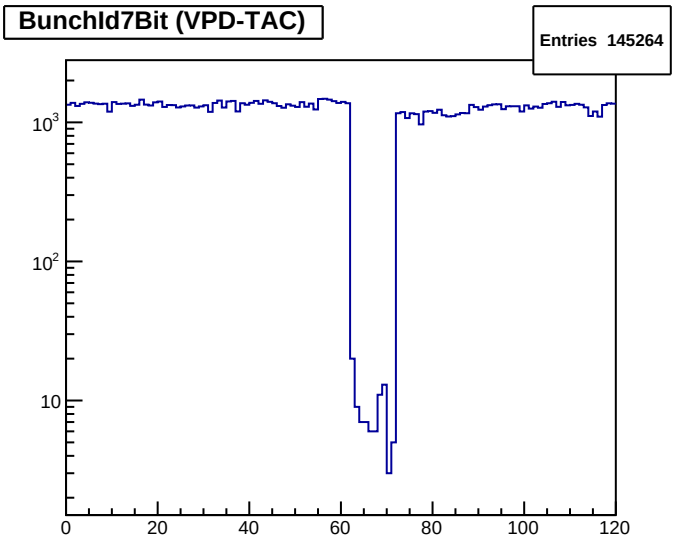
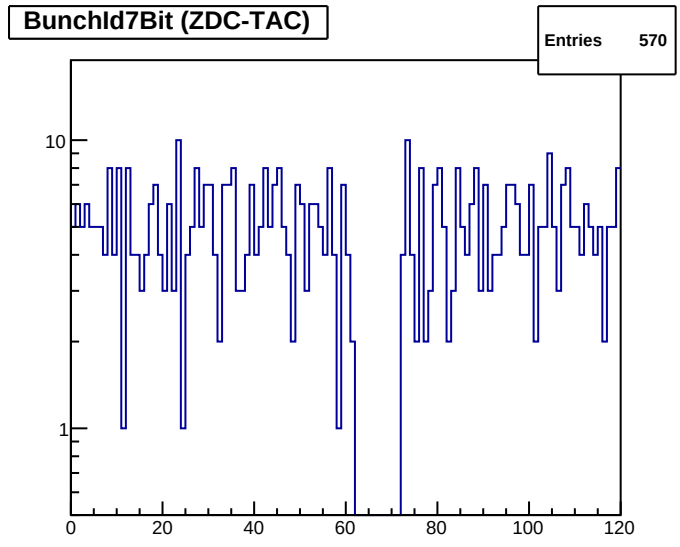
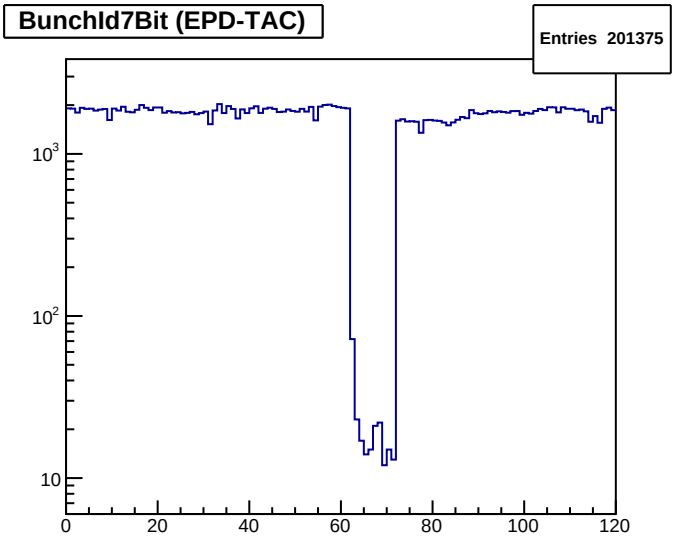
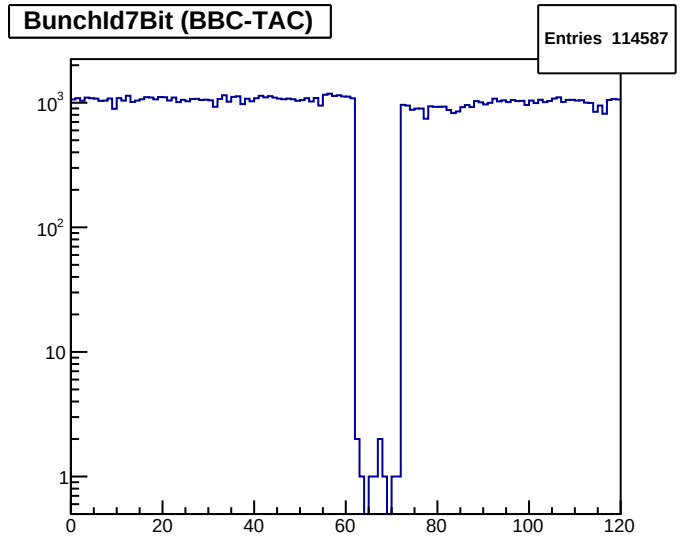
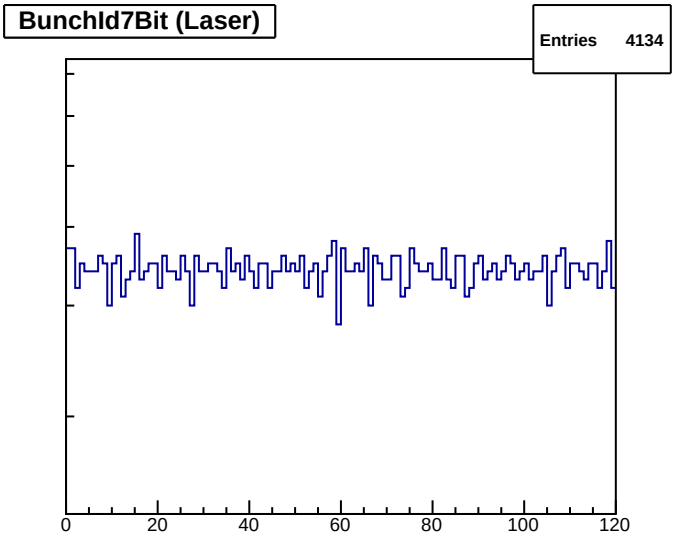
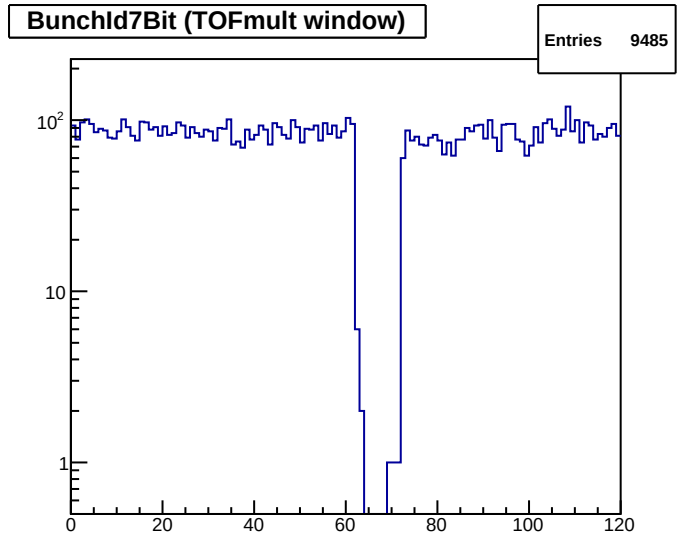

BunchId7Bit (VPD-TAC)
Entries 145264
10^3
10^2
10
0 20 40 60 80 100 120

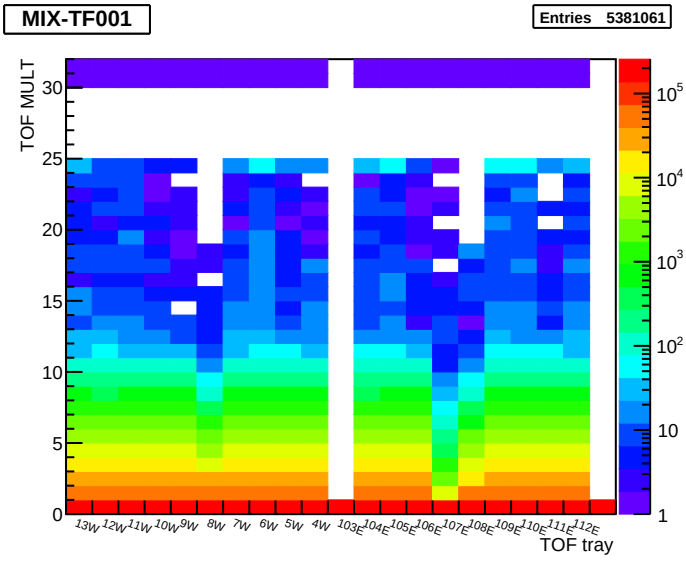

BunchId7Bit (ZDC-TAC)
Entries 570
10
1
0 20 40 60 80 100 120

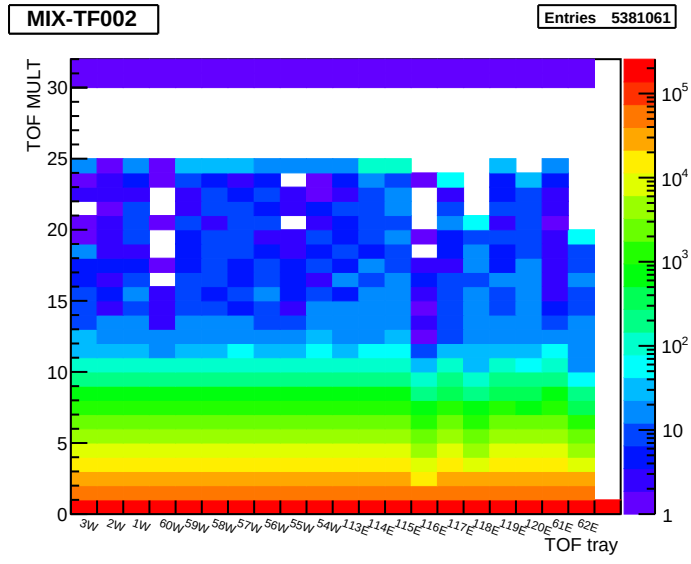

BunchId7Bit (EPD-TAC)
Entries 201375
10^3
10^2
10
0 20 40 60 80 100 120

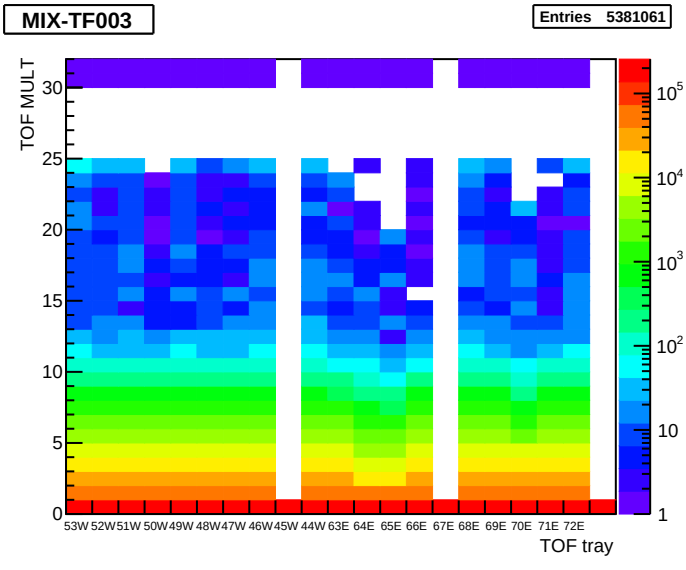

BunchId7Bit (BBC-TAC)
Entries 114587
10^3
10^2
10
1
0 20 40 60 80 100 120

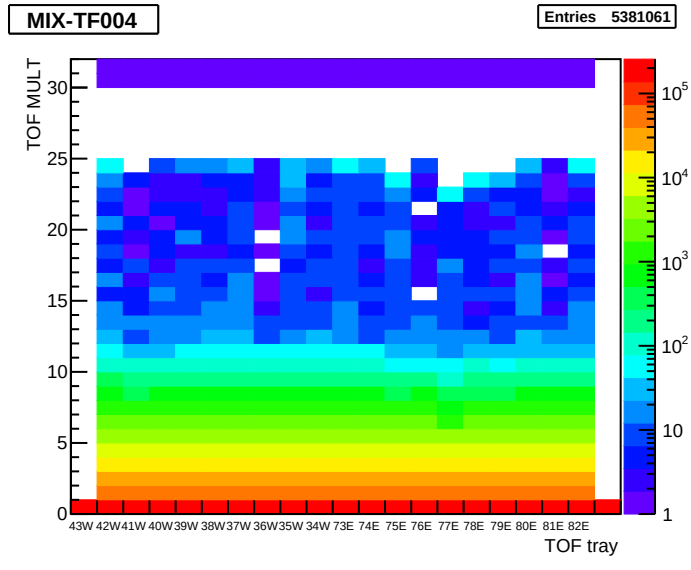

BunchId7Bit (Laser)
Entries 4134
0 20 40 60 80 100 120

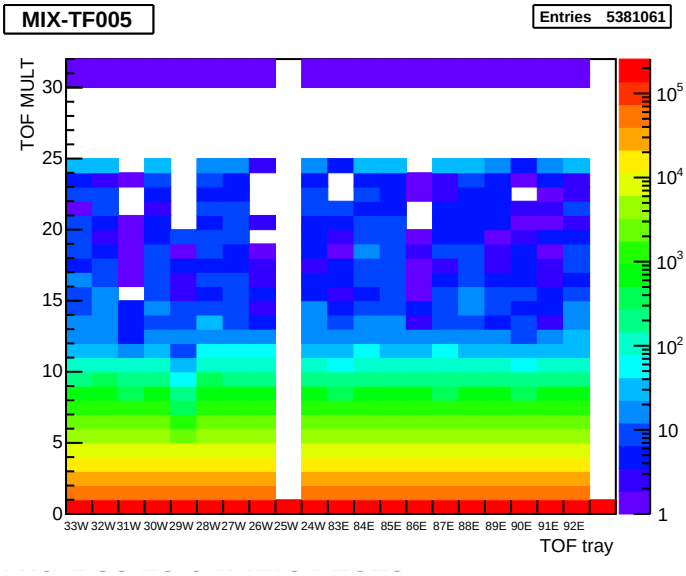

BunchId7Bit (TOFmult window)
Entries 9485
10^2
10
1
0 20 40 60 80 100 120

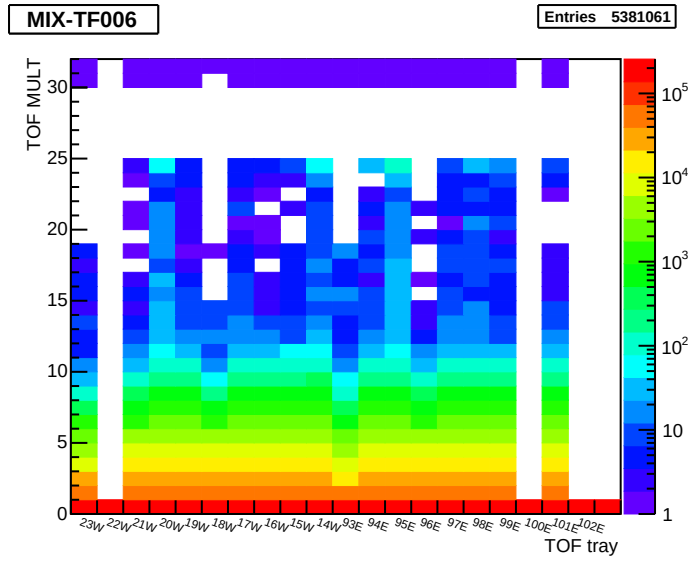

MIX-TF001
Entries 5381061
TOF MULT
TOF tray

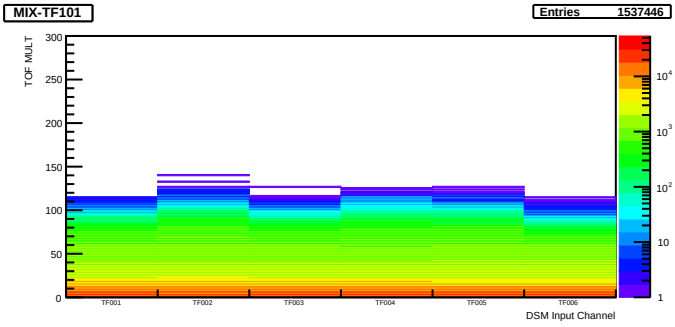

MIX-TF002
Entries 5381061
TOF MULT
TOF tray

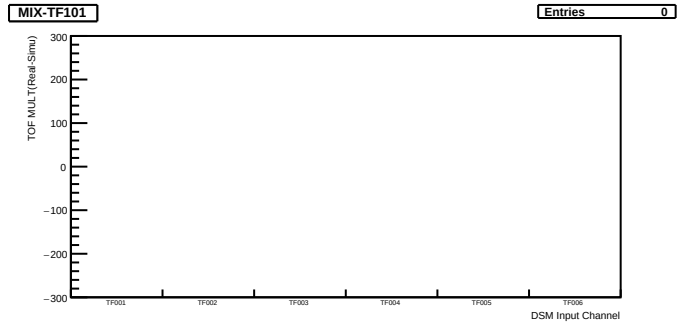

MIX-TF003
Entries 5381061
TOF MULT
TOF tray

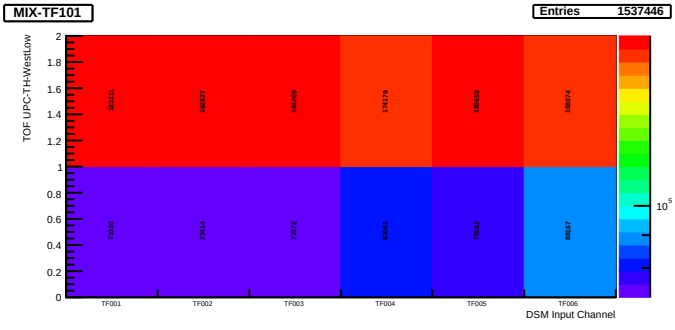

MIX-TF004
Entries 5381061
TOF MULT
TOF tray

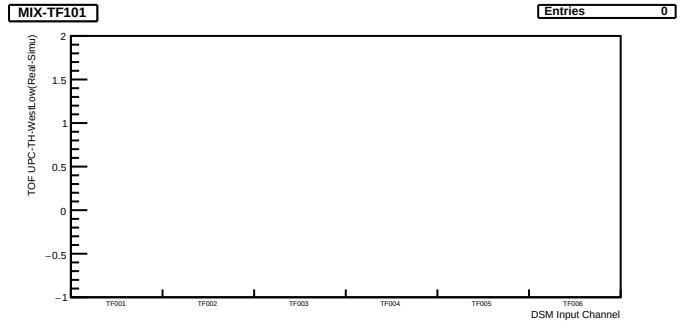

MIX-TF005
Entries 5381061
TOF MULT
TOF tray

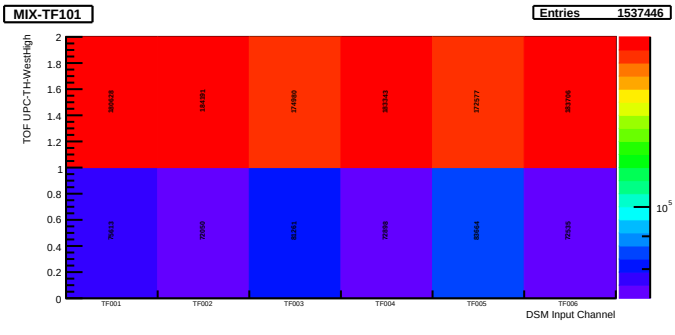

MIX-TF006
Entries 5381061
TOF MULT
TOF tray

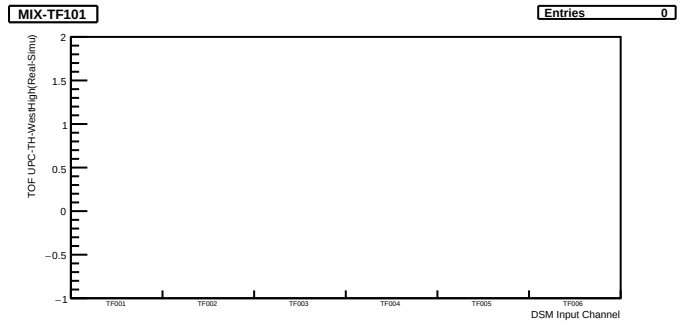

MIX-TF101
Entries 1537446
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

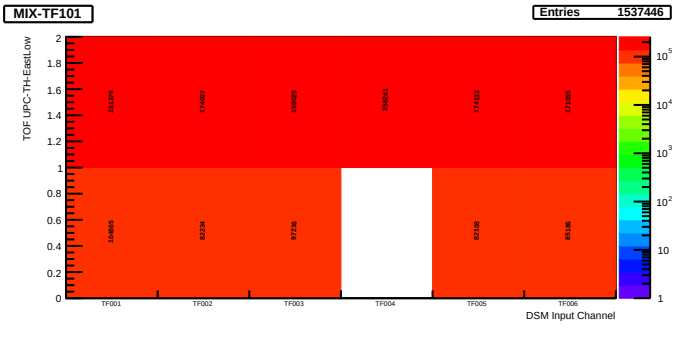

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

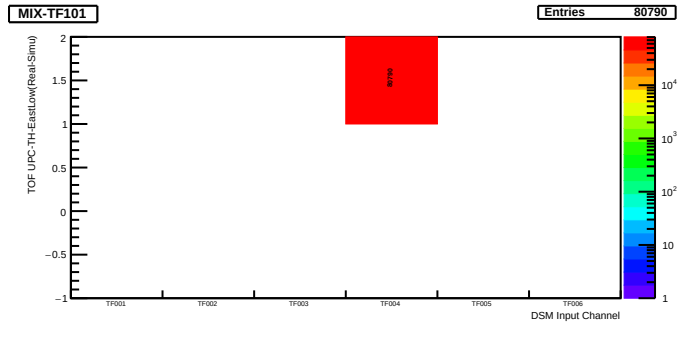

MIX-TF101
Entries 1537446
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

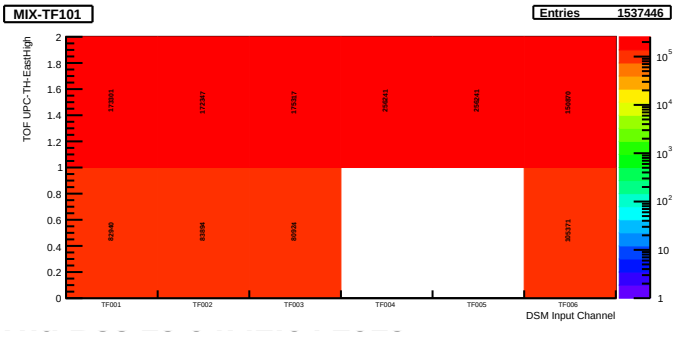

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

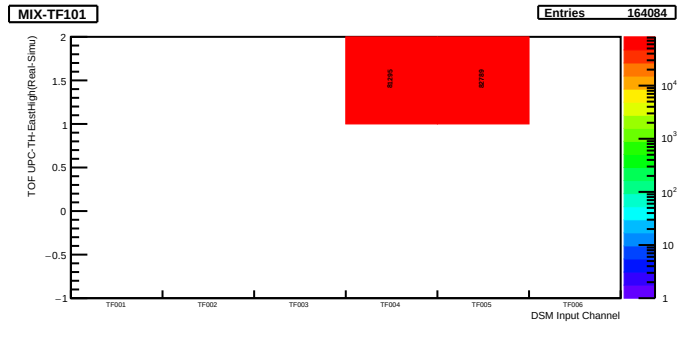

MIX-TF101
Entries 1537446
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

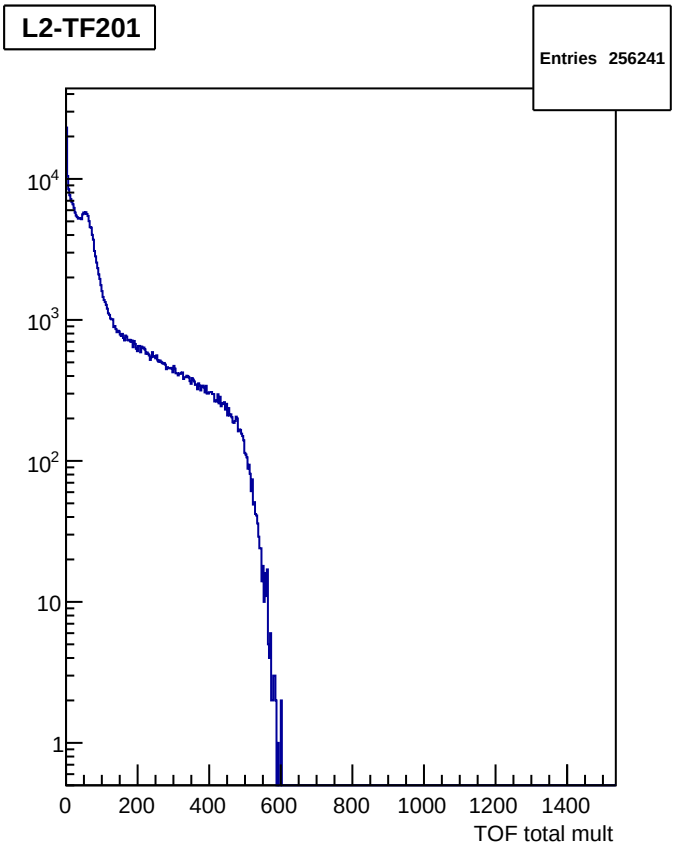

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

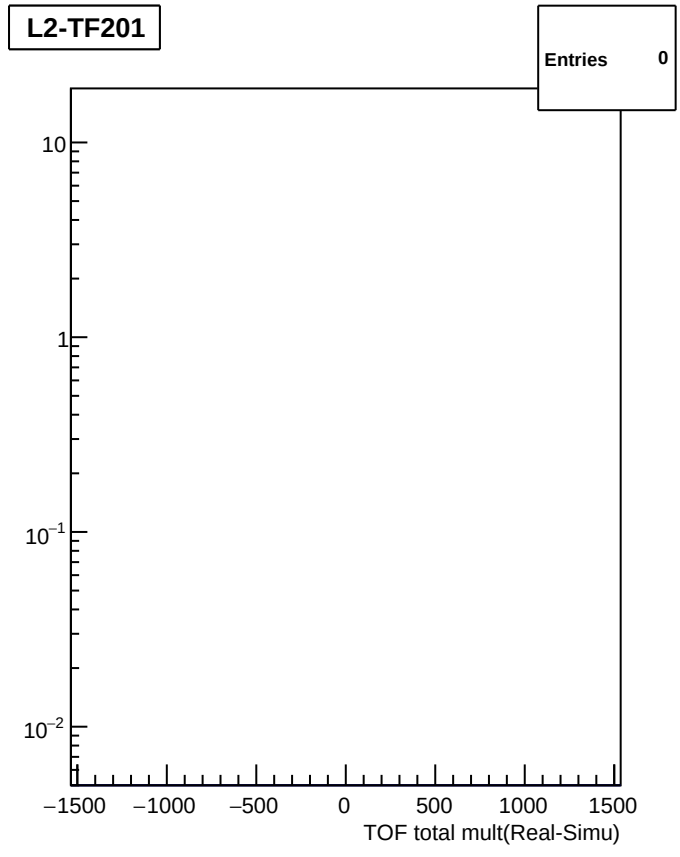

MIX-TF101
Entries 1537446
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

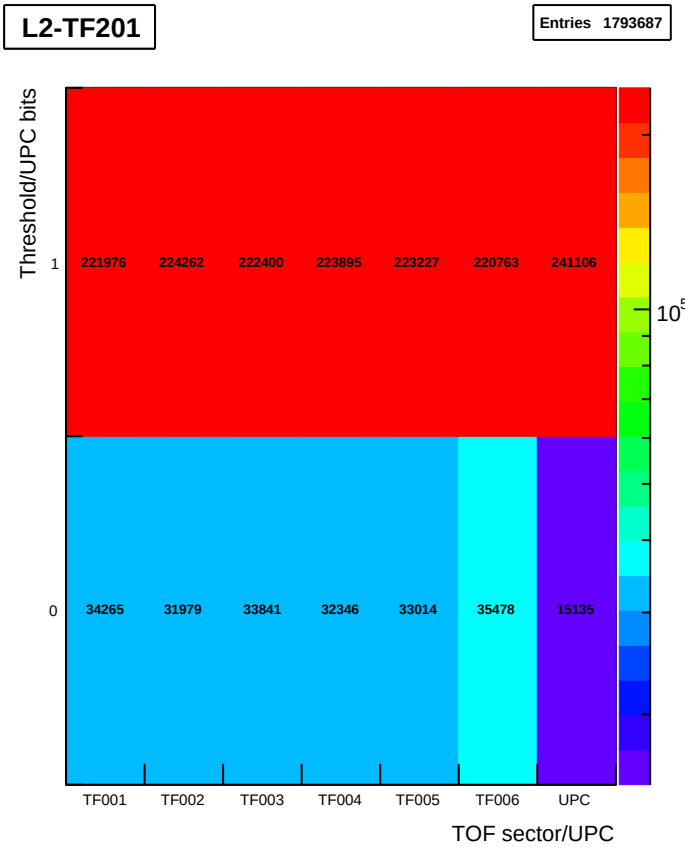

MIX-TF101
Entries 80790
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

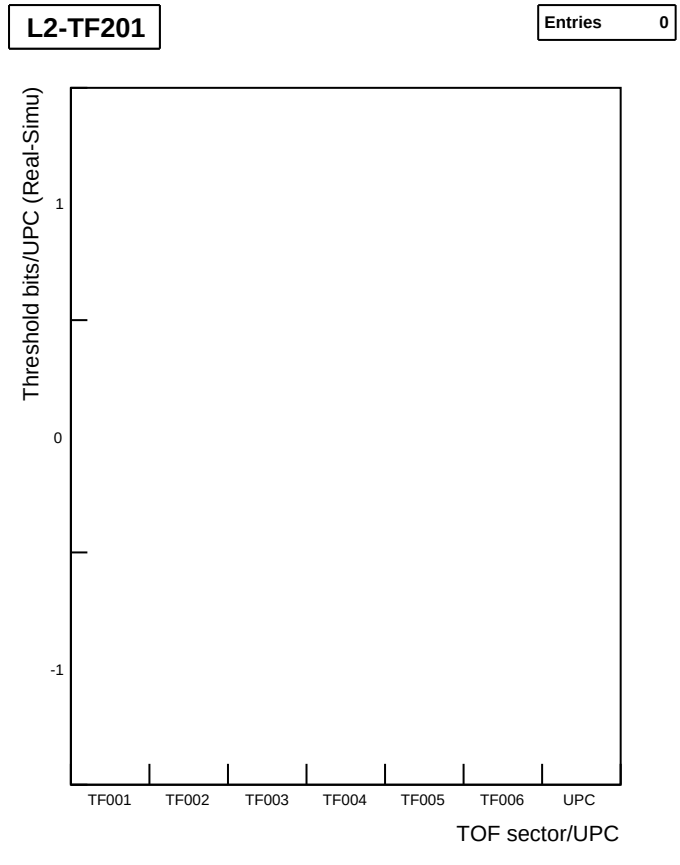

MIX-TF101
Entries 1537446
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

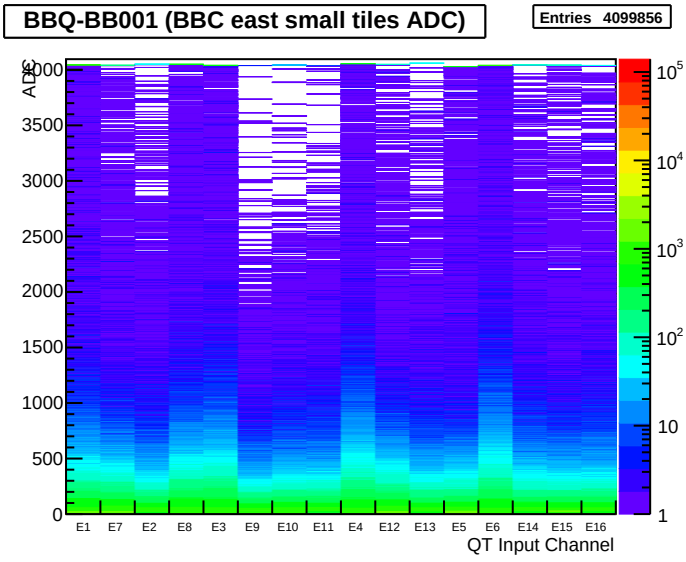

MIX-TF101
Entries 164084
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

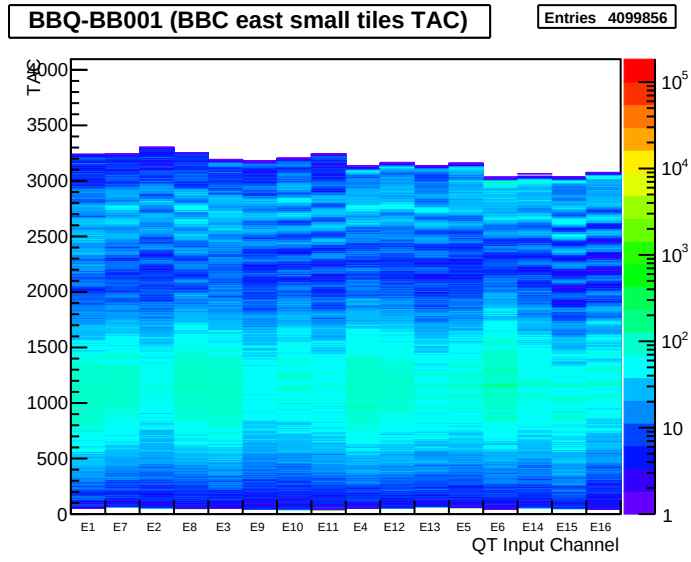

L2-TF201
Entries 256241
TOF total mult

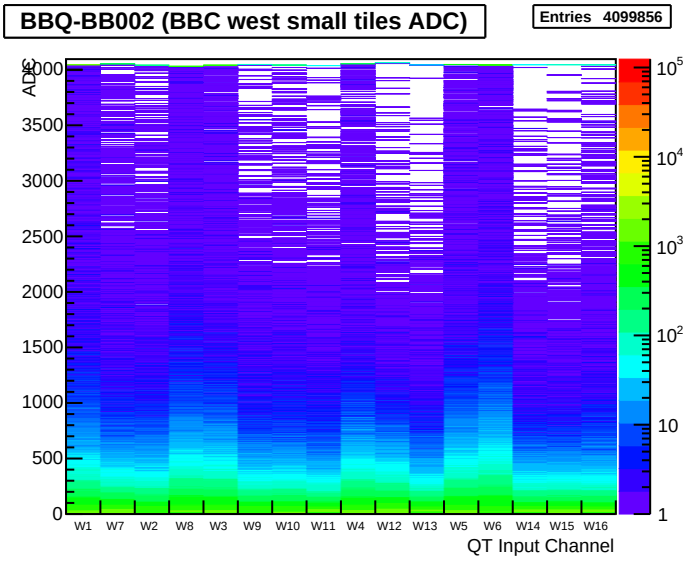

L2-TF201
Entries 0
TOF total mult(Real-Simu)

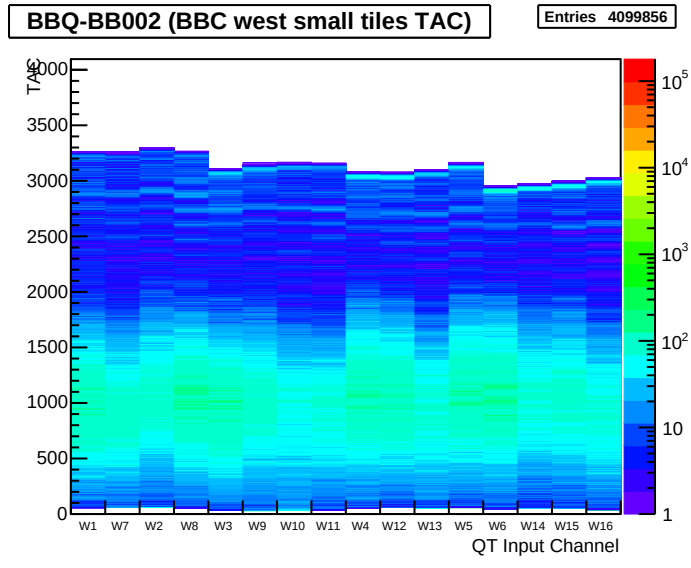

L2-TF201
Entries 1793687
Threshold/UPC bits
221976
224262
222400
223895
223227
220763
241106
34265
31979
33841
32346
33014
35478
15135
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

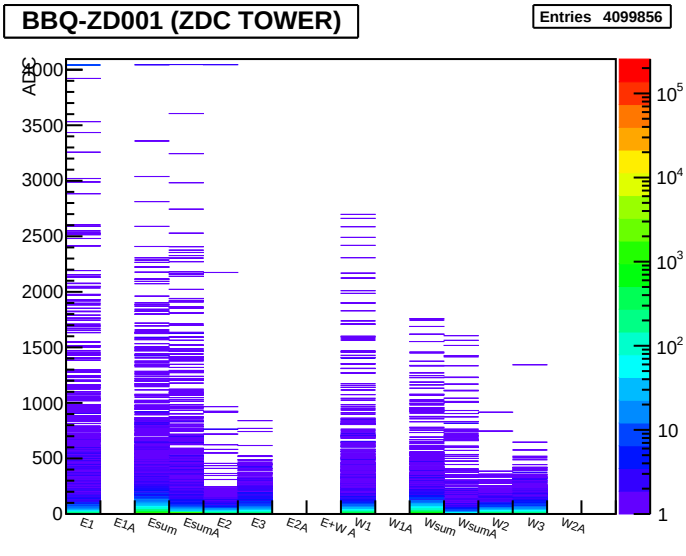

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

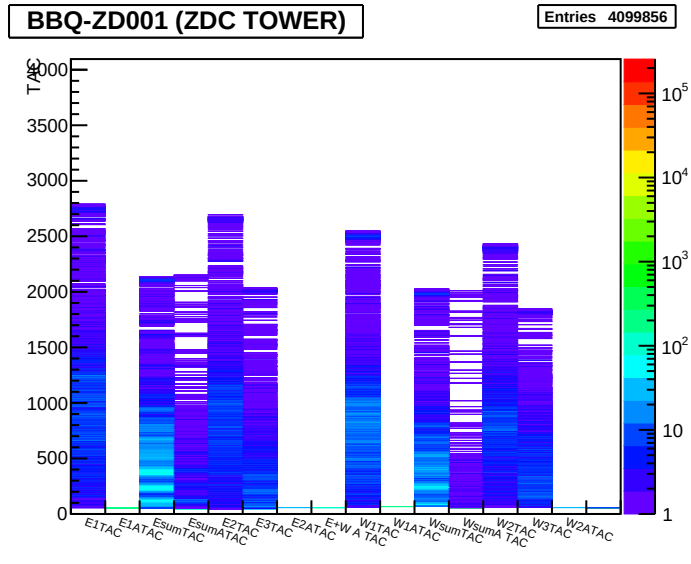

BBQ-BB001 (BBC east small tiles ADC)
Entries 4099856
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

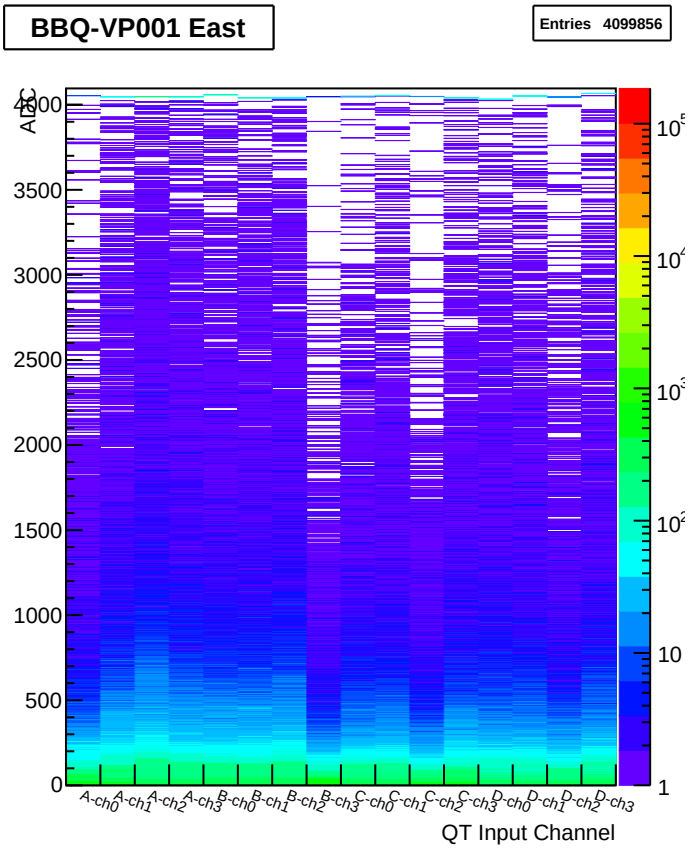

BBQ-BB001 (BBC east small tiles TAC)
Entries 4099856
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

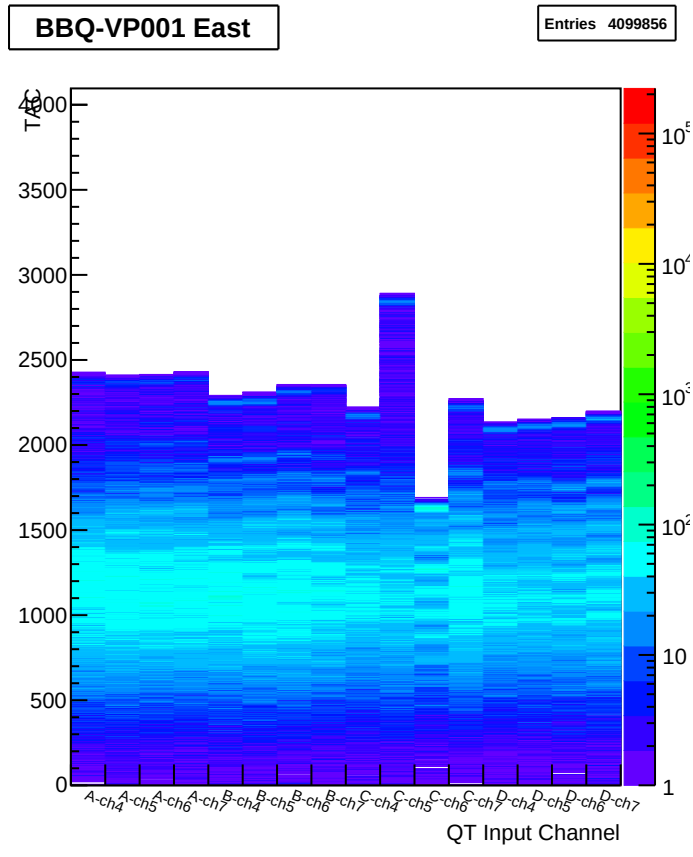

BBQ-BB002 (BBC west small tiles ADC)
Entries 4099856
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

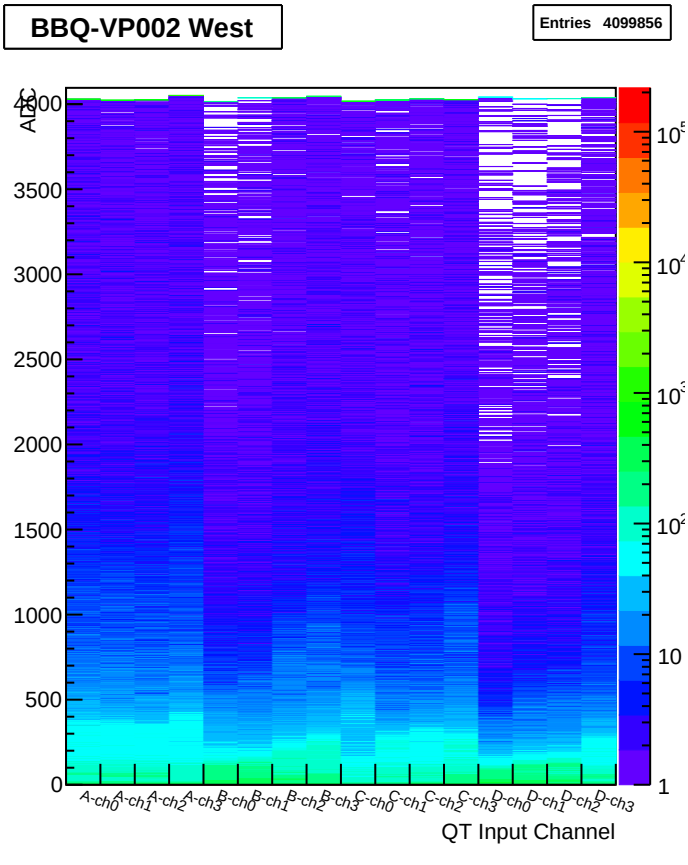

BBQ-BB002 (BBC west small tiles TAC)
Entries 4099856
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

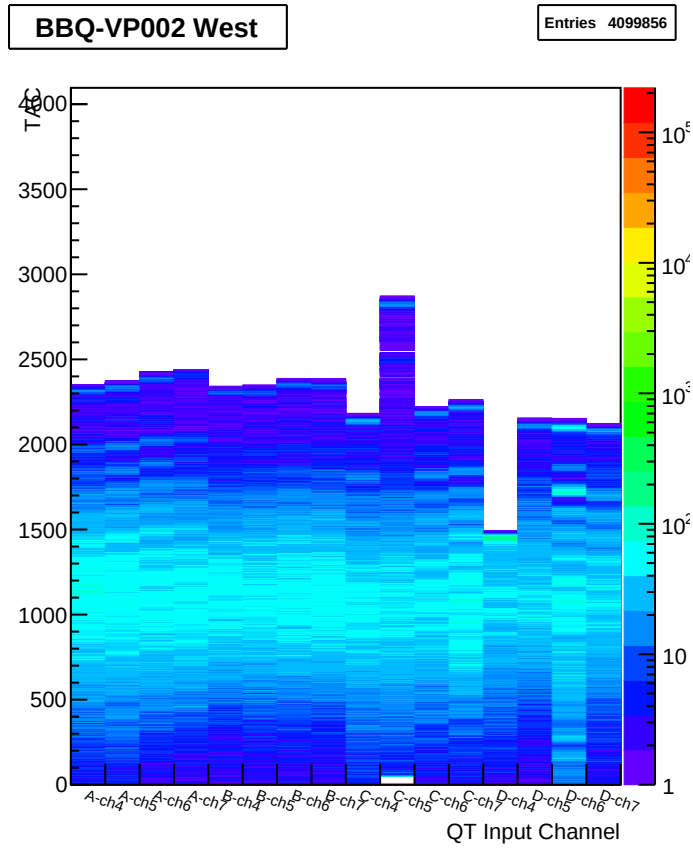

BBQ-ZD001 (ZDC TOWER)
Entries 4099856
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

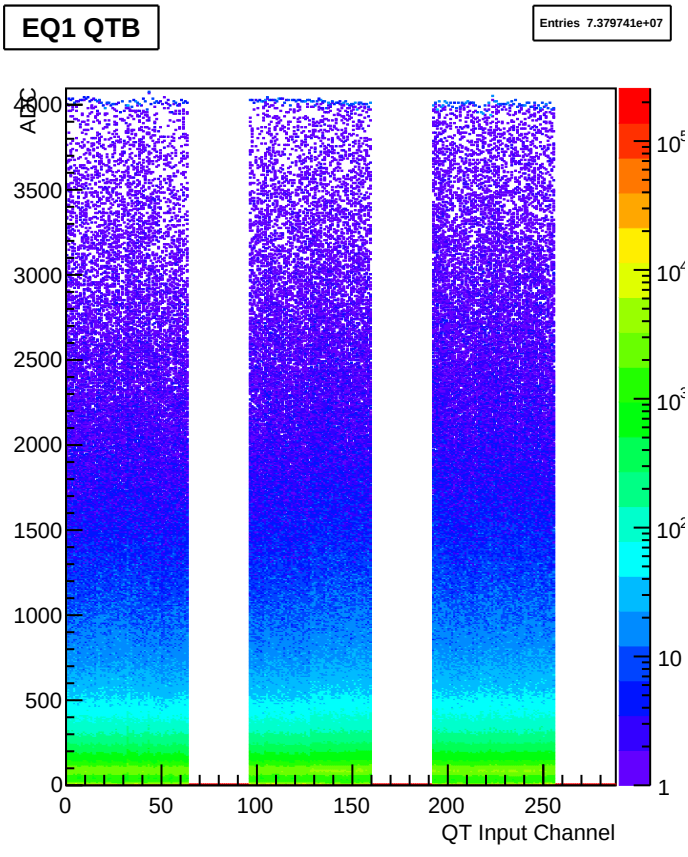

BBQ-ZD001 (ZDC TOWER)
Entries 4099856
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

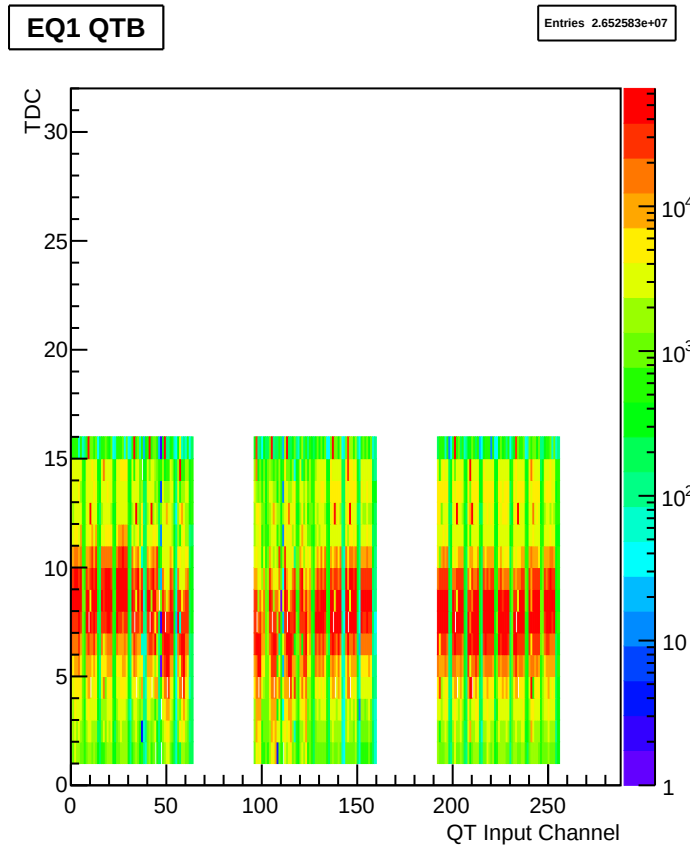

BBQ-VP001 East
Entries 4099856
ADC
QT Input Channel

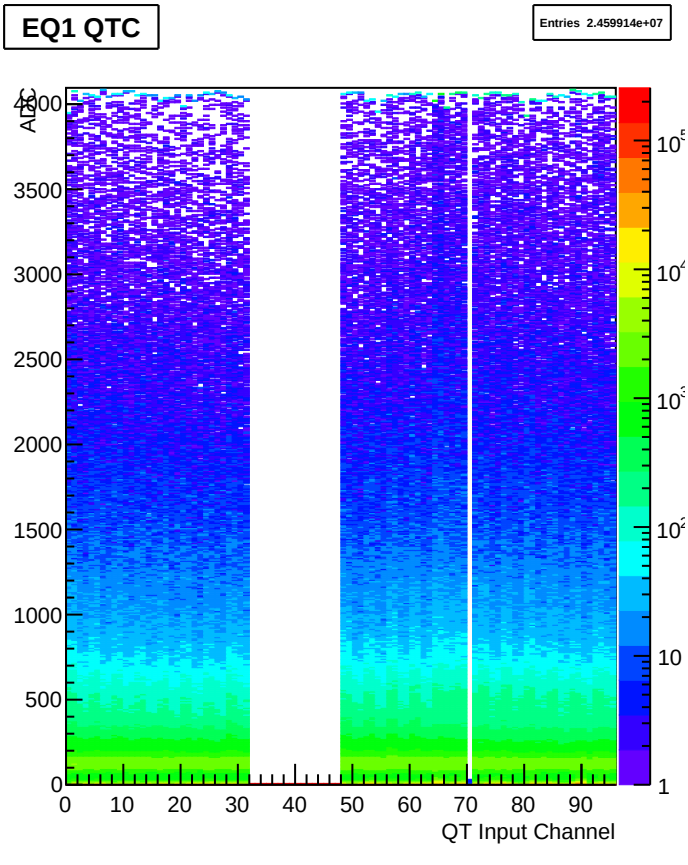

BBQ-VP001 East
Entries 4099856
TADC
QT Input Channel

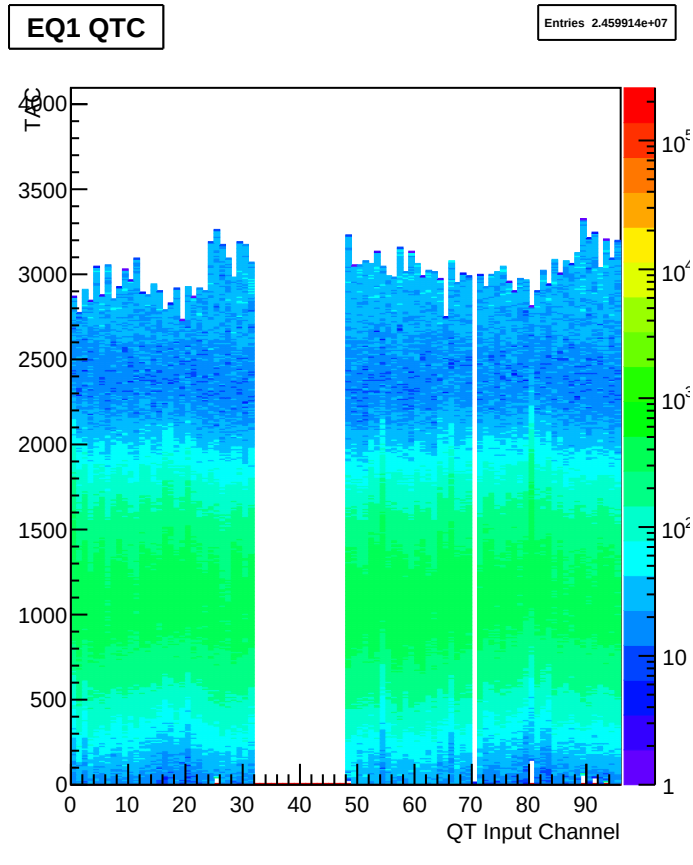

BBQ-VP002 West
Entries 4099856
ADC
QT Input Channel

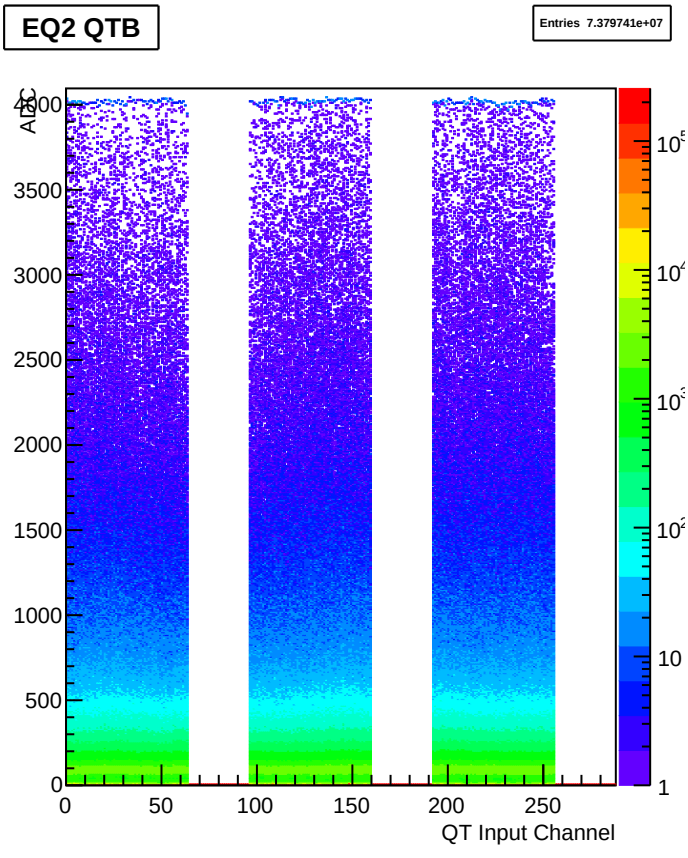

BBQ-VP002 West
Entries 4099856
TADC
QT Input Channel

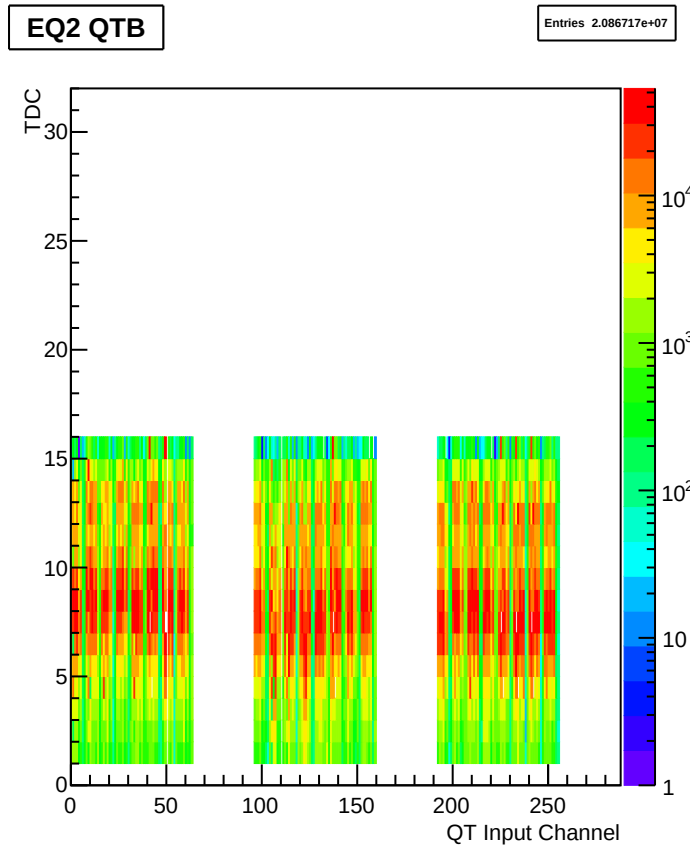

EQ1 QTB
Entries 7.379741e+07
ADC
QT Input Channel

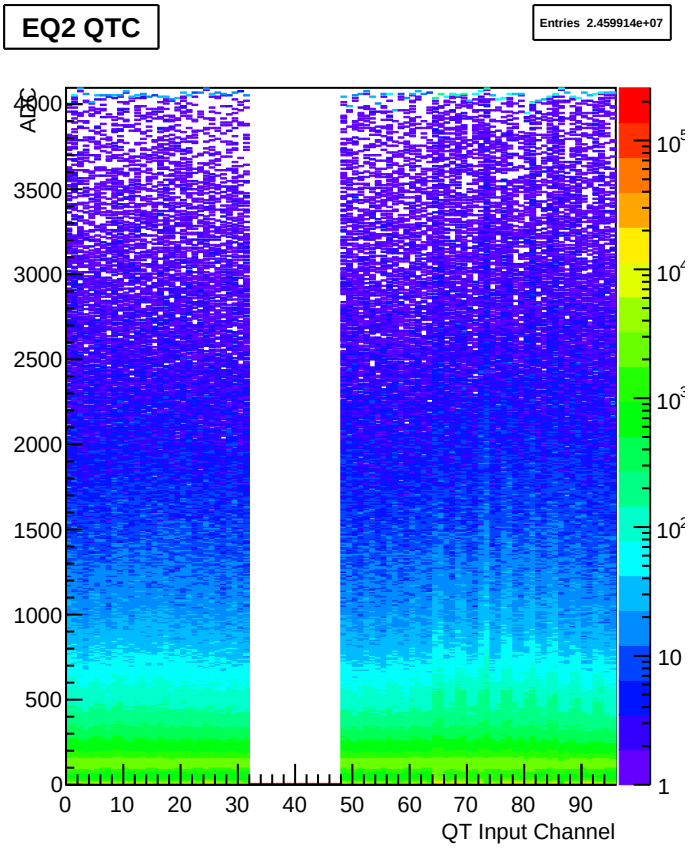

EQ1 QTB
Entries 2.652583e+07
TDC
QT Input Channel

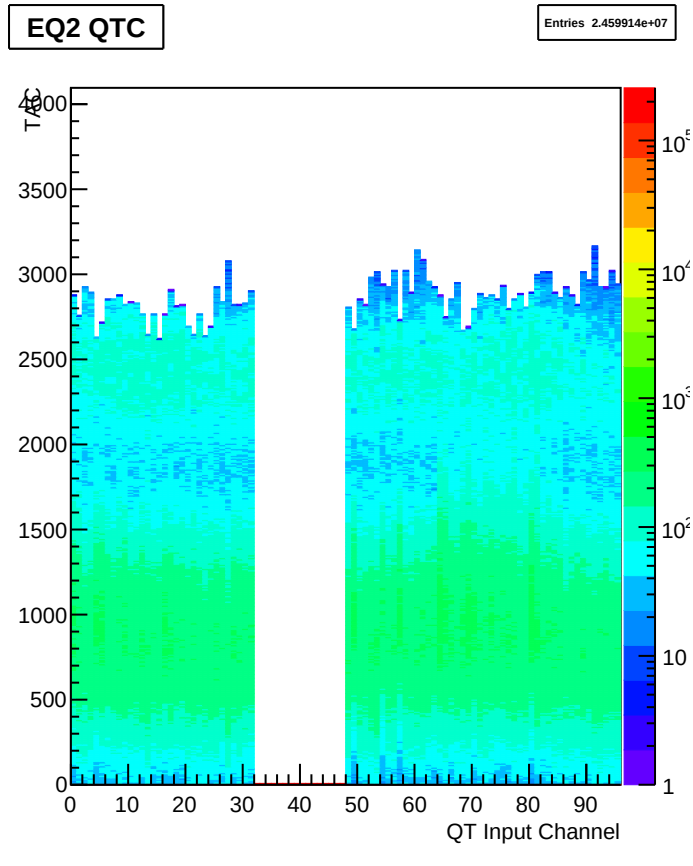

EQ1 QTC
Entries 2.459914e+07
ADC
QT Input Channel

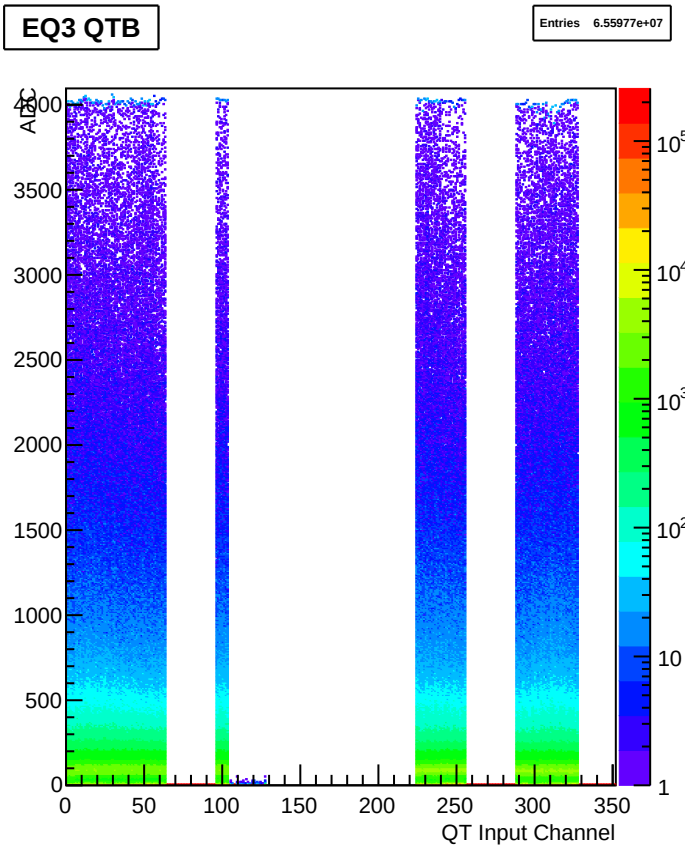

EQ1 QTC
Entries 2.459914e+07
TADC
QT Input Channel

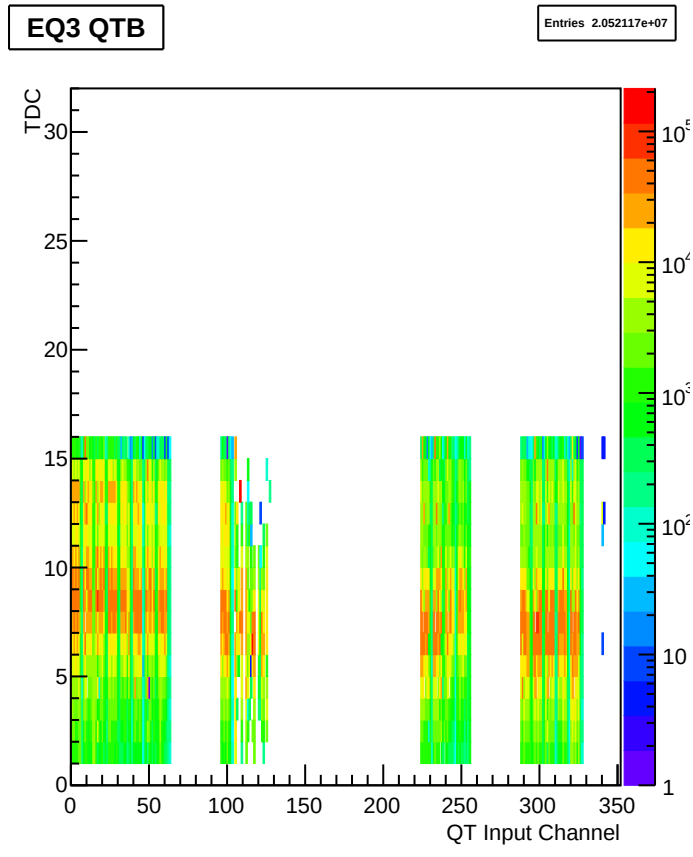

EQ2 QTB
Entries 7.379741e+07
ADC
QT Input Channel

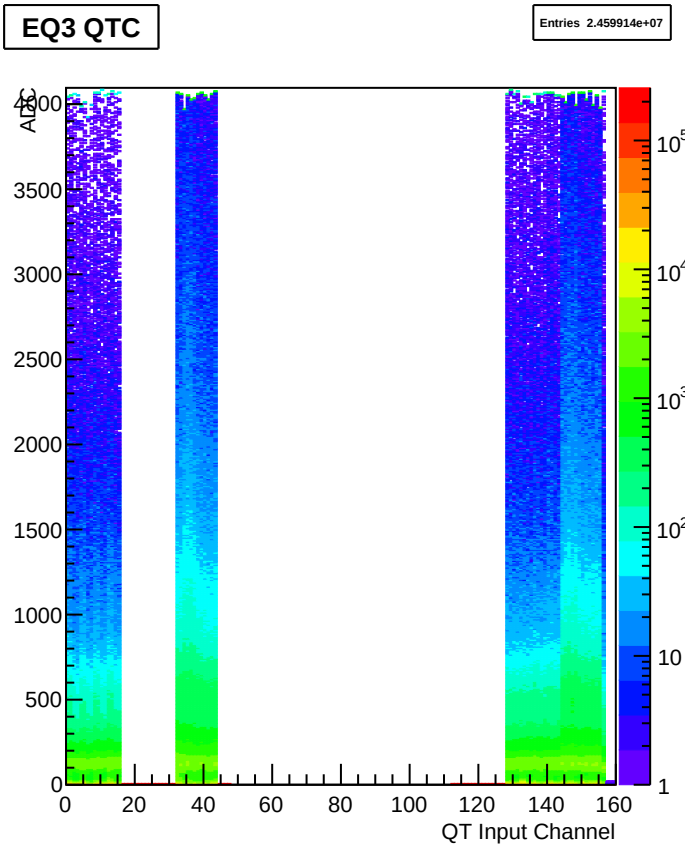

EQ2 QTB
Entries 2.086717e+07
TDC
QT Input Channel

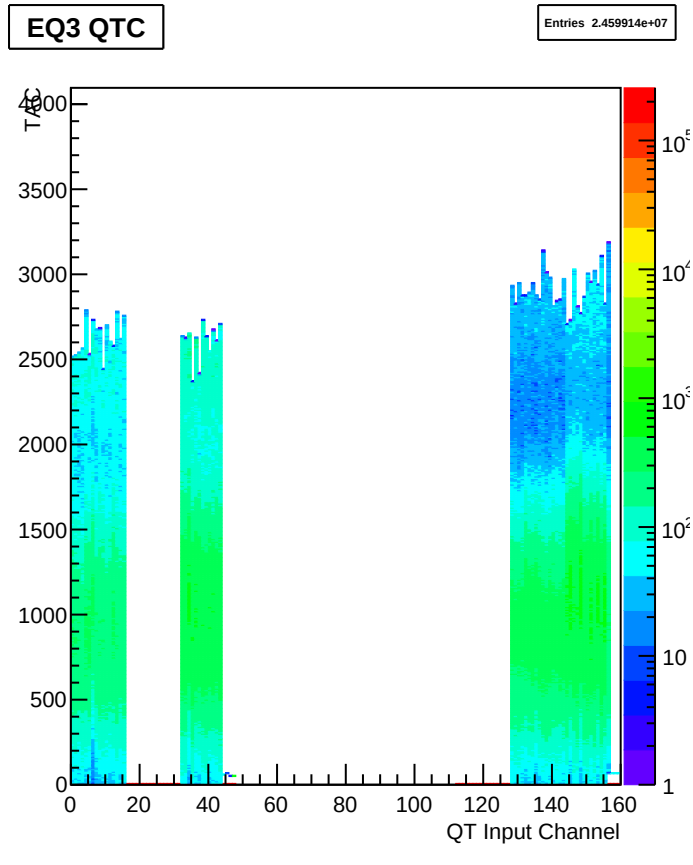

EQ2 QTC
Entries 2.459914e+07
ADC
QT Input Channel

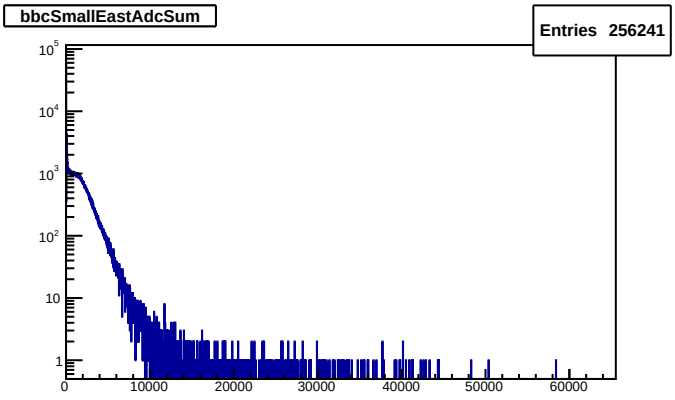

EQ2 QTC
Entries 2.459914e+07
TADC
QT Input Channel

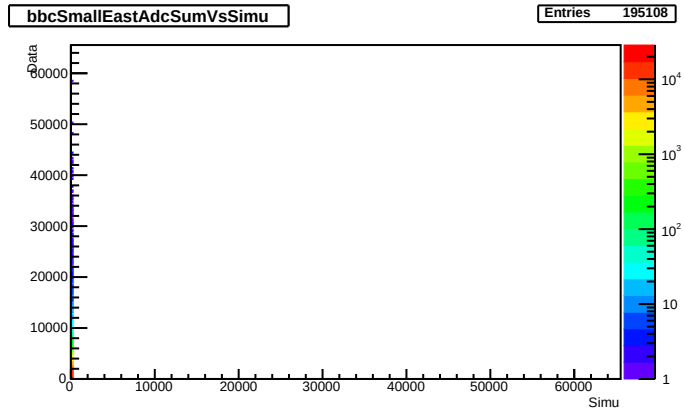

EQ3 QTB
Entries 6.55977e+07
ADC
QT Input Channel

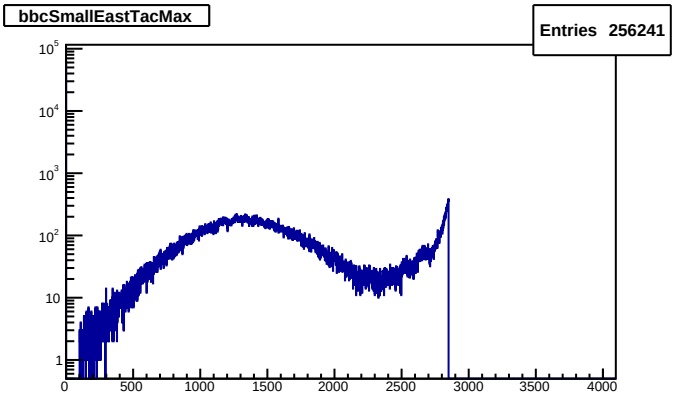

EQ3 QTB
Entries 2.052117e+07
TDC
QT Input Channel

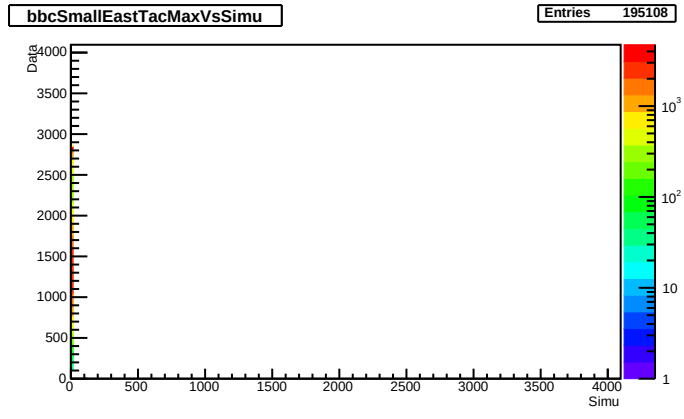

EQ3 QTC
Entries 2.459914e+07
ADC
QT Input Channel

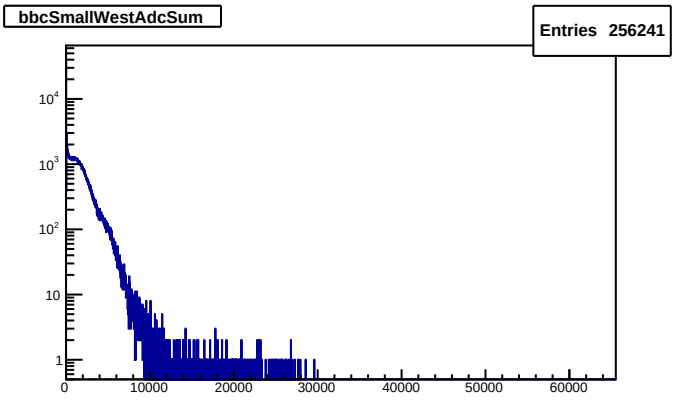

EQ3 QTC
Entries 2.459914e+07
TADC
QT Input Channel

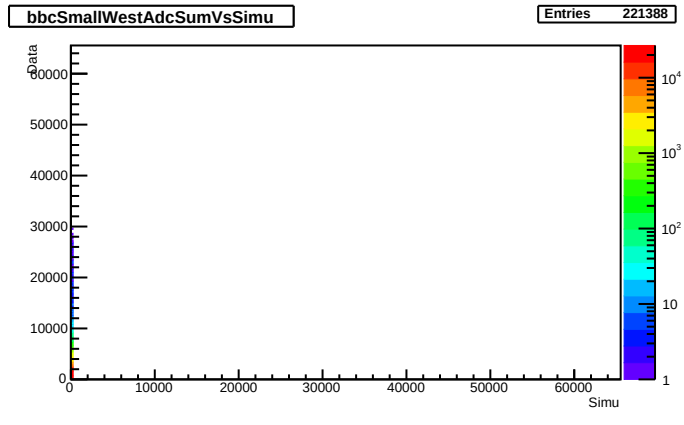

bbcSmallEastAdcSum
Entries 256241

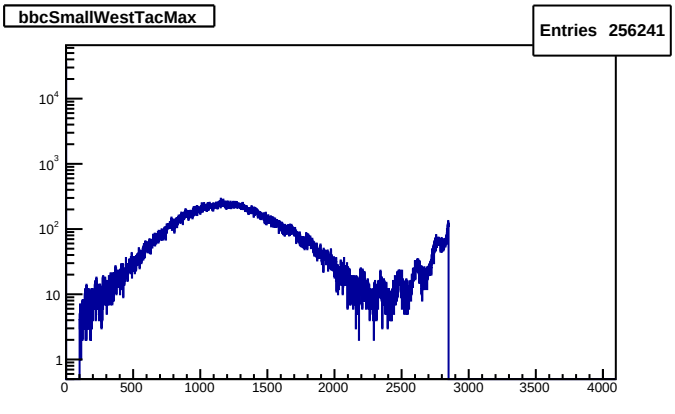

bbcSmallEastAdcSumVsSimu
Entries 195108
Data
Simu

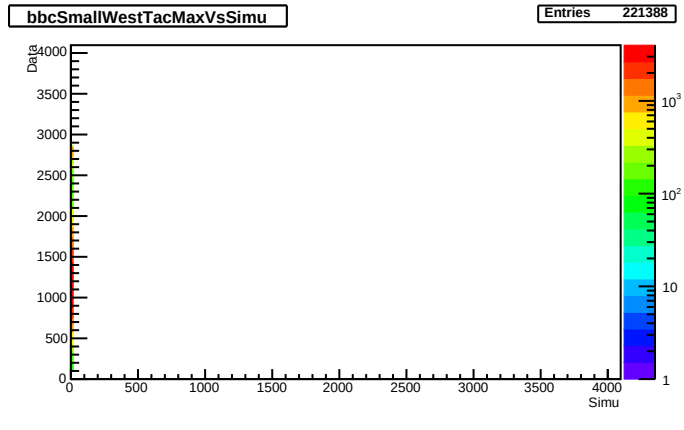

bbcSmallEastTacMax
Entries 256241

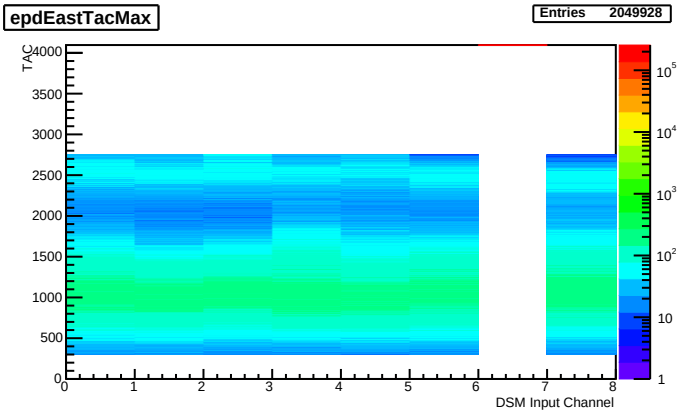

bbcSmallEastTacMaxVsSimu
Entries 195108
Data
Simu

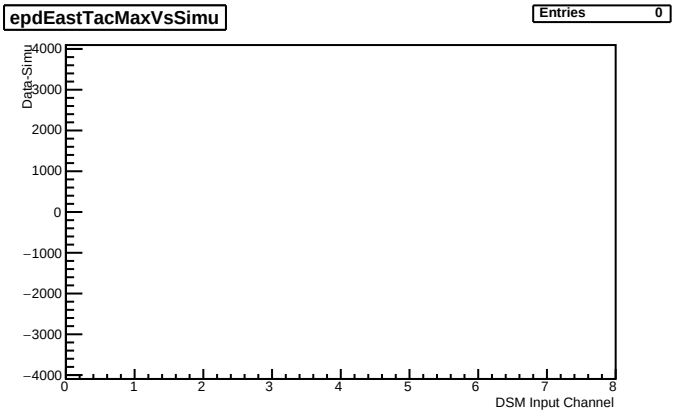

bbcSmallWestAdcSum
Entries 256241

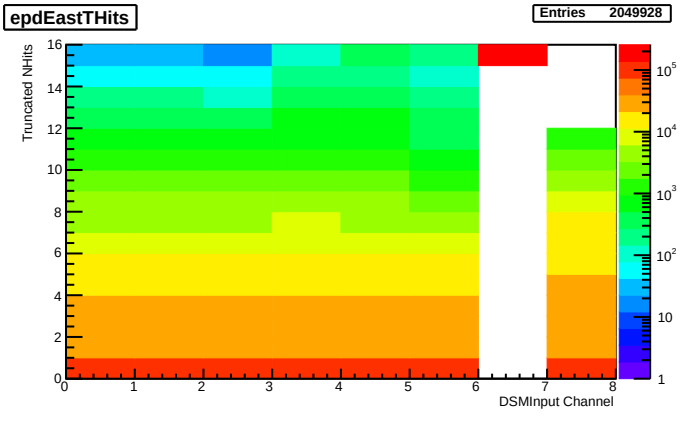

bbcSmallWestAdcSumVsSimu
Entries 221388
Data
Simu

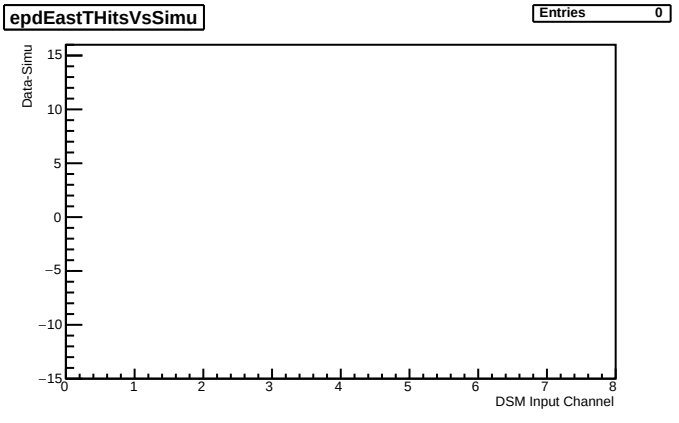

bbcSmallWestTacMax
Entries 256241

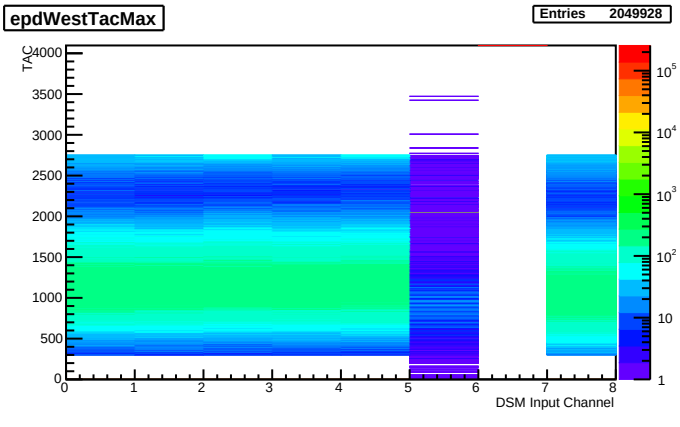

bbcSmallWestTacMaxVsSimu
Entries 221388
Data
Simu

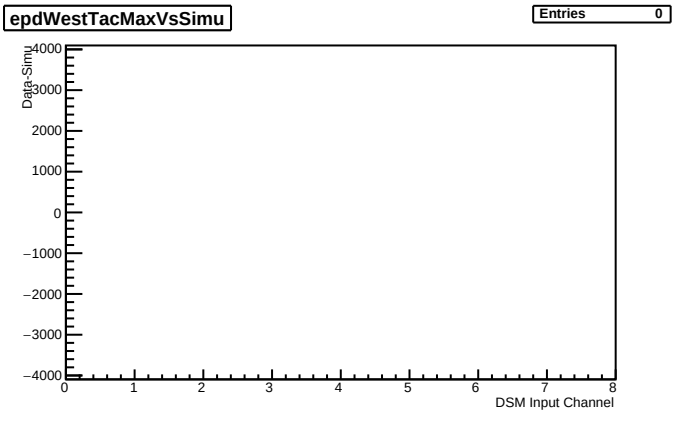

epdEastTacMax
Entries 2049928
TAC
DSM Input Channel

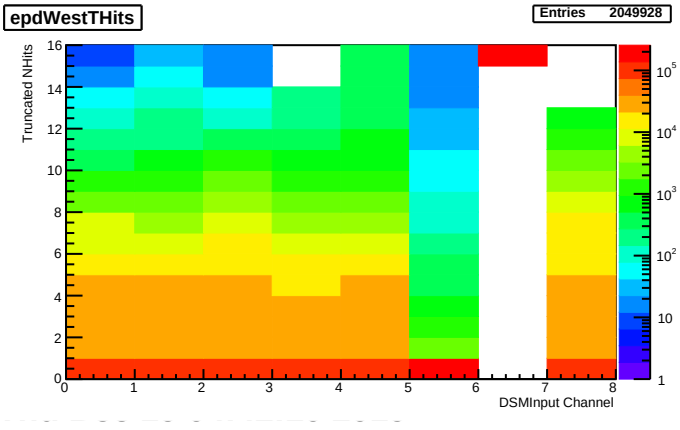

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

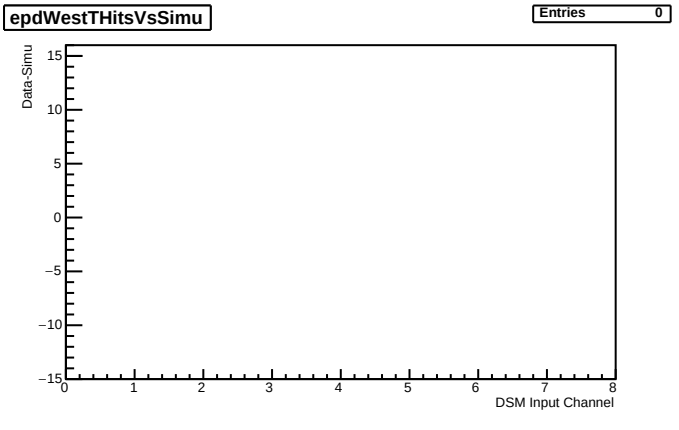

epdEastTHits
Entries 2049928
Truncated NHits
DSMInput Channel

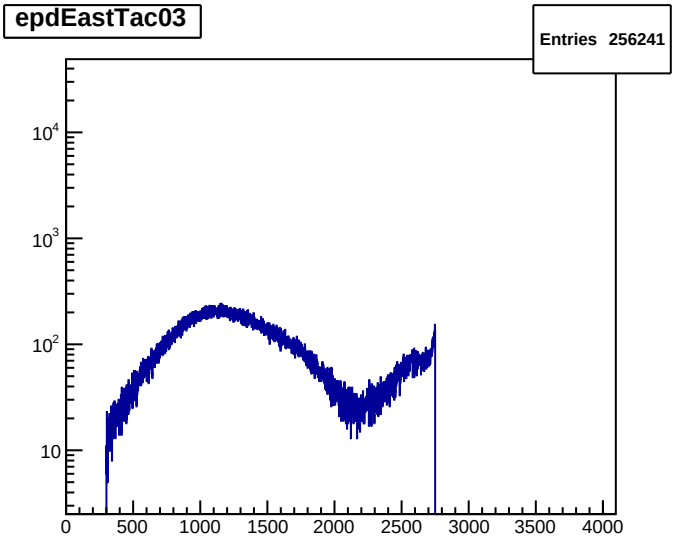

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

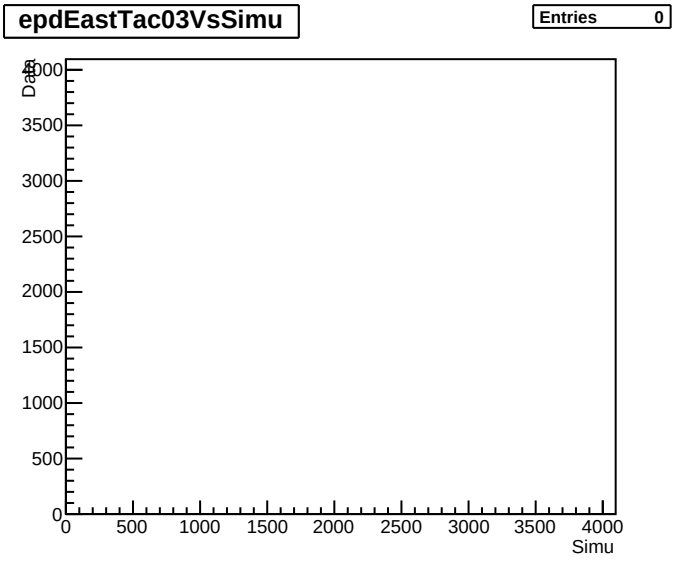

epdWestTacMax
Entries 2049928
TAC
DSM Input Channel

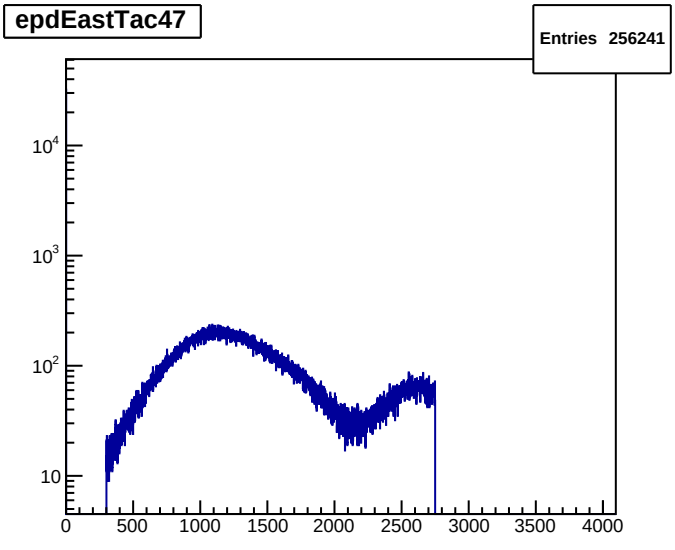

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

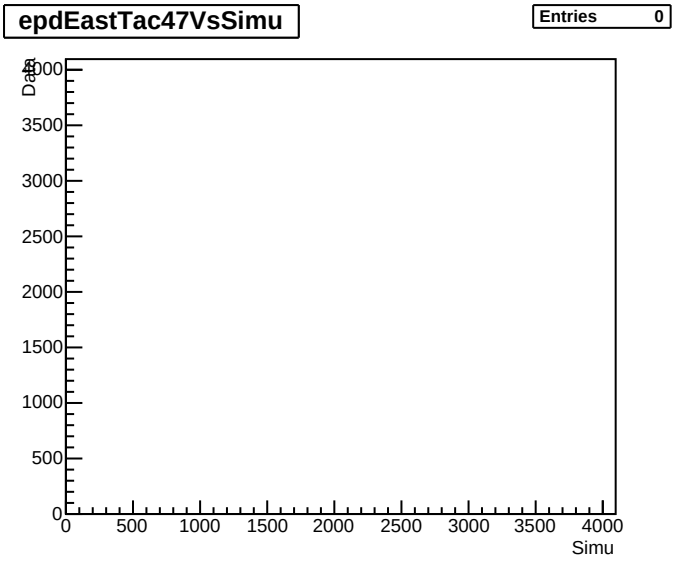

epdWestTHits
Entries 2049928
Truncated NHits
DSMInput Channel

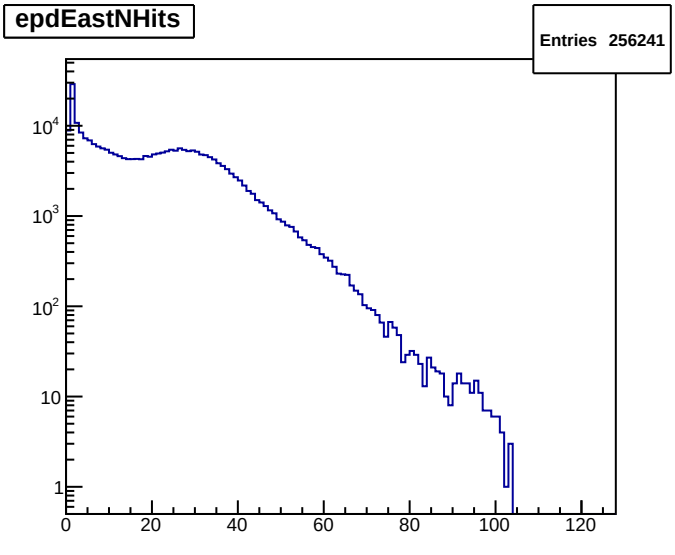

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

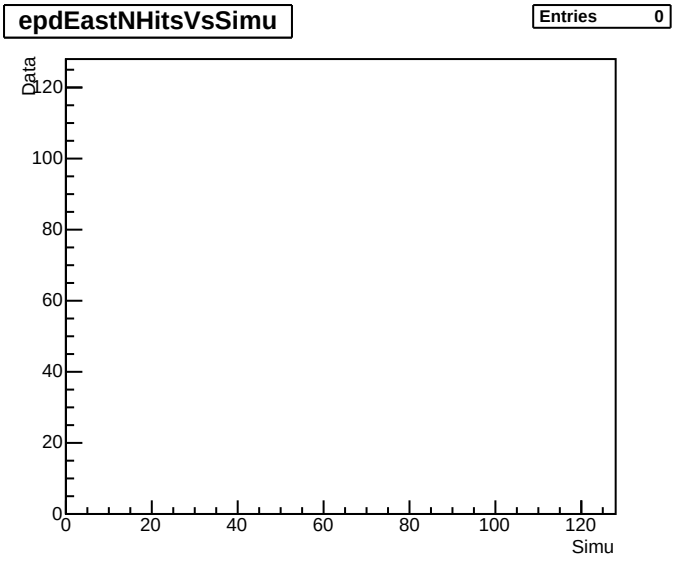

epdEastTac03
Entries 256241
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

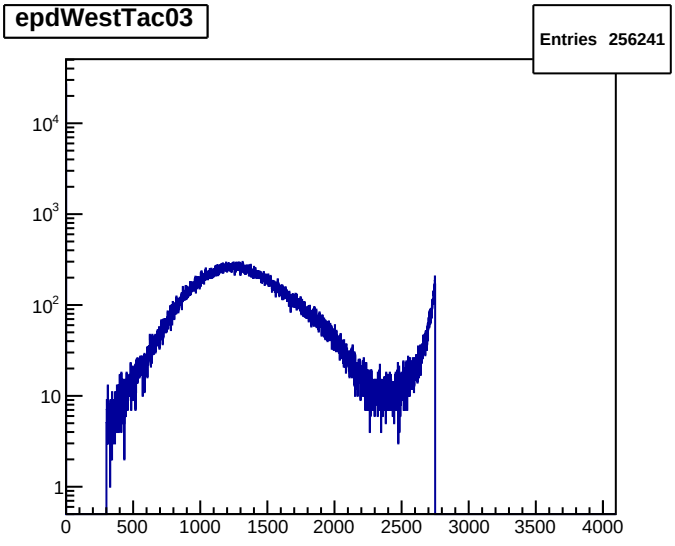

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

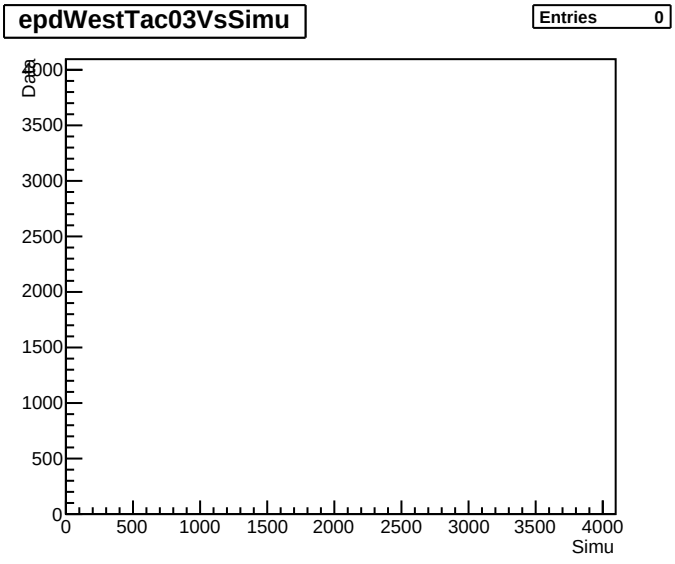

epdEastTac47
Entries 256241
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

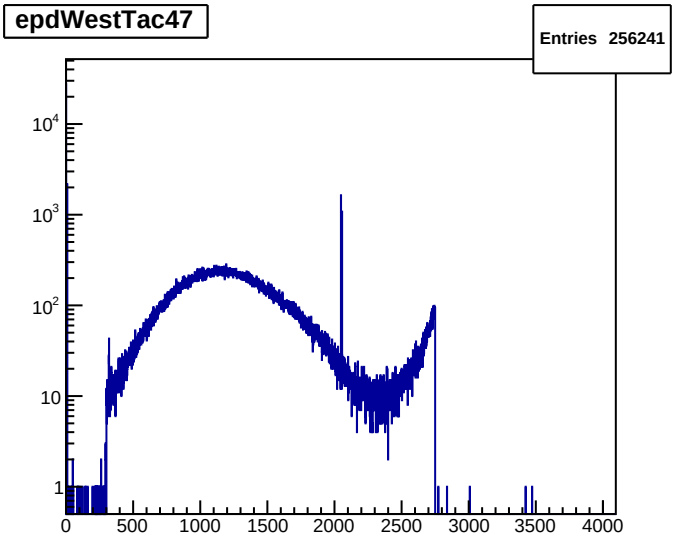

epdEastTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

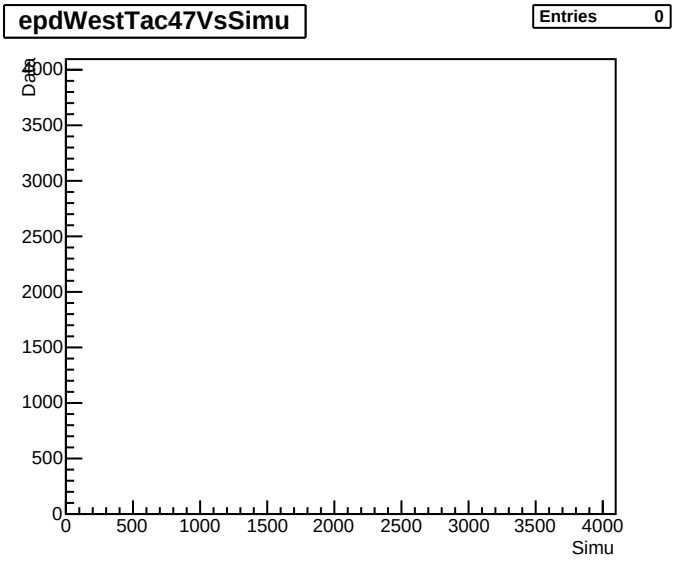

epdEastNHits
Entries 256241
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120

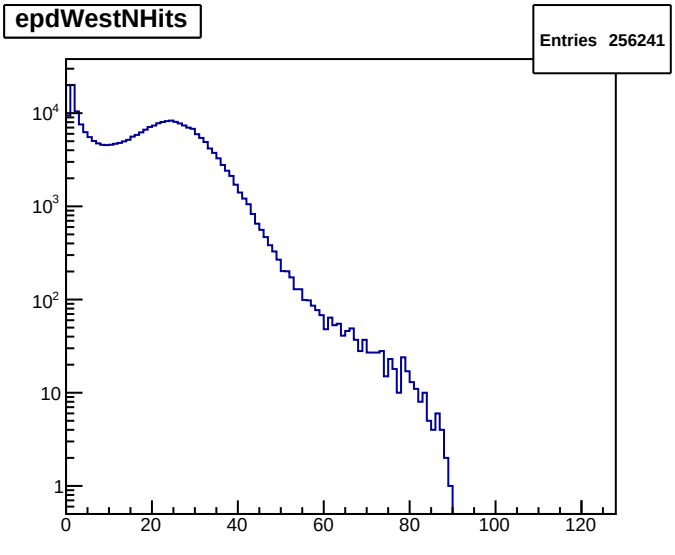

epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

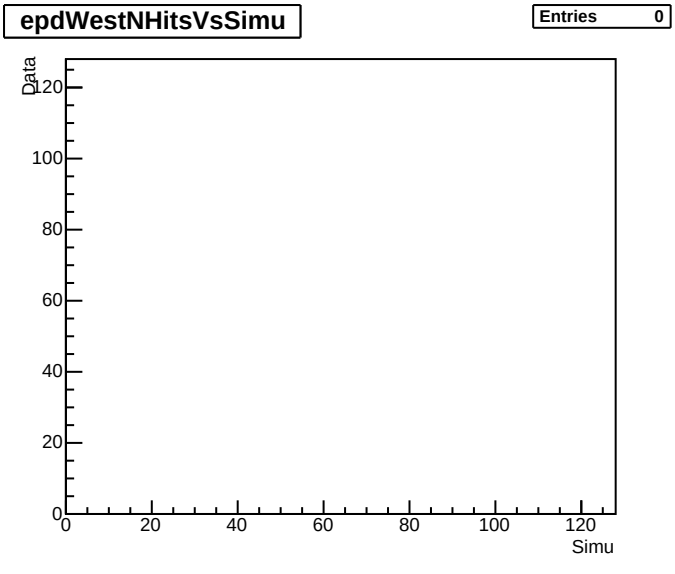

epdWestTac03
Entries 256241

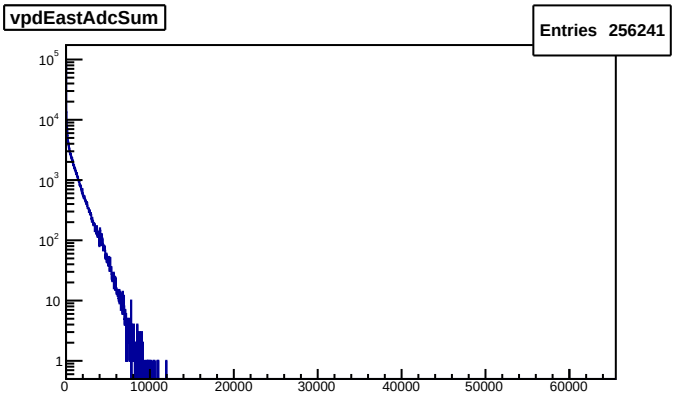

epdWestTac03VsSimu
Entries 0
Data
Simu

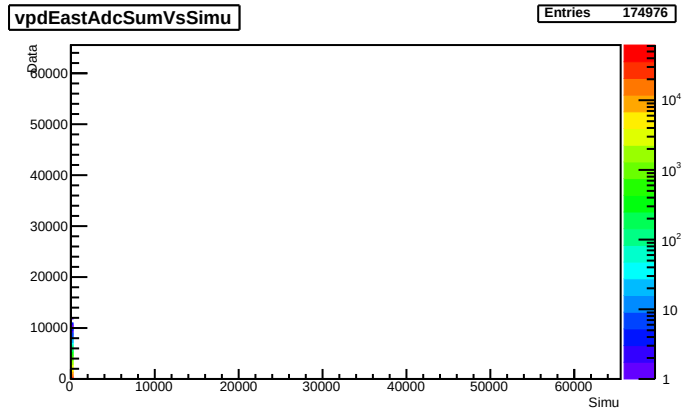

epdWestTac47
Entries 256241

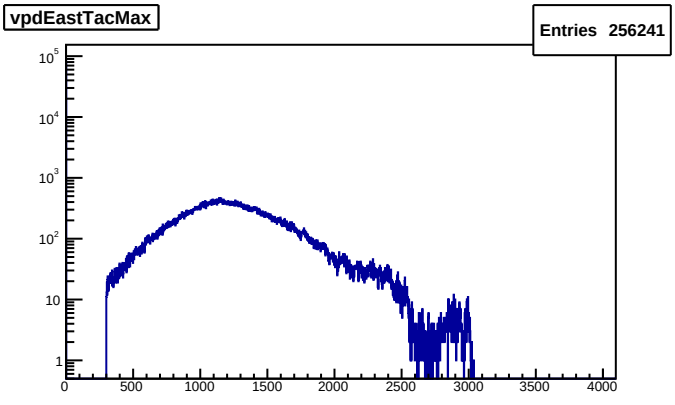

epdWestTac47VsSimu
Entries 0
Data
Simu

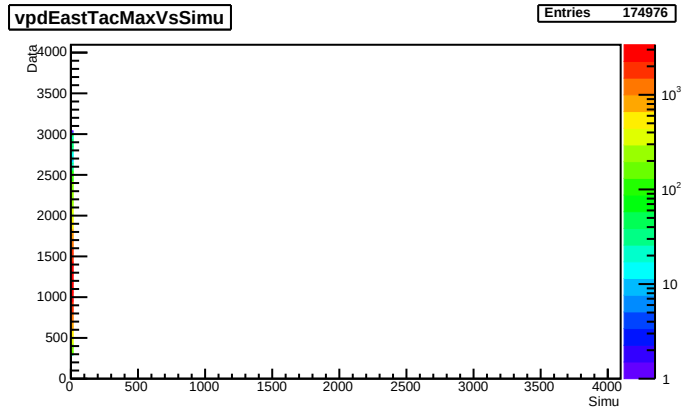

epdWestNHits
Entries 256241

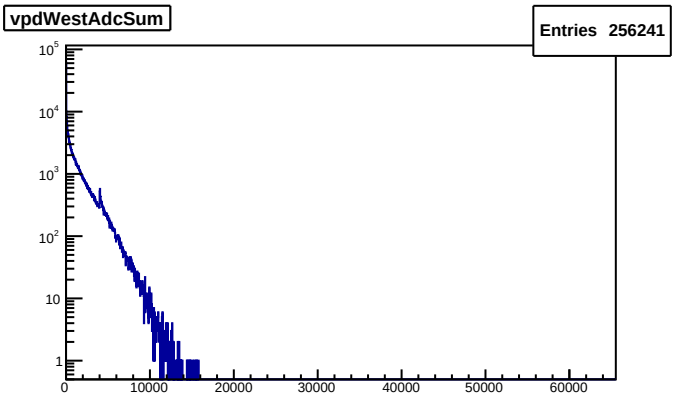

epdWestNHitsVsSimu
Entries 0
Data
Simu

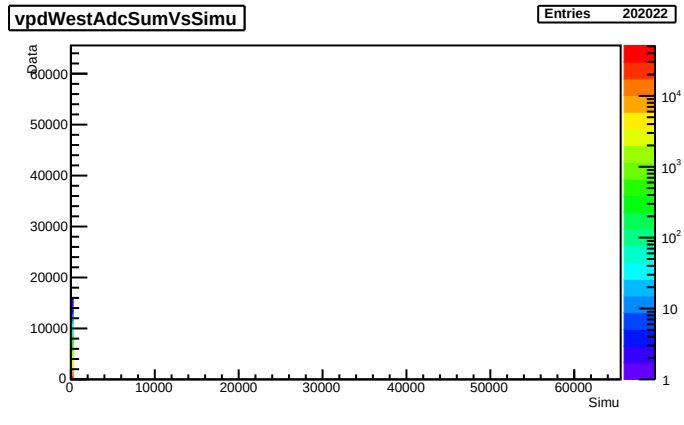

vpdEastAdcSum
Entries 256241

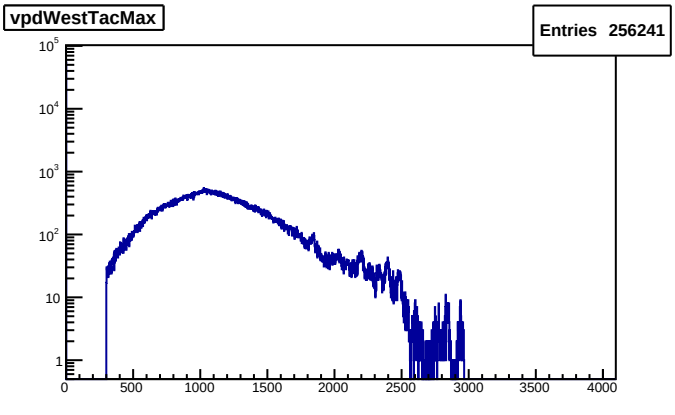

vpdEastAdcSumVsSimu
Entries 174976
Data
Simu

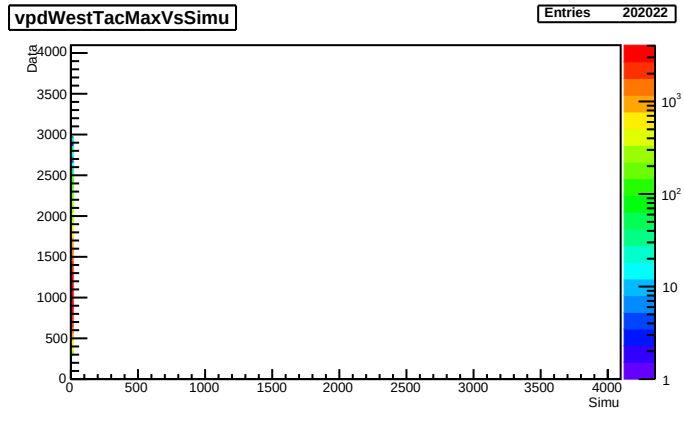

vpdEastTacMax
Entries 256241

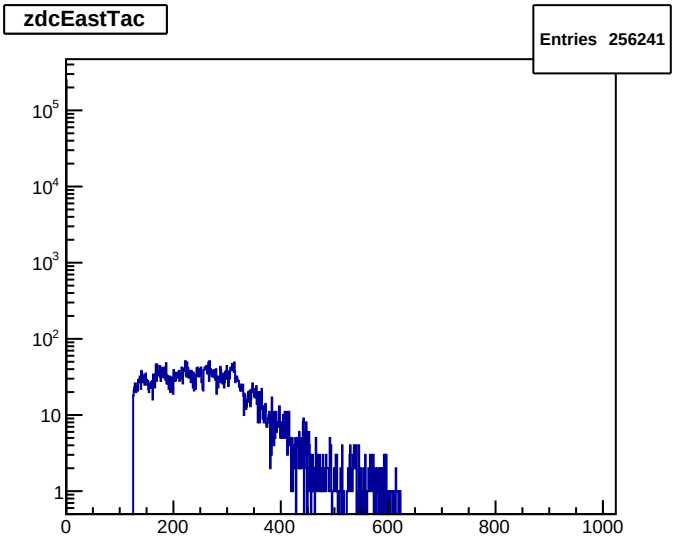

vpdEastTacMaxVsSimu
Entries 174976
Data
Simu

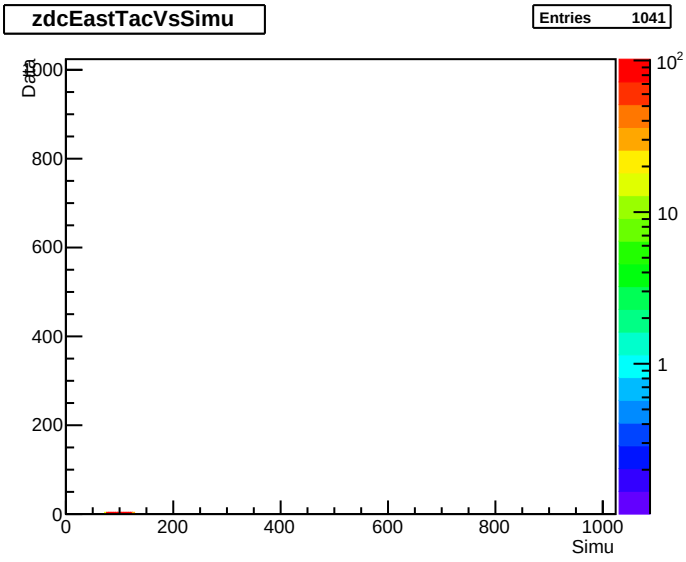

vpdWestAdcSum
Entries 256241

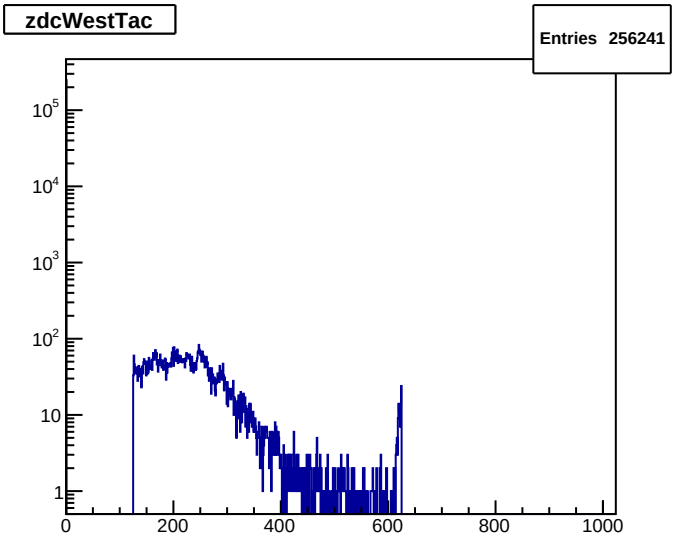

vpdWestAdcSumVsSimu
Entries 202022
Data
Simu

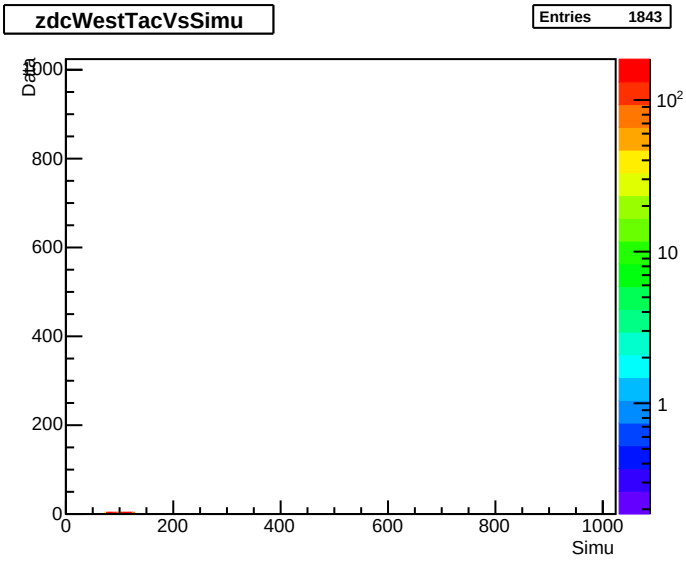

vpdWestTacMax
Entries 256241

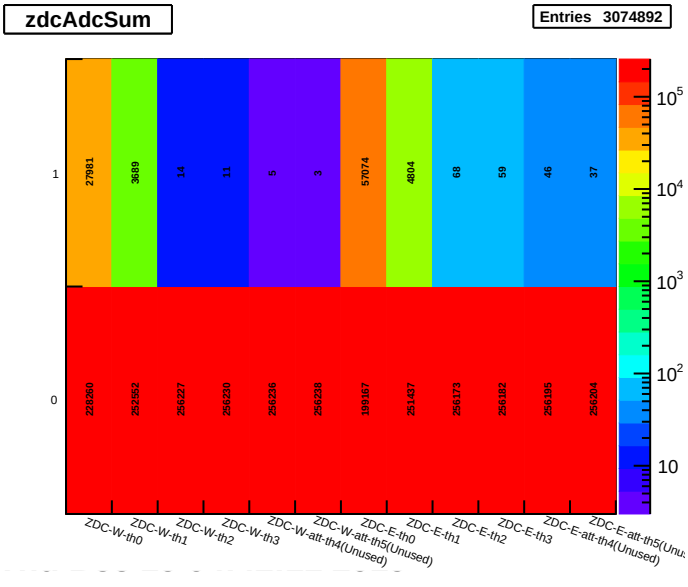

vpdWestTacMaxVsSimu
Entries 202022
Data
Simu

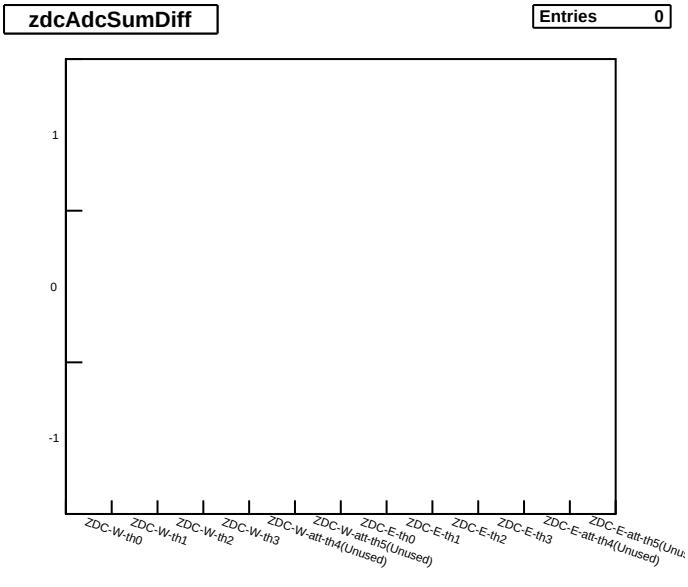

zdcEastTac
Entries 256241

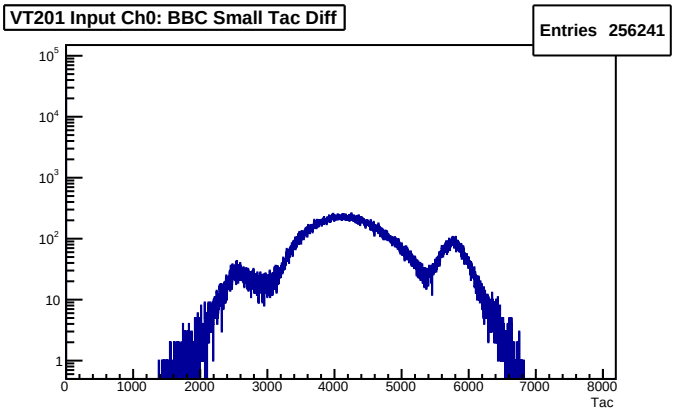

zdcEastTacVsSimu
Entries 1041
Data
Simu

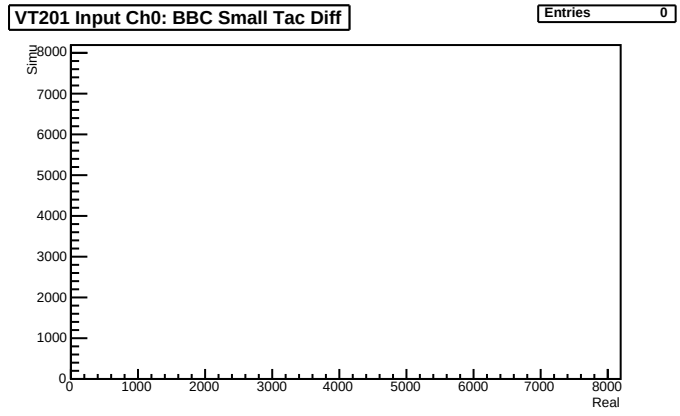

zdcWestTac
Entries 256241

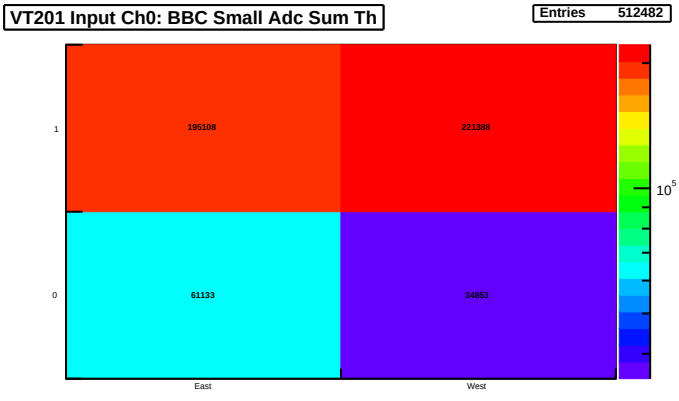

zdcWestTacVsSimu
Entries 1843
Data
Simu

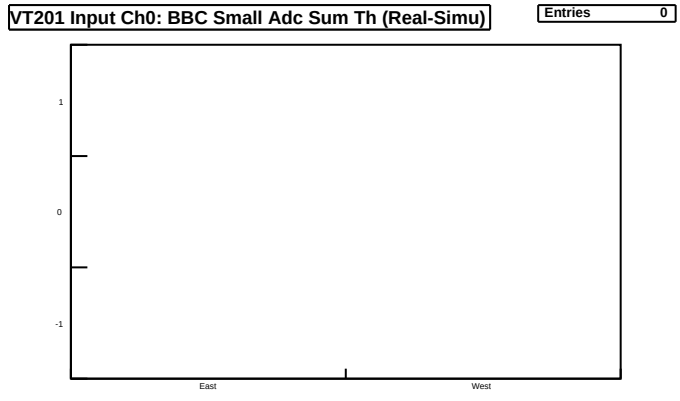

zdcAdcSum
Entries 3074892
27981
3689
14
11
5
3
57074
4804
68
59
46
37
228260
252552
256227
256230
256236
256238
199167
251437
256173
256182
256195
256204
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

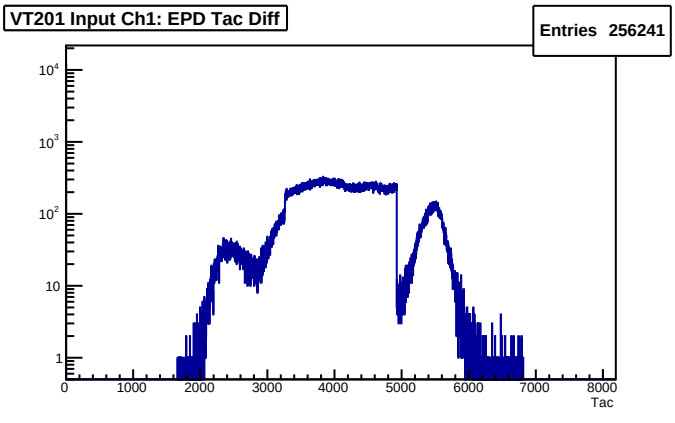

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

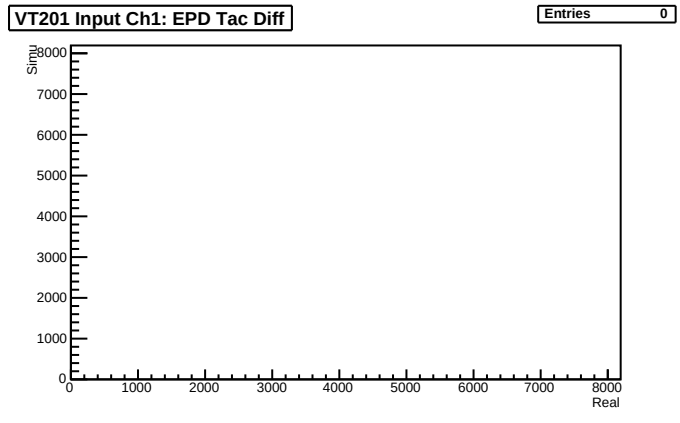

VT201 Input Ch0: BBC Small Tac Diff
Entries 256241
Tac

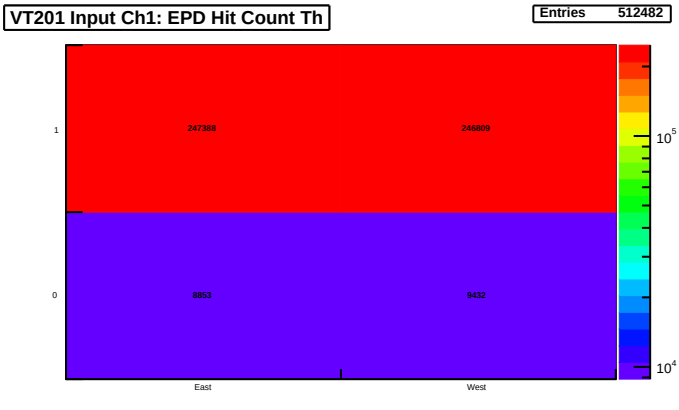

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

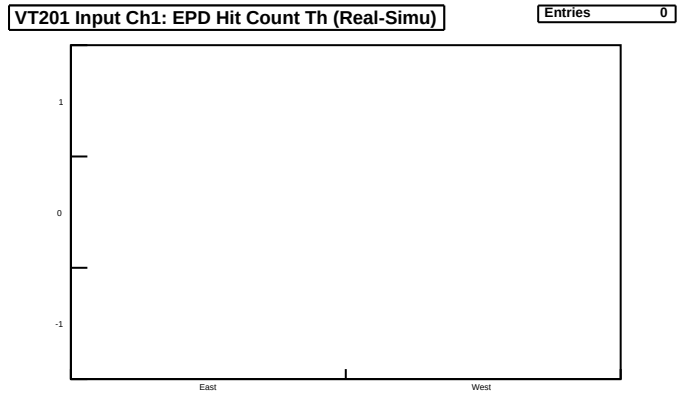

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 512482
195108
221388
61133
34853
East
West

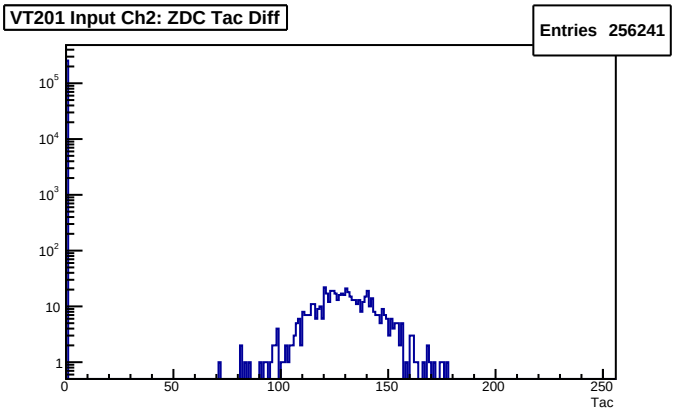

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

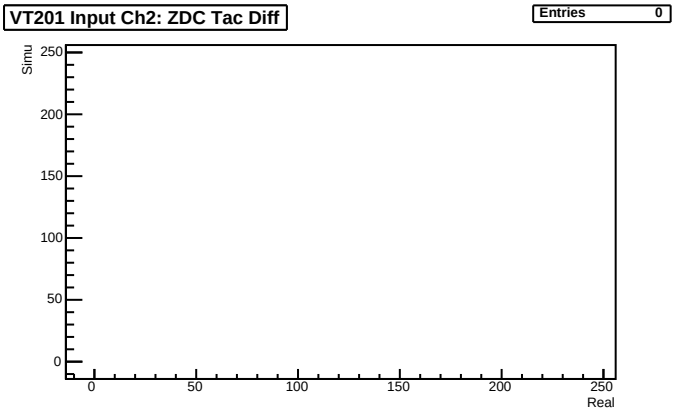

VT201 Input Ch1: EPD Tac Diff
Entries 256241
Tac

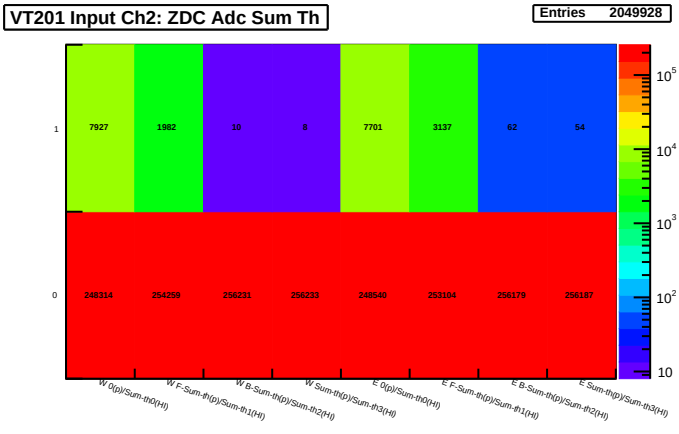

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

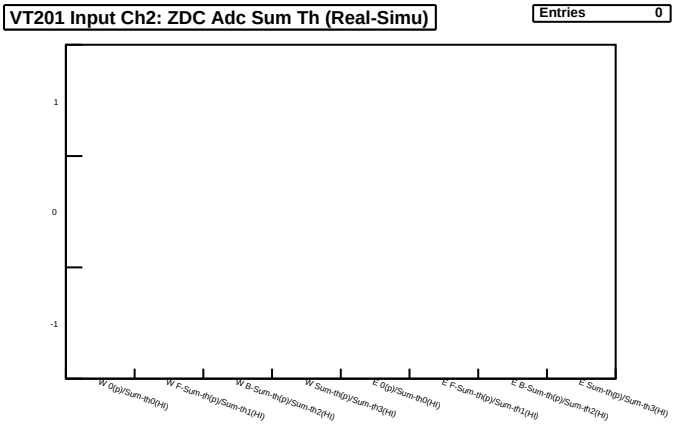

VT201 Input Ch1: EPD Hit Count Th
Entries 512482
247388
246809
8853
9432
East
West

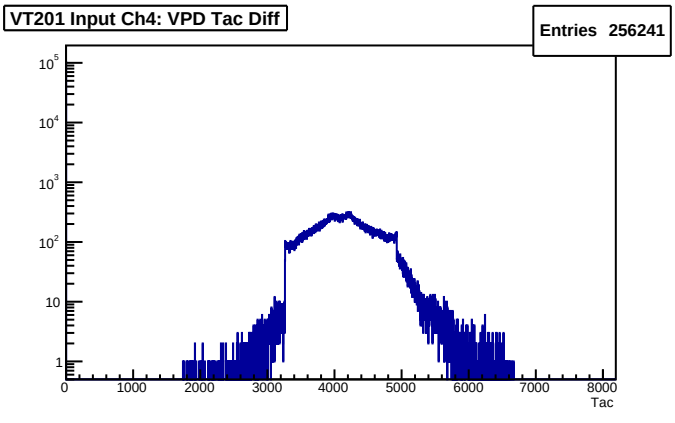

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

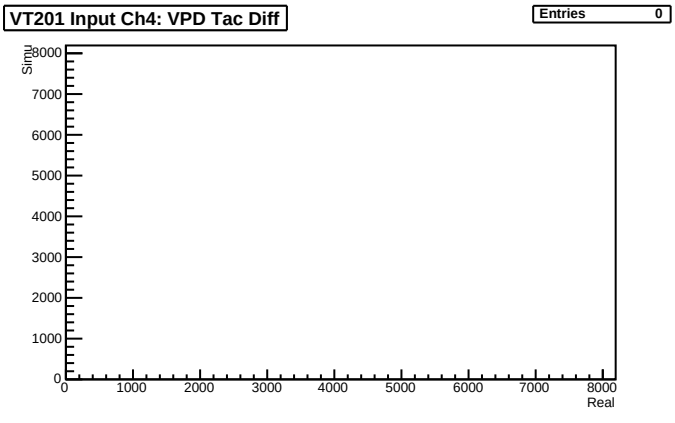

VT201 Input Ch2: ZDC Tac Diff
Entries 256241
Tac

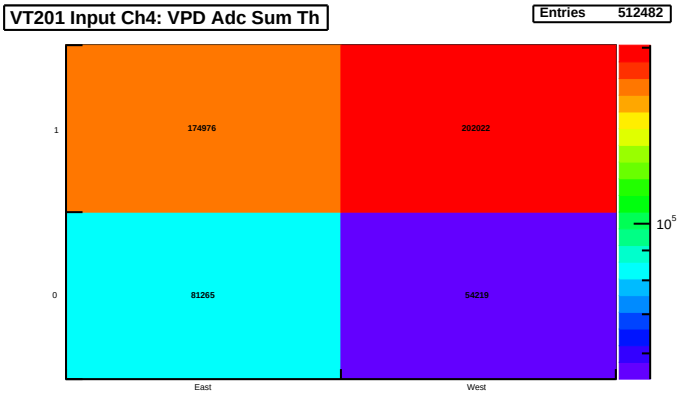

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

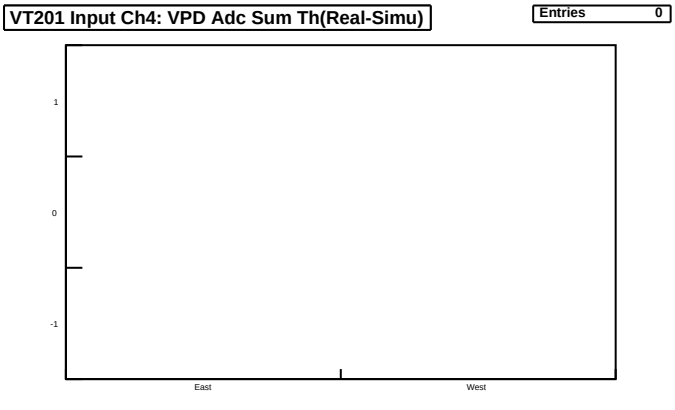

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2049928
7927
1982
10
8
7701
3137
62
54
248314
254259
256231
256233
248540
253104
256179
256187
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

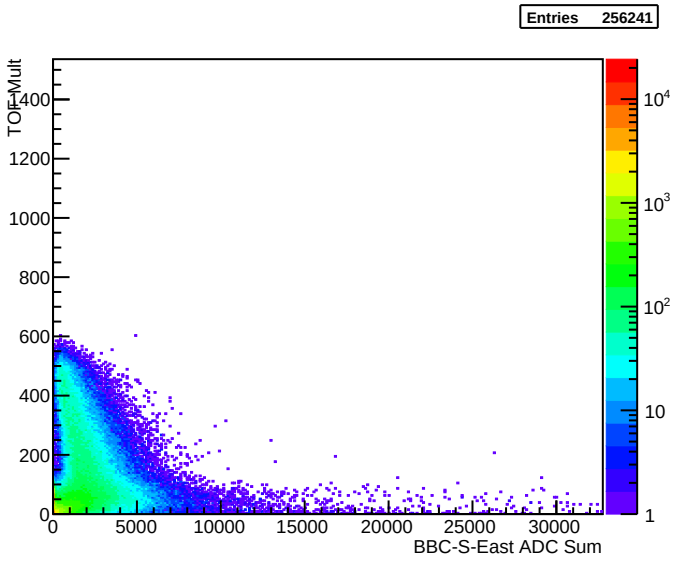

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

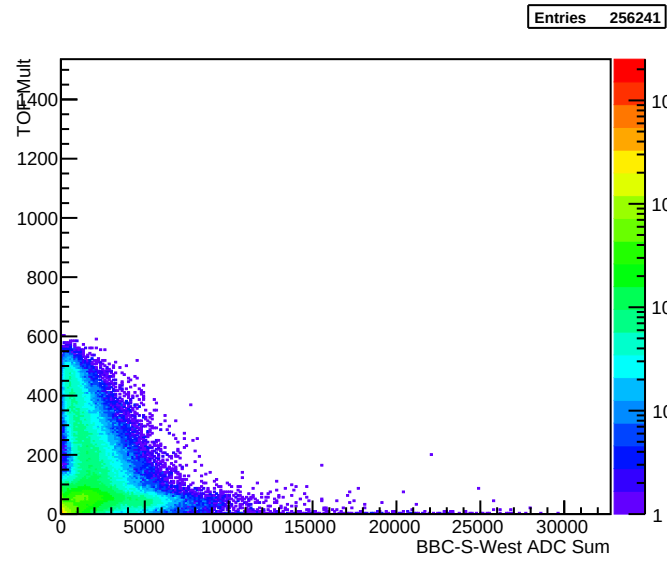

VT201 Input Ch4: VPD Tac Diff
Entries 256241
Tac

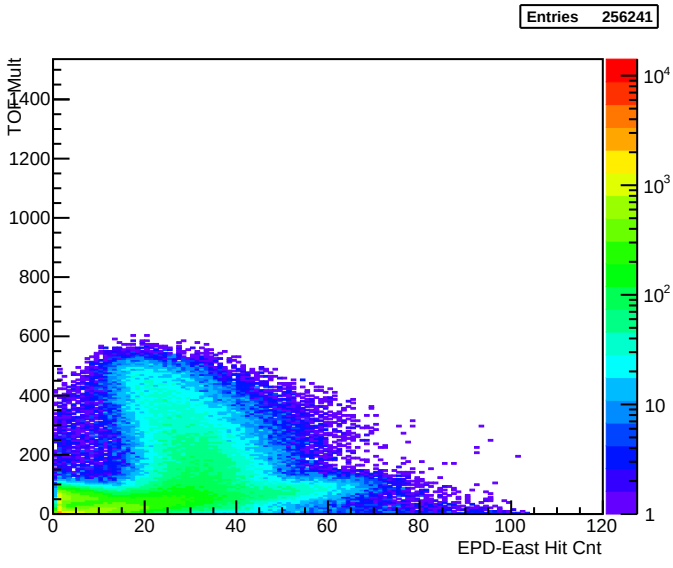

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

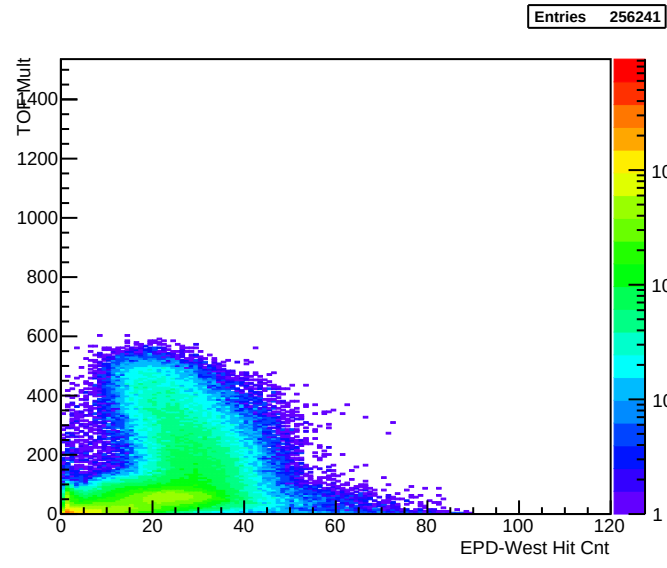

VT201 Input Ch4: VPD Adc Sum Th
Entries 512482
174976
202022
81265
54219
East
West

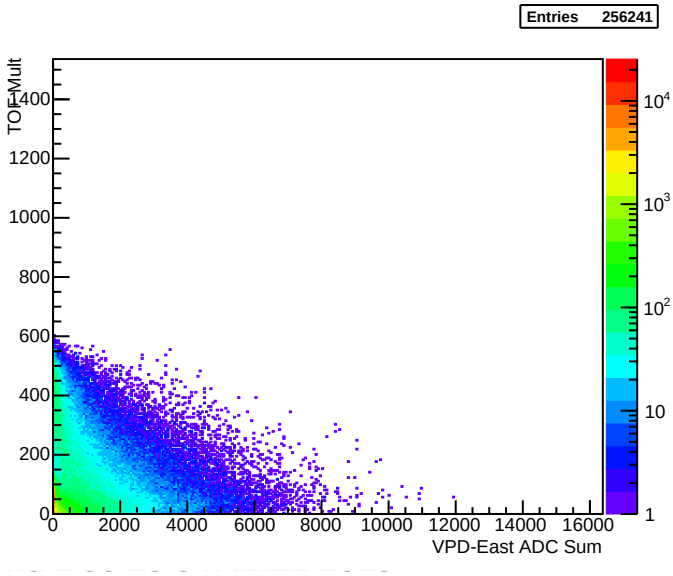

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

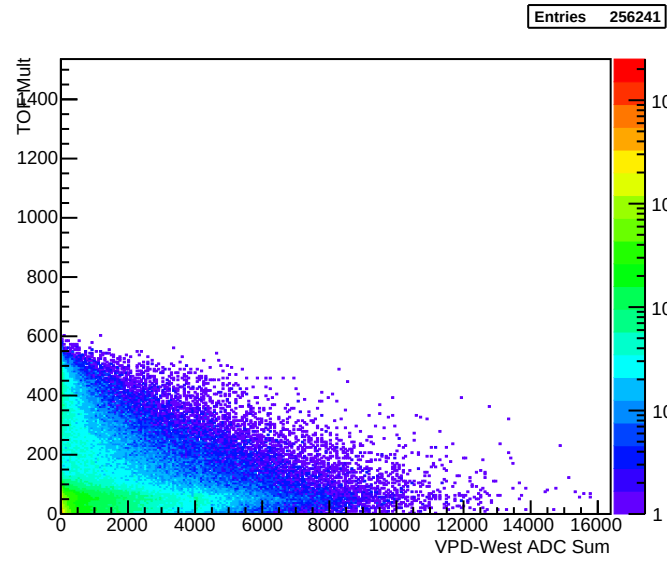

Entries 256241
TOF-Mult
BBC-S-East ADC Sum

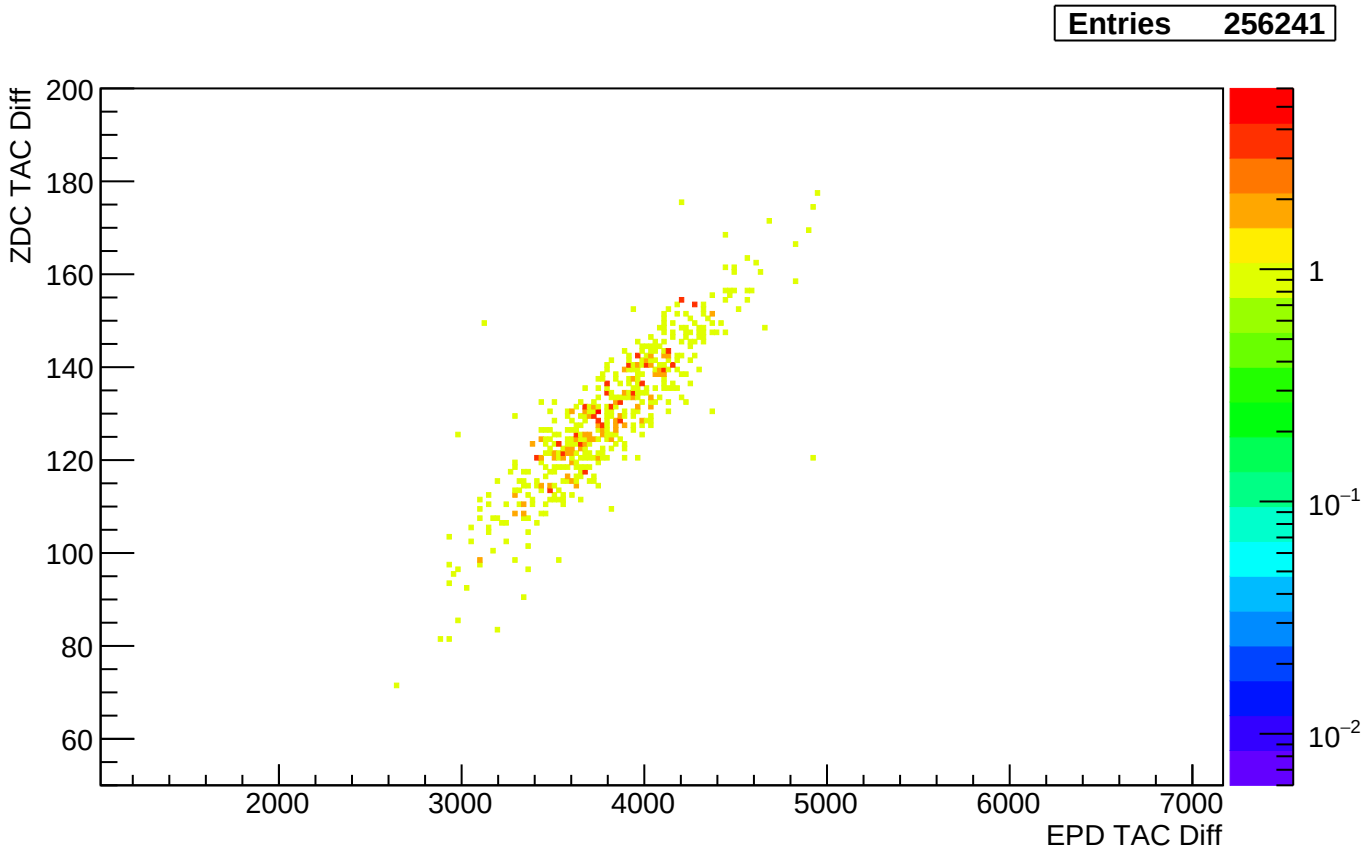

Entries 256241
TOF-Mult
BBC-S-West ADC Sum

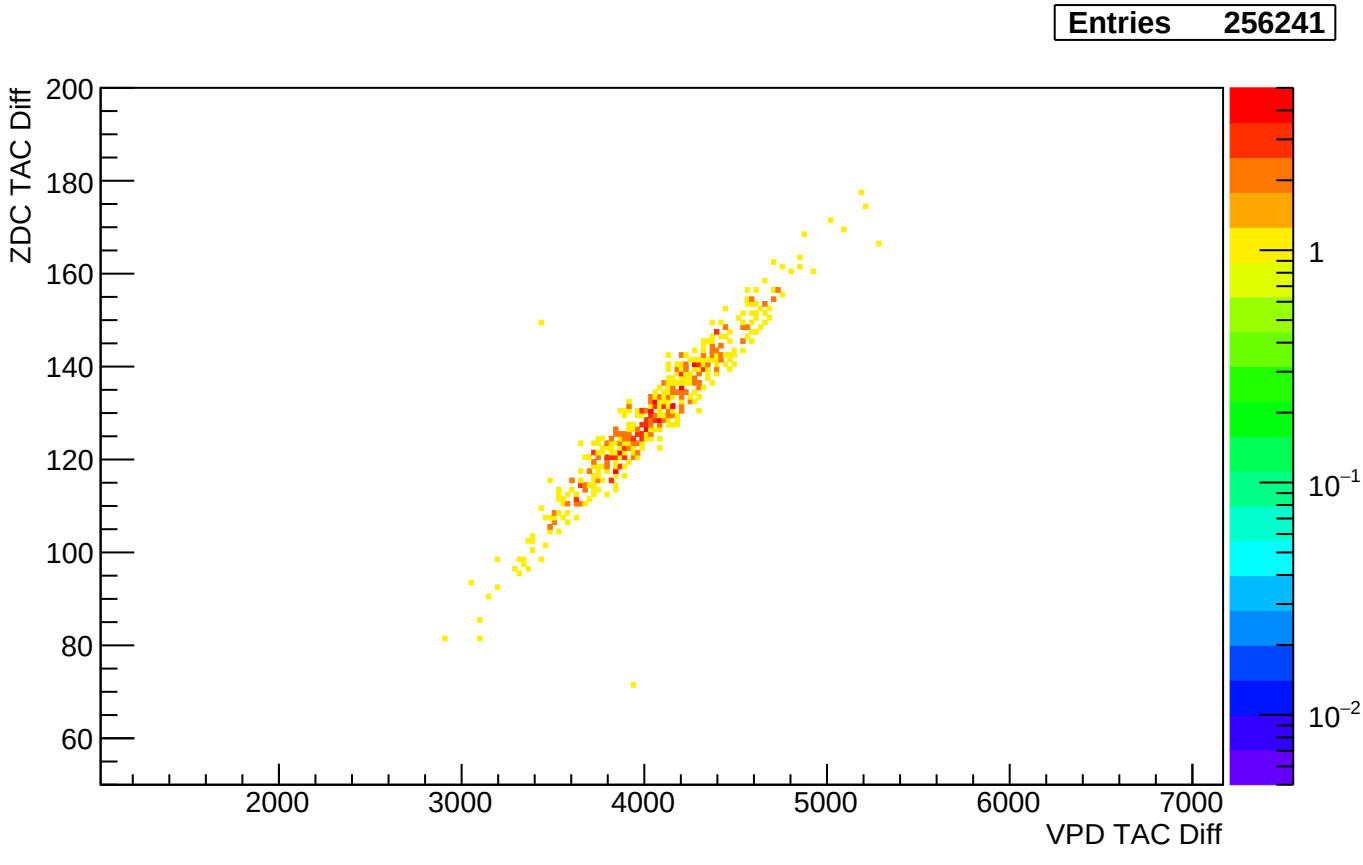

Entries 256241
TOF-Mult
EPD-East Hit Cnt

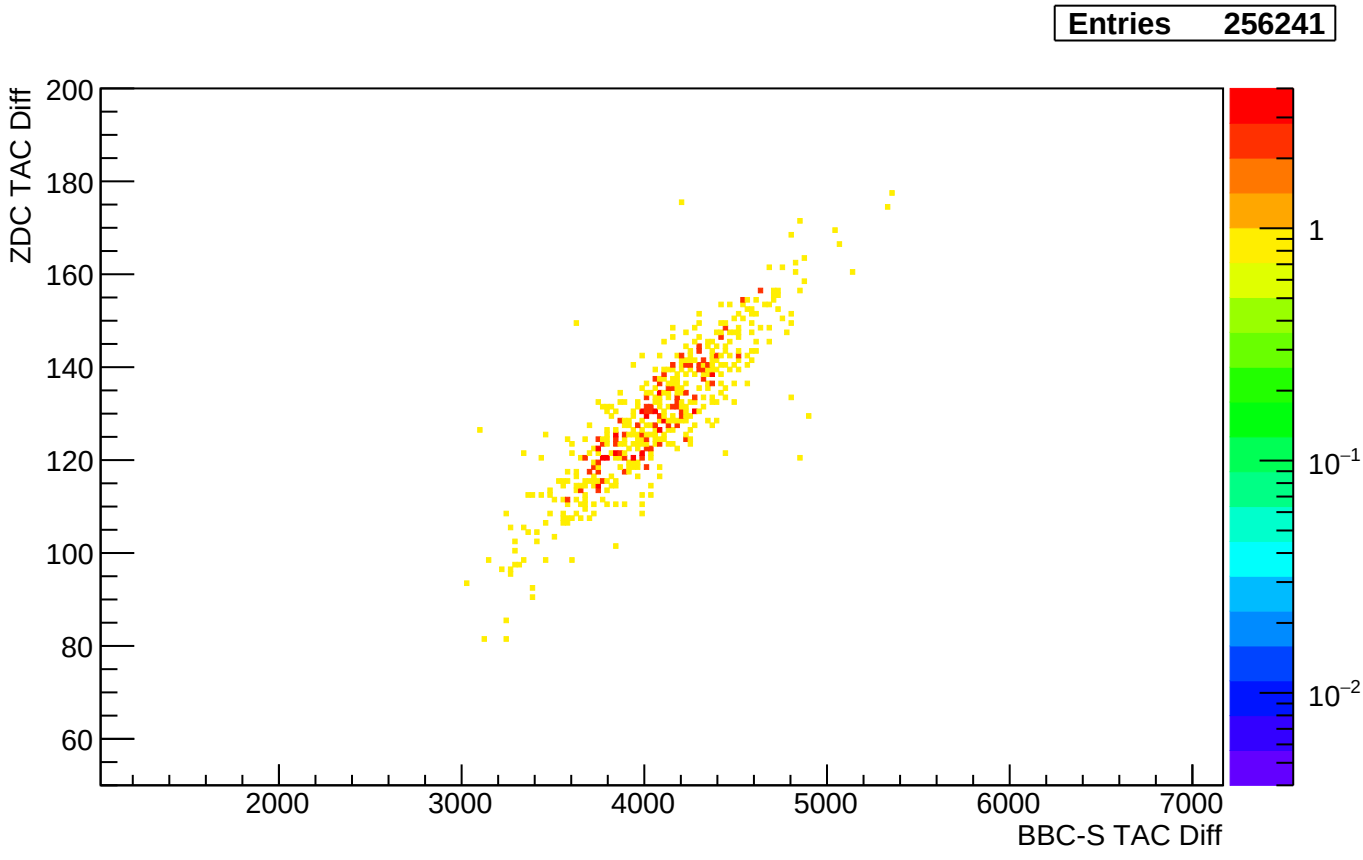

Entries 256241
TOF-Mult
EPD-West Hit Cnt

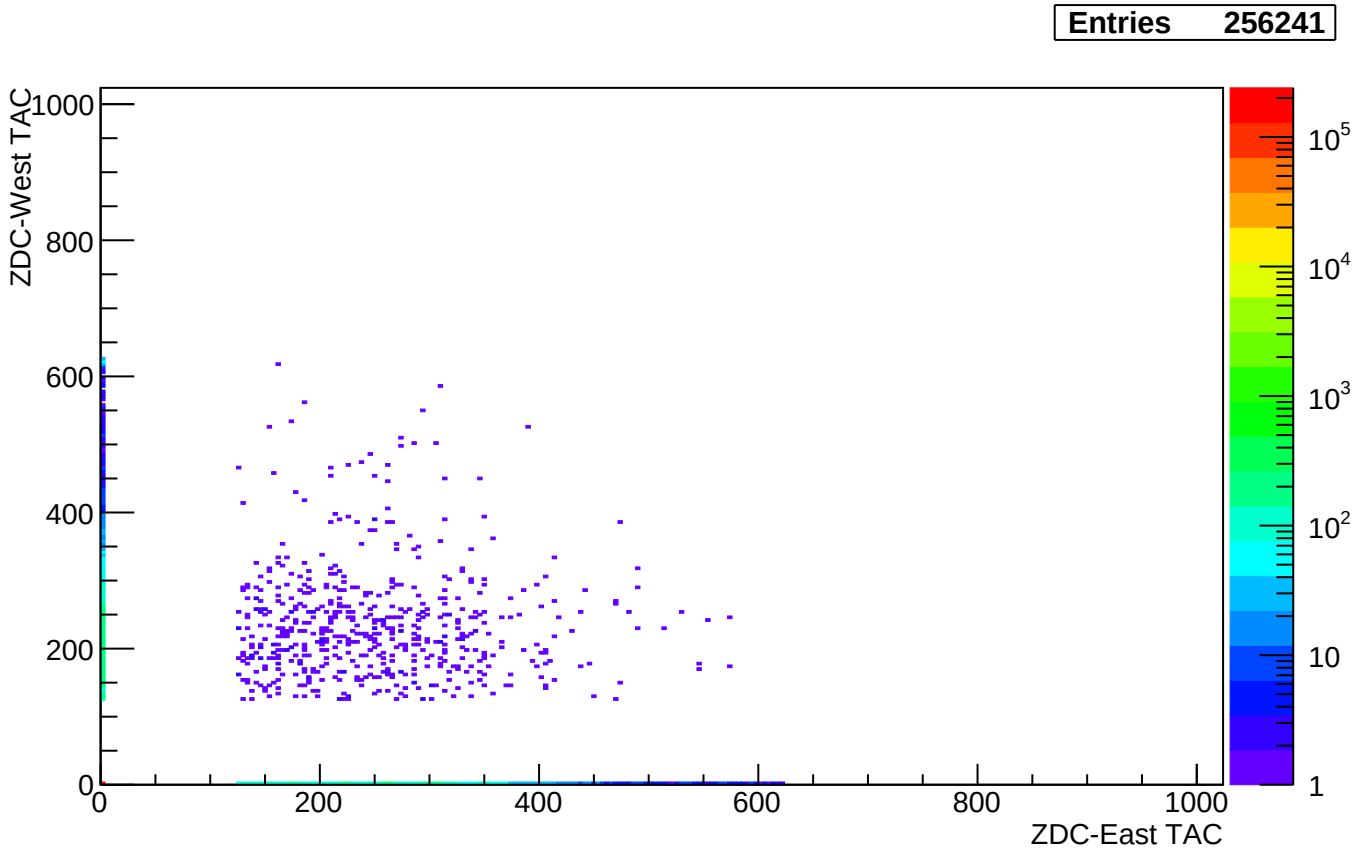

Entries 256241
TOF-Mult
VPD-East ADC Sum

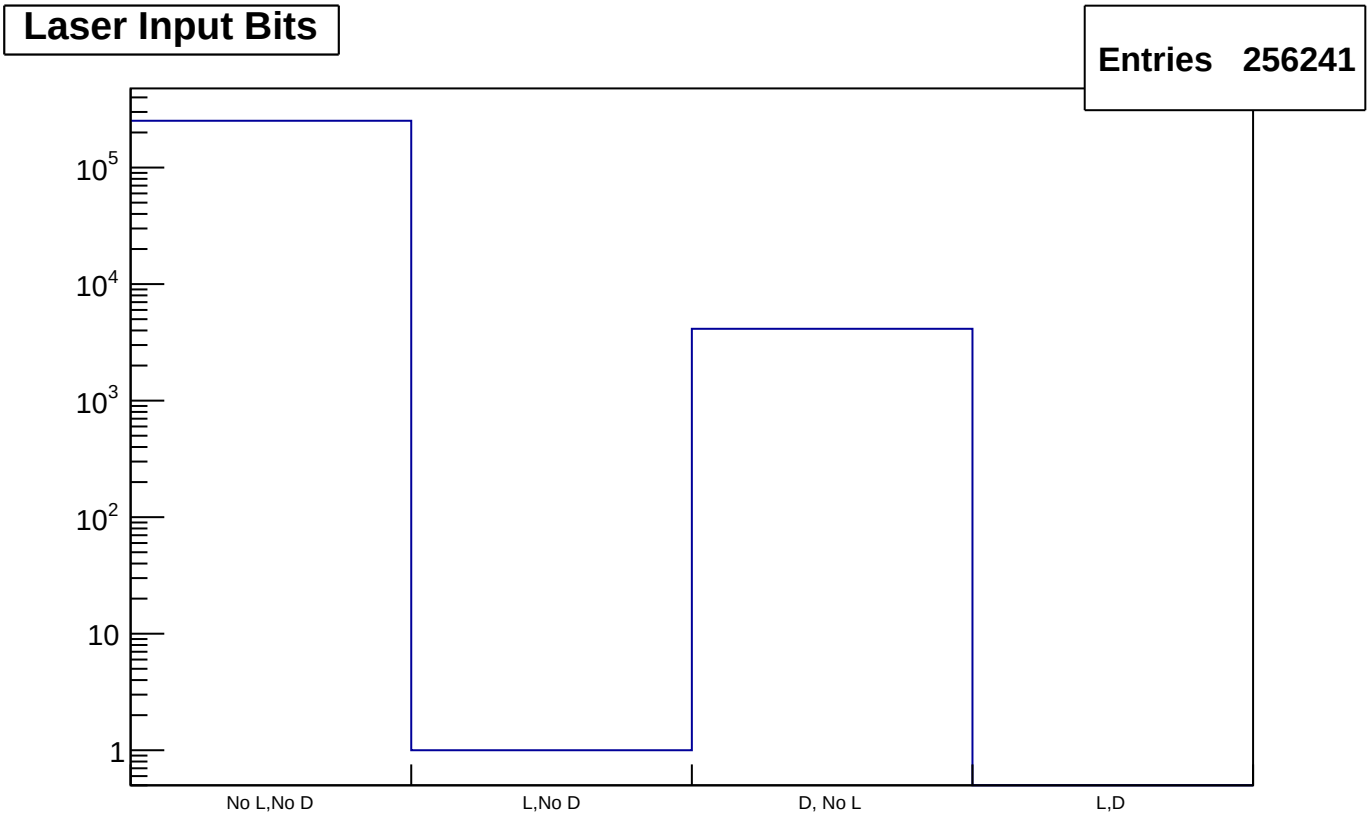

Entries 256241
TOF-Mult
VPD-West ADC Sum

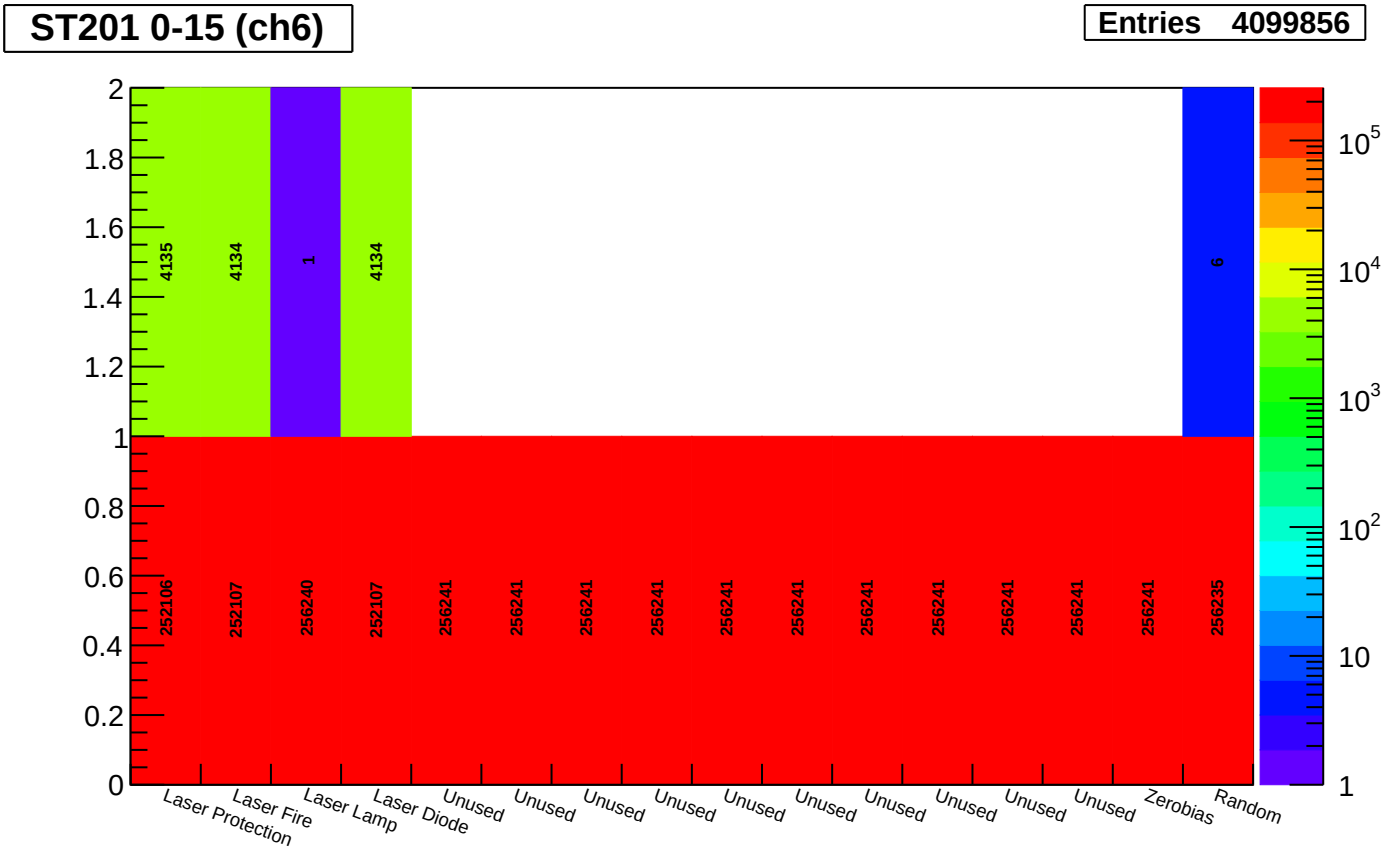

Entries 256241
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

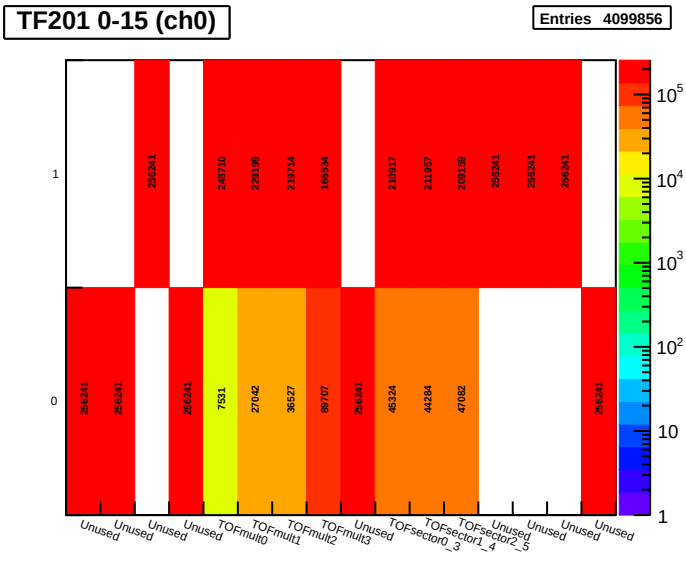

Entries 256241
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

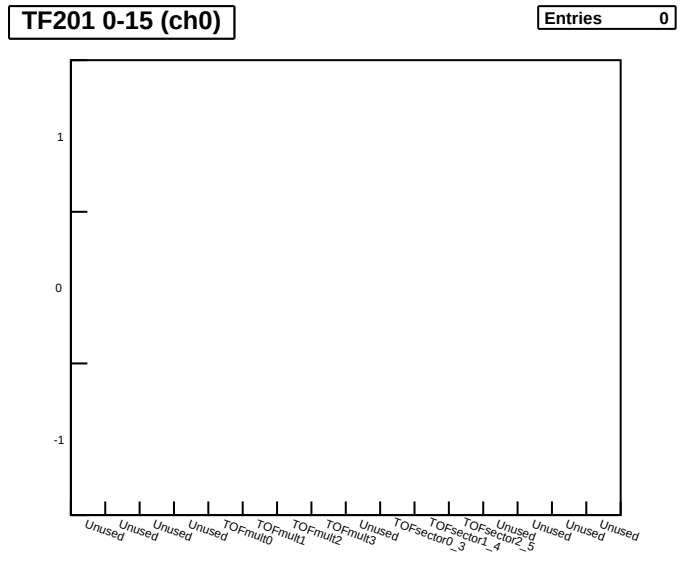

Entries 256241
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

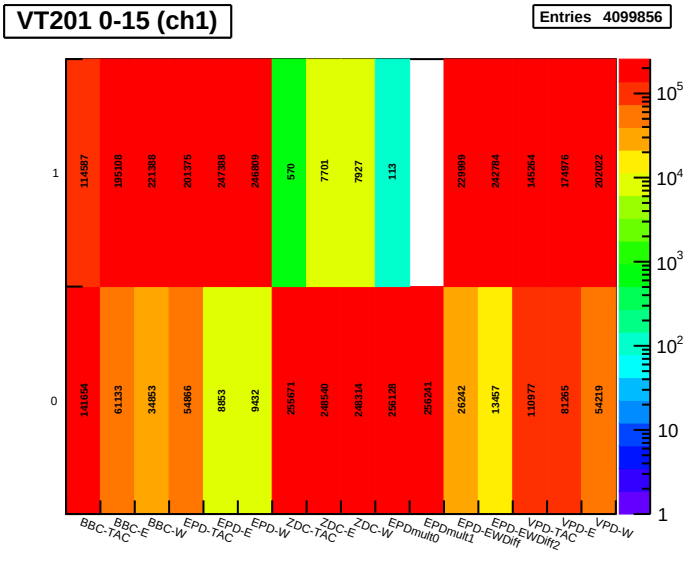

Entries 256241
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

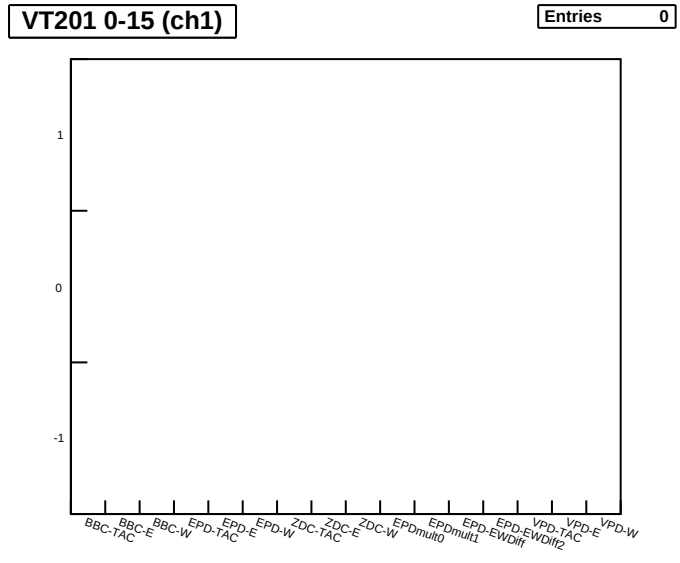

Laser Input Bits
Entries 256241
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

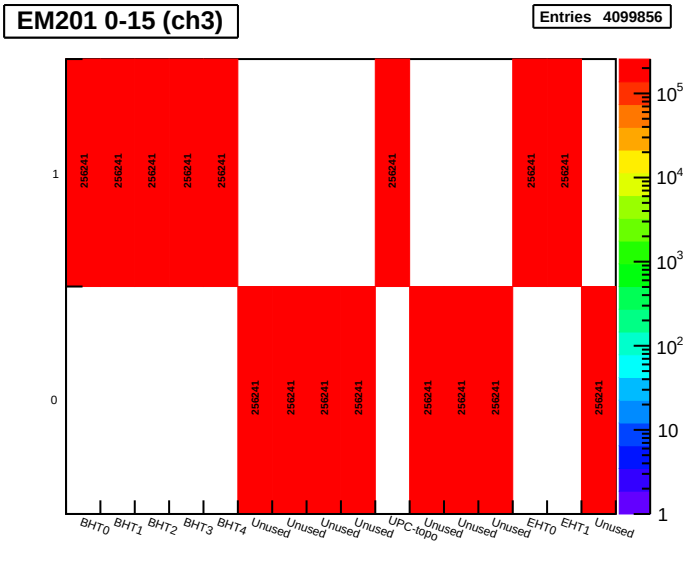

ST201 0-15 (ch6)
Entries 4099856
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
4135
4134
1
4134
6
252106
252107
256240
252107
256241
256241
256241
256241
256241
256241
256241
256241
256241
256241
256241
256235
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

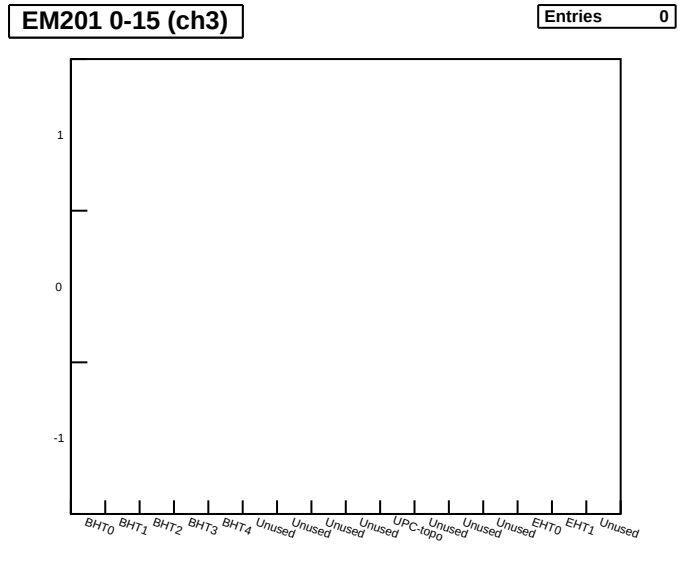

TF201 0-15 (ch0)
Entries 4099856
1
0
256241
248710
229199
219714
166534
210917
211957
209159
256241
256241
256241
256241
256241
256241
256241
7531
27042
36527
89707
256241
45324
44284
47082
256241
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
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 4099856
1
0
114587
195108
221388
201375
247388
246809
570
7701
7927
113
229999
242784
145264
174976
202022
141654
61133
34853
54866
8853
9432
255671
248540
248314
256128
256241
26242
13457
110977
81265
54219
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 4099856
1
0
256241
256241
256241
256241
256241
256241
256241
256241
256241
256241
256241
256241
256241
256241
256241
256241
256241
256241
256241
256241
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