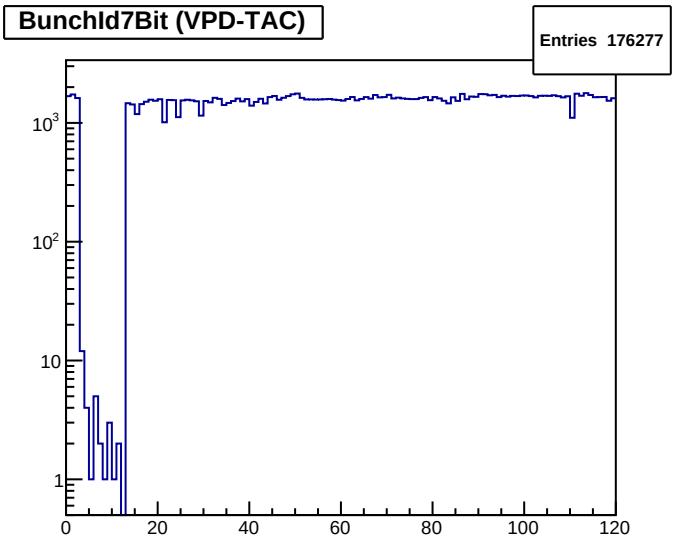
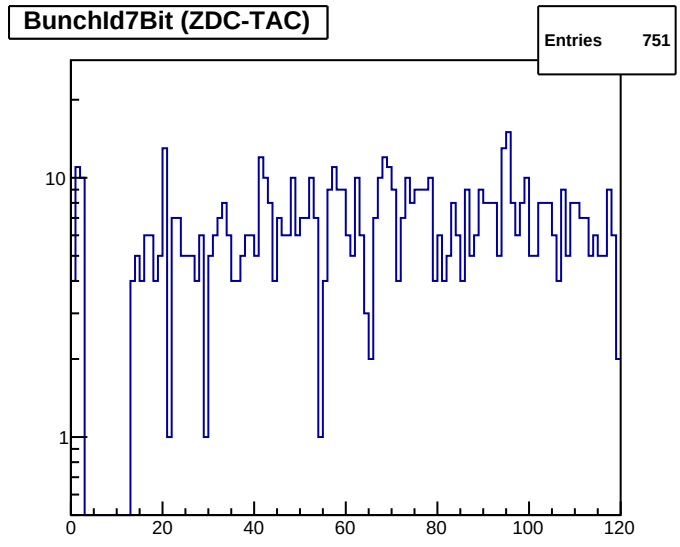
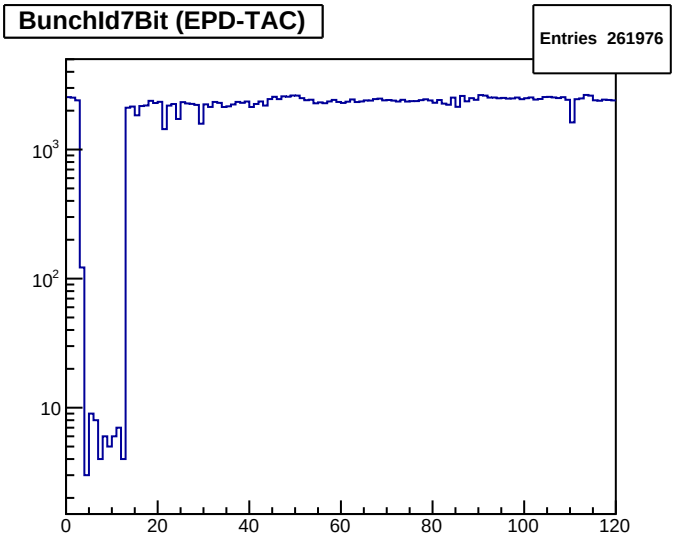
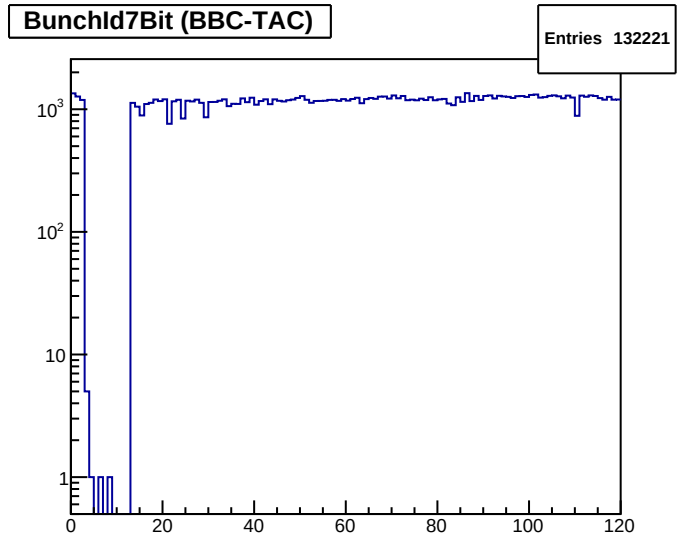
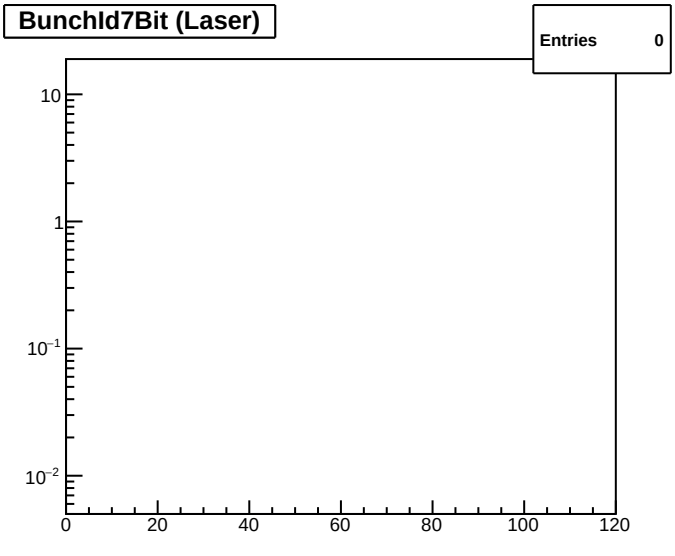
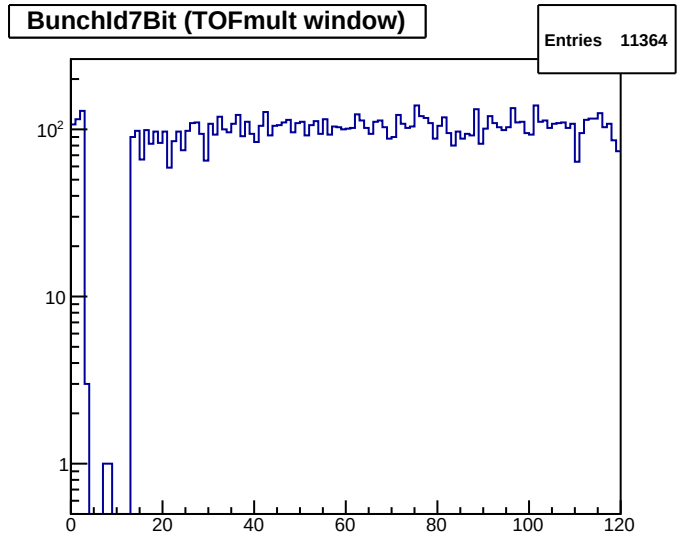

BunchId7Bit (VPD-TAC)
Entries 176277

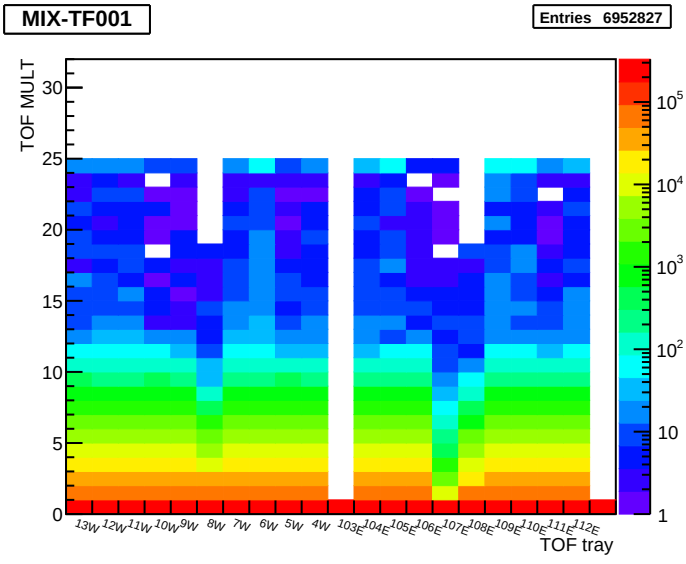

BunchId7Bit (ZDC-TAC)
Entries 751

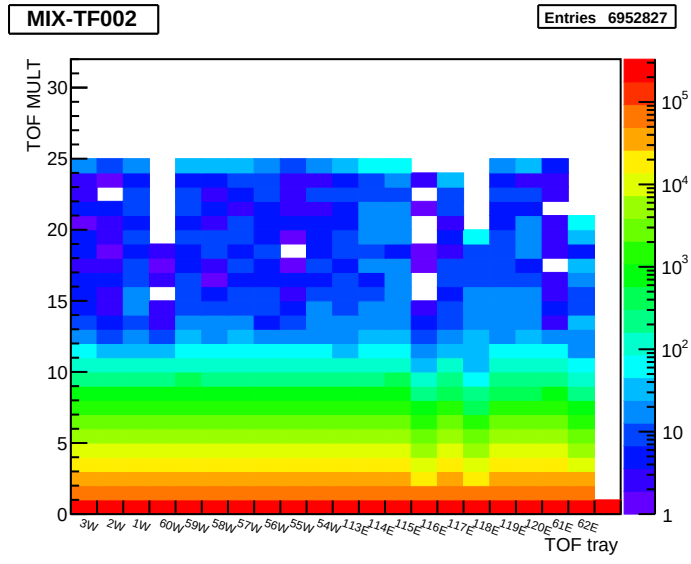

BunchId7Bit (EPD-TAC)
Entries 261976

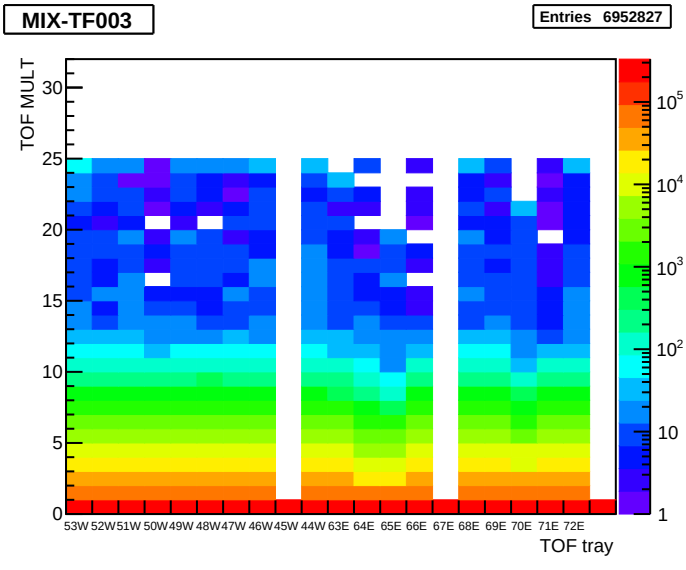

BunchId7Bit (BBC-TAC)
Entries 132221

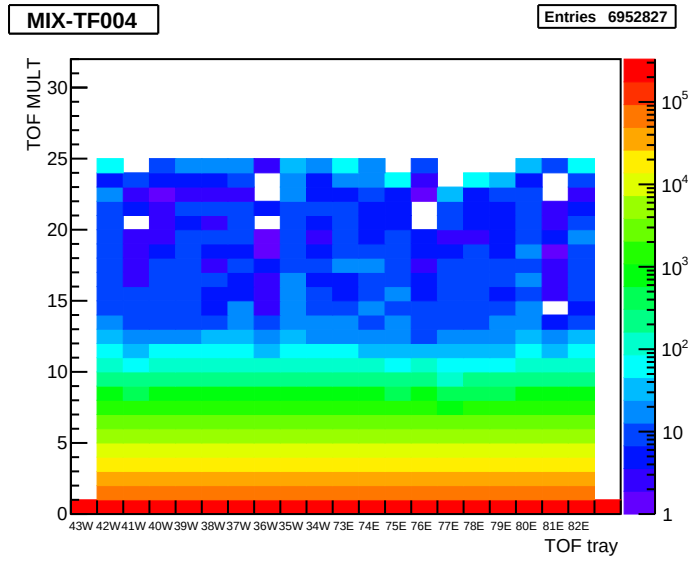

BunchId7Bit (Laser)
Entries 0

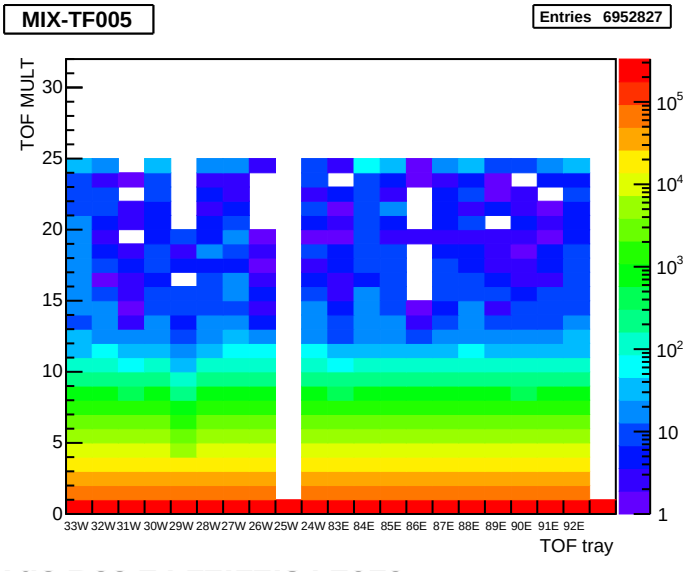

BunchId7Bit (TOFmult window)
Entries 11364

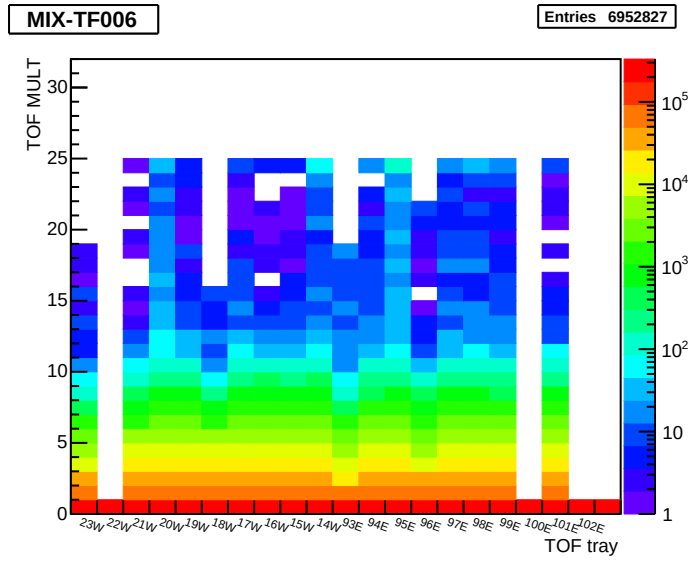

MIX-TF001
Entries 6952827
TOF MULT
TOF tray

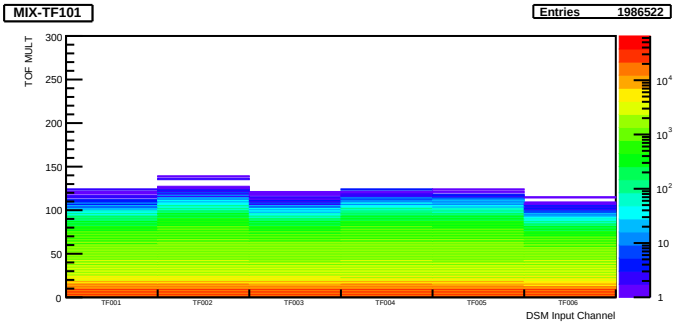

MIX-TF002
Entries 6952827
TOF MULT
TOF tray

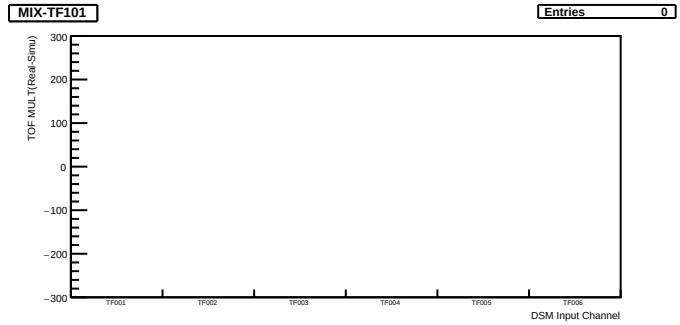

MIX-TF003
Entries 6952827
TOF MULT
TOF tray

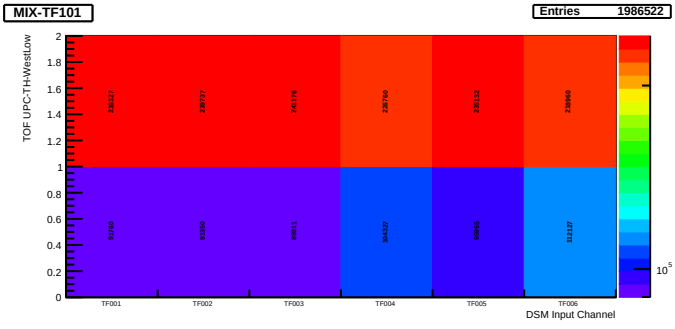

MIX-TF004
Entries 6952827
TOF MULT
TOF tray

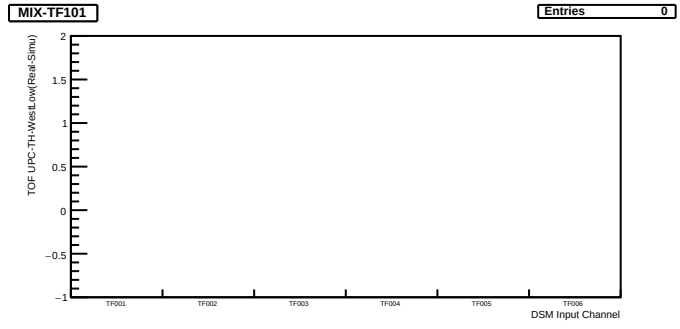

MIX-TF005
Entries 6952827
TOF MULT
TOF tray

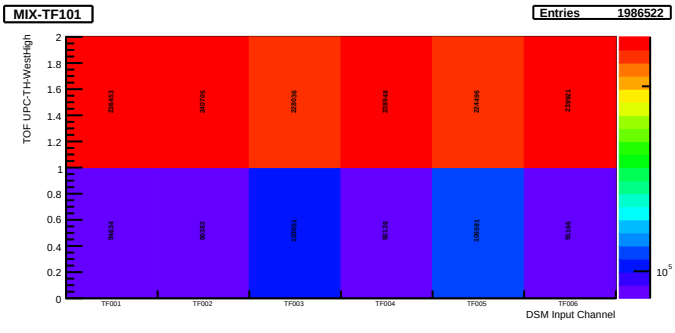

MIX-TF006
Entries 6952827
TOF MULT
TOF tray

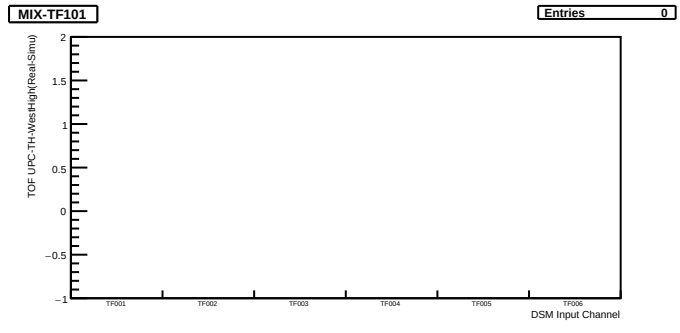

MIX-TF101
Entries 1986522
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

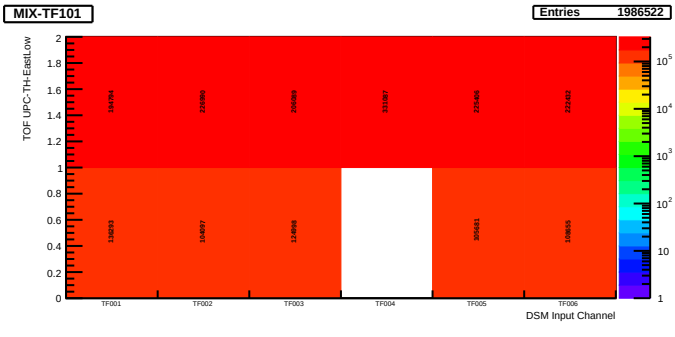

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

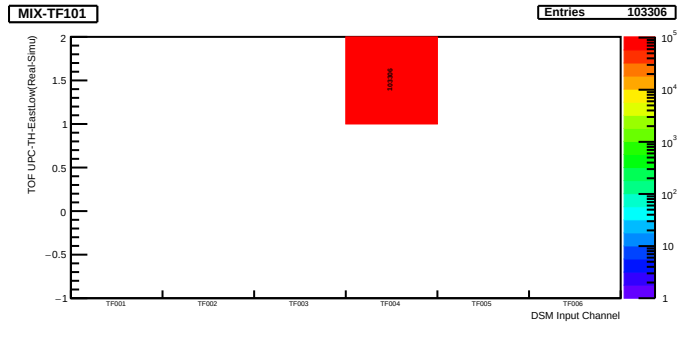

MIX-TF101
Entries 1986522
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

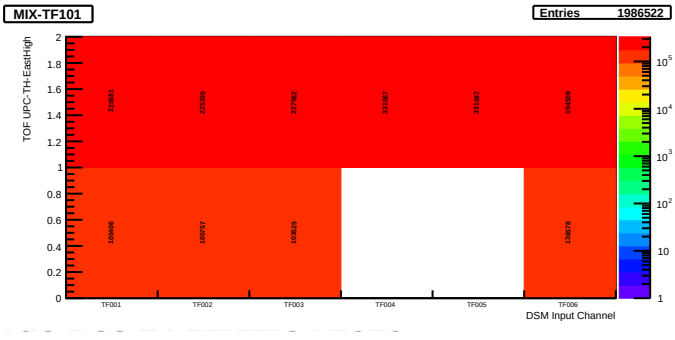

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

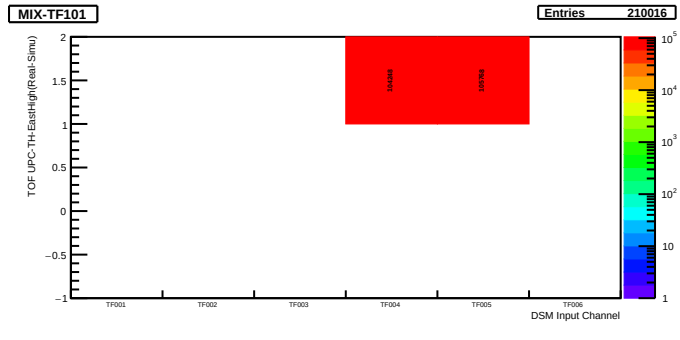

MIX-TF101
Entries 1986522
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

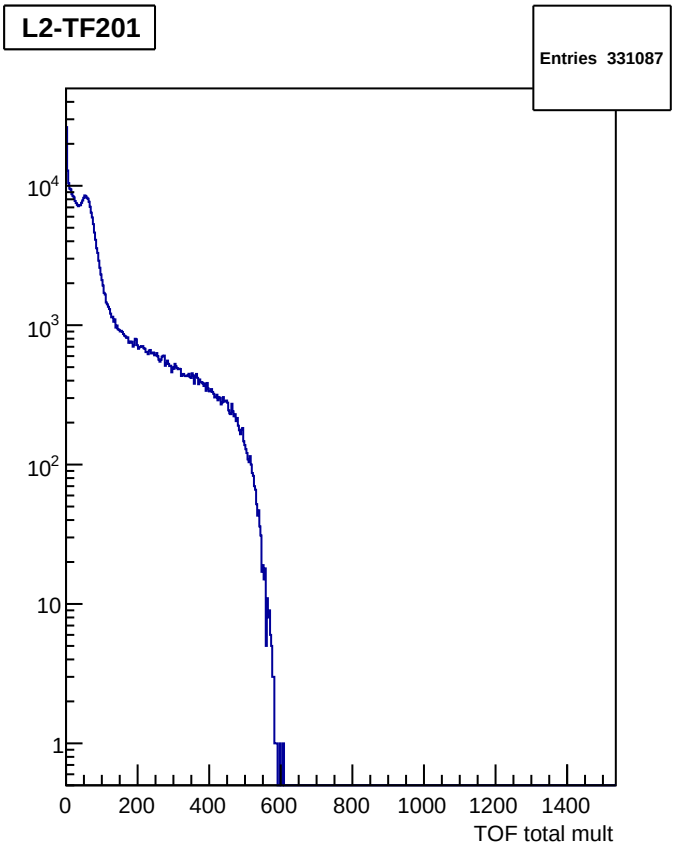

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

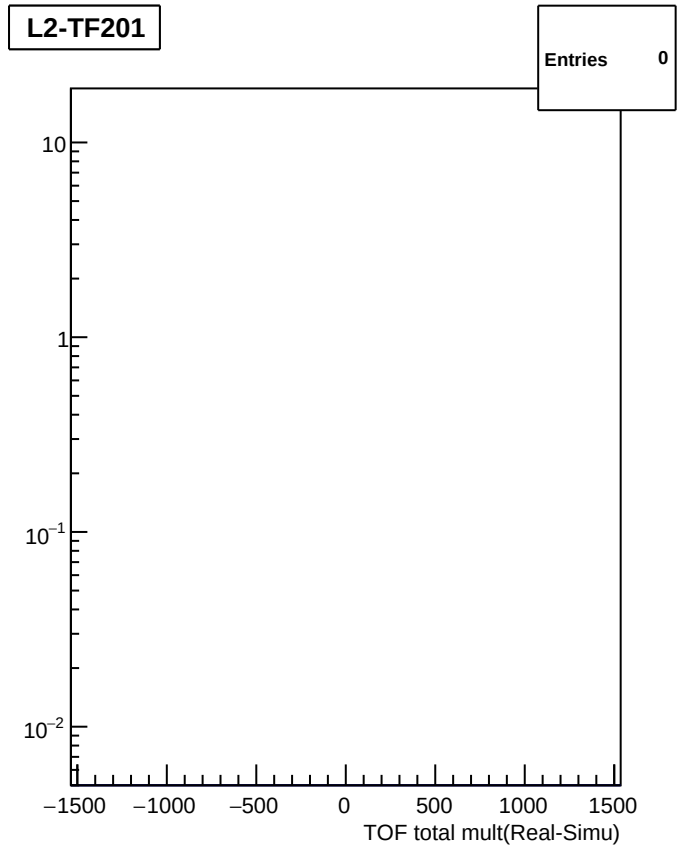

MIX-TF101
Entries 1986522
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

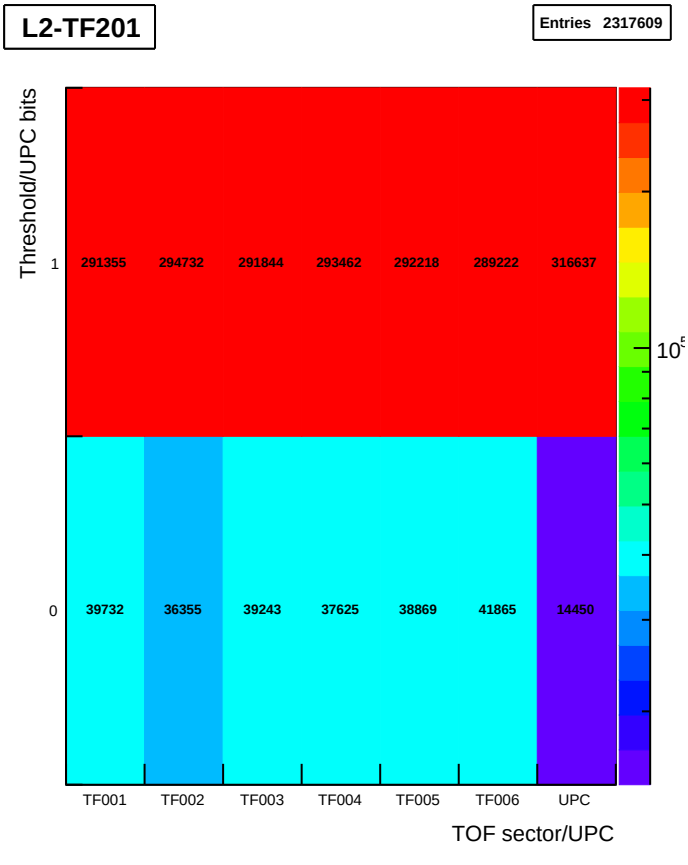

MIX-TF101
Entries 103306
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

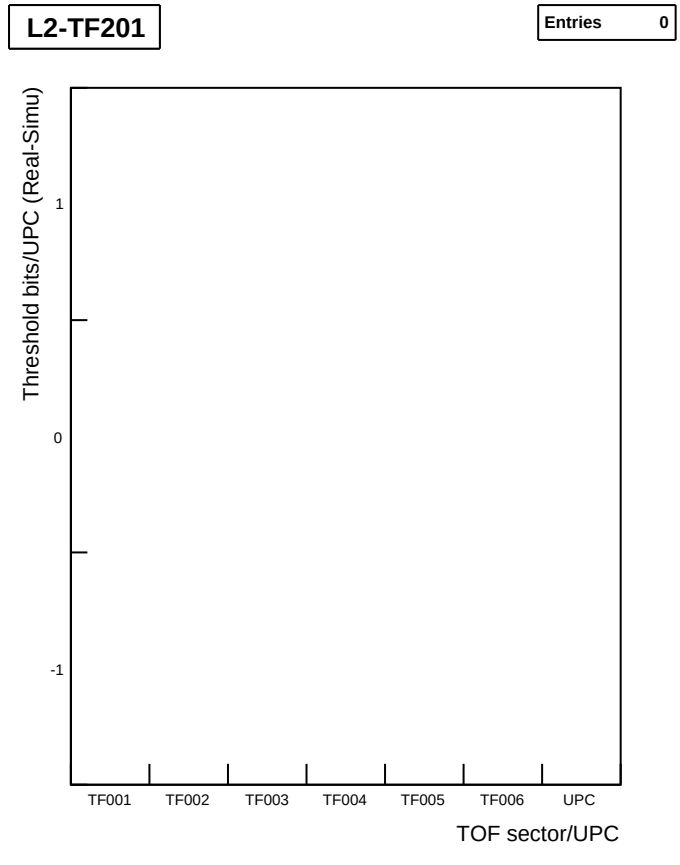

MIX-TF101
Entries 1986522
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

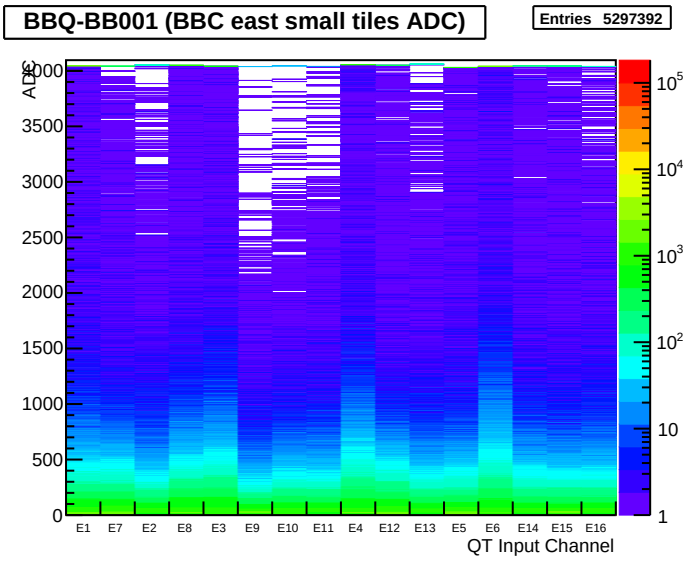

MIX-TF101
Entries 210016
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

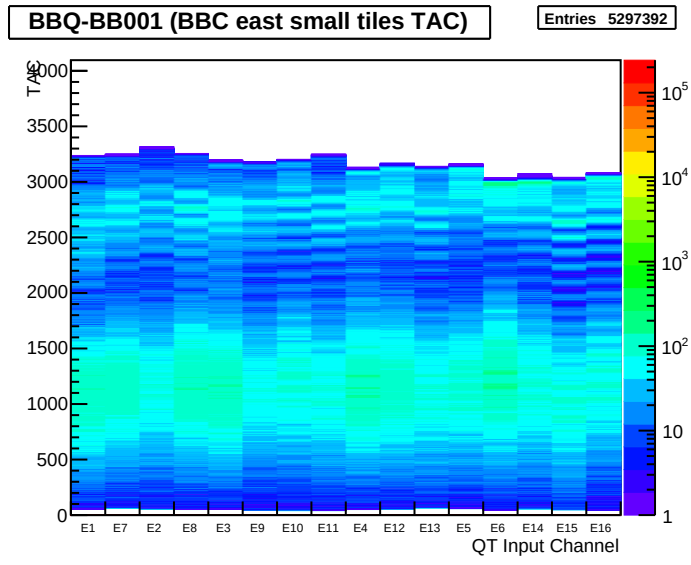

L2-TF201
Entries 331087
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

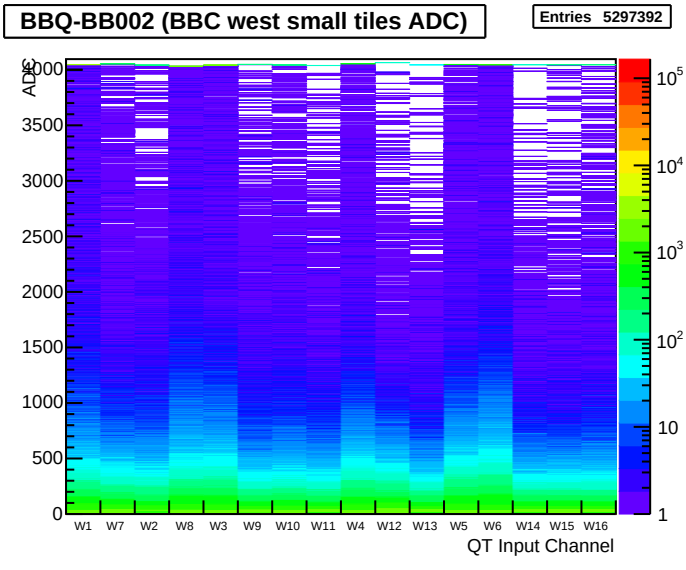

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

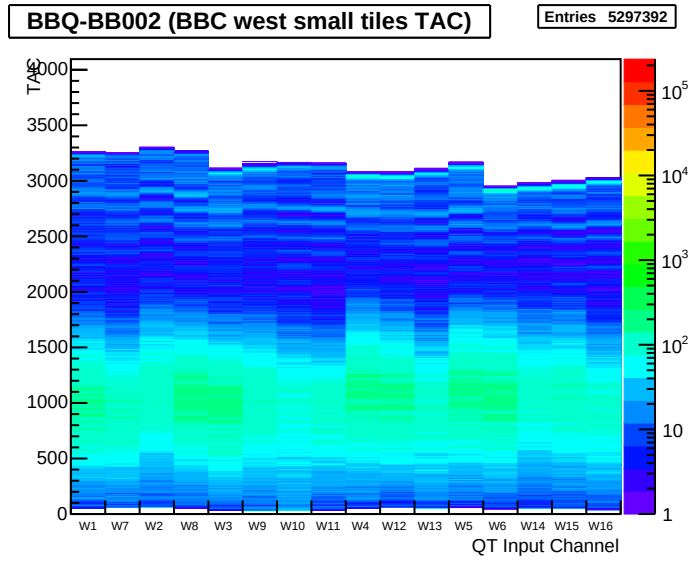

L2-TF201
Entries 2317609
Threshold/UPC bits
1
0
291355
294732
291844
293462
292218
289222
316637
39732
36355
39243
37625
38869
41865
14450
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

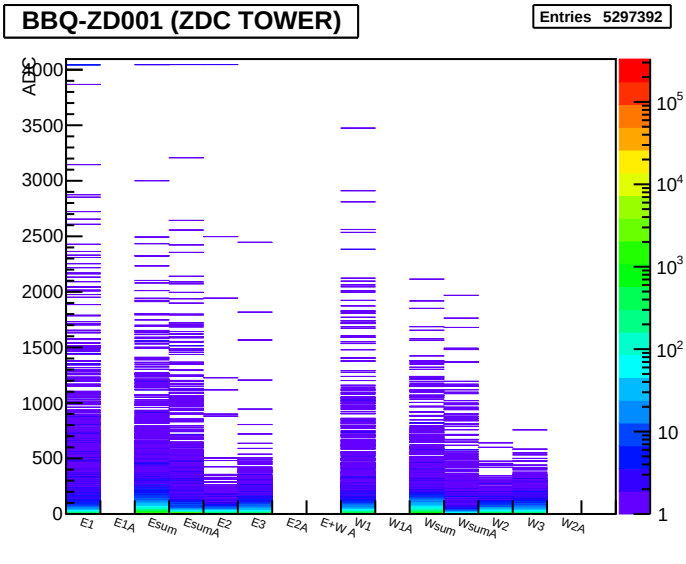

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

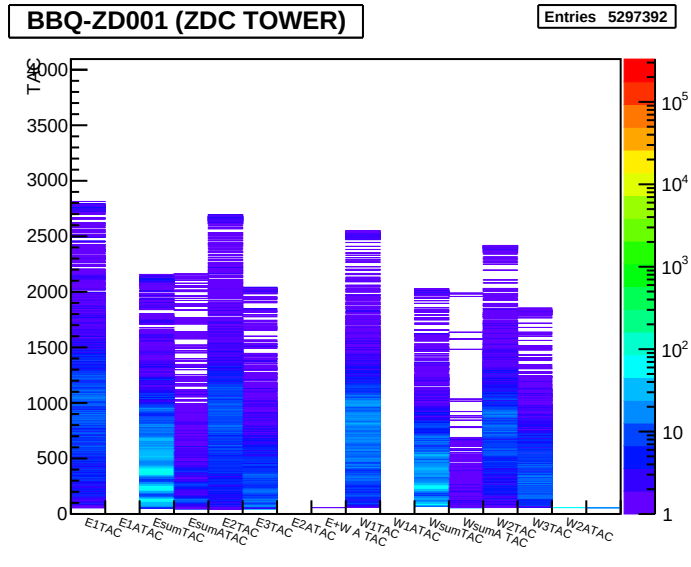

BBQ-BB001 (BBC east small tiles ADC)
Entries 5297392
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

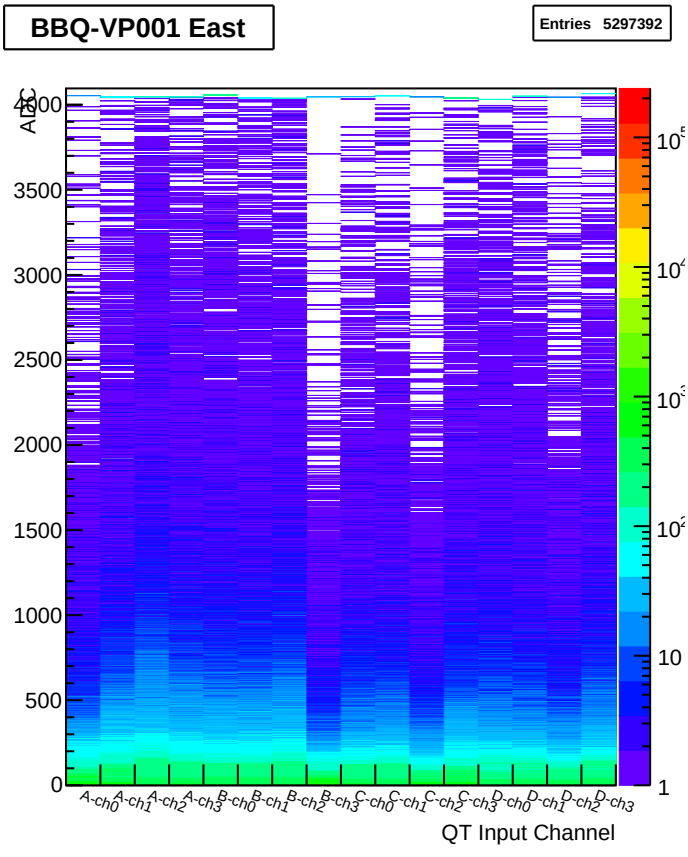

BBQ-BB001 (BBC east small tiles TAC)
Entries 5297392
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

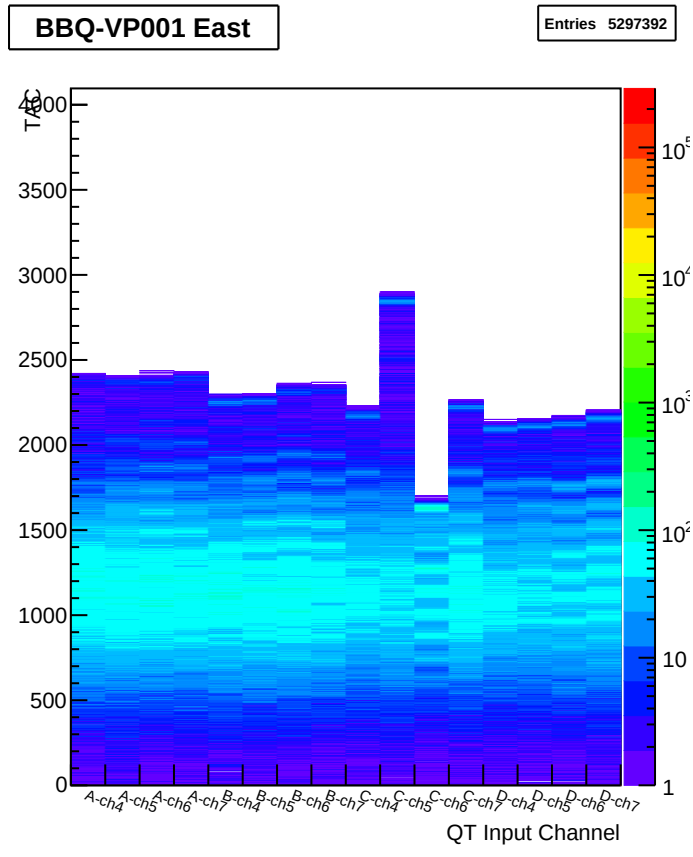

BBQ-BB002 (BBC west small tiles ADC)
Entries 5297392
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

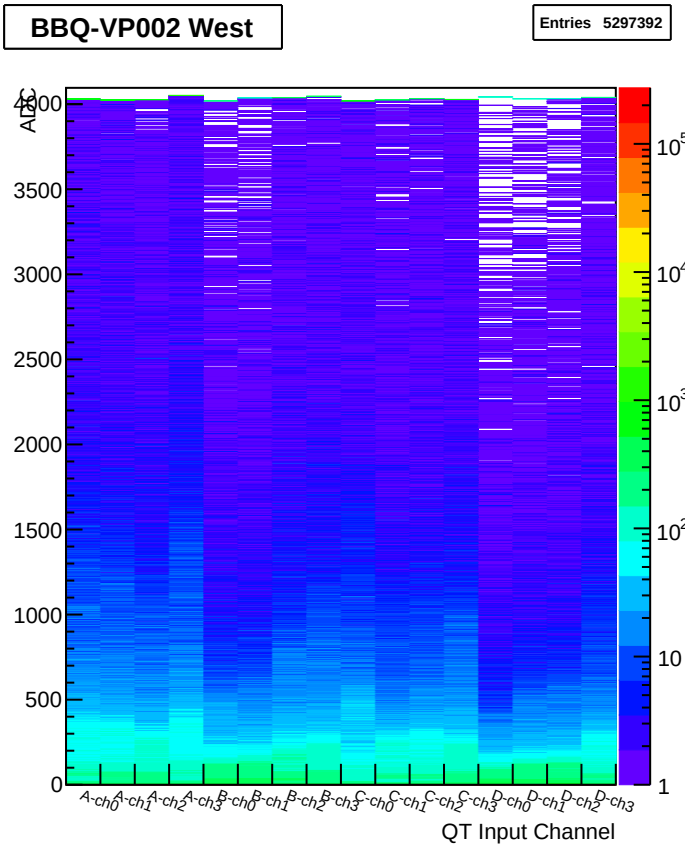

BBQ-BB002 (BBC west small tiles TAC)
Entries 5297392
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

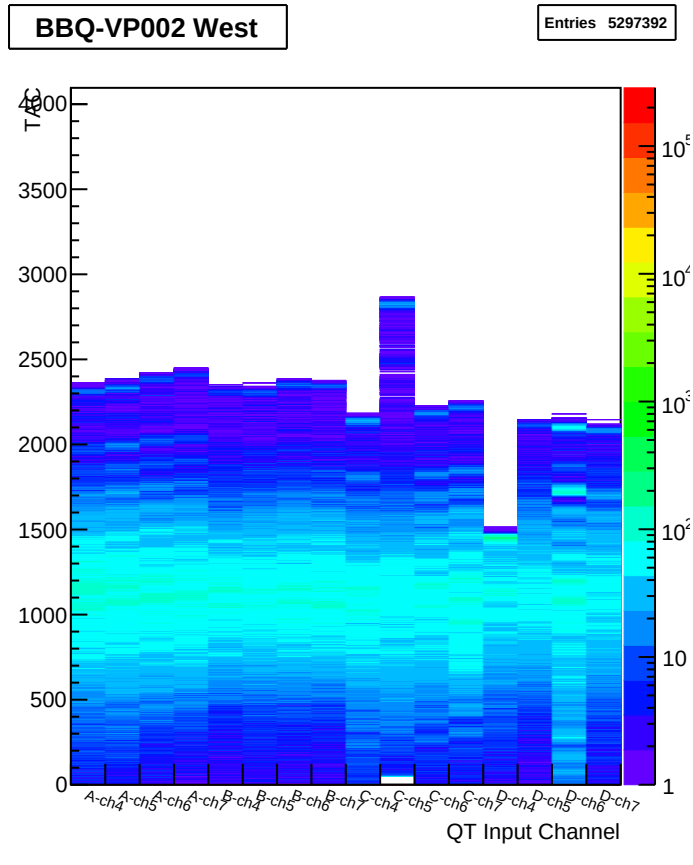

BBQ-ZD001 (ZDC TOWER)
Entries 5297392
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

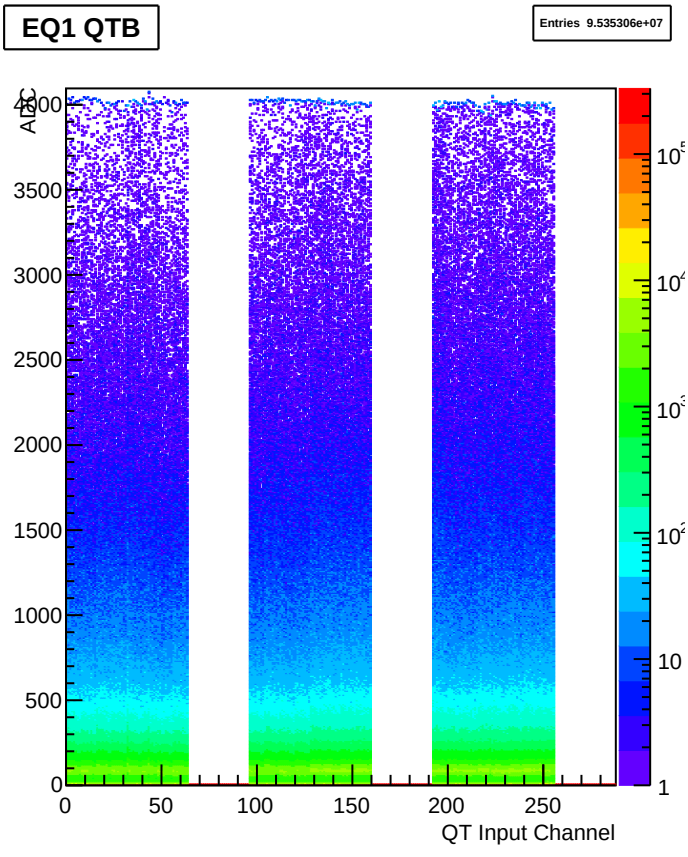

BBQ-ZD001 (ZDC TOWER)
Entries 5297392
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

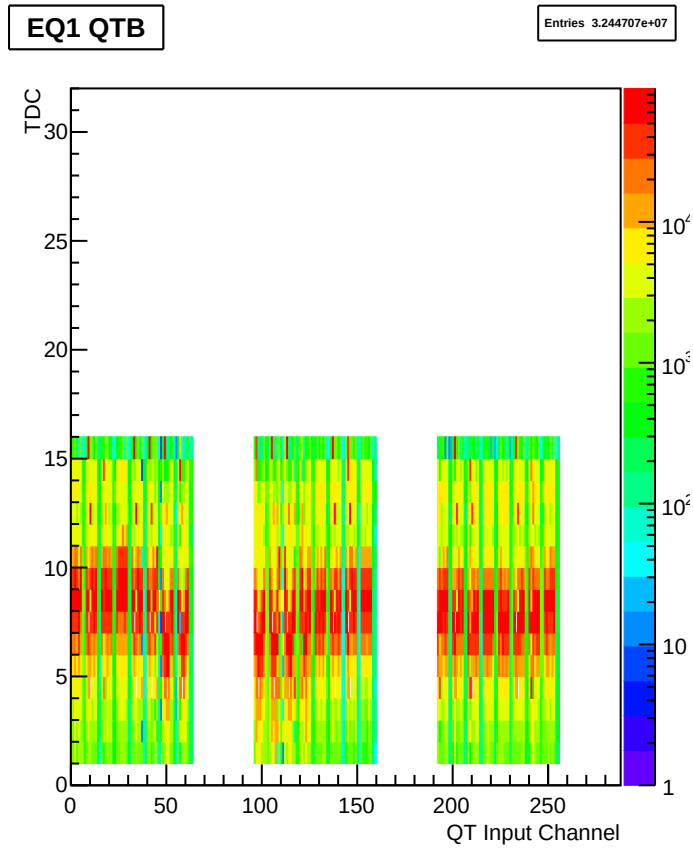

BBQ-VP001 East
Entries 5297392
ADC
QT Input Channel

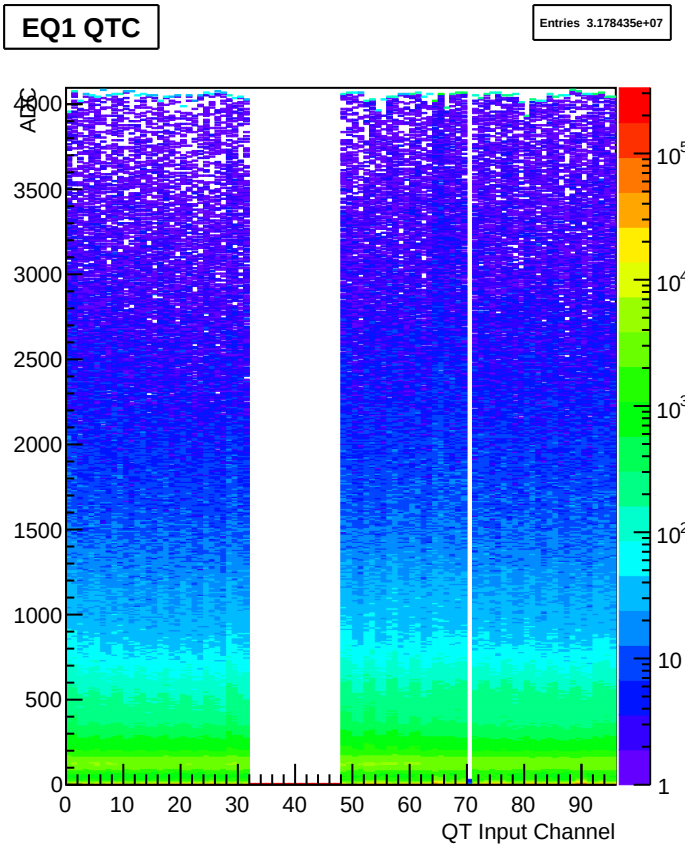

BBQ-VP001 East
Entries 5297392
TADC
QT Input Channel

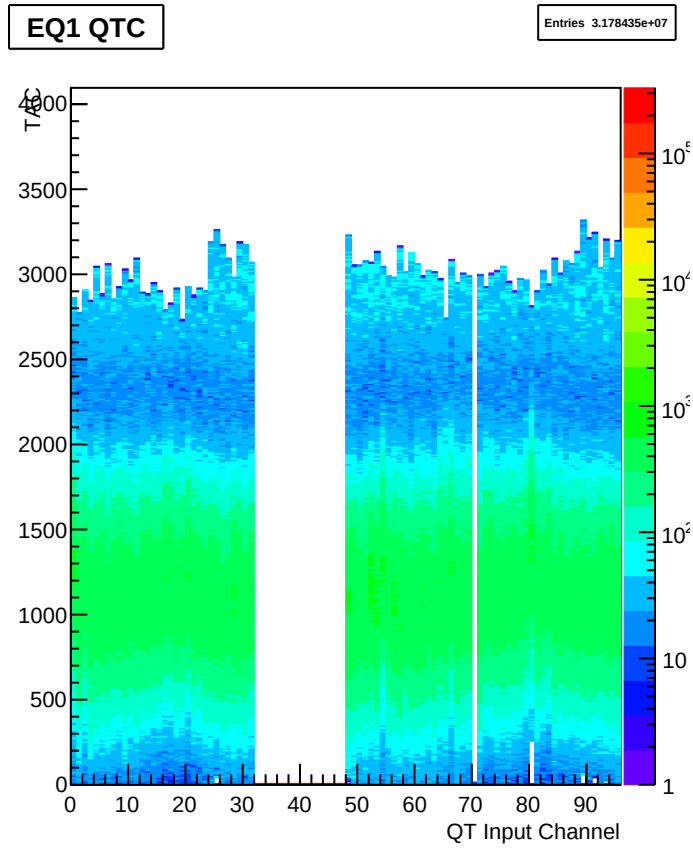

BBQ-VP002 West
Entries 5297392
ADC
QT Input Channel

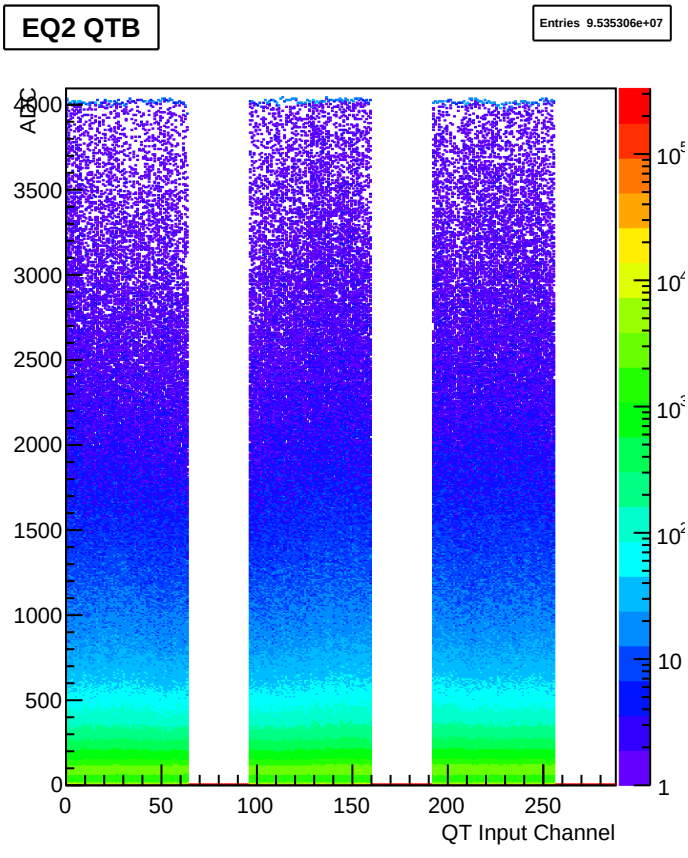

BBQ-VP002 West
Entries 5297392
TADC
QT Input Channel

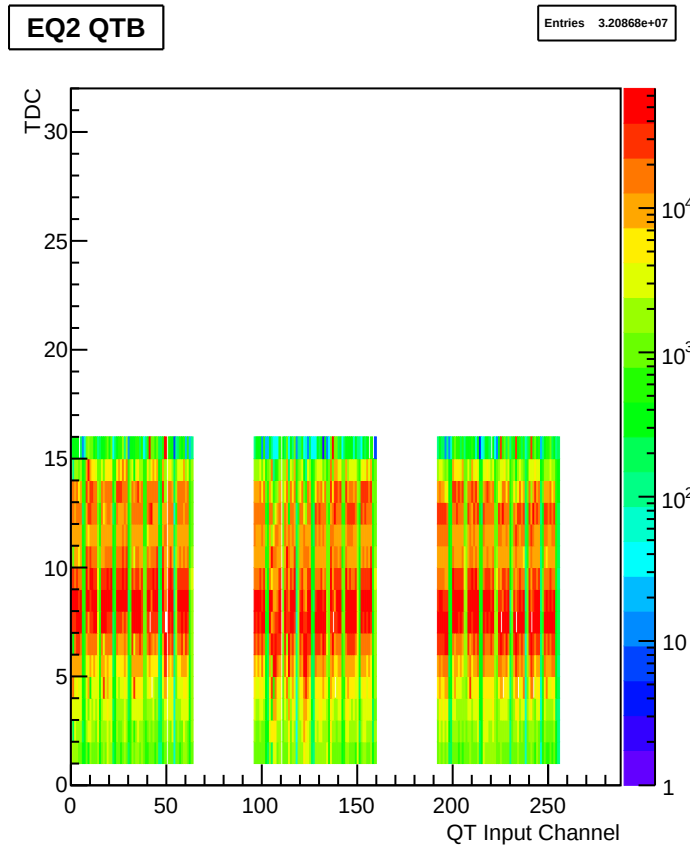

EQ1 QTB
Entries 9.535306e+07
ADC
QT Input Channel

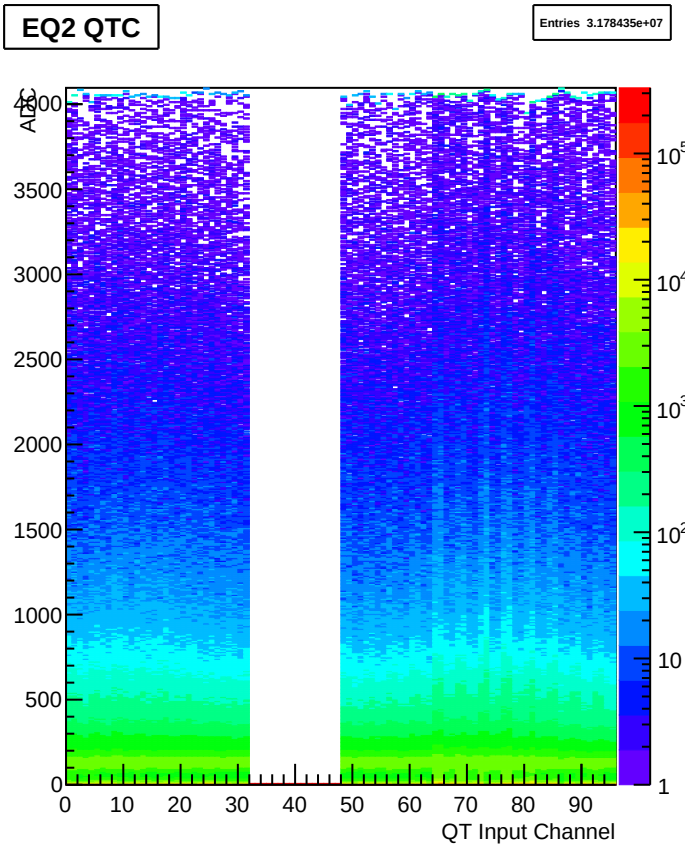

EQ1 QTB
Entries 3.244707e+07
TDC
QT Input Channel

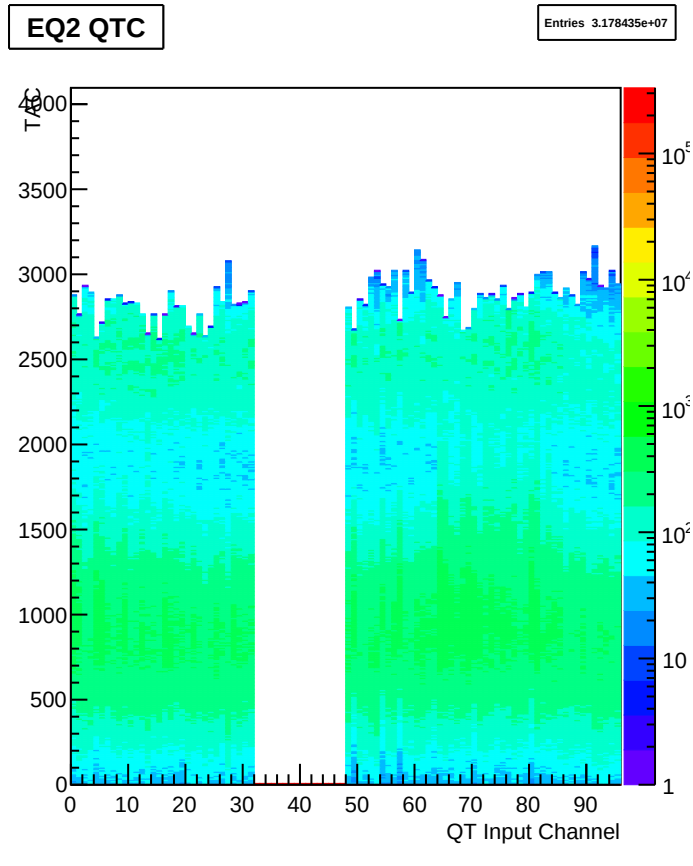

EQ1 QTC
Entries 3.178435e+07
ADC
QT Input Channel

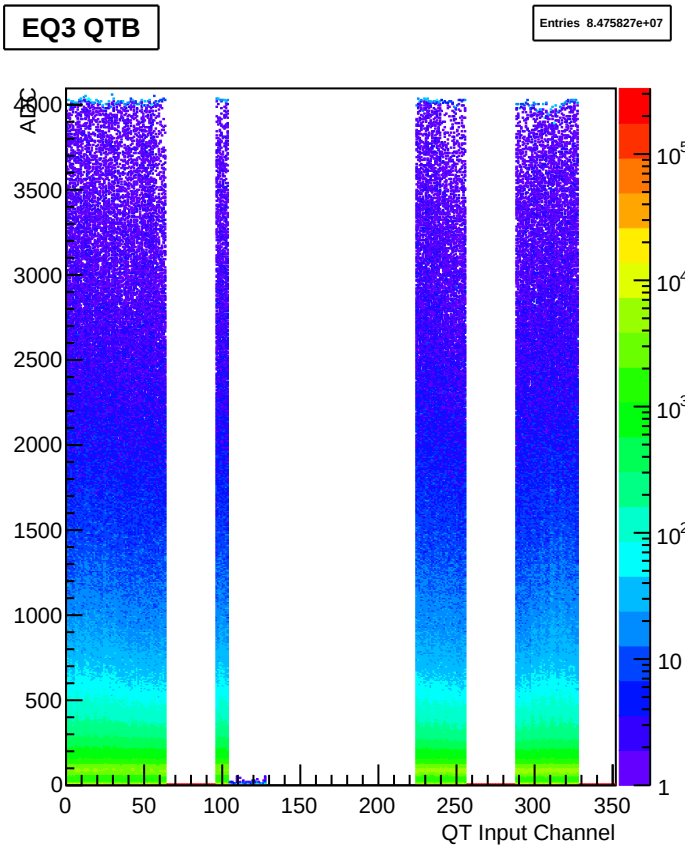

EQ1 QTC
Entries 3.178435e+07
TADC
QT Input Channel

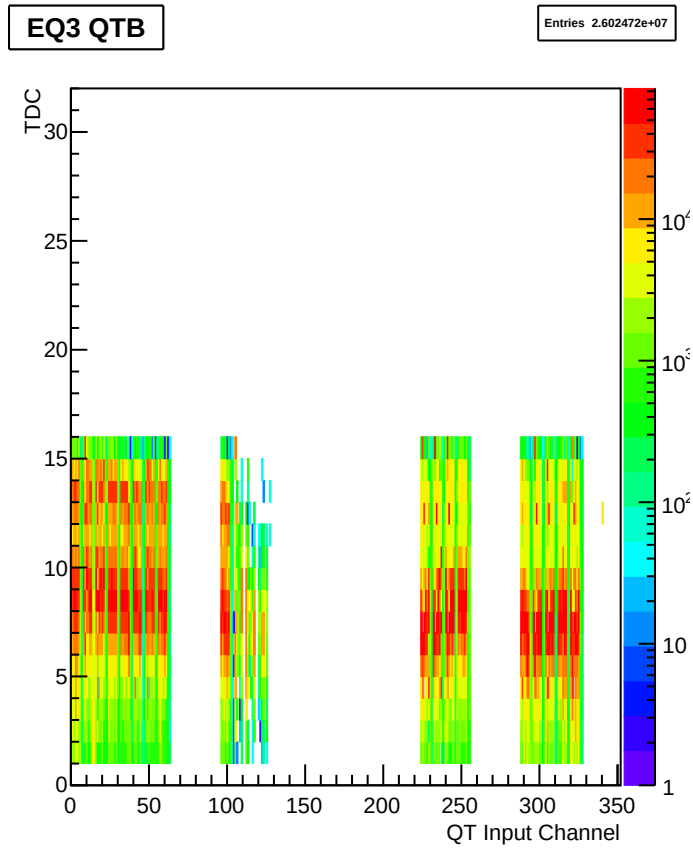

EQ2 QTB
Entries 9.535306e+07
ADC
QT Input Channel

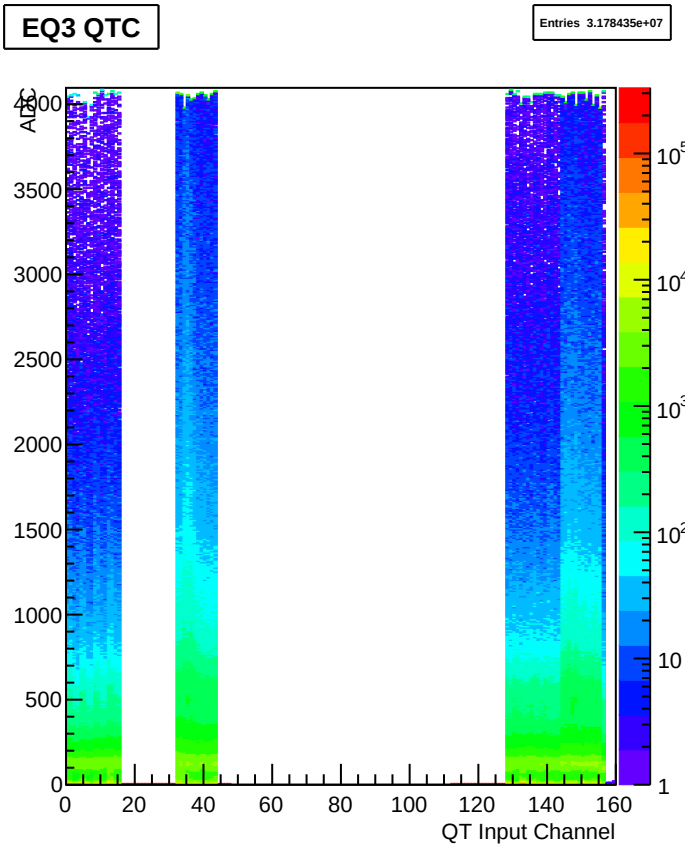

EQ2 QTB
Entries 3.20868e+07
TDC
QT Input Channel

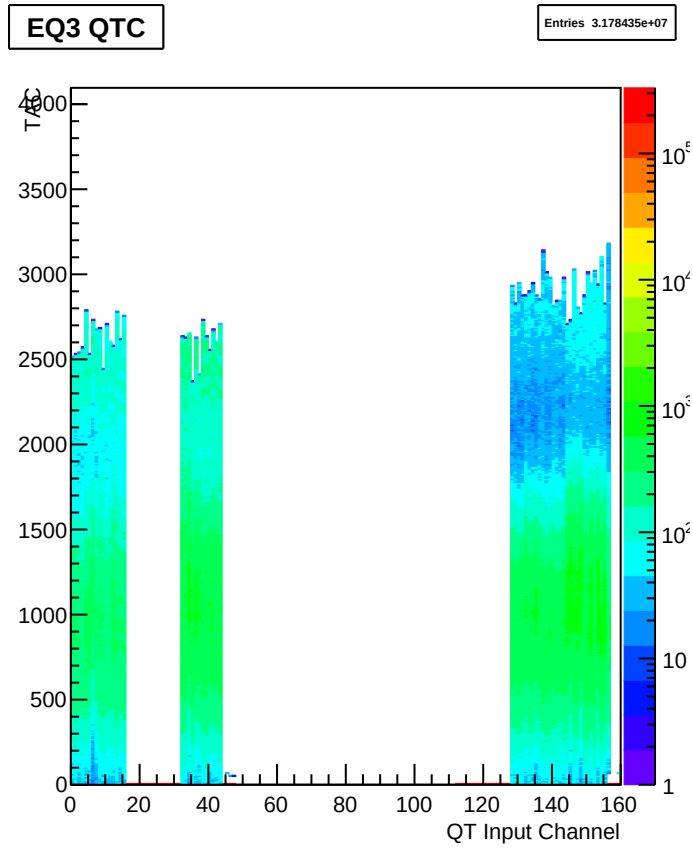

EQ2 QTC
Entries 3.178435e+07
ADC
QT Input Channel

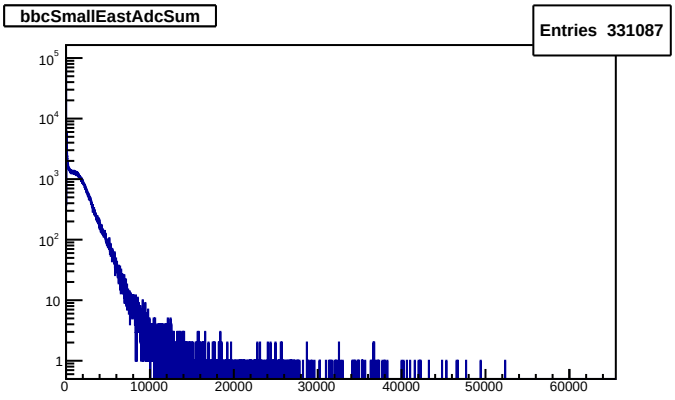

EQ2 QTC
Entries 3.178435e+07
TADC
QT Input Channel

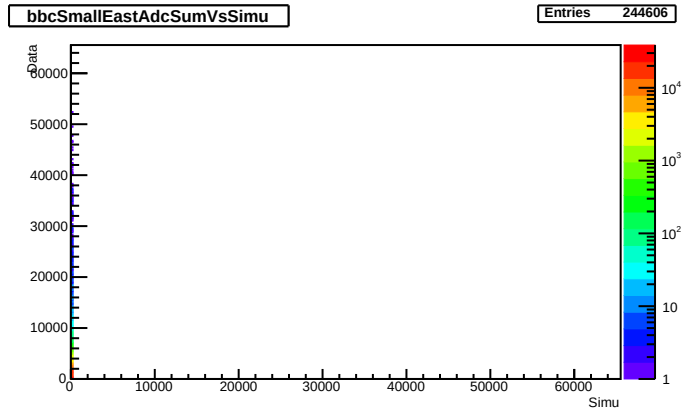

EQ3 QTB
Entries 8.475827e+07
ADC
QT Input Channel

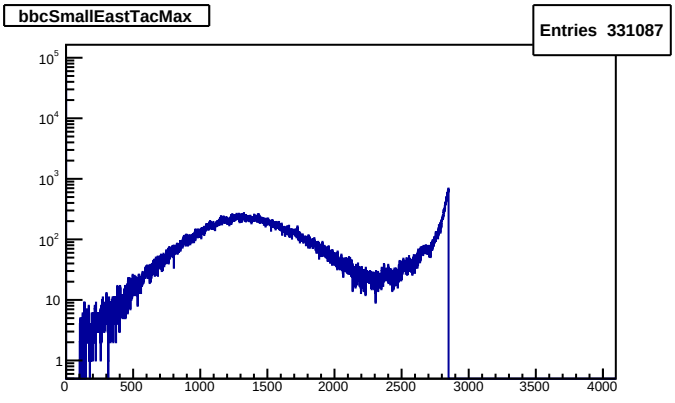

EQ3 QTB
Entries 2.602472e+07
TDC
QT Input Channel

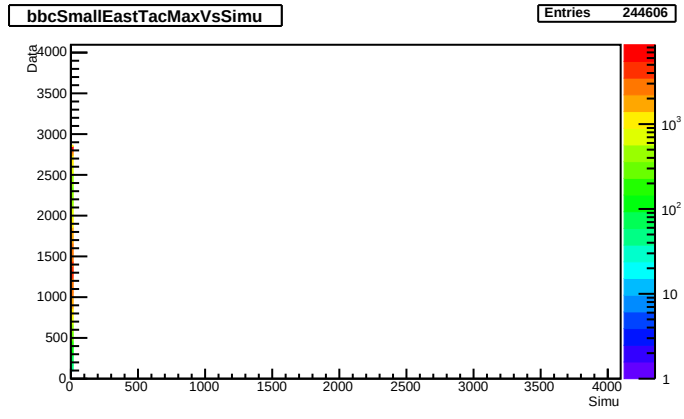

EQ3 QTC
Entries 3.178435e+07
ADC
QT Input Channel

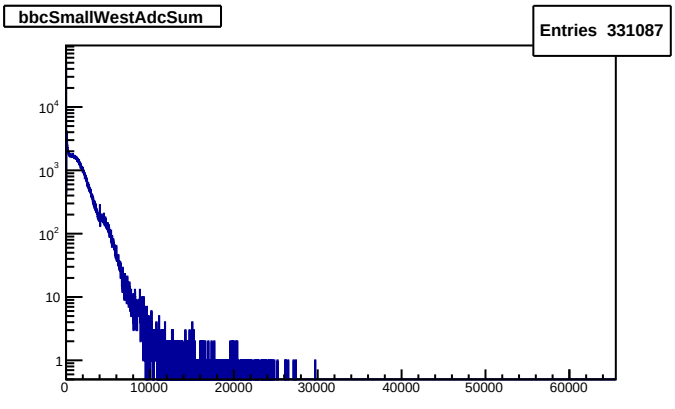

EQ3 QTC
Entries 3.178435e+07
TADC
QT Input Channel

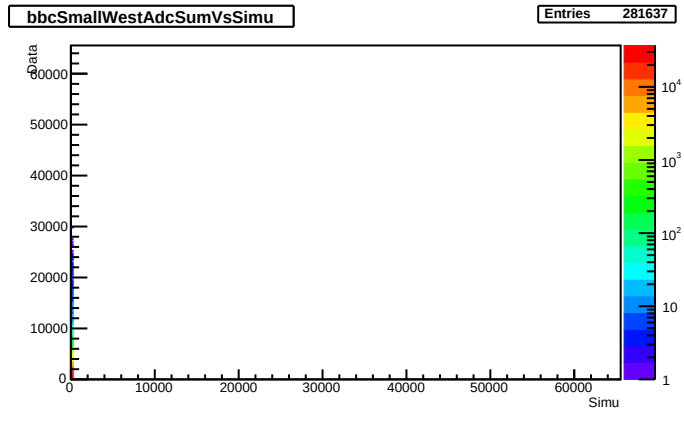

bbcSmallEastAdcSum
Entries 331087

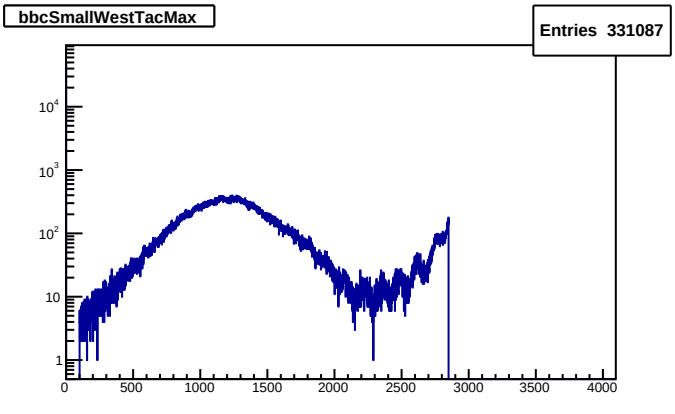

bbcSmallEastAdcSumVsSimu
Entries 244606
Data
Simu

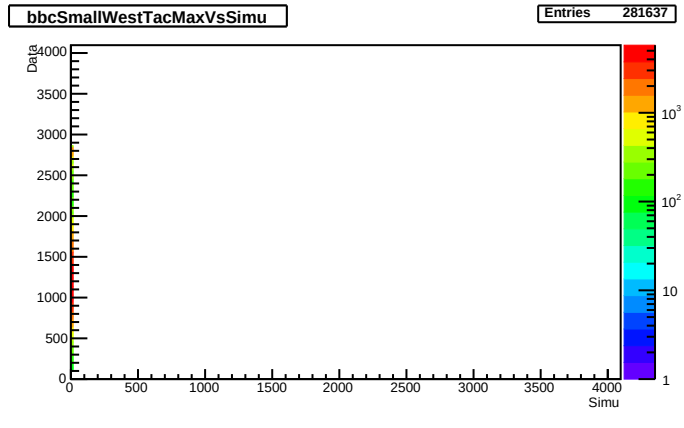

bbcSmallEastTacMax
Entries 331087

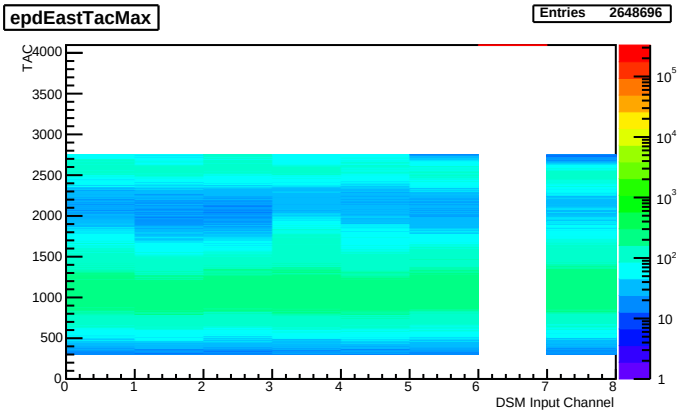

bbcSmallEastTacMaxVsSimu
Entries 244606
Data
Simu

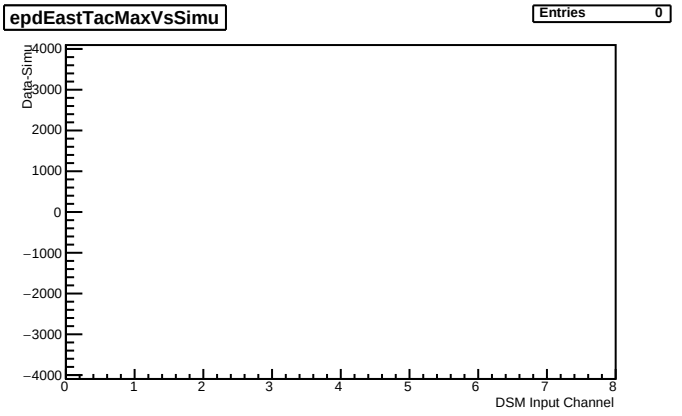

bbcSmallWestAdcSum
Entries 331087

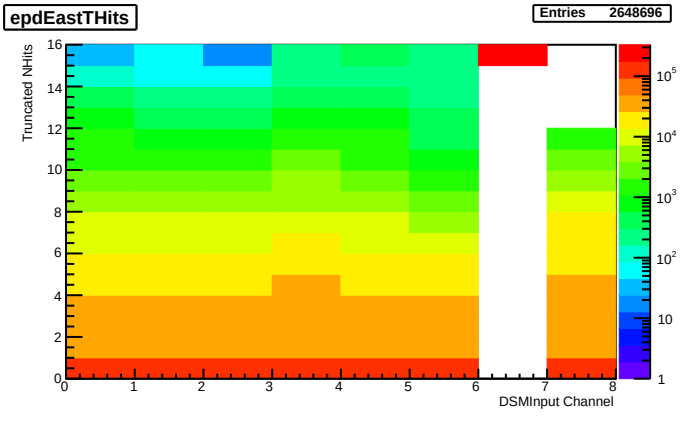

bbcSmallWestAdcSumVsSimu
Entries 281637
Data
Simu

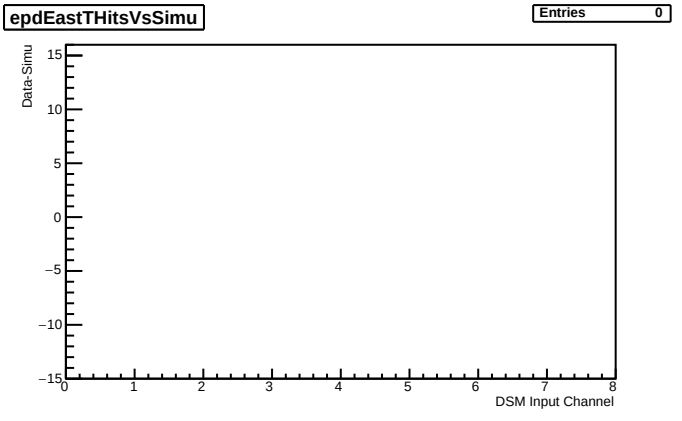

bbcSmallWestTacMax
Entries 331087

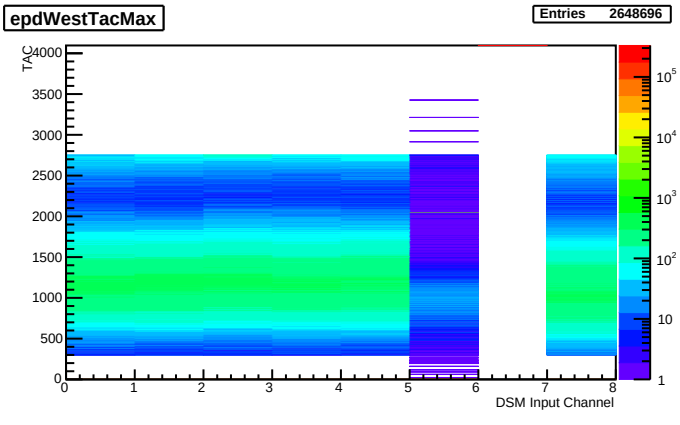

bbcSmallWestTacMaxVsSimu
Entries 281637
Data
Simu

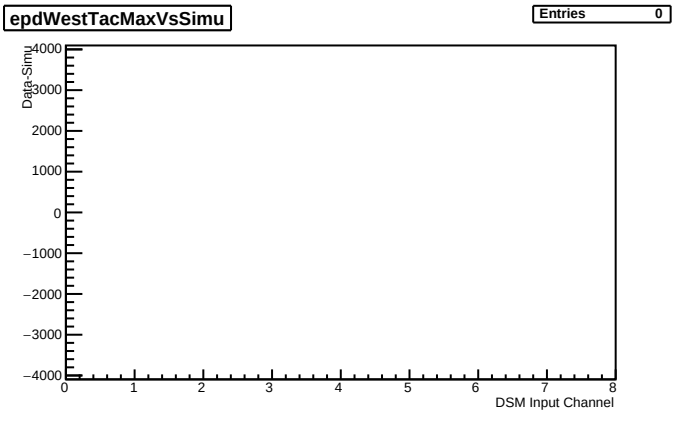

epdEastTacMax
Entries 2648696
TAC
DSM Input Channel

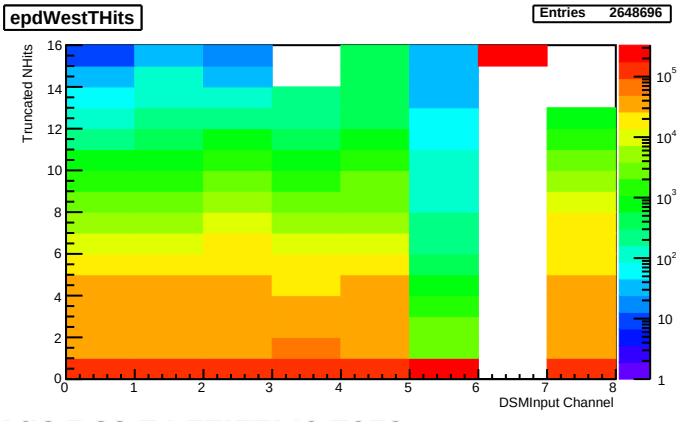

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

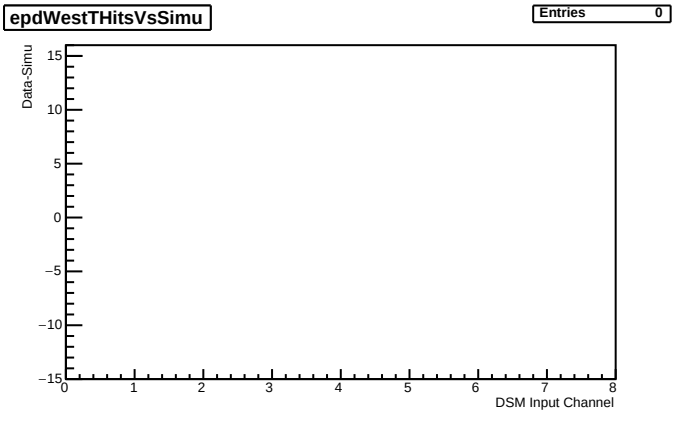

epdEastTHits
Entries 2648696
Truncated NHits
DSMInput Channel

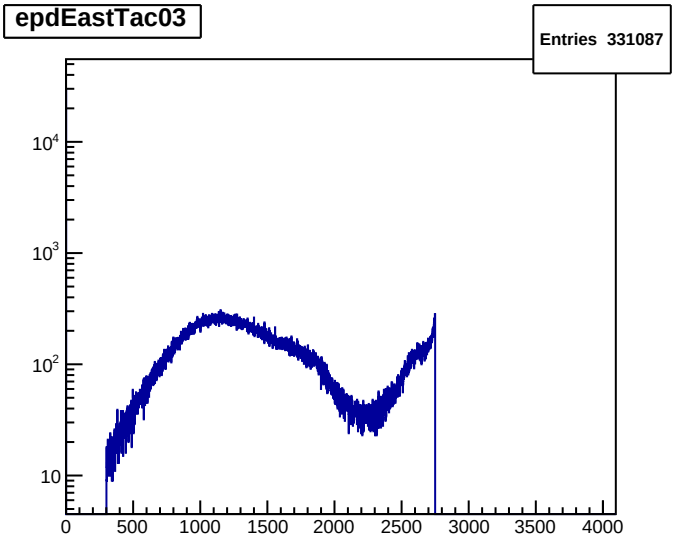

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

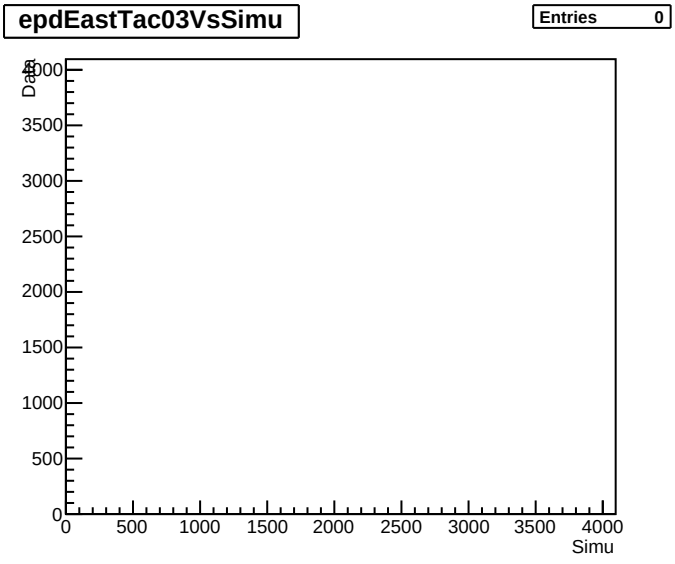

epdWestTacMax
Entries 2648696
TAC
DSM Input Channel

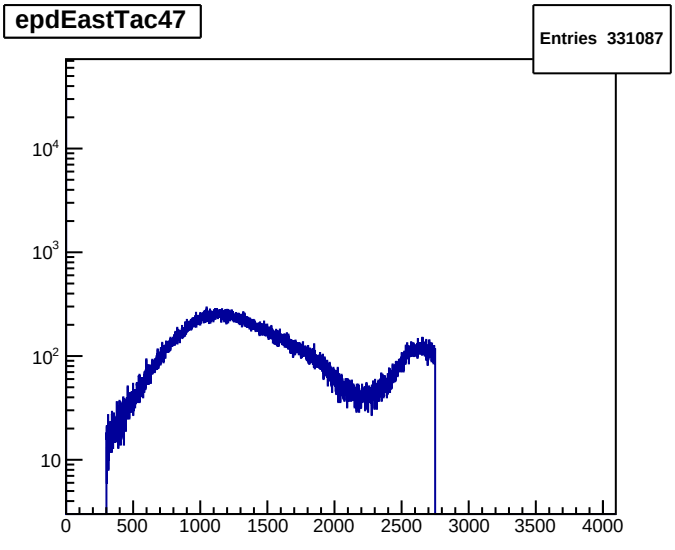

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

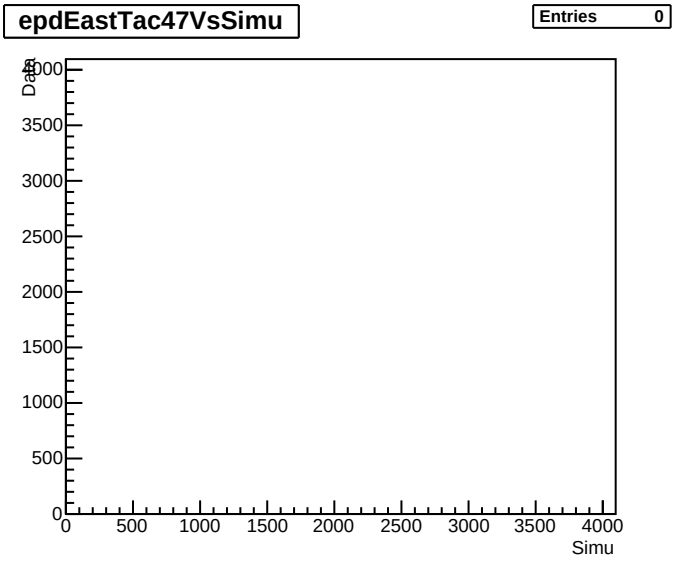

epdWestTHits
Entries 2648696
Truncated NHits
DSMInput Channel

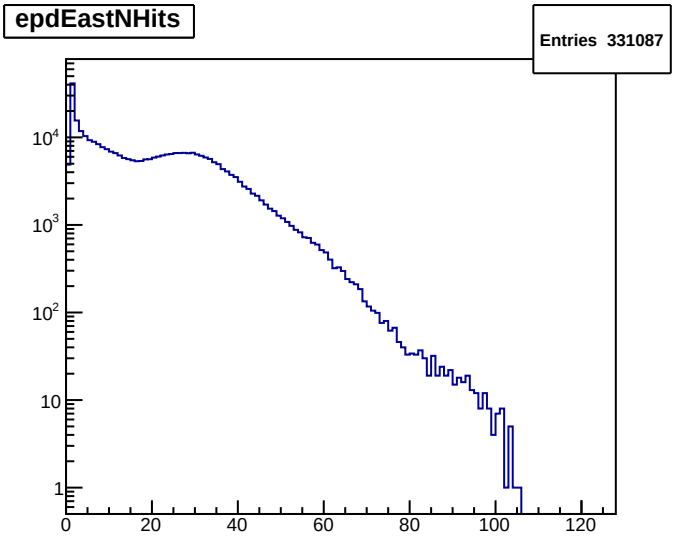

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

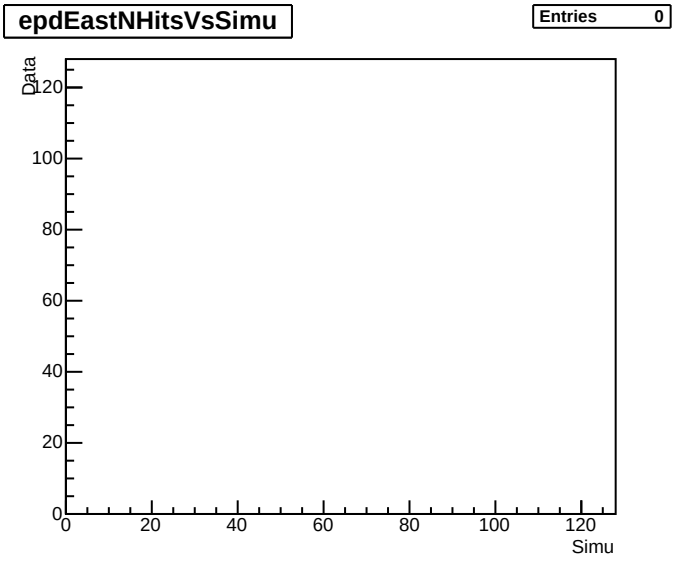

epdEastTac03
Entries 331087
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

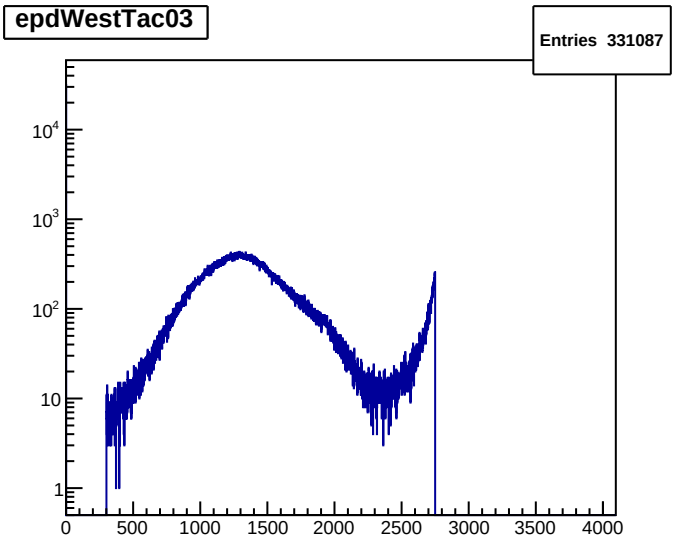

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

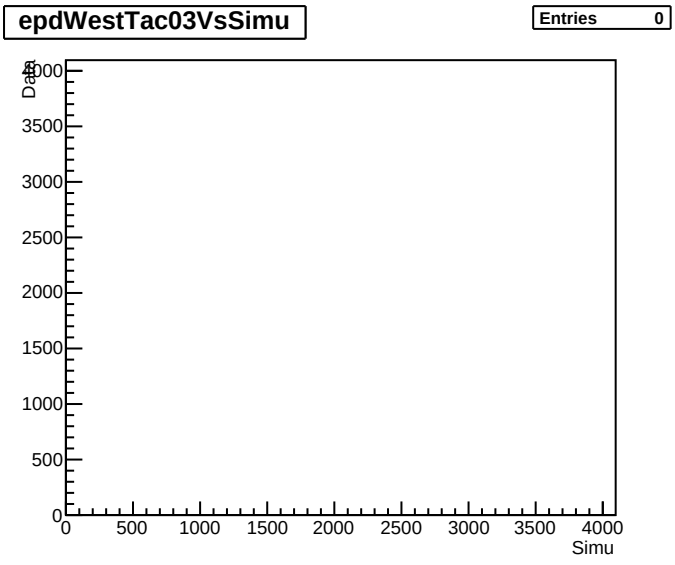

epdEastTac47
Entries 331087
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


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


epdEastNHits
Entries 331087
10^4
10^3
10^2
10
1
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
Entries 331087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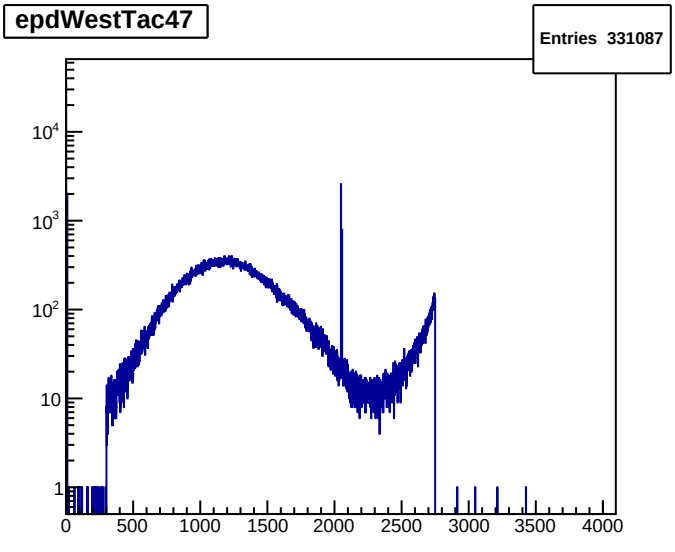
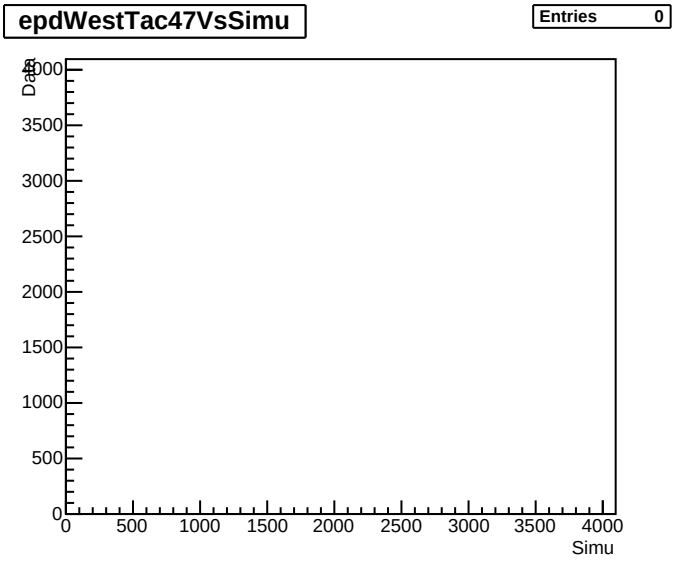
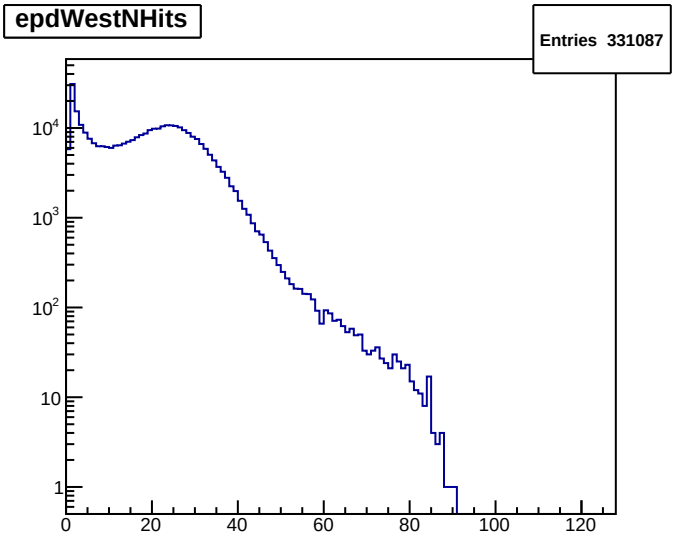
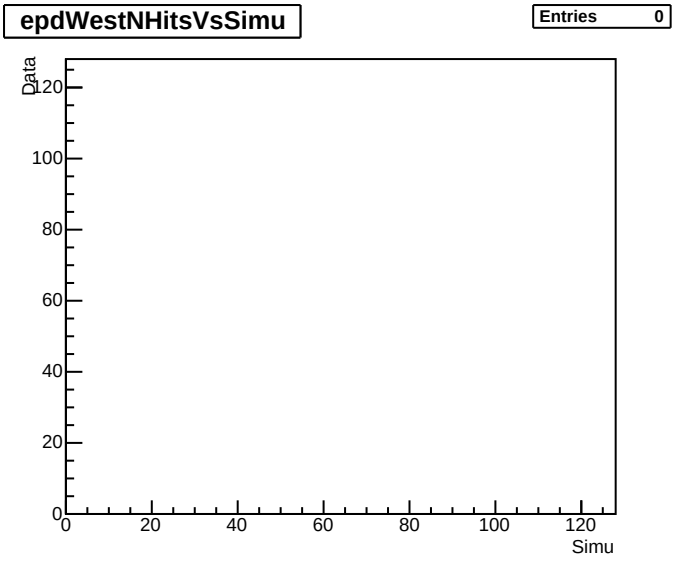
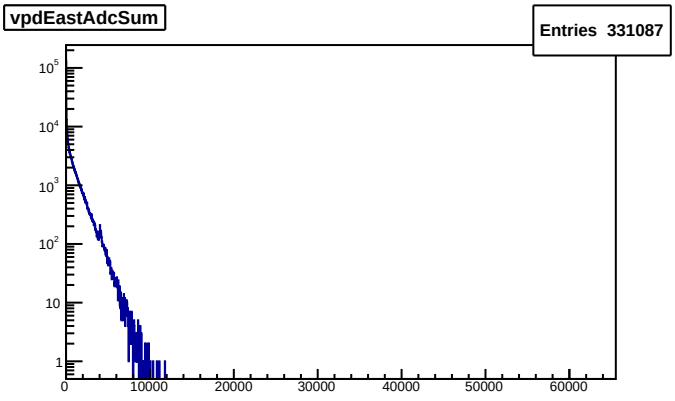
Entries 0
Data
Simu

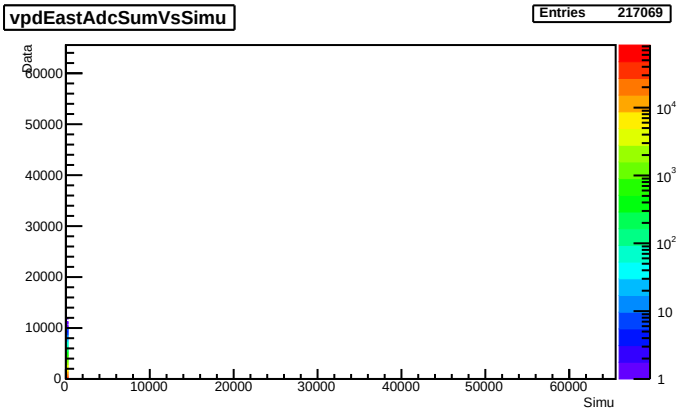

epdWestTac47
Entries 331087

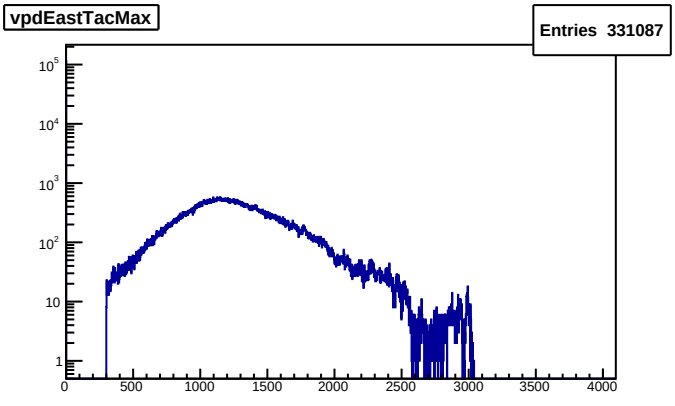

epdWestTac47VsSimu
Entries 0
Data
Simu

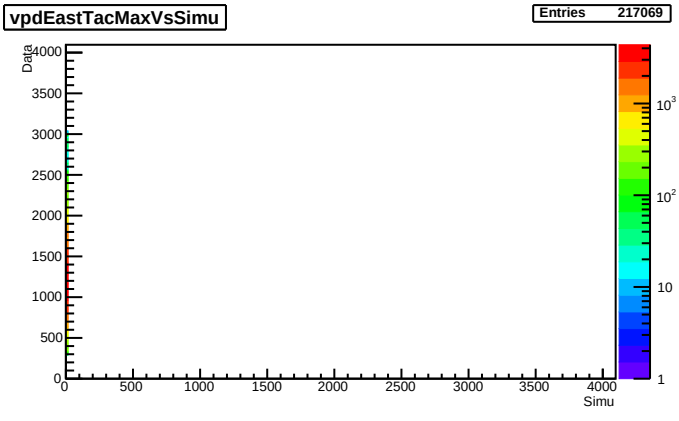

epdWestNHits
Entries 331087

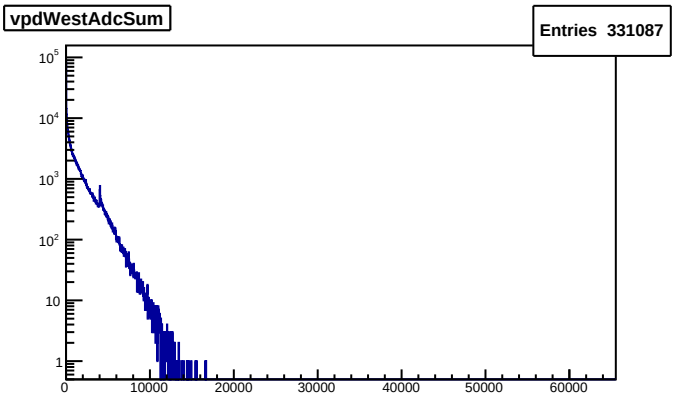

epdWestNHitsVsSimu
Entries 0
Data
Simu

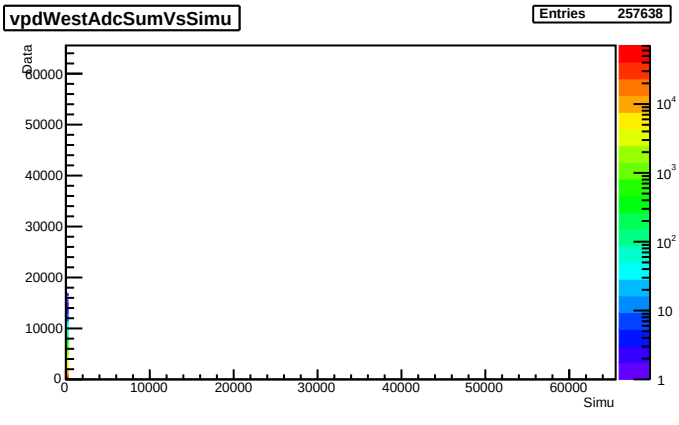

vpdEastAdcSum
Entries 331087

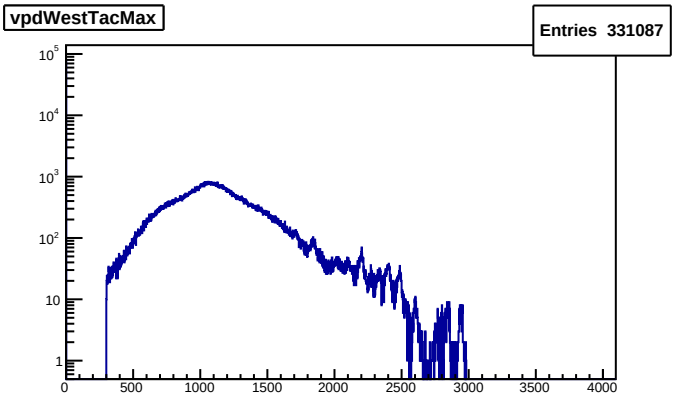

vpdEastAdcSumVsSimu
Entries 217069
Data
Simu

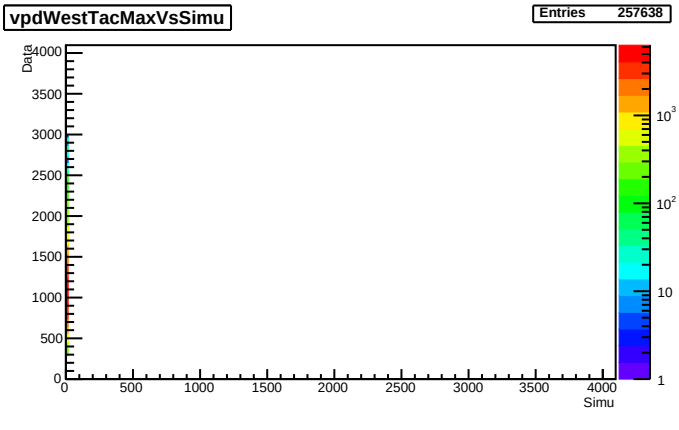

vpdEastTacMax
Entries 331087

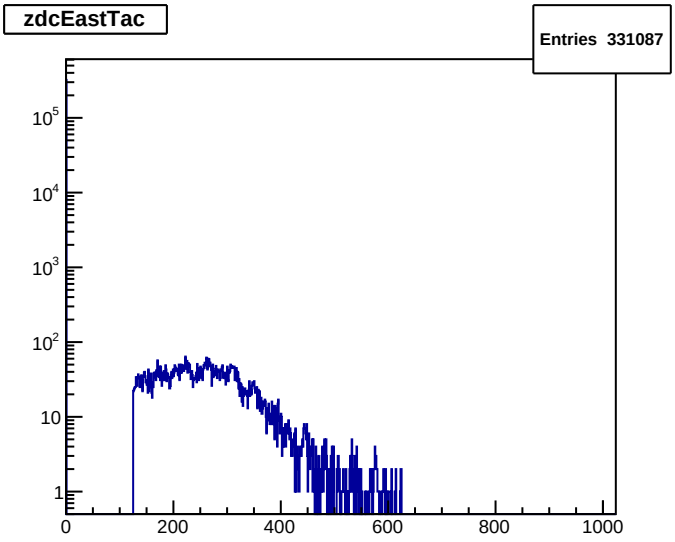

vpdEastTacMaxVsSimu
Entries 217069
Data
Simu

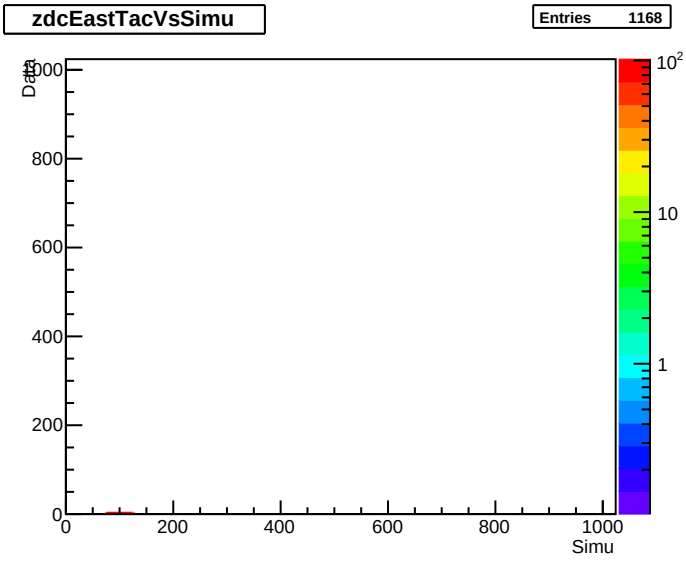

vpdWestAdcSum
Entries 331087

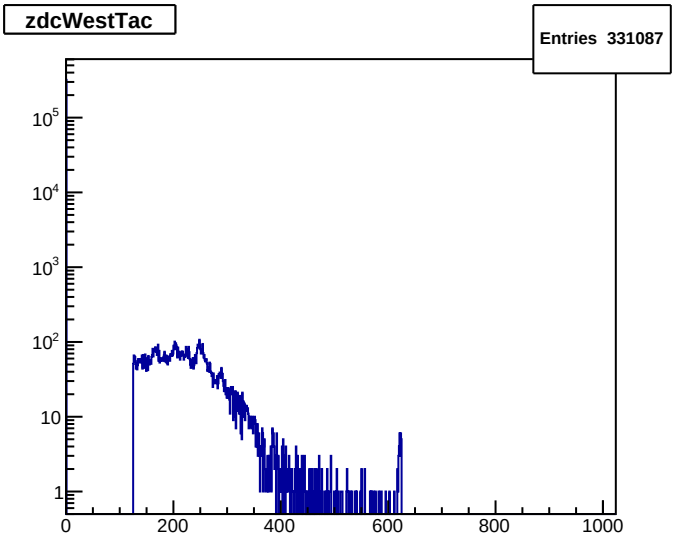

vpdWestAdcSumVsSimu
Entries 257638
Data
Simu

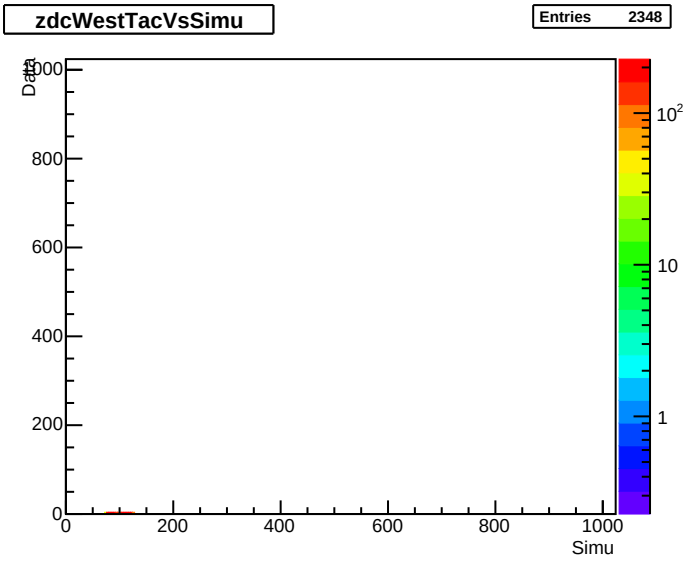

vpdWestTacMax
Entries 331087

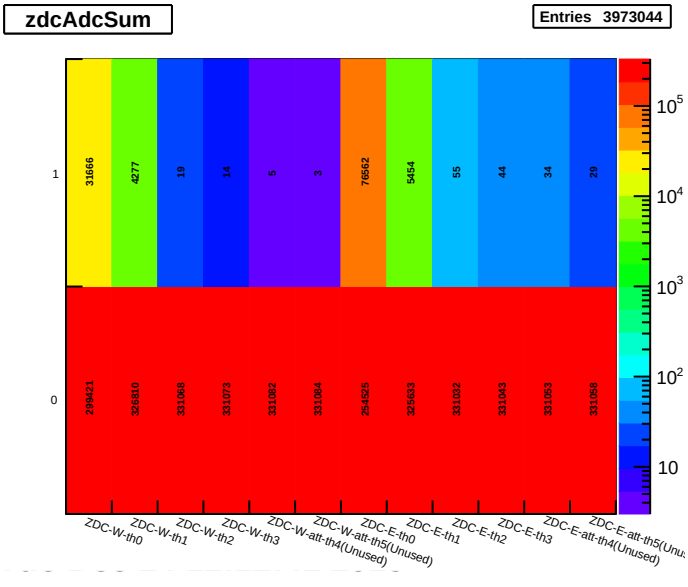

vpdWestTacMaxVsSimu
Entries 257638
Data
Simu

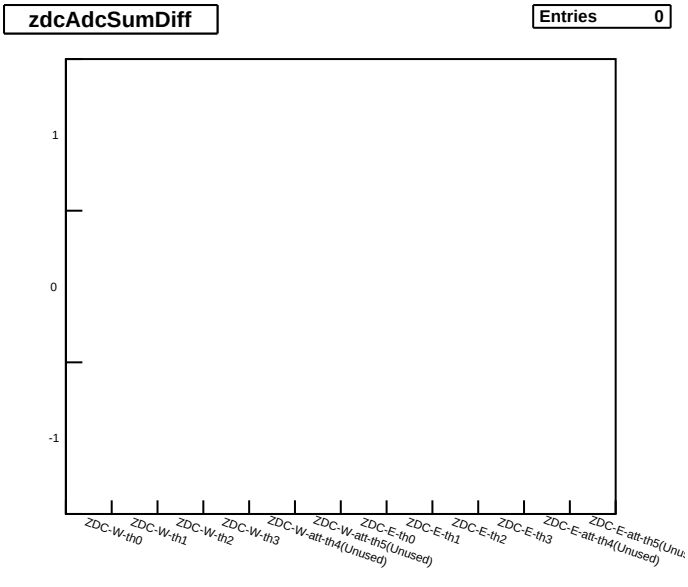

zdcEastTac
Entries 331087

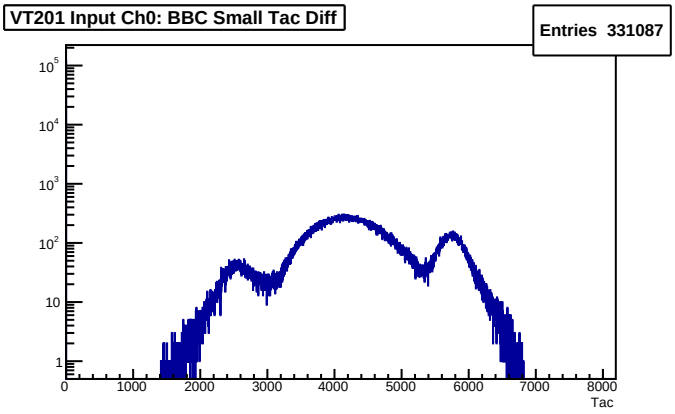

zdcEastTacVsSimu
Entries 1168
Data
Simu

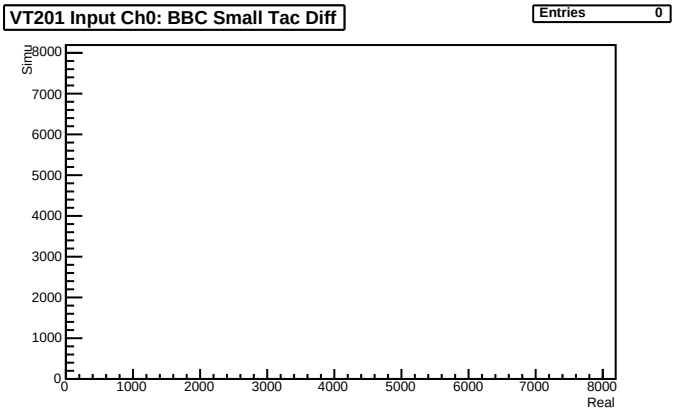

zdcWestTac
Entries 331087

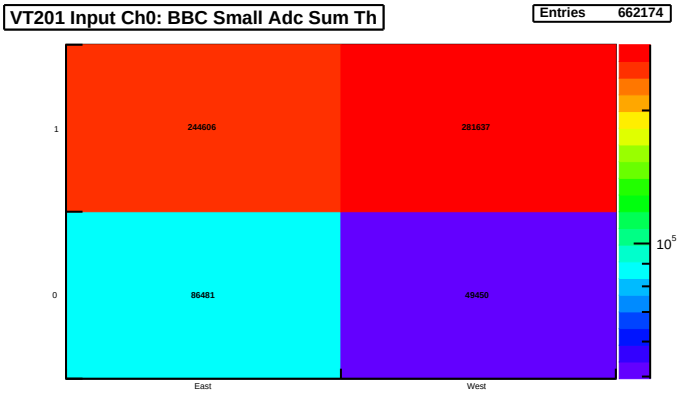

zdcWestTacVsSimu
Entries 2348
Data
Simu

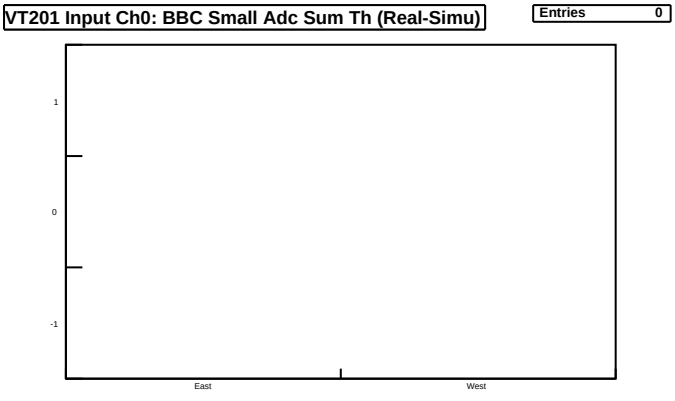

zdcAdcSum
Entries 3973044
31666
4277
19
14
5
3
76562
5454
55
44
34
29
299421
326810
331068
331073
331082
331084
254525
325633
331032
331043
331063
331068
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

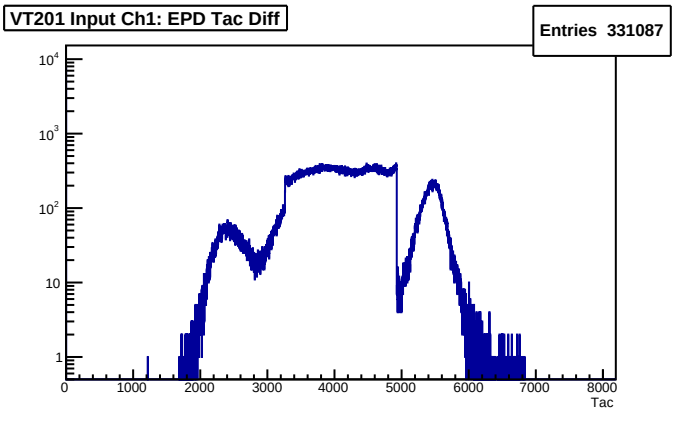

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

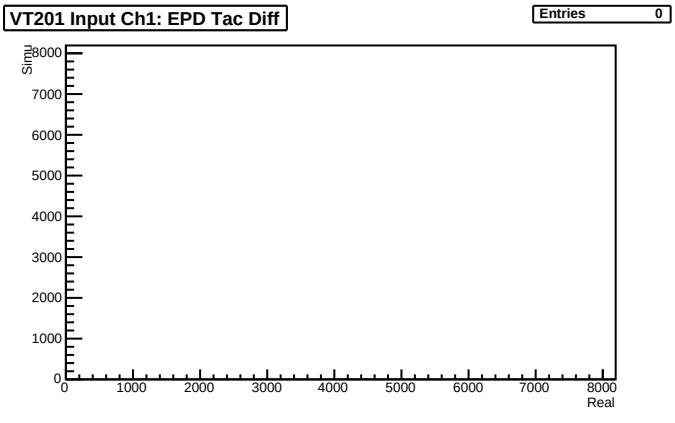

VT201 Input Ch0: BBC Small Tac Diff
Entries 331087
Tac

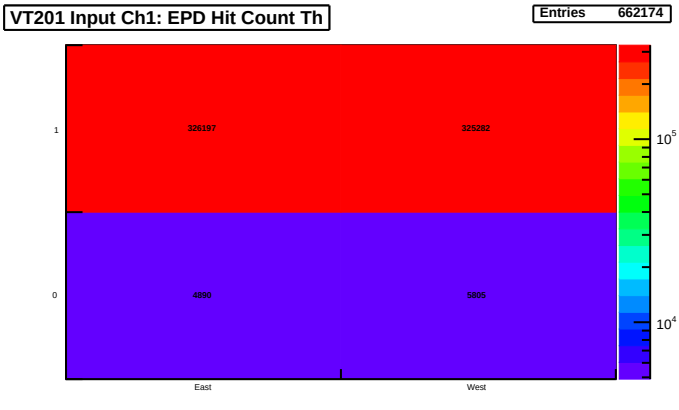

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

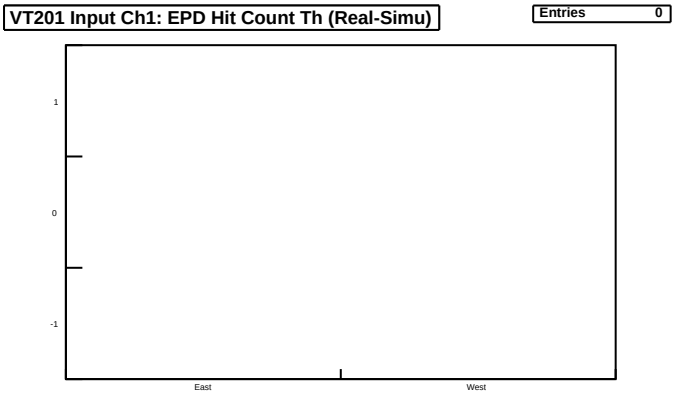

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 662174
244606
281637
86481
49450
East
West

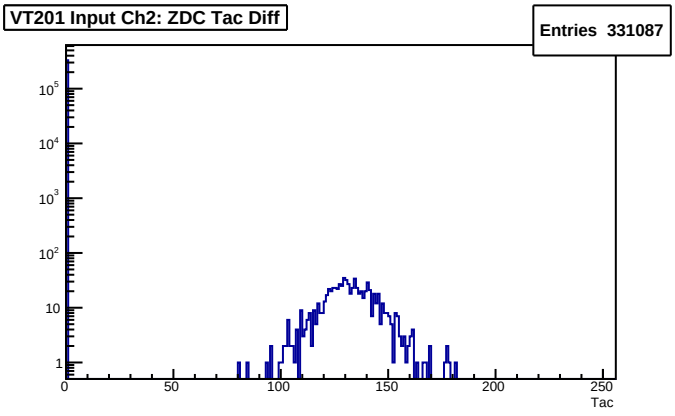

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

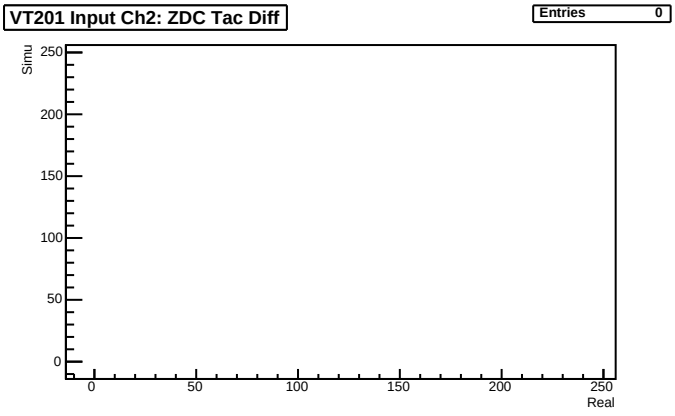

VT201 Input Ch1: EPD Tac Diff
Entries 331087
Tac

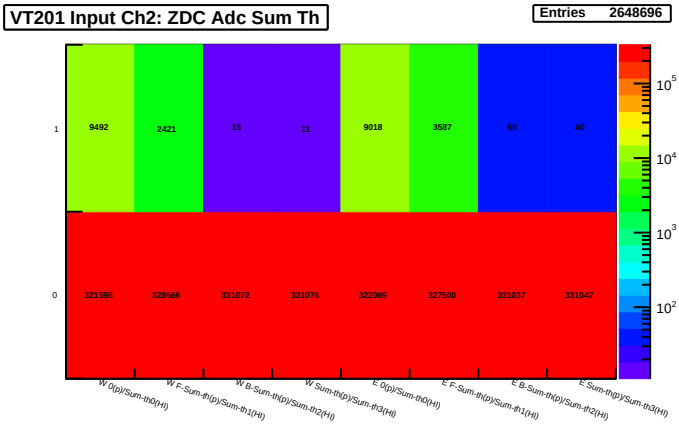

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

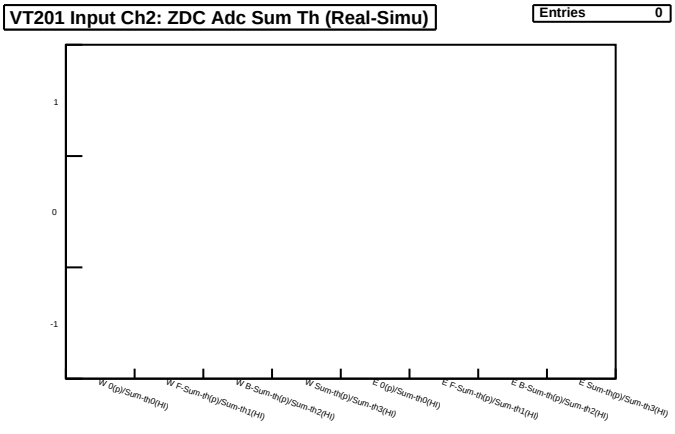

VT201 Input Ch1: EPD Hit Count Th
Entries 662174
326197
325282
4890
5805
East
West

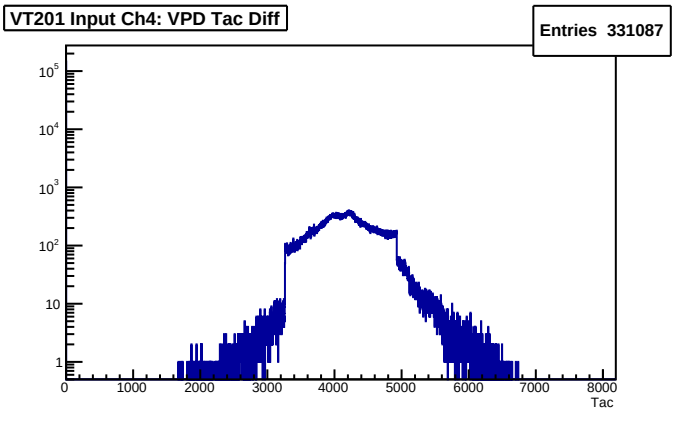

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

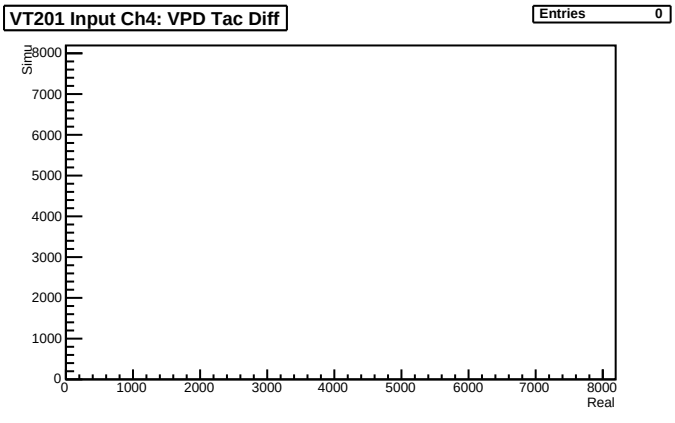

VT201 Input Ch2: ZDC Tac Diff
Entries 331087
Tac

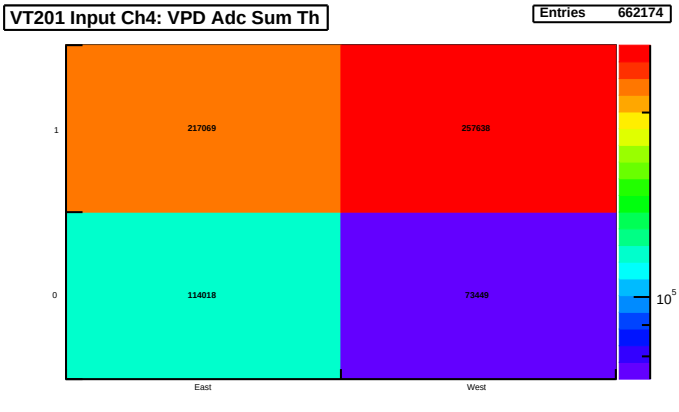

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

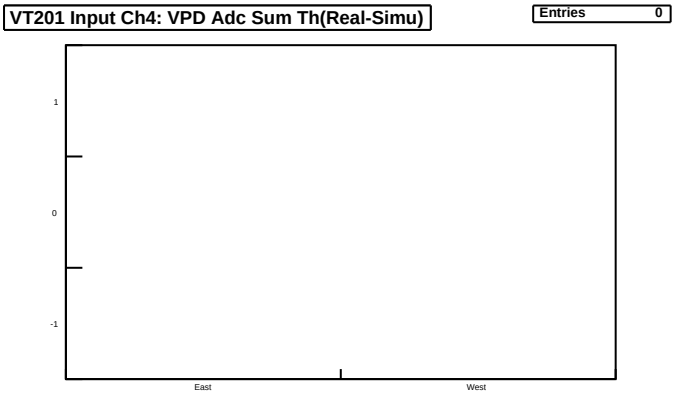

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2648696
9492
2421
15
11
9018
3587
50
40
321595
328666
331072
331076
322069
327500
331037
331047
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

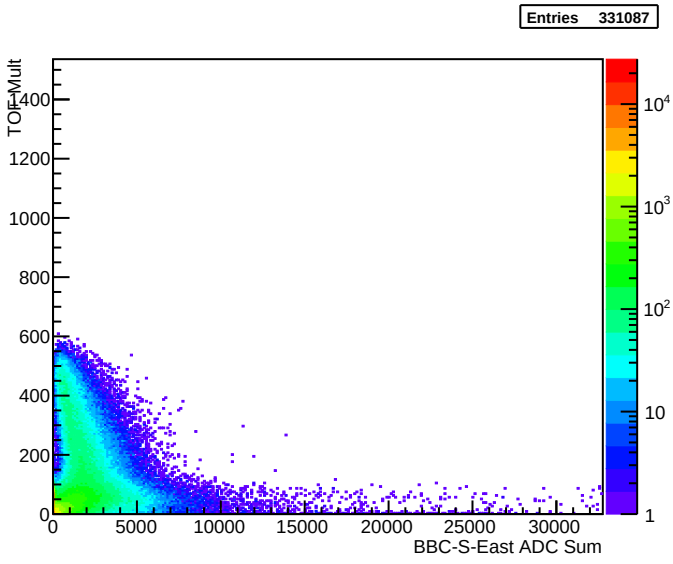

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

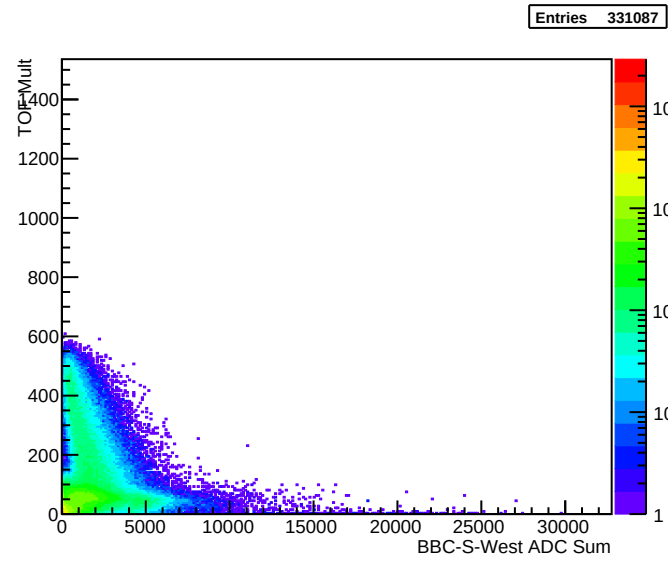

VT201 Input Ch4: VPD Tac Diff
Entries 331087
Tac

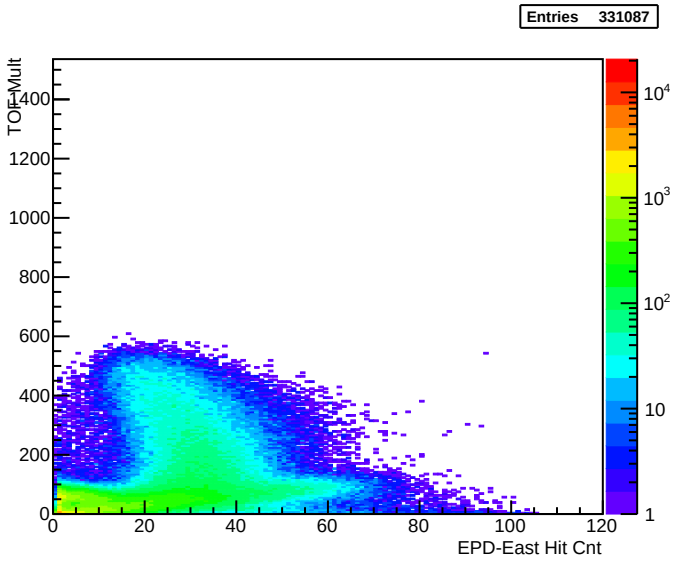

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

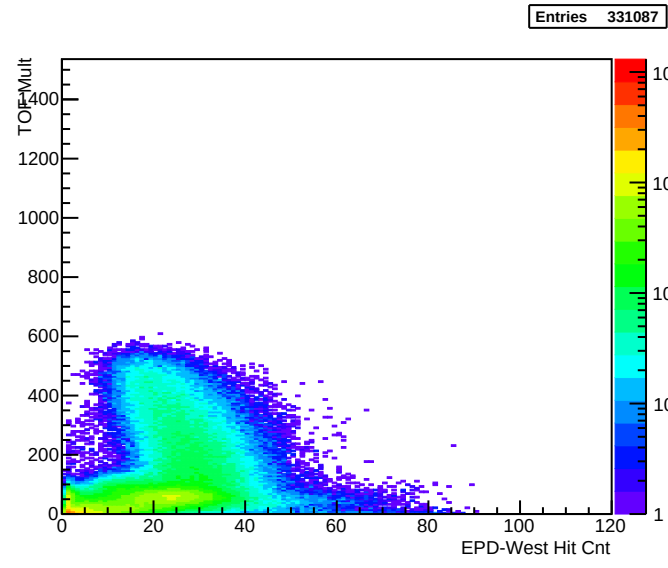

VT201 Input Ch4: VPD Adc Sum Th
Entries 662174
217069
257638
114018
73449
East
West

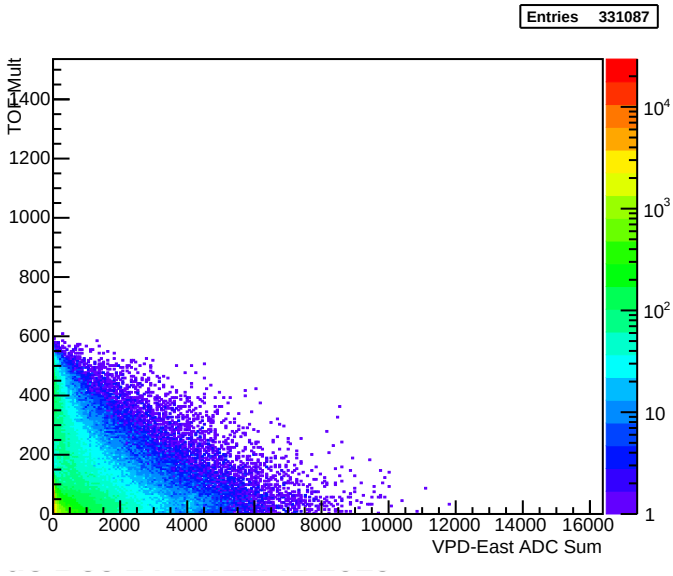

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

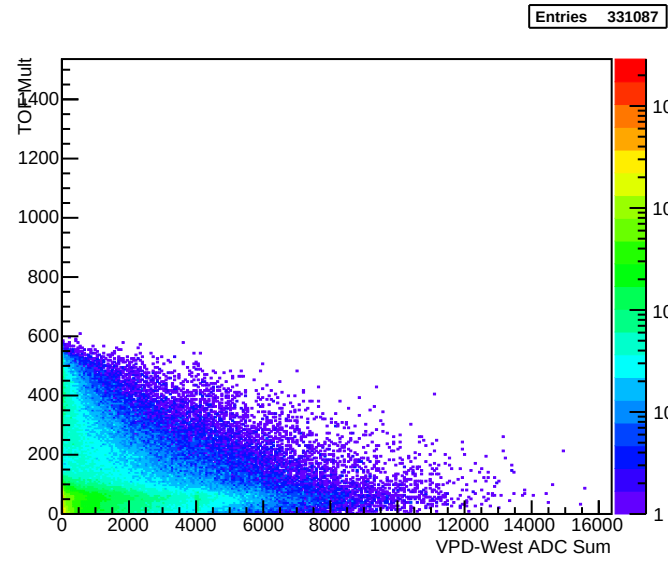

Entries 331087
TOF-Mult
BBC-S-East ADC Sum

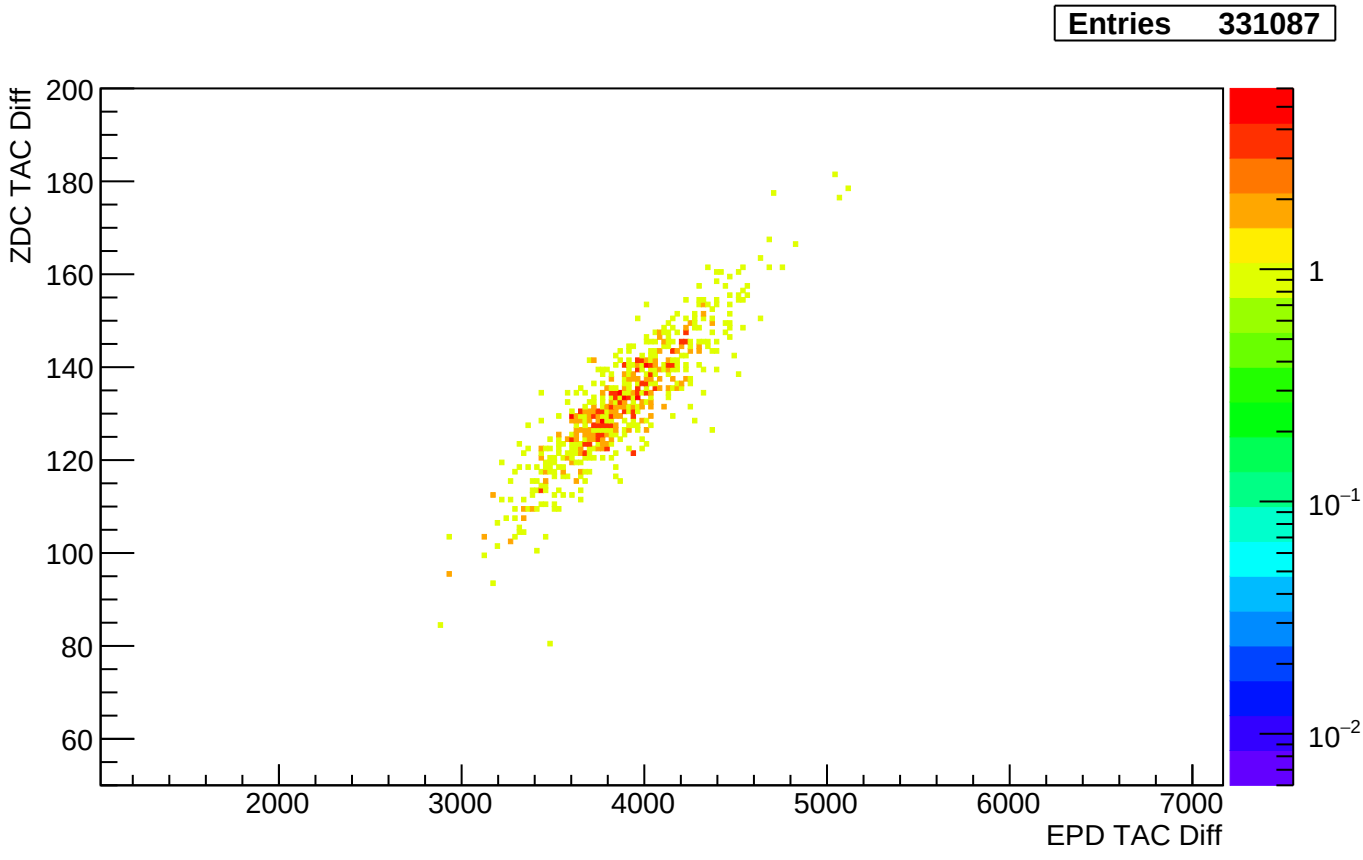

Entries 331087
TOF-Mult
BBC-S-West ADC Sum

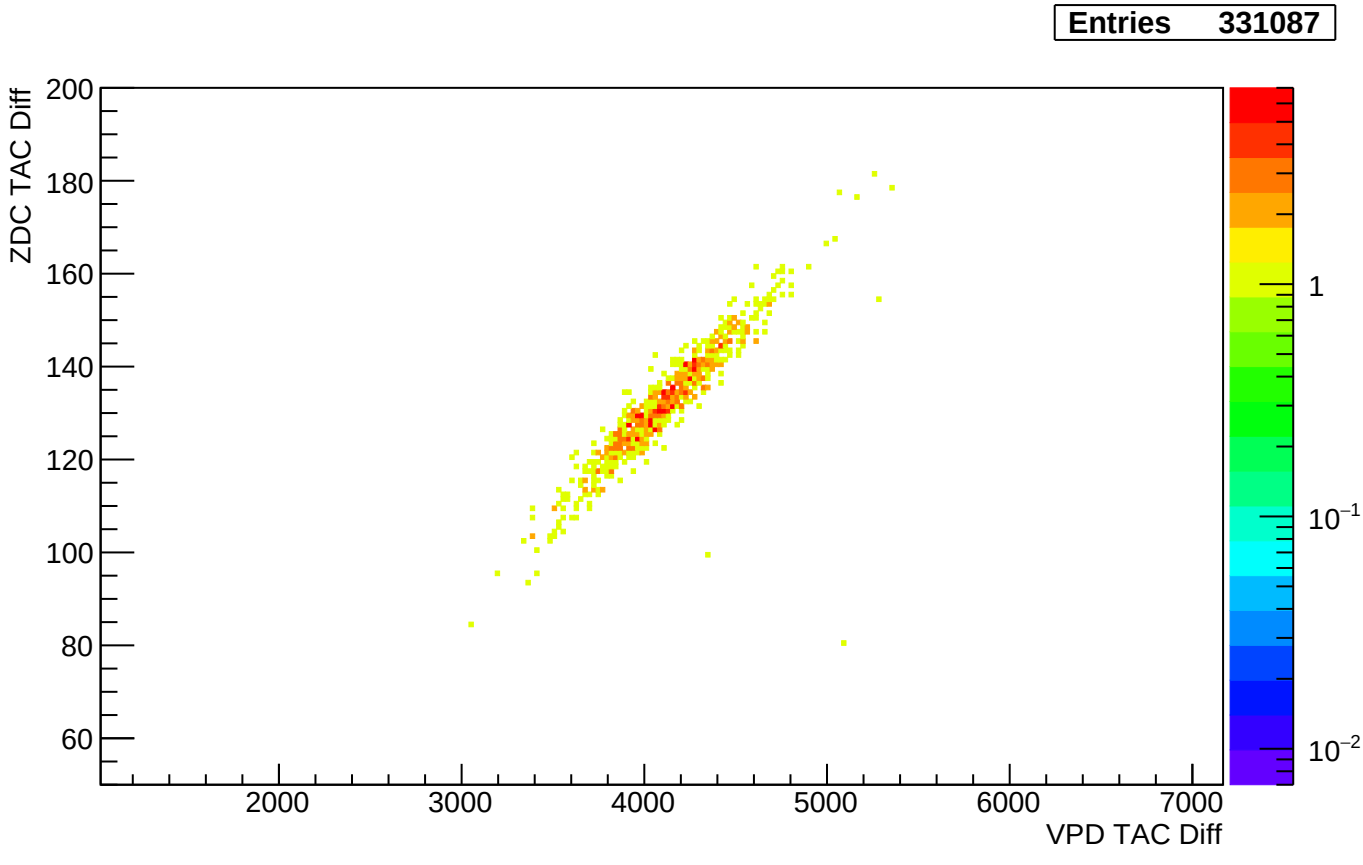

Entries 331087
TOF-Mult
EPD-East Hit Cnt

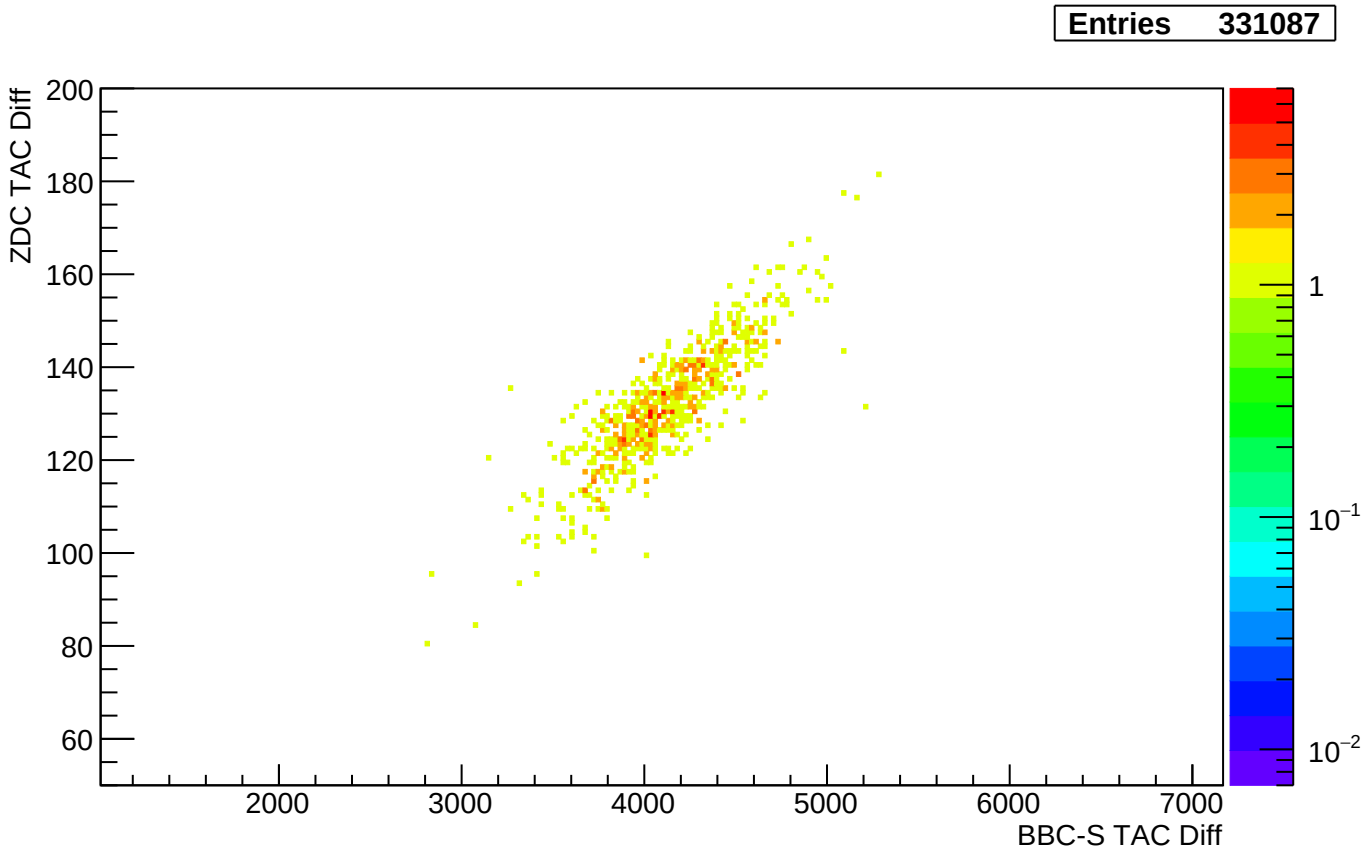

Entries 331087
TOF-Mult
EPD-West Hit Cnt

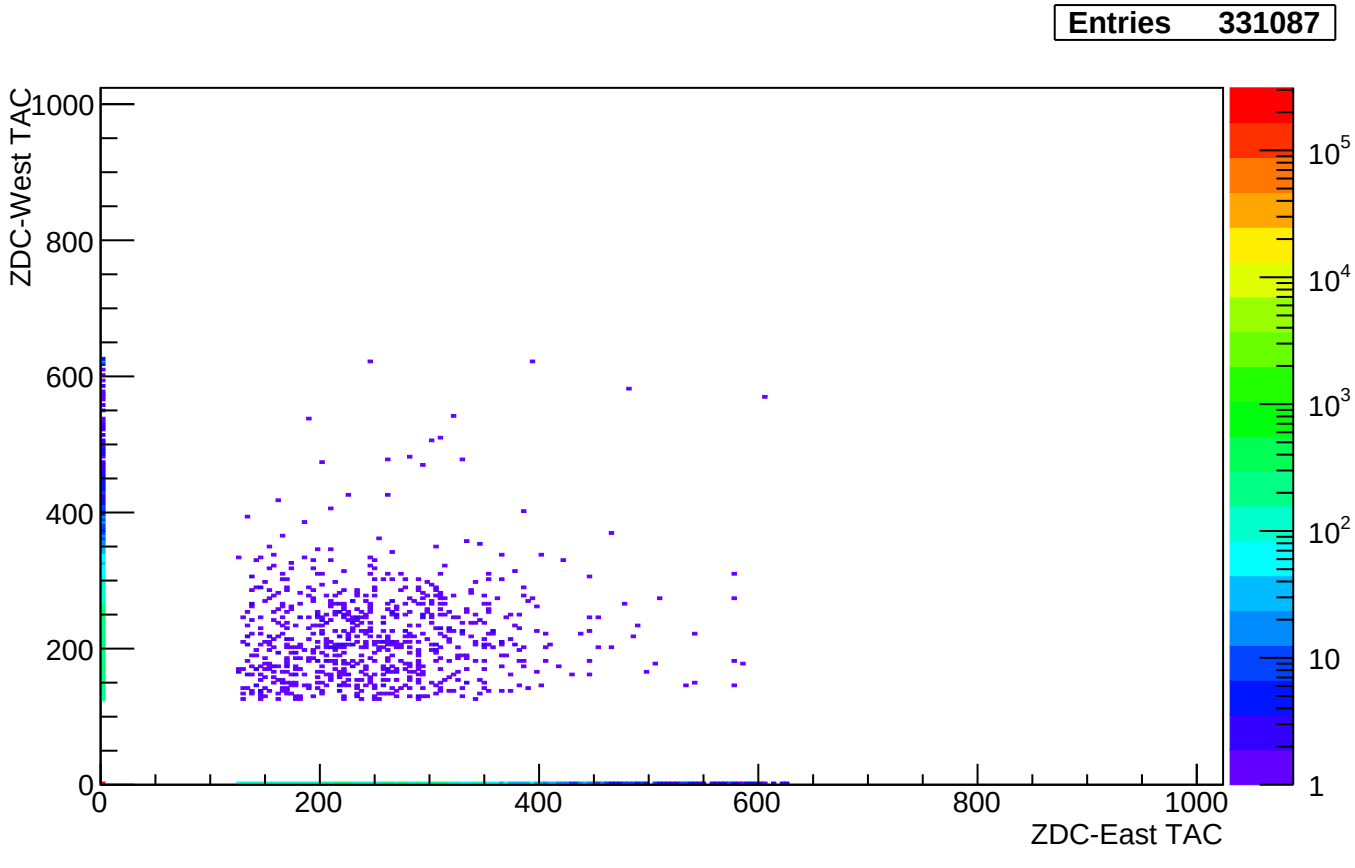

Entries 331087
TOF-Mult
VPD-East ADC Sum

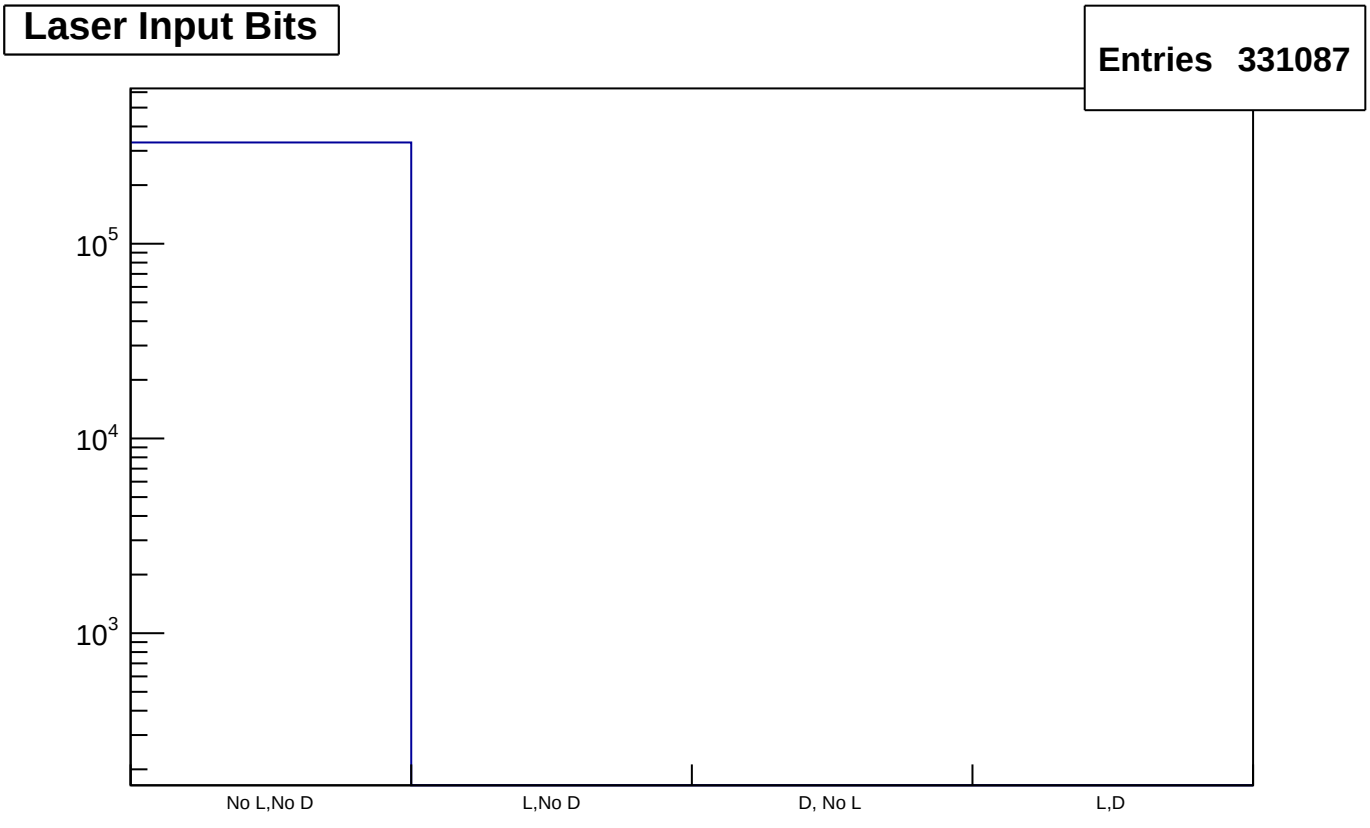

Entries 331087
TOF-Mult
VPD-West ADC Sum

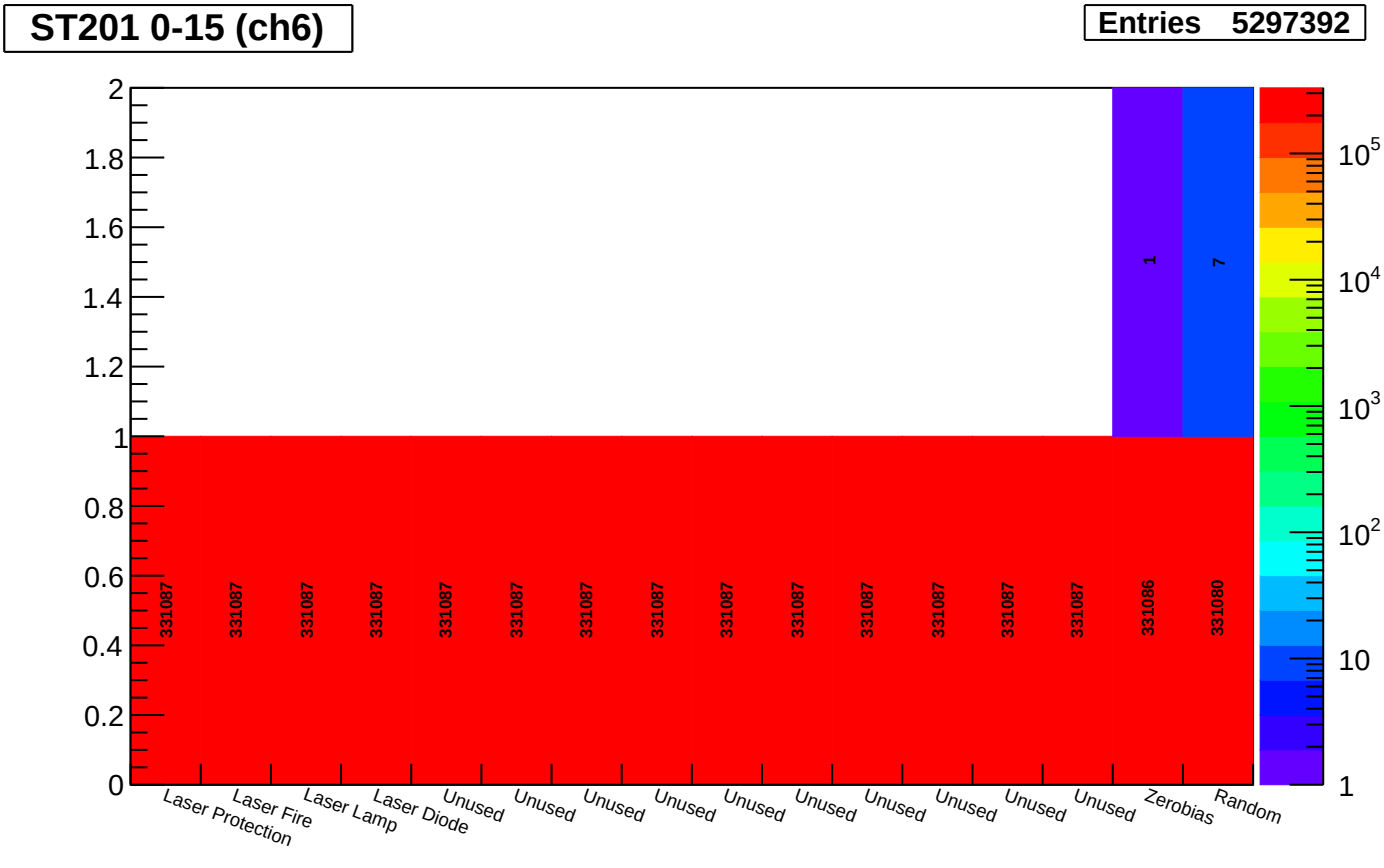

Entries 331087
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

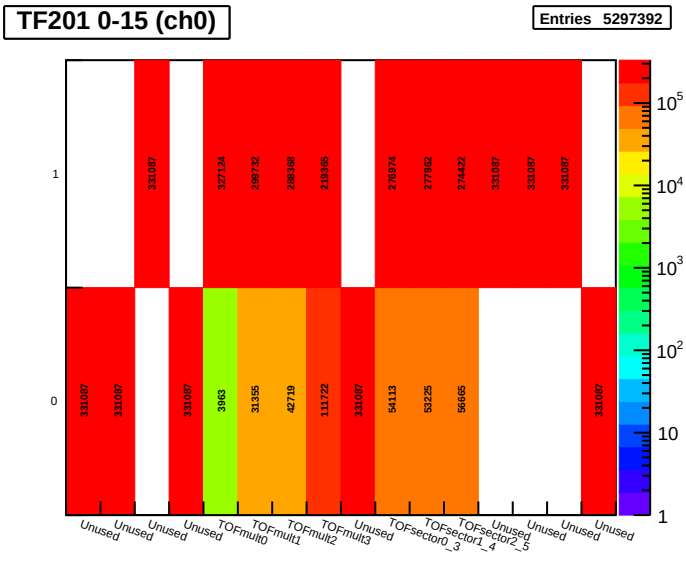

Entries 331087
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

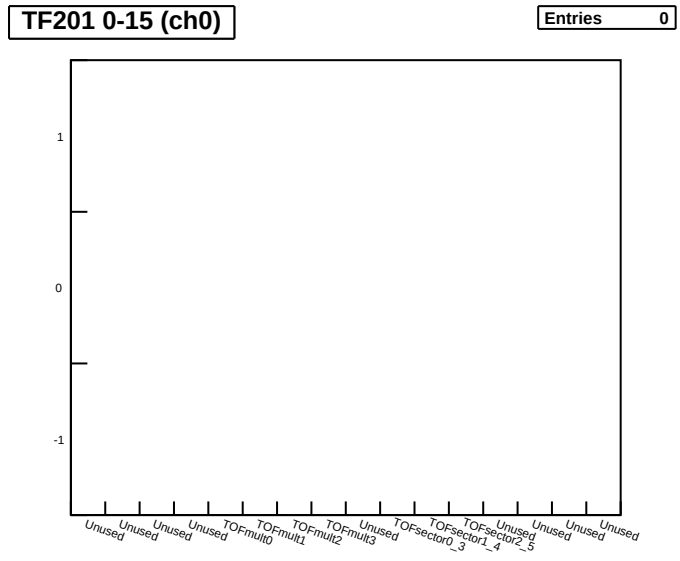

Entries 331087
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

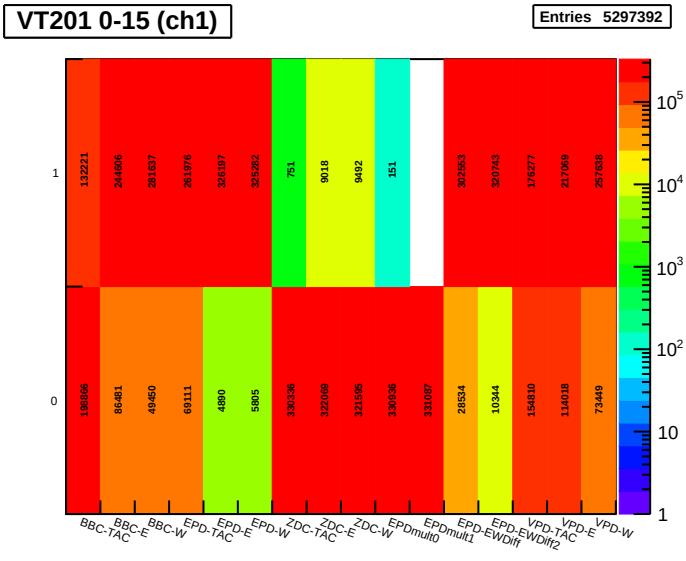

Entries 331087
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

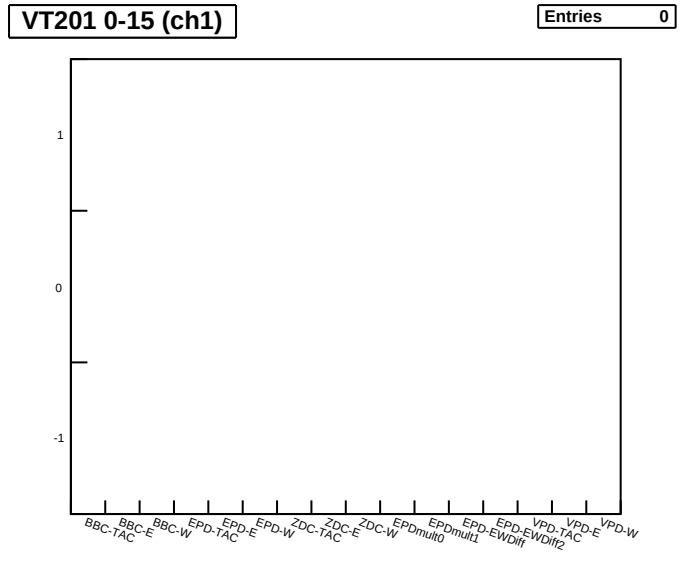

Laser Input Bits
Entries 331087
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

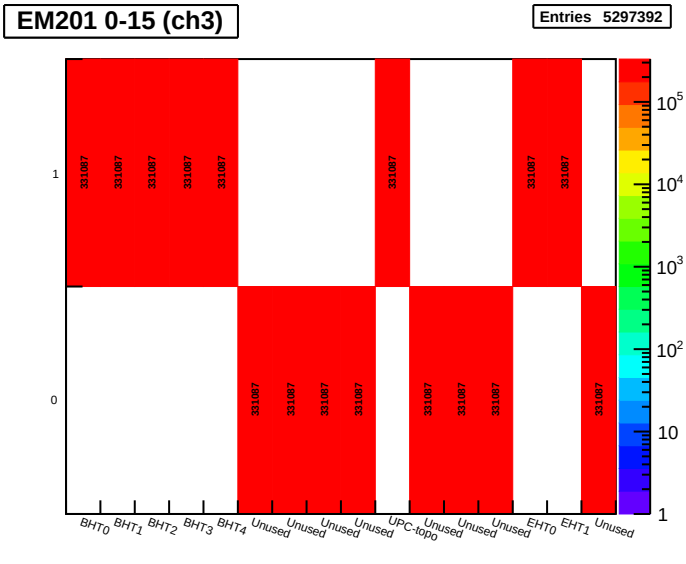

ST201 0-15 (ch6)
Entries 5297392
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
331087
331087
331087
331087
331087
331087
331087
331087
331087
331087
331087
331087
331087
331086
331080
1
7
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

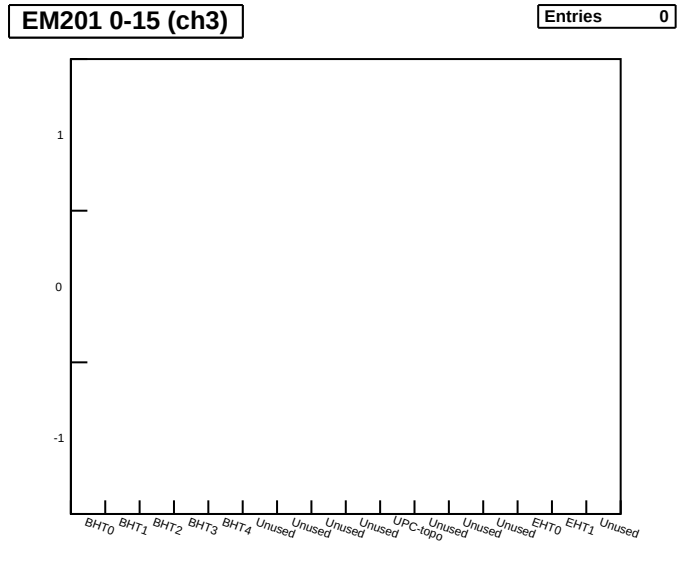

TF201 0-15 (ch0)
Entries 5297392
1
0
331087
327124
299732
288368
219365
276974
277862
274422
331087
331087
331087
331087
331087
331087
331087
3963
31355
42719
111722
331087
54113
53225
56665
331087
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 5297392
1
0
132221
244686
281637
261976
326197
325282
751
9018
9492
151
302553
320743
176277
217069
257638
158866
86481
49450
69111
4890
5805
330336
322069
321595
330936
331087
28534
10344
154810
114018
73449
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W
10^5
10^4
10^3
10^2
10
1


VT201 0-15 (ch1)
Entries 0
1
0
-1
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W


EM201 0-15 (ch3)
Entries 5297392
1
0
331087
331087
331087
331087
331087
331087
331087
331087
331087
331087
331087
331087
331087
331087
331087
331087
331087
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
10^5
10^4
10^3
10^2
10
1


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