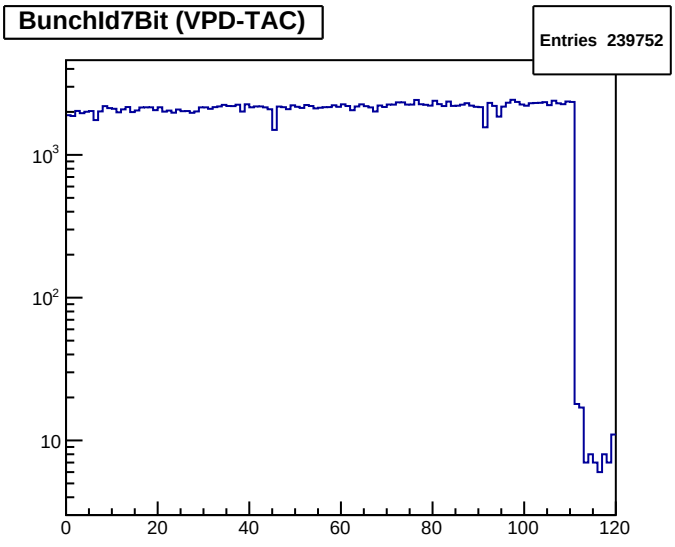
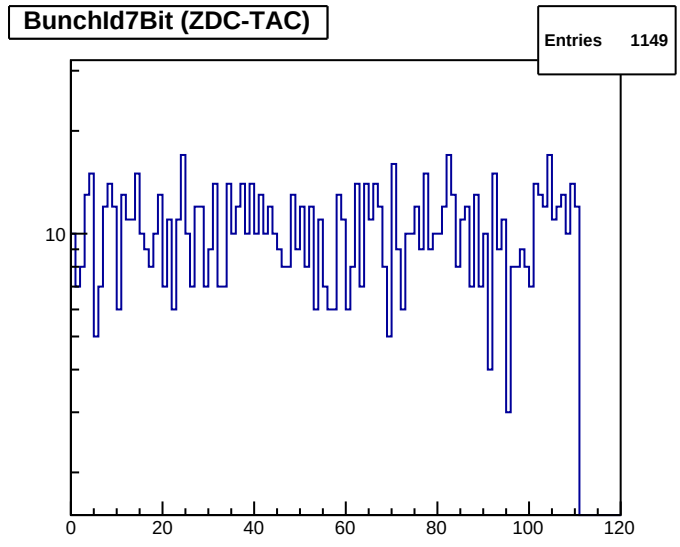
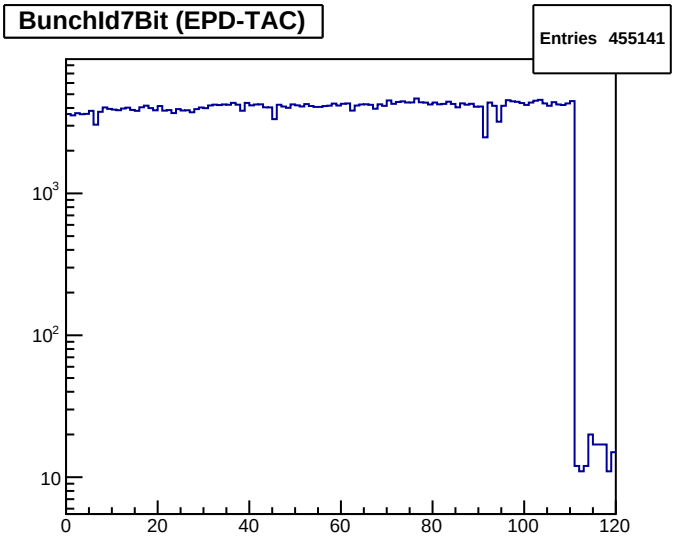
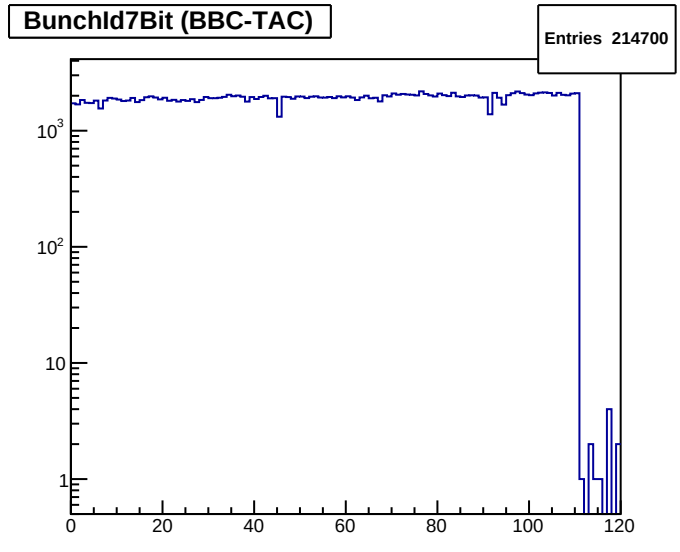
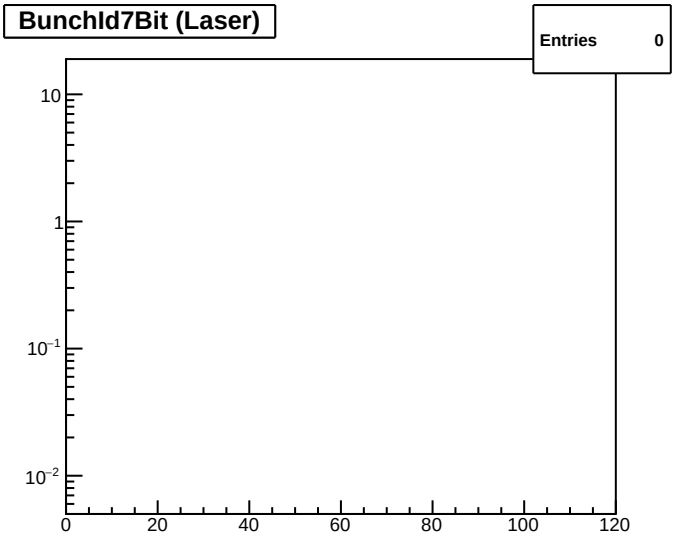
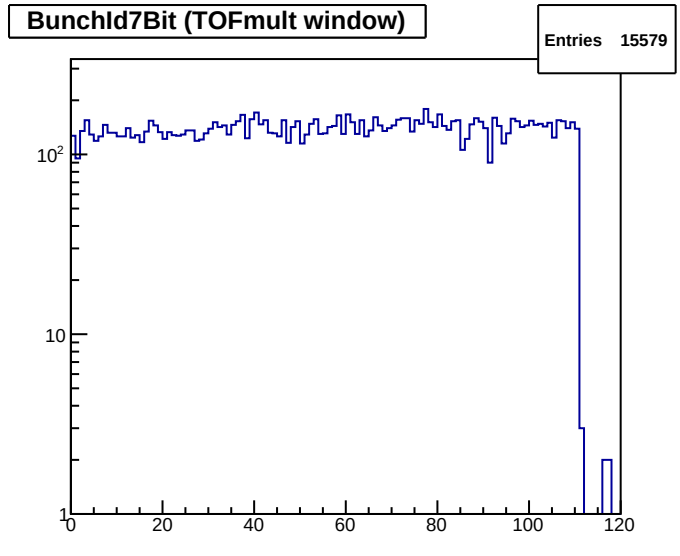

BunchId7Bit (VPD-TAC)
Entries 239752
10^3
10^2
10
0 20 40 60 80 100 120

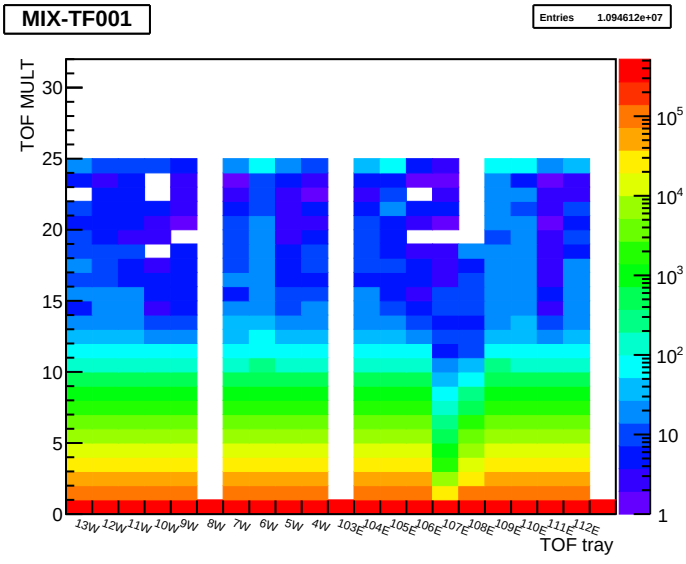

BunchId7Bit (ZDC-TAC)
Entries 1149
10
0 20 40 60 80 100 120

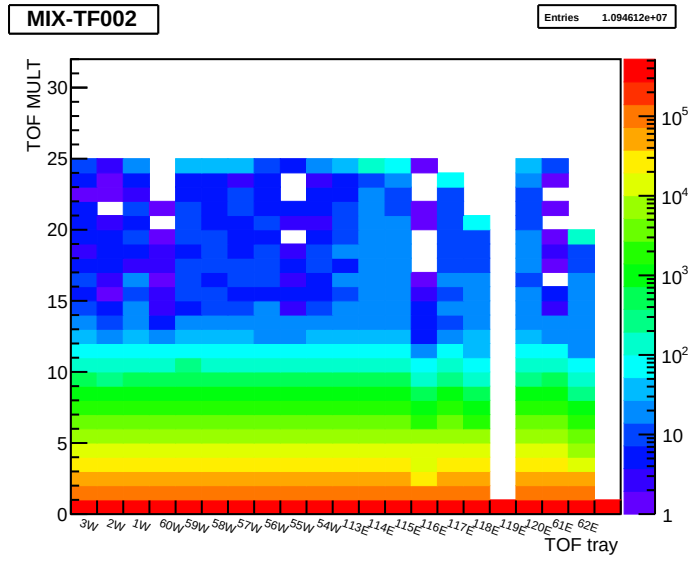

BunchId7Bit (EPD-TAC)
Entries 455141
10^3
10^2
10
0 20 40 60 80 100 120

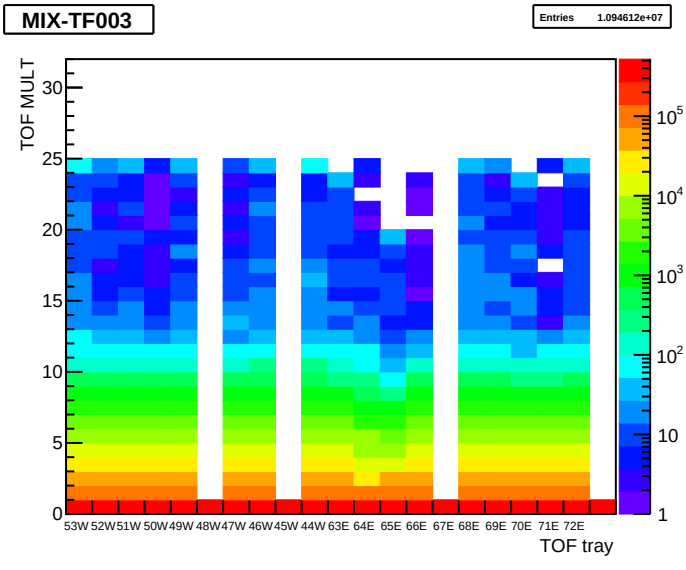

BunchId7Bit (BBC-TAC)
Entries 214700
10^3
10^2
10
1
0 20 40 60 80 100 120

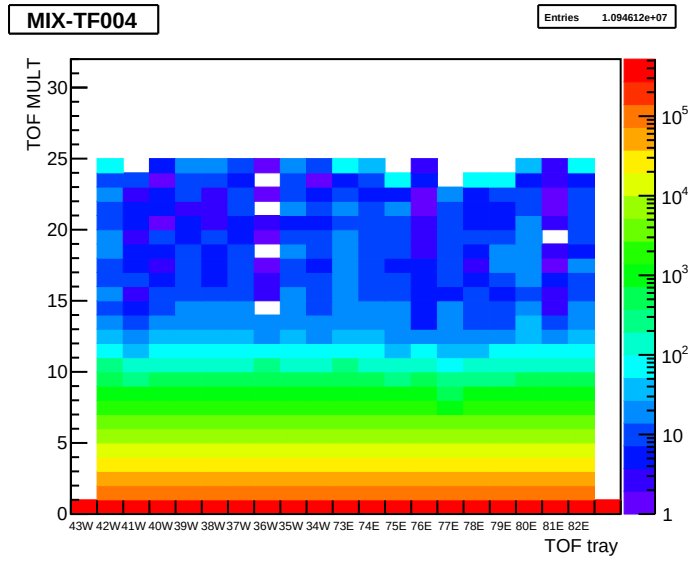

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

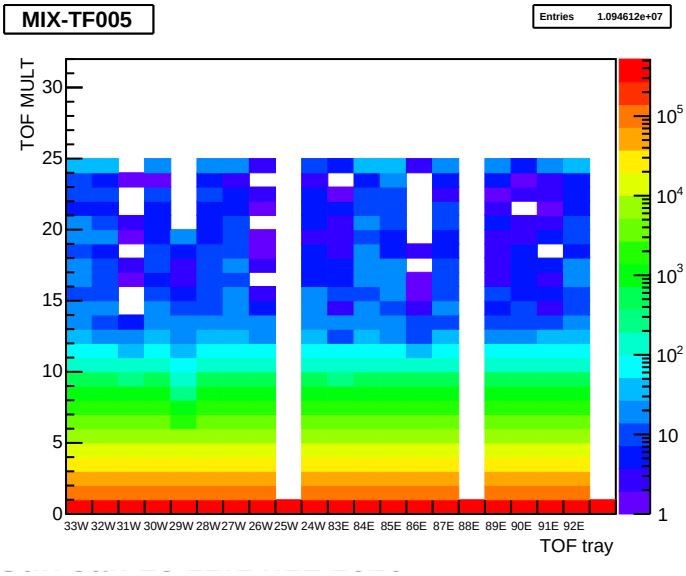

BunchId7Bit (TOFmult window)
Entries 15579
10^2
10
1
0 20 40 60 80 100 120

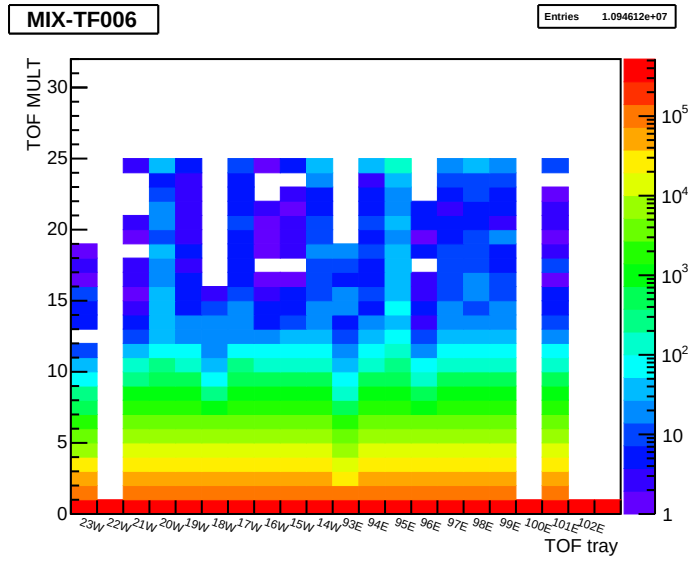

MIX-TF001
Entries 1.094612e+07
TOF MULT
TOF tray

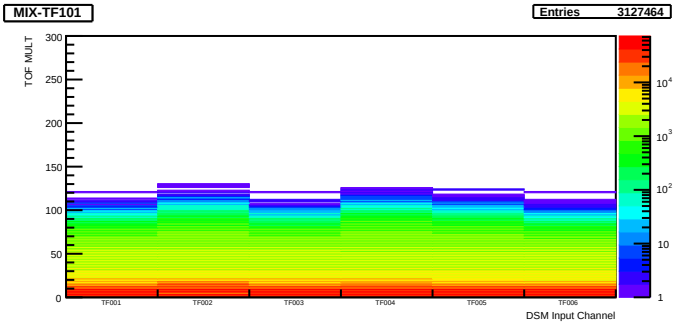

MIX-TF002
Entries 1.094612e+07
TOF MULT
TOF tray

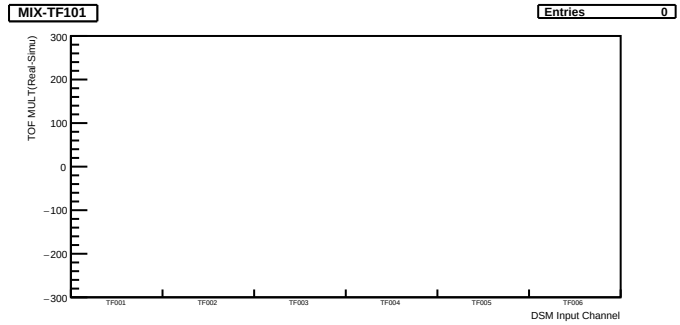

MIX-TF003
Entries 1.094612e+07
TOF MULT
TOF tray

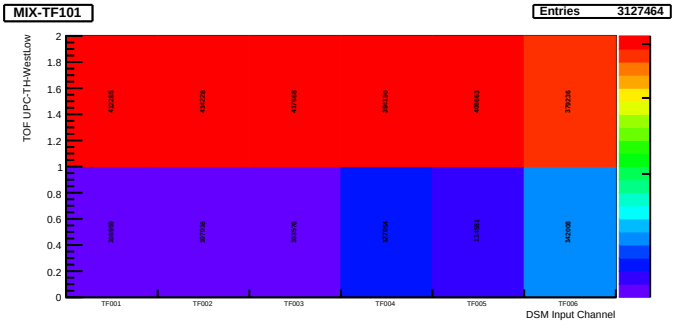

MIX-TF004
Entries 1.094612e+07
TOF MULT
TOF tray

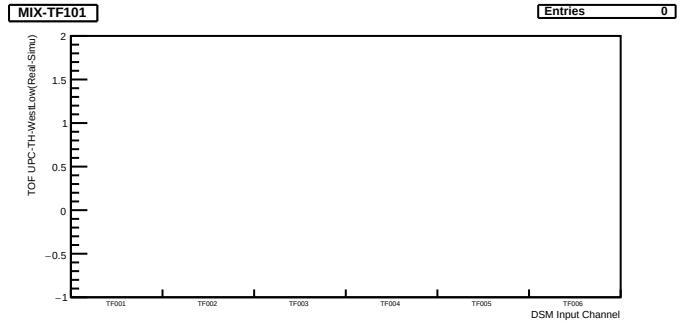

MIX-TF005
Entries 1.094612e+07
TOF MULT
TOF tray

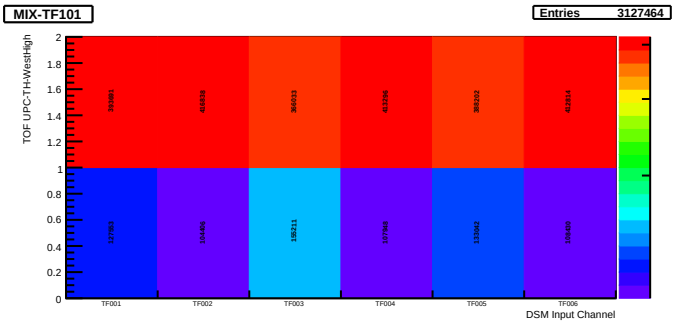

MIX-TF006
Entries 1.094612e+07
TOF MULT
TOF tray

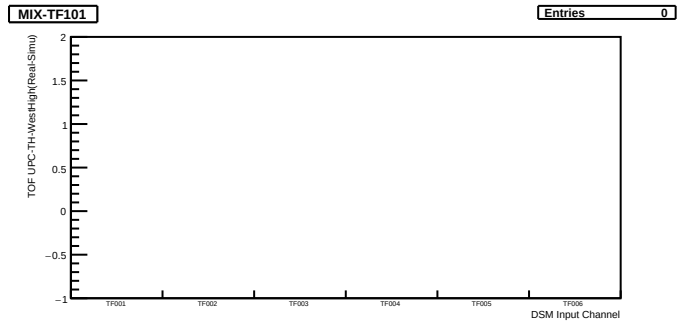

MIX-TF101
Entries 3127464
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

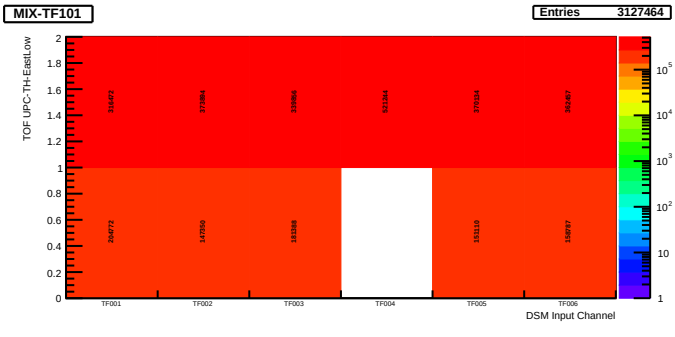

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

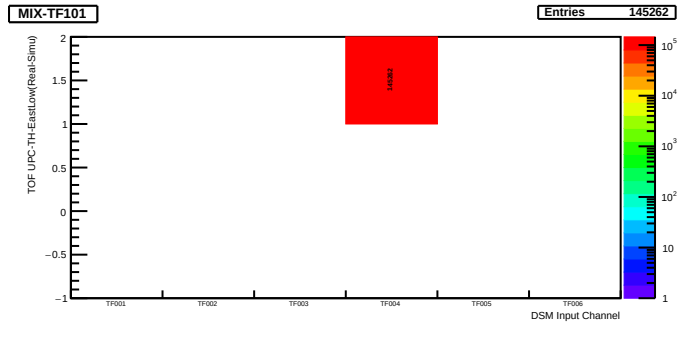

MIX-TF101
Entries 3127464
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

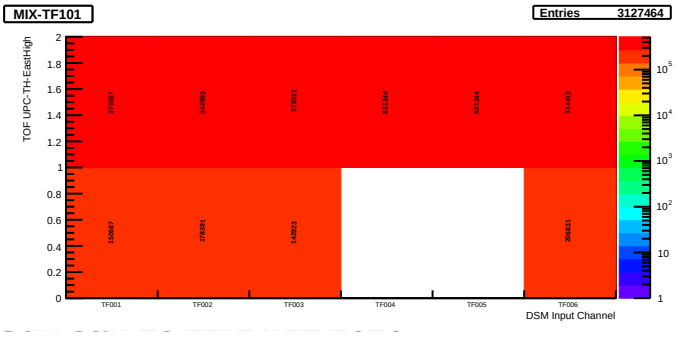

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

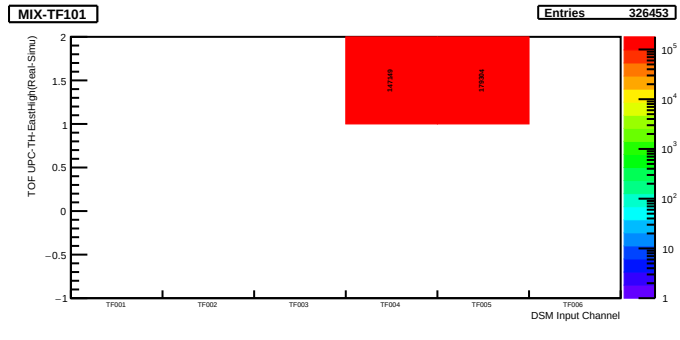

MIX-TF101
Entries 3127464
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

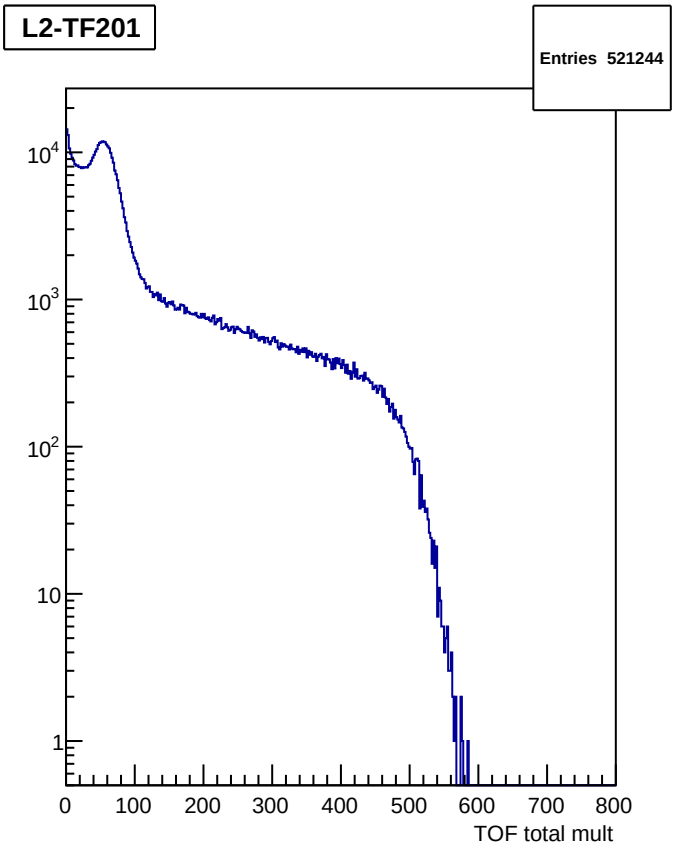

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

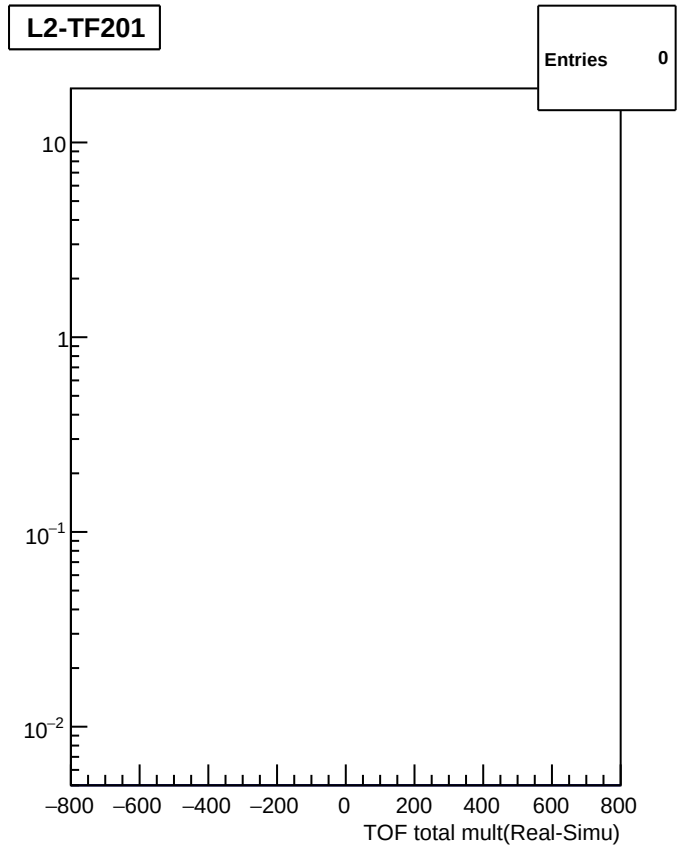

MIX-TF101
Entries 3127464
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

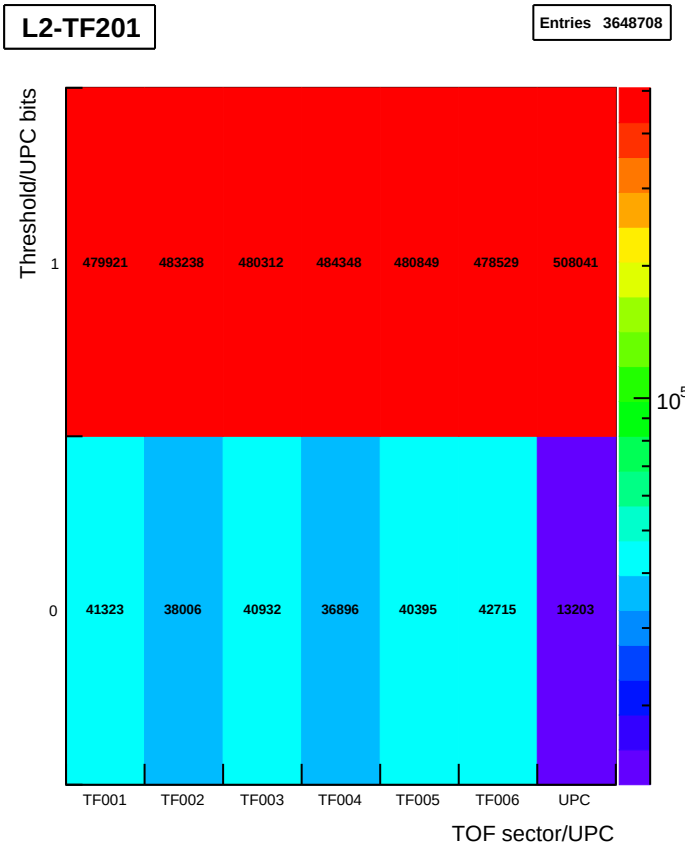

MIX-TF101
Entries 145262
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

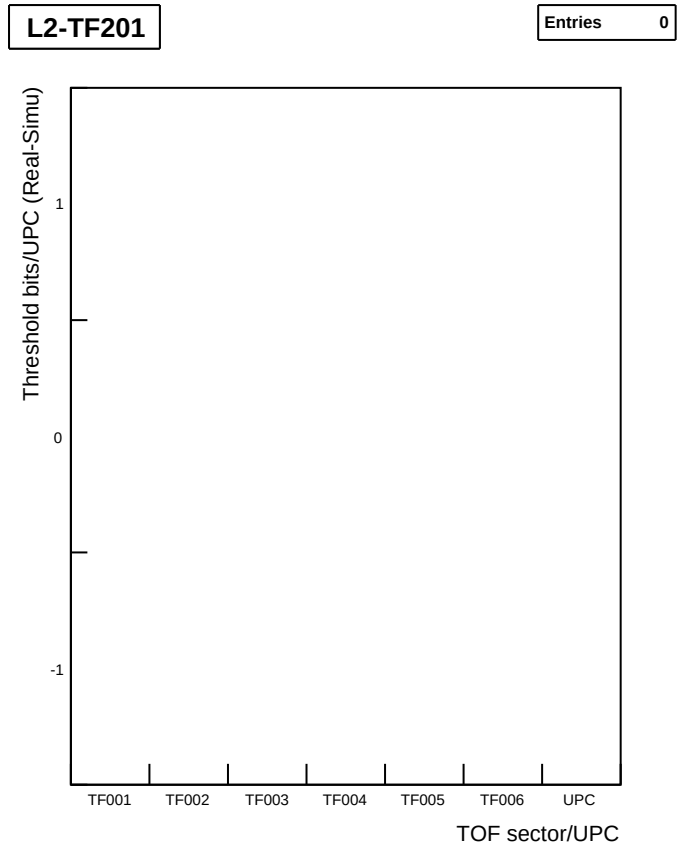

MIX-TF101
Entries 3127464
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

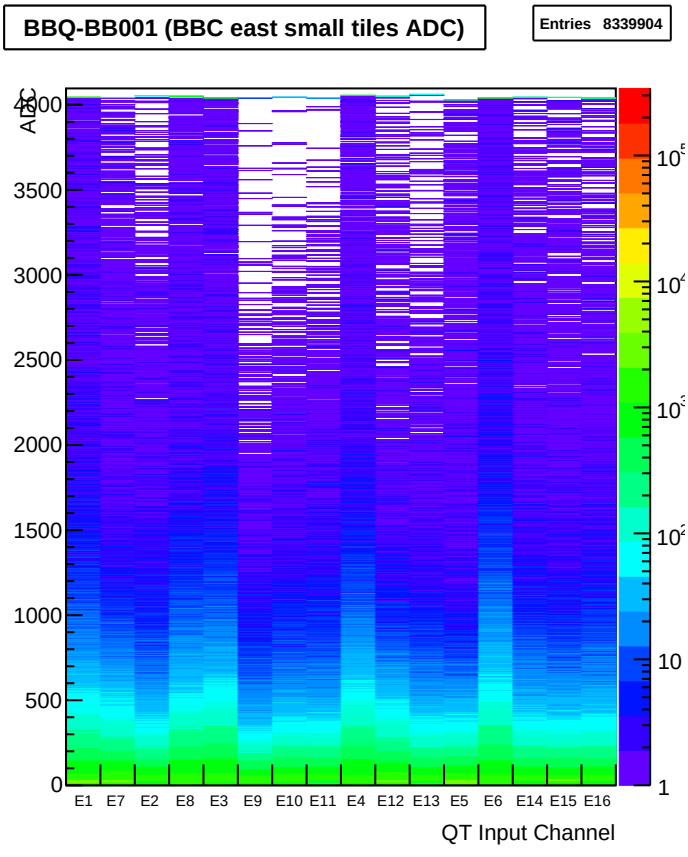

MIX-TF101
Entries 326453
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

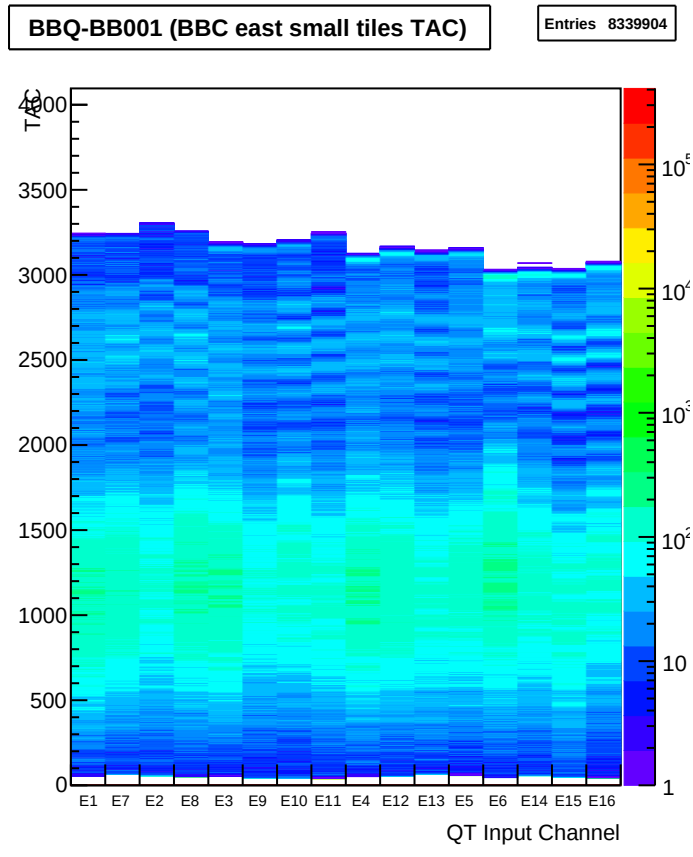

L2-TF201
Entries 521244
TOF total mult

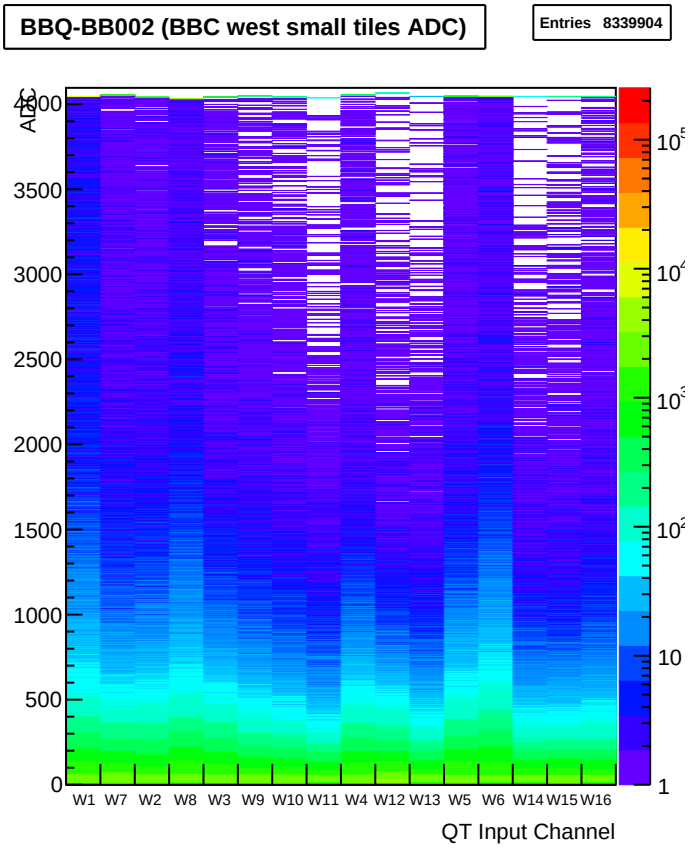

L2-TF201
Entries 0
TOF total mult(Real-Simu)

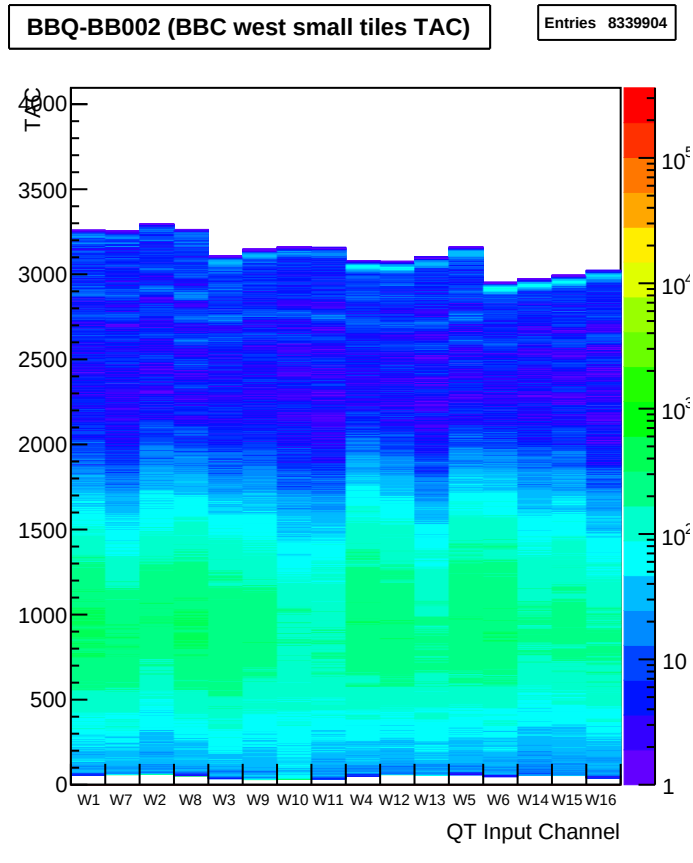

L2-TF201
Entries 3648708
Threshold/UPC bits
479921
483238
480312
484348
480849
478529
508041
41323
38006
40932
36896
40395
42715
13203
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

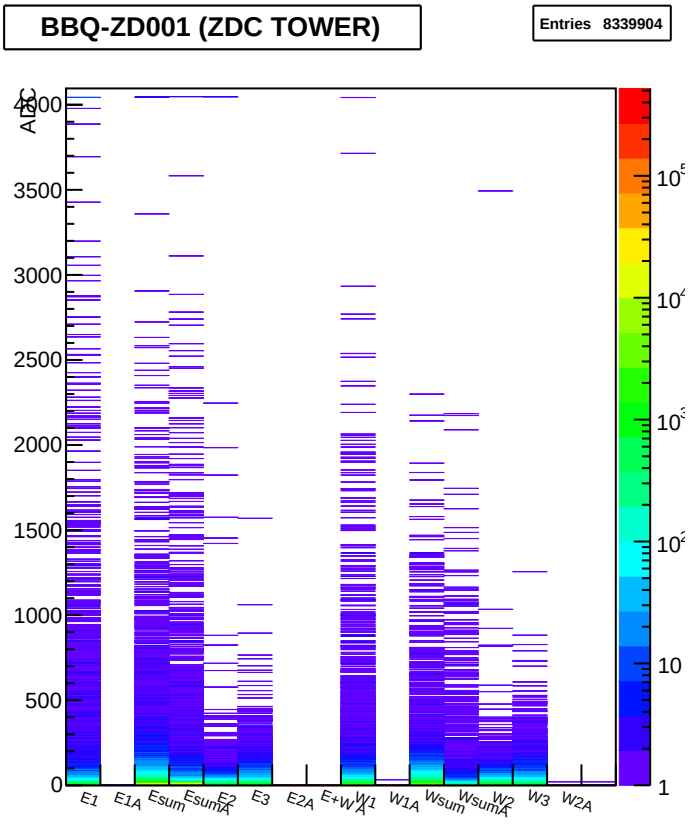

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

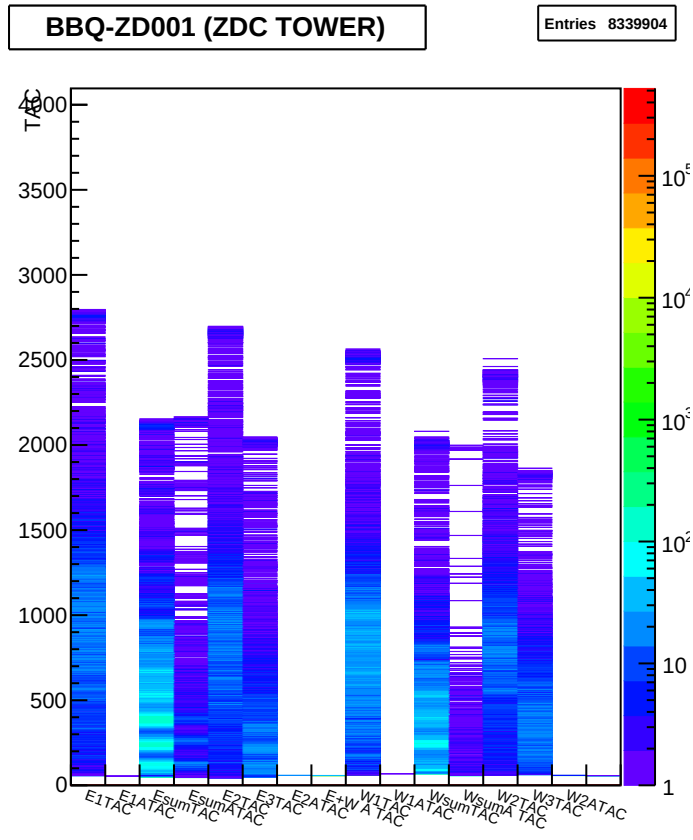

BBQ-BB001 (BBC east small tiles ADC)
Entries 8339904
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

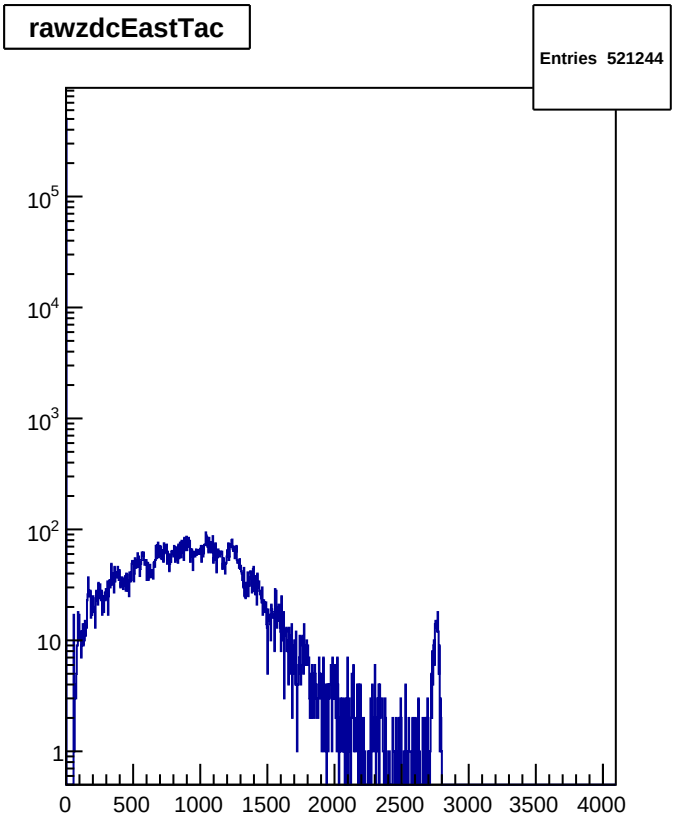

BBQ-BB001 (BBC east small tiles TAC)
Entries 8339904
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

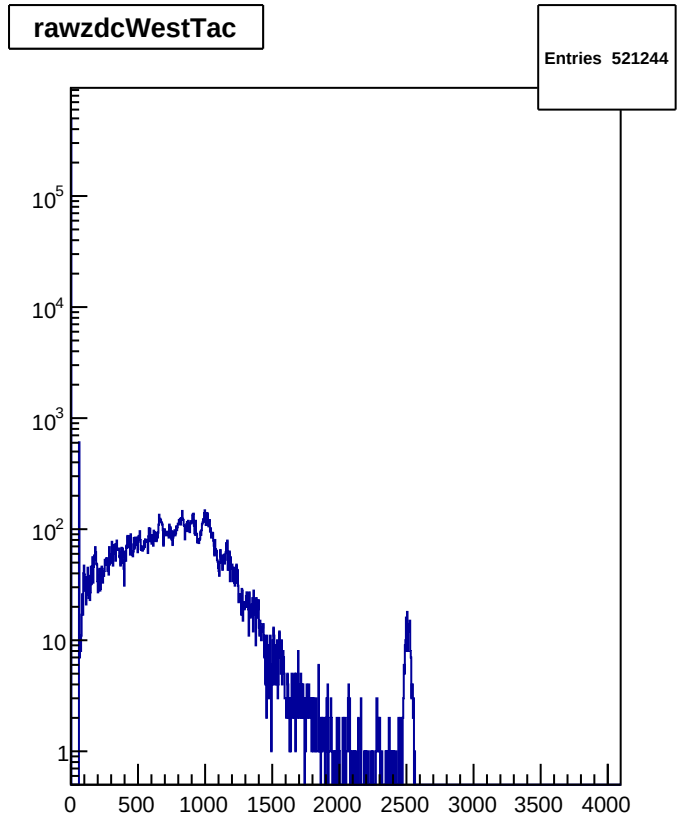

BBQ-BB002 (BBC west small tiles ADC)
Entries 8339904
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

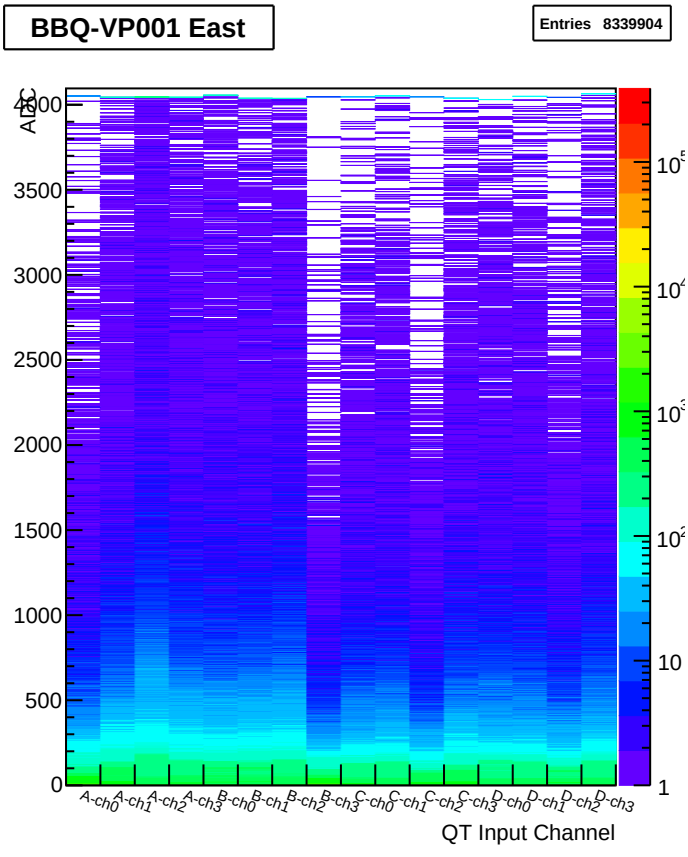

BBQ-BB002 (BBC west small tiles TAC)
Entries 8339904
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

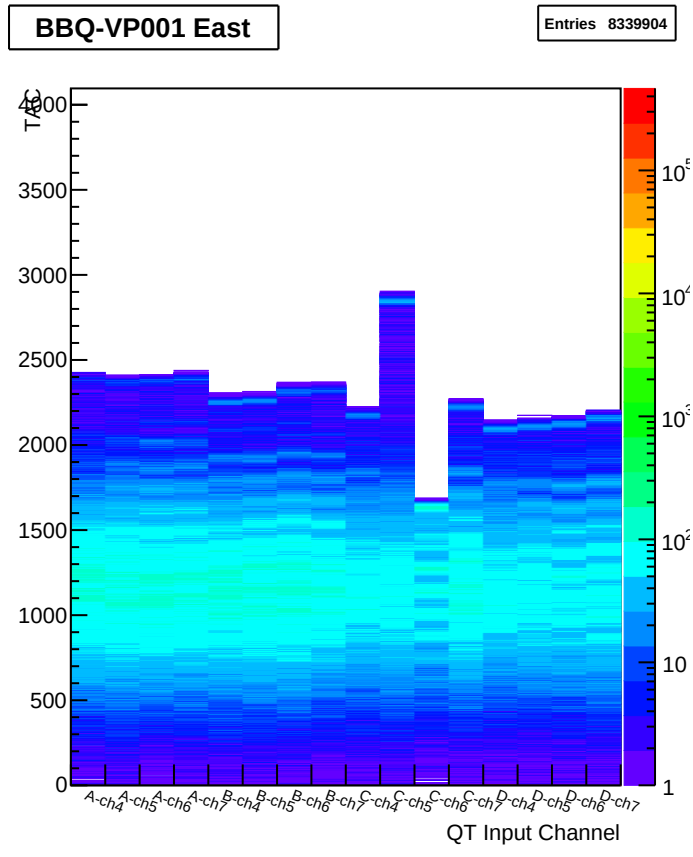

BBQ-ZD001 (ZDC TOWER)
Entries 8339904
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

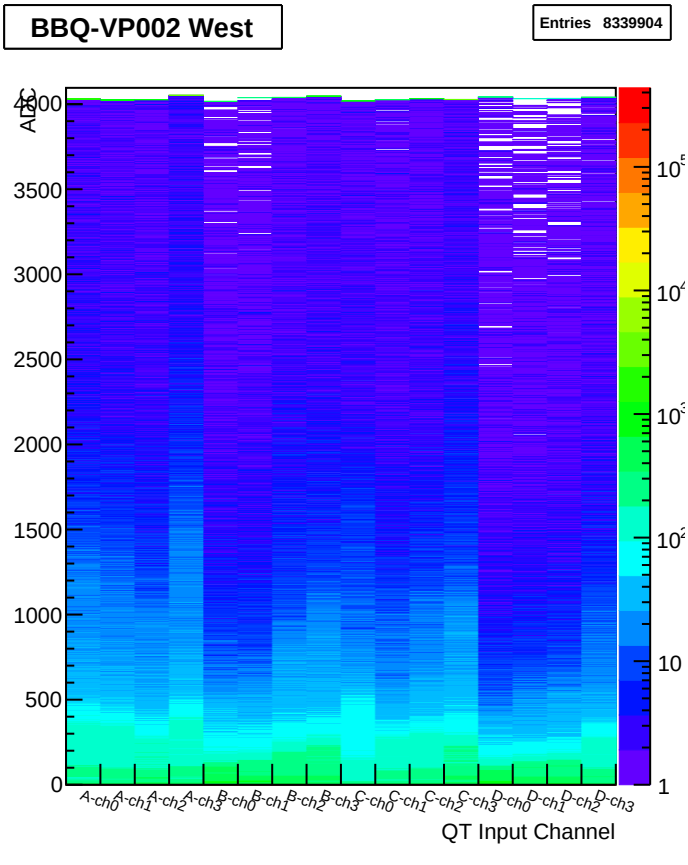

BBQ-ZD001 (ZDC TOWER)
Entries 8339904
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumATAC
W2TAC
W3TAC
W2ATAC

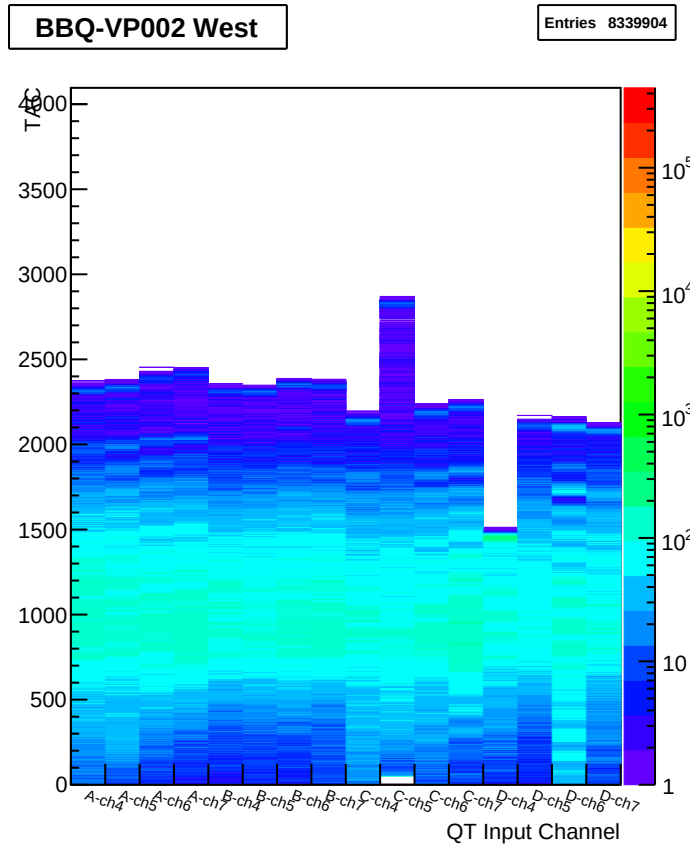

rawzdcEastTac
Entries 521244

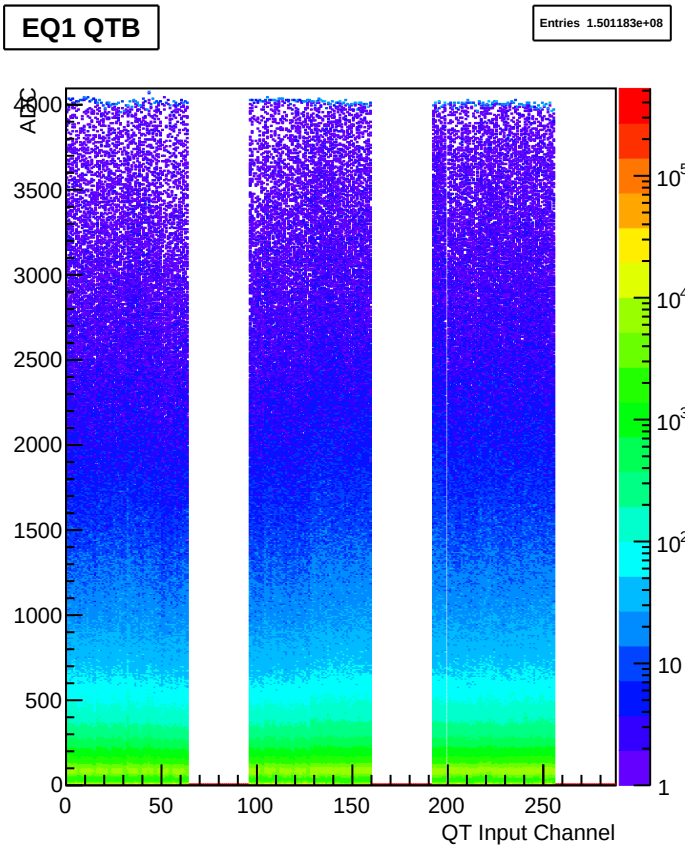

rawzdcWestTac
Entries 521244

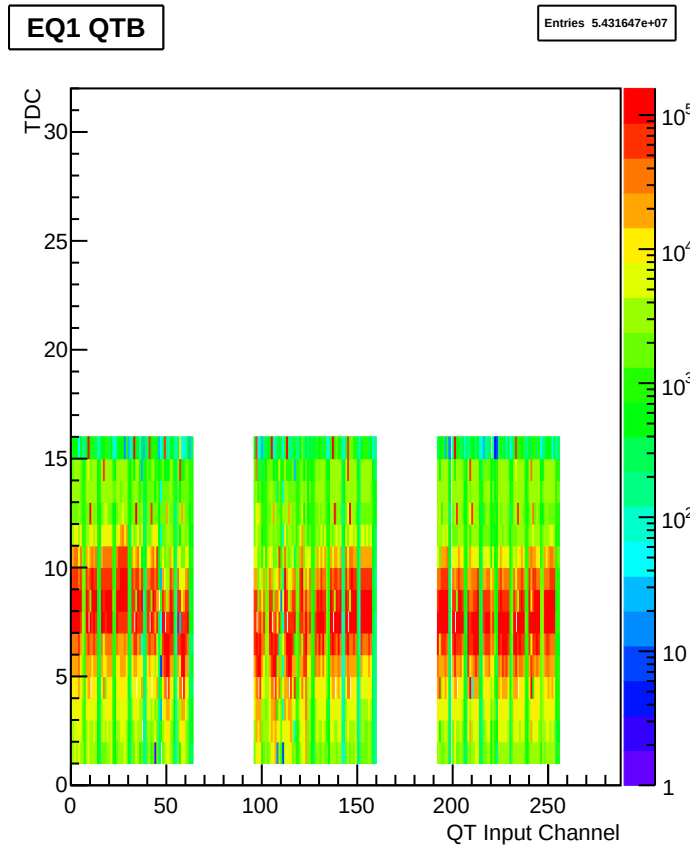

BBQ-VP001 East
Entries 8339904
ADC
QT Input Channel

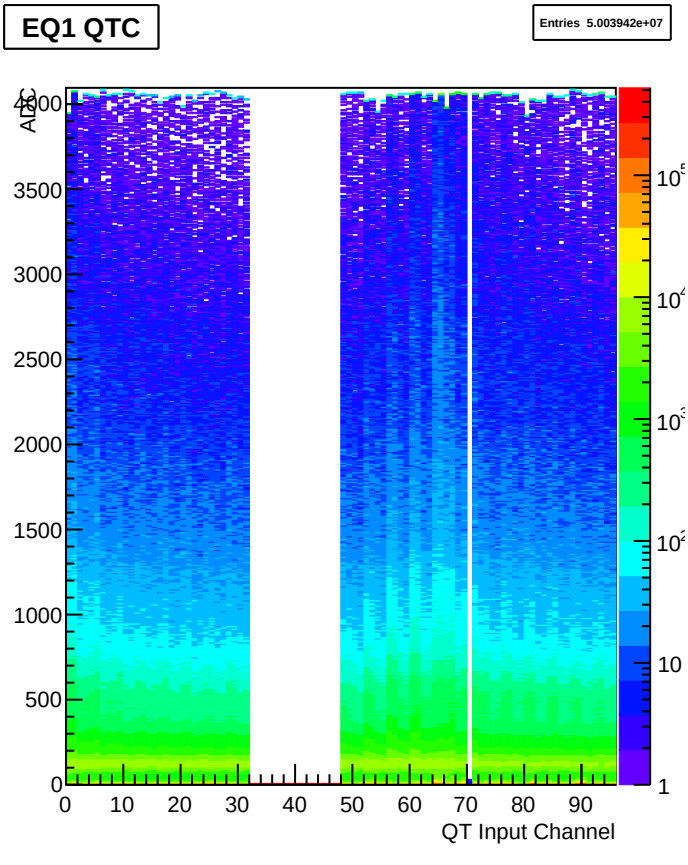

BBQ-VP001 East
Entries 8339904
ADC
QT Input Channel

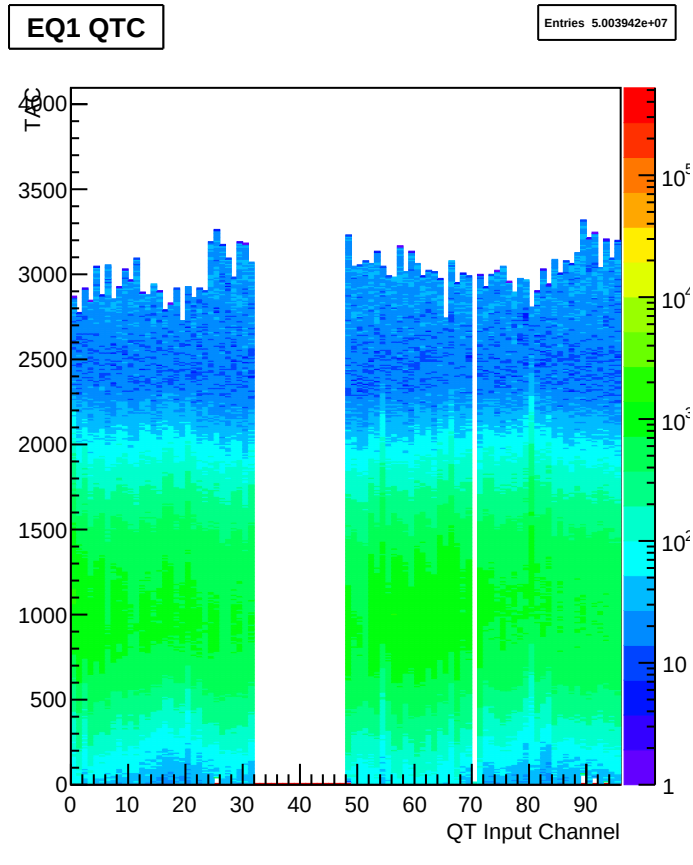

BBQ-VP002 West
Entries 8339904
ADC
QT Input Channel

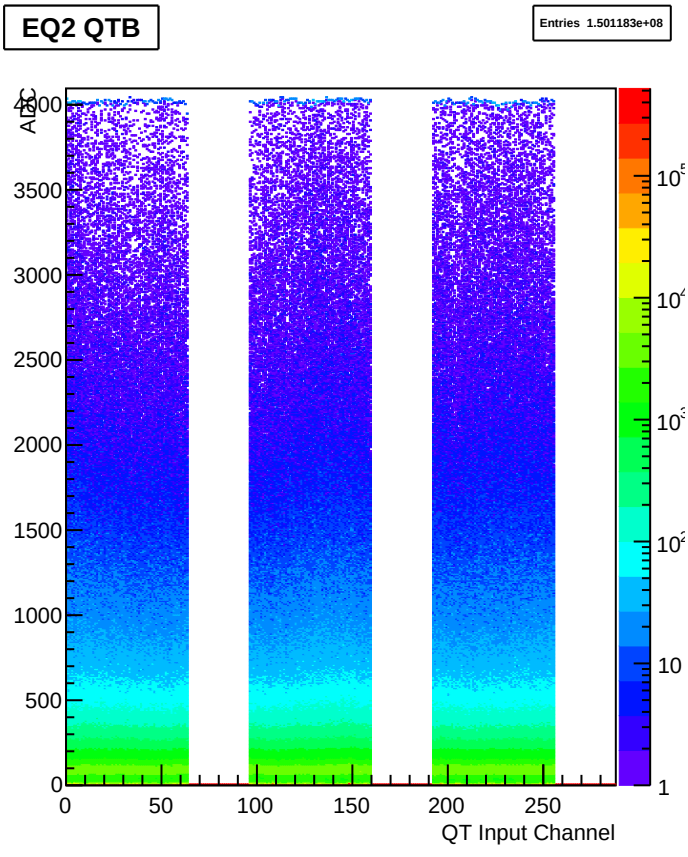

BBQ-VP002 West
Entries 8339904
ADC
QT Input Channel

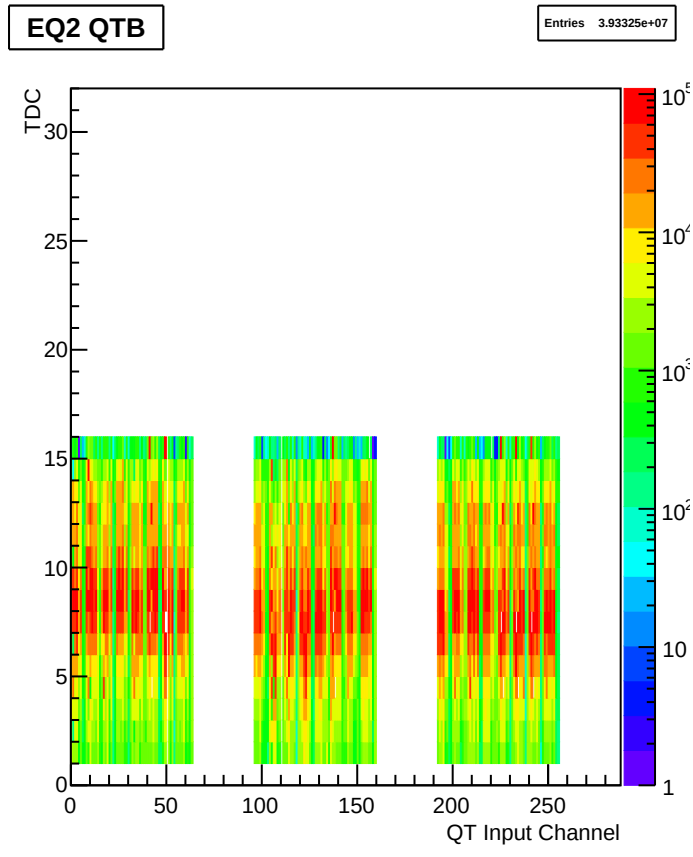

EQ1 QTB
Entries 1.501183e+08
ADC
QT Input Channel

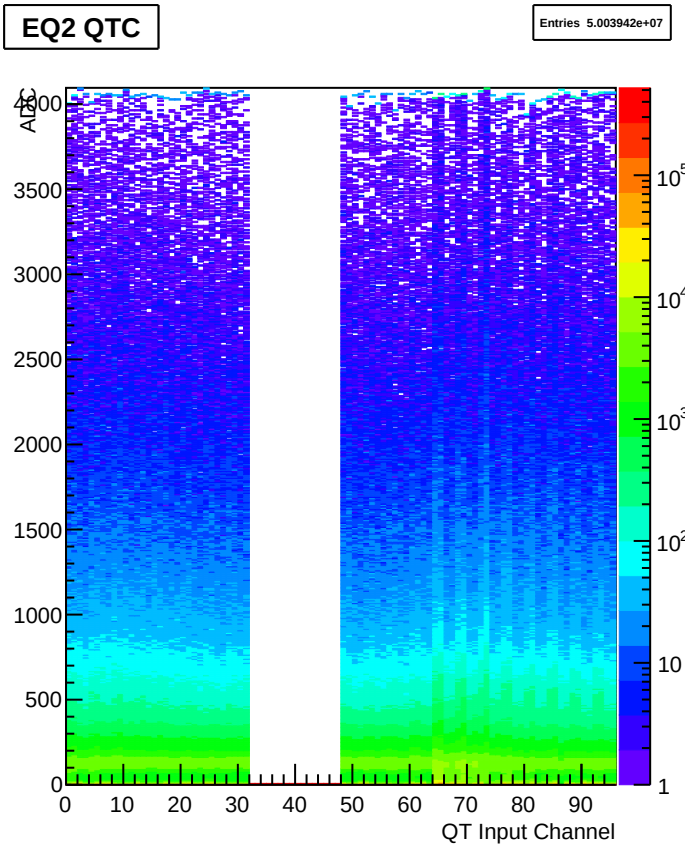

EQ1 QTB
Entries 5.431647e+07
TDC
QT Input Channel

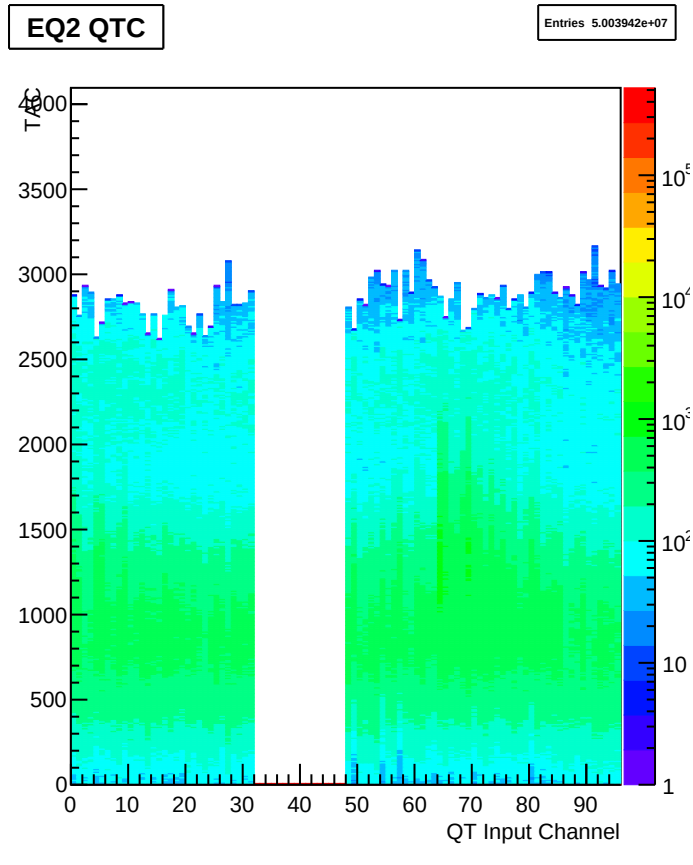

EQ1 QTC
Entries 5.003942e+07
ADC
QT Input Channel

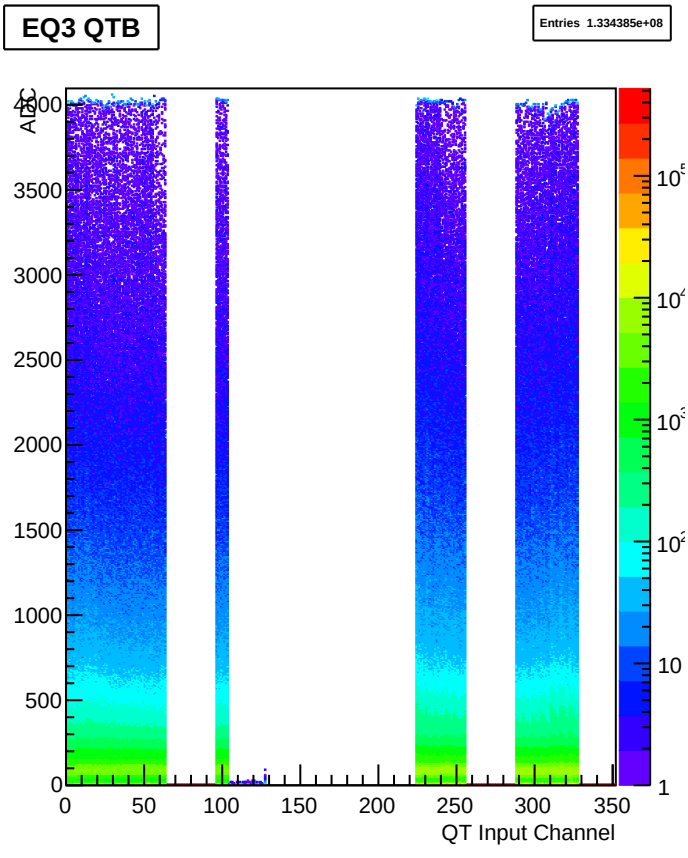

EQ1 QTC
Entries 5.003942e+07
TADC
QT Input Channel

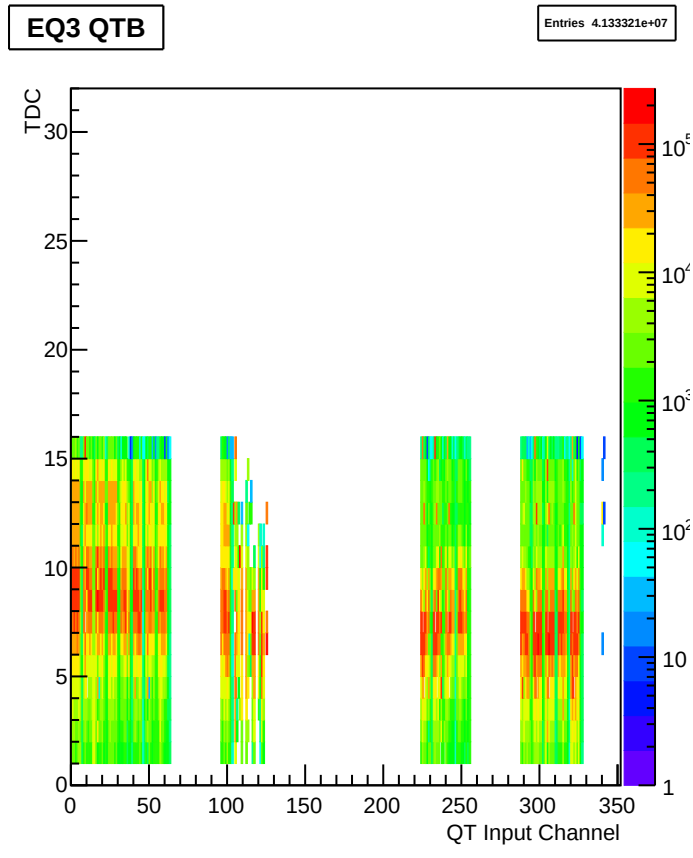

EQ2 QTB
Entries 1.501183e+08
ADC
QT Input Channel

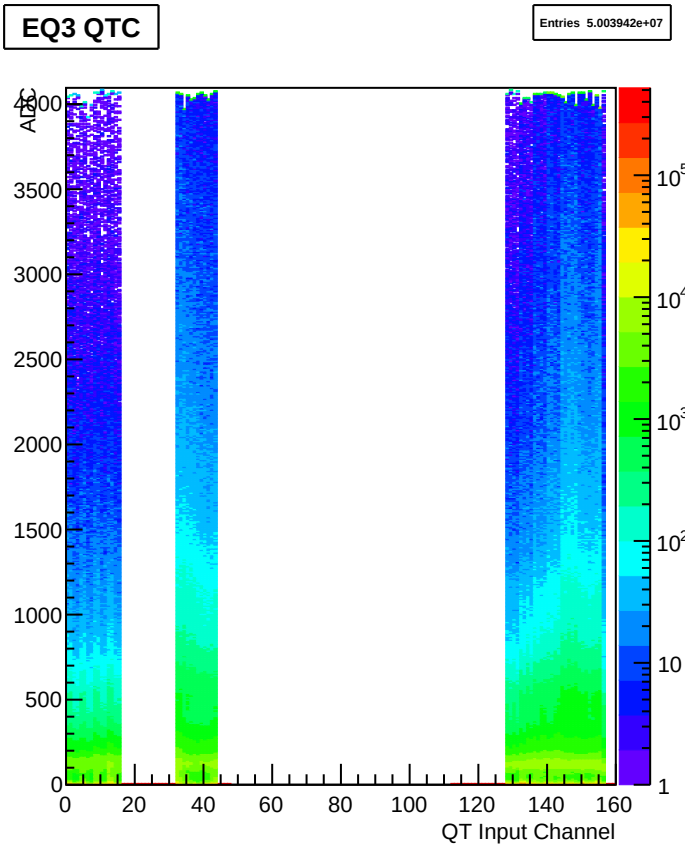

EQ2 QTB
Entries 3.93325e+07
TDC
QT Input Channel

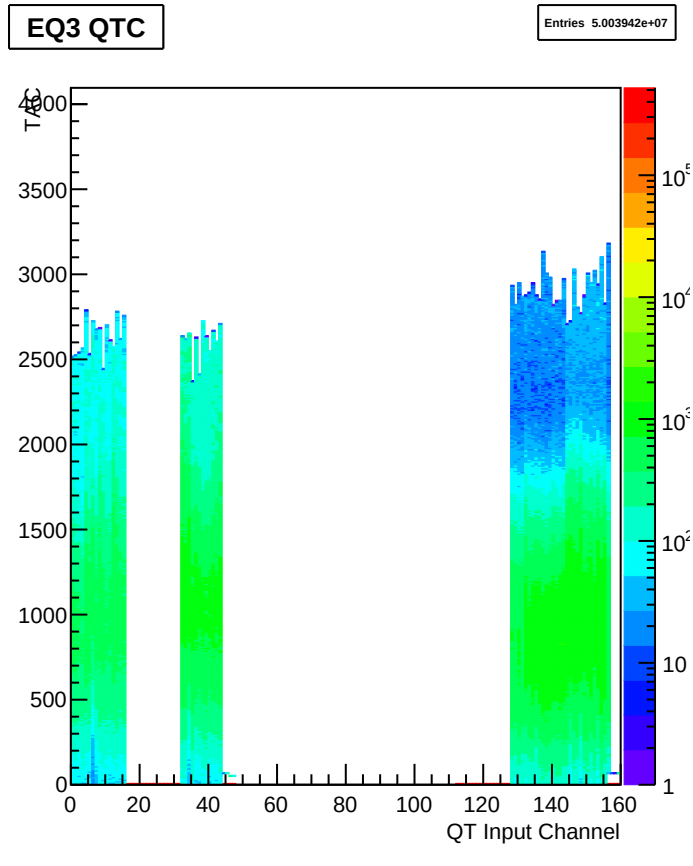

EQ2 QTC
Entries 5.003942e+07
ADC
QT Input Channel

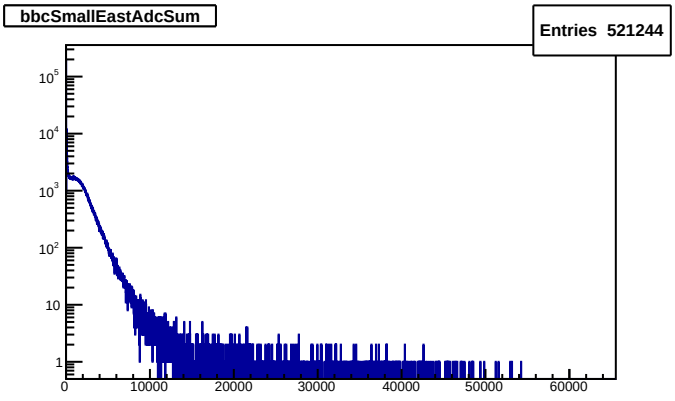

EQ2 QTC
Entries 5.003942e+07
TADC
QT Input Channel

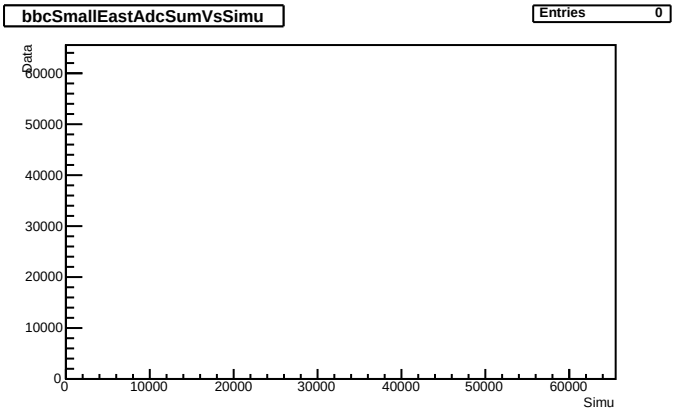

EQ3 QTB
Entries 1.334385e+08
ADC
QT Input Channel

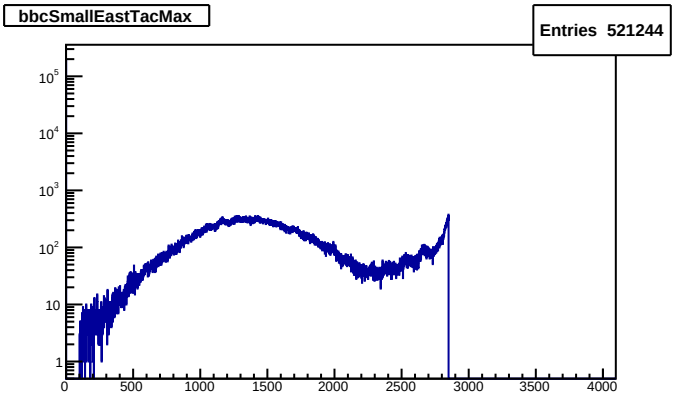

EQ3 QTB
Entries 4.133321e+07
TDC
QT Input Channel

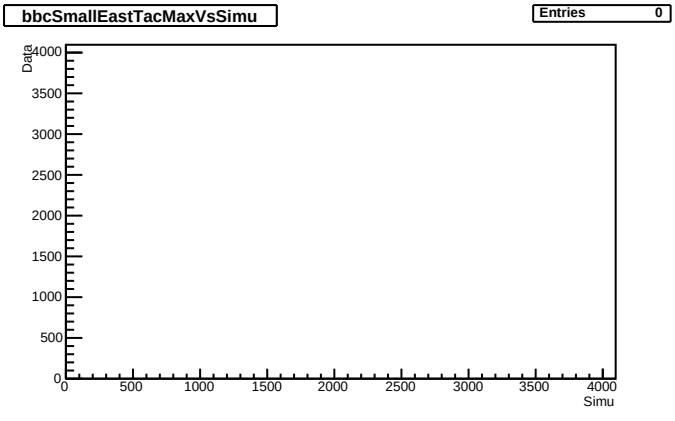

EQ3 QTC
Entries 5.003942e+07
ADC
QT Input Channel


EQ3 QTC
Entries 5.003942e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 521244


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 521244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Entries 0
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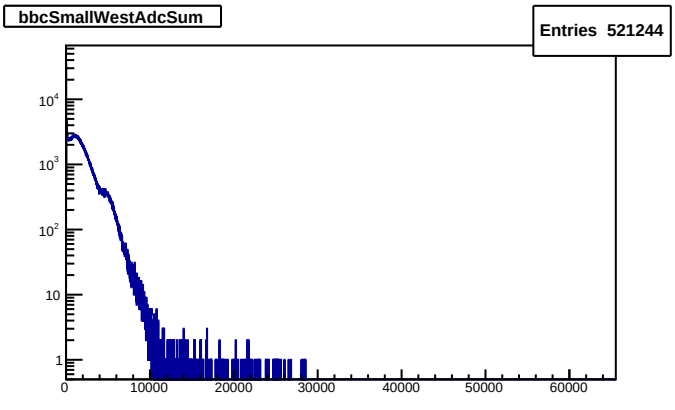
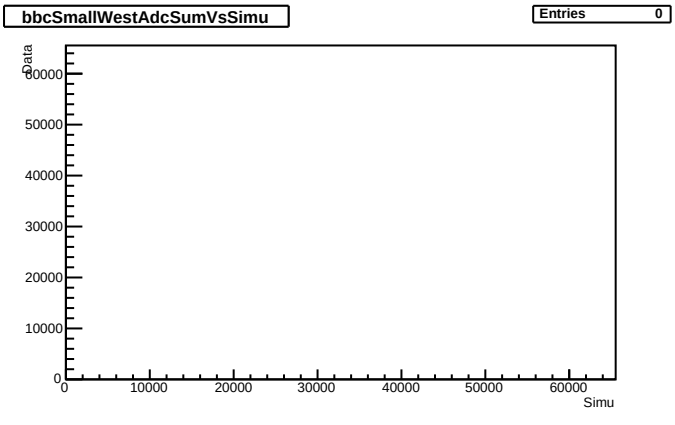
Simu


bbcSmallWestAdcSum
Entries 521244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Entries 0
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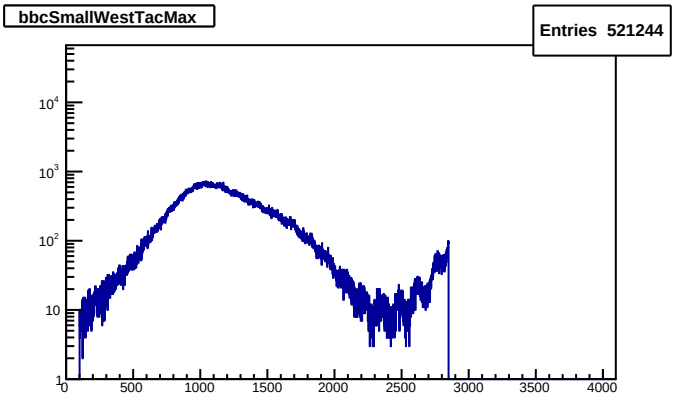
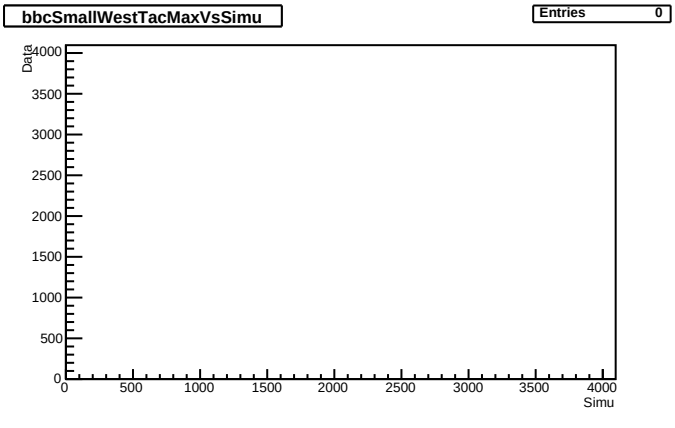
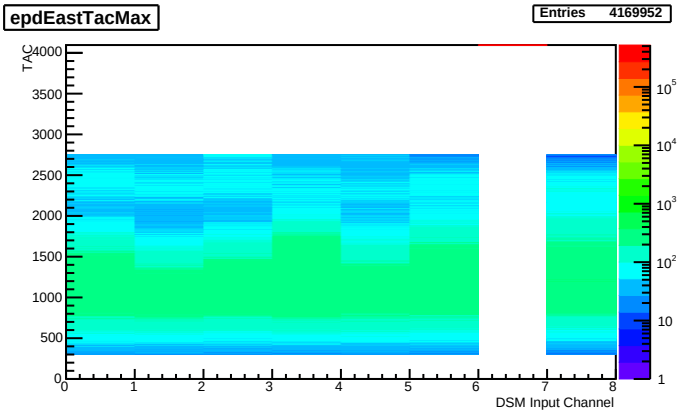
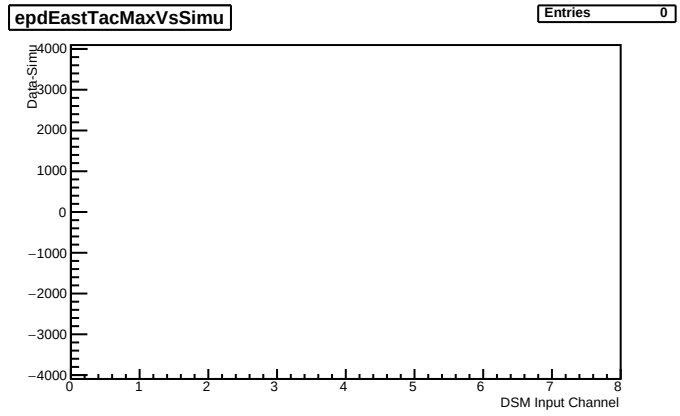
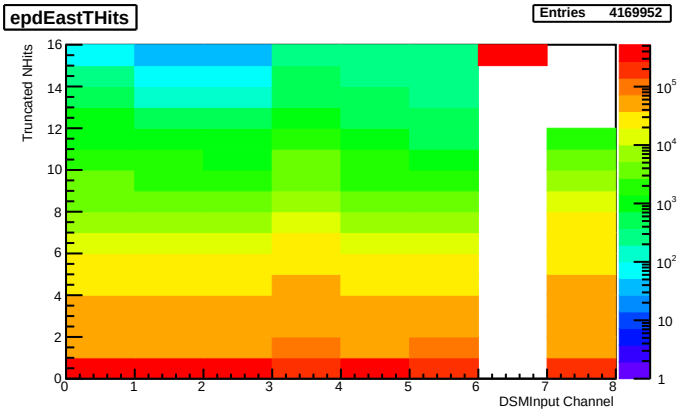
Simu

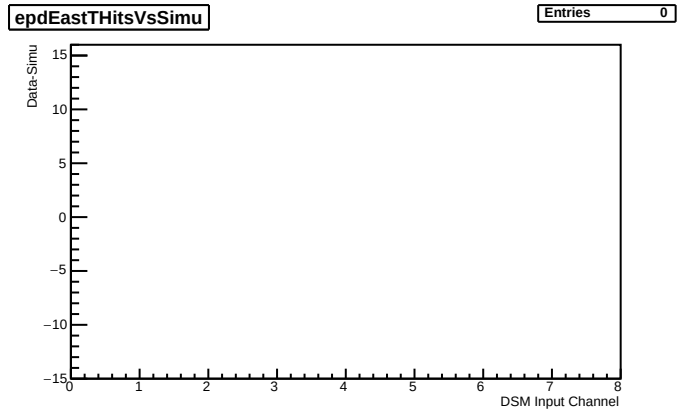

bbcSmallWestTacMax
Entries 521244


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 4169952
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4169952
Truncated NHits
DSMInput Channel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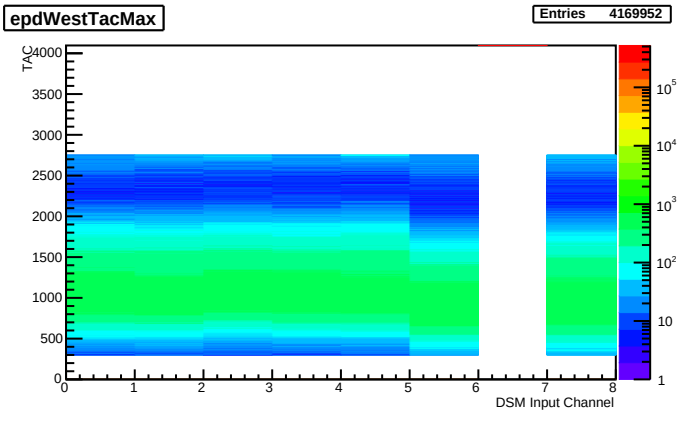
Data-Simu
DSM Input Channel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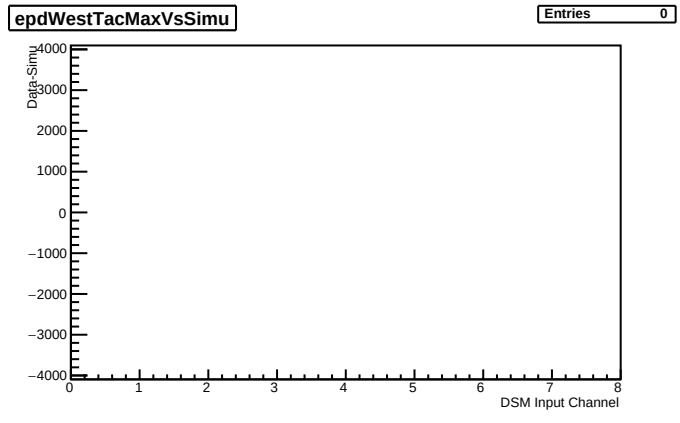
Entries 4169952
TAC
DSM Input Channel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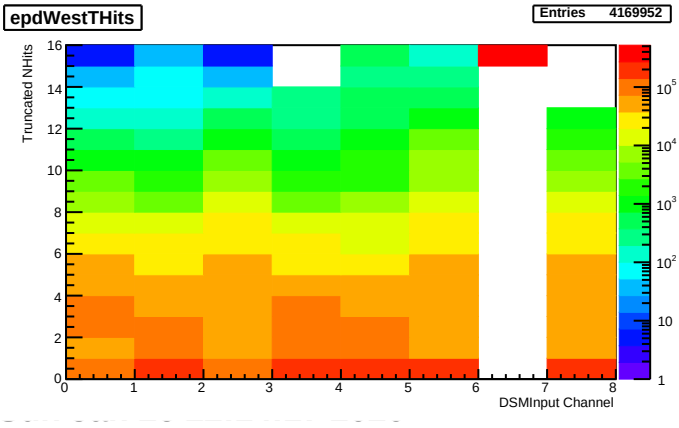
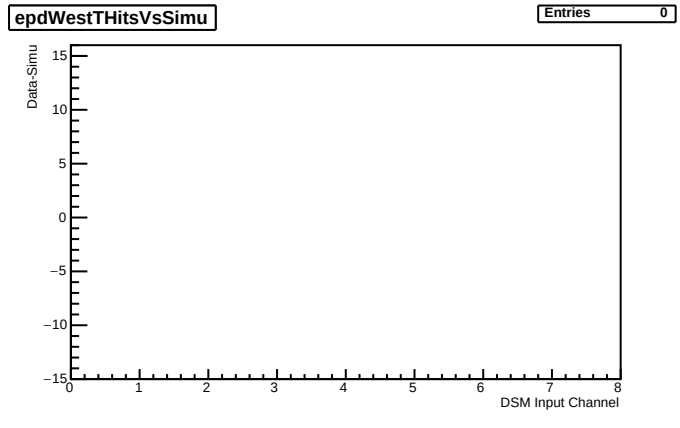
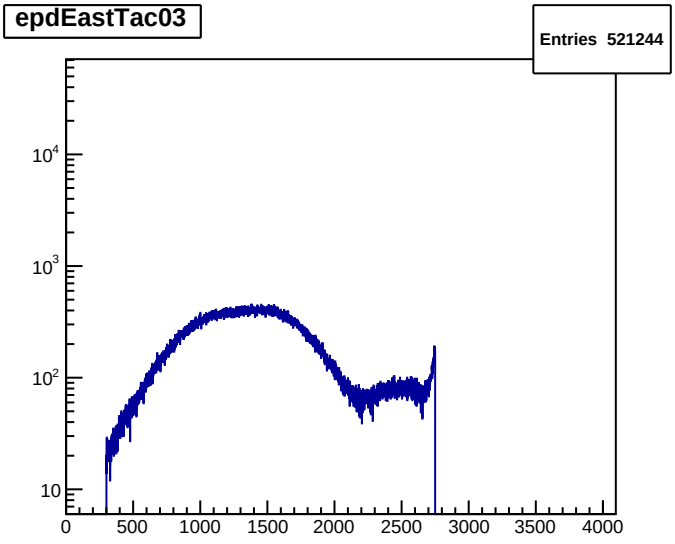
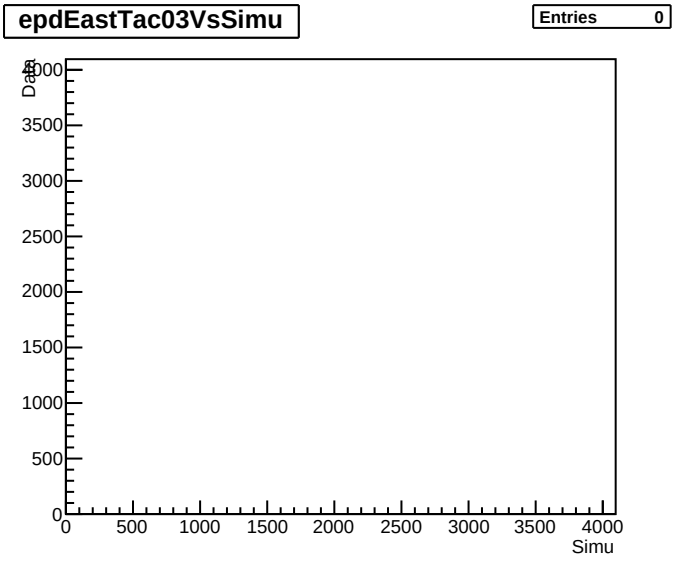
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 4169952
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 521244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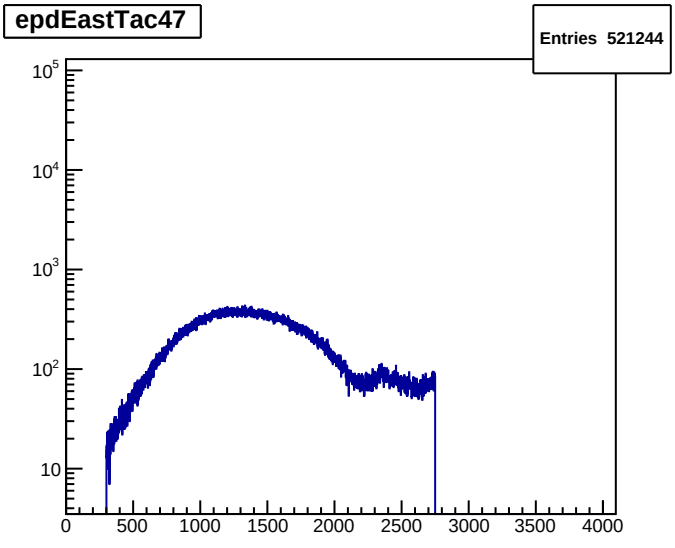
Entries 0
Data
Simu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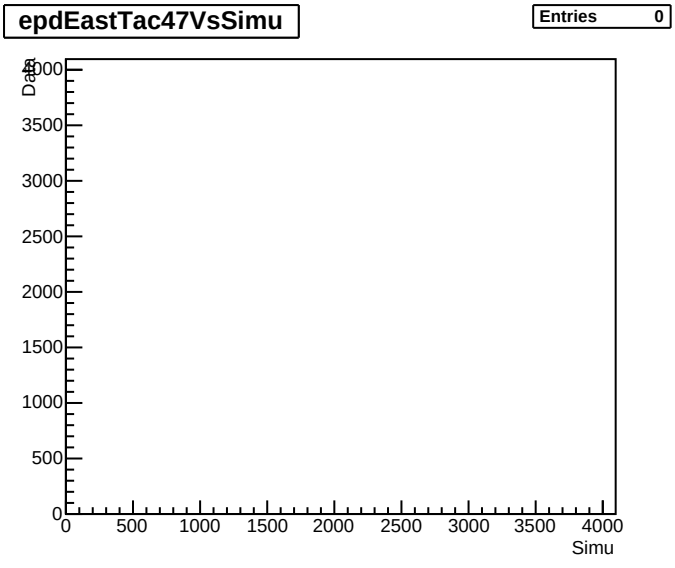
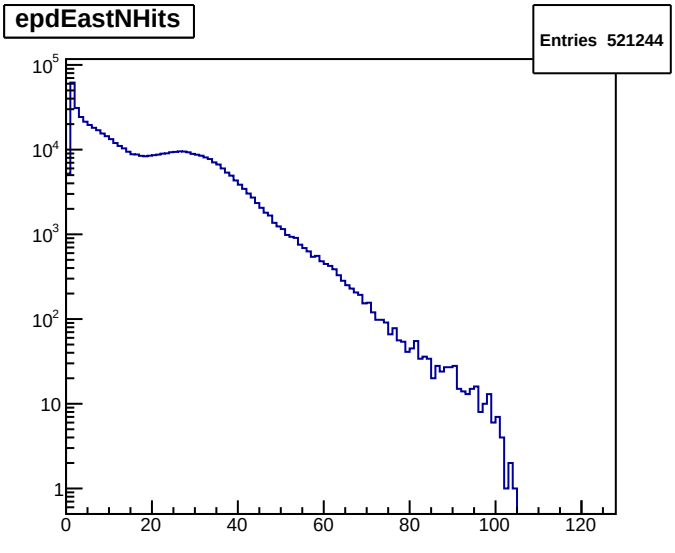
Entries 521244


epdEastTac47VsSimu
Entries 0
Data
Simu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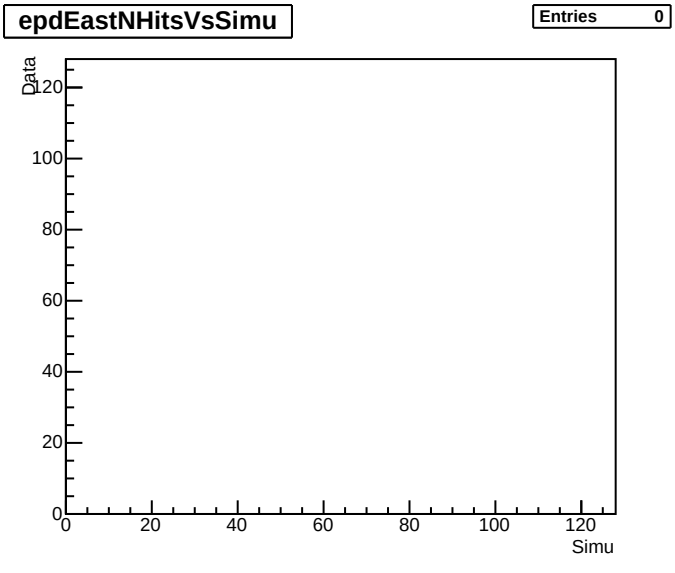
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Entries 0
Data
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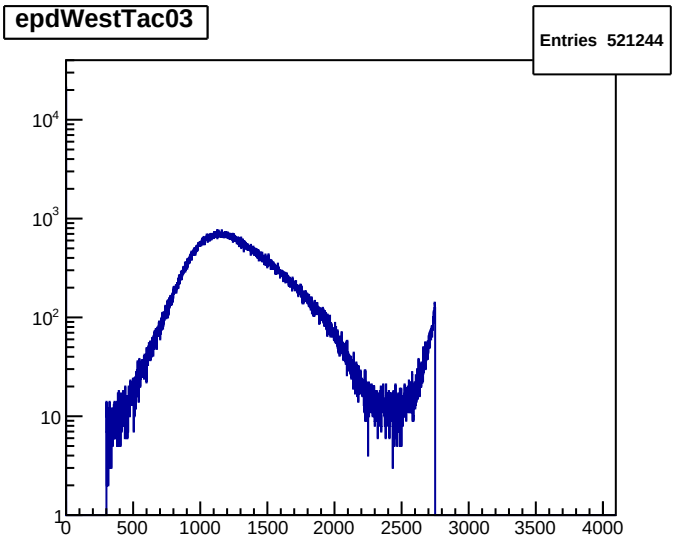
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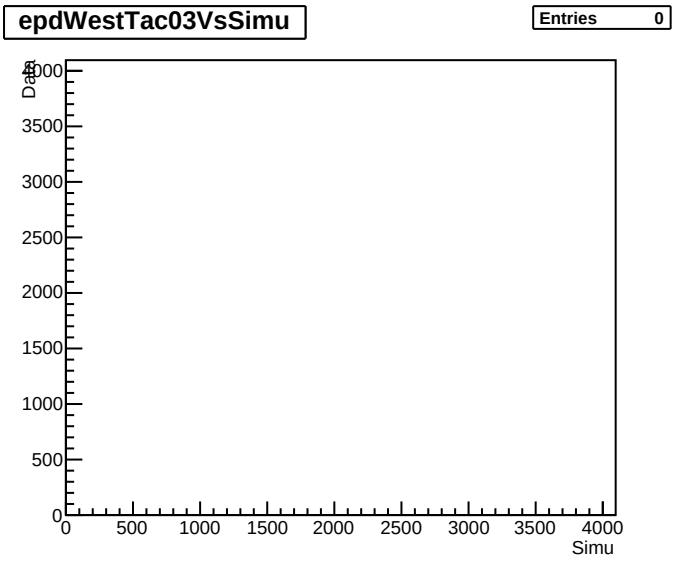
Entries 521244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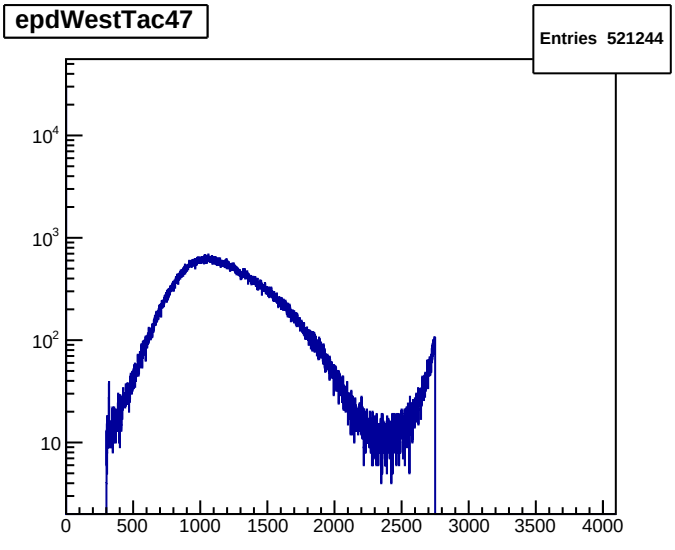
Entries 0
Data
Simu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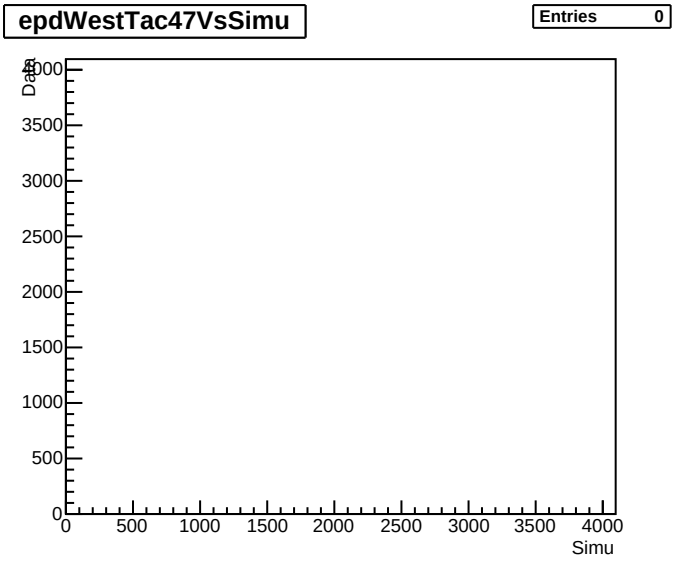
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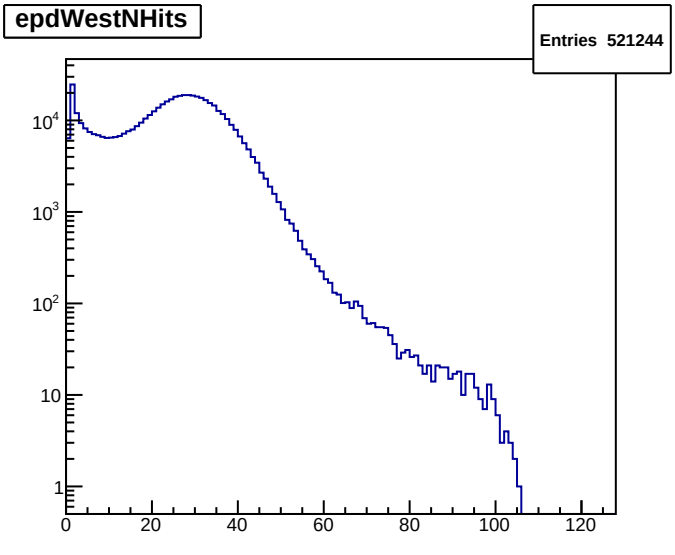
Data
Simu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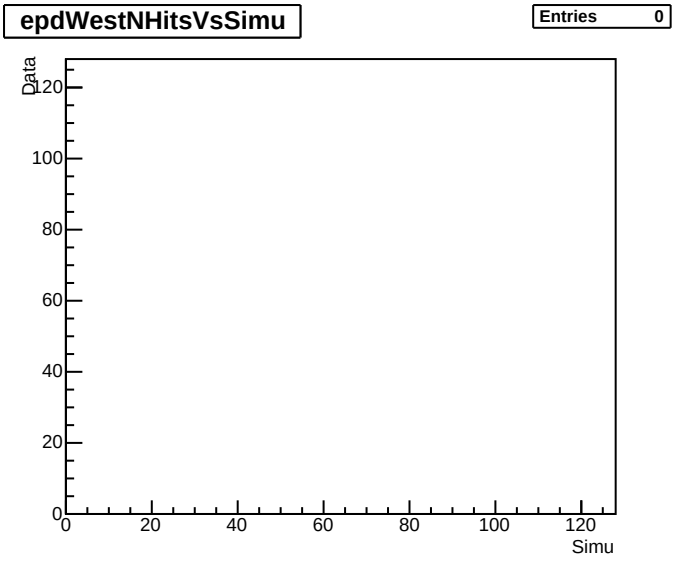
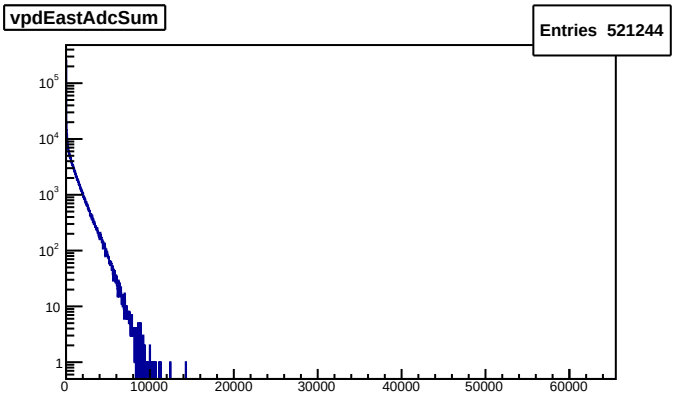
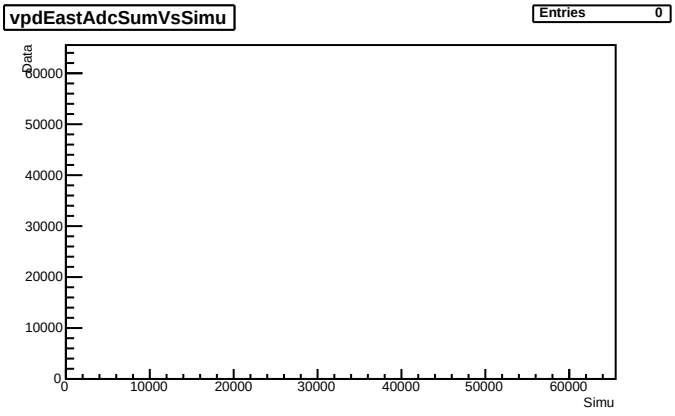
Entries 521244


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 521244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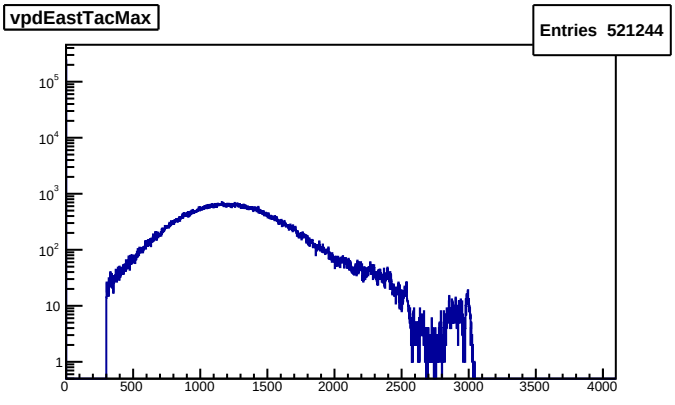
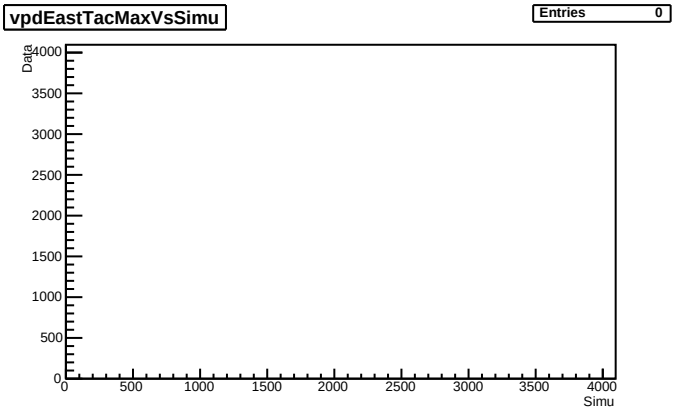
Entries 0
Data
Simu


vpdEastTacMax
Entries 521244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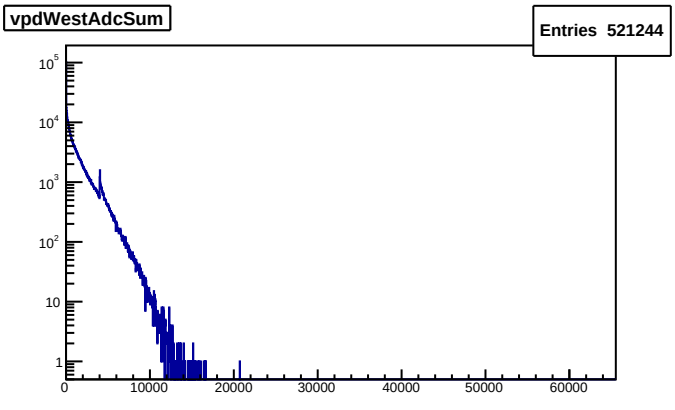
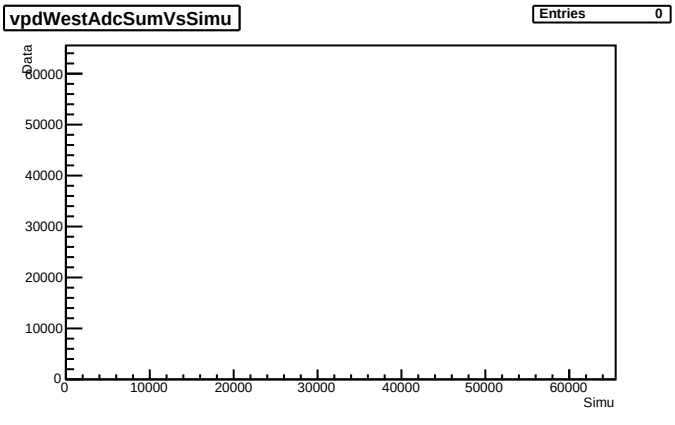
Entries 0
Data
Simu


vpdWestAdcSum
Entries 521244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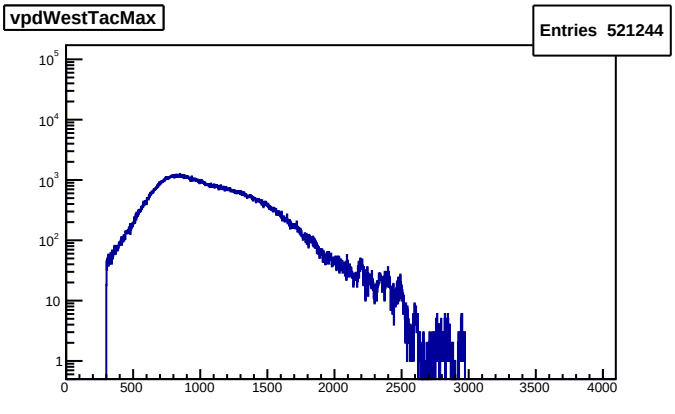
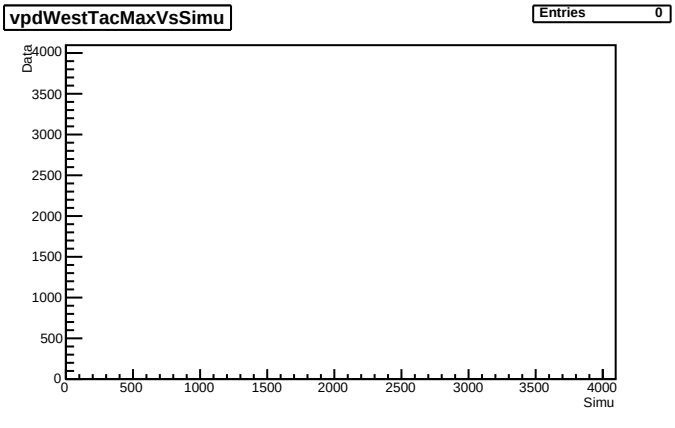
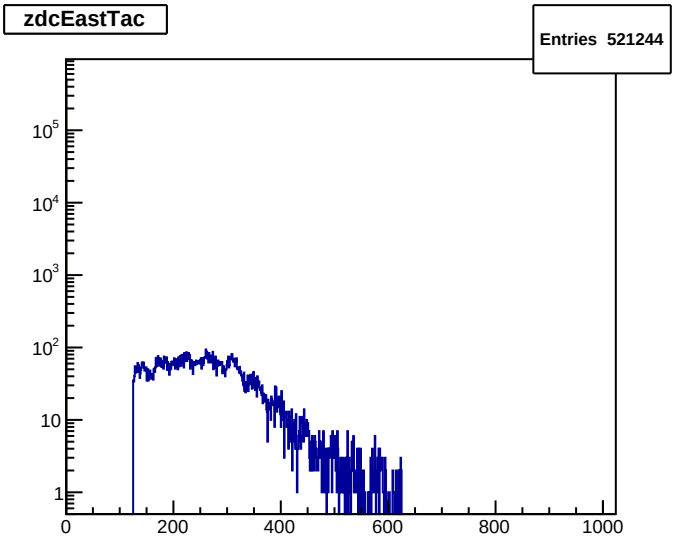
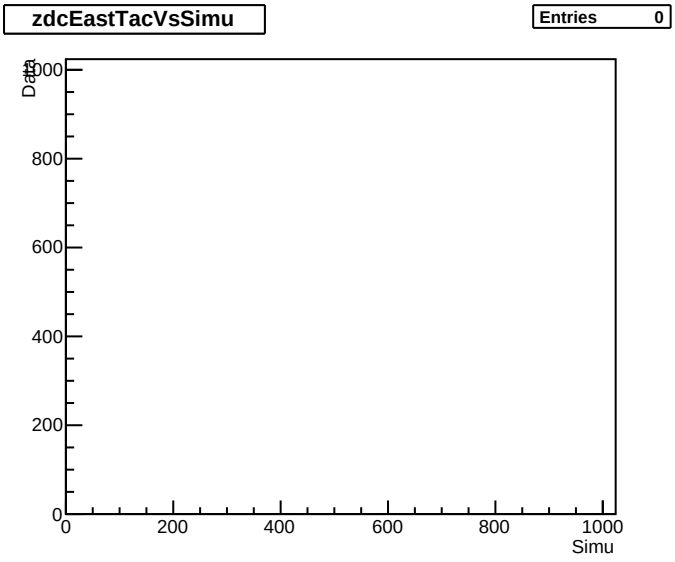
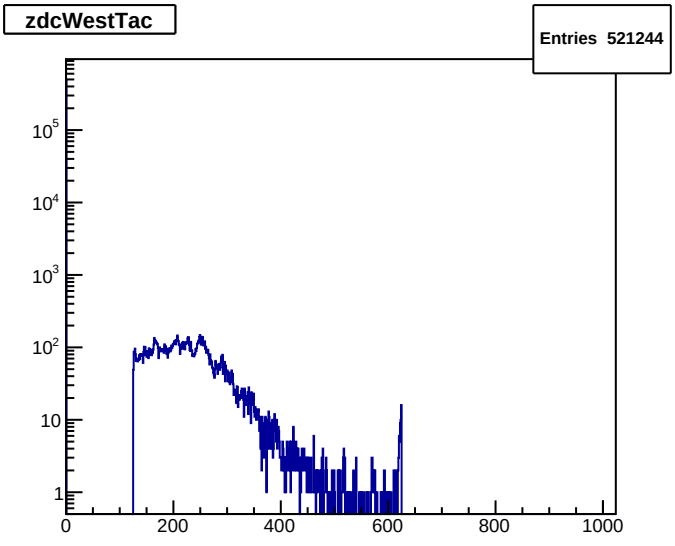
Entries 0
Data
Simu

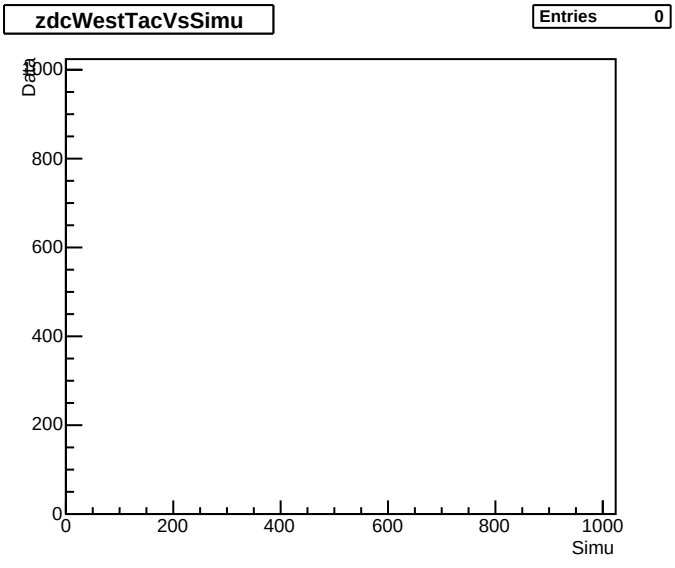

vpdWestTacMax
Entries 521244

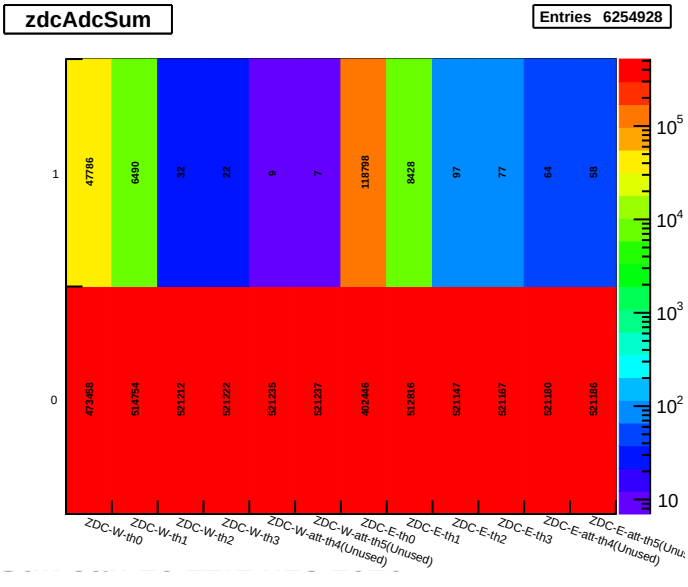

vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 521244


zdcEastTacVsSimu
Entries 0
Data
Simu


zdcWestTac
Entries 521244


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 6254928
47786
6490
32
22
9
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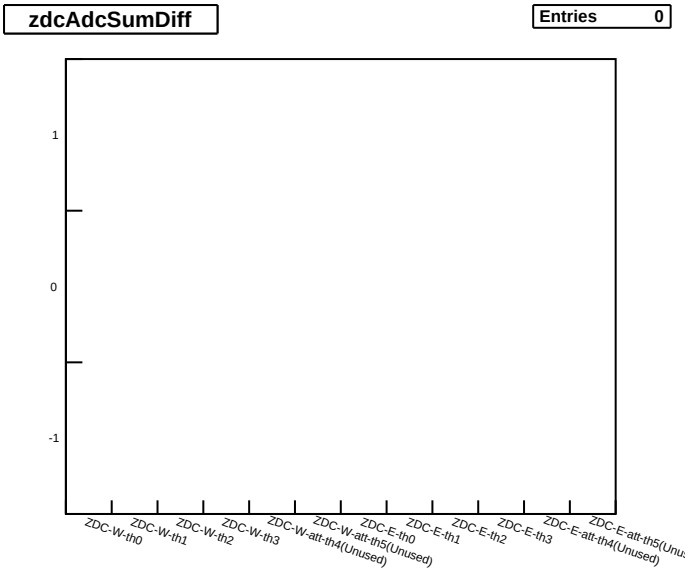
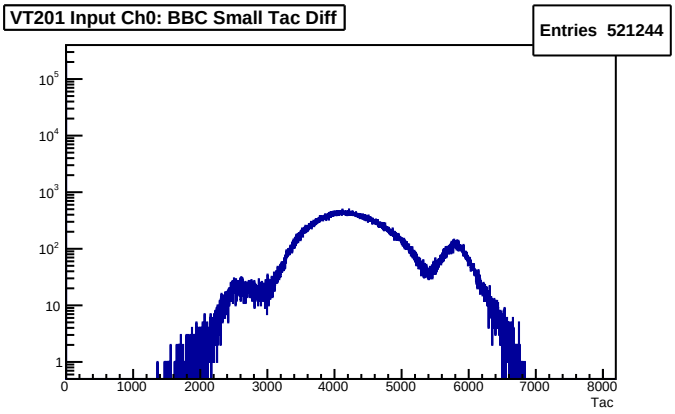
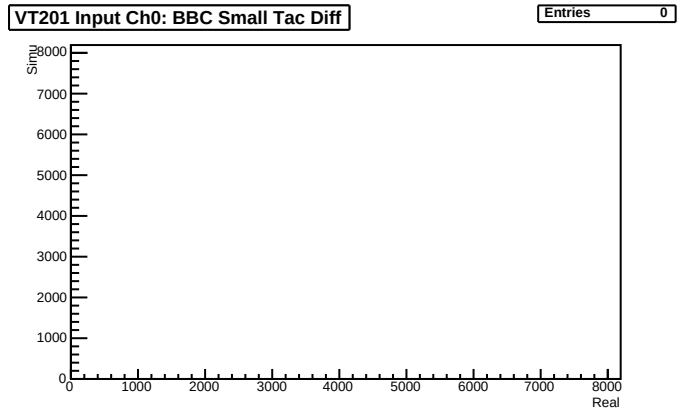
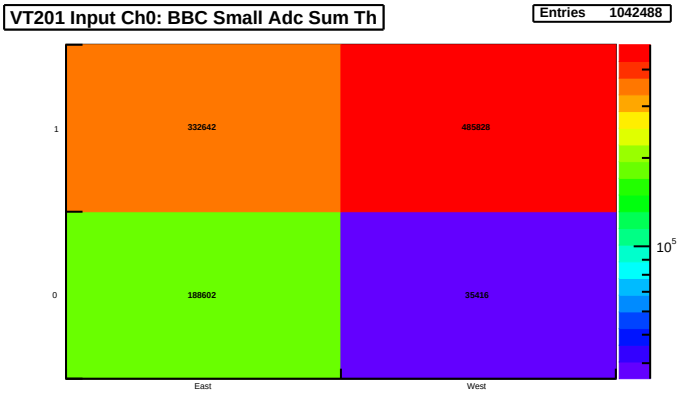
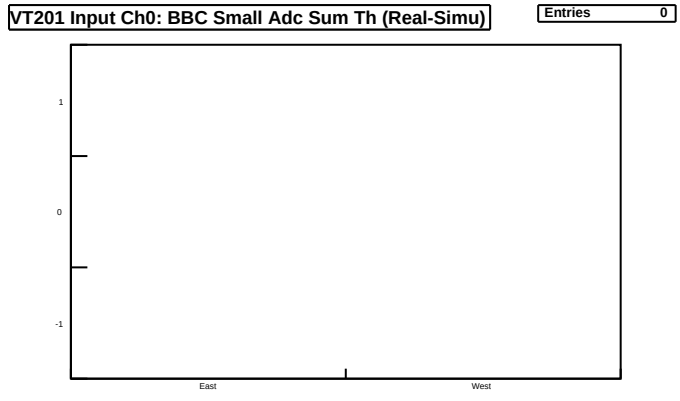
118798
8428
97
77
64
58
473458
514754
521212
521222
521235
521237
402446
512816
521147
521167
521180
521186
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

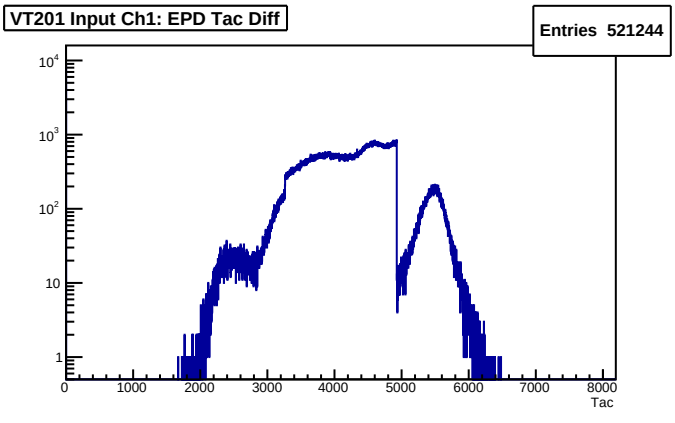

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

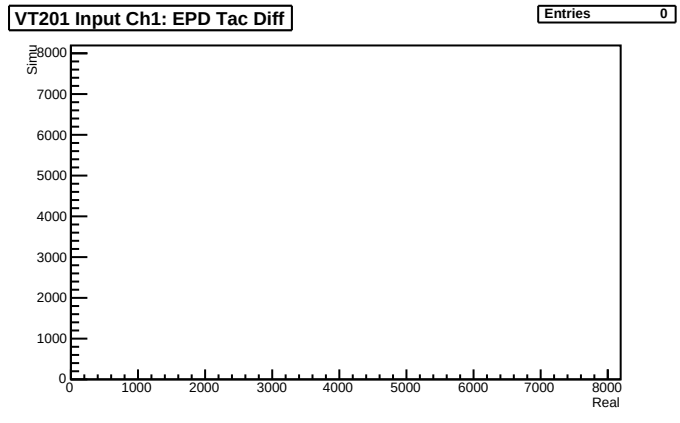

VT201 Input Ch0: BBC Small Tac Diff
Entries 521244
Tac

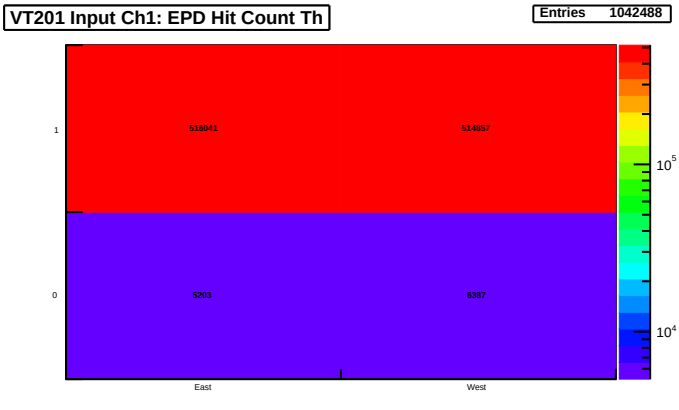

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

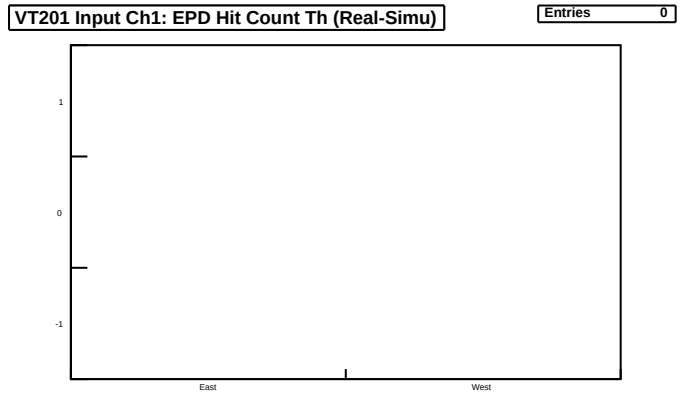

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1042488
332642
485828
188602
35416
East
West

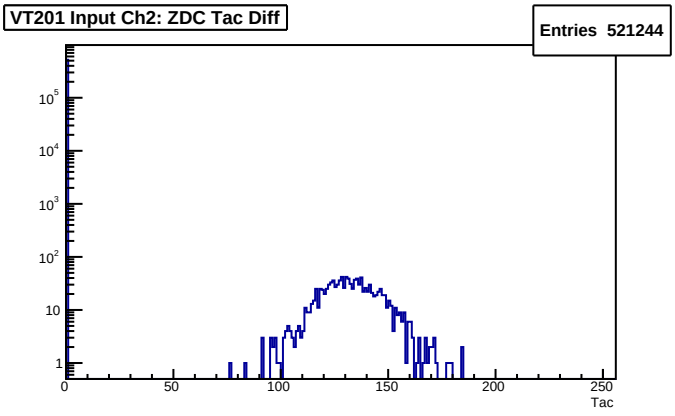

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

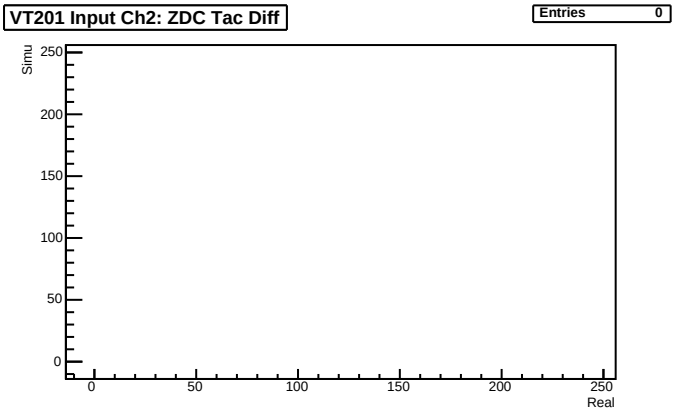

VT201 Input Ch1: EPD Tac Diff
Entries 521244
Tac

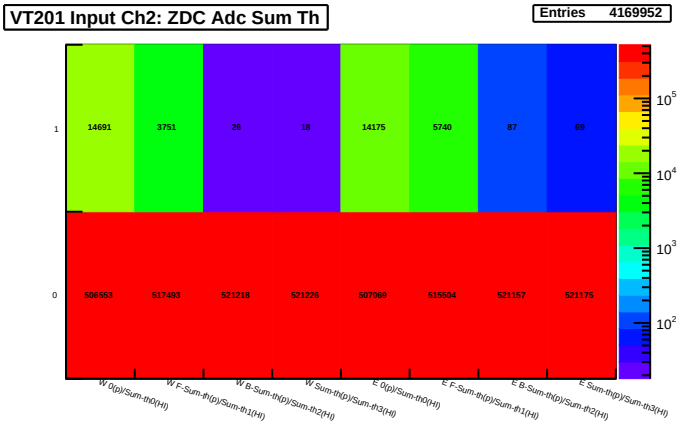

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

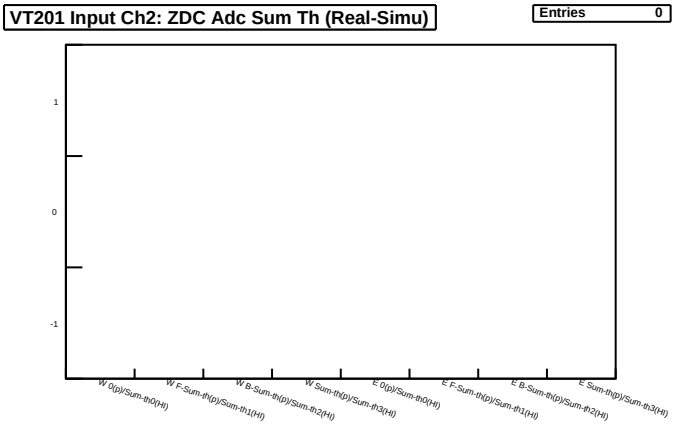

VT201 Input Ch1: EPD Hit Count Th
Entries 1042488
516041
514857
5203
6387
East
West

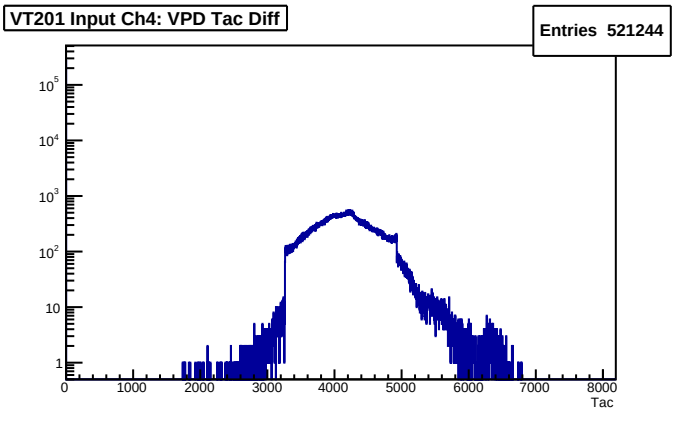

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

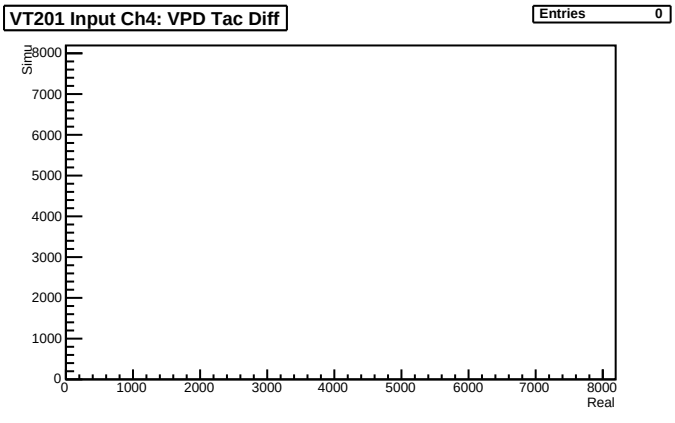

VT201 Input Ch2: ZDC Tac Diff
Entries 521244
Tac

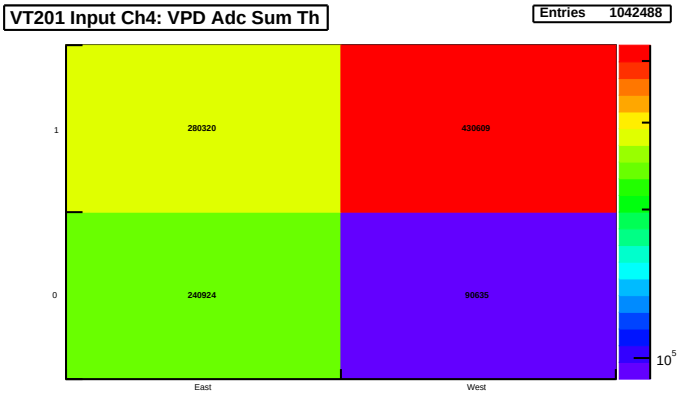

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

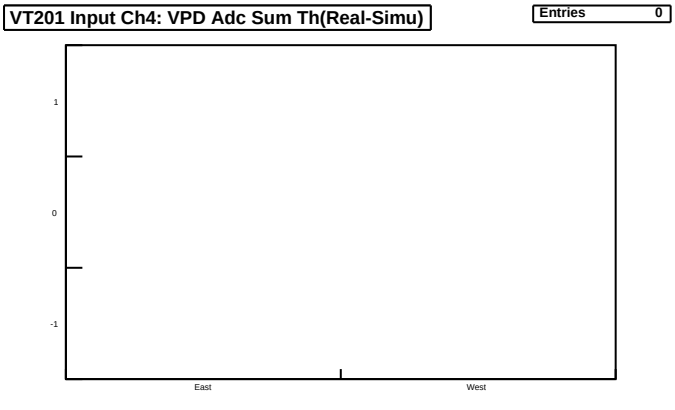

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4169952
14691
3751
26
18
14175
5740
87
69
506553
517493
521218
521226
507069
515504
521157
521175
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

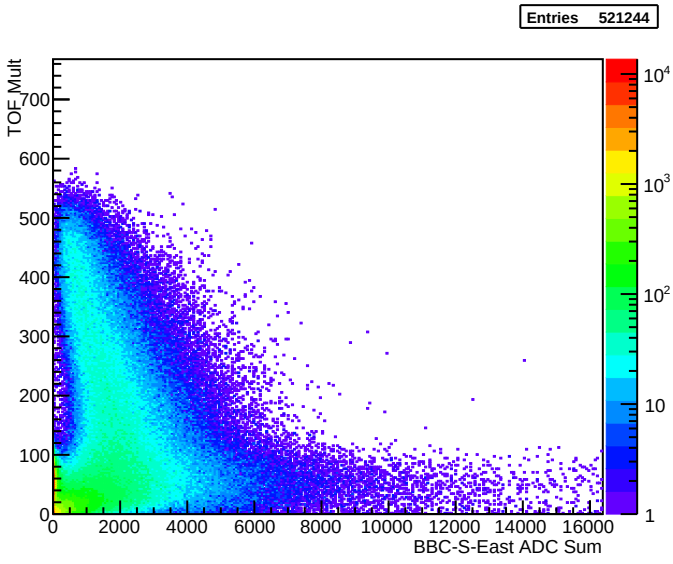

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

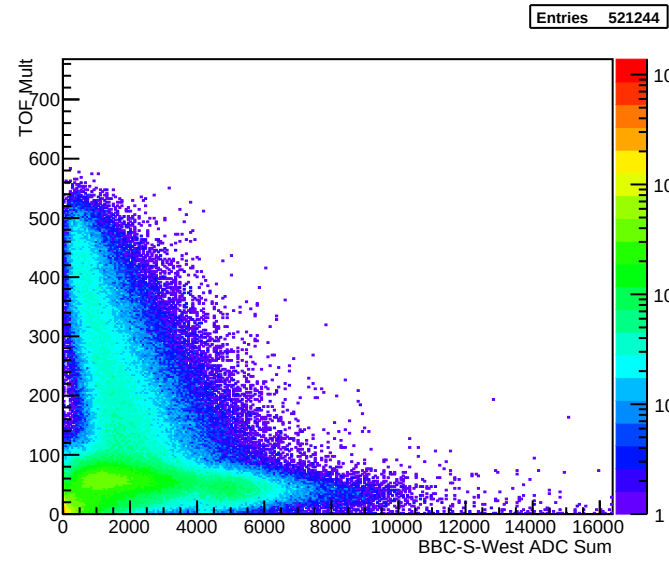

VT201 Input Ch4: VPD Tac Diff
Entries 521244
Tac

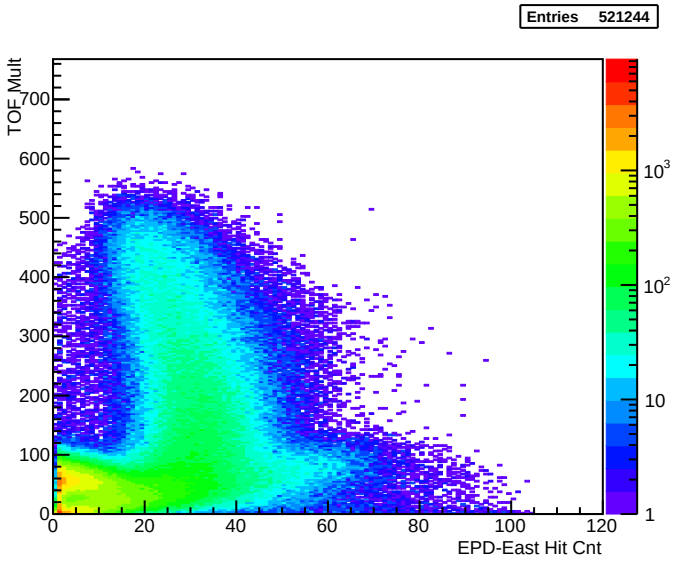

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

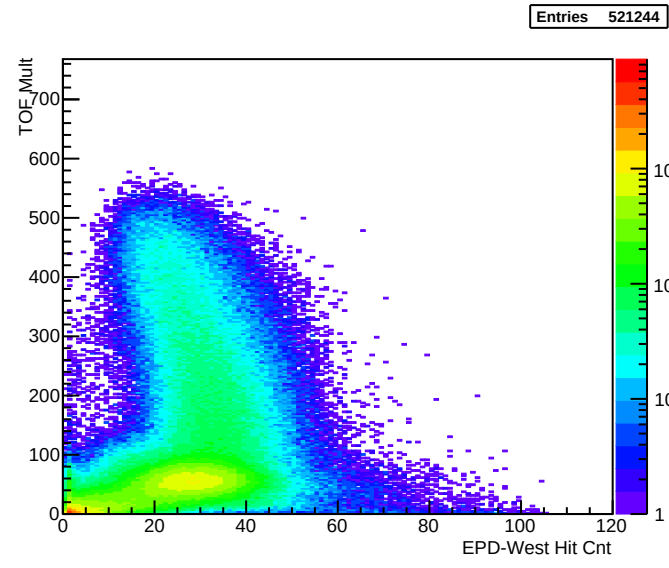

VT201 Input Ch4: VPD Adc Sum Th
Entries 1042488
280320
430609
240924
90635
East
West

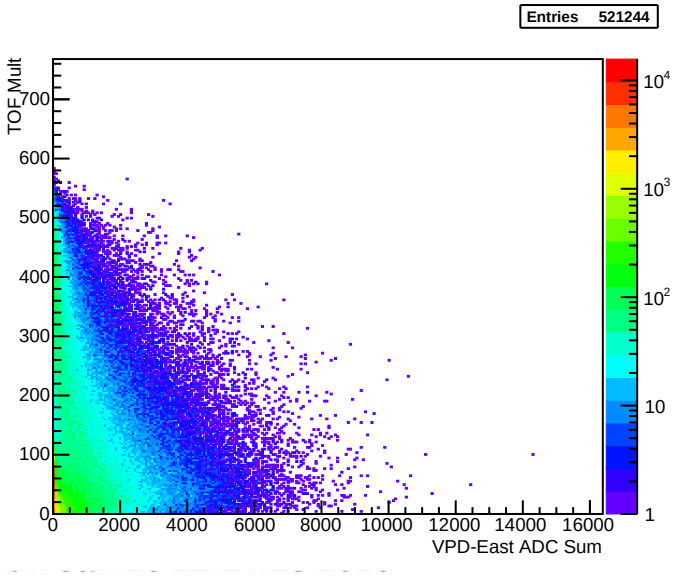

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

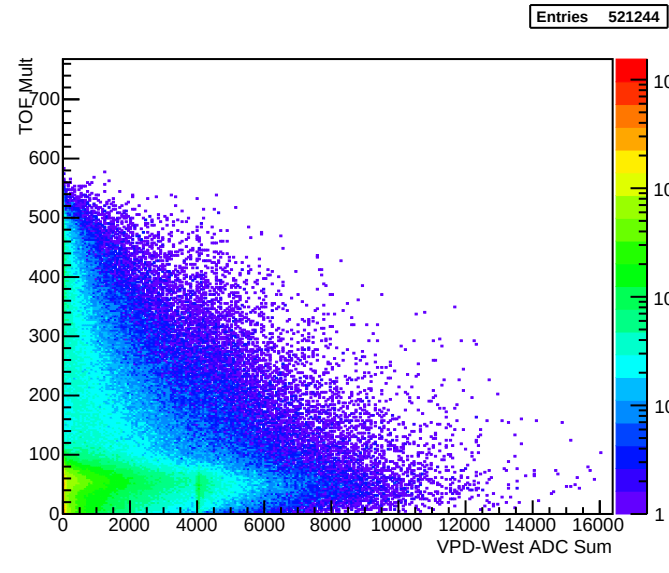

Entries 521244
TOF_Mult
BBC-S-East ADC Sum

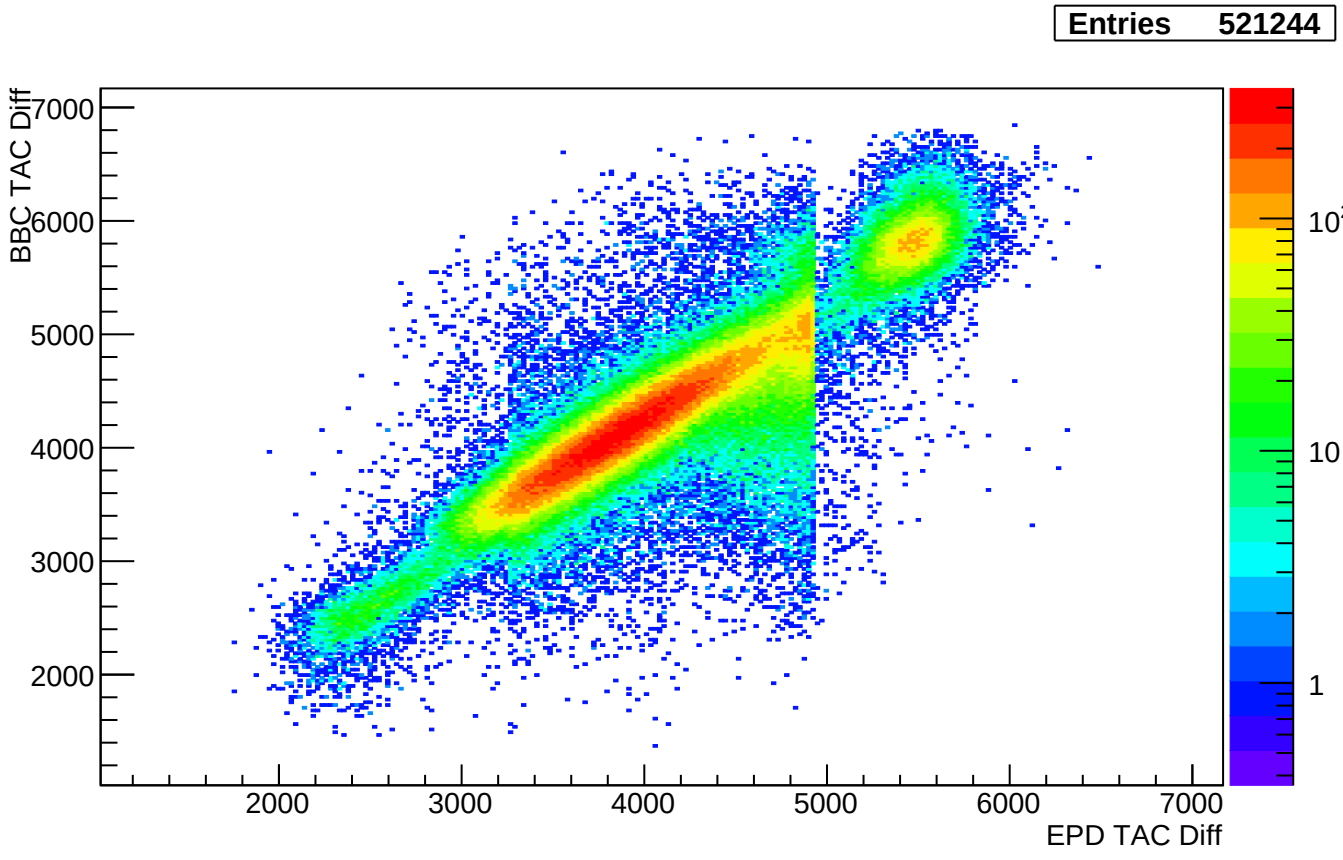

Entries 521244
TOF_Mult
BBC-S-West ADC Sum

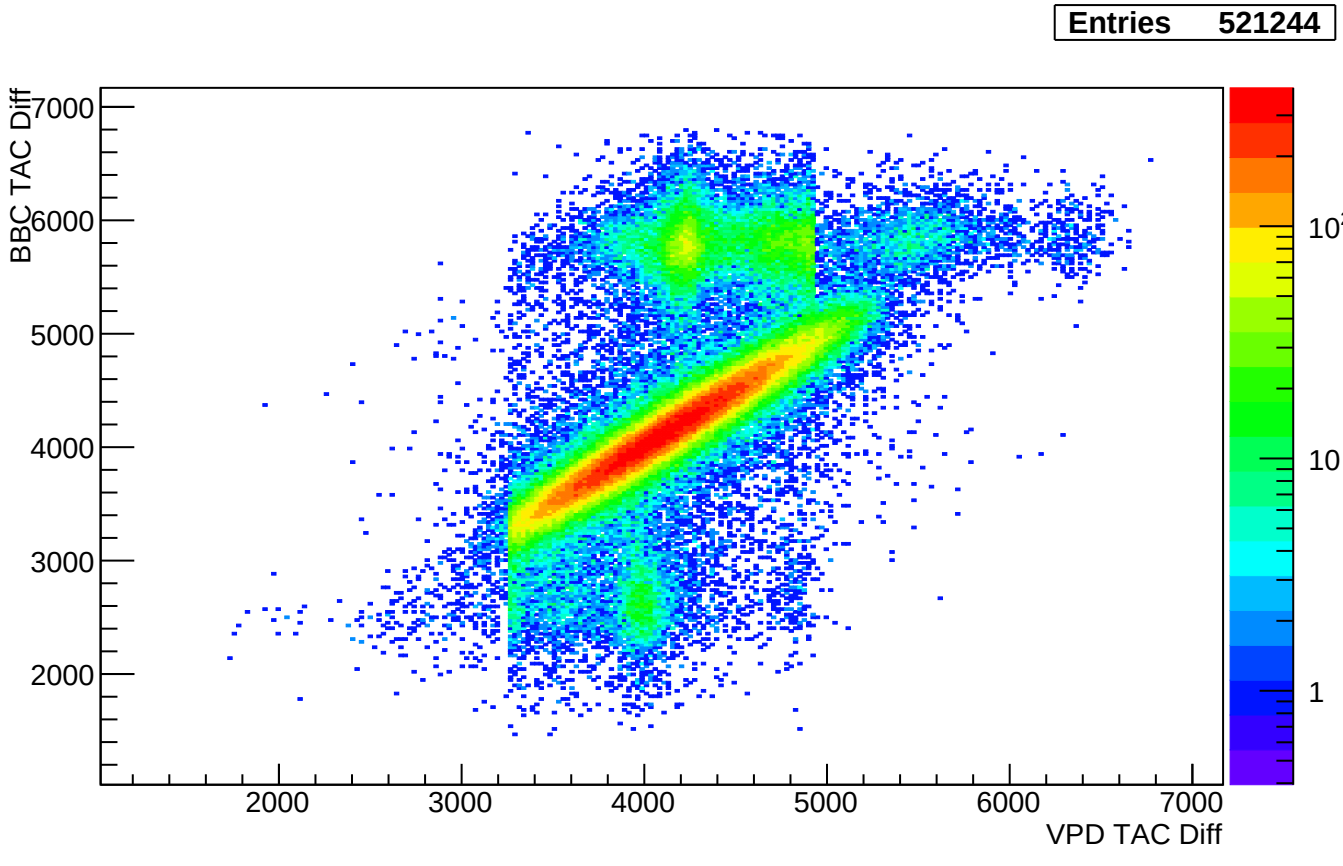

Entries 521244
TOF_Mult
EPD-East Hit Cnt

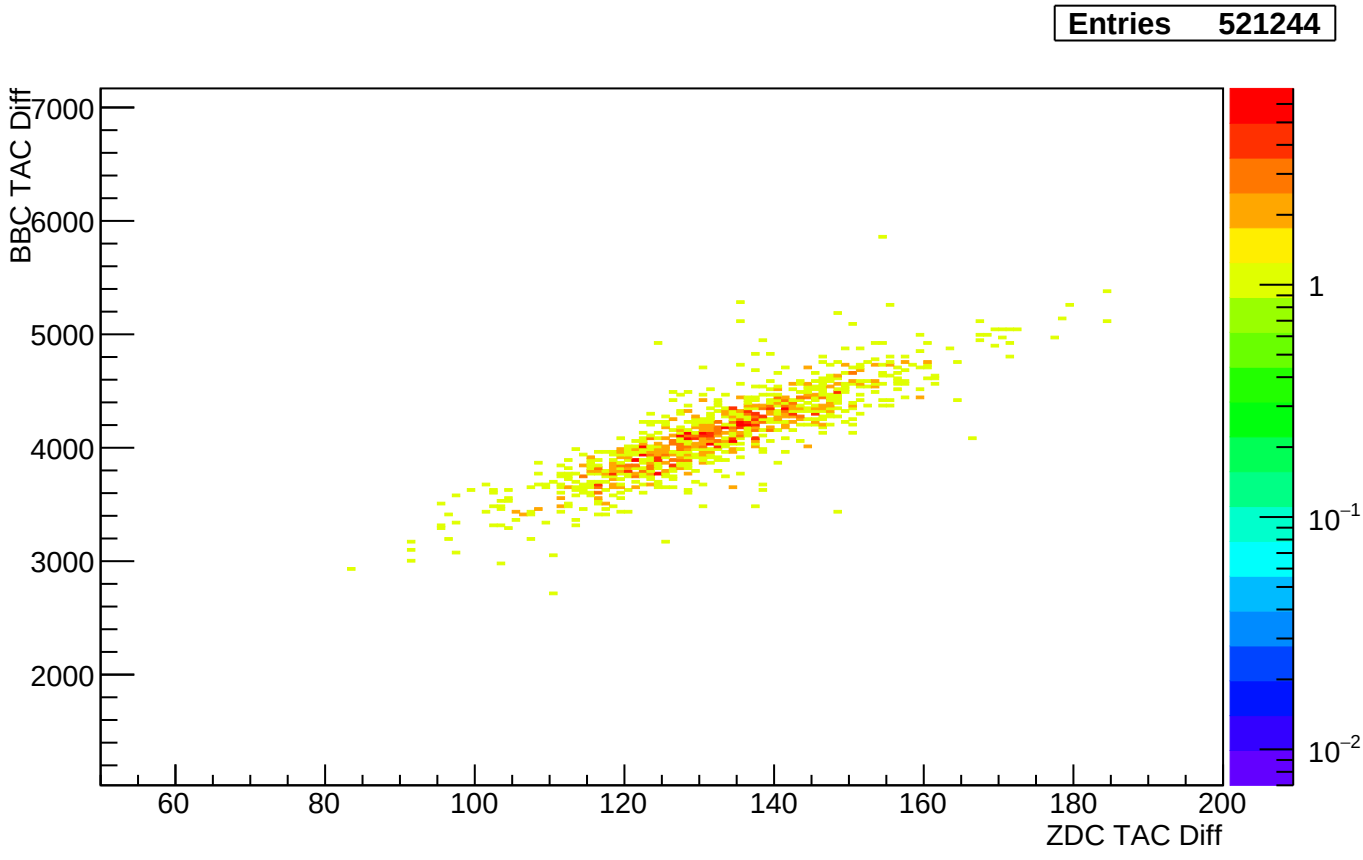

Entries 521244
TOF_Mult
EPD-West Hit Cnt

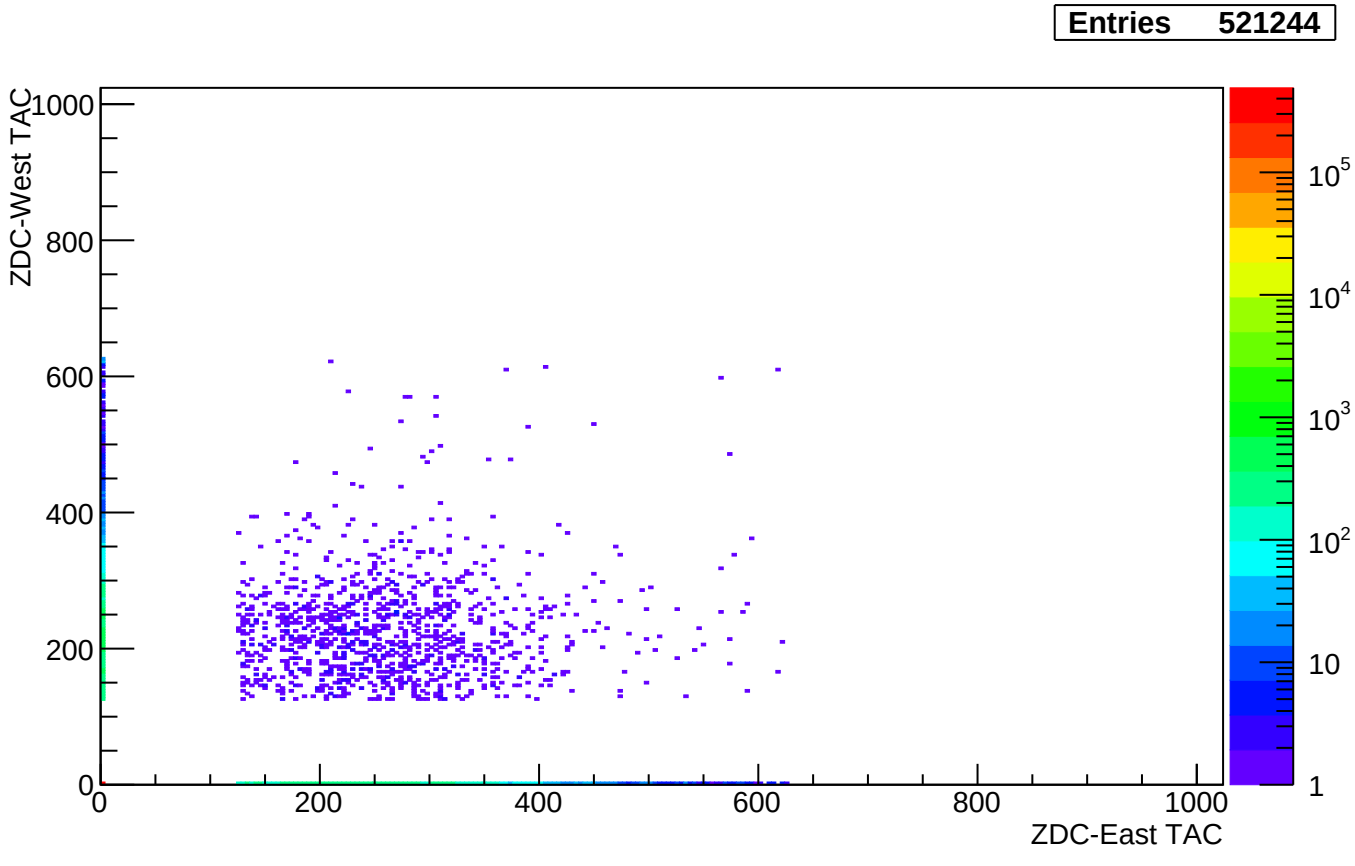

Entries 521244
TOF_Mult
VPD-East ADC Sum

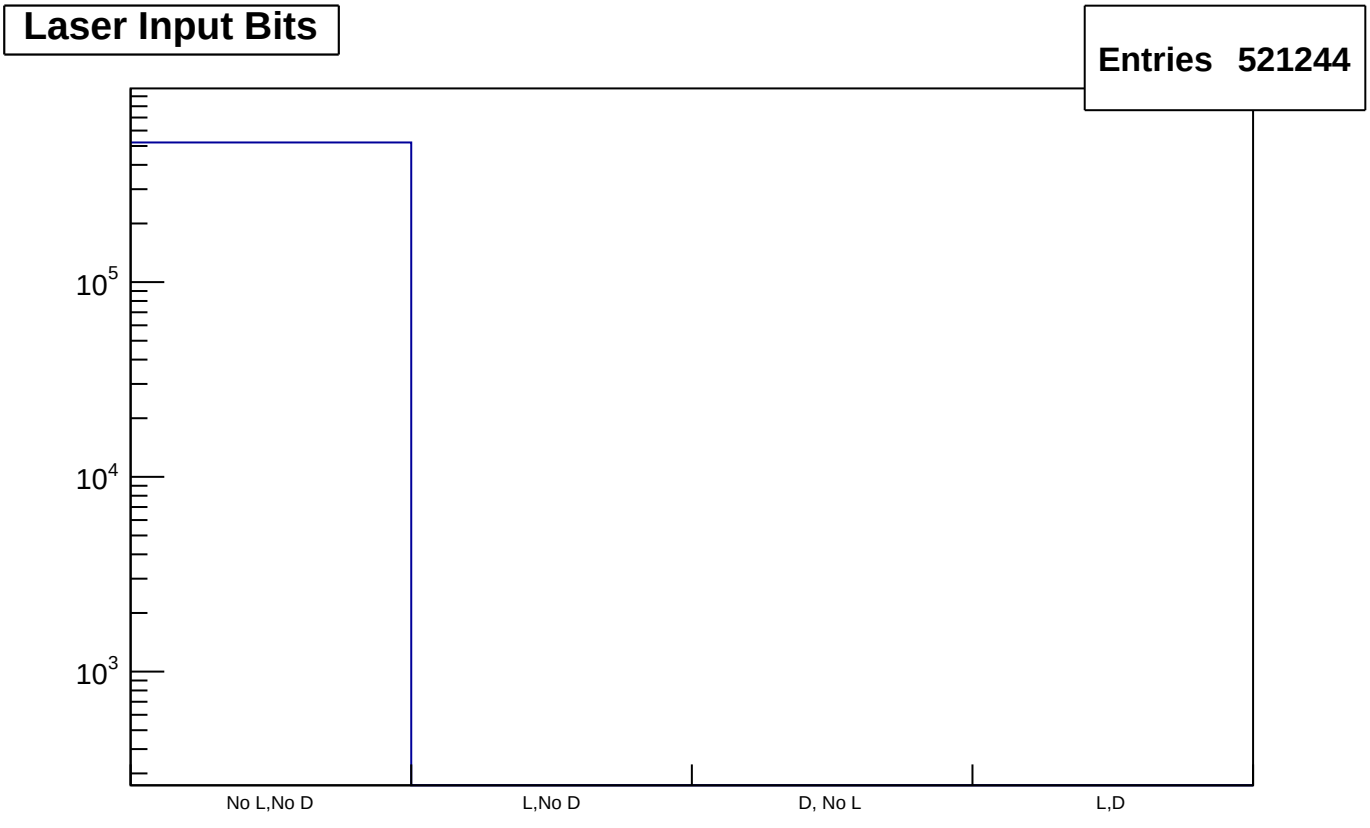

Entries 521244
TOF_Mult
VPD-West ADC Sum

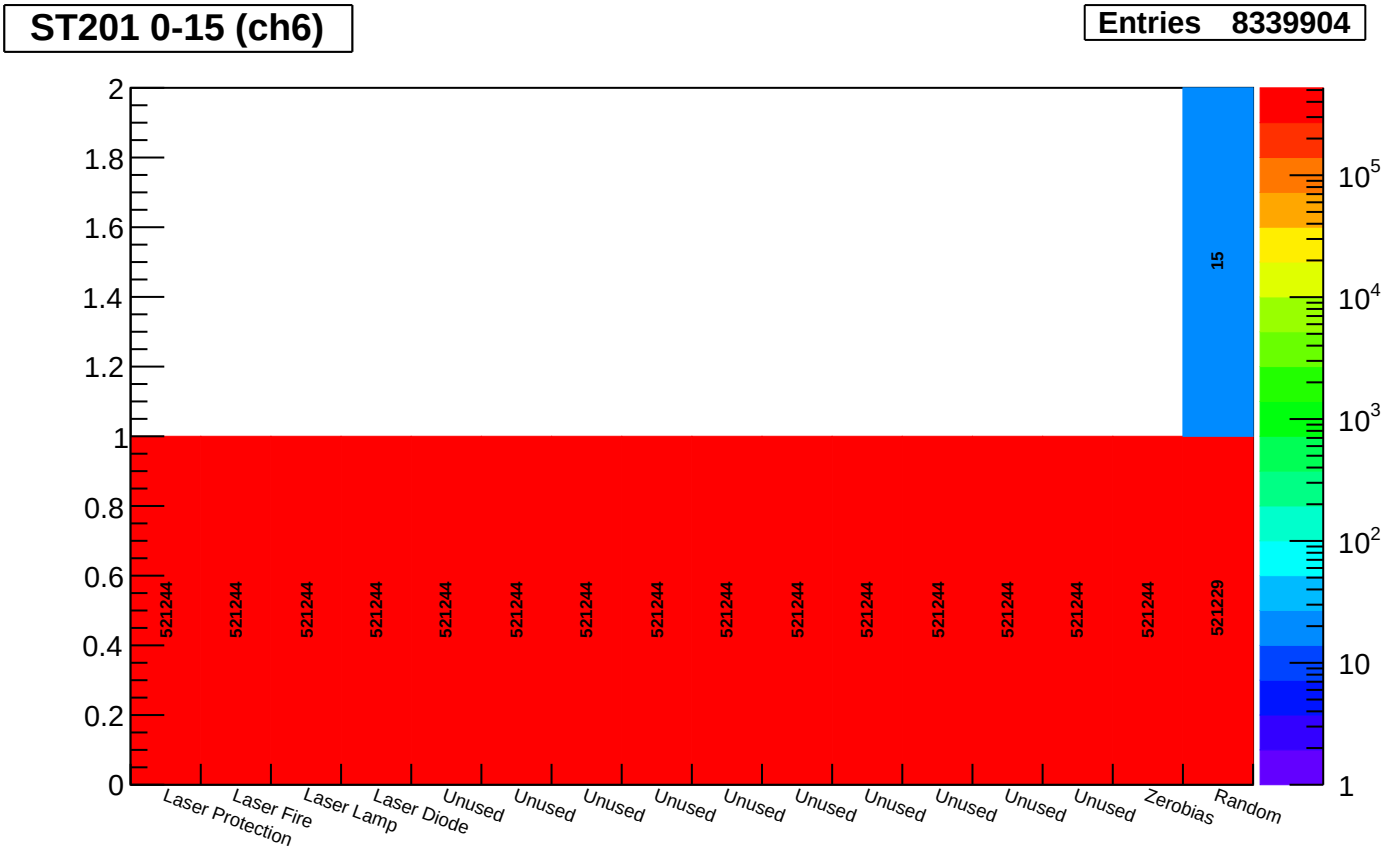

Entries 521244
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

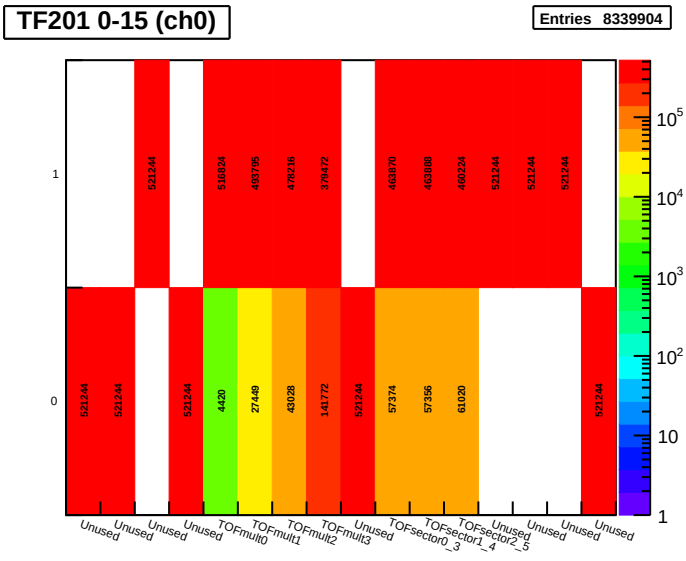

Entries 521244
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

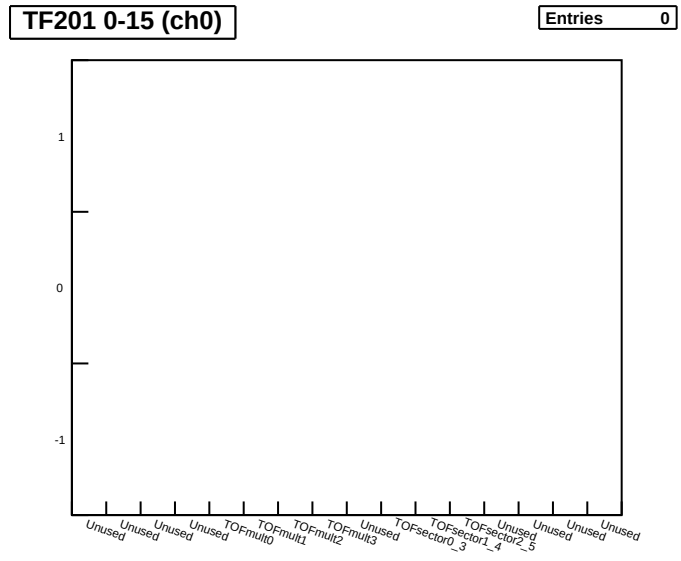

Entries 521244
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

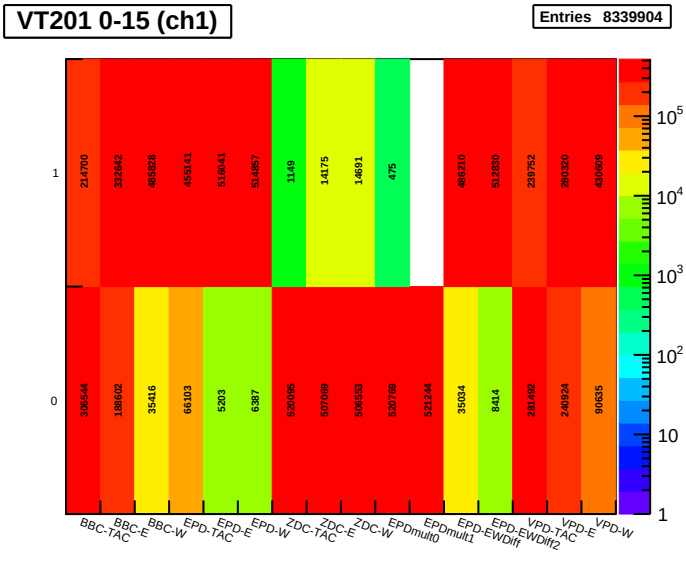

Entries 521244
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

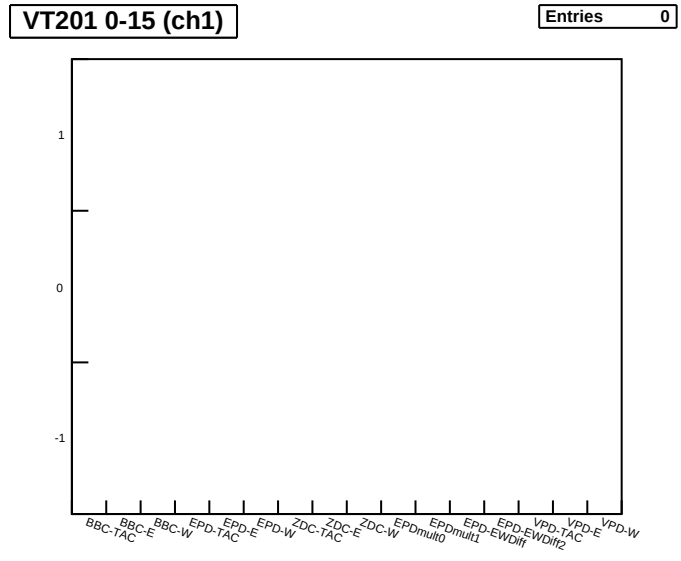

Laser Input Bits
Entries 521244
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

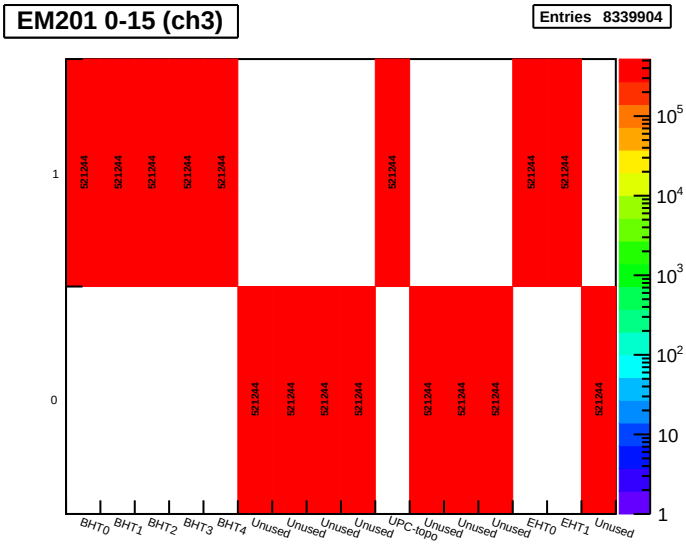

ST201 0-15 (ch6)
Entries 8339904
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
15
521244
521229
10^5
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

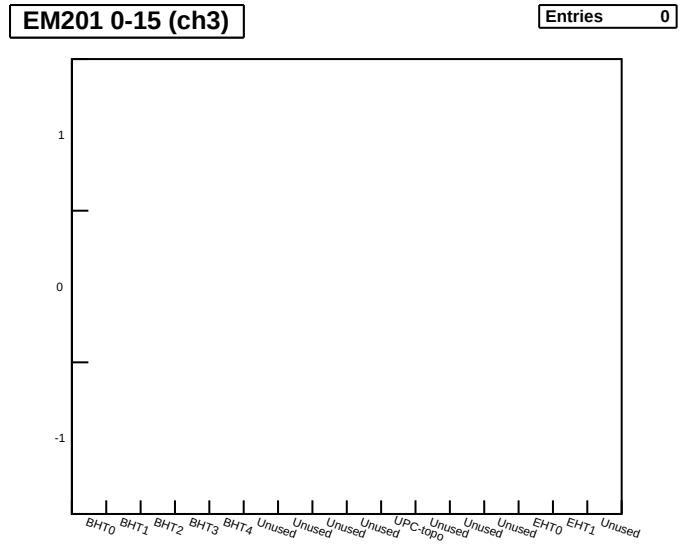

TF201 0-15 (ch0)
Entries 8339904
1
0
521244
516824
493795
478216
379472
463970
463988
460324
521244
521244
521244
521244
521244
521244
4420
27449
43028
141772
521244
57374
57356
61020
521244
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 8339904
1
0
214700
332642
485828
455141
516041
514857
1149
14175
14691
475
486210
512830
239752
280320
430609
306544
188602
35416
66103
5203
6387
520095
507069
506553
520769
521244
35034
8414
281492
240924
90635
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 8339904
1
0
521244
521244
521244
521244
521244
521244
521244
521244
521244
521244
521244
521244
521244
521244
521244
521244
521244
521244
521244
521244
521244
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