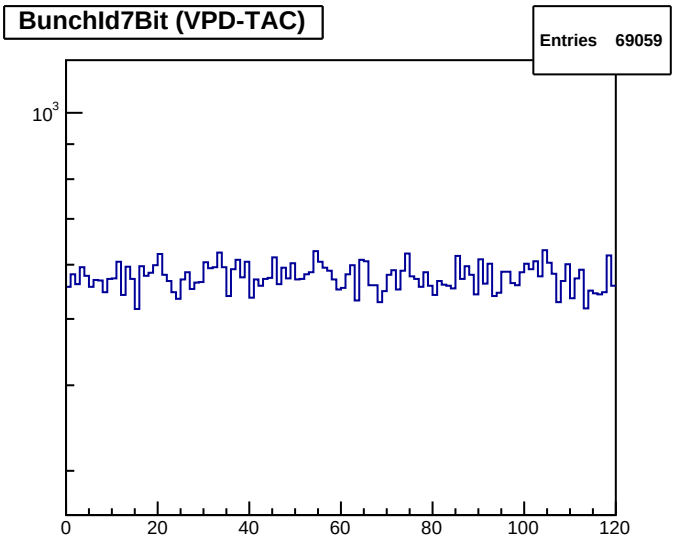
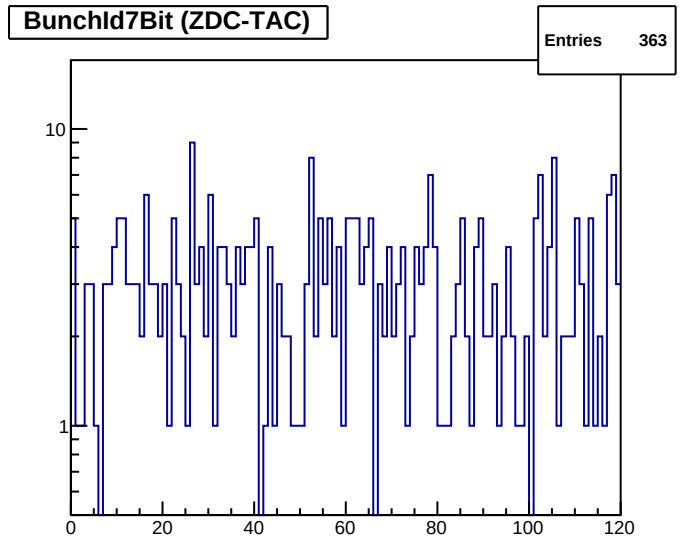
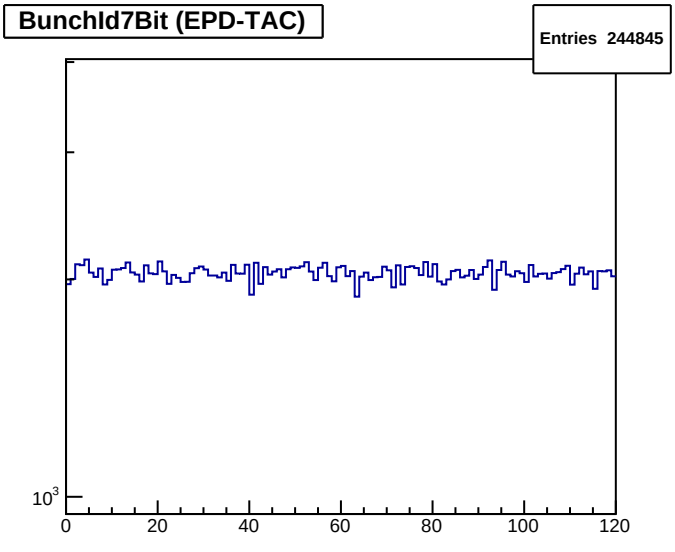
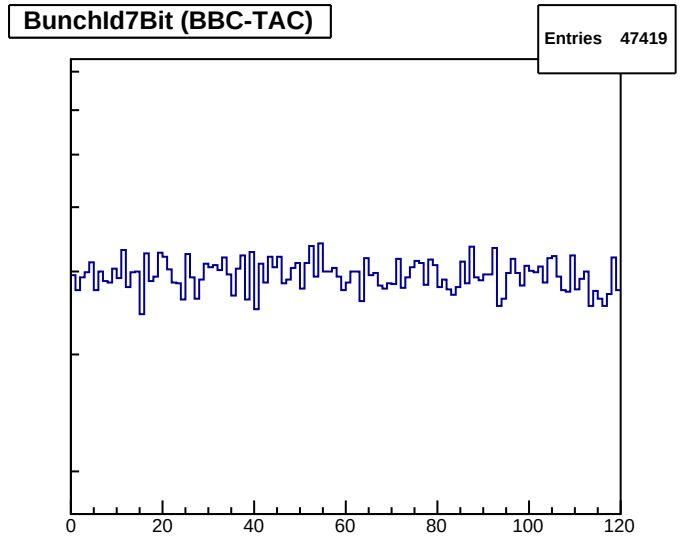
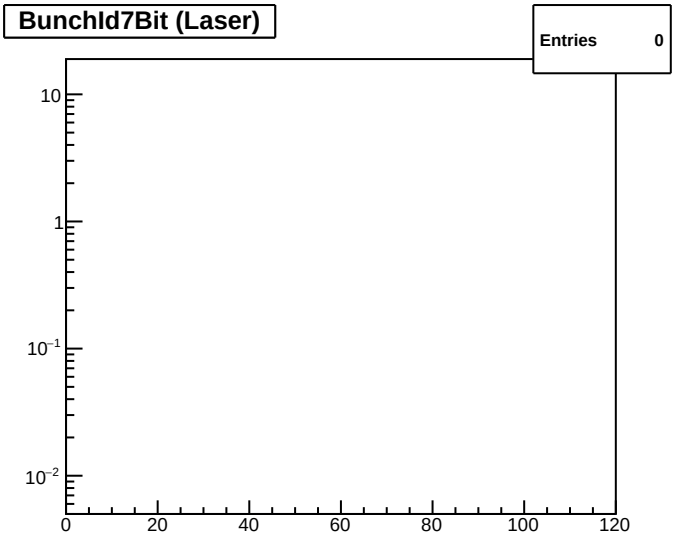
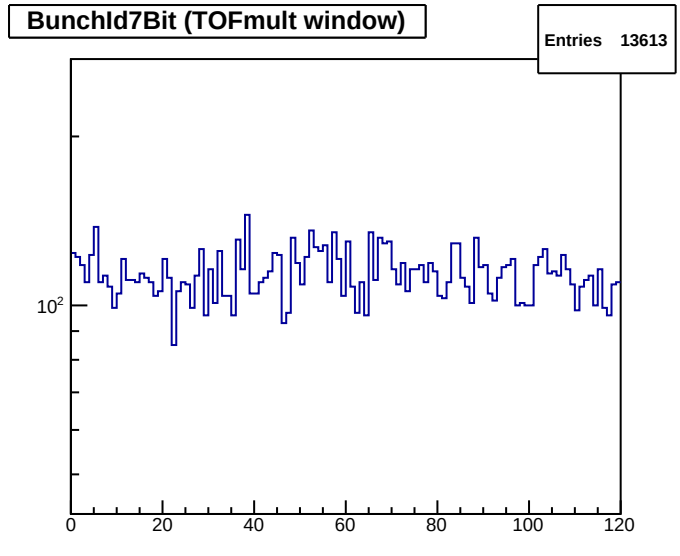

BunchId7Bit (VPD-TAC)
Entries 69059
10^3
0 20 40 60 80 100 120

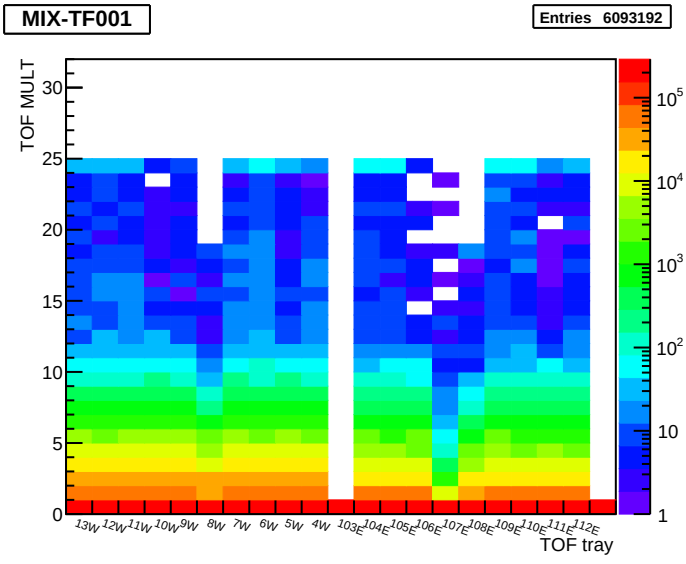

BunchId7Bit (ZDC-TAC)
Entries 363
10
1
0 20 40 60 80 100 120

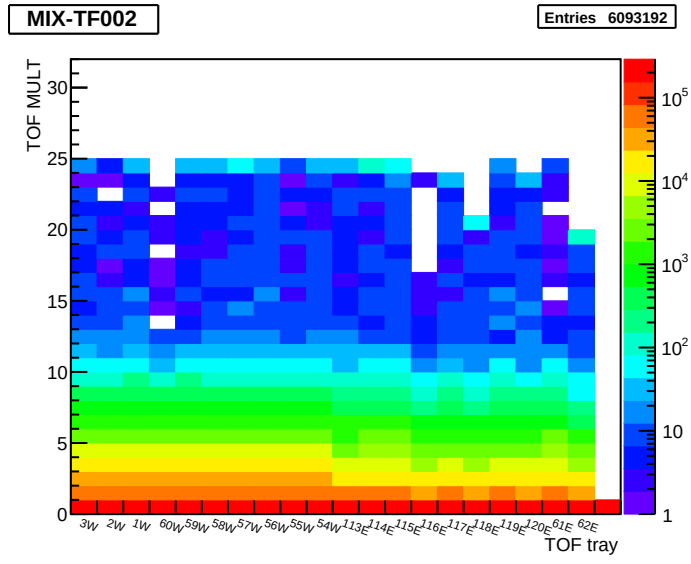

BunchId7Bit (EPD-TAC)
Entries 244845
10^3
0 20 40 60 80 100 120

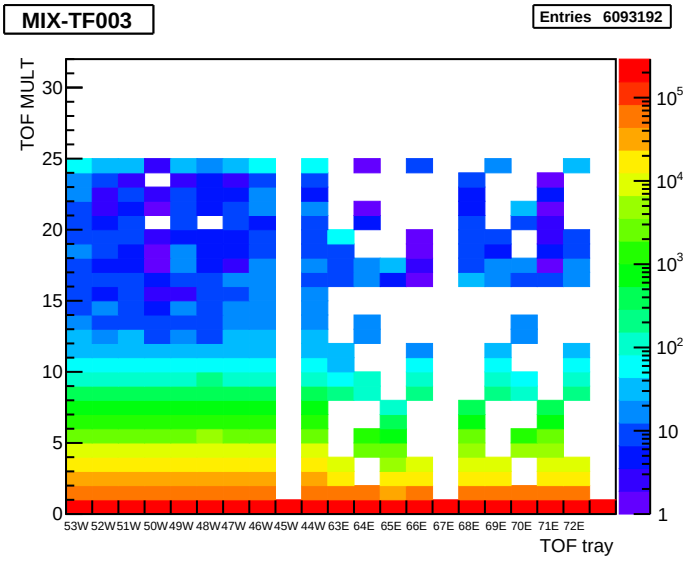

BunchId7Bit (BBC-TAC)
Entries 47419
0 20 40 60 80 100 120

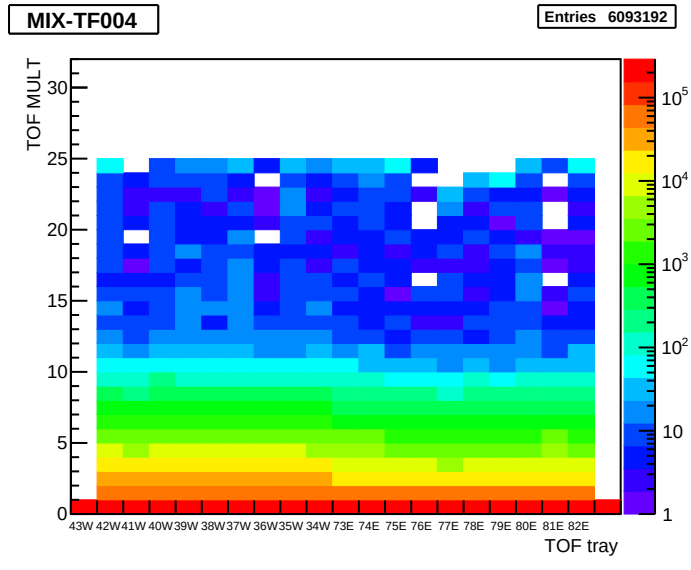

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

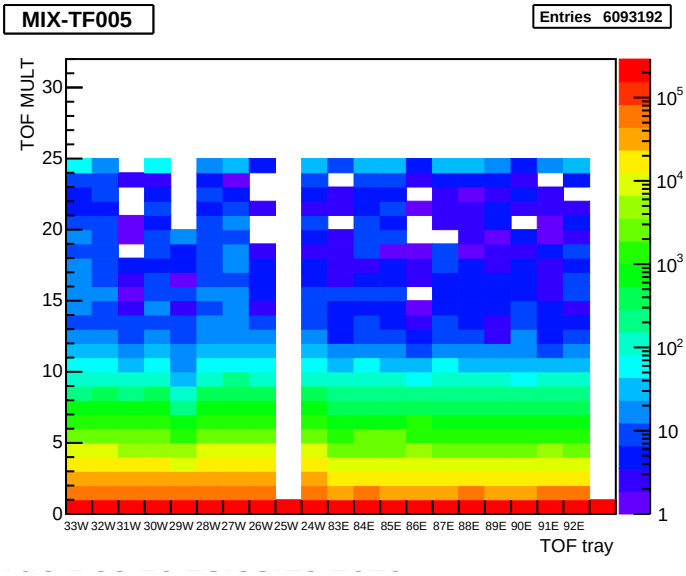

BunchId7Bit (TOFmult window)
Entries 13613
10^2
0 20 40 60 80 100 120

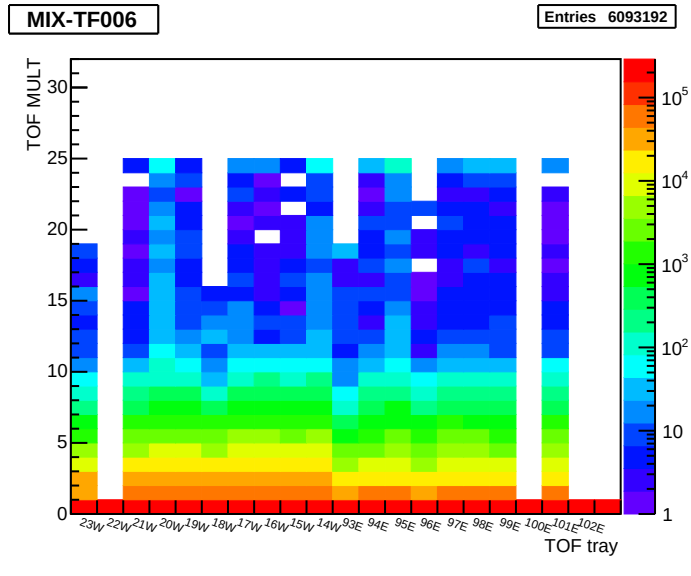

MIX-TF001
Entries 6093192
TOF MULT
TOF tray

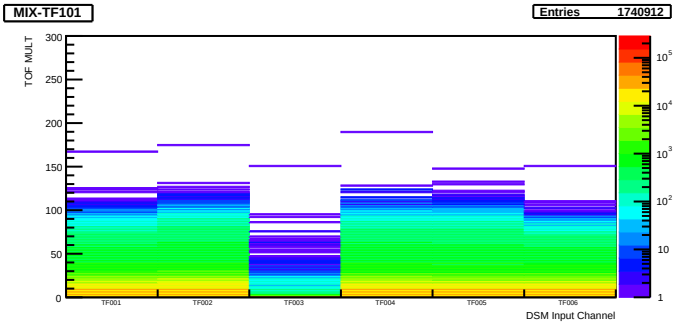

MIX-TF002
Entries 6093192
TOF MULT
TOF tray

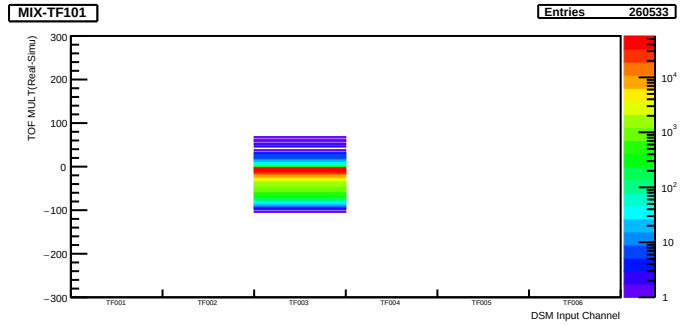

MIX-TF003
Entries 6093192
TOF MULT
TOF tray

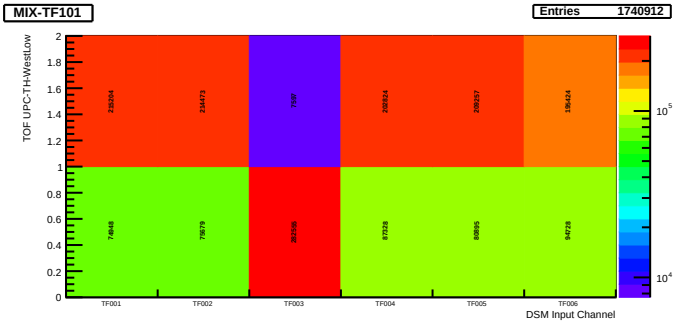

MIX-TF004
Entries 6093192
TOF MULT
TOF tray

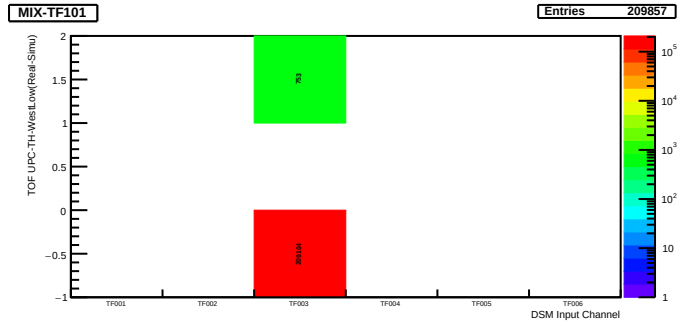

MIX-TF005
Entries 6093192
TOF MULT
TOF tray

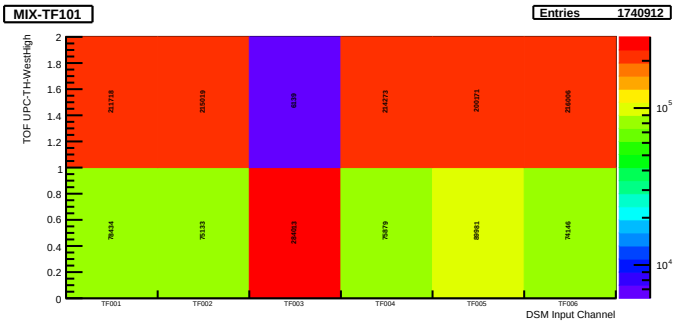

MIX-TF006
Entries 6093192
TOF MULT
TOF tray

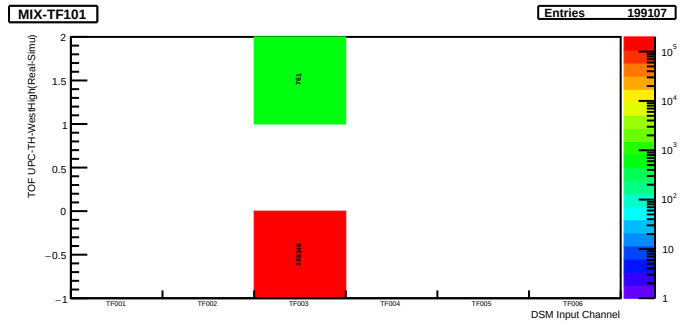

MIX-TF101
Entries 1740912
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

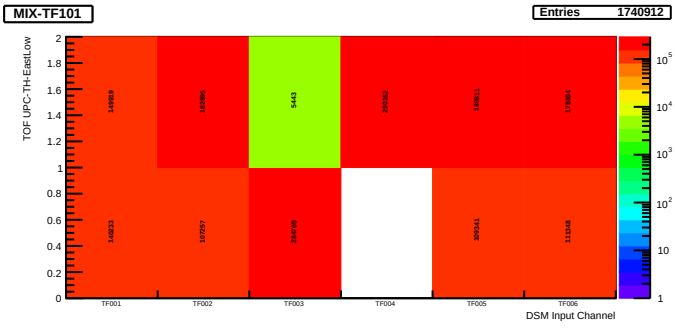

MIX-TF101
Entries 260533
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

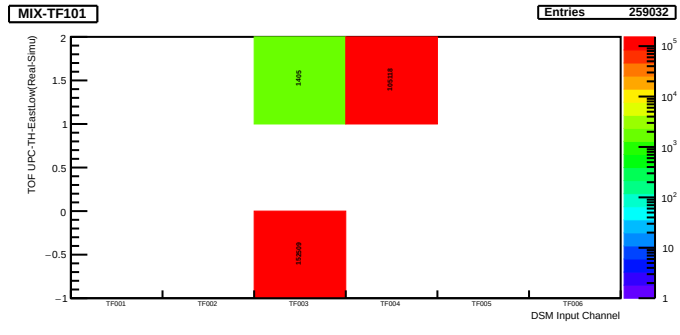

MIX-TF101
Entries 1740912
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

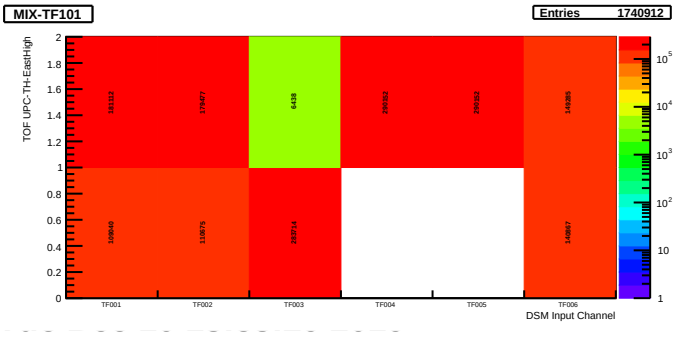

MIX-TF101
Entries 209857
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

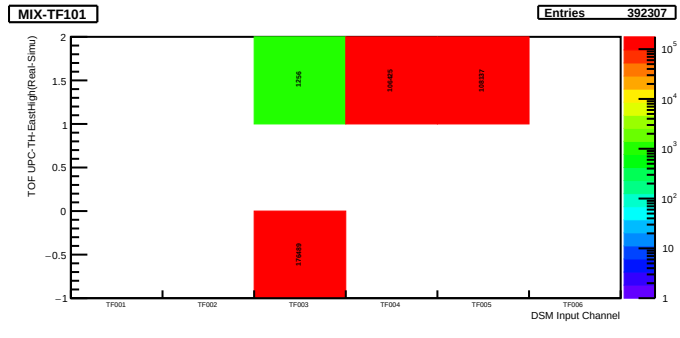

MIX-TF101
Entries 1740912
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

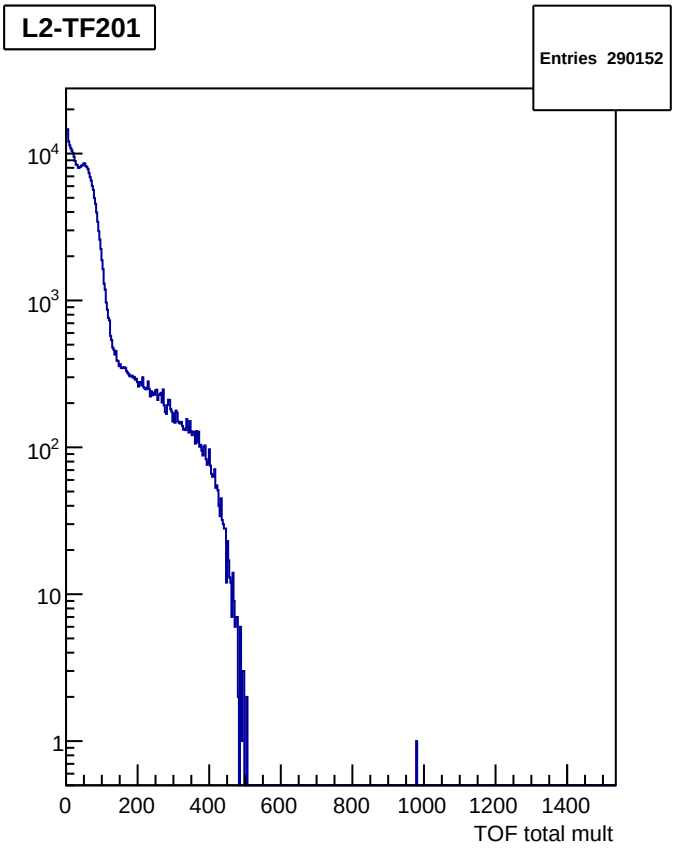

MIX-TF101
Entries 199107
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

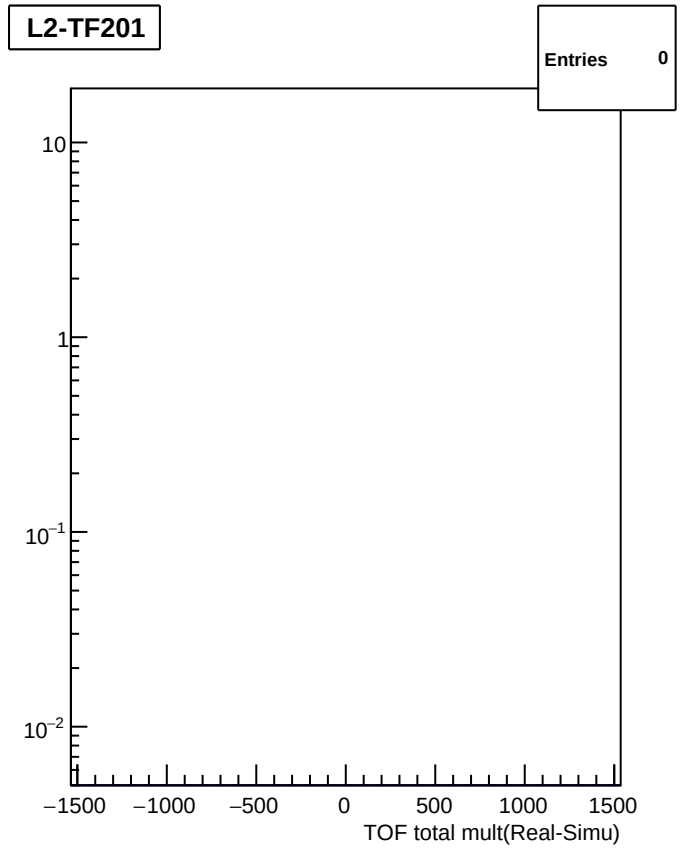

MIX-TF101
Entries 1740912
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

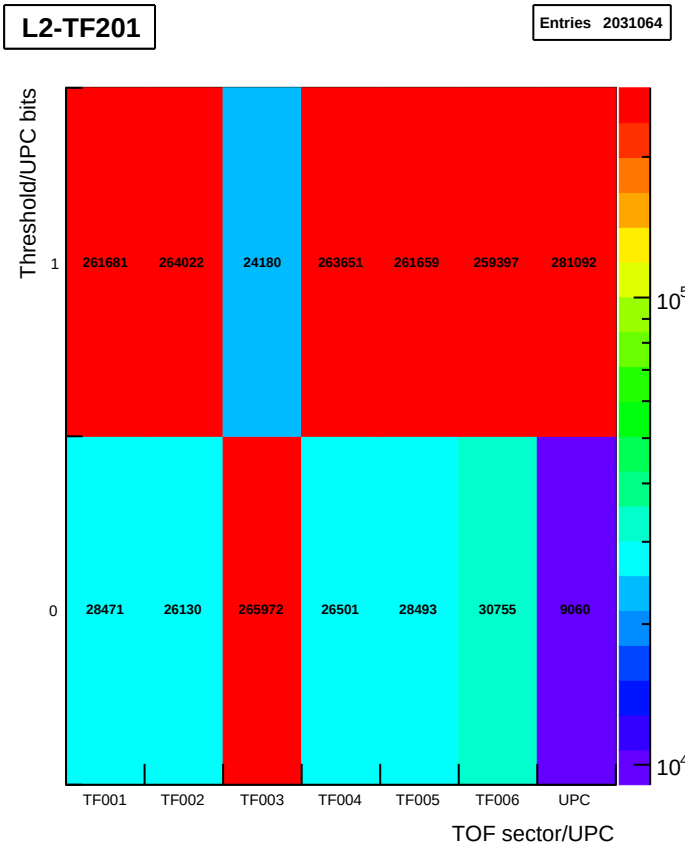

MIX-TF101
Entries 259032
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

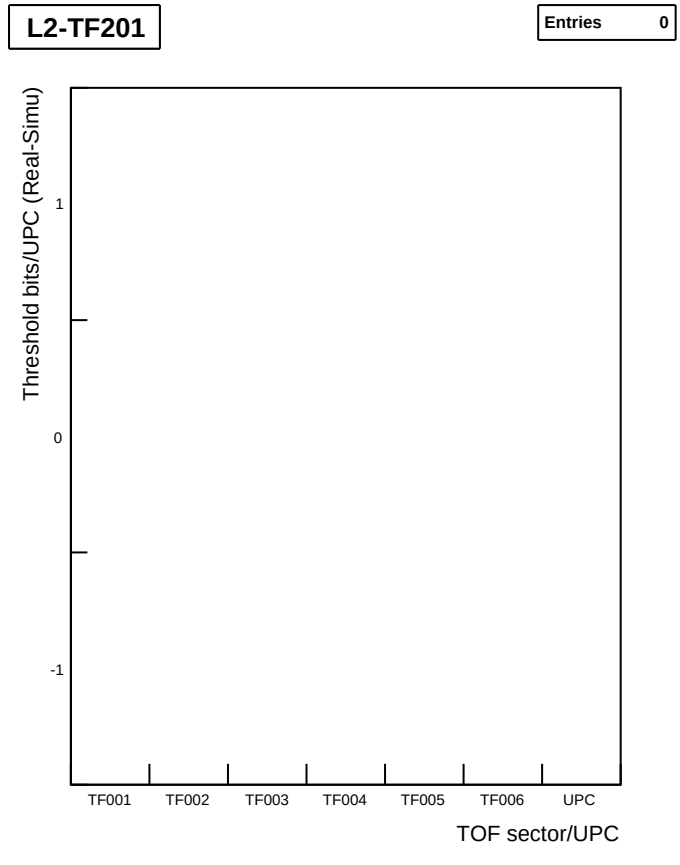

MIX-TF101
Entries 1740912
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

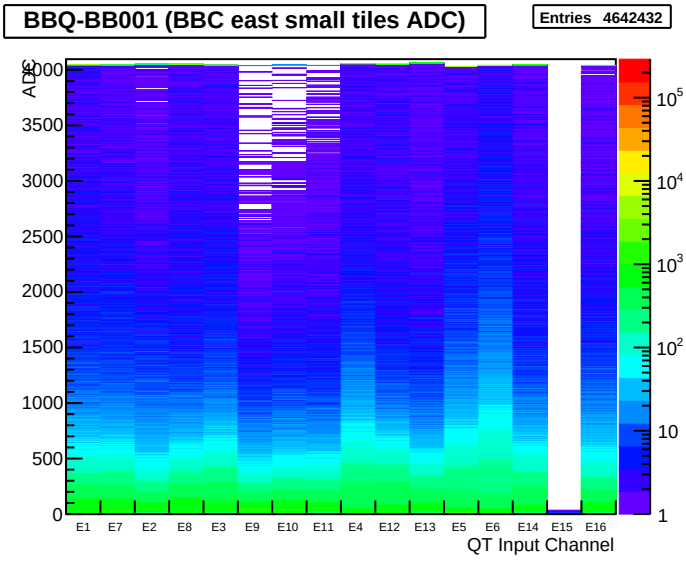

MIX-TF101
Entries 392307
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

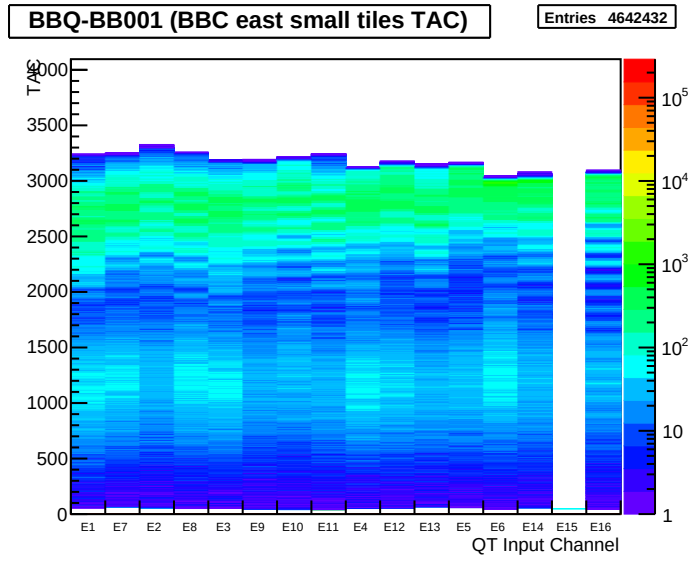

L2-TF201
Entries 290152
TOF total mult

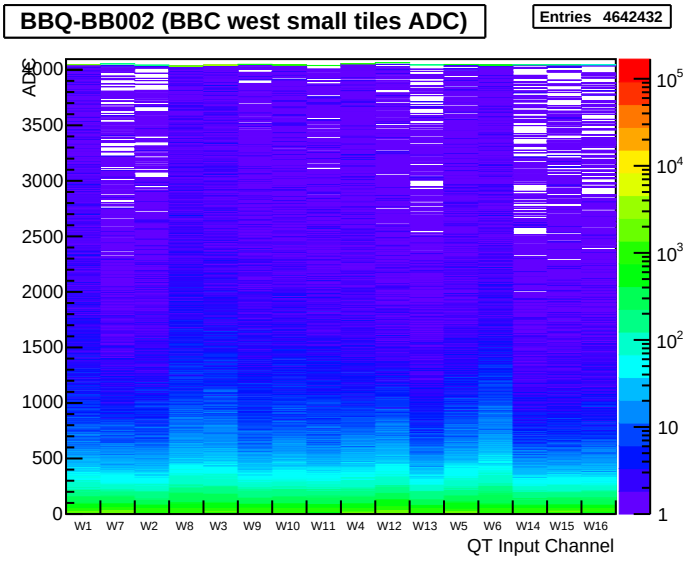

L2-TF201
Entries 0
TOF total mult(Real-Simu)

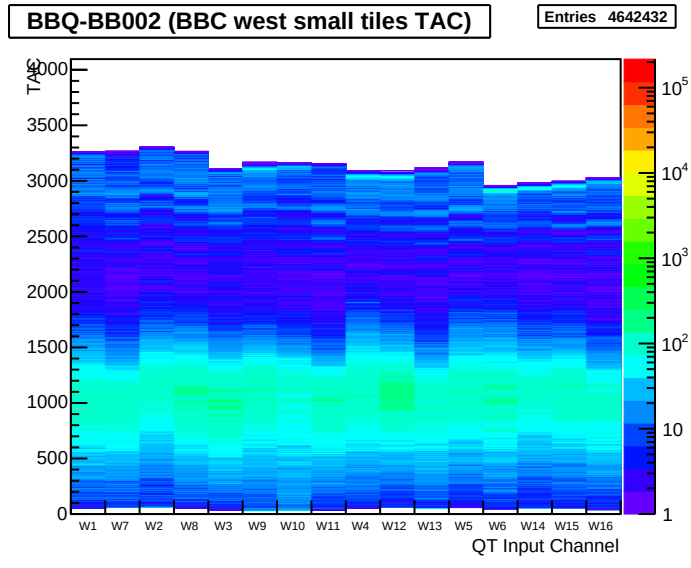

L2-TF201
Entries 2031064
Threshold/UPC bits
261681
264022
24180
263651
261659
259397
281092
28471
26130
265972
26501
28493
30755
9060
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

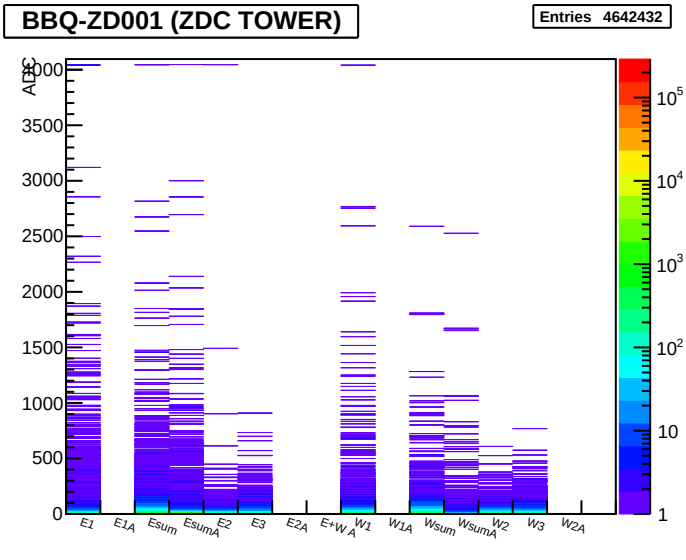

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

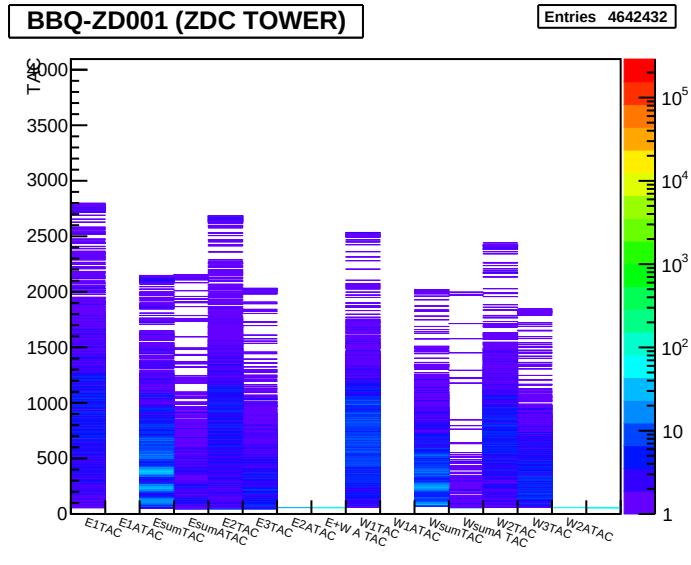

BBQ-BB001 (BBC east small tiles ADC)
Entries 4642432
ADC
QT Input Channel

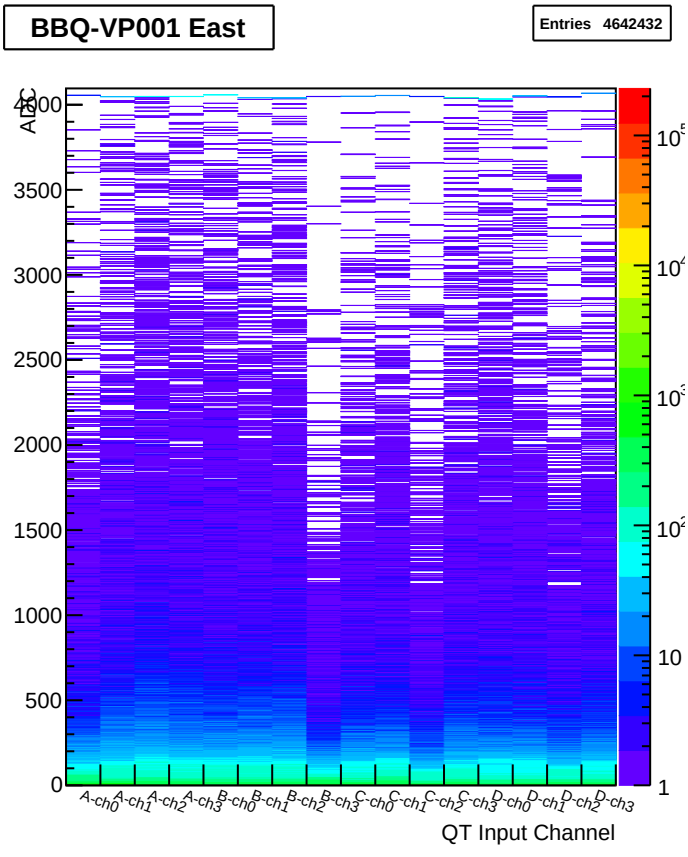

BBQ-BB001 (BBC east small tiles TAC)
Entries 4642432
TAC
QT Input Channel

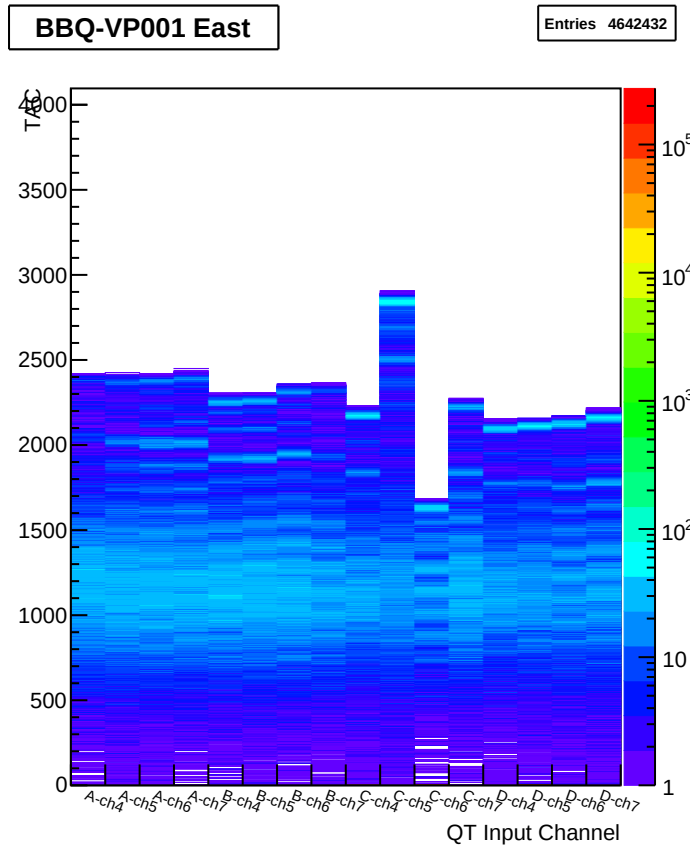

BBQ-BB002 (BBC west small tiles ADC)
Entries 4642432
ADC
QT Input Channel

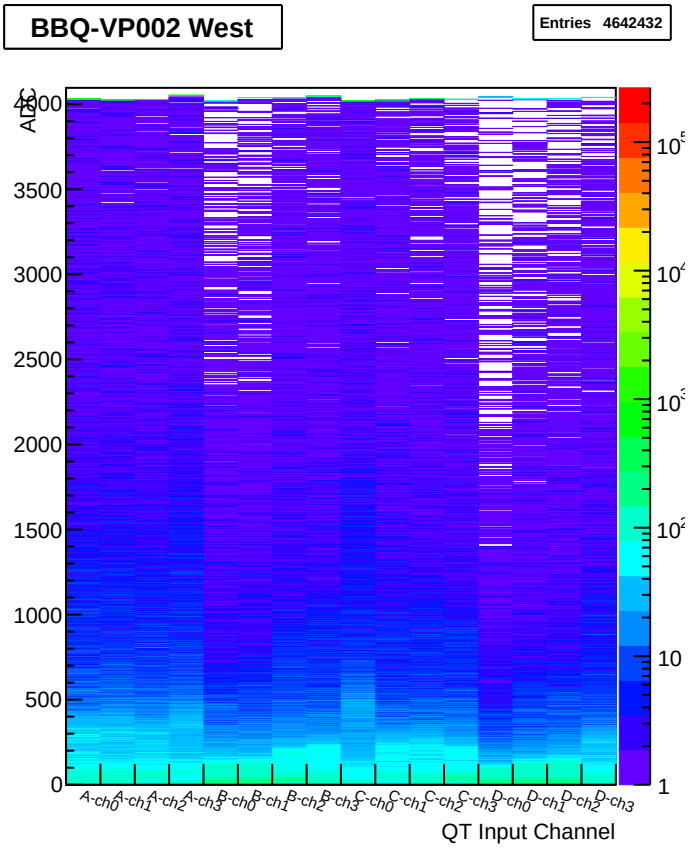

BBQ-BB002 (BBC west small tiles TAC)
Entries 4642432
TAC
QT Input Channel

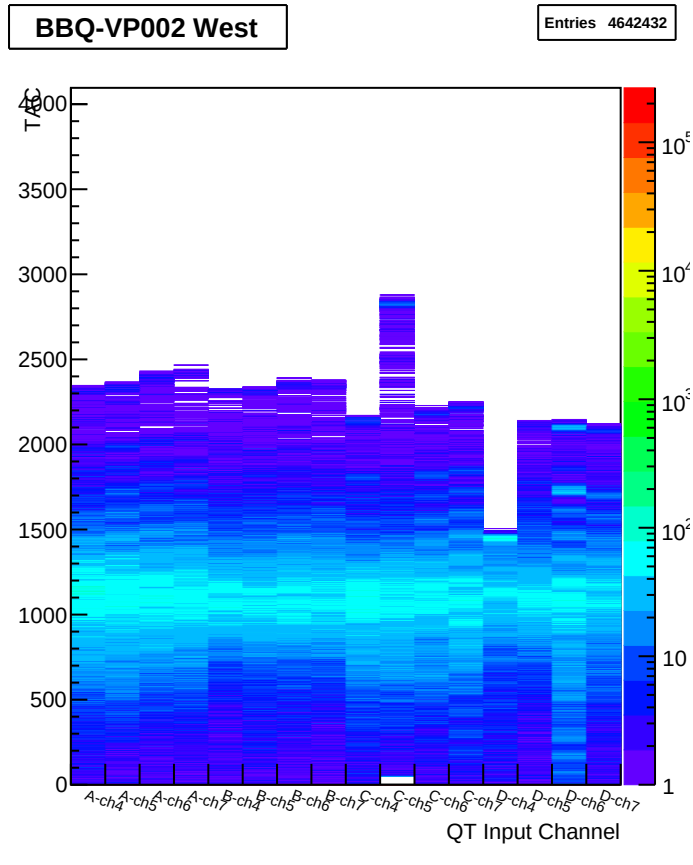

BBQ-ZD001 (ZDC TOWER)
Entries 4642432
ADC

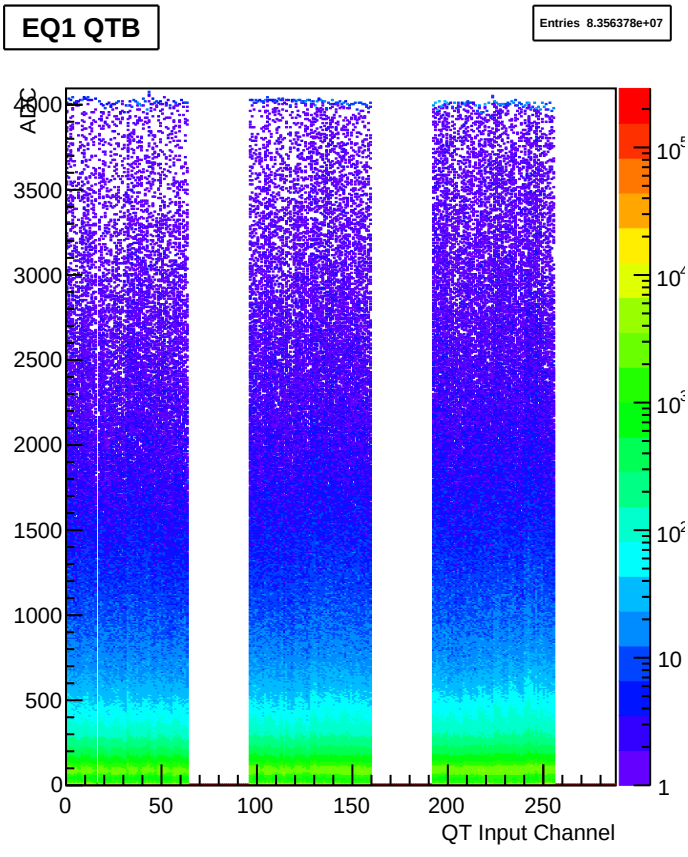

BBQ-ZD001 (ZDC TOWER)
Entries 4642432
TAC

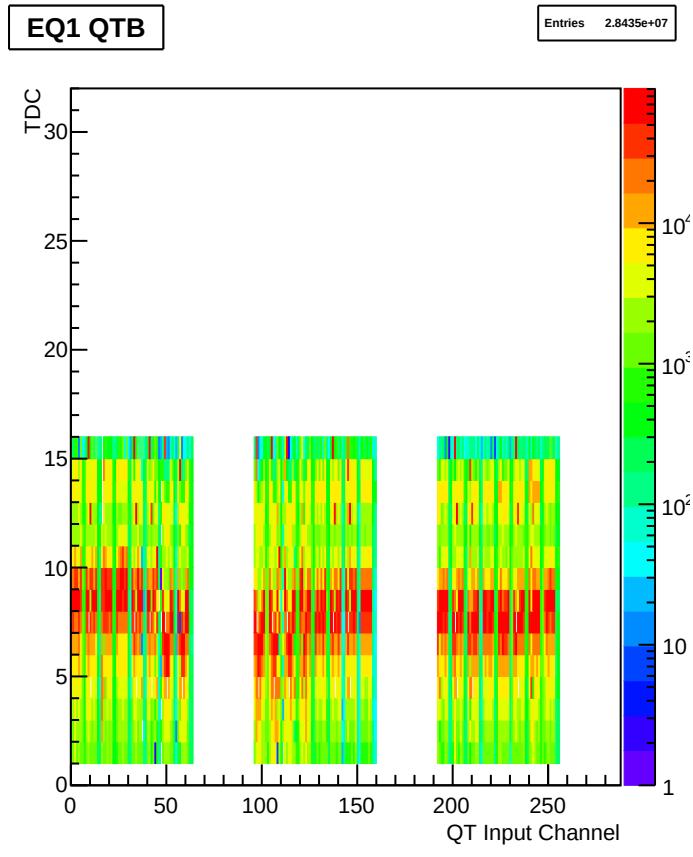

BBQ-VP001 East
Entries 4642432
ADC
QT Input Channel

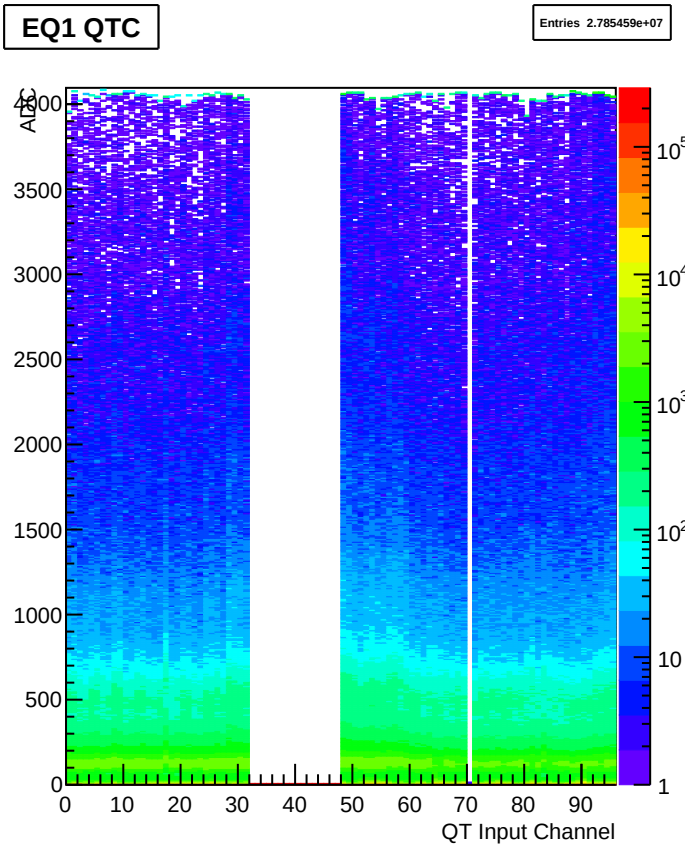

BBQ-VP001 East
Entries 4642432
TADC
QT Input Channel

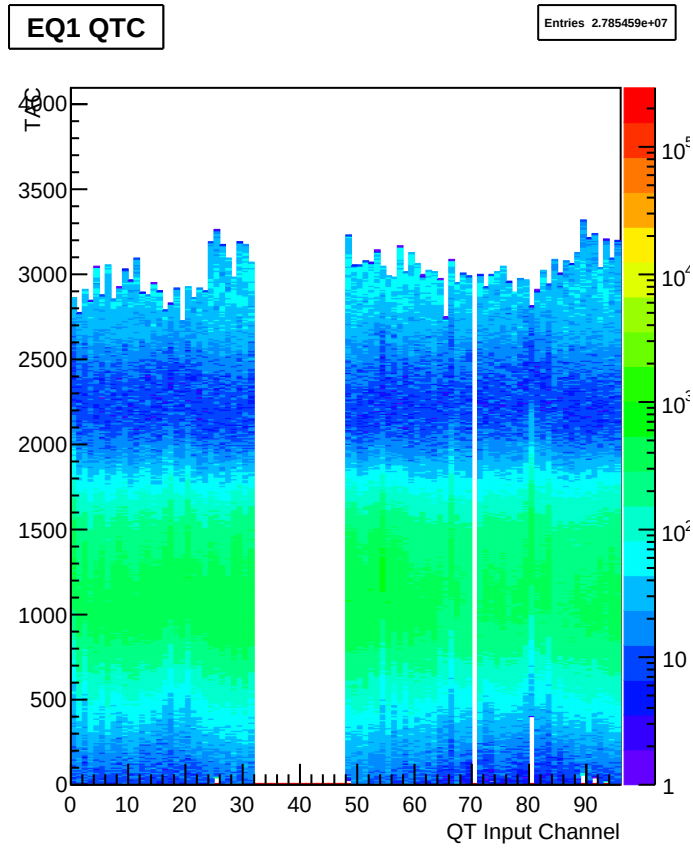

BBQ-VP002 West
Entries 4642432
ADC
QT Input Channel

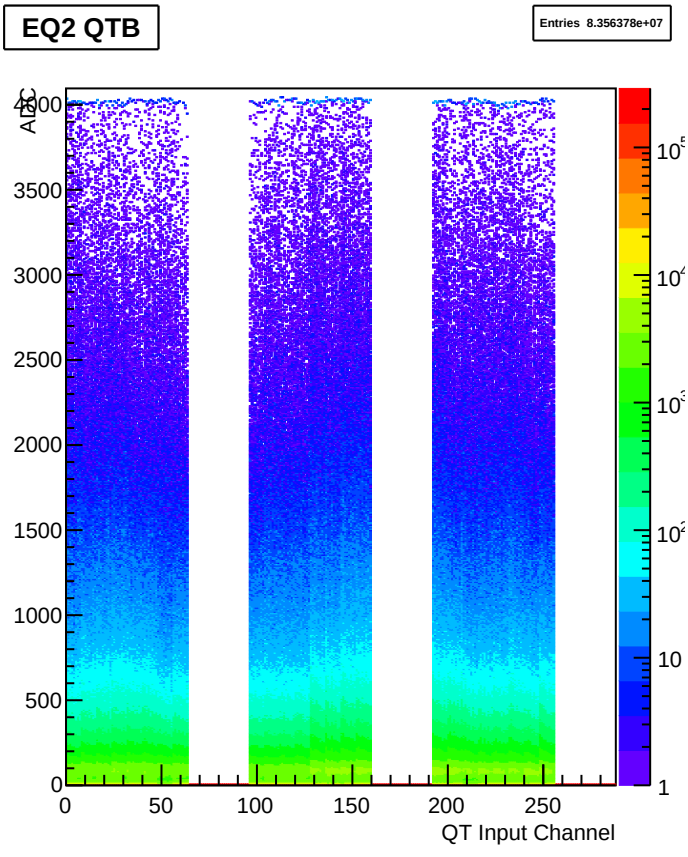

BBQ-VP002 West
Entries 4642432
TADC
QT Input Channel

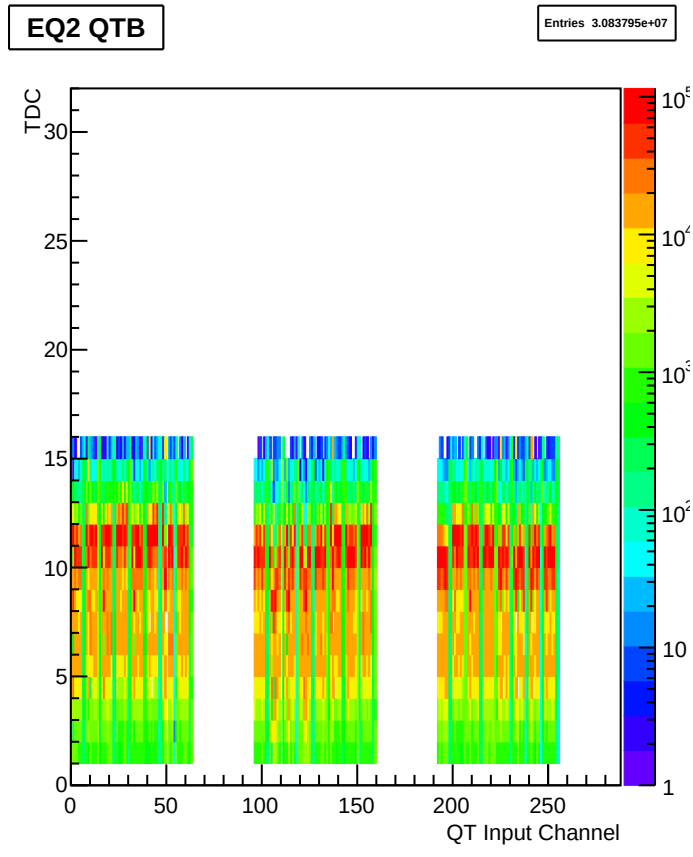

EQ1 QTB
Entries 8.356378e+07
ADC
QT Input Channel

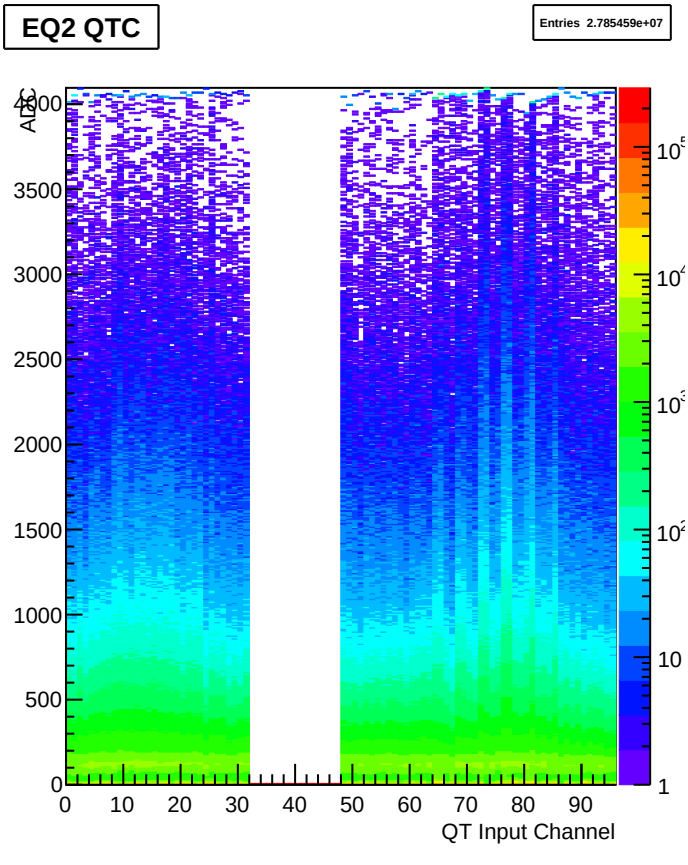

EQ1 QTB
Entries 2.8435e+07
TDC
QT Input Channel

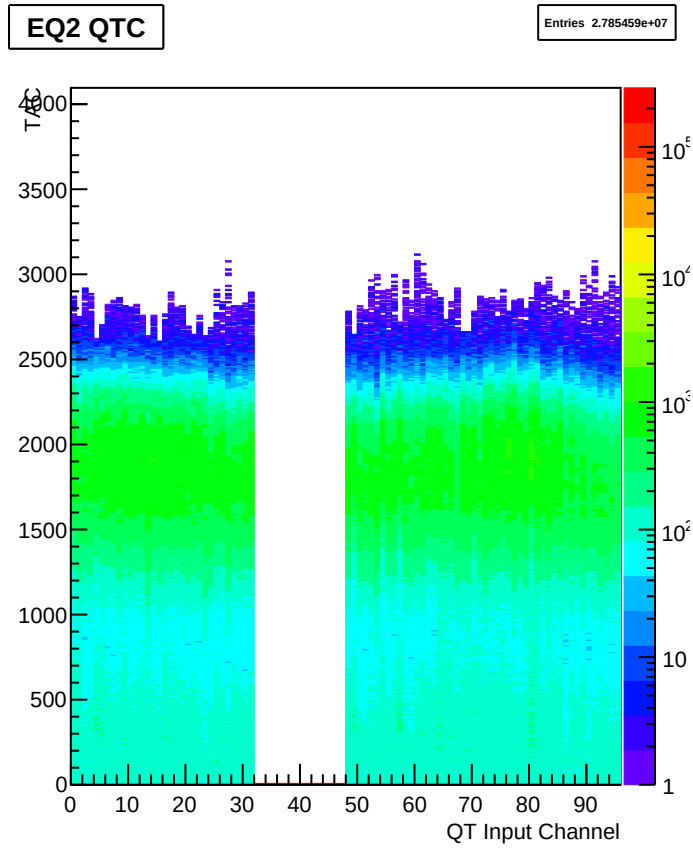

EQ1 QTC
Entries 2.785459e+07
ADC
QT Input Channel

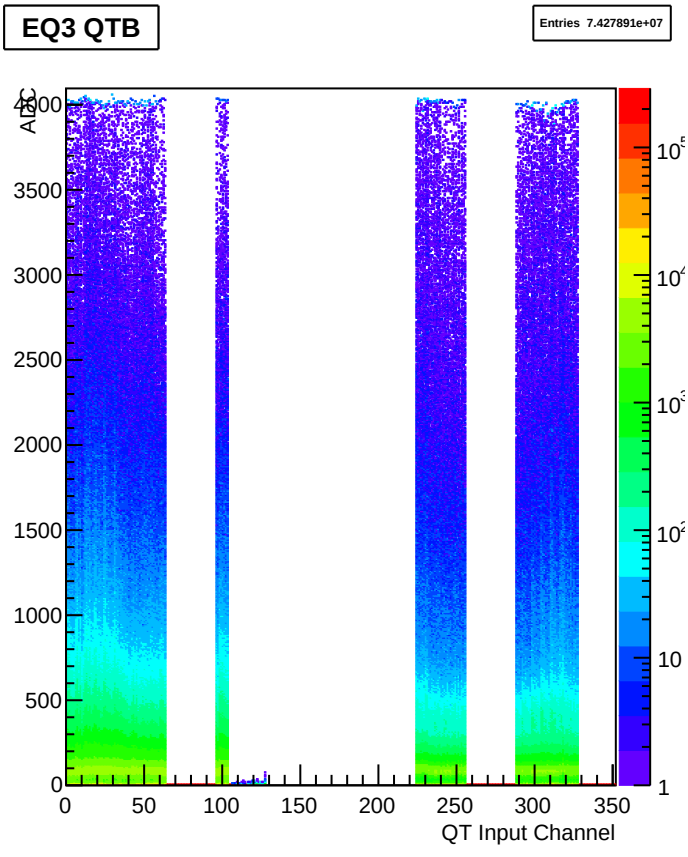

EQ1 QTC
Entries 2.785459e+07
TADC
QT Input Channel

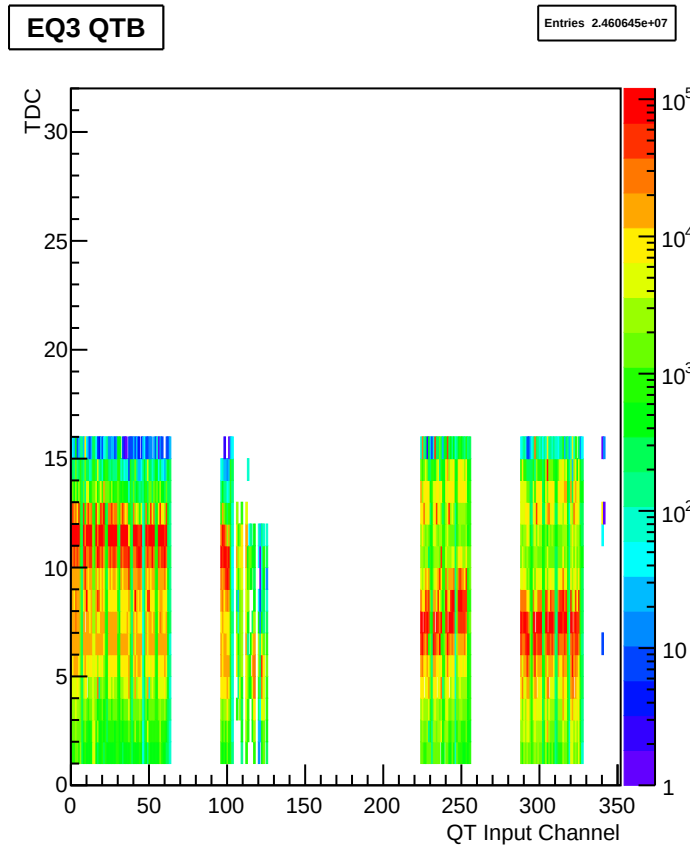

EQ2 QTB
Entries 8.356378e+07
ADC
QT Input Channel

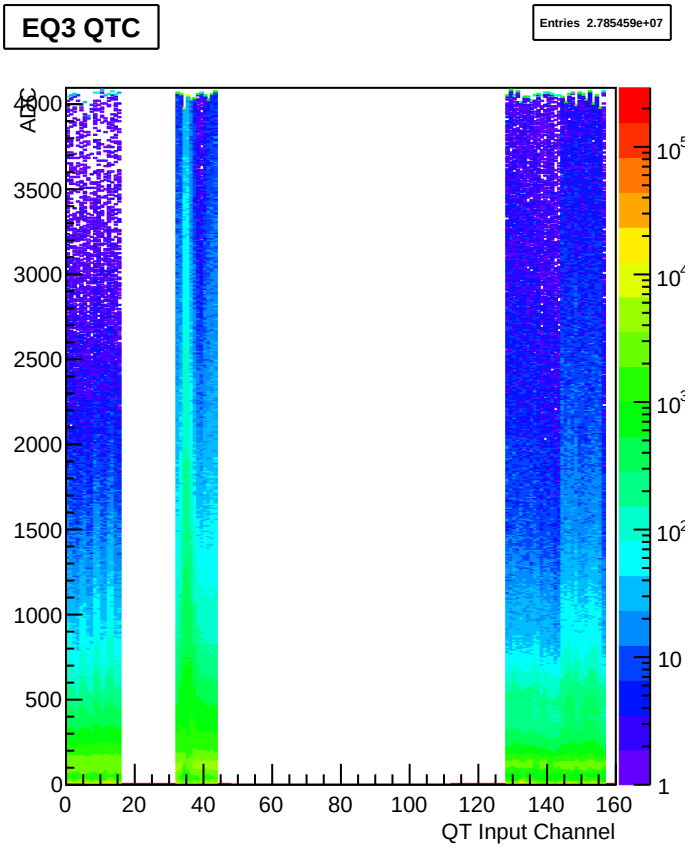

EQ2 QTB
Entries 3.083795e+07
TDC
QT Input Channel

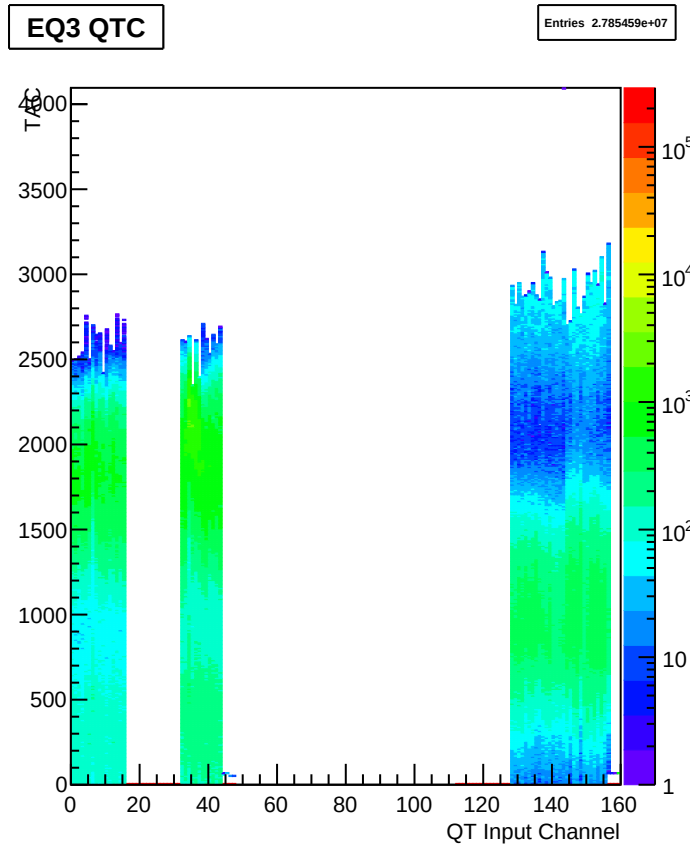

EQ2 QTC
Entries 2.785459e+07
ADC
QT Input Channel

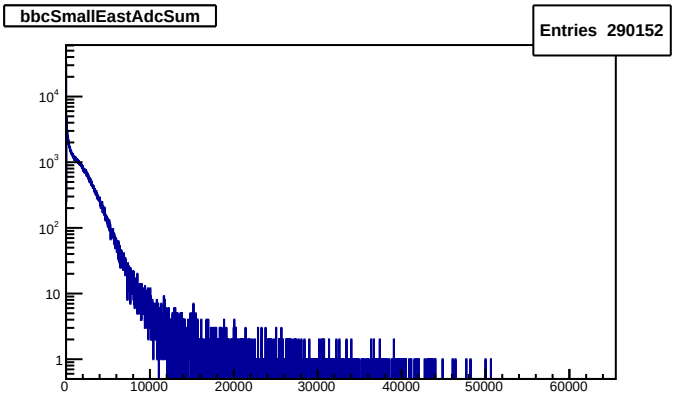

EQ2 QTC
Entries 2.785459e+07
TADC
QT Input Channel

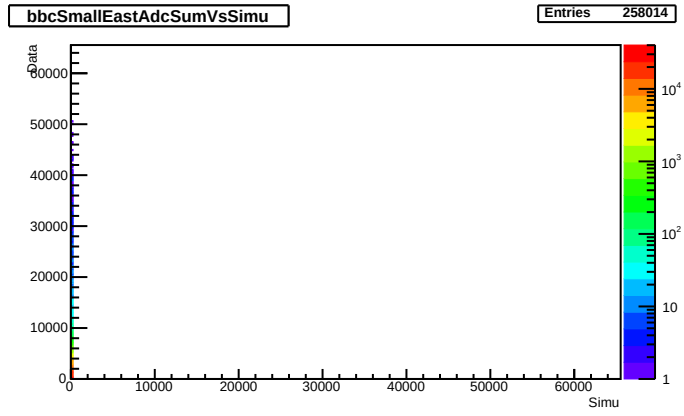

EQ3 QTB
Entries 7.427891e+07
ADC
QT Input Channel

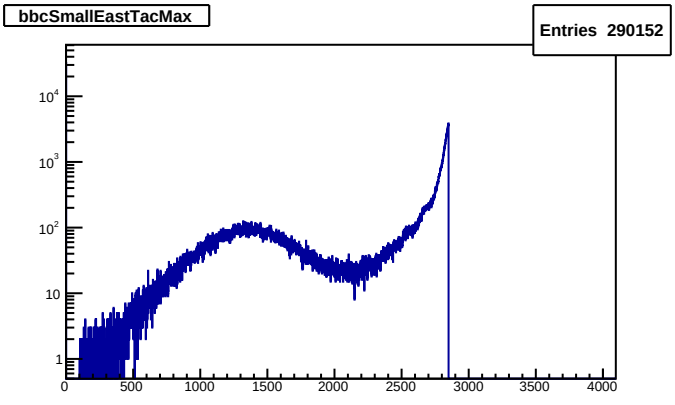

EQ3 QTB
Entries 2.460645e+07
TDC
QT Input Channel

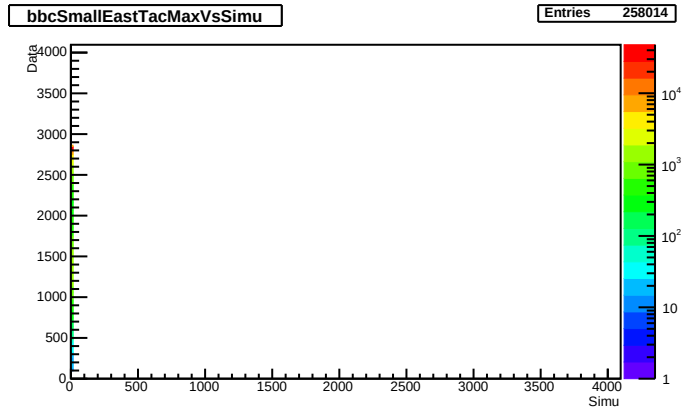

EQ3 QTC
Entries 2.785459e+07
ADC
QT Input Channel

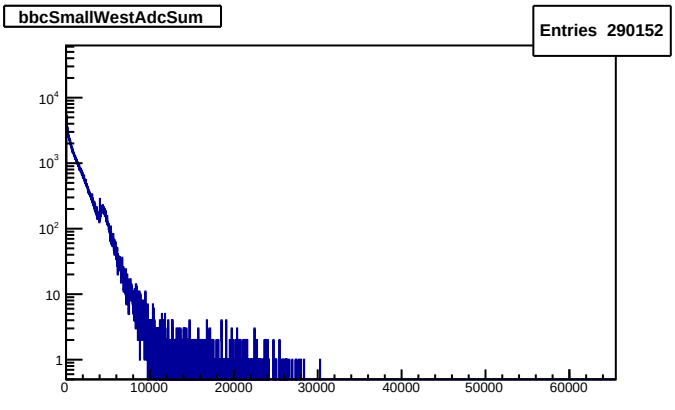

EQ3 QTC
Entries 2.785459e+07
TADC
QT Input Channel

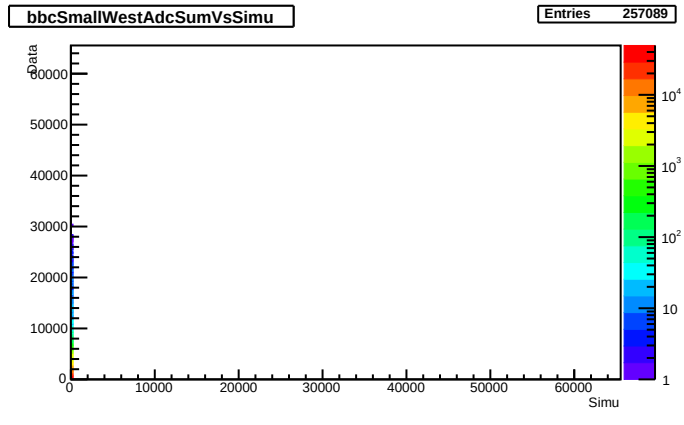

bbcSmallEastAdcSum
Entries 290152

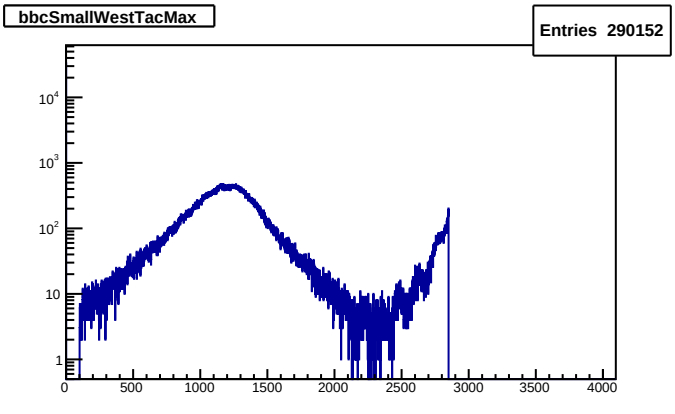

bbcSmallEastAdcSumVsSimu
Entries 258014
Data
Simu

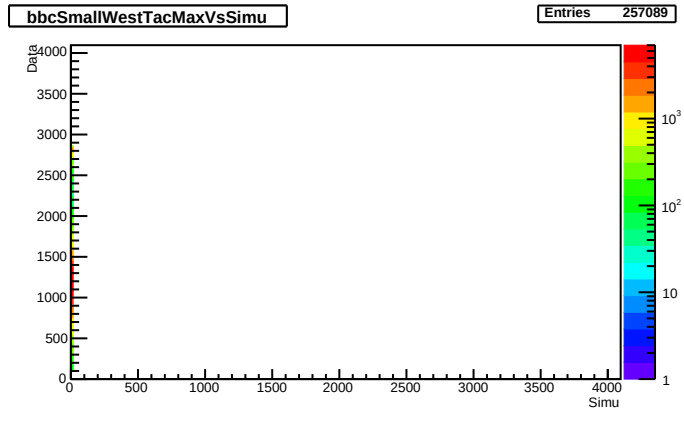

bbcSmallEastTacMax
Entries 290152

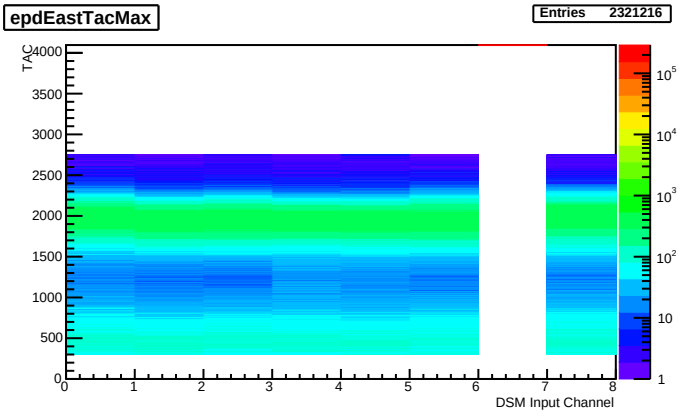

bbcSmallEastTacMaxVsSimu
Entries 258014
Data
Simu

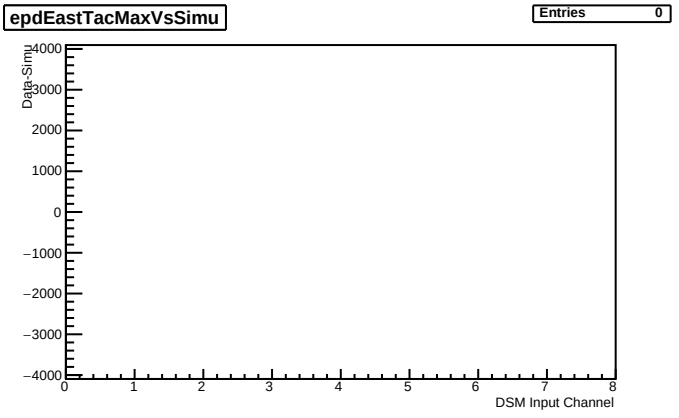

bbcSmallWestAdcSum
Entries 290152

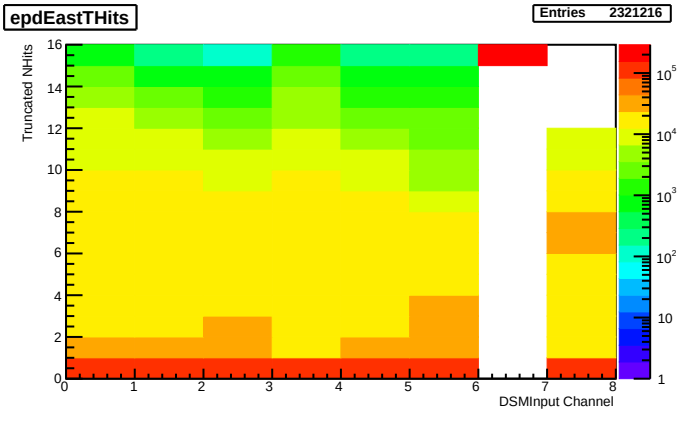

bbcSmallWestAdcSumVsSimu
Entries 257089
Data
Simu

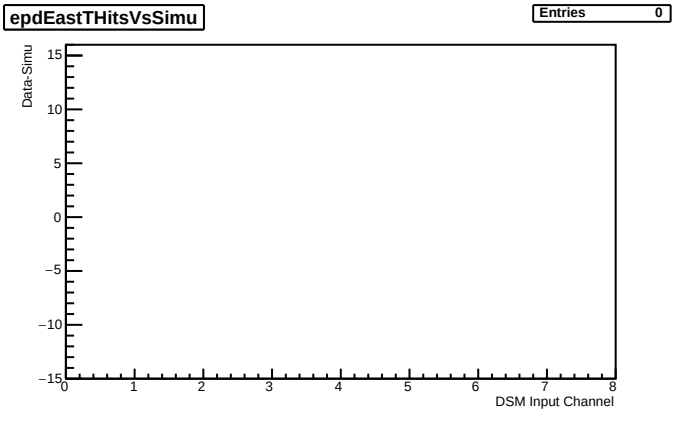

bbcSmallWestTacMax
Entries 290152

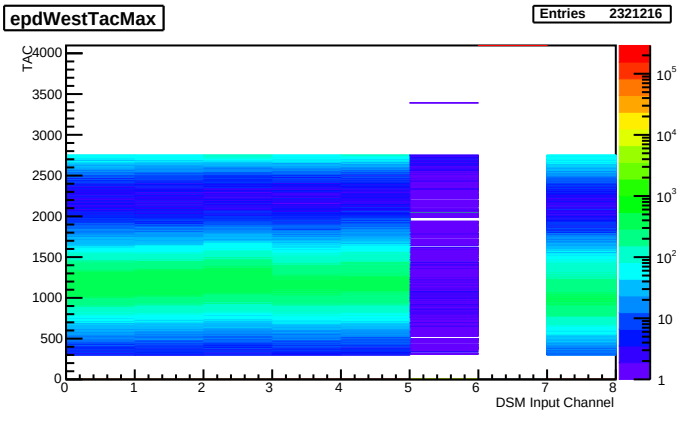

bbcSmallWestTacMaxVsSimu
Entries 257089
Data
Simu

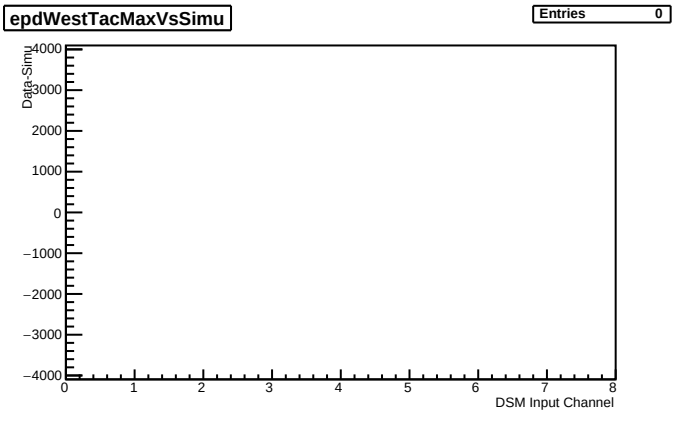

epdEastTacMax
Entries 2321216
TAC
DSM Input Channel

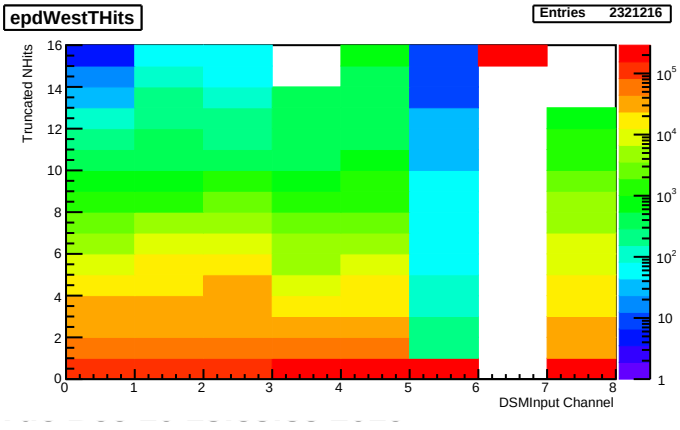

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

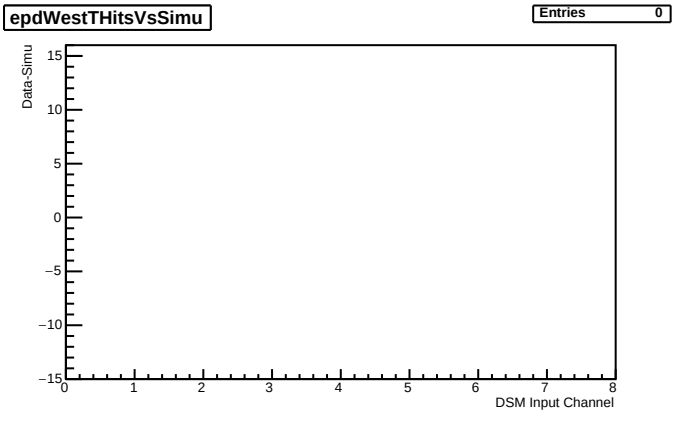

epdEastTHits
Entries 2321216
Truncated NHits
DSMInput Channel

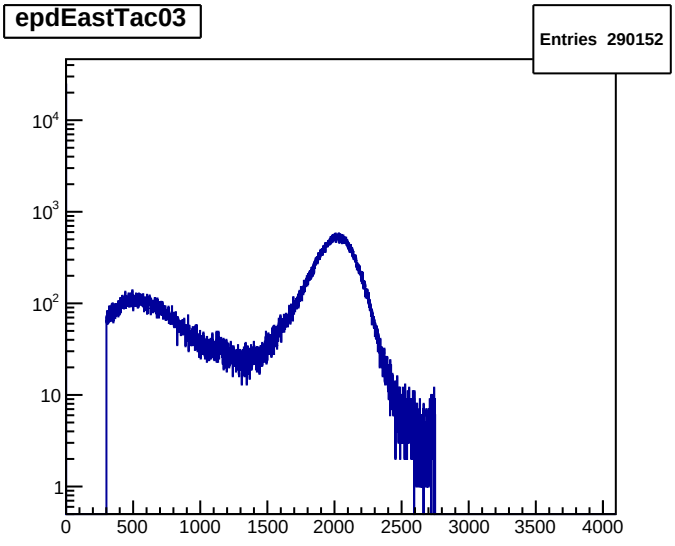

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

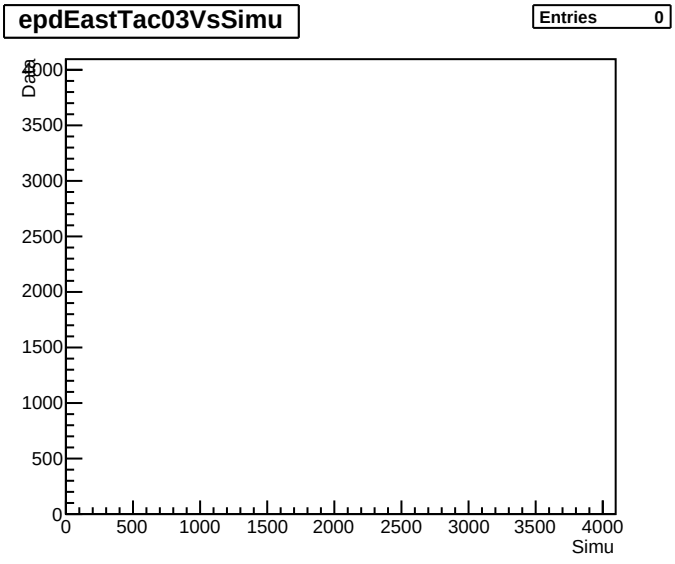

epdWestTacMax
Entries 2321216
TAC
DSM Input Channel

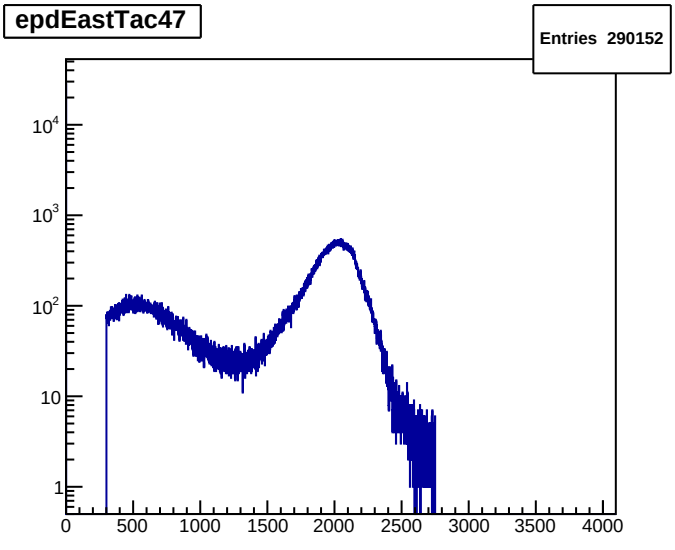

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

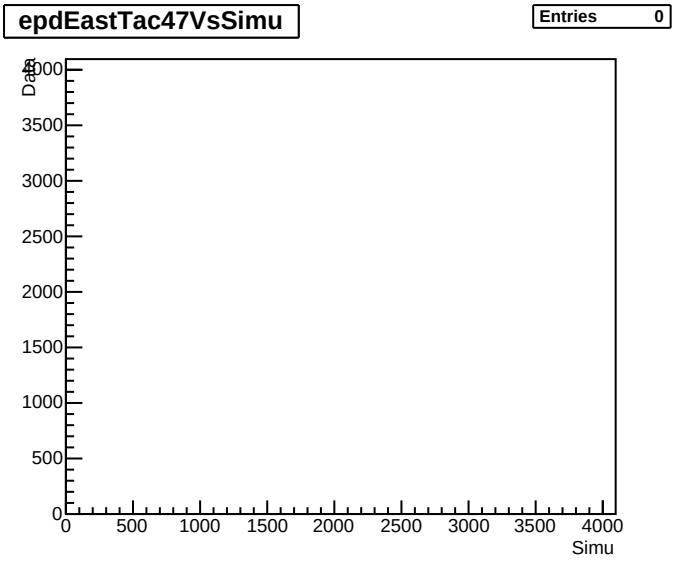

epdWestTHits
Entries 2321216
Truncated NHits
DSMInput Channel

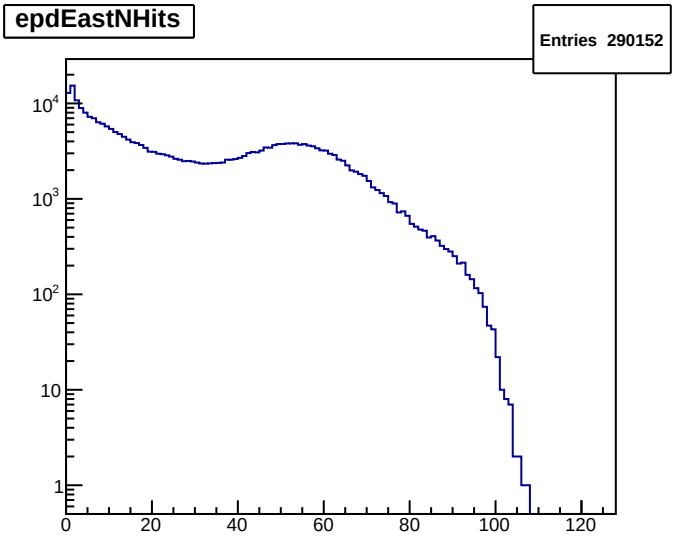

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

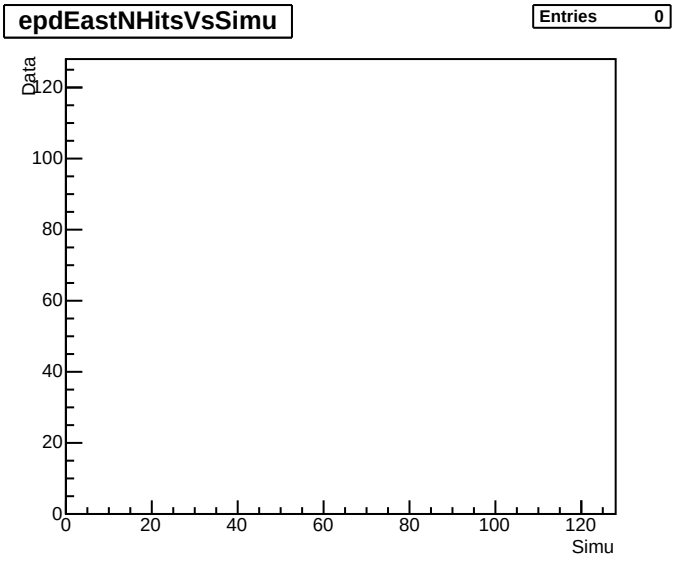

epdEastTac03
Entries 290152


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 290152


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 290152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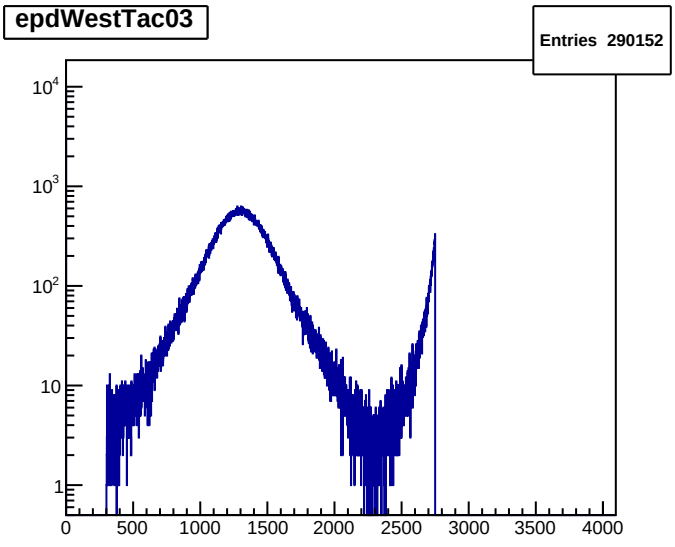
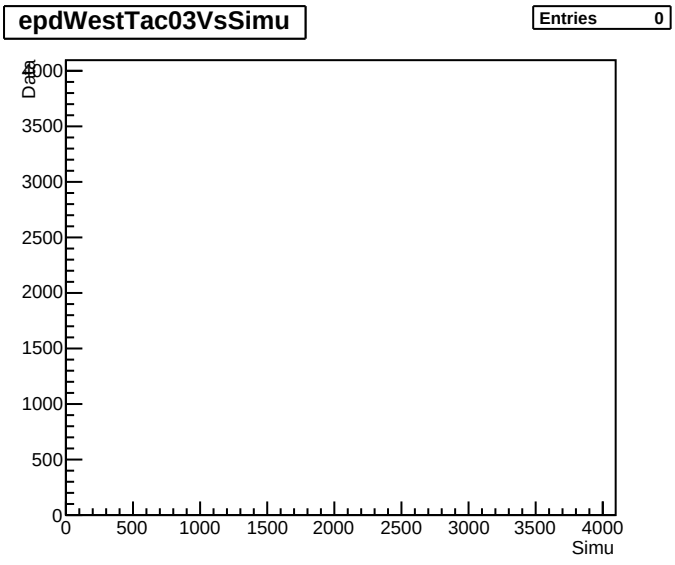
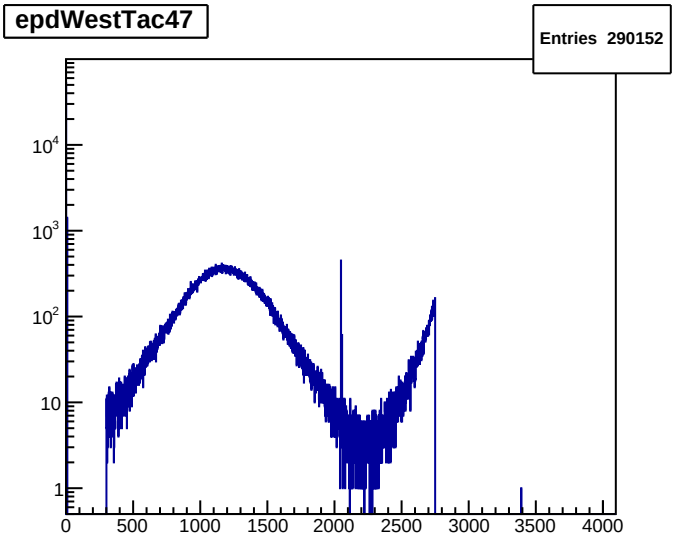
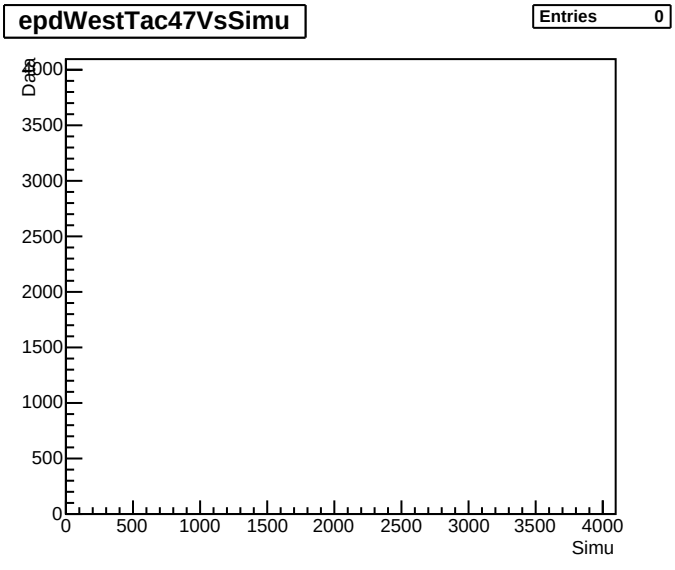
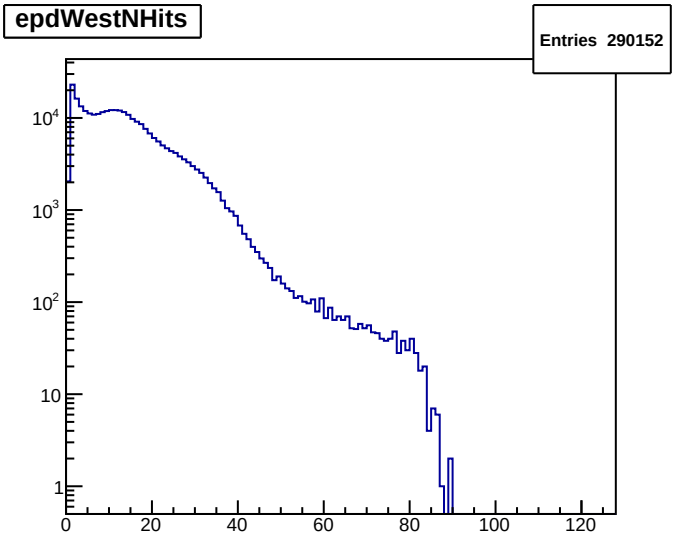
Entries 0
Data
Simu

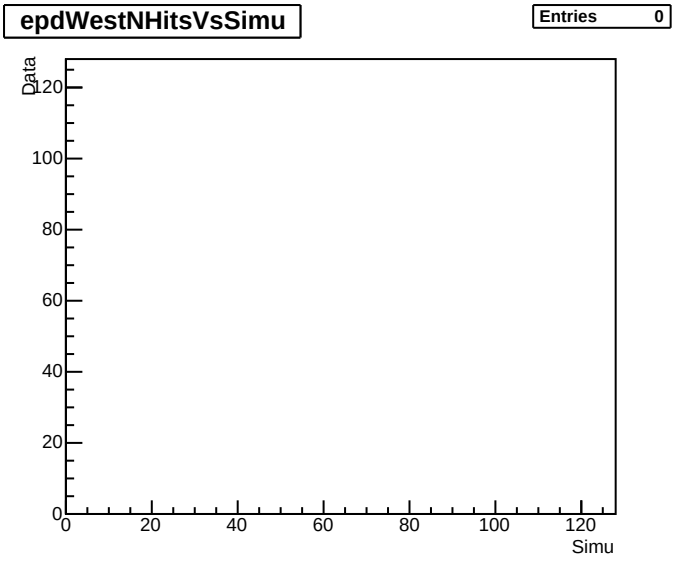

epdWestTac03
Entries 290152

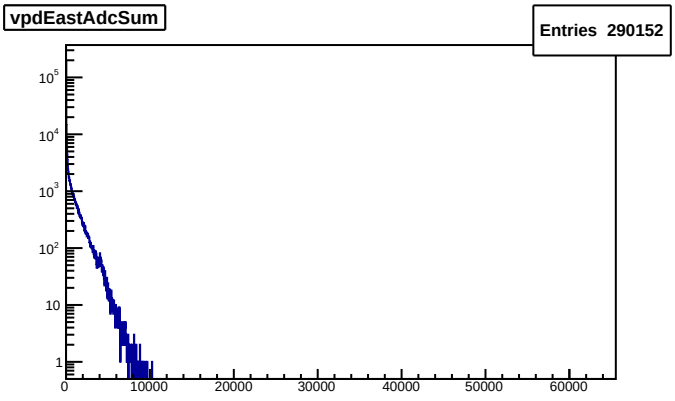

epdWestTac03VsSimu
Entries 0
Data
Simu

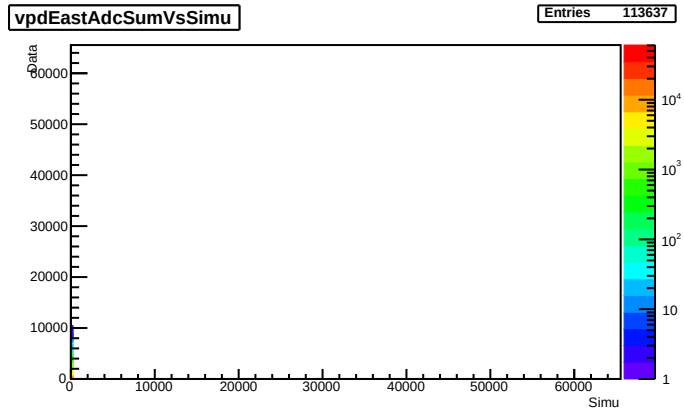

epdWestTac47
Entries 290152

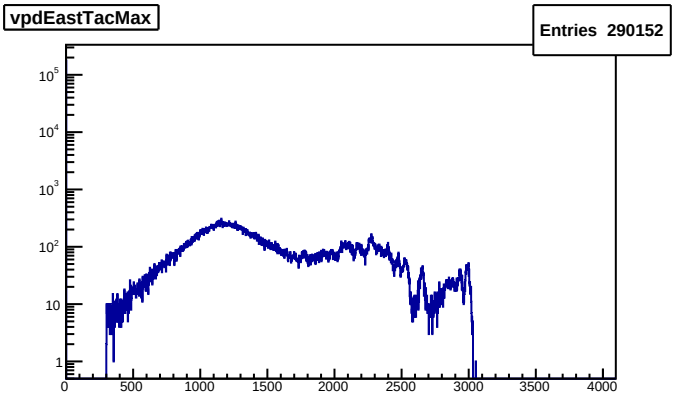

epdWestTac47VsSimu
Entries 0
Data
Simu

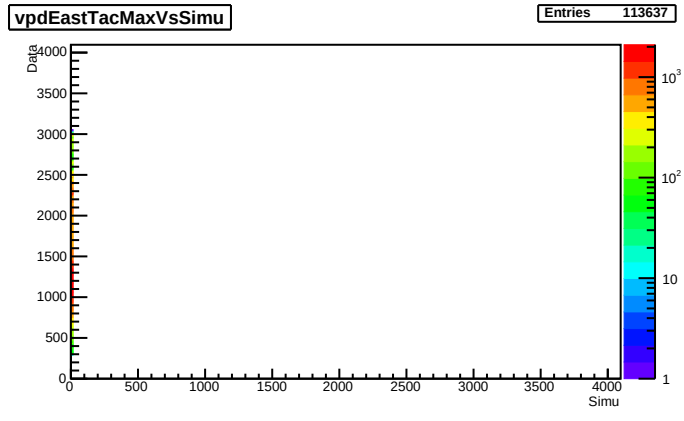

epdWestNHits
Entries 290152

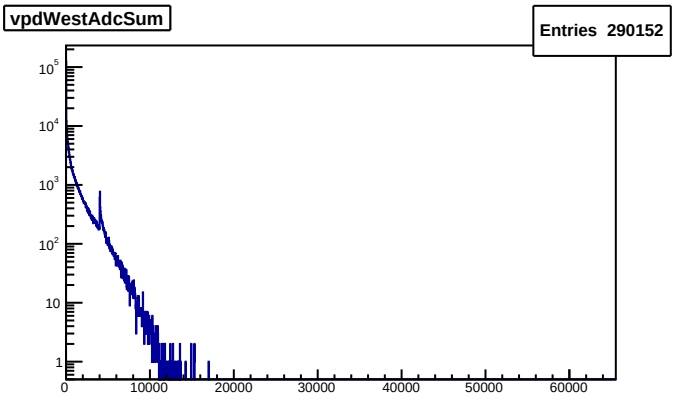

epdWestNHitsVsSimu
Entries 0
Data
Simu

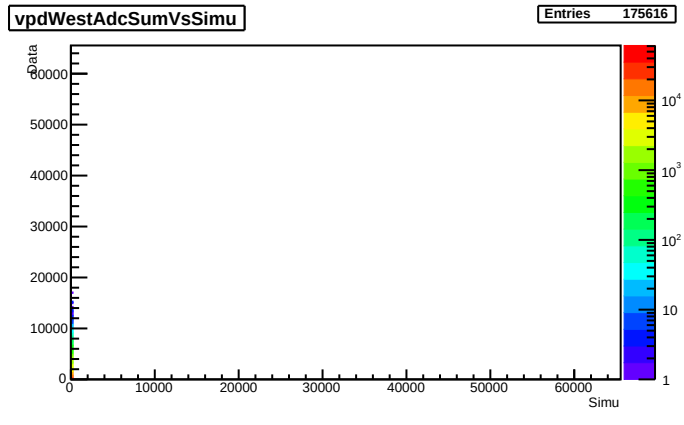

vpdEastAdcSum
Entries 290152

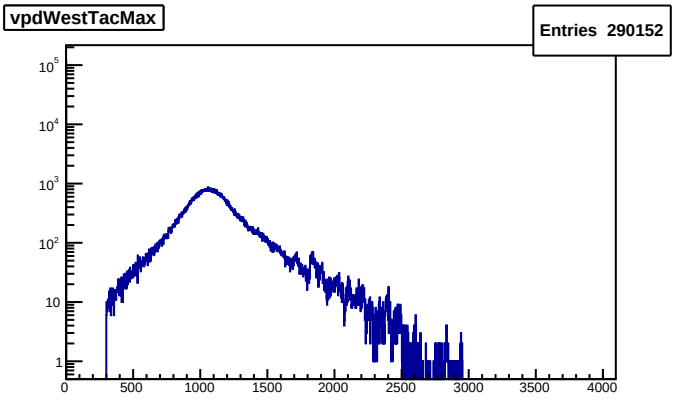

vpdEastAdcSumVsSimu
Entries 113637
Data
Simu

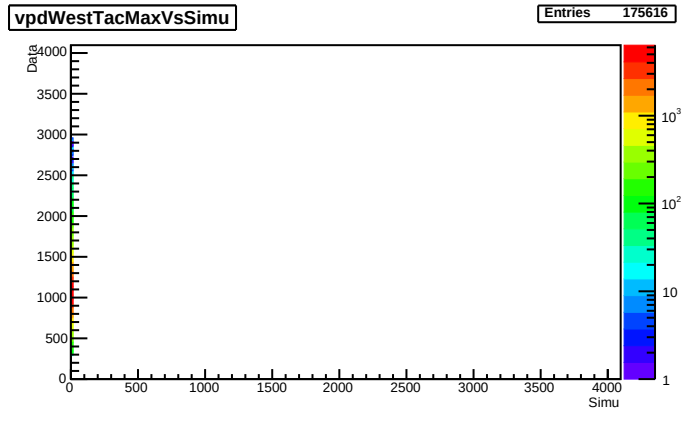

vpdEastTacMax
Entries 290152

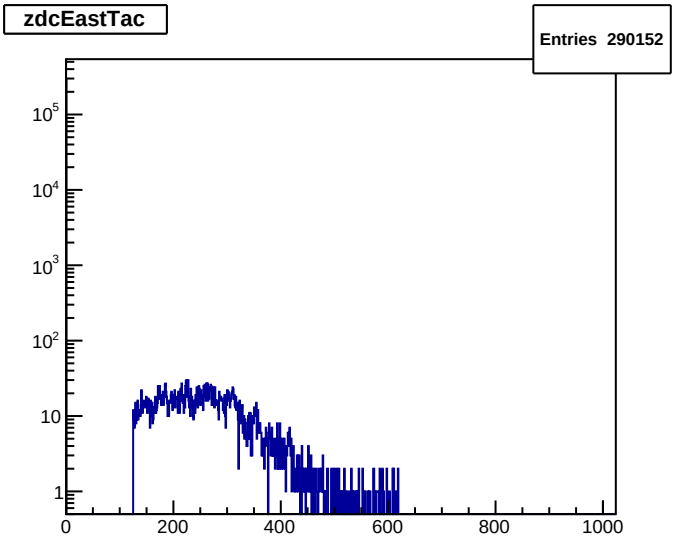

vpdEastTacMaxVsSimu
Entries 113637
Data
Simu

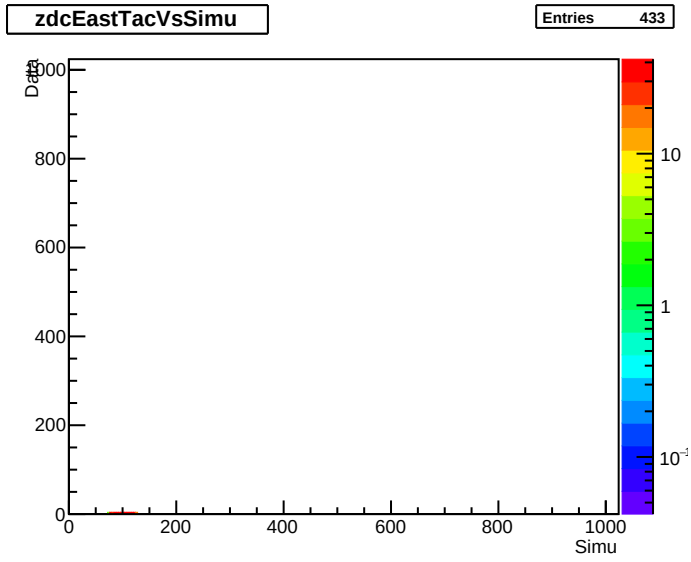

vpdWestAdcSum
Entries 290152

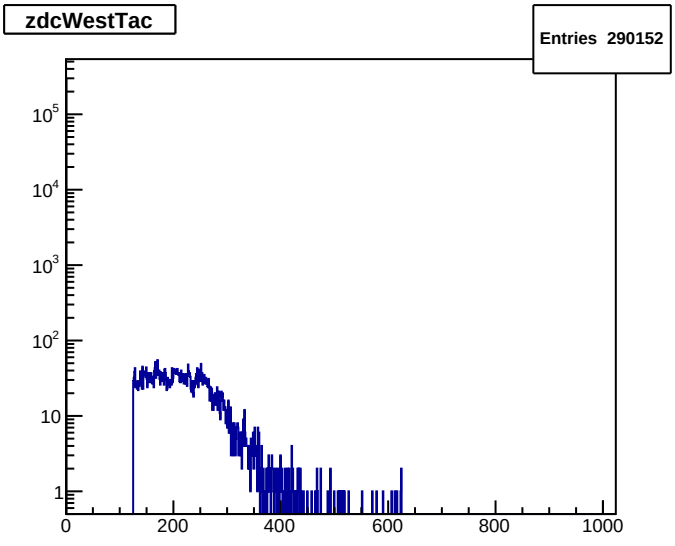

vpdWestAdcSumVsSimu
Entries 175616
Data
Simu

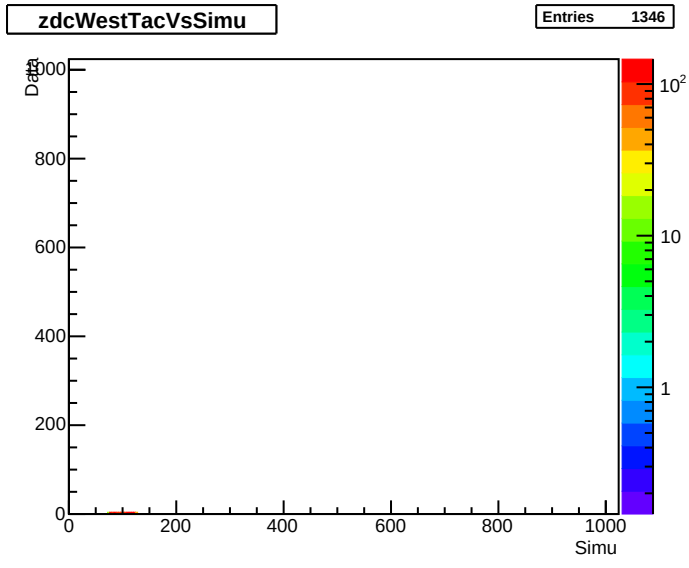

vpdWestTacMax
Entries 290152

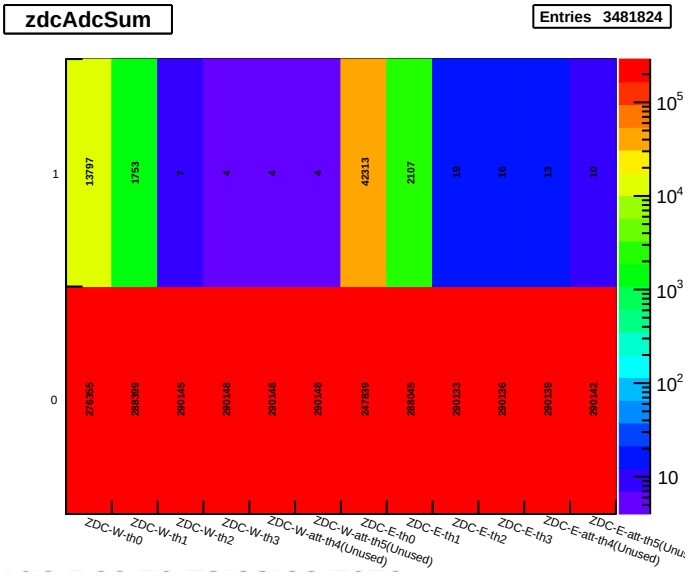

vpdWestTacMaxVsSimu
Entries 175616
Data
Simu

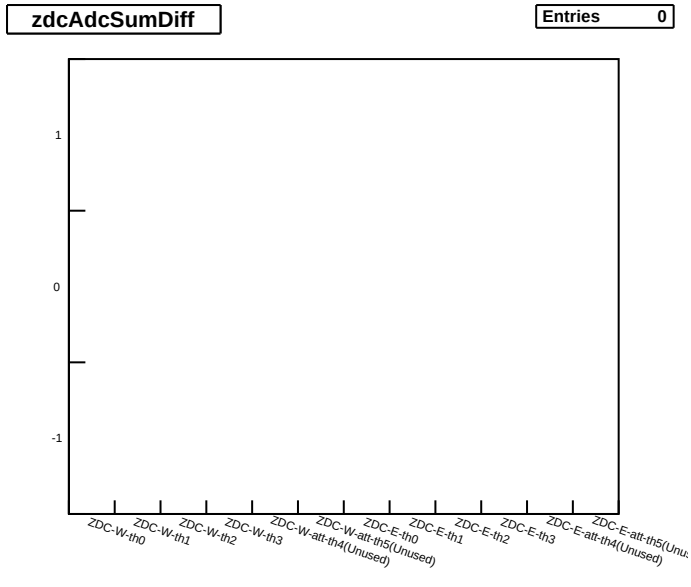

zdcEastTac
Entries 290152

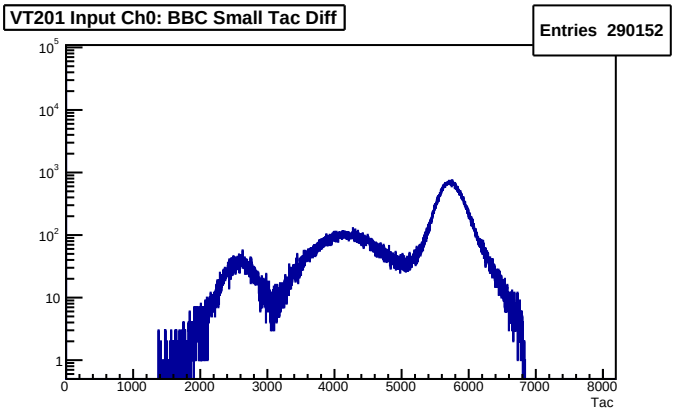

zdcEastTacVsSimu
Entries 433
Data
Simu

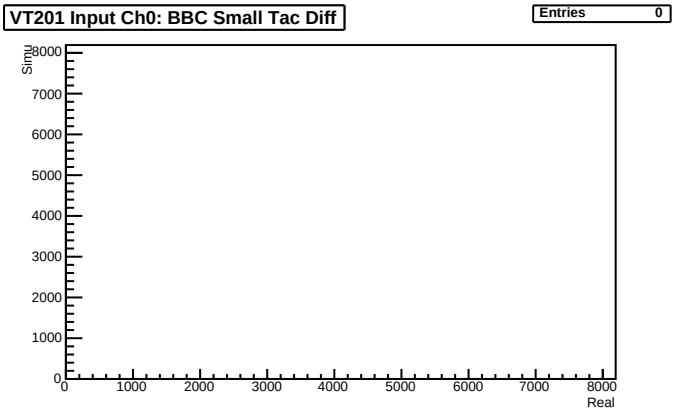

zdcWestTac
Entries 290152

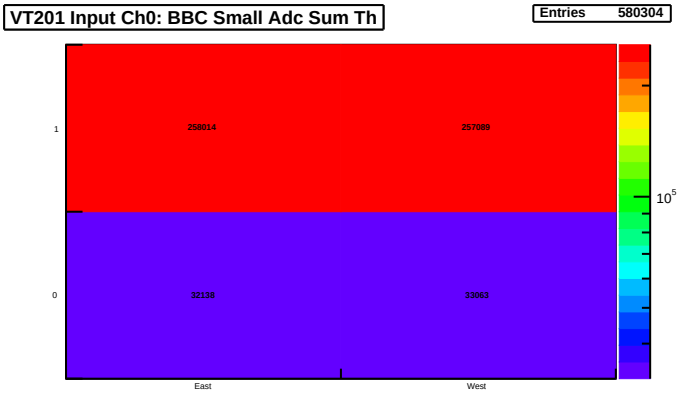

zdcWestTacVsSimu
Entries 1346
Data
Simu

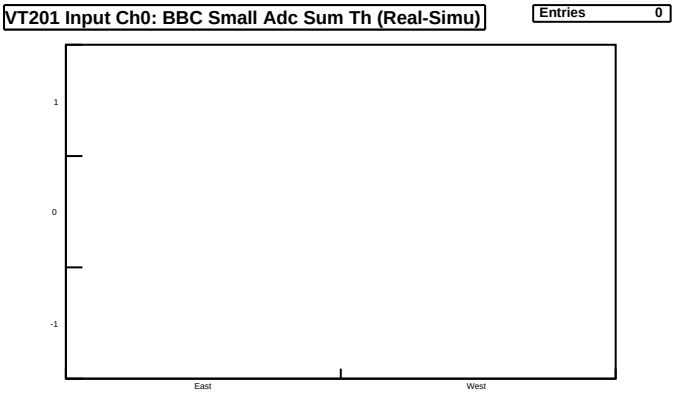

zdcAdcSum
Entries 3481824
13797
1753
7
4
4
4
42313
2107
19
16
13
10
276355
288399
290145
290148
290148
290148
247839
288045
290133
290136
290139
290142
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

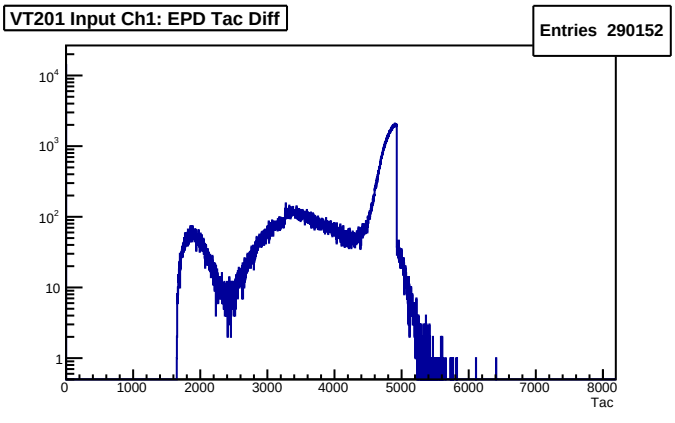

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

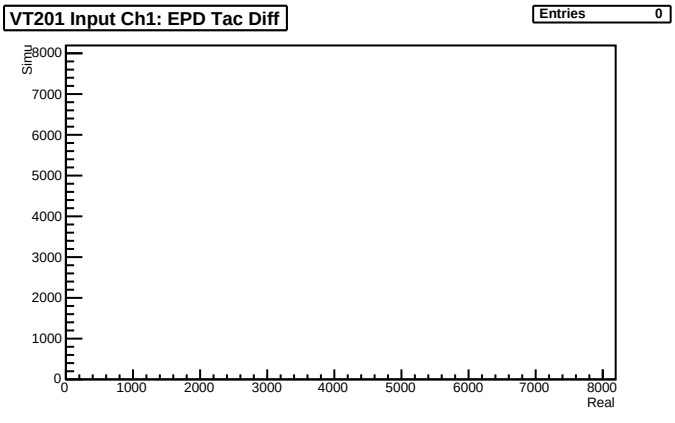

VT201 Input Ch0: BBC Small Tac Diff
Entries 290152
Tac

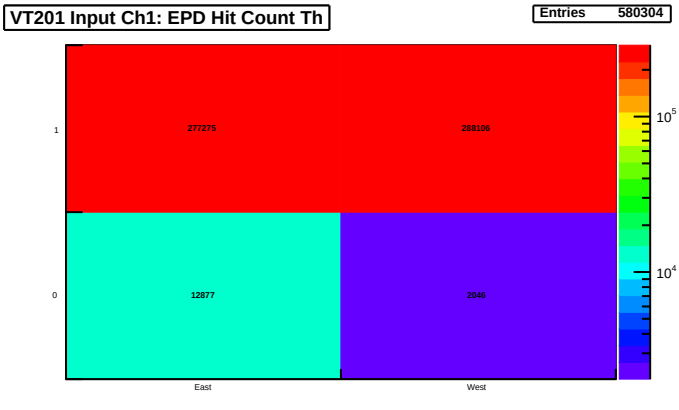

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

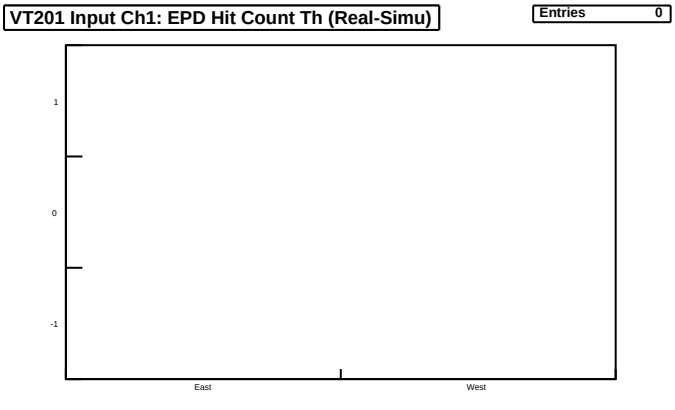

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 580304
258014
257089
32138
33063
East
West

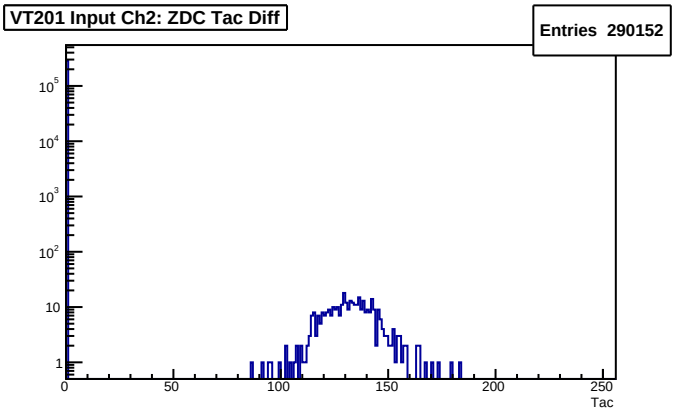

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

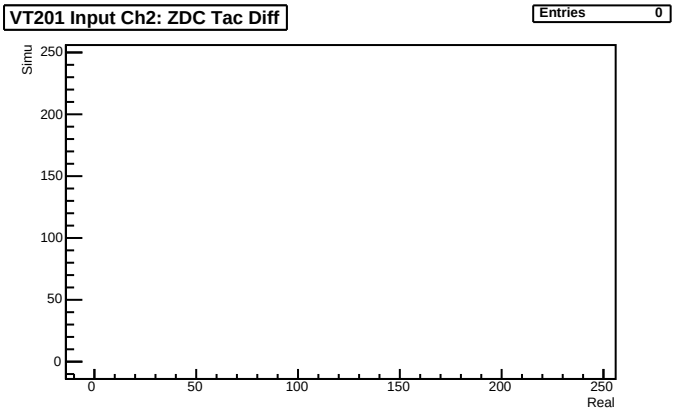

VT201 Input Ch1: EPD Tac Diff
Entries 290152
Tac

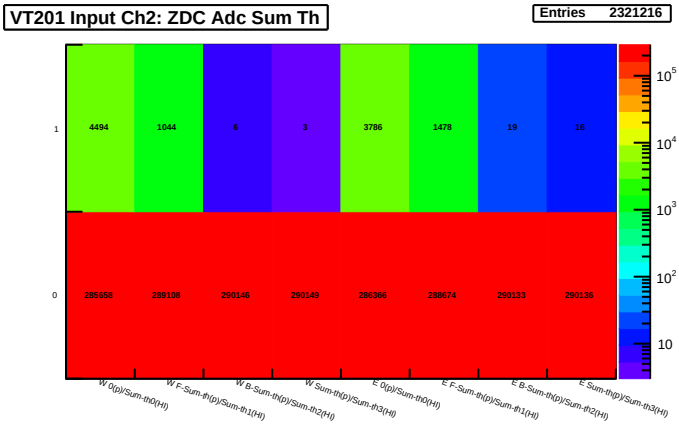

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

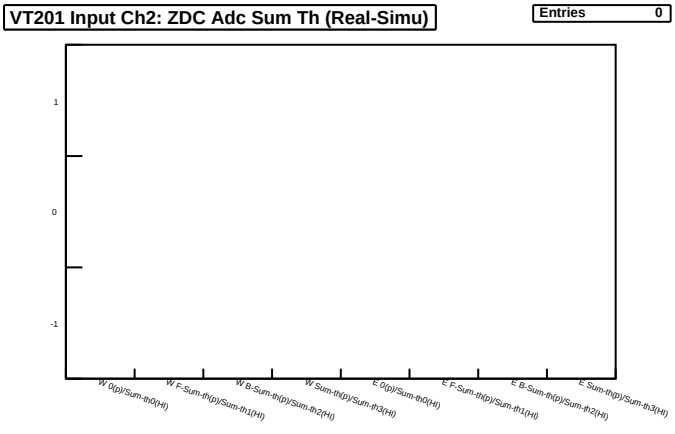

VT201 Input Ch1: EPD Hit Count Th
Entries 580304
277275
288106
12877
2046
East
West

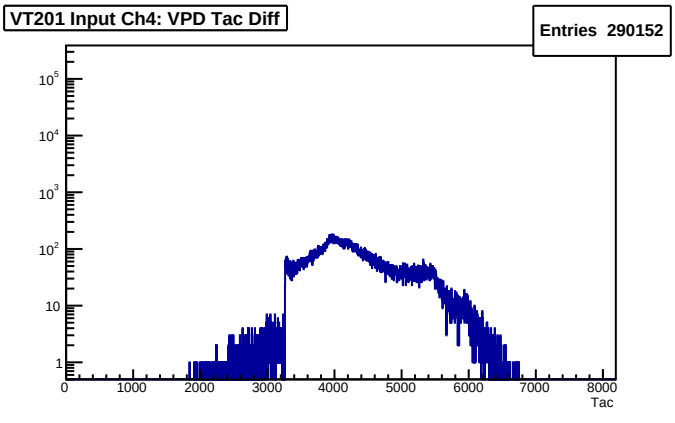

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

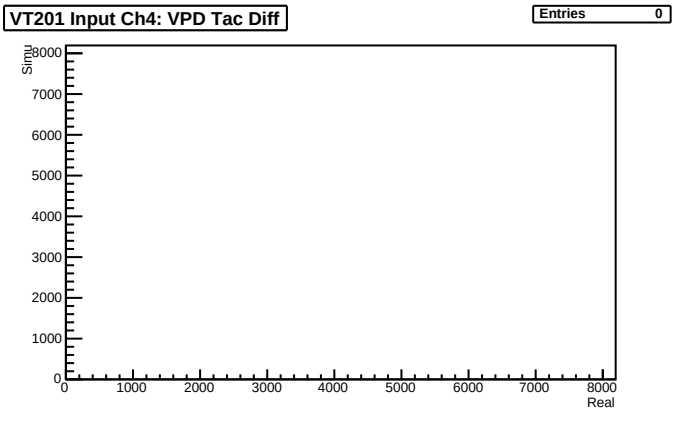

VT201 Input Ch2: ZDC Tac Diff
Entries 290152
Tac

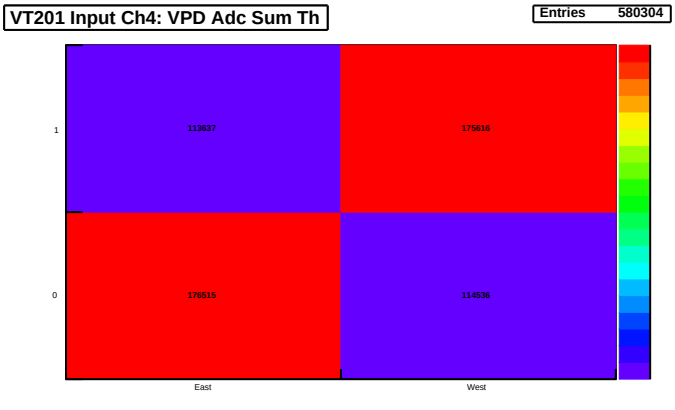

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

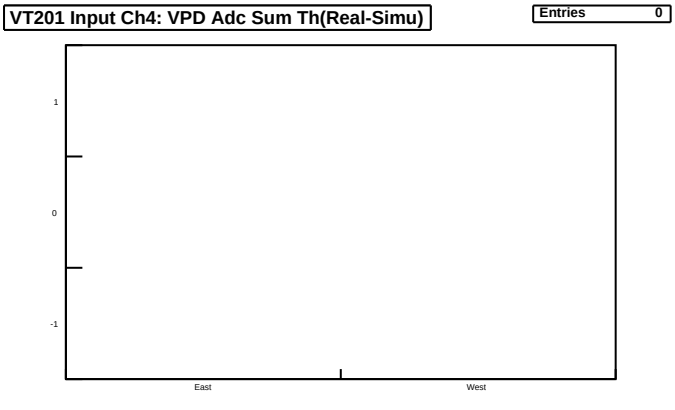

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2321216
4494
1044
6
3
3786
1478
19
16
285658
289108
290146
290149
286366
288674
290133
290136
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

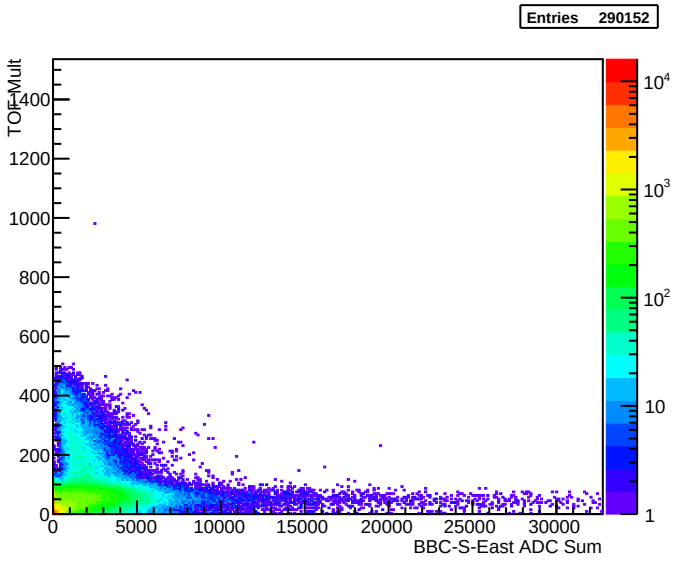

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

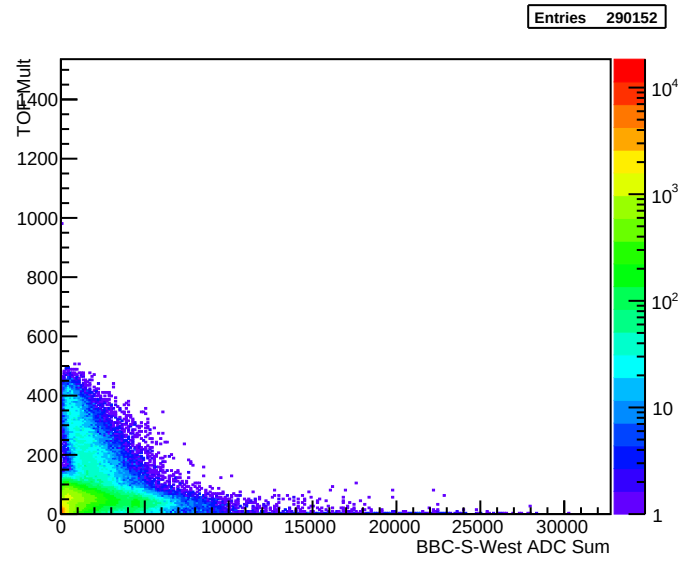

VT201 Input Ch4: VPD Tac Diff
Entries 290152
Tac

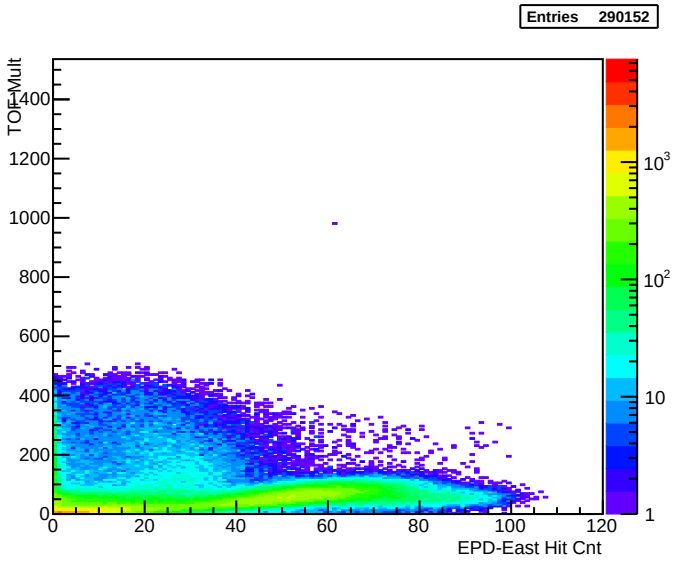

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

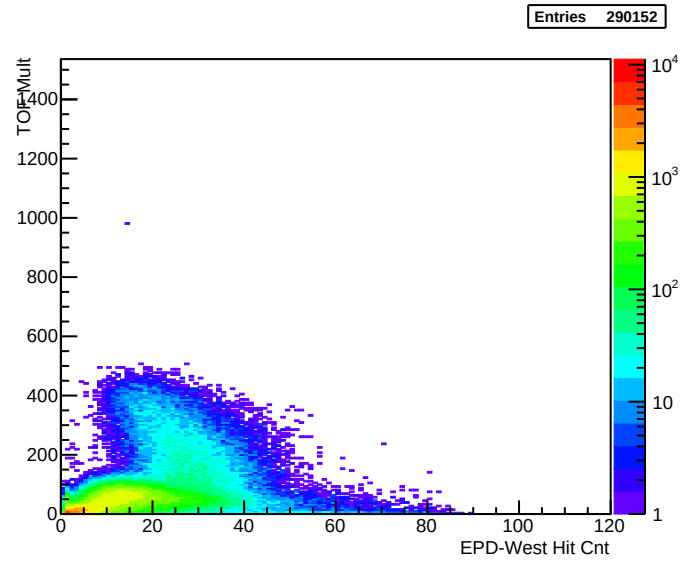

VT201 Input Ch4: VPD Adc Sum Th
Entries 580304
113637
175616
176515
114536
East
West

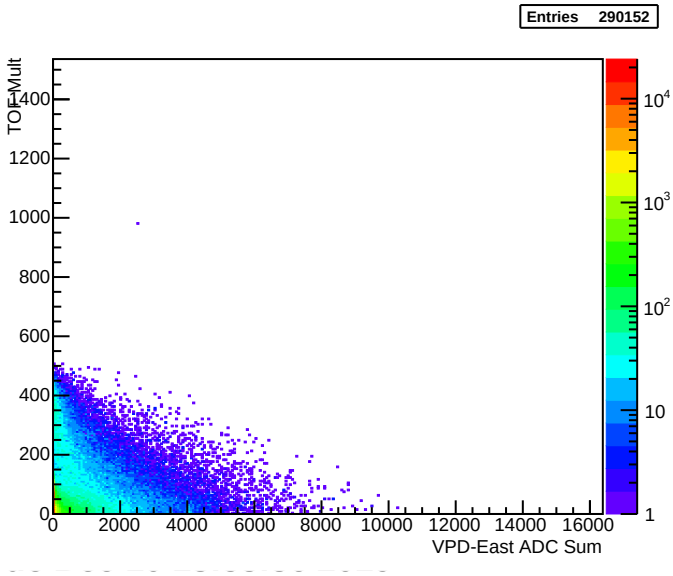

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

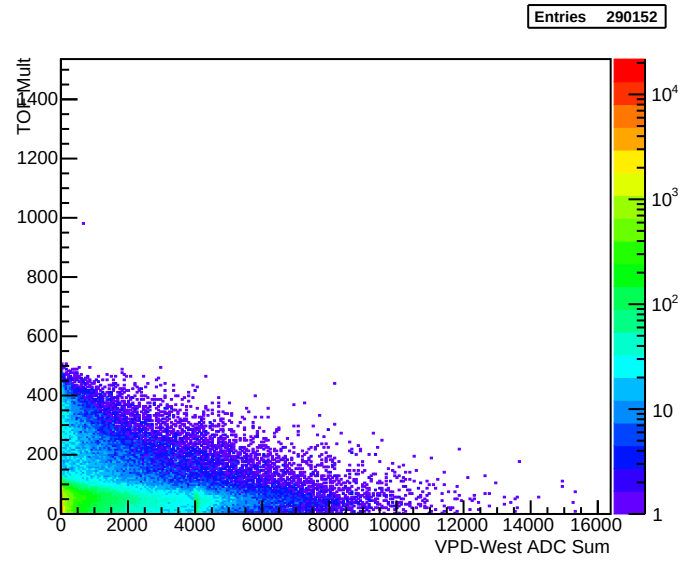

Entries 290152
TOF-Mult
BBC-S-East ADC Sum

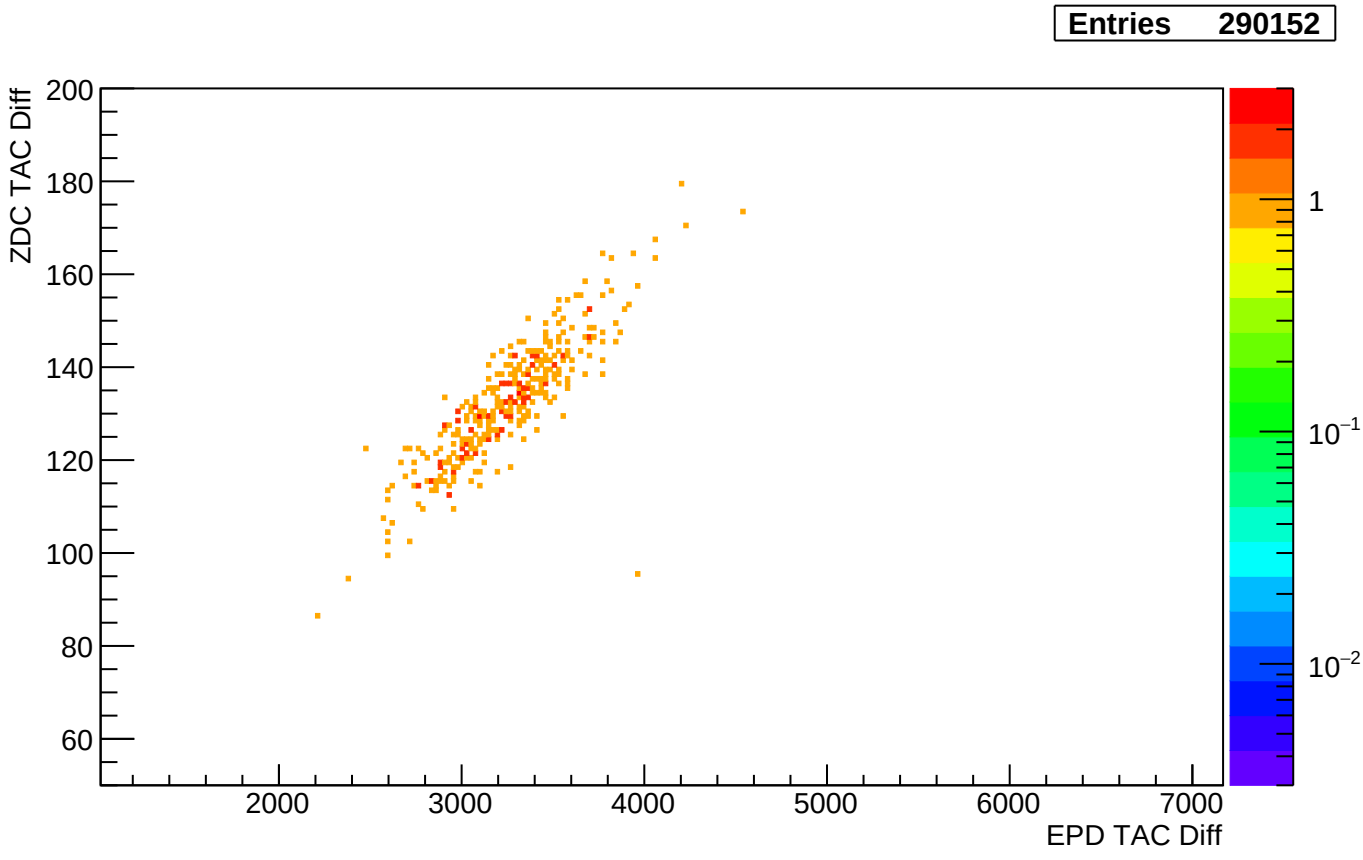

Entries 290152
TOF-Mult
BBC-S-West ADC Sum

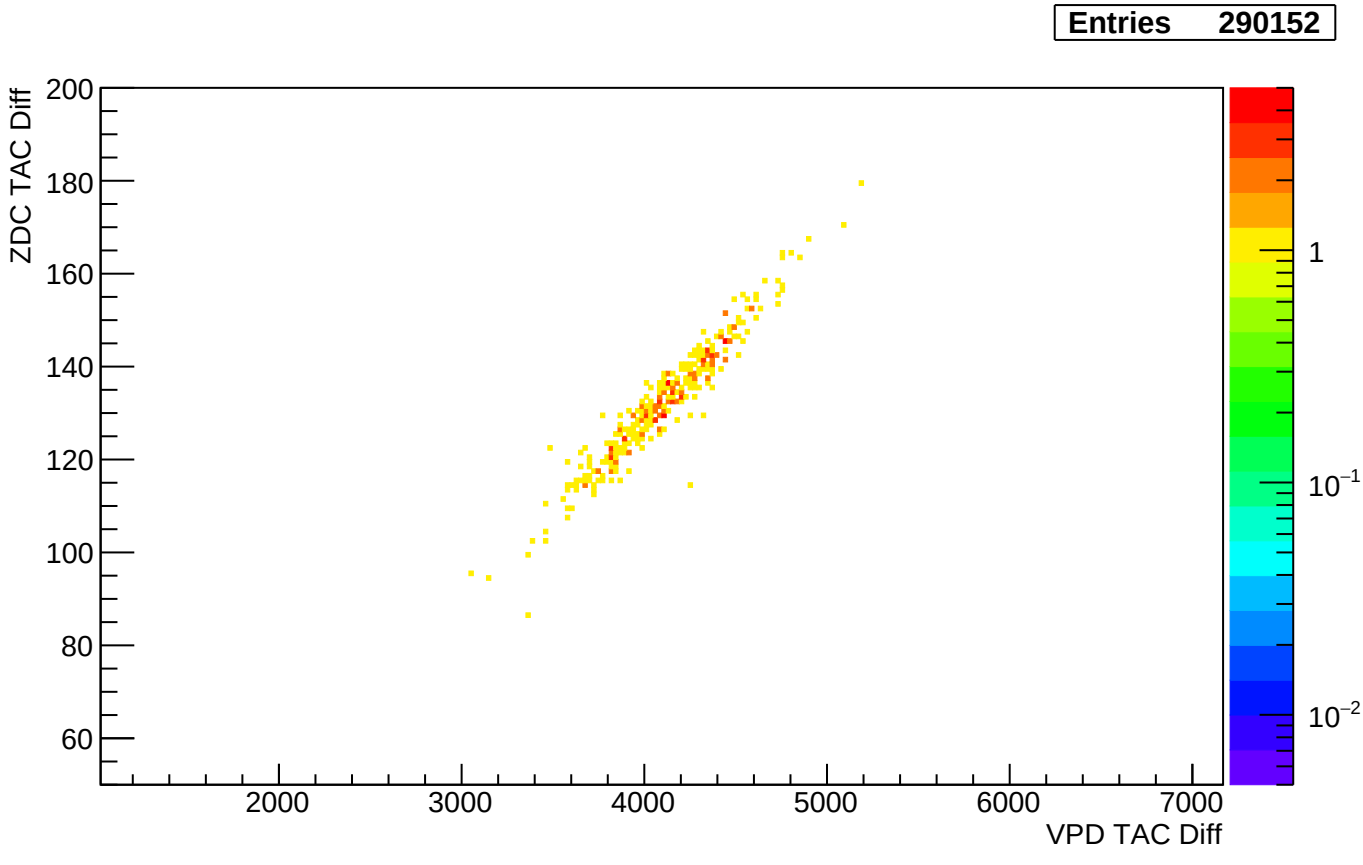

Entries 290152
TOF-Mult
EPD-East Hit Cnt

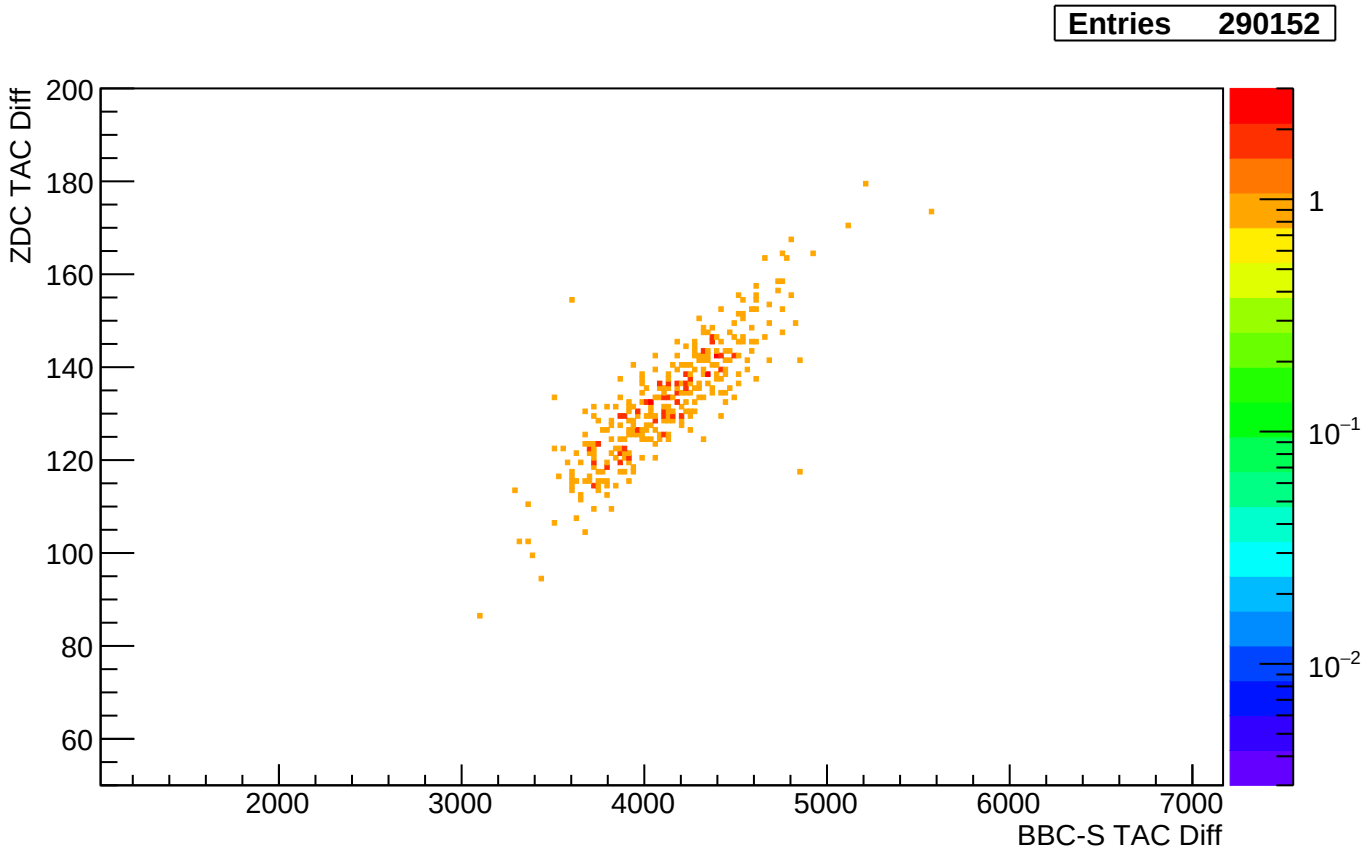

Entries 290152
TOF-Mult
EPD-West Hit Cnt

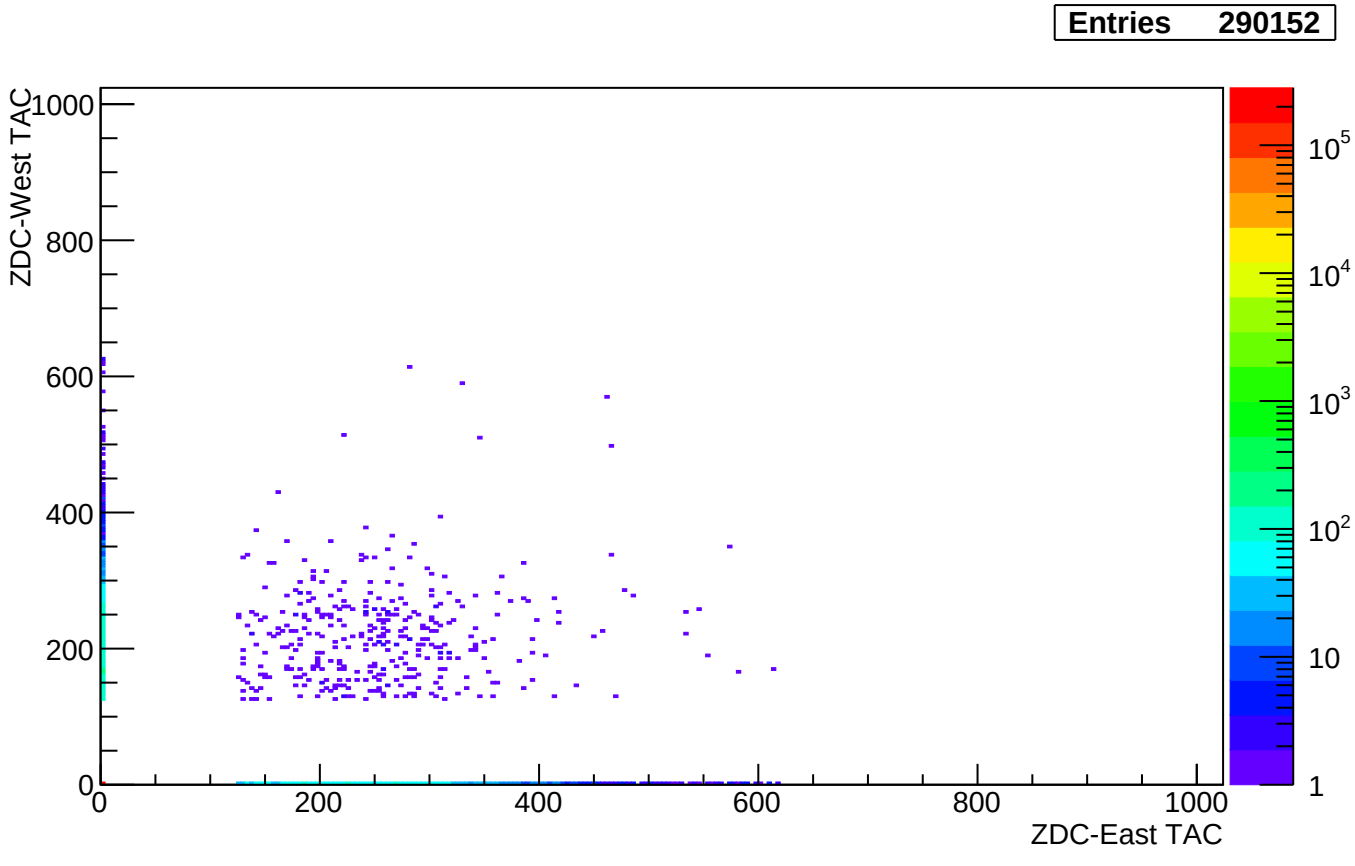

Entries 290152
TOF-Mult
VPD-East ADC Sum

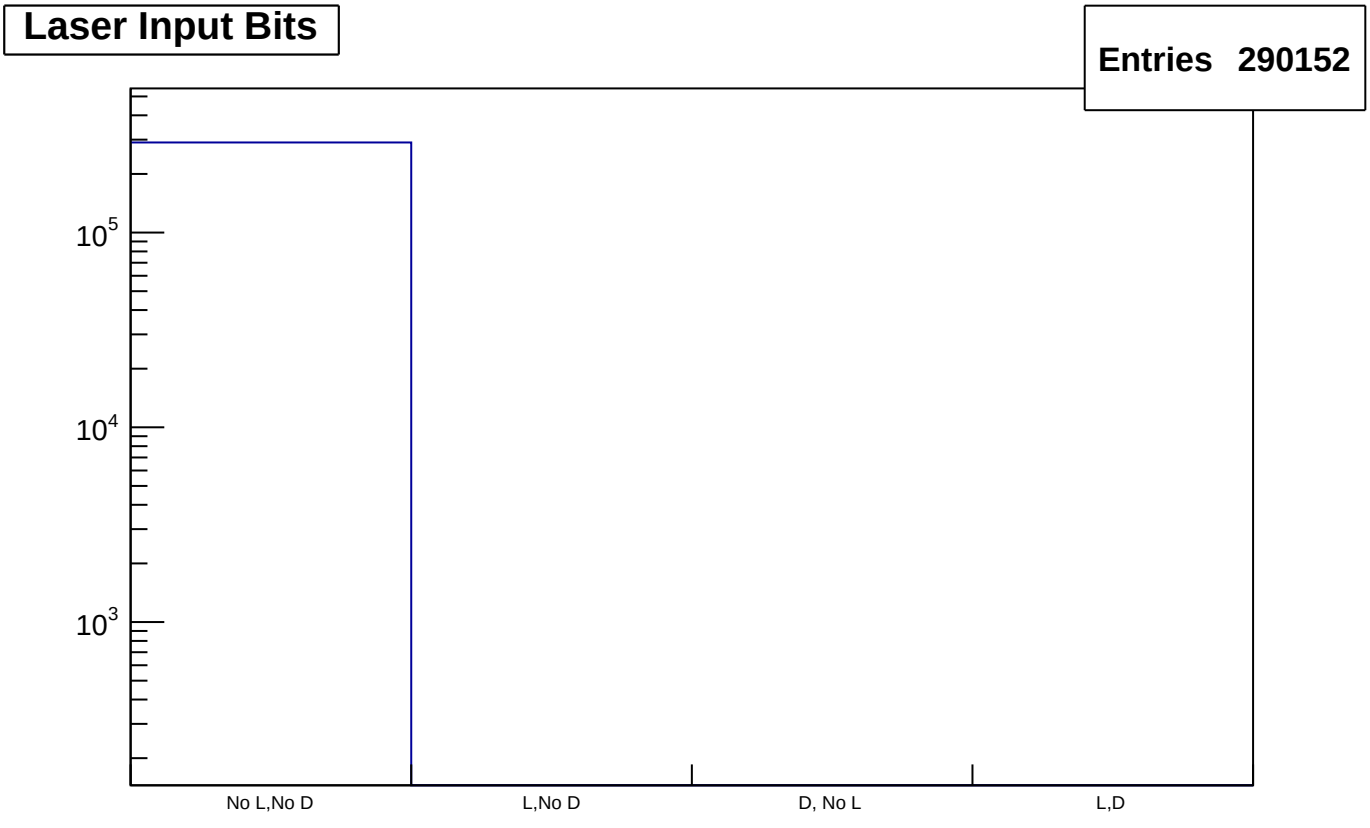

Entries 290152
TOF-Mult
VPD-West ADC Sum

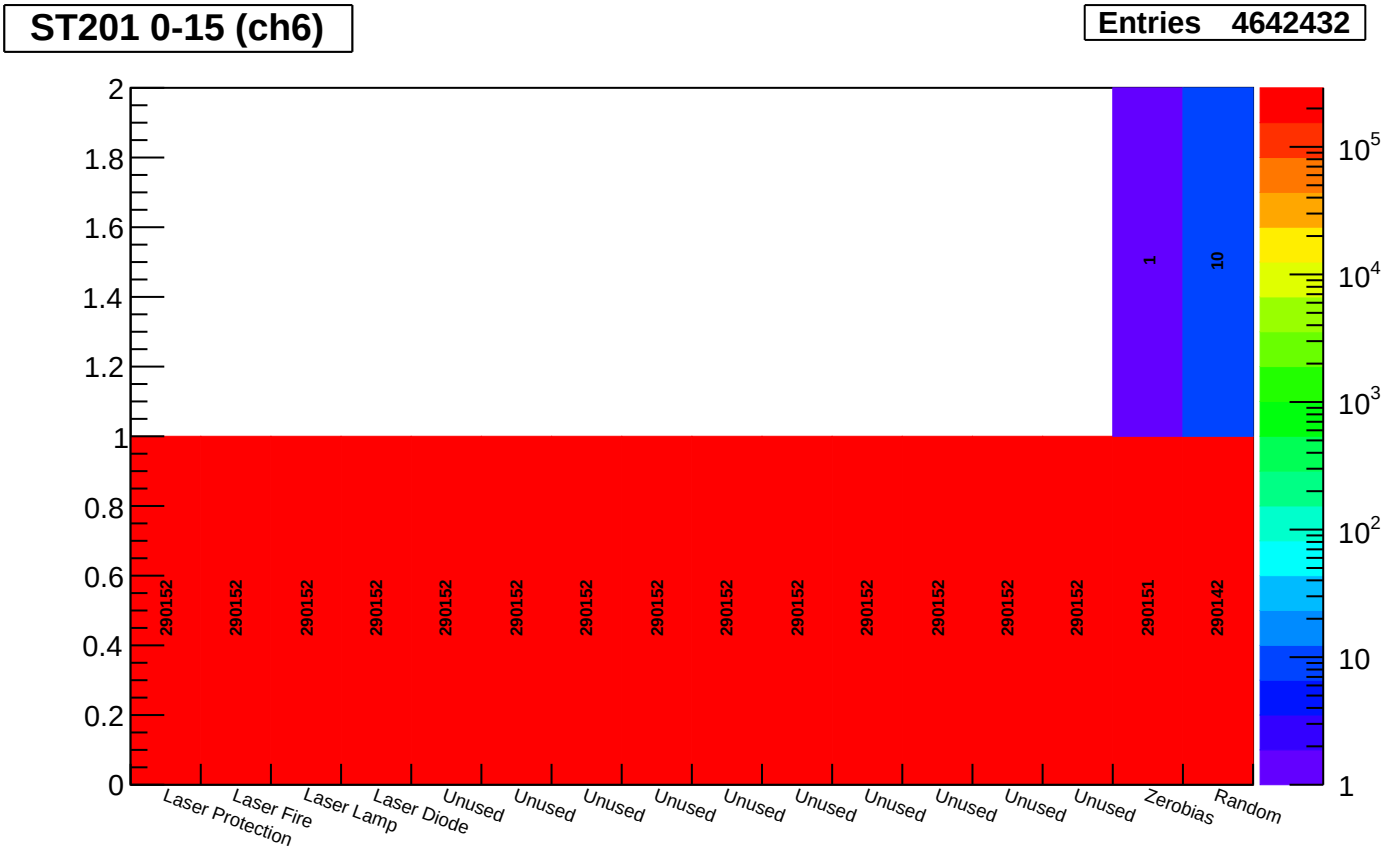

Entries 290152
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

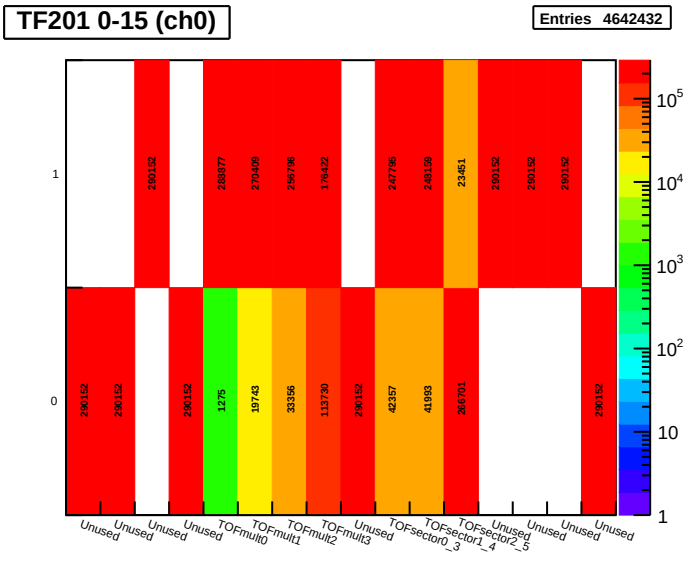

Entries 290152
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

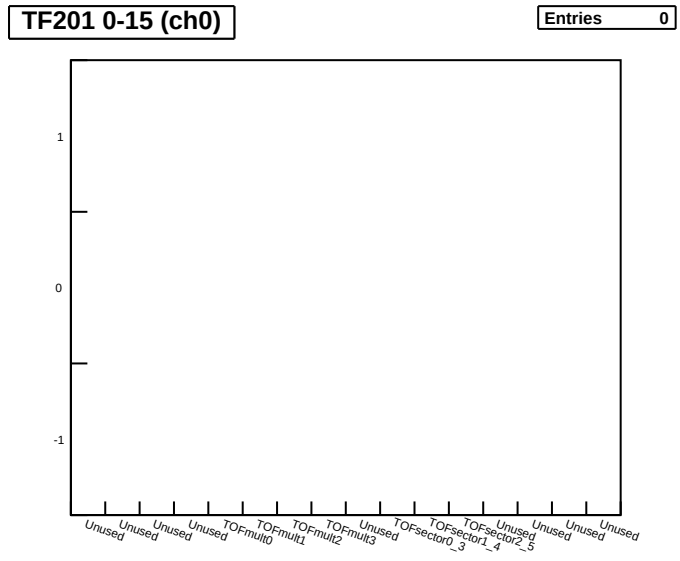

Entries 290152
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

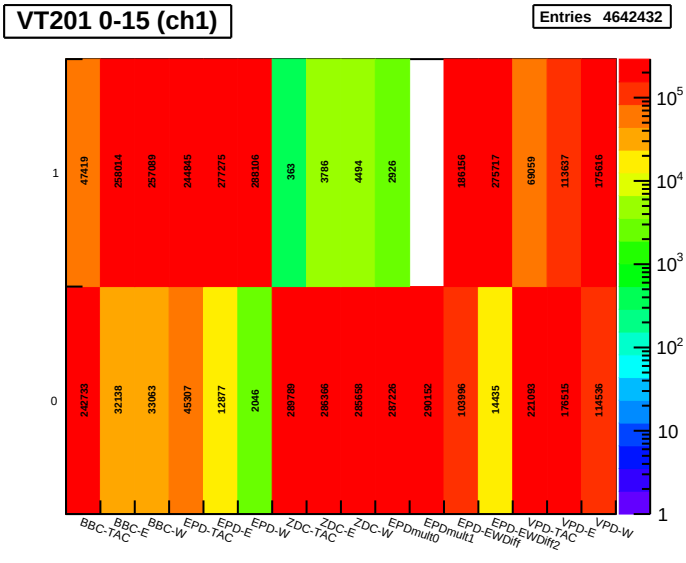

Entries 290152
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

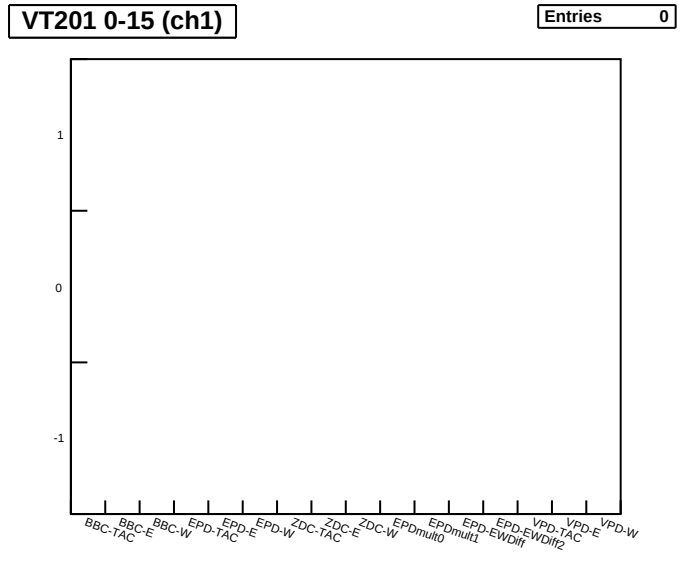

Laser Input Bits
Entries 290152
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

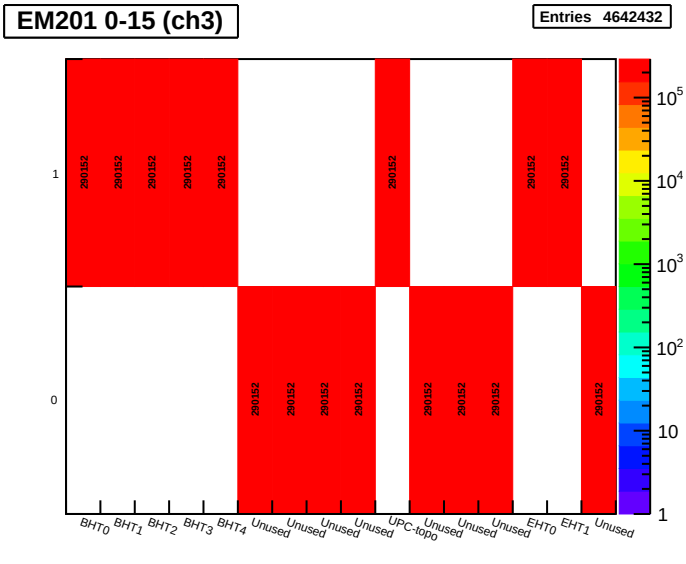

ST201 0-15 (ch6)
Entries 4642432
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
290152
290152
290152
290152
290152
290152
290152
290152
290152
290152
290152
290152
290152
290152
290151
290142
1
10
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

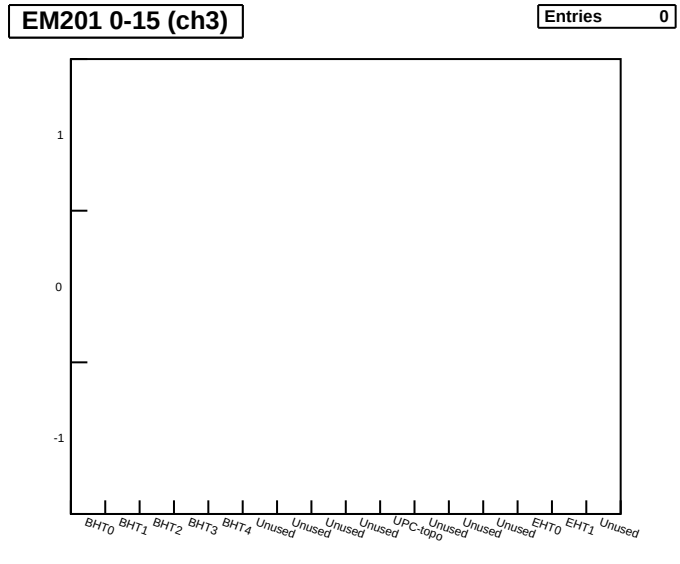

TF201 0-15 (ch0)
Entries 4642432
1
0
290152 290152 290152 290152 288877 270409 256796 176422 247795 248159 23451 290152 290152 290152
290152 290152 290152 1275 19743 33356 113730 290152 42357 41993 266701 290152
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 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


VT201 0-15 (ch1)
Entries 4642432
1
0
47419 258014 257089 244845 277275 288106 363 3786 4494 2926 186156 275717 69059 113637 175616
242733 32138 33063 45307 12877 2046 288789 288366 285658 287226 290152 103996 14435 221093 176515 114536
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 4642432
1
0
290152 290152 290152 290152 290152 290152 290152 290152 290152
290152 290152 290152 290152 290152 290152 290152 290152
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