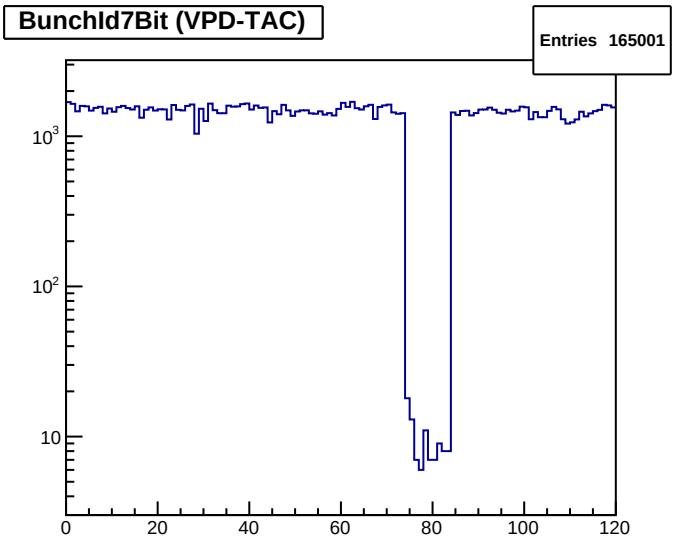
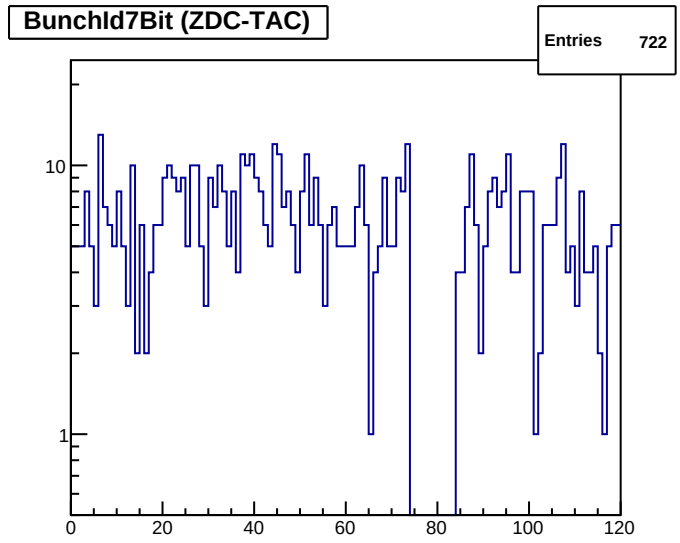
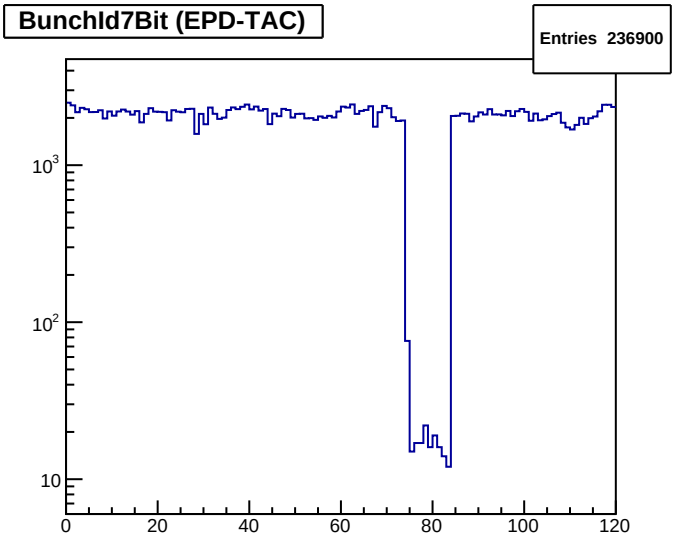
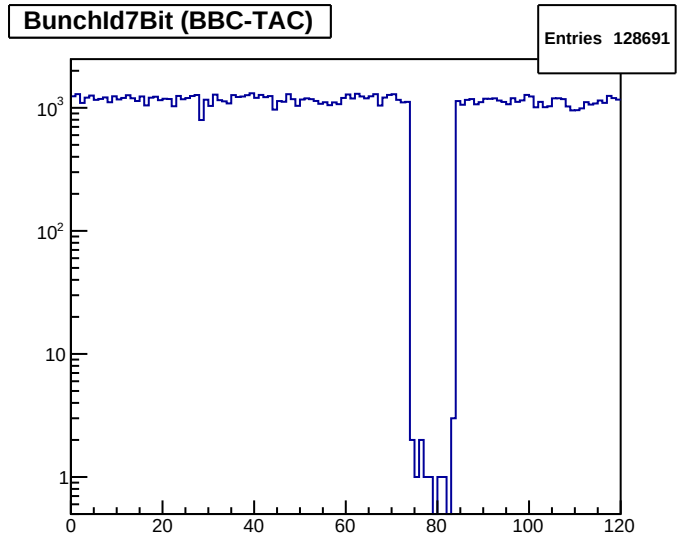
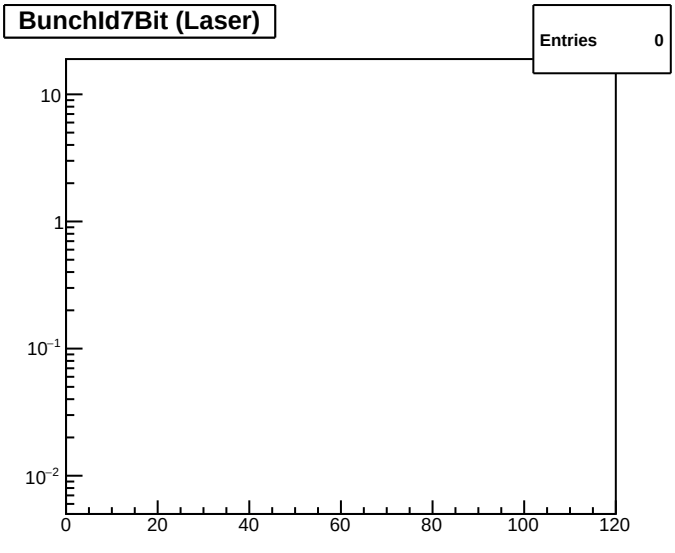
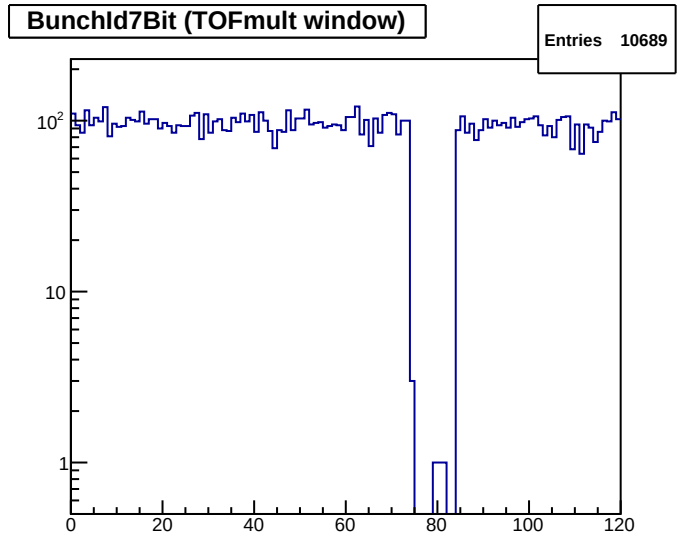

BunchId7Bit (VPD-TAC)
Entries 165001
10^3
10^2
10
0 20 40 60 80 100 120

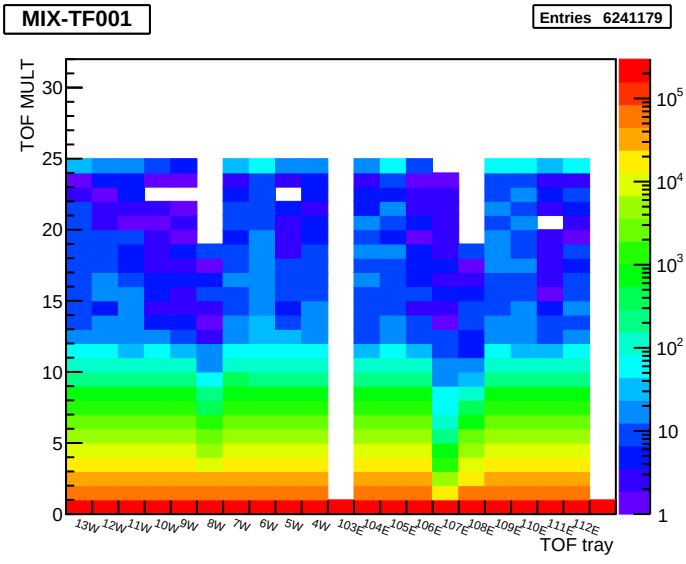

BunchId7Bit (ZDC-TAC)
Entries 722
10
1
0 20 40 60 80 100 120

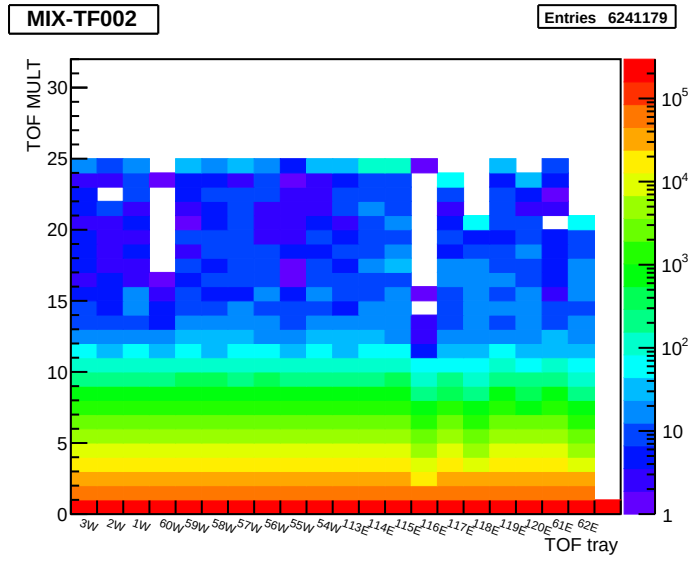

BunchId7Bit (EPD-TAC)
Entries 236900
10^3
10^2
10
0 20 40 60 80 100 120

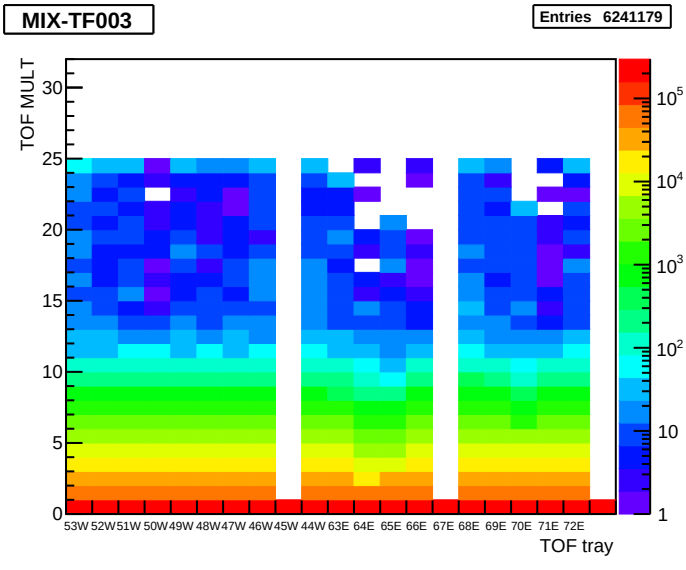

BunchId7Bit (BBC-TAC)
Entries 128691
10^3
10^2
10
1
0 20 40 60 80 100 120

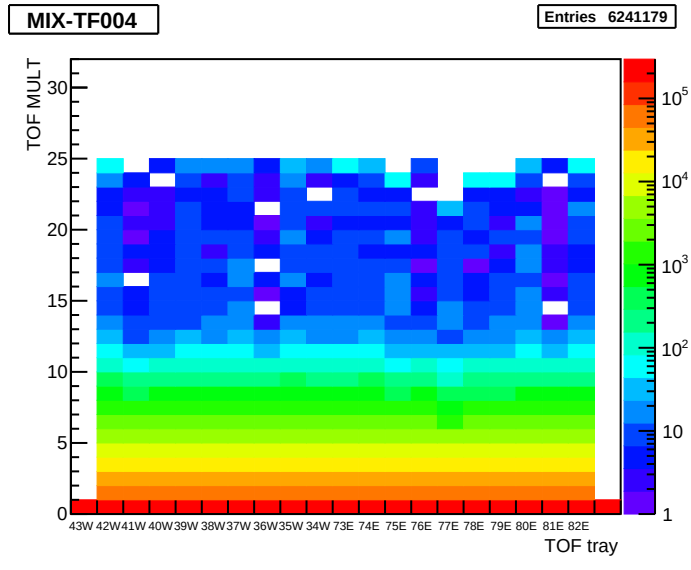

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

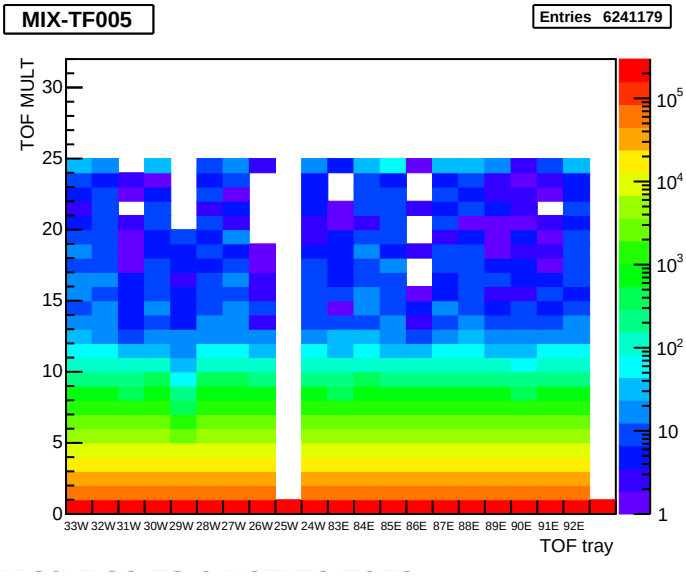

BunchId7Bit (TOFmult window)
Entries 10689
10^2
10
1
0 20 40 60 80 100 120

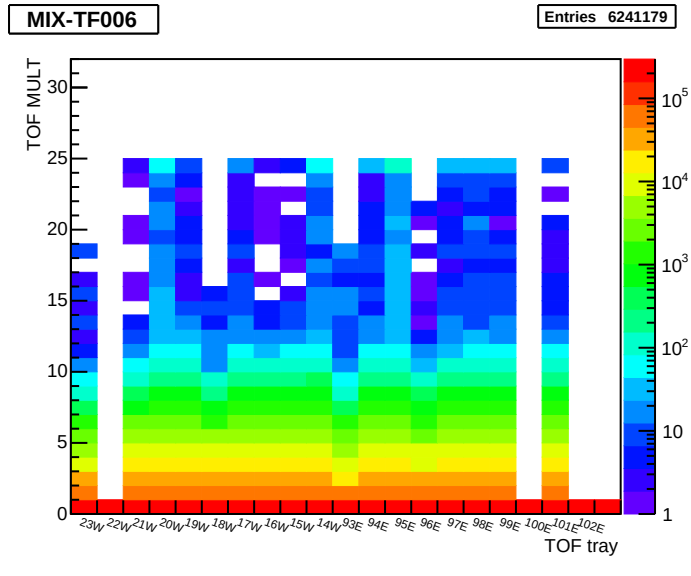

MIX-TF001
Entries 6241179
TOF MULT
TOF tray

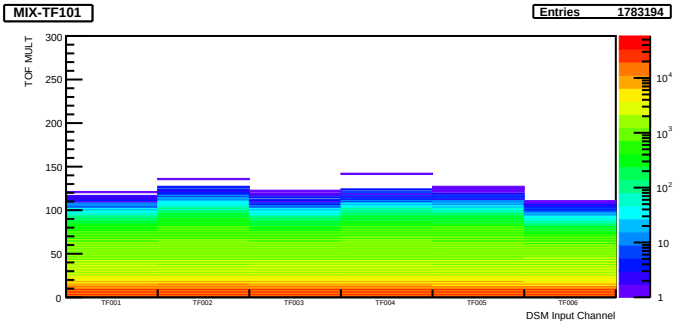

MIX-TF002
Entries 6241179
TOF MULT
TOF tray

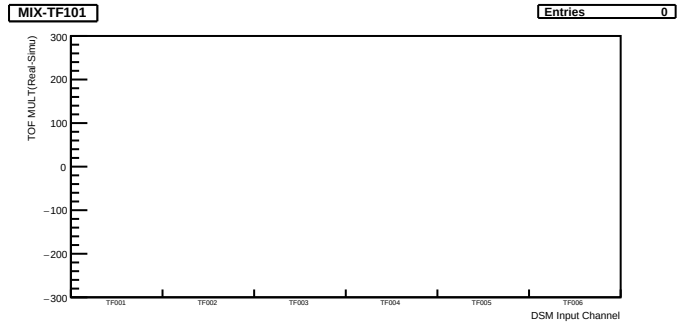

MIX-TF003
Entries 6241179
TOF MULT
TOF tray

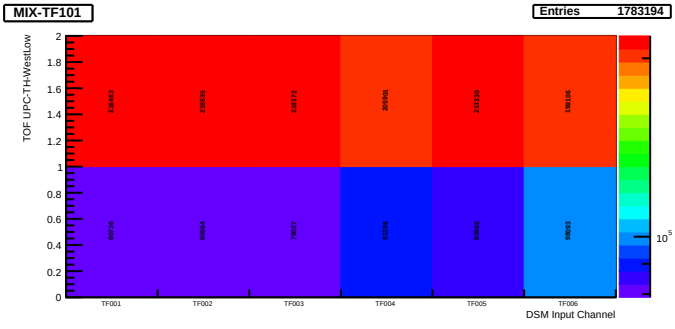

MIX-TF004
Entries 6241179
TOF MULT
TOF tray

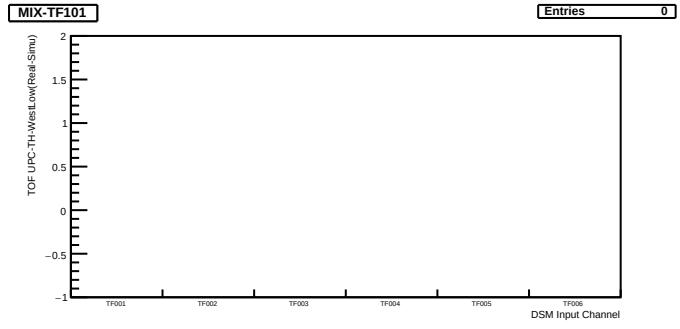

MIX-TF005
Entries 6241179
TOF MULT
TOF tray

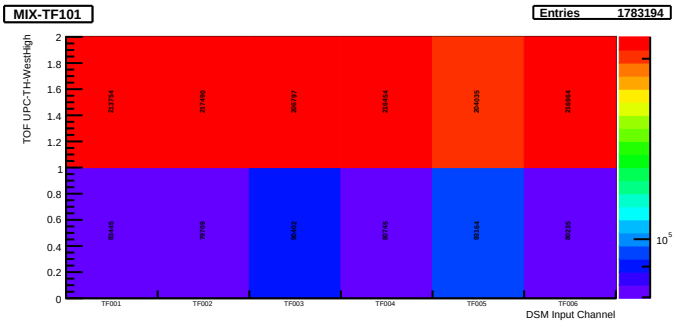

MIX-TF006
Entries 6241179
TOF MULT
TOF tray

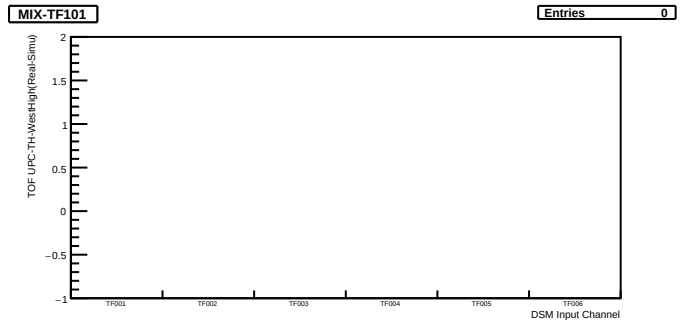

MIX-TF101
Entries 1783194
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

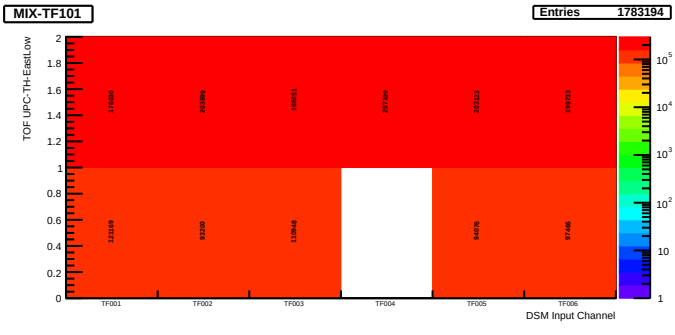

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

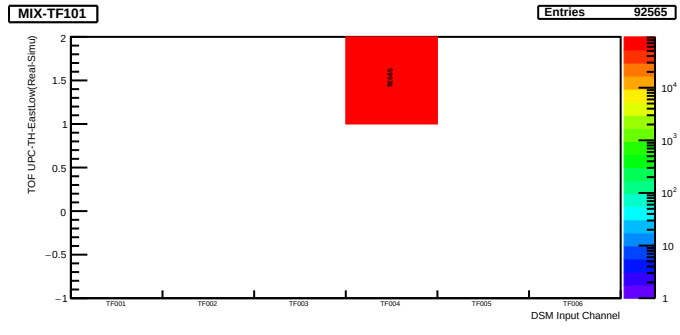

MIX-TF101
Entries 1783194
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

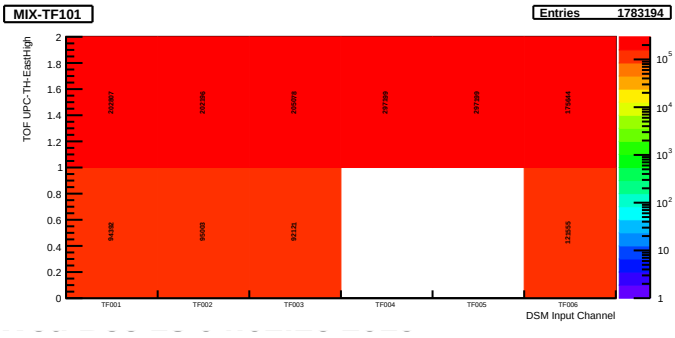

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

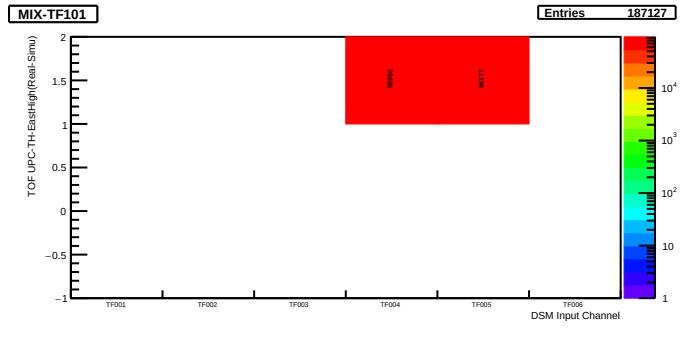

MIX-TF101
Entries 1783194
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

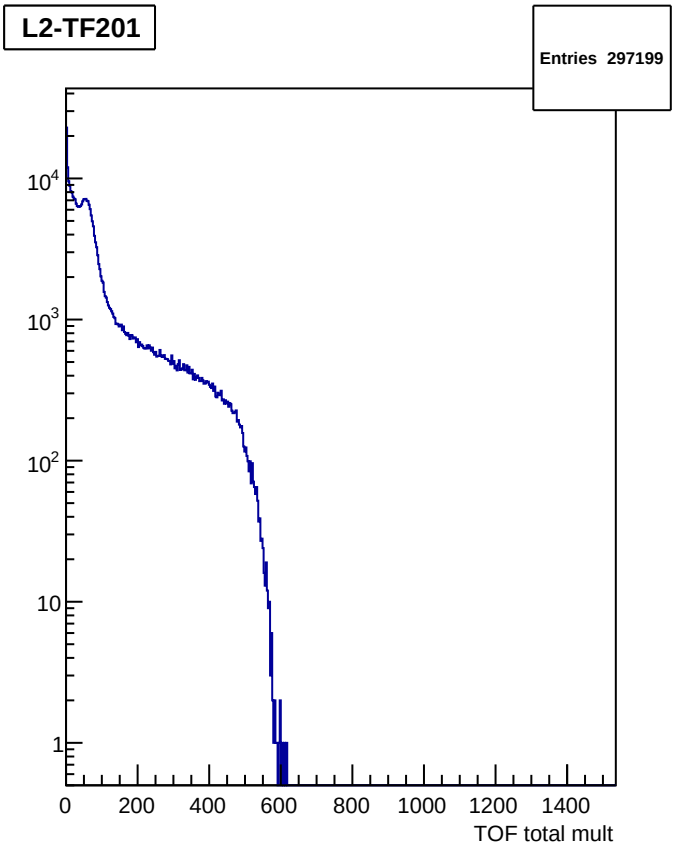

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

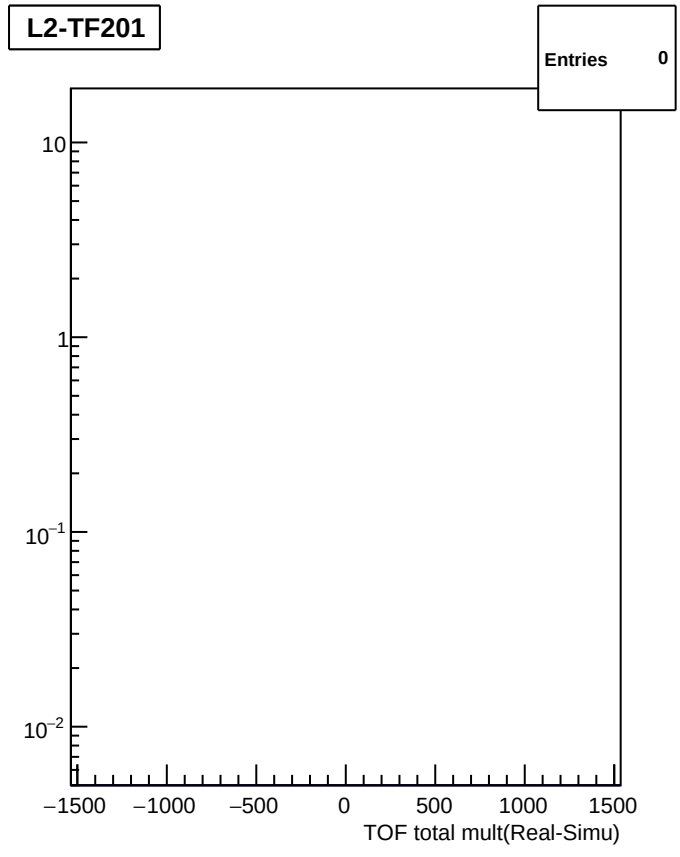

MIX-TF101
Entries 1783194
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

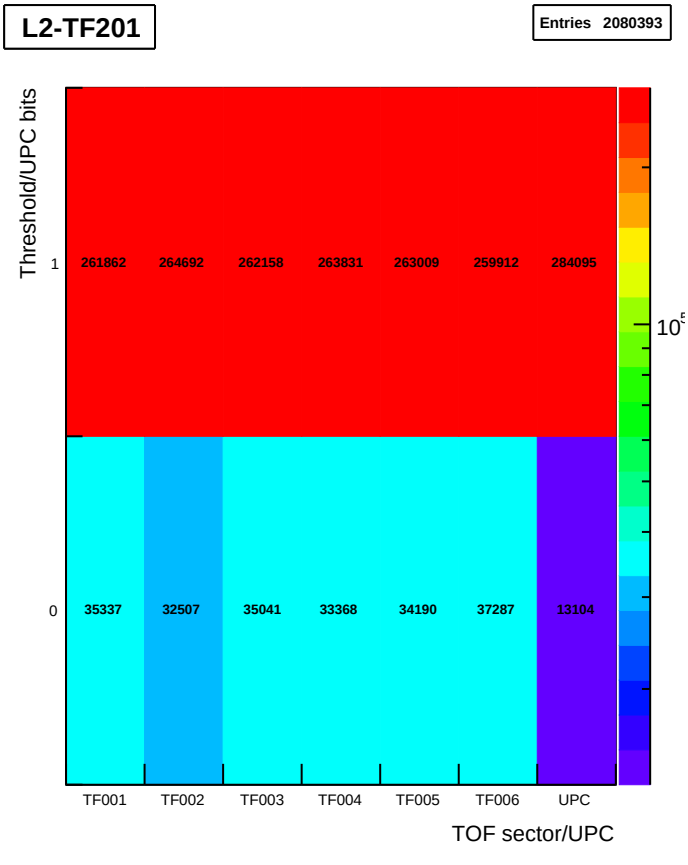

MIX-TF101
Entries 92565
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

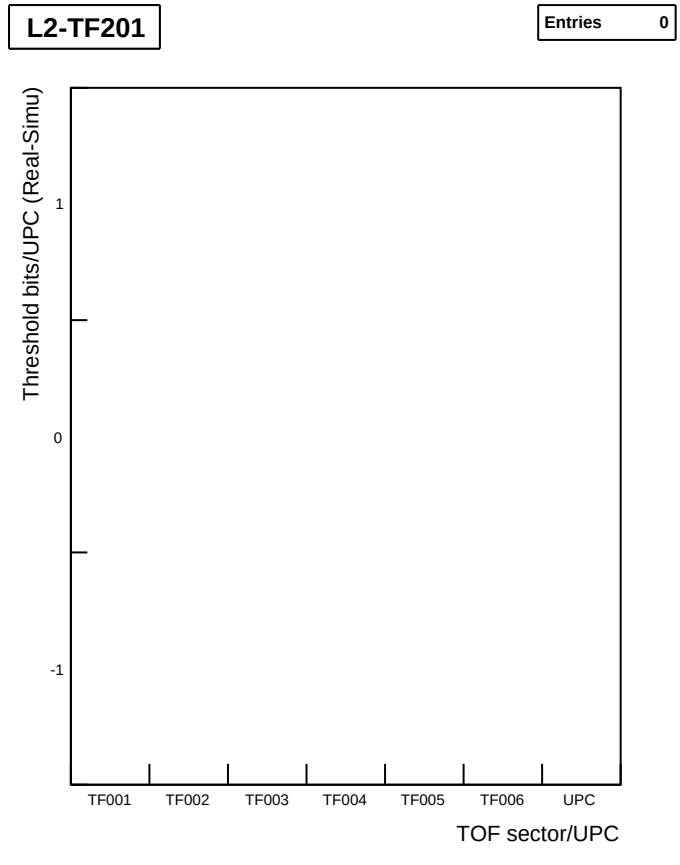

MIX-TF101
Entries 1783194
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

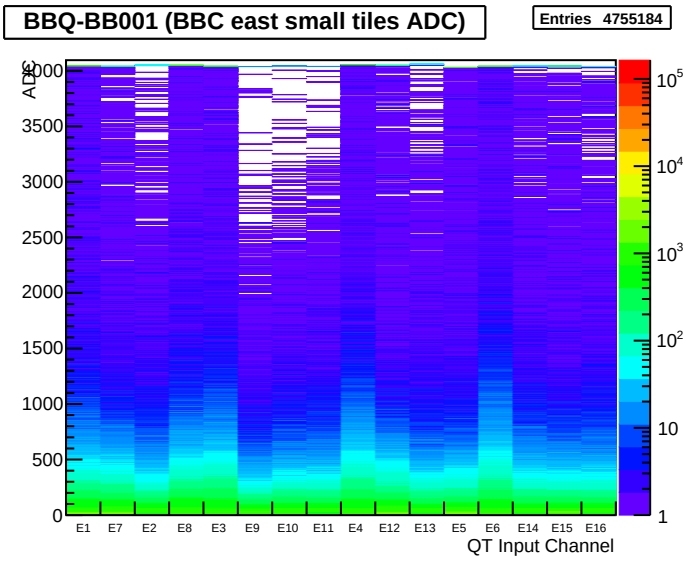

MIX-TF101
Entries 187127
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

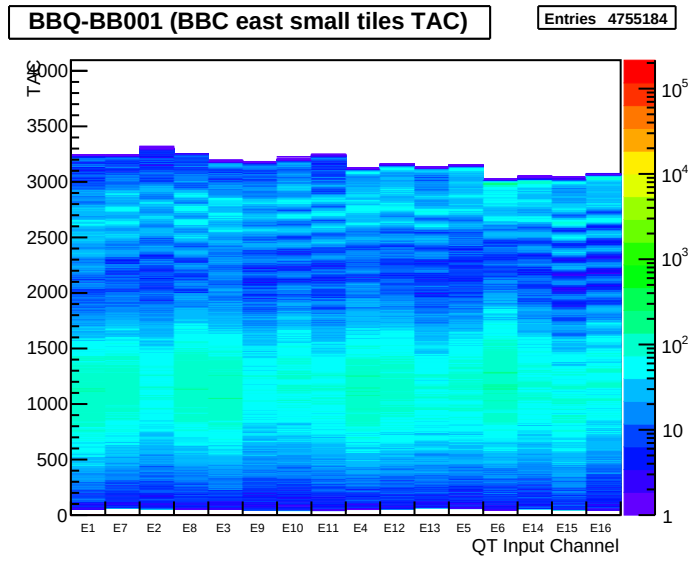

L2-TF201
Entries 297199
TOF total mult

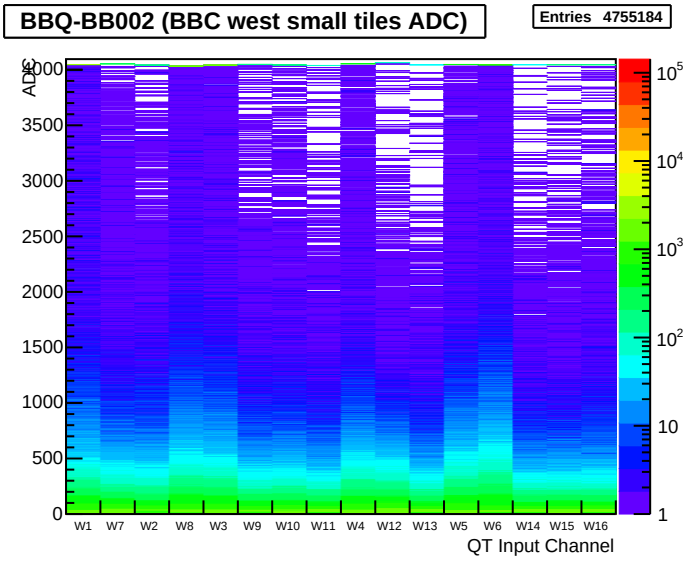

L2-TF201
Entries 0
TOF total mult(Real-Simu)

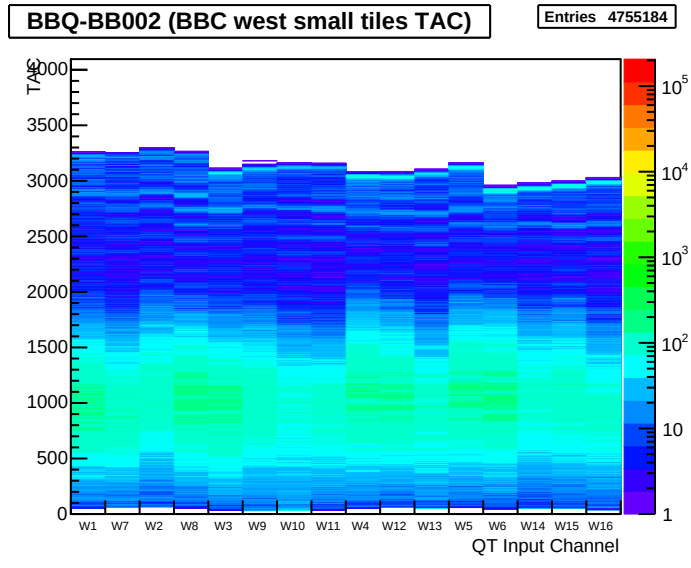

L2-TF201
Entries 2080393
Threshold/UPC bits
261862
264692
262158
263831
263009
259912
284095
35337
32507
35041
33368
34190
37287
13104
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

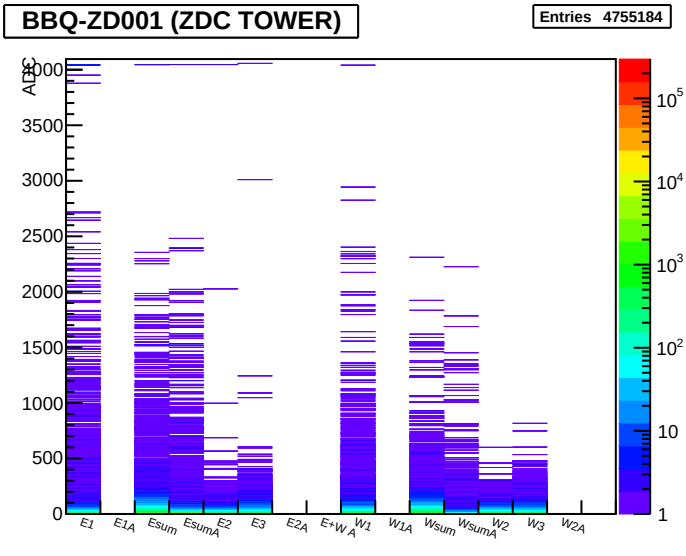

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

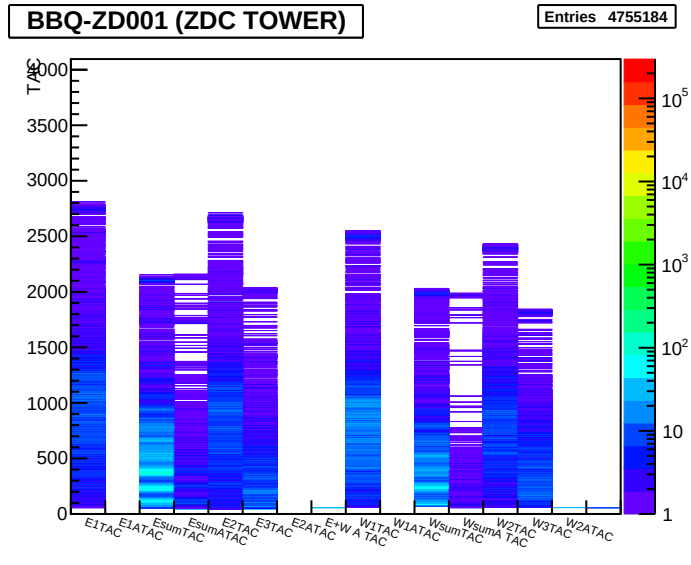

BBQ-BB001 (BBC east small tiles ADC)
Entries 4755184
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

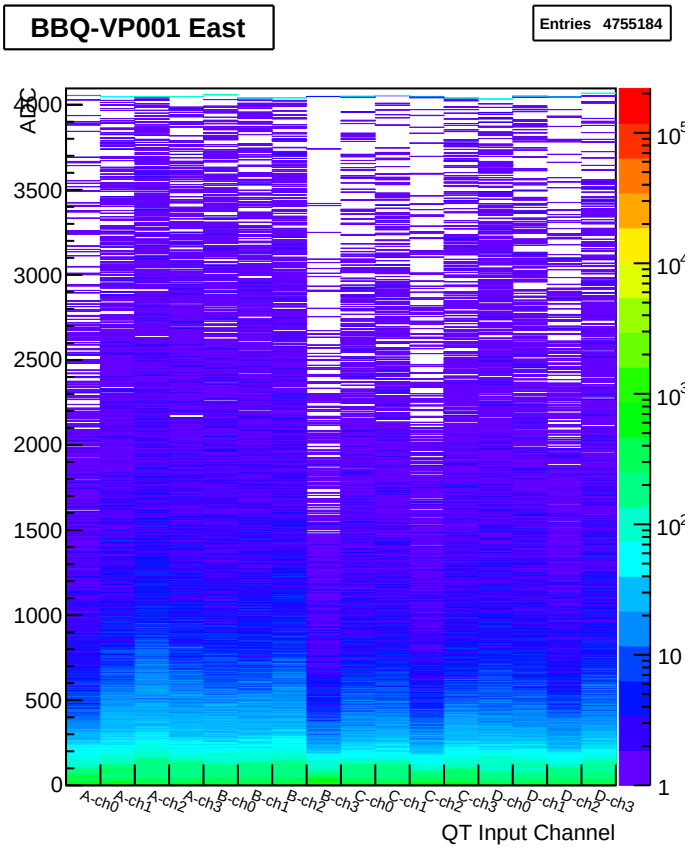

BBQ-BB001 (BBC east small tiles TAC)
Entries 4755184
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

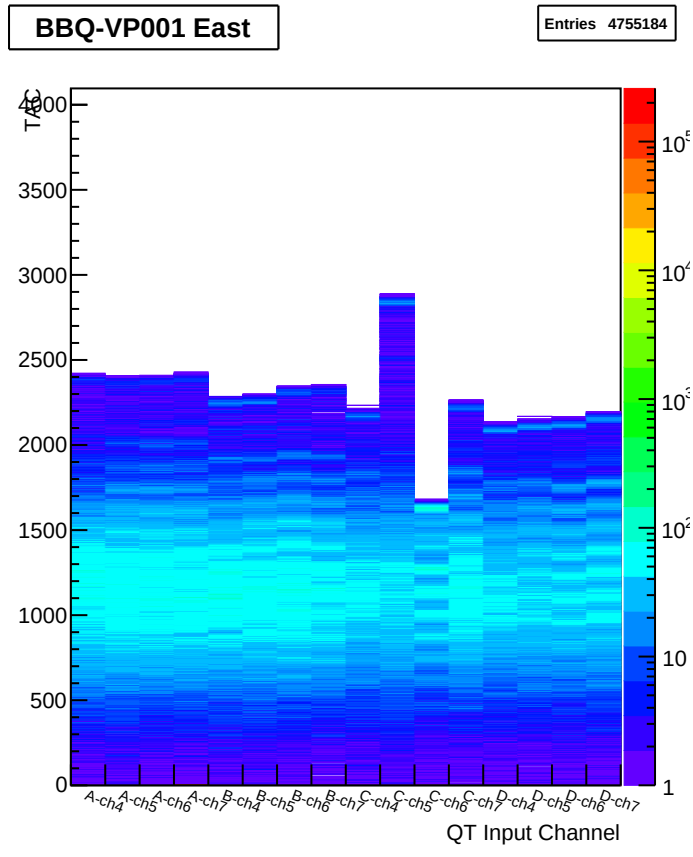

BBQ-BB002 (BBC west small tiles ADC)
Entries 4755184
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

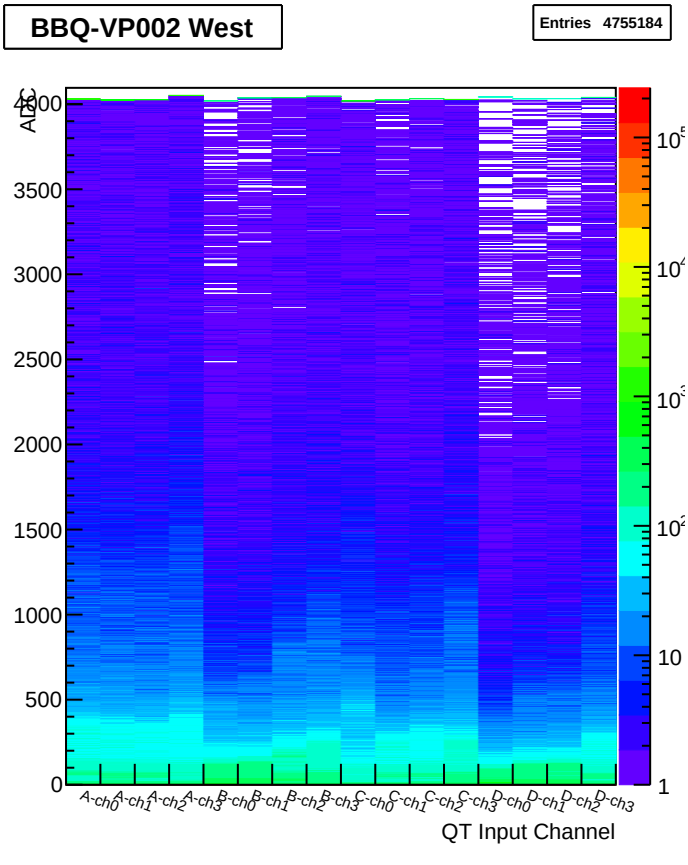

BBQ-BB002 (BBC west small tiles TAC)
Entries 4755184
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

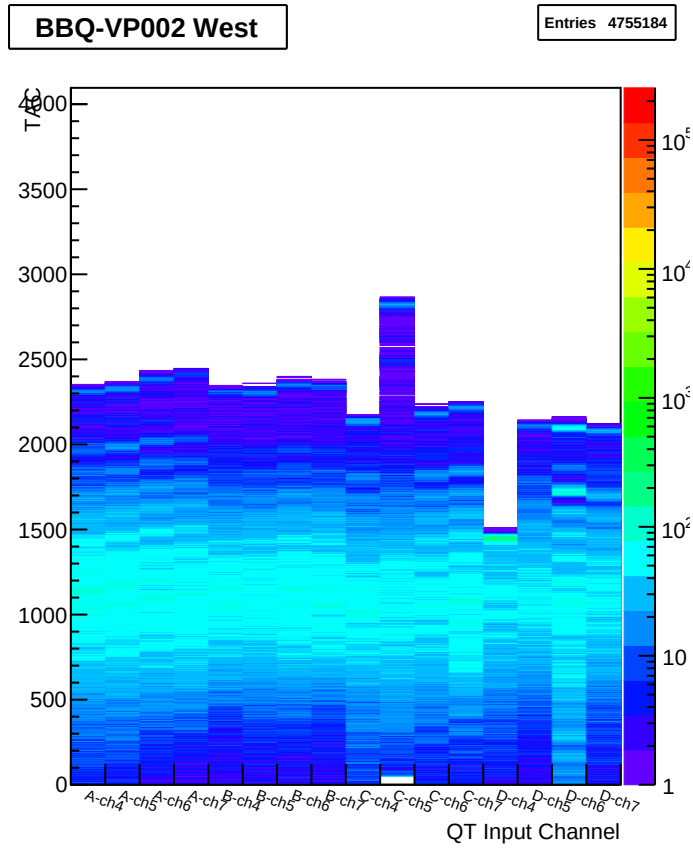

BBQ-ZD001 (ZDC TOWER)
Entries 4755184
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

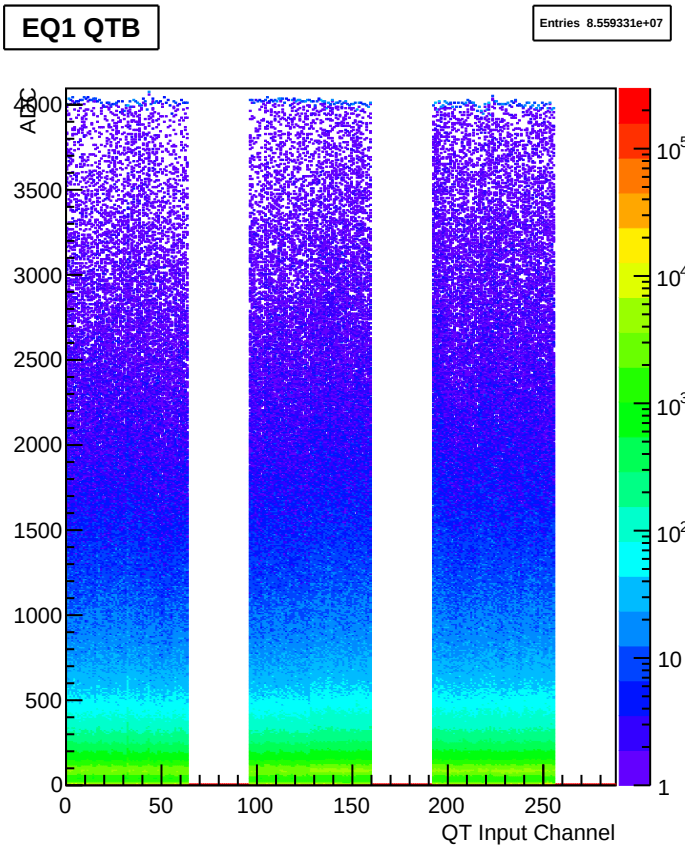

BBQ-ZD001 (ZDC TOWER)
Entries 4755184
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

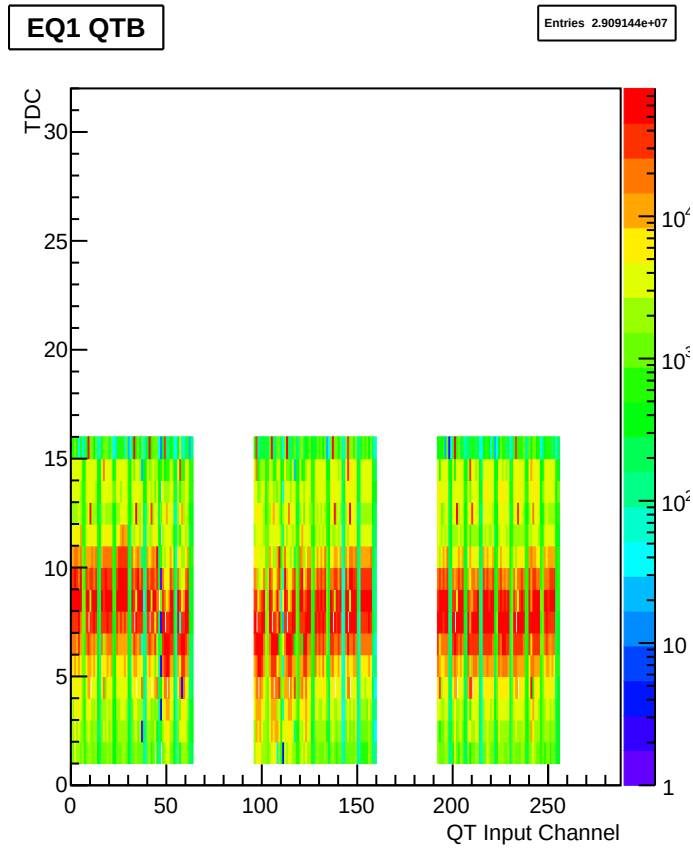

BBQ-VP001 East
Entries 4755184
ADC
QT Input Channel

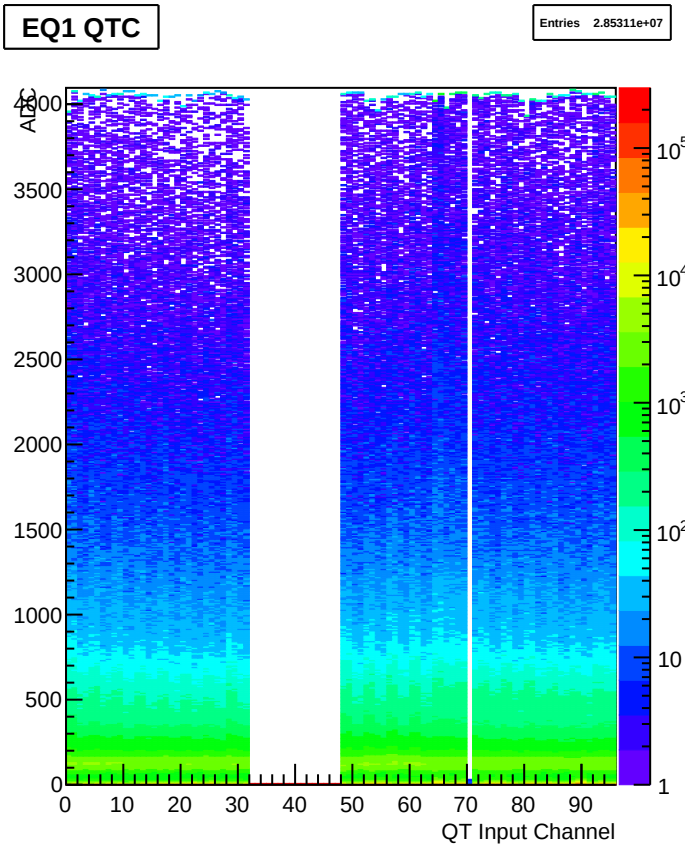

BBQ-VP001 East
Entries 4755184
TADC
QT Input Channel

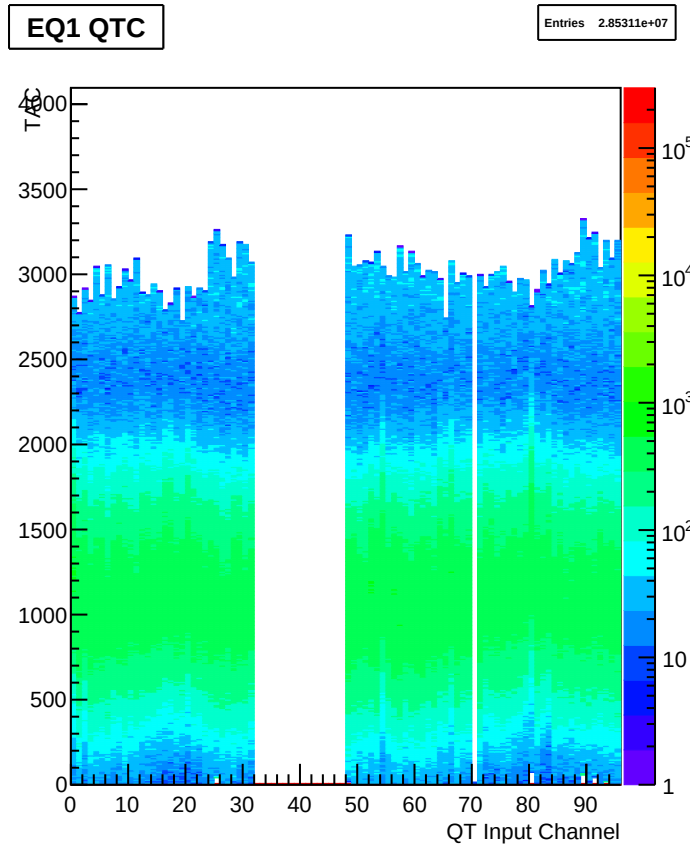

BBQ-VP002 West
Entries 4755184
ADC
QT Input Channel

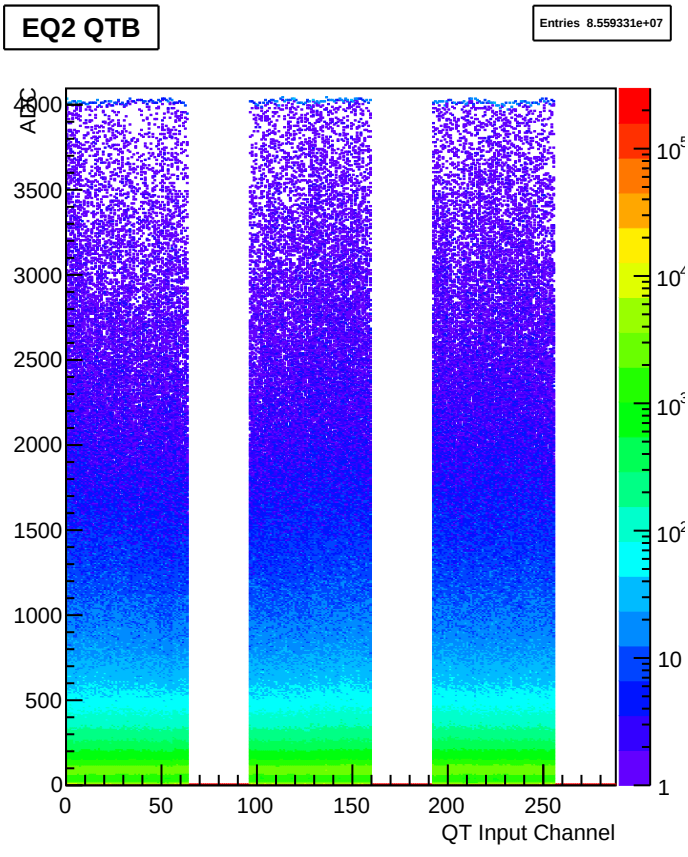

BBQ-VP002 West
Entries 4755184
TADC
QT Input Channel

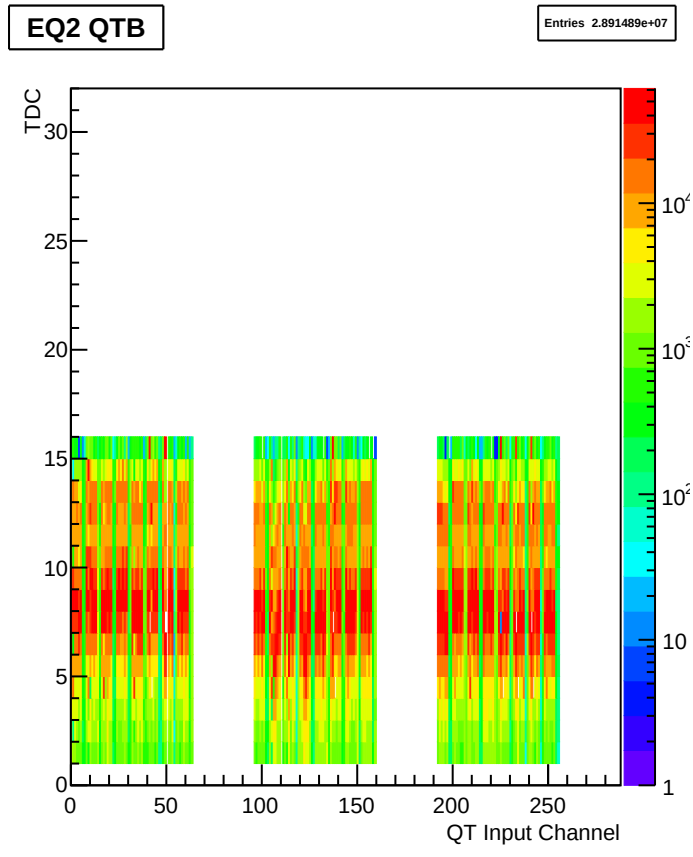

EQ1 QTB
Entries 8.559331e+07
ADC
QT Input Channel

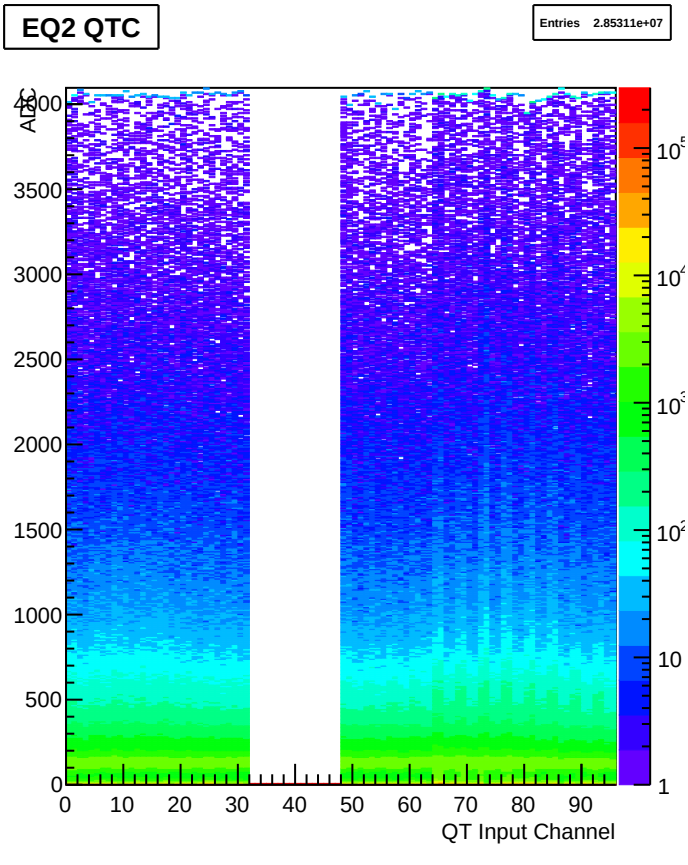

EQ1 QTB
Entries 2.909144e+07
TDC
QT Input Channel

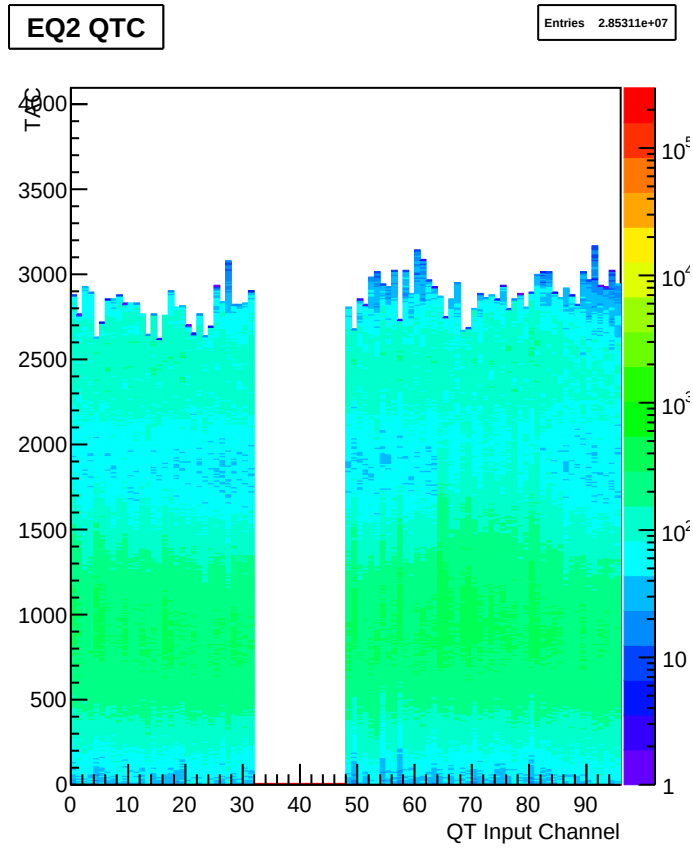

EQ1 QTC
Entries 2.85311e+07
ADC
QT Input Channel

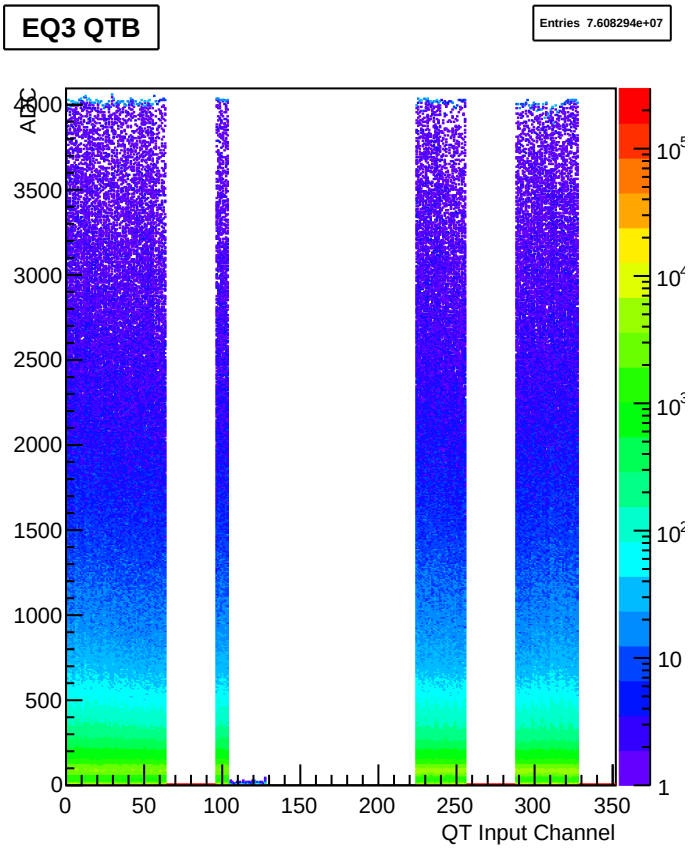

EQ1 QTC
Entries 2.85311e+07
TADC
QT Input Channel

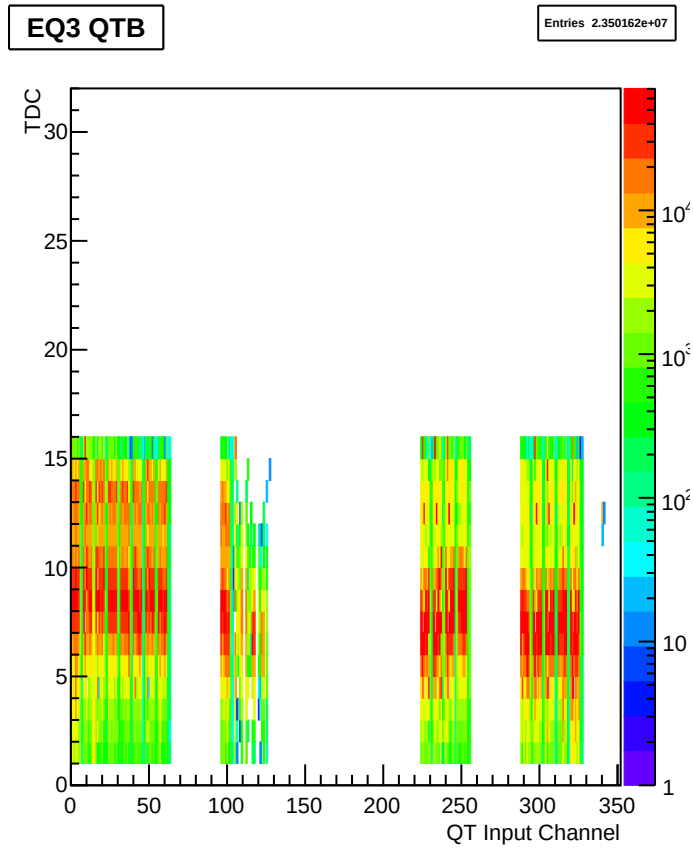

EQ2 QTB
Entries 8.559331e+07
ADC
QT Input Channel

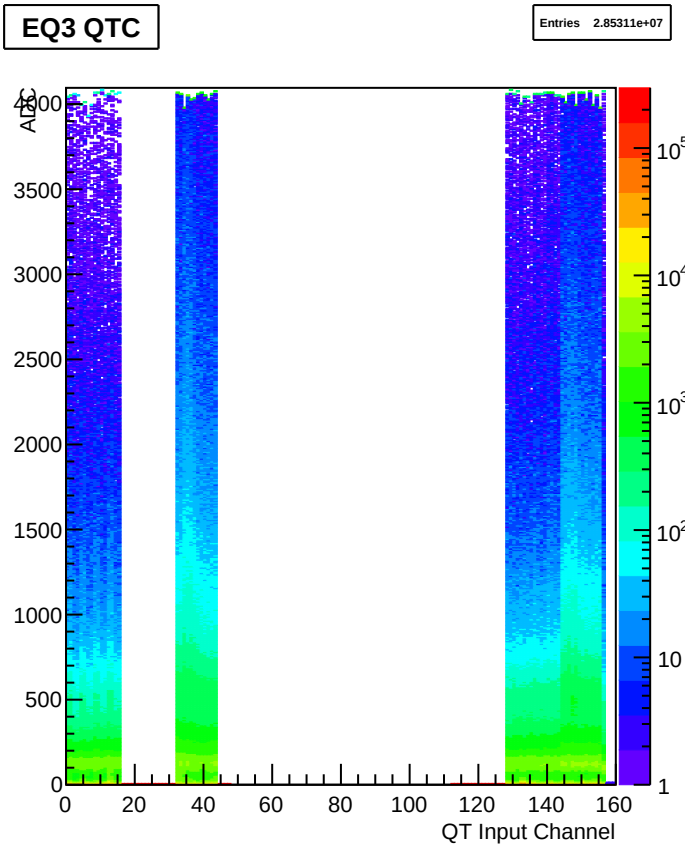

EQ2 QTB
Entries 2.891489e+07
TDC
QT Input Channel

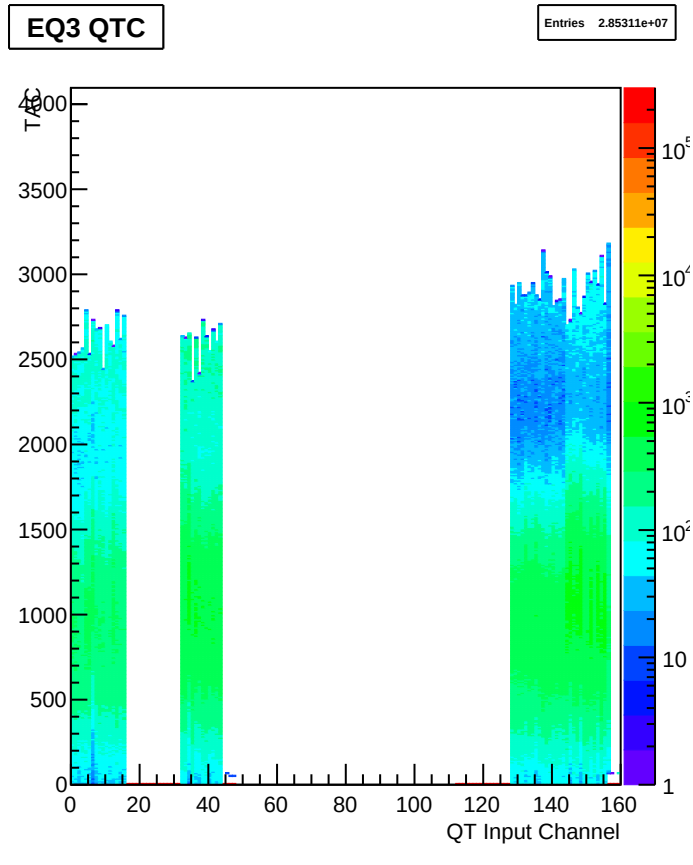

EQ2 QTC
Entries 2.85311e+07
ADC
QT Input Channel

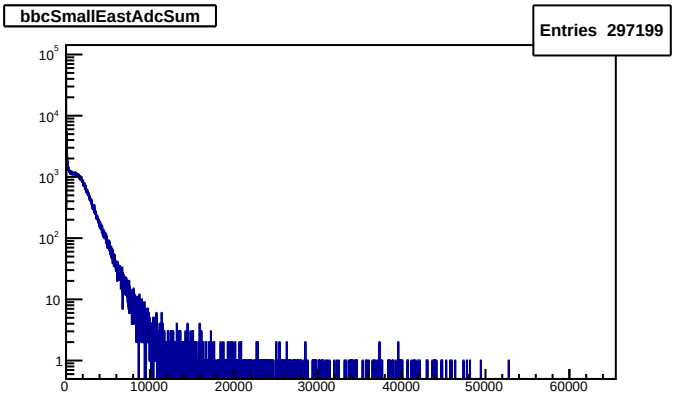

EQ2 QTC
Entries 2.85311e+07
TADC
QT Input Channel

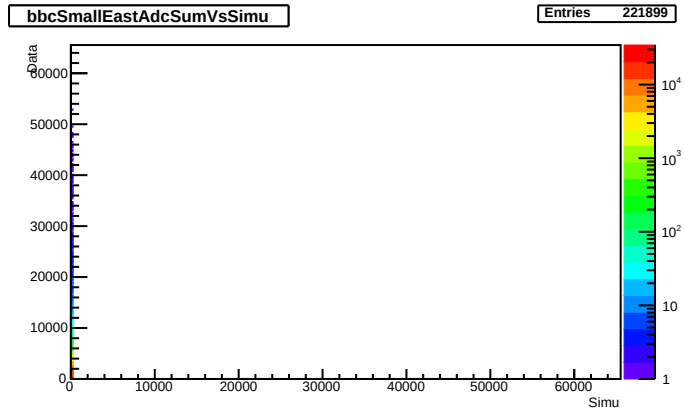

EQ3 QTB
Entries 7.608294e+07
ADC
QT Input Channel

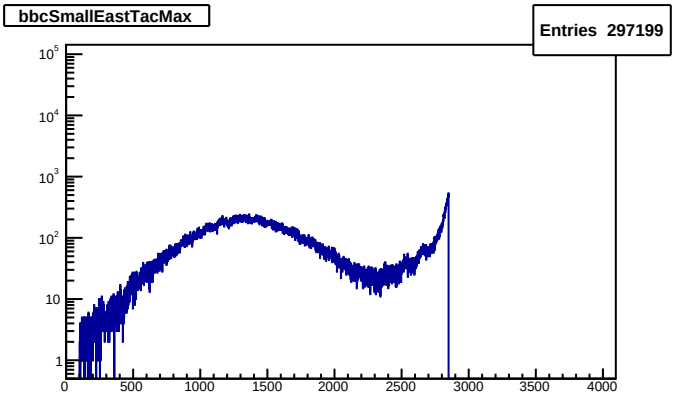

EQ3 QTB
Entries 2.350162e+07
TDC
QT Input Channel

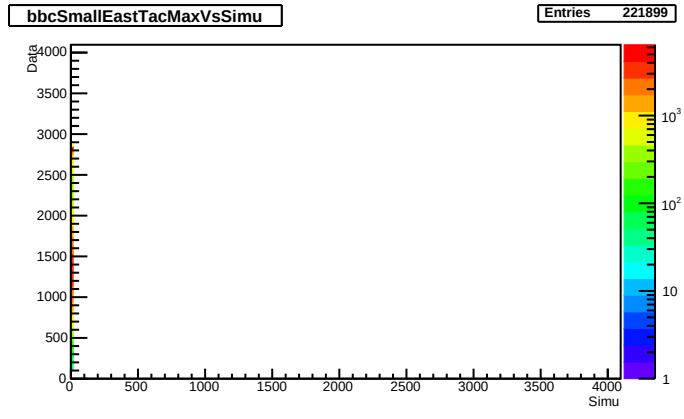

EQ3 QTC
Entries 2.85311e+07
ADC
QT Input Channel

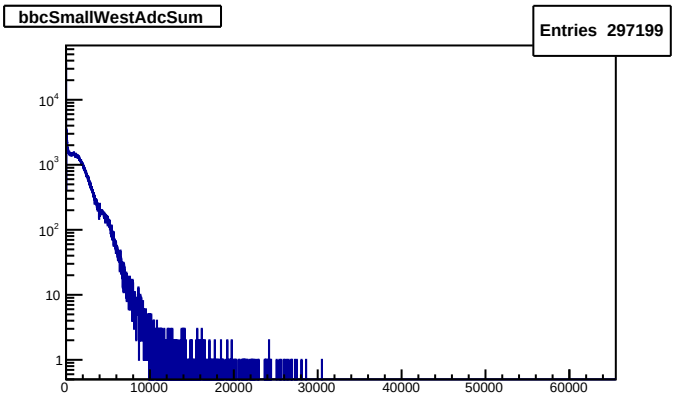

EQ3 QTC
Entries 2.85311e+07
TADC
QT Input Channel

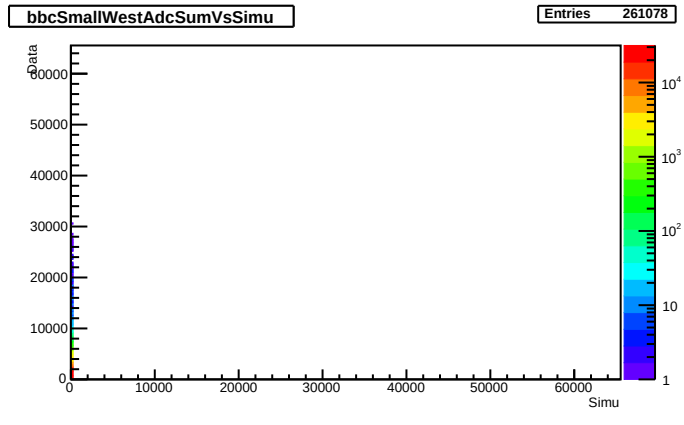

bbcSmallEastAdcSum
Entries 297199


bbcSmallEastAdcSumVsSimu
Entries 221899
Data
Simu


bbcSmallEastTacMax
Entries 297199


bbcSmallEastTacMaxVsSimu
Entries 221899
Data
Simu


bbcSmallWestAdcSum
Entries 297199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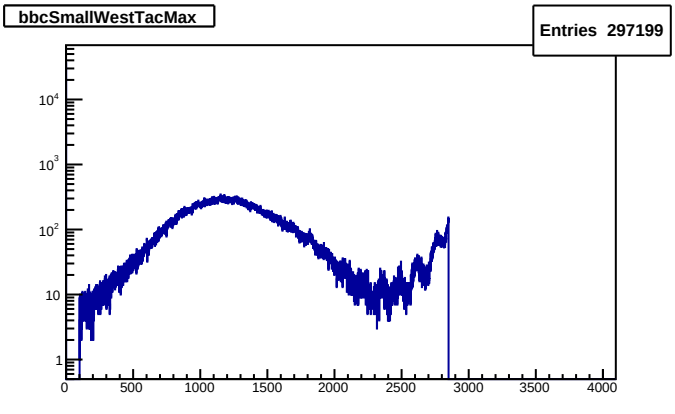
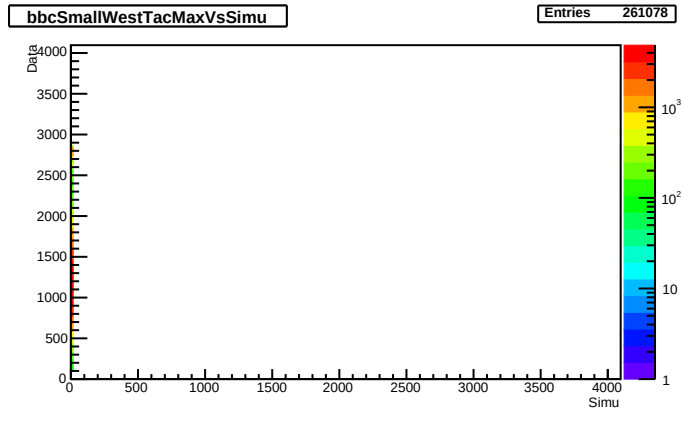
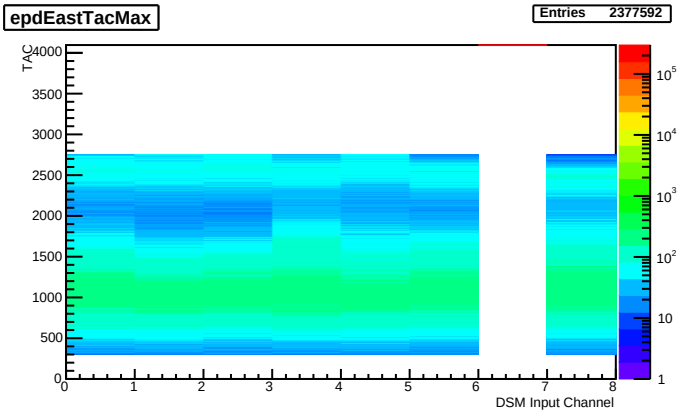
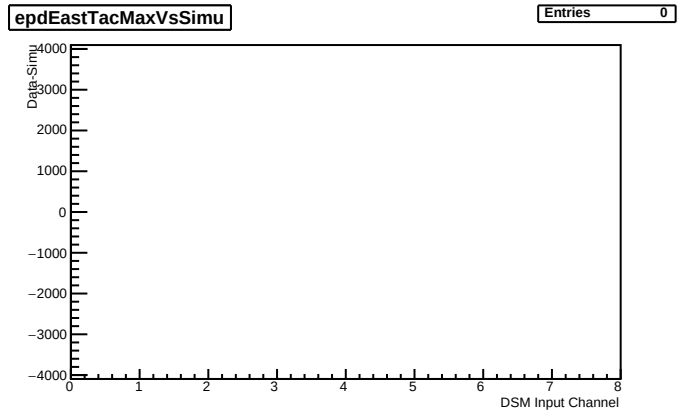
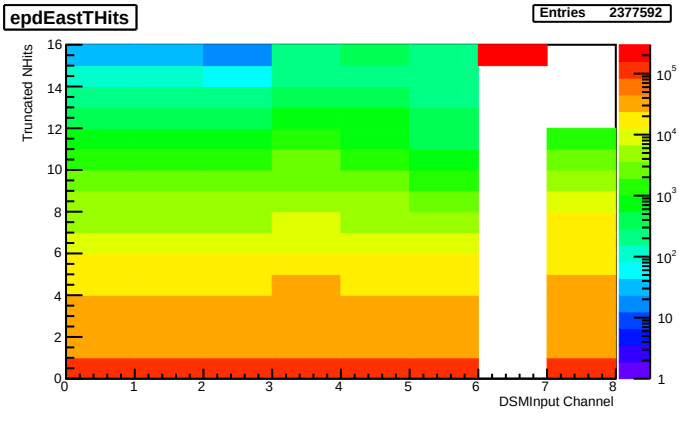
Entries 261078
Data
Simu

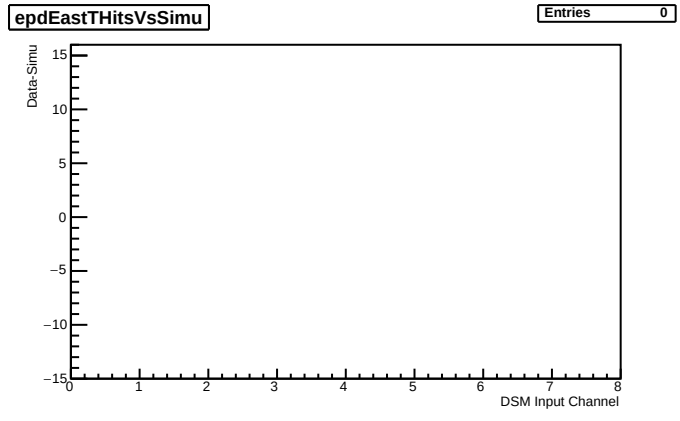

bbcSmallWestTacMax
Entries 297199


bbcSmallWestTacMaxVsSimu
Entries 261078
Data
Simu


epdEastTacMax
Entries 2377592
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2377592
Truncated NHits
DSMInput Channel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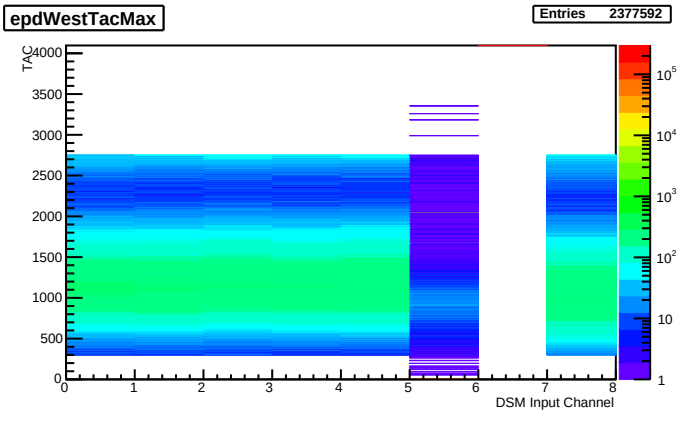
Data-Simu
DSM Input Channel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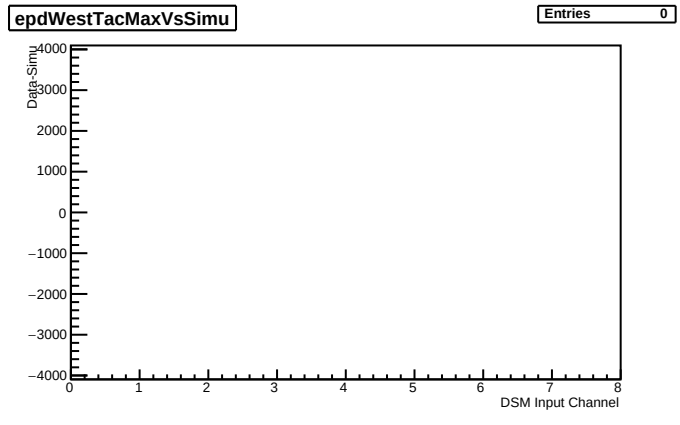
Entries 2377592
TAC
DSM Input Channel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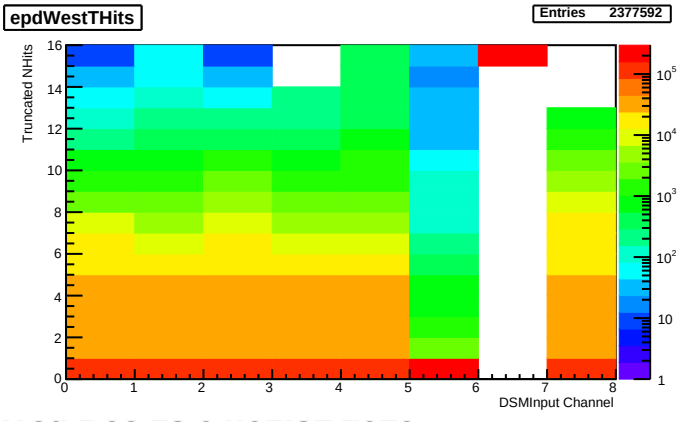
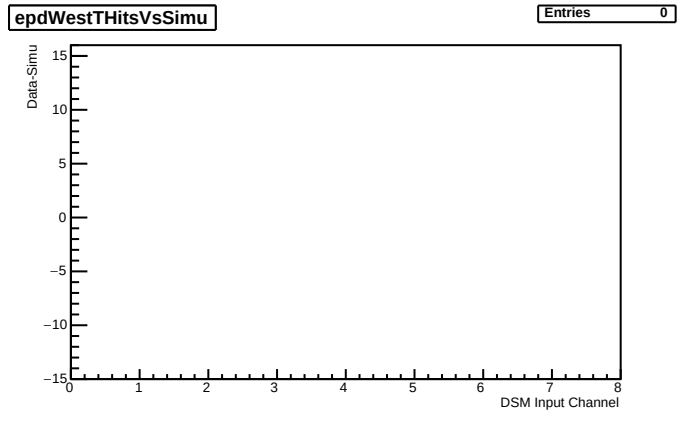
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2377592
Truncated NHits
DSMInput Channel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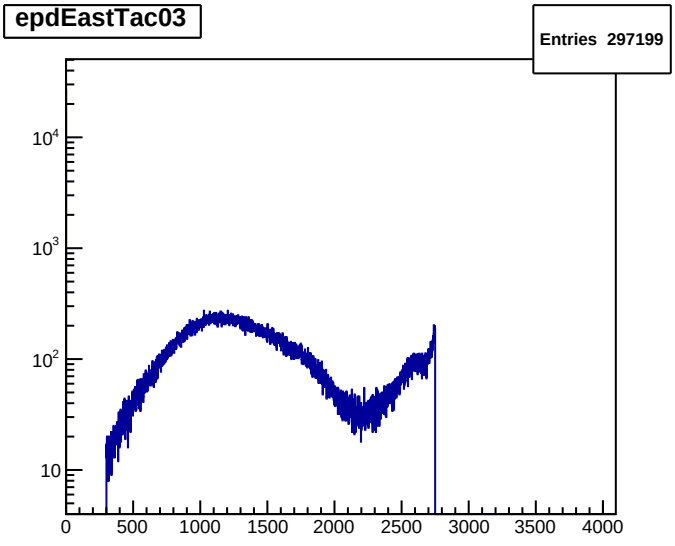
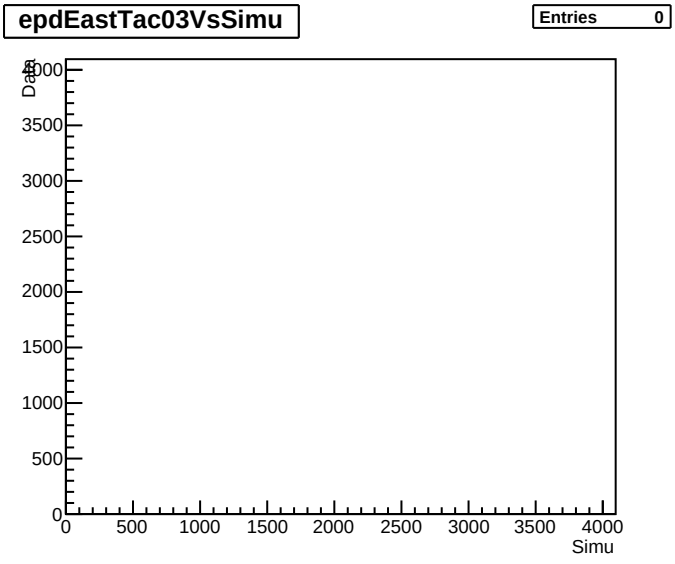
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 297199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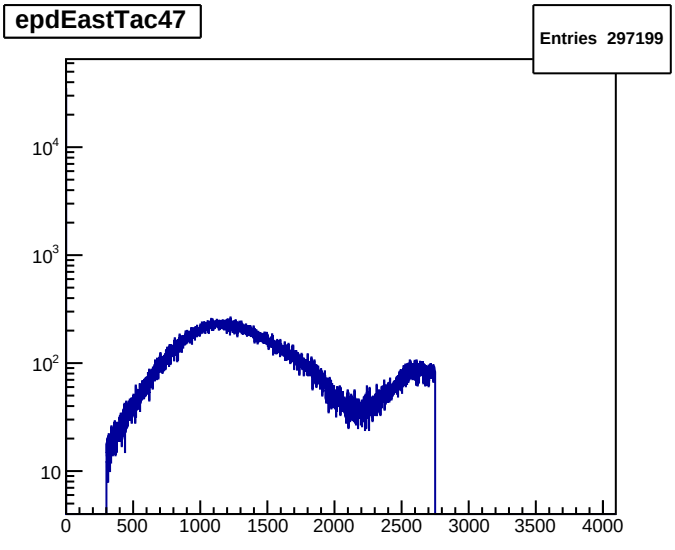
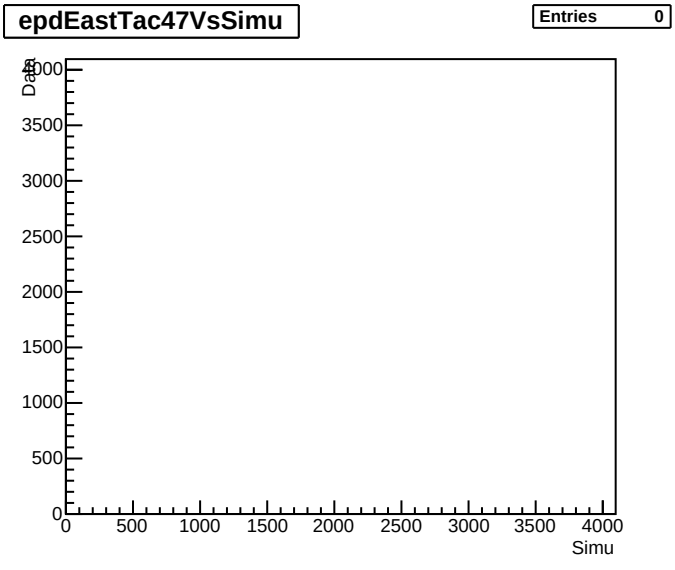
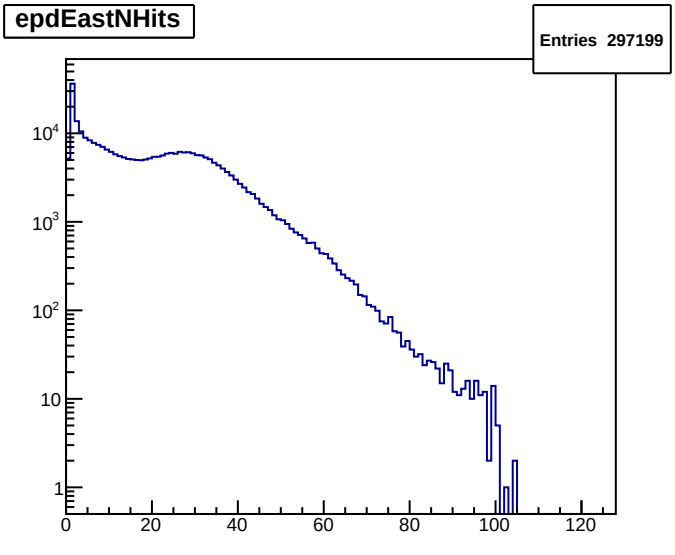
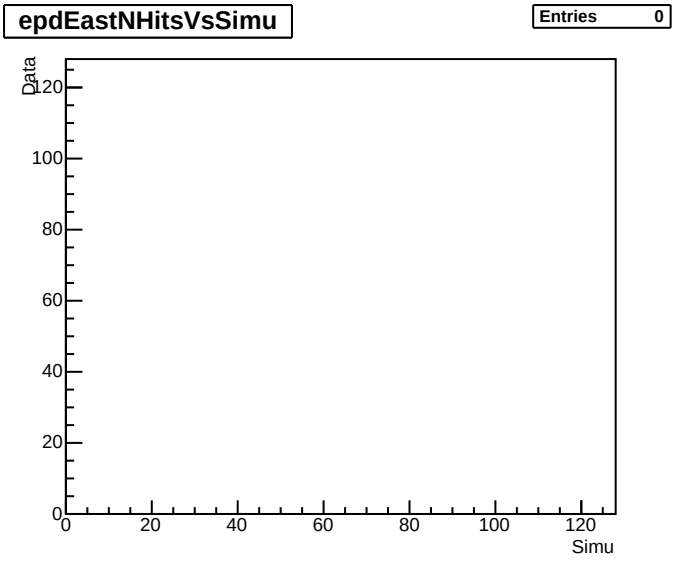
Entries 0
Data
Simu


epdEastTac47
Entries 297199


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 297199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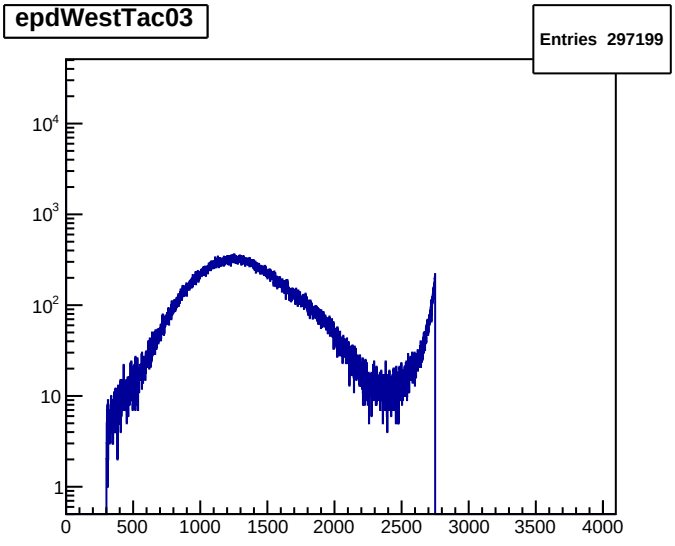
Entries 0
Data
Simu


epdWestTac03
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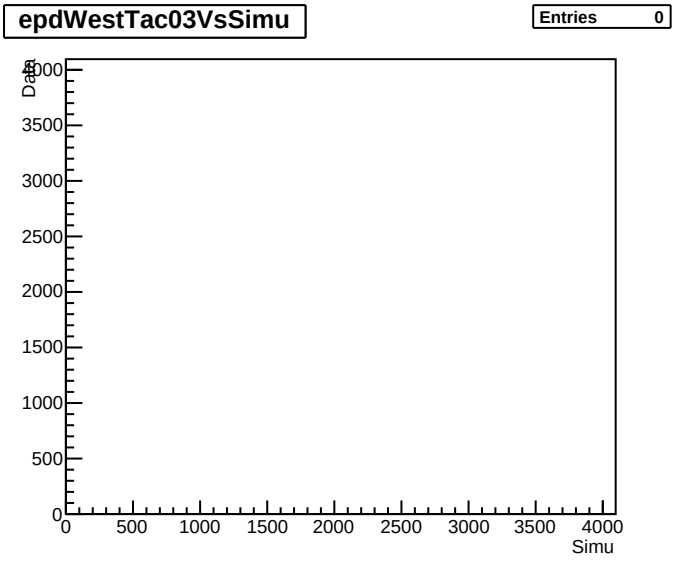
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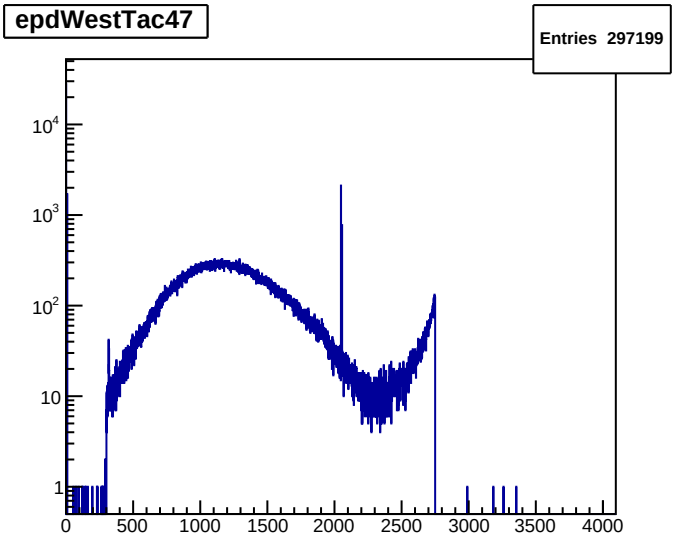
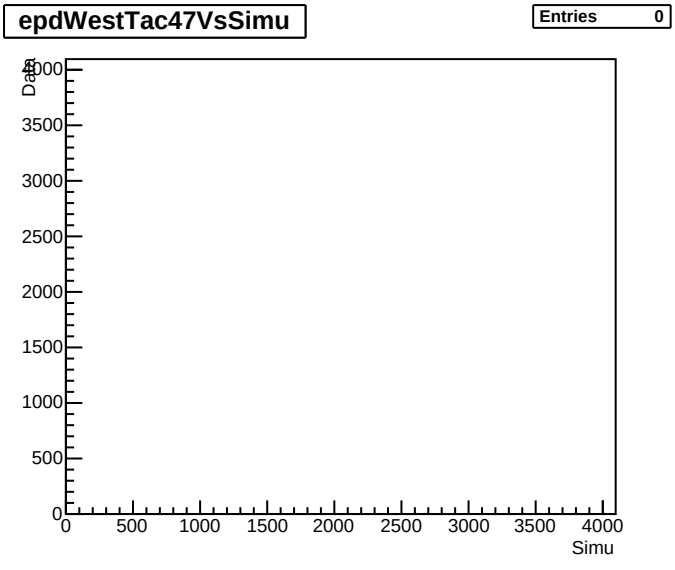
Entries 0
Data
Simu


epdWestTac47
Entries 297199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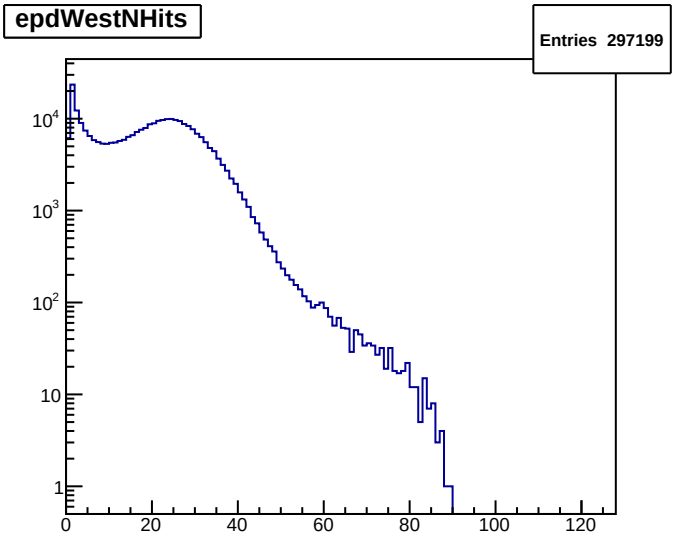
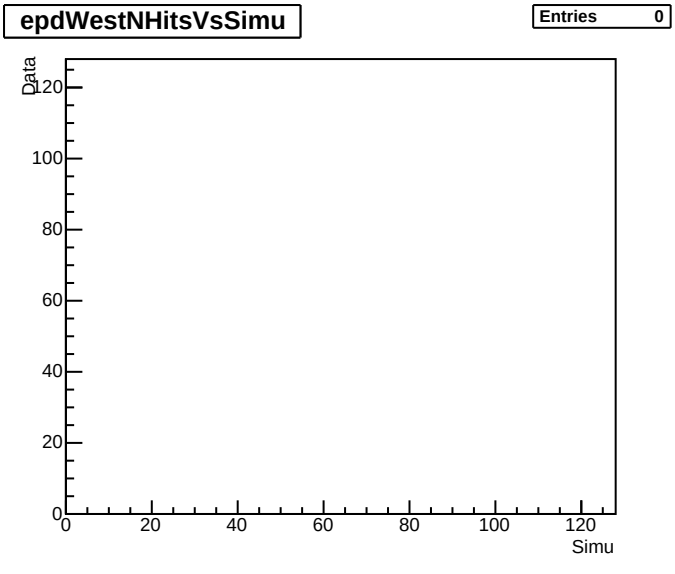
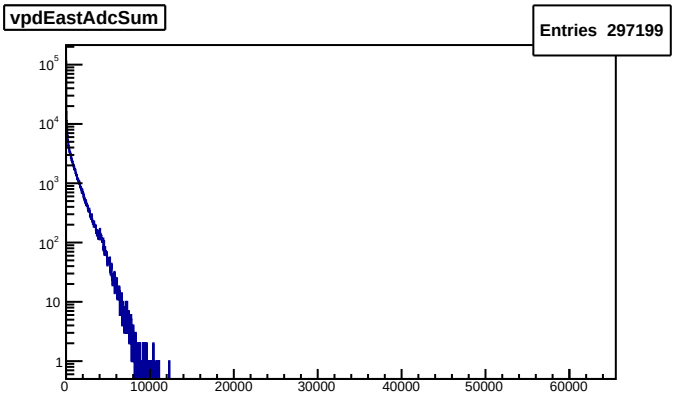
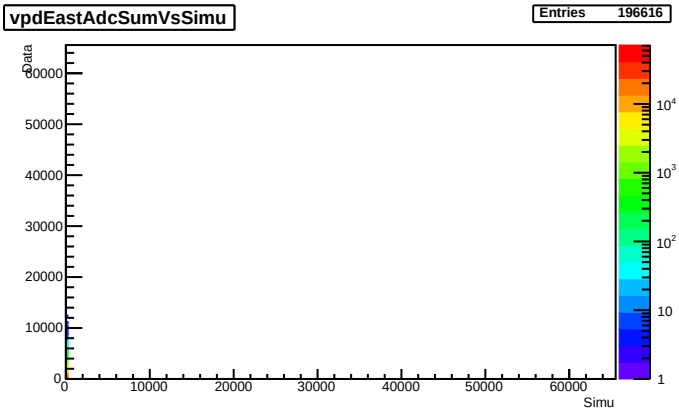
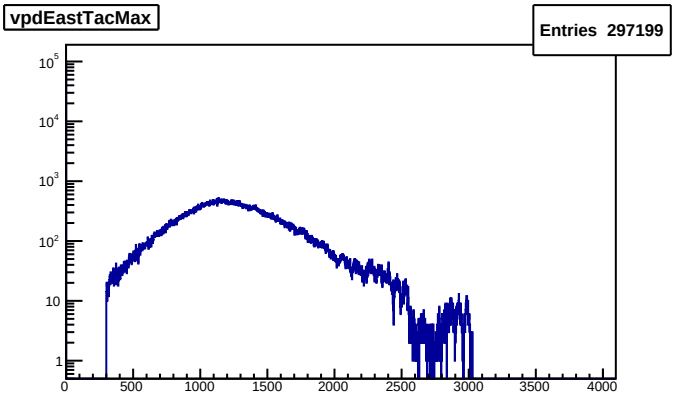
Entries 0
Data
Simu

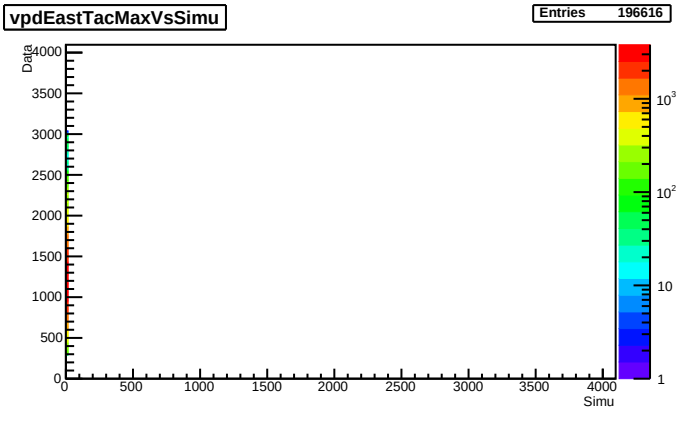

epdWestNHits
Entries 297199

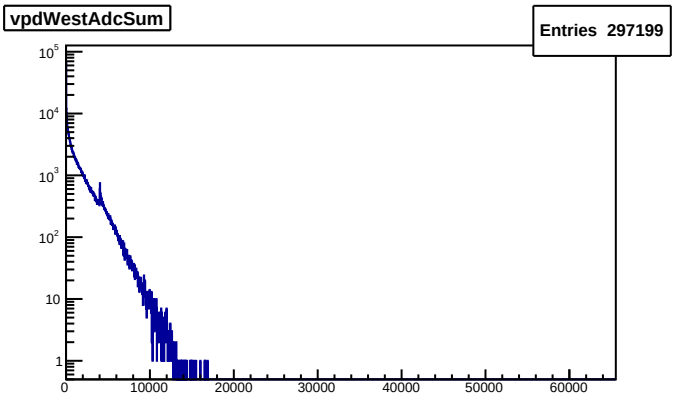

epdWestNHitsVsSimu
Entries 0
Data
Simu

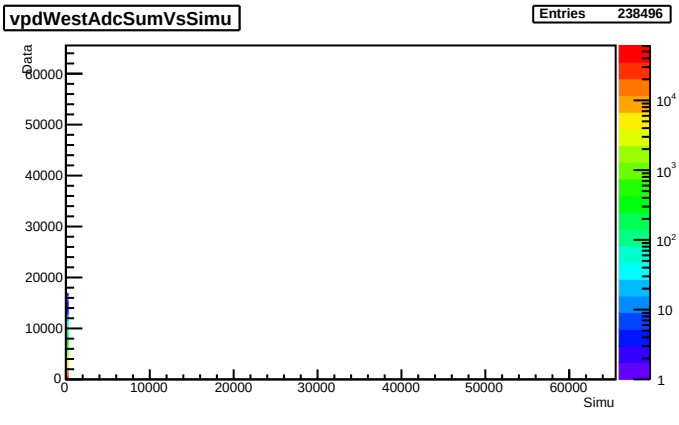

vpdEastAdcSum
Entries 297199

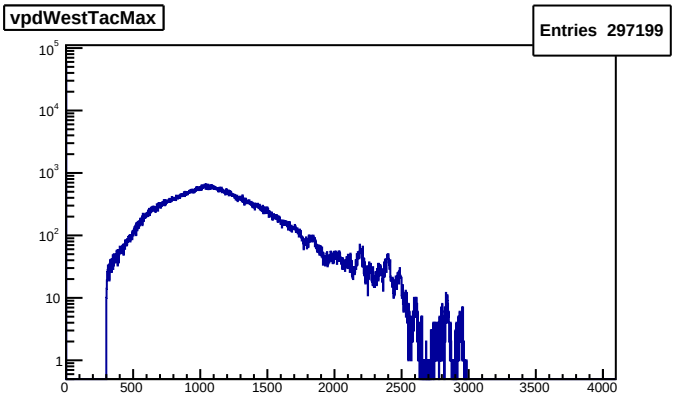

vpdEastAdcSumVsSimu
Entries 196616
Data
Simu

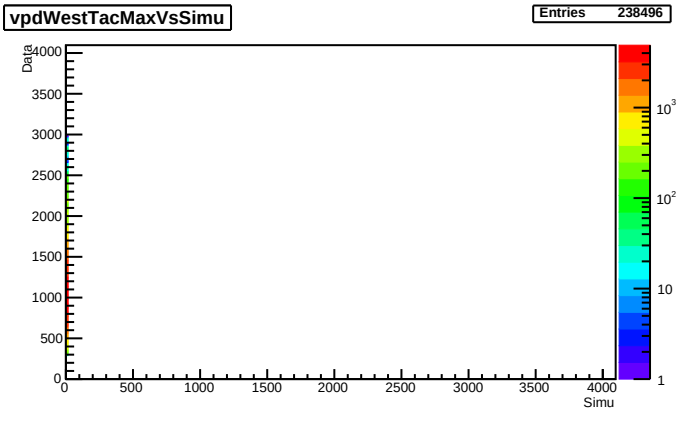

vpdEastTacMax
Entries 297199

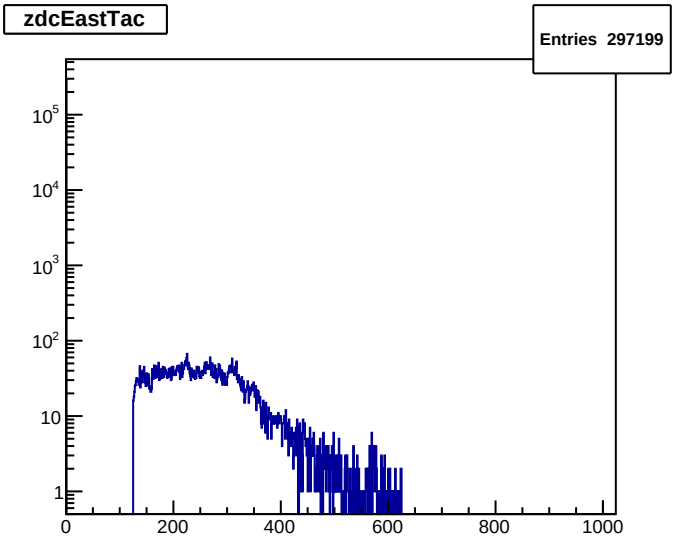

vpdEastTacMaxVsSimu
Entries 196616
Data
Simu

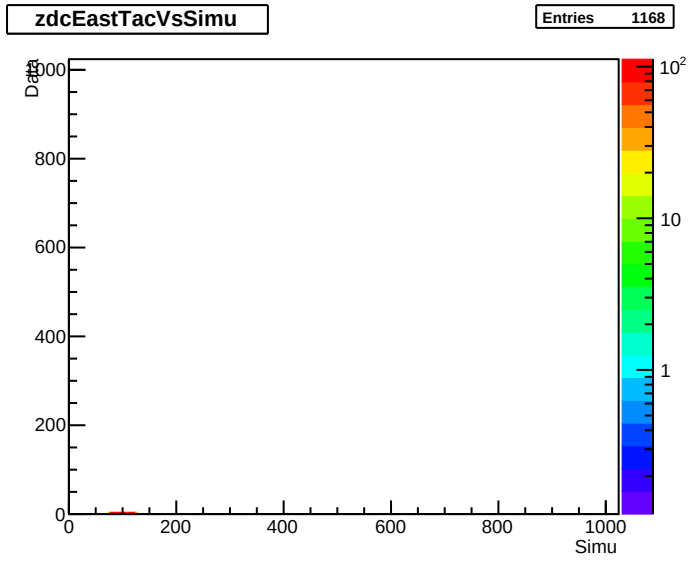

vpdWestAdcSum
Entries 297199

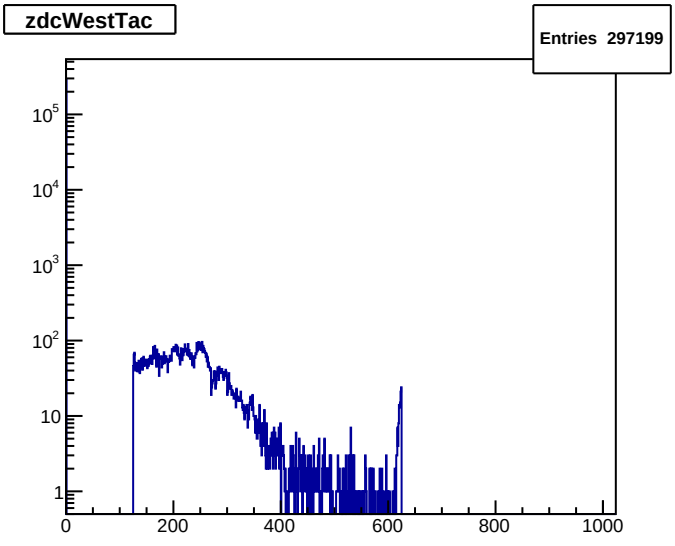

vpdWestAdcSumVsSimu
Entries 238496
Data
Simu

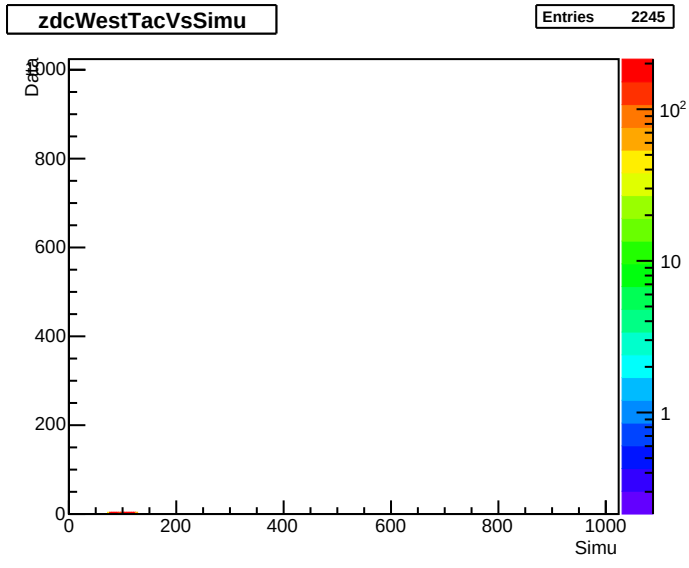

vpdWestTacMax
Entries 297199

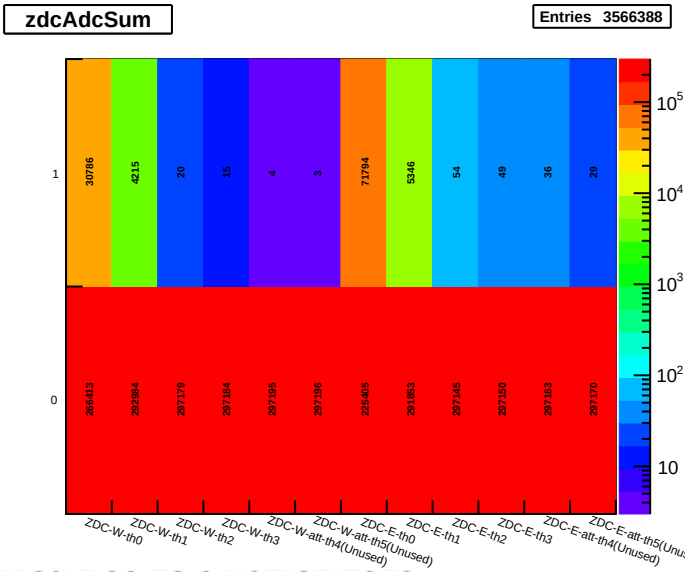

vpdWestTacMaxVsSimu
Entries 238496
Data
Simu

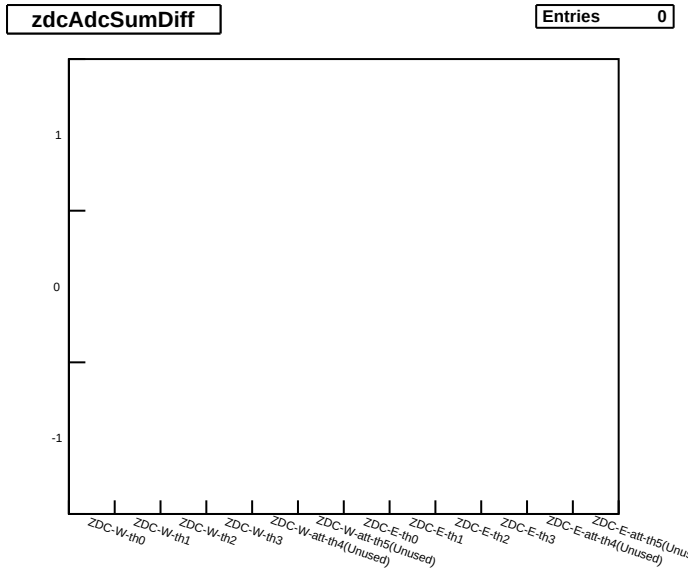

zdcEastTac
Entries 297199

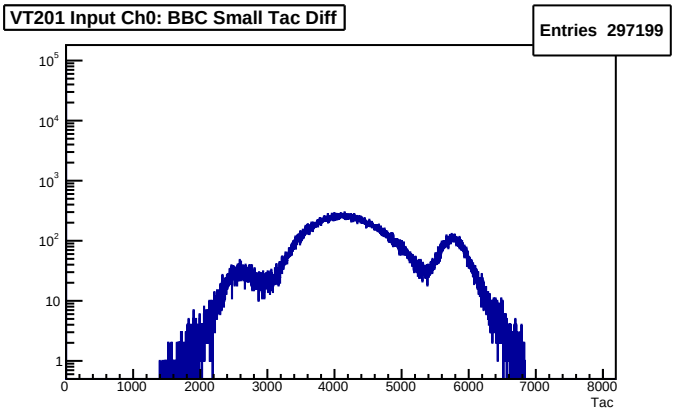

zdcEastTacVsSimu
Entries 1168
Data
Simu

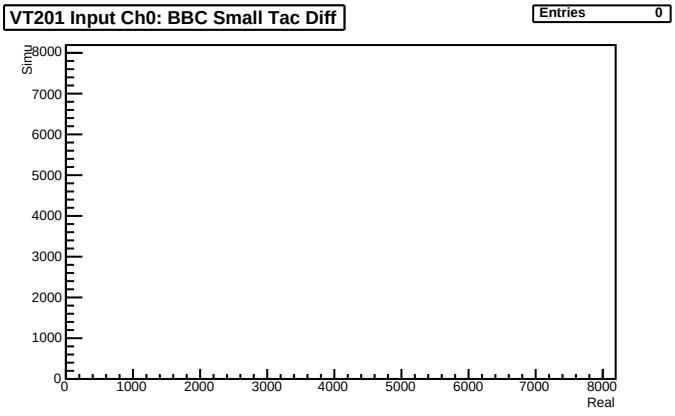

zdcWestTac
Entries 297199

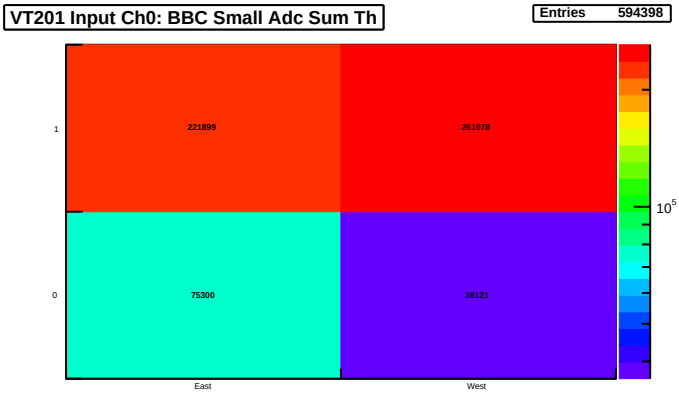

zdcWestTacVsSimu
Entries 2245
Data
Simu

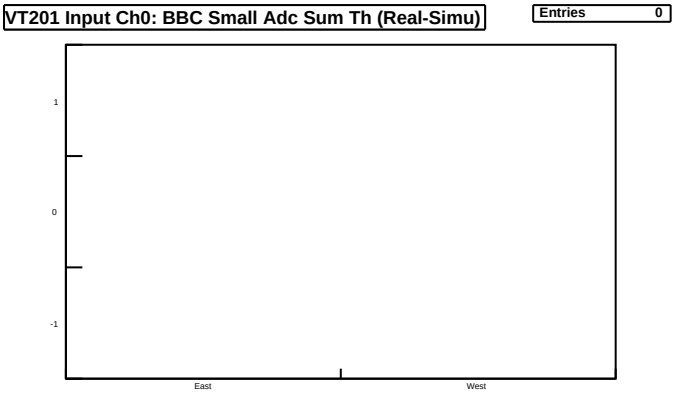

zdcAdcSum
Entries 3566388
30786
4215
20
15
4
3
71794
5346
54
49
36
29
266413
292984
297179
297184
297195
297196
225405
291853
297145
297150
297163
297170
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

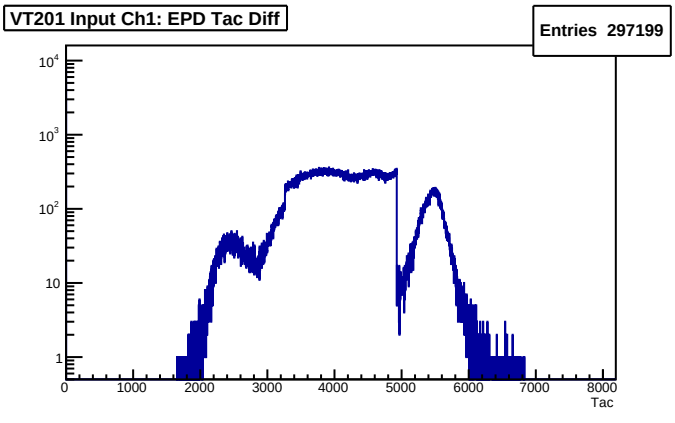

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

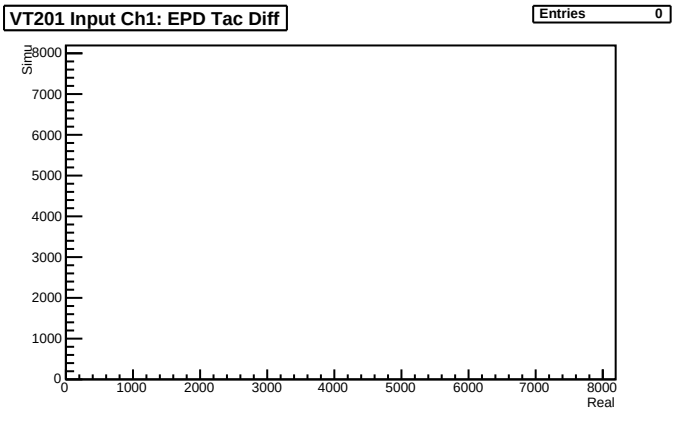

VT201 Input Ch0: BBC Small Tac Diff
Entries 297199
Tac

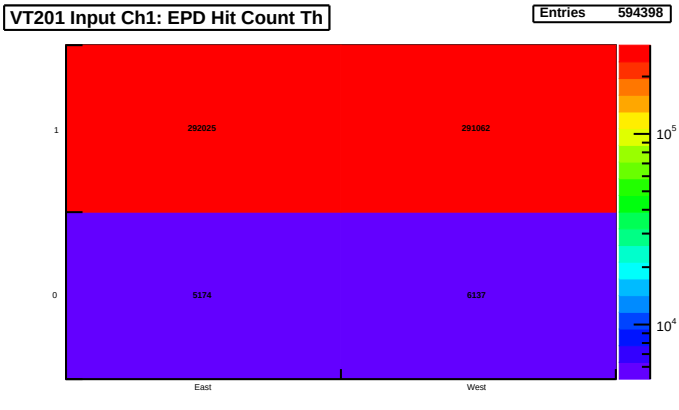

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

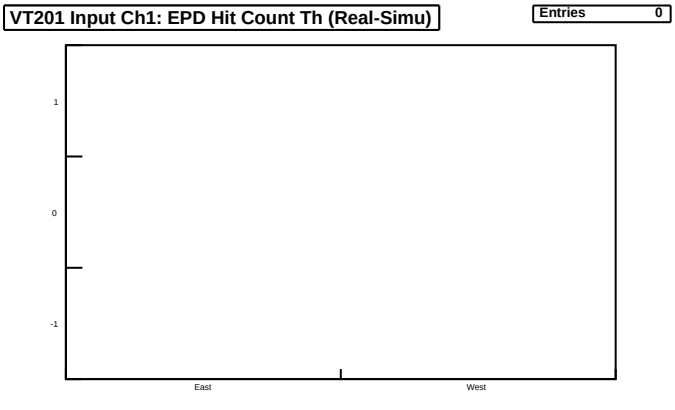

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 594398
221899
261078
75300
36121
East
West

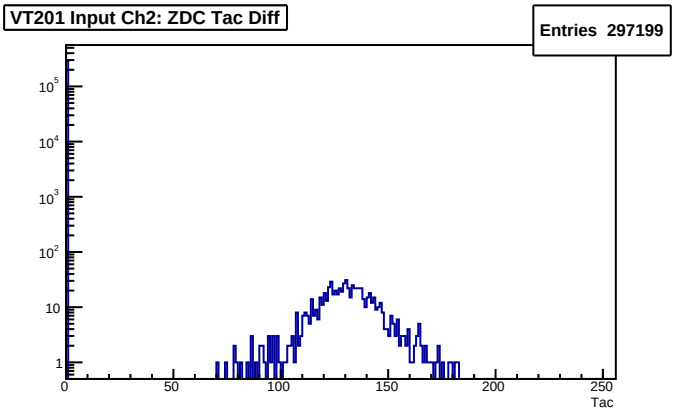

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

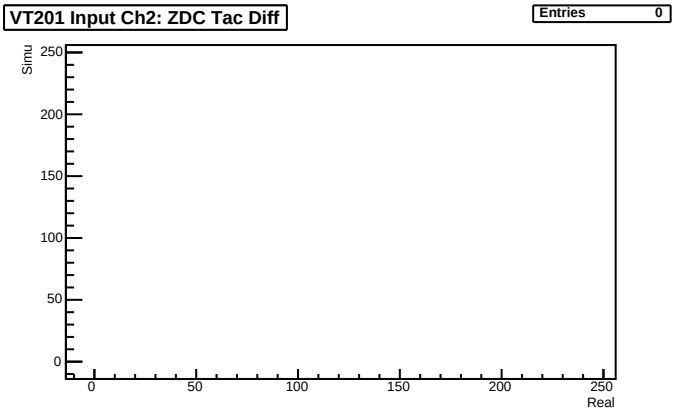

VT201 Input Ch1: EPD Tac Diff
Entries 297199
Tac

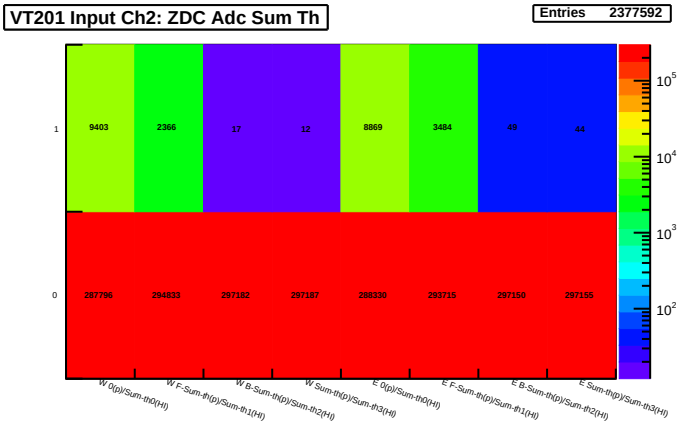

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

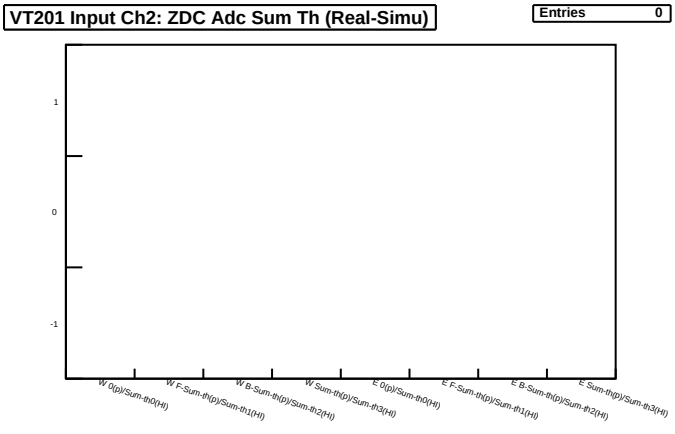

VT201 Input Ch1: EPD Hit Count Th
Entries 594398
292025
291062
5174
6137
East
West

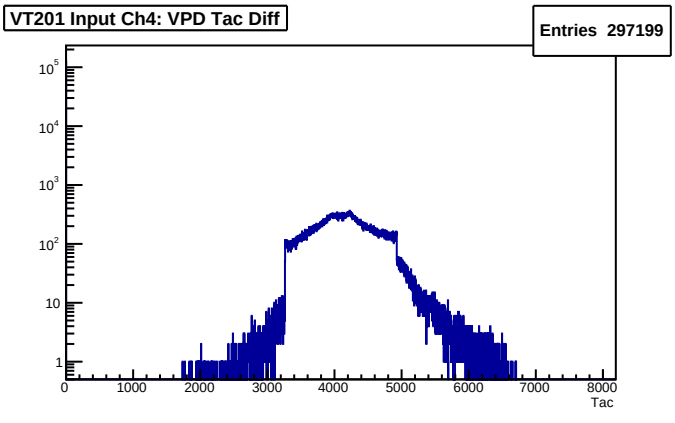

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

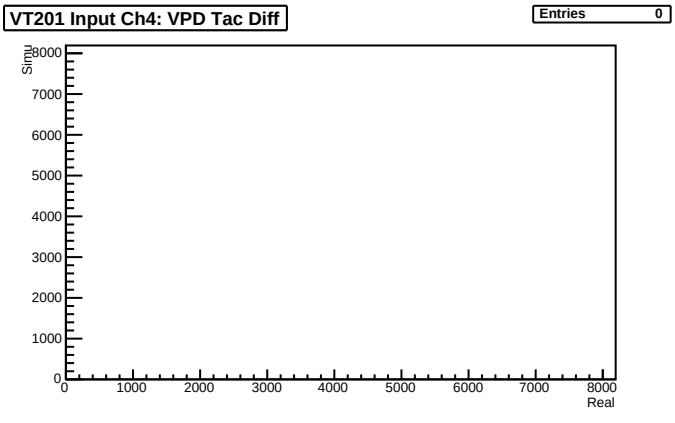

VT201 Input Ch2: ZDC Tac Diff
Entries 297199
Tac

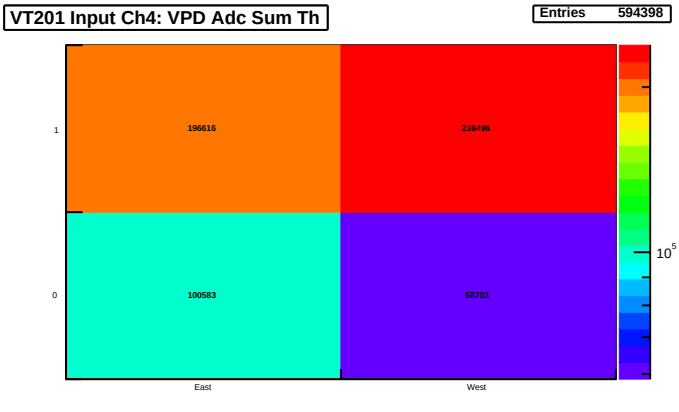

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

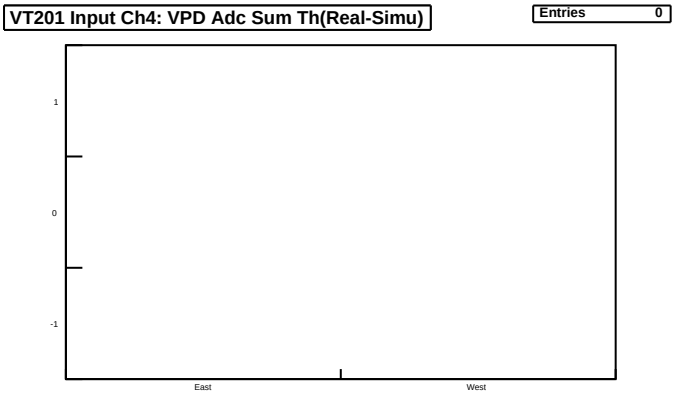

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2377592
9403
2366
17
12
8869
3484
49
44
287796
294833
297182
297187
288330
293715
297150
297155
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

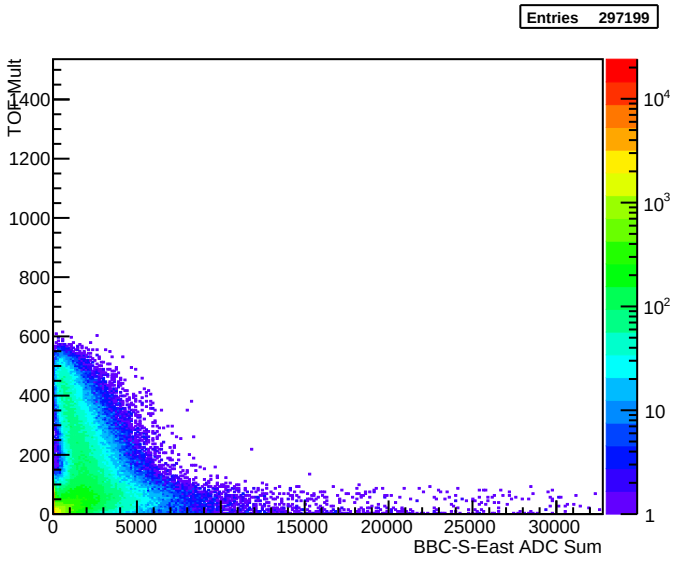

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

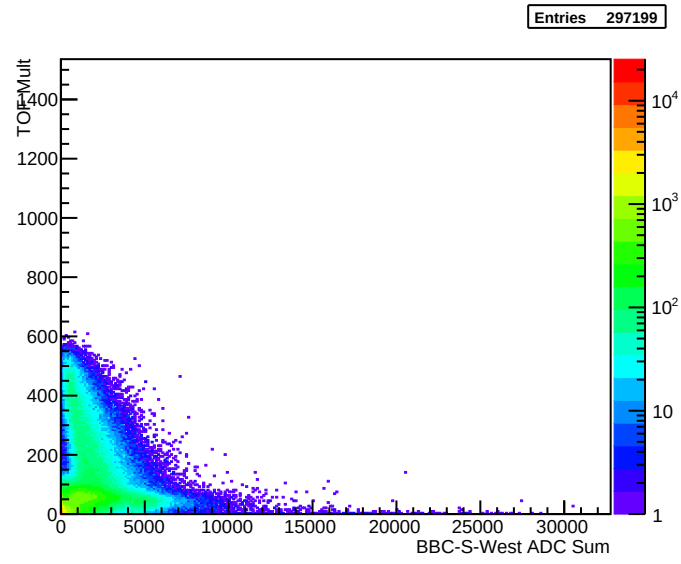

VT201 Input Ch4: VPD Tac Diff
Entries 297199
Tac

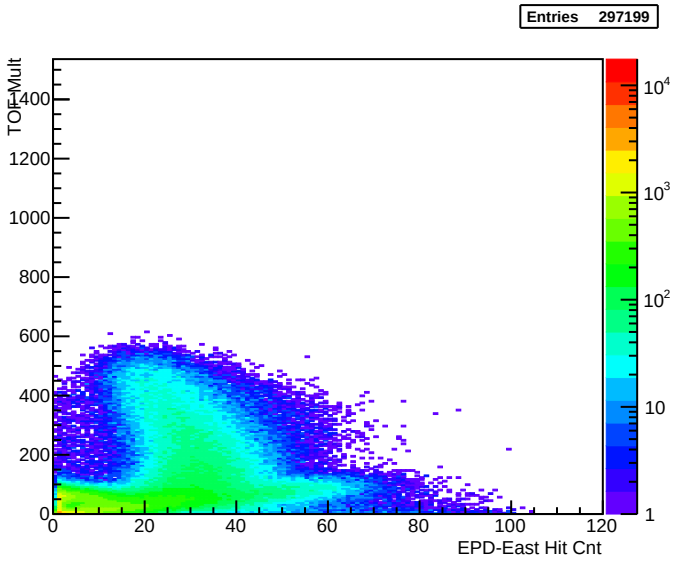

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

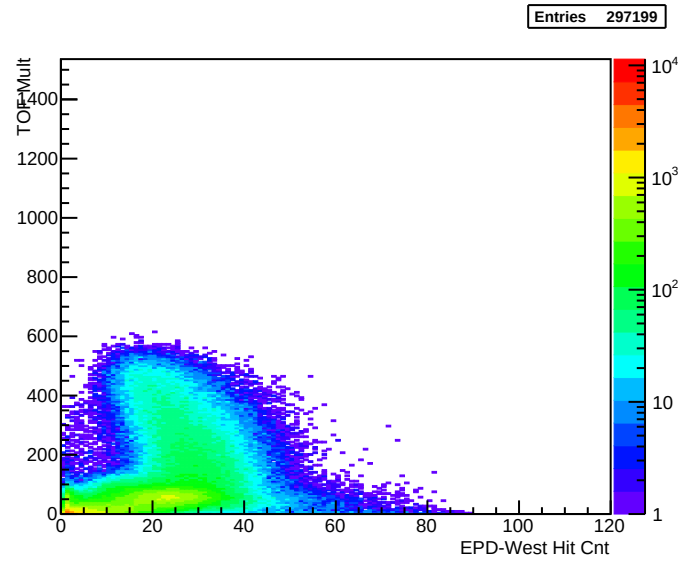

VT201 Input Ch4: VPD Adc Sum Th
Entries 594398
196616
238496
100583
58703
East
West

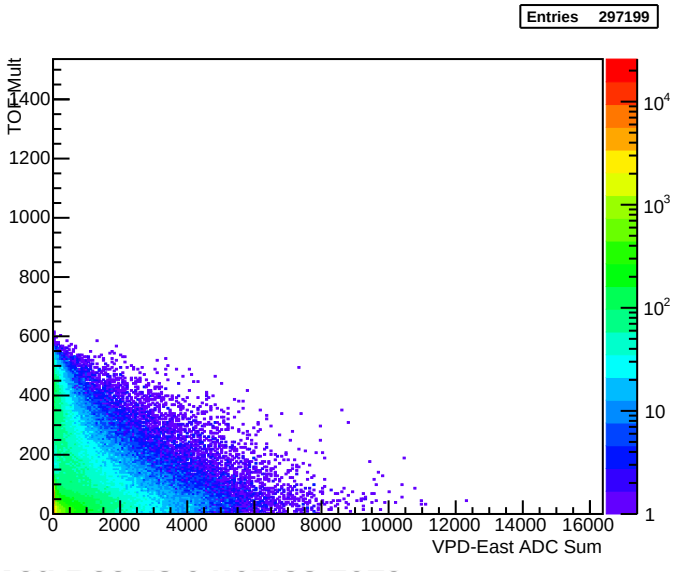

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

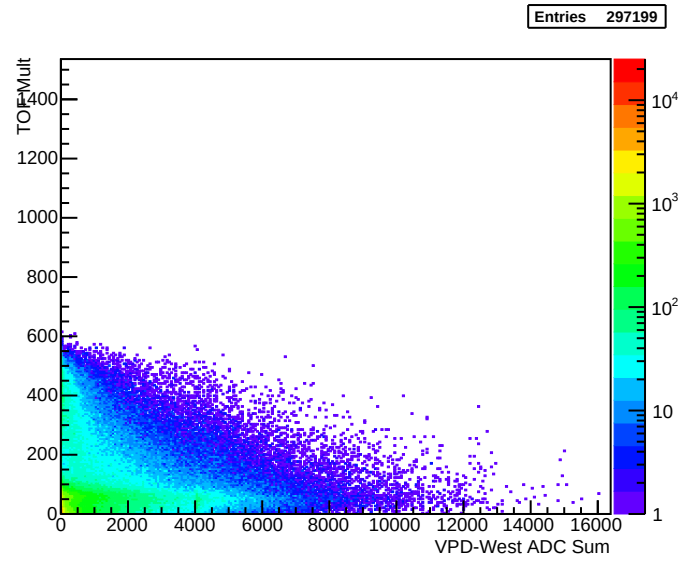

Entries 297199
TOF-Mult
BBC-S-East ADC Sum

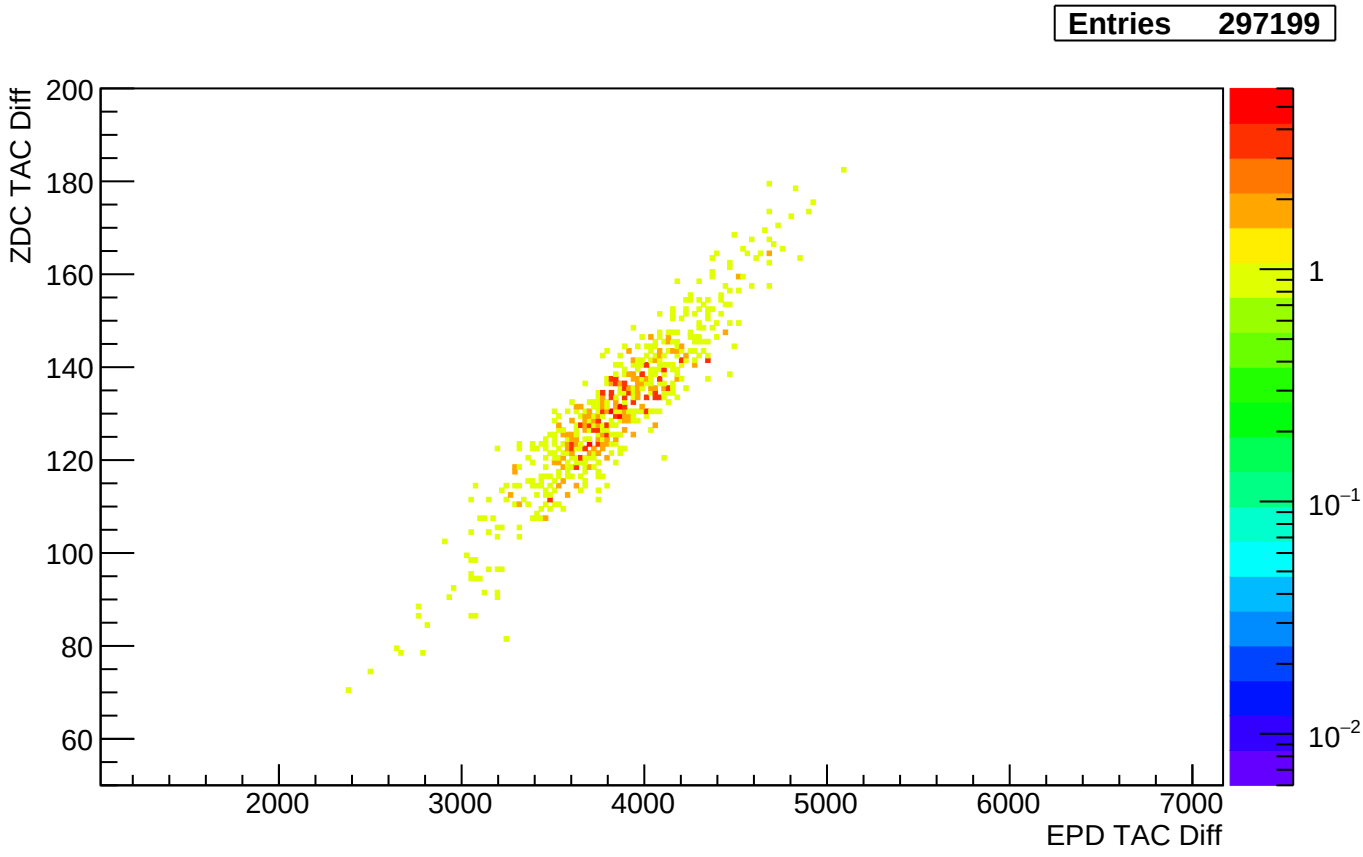

Entries 297199
TOF-Mult
BBC-S-West ADC Sum

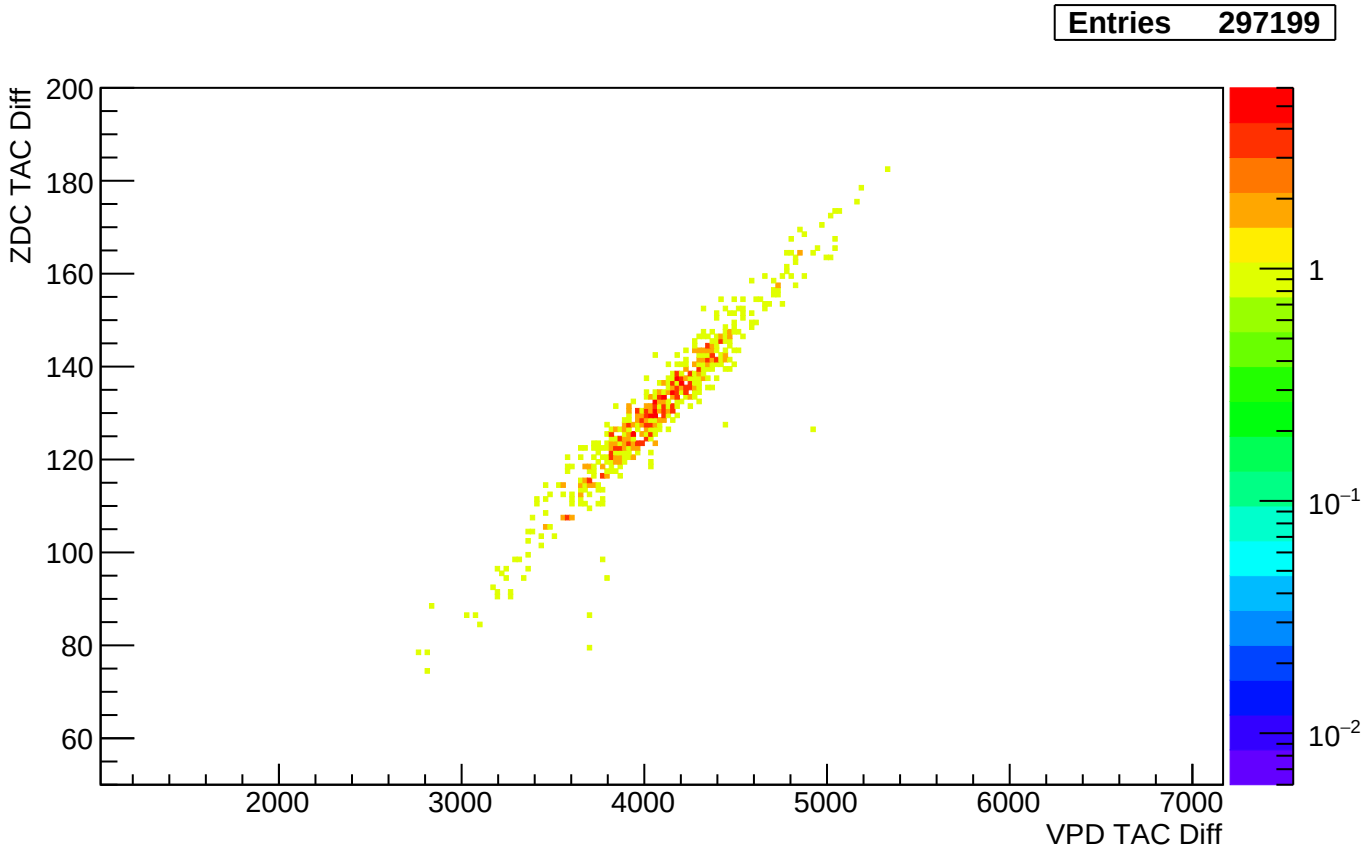

Entries 297199
TOF-Mult
EPD-East Hit Cnt

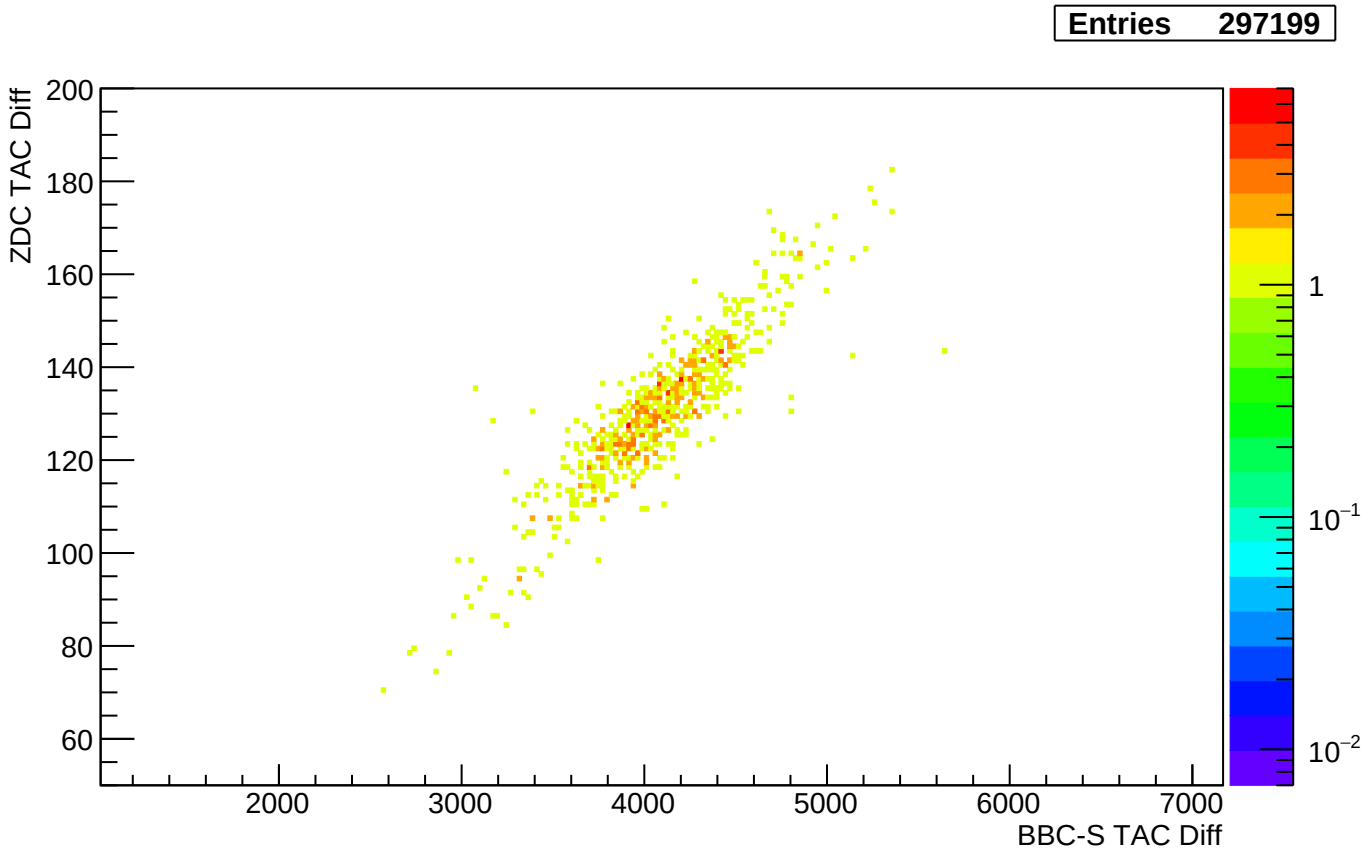

Entries 297199
TOF-Mult
EPD-West Hit Cnt

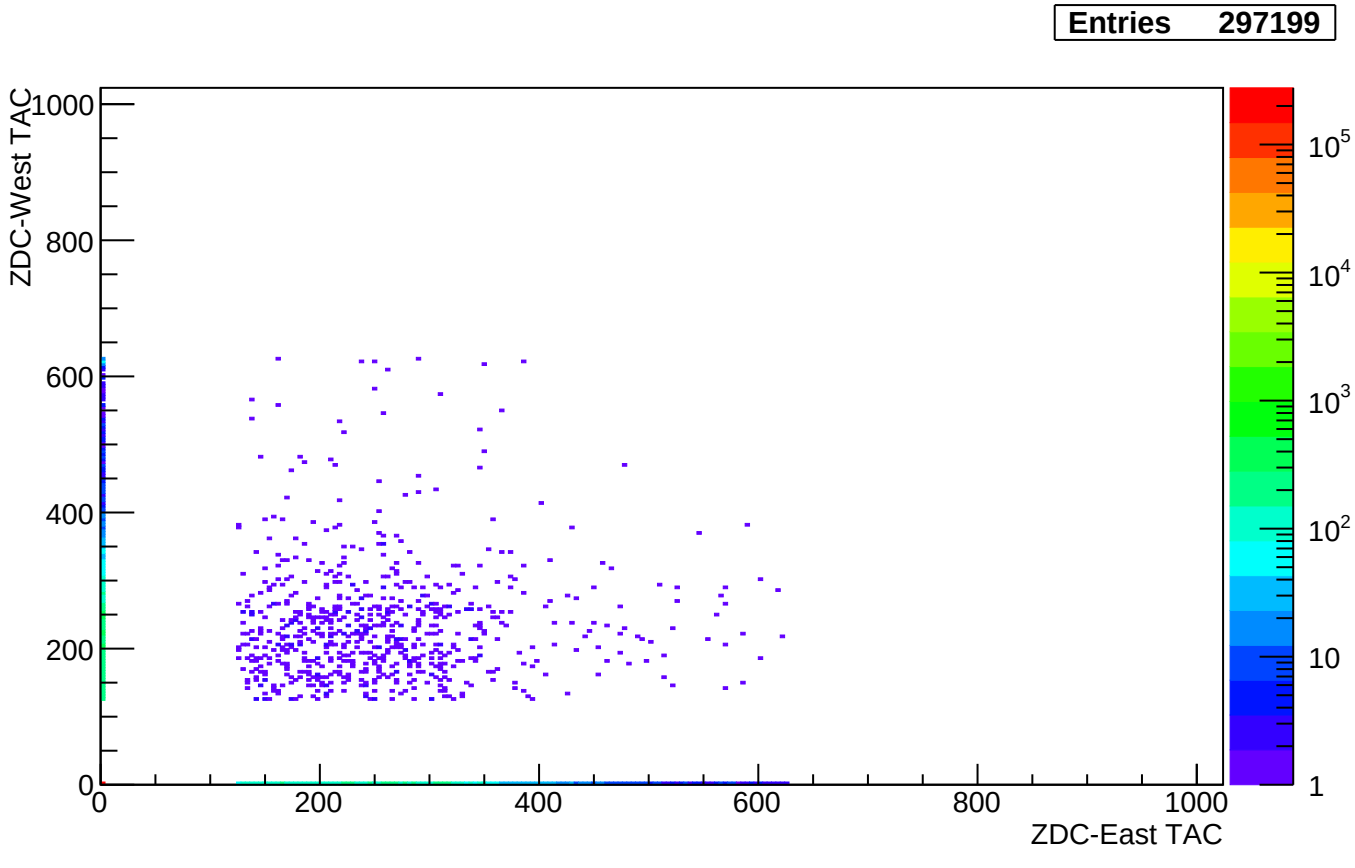

Entries 297199
TOF-Mult
VPD-East ADC Sum

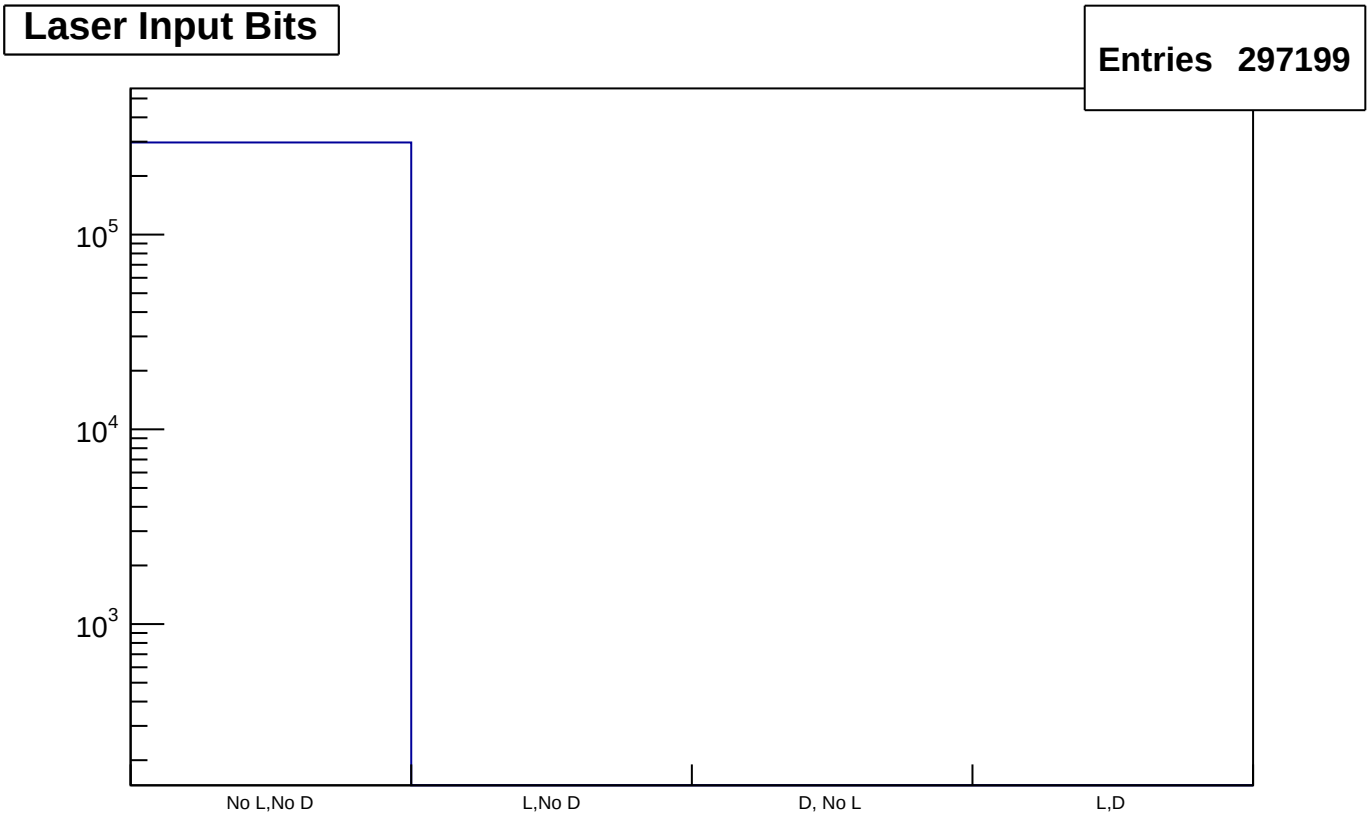

Entries 297199
TOF-Mult
VPD-West ADC Sum

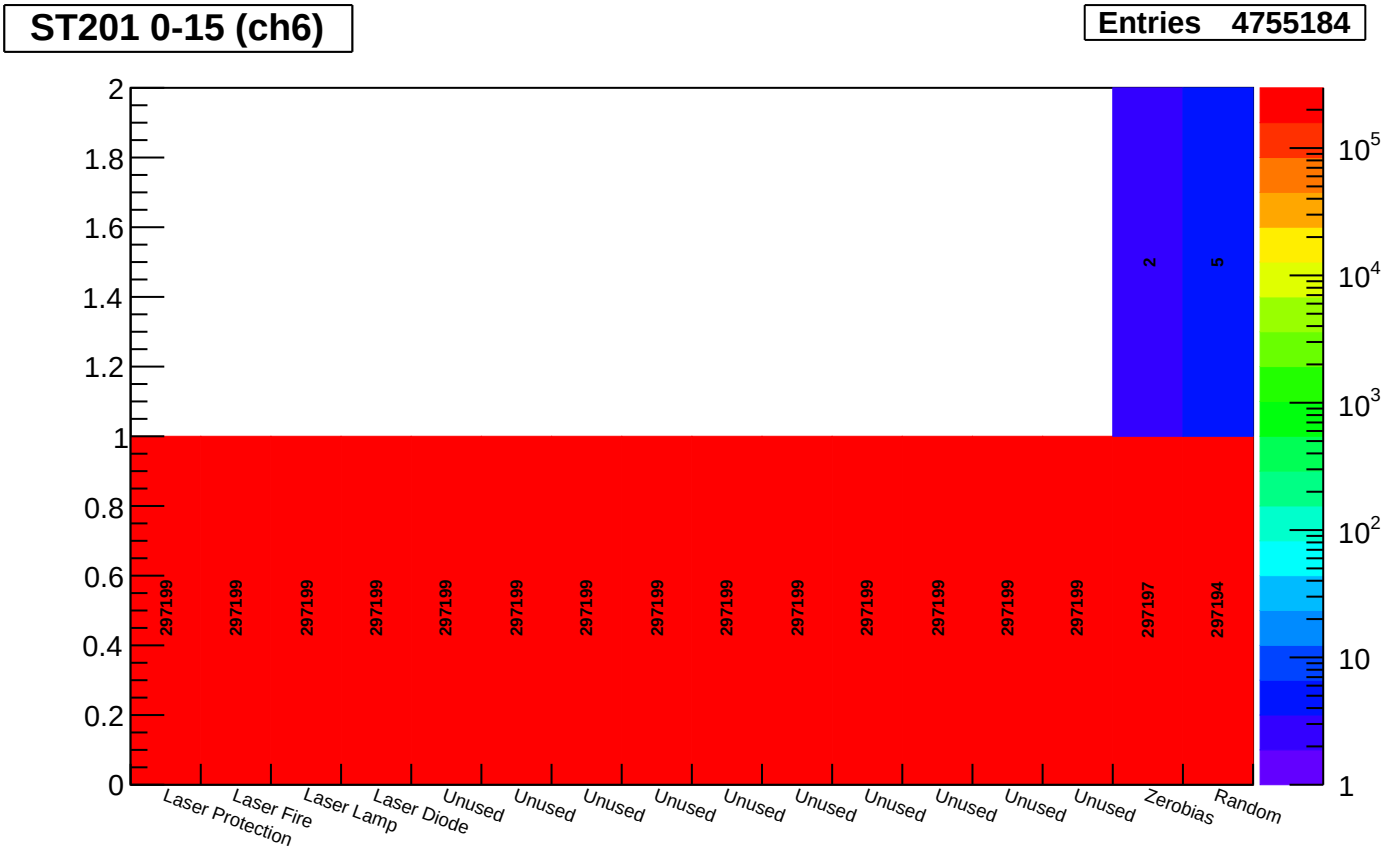

Entries 297199
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

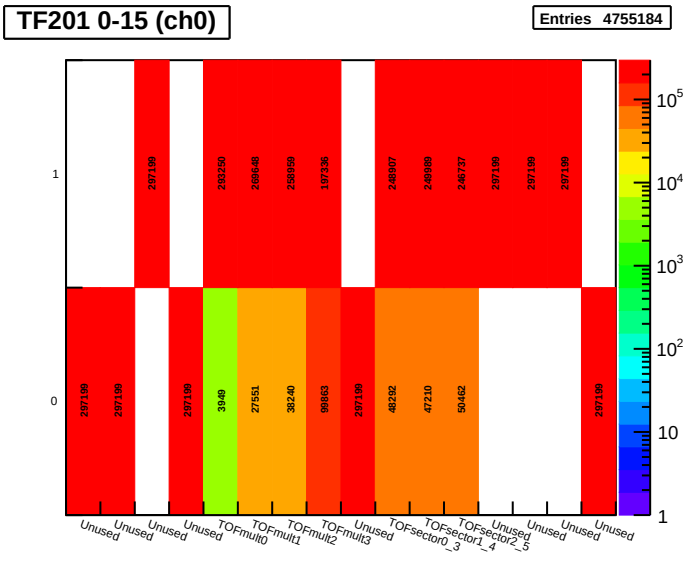

Entries 297199
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

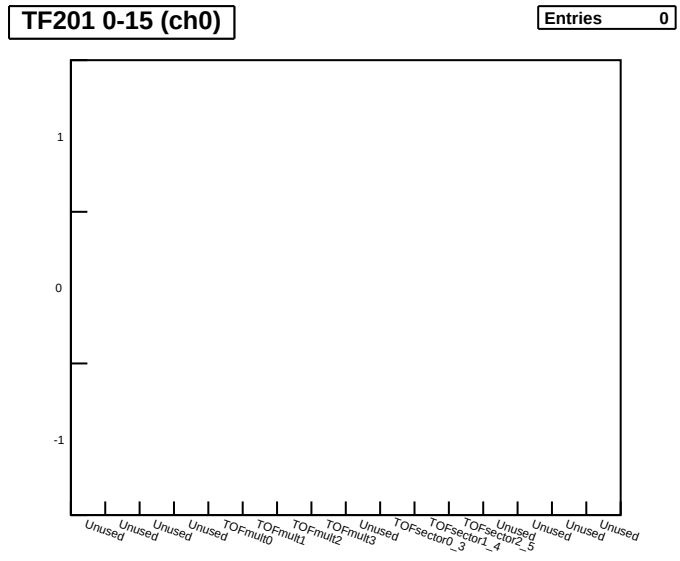

Entries 297199
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

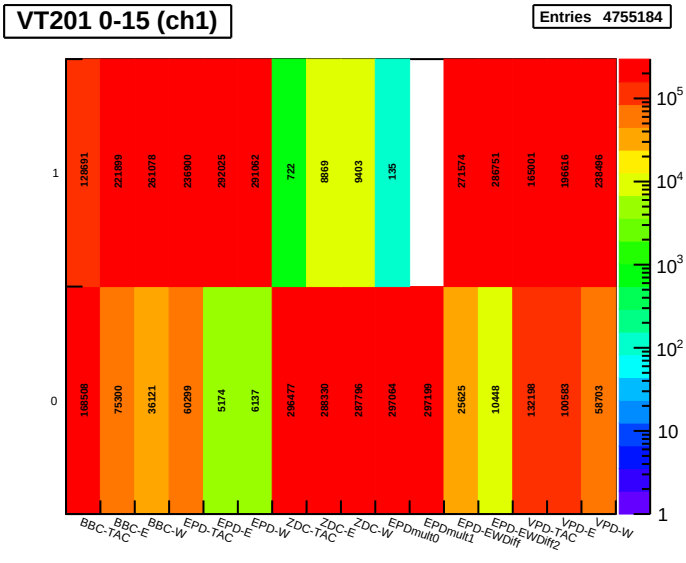

Entries 297199
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

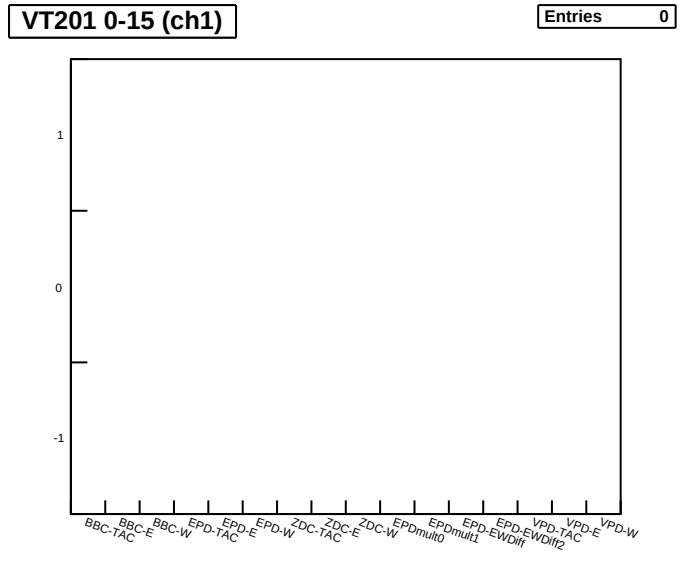

Laser Input Bits
Entries 297199
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

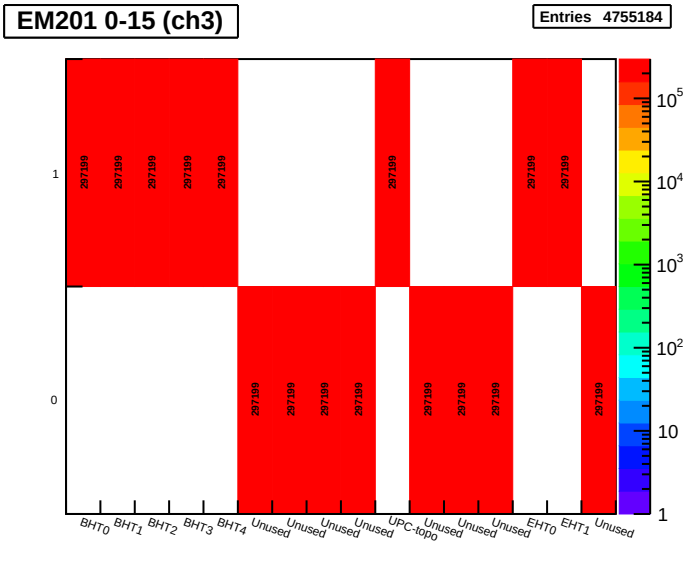

ST201 0-15 (ch6)
Entries 4755184
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
297199
297199
297199
297199
297199
297199
297199
297199
297199
297199
297199
297199
297199
297199
297197
297194
2
5
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

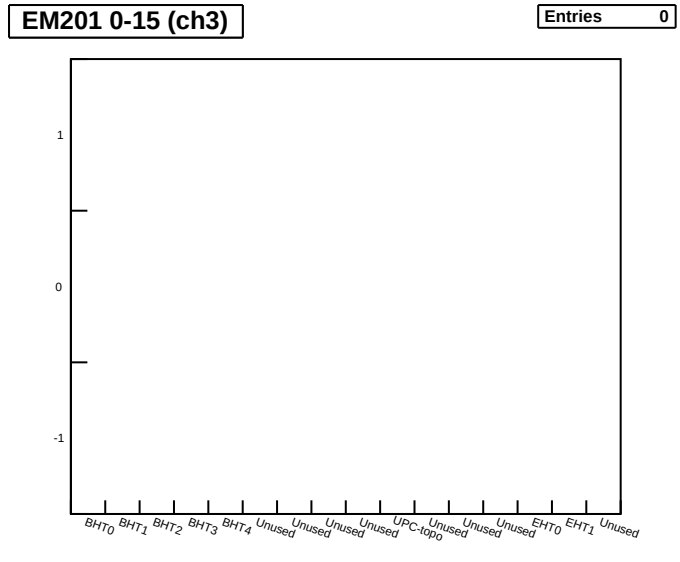

TF201 0-15 (ch0)
Entries 4755184
297199 263250 269648 268969 197336 248907 249989 246737 297199 297199 297199
297199 297199 297199 3949 27551 38240 99863 297199 48292 47210 50462 297199
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused


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


VT201 0-15 (ch1)
Entries 4755184
128691 221899 261078 236900 292025 291062 722 8869 9403 135 271574 286751 165001 196616 238486
168508 75300 36121 60299 5174 6137 286477 288330 287796 297064 297199 25625 10448 132198 100583 58703
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


VT201 0-15 (ch1)
Entries 0
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 4755184
297199 297199 297199 297199 297199 297199 297199 297199
297199 297199 297199 297199 297199 297199 297199 297199
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused


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