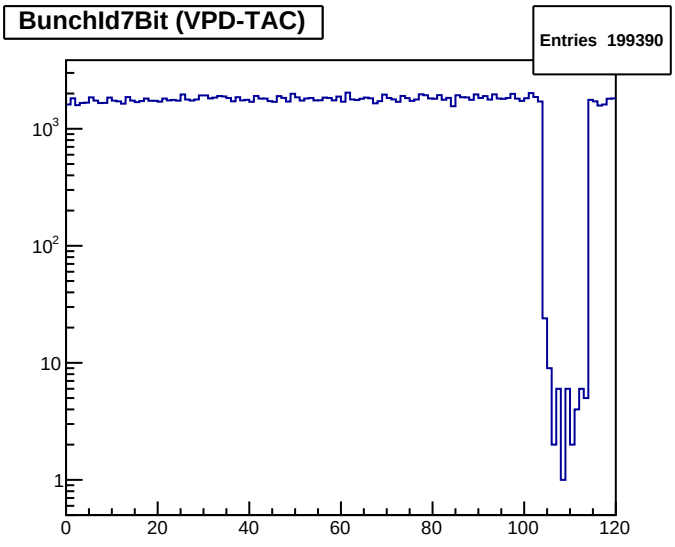
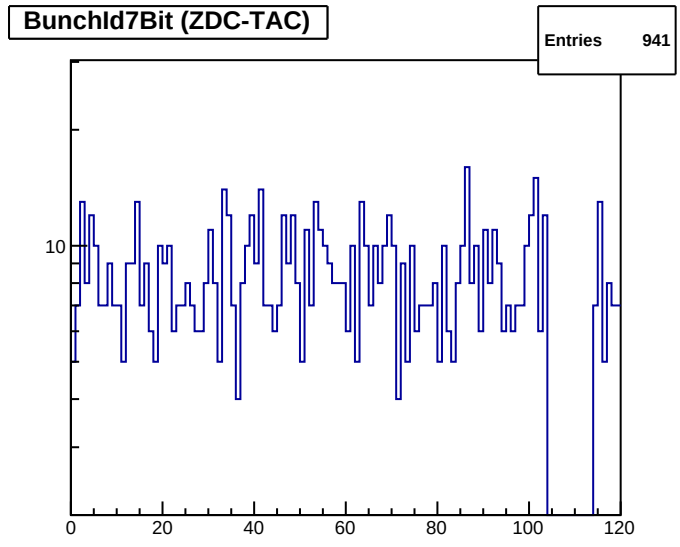
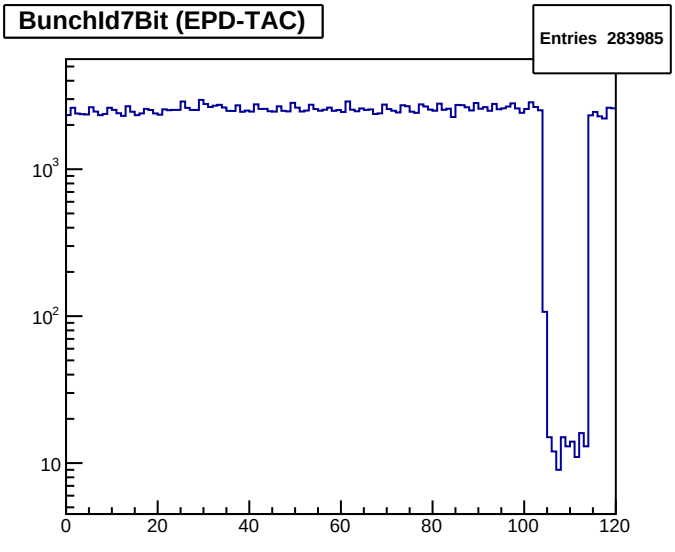
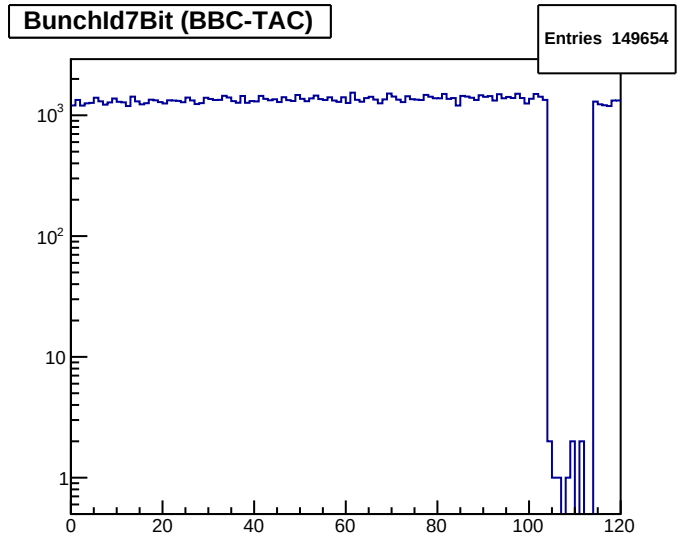
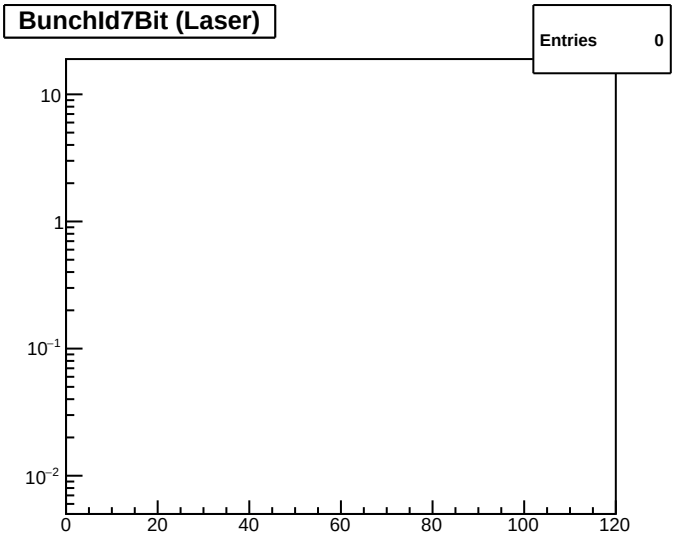
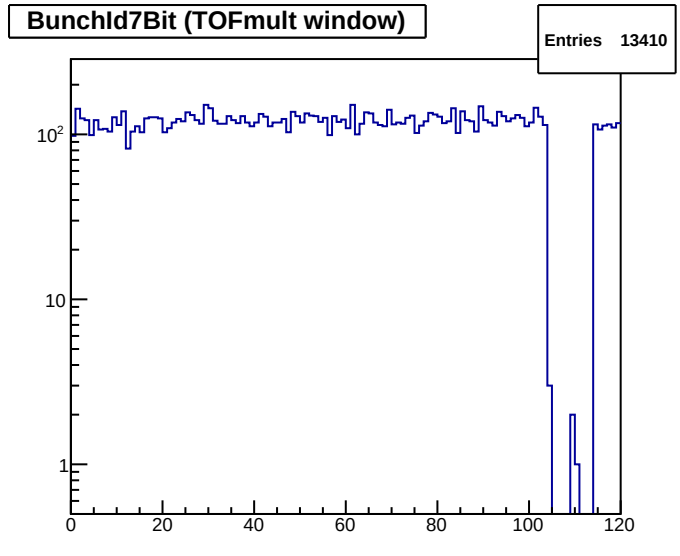

BunchId7Bit (VPD-TAC)
Entries 199390

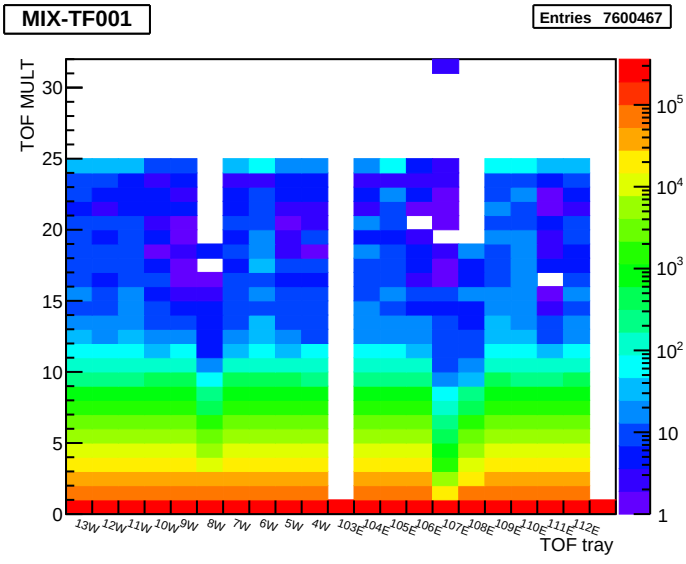

BunchId7Bit (ZDC-TAC)
Entries 941

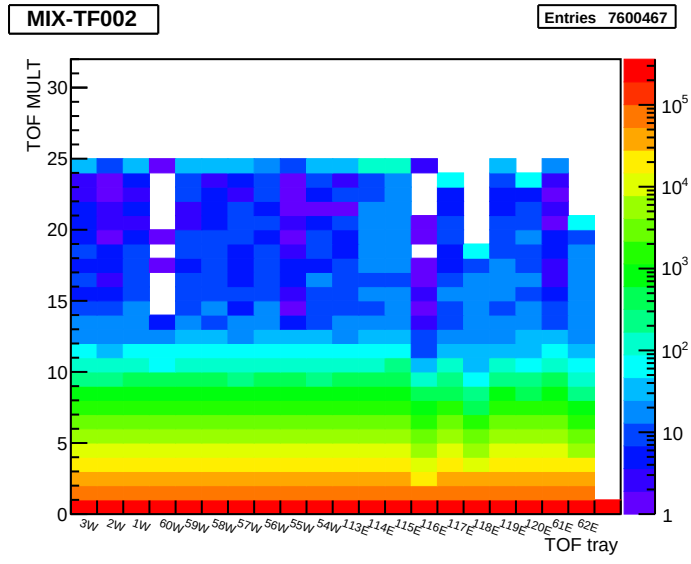

BunchId7Bit (EPD-TAC)
Entries 283985

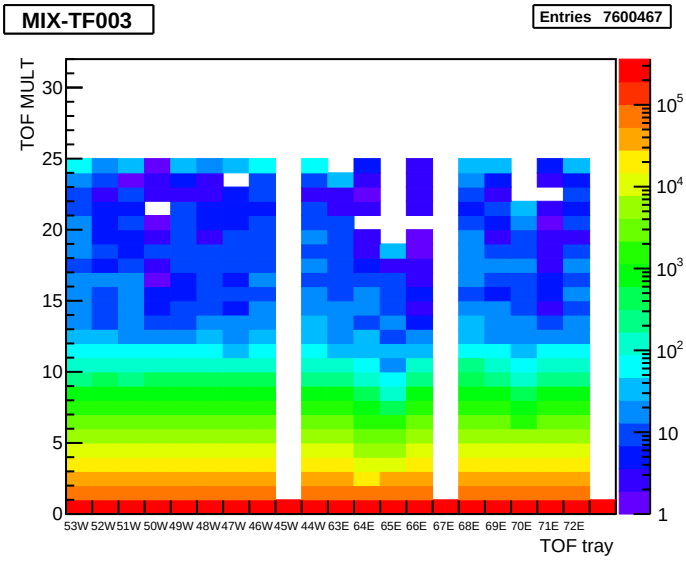

BunchId7Bit (BBC-TAC)
Entries 149654

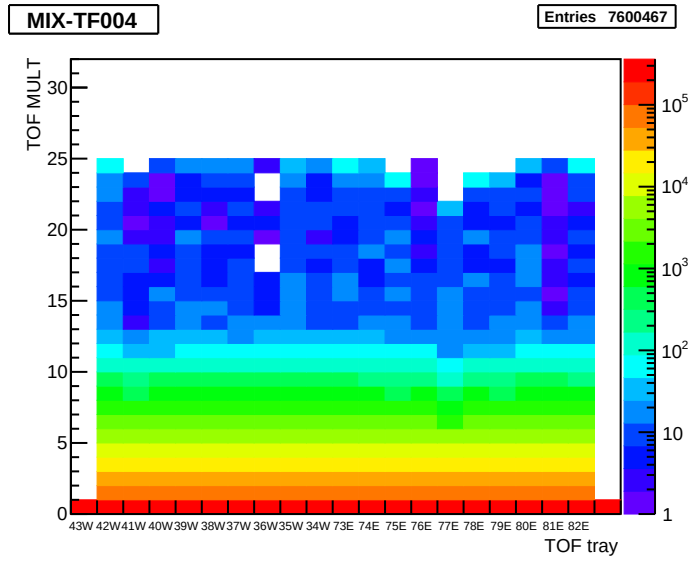

BunchId7Bit (Laser)
Entries 0

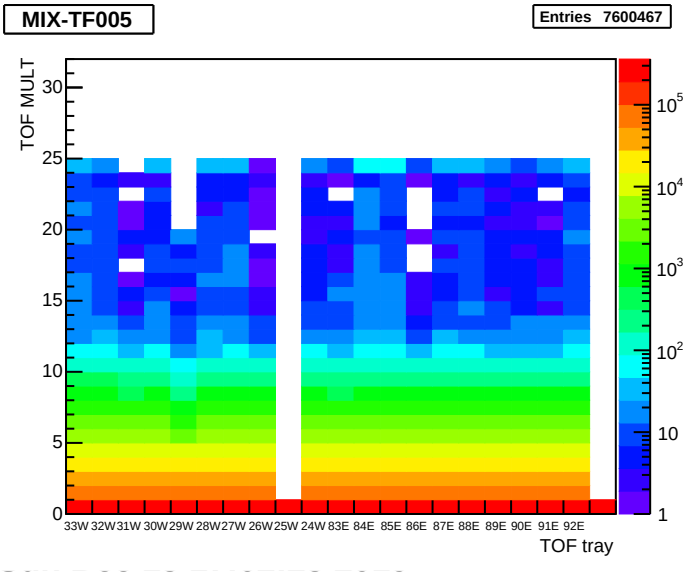

BunchId7Bit (TOFmult window)
Entries 13410

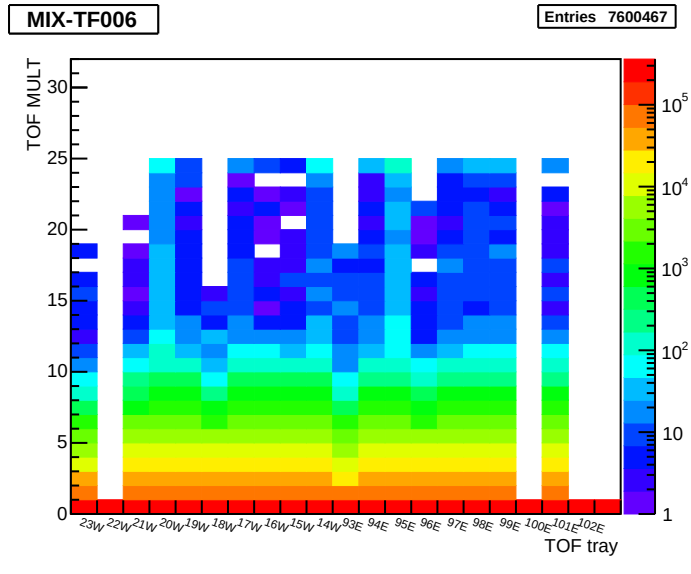

MIX-TF001
Entries 7600467
TOF MULT
TOF tray

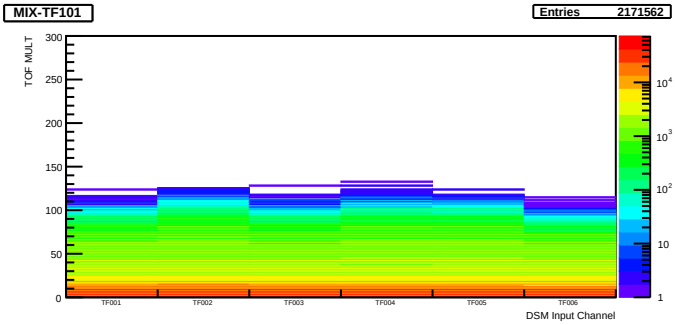

MIX-TF002
Entries 7600467
TOF MULT
TOF tray

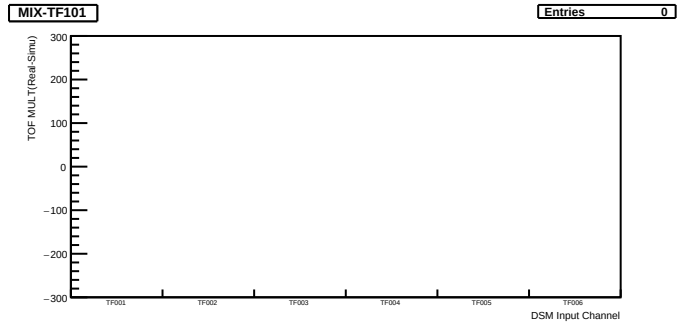

MIX-TF003
Entries 7600467
TOF MULT
TOF tray

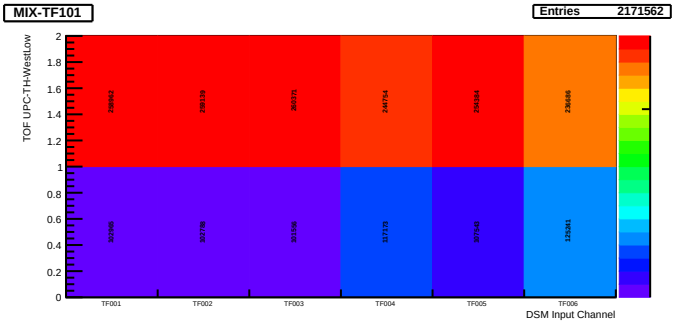

MIX-TF004
Entries 7600467
TOF MULT
TOF tray

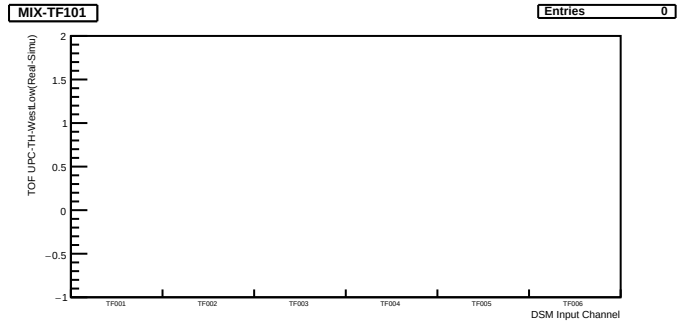

MIX-TF005
Entries 7600467
TOF MULT
TOF tray

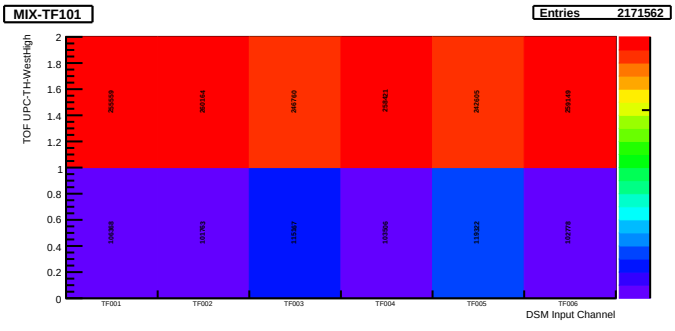

MIX-TF006
Entries 7600467
TOF MULT
TOF tray

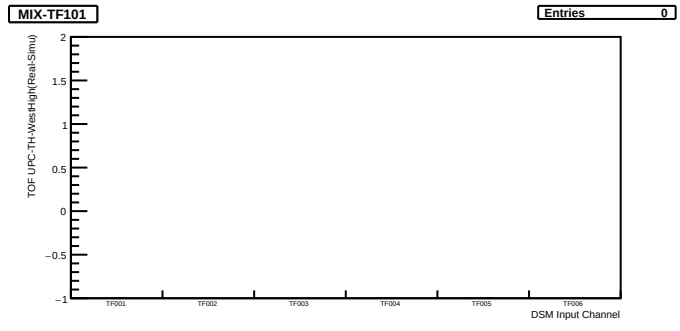

MIX-TF101
Entries 2171562
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

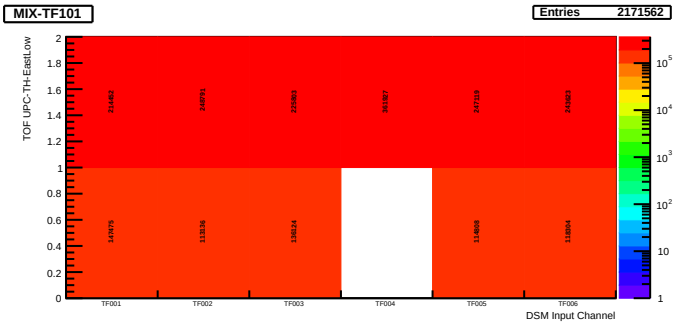

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

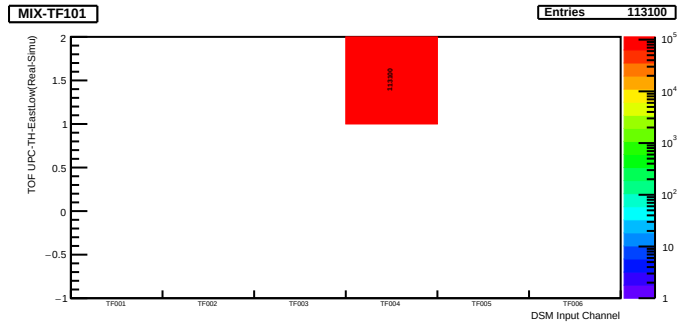

MIX-TF101
Entries 2171562
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

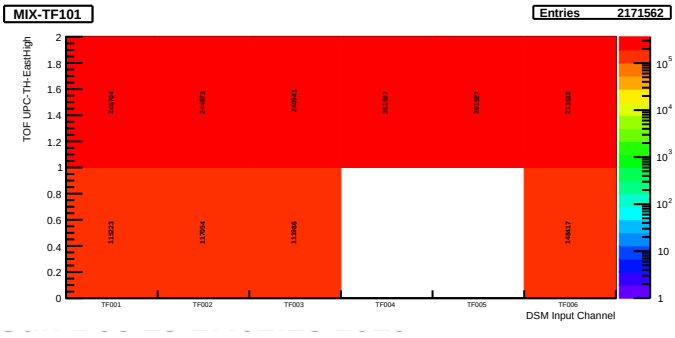

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

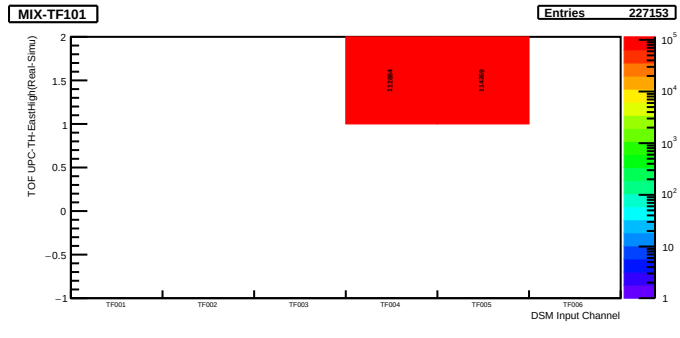

MIX-TF101
Entries 2171562
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

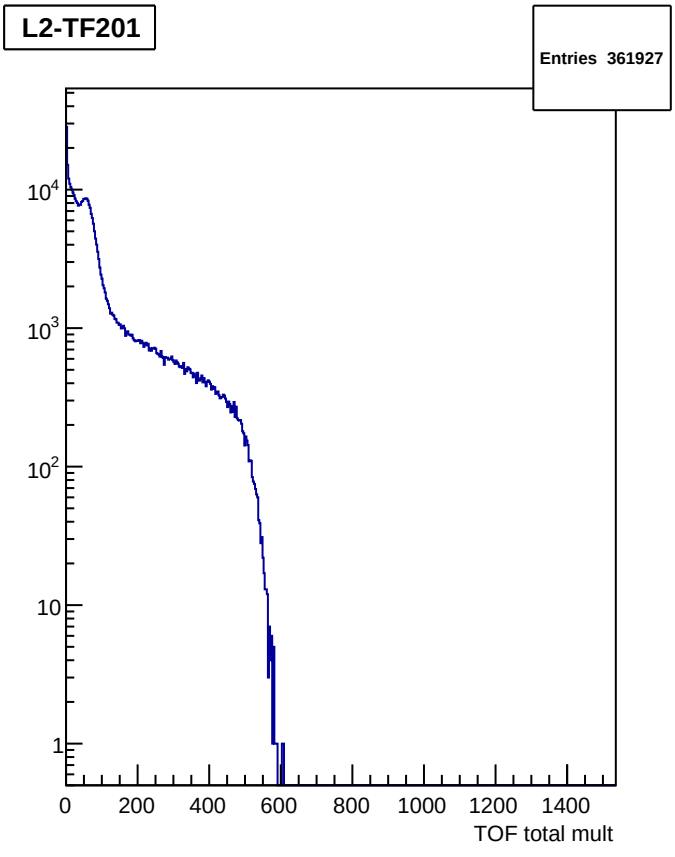

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

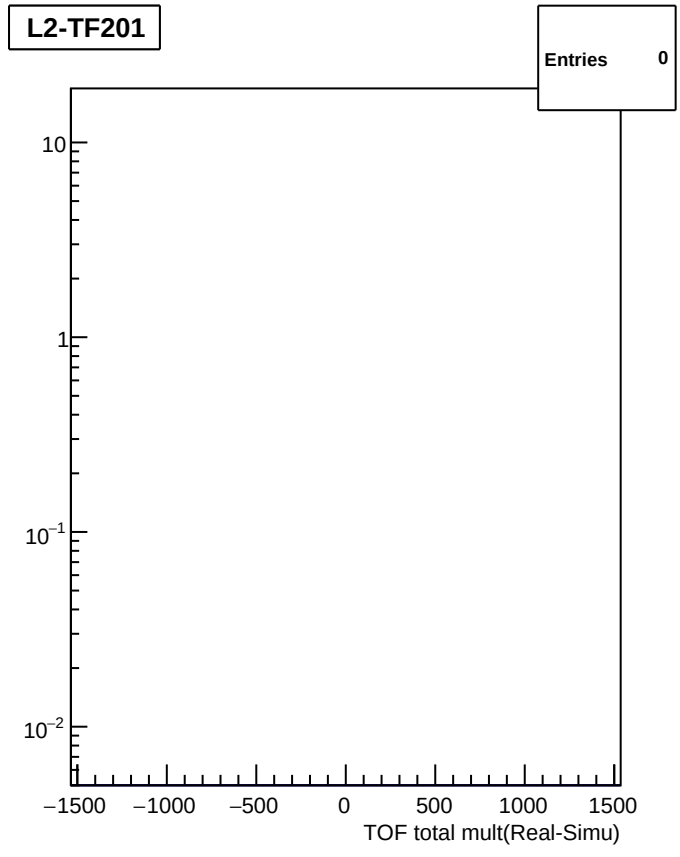

MIX-TF101
Entries 2171562
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

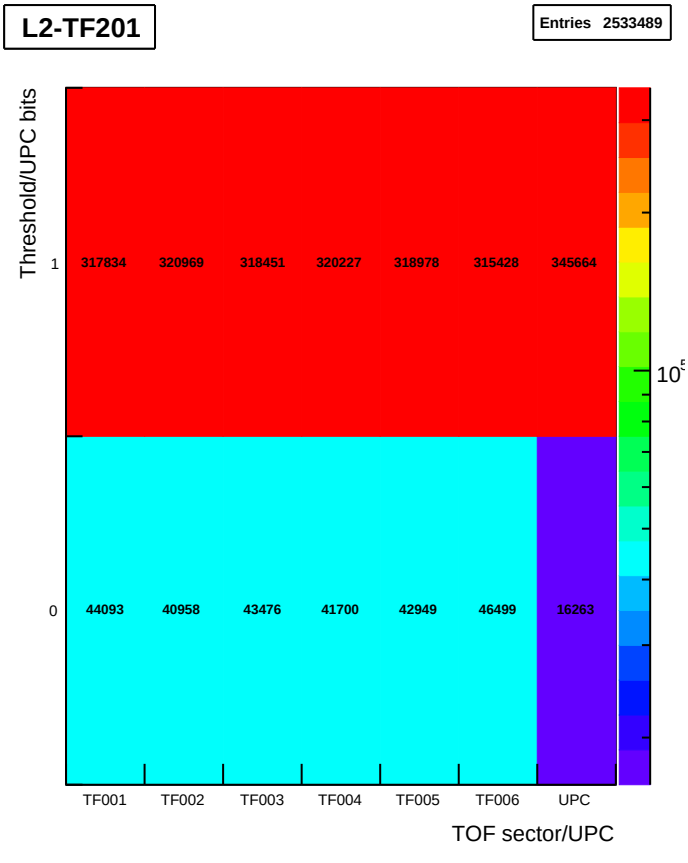

MIX-TF101
Entries 113100
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

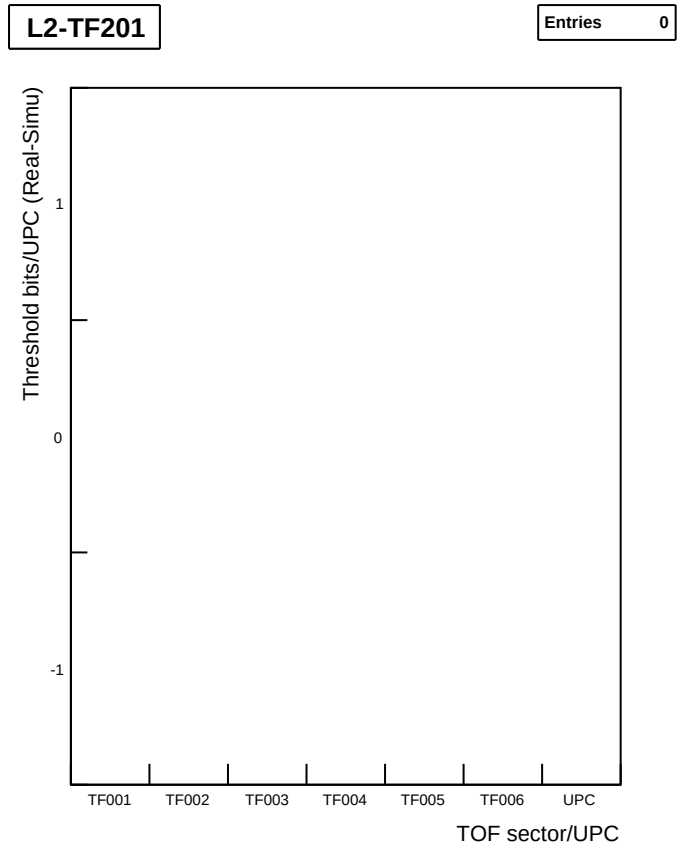

MIX-TF101
Entries 2171562
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

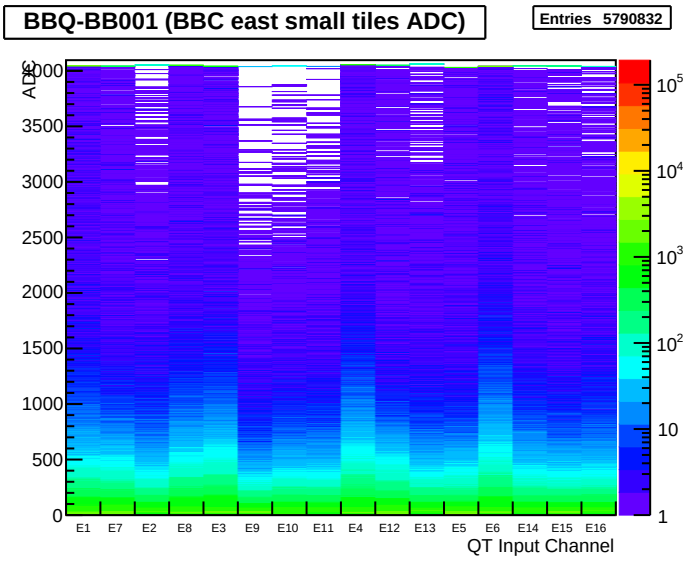

MIX-TF101
Entries 227153
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

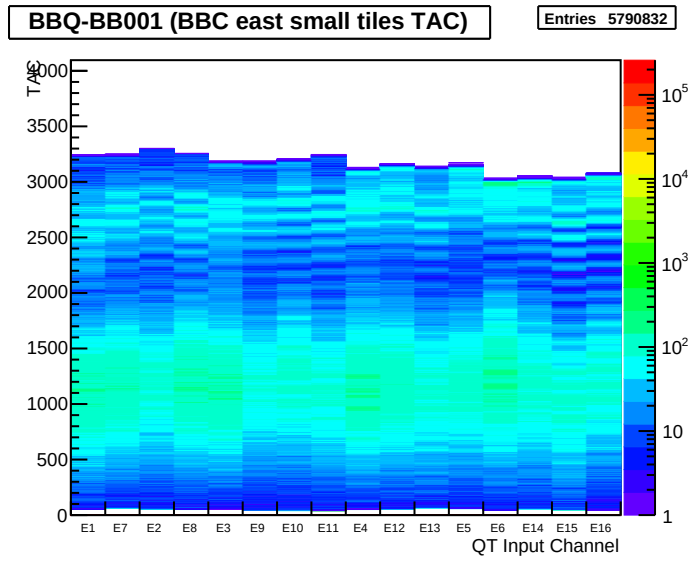

L2-TF201
Entries 361927
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

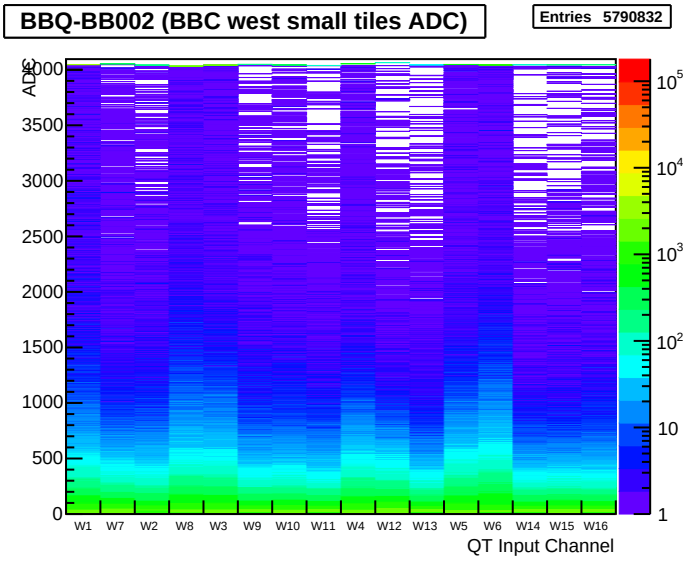

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

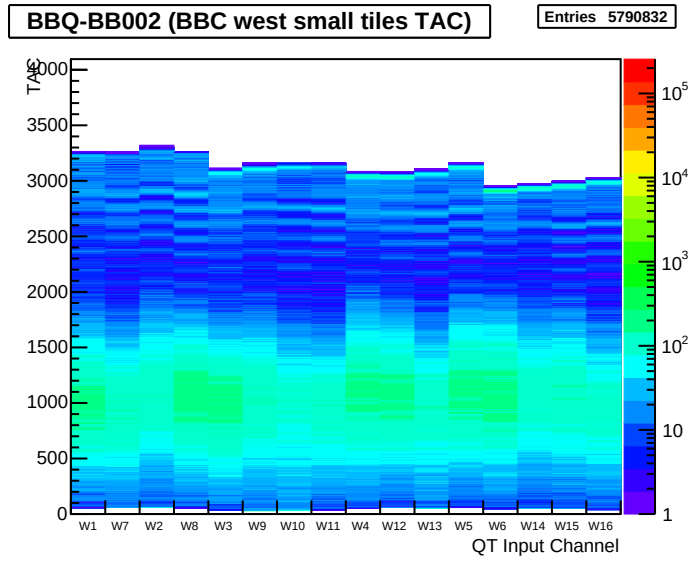

L2-TF201
Entries 2533489
Threshold/UPC bits
1
0
317834
320969
318451
320227
318978
315428
345664
44093
40958
43476
41700
42949
46499
16263
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

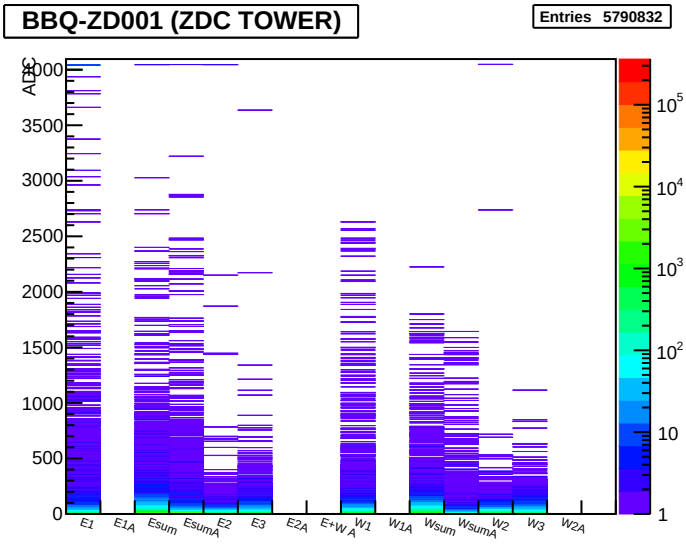

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

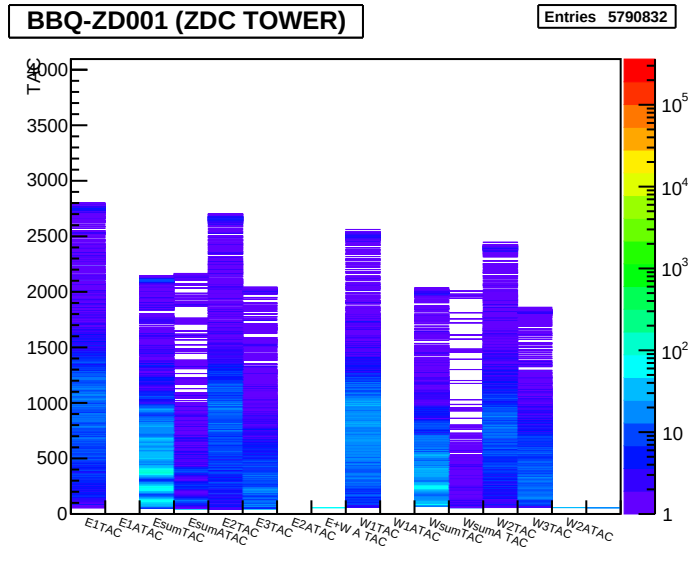

BBQ-BB001 (BBC east small tiles ADC)
Entries 5790832
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

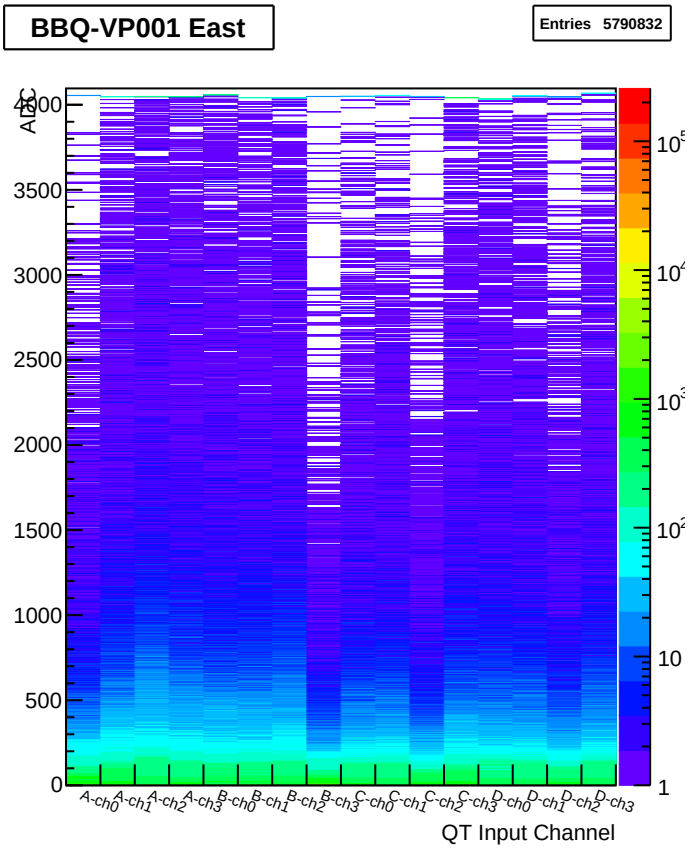

BBQ-BB001 (BBC east small tiles TAC)
Entries 5790832
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

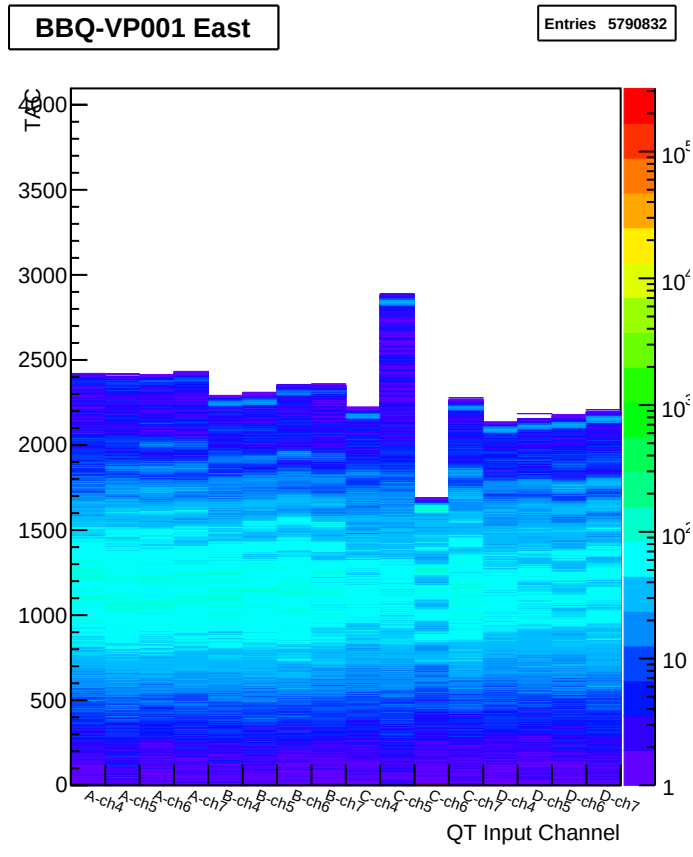

BBQ-BB002 (BBC west small tiles ADC)
Entries 5790832
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

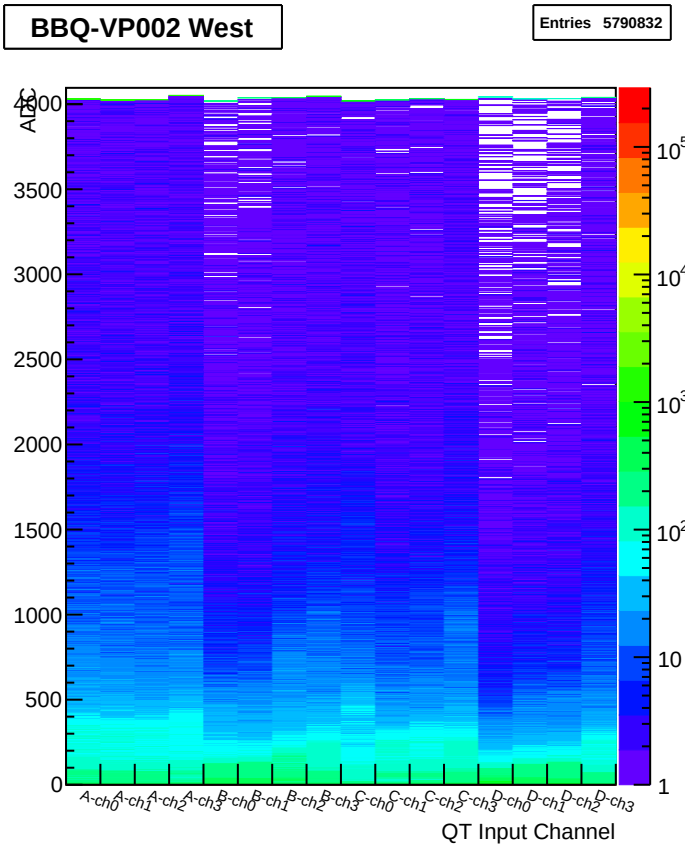

BBQ-BB002 (BBC west small tiles TAC)
Entries 5790832
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

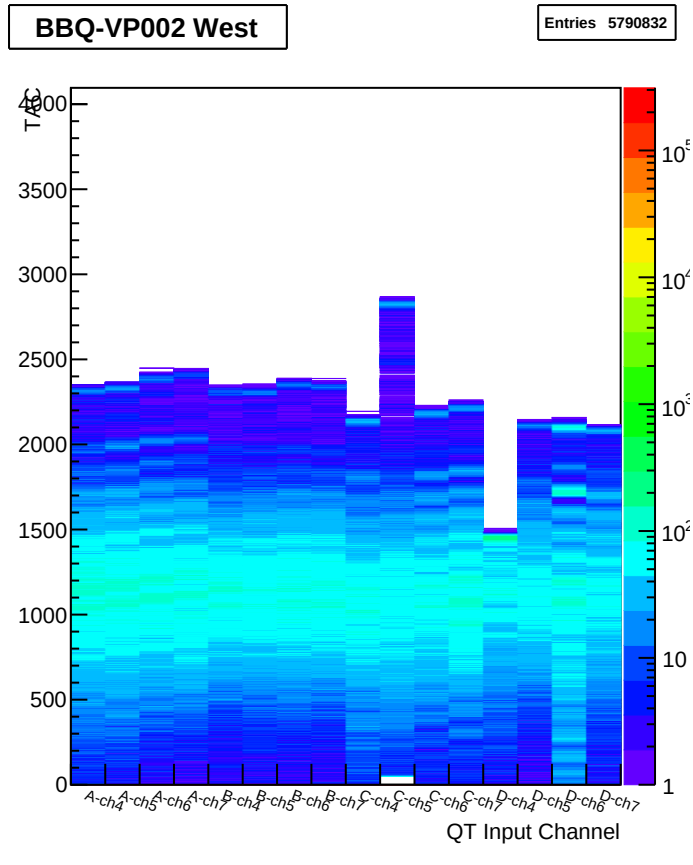

BBQ-ZD001 (ZDC TOWER)
Entries 5790832
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

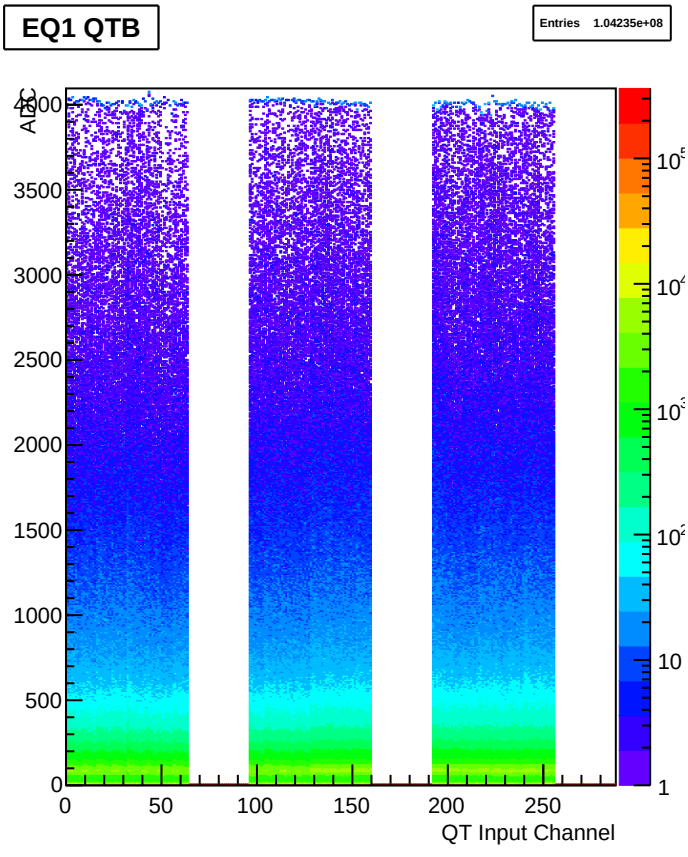

BBQ-ZD001 (ZDC TOWER)
Entries 5790832
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

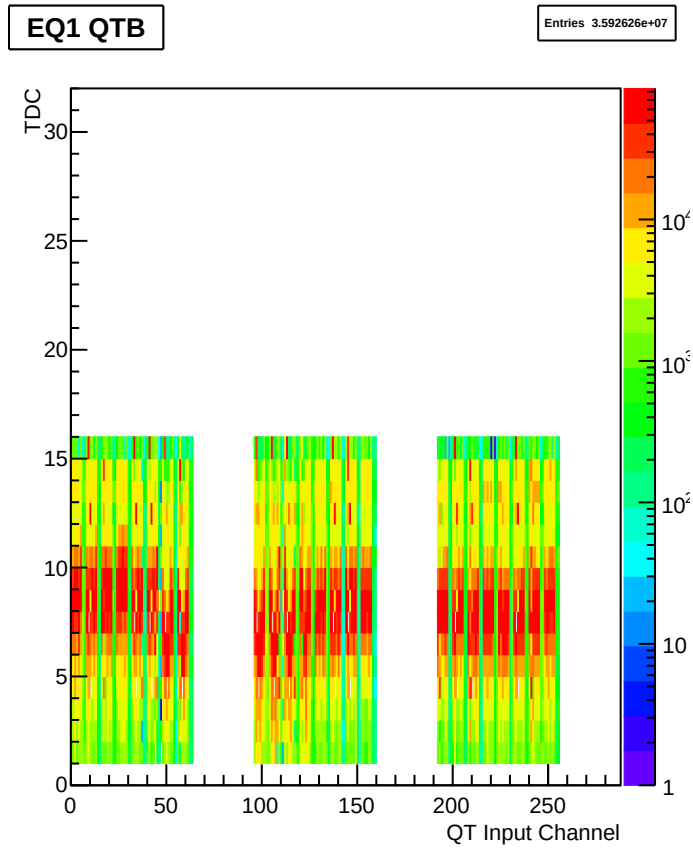

BBQ-VP001 East
Entries 5790832
ADC
QT Input Channel

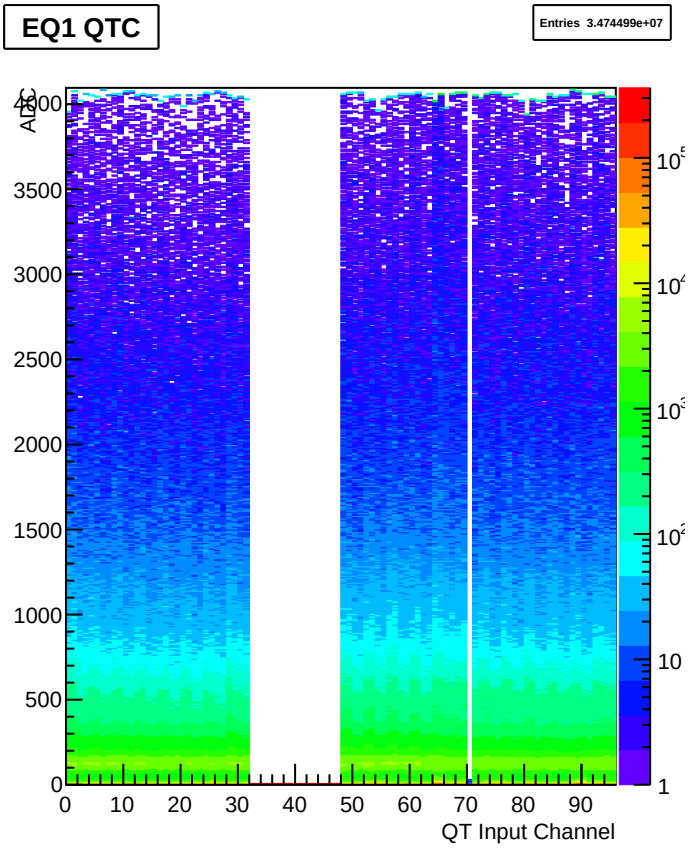

BBQ-VP001 East
Entries 5790832
TADC
QT Input Channel

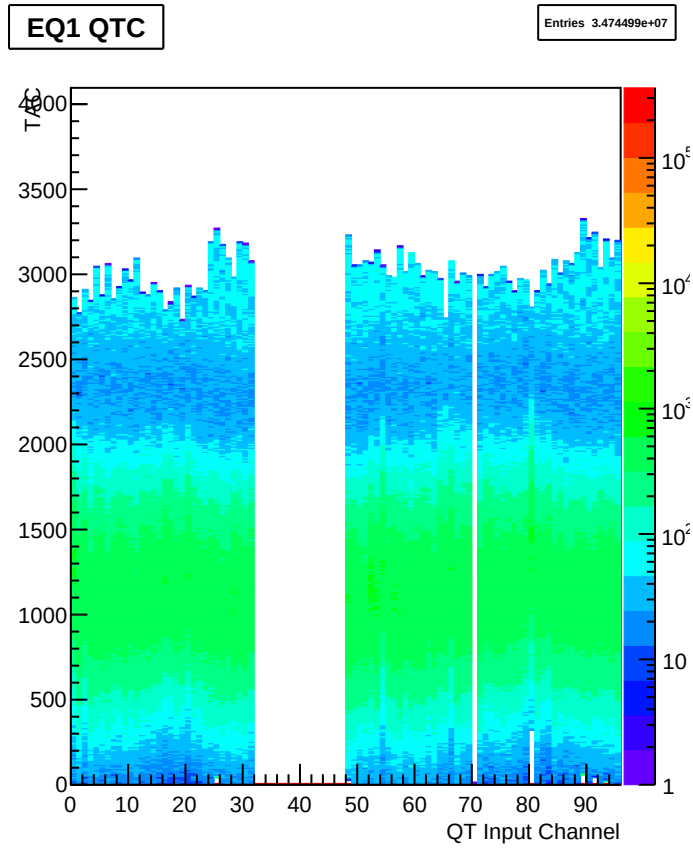

BBQ-VP002 West
Entries 5790832
ADC
QT Input Channel

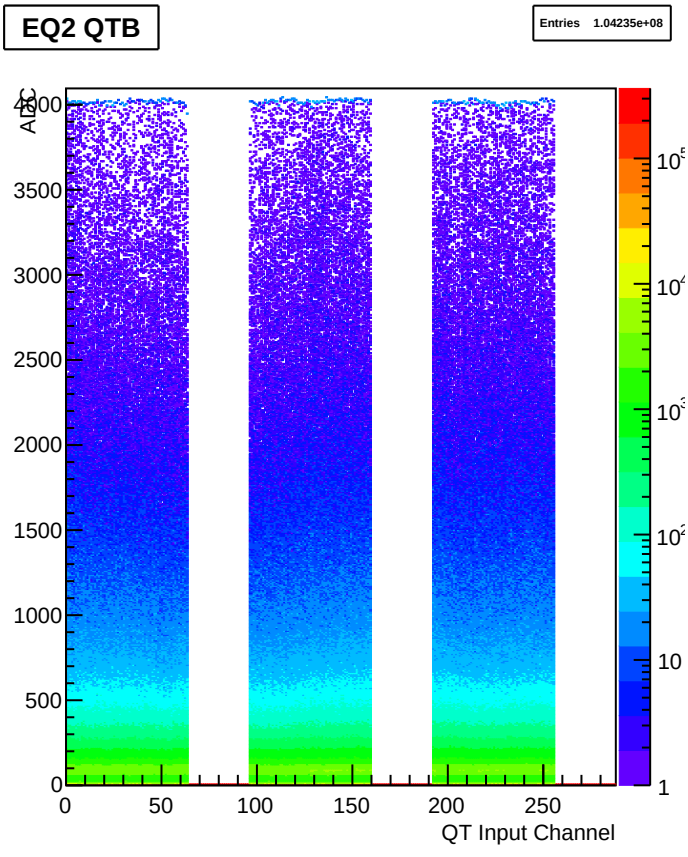

BBQ-VP002 West
Entries 5790832
TADC
QT Input Channel

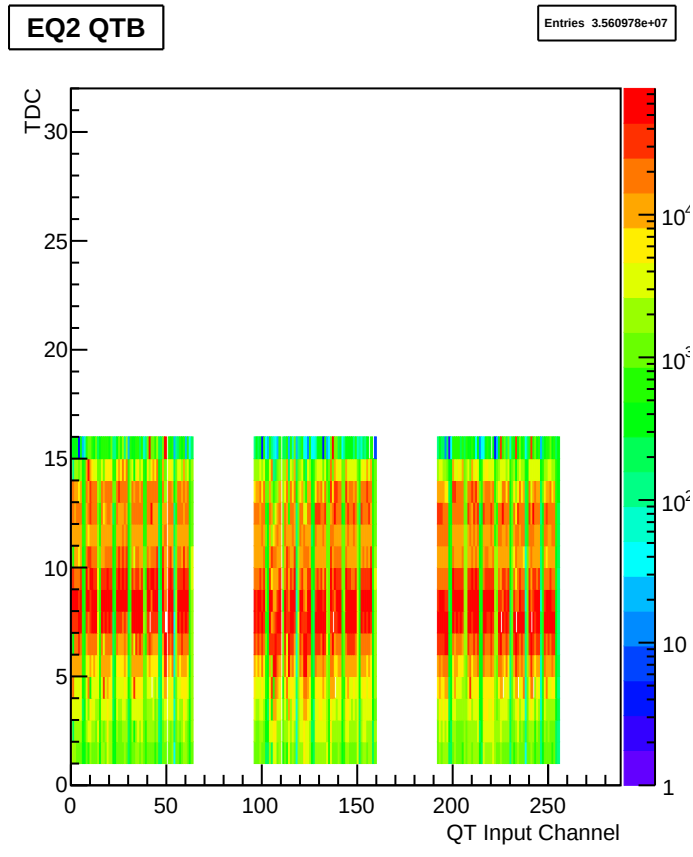

EQ1 QTB
Entries 1.04235e+08
ADC
QT Input Channel

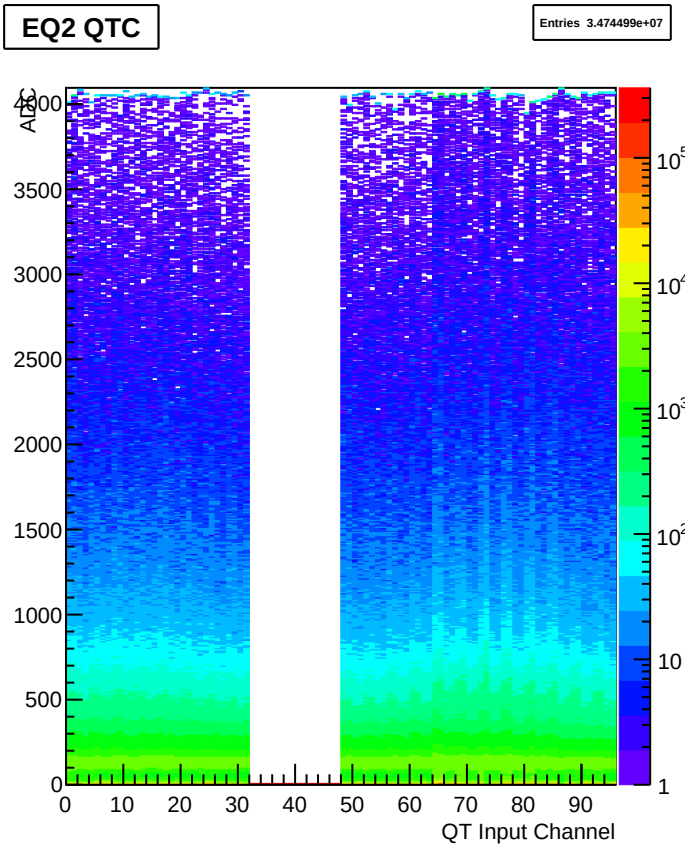

EQ1 QTB
Entries 3.592626e+07
TDC
QT Input Channel

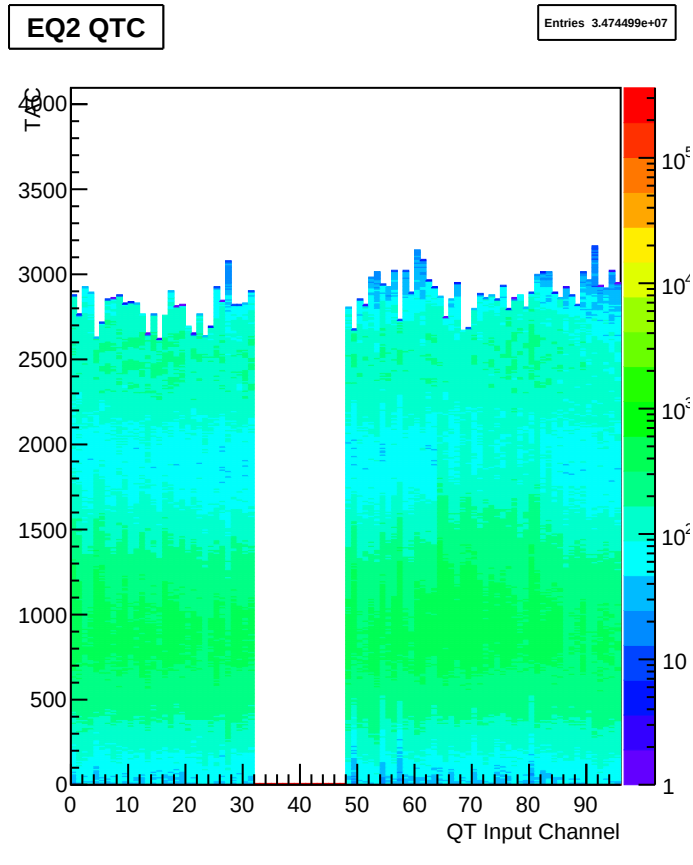

EQ1 QTC
Entries 3.474499e+07
ADC
QT Input Channel

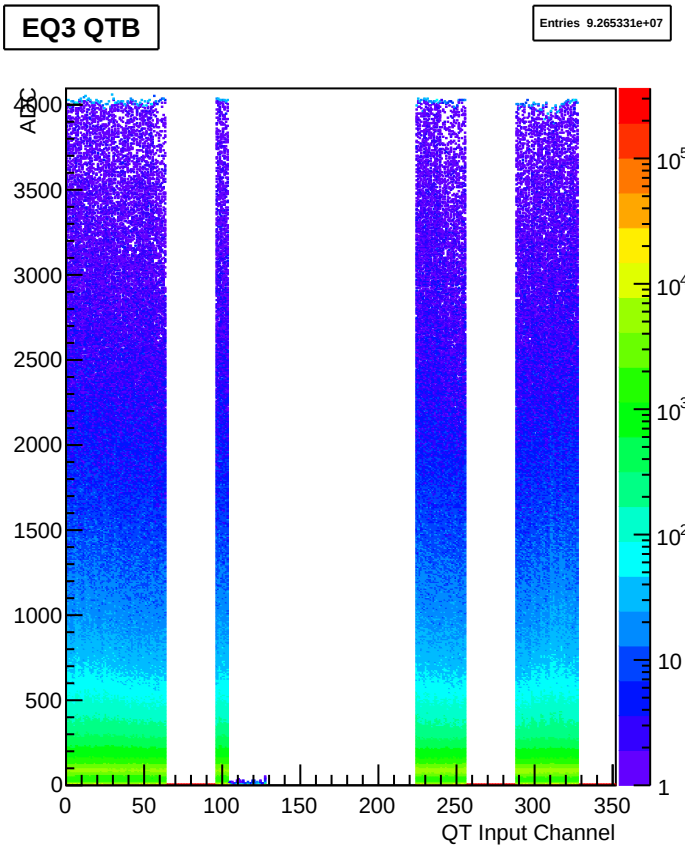

EQ1 QTC
Entries 3.474499e+07
TADC
QT Input Channel

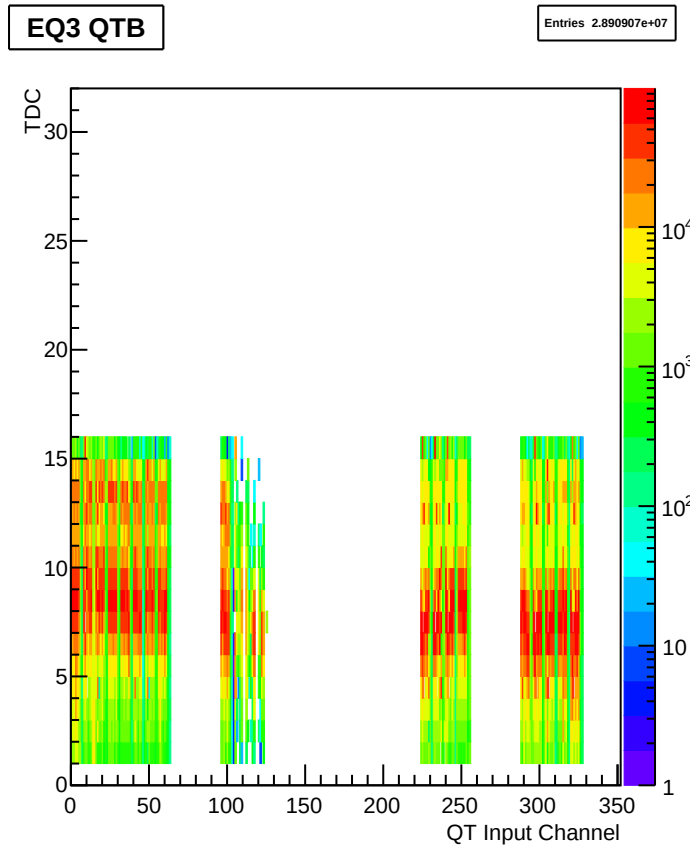

EQ2 QTB
Entries 1.04235e+08
ADC
QT Input Channel

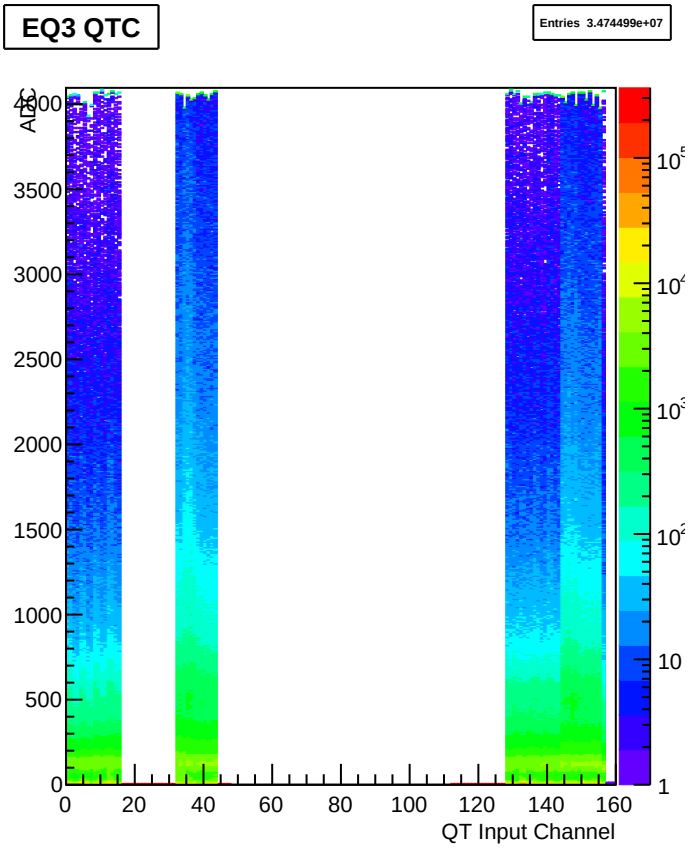

EQ2 QTB
Entries 3.560978e+07
TDC
QT Input Channel

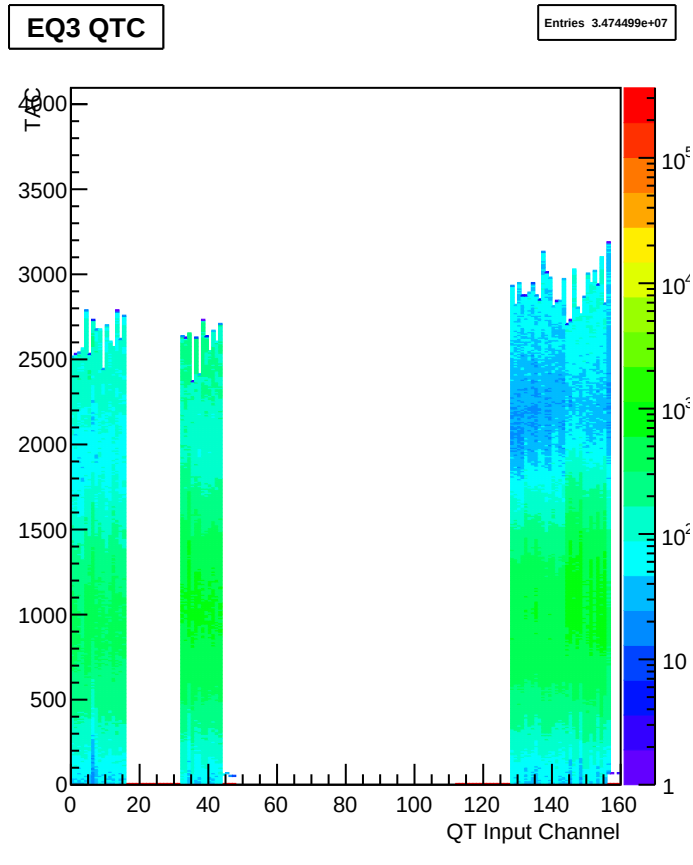

EQ2 QTC
Entries 3.474499e+07
ADC
QT Input Channel

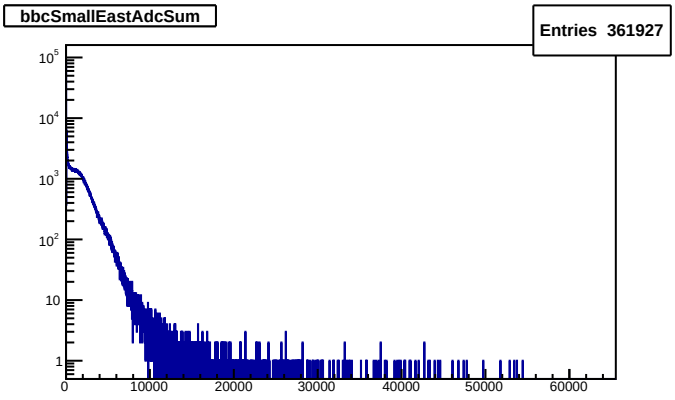

EQ2 QTC
Entries 3.474499e+07
TADC
QT Input Channel

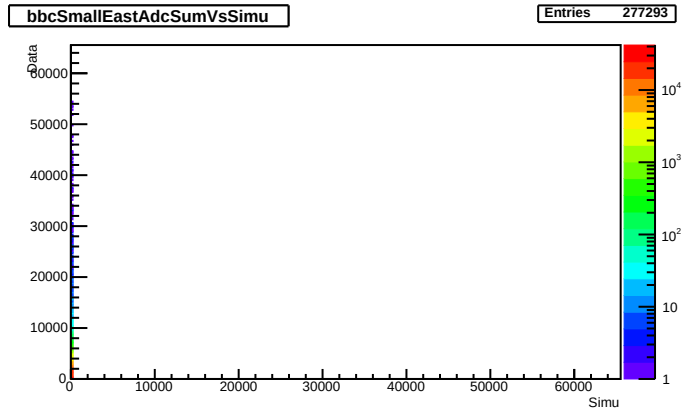

EQ3 QTB
Entries 9.265331e+07
ADC
QT Input Channel

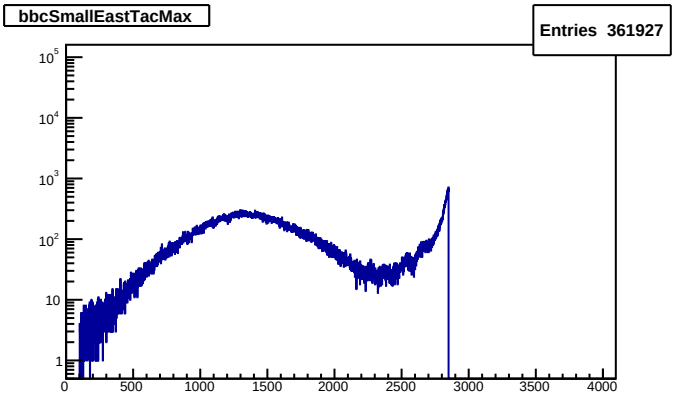

EQ3 QTB
Entries 2.890907e+07
TDC
QT Input Channel

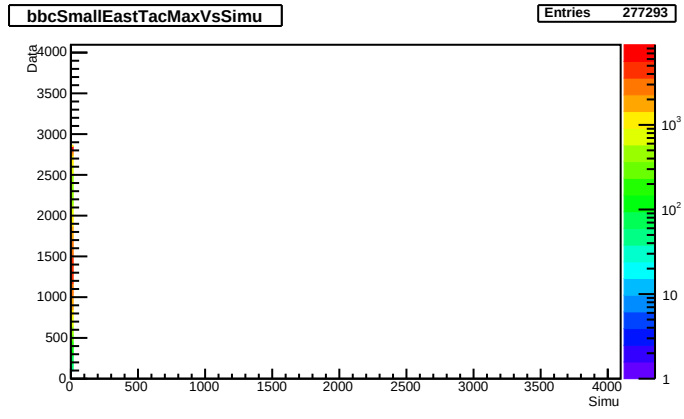

EQ3 QTC
Entries 3.474499e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.474499e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 361927


bbcSmallEastAdcSumVsSimu
Entries 277293
Data
Simu


bbcSmallEastTacMax
Entries 361927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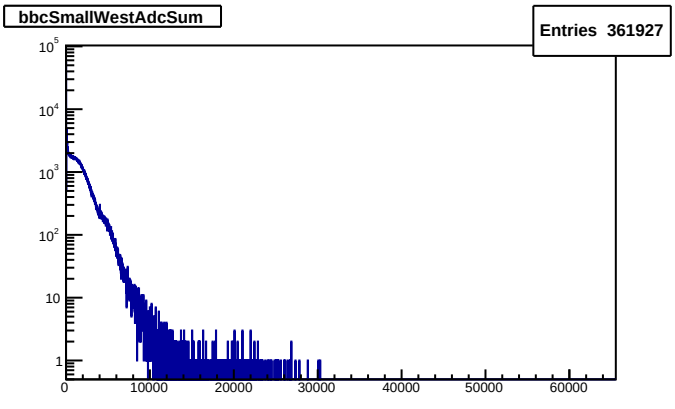
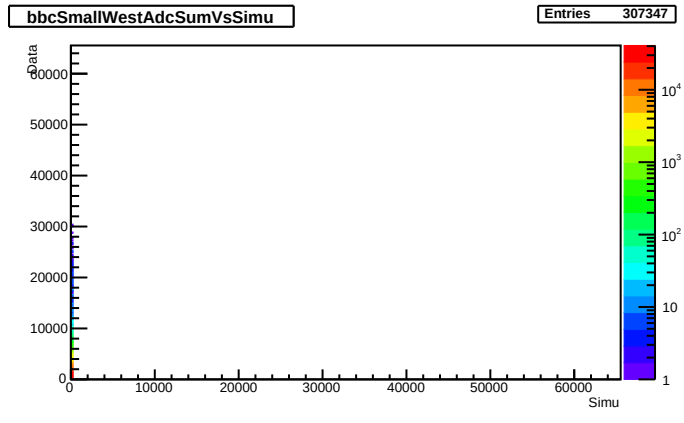
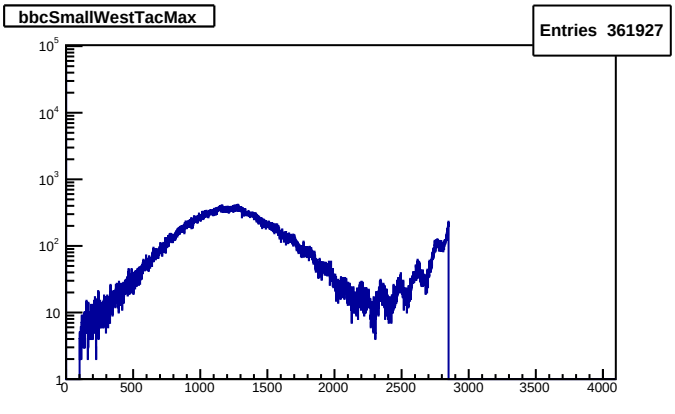
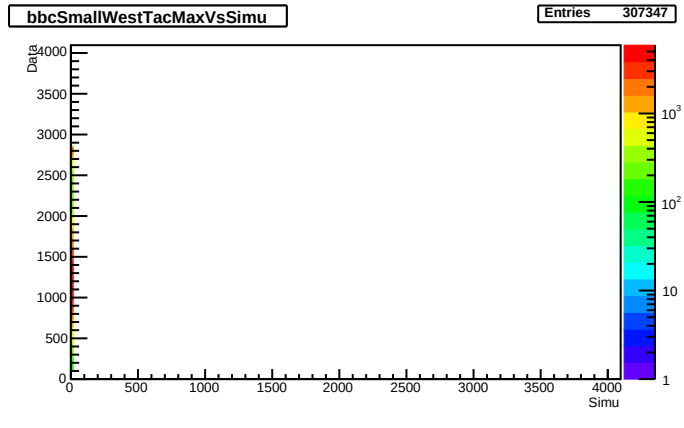
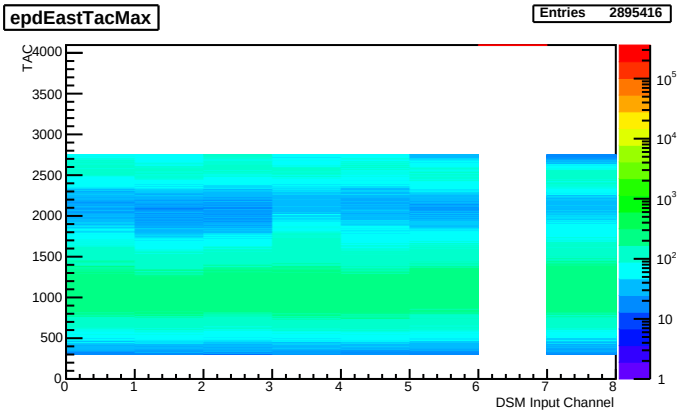
Entries 277293
Data
Simu

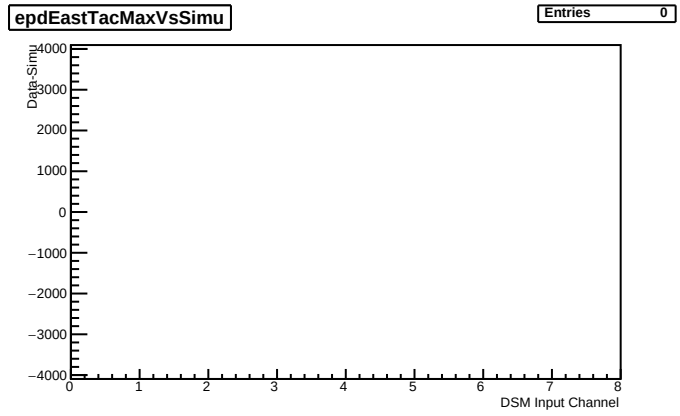

bbcSmallWestAdcSum
Entries 361927

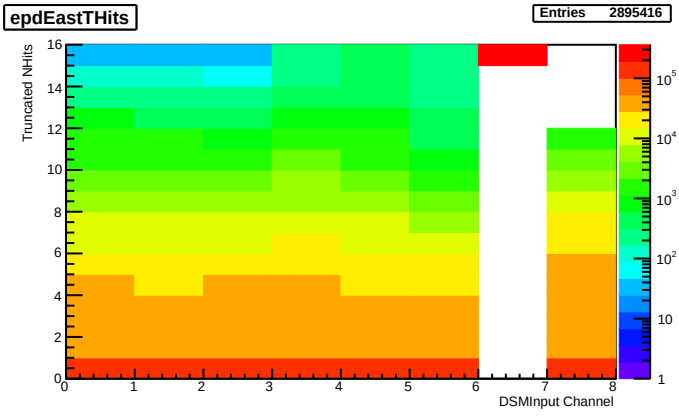

bbcSmallWestAdcSumVsSimu
Entries 307347
Data
Simu

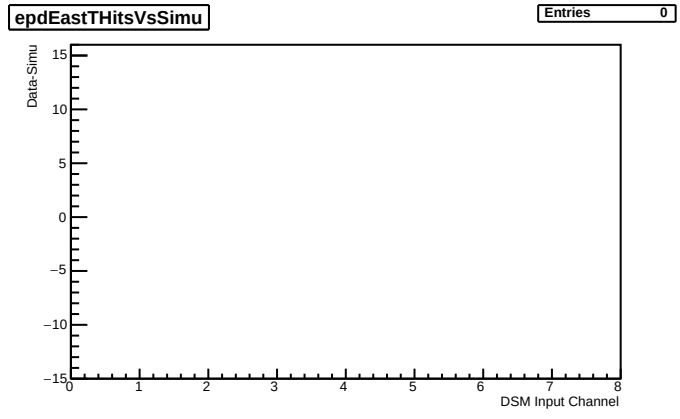

bbcSmallWestTacMax
Entries 361927


bbcSmallWestTacMaxVsSimu
Entries 307347
Data
Simu


epdEastTacMax
Entries 2895416
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2895416
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
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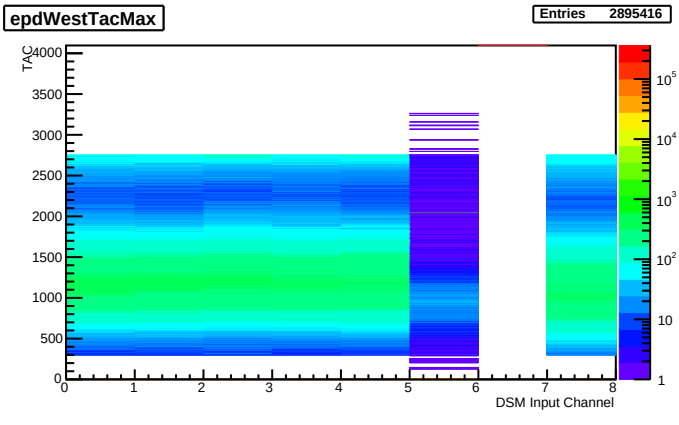
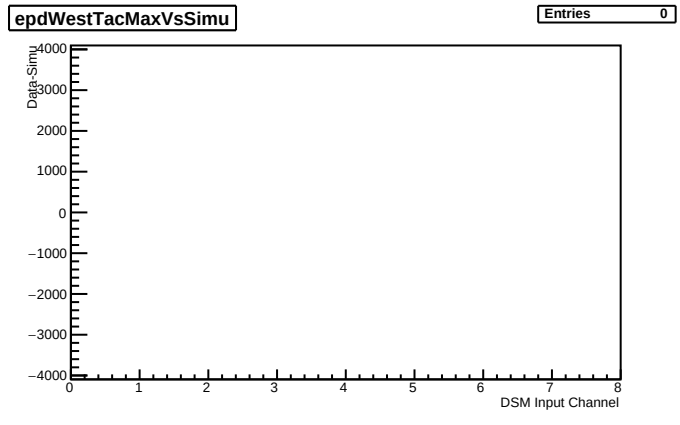
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 2895416
TAC
DSM Input Channel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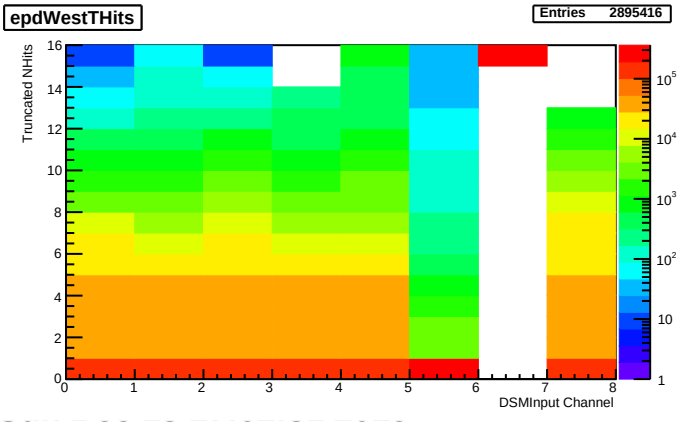
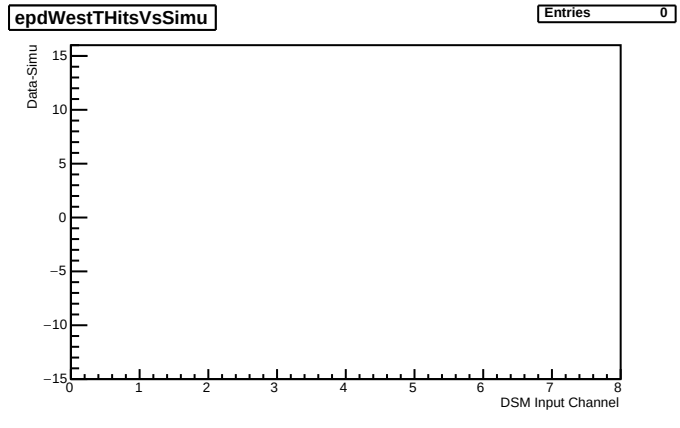
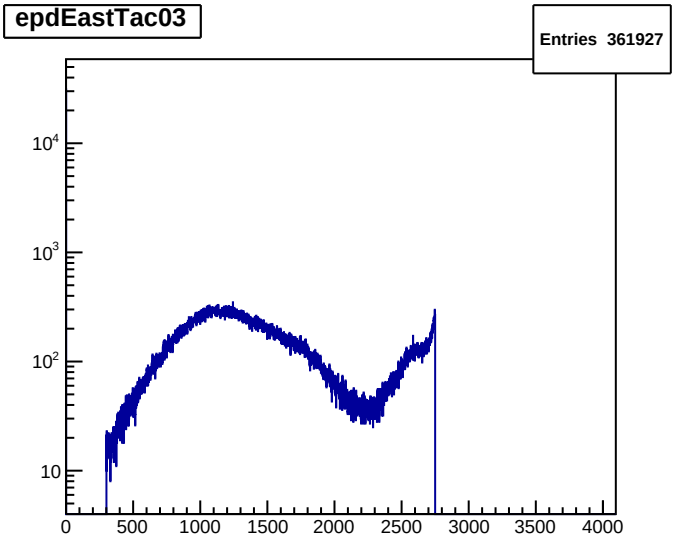
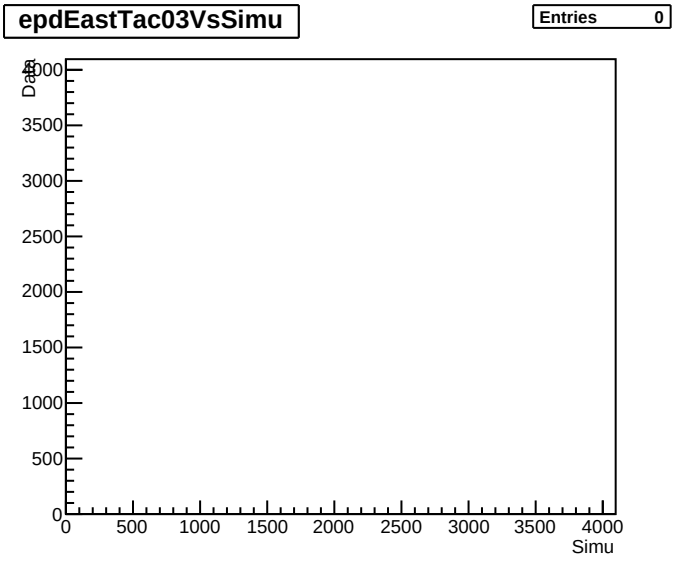
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2895416
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 361927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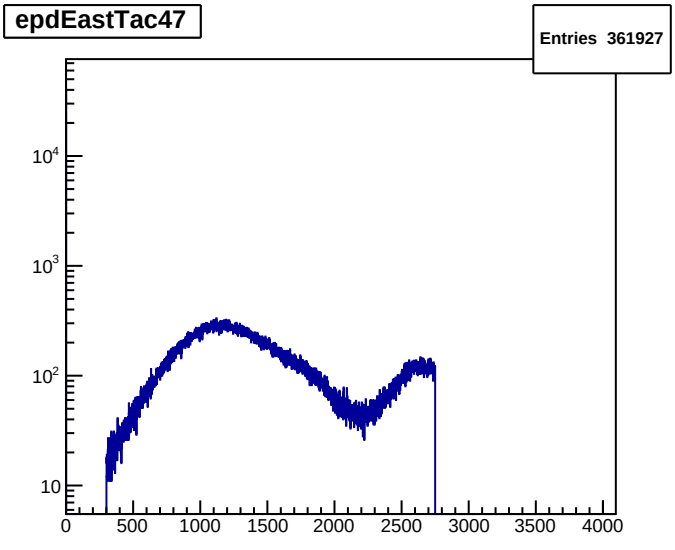
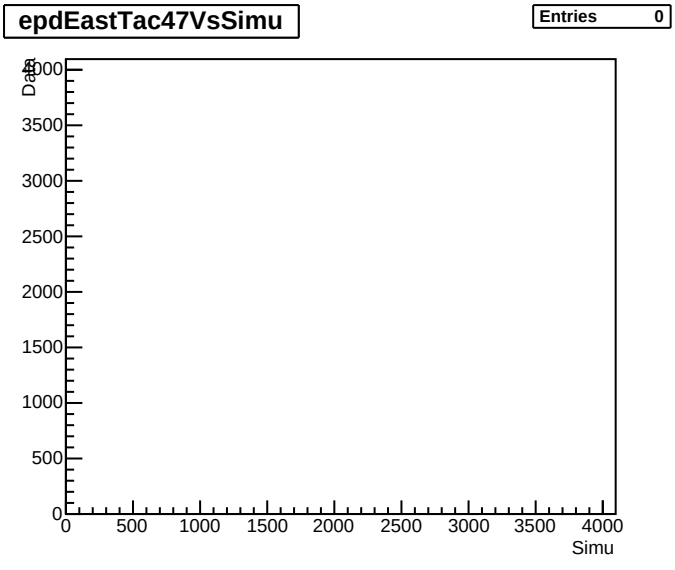
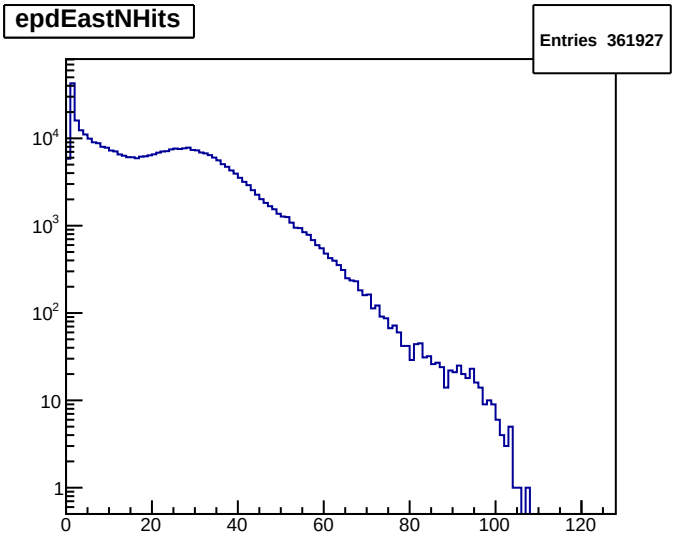
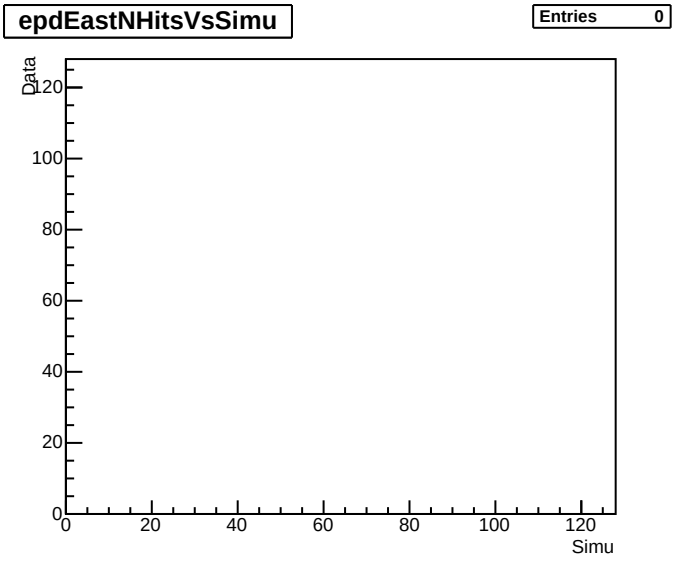
Entries 0
Data
Simu


epdEastTac47
Entries 361927


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 361927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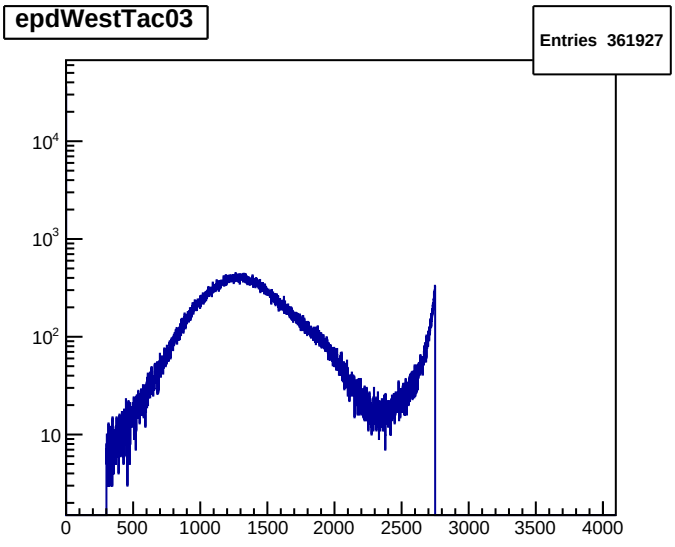
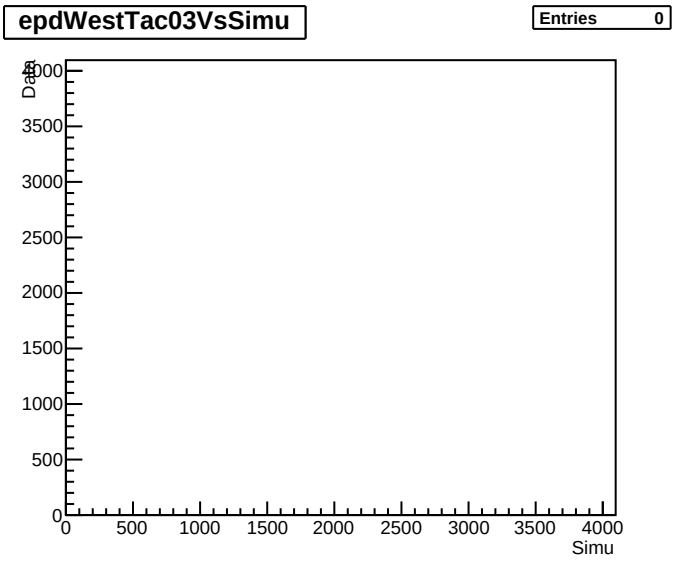
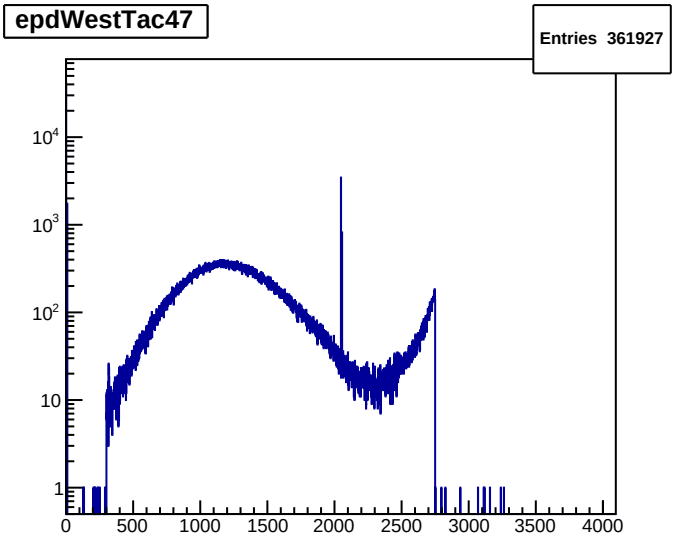
Entries 0
Data
Simu


epdWestTac03
Entries 361927


epdWestTac03VsSimu
Entries 0
Data
Simu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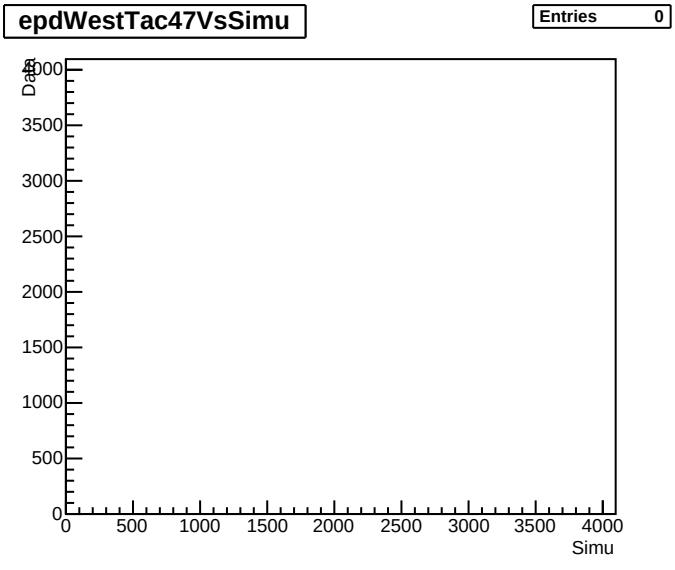
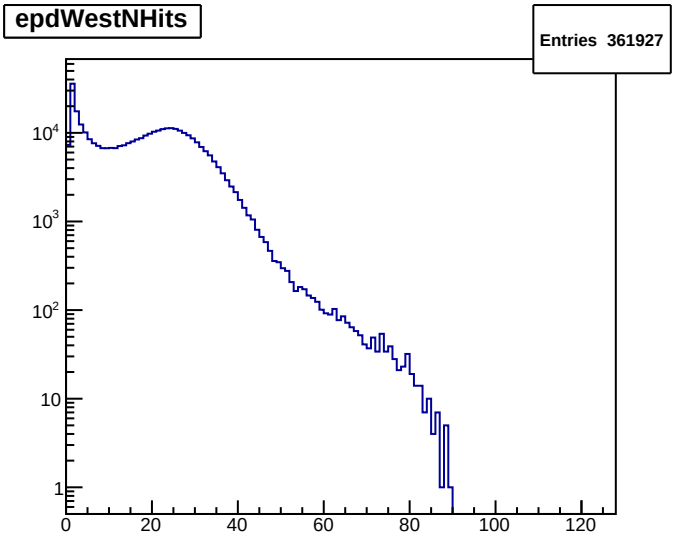
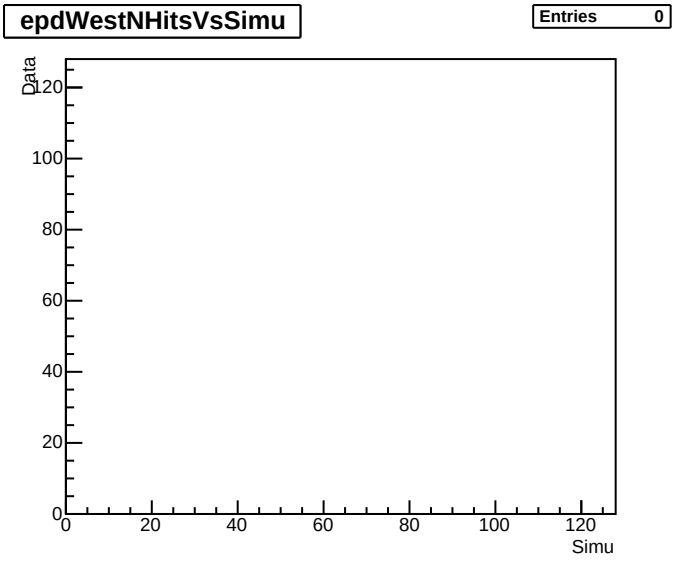
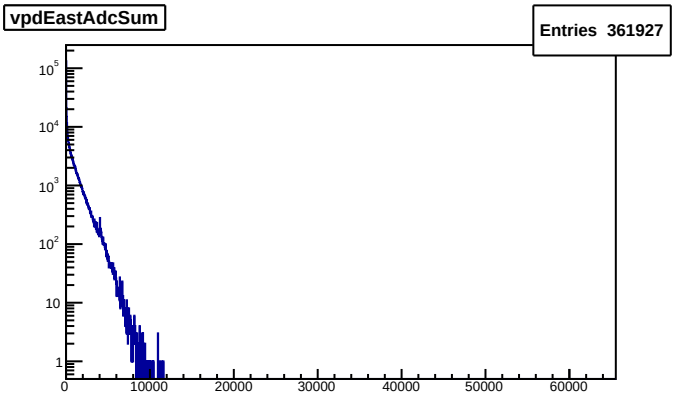
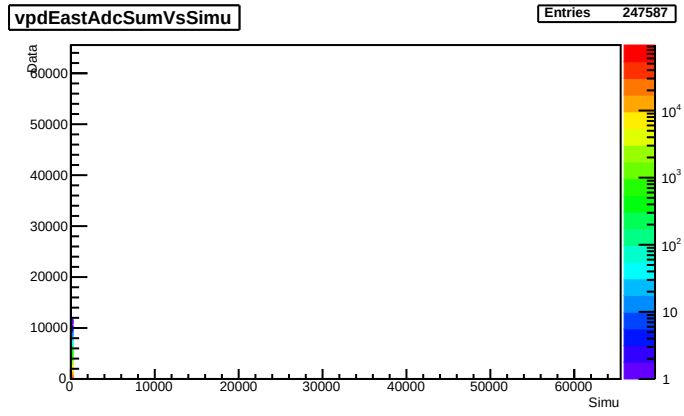
Entries 361927

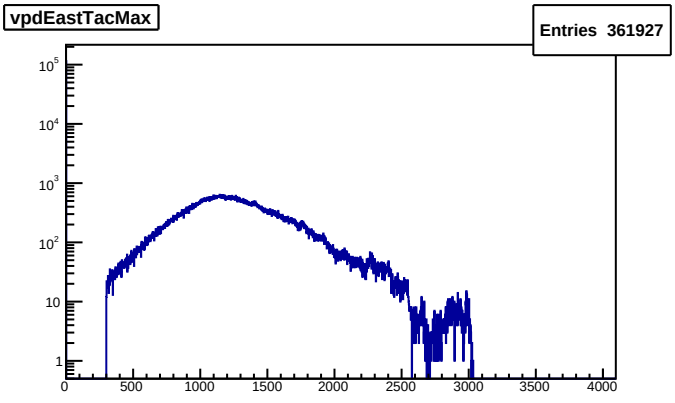

epdWestTac47VsSimu
Entries 0
Data
Simu

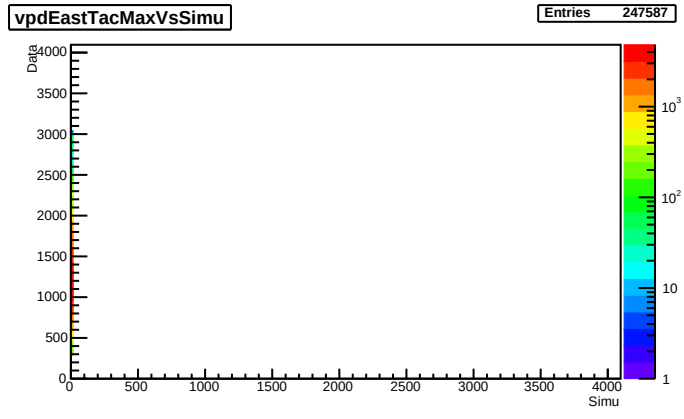

epdWestNHits
Entries 361927

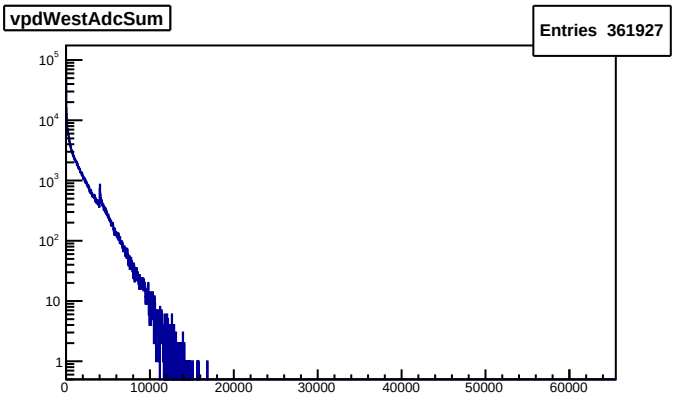

epdWestNHitsVsSimu
Entries 0
Data
Simu

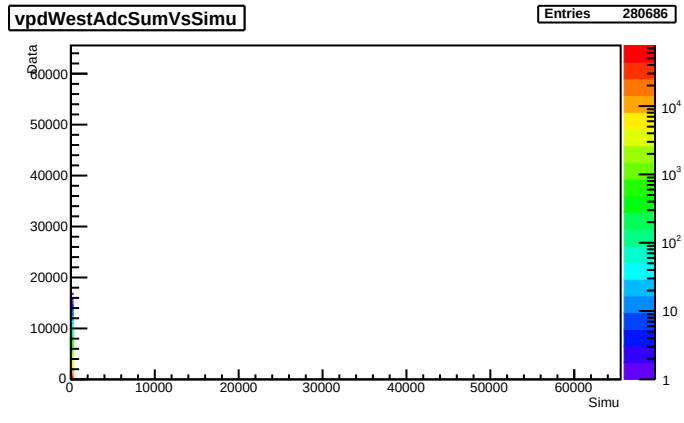

vpdEastAdcSum
Entries 361927

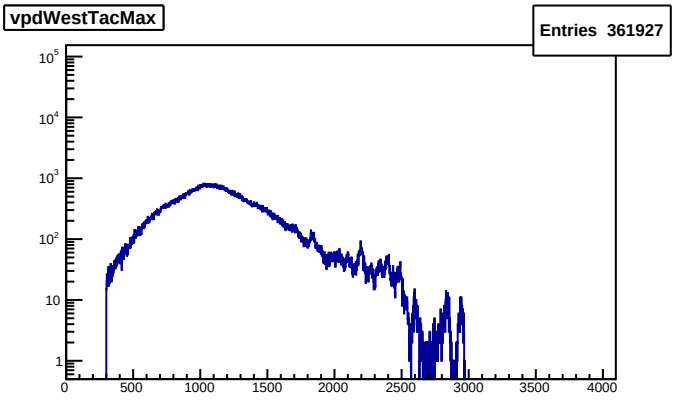

vpdEastAdcSumVsSimu
Entries 247587
Data
Simu

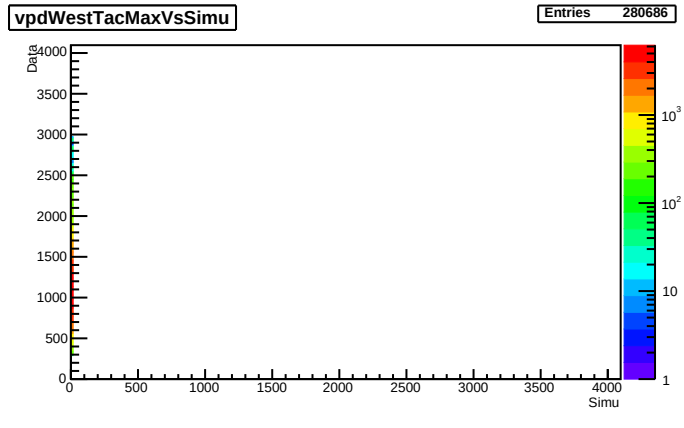

vpdEastTacMax
Entries 361927

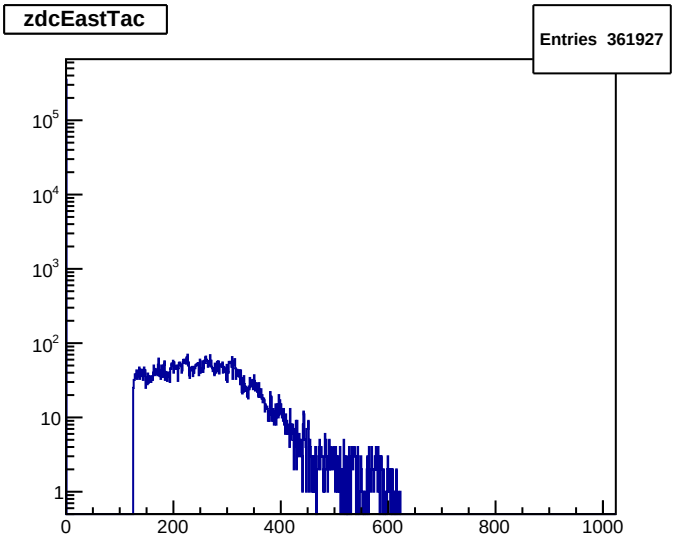

vpdEastTacMaxVsSimu
Entries 247587
Data
Simu

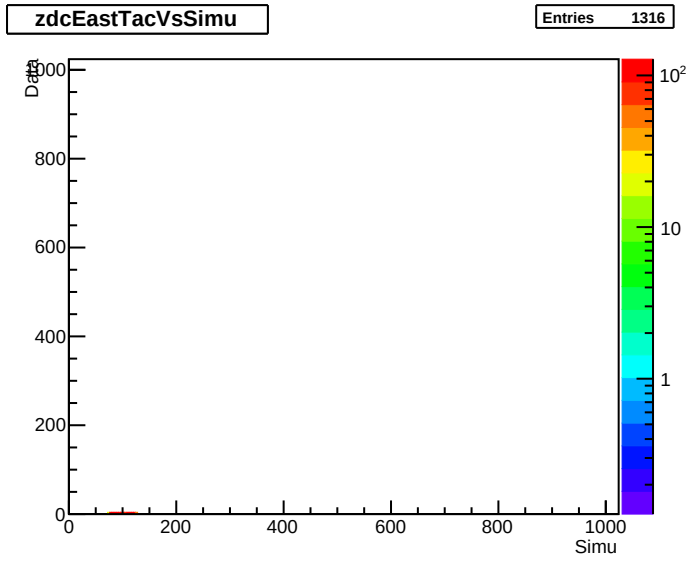

vpdWestAdcSum
Entries 361927

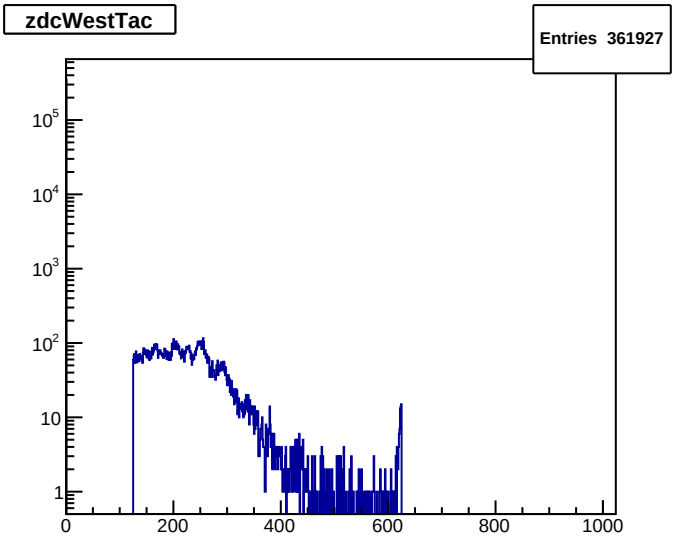

vpdWestAdcSumVsSimu
Entries 280686
Data
Simu

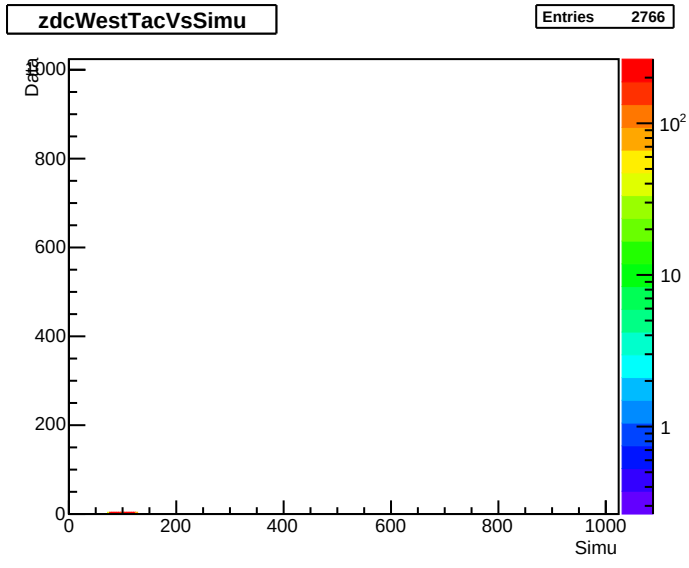

vpdWestTacMax
Entries 361927

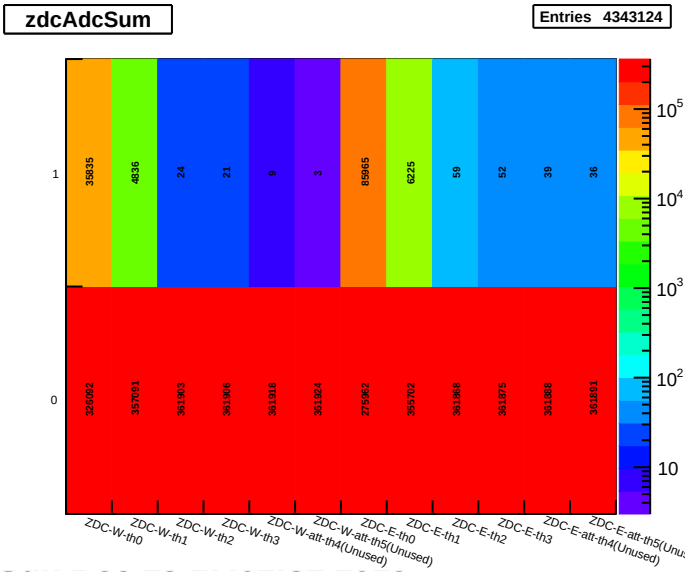

vpdWestTacMaxVsSimu
Entries 280686
Data
Simu

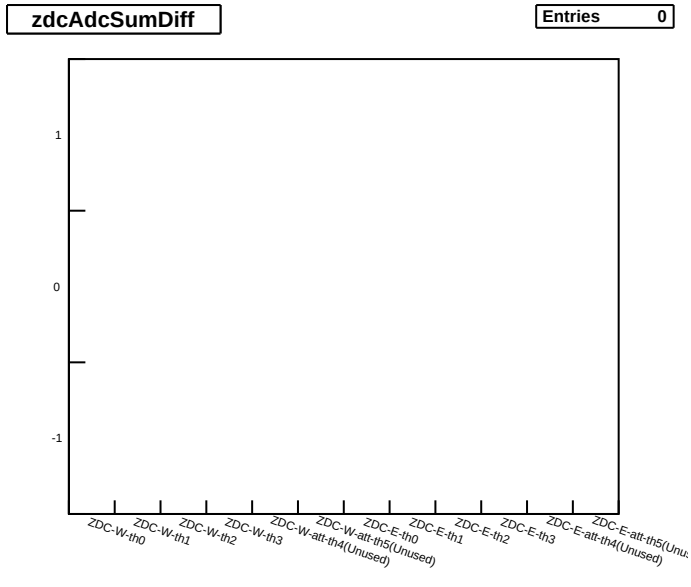

zdcEastTac
Entries 361927

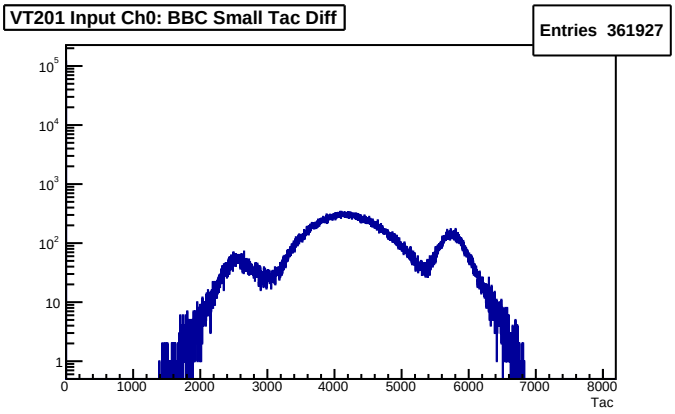

zdcEastTacVsSimu
Entries 1316
Data
Simu

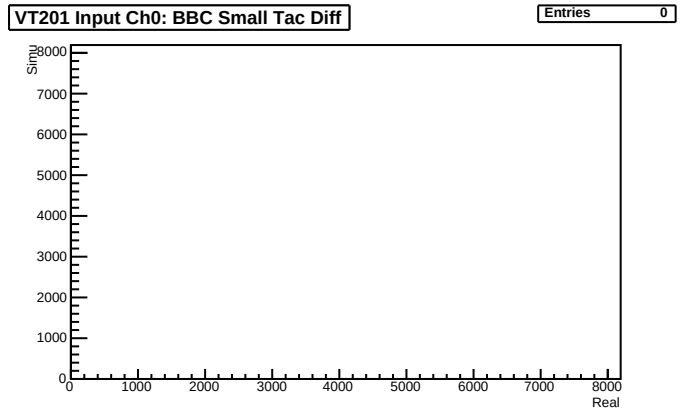

zdcWestTac
Entries 361927

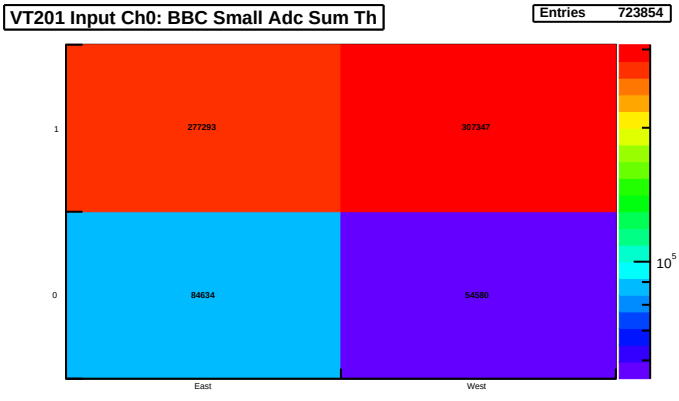

zdcWestTacVsSimu
Entries 2766
Data
Simu

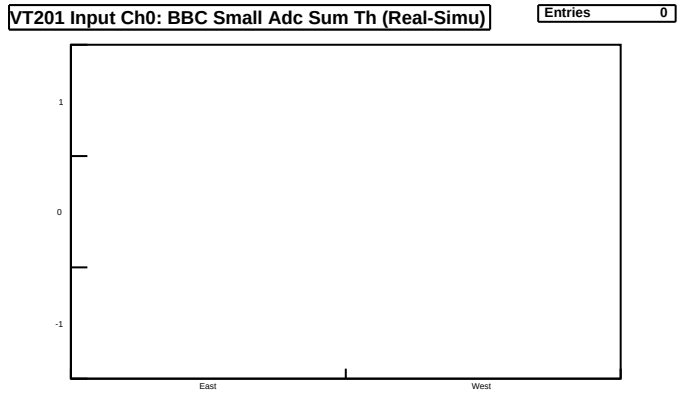

zdcAdcSum
Entries 4343124
35835
4836
24
21
9
3
85965
6225
59
52
39
36
326092
357091
361903
361906
361918
361924
275962
355702
361868
361875
361888
361891
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

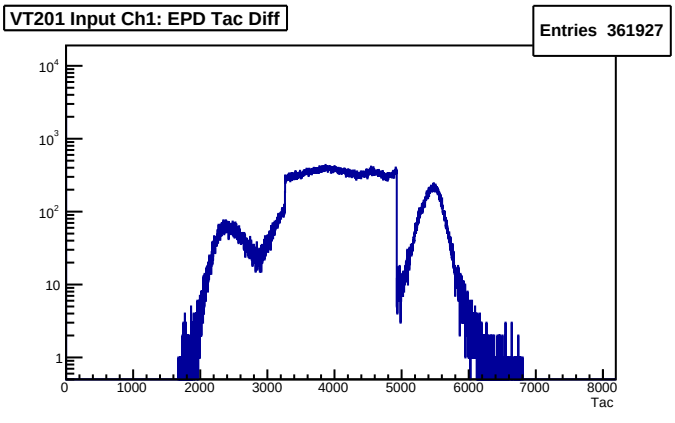

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

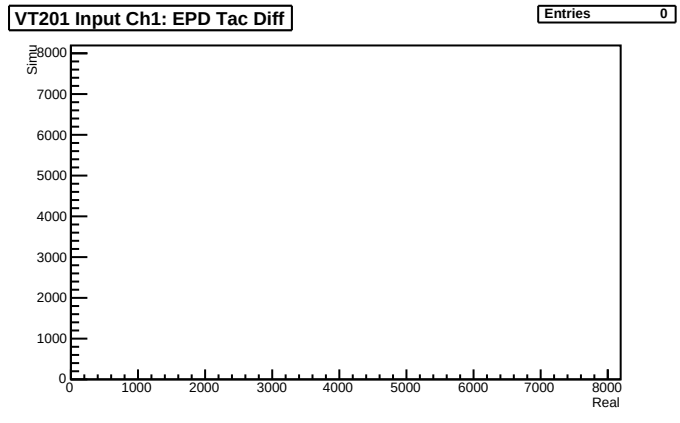

VT201 Input Ch0: BBC Small Tac Diff
Entries 361927
Tac

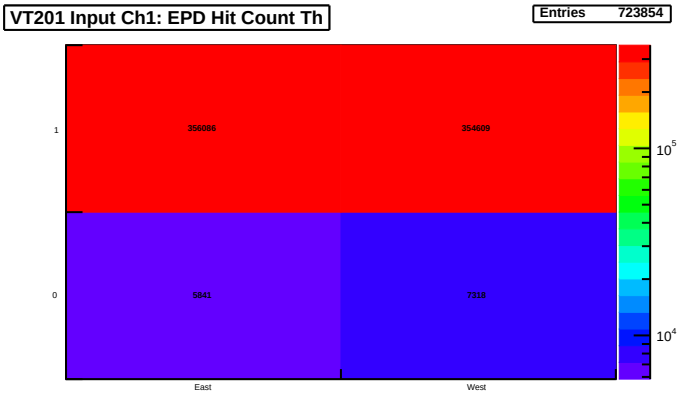

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

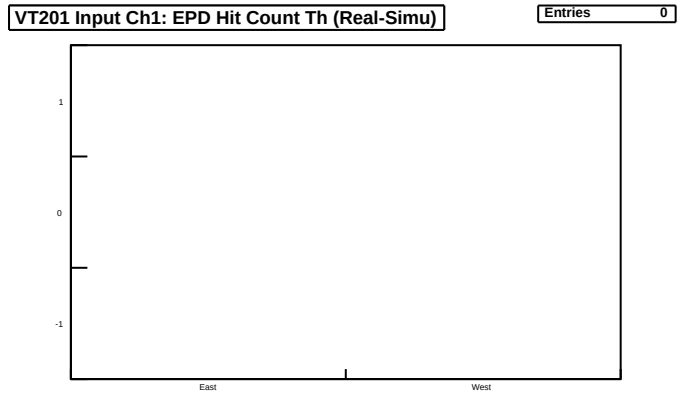

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 723854
277293
307347
84634
54580
East
West

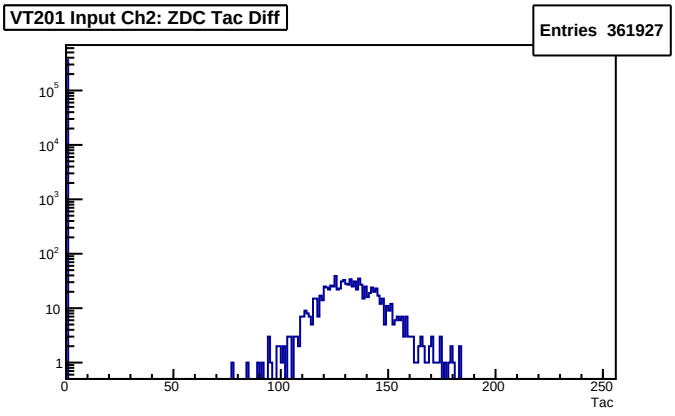

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

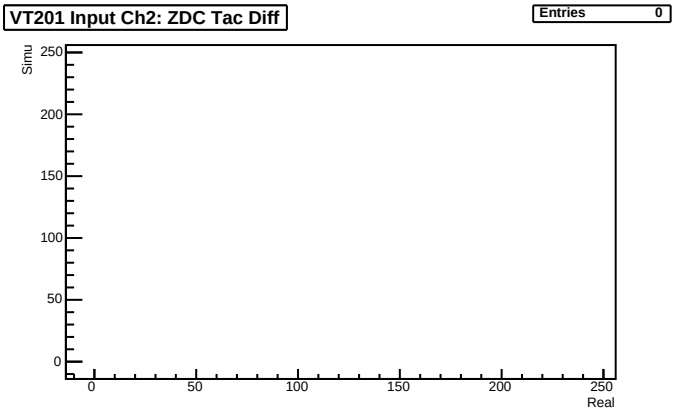

VT201 Input Ch1: EPD Tac Diff
Entries 361927
Tac

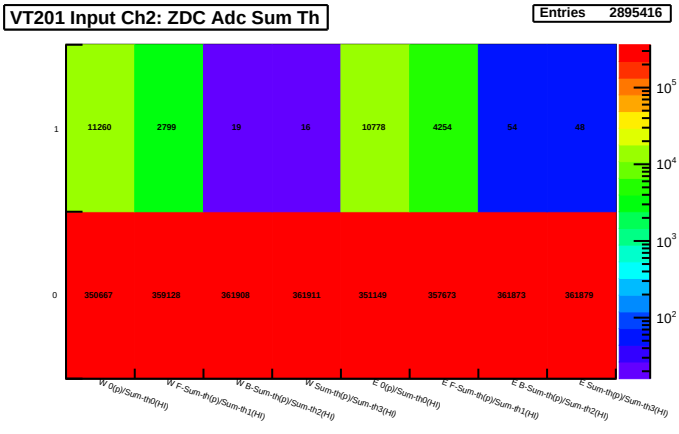

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

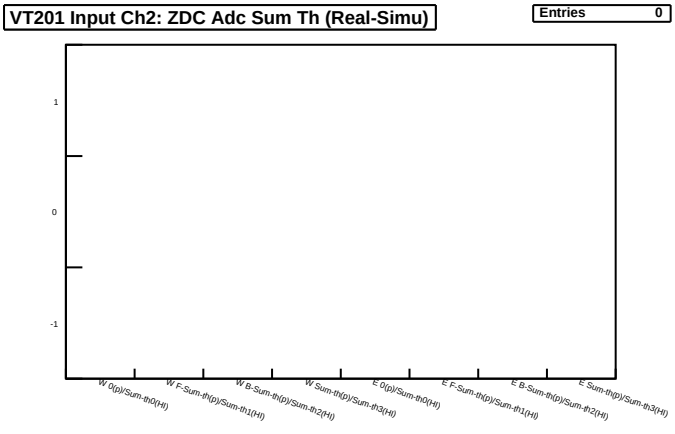

VT201 Input Ch1: EPD Hit Count Th
Entries 723854
356086
354609
5841
7318
East
West

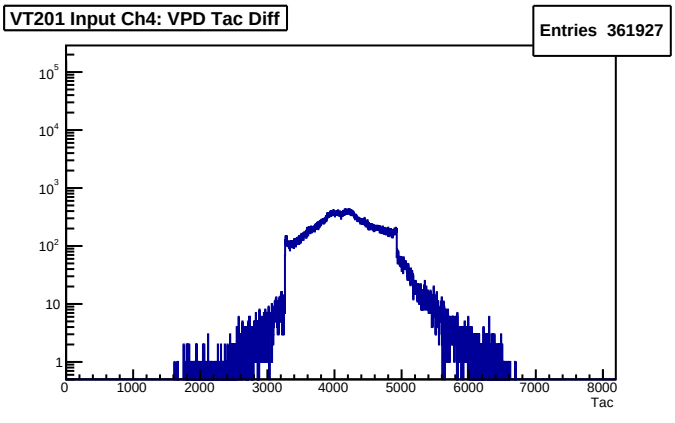

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

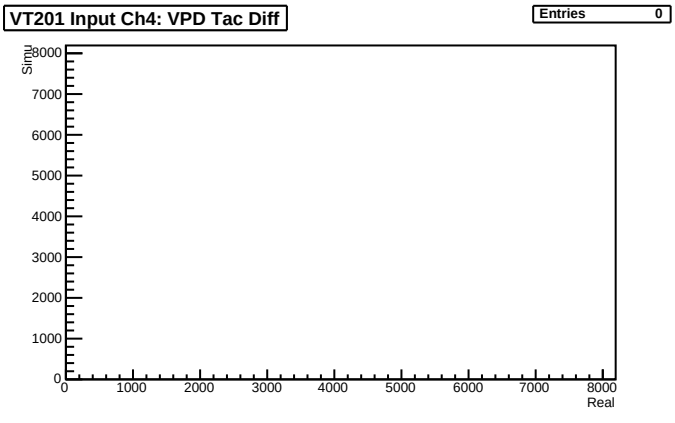

VT201 Input Ch2: ZDC Tac Diff
Entries 361927
Tac

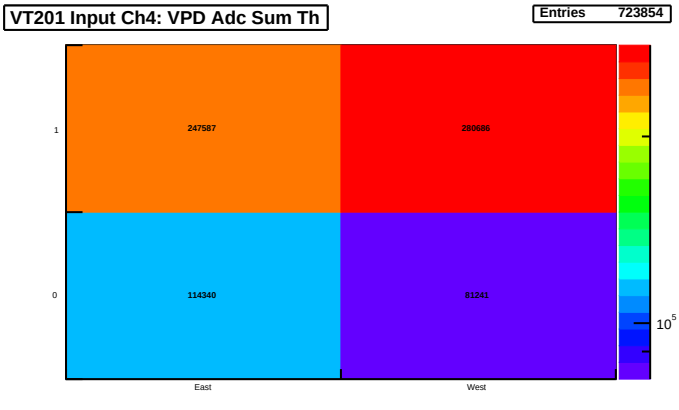

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

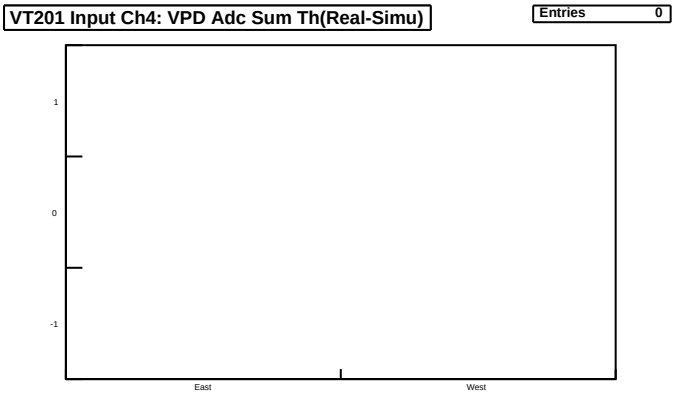

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2895416
11260
2799
19
16
10778
4254
54
48
350667
359128
361908
361911
351149
357673
361873
361879
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

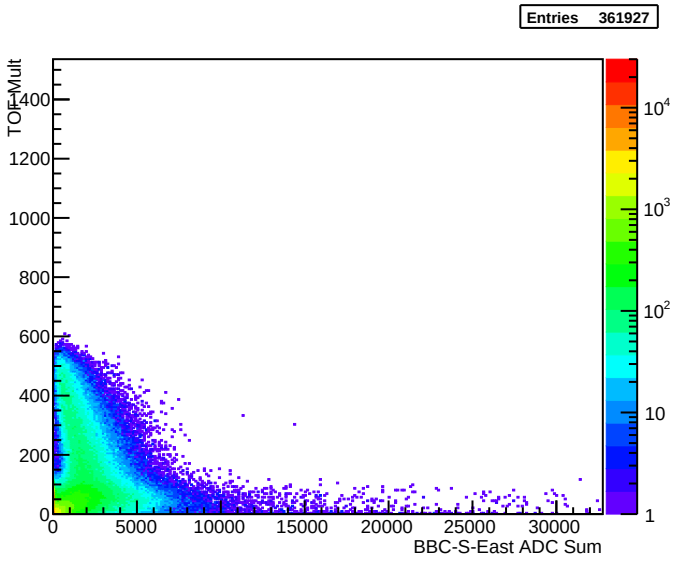

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

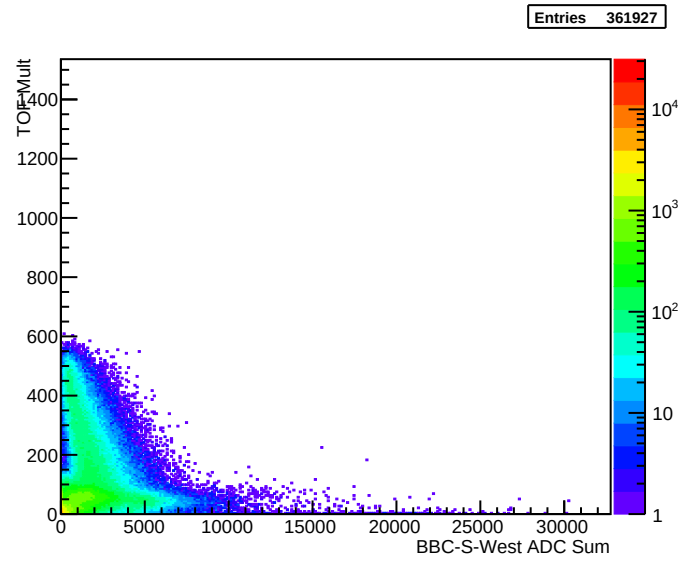

VT201 Input Ch4: VPD Tac Diff
Entries 361927
Tac

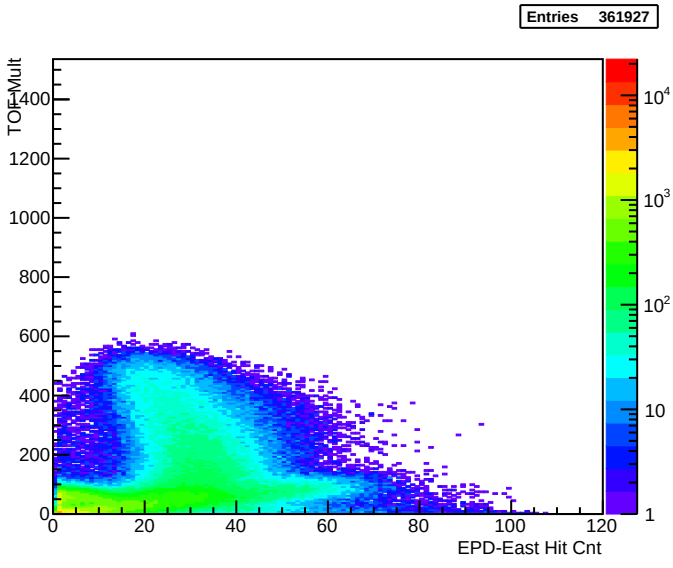

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

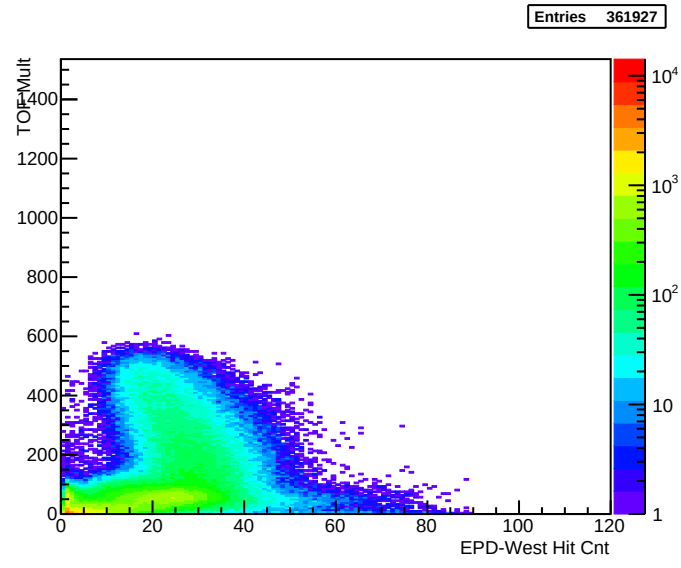

VT201 Input Ch4: VPD Adc Sum Th
Entries 723854
247587
280686
114340
81241
East
West

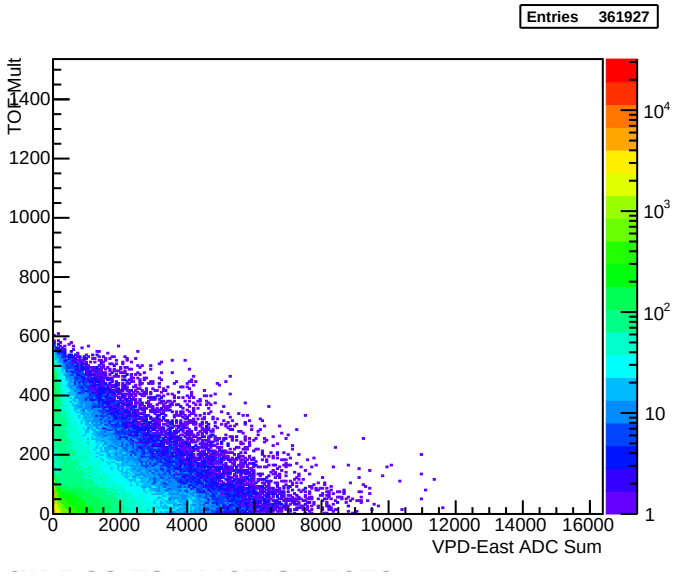

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

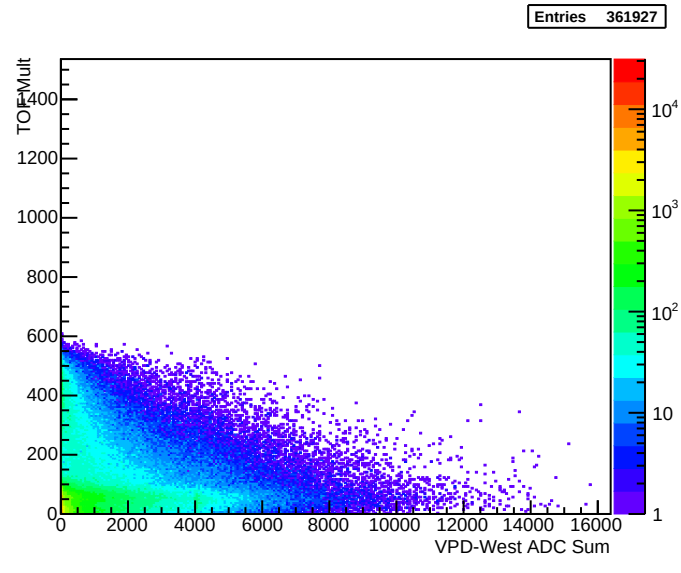

Entries 361927
TOF-Mult
BBC-S-East ADC Sum

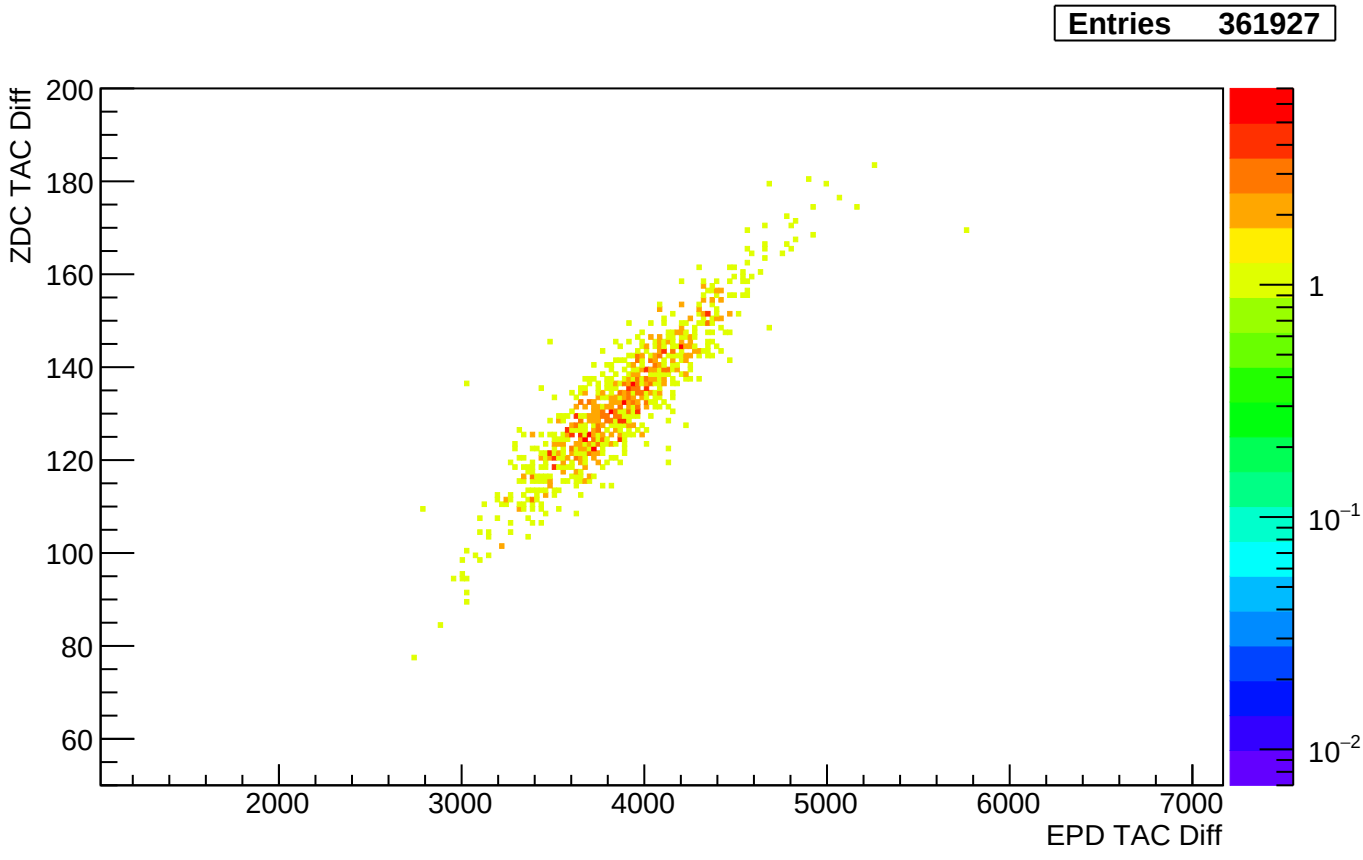

Entries 361927
TOF-Mult
BBC-S-West ADC Sum

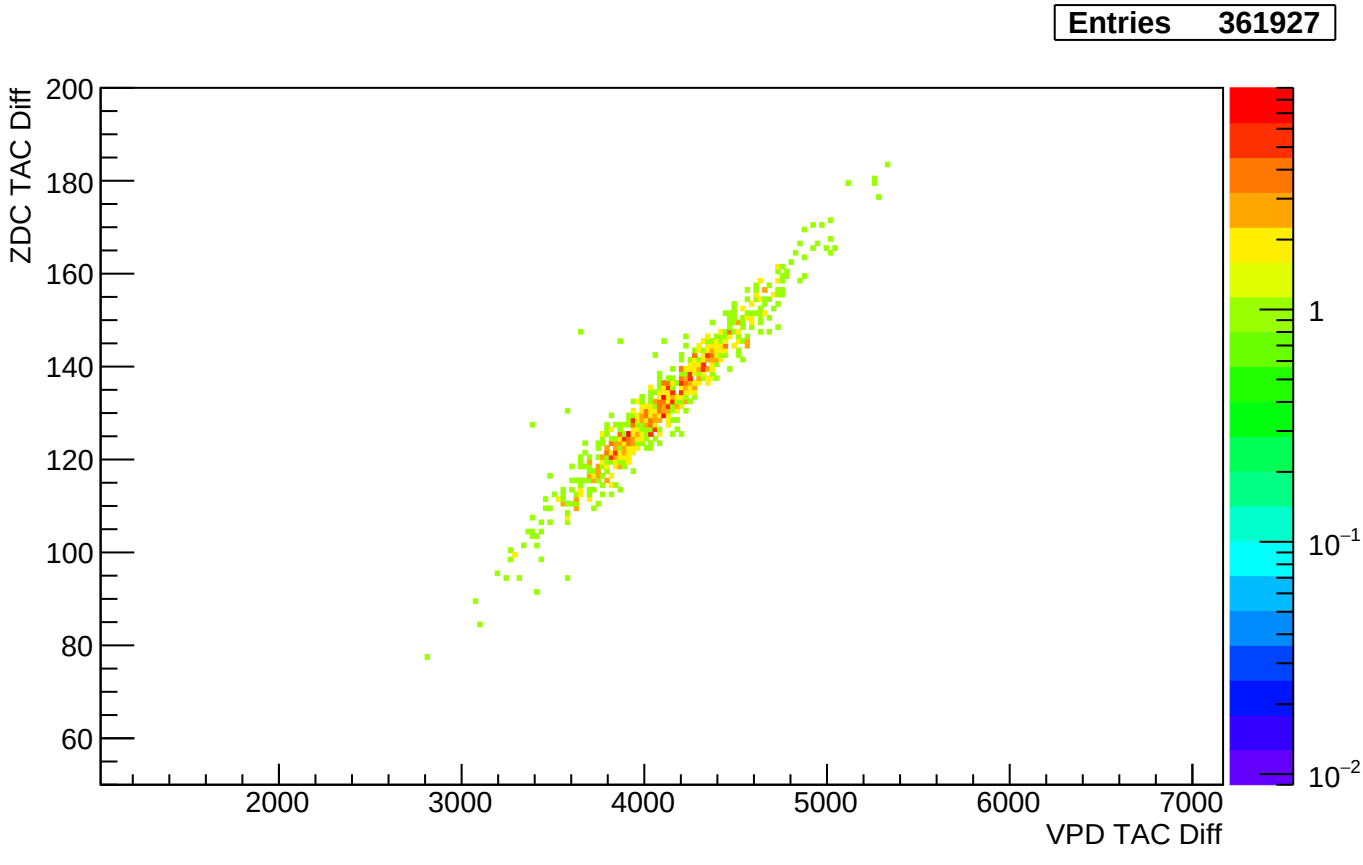

Entries 361927
TOF-Mult
EPD-East Hit Cnt

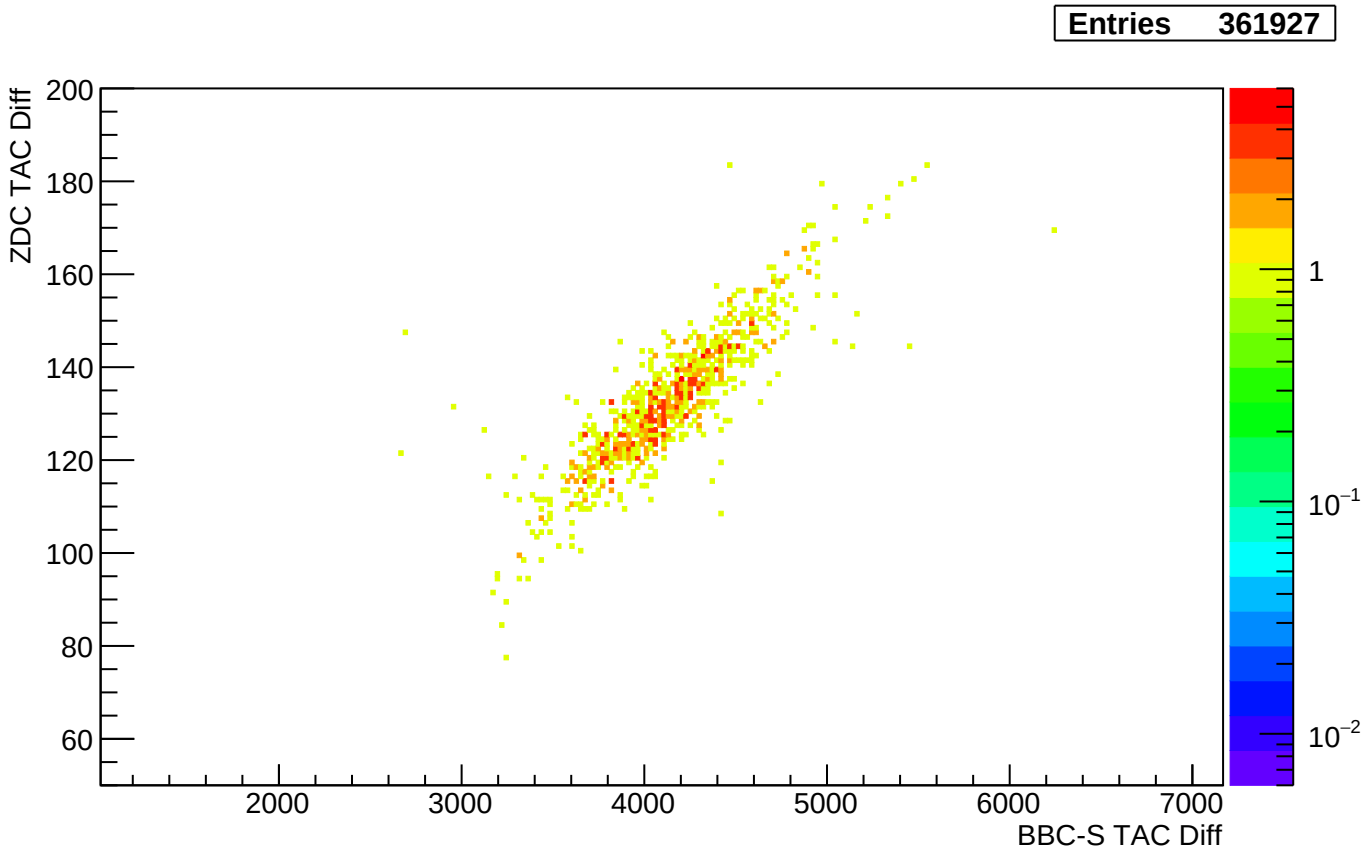

Entries 361927
TOF-Mult
EPD-West Hit Cnt

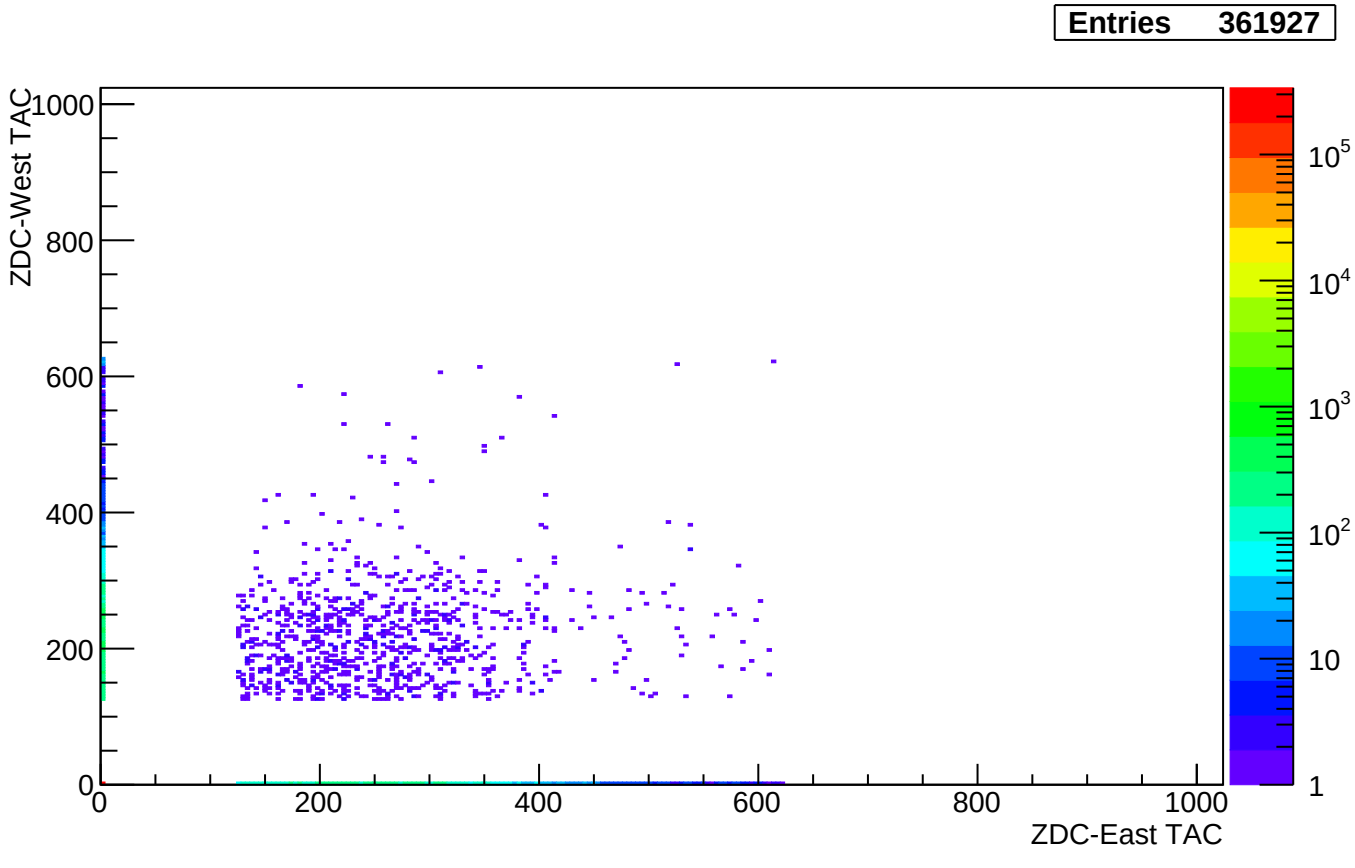

Entries 361927
TOF-Mult
VPD-East ADC Sum

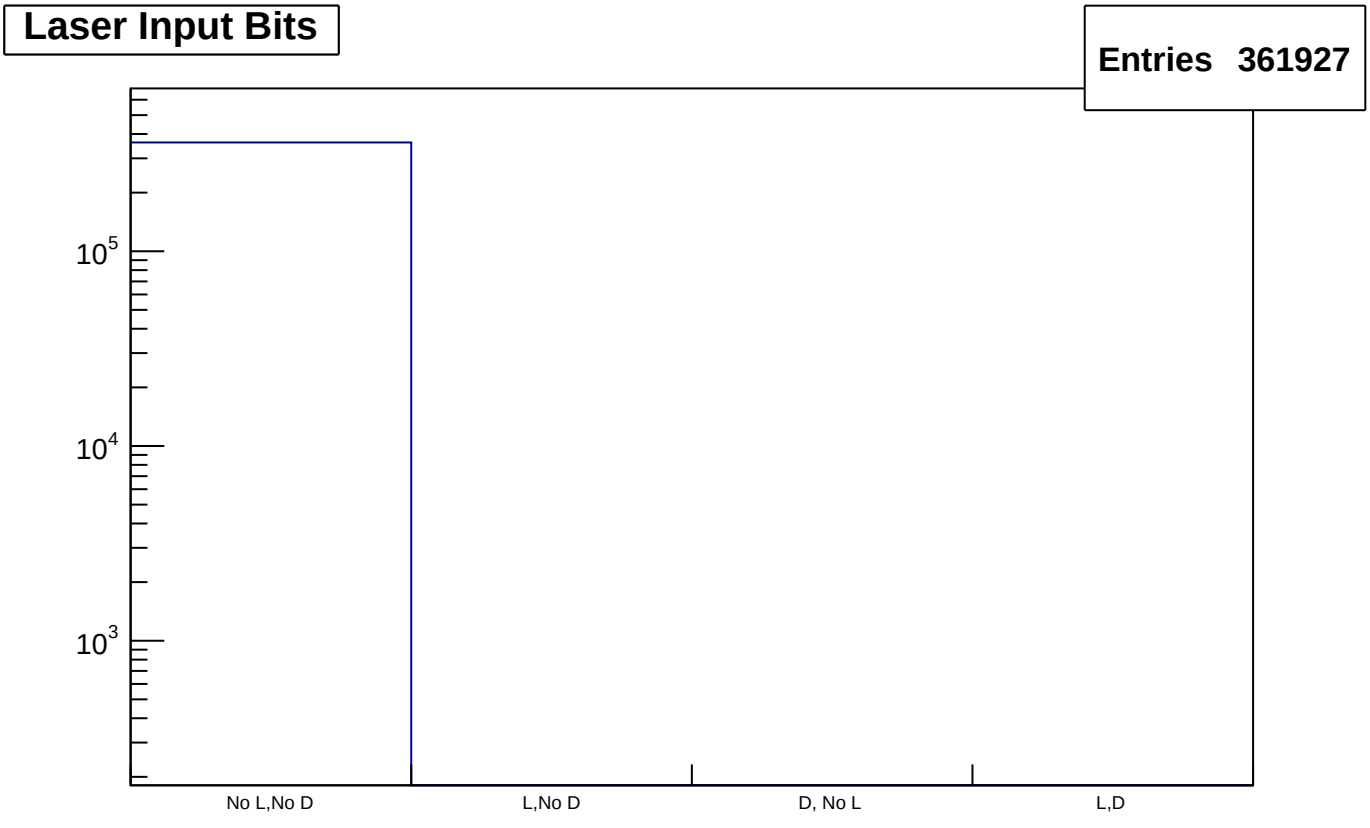

Entries 361927
TOF-Mult
VPD-West ADC Sum

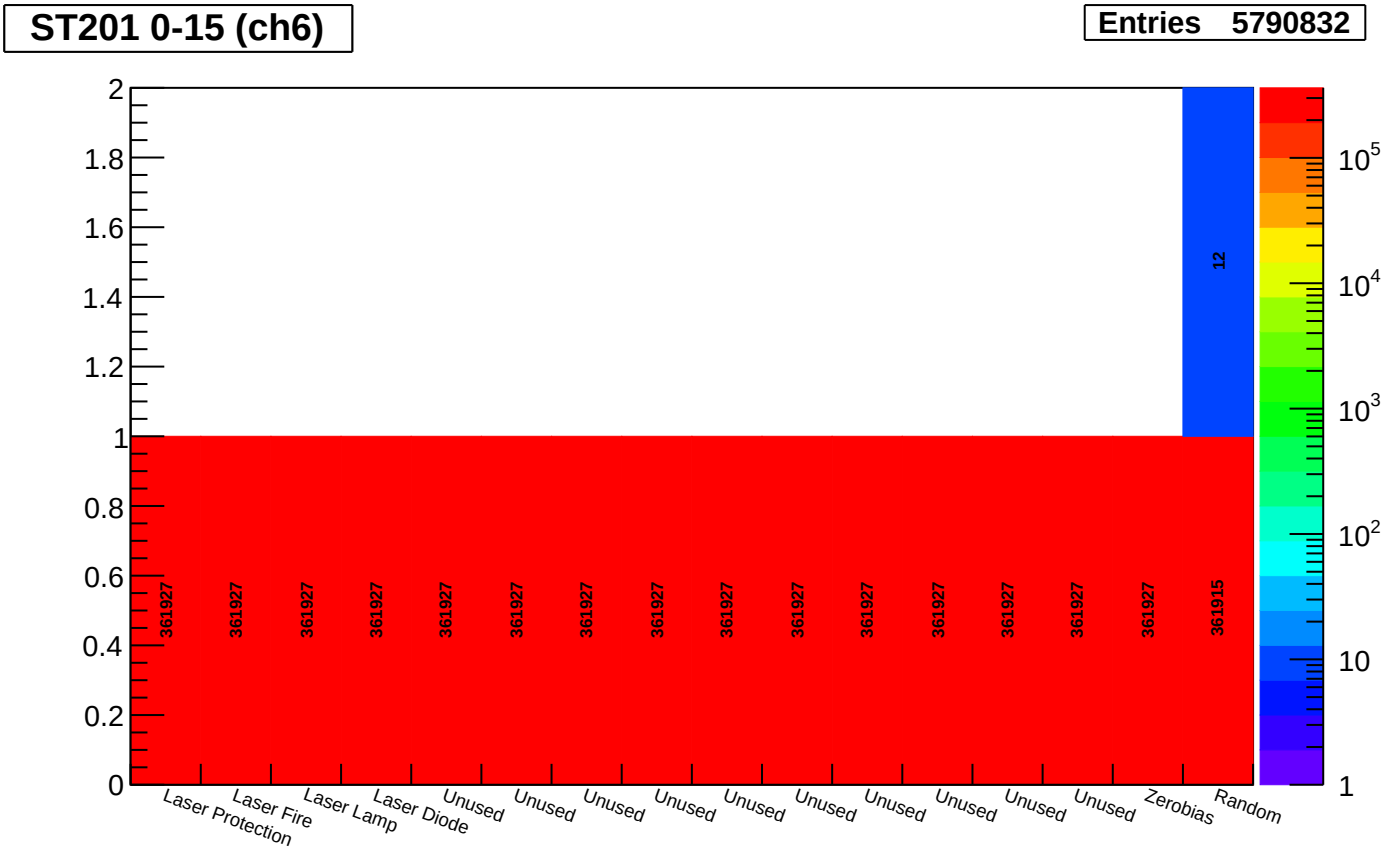

Entries 361927
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

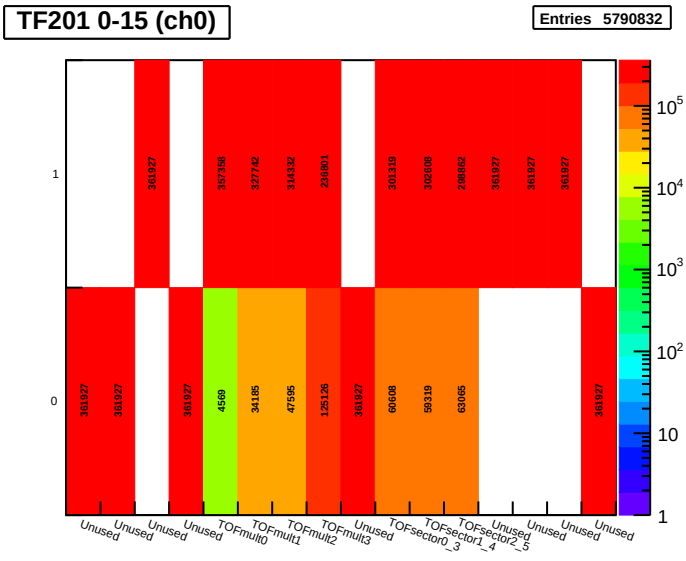

Entries 361927
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

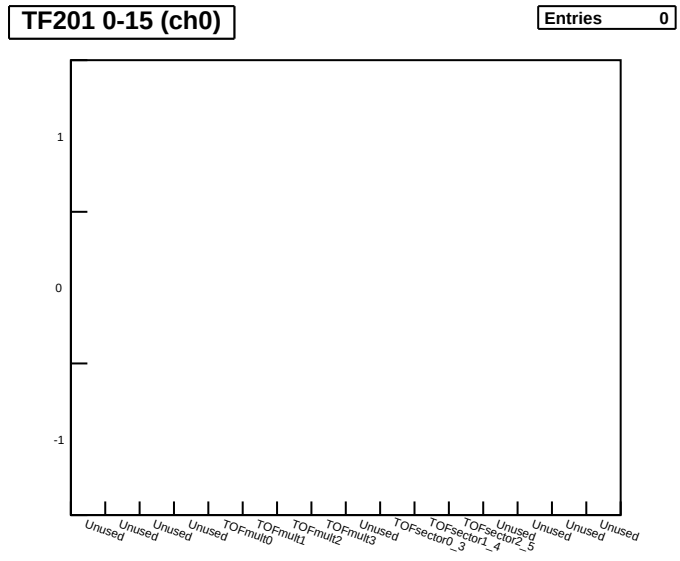

Entries 361927
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

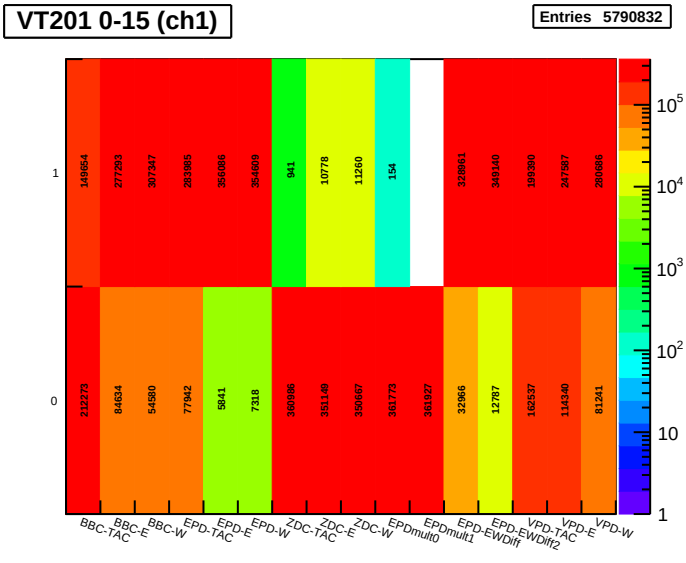

Entries 361927
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

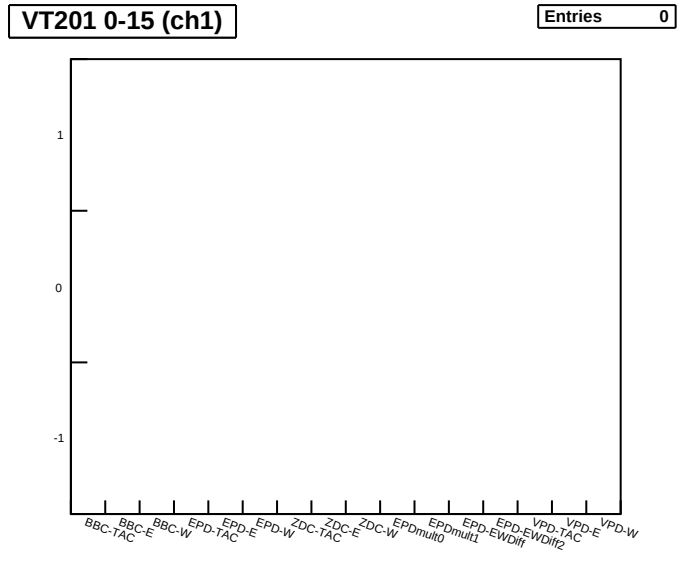

Laser Input Bits
Entries 361927
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

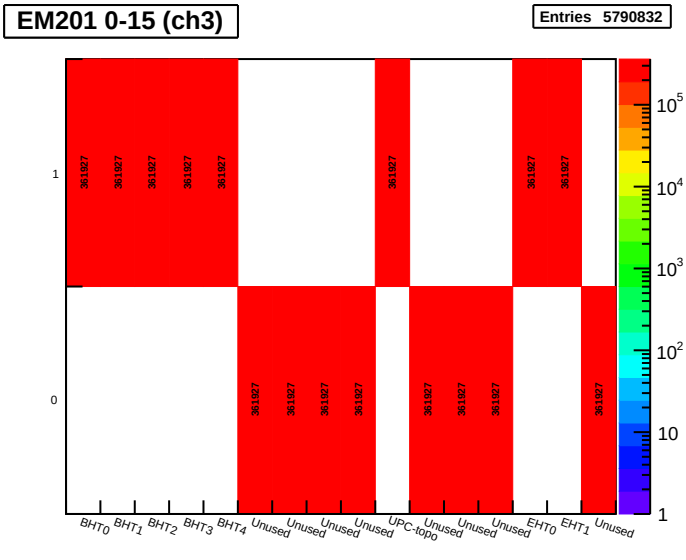

ST201 0-15 (ch6)
Entries 5790832
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
361927
361915
12
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

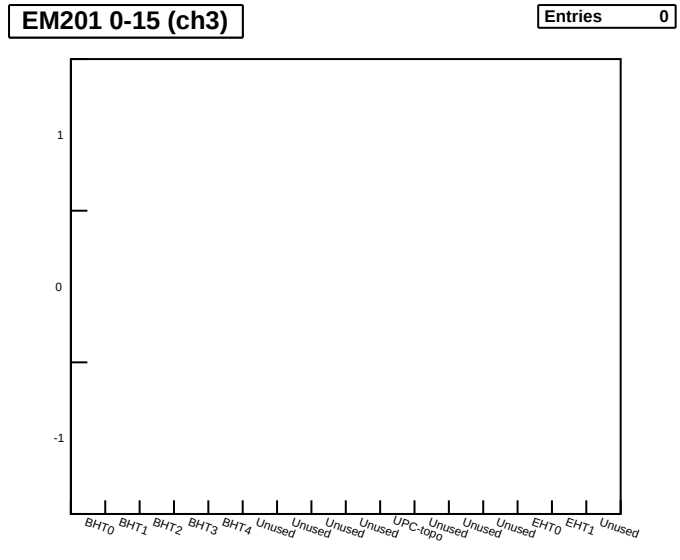

TF201 0-15 (ch0)
Entries 5790832
361927 357358 327742 314332 236801 301319 302608 298862 361927 361927 361927
361927 361927 361927 4569 34185 47595 125126 361927 60608 59319 63065 361927
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
1
0
10^5 10^4 10^3 10^2 10 1


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


VT201 0-15 (ch1)
Entries 5790832
149654 277293 307347 283985 356086 354609 941 10778 11260 154 328961 349140 199390 247987 280686
212273 84634 54580 77942 5841 7318 360986 353149 350667 361773 361927 32966 12787 162537 114340 81241
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
1
0
10^5 10^4 10^3 10^2 10 1


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
1
0
-1


EM201 0-15 (ch3)
Entries 5790832
361927 361927 361927 361927 361927 361927 361927 361927
361927 361927 361927 361927 361927 361927 361927 361927
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1
0
10^5 10^4 10^3 10^2 10 1


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