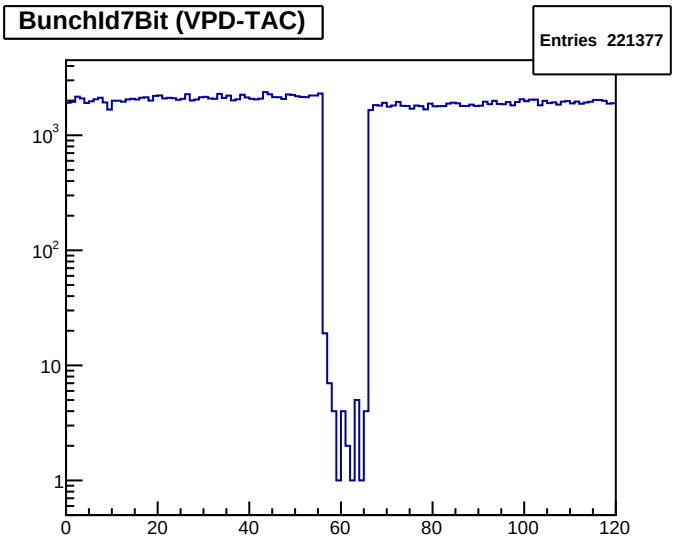
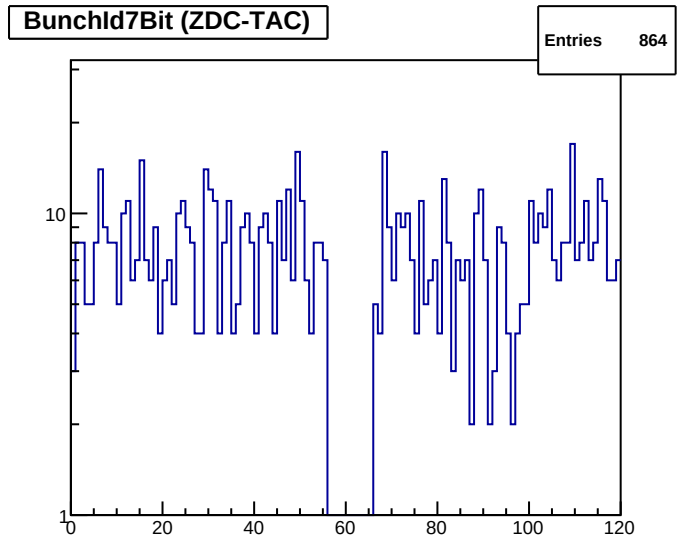
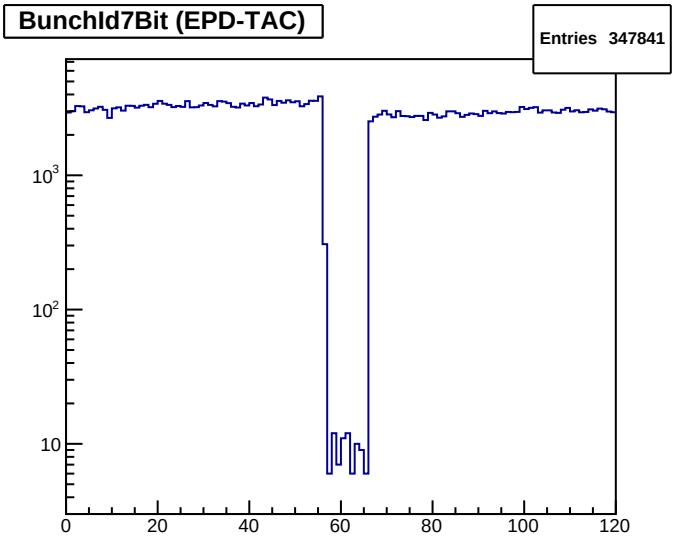
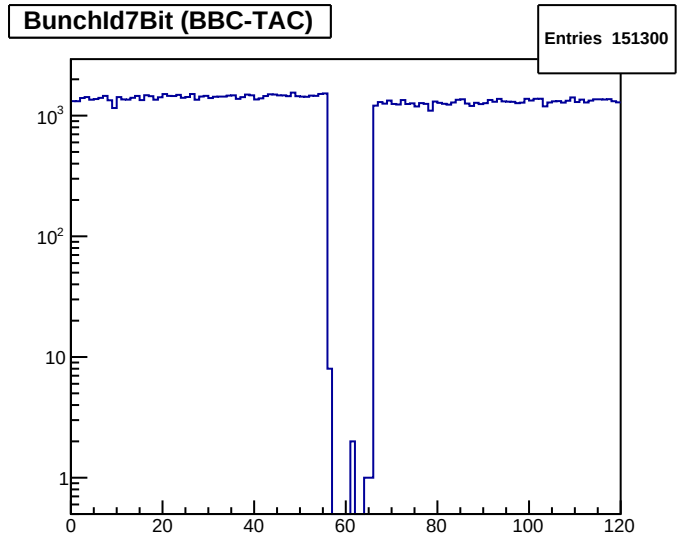
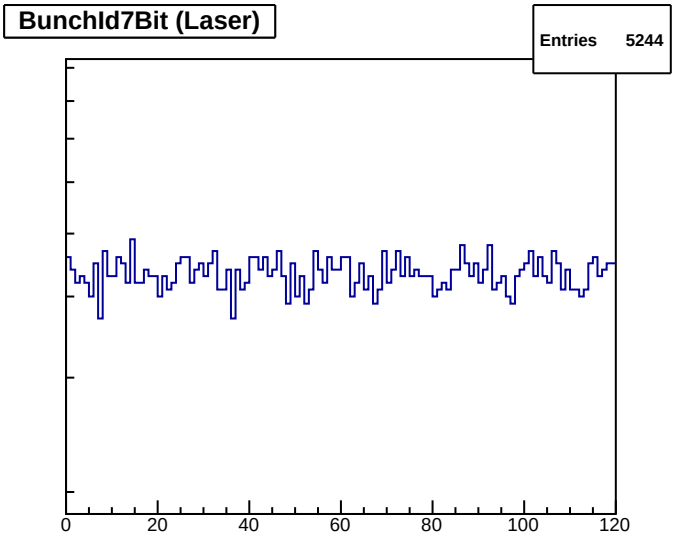
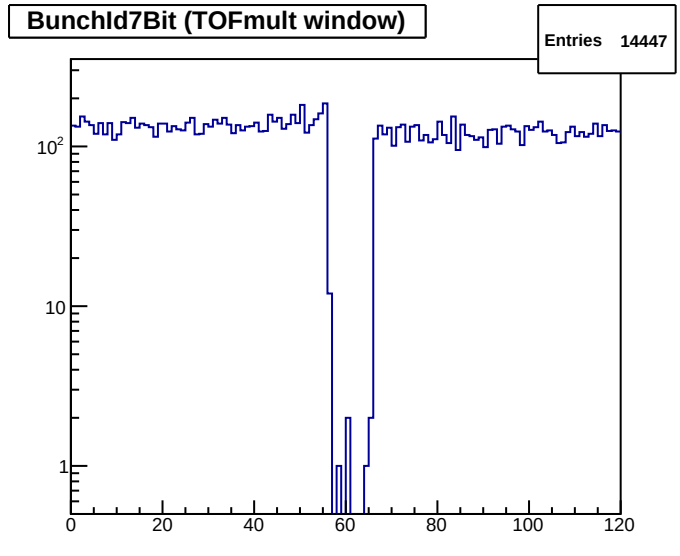

BunchId7Bit (VPD-TAC)
Entries 221377
10^3
10^2
10
1
0
20
40
60
80
100
120

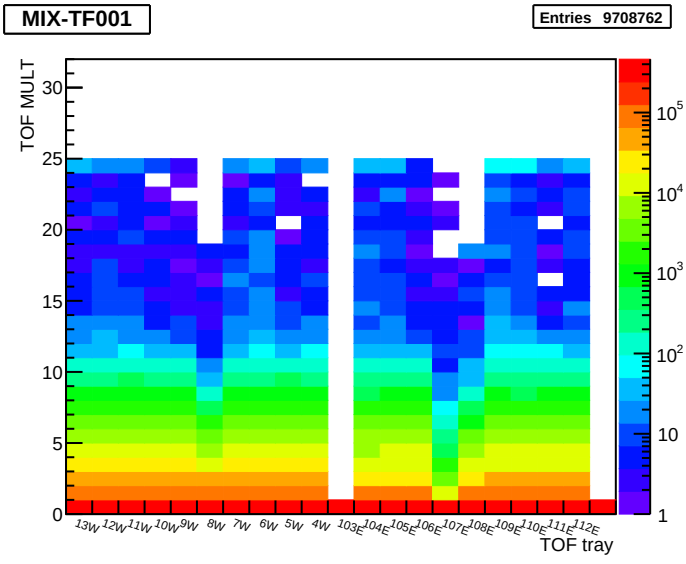

BunchId7Bit (ZDC-TAC)
Entries 864
10
1
0
20
40
60
80
100
120

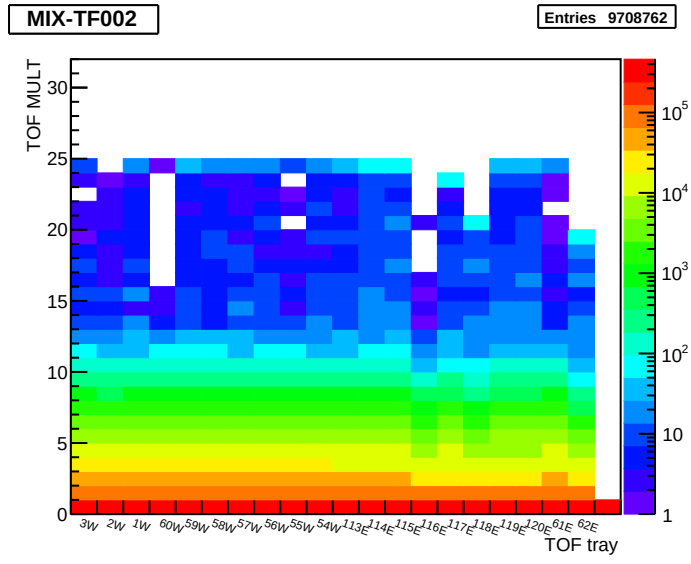

BunchId7Bit (EPD-TAC)
Entries 347841
10^3
10^2
10
0
20
40
60
80
100
120

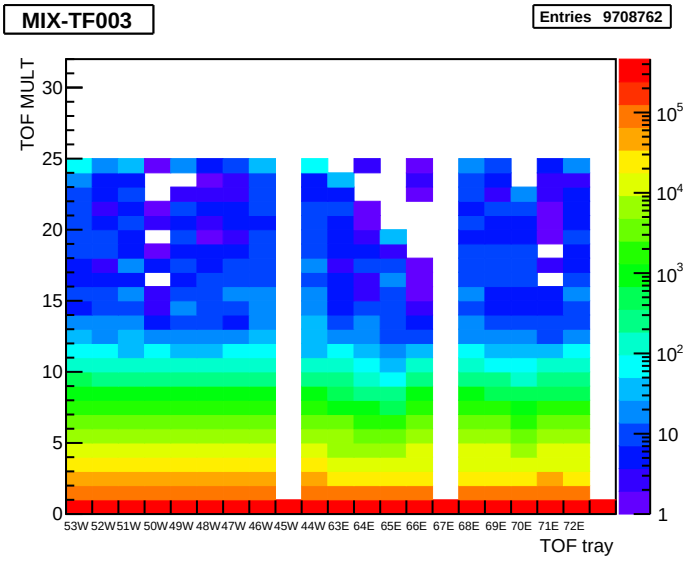

BunchId7Bit (BBC-TAC)
Entries 151300
10^3
10^2
10
1
0
20
40
60
80
100
120

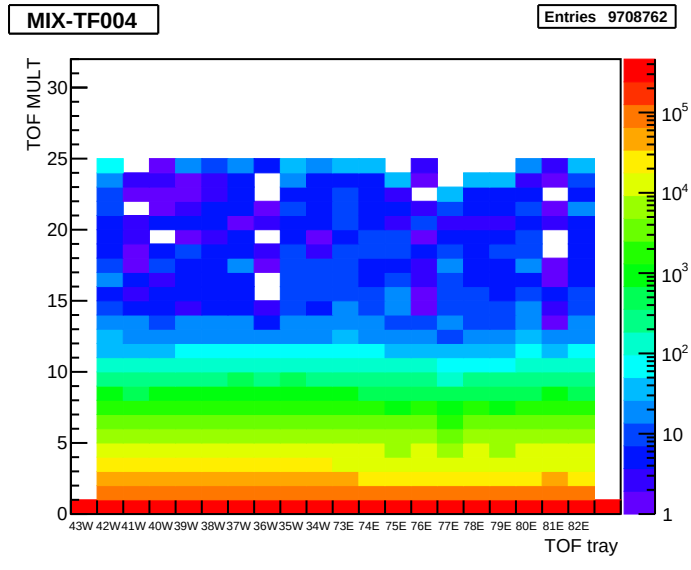

BunchId7Bit (Laser)
Entries 5244
0
20
40
60
80
100
120

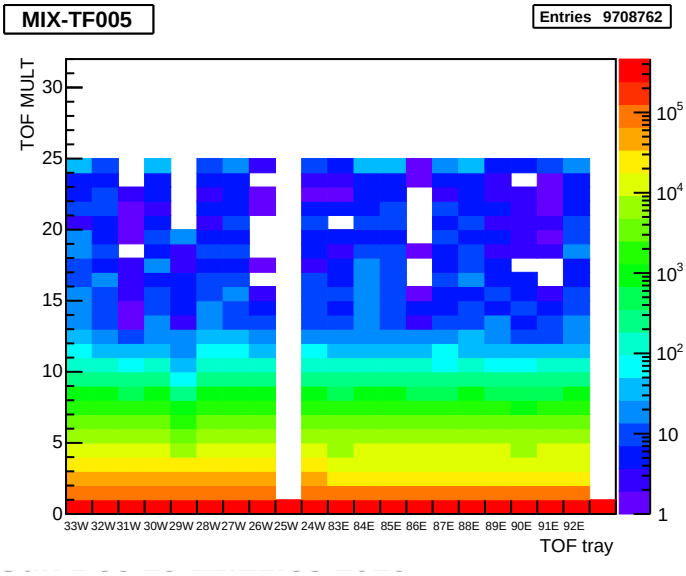

BunchId7Bit (TOFmult window)
Entries 14447
10^2
10
1
0
20
40
60
80
100
120

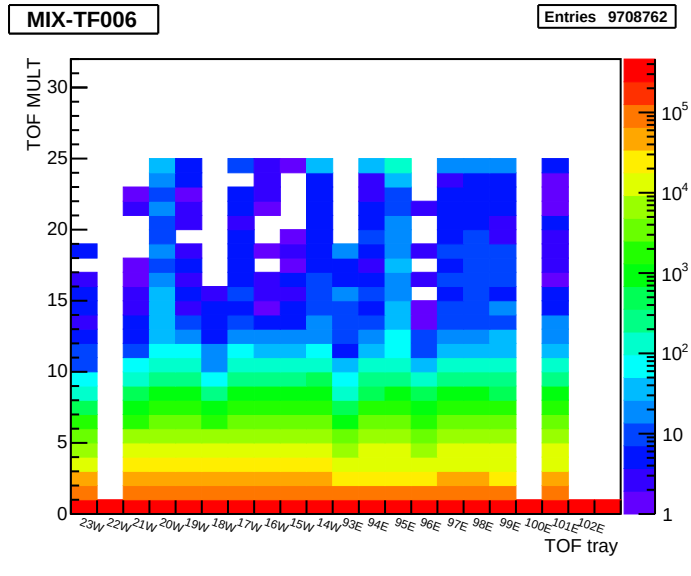

MIX-TF001
Entries 9708762
TOF MULT
TOF tray

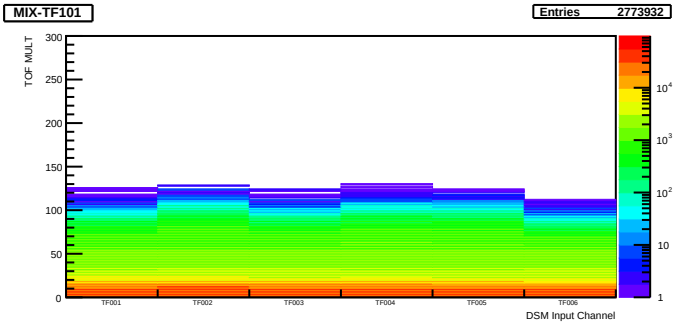

MIX-TF002
Entries 9708762
TOF MULT
TOF tray

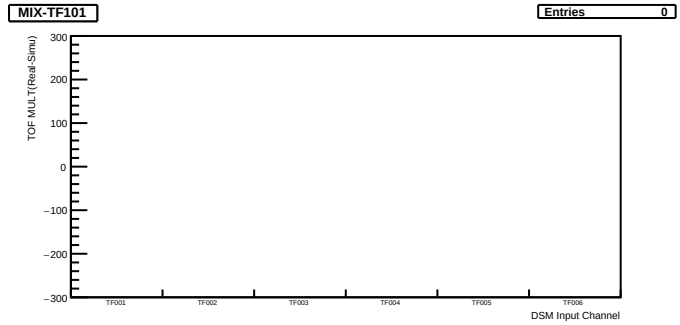

MIX-TF003
Entries 9708762
TOF MULT
TOF tray

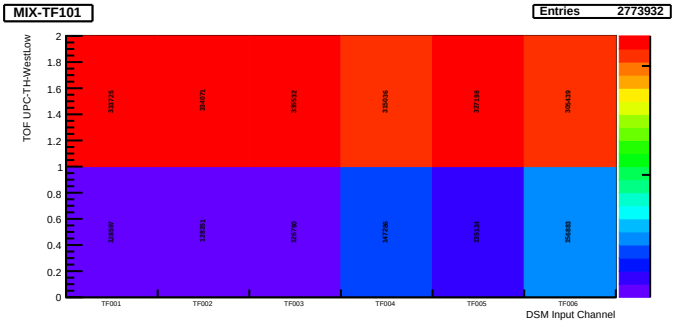

MIX-TF004
Entries 9708762
TOF MULT
TOF tray

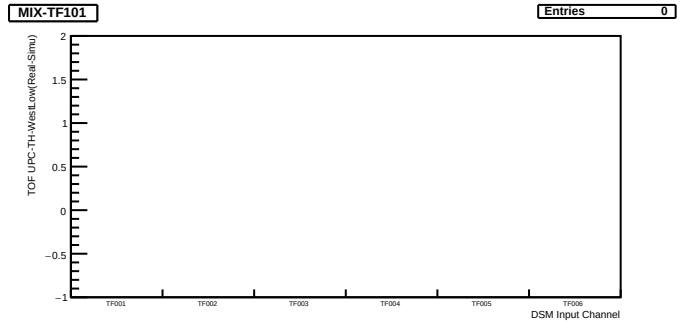

MIX-TF005
Entries 9708762
TOF MULT
TOF tray

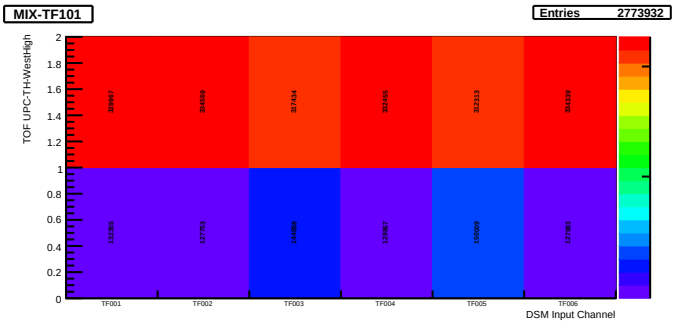

MIX-TF006
Entries 9708762
TOF MULT
TOF tray

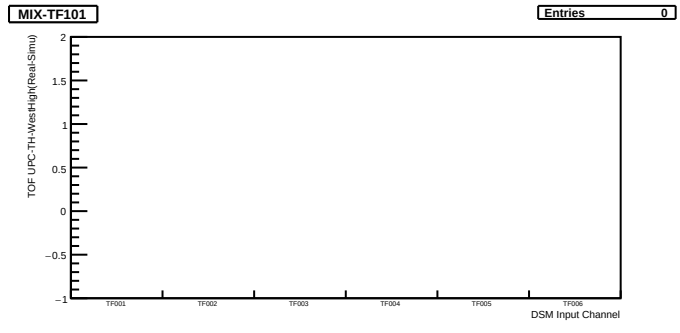

MIX-TF101
Entries 2773932
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

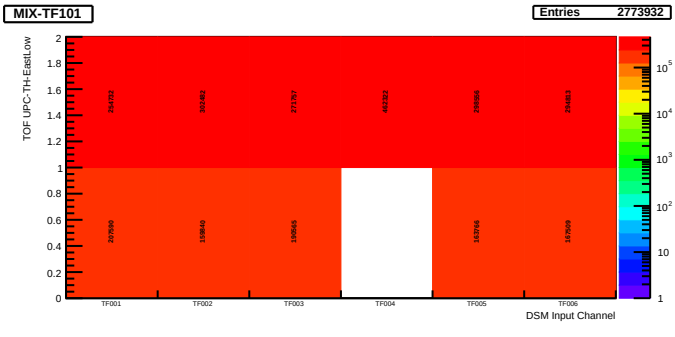

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

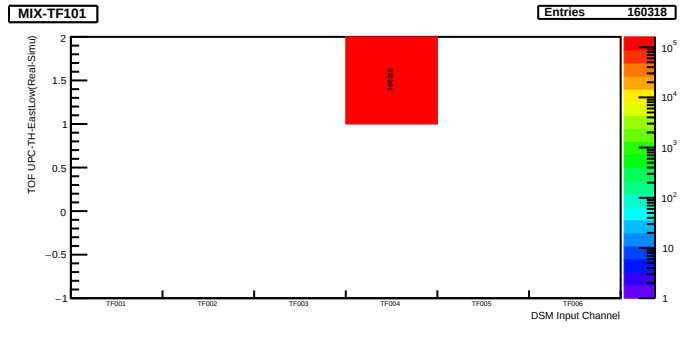

MIX-TF101
Entries 2773932
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

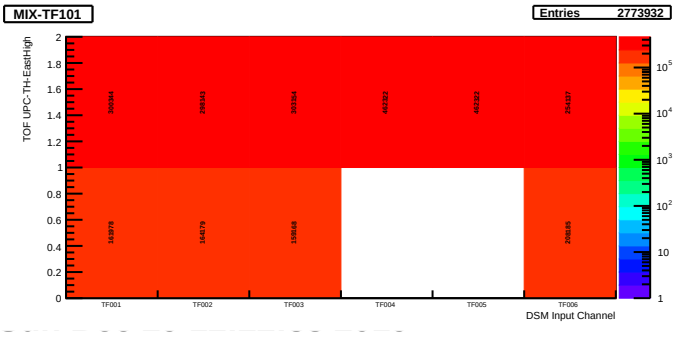

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

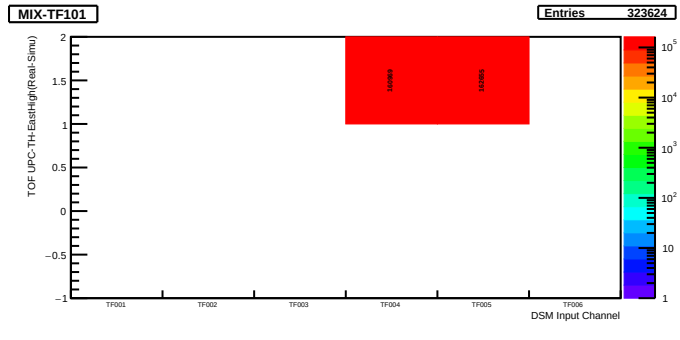

MIX-TF101
Entries 2773932
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

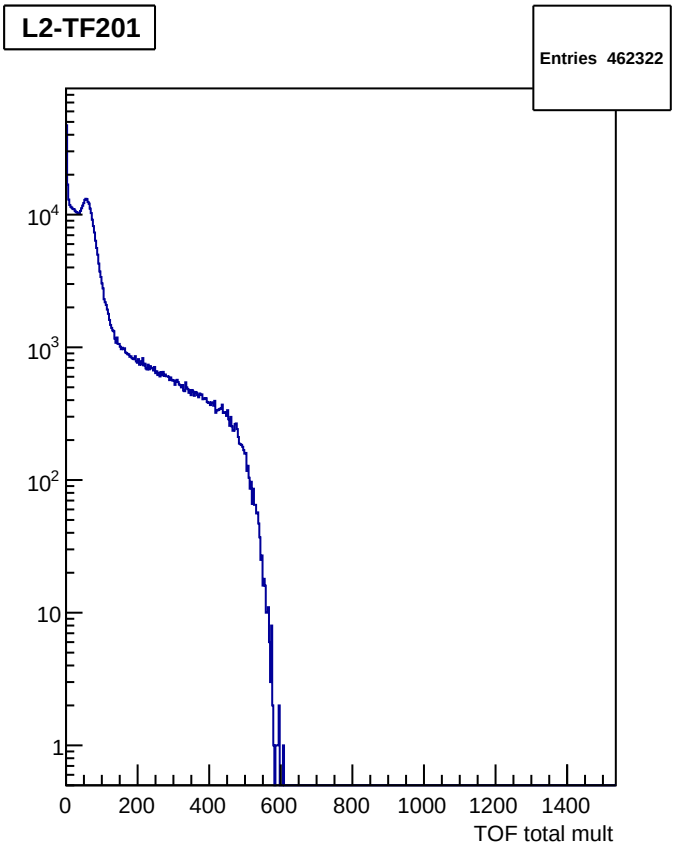

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

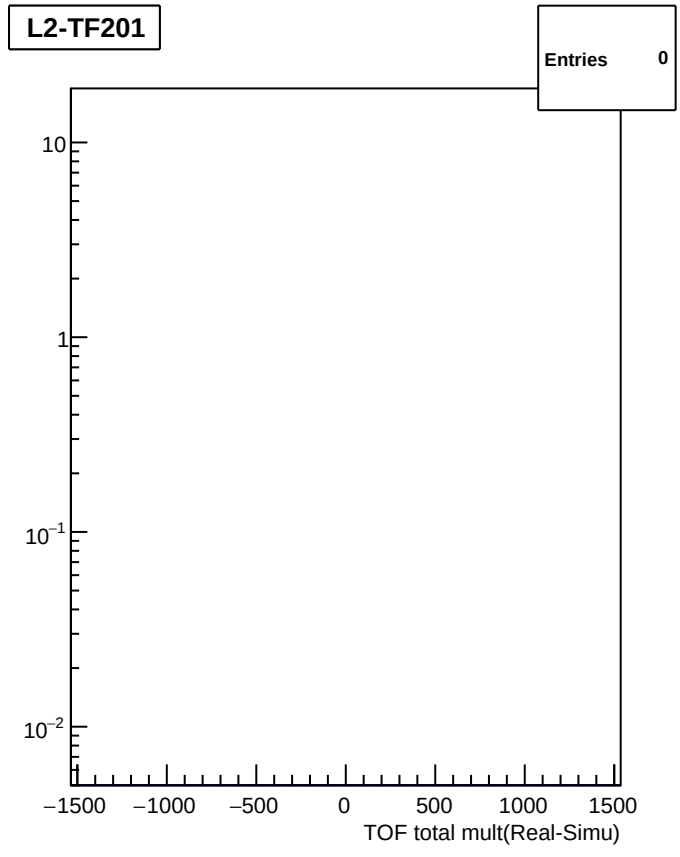

MIX-TF101
Entries 2773932
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

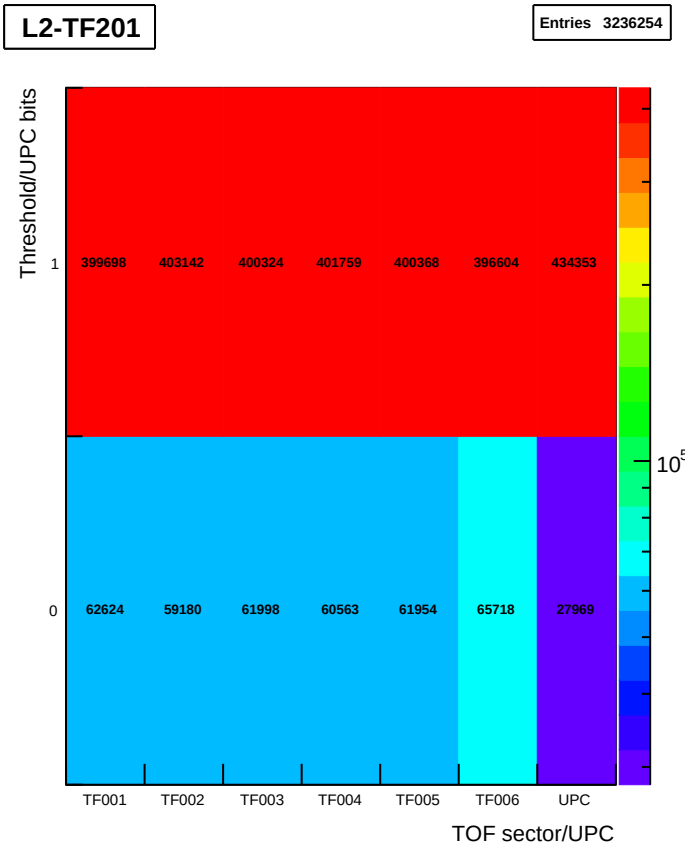

MIX-TF101
Entries 160318
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

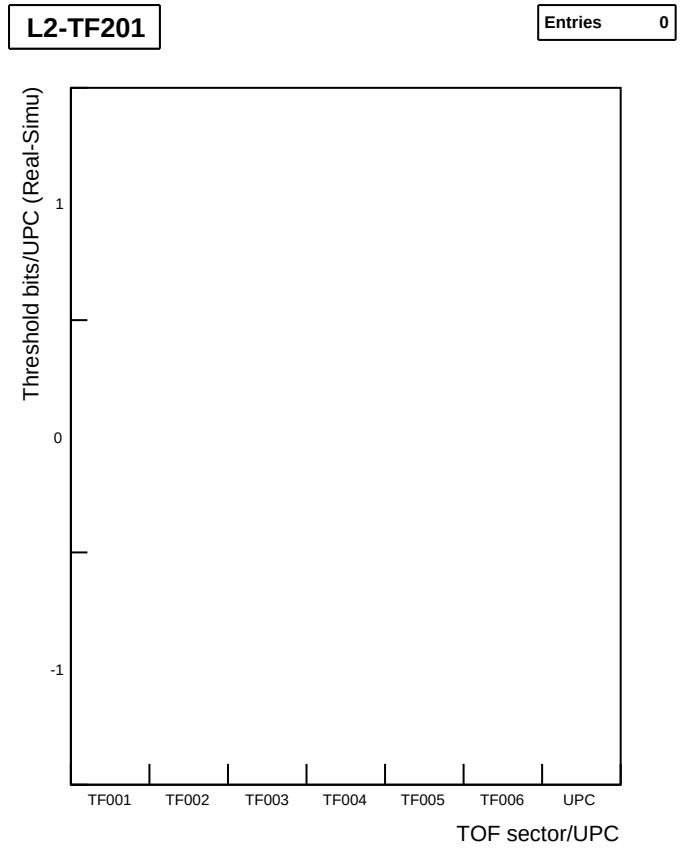

MIX-TF101
Entries 2773932
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

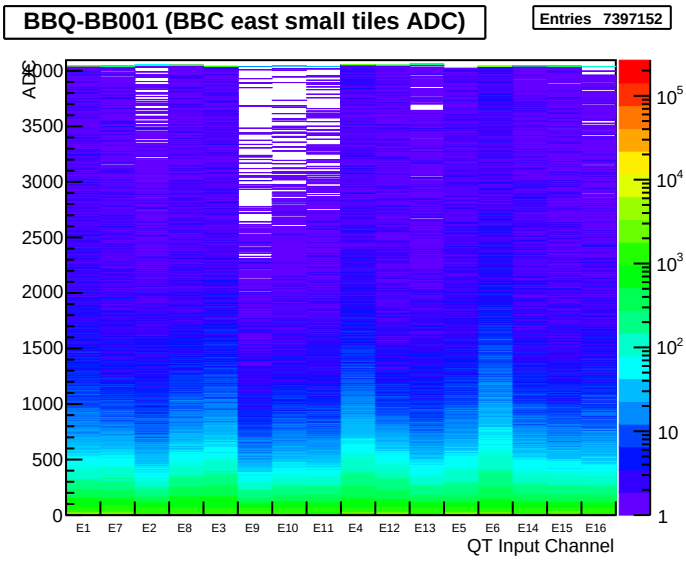

MIX-TF101
Entries 323624
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

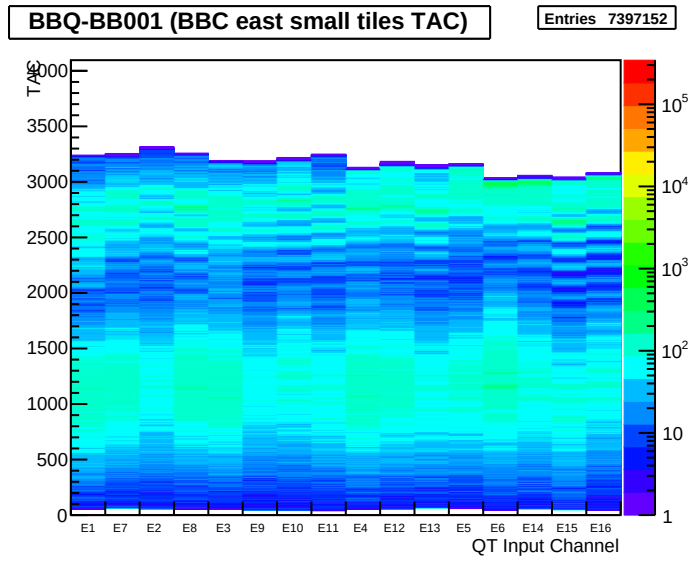

L2-TF201
Entries 462322
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

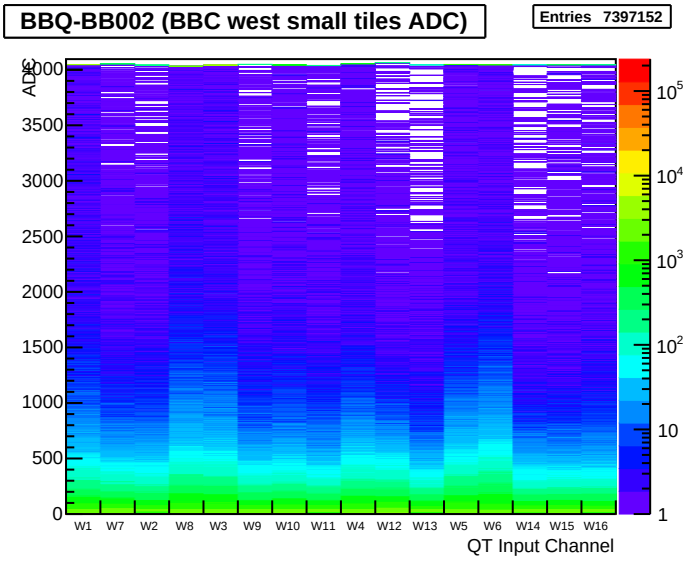

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

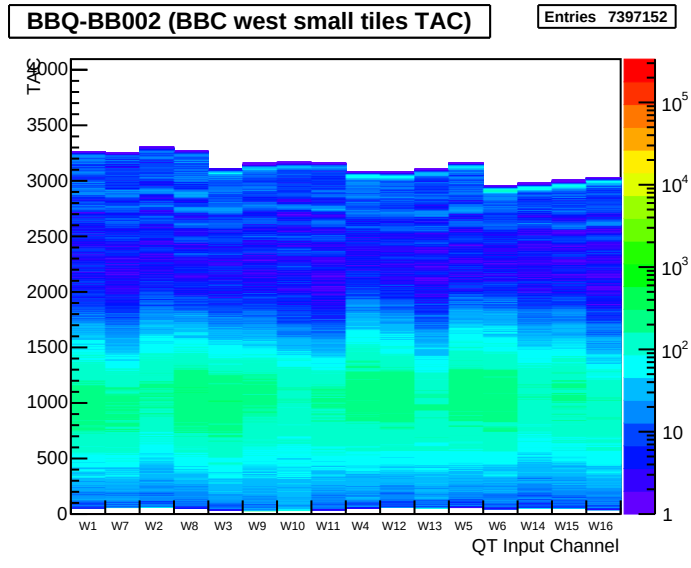

L2-TF201
Entries 3236254
Threshold/UPC bits
1
0
399698
403142
400324
401759
400368
396604
434353
62624
59180
61998
60563
61954
65718
27969
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

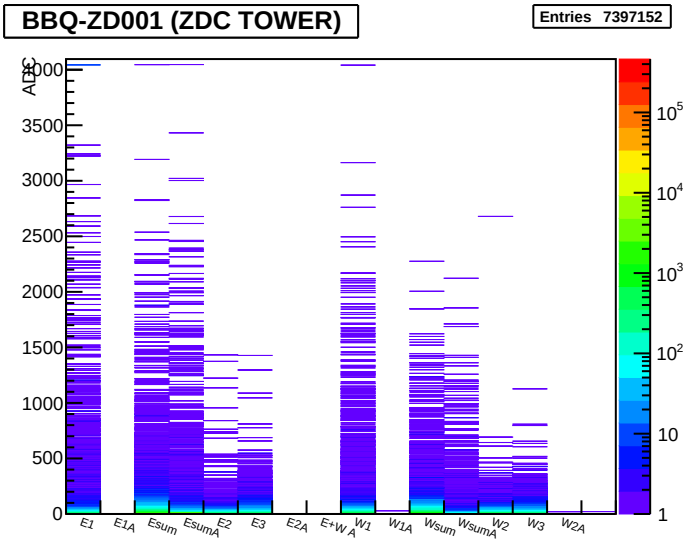

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

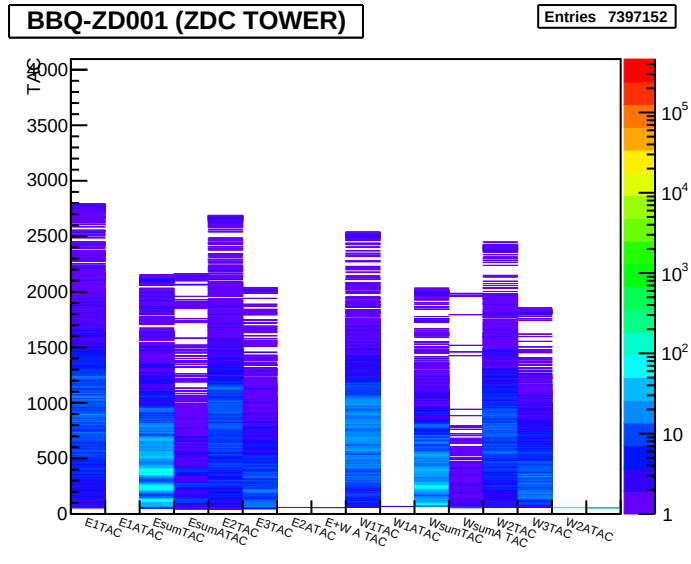

BBQ-BB001 (BBC east small tiles ADC)
Entries 7397152
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

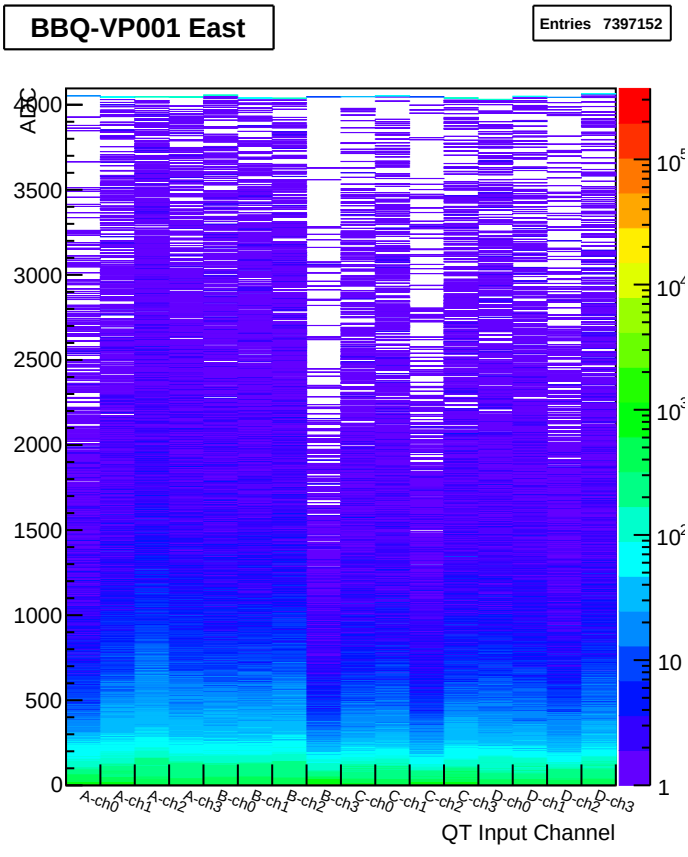

BBQ-BB001 (BBC east small tiles TAC)
Entries 7397152
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

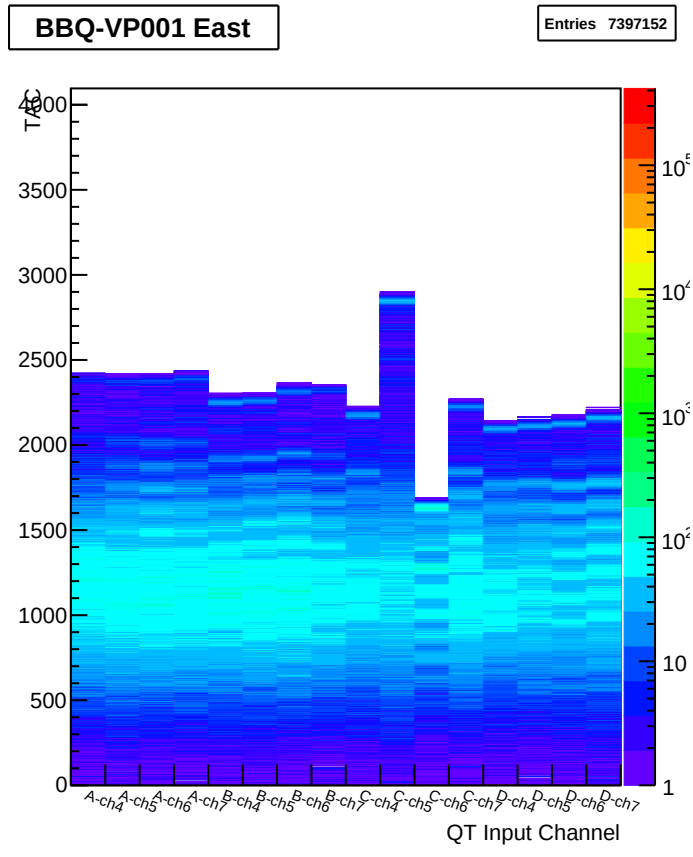

BBQ-BB002 (BBC west small tiles ADC)
Entries 7397152
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

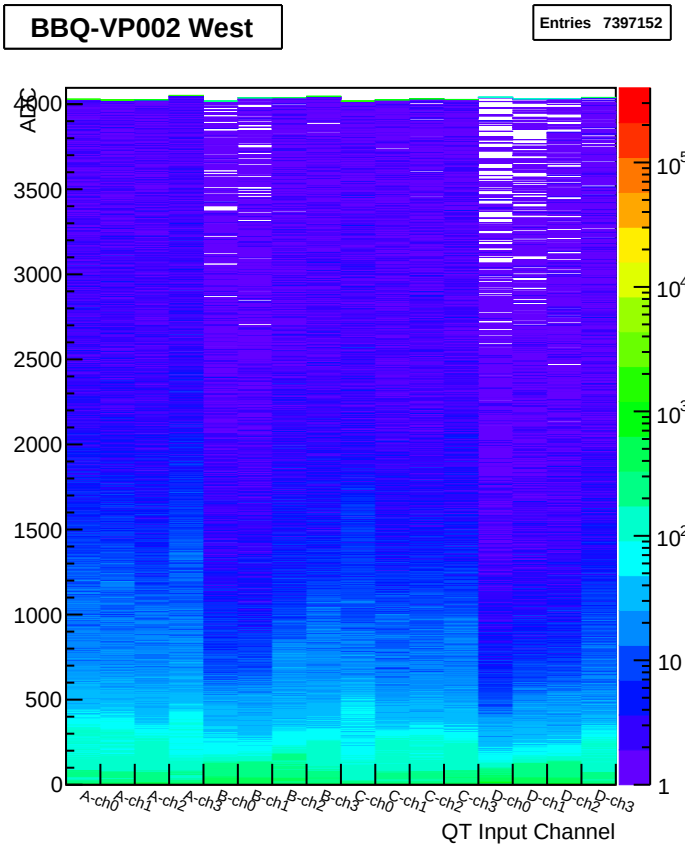

BBQ-BB002 (BBC west small tiles TAC)
Entries 7397152
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

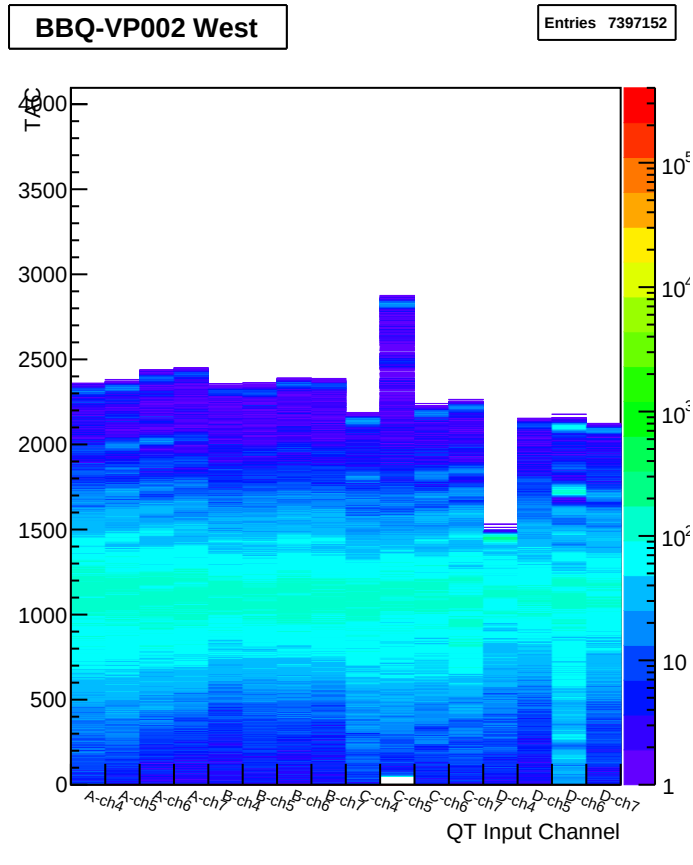

BBQ-ZD001 (ZDC TOWER)
Entries 7397152
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

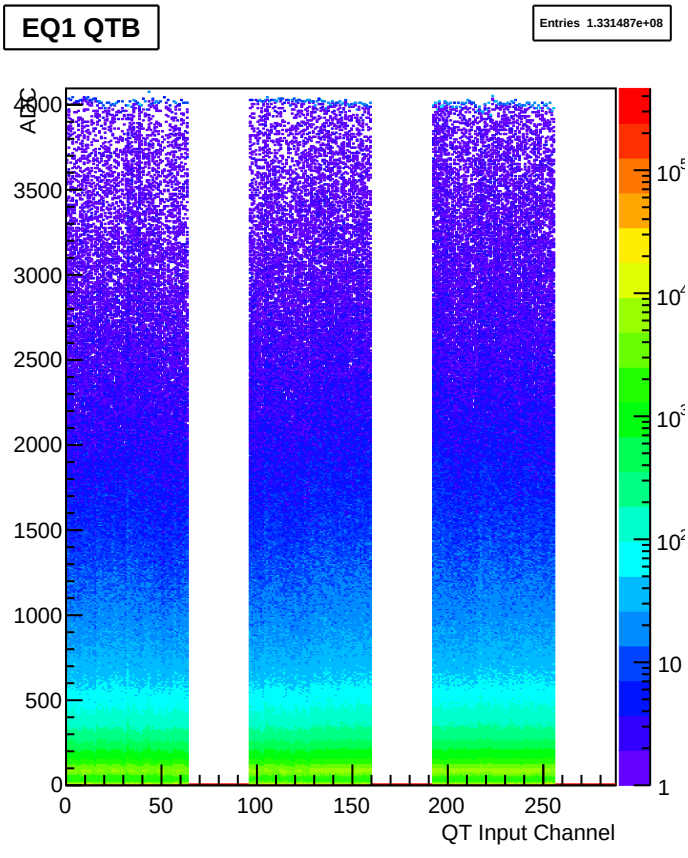

BBQ-ZD001 (ZDC TOWER)
Entries 7397152
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

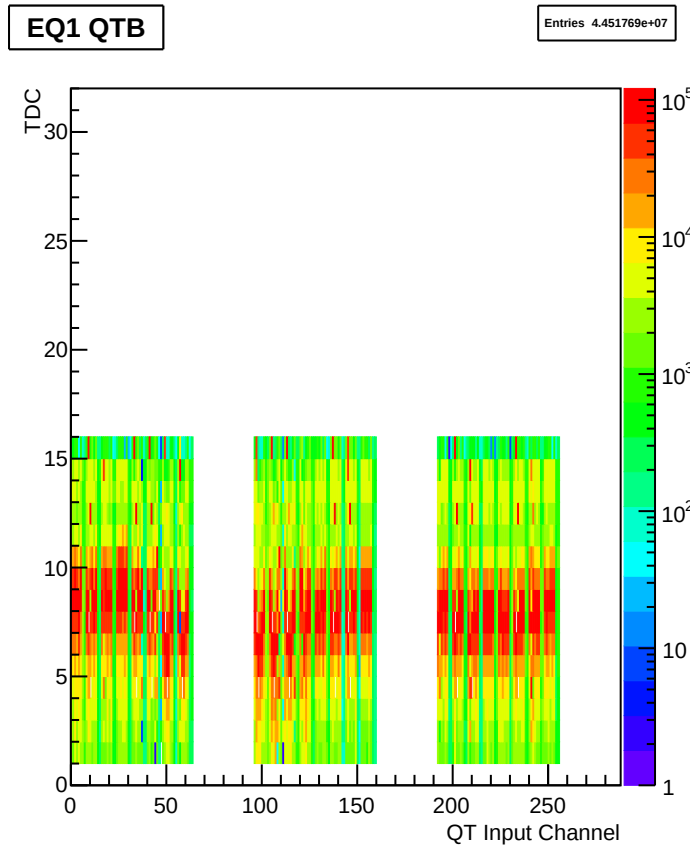

BBQ-VP001 East
Entries 7397152
ADC
QT Input Channel

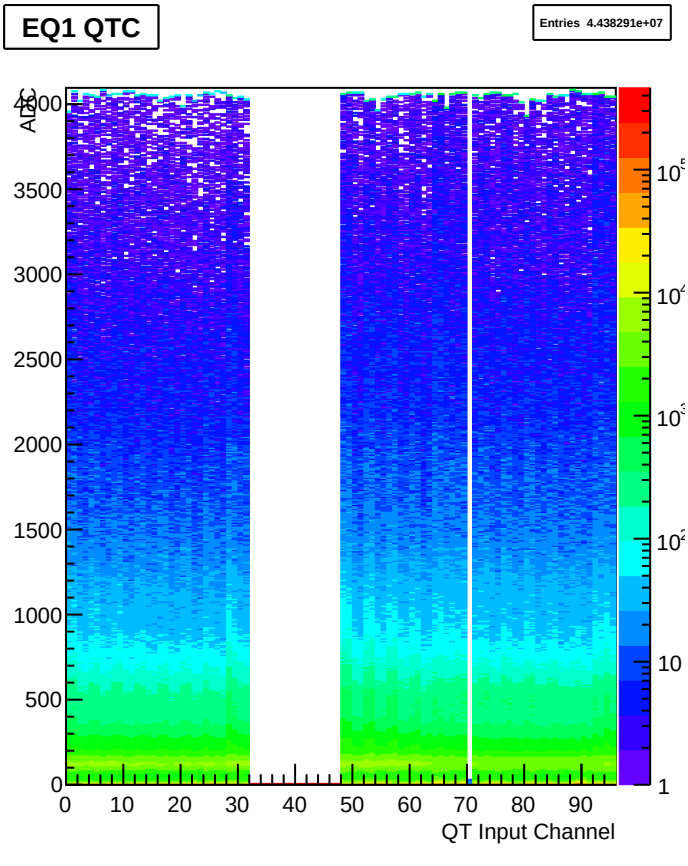

BBQ-VP001 East
Entries 7397152
TADC
QT Input Channel

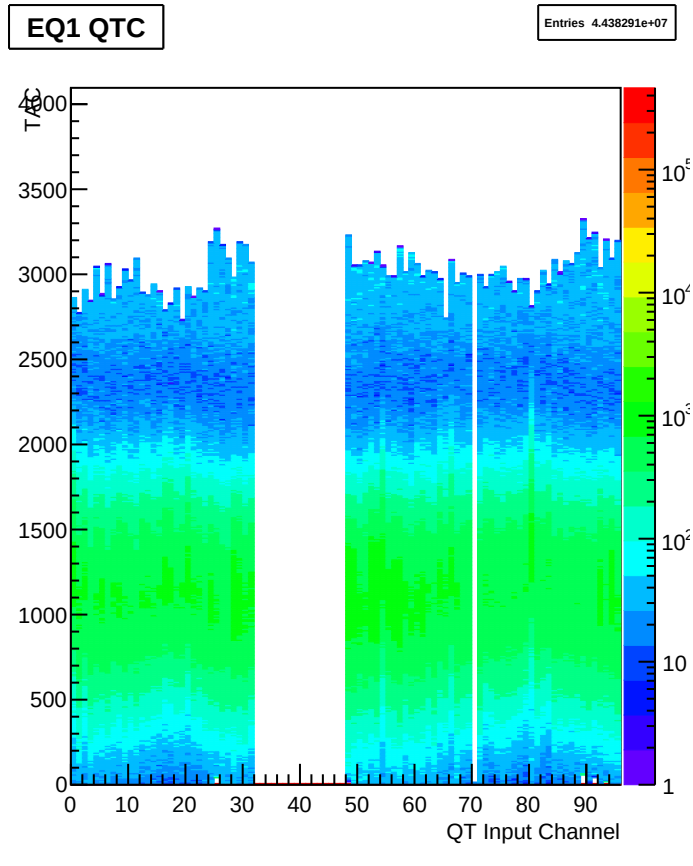

BBQ-VP002 West
Entries 7397152
ADC
QT Input Channel

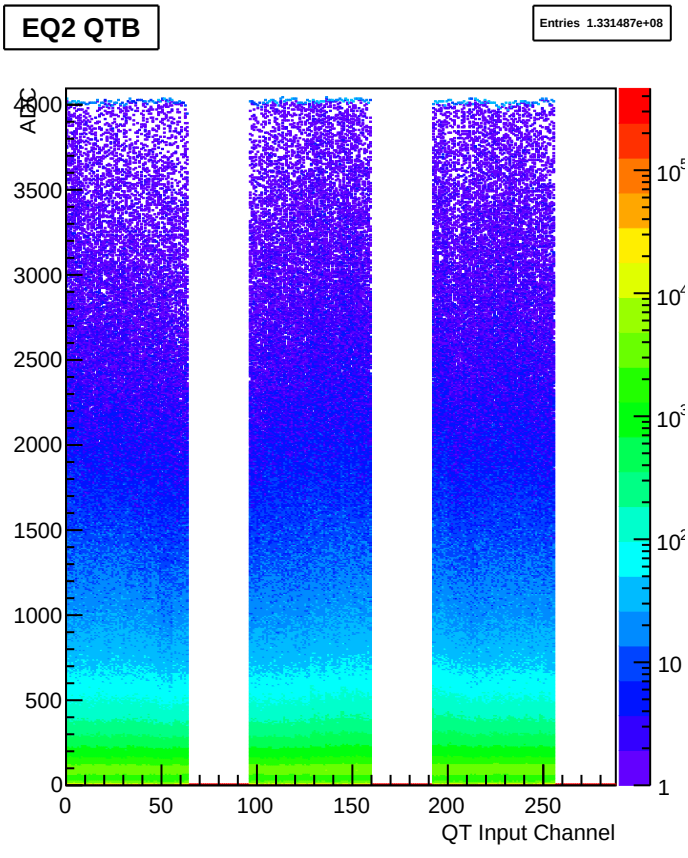

BBQ-VP002 West
Entries 7397152
TADC
QT Input Channel

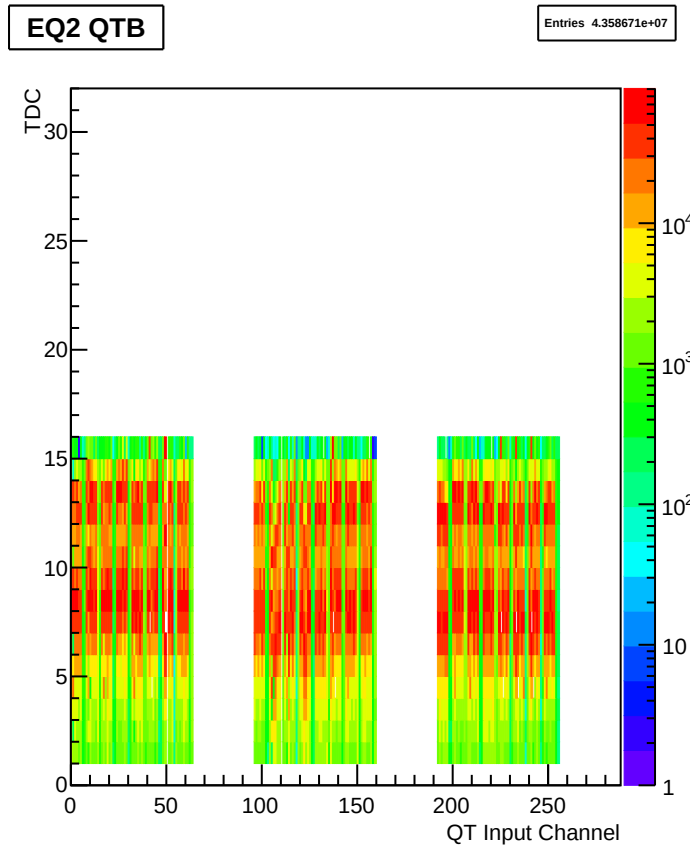

EQ1 QTB
Entries 1.331487e+08
ADC
QT Input Channel

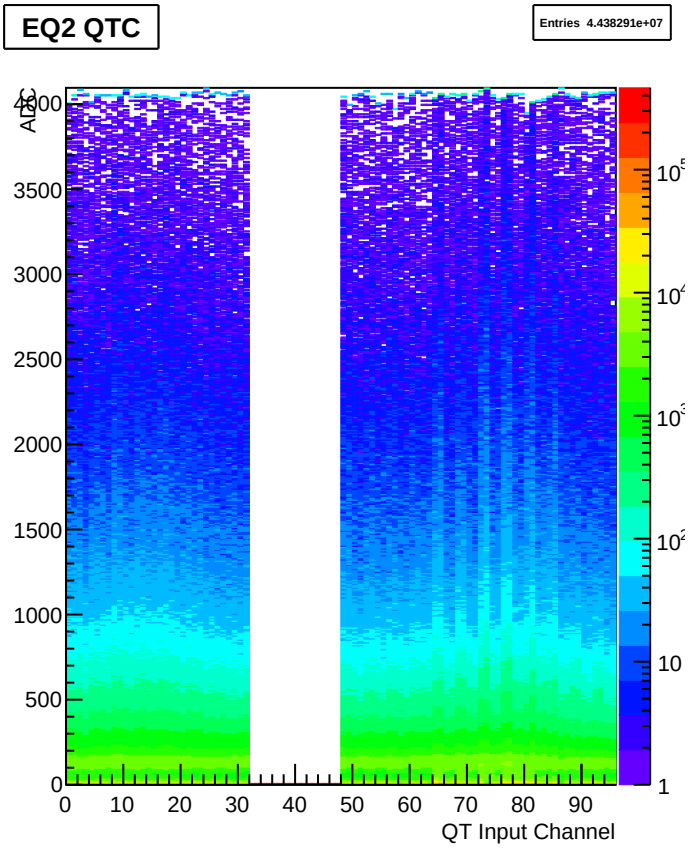

EQ1 QTB
Entries 4.451769e+07
TDC
QT Input Channel

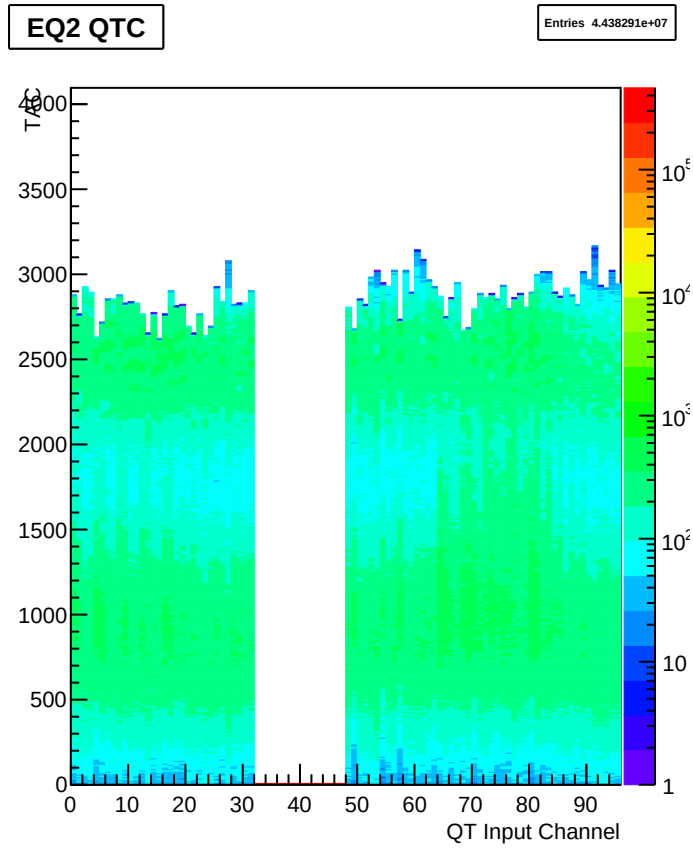

EQ1 QTC
Entries 4.438291e+07
ADC
QT Input Channel

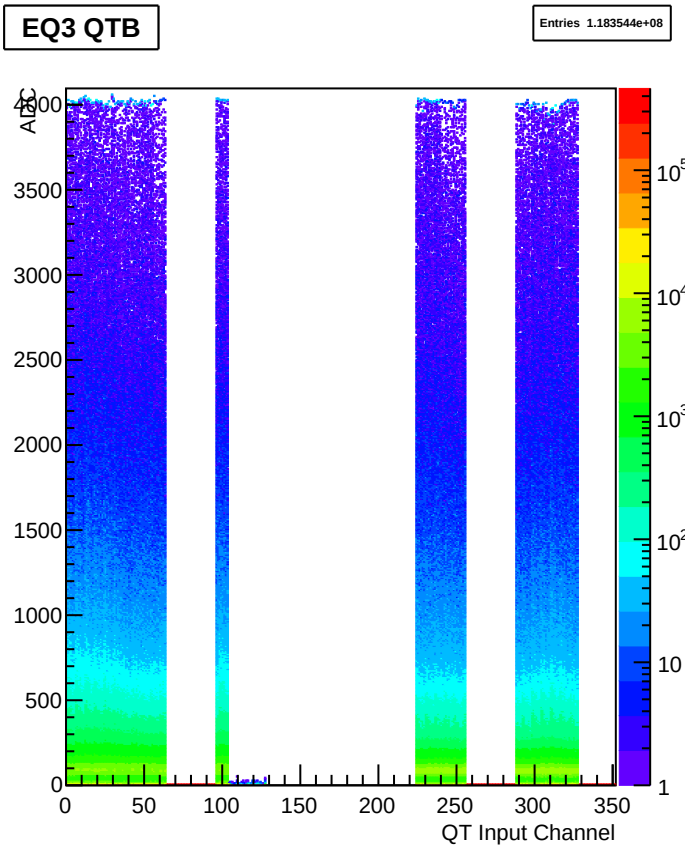

EQ1 QTC
Entries 4.438291e+07
TADC
QT Input Channel

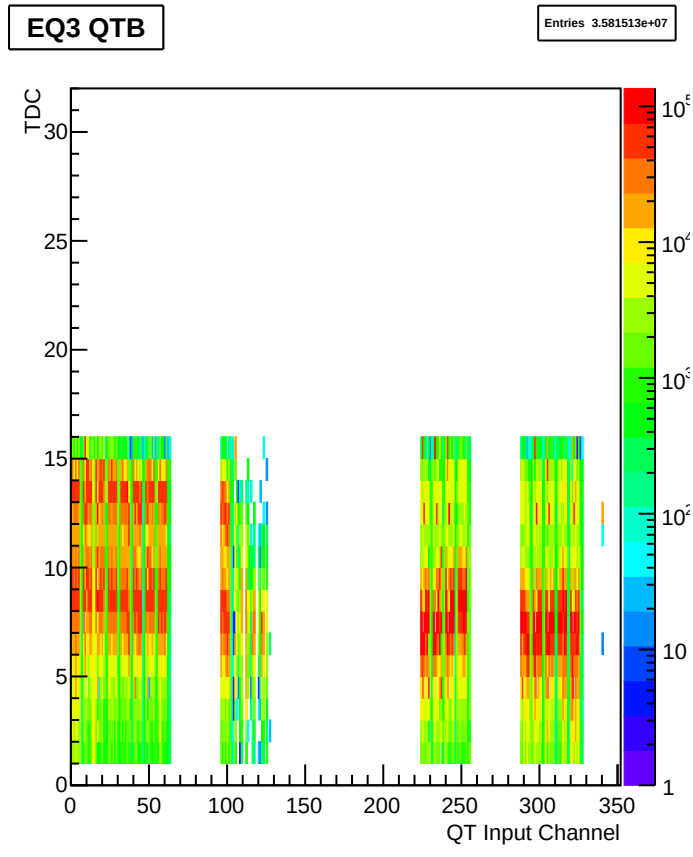

EQ2 QTB
Entries 1.331487e+08
ADC
QT Input Channel

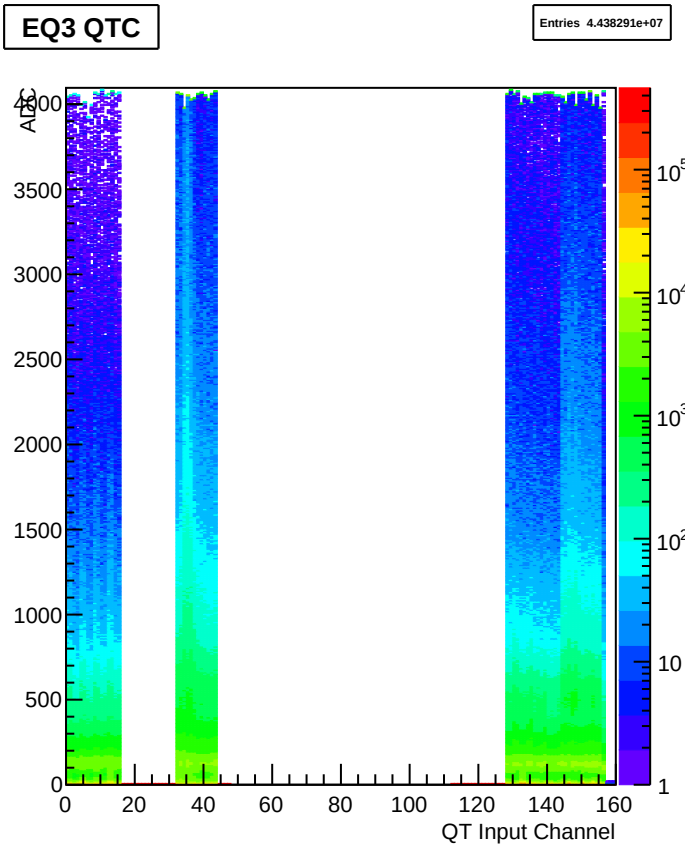

EQ2 QTB
Entries 4.358671e+07
TDC
QT Input Channel

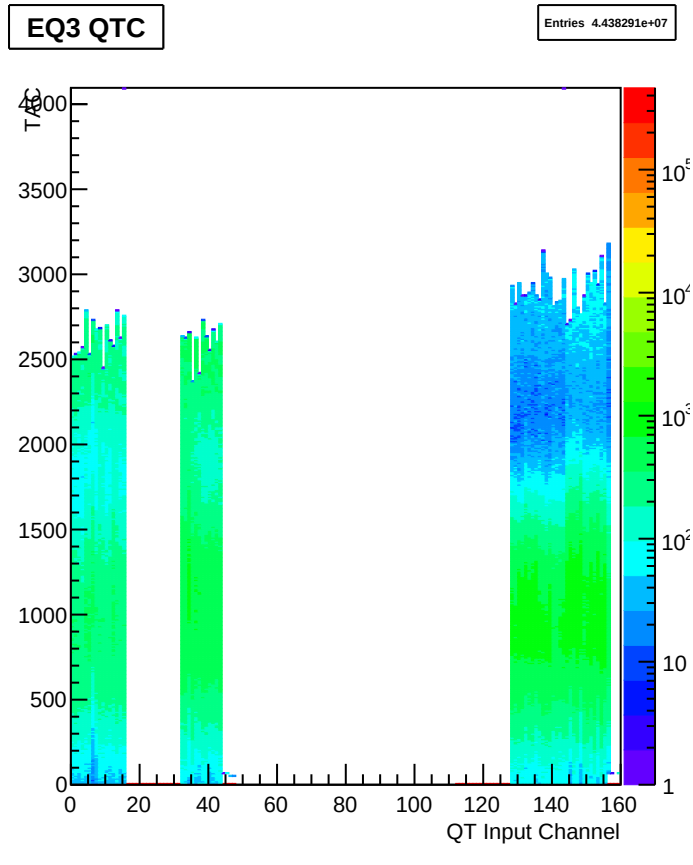

EQ2 QTC
Entries 4.438291e+07
ADC
QT Input Channel

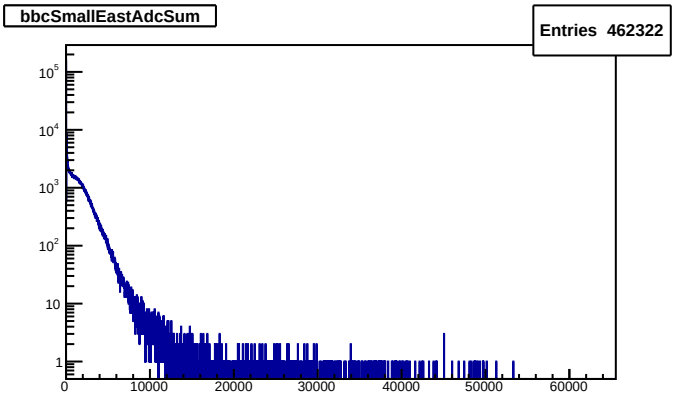

EQ2 QTC
Entries 4.438291e+07
TADC
QT Input Channel

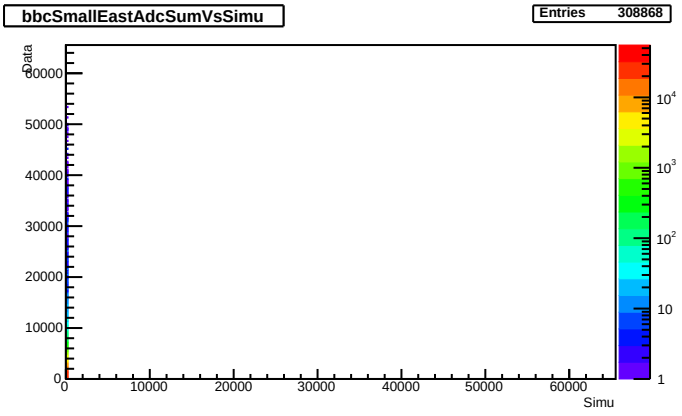

EQ3 QTB
Entries 1.183544e+08
ADC
QT Input Channel

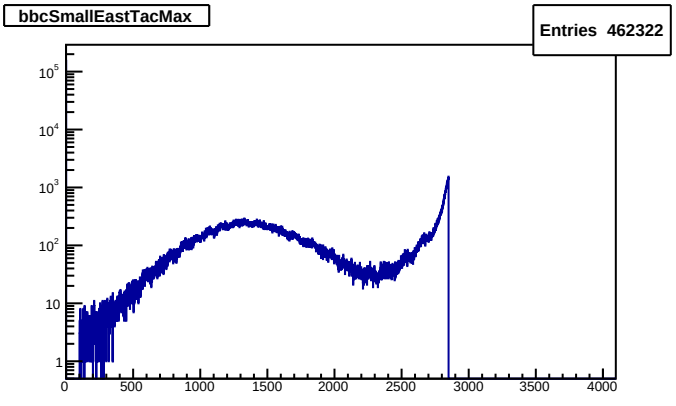

EQ3 QTB
Entries 3.581513e+07
TDC
QT Input Channel

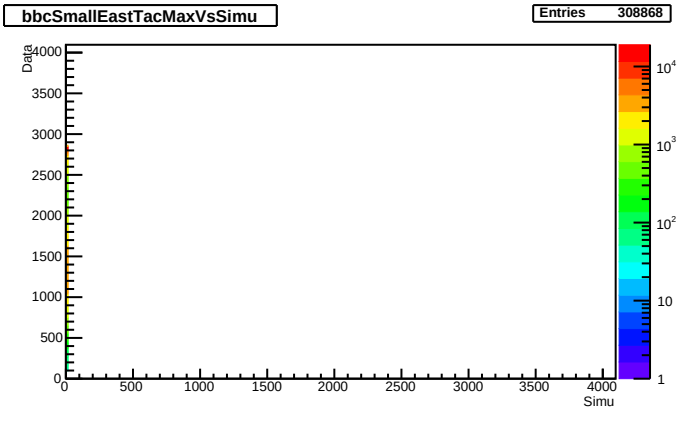

EQ3 QTC
Entries 4.438291e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.438291e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 462322


bbcSmallEastAdcSumVsSimu
Entries 308868
Data
Simu


bbcSmallEastTacMax
Entries 462322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Entries 308868
Data
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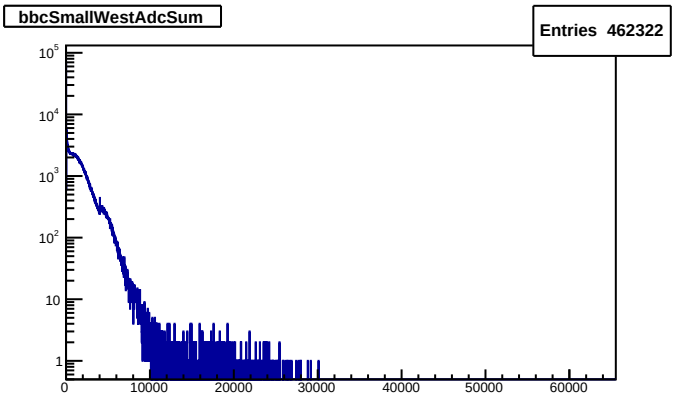
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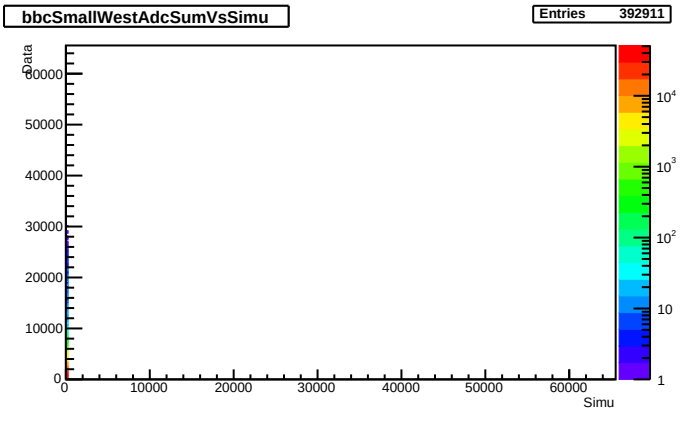
Entries 462322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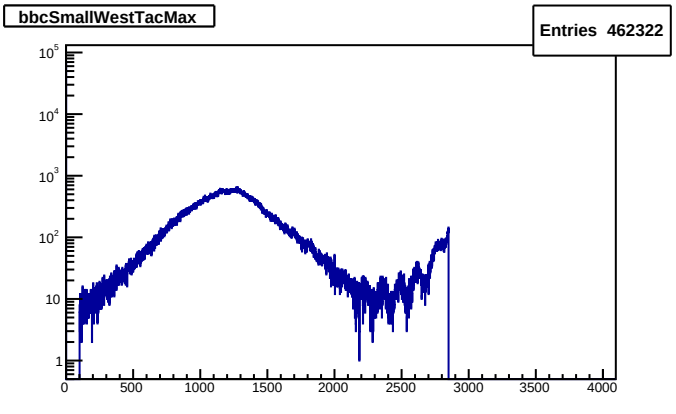
Entries 392911
Data
Simu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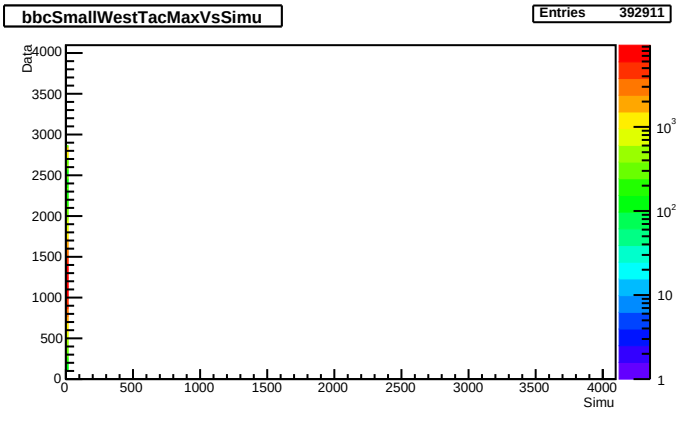
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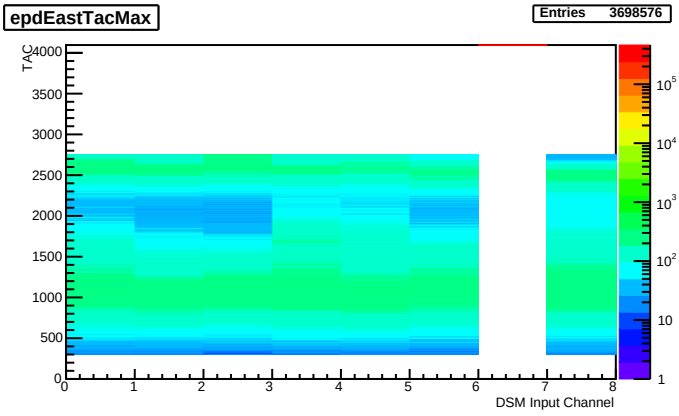
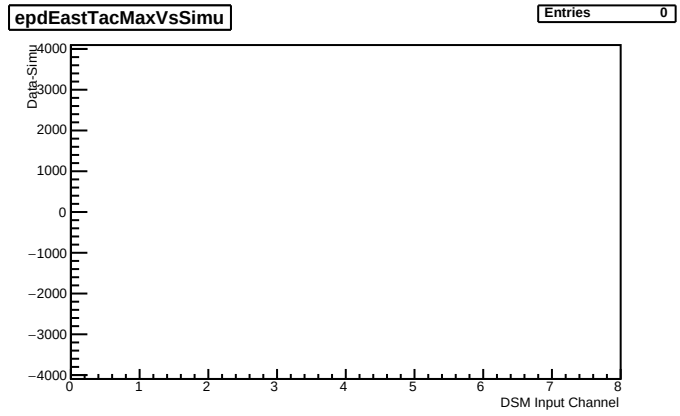
Entries 392911
Data
Simu


epdEastTacMax
Entries 3698576
TAC
DSM Input Channel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Data-Simu
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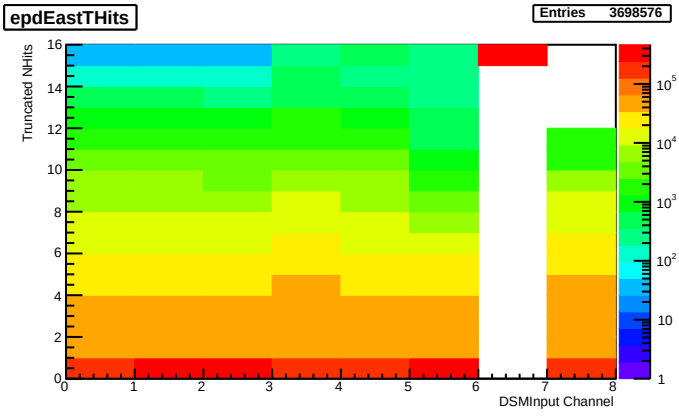
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Entries 3698576
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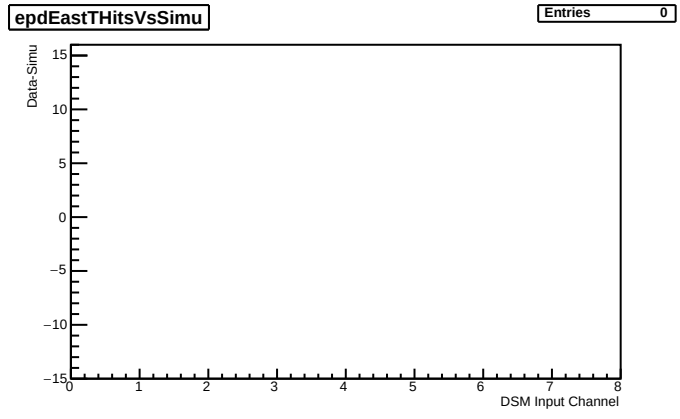
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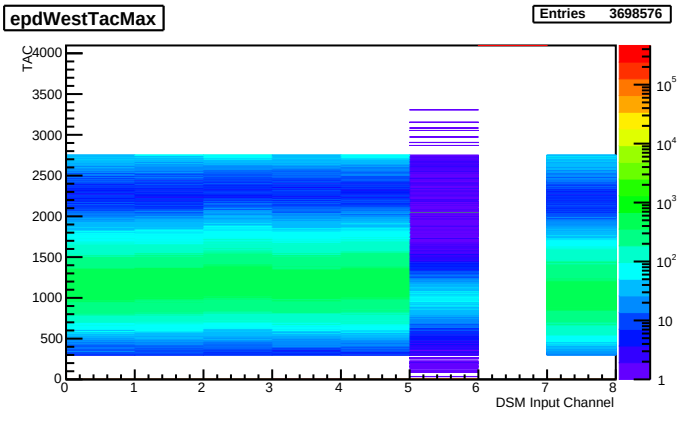
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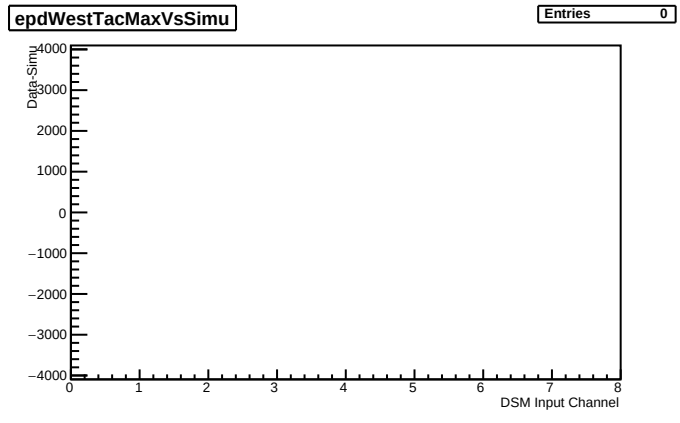
TAC
DSM Input Channel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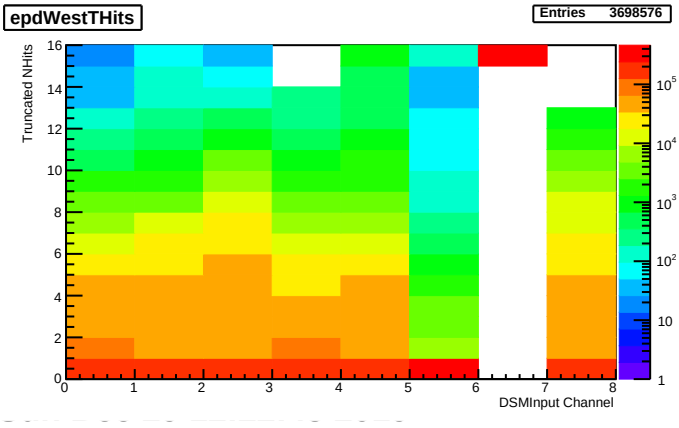
Data-Simu
DSM Input Channel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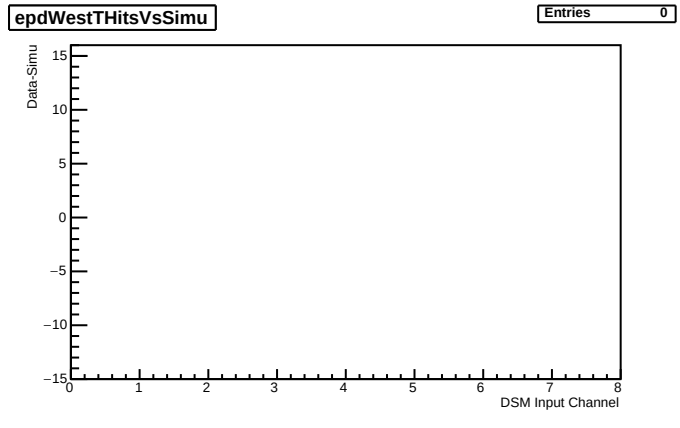
Entries 3698576
Truncated NHits
DSMInput Channel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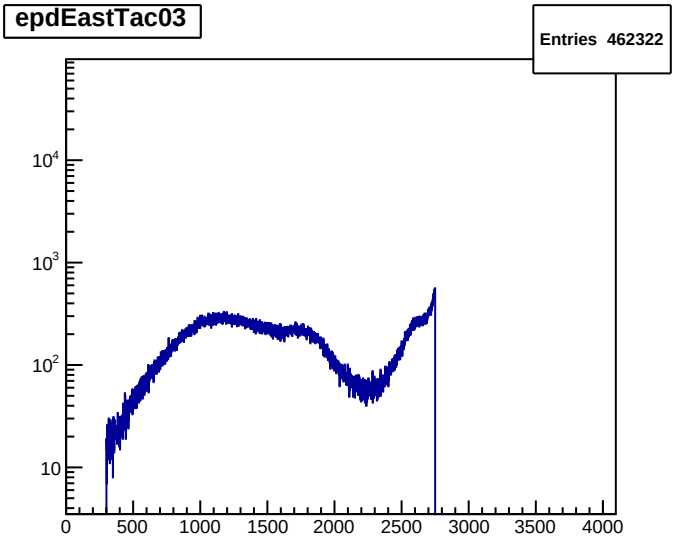
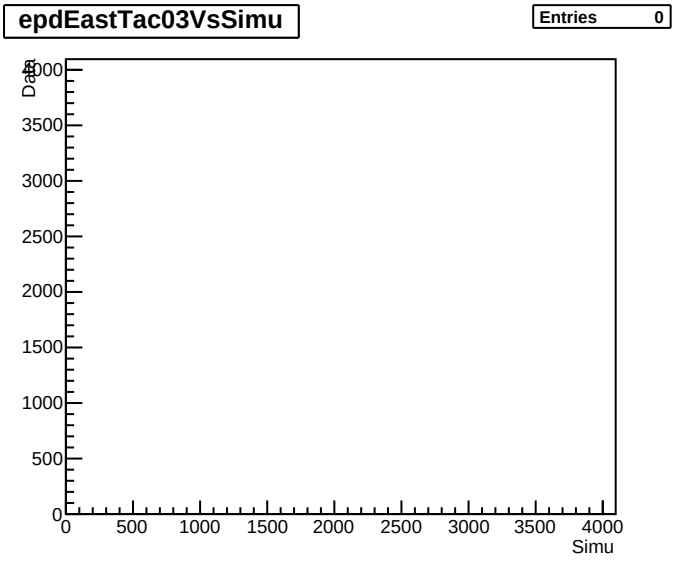
DSM Input Channel


epdEastTac03
Entries 462322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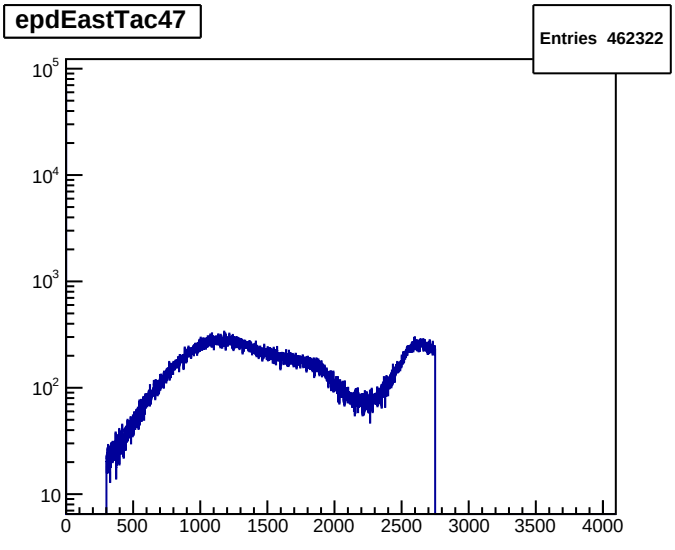
Entries 0
Data
Simu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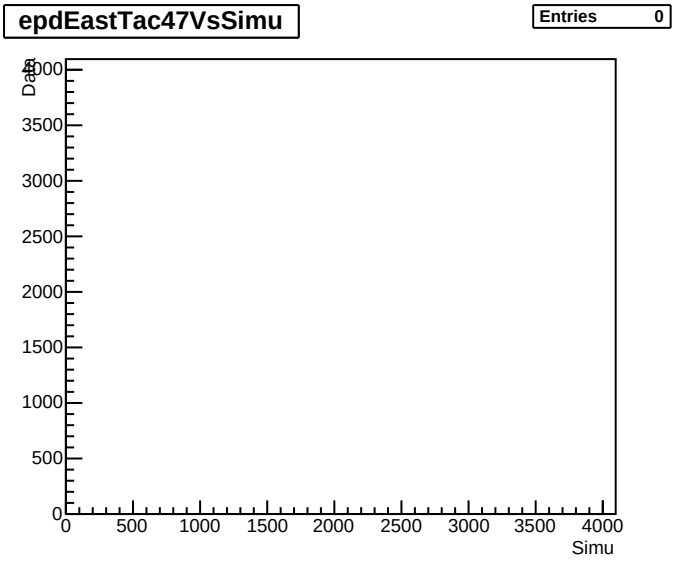
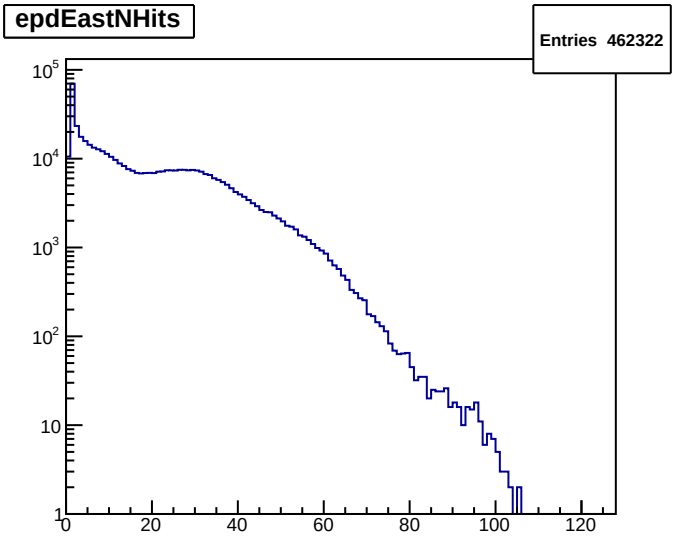
Entries 462322


epdEastTac47VsSimu
Entries 0
Data
Simu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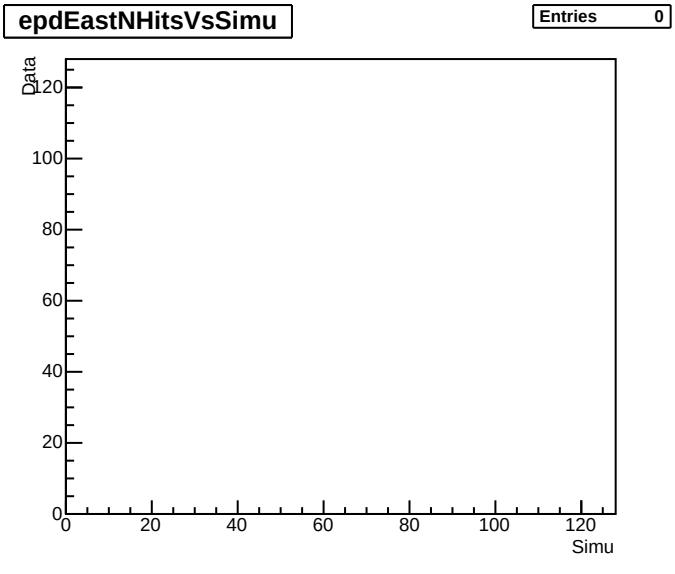
Entries 462322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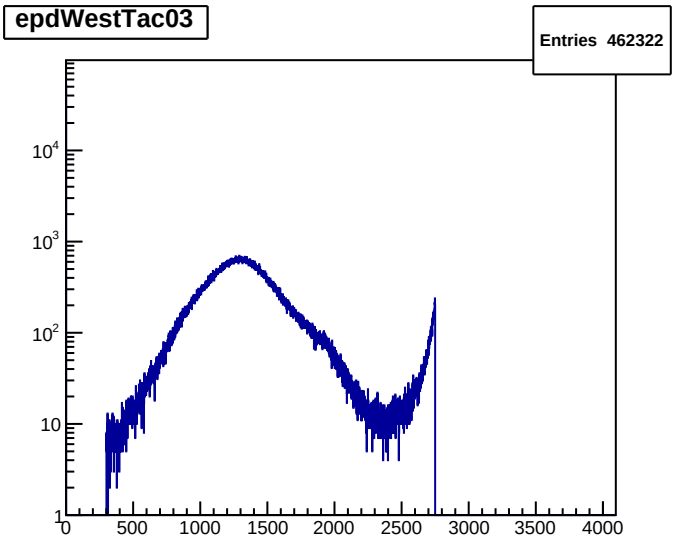
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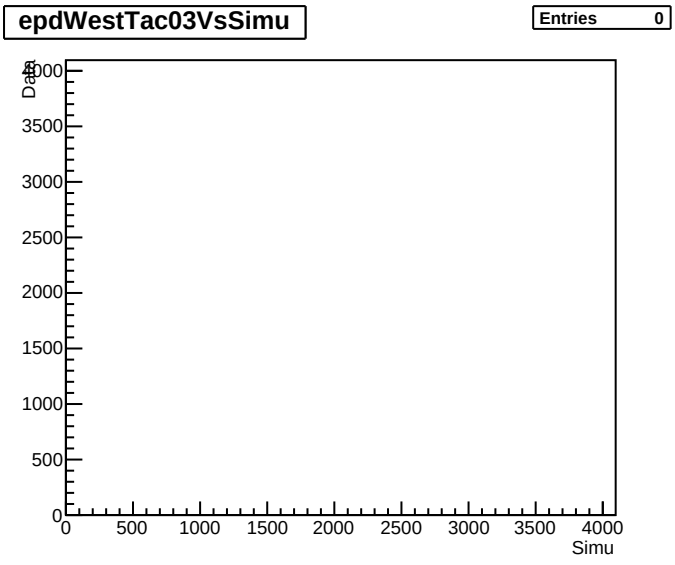
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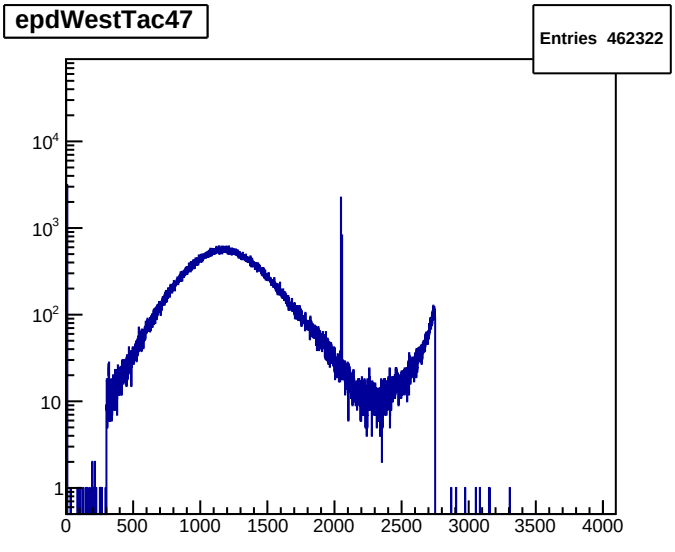
Entries 0
Data
Simu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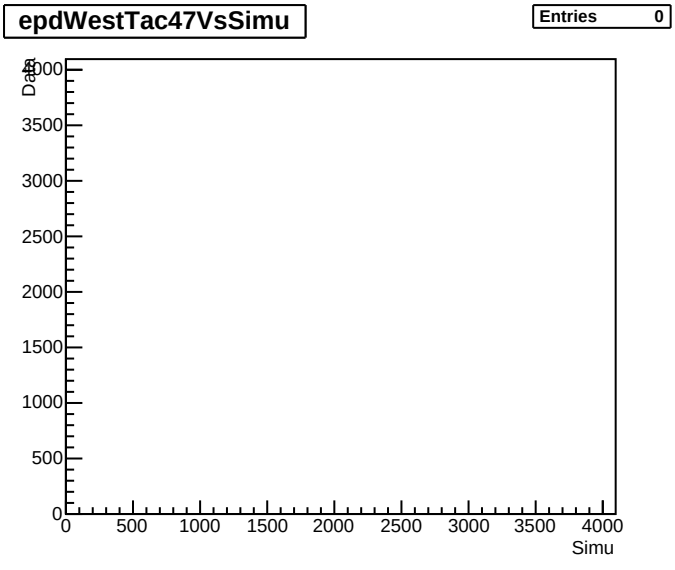
Entries 462322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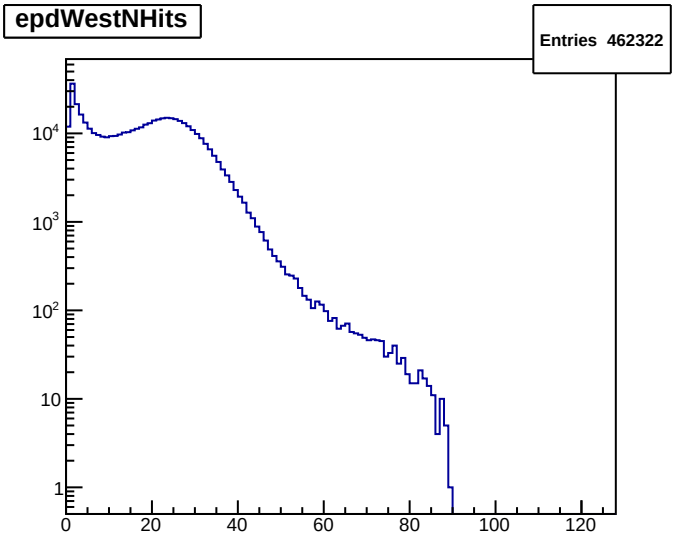
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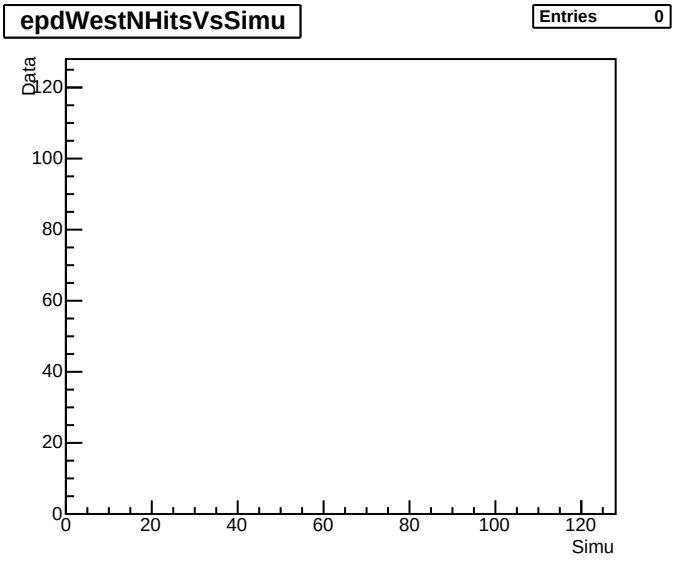
Entries 462322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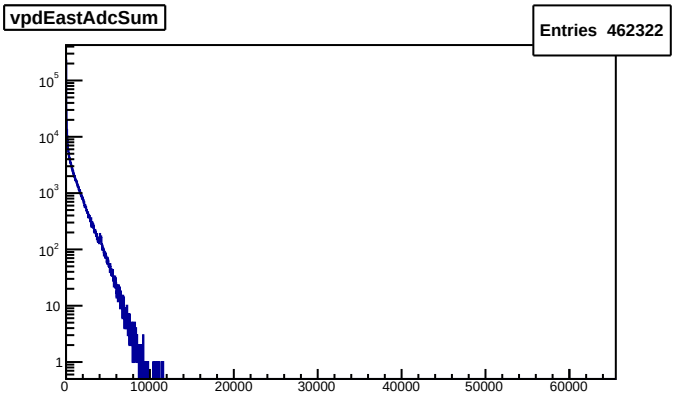
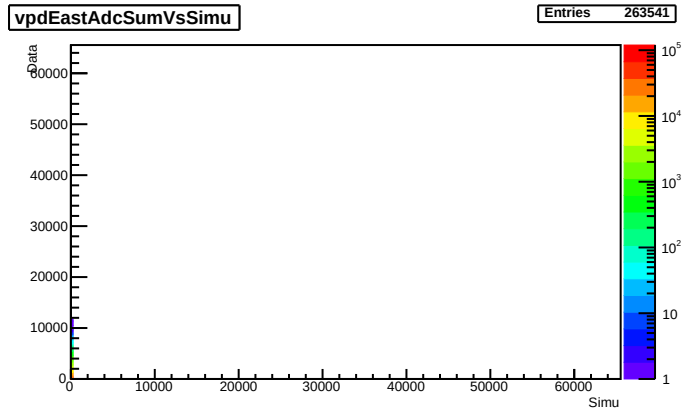
Entries 0
Data
Simu


vpdEastAdcSum
Entries 462322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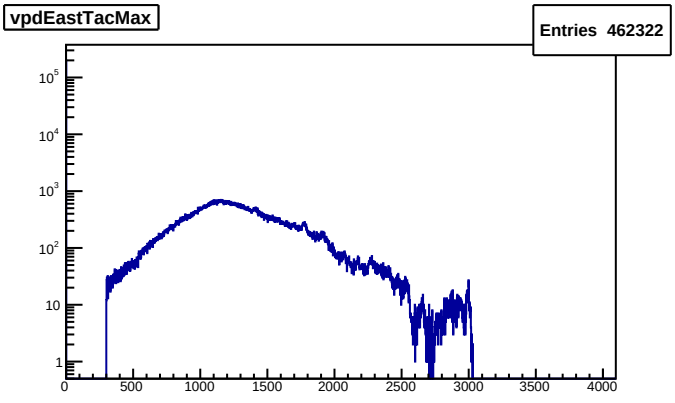
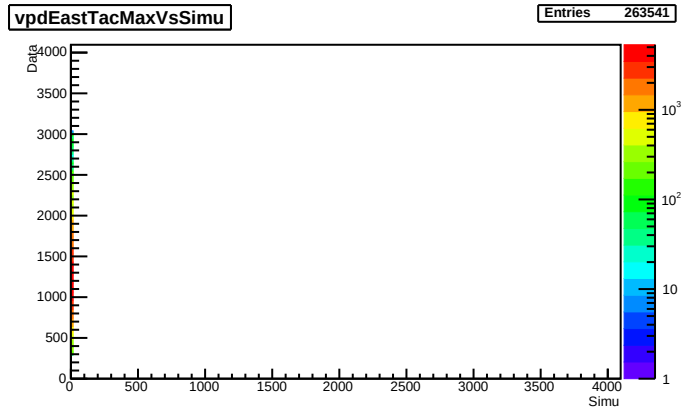
Entries 263541
Data
Simu


vpdEastTacMax
Entries 462322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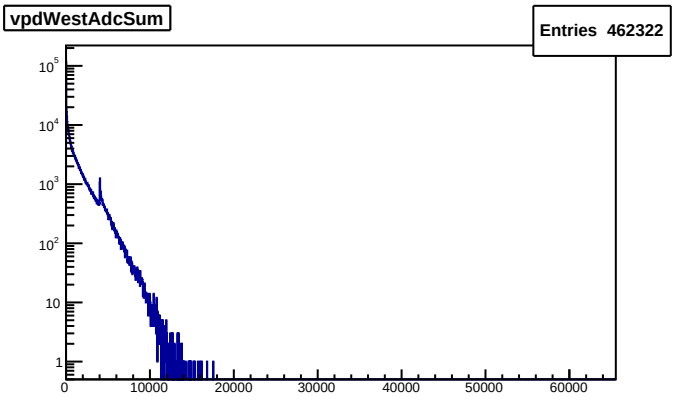
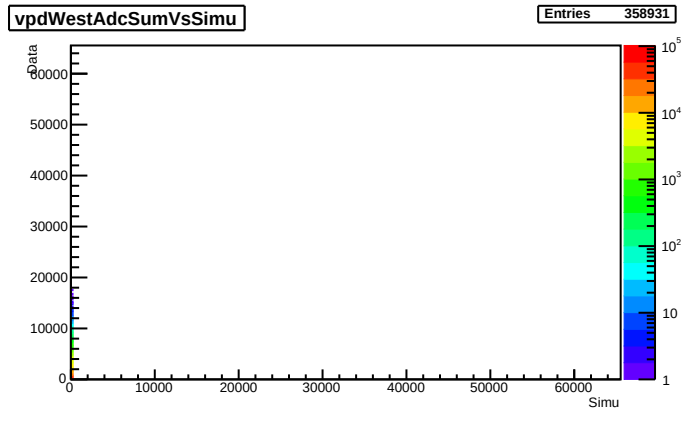
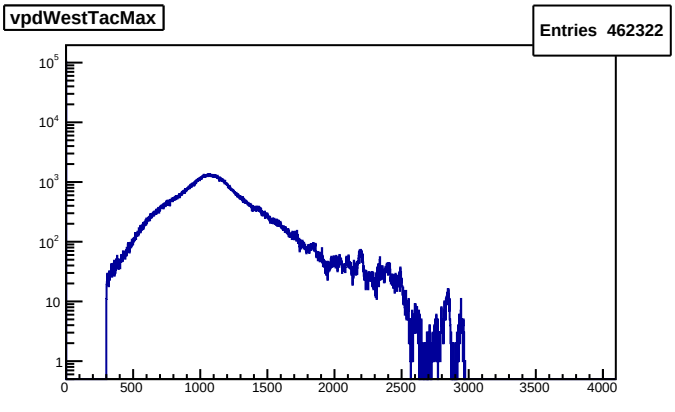
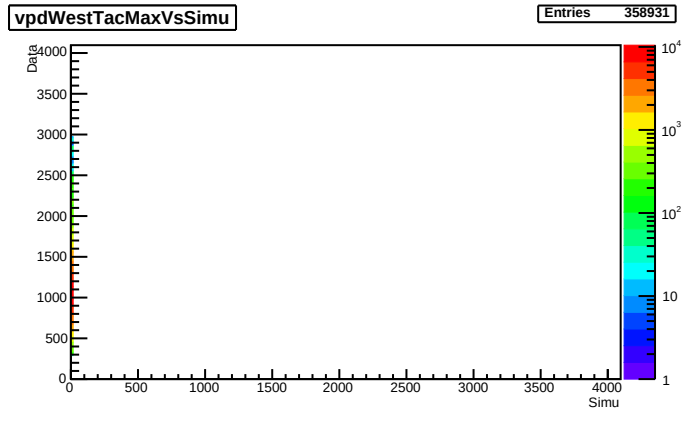
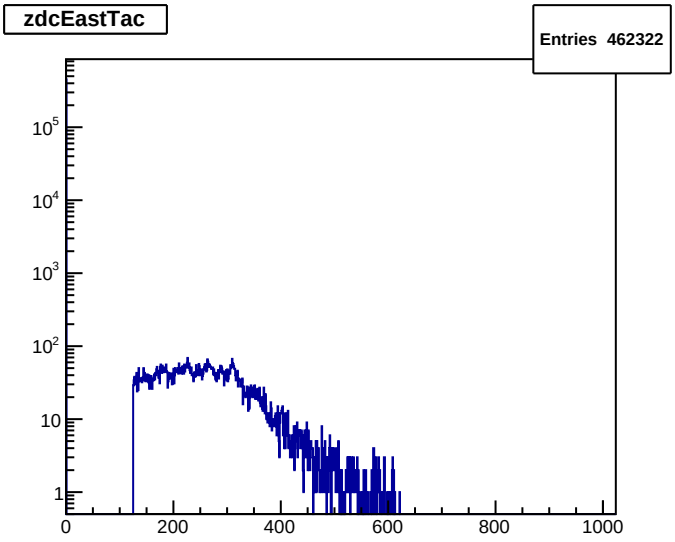
Entries 263541
Data
Simu

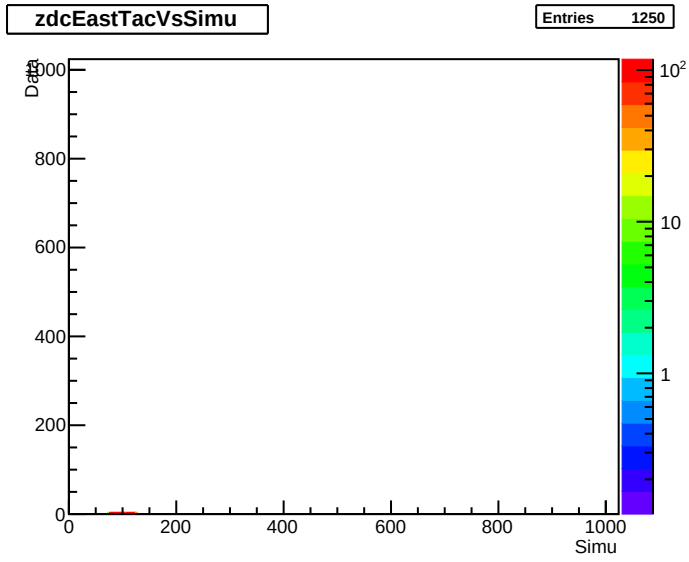

vpdWestAdcSum
Entries 462322

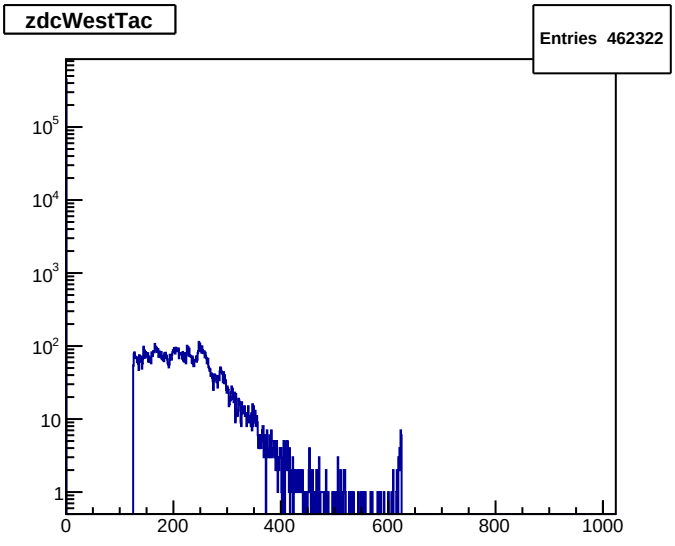

vpdWestAdcSumVsSimu
Entries 358931
Data
Simu

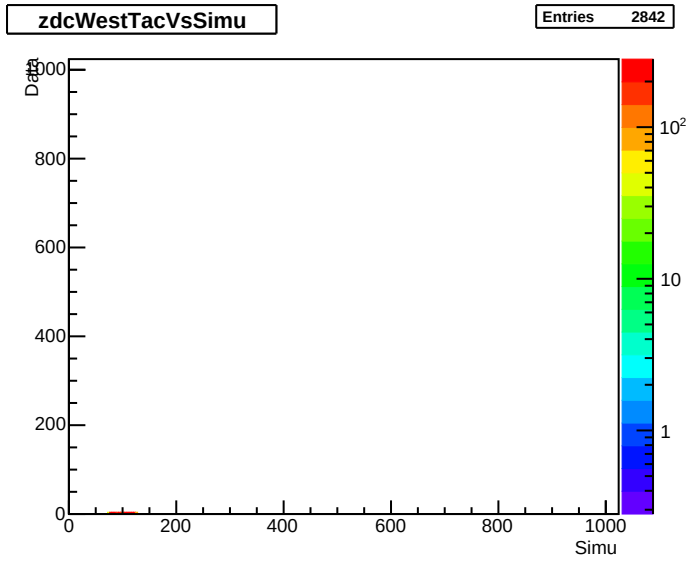

vpdWestTacMax
Entries 462322

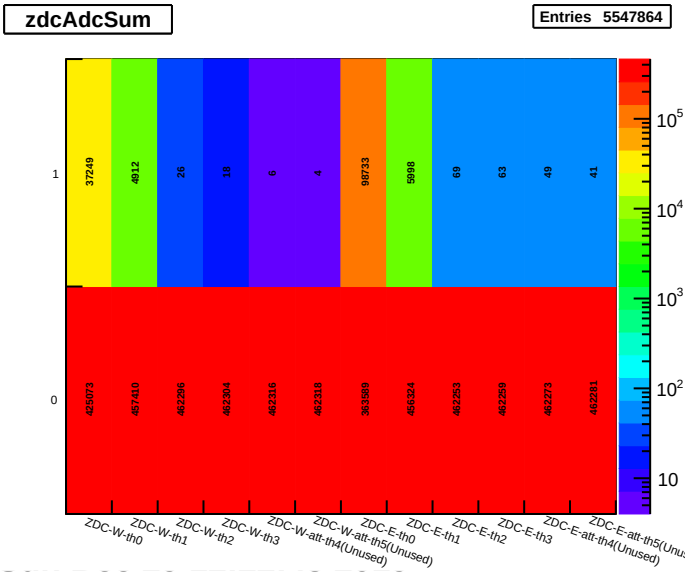

vpdWestTacMaxVsSimu
Entries 358931
Data
Simu

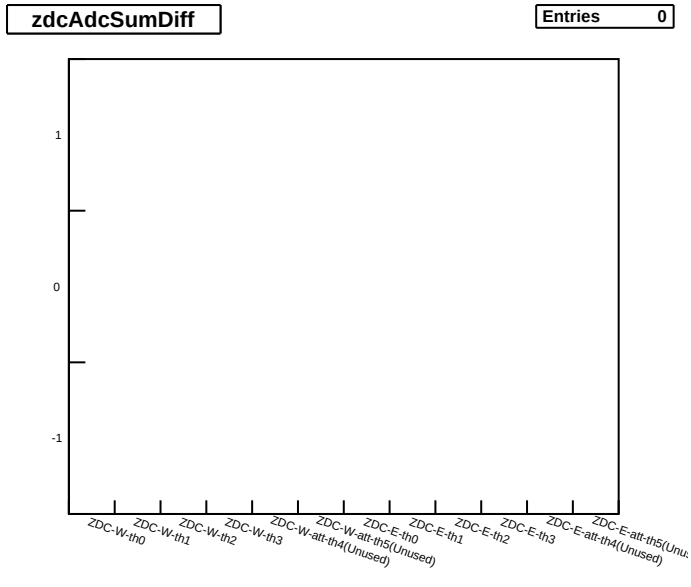

zdcEastTac
Entries 462322

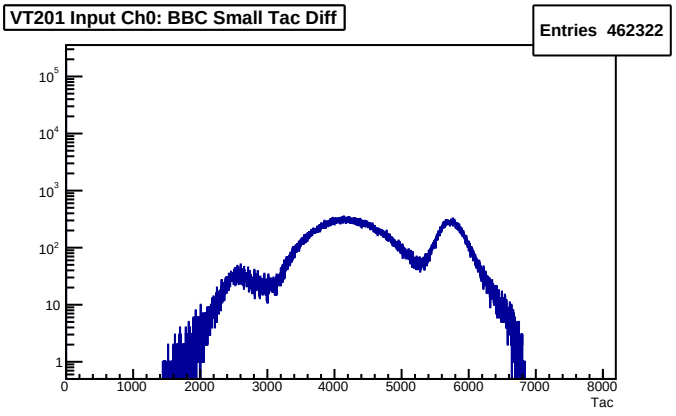

zdcEastTacVsSimu
Entries 1250
Data
Simu

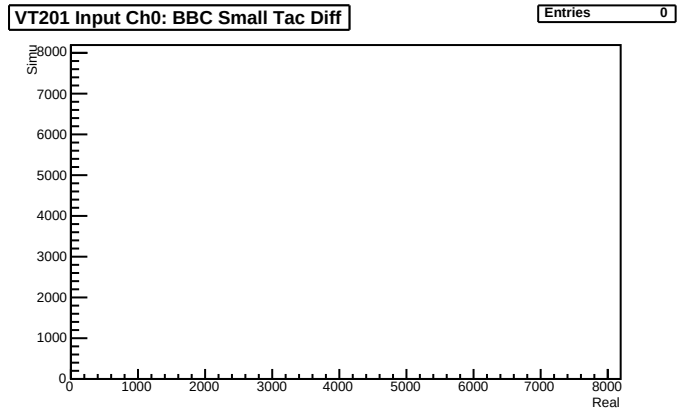

zdcWestTac
Entries 462322

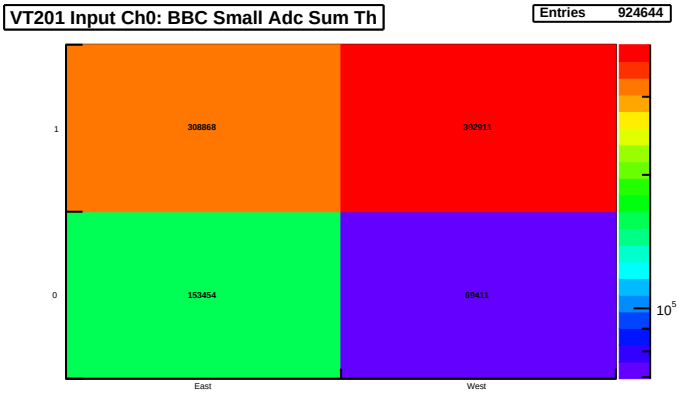

zdcWestTacVsSimu
Entries 2842
Data
Simu

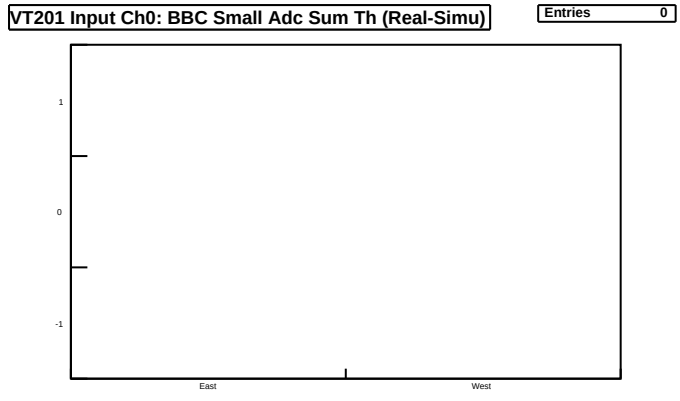

zdcAdcSum
Entries 5547864
37249
4912
26
18
6
4
98733
5998
69
63
49
41
425073
457410
462296
462304
462316
462318
363590
456324
462253
462259
462273
462281
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

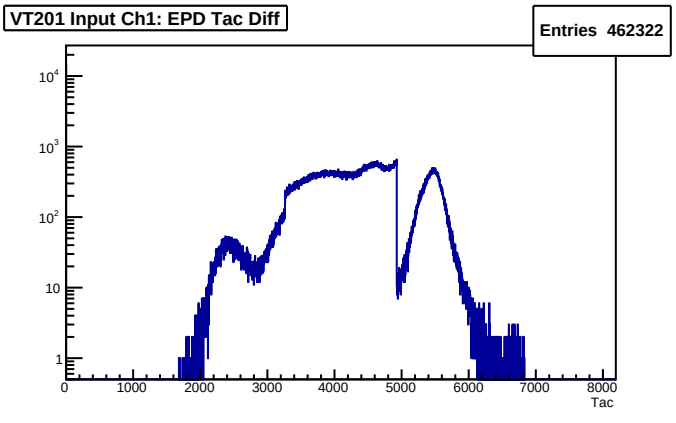

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

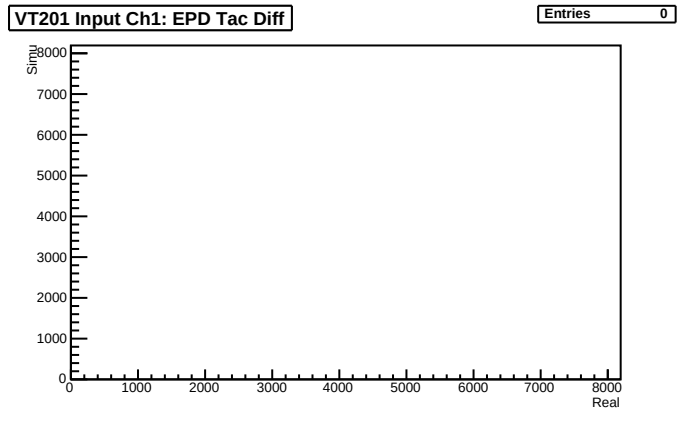

VT201 Input Ch0: BBC Small Tac Diff
Entries 462322
Tac

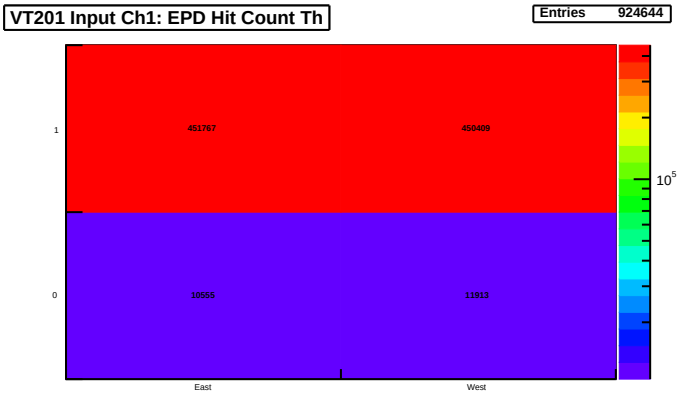

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

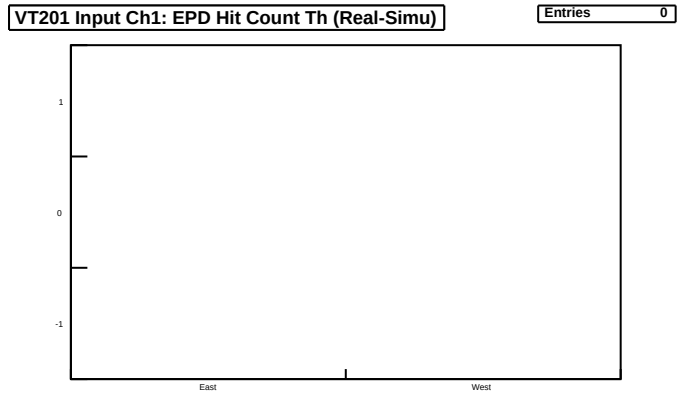

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 924644
308868
392911
153454
69411
East
West

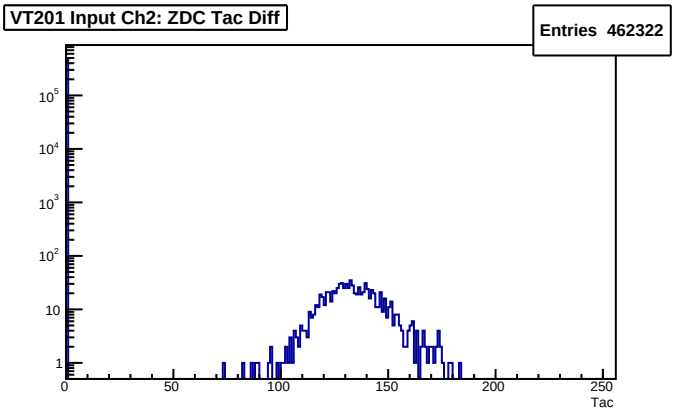

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

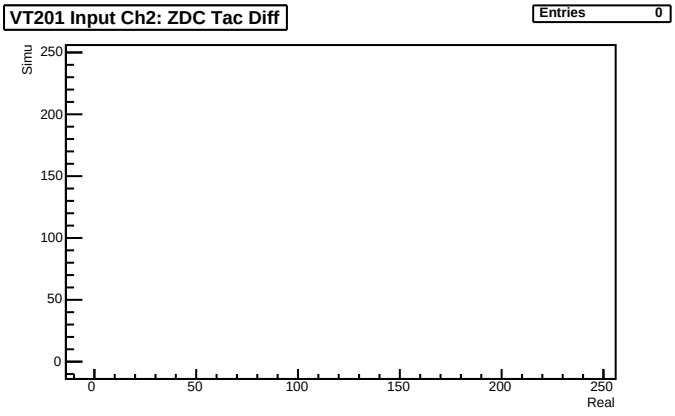

VT201 Input Ch1: EPD Tac Diff
Entries 462322
Tac

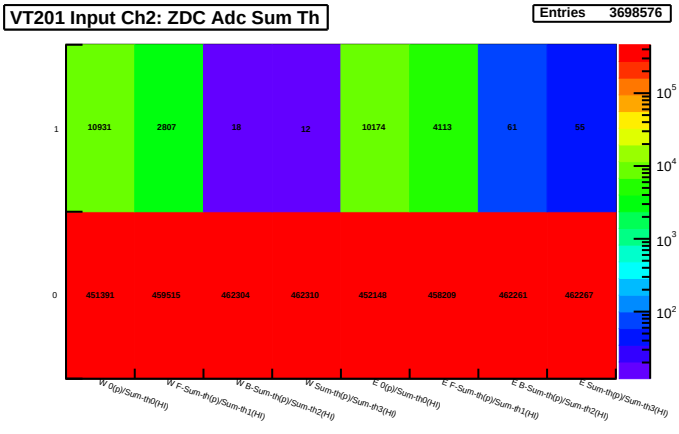

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

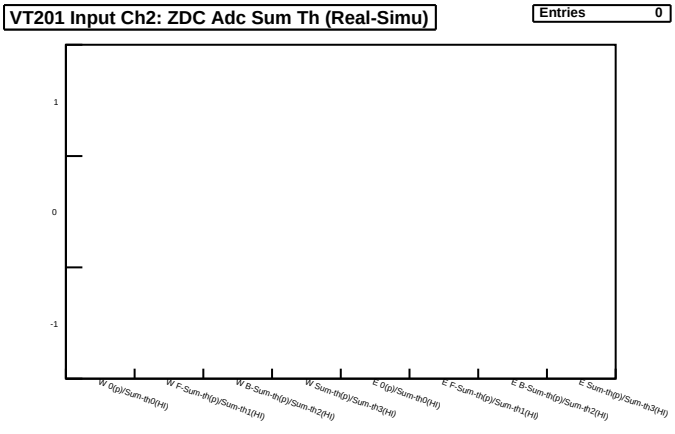

VT201 Input Ch1: EPD Hit Count Th
Entries 924644
451767
450409
10555
11913
East
West

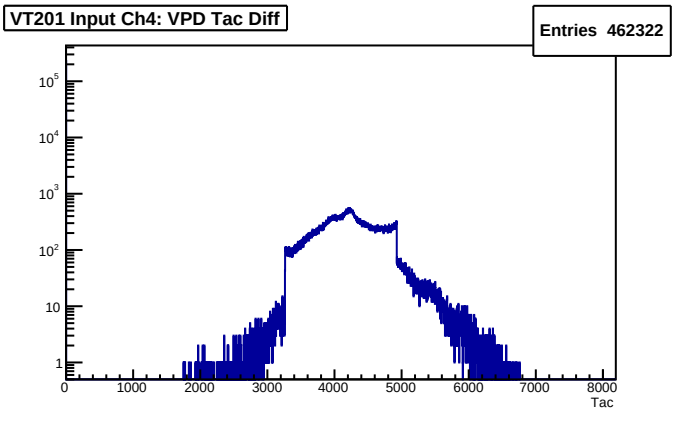

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

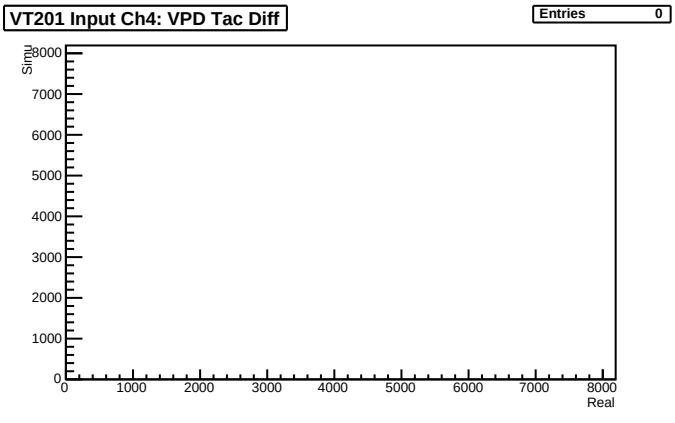

VT201 Input Ch2: ZDC Tac Diff
Entries 462322
Tac

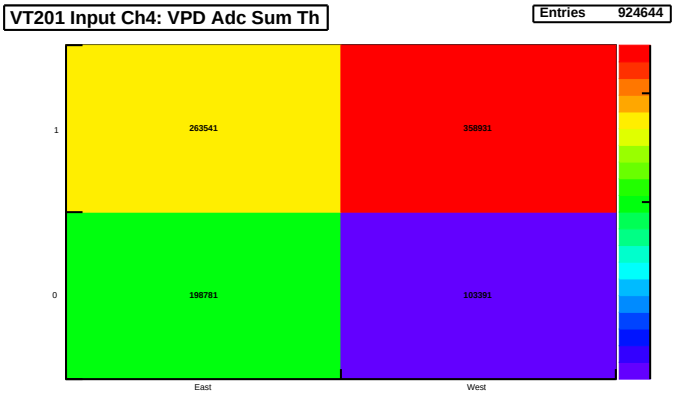

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

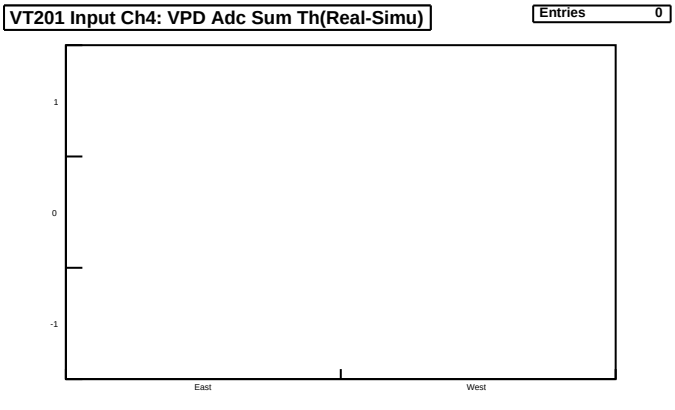

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3698576
10931
2807
18
12
10174
4113
61
55
451391
459515
462304
462310
452148
458209
462261
462267
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

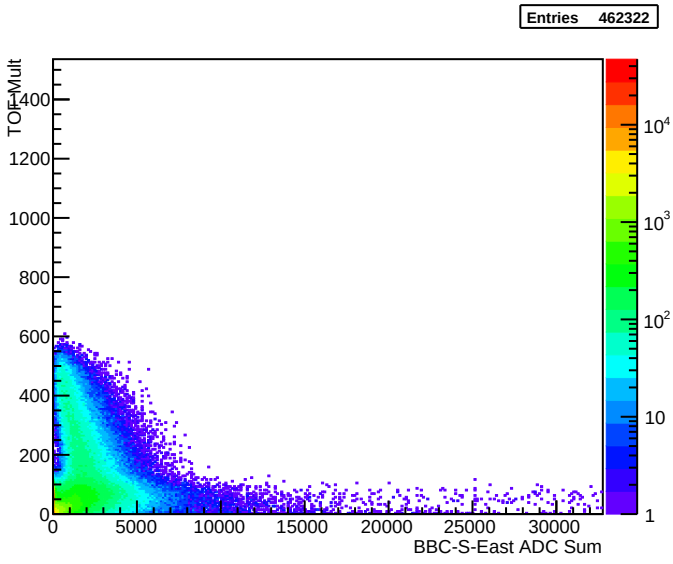

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

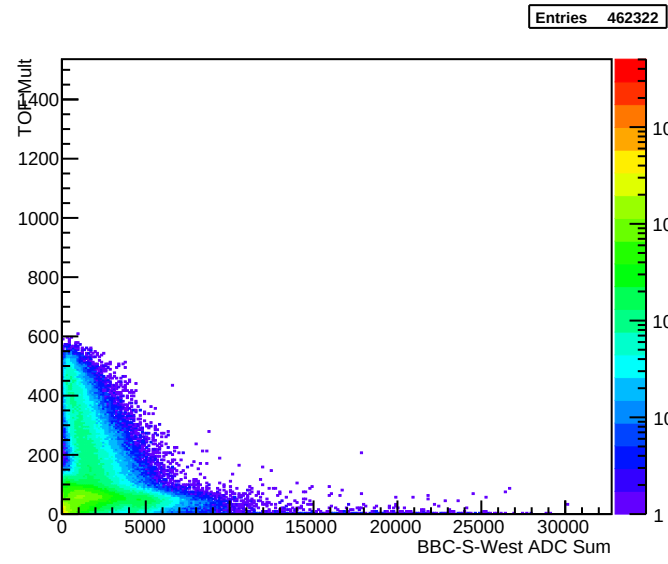

VT201 Input Ch4: VPD Tac Diff
Entries 462322
Tac

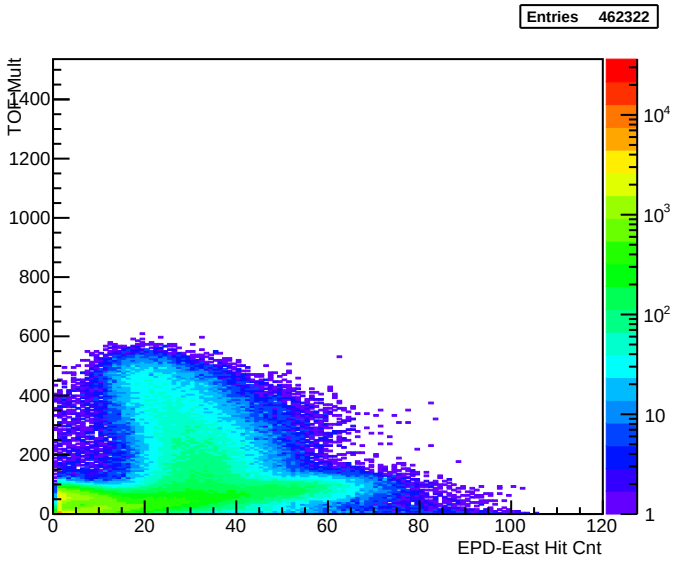

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

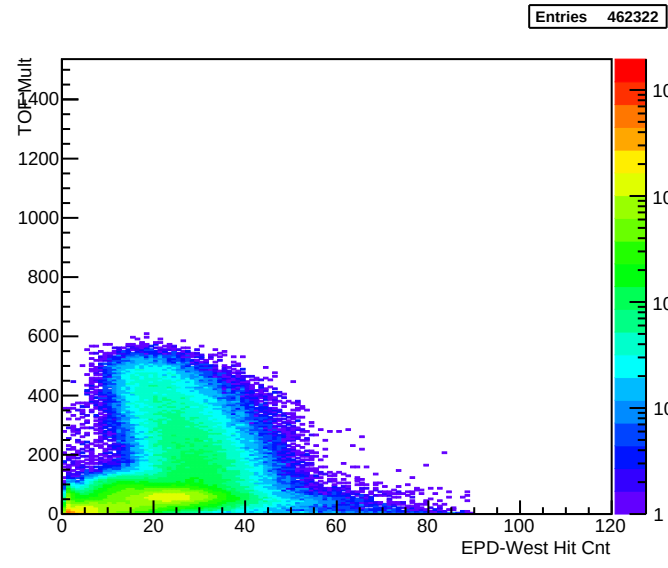

VT201 Input Ch4: VPD Adc Sum Th
Entries 924644
263541
358931
198781
103391
East
West

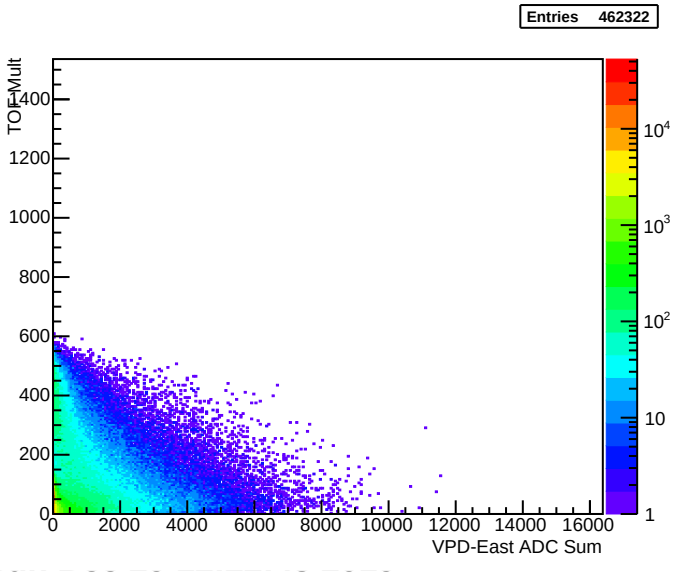

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

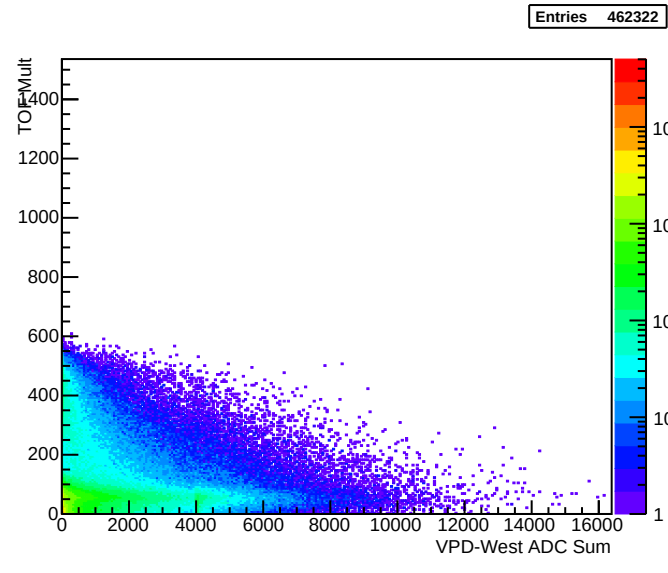

Entries 462322
TOF-Mult
BBC-S-East ADC Sum

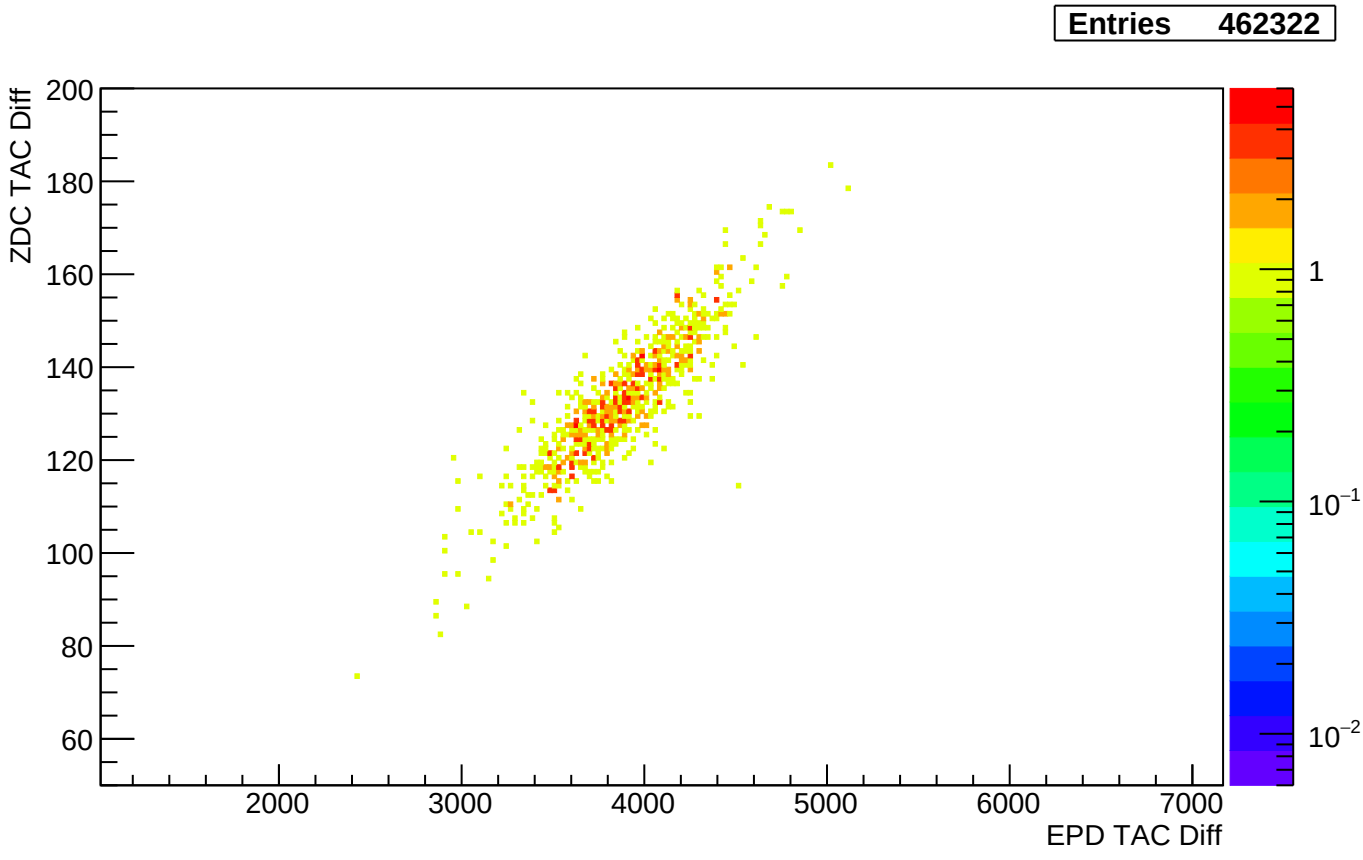

Entries 462322
TOF-Mult
BBC-S-West ADC Sum

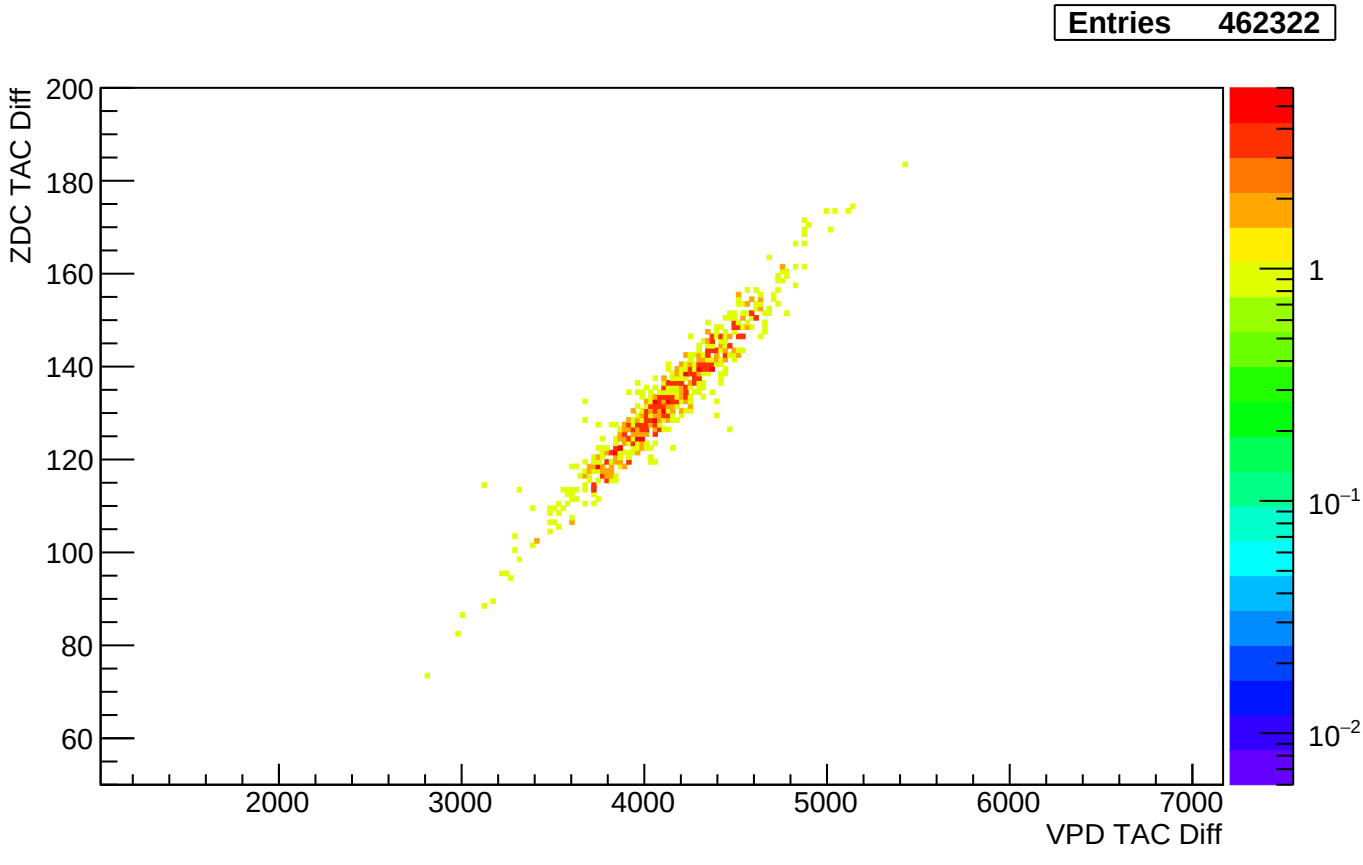

Entries 462322
TOF-Mult
EPD-East Hit Cnt

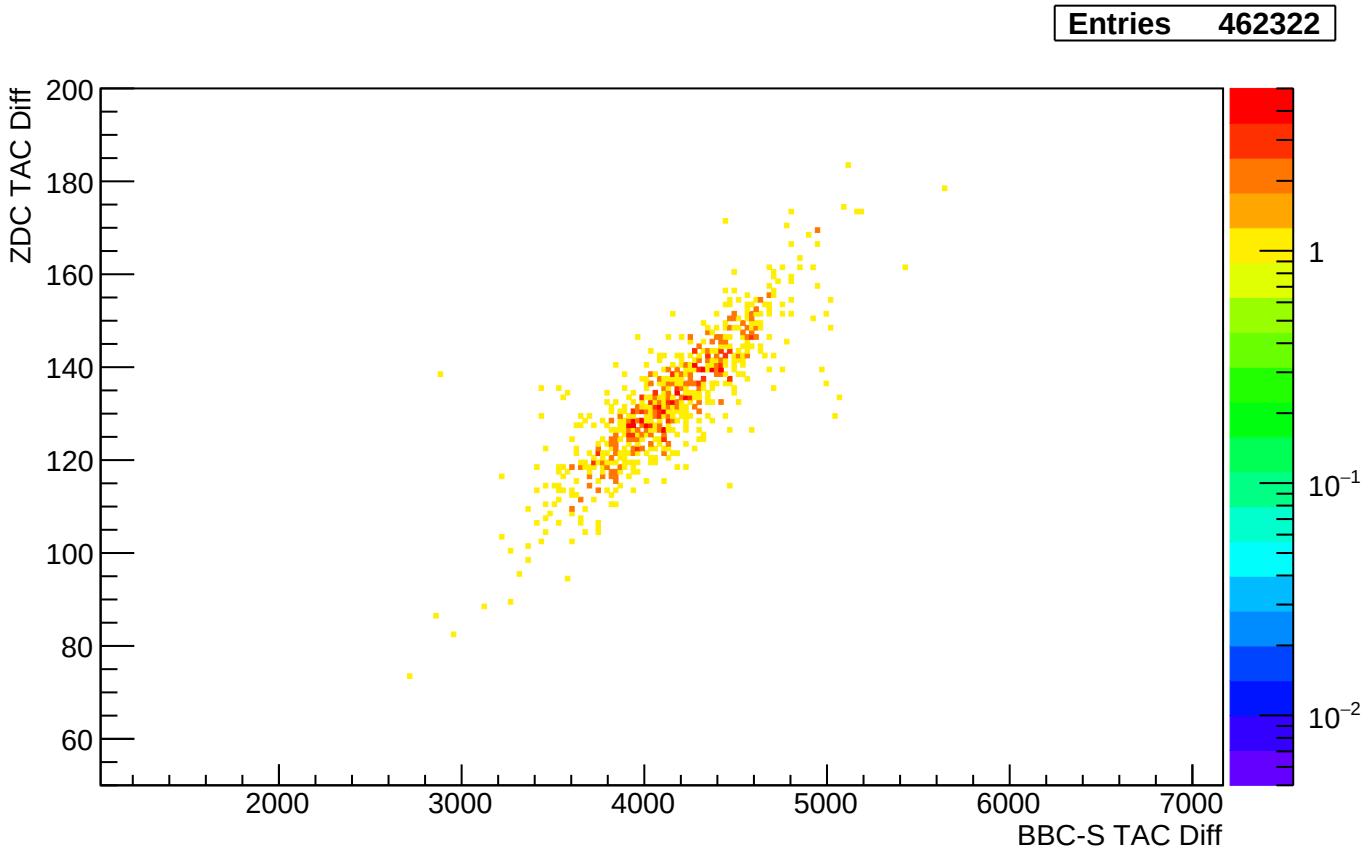

Entries 462322
TOF-Mult
EPD-West Hit Cnt

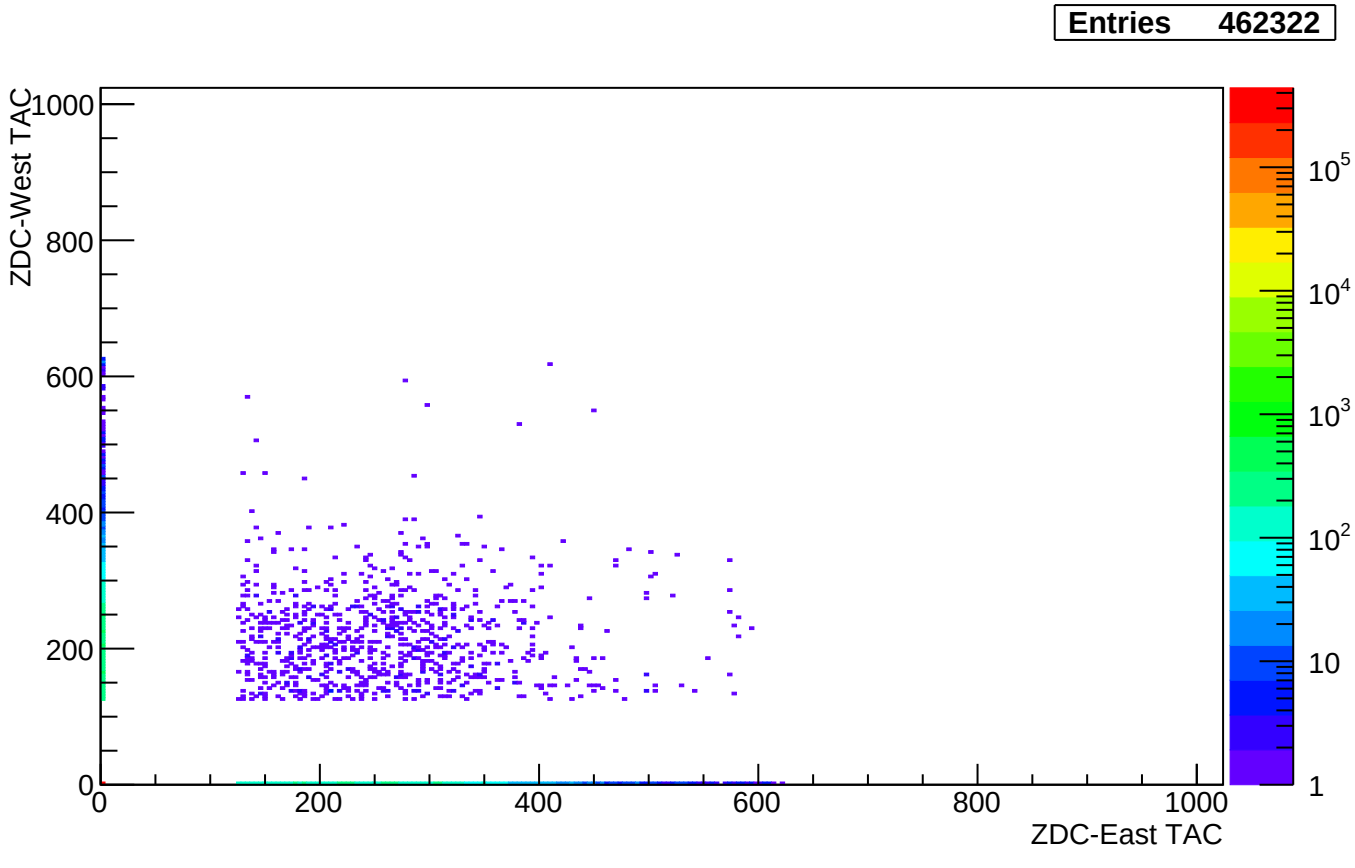

Entries 462322
TOF-Mult
VPD-East ADC Sum

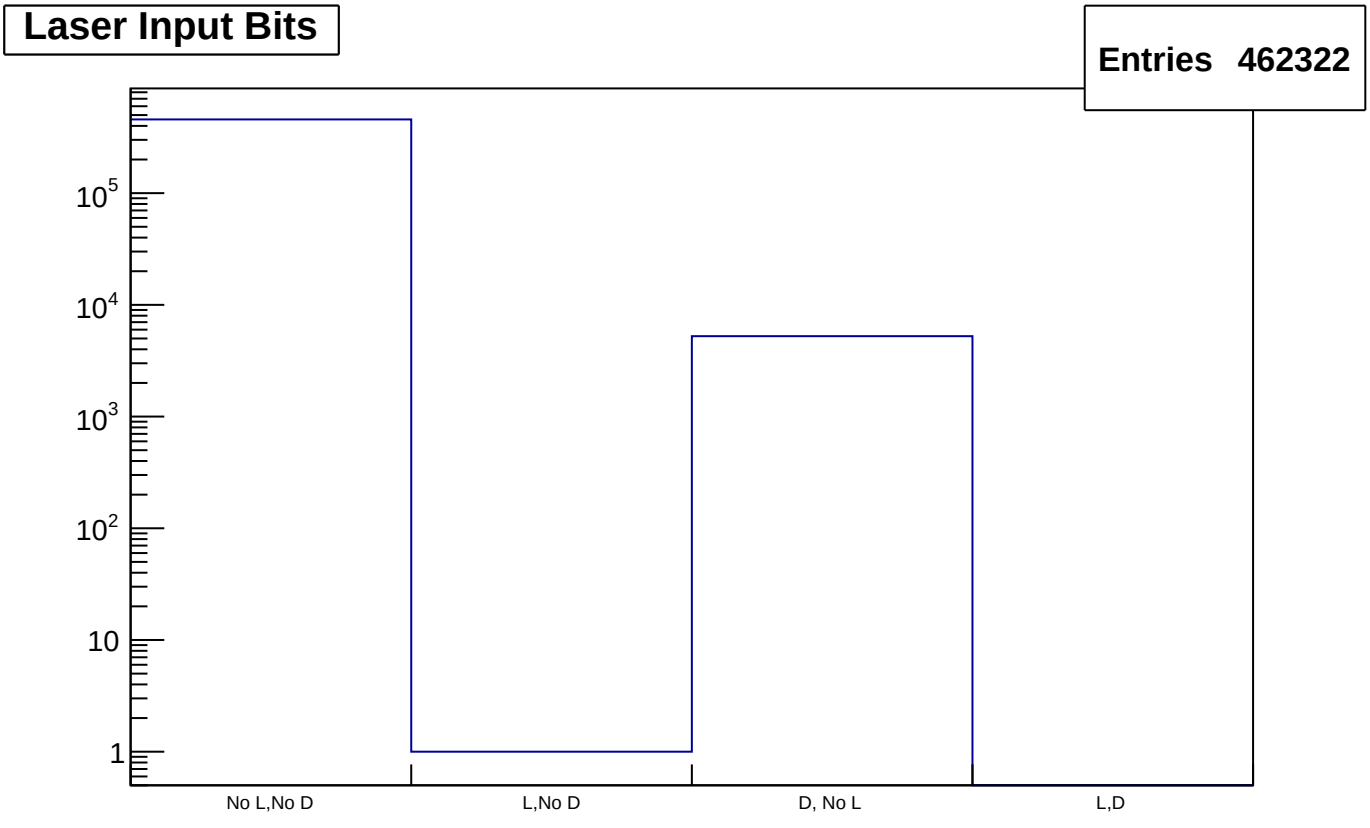

Entries 462322
TOF-Mult
VPD-West ADC Sum

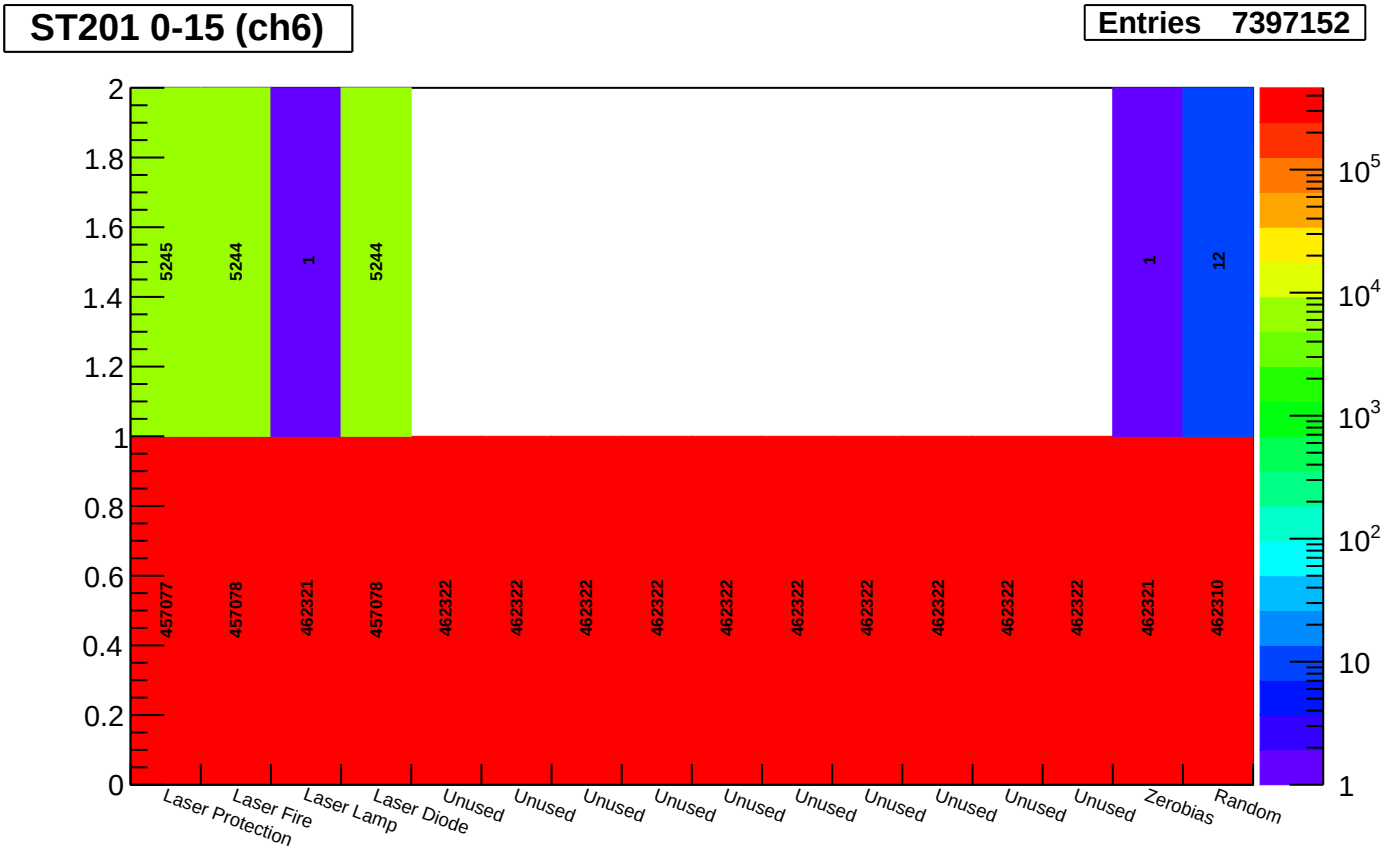

Entries 462322
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

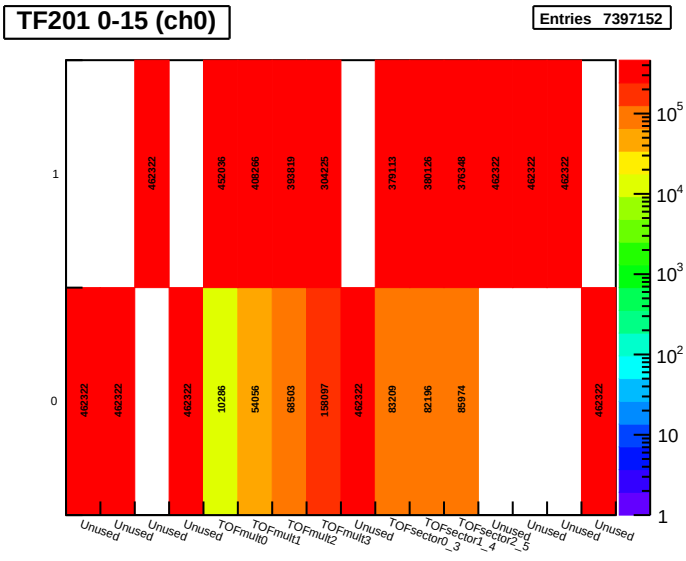

Entries 462322
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

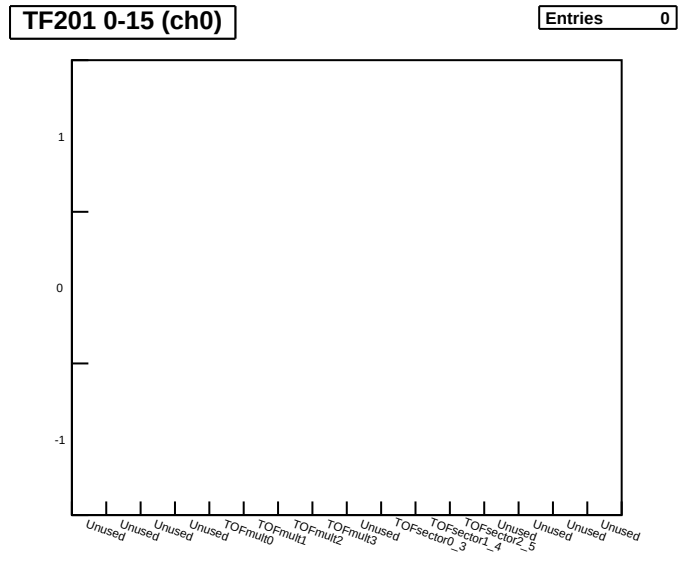

Entries 462322
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

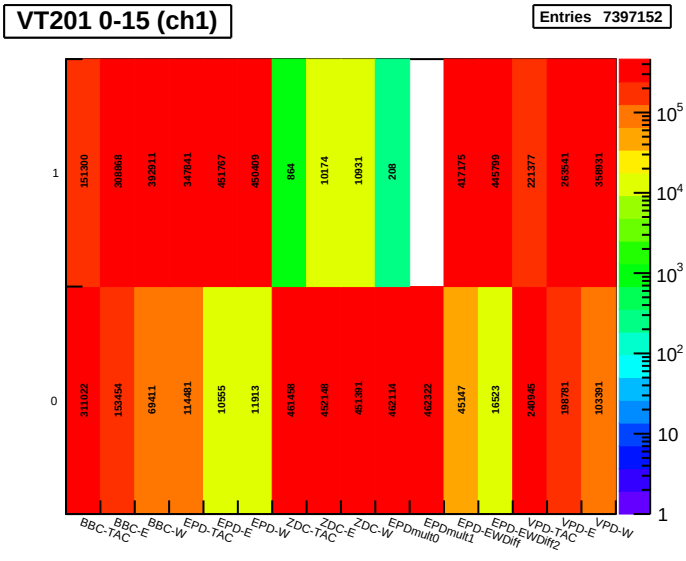

Entries 462322
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

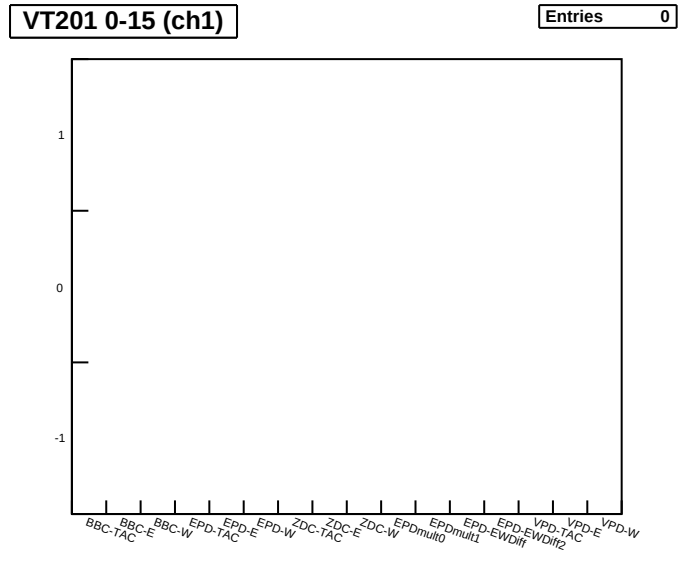

Laser Input Bits
Entries 462322
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

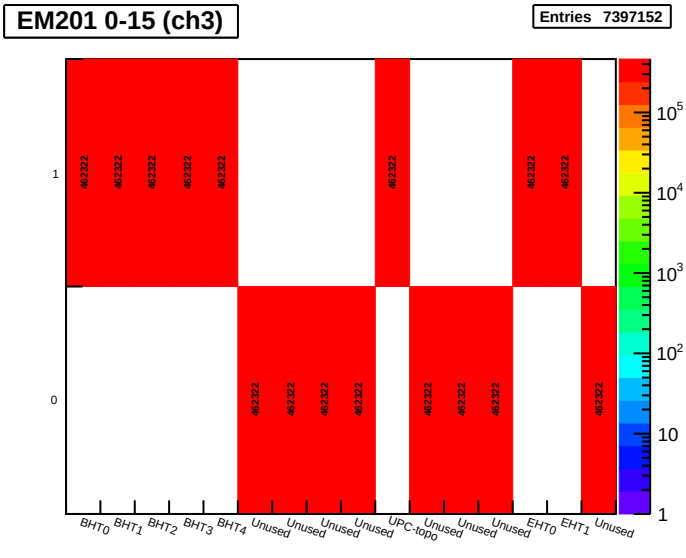

ST201 0-15 (ch6)
Entries 7397152
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5245
5244
1
5244
1
12
457077
457078
462321
457078
462322
462322
462322
462322
462322
462322
462322
462322
462322
462322
462321
462310
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

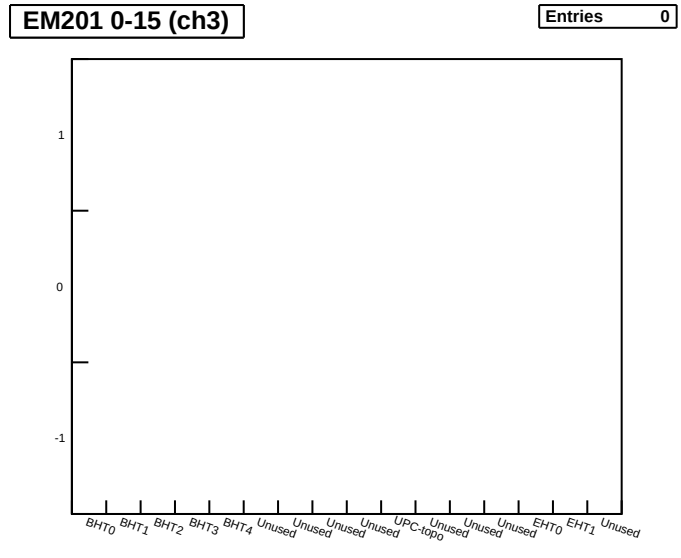

TF201 0-15 (ch0)
Entries 7397152
1
0
462322
452036
408266
383819
304225
379113
360126
376348
462322
462322
462322
462322
462322
462322
10286
54056
68503
158097
462322
83209
82196
85974
462322
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
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 7397152
1
0
151300
308868
392911
347841
451767
450409
864
10174
10931
208
417175
445799
221377
263541
358931
311022
153454
69411
114481
10555
11913
461458
452148
451391
462114
462322
45147
16523
240945
198781
103391
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 7397152
1
0
462322
462322
462322
462322
462322
462322
462322
462322
462322
462322
462322
462322
462322
462322
462322
462322
462322
462322
462322
462322
462322
462322
462322
462322
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