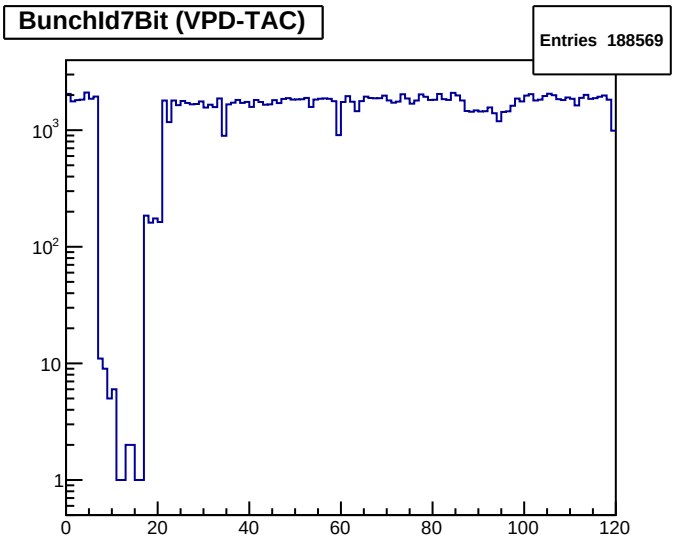
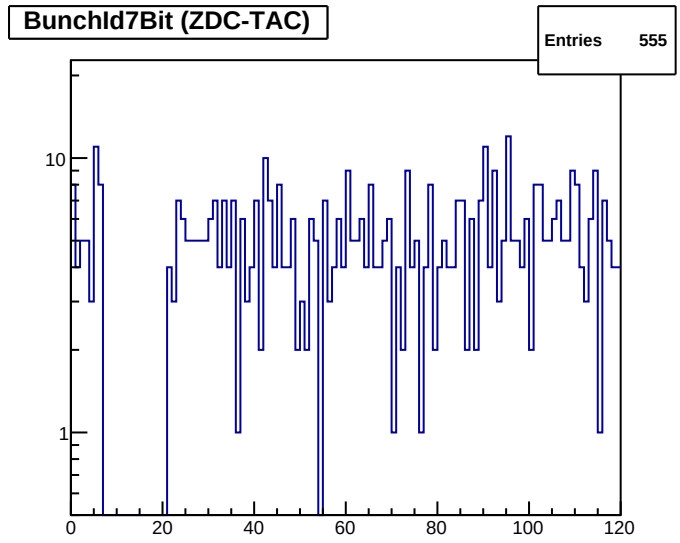
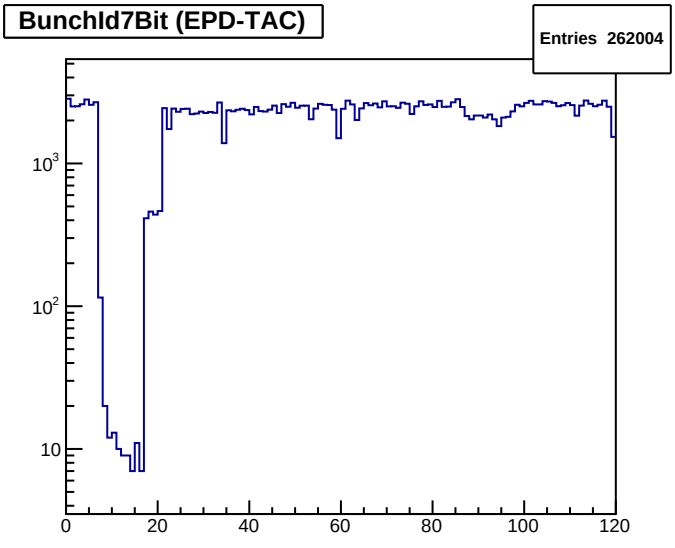
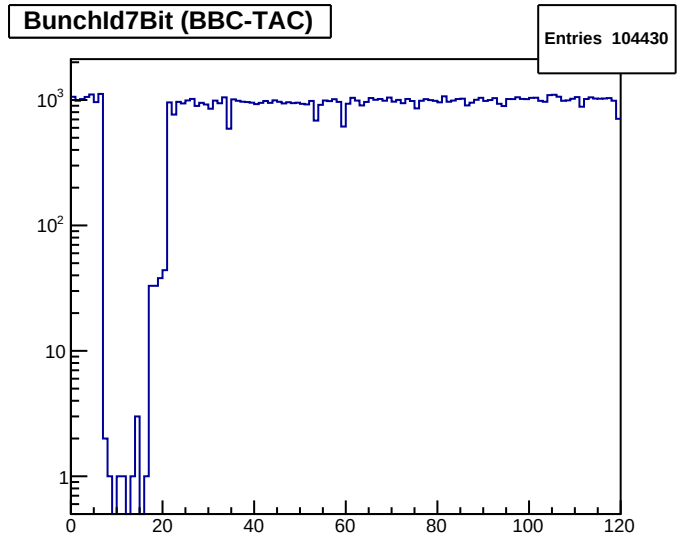
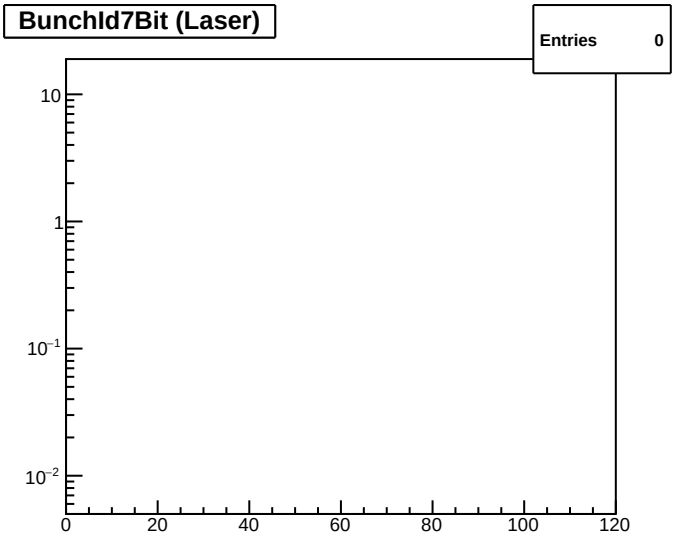
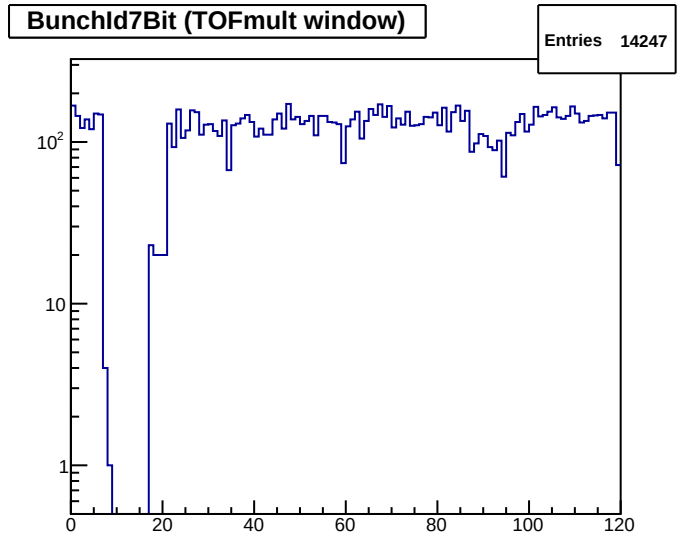

BunchId7Bit (VPD-TAC)
Entries 188569

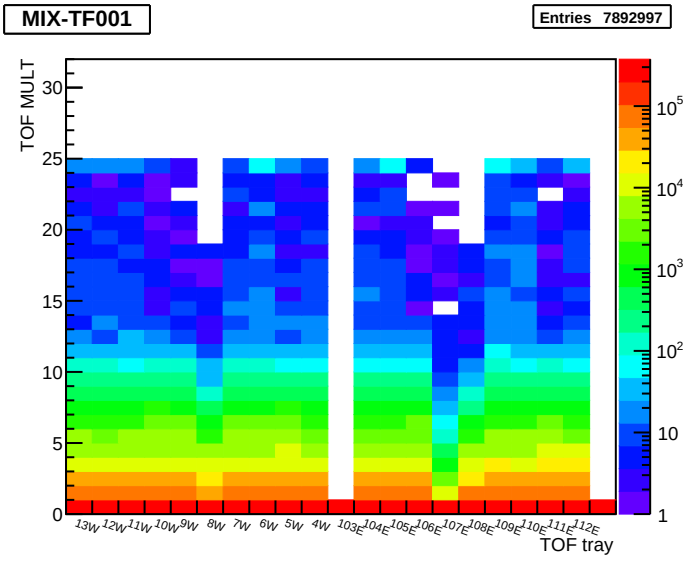

BunchId7Bit (ZDC-TAC)
Entries 555

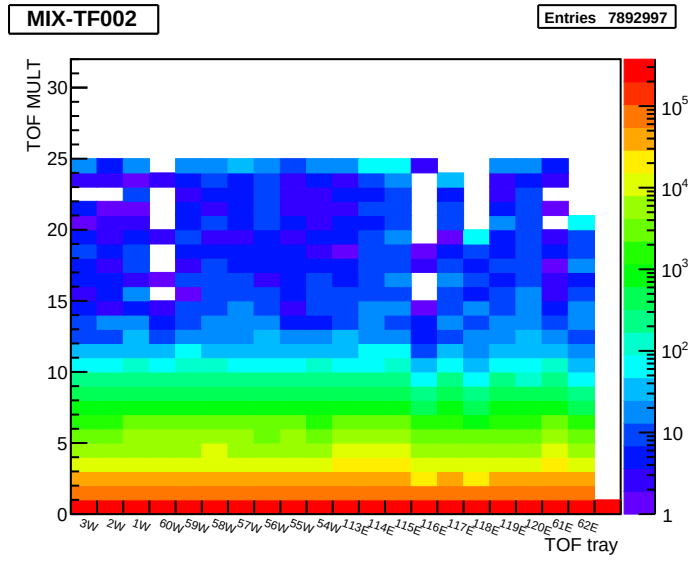

BunchId7Bit (EPD-TAC)
Entries 262004

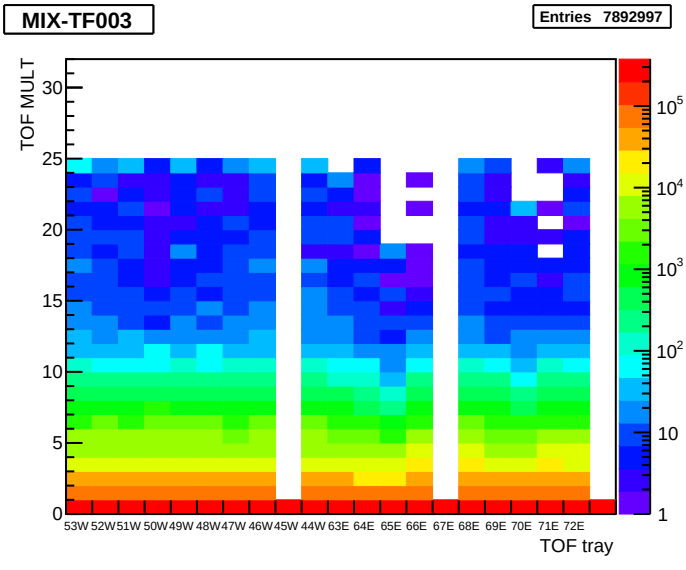

BunchId7Bit (BBC-TAC)
Entries 104430

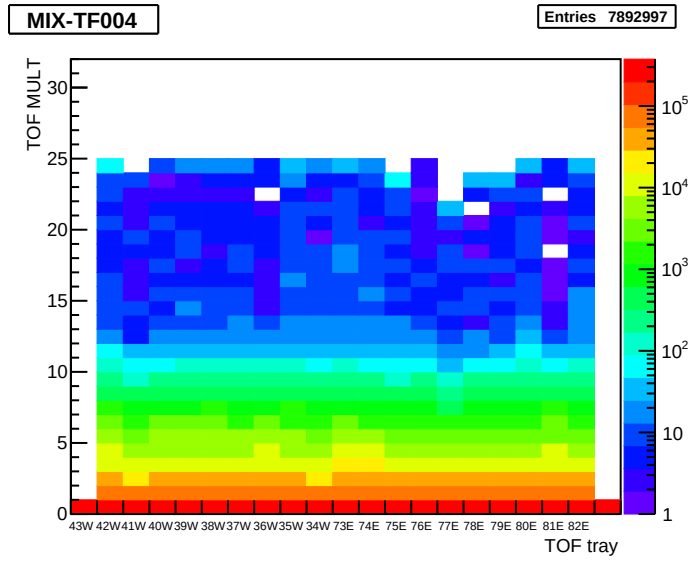

BunchId7Bit (Laser)
Entries 0

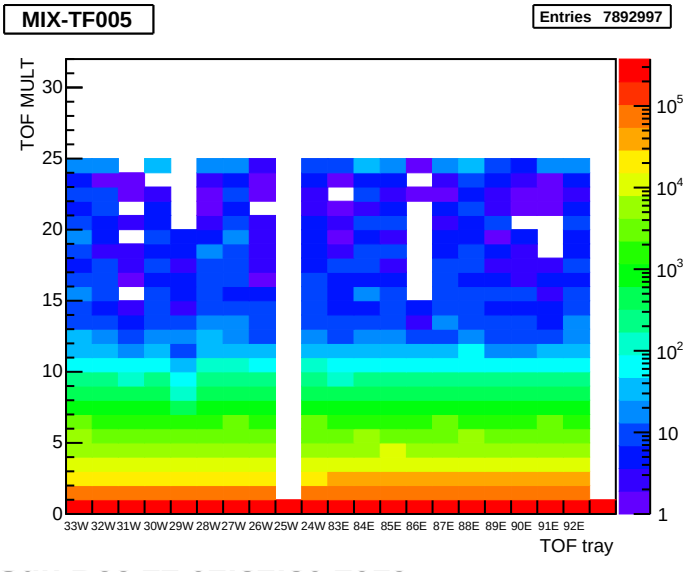

BunchId7Bit (TOFmult window)
Entries 14247

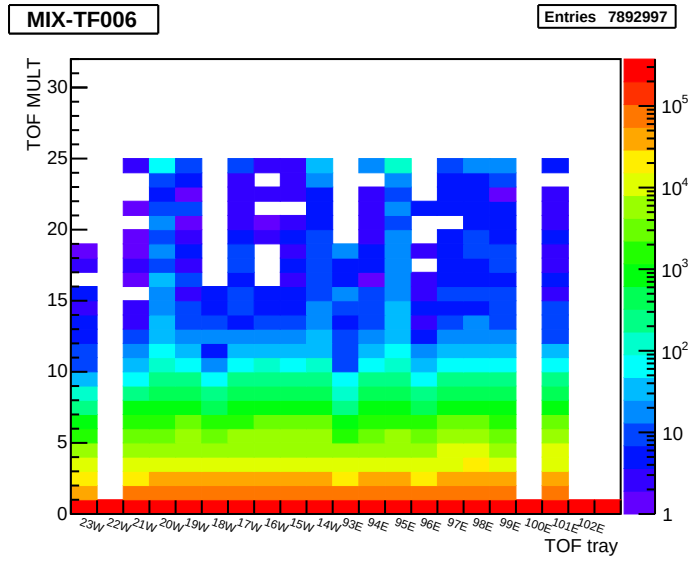

MIX-TF001
Entries 7892997
TOF MULT
TOF tray

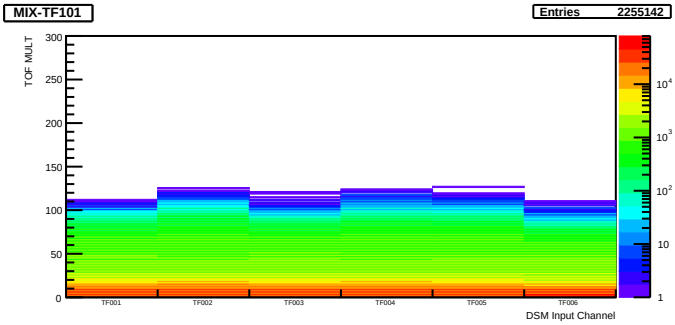

MIX-TF002
Entries 7892997
TOF MULT
TOF tray

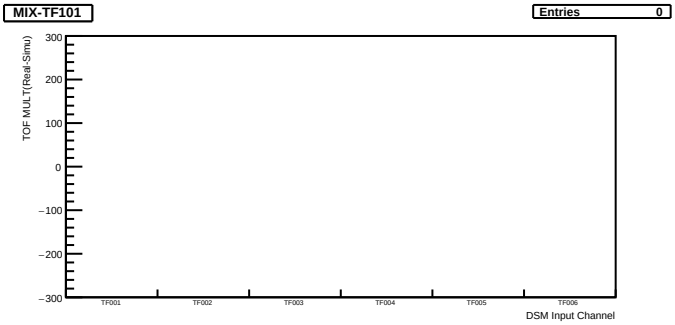

MIX-TF003
Entries 7892997
TOF MULT
TOF tray

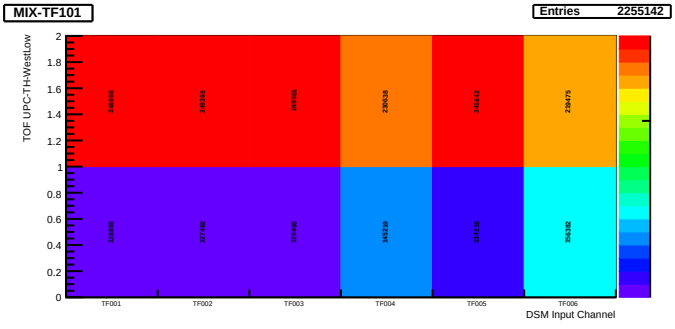

MIX-TF004
Entries 7892997
TOF MULT
TOF tray

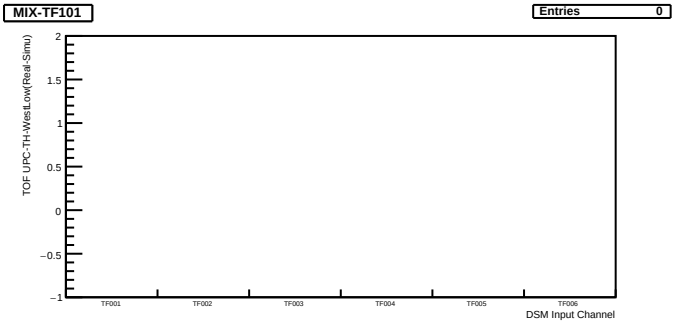

MIX-TF005
Entries 7892997
TOF MULT
TOF tray

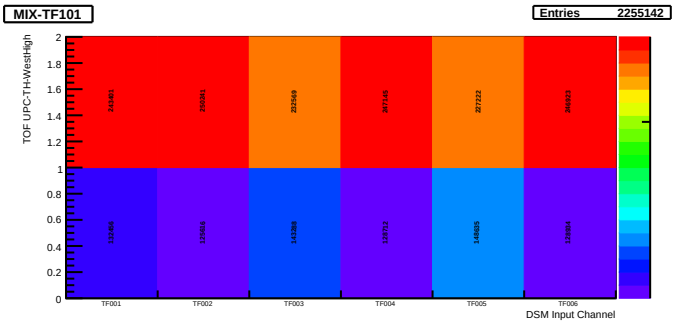

MIX-TF006
Entries 7892997
TOF MULT
TOF tray

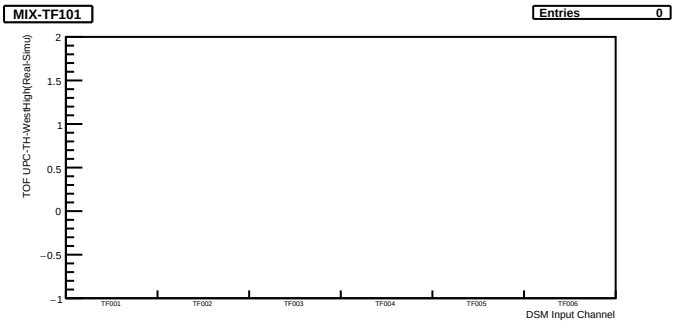

MIX-TF101
Entries 2255142
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

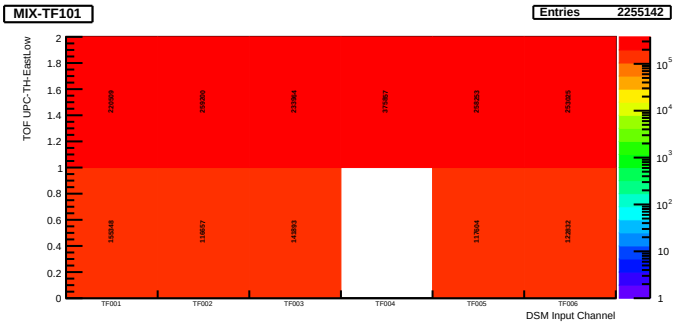

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

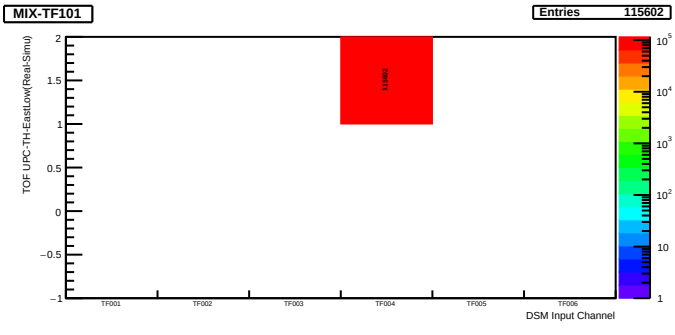

MIX-TF101
Entries 2255142
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

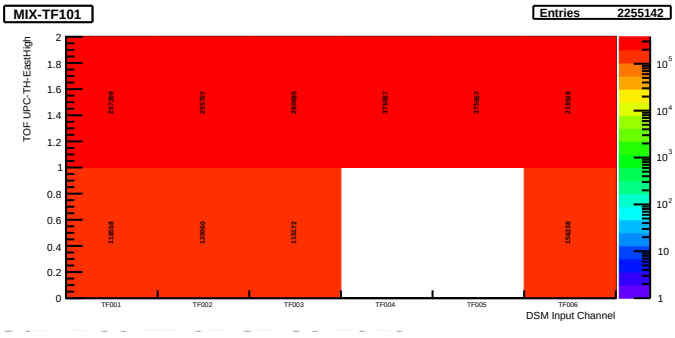

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

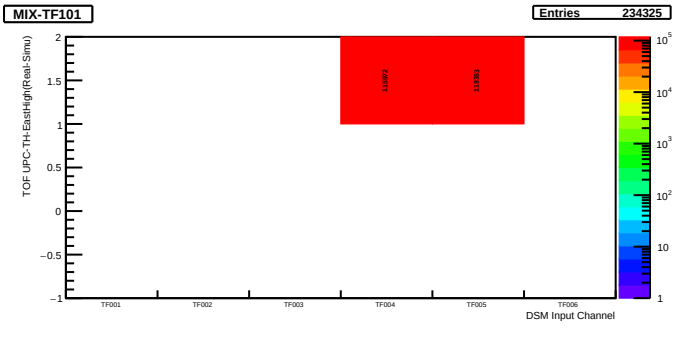

MIX-TF101
Entries 2255142
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

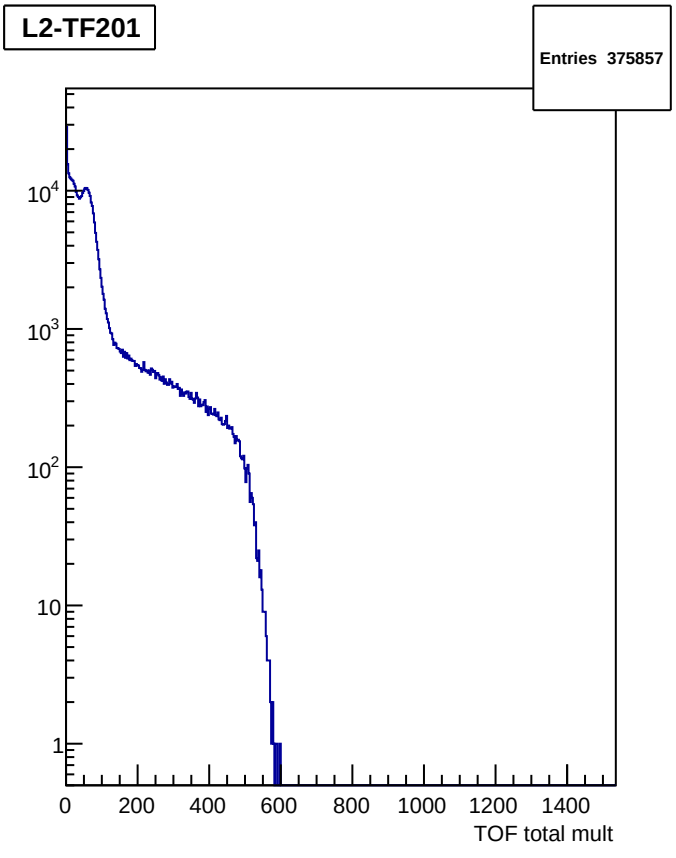

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

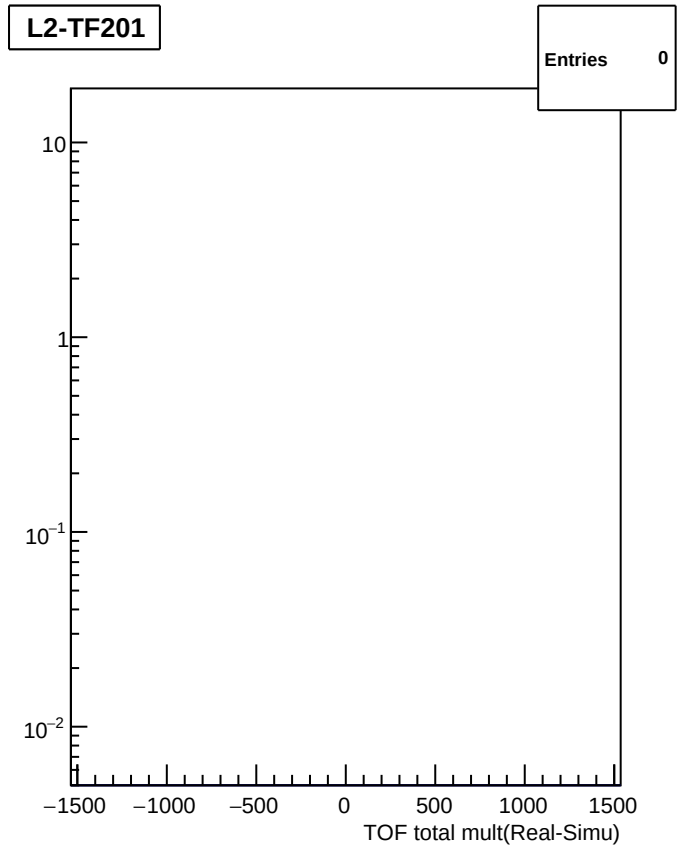

MIX-TF101
Entries 2255142
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

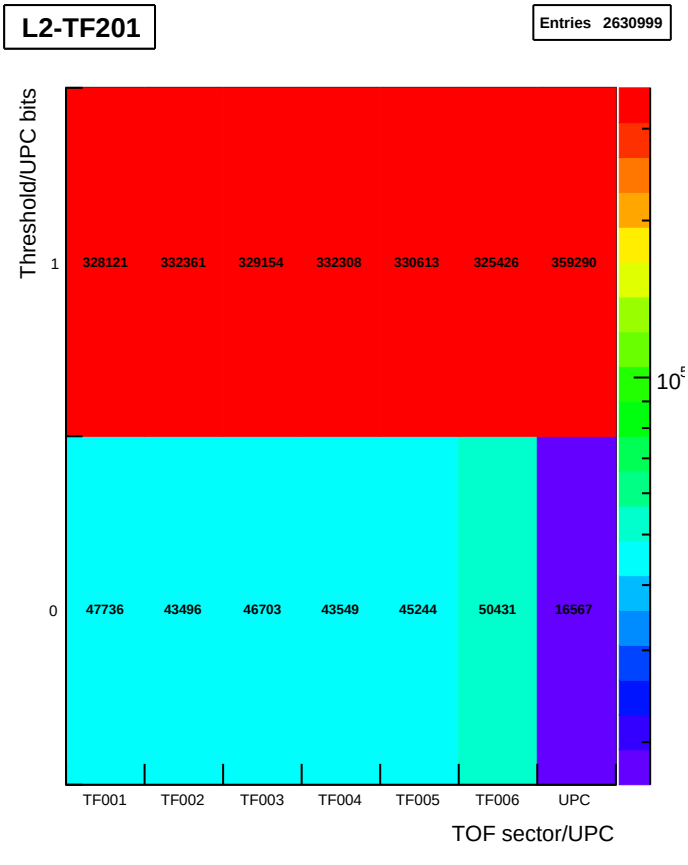

MIX-TF101
Entries 115602
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

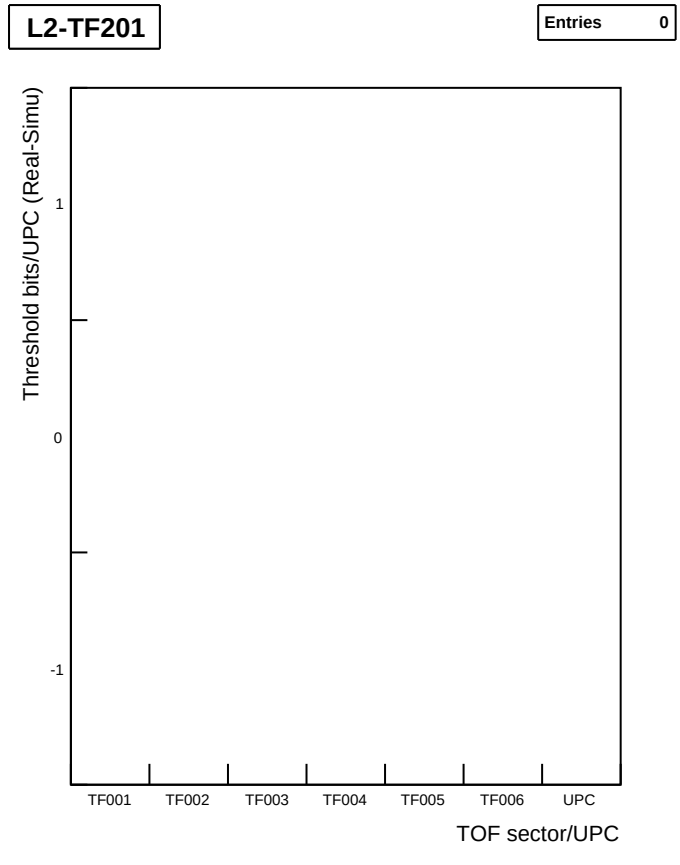

MIX-TF101
Entries 2255142
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

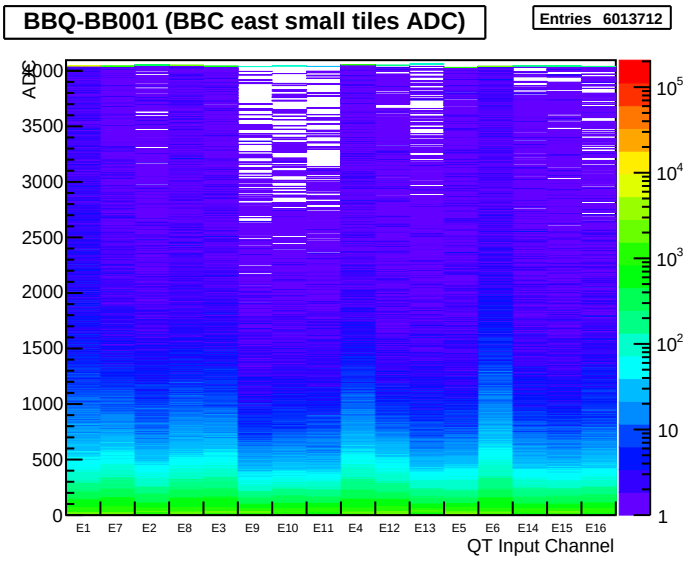

MIX-TF101
Entries 234325
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

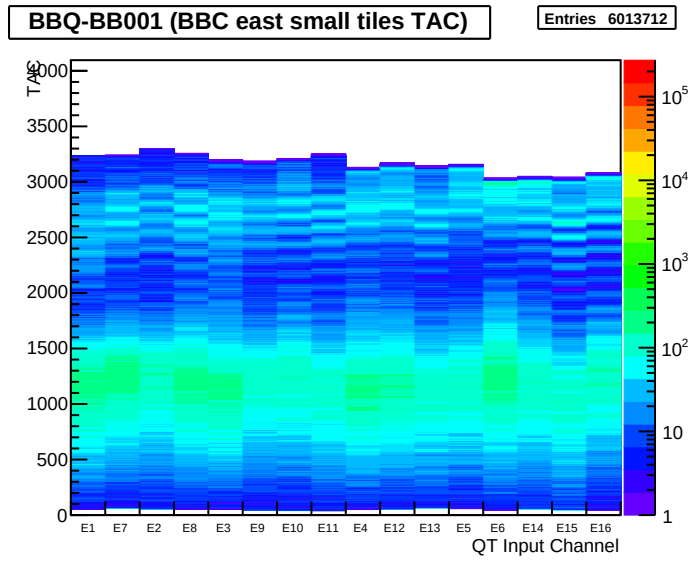

L2-TF201
Entries 375857
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

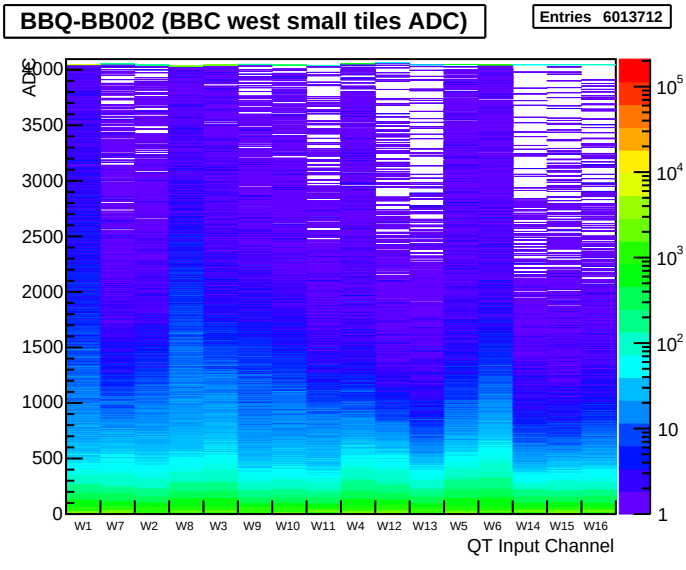

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

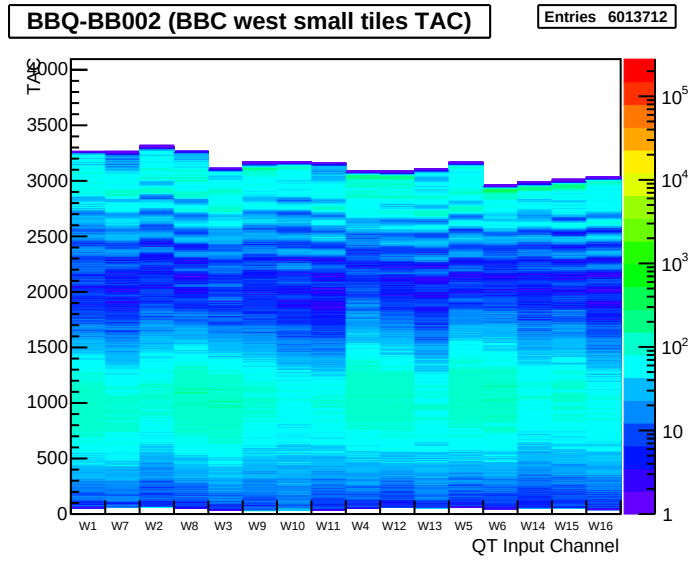

L2-TF201
Entries 2630999
Threshold/UPC bits
1
0
328121
332361
329154
332308
330613
325426
359290
47736
43496
46703
43549
45244
50431
16567
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

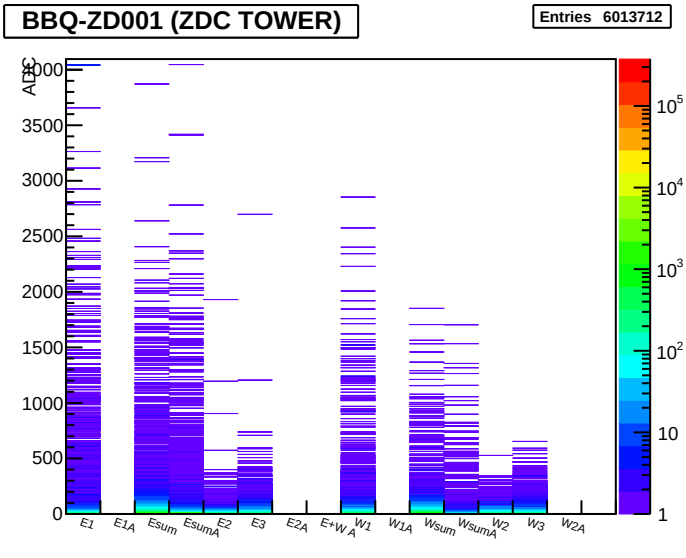

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

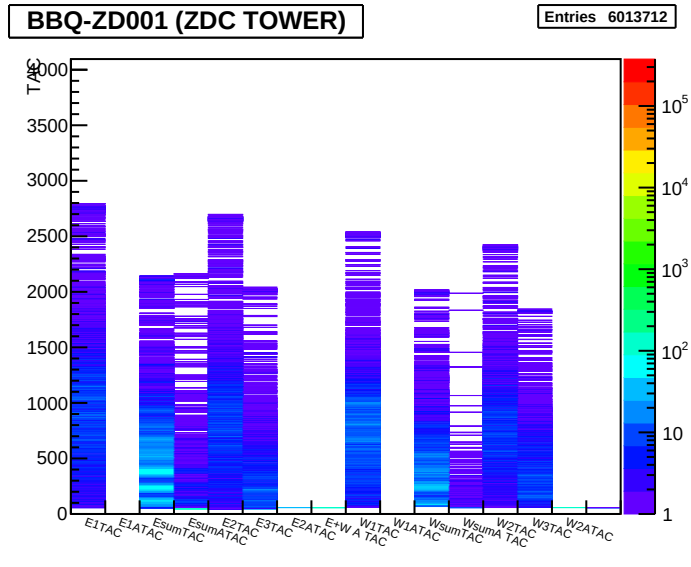

BBQ-BB001 (BBC east small tiles ADC)
Entries 6013712
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

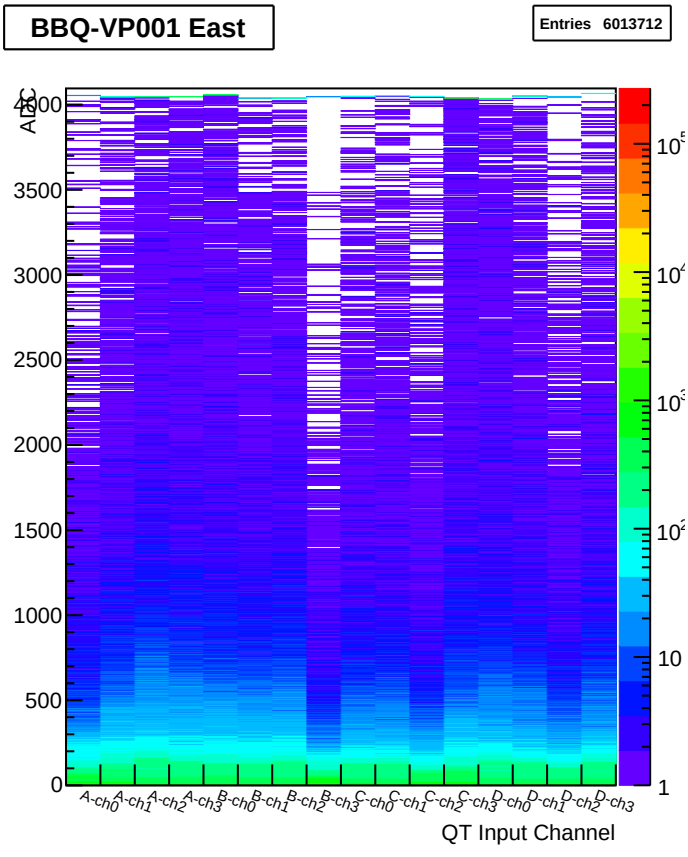

BBQ-BB001 (BBC east small tiles TAC)
Entries 6013712
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

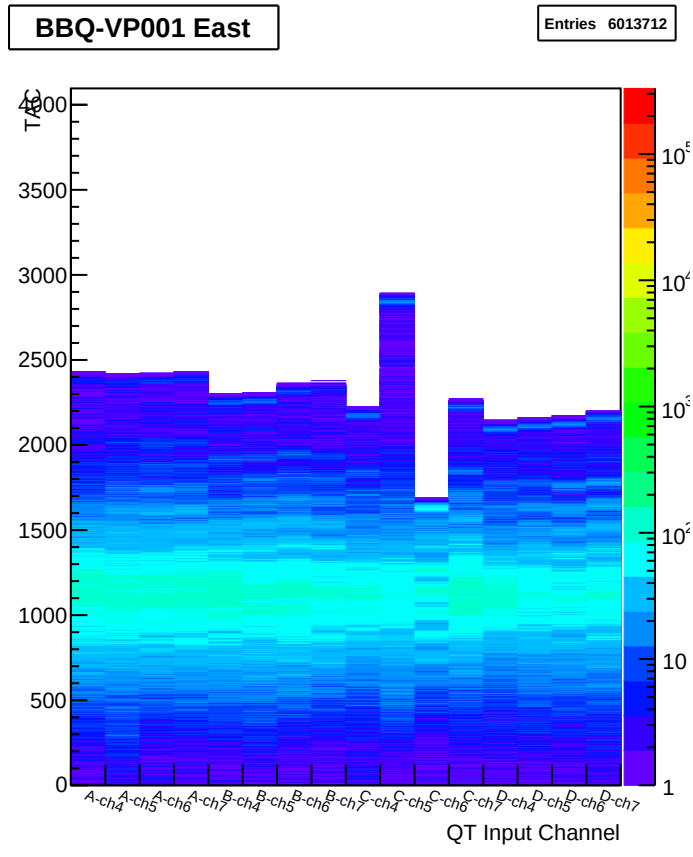

BBQ-BB002 (BBC west small tiles ADC)
Entries 6013712
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

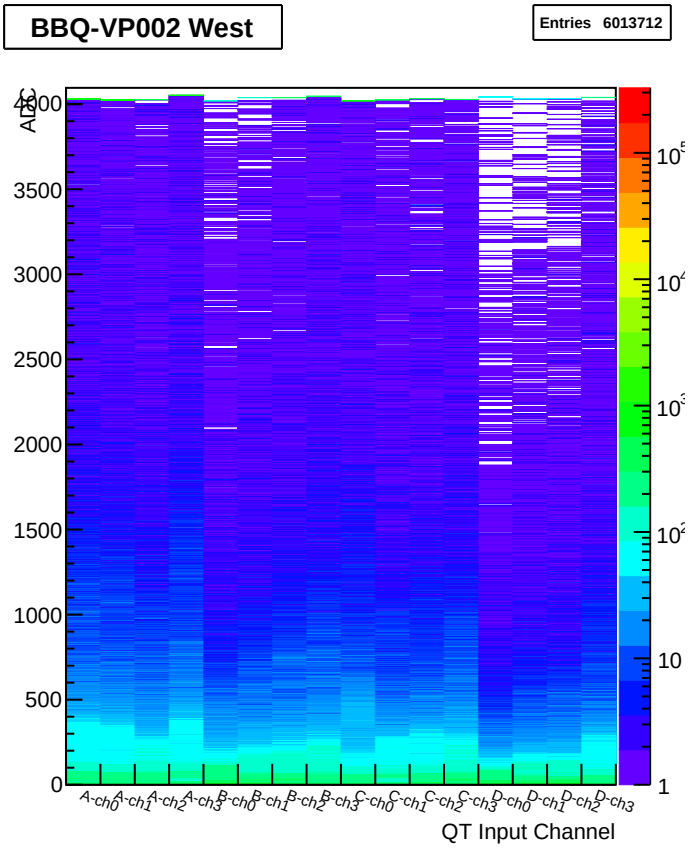

BBQ-BB002 (BBC west small tiles TAC)
Entries 6013712
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

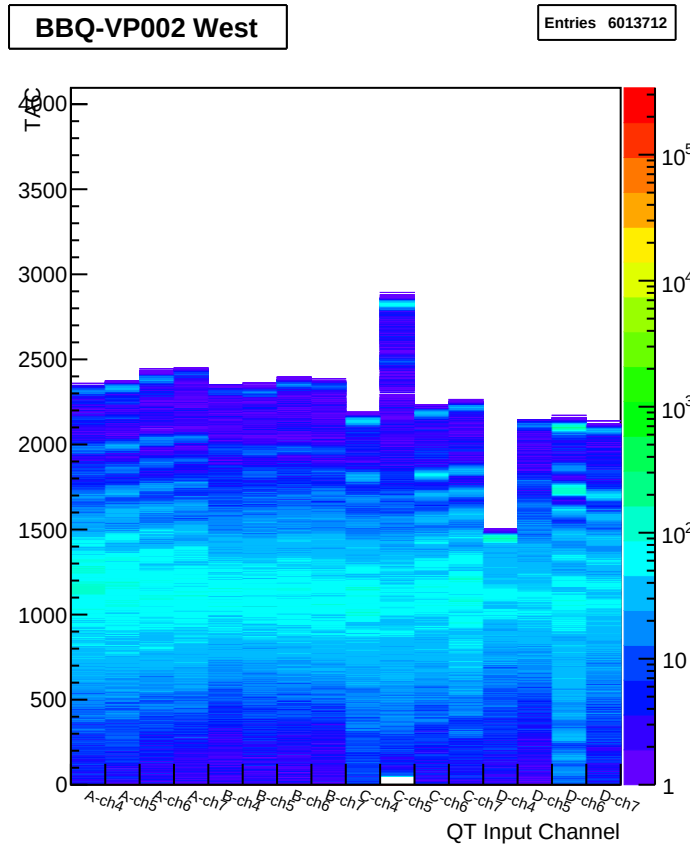

BBQ-ZD001 (ZDC TOWER)
Entries 6013712
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

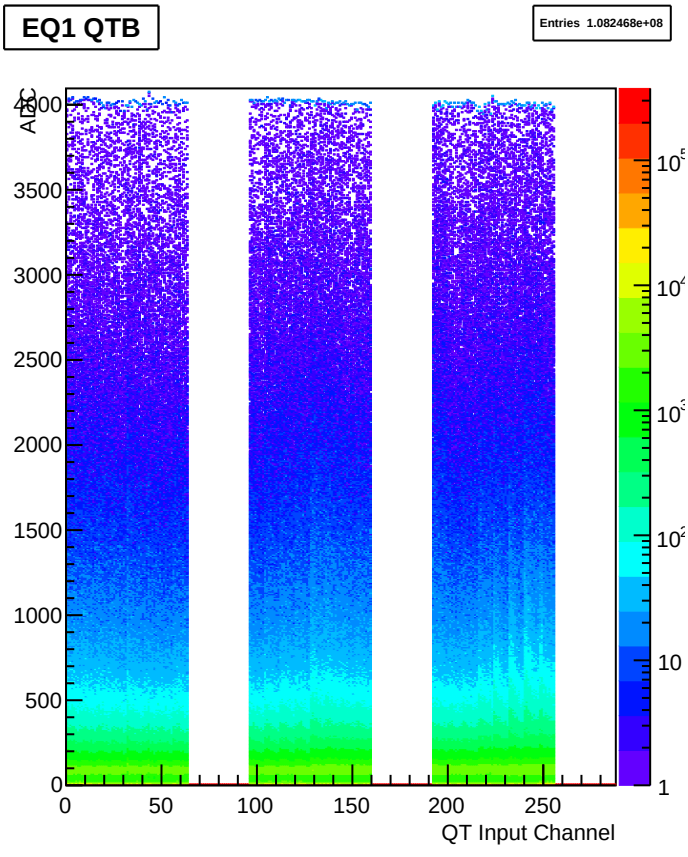

BBQ-ZD001 (ZDC TOWER)
Entries 6013712
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

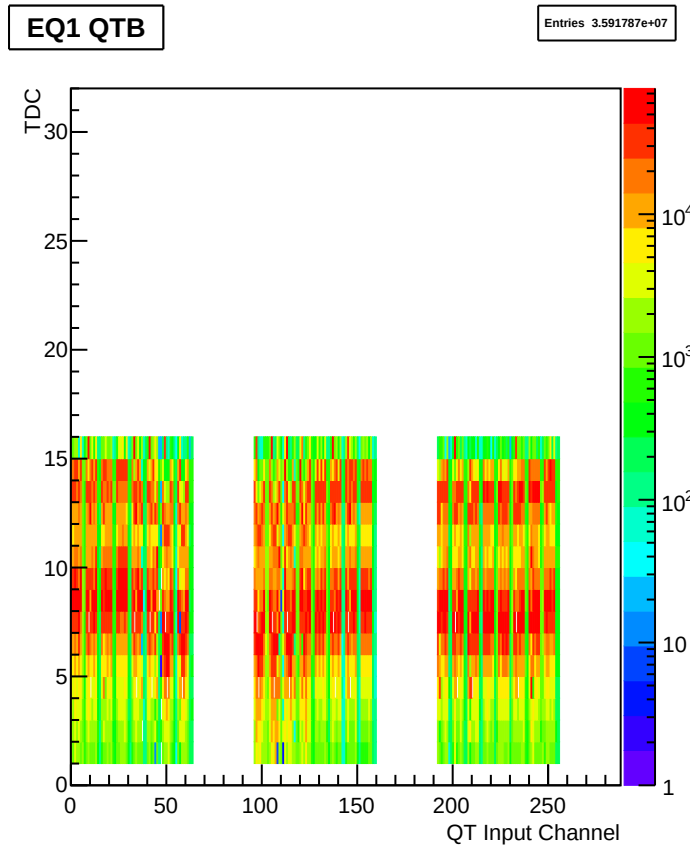

BBQ-VP001 East
Entries 6013712
ADC
QT Input Channel

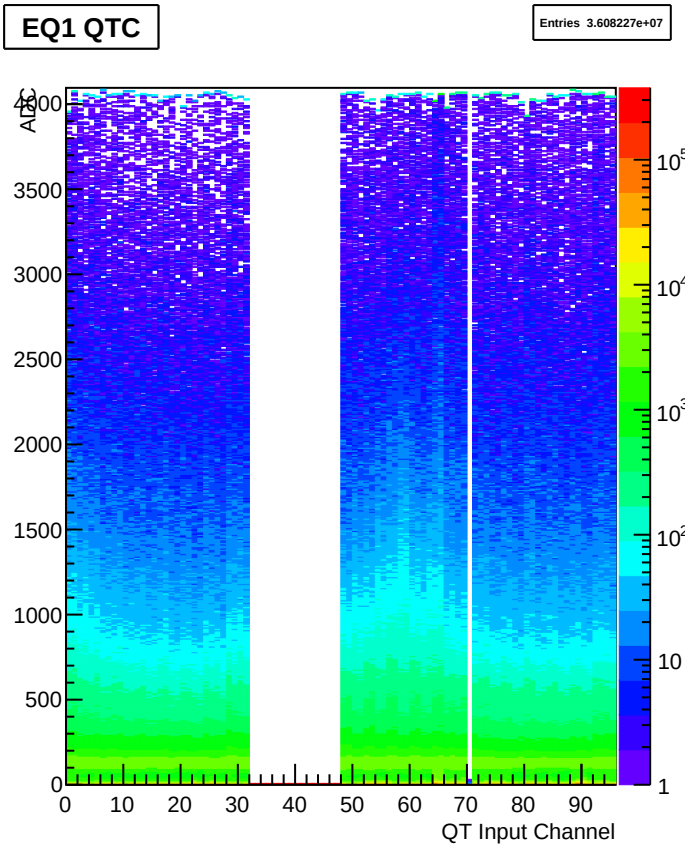

BBQ-VP001 East
Entries 6013712
ADC
QT Input Channel

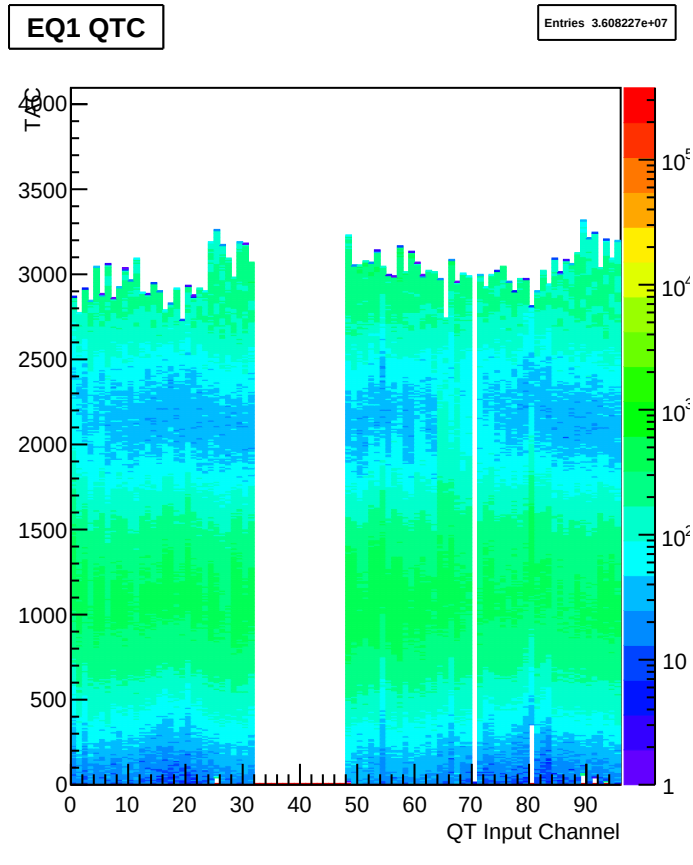

BBQ-VP002 West
Entries 6013712
ADC
QT Input Channel

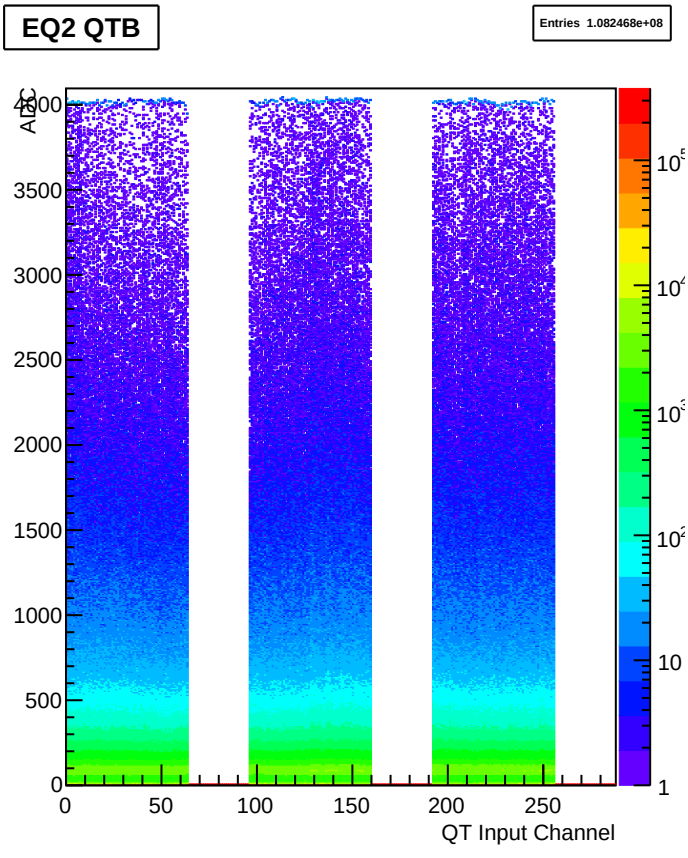

BBQ-VP002 West
Entries 6013712
ADC
QT Input Channel

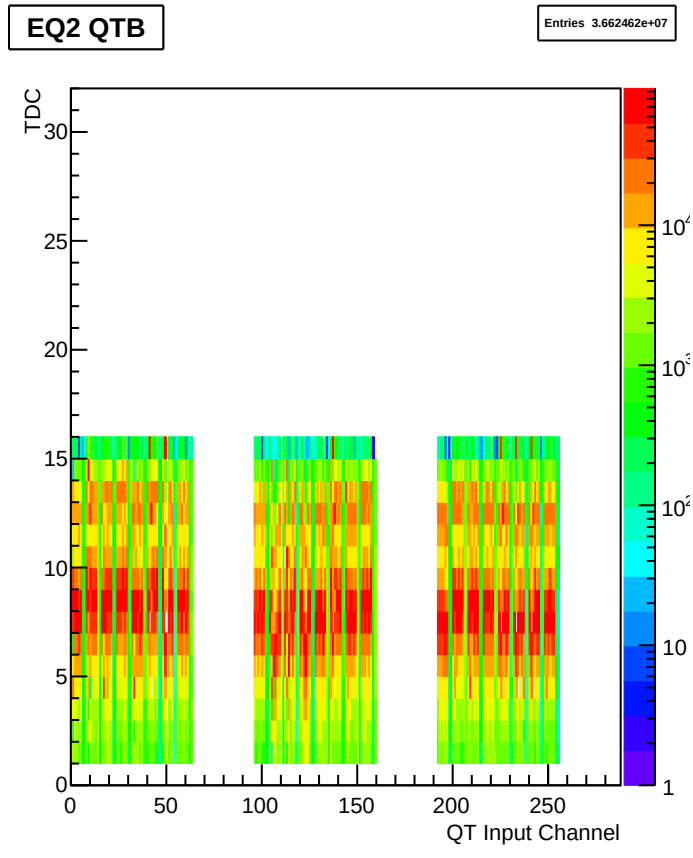

EQ1 QTB
Entries 1.082468e+08
ADC
QT Input Channel

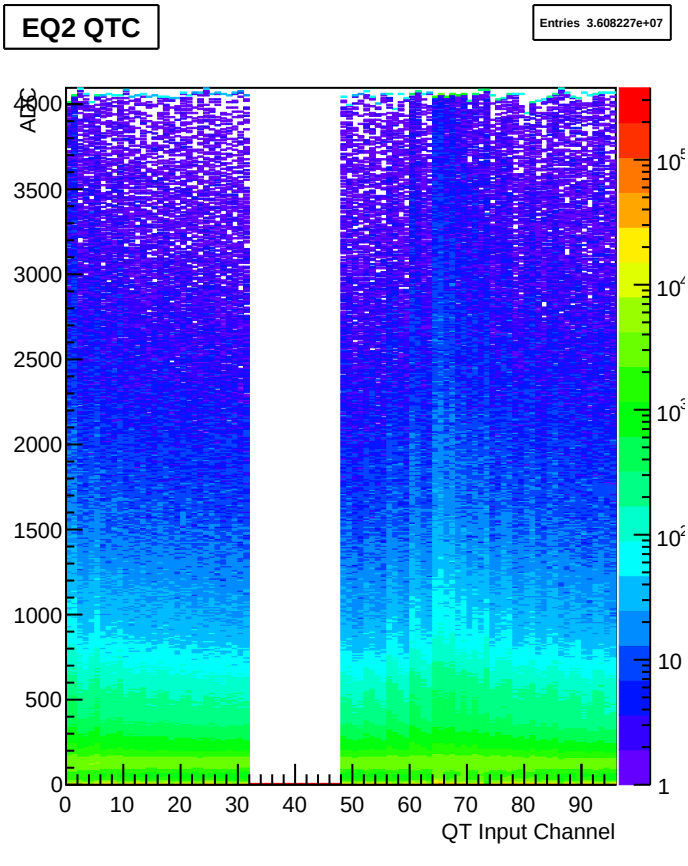

EQ1 QTB
Entries 3.591787e+07
TDC
QT Input Channel

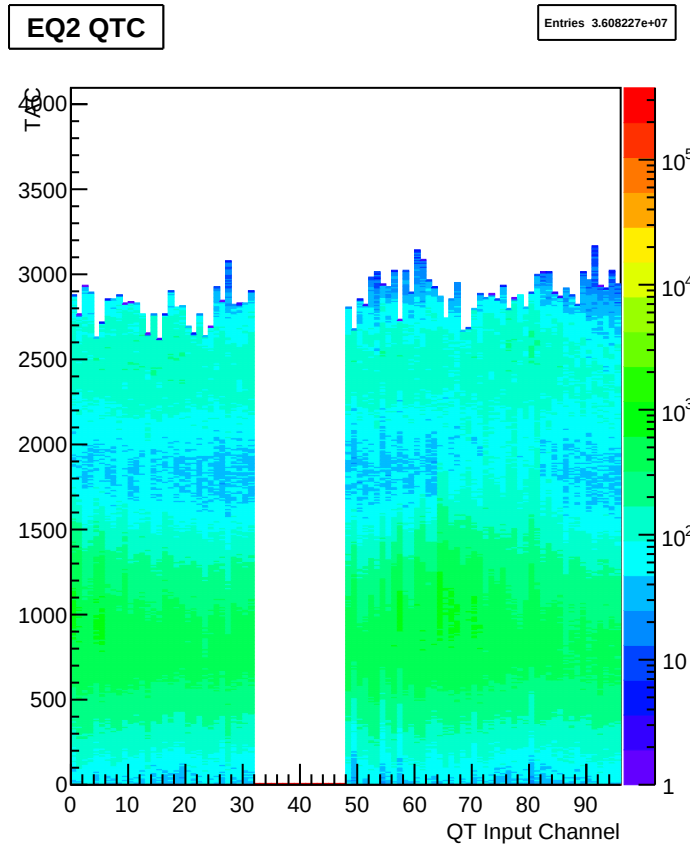

EQ1 QTC
Entries 3.608227e+07
ADC
QT Input Channel

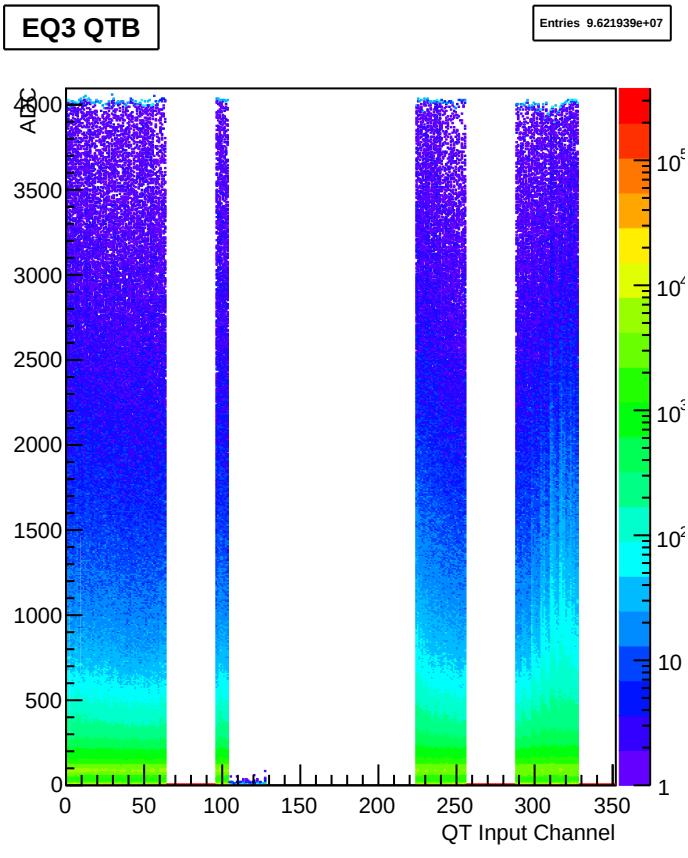

EQ1 QTC
Entries 3.608227e+07
TADC
QT Input Channel

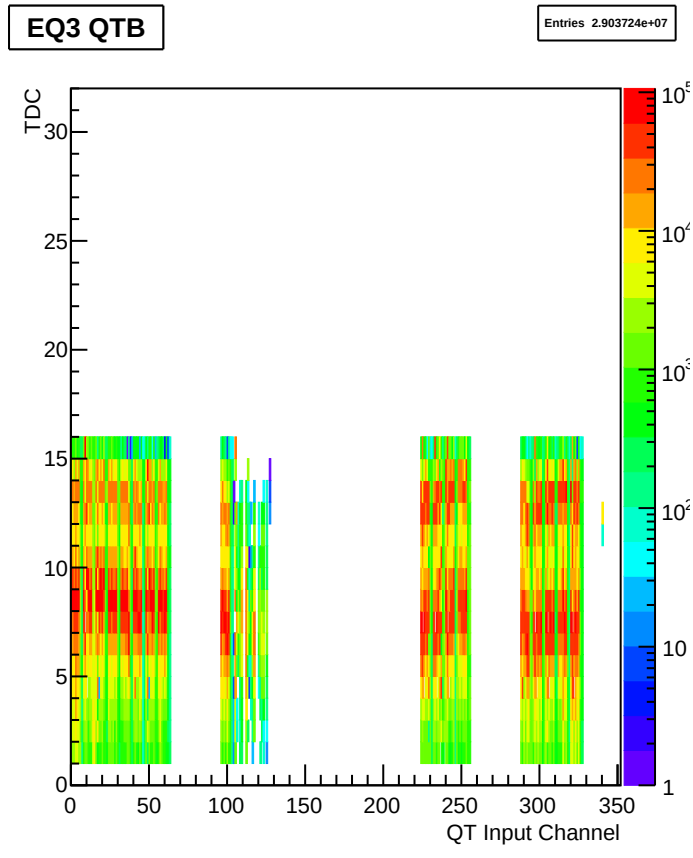

EQ2 QTB
Entries 1.082468e+08
ADC
QT Input Channel

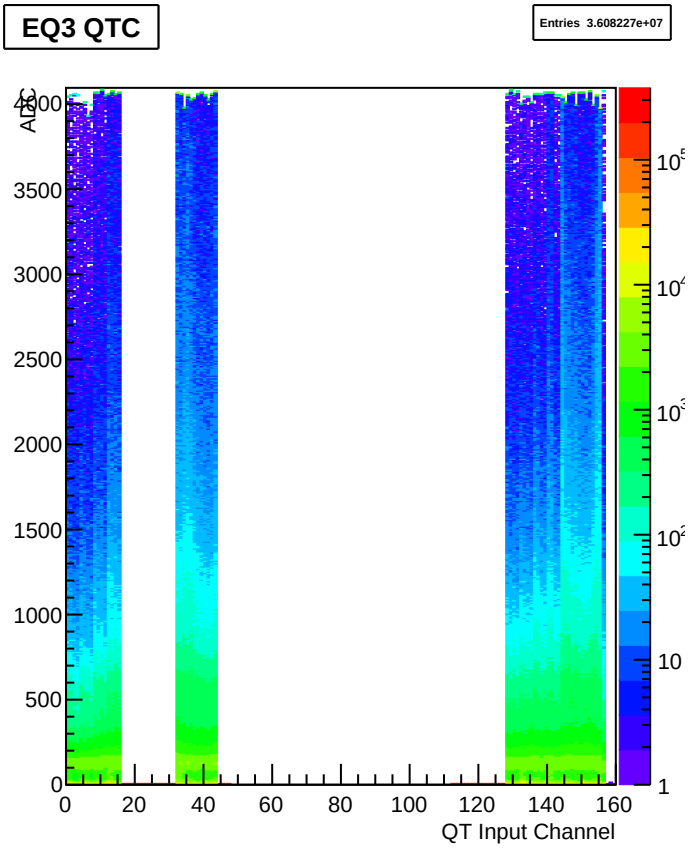

EQ2 QTB
Entries 3.662462e+07
TDC
QT Input Channel

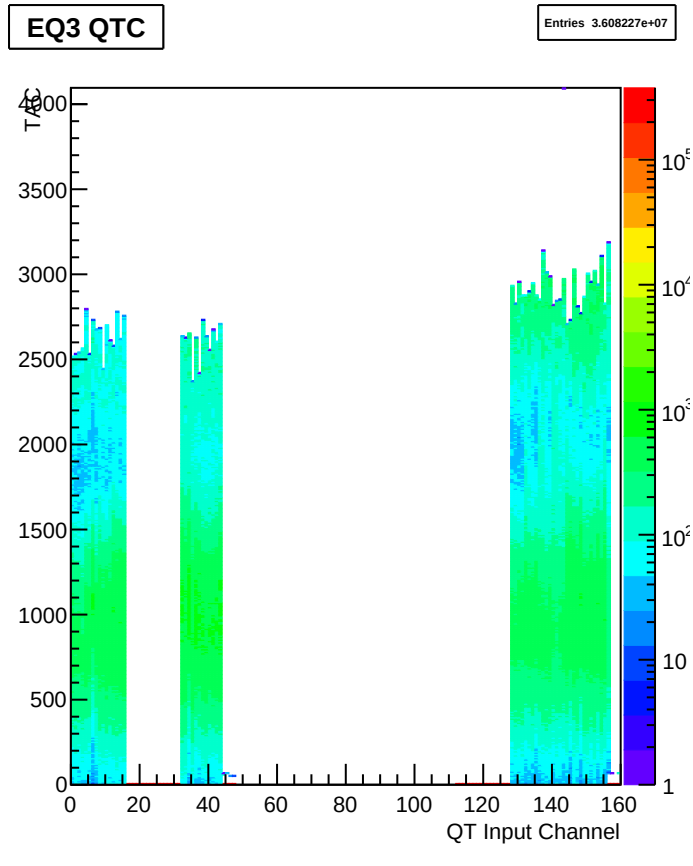

EQ2 QTC
Entries 3.608227e+07
ADC
QT Input Channel

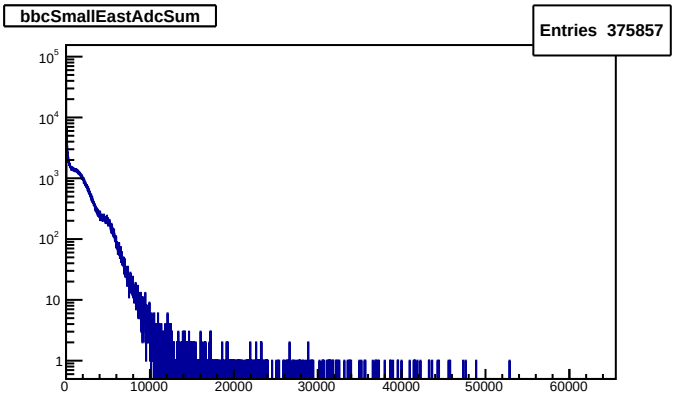

EQ2 QTC
Entries 3.608227e+07
TADC
QT Input Channel

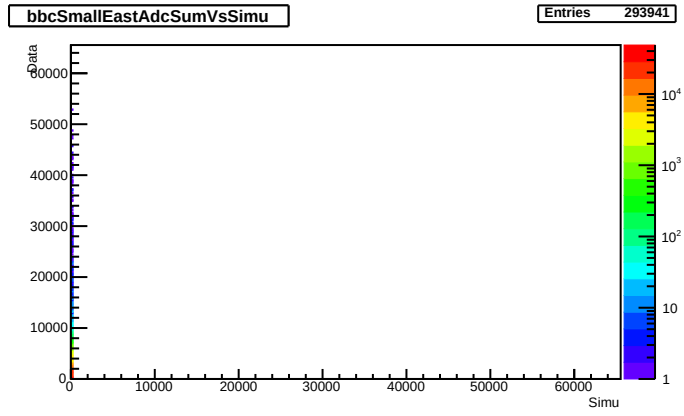

EQ3 QTB
Entries 9.621939e+07
ADC
QT Input Channel

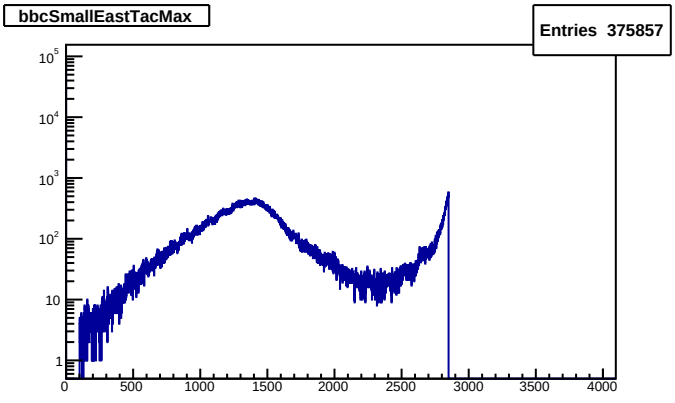

EQ3 QTB
Entries 2.903724e+07
TDC
QT Input Channel

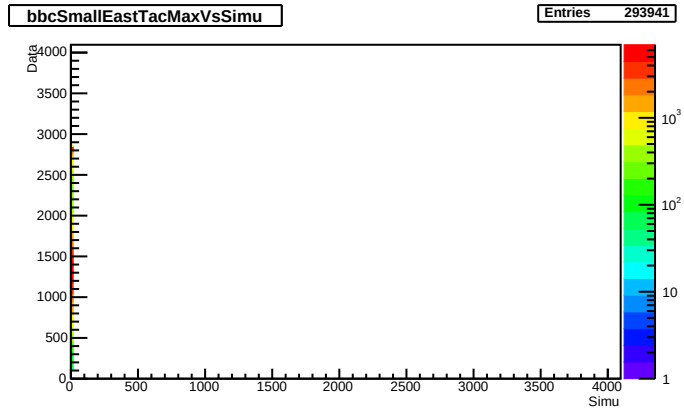

EQ3 QTC
Entries 3.608227e+07
ADC
QT Input Channel

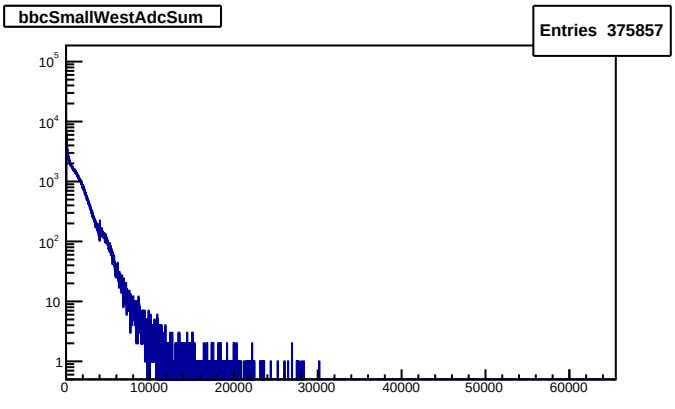

EQ3 QTC
Entries 3.608227e+07
TADC
QT Input Channel

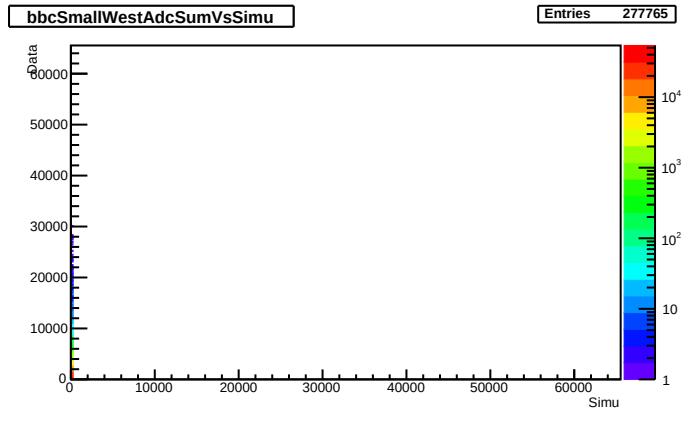

bbcSmallEastAdcSum
Entries 375857

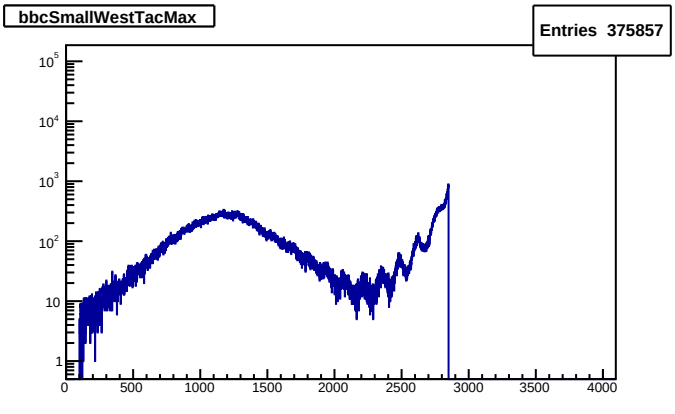

bbcSmallEastAdcSumVsSimu
Entries 293941
Data
Simu

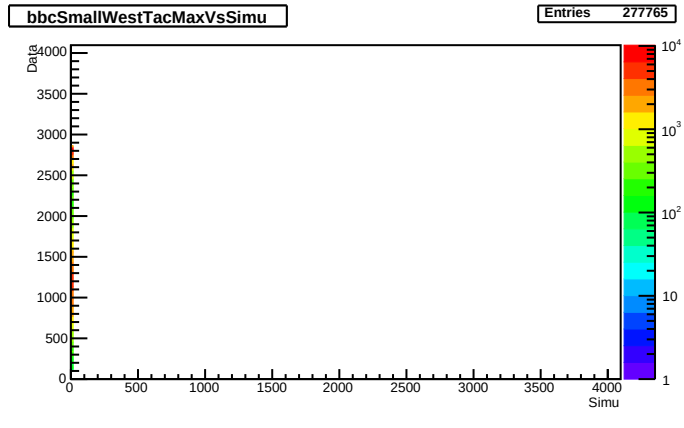

bbcSmallEastTacMax
Entries 375857


bbcSmallEastTacMaxVsSimu
Entries 293941
Data
Simu


bbcSmallWestAdcSum
Entries 375857


bbcSmallWestAdcSumVsSimu
Entries 277765
Data
Simu


bbcSmallWestTacMax
Entries 375857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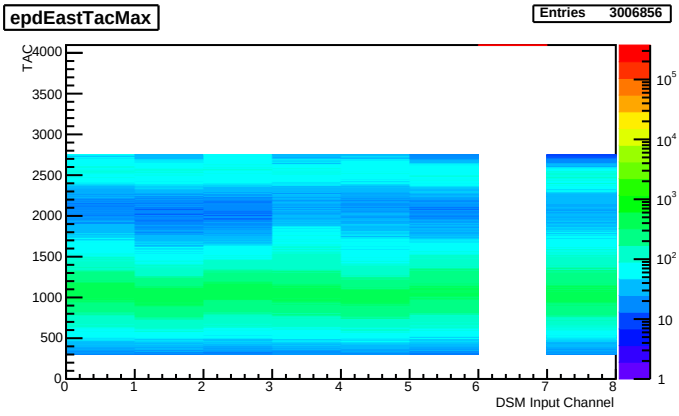
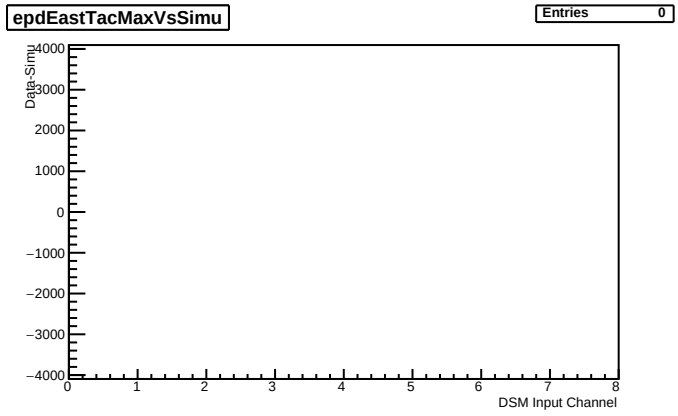
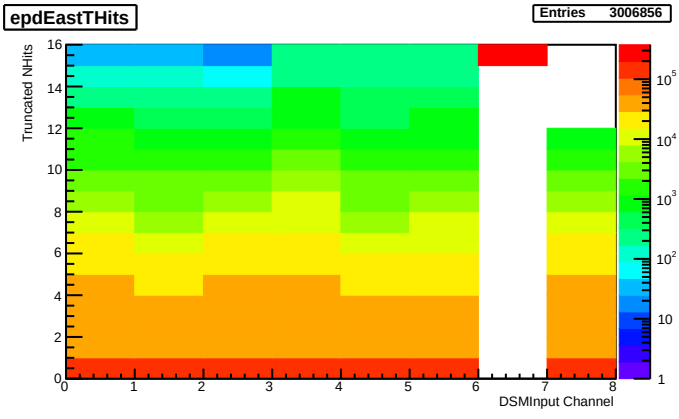
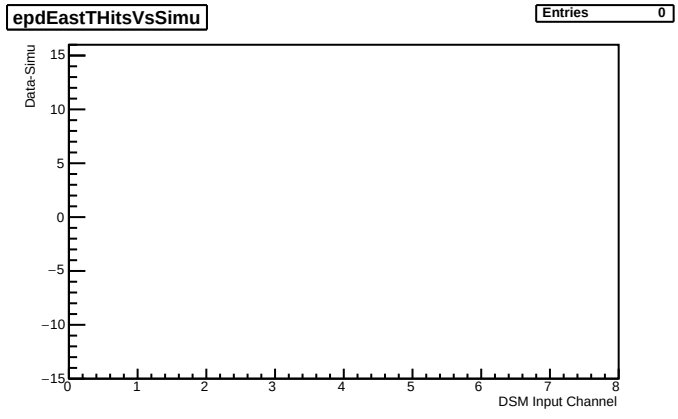
Entries 277765
Data
Simu


epdEastTacMax
Entries 3006856
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3006856
Truncated NHits
DSMInput Channel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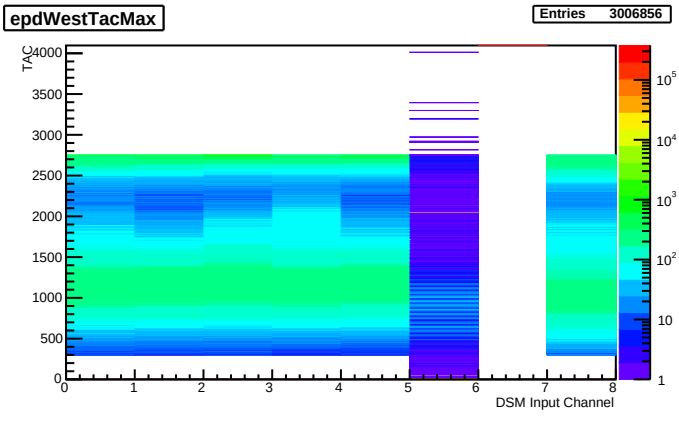
Data-Simu
DSM Input Channel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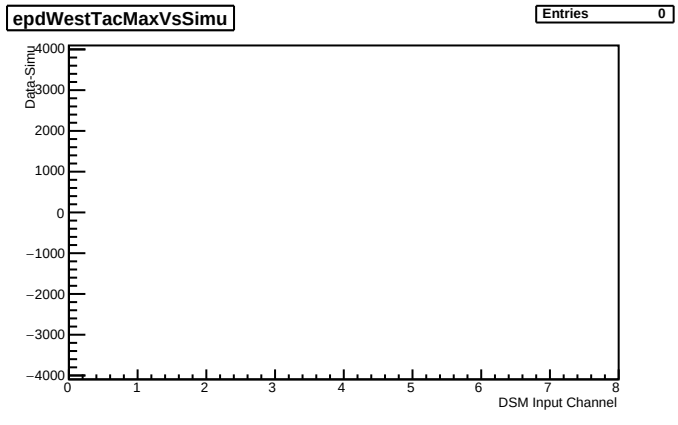
Entries 3006856
TAC
DSM Input Channel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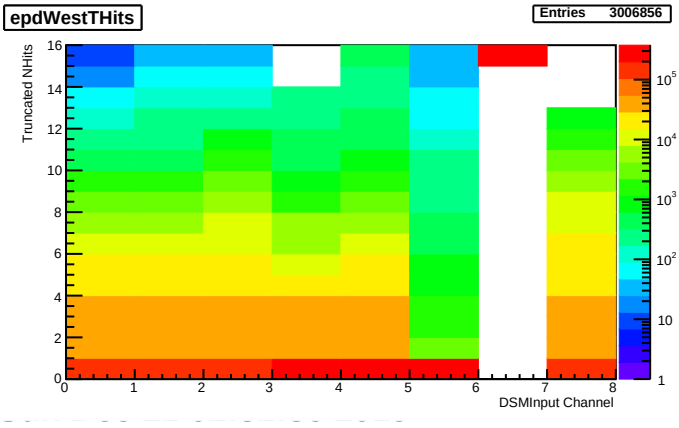
Entries 0
Data-Simu
DSM Input Channel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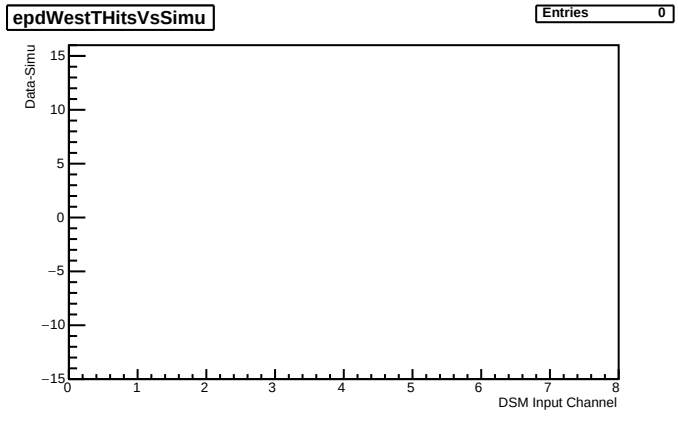
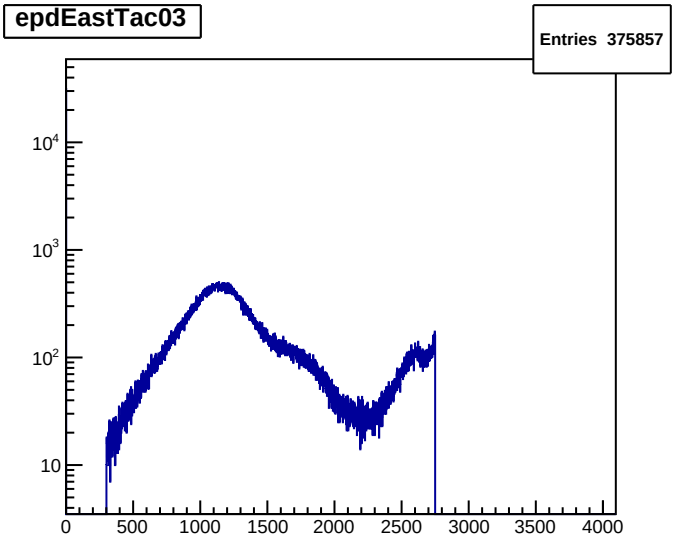
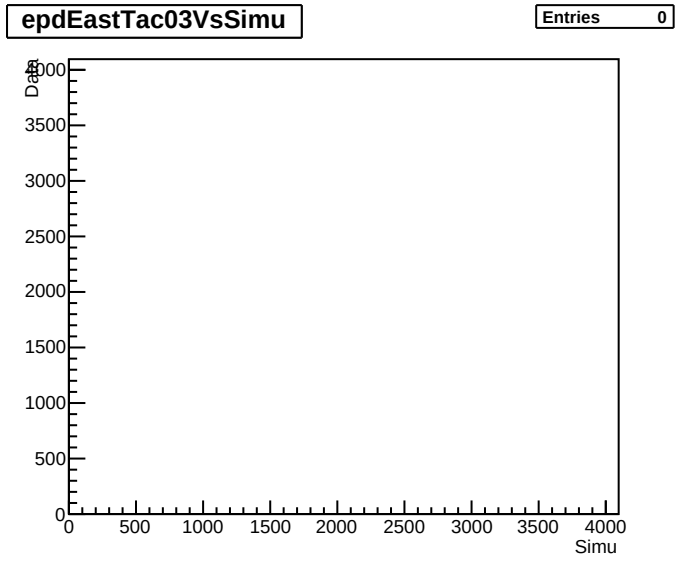
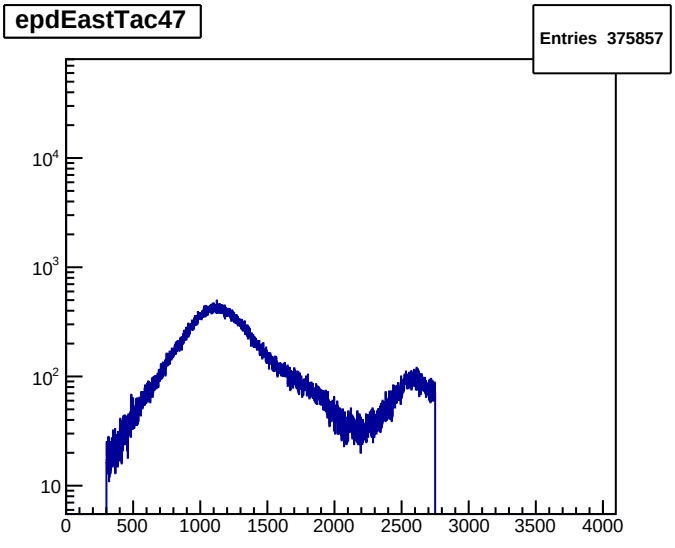
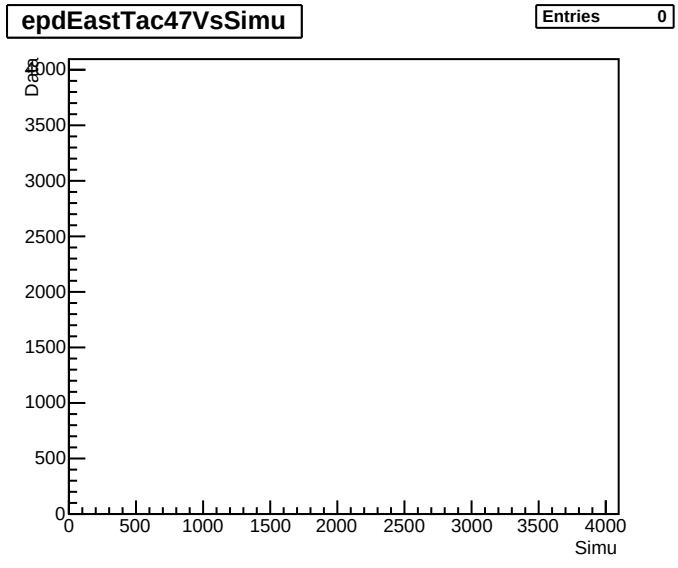
Entries 3006856
Truncated NHits
DSMInput Channel

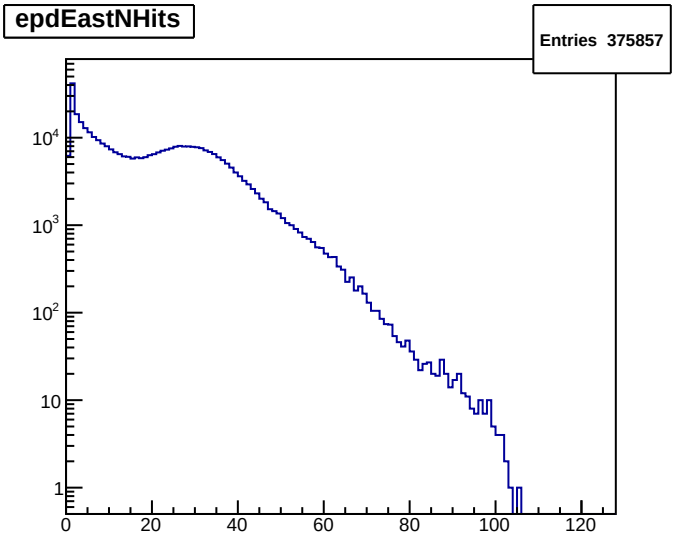

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

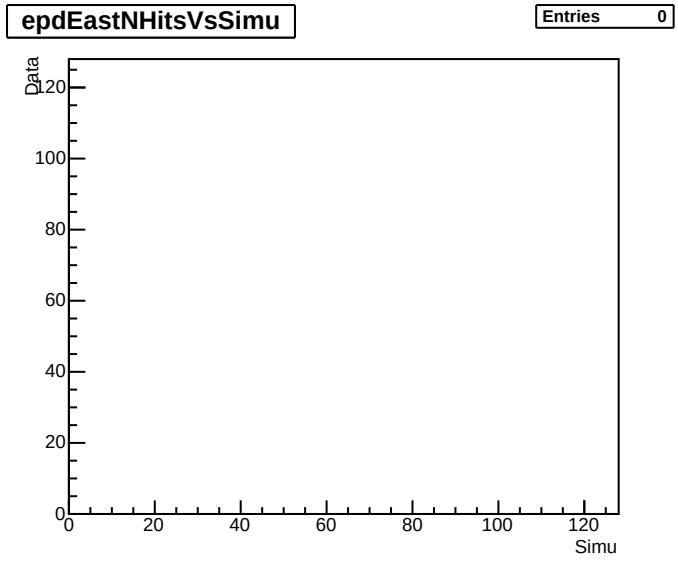

epdEastTac03
Entries 375857
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

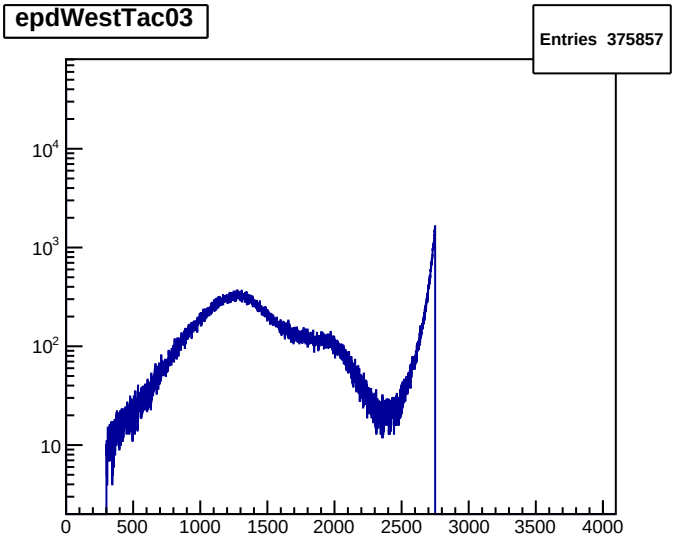

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

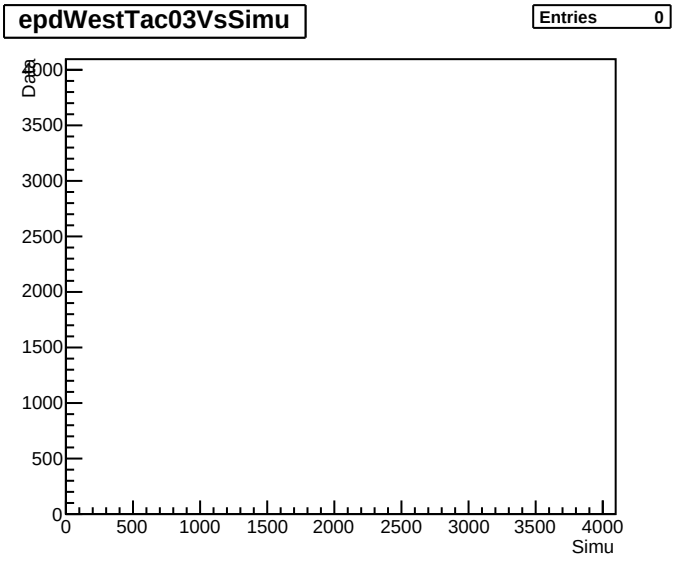

epdEastTac47
Entries 375857
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


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 375857
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 375857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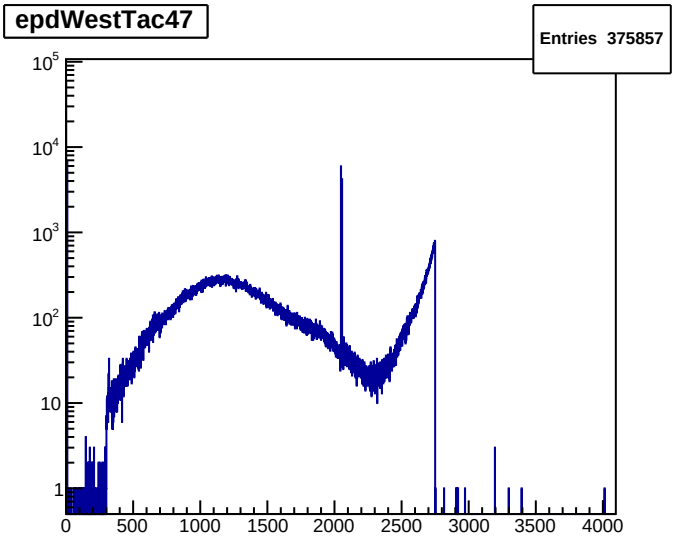
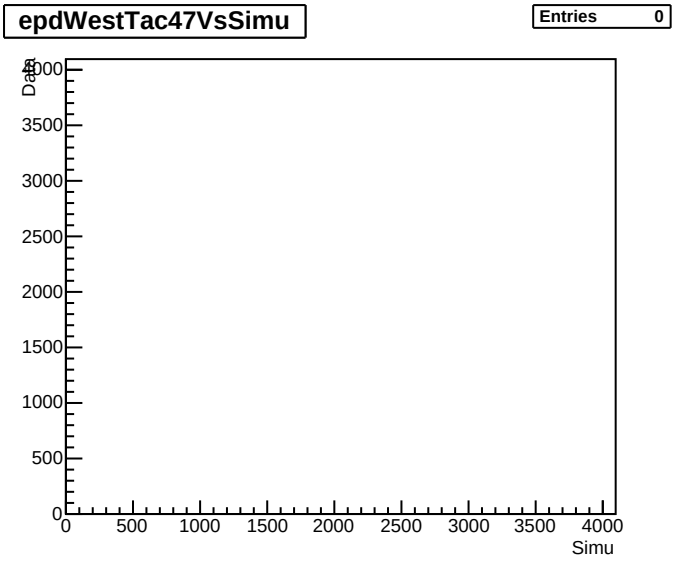
Entries 0
Data
Simu


epdWestTac47
Entries 375857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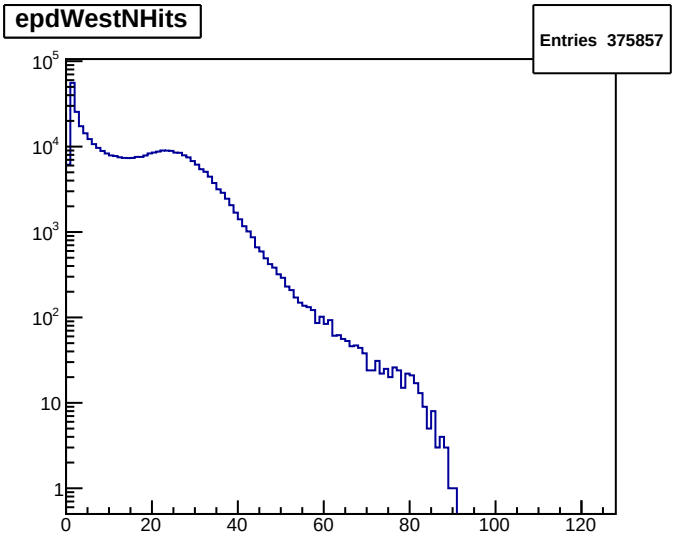
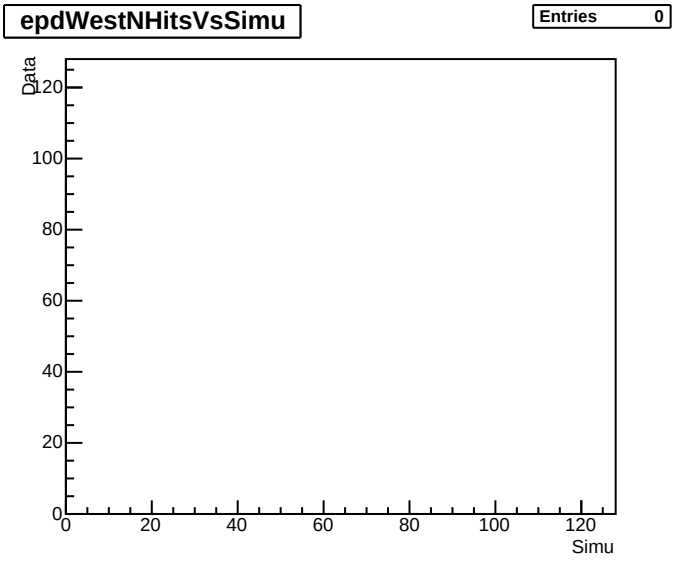
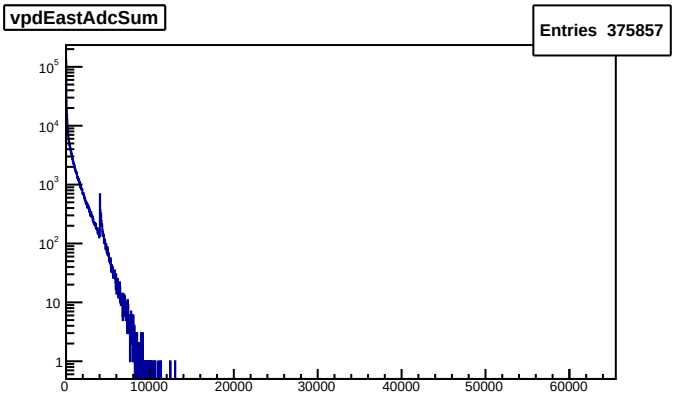
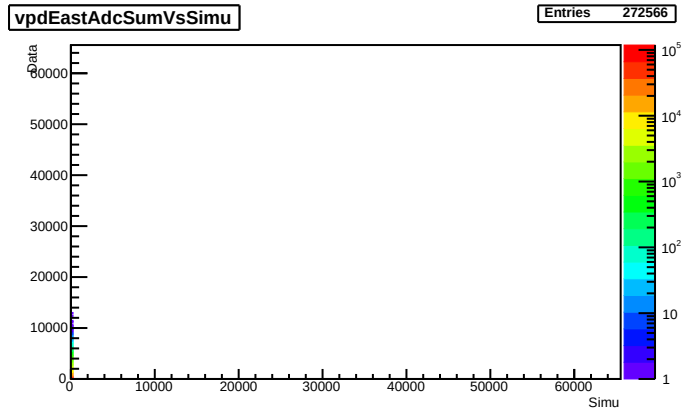
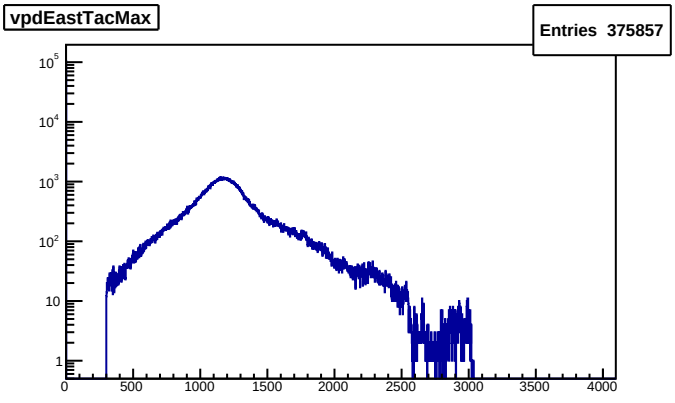
Entries 0
Data
Simu

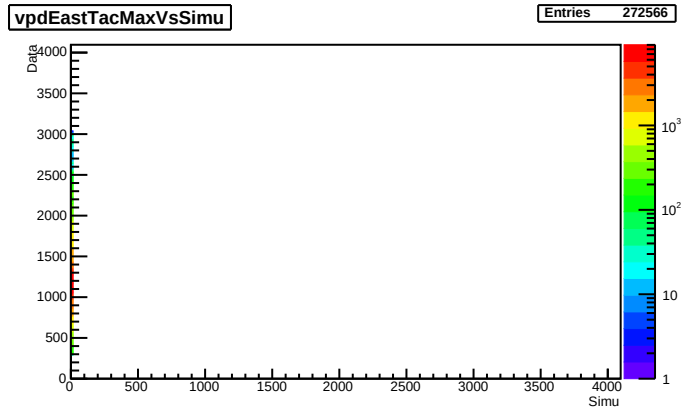

epdWestNHits
Entries 375857

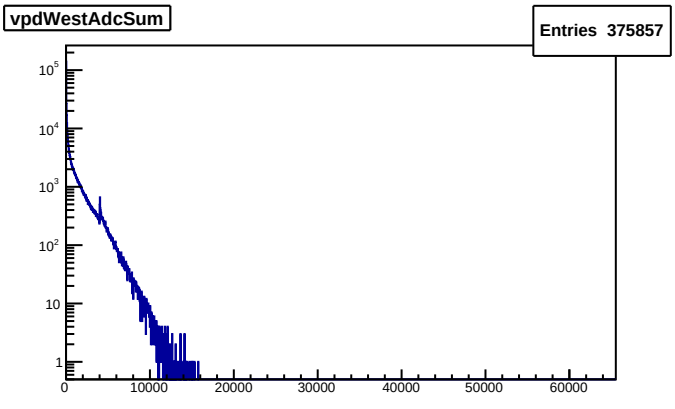

epdWestNHitsVsSimu
Entries 0
Data
Simu

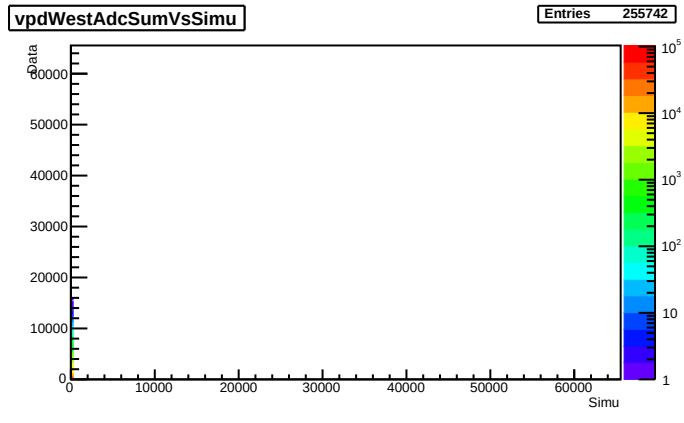

vpdEastAdcSum
Entries 375857

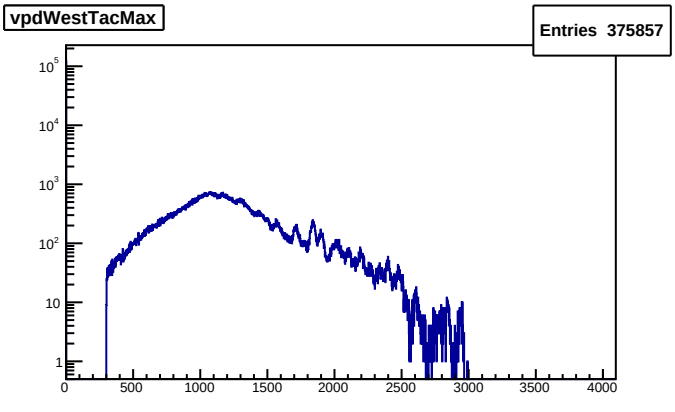

vpdEastAdcSumVsSimu
Entries 272566
Data
Simu

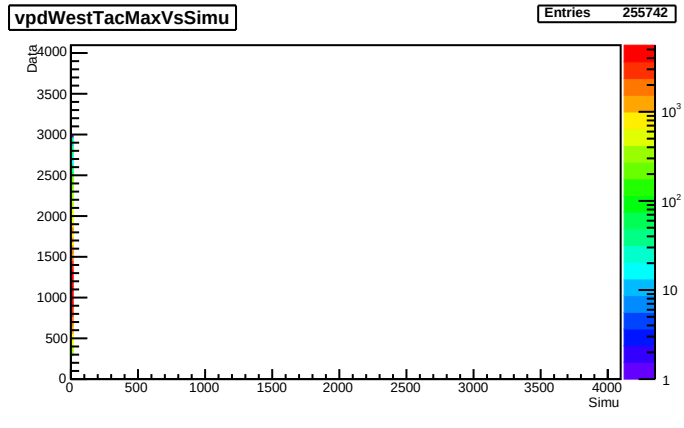

vpdEastTacMax
Entries 375857

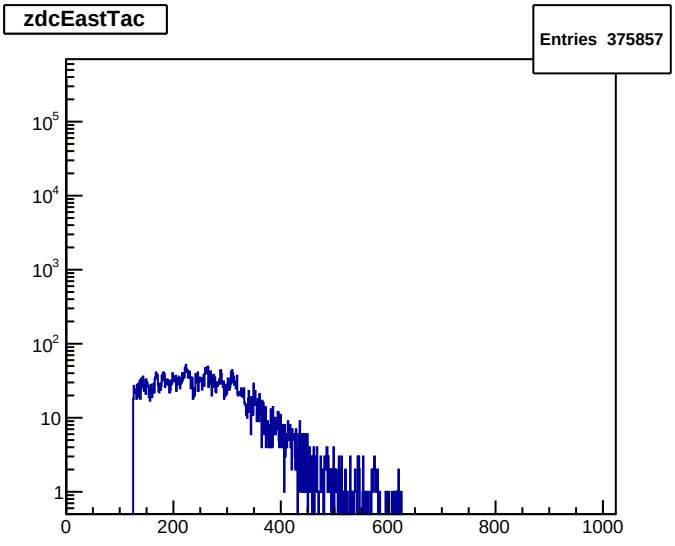

vpdEastTacMaxVsSimu
Entries 272566
Data
Simu

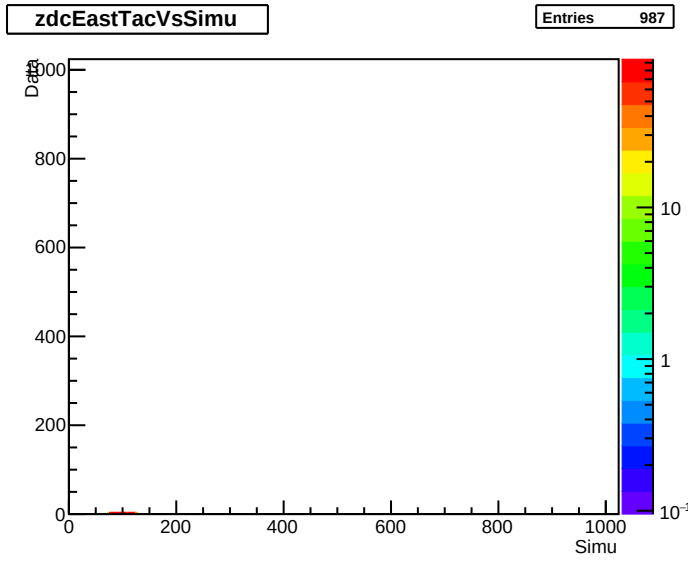

vpdWestAdcSum
Entries 375857

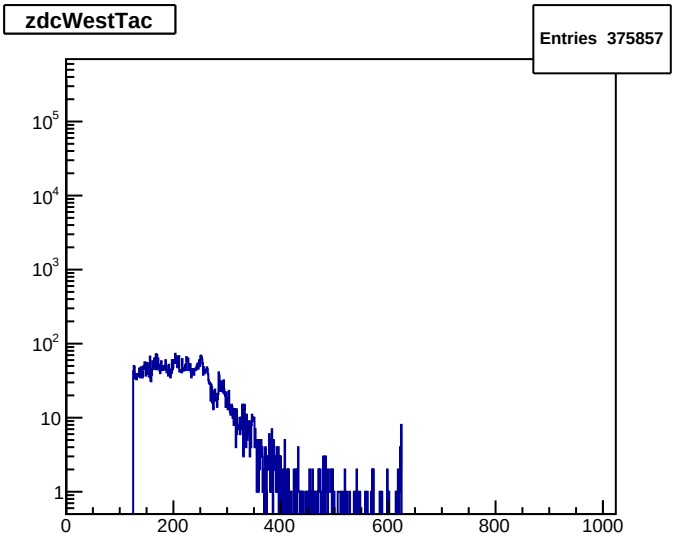

vpdWestAdcSumVsSimu
Entries 255742
Data
Simu

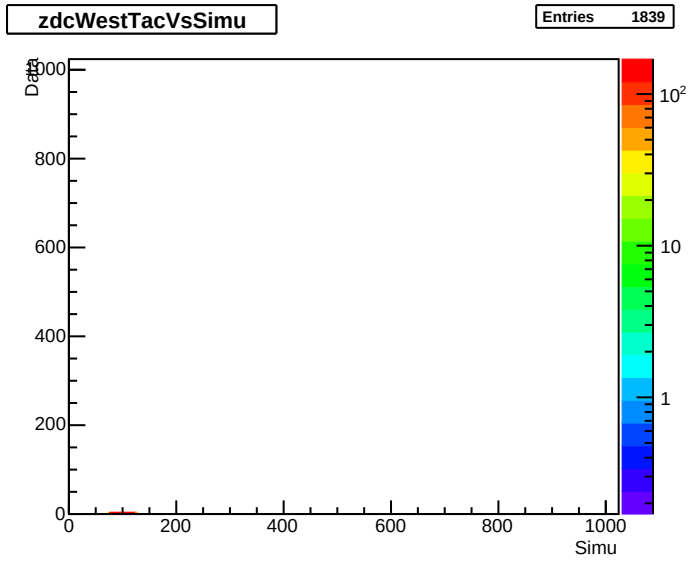

vpdWestTacMax
Entries 375857

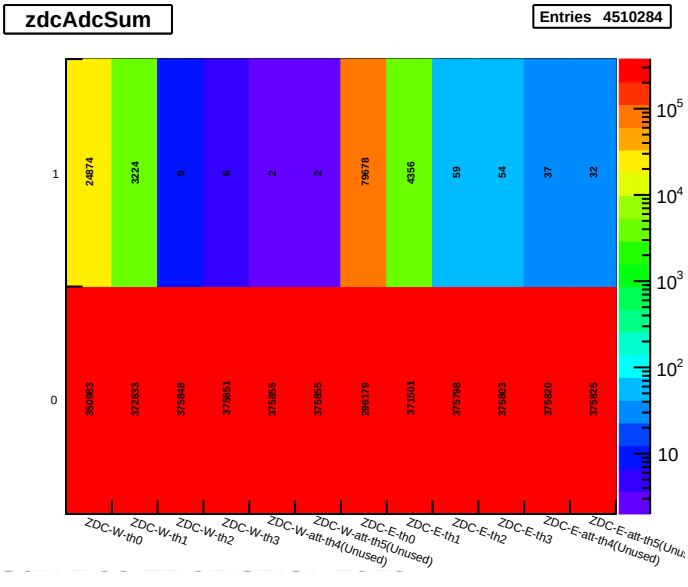

vpdWestTacMaxVsSimu
Entries 255742
Data
Simu

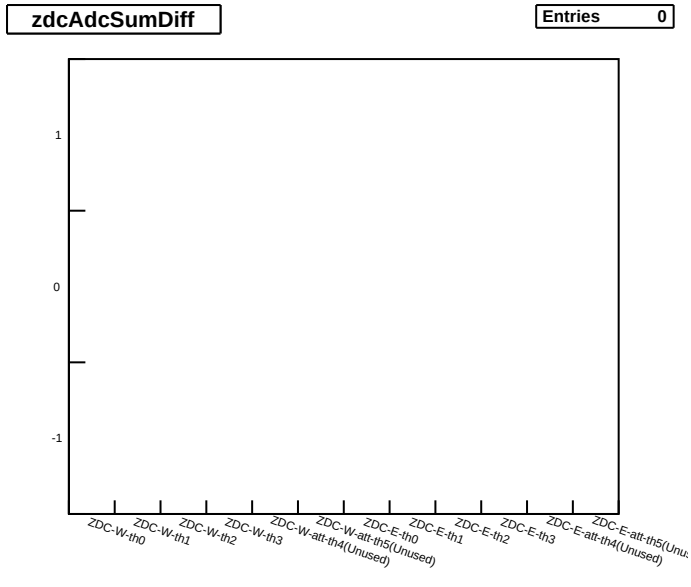

zdcEastTac
Entries 375857

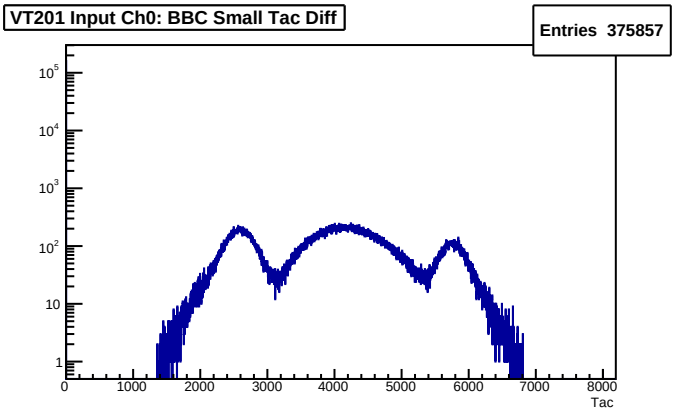

zdcEastTacVsSimu
Entries 987
Data
Simu

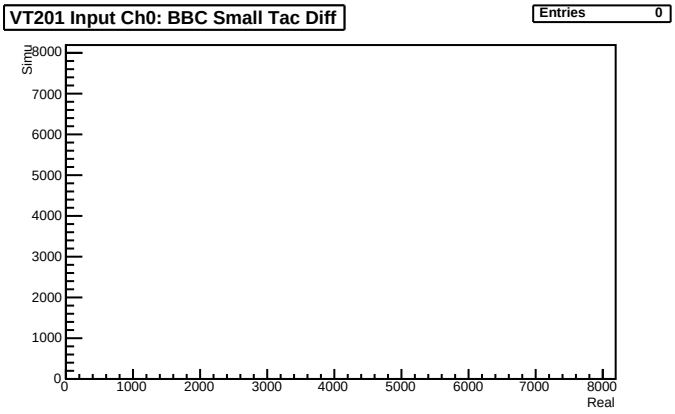

zdcWestTac
Entries 375857

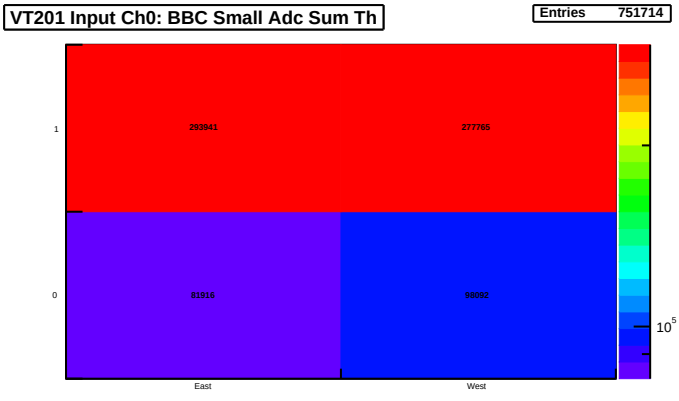

zdcWestTacVsSimu
Entries 1839
Data
Simu

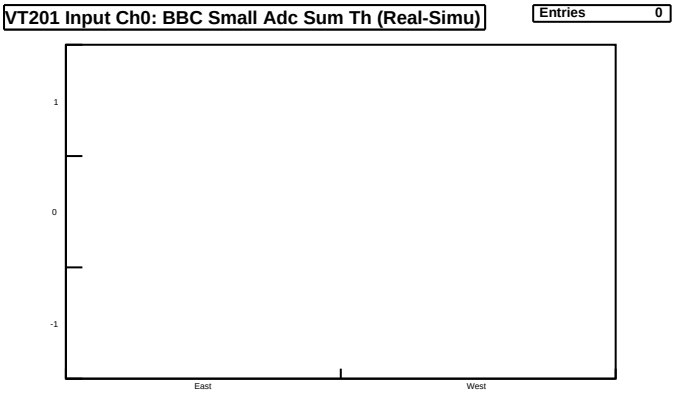

zdcAdcSum
Entries 4510284
24874
3224
9
6
2
2
79678
4356
59
54
37
32
350983
372633
375848
375851
375855
375855
296179
371501
375798
375803
375820
375825
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

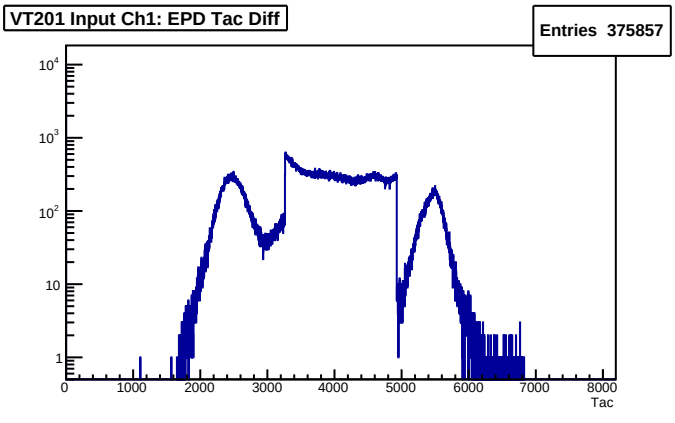

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

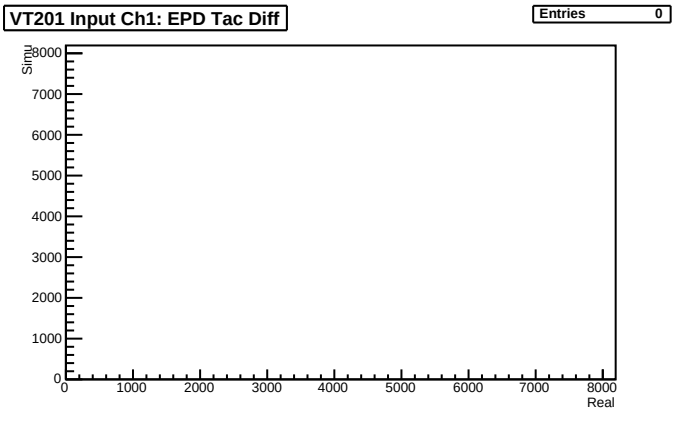

VT201 Input Ch0: BBC Small Tac Diff
Entries 375857
Tac

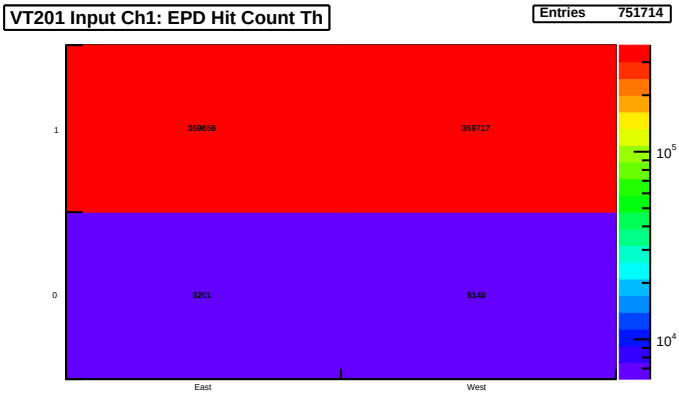

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

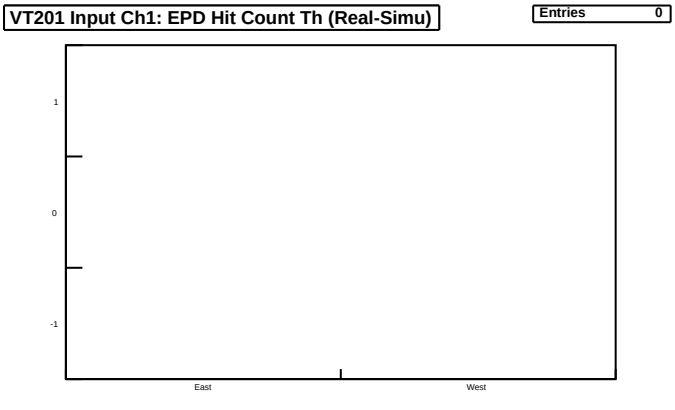

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 751714
293941
277765
81916
98092
East
West

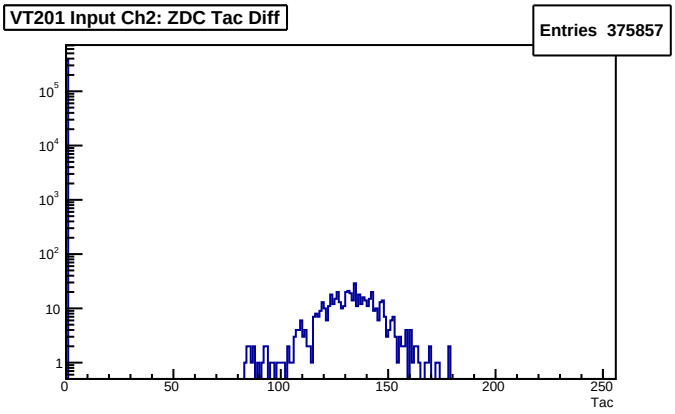

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

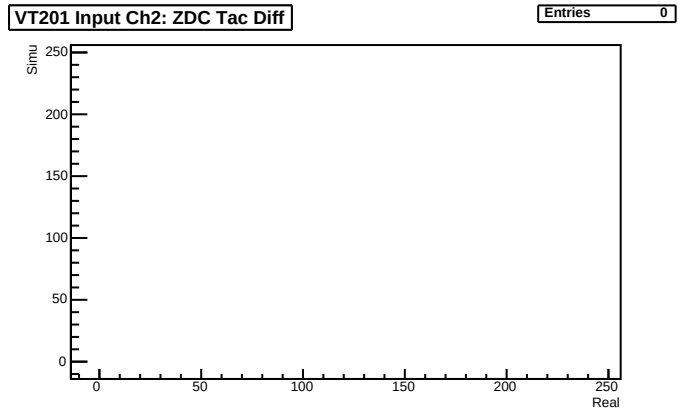

VT201 Input Ch1: EPD Tac Diff
Entries 375857
Tac

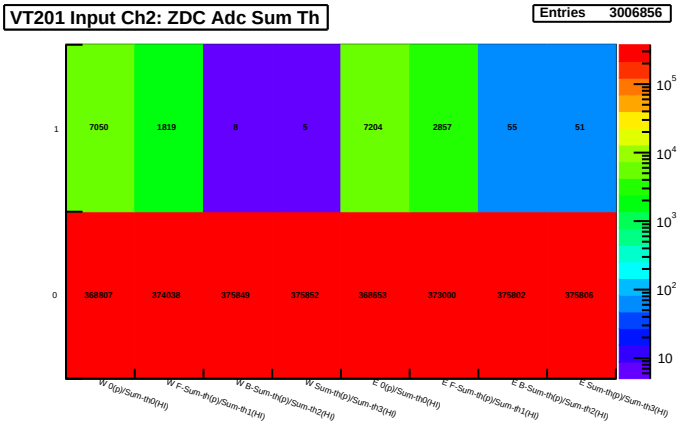

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

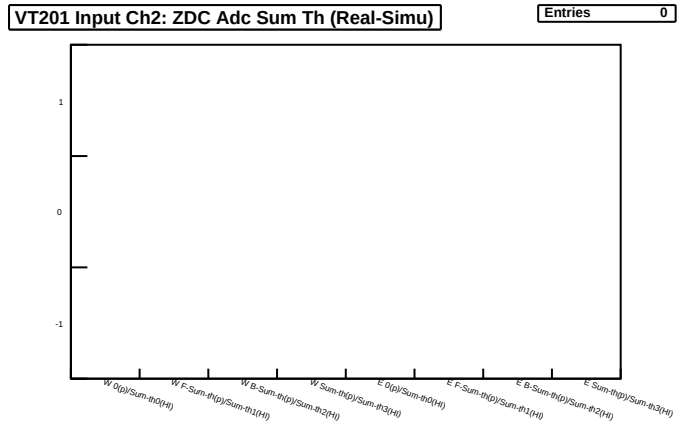

VT201 Input Ch1: EPD Hit Count Th
Entries 751714
369656
369717
6201
6140
East
West

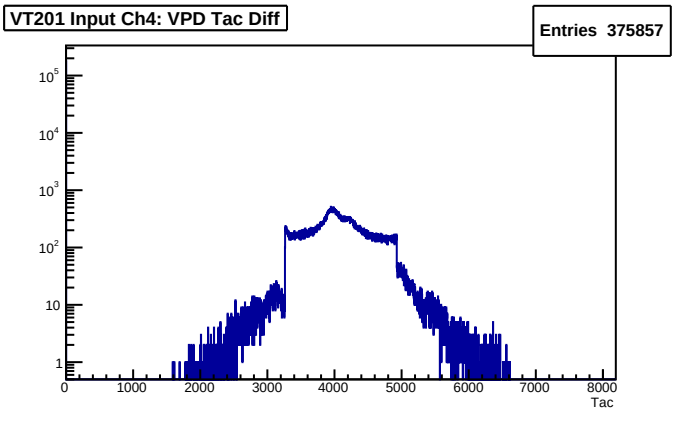

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

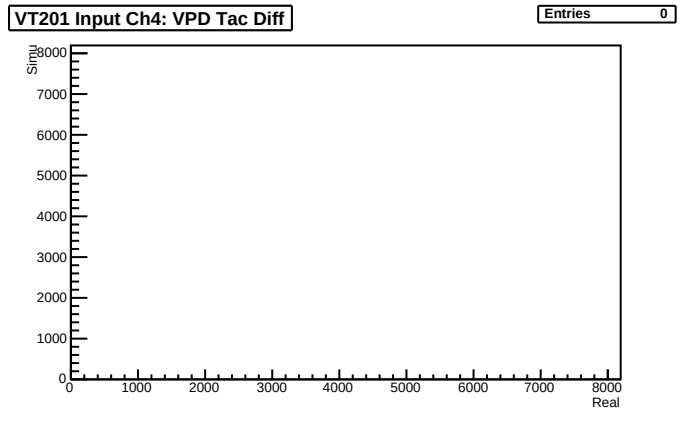

VT201 Input Ch2: ZDC Tac Diff
Entries 375857
Tac

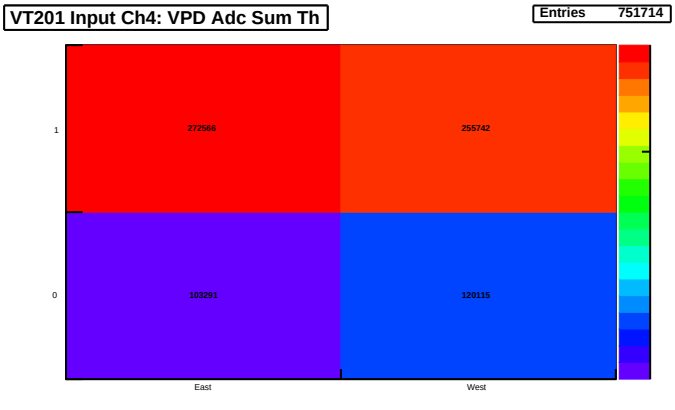

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

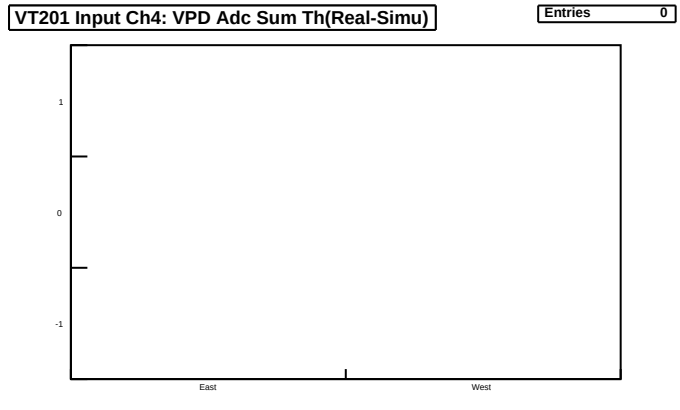

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3006856
7050
1819
8
5
7204
2857
55
51
368807
374038
375849
375852
368653
373000
375802
375806
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

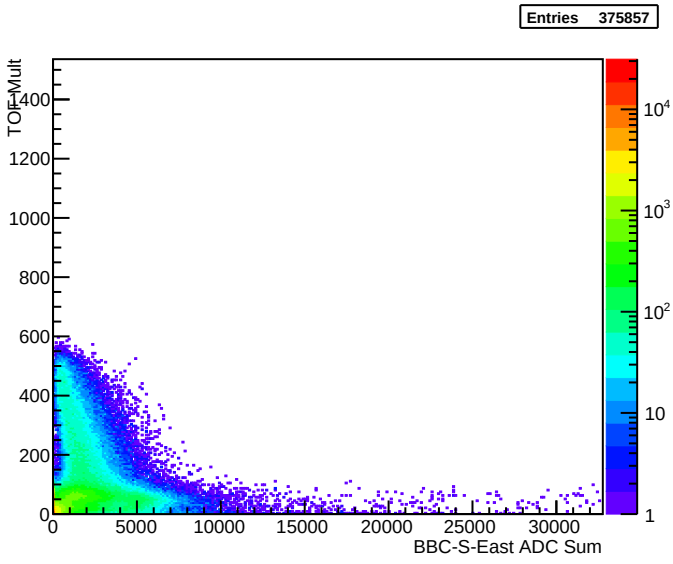

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

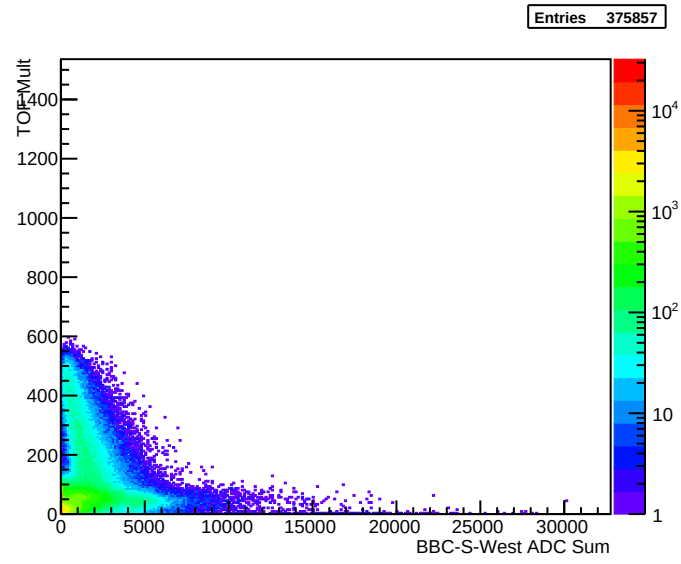

VT201 Input Ch4: VPD Tac Diff
Entries 375857
Tac

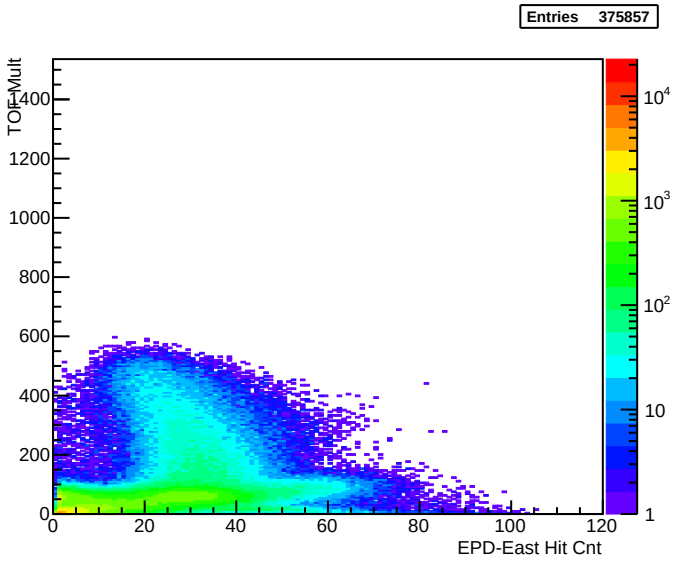

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

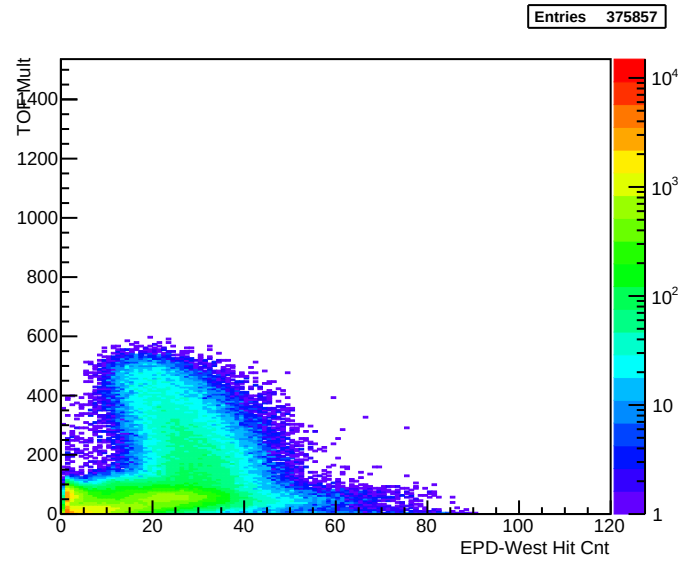

VT201 Input Ch4: VPD Adc Sum Th
Entries 751714
272566
255742
103291
120115
East
West

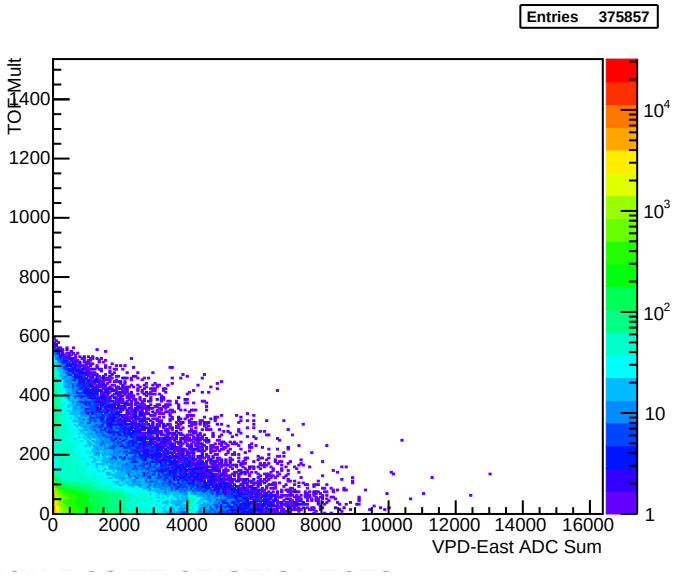

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

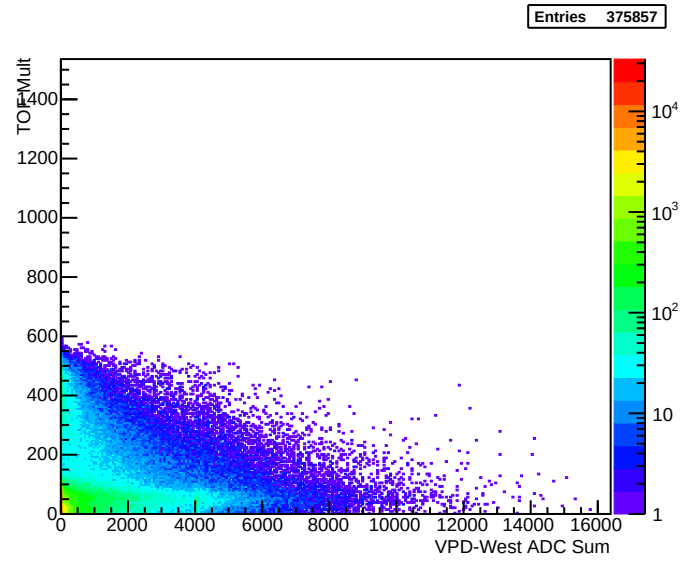

Entries 375857
TOF-Mult
BBC-S-East ADC Sum

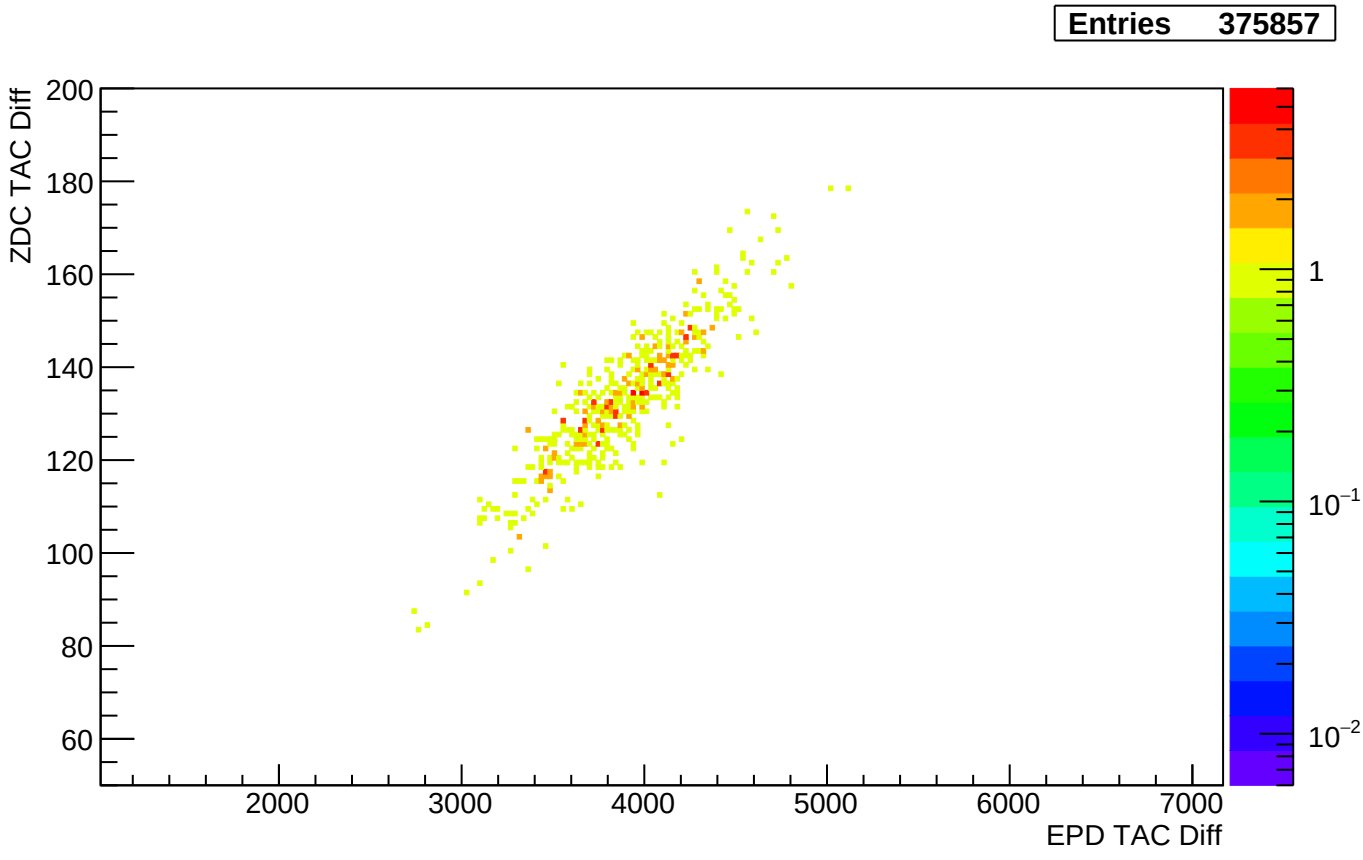

Entries 375857
TOF-Mult
BBC-S-West ADC Sum

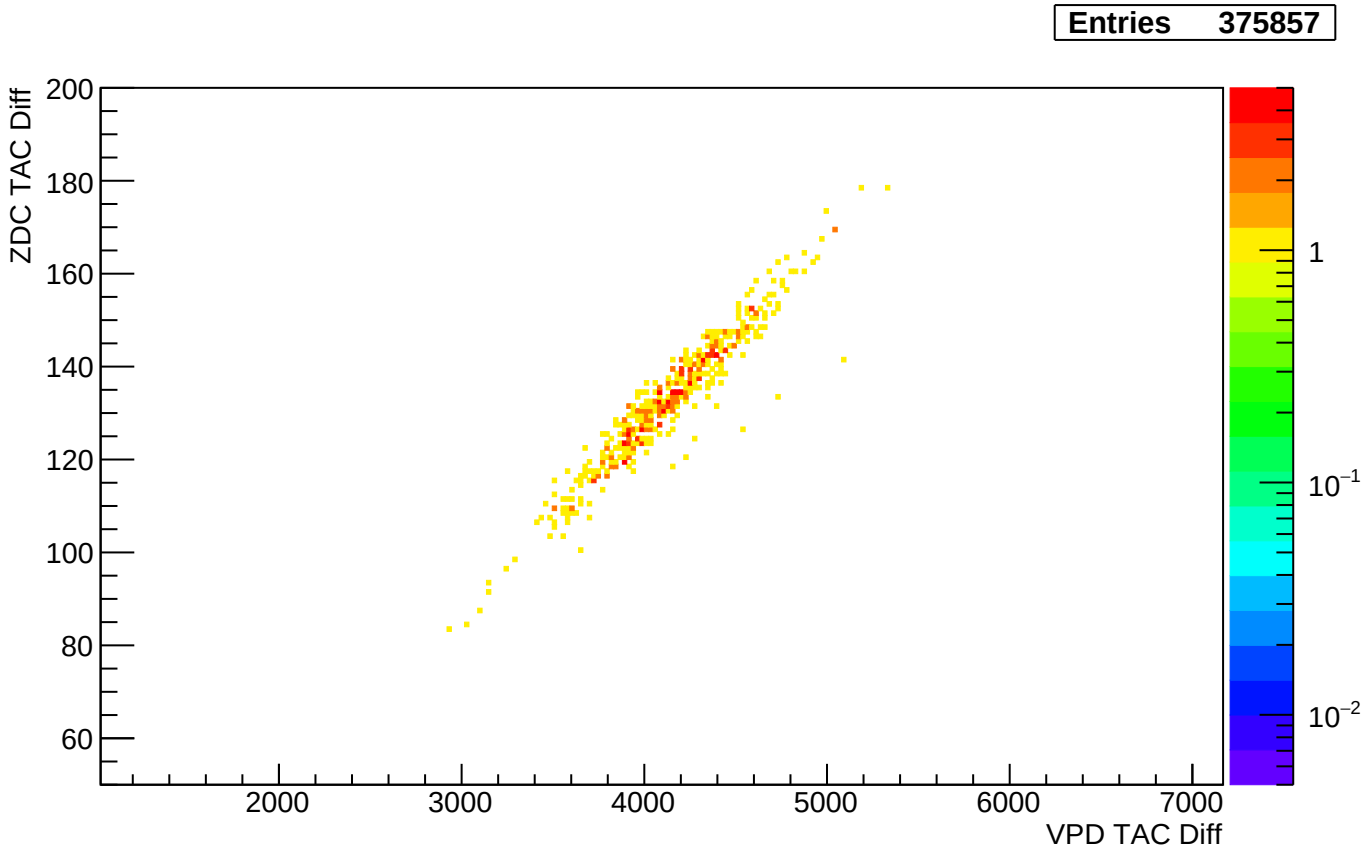

Entries 375857
TOF-Mult
EPD-East Hit Cnt

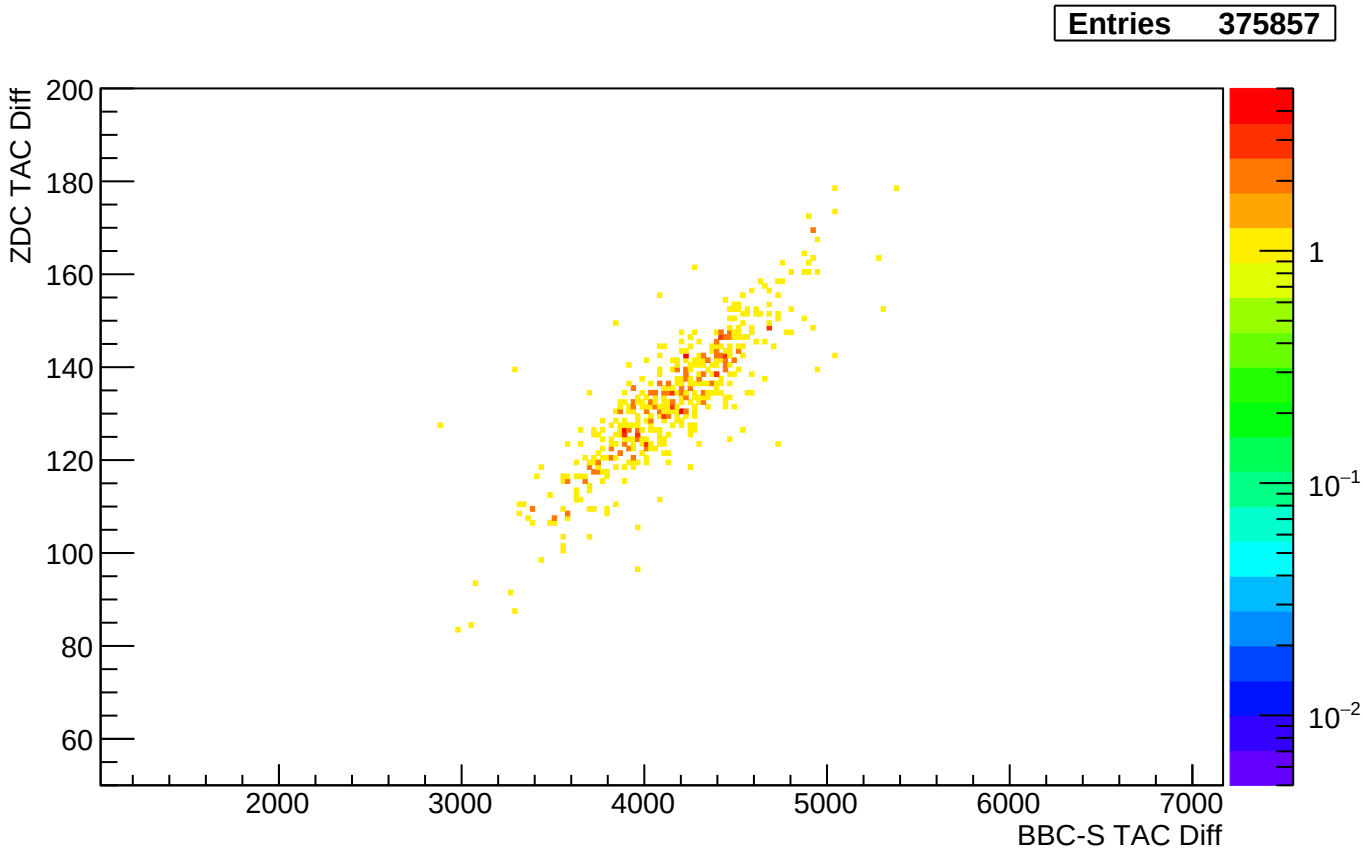

Entries 375857
TOF-Mult
EPD-West Hit Cnt

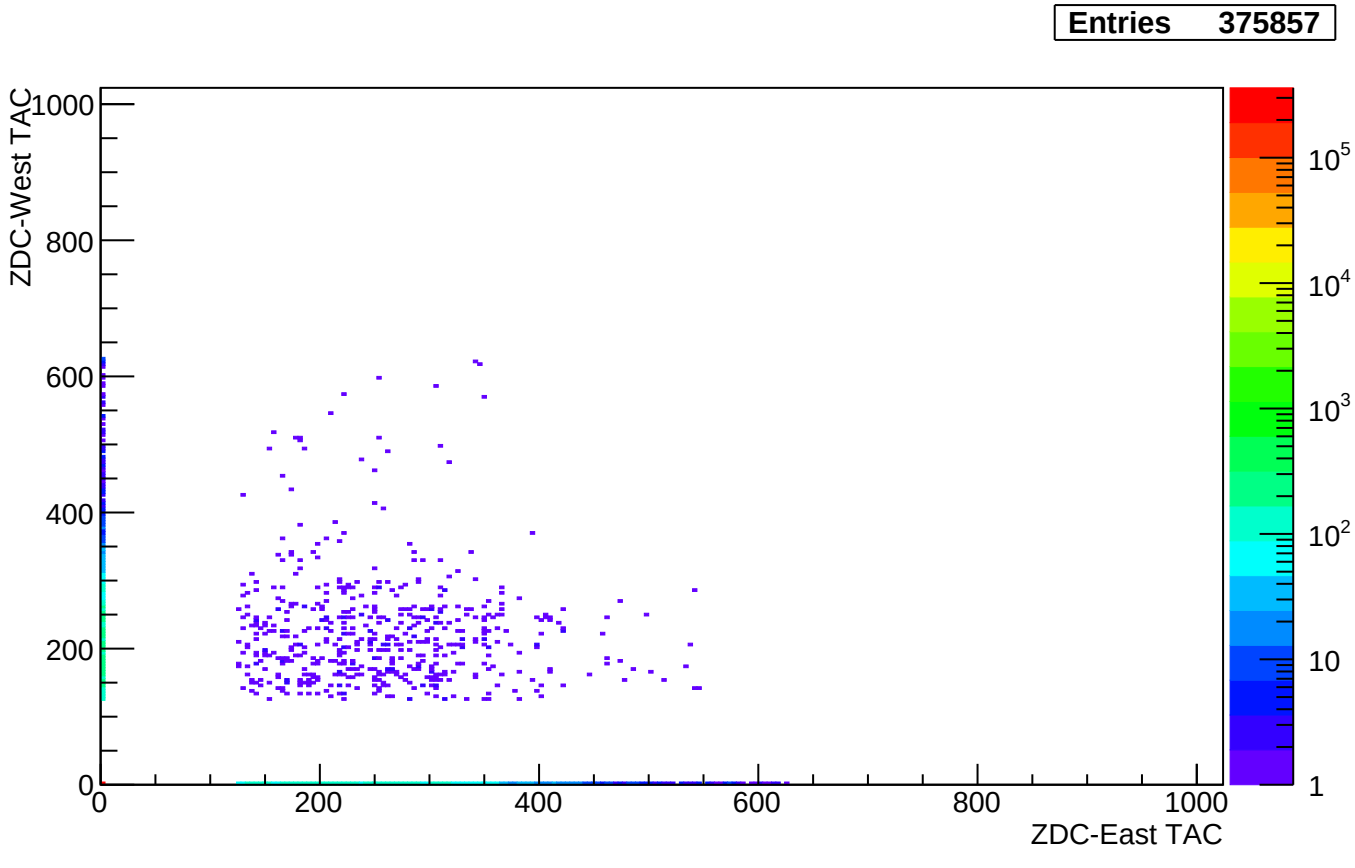

Entries 375857
TOF-Mult
VPD-East ADC Sum

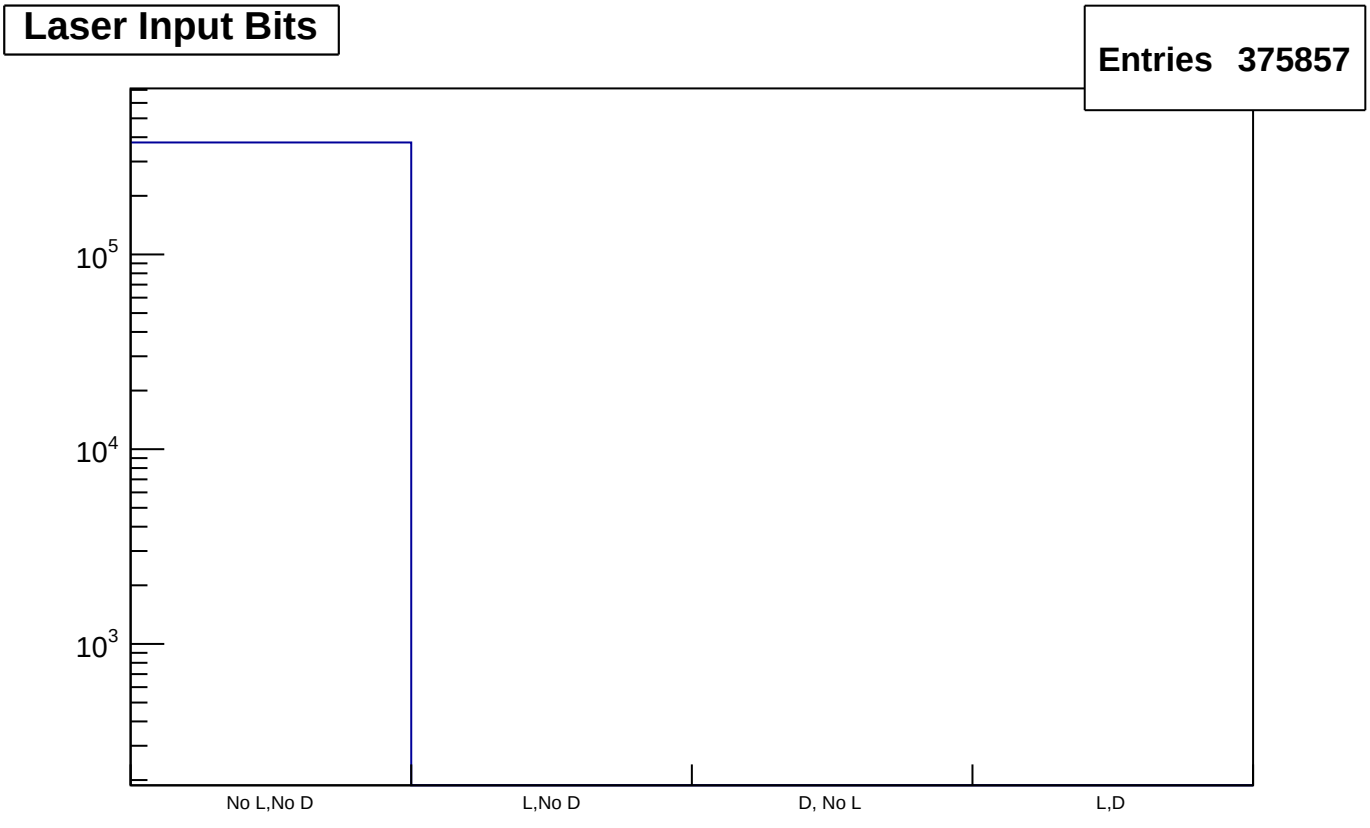

Entries 375857
TOF-Mult
VPD-West ADC Sum

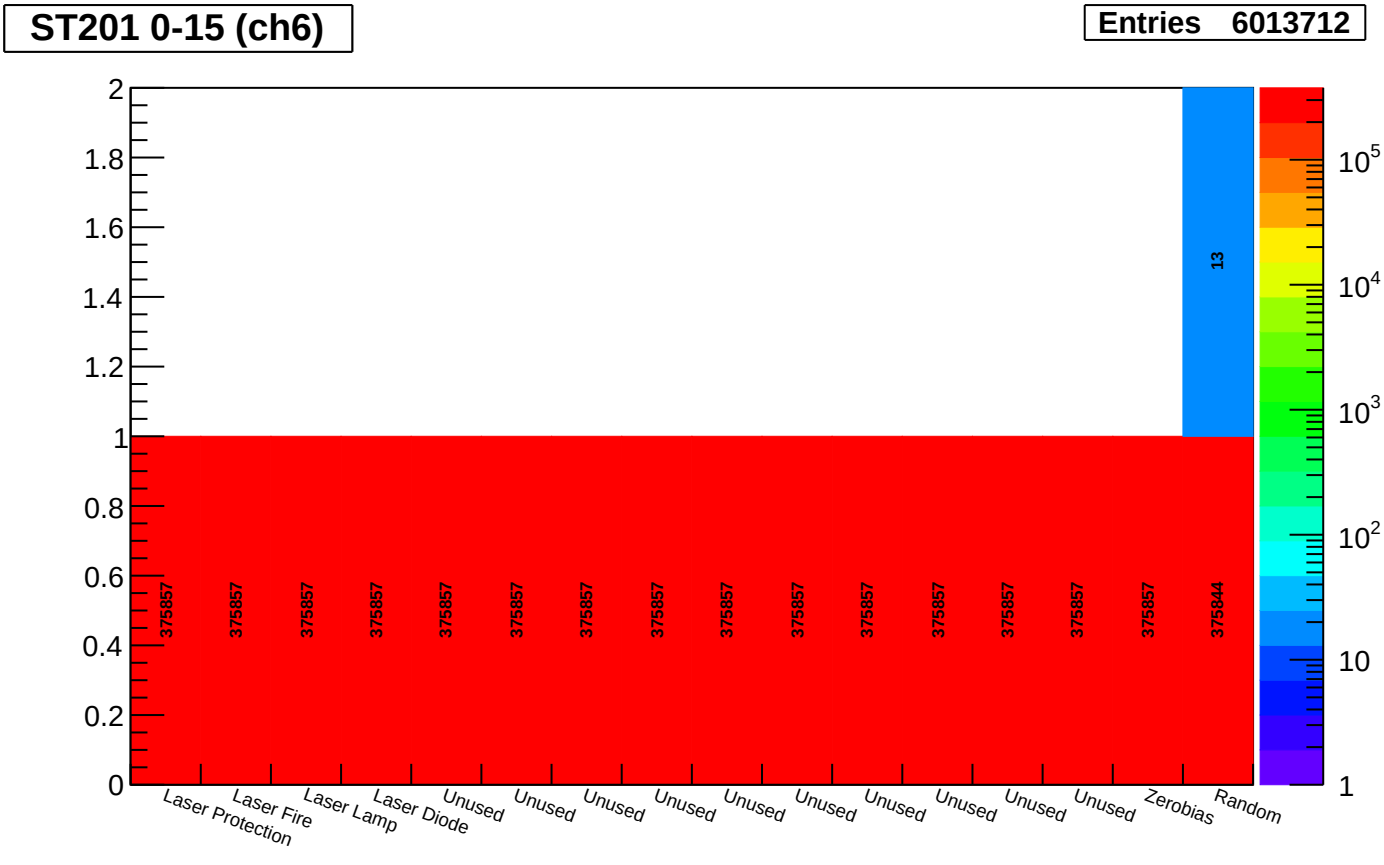

Entries 375857
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

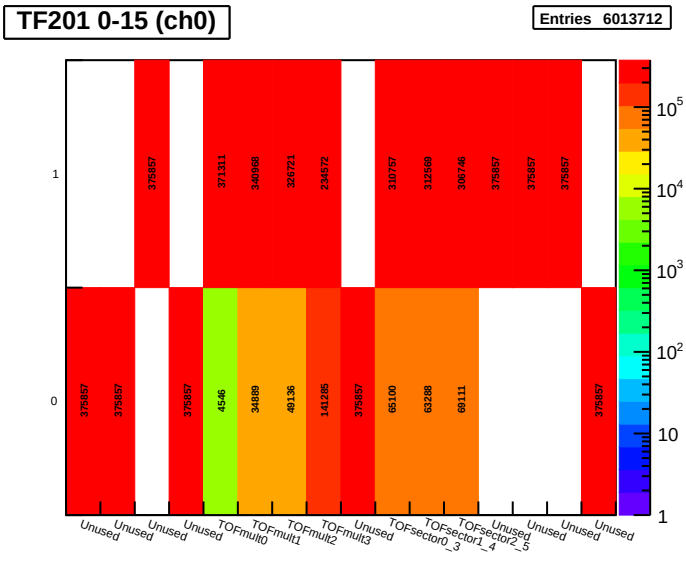

Entries 375857
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

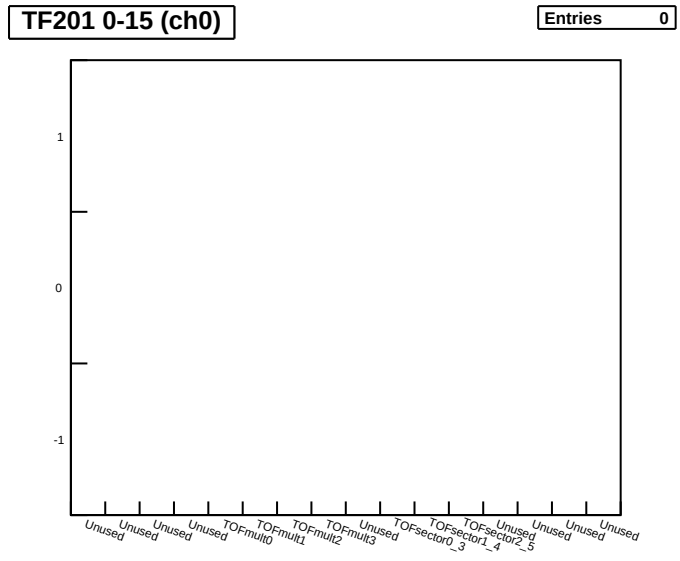

Entries 375857
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

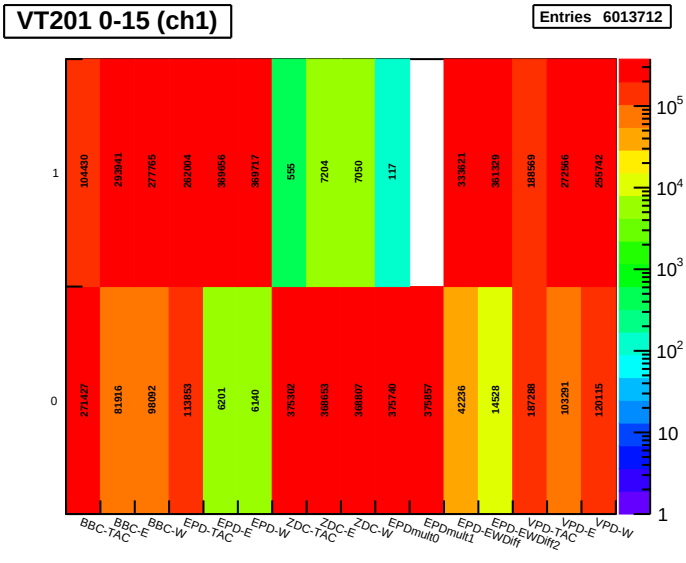

Entries 375857
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

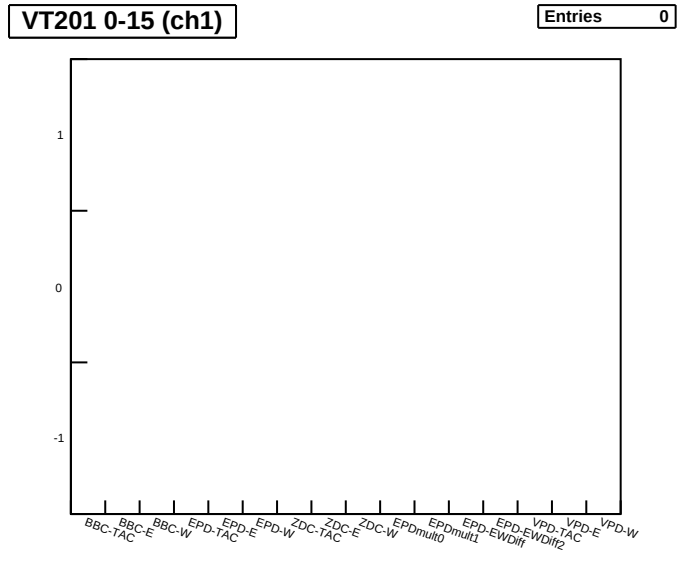

Laser Input Bits
Entries 375857
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

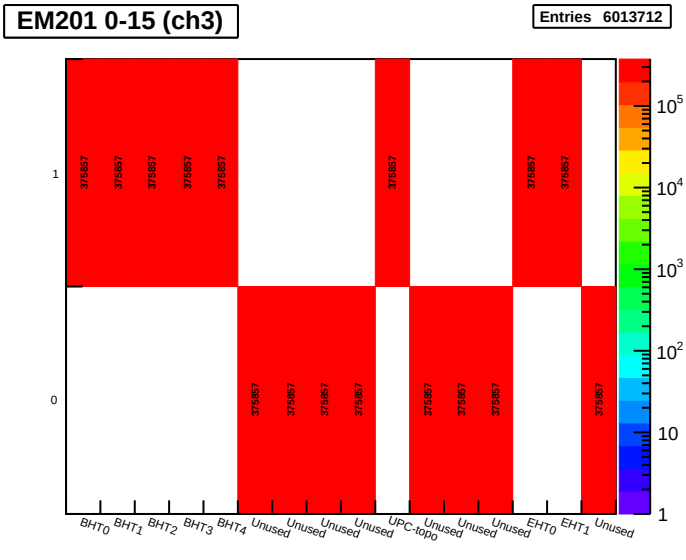

ST201 0-15 (ch6)
Entries 6013712
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
13
375857
375844
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

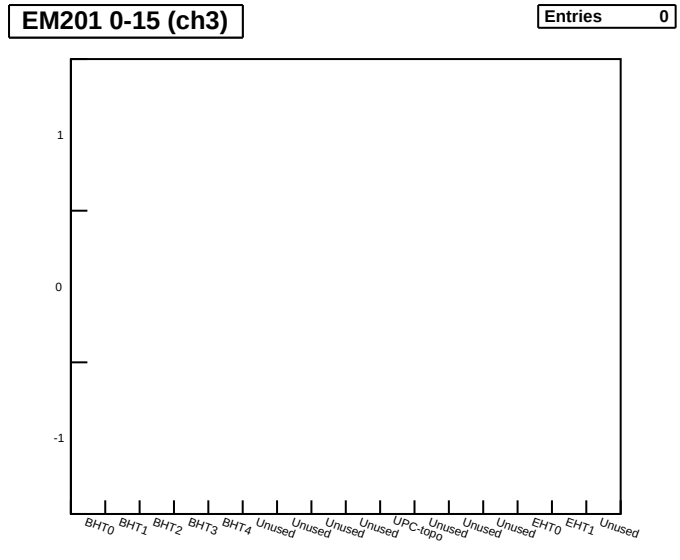

TF201 0-15 (ch0)
Entries 6013712
1
0
375857 371311 340968 326721 234572 310757 312569 306746 375857 375857 375857
375857 375857 375857 4546 34889 49136 141285 375857 65100 63288 69111 375857
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^5 10^4 10^3 10^2 10 1


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


VT201 0-15 (ch1)
Entries 6013712
1
0
104430 293941 277765 262004 369656 369717 555 7204 7050 117 333621 361329 188569 272566 255742
271427 81916 98092 113853 6201 6140 375302 368653 368807 375740 375857 42236 14528 187288 103291 120115
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 6013712
1
0
375857 375857 375857 375857 375857 375857 375857 375857
375857 375857 375857 375857 375857 375857 375857 375857
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