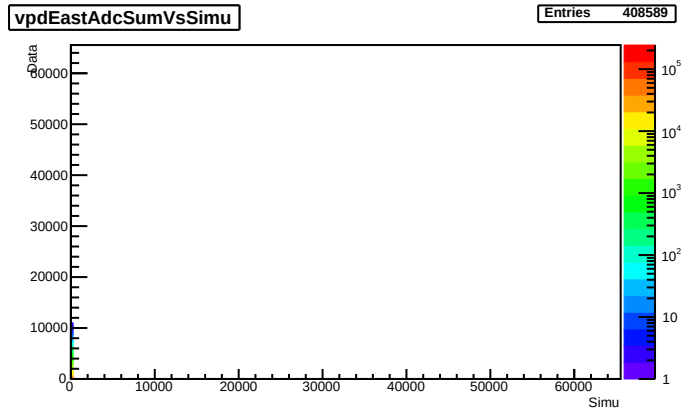

epdWestTac47
Entries 829227

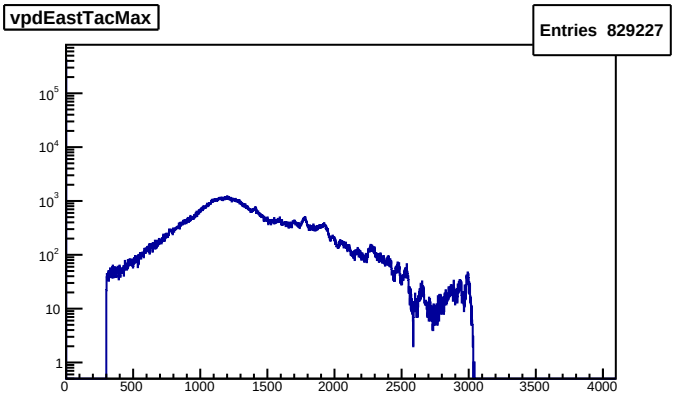

epdWestTac47VsSimu
Entries 0
Data
Simu

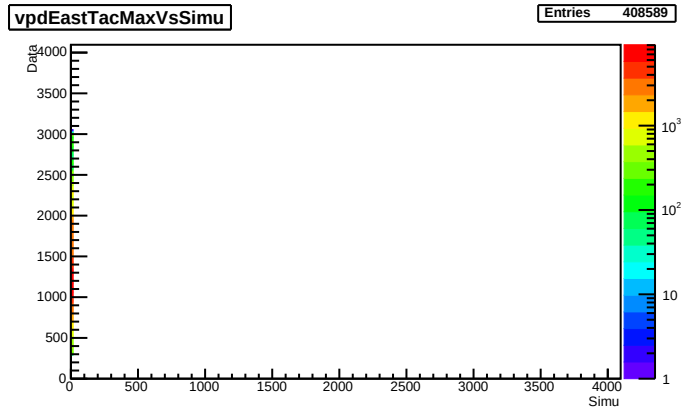

epdWestNHits
Entries 829227

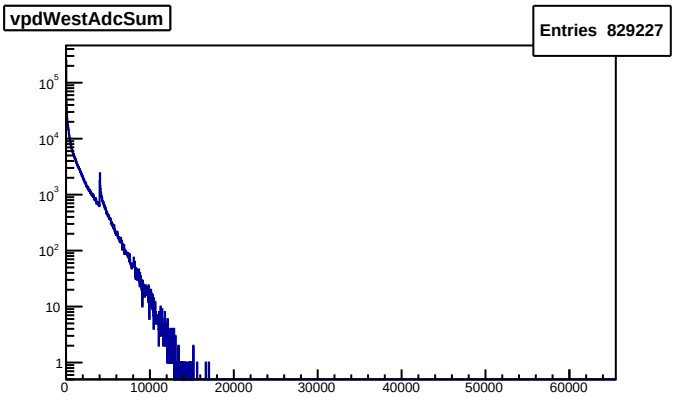

epdWestNHitsVsSimu
Entries 0
Data
Simu

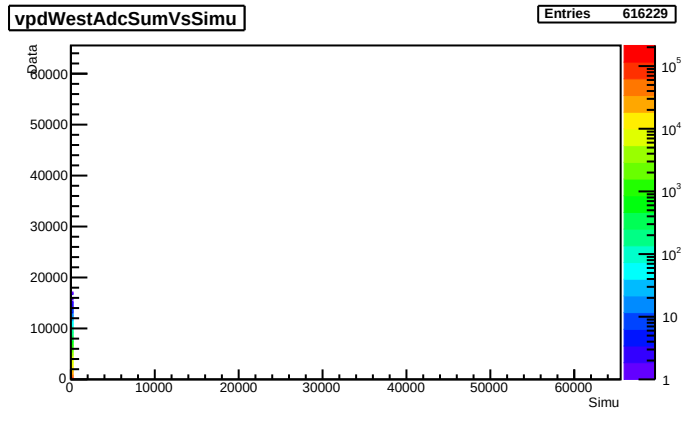

vpdEastAdcSum
Entries 829227

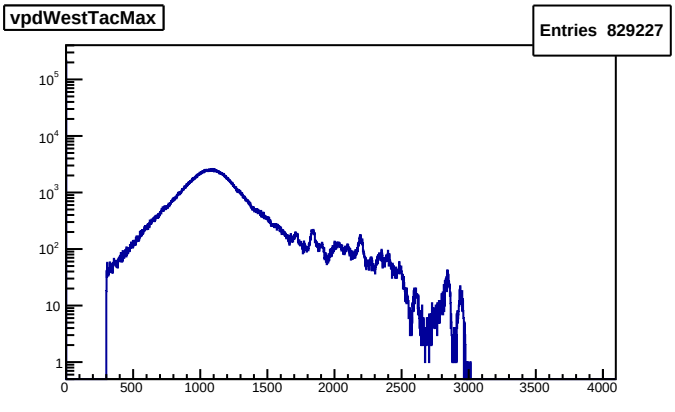

vpdEastAdcSumVsSimu
Entries 408589
Data
Simu

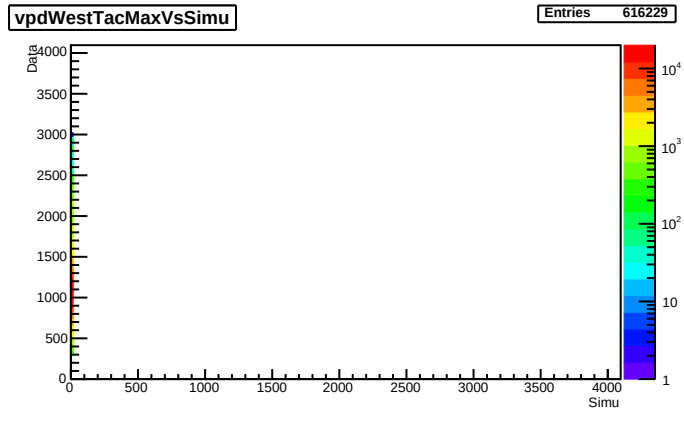

vpdEastTacMax
Entries 829227

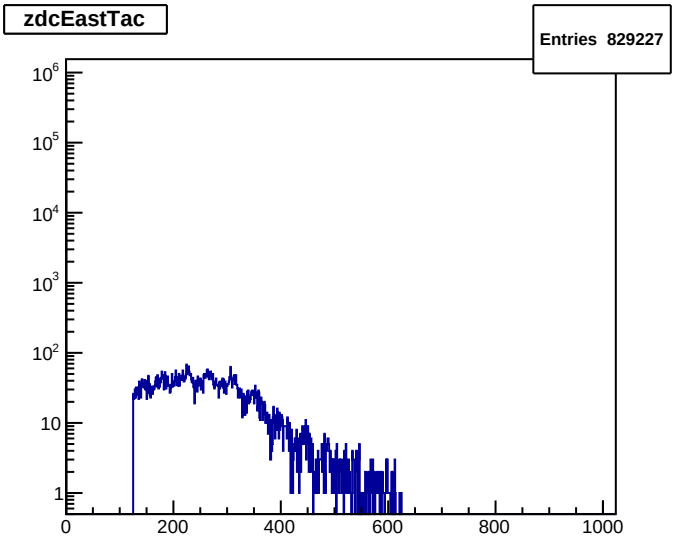

vpdEastTacMaxVsSimu
Entries 408589
Data
Simu

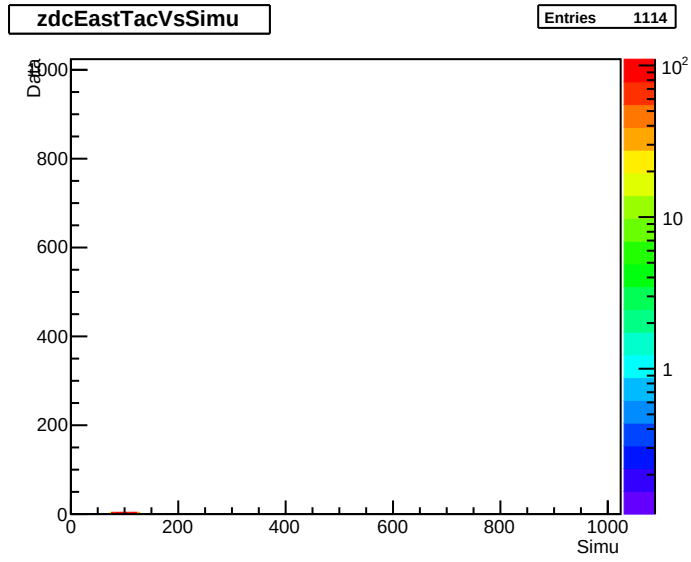

vpdWestAdcSum
Entries 829227

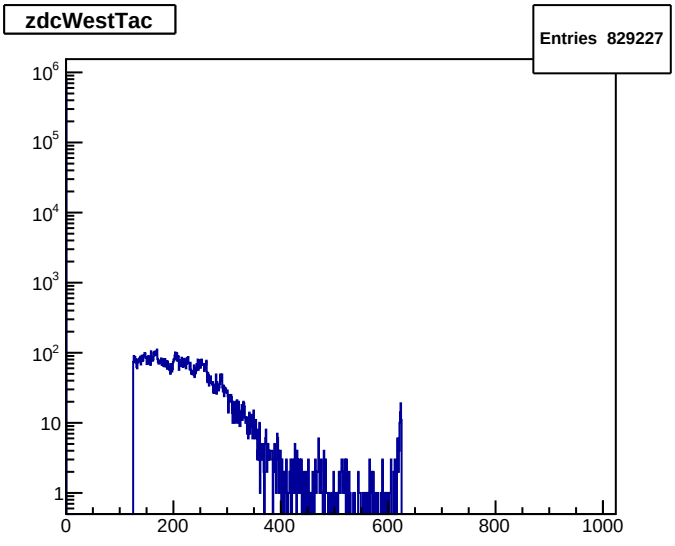

vpdWestAdcSumVsSimu
Entries 616229
Data
Simu

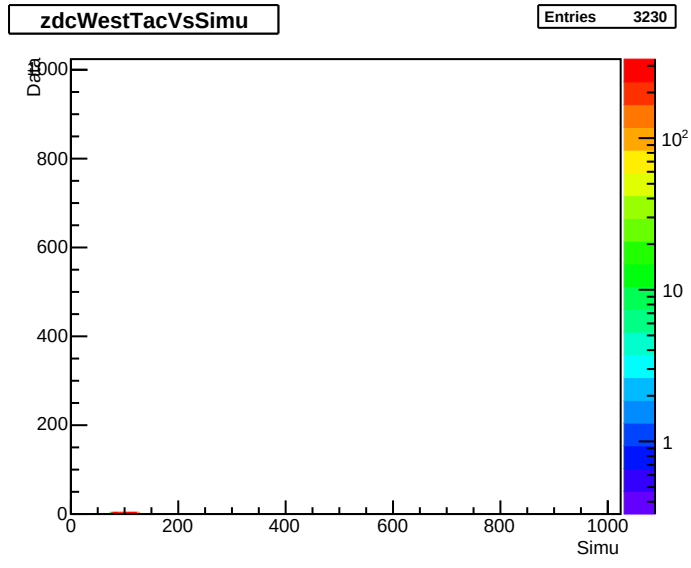

vpdWestTacMax
Entries 829227

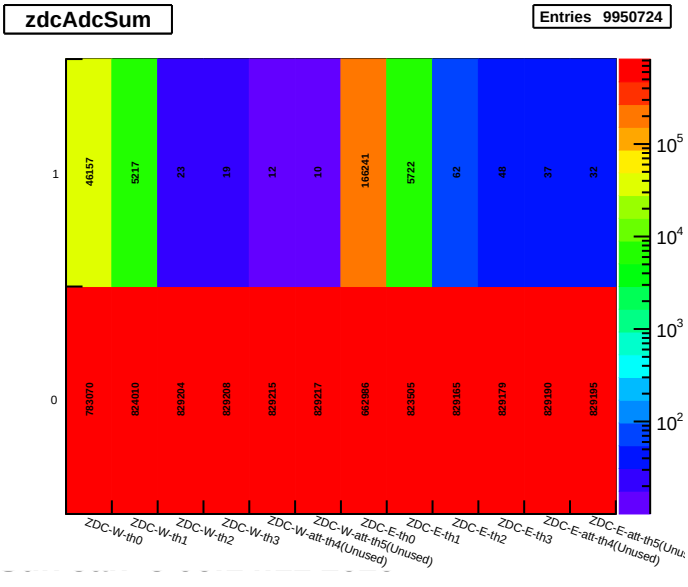

vpdWestTacMaxVsSimu
Entries 616229
Data
Simu

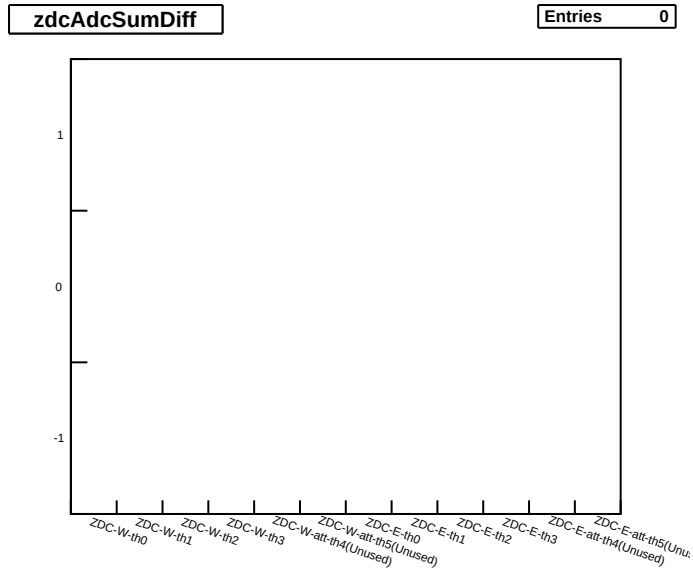

zdcEastTac
Entries 829227

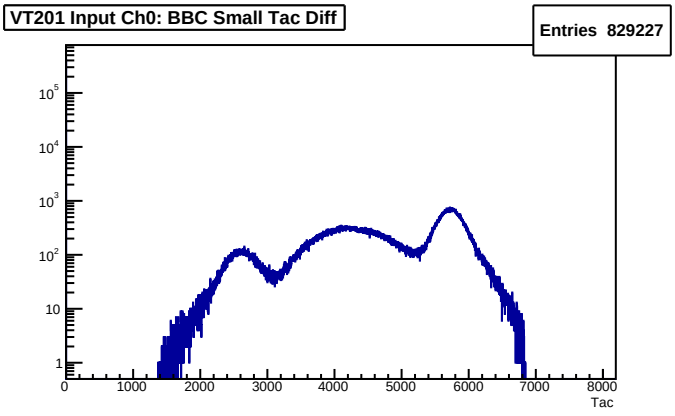

zdcEastTacVsSimu
Entries 1114
Data
Simu

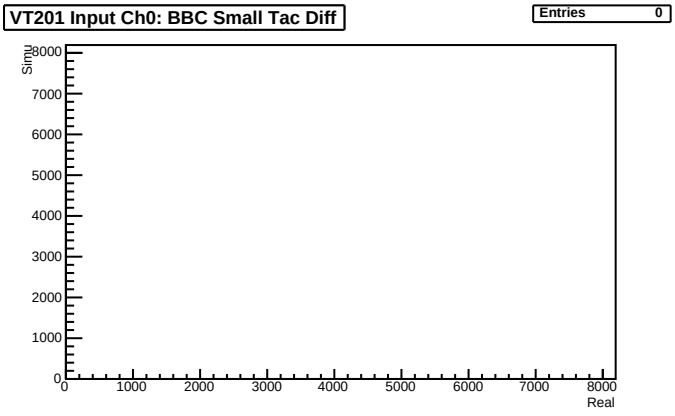

zdcWestTac
Entries 829227

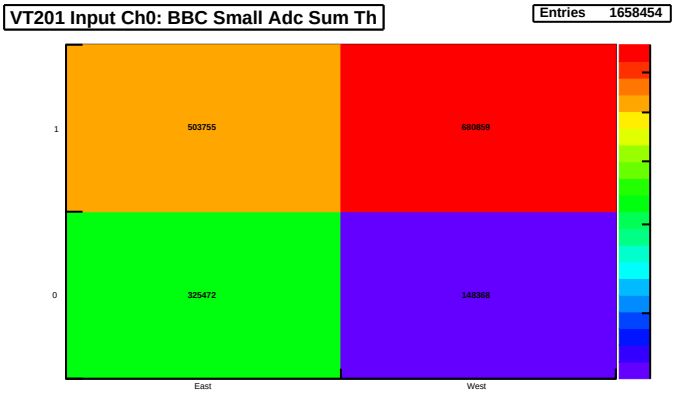

zdcWestTacVsSimu
Entries 3230
Data
Simu

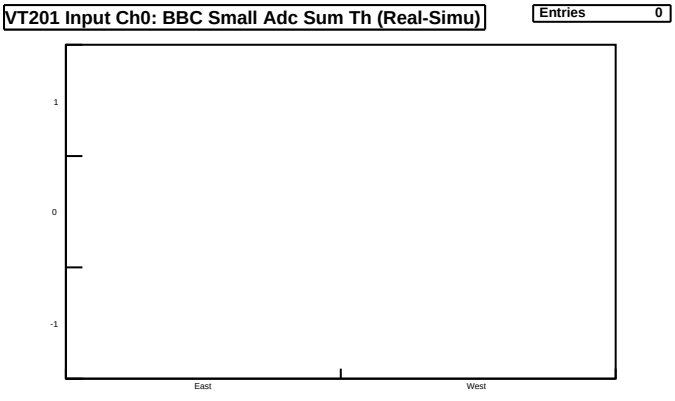

zdcAdcSum
Entries 9950724
46157
5217
23
19
12
10
166241
5722
62
48
37
32
783070
824010
829204
829208
829215
829217
662986
823505
829165
829179
829190
829195
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

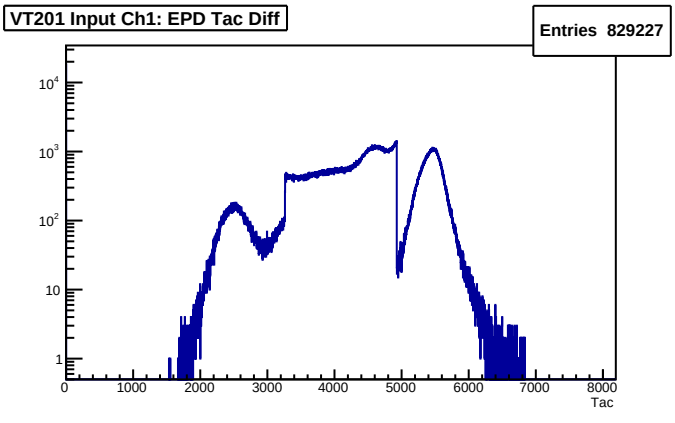

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

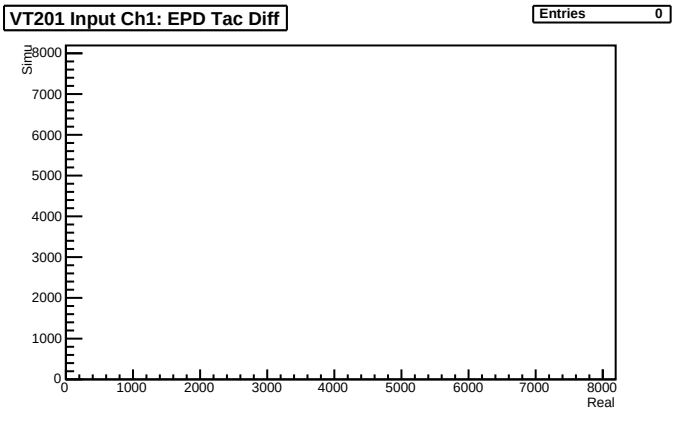

VT201 Input Ch0: BBC Small Tac Diff
Entries 829227
Tac

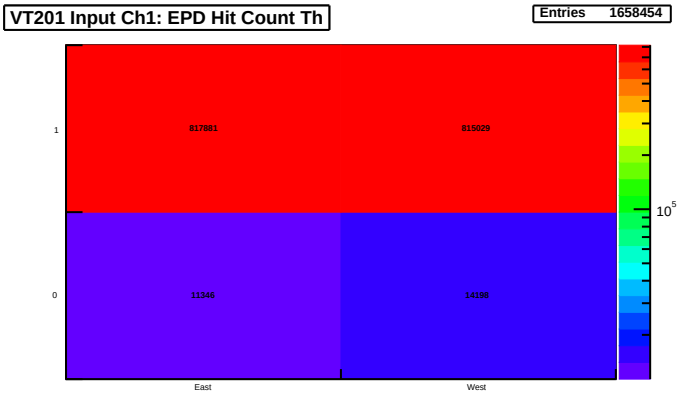

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

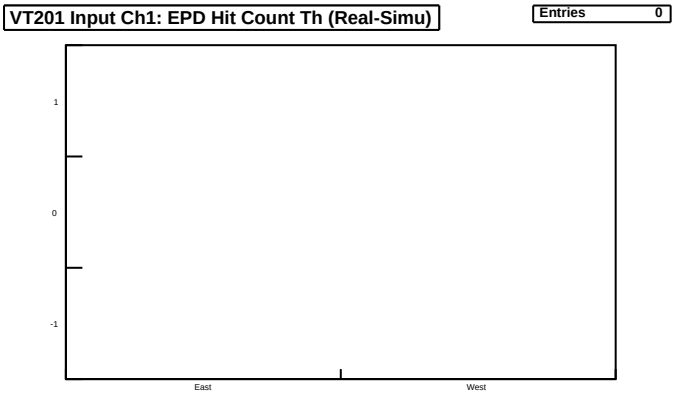

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1658454
503755
680859
325472
148368
East
West

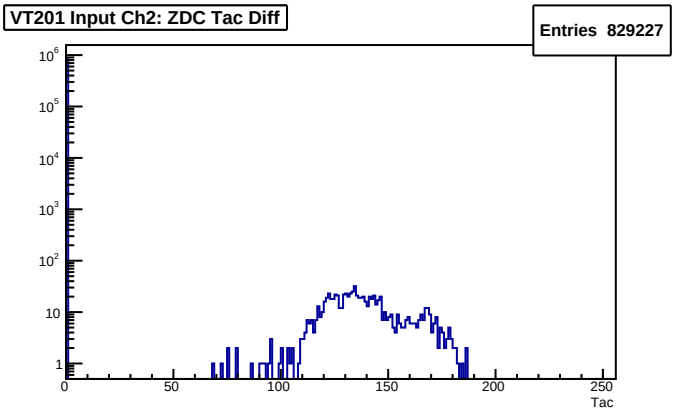

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

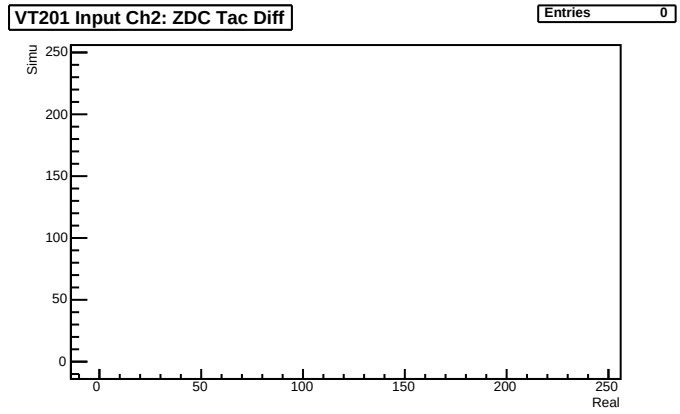

VT201 Input Ch1: EPD Tac Diff
Entries 829227
Tac

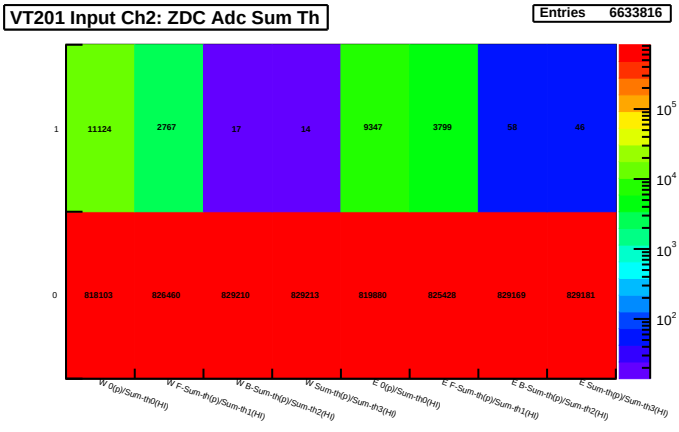

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

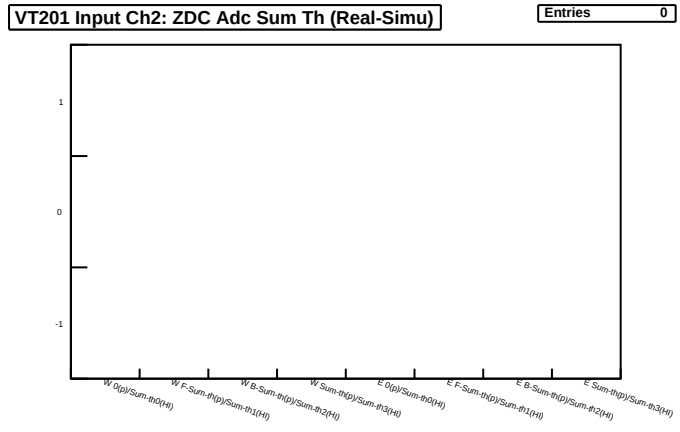

VT201 Input Ch1: EPD Hit Count Th
Entries 1658454
817881
815029
11346
14198
East
West

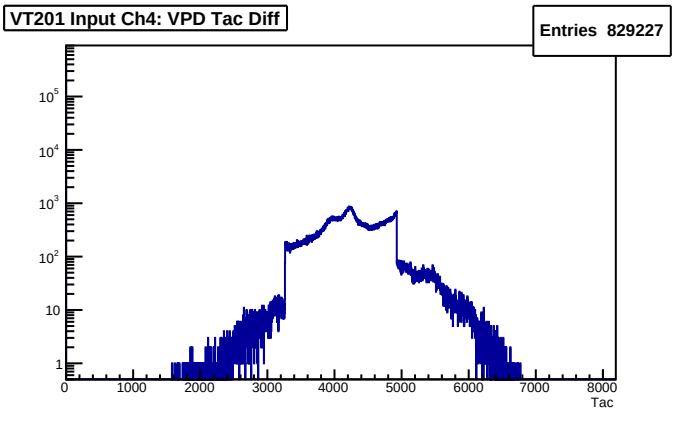

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

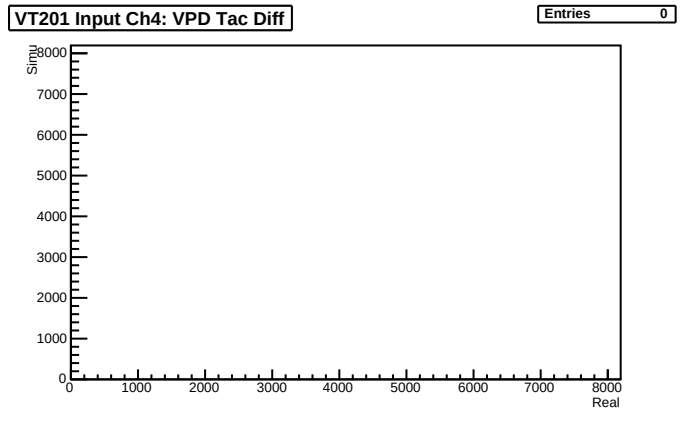

VT201 Input Ch2: ZDC Tac Diff
Entries 829227
Tac

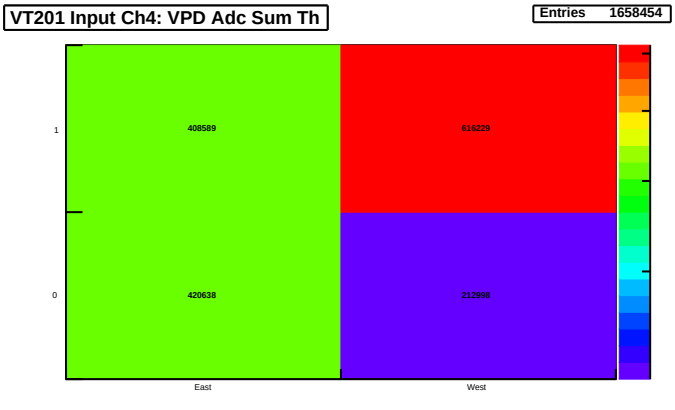

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

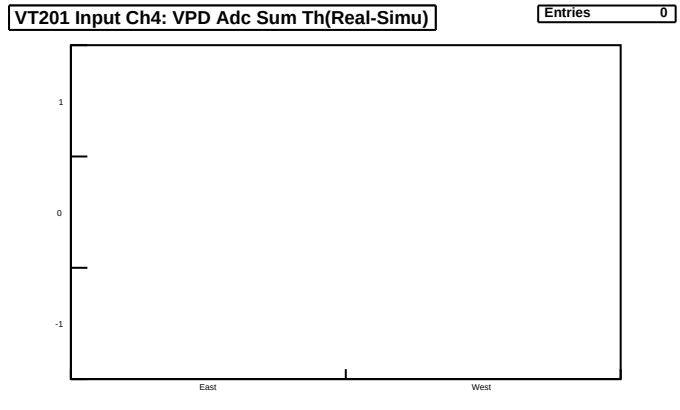

VT201 Input Ch2: ZDC Adc Sum Th
Entries 6633816
11124
2767
17
14
9347
3799
58
46
818103
826460
829210
829213
819880
825428
829169
829181
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

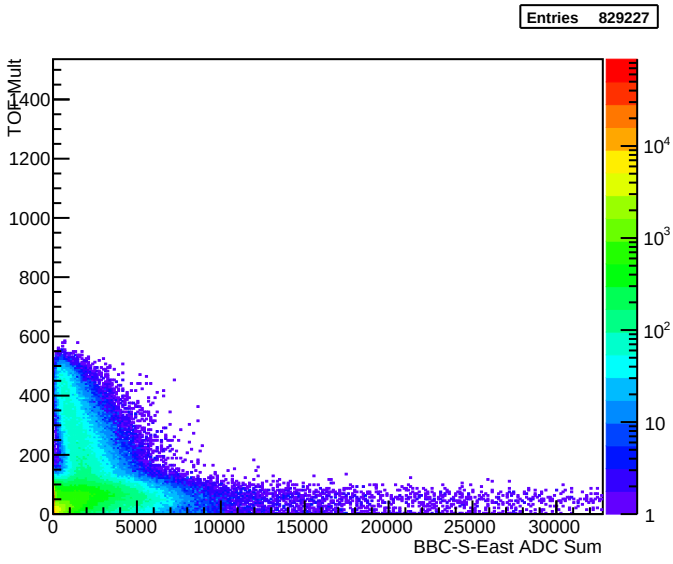

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

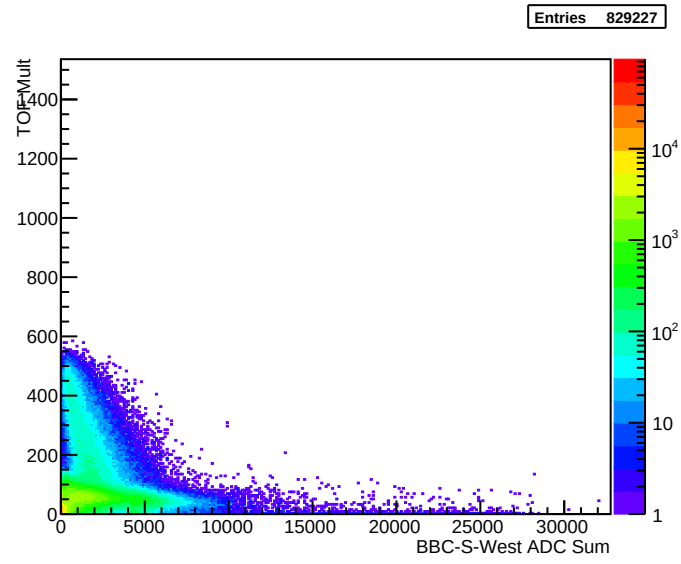

VT201 Input Ch4: VPD Tac Diff
Entries 829227
Tac

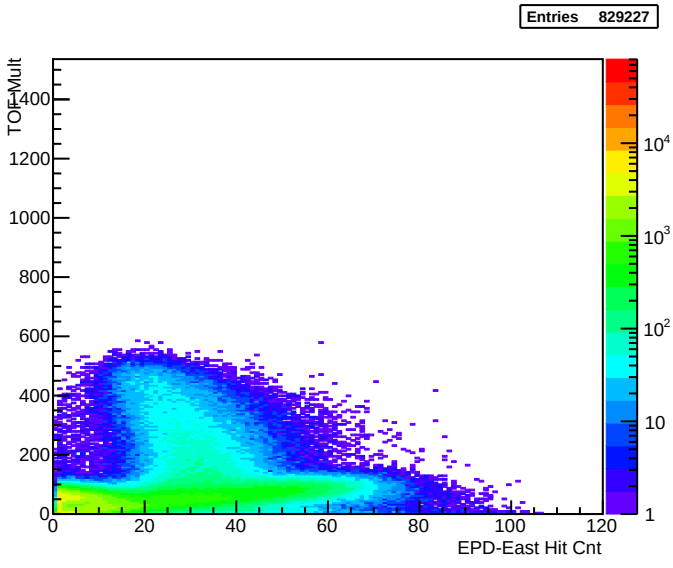

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

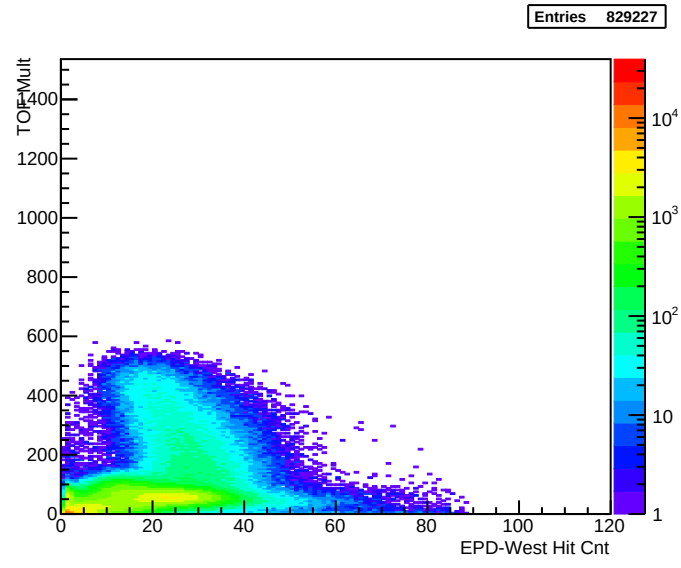

VT201 Input Ch4: VPD Adc Sum Th
Entries 1658454
408589
616229
420638
212998
East
West

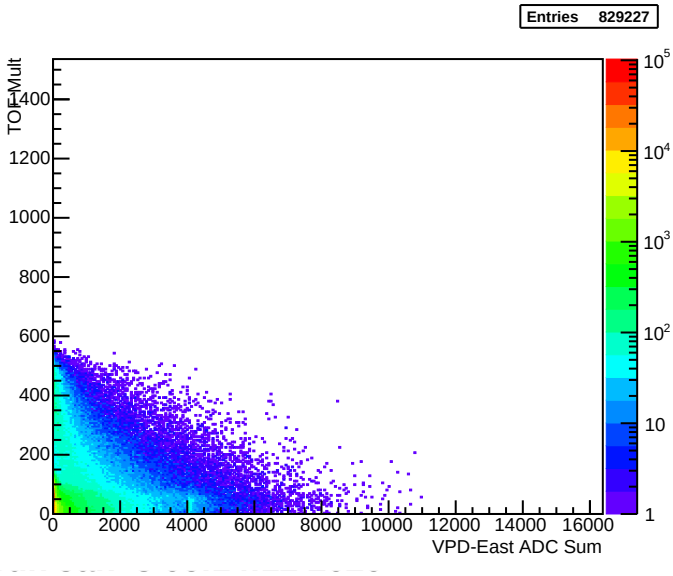

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

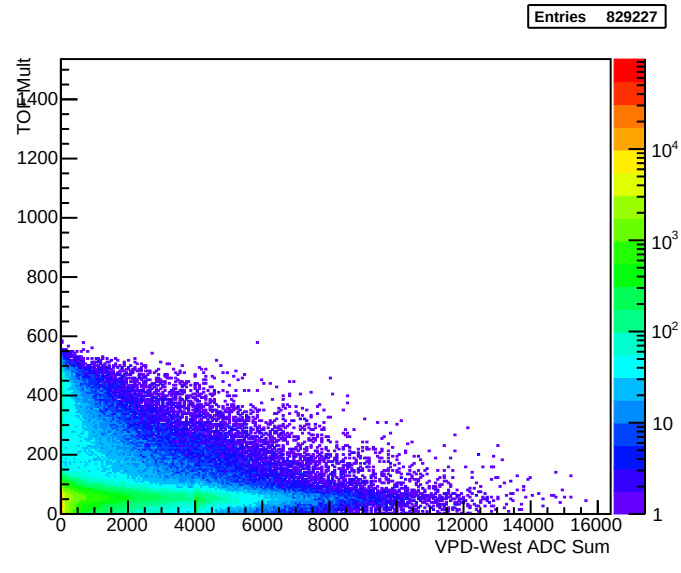

Entries 829227
TOF-Mult
BBC-S-East ADC Sum

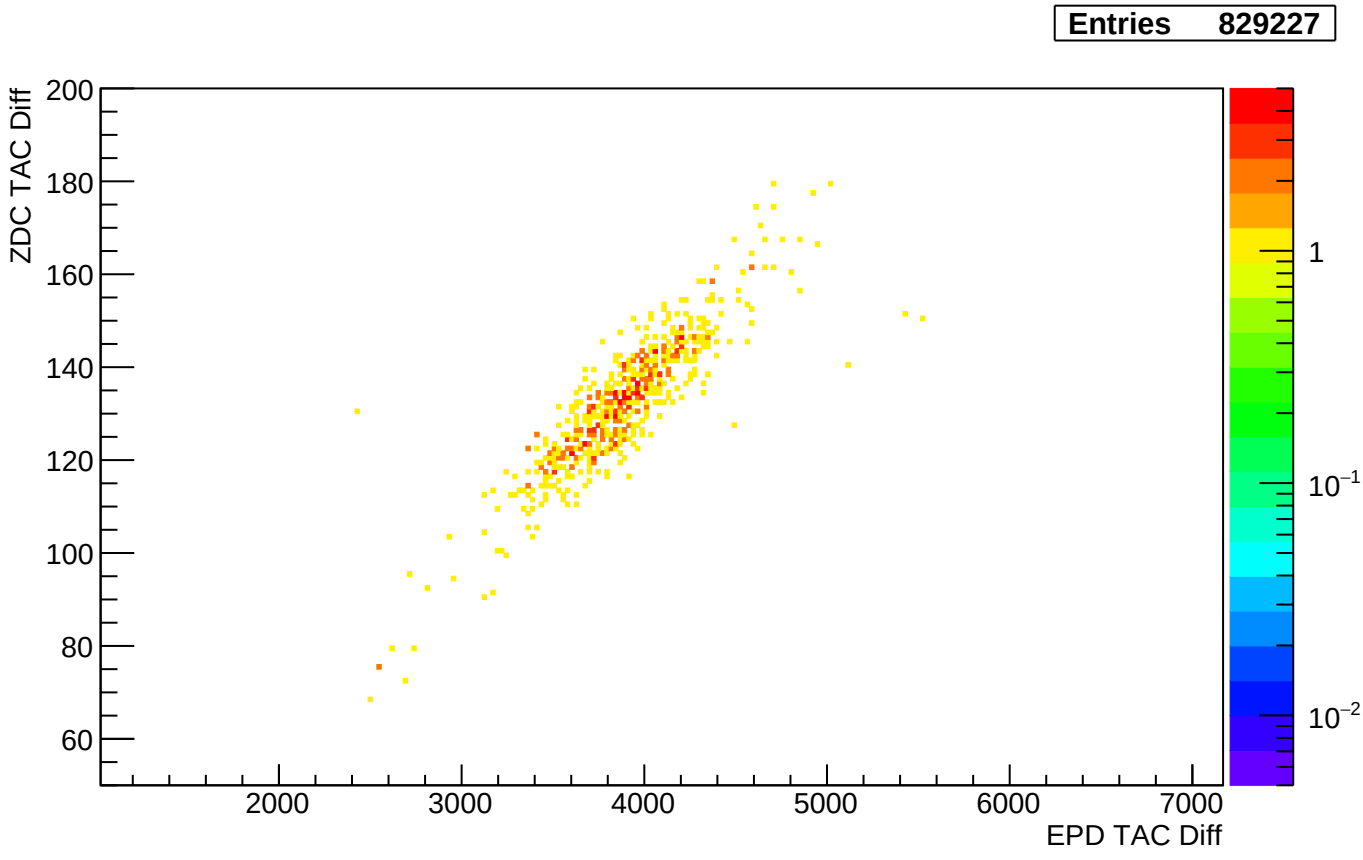

Entries 829227
TOF-Mult
BBC-S-West ADC Sum

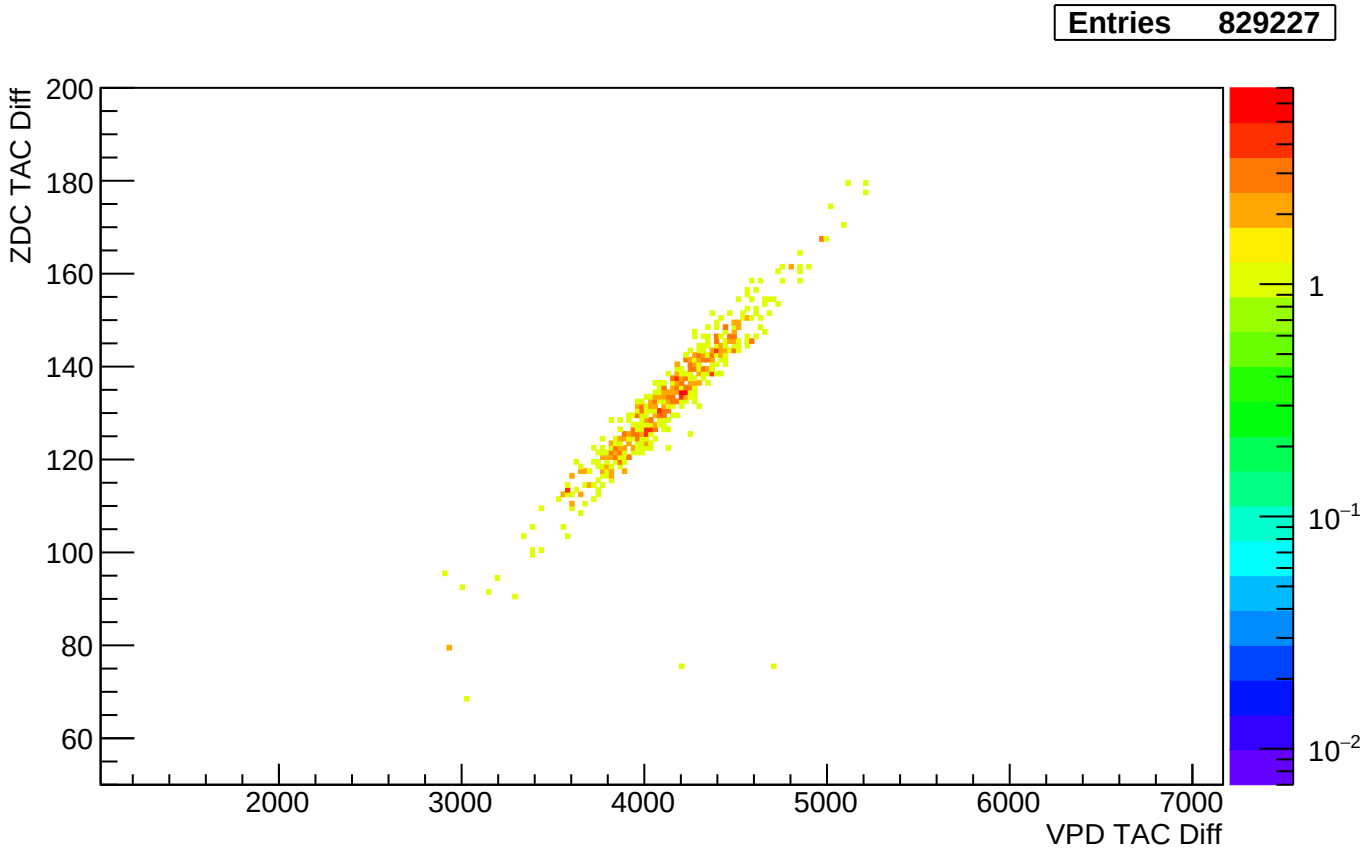

Entries 829227
TOF-Mult
EPD-East Hit Cnt

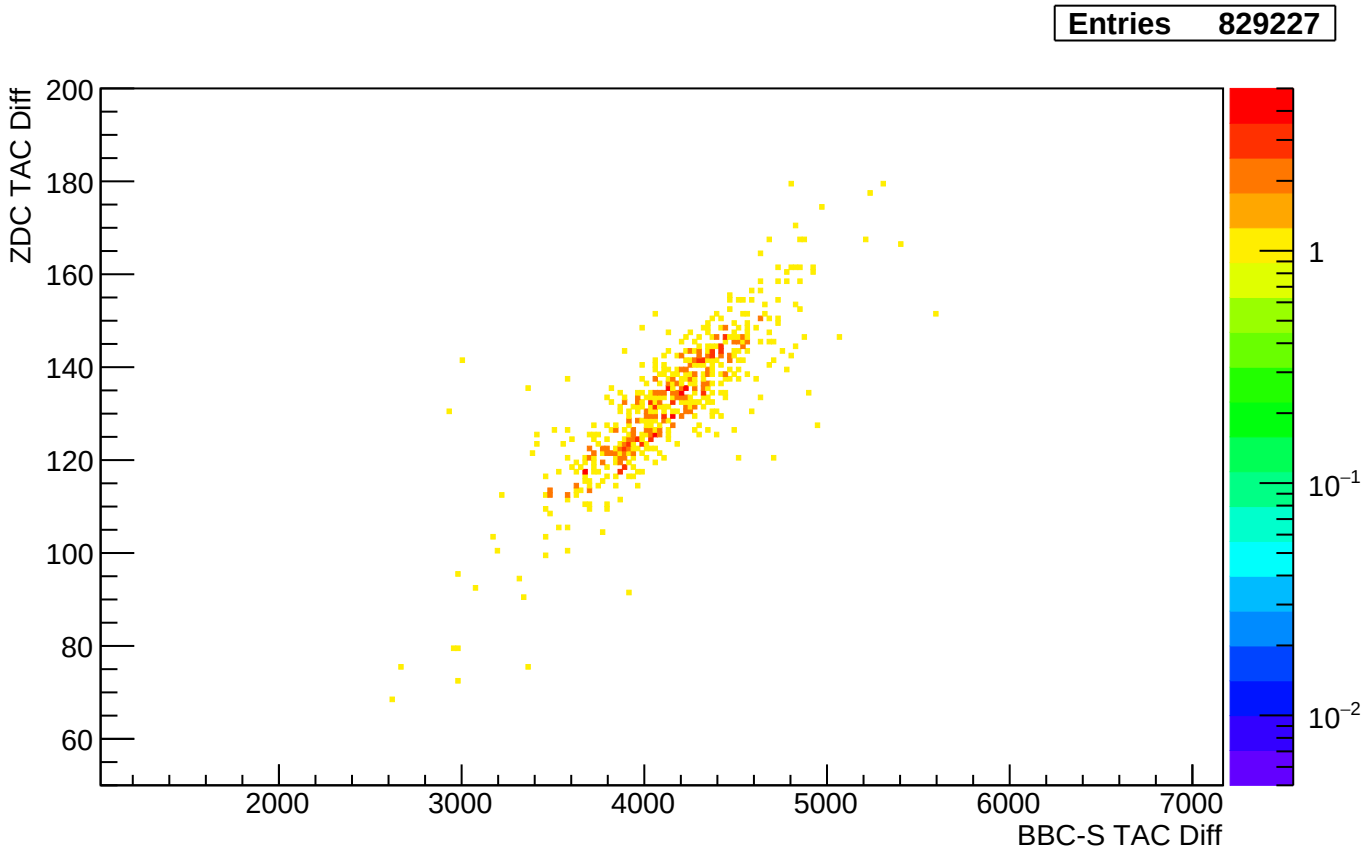

Entries 829227
TOF-Mult
EPD-West Hit Cnt

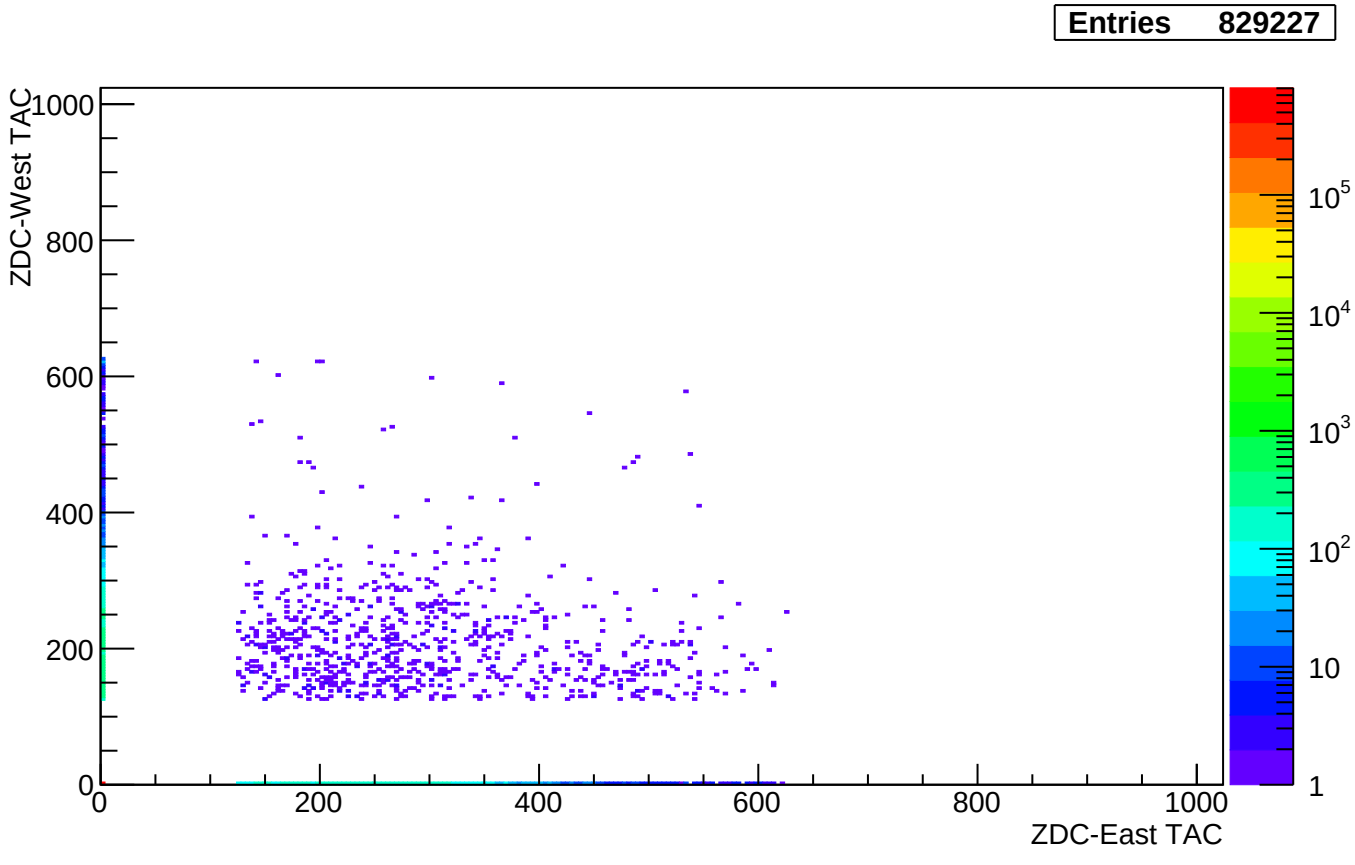

Entries 829227
TOF-Mult
VPD-East ADC Sum

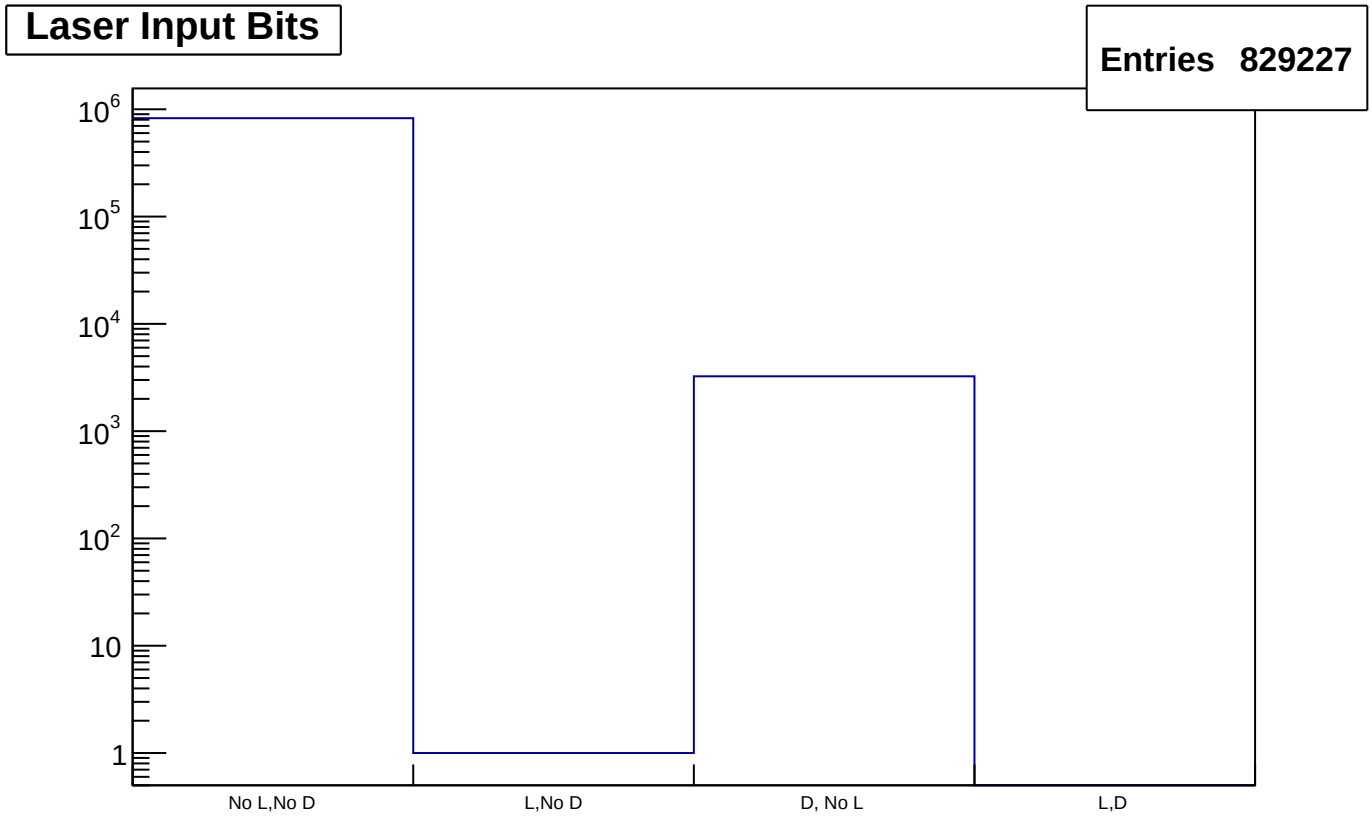

Entries 829227
TOF-Mult
VPD-West ADC Sum

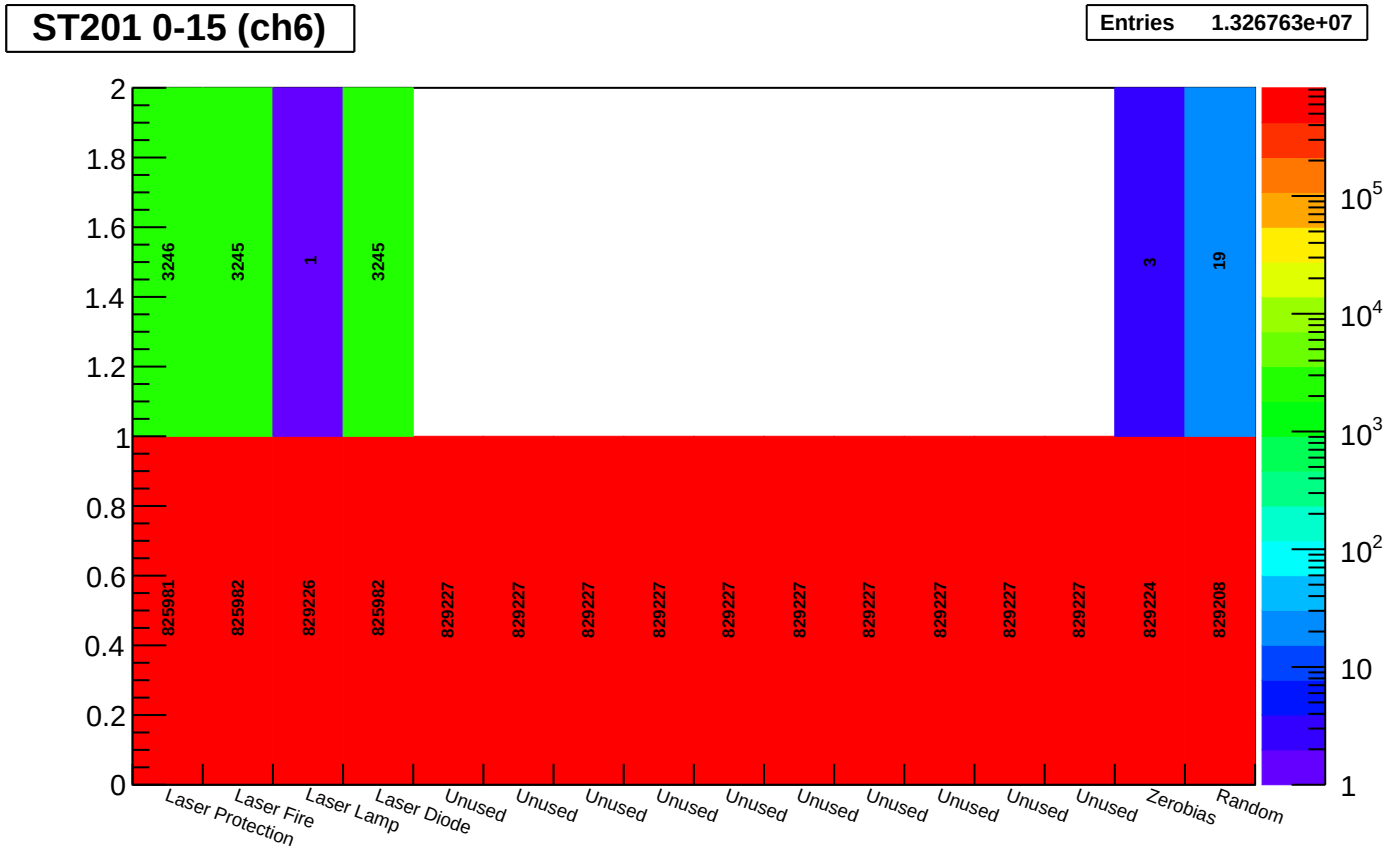

Entries 829227
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}


Entries 829227
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

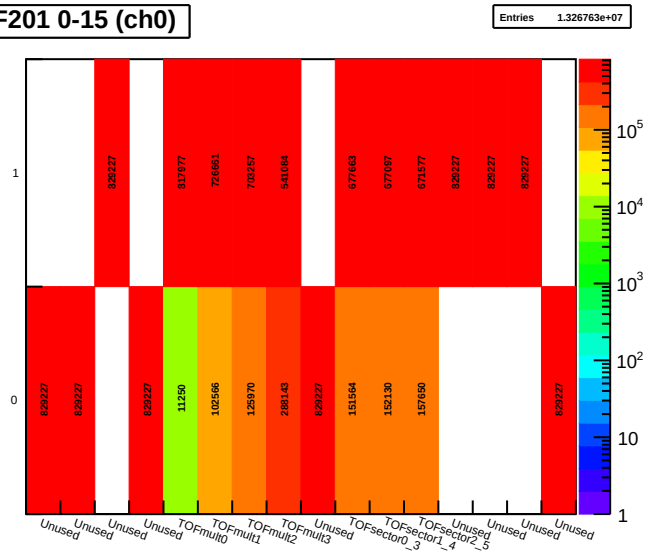

Entries 829227
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}


Entries 829227
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

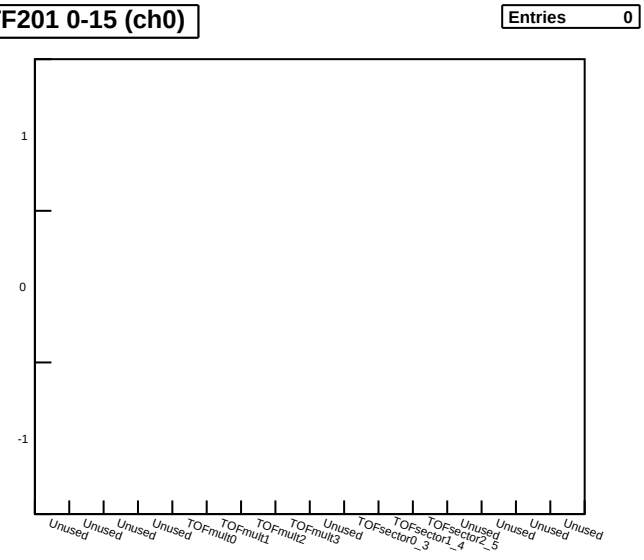

Laser Input Bits
Entries 829227
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D


ST201 0-15 (ch6)
Entries 1.326763e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3246
3245
1
3245
3
19
825981
825982
829226
825982
829227
829227
829227
829227
829227
829227
829227
829227
829227
829227
829224
829208
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

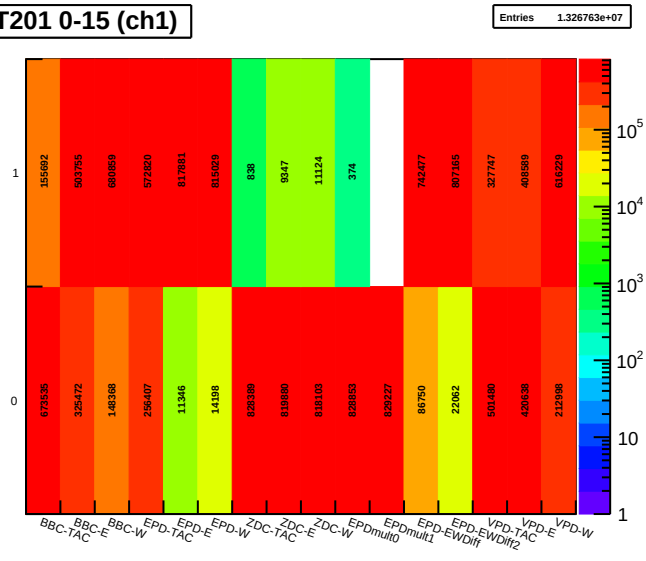
TF201 0-15 (ch0)



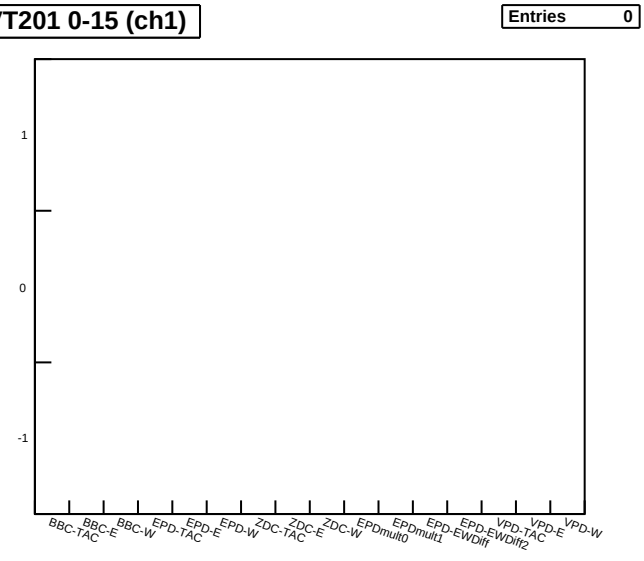
TF201 0-15 (ch0)



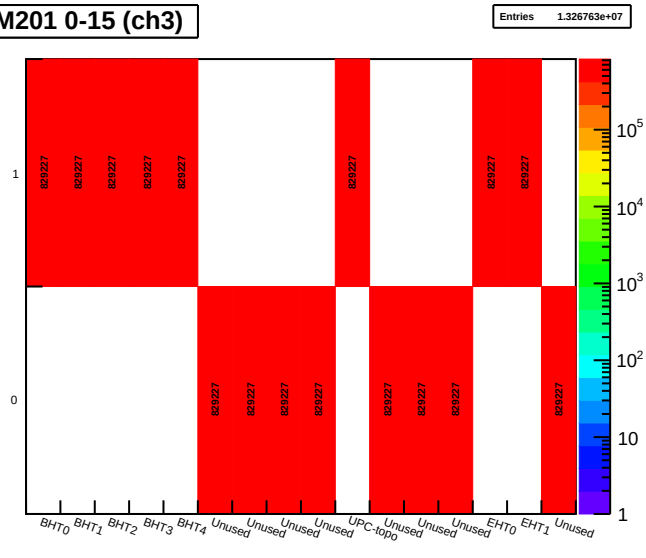
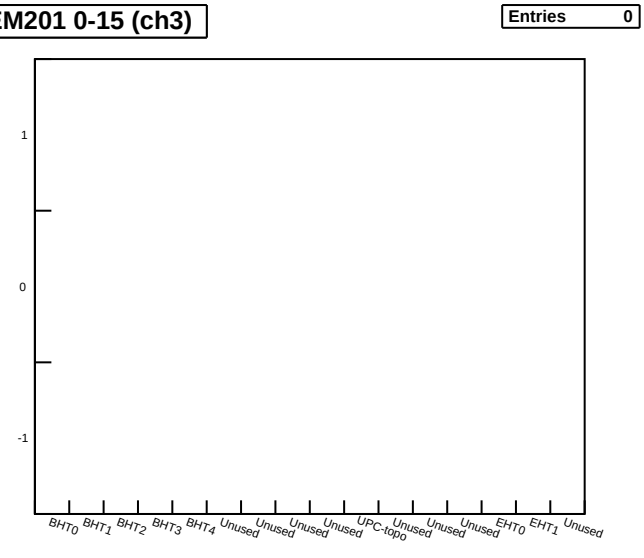
VT201 0-15 (ch1)



VT201 0-15 (ch1)



EM201 0-15 (ch3)



EM201 0-15 (ch3)