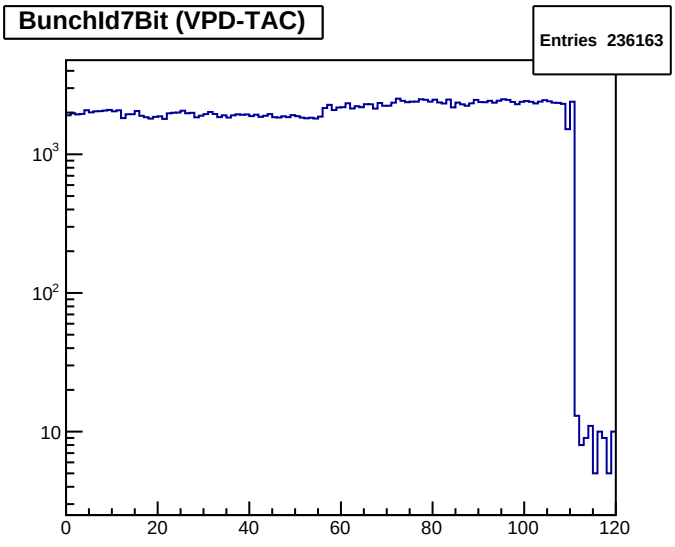
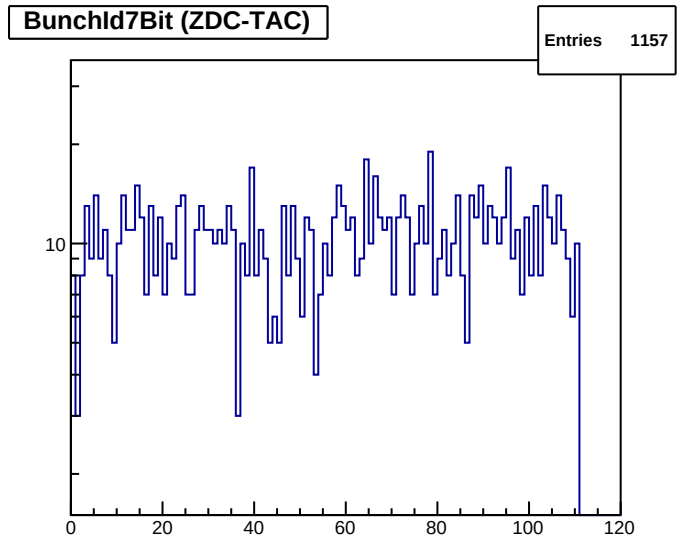
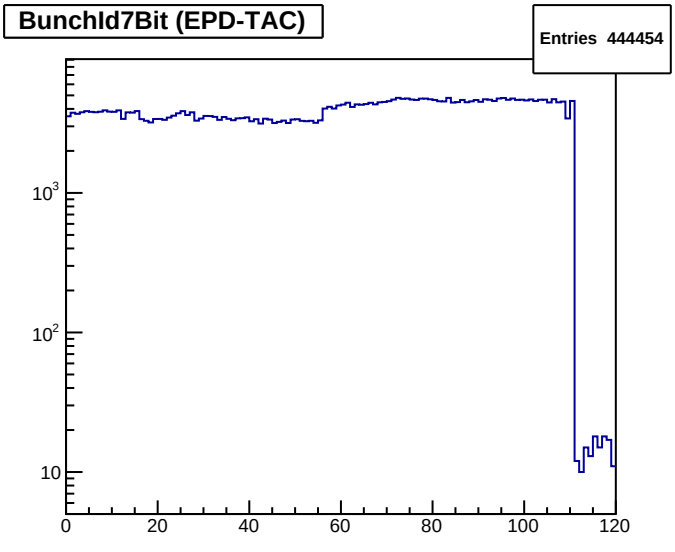
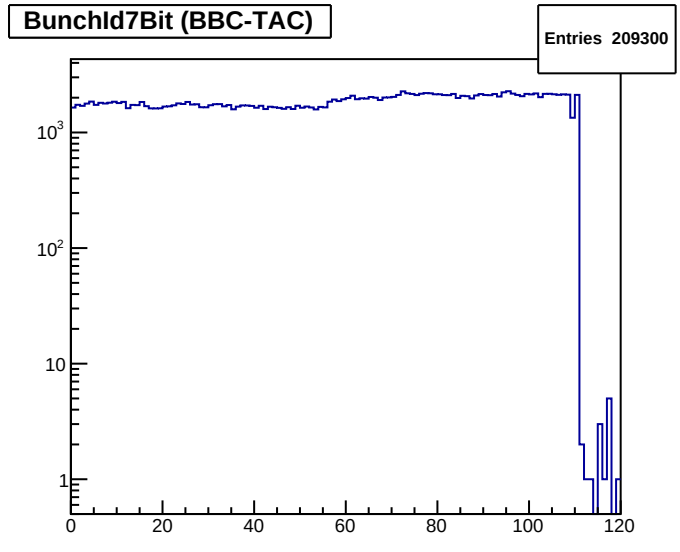
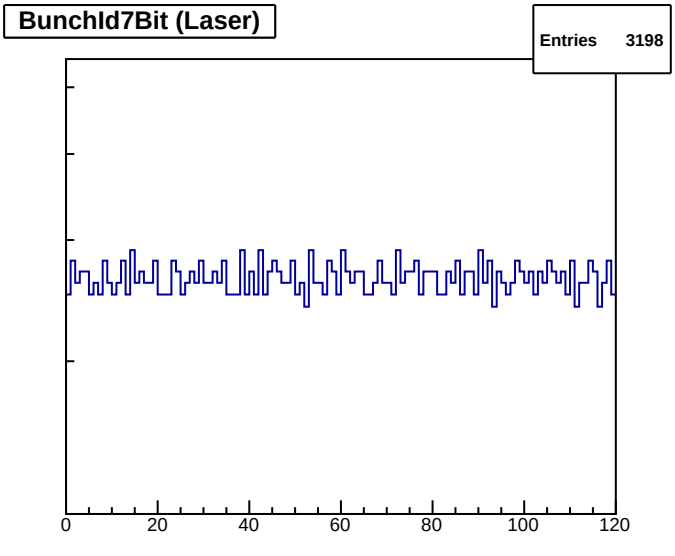
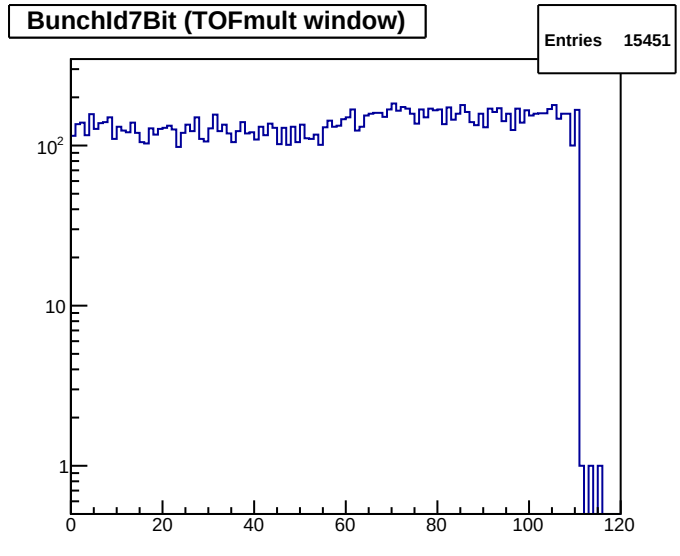

BunchId7Bit (VPD-TAC)
Entries 236163
10^3
10^2
10
0 20 40 60 80 100 120

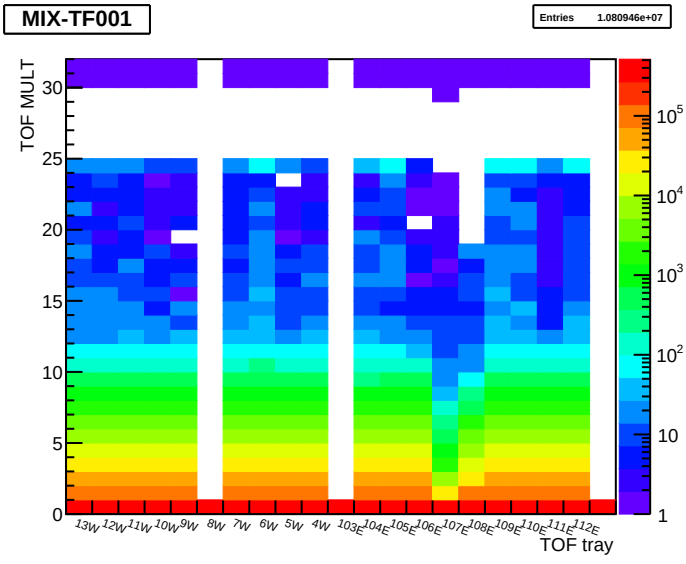

BunchId7Bit (ZDC-TAC)
Entries 1157
10
0 20 40 60 80 100 120

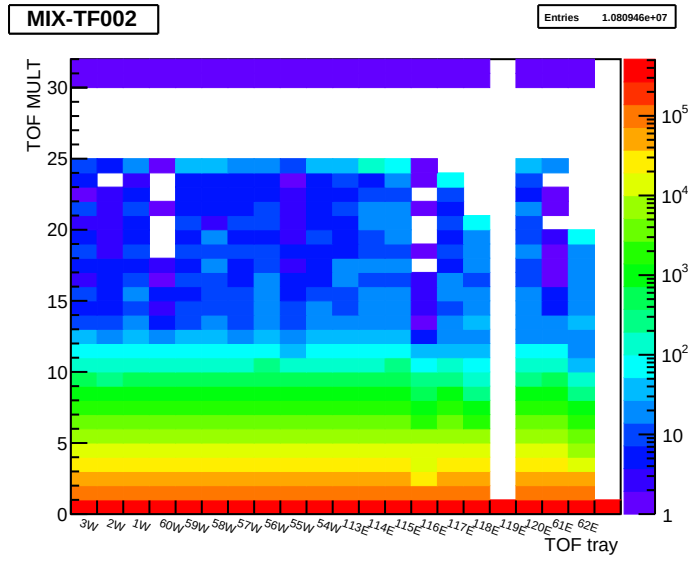

BunchId7Bit (EPD-TAC)
Entries 444454
10^3
10^2
10
0 20 40 60 80 100 120

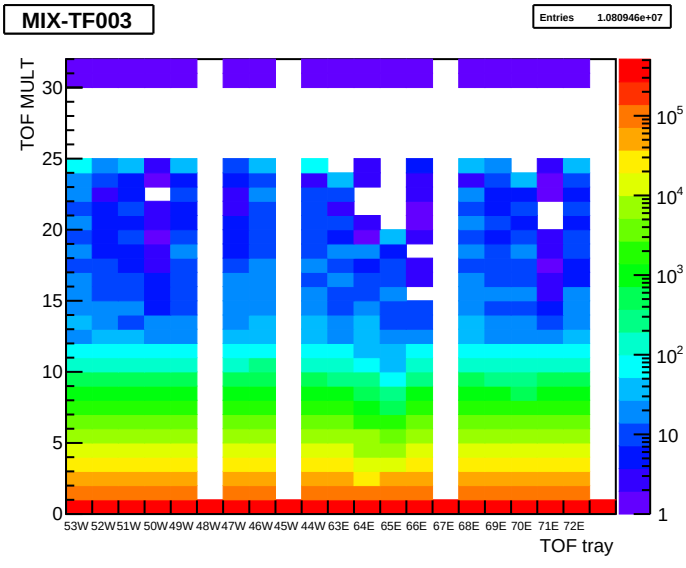

BunchId7Bit (BBC-TAC)
Entries 209300
10^3
10^2
10
1
0 20 40 60 80 100 120

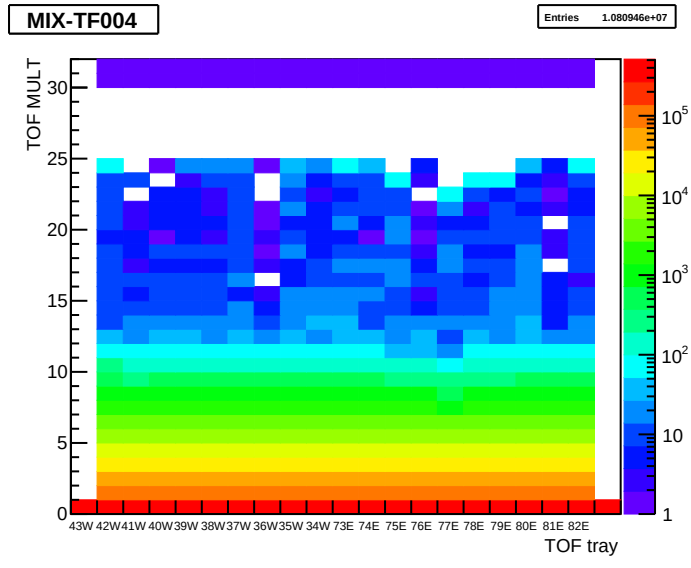

BunchId7Bit (Laser)
Entries 3198
0 20 40 60 80 100 120

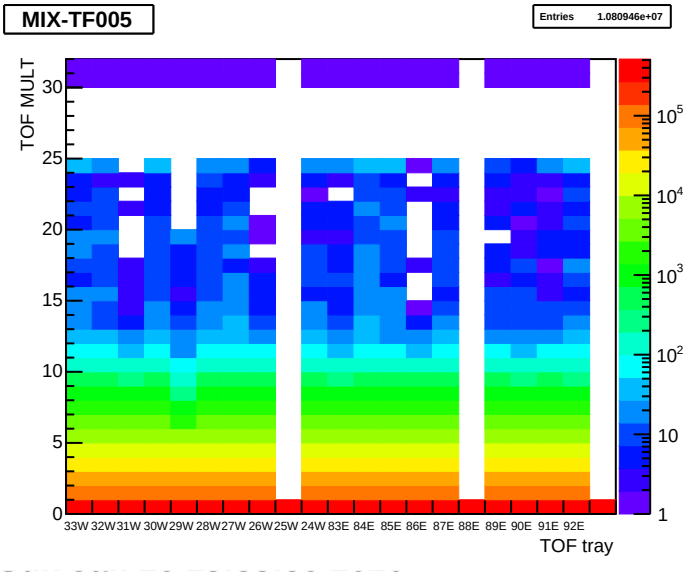

BunchId7Bit (TOFmult window)
Entries 15451
10^2
10
1
0 20 40 60 80 100 120

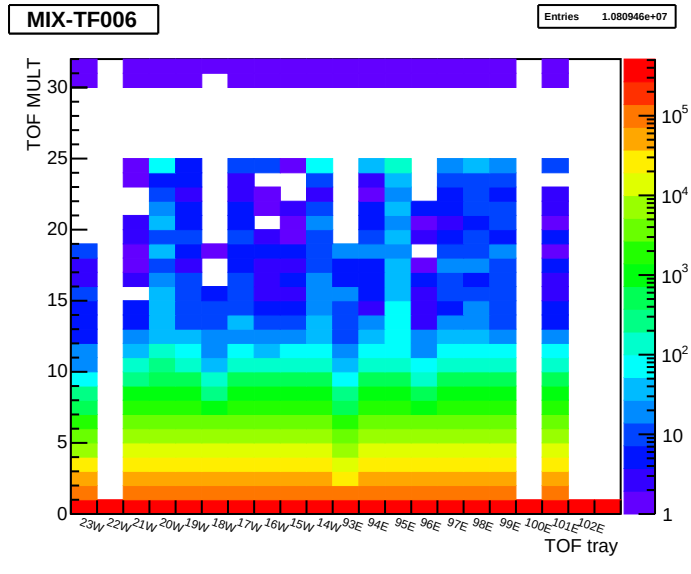

MIX-TF001
Entries 1.080946e+07
TOF MULT
TOF tray

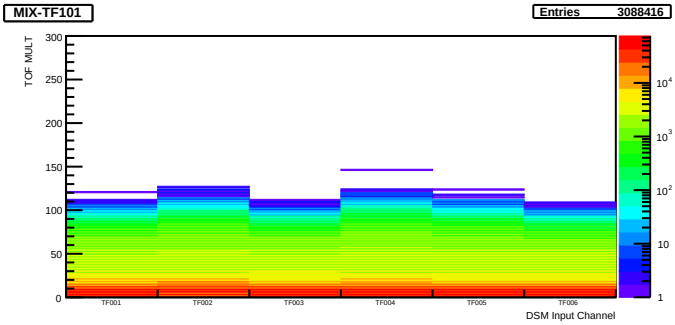

MIX-TF002
Entries 1.080946e+07
TOF MULT
TOF tray

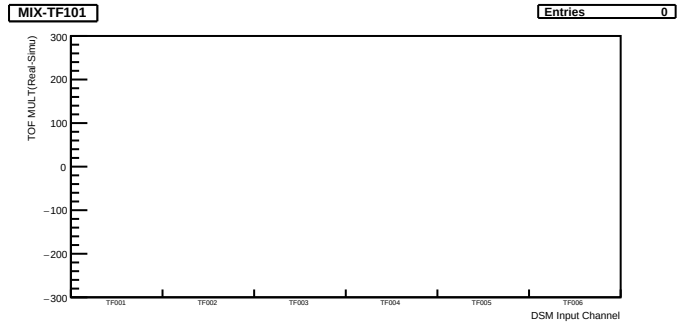

MIX-TF003
Entries 1.080946e+07
TOF MULT
TOF tray

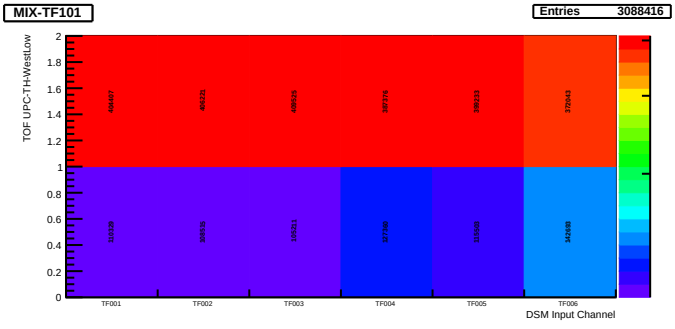

MIX-TF004
Entries 1.080946e+07
TOF MULT
TOF tray

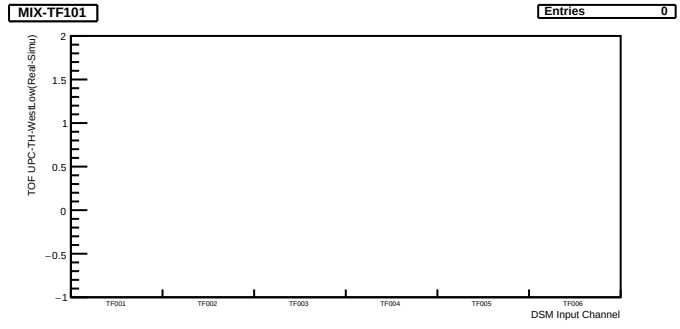

MIX-TF005
Entries 1.080946e+07
TOF MULT
TOF tray

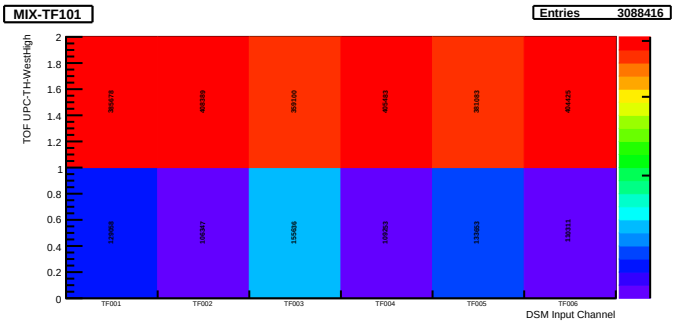

MIX-TF006
Entries 1.080946e+07
TOF MULT
TOF tray

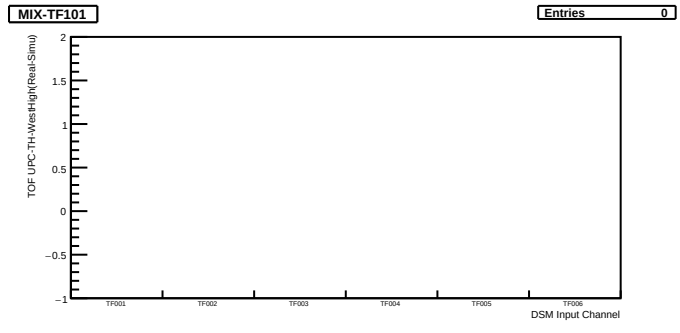

MIX-TF101
Entries 3088416
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

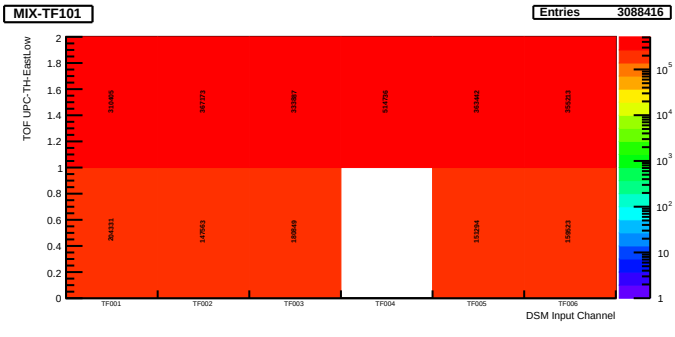

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

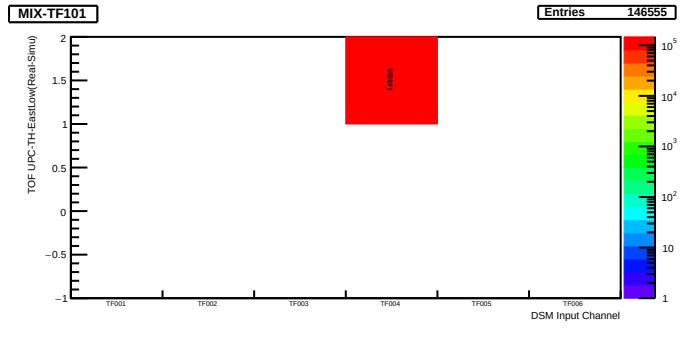

MIX-TF101
Entries 3088416
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

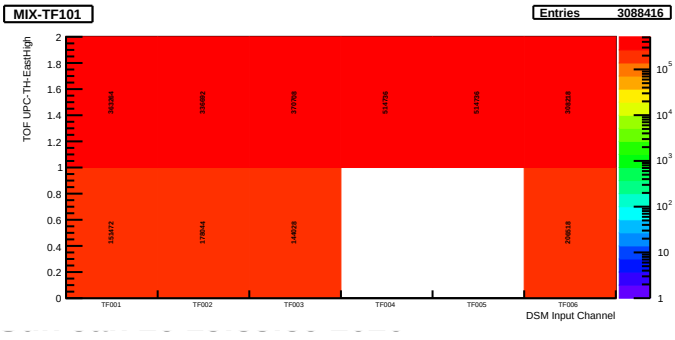

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

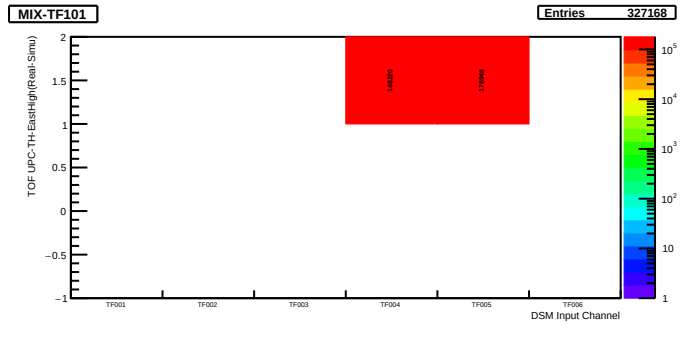

MIX-TF101
Entries 3088416
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

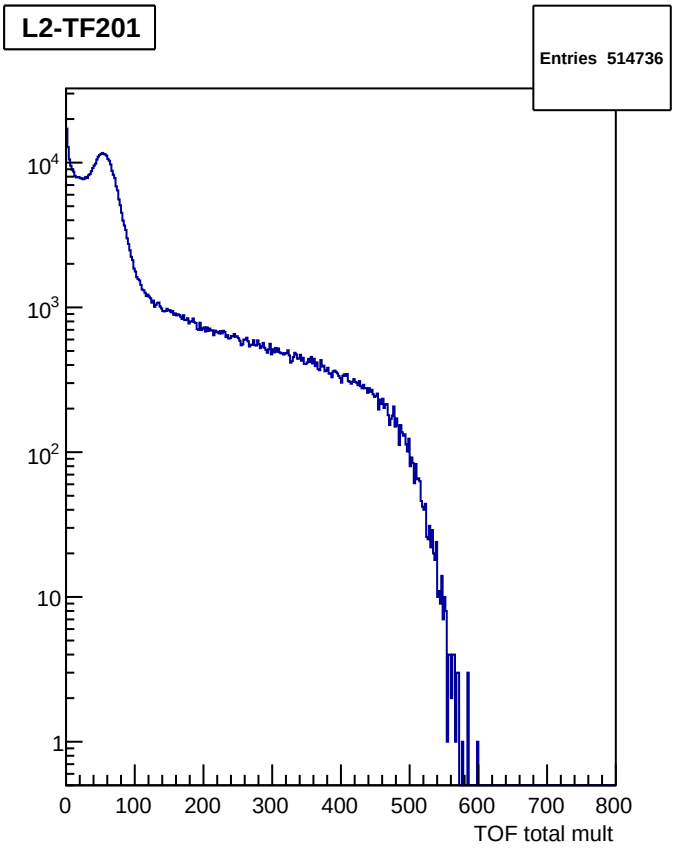

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

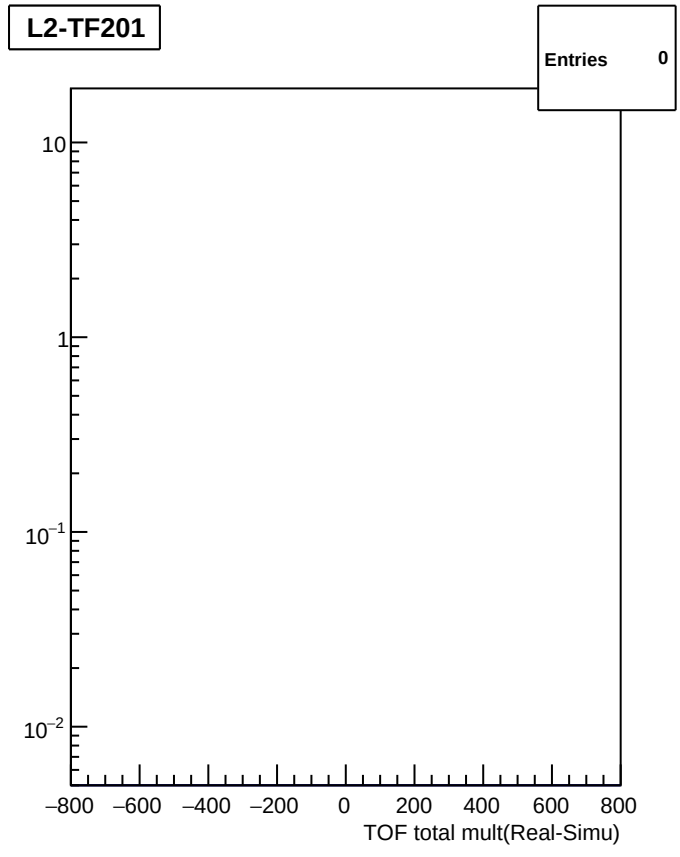

MIX-TF101
Entries 3088416
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

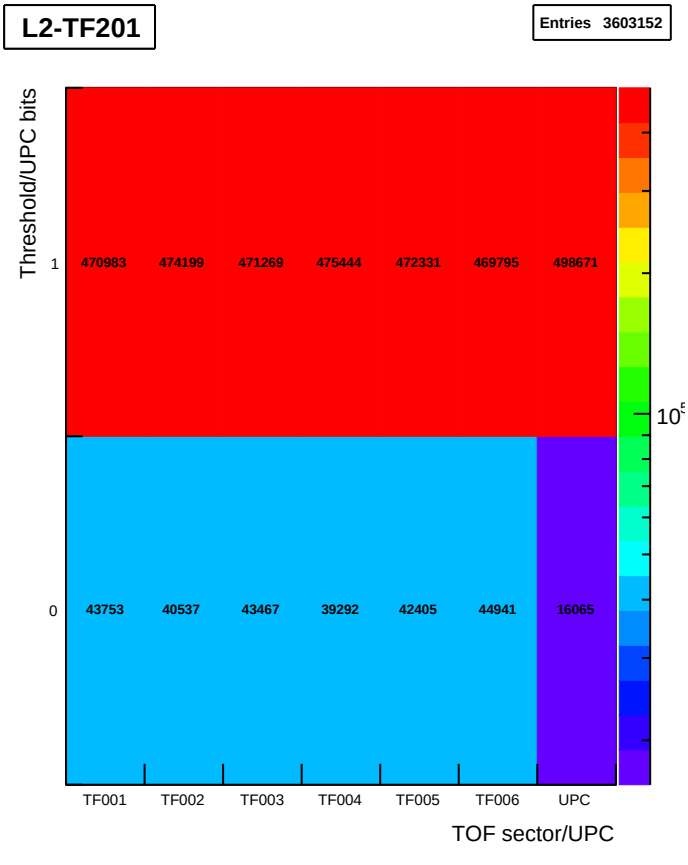

MIX-TF101
Entries 146555
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

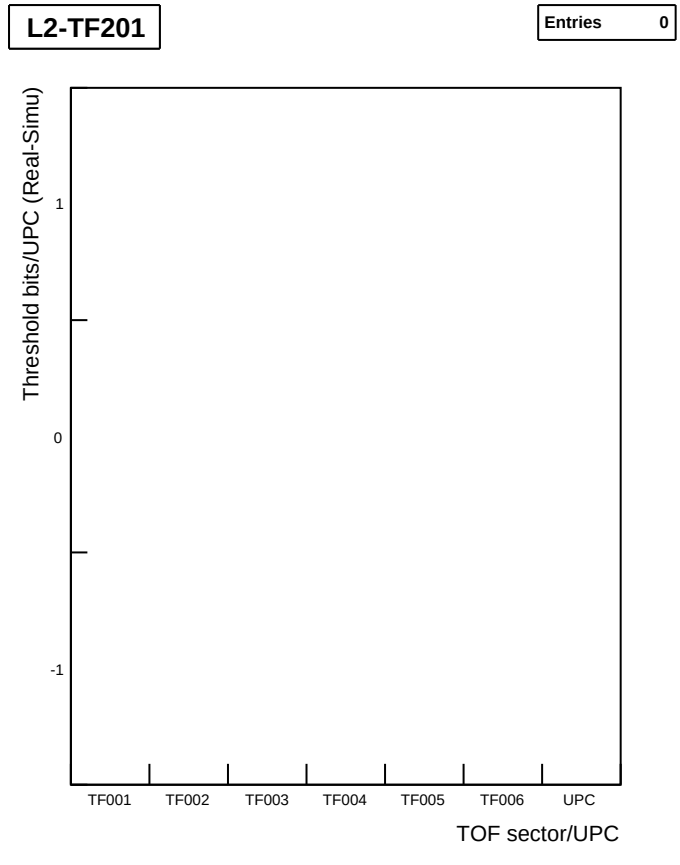

MIX-TF101
Entries 3088416
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

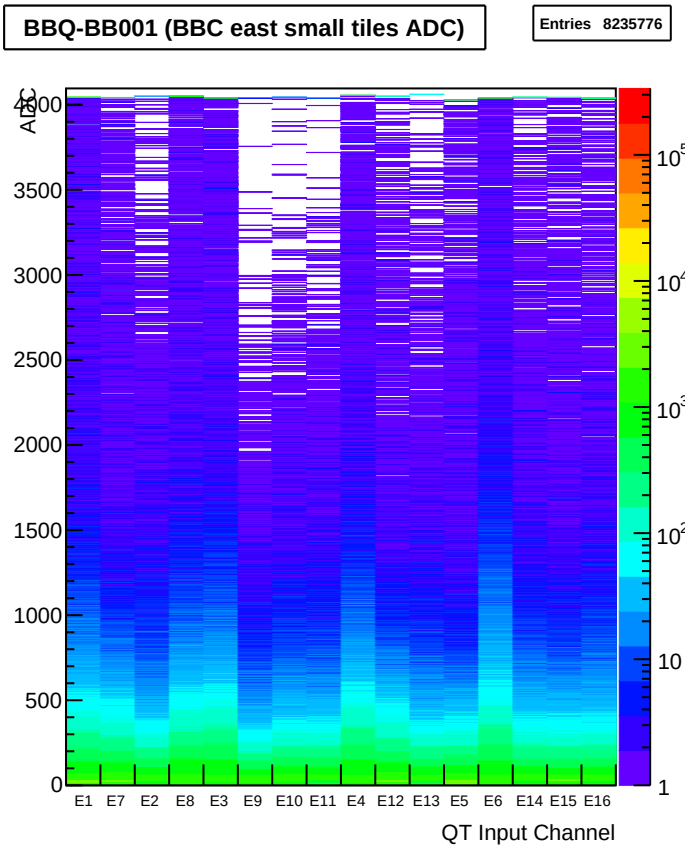

MIX-TF101
Entries 327168
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

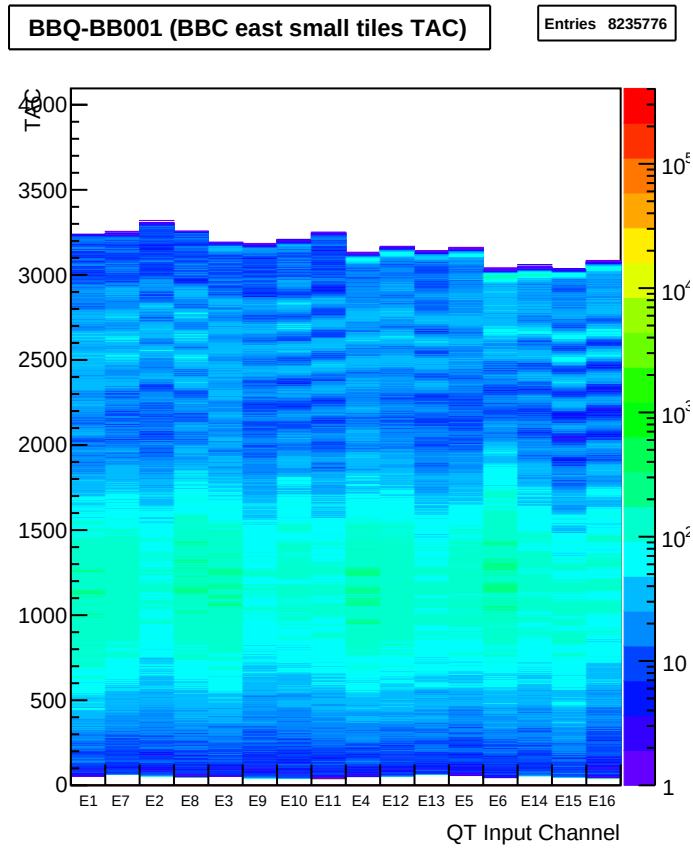

L2-TF201
Entries 514736
TOF total mult

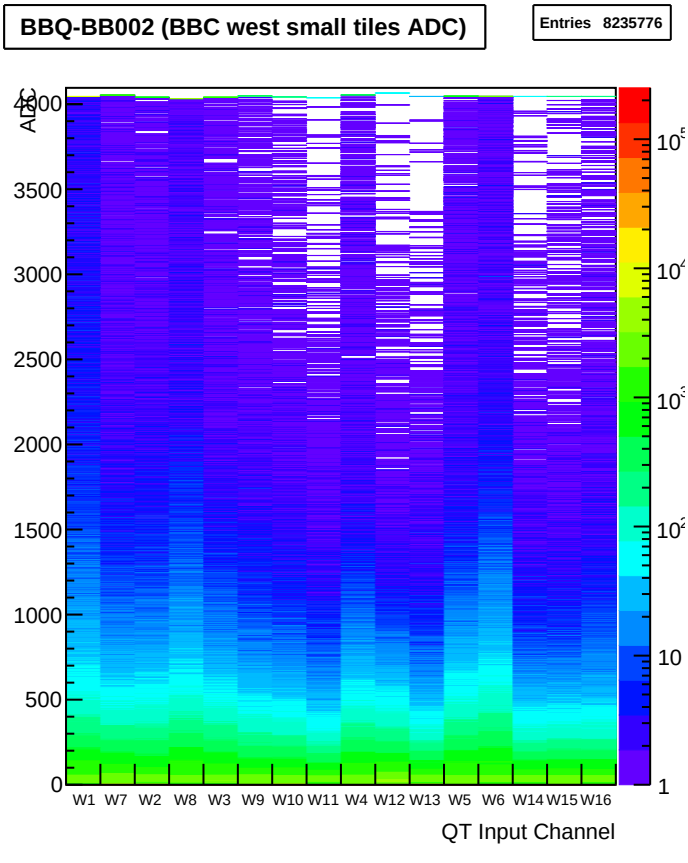

L2-TF201
Entries 0
TOF total mult(Real-Simu)

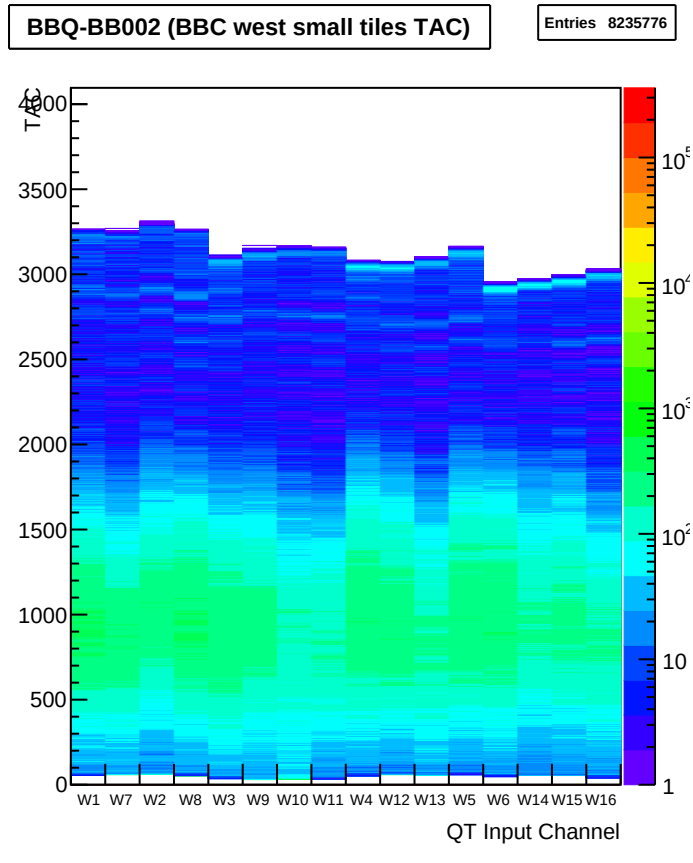

L2-TF201
Entries 3603152
Threshold/UPC bits
470983
474199
471269
475444
472331
469795
498671
43753
40537
43467
39292
42405
44941
16065
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

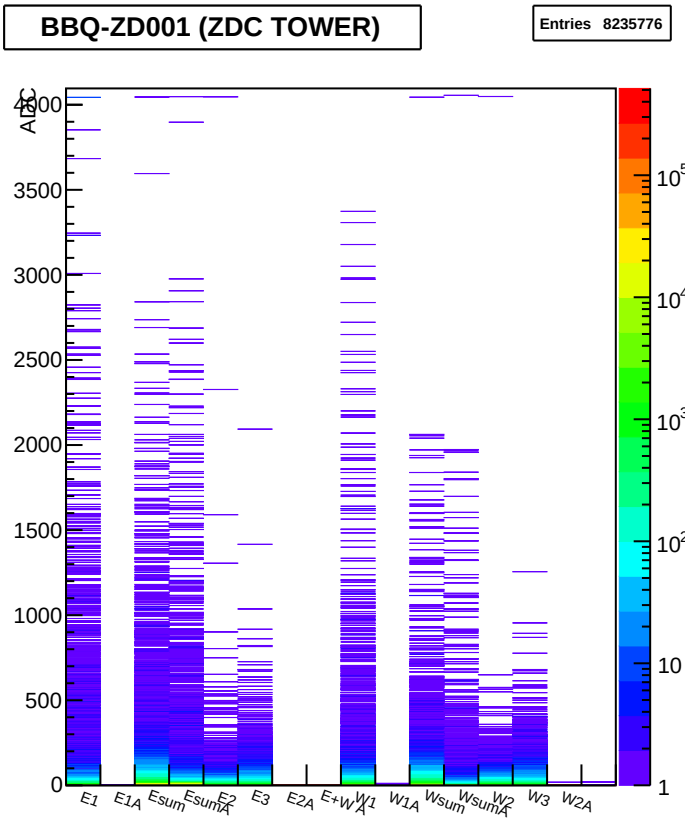

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

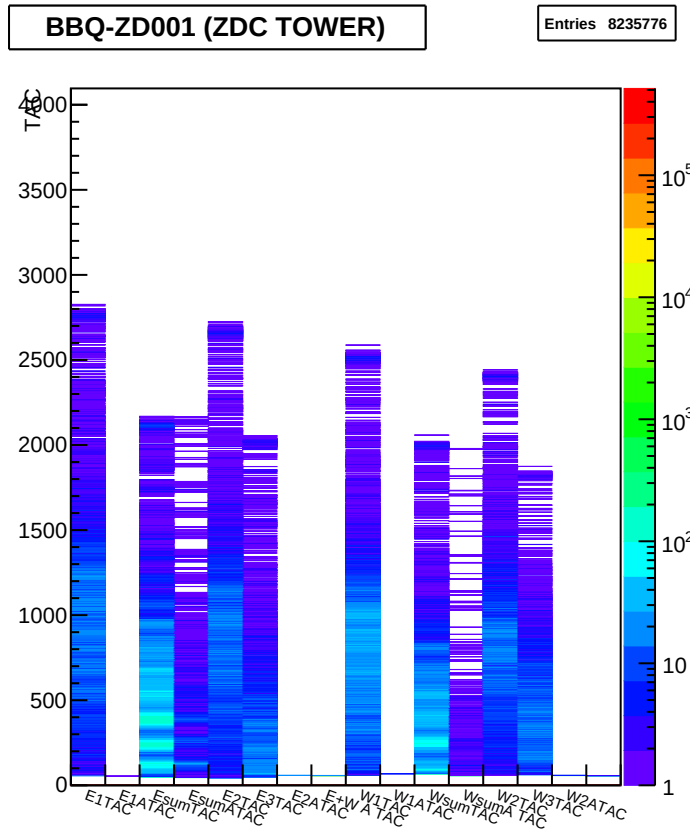

BBQ-BB001 (BBC east small tiles ADC)
Entries 8235776
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

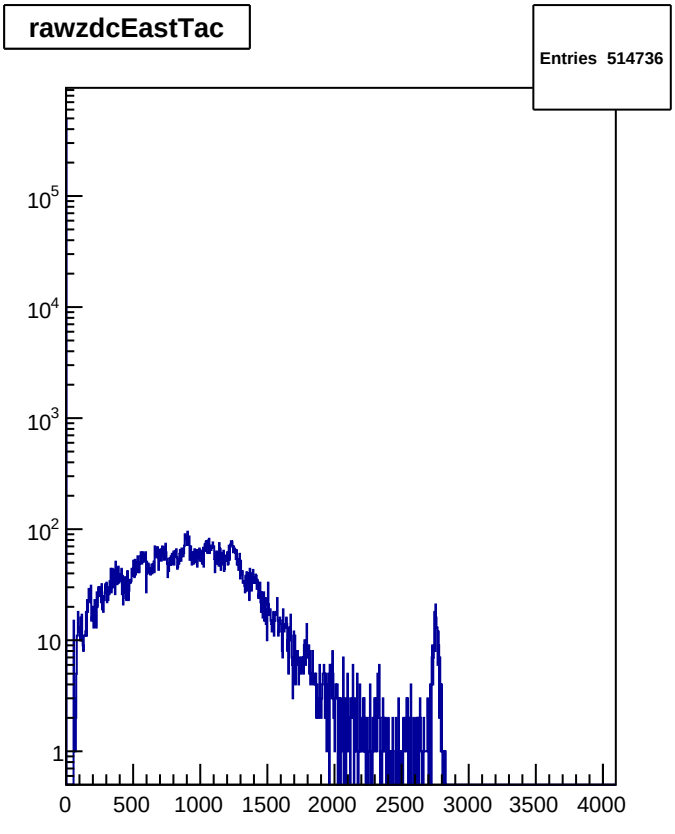

BBQ-BB001 (BBC east small tiles TAC)
Entries 8235776
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

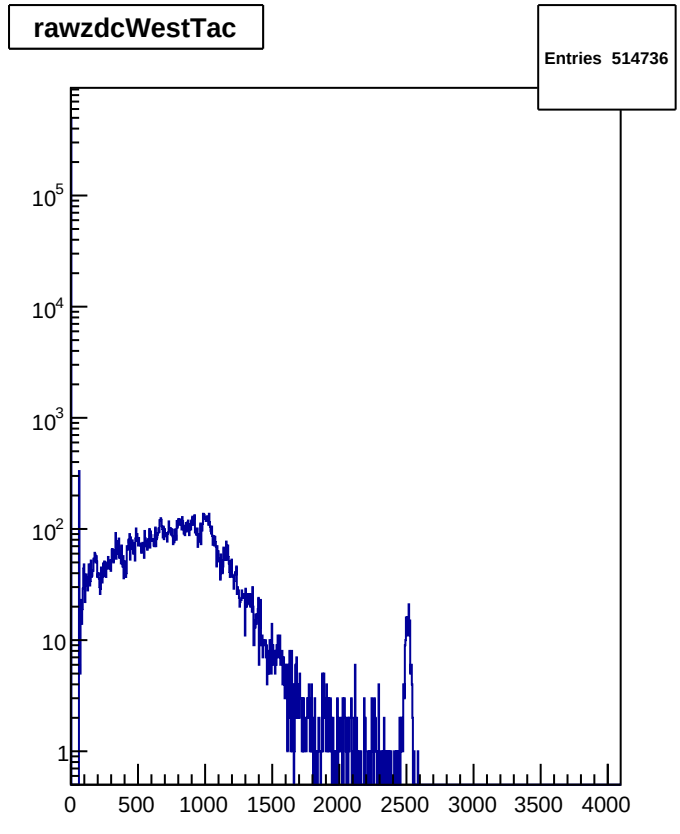

BBQ-BB002 (BBC west small tiles ADC)
Entries 8235776
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

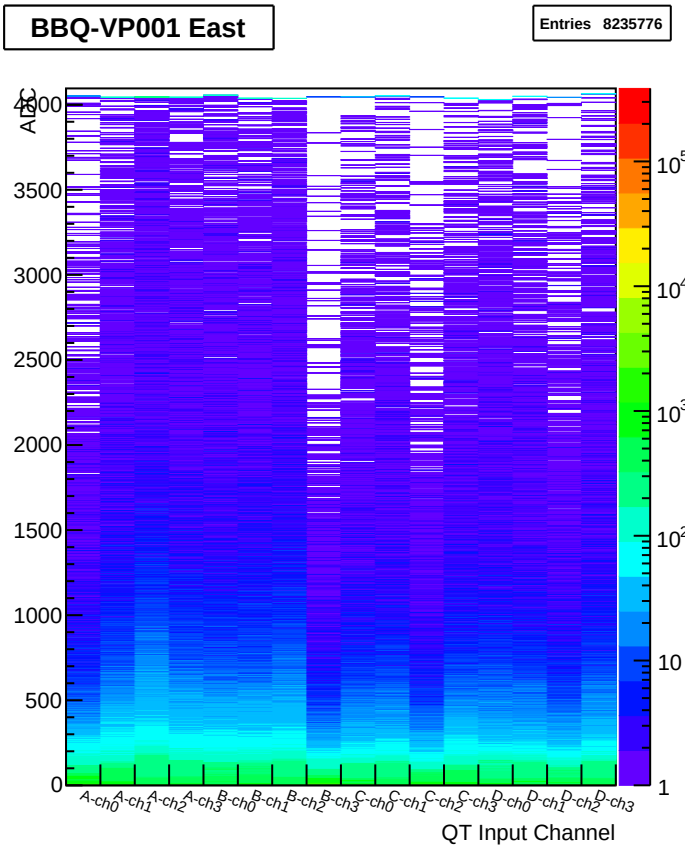

BBQ-BB002 (BBC west small tiles TAC)
Entries 8235776
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

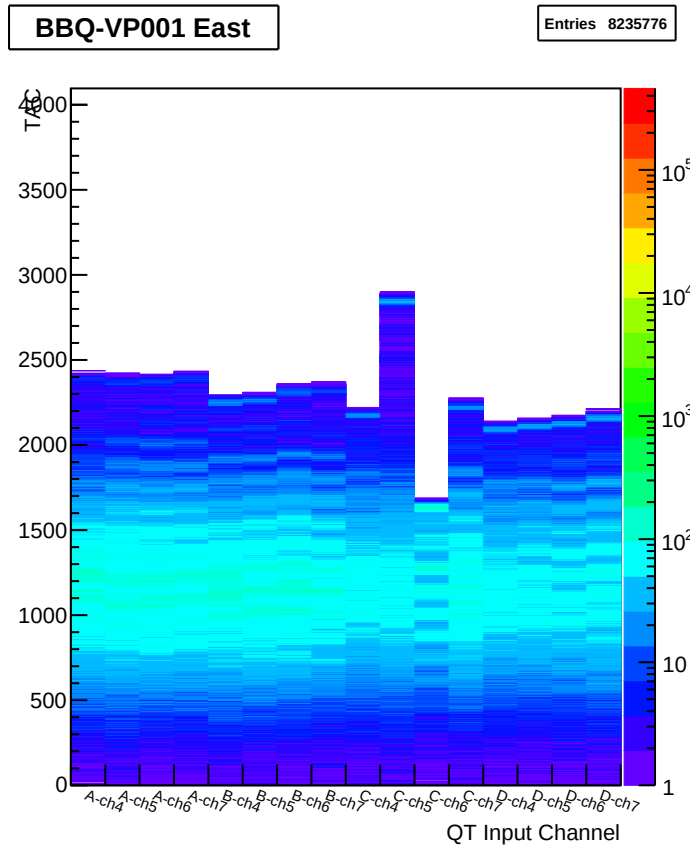

BBQ-ZD001 (ZDC TOWER)
Entries 8235776
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

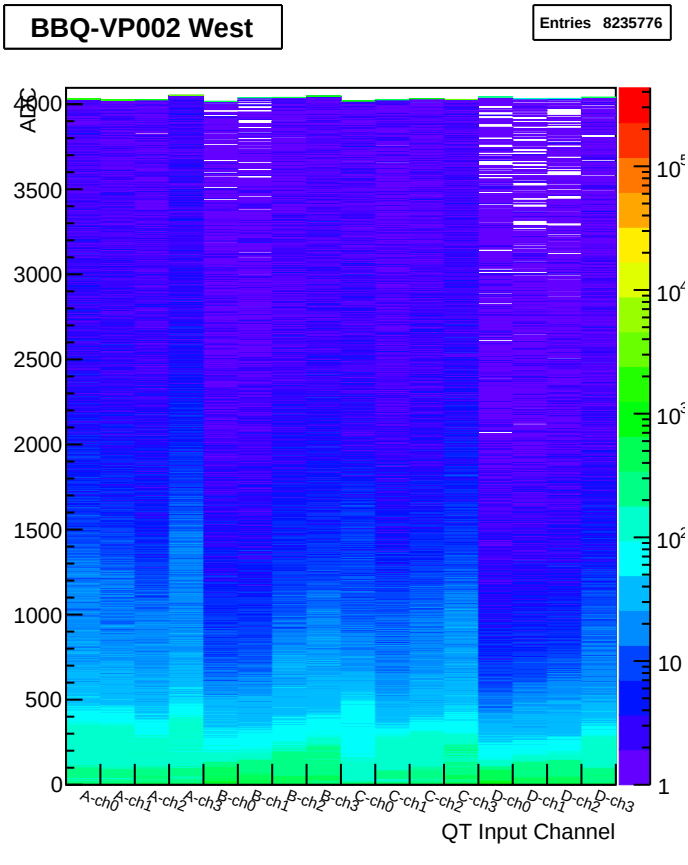

BBQ-ZD001 (ZDC TOWER)
Entries 8235776
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

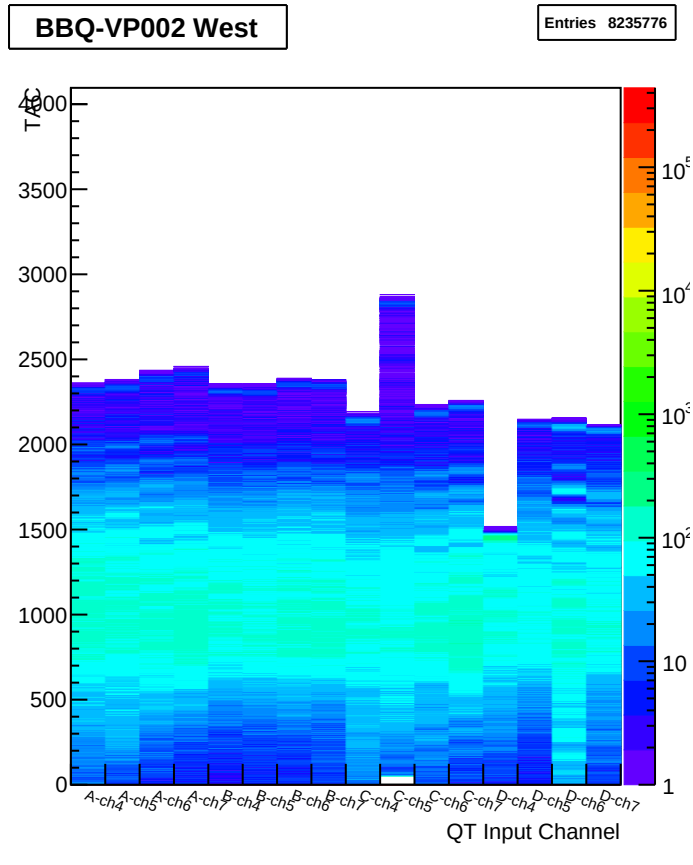

rawzdcEastTac
Entries 514736

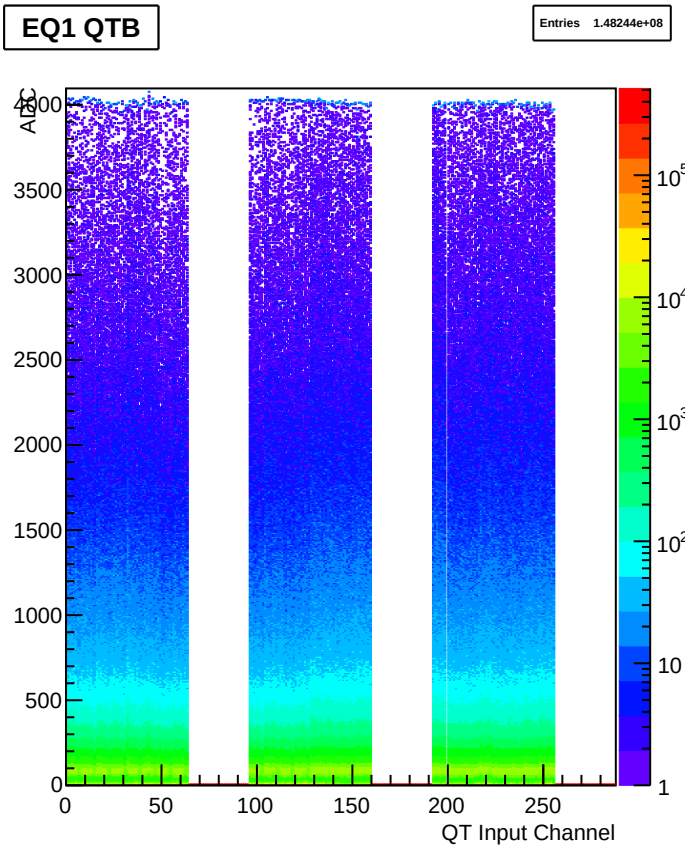

rawzdcWestTac
Entries 514736

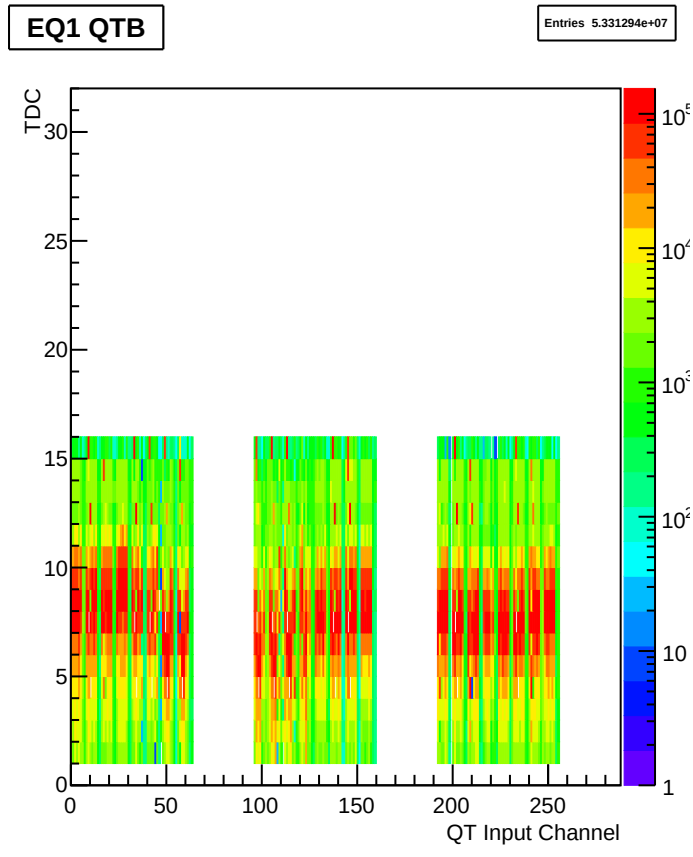

BBQ-VP001 East
Entries 8235776
ADC
QT Input Channel

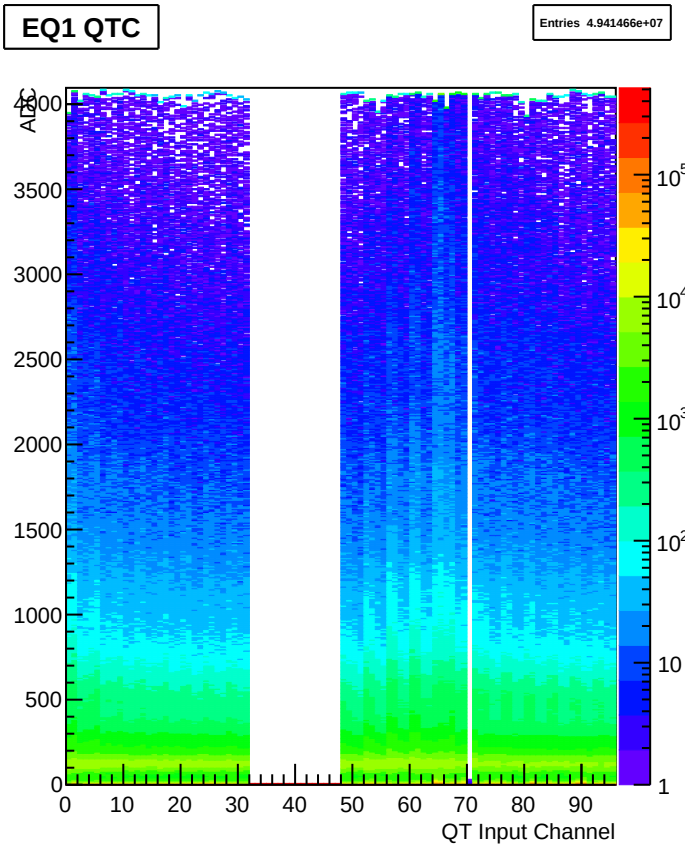

BBQ-VP001 East
Entries 8235776
ADC
QT Input Channel

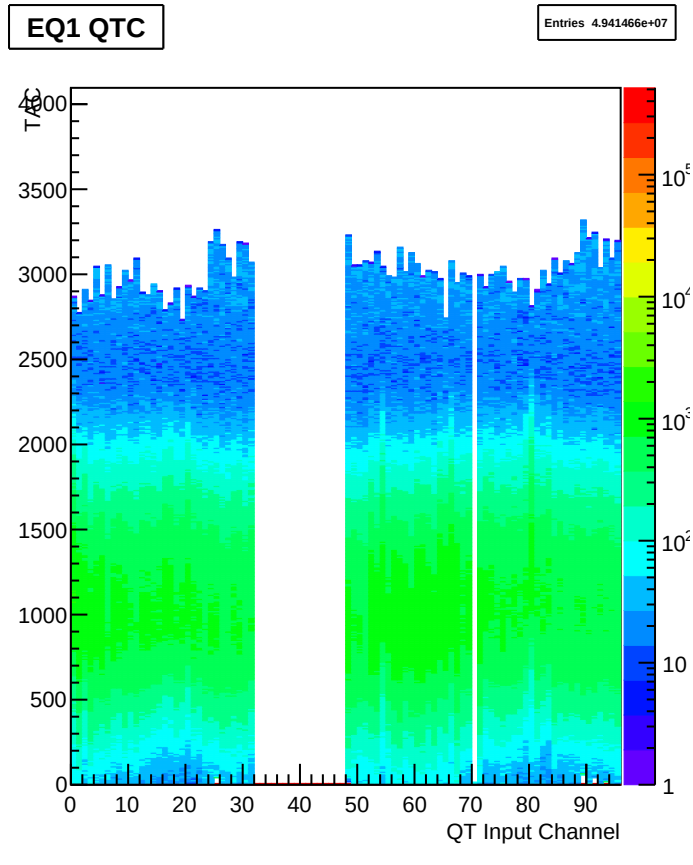

BBQ-VP002 West
Entries 8235776
ADC
QT Input Channel

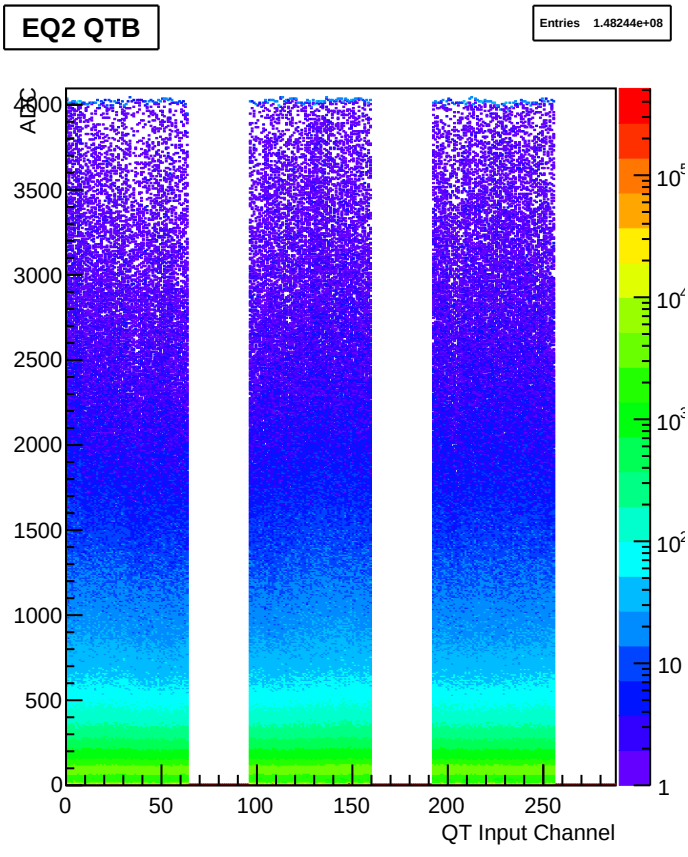

BBQ-VP002 West
Entries 8235776
ADC
QT Input Channel

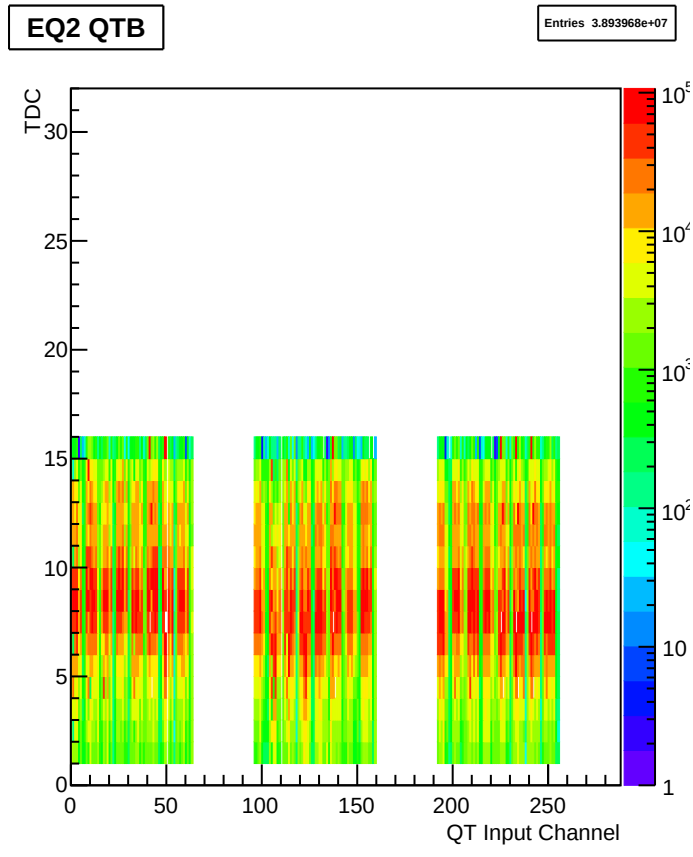

EQ1 QTB
Entries 1.48244e+08
ADC
QT Input Channel

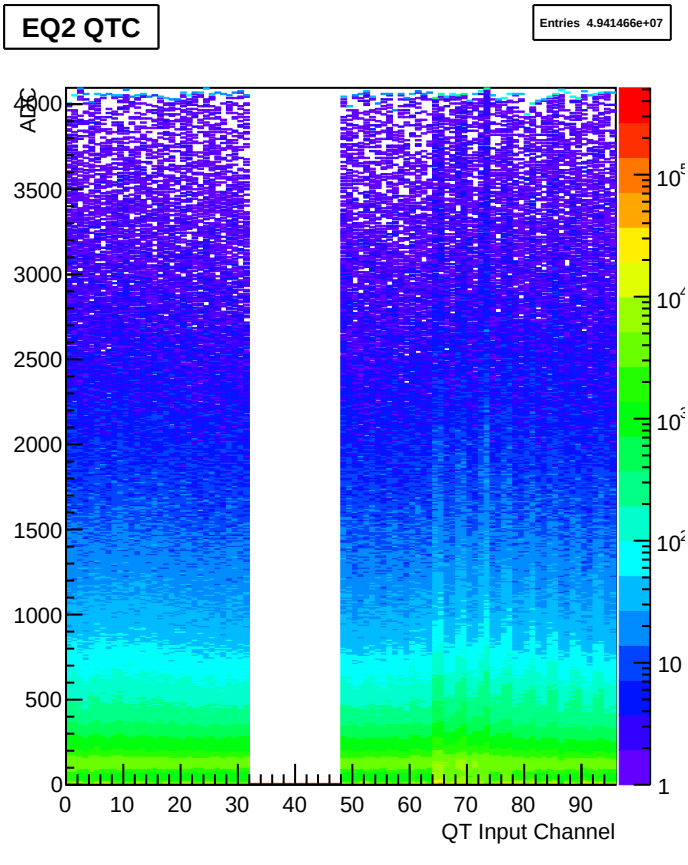

EQ1 QTB
Entries 5.331294e+07
TDC
QT Input Channel

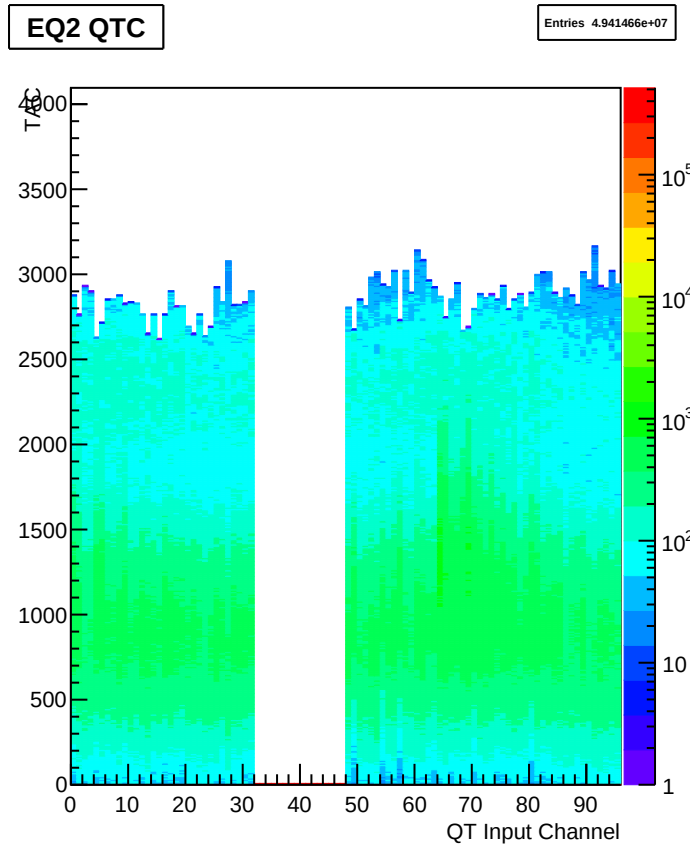

EQ1 QTC
Entries 4.941466e+07
ADC
QT Input Channel

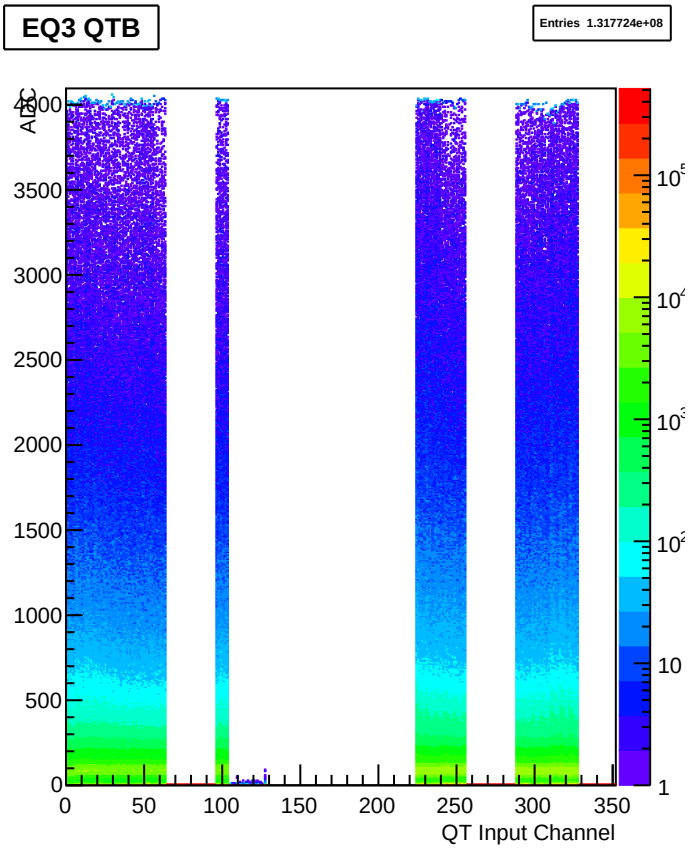

EQ1 QTC
Entries 4.941466e+07
TADC
QT Input Channel

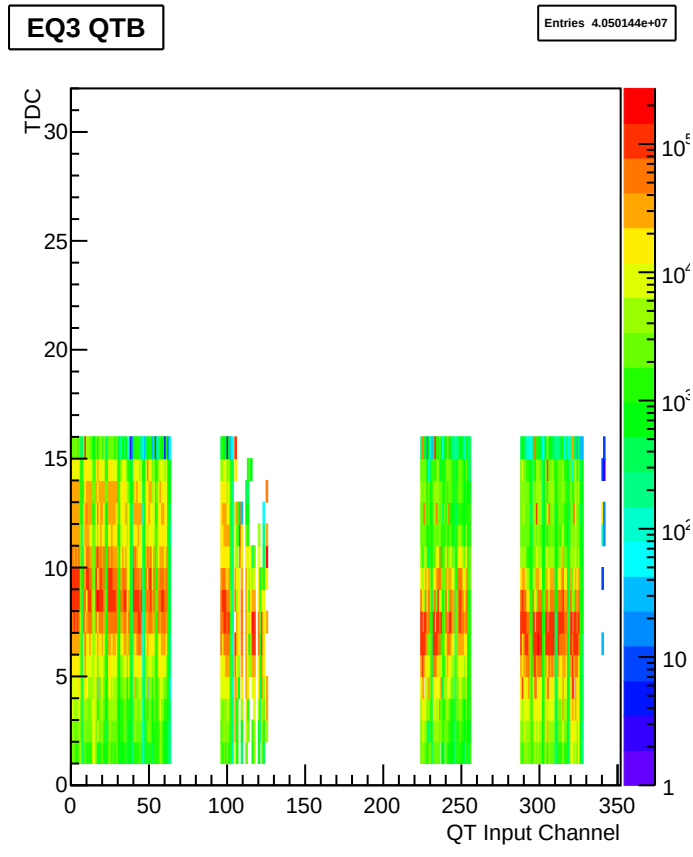

EQ2 QTB
Entries 1.48244e+08
ADC
QT Input Channel

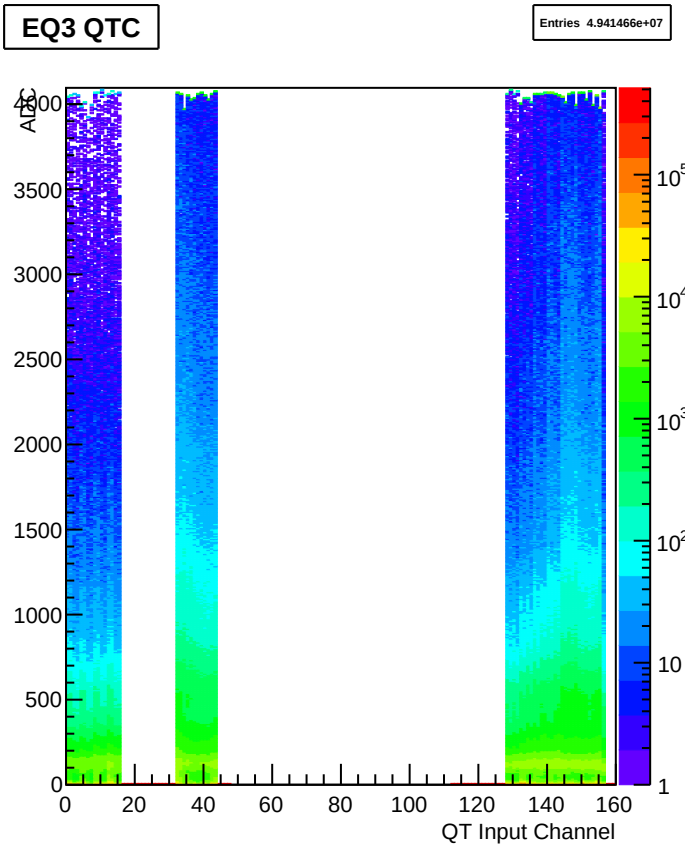

EQ2 QTB
Entries 3.893968e+07
TDC
QT Input Channel

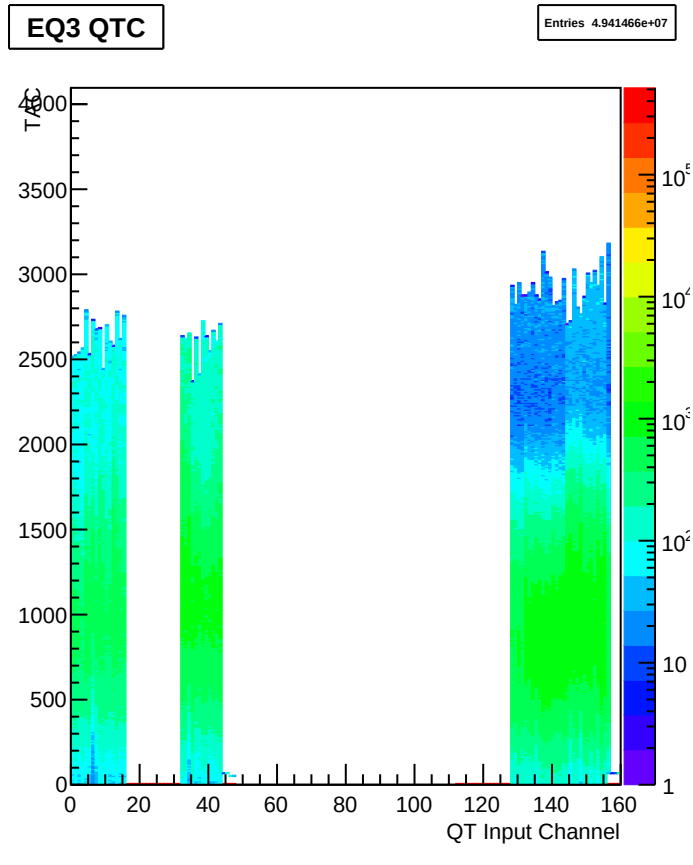

EQ2 QTC
Entries 4.941466e+07
ADC
QT Input Channel

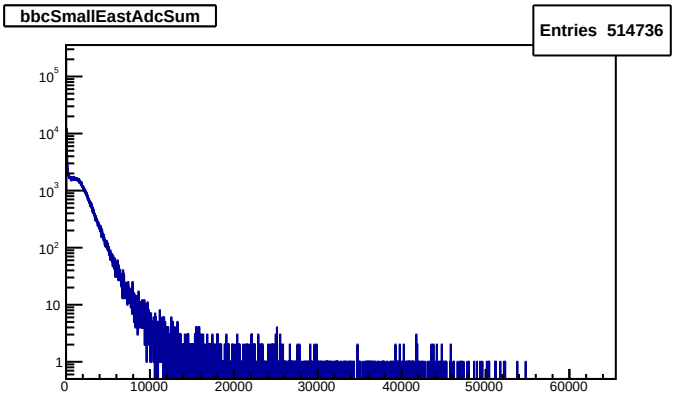

EQ2 QTC
Entries 4.941466e+07
TADC
QT Input Channel

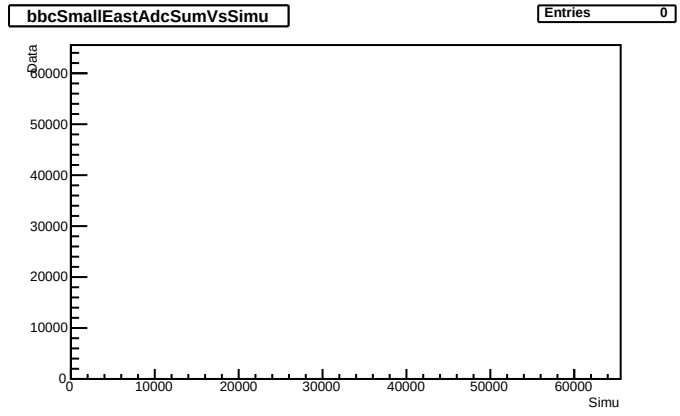

EQ3 QTB
Entries 1.317724e+08
ADC
QT Input Channel

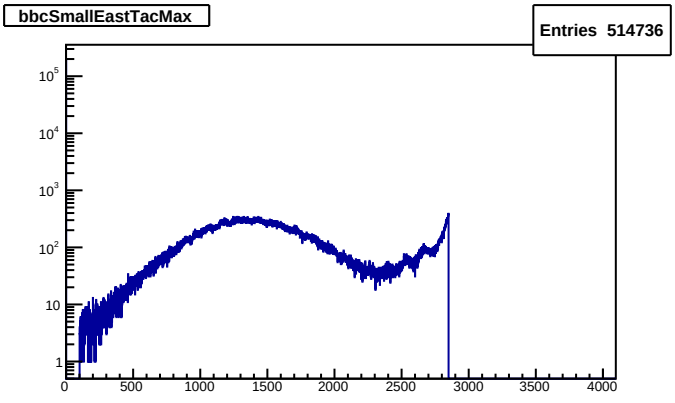

EQ3 QTB
Entries 4.050144e+07
TDC
QT Input Channel

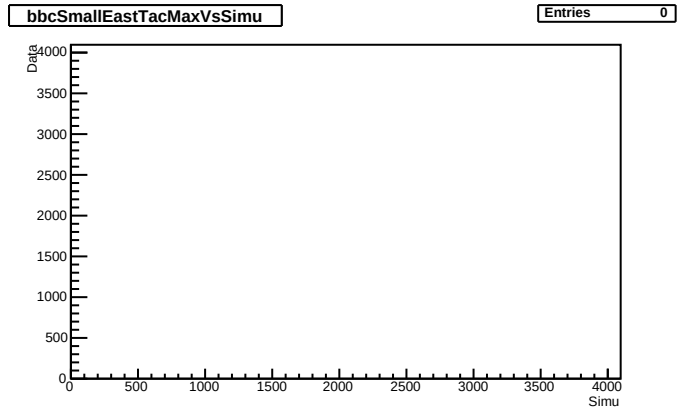

EQ3 QTC
Entries 4.941466e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.941466e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 514736


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 514736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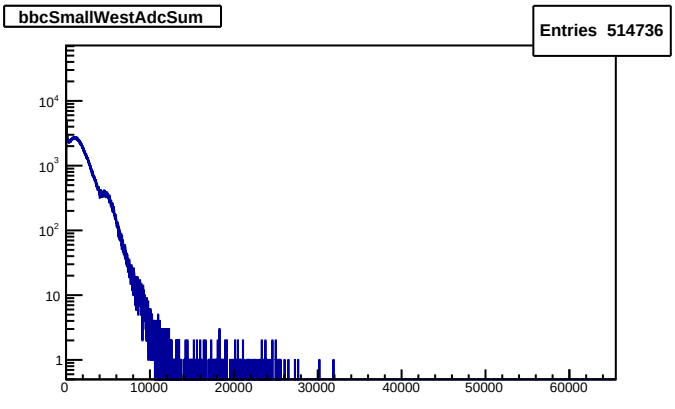
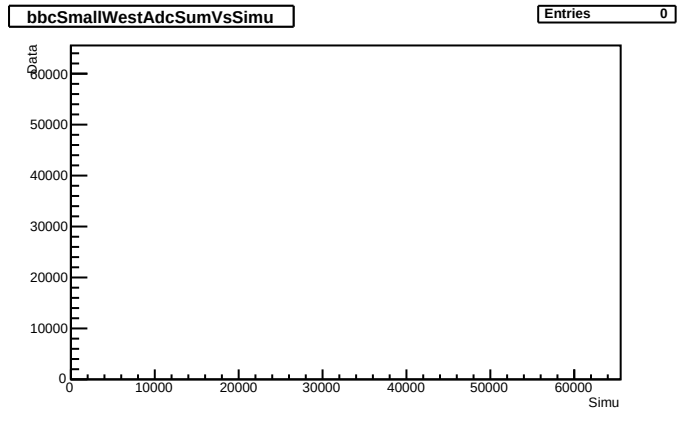

bbcSmallWestAdcSum
Entries 514736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Entries 0
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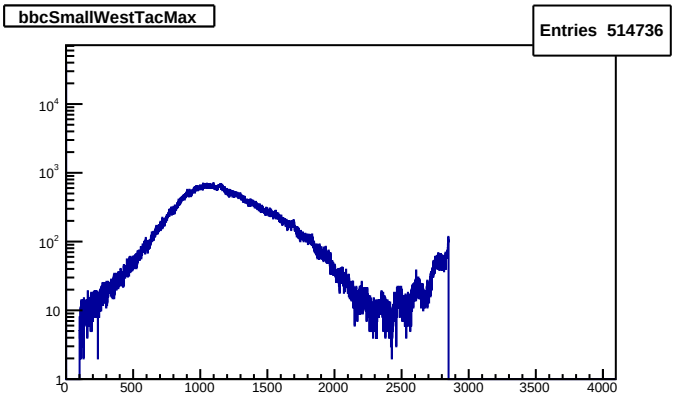
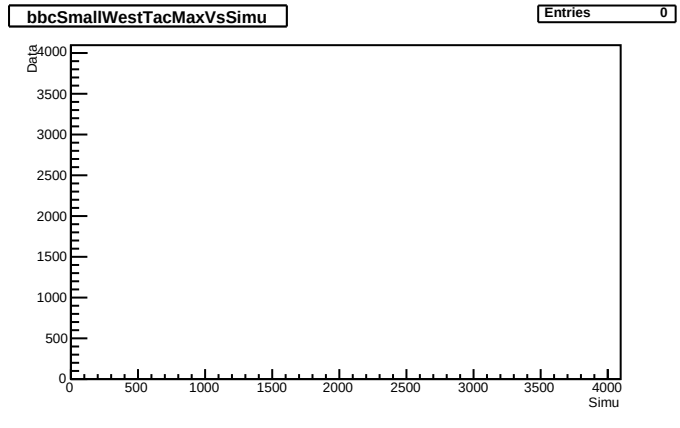
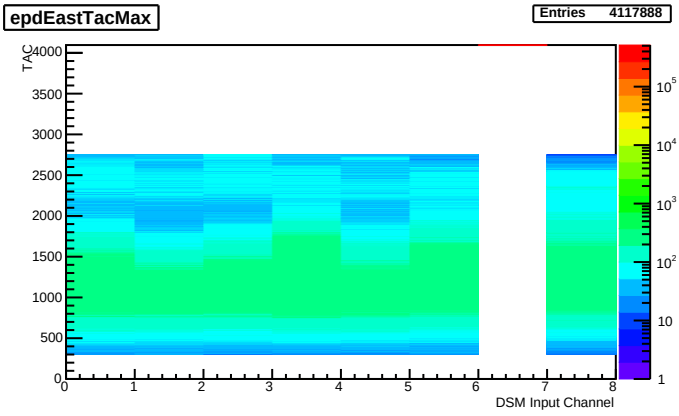
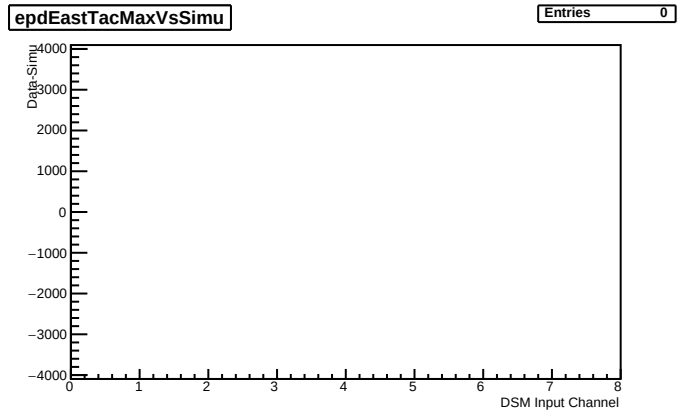
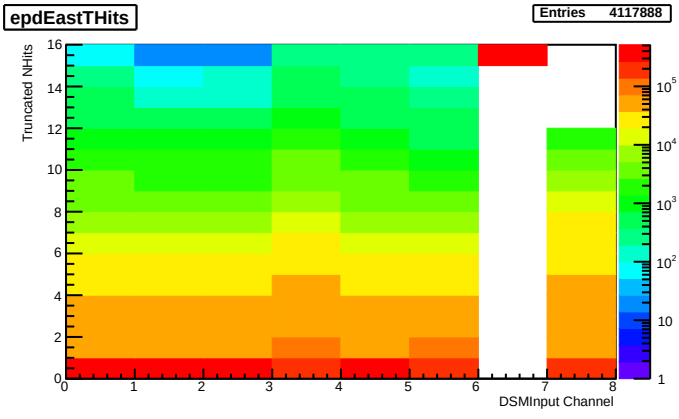
Simu

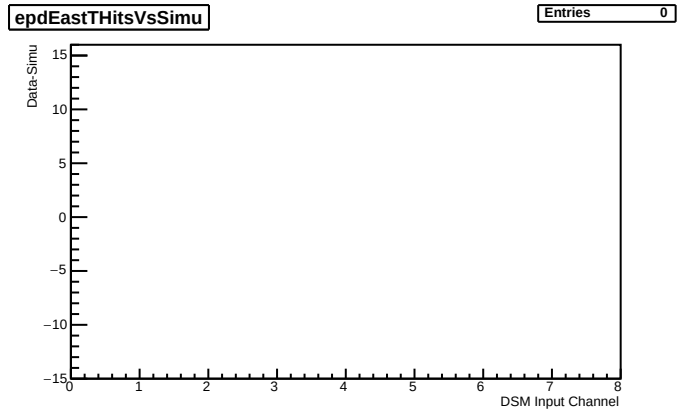

bbcSmallWestTacMax
Entries 514736


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 4117888
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4117888
Truncated NHits
DSMInput Channel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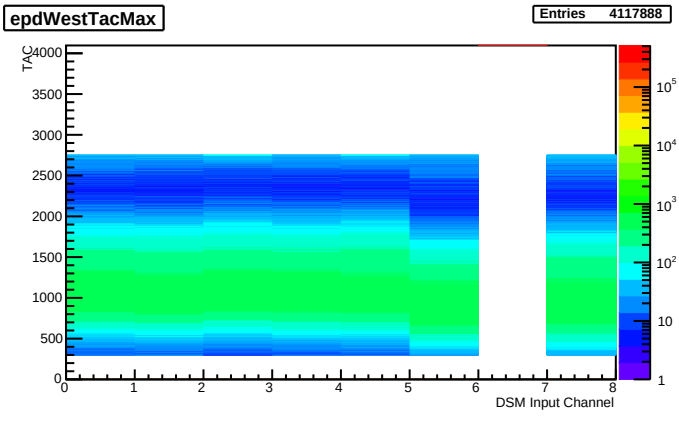
DSM Input Channel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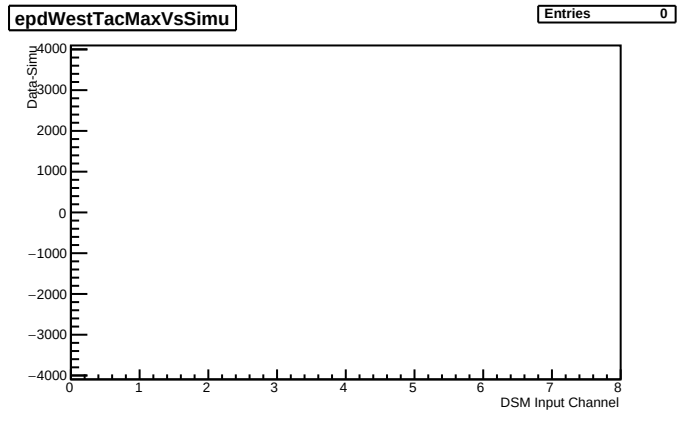
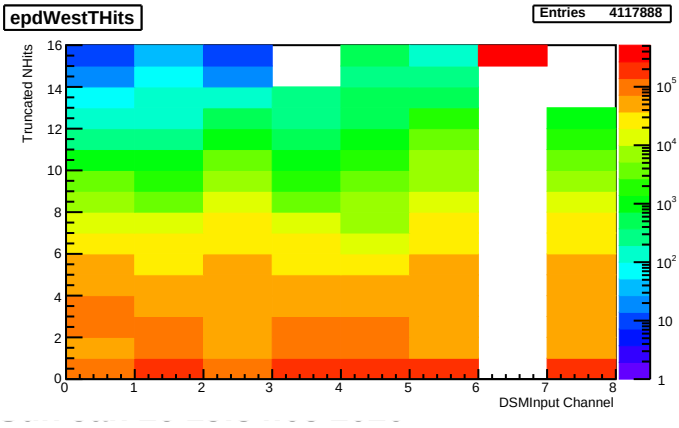
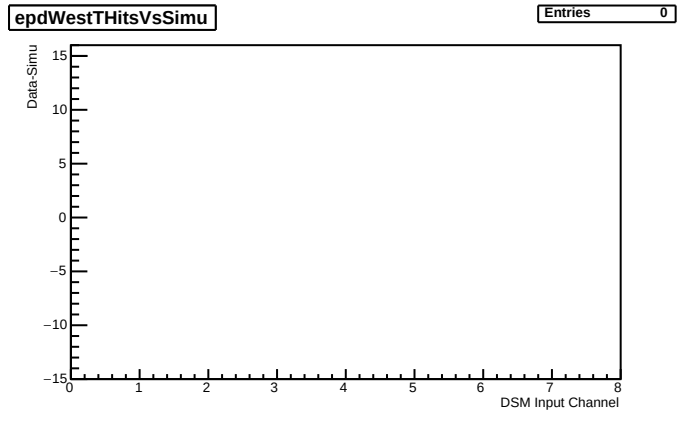
Entries 4117888
TAC
DSM Input Channel


epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 4117888
Truncated NHits
DSMInput Channel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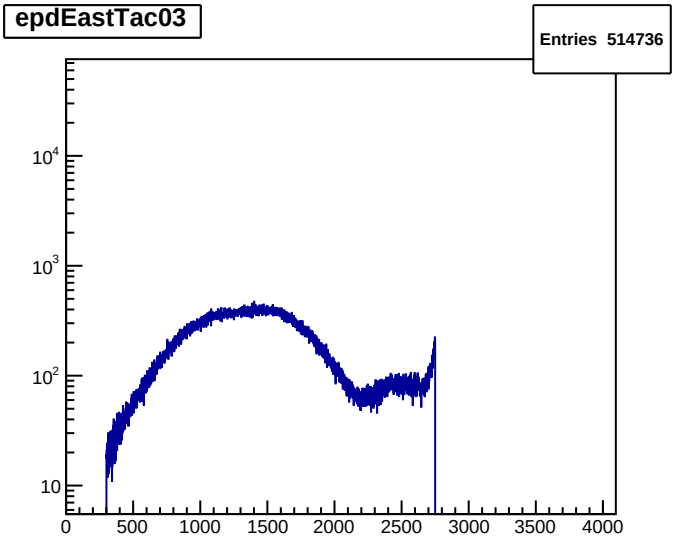
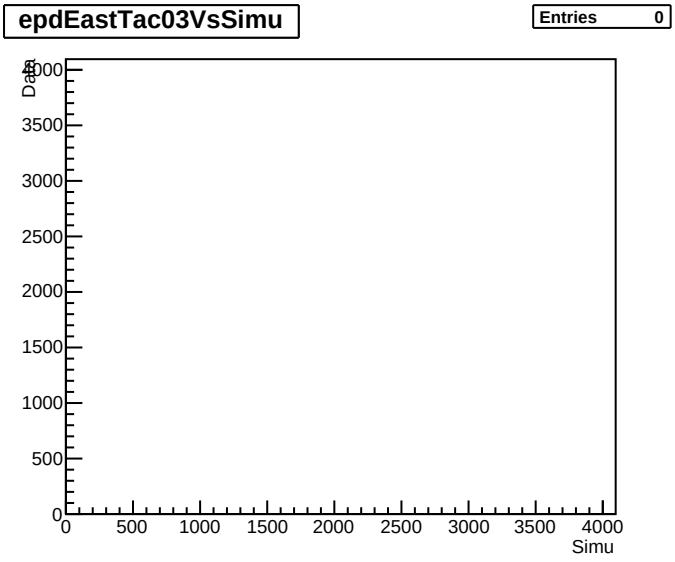
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 514736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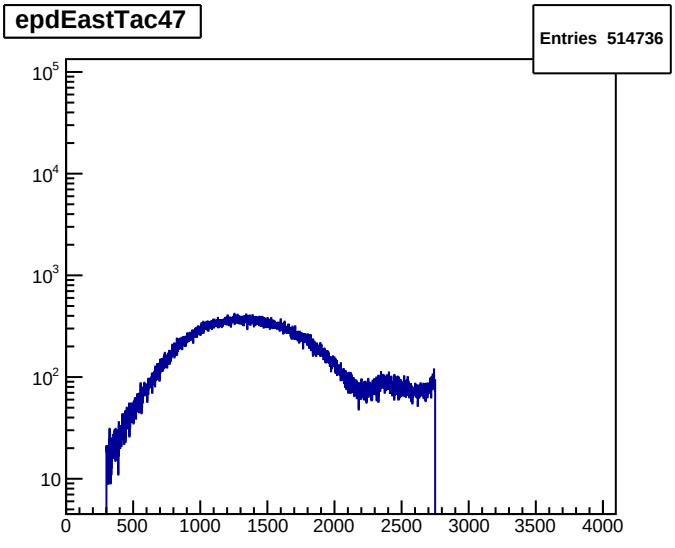
Entries 0
Data
Simu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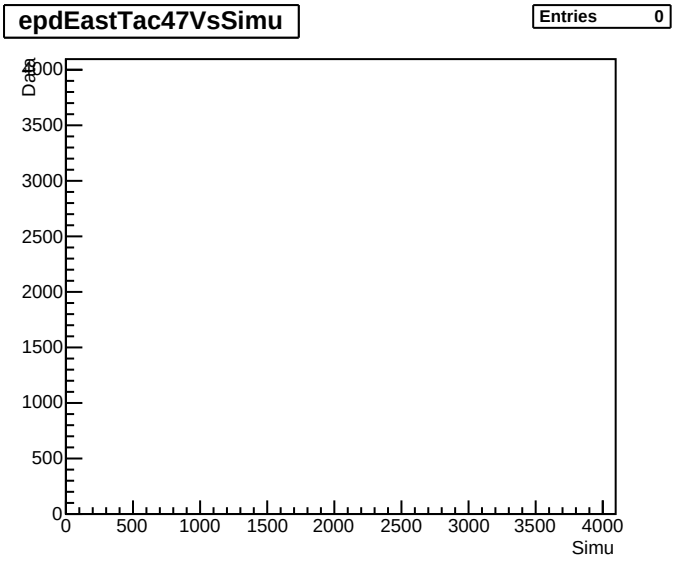
Entries 514736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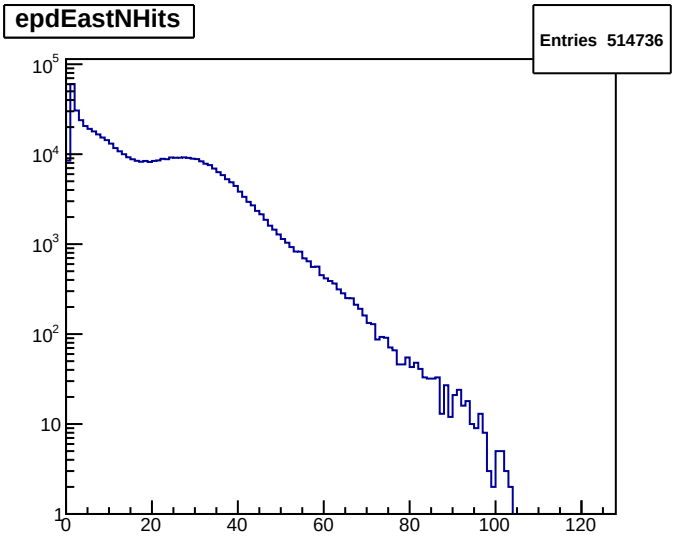
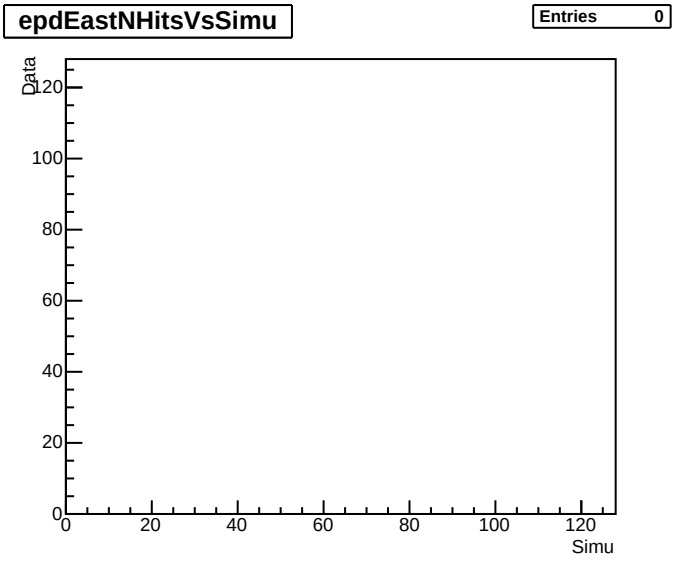
Entries 0
Data
Simu


epdEastNHits
Entries 514736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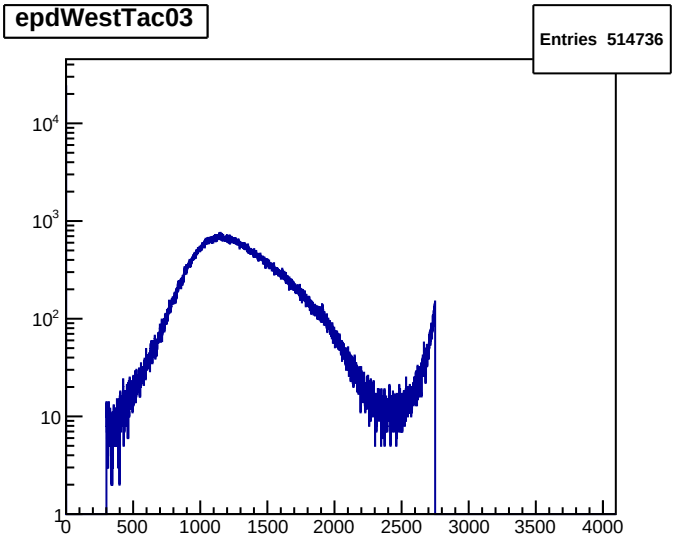
Entries 0
Data
Simu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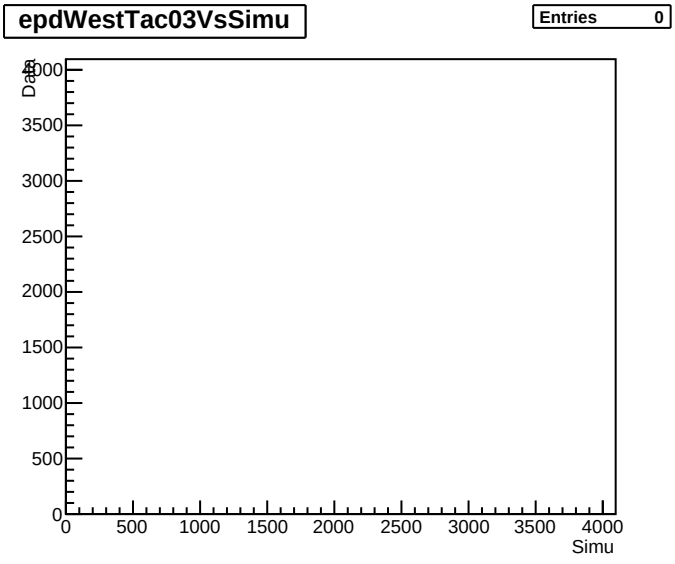
Entries 514736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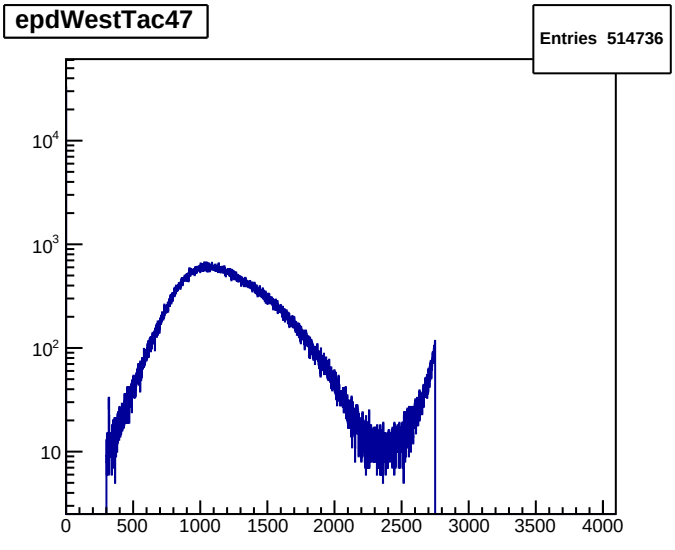
Entries 0
Data
Simu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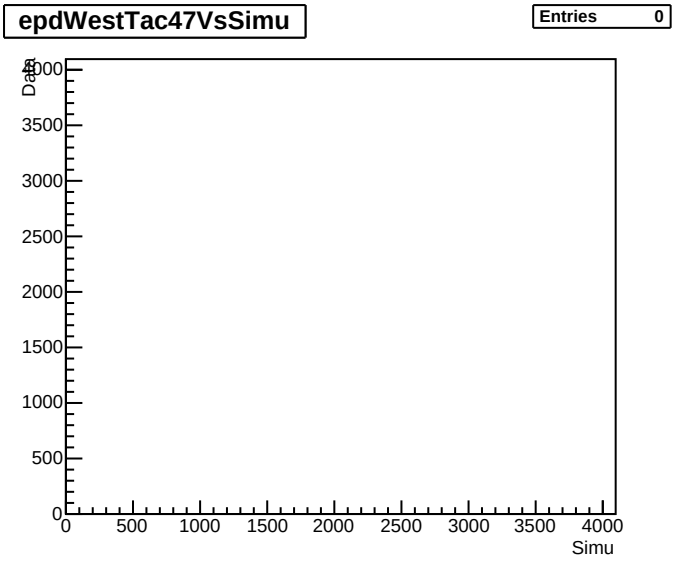
Entries 514736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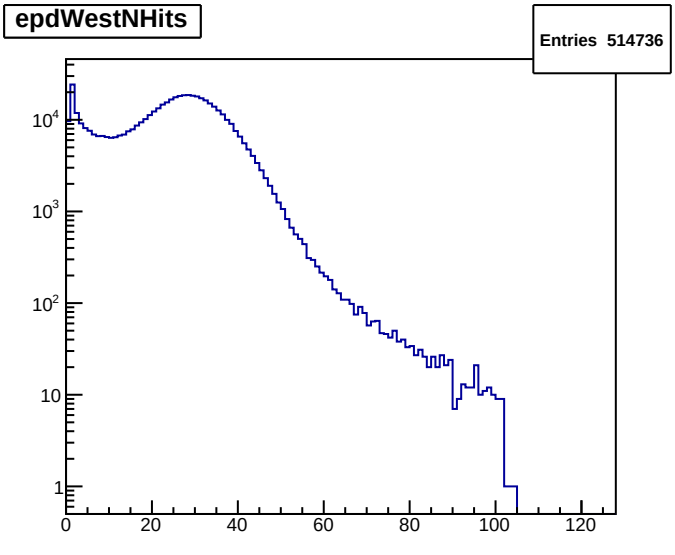
Entries 0
Data
Simu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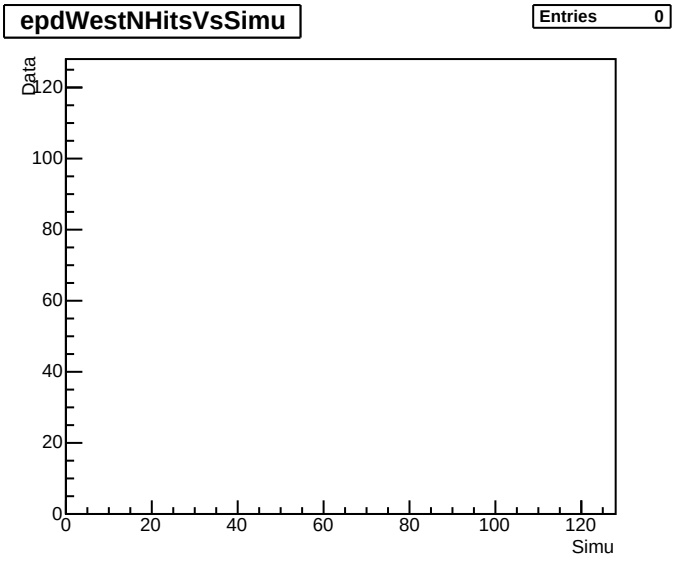
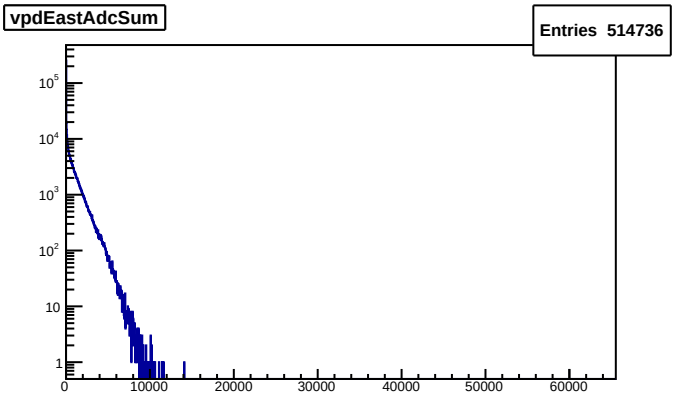
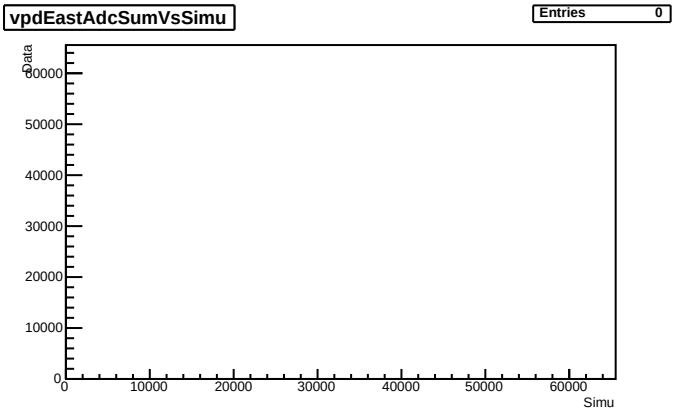
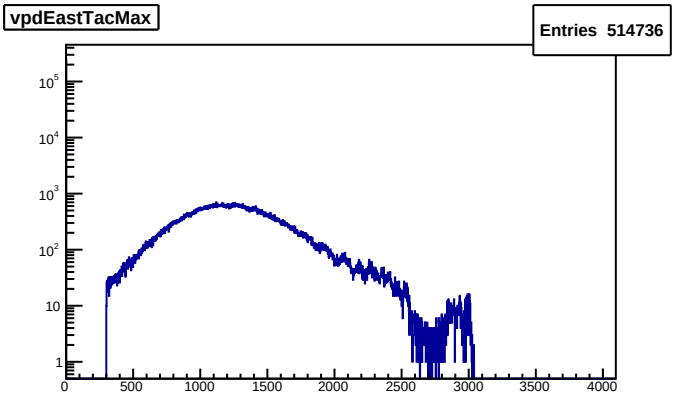
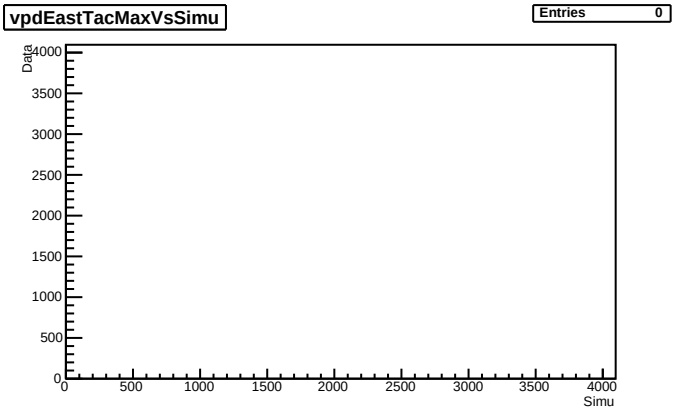
Entries 514736

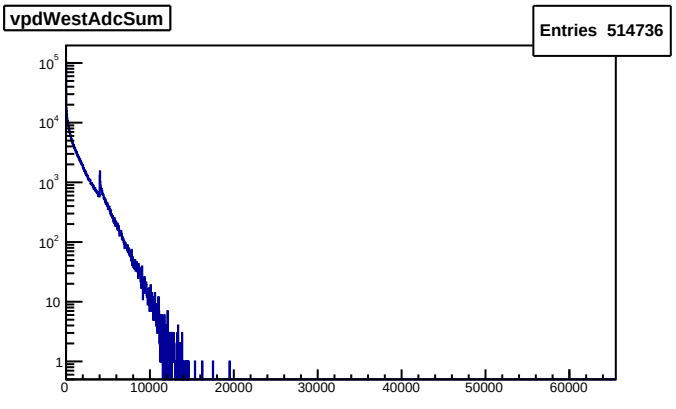

epdWestNHitsVsSimu
Entries 0
Data
Simu

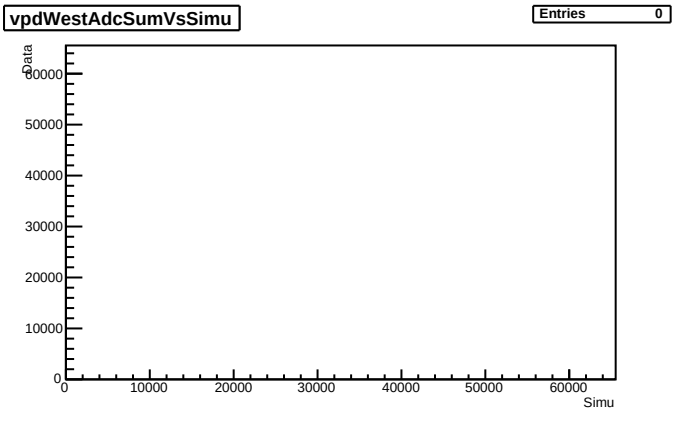

vpdEastAdcSum
Entries 514736


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 514736


vpdEastTacMaxVsSimu
Entries 0
Data
Simu


vpdWestAdcSum
Entries 514736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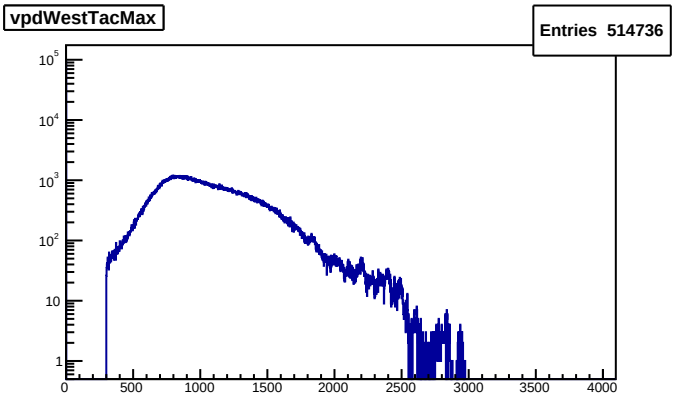
Entries 0
Data
Simu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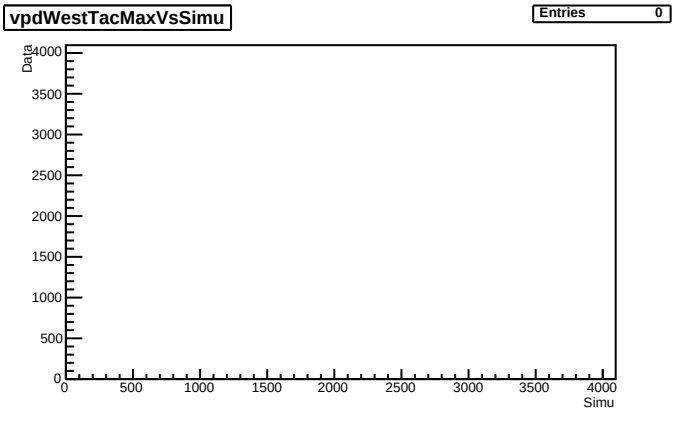
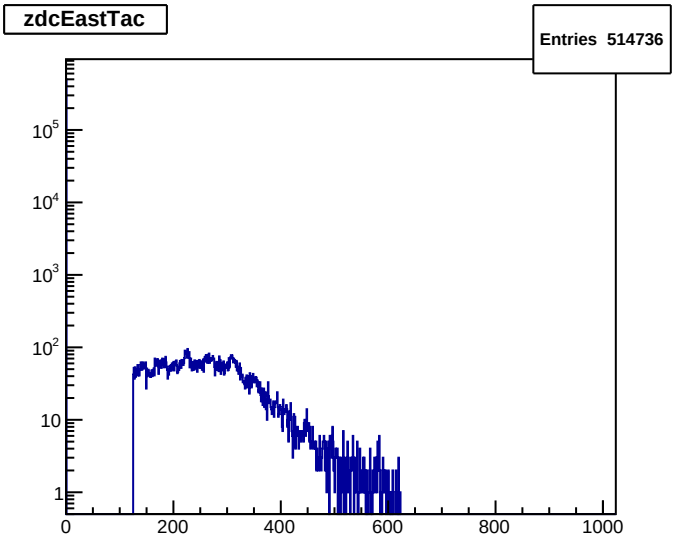
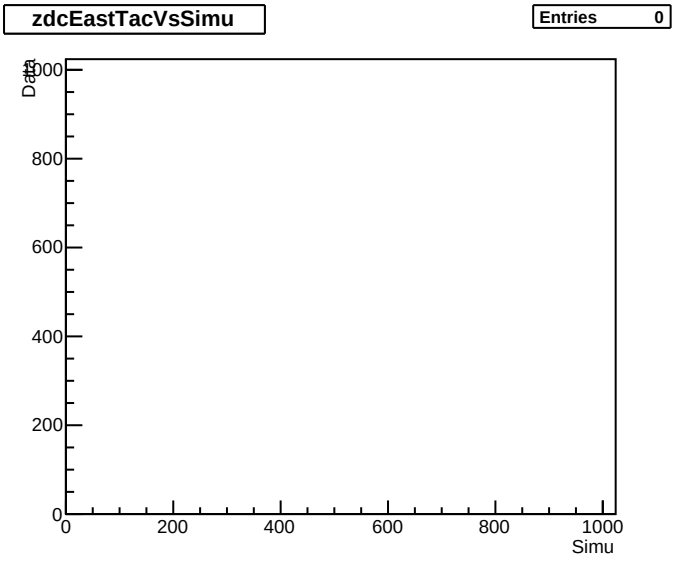
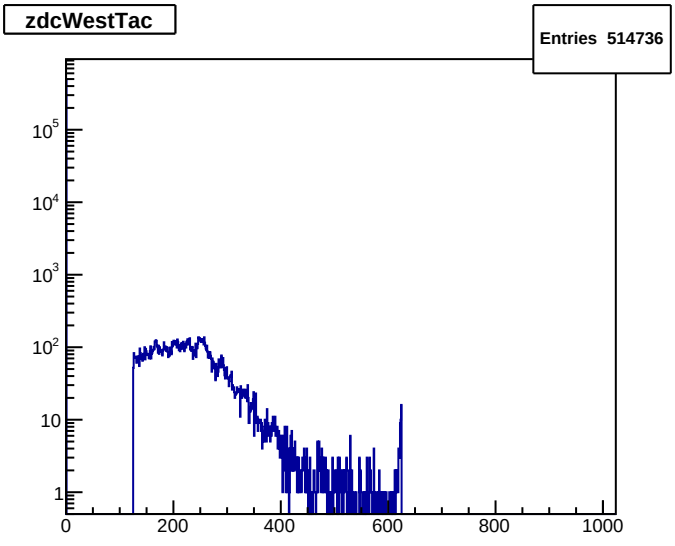
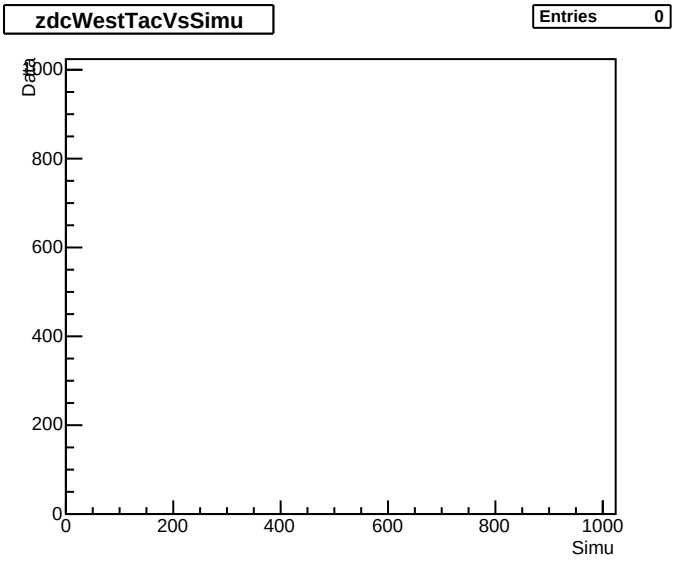
Entries 514736

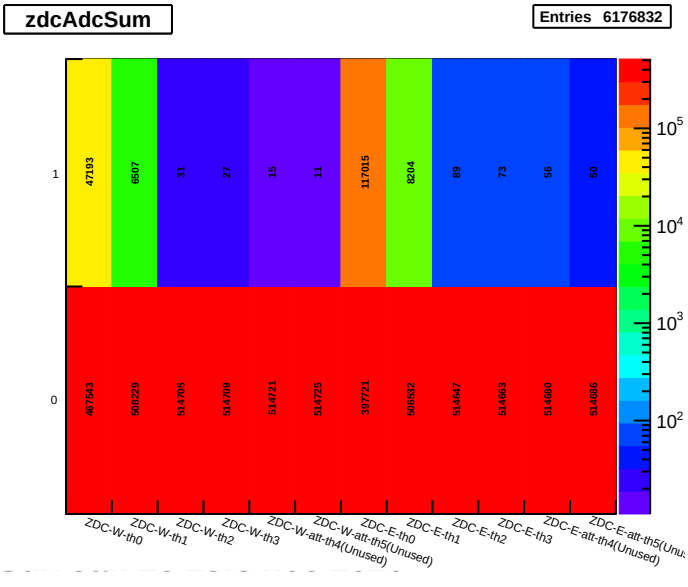

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

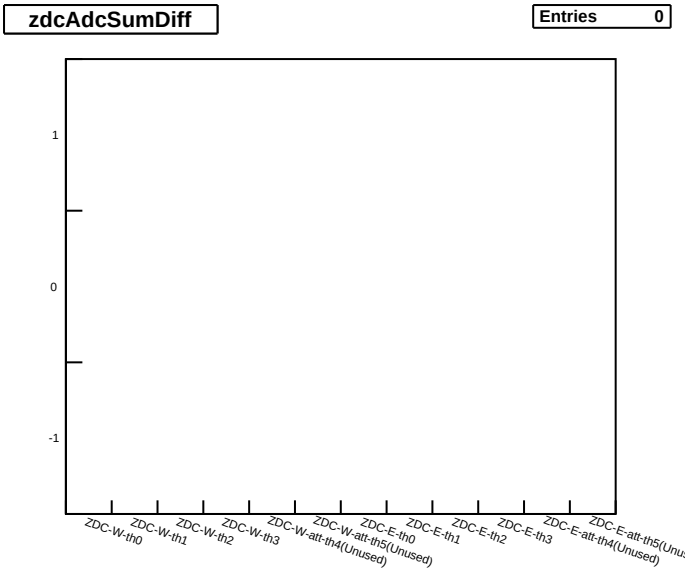

zdcEastTac
Entries 514736
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

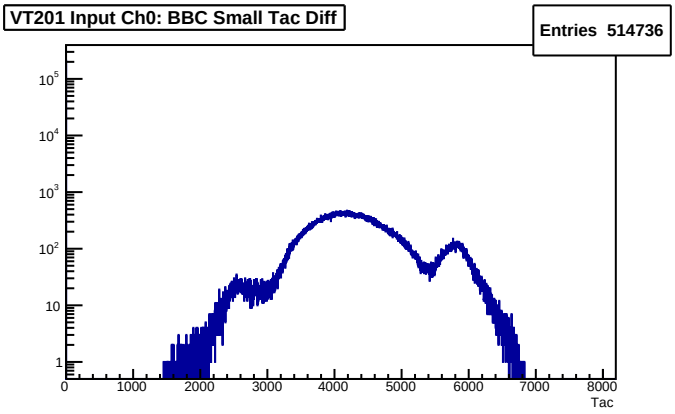

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

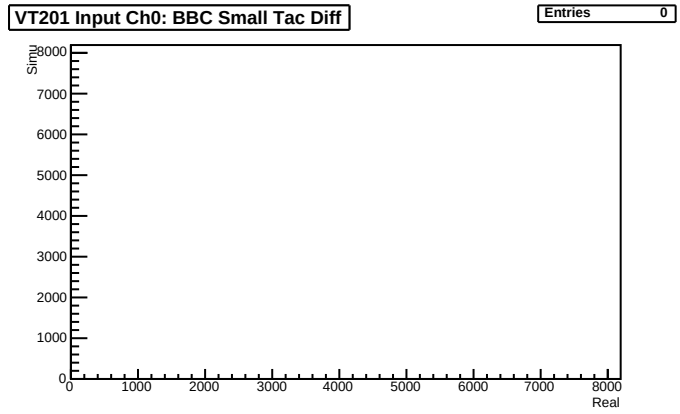

zdcWestTac
Entries 514736
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

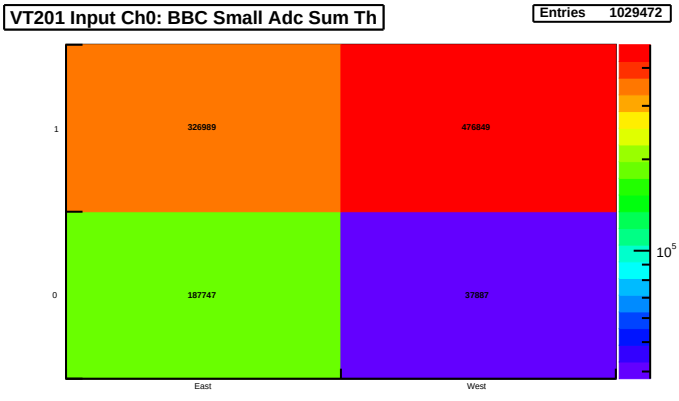

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

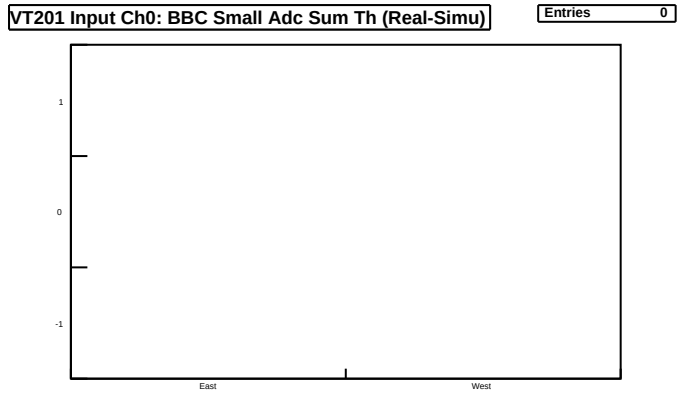

zdcAdcSum
Entries 6176832
1
0
47193
6507
31
27
15
11
117015
8204
89
73
56
50
467543
508229
514705
514709
514721
514725
397721
506532
514647
514653
514680
514686
10^5
10^4
10^3
10^2
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

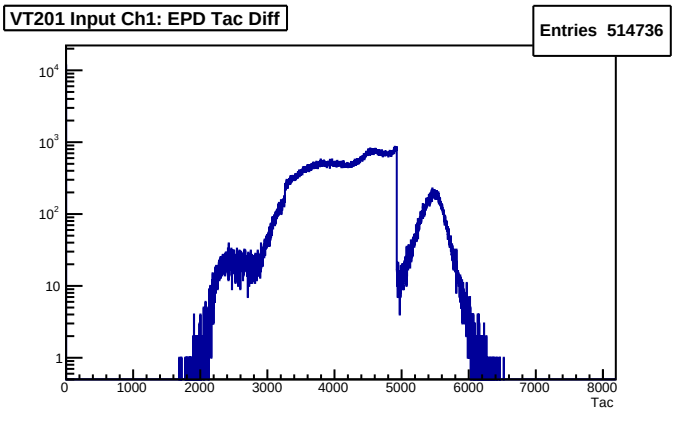

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

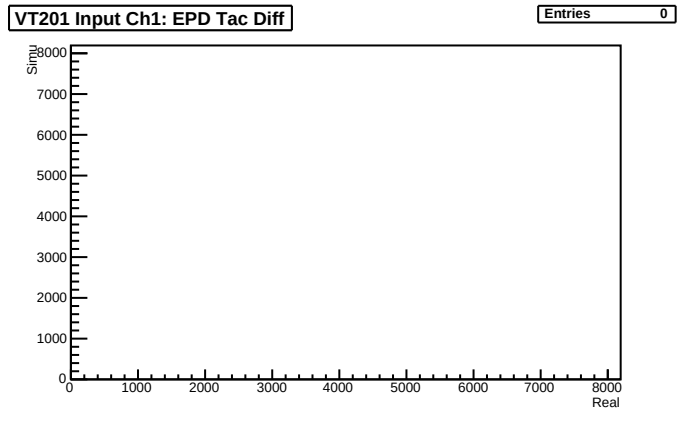

VT201 Input Ch0: BBC Small Tac Diff
Entries 514736
Tac

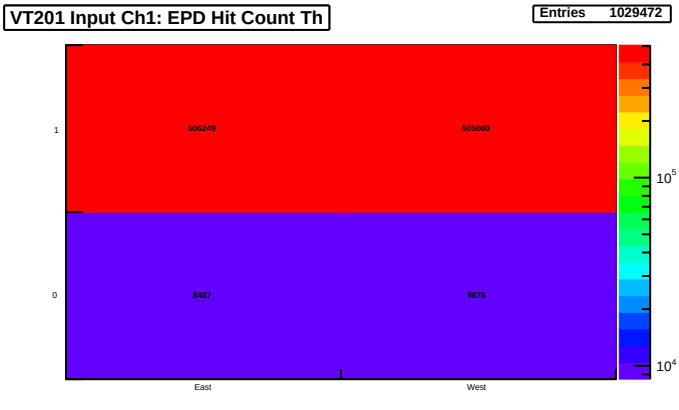

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

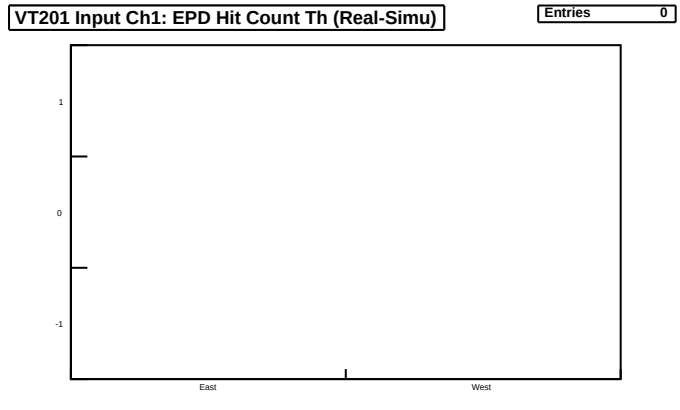

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1029472
326989
476849
187747
37887
East
West

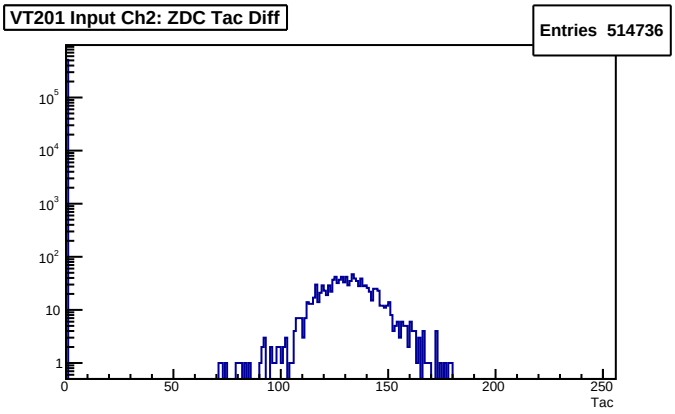

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

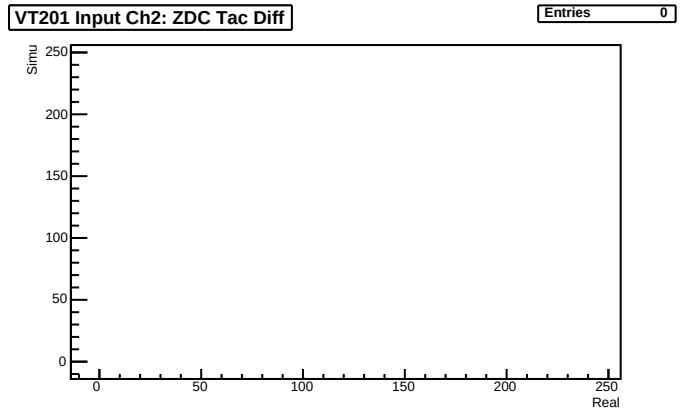

VT201 Input Ch1: EPD Tac Diff
Entries 514736
Tac

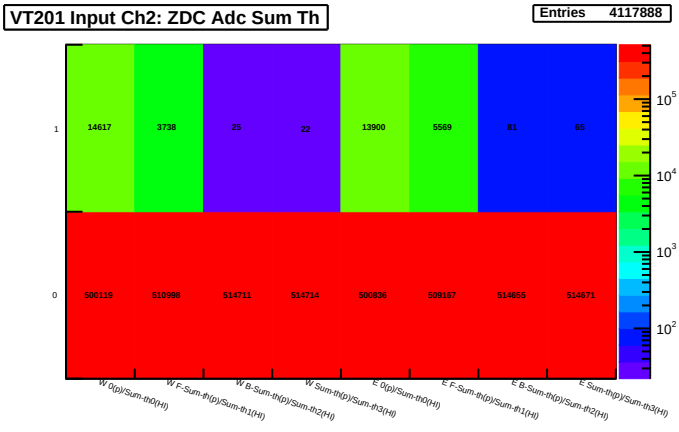

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

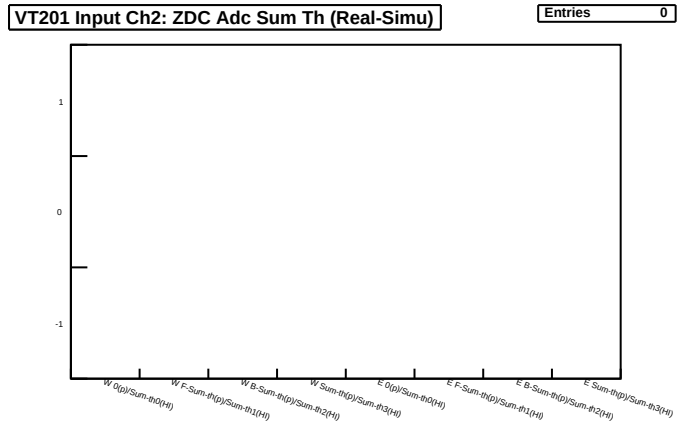

VT201 Input Ch1: EPD Hit Count Th
Entries 1029472
506249
505060
8487
9676
East
West

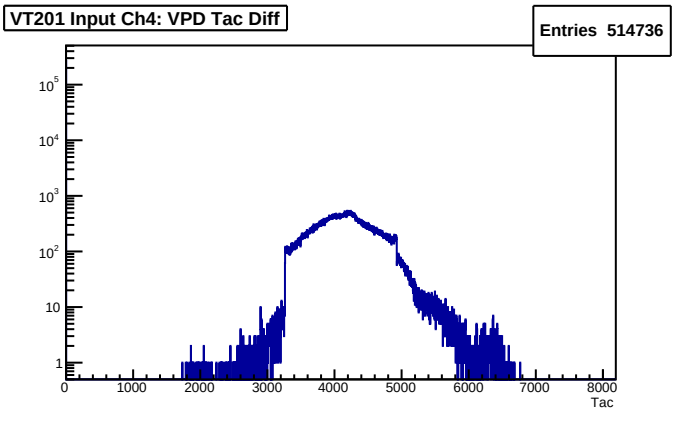

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

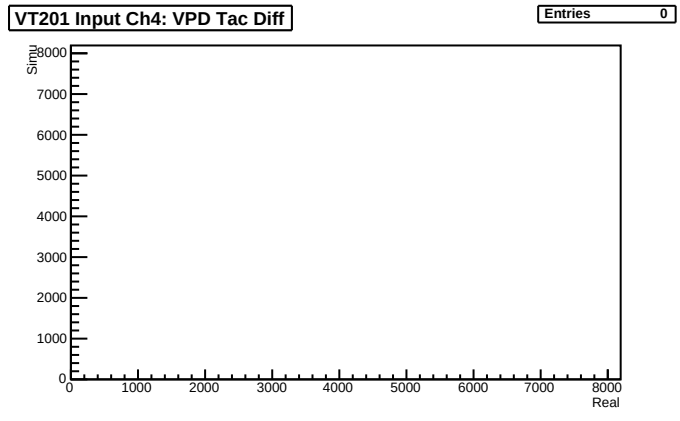

VT201 Input Ch2: ZDC Tac Diff
Entries 514736
Tac

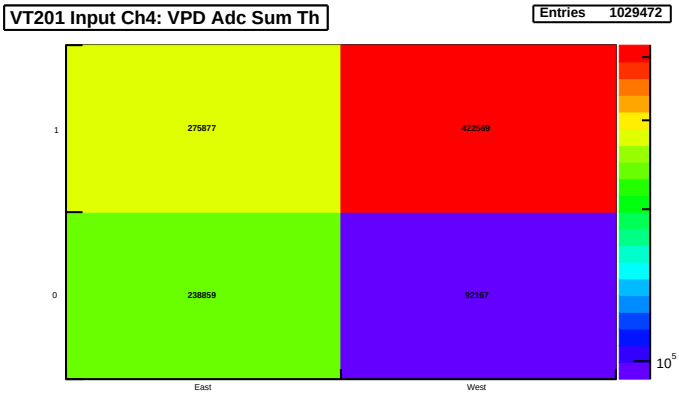

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

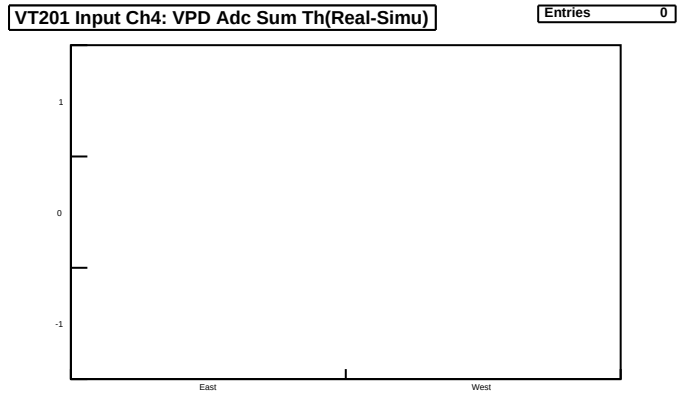

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4117888
14617
3738
25
22
13900
5569
81
65
500119
510998
514711
514714
500836
509167
514655
514671
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

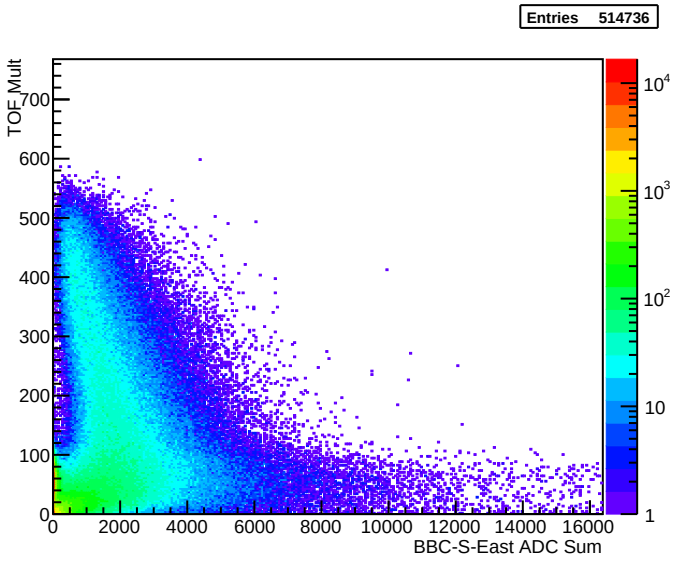

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

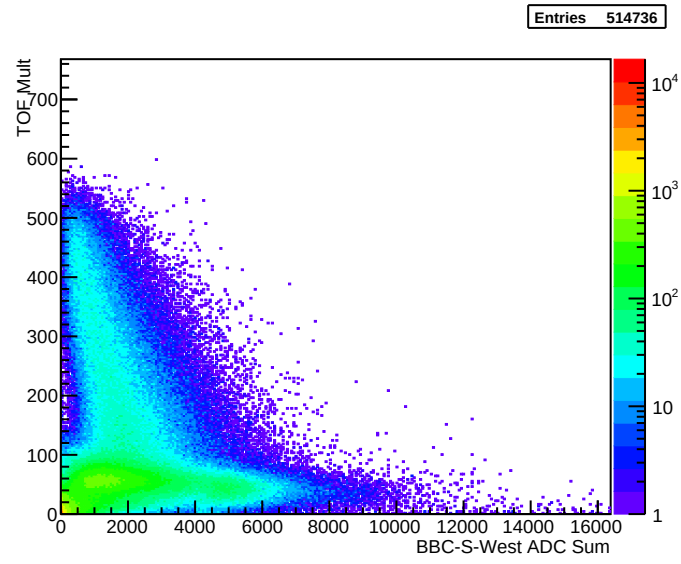

VT201 Input Ch4: VPD Tac Diff
Entries 514736
Tac

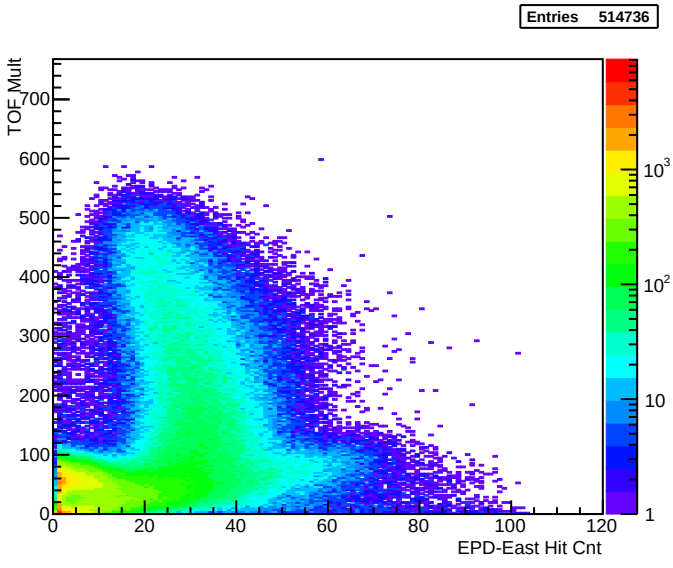

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

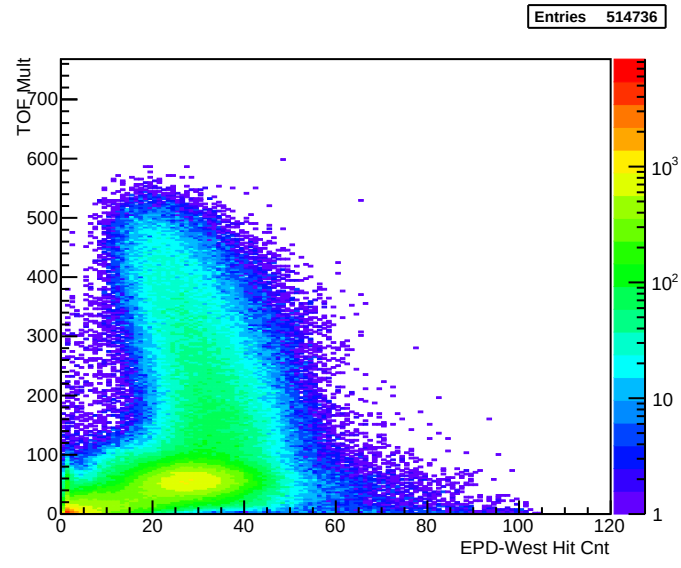

VT201 Input Ch4: VPD Adc Sum Th
Entries 1029472
275877
422569
238859
92167
East
West

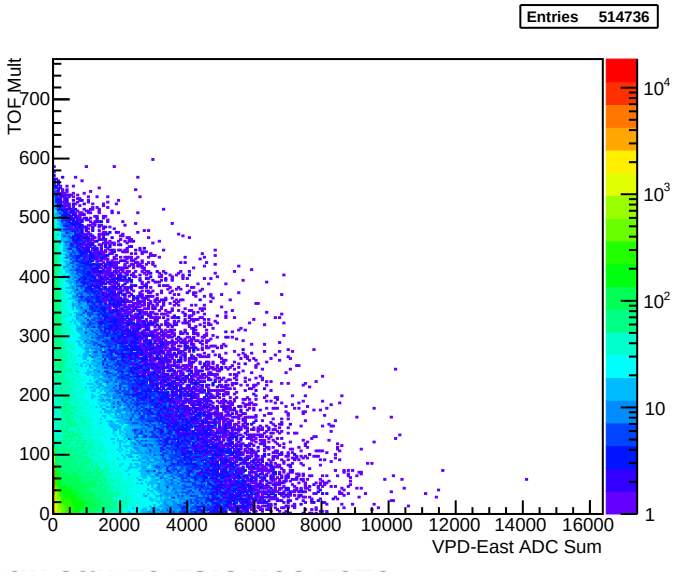

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

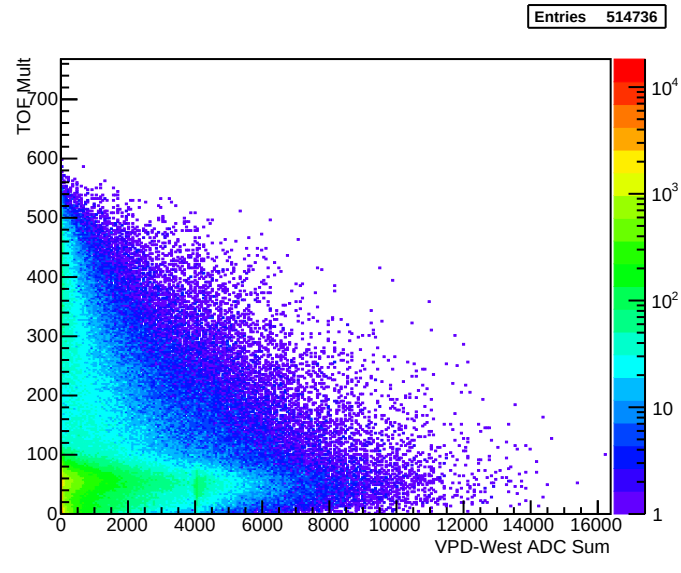

Entries 514736
TOF_Mult
BBC-S-East ADC Sum

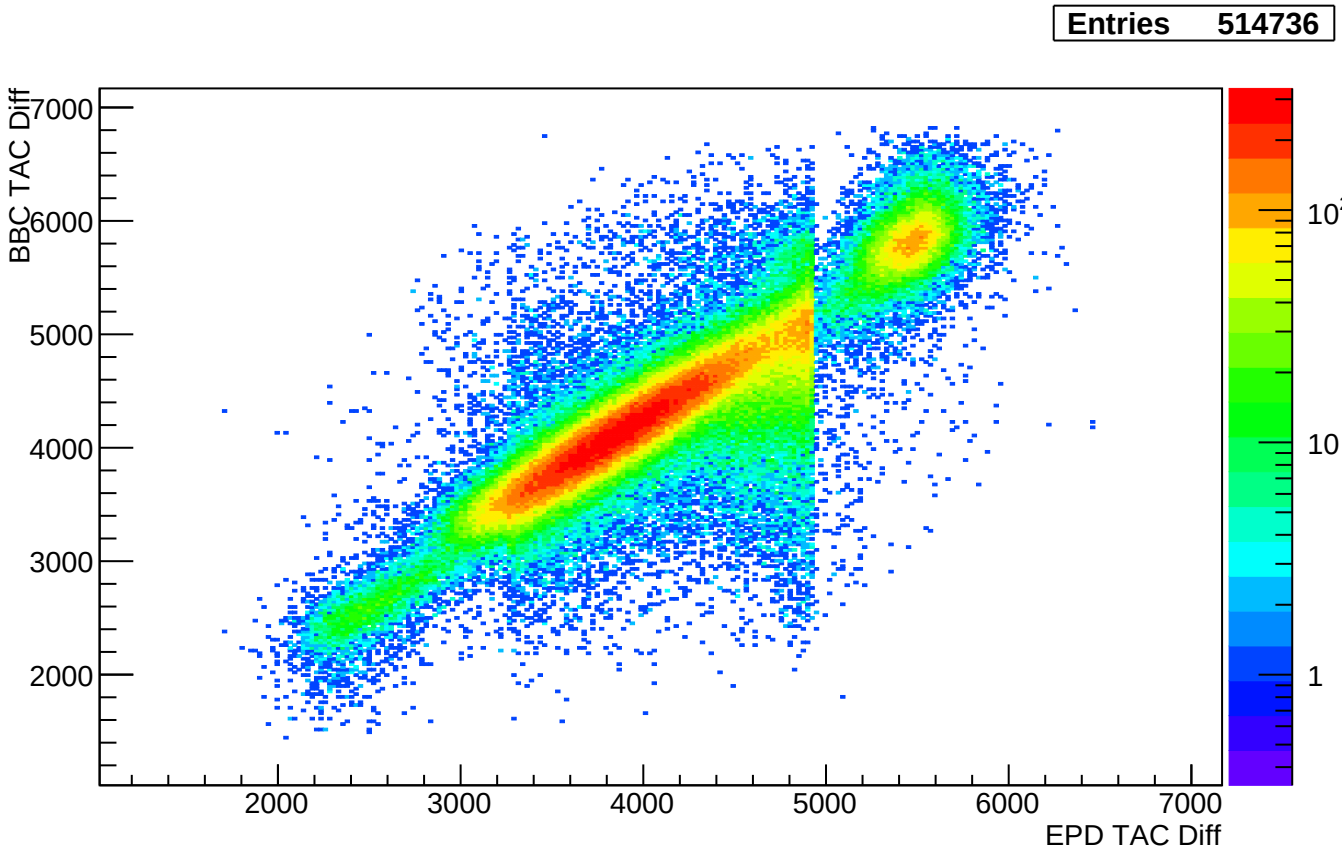

Entries 514736
TOF_Mult
BBC-S-West ADC Sum

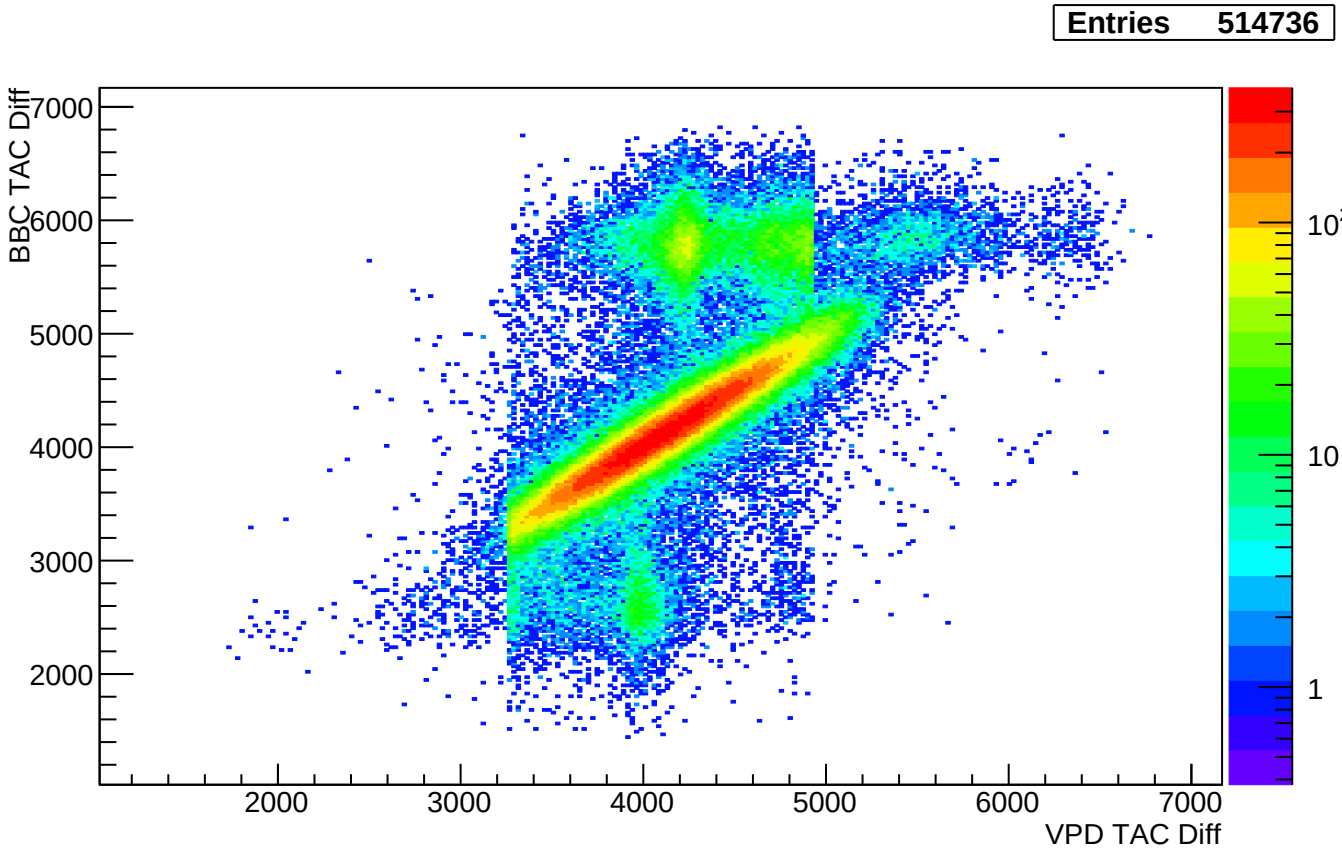

Entries 514736
TOF_Mult
EPD-East Hit Cnt

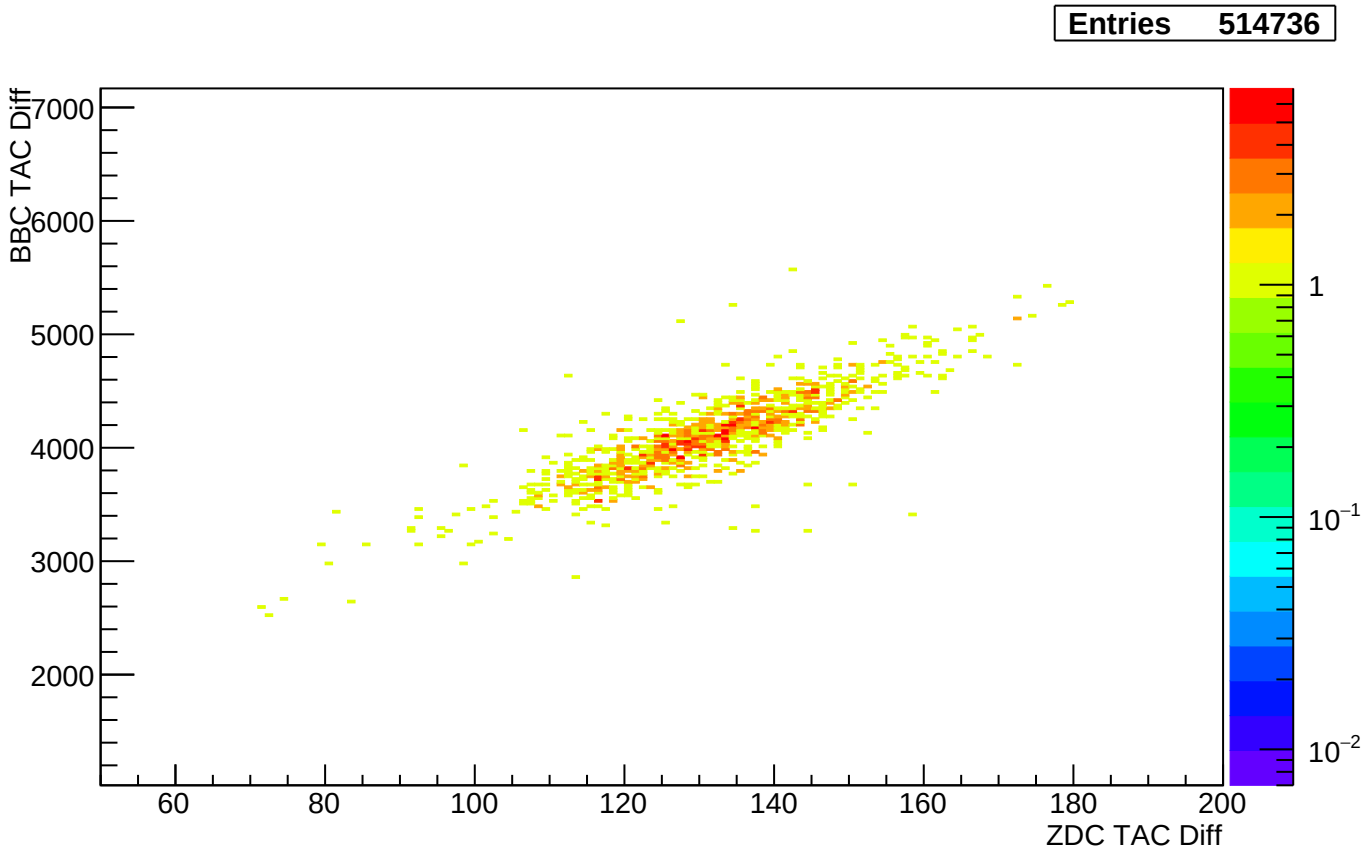

Entries 514736
TOF_Mult
EPD-West Hit Cnt

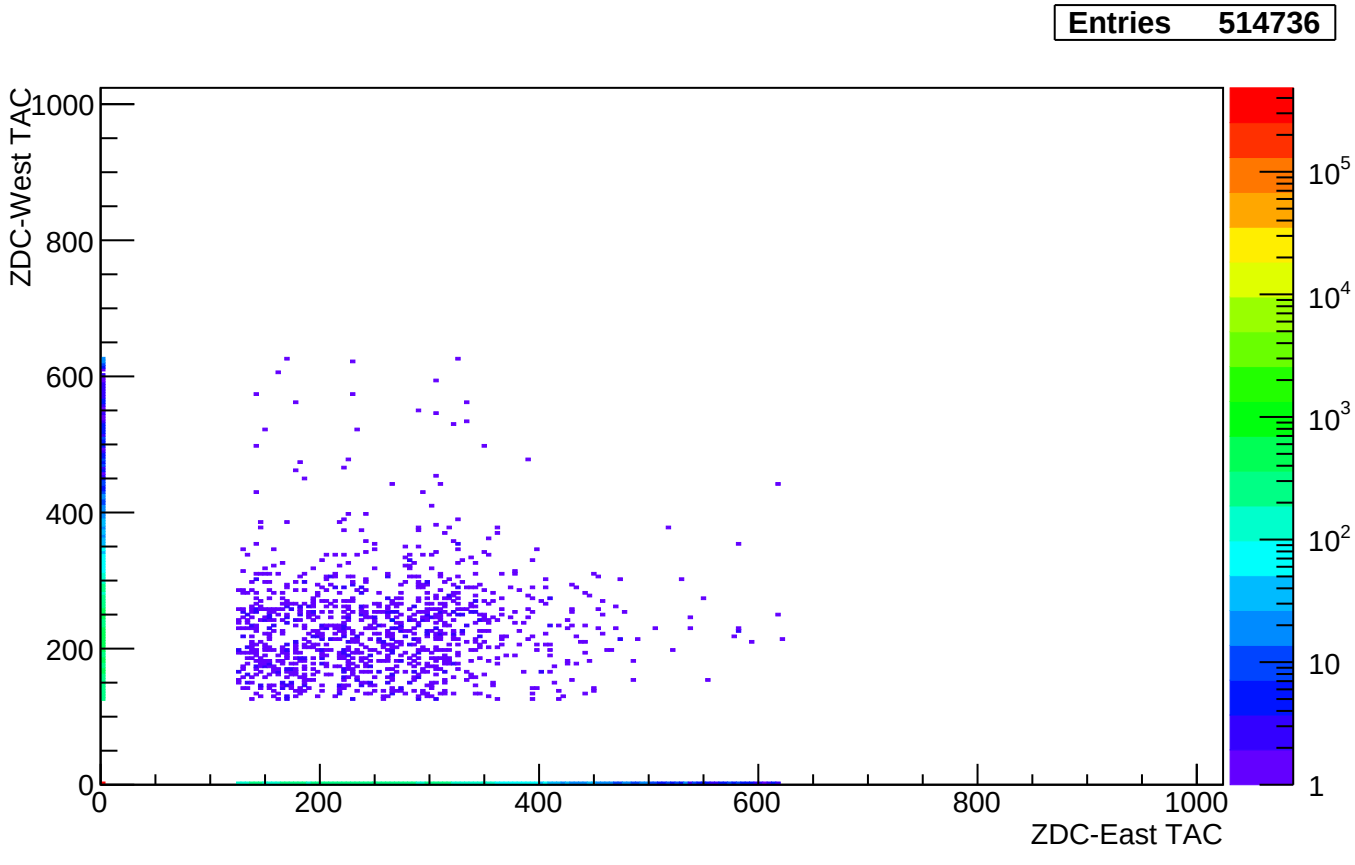

Entries 514736
TOF_Mult
VPD-East ADC Sum

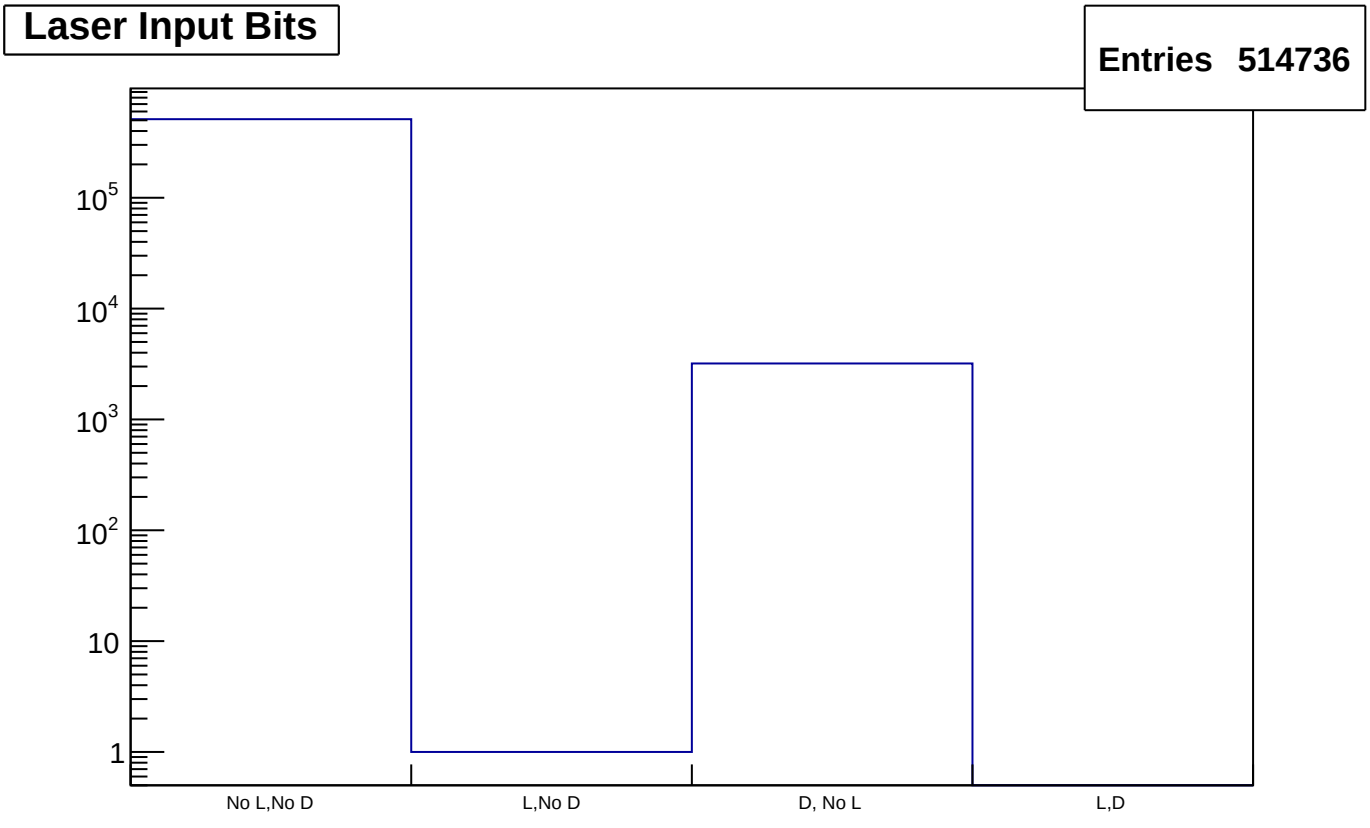

Entries 514736
TOF_Mult
VPD-West ADC Sum

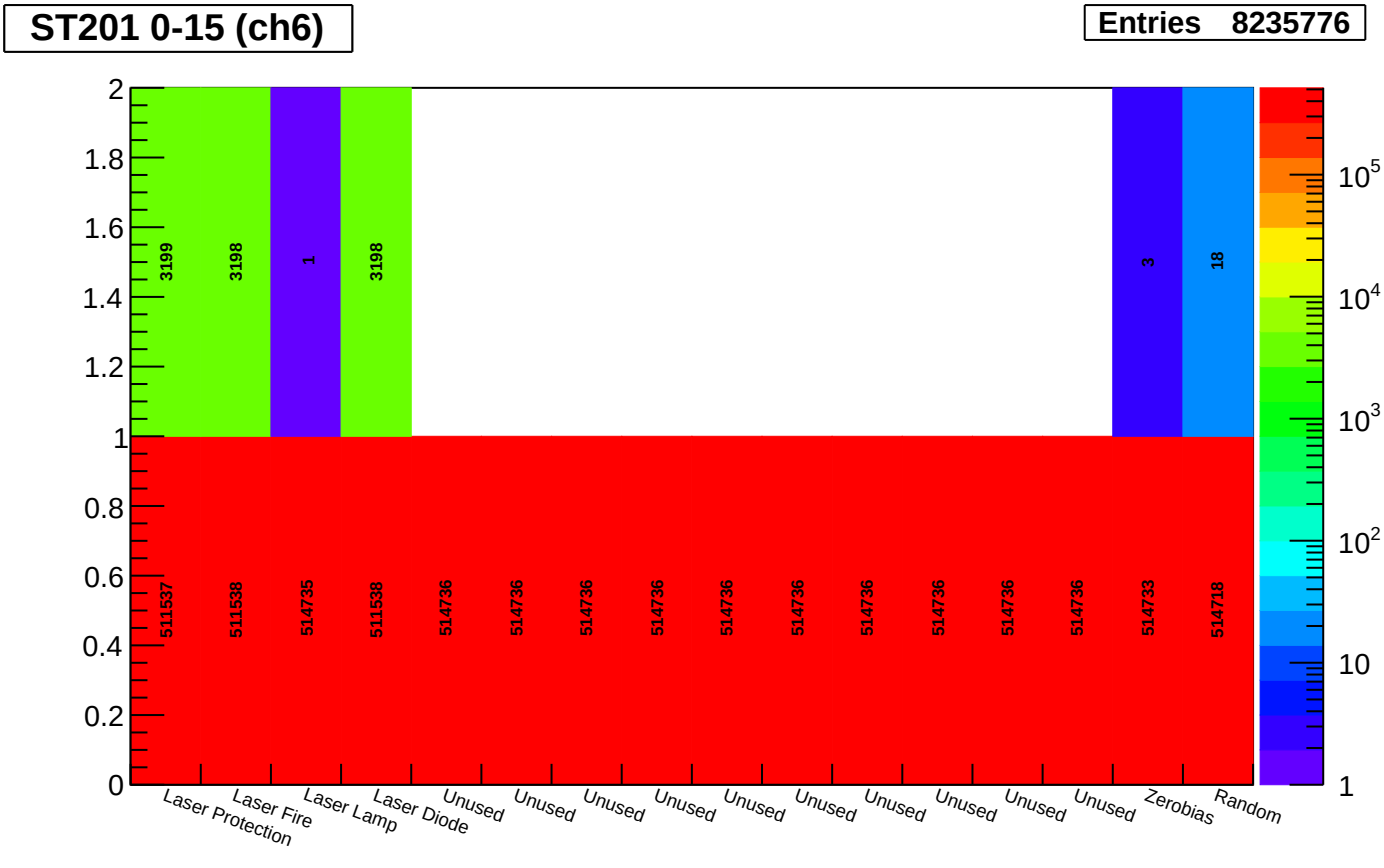

Entries 514736
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

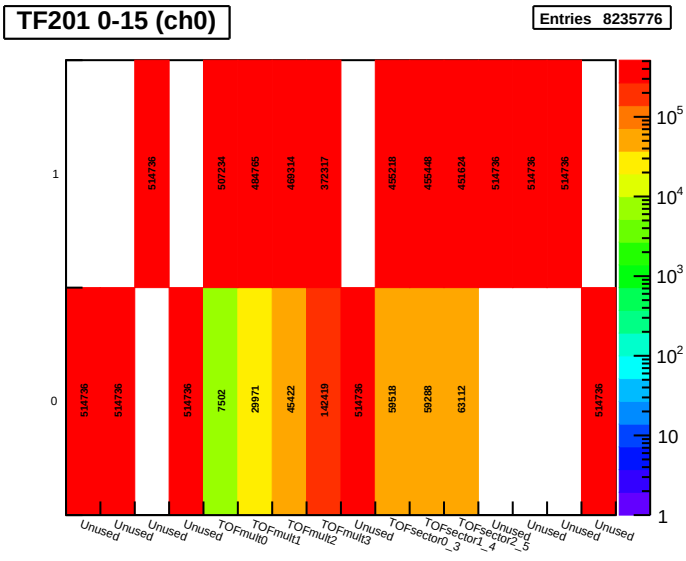

Entries 514736
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

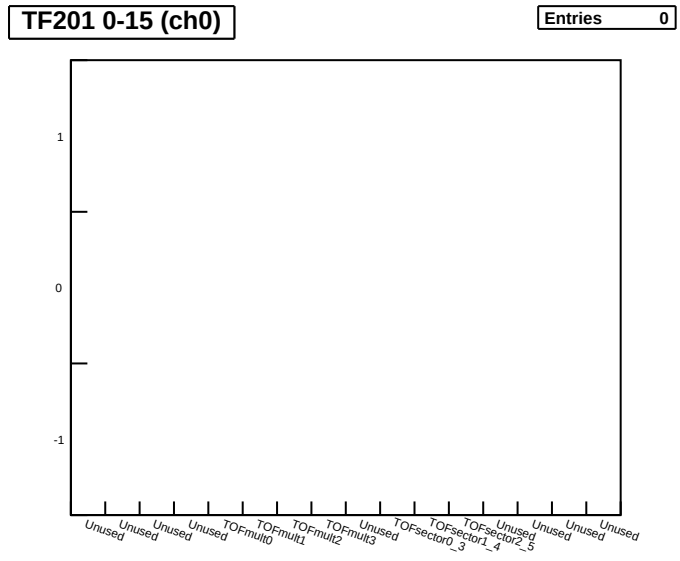

Entries 514736
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

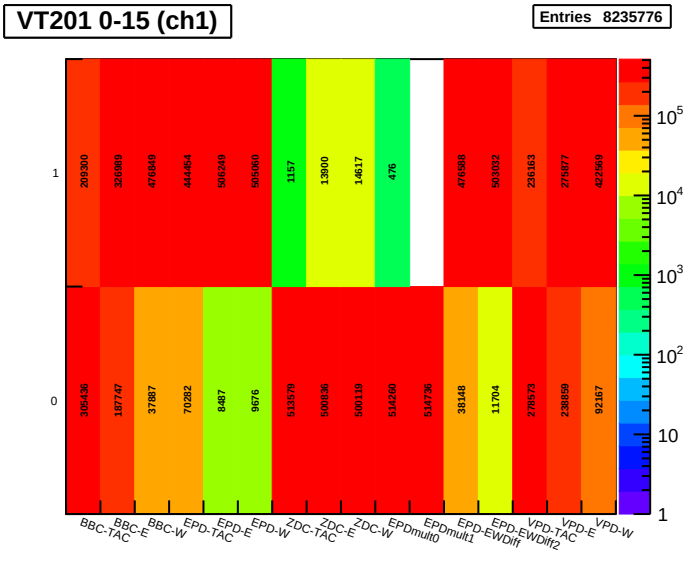

Entries 514736
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

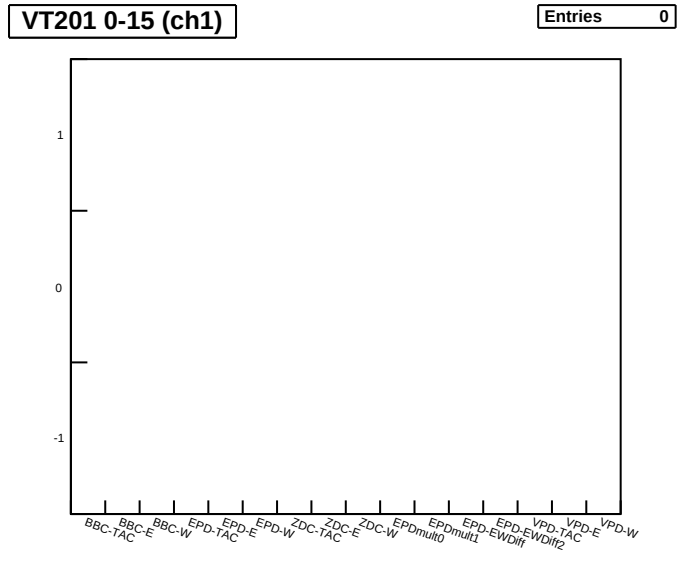

Laser Input Bits
Entries 514736
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

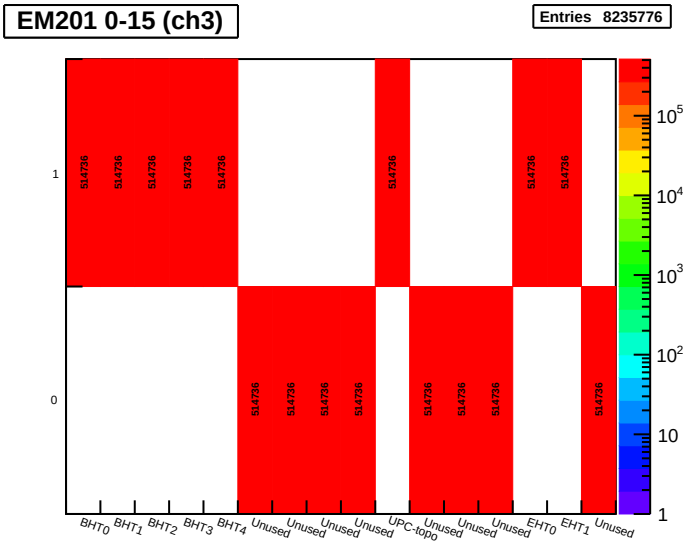

ST201 0-15 (ch6)
Entries 8235776
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3199
3198
1
3198
3
18
511537
511538
514735
511538
514736
514736
514736
514736
514736
514736
514736
514736
514736
514736
514733
514718
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

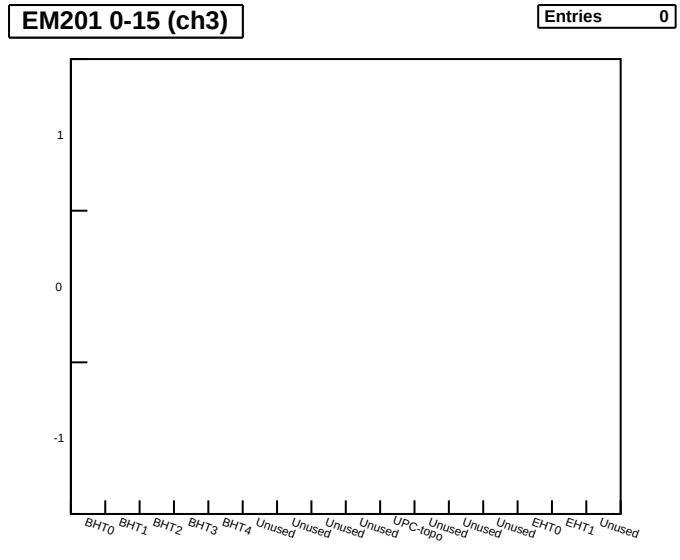

TF201 0-15 (ch0)
Entries 8235776
1
0
514736 514736 514736 514736 507234 494765 469314 372317 455218 455448 451624 514736 514736 514736
514736 514736 514736 7502 29971 45422 142419 514736 59518 59288 63112 514736
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 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 8235776
1
0
209300 326989 476849 444454 506249 505060 1157 13900 14617 476 476588 503032 236163 275877 422569
305436 187747 37887 70282 8487 9676 513579 500836 500119 514260 514736 38148 11704 278573 238859 92167
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 8235776
1
0
514736 514736 514736 514736 514736 514736 514736 514736 514736
514736 514736 514736 514736 514736 514736 514736 514736
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