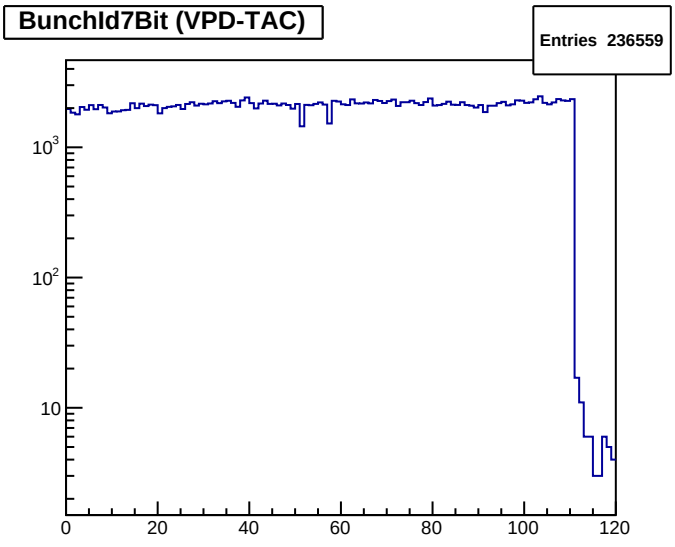
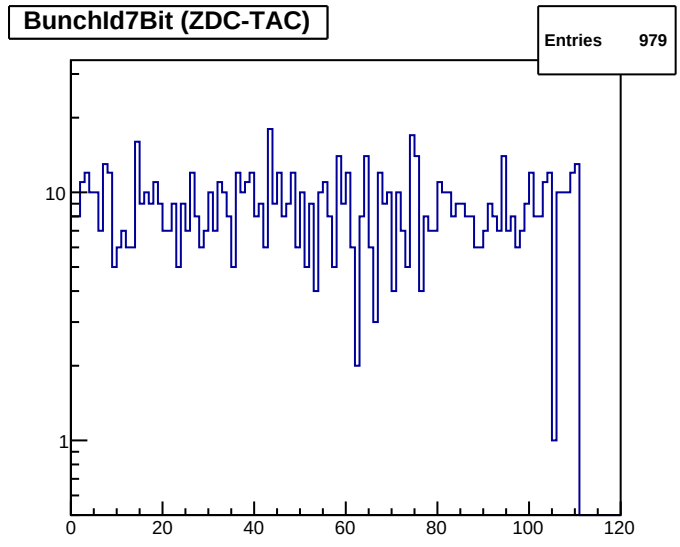
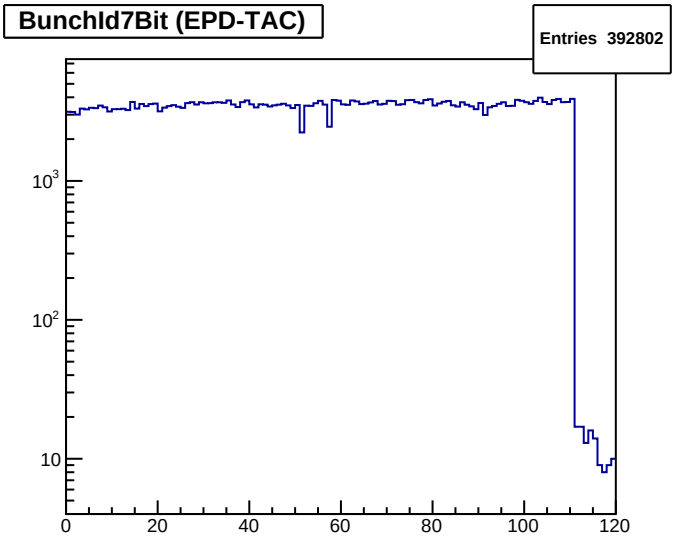
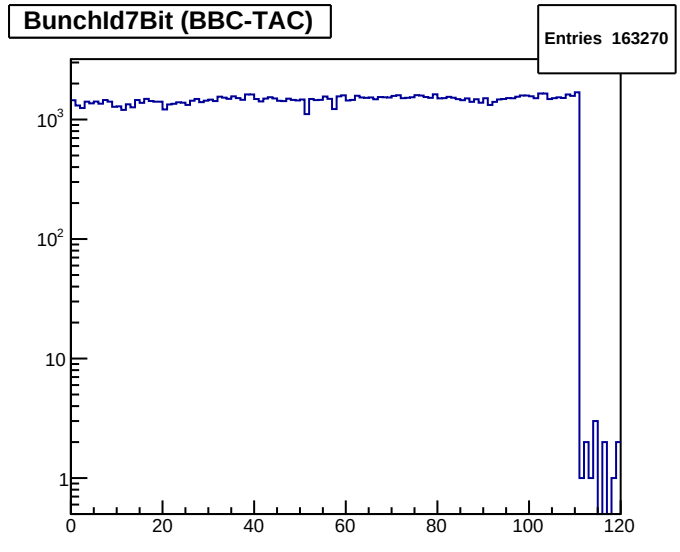
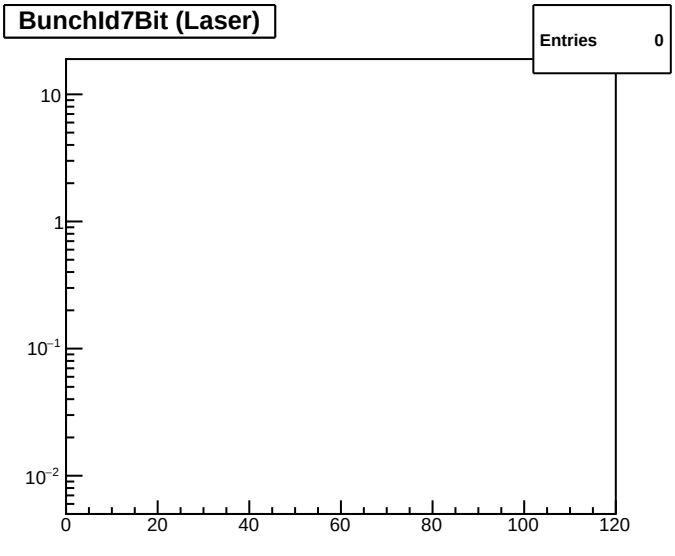
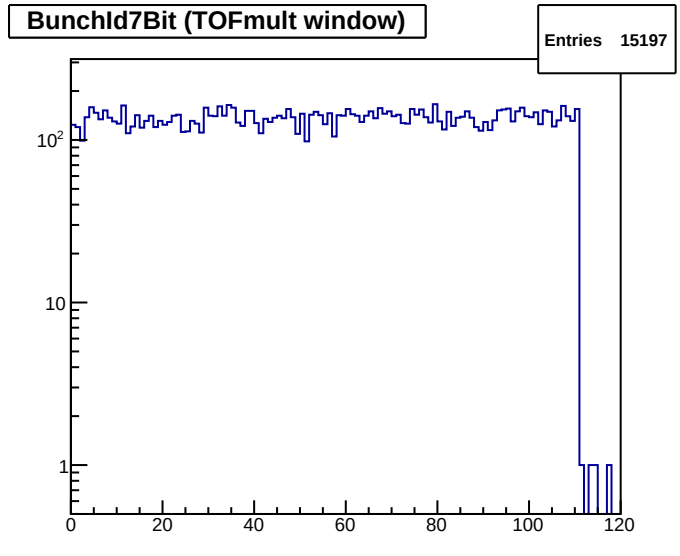

BunchId7Bit (VPD-TAC)
Entries 236559

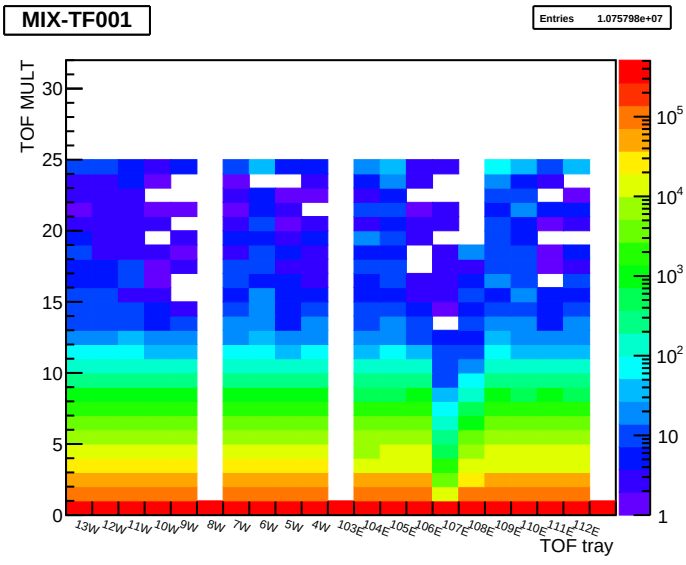

BunchId7Bit (ZDC-TAC)
Entries 979

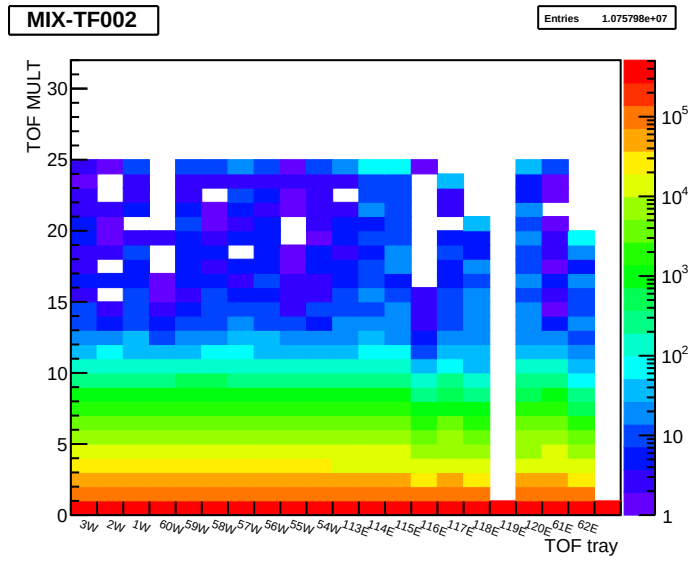

BunchId7Bit (EPD-TAC)
Entries 392802

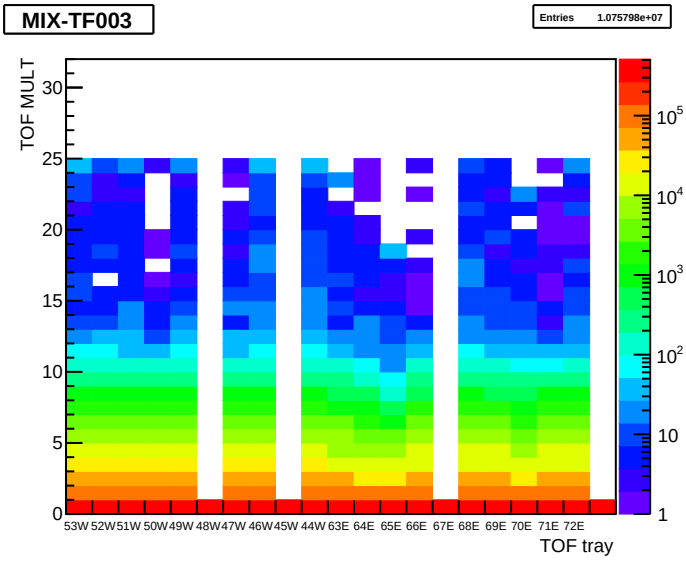

BunchId7Bit (BBC-TAC)
Entries 163270

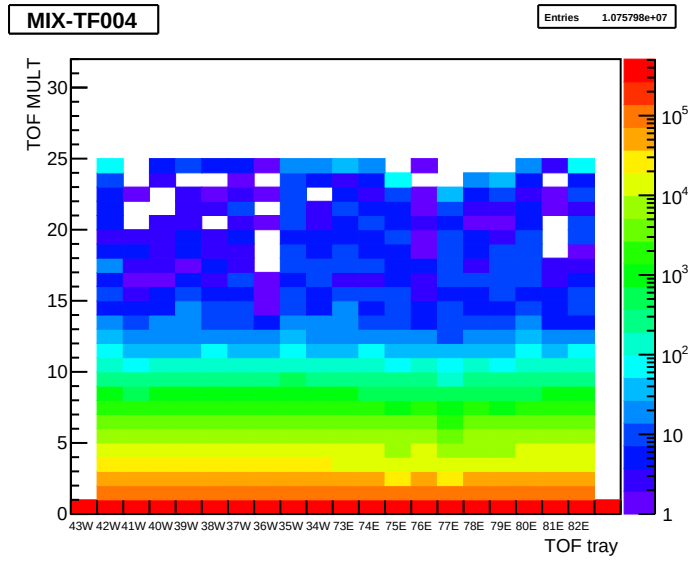

BunchId7Bit (Laser)
Entries 0

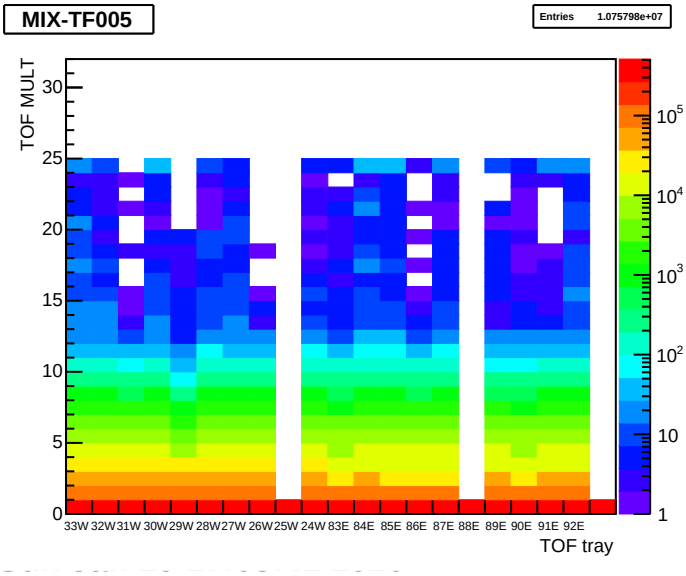

BunchId7Bit (TOFmult window)
Entries 15197

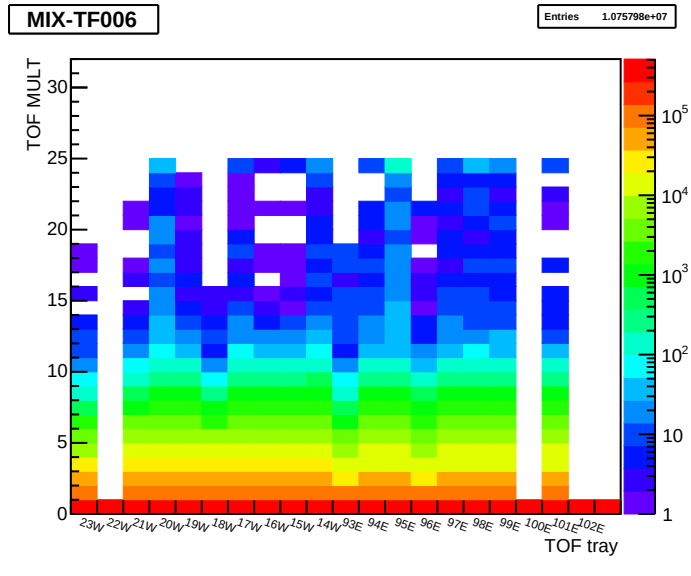

MIX-TF001
Entries 1.075798e+07
TOF MULT
TOF tray

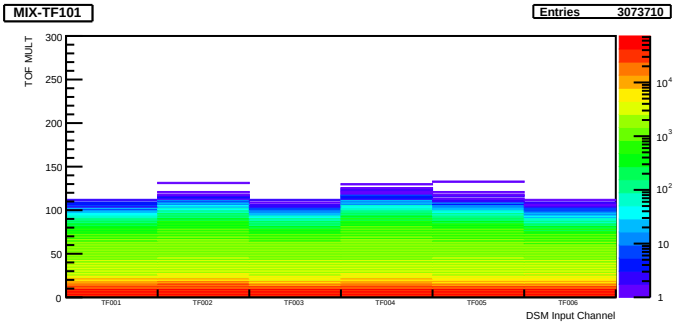

MIX-TF002
Entries 1.075798e+07
TOF MULT
TOF tray

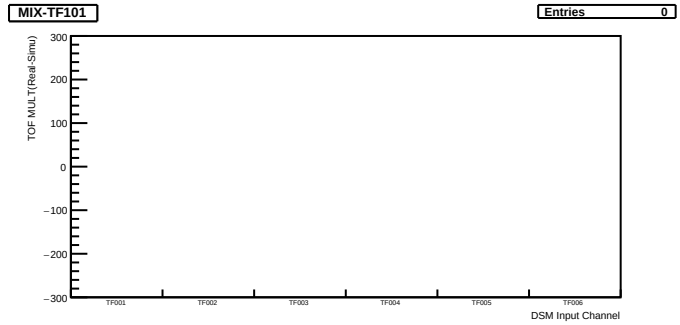

MIX-TF003
Entries 1.075798e+07
TOF MULT
TOF tray

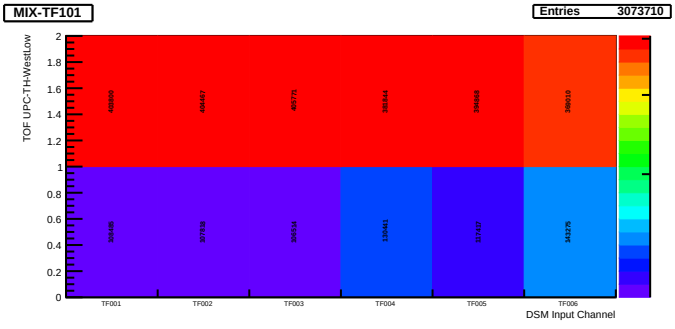

MIX-TF004
Entries 1.075798e+07
TOF MULT
TOF tray

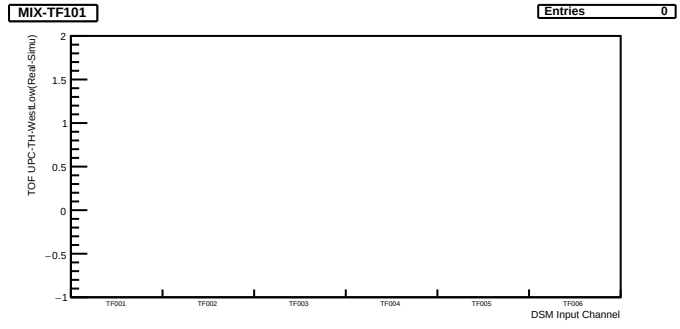

MIX-TF005
Entries 1.075798e+07
TOF MULT
TOF tray

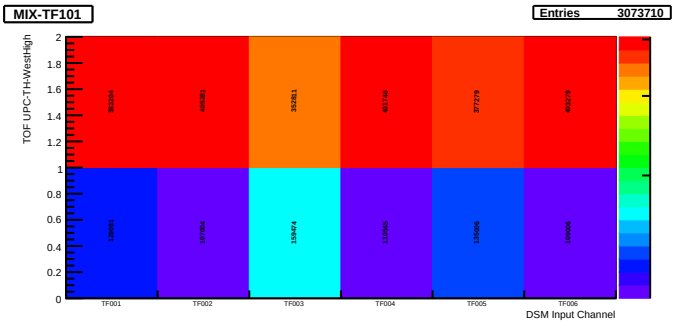

MIX-TF006
Entries 1.075798e+07
TOF MULT
TOF tray

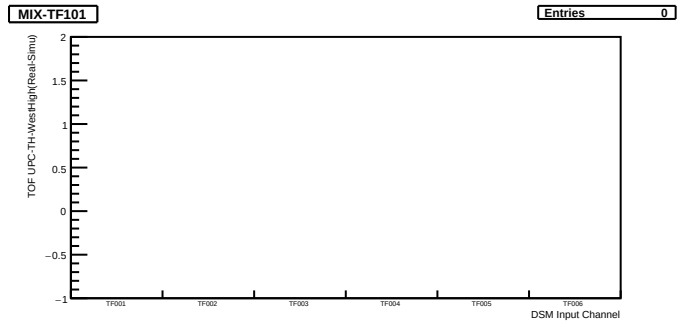

MIX-TF101
Entries 3073710
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

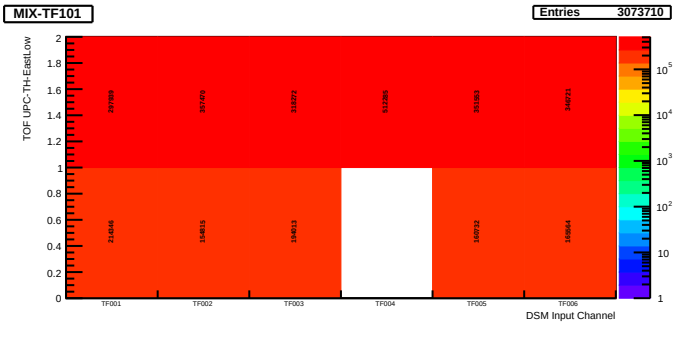

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

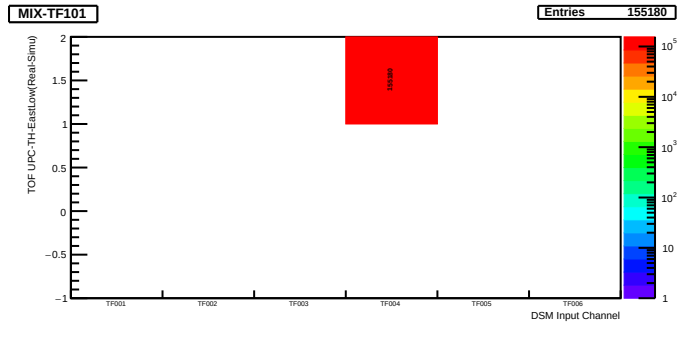

MIX-TF101
Entries 3073710
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

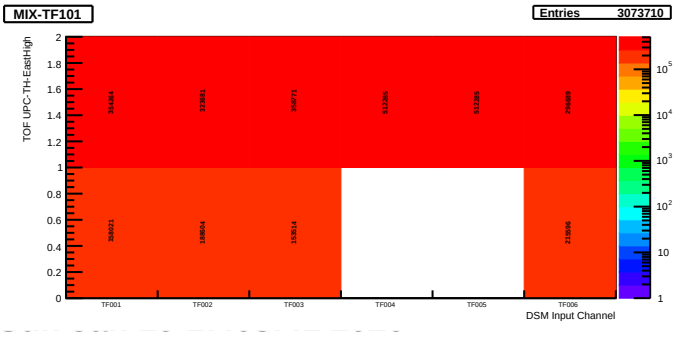

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

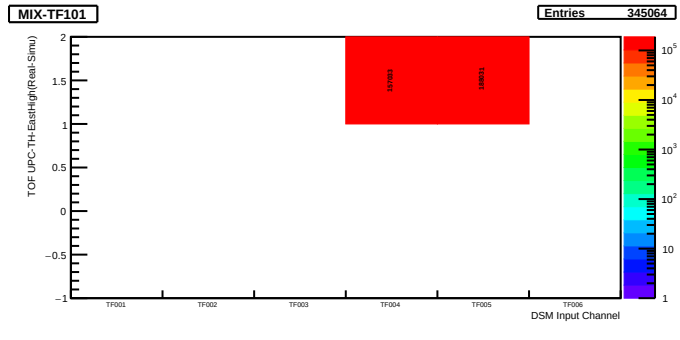

MIX-TF101
Entries 3073710
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

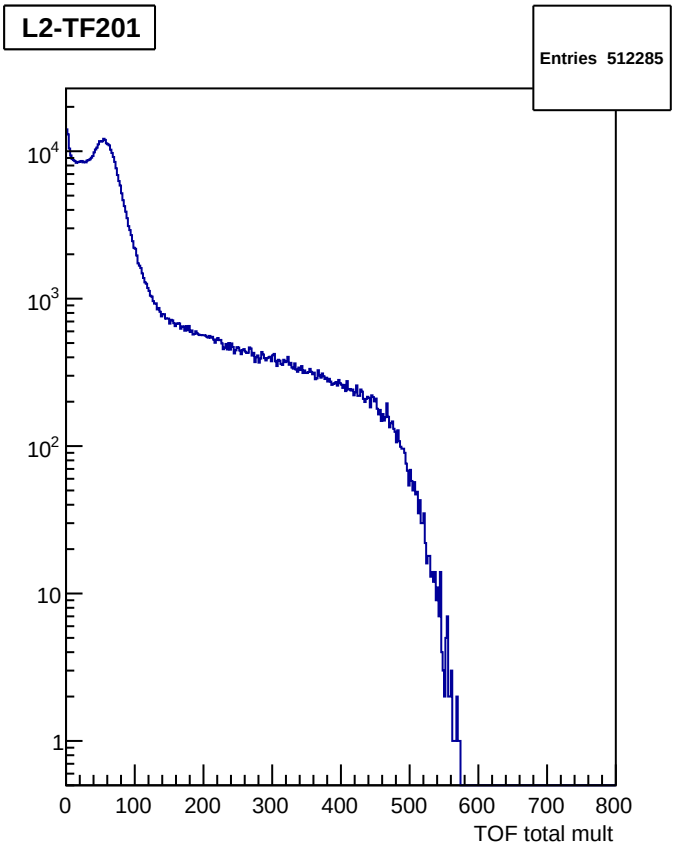

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

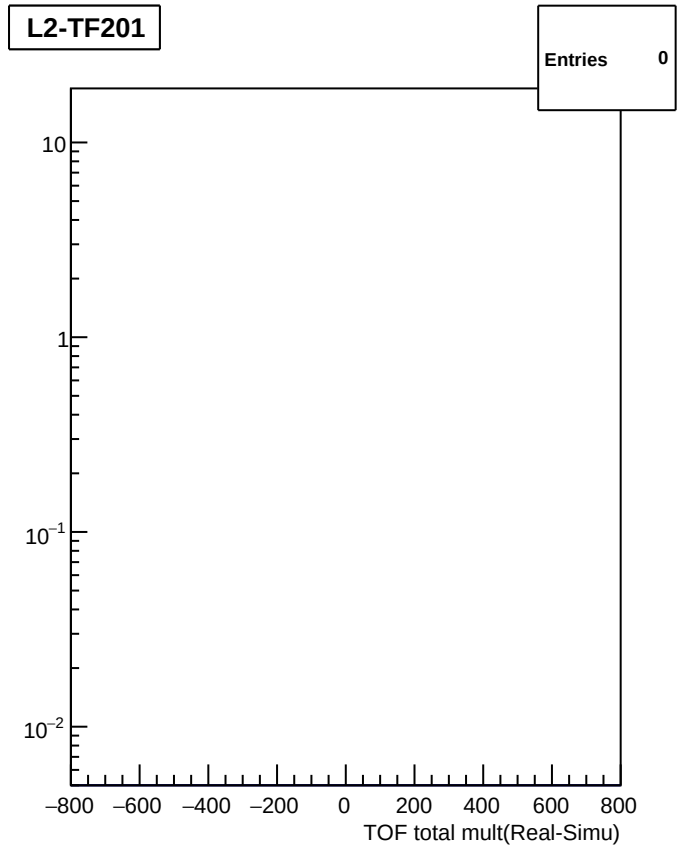

MIX-TF101
Entries 3073710
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

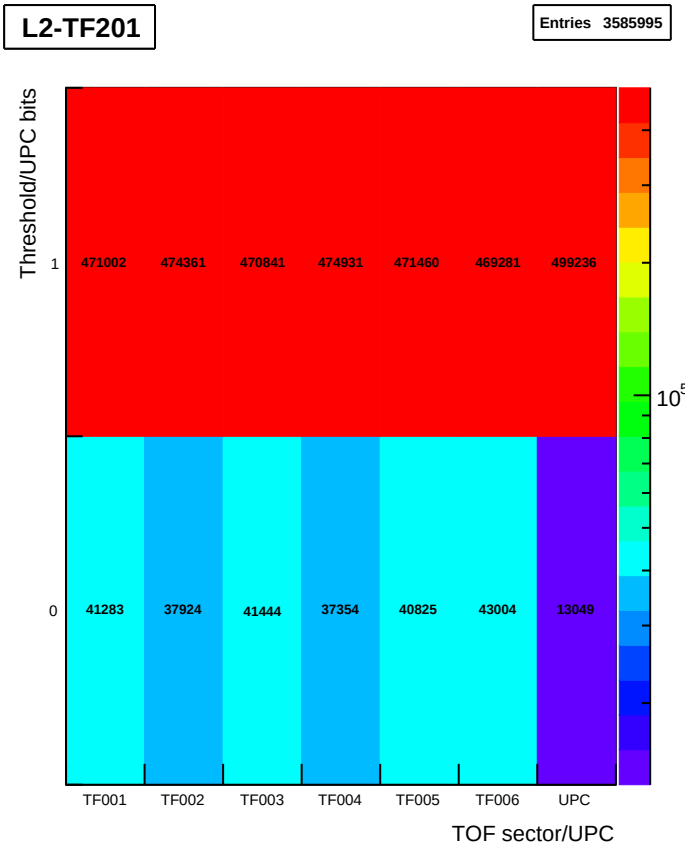

MIX-TF101
Entries 155180
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

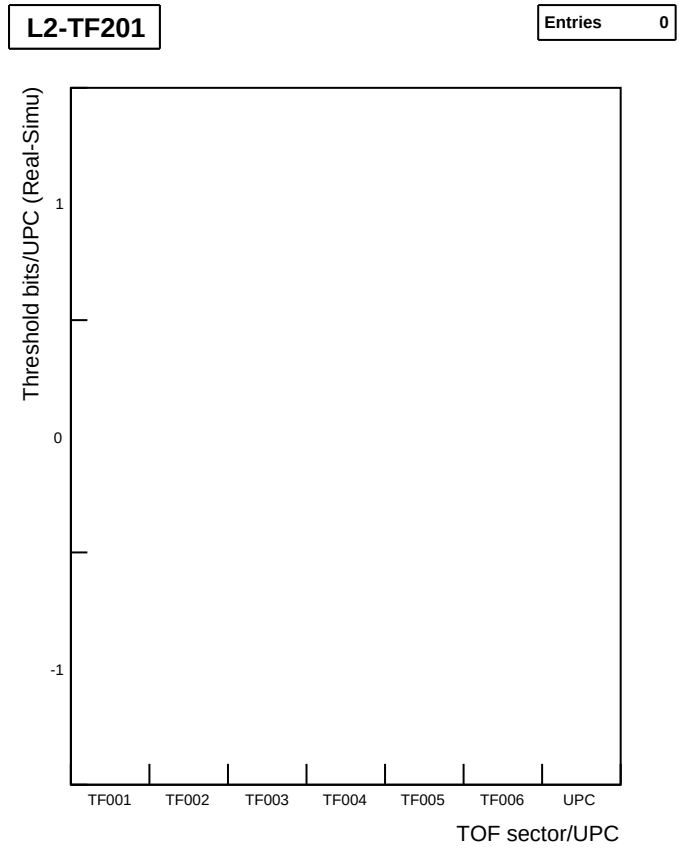

MIX-TF101
Entries 3073710
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

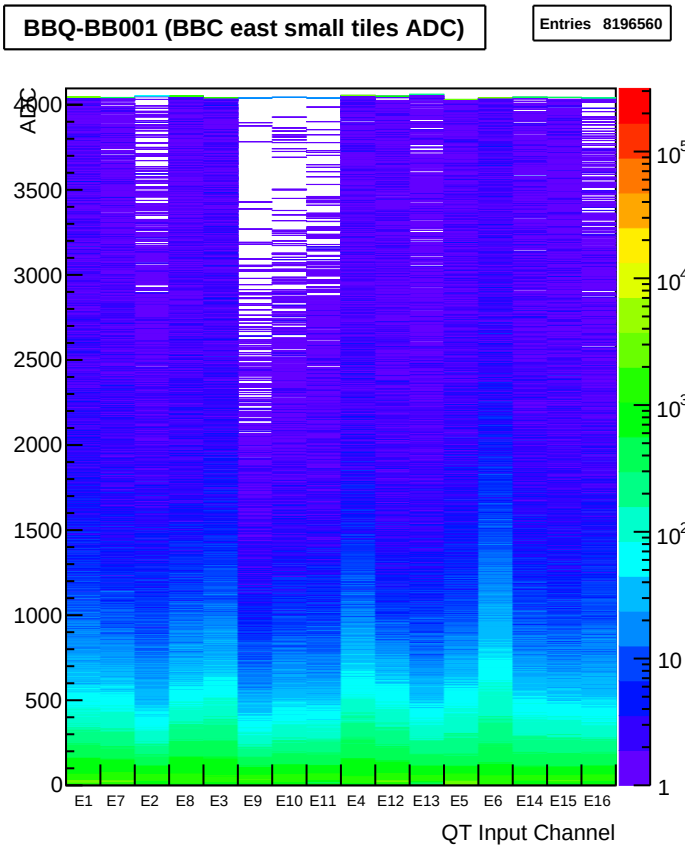

MIX-TF101
Entries 345064
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

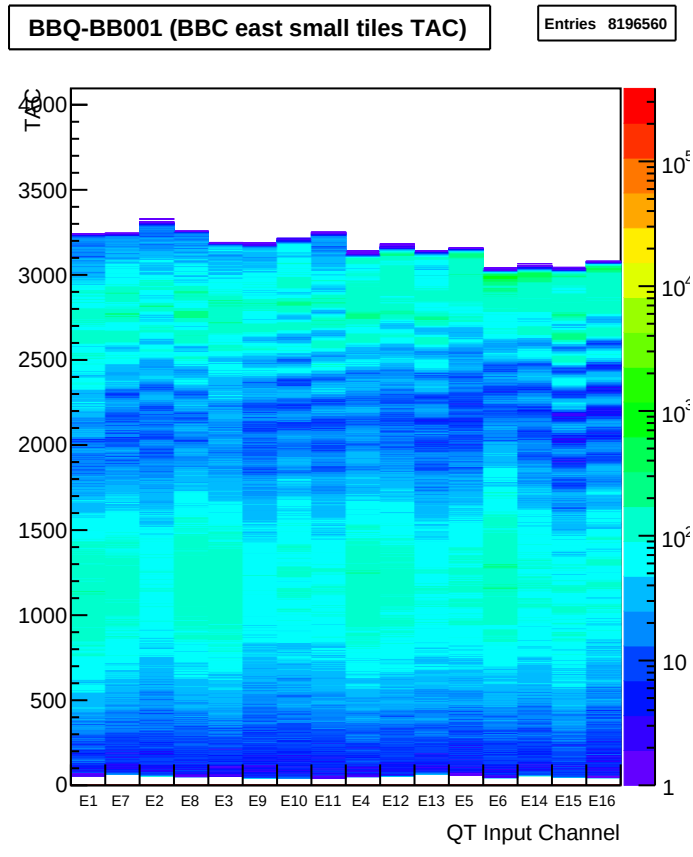

L2-TF201
Entries 512285
TOF total mult

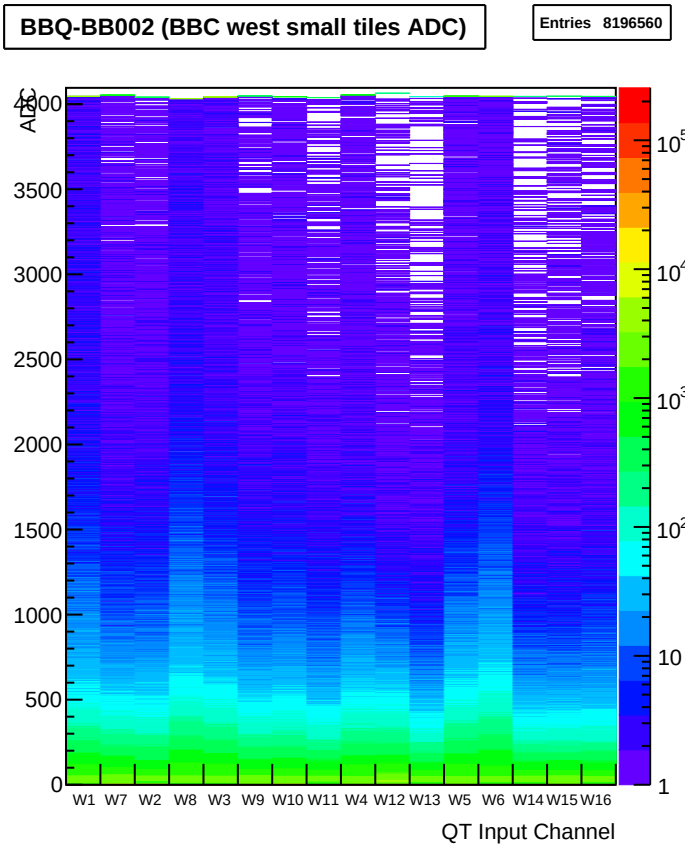

L2-TF201
Entries 0
TOF total mult(Real-Simu)

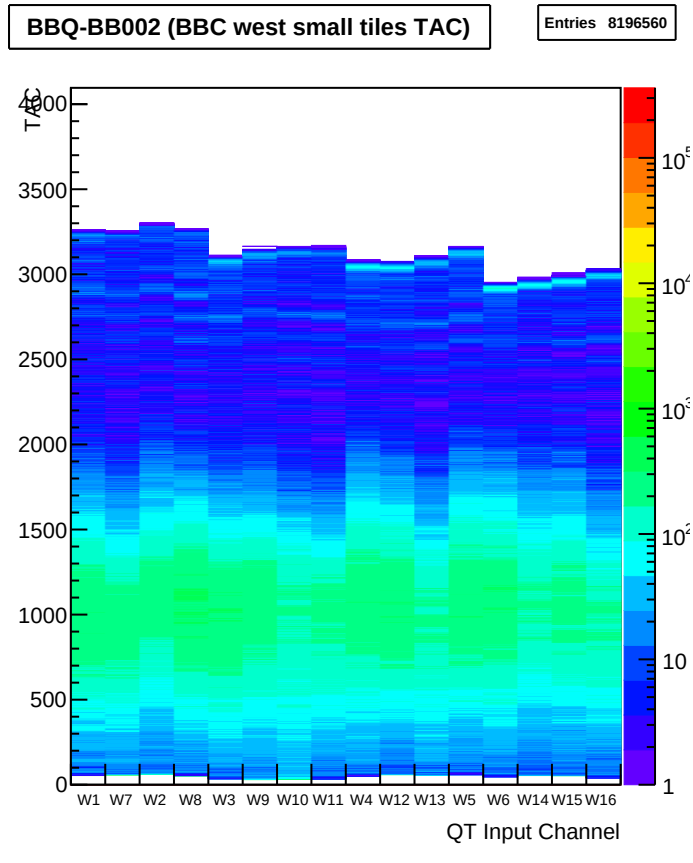

L2-TF201
Entries 3585995
Threshold/UPC bits
471002
474361
470841
474931
471460
469281
499236
41283
37924
41444
37354
40825
43004
13049
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

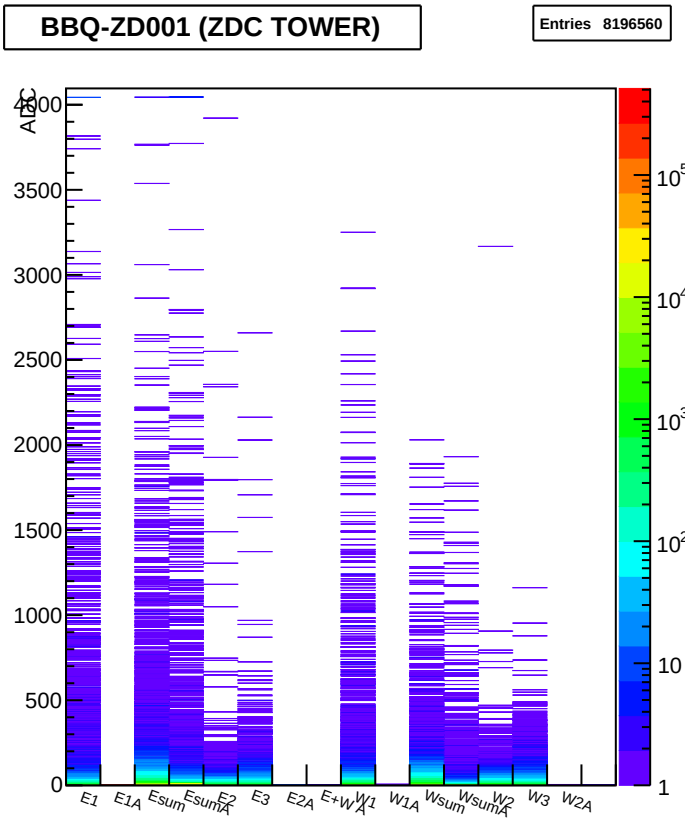

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

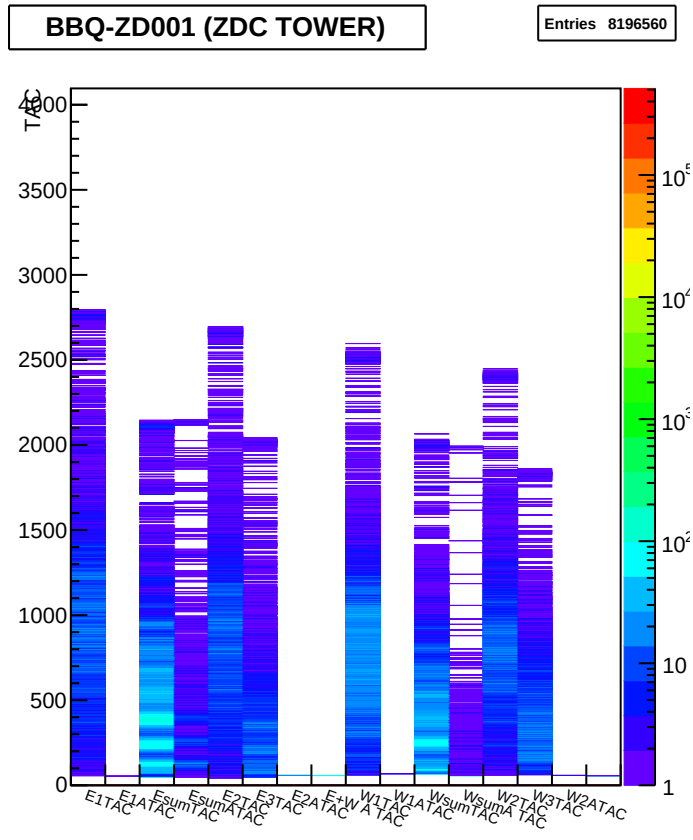

BBQ-BB001 (BBC east small tiles ADC)
Entries 8196560
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

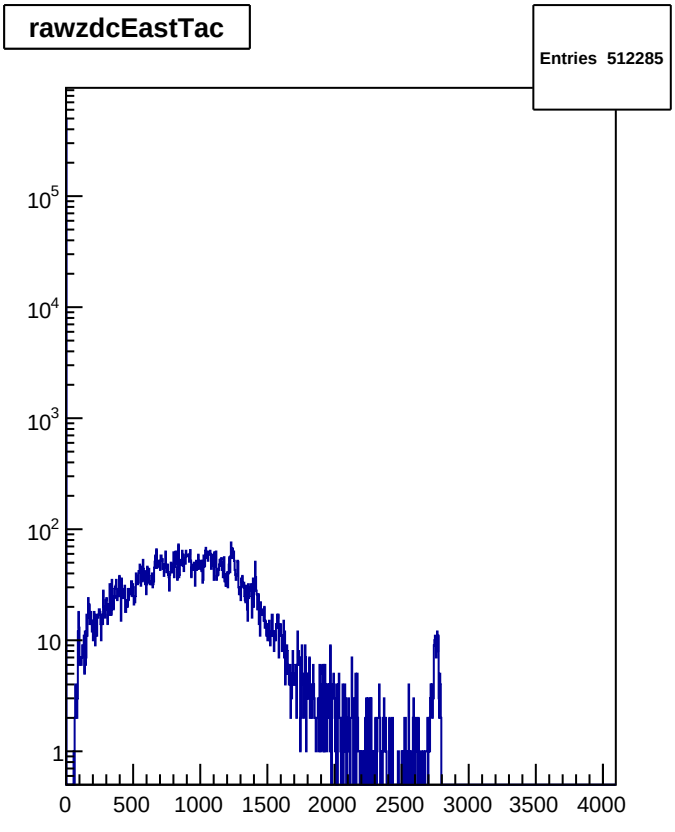

BBQ-BB001 (BBC east small tiles TAC)
Entries 8196560
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

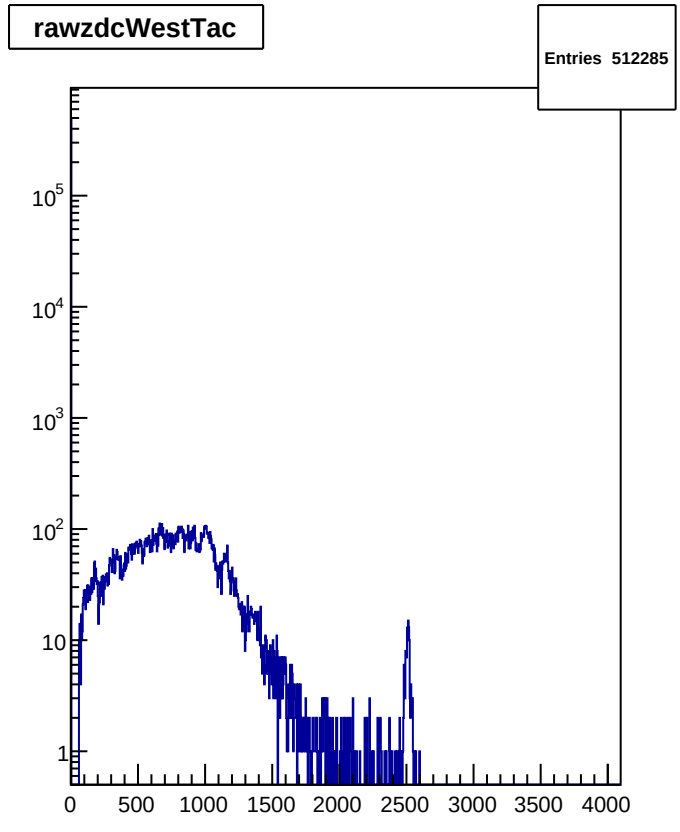

BBQ-BB002 (BBC west small tiles ADC)
Entries 8196560
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

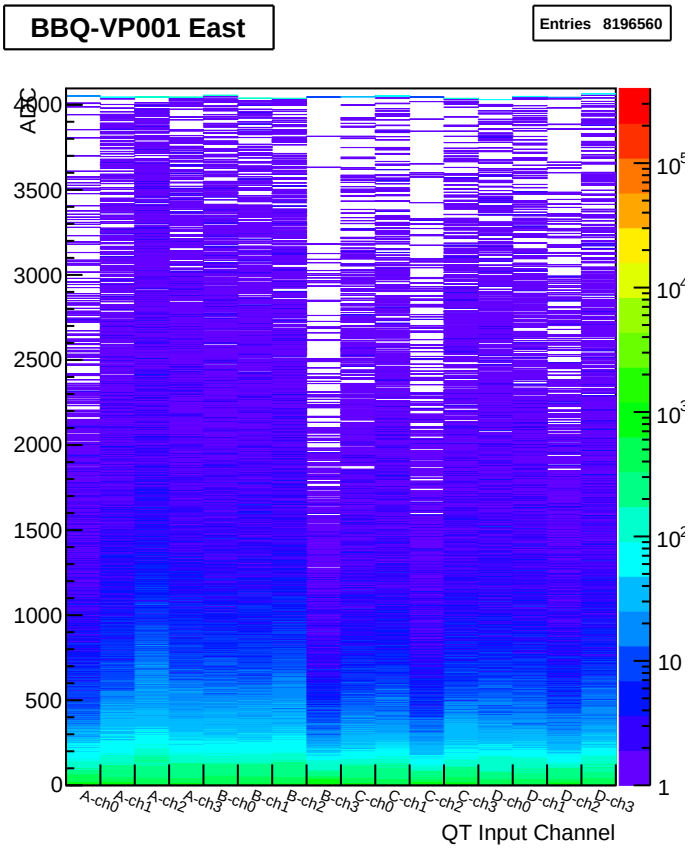

BBQ-BB002 (BBC west small tiles TAC)
Entries 8196560
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

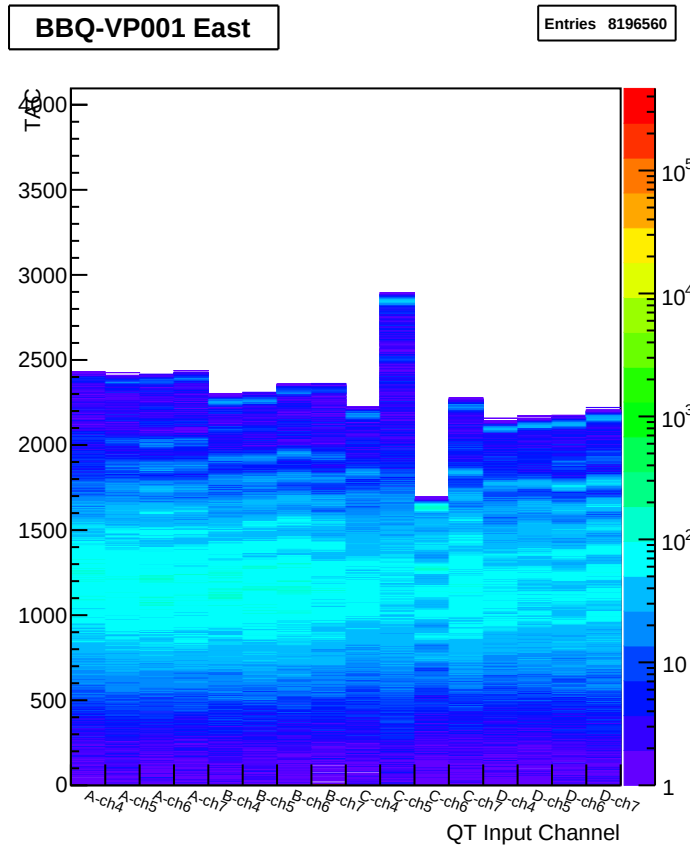

BBQ-ZD001 (ZDC TOWER)
Entries 8196560
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

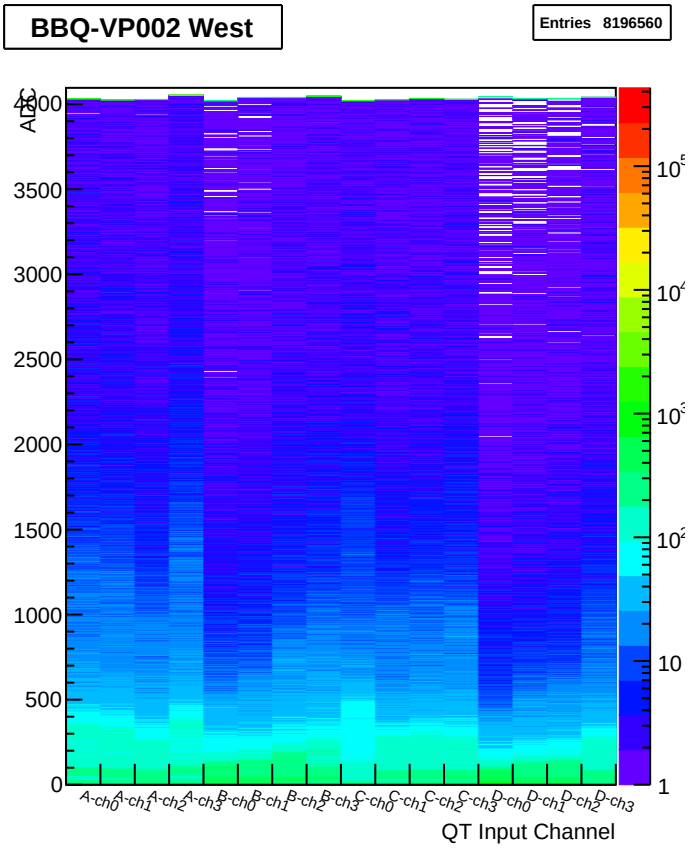

BBQ-ZD001 (ZDC TOWER)
Entries 8196560
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

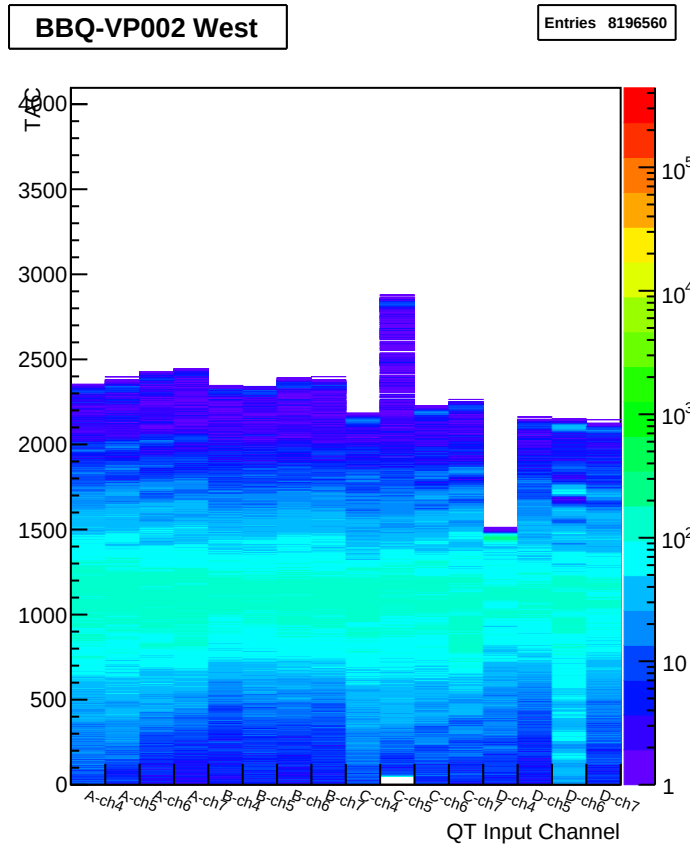

rawzdcEastTac
Entries 512285

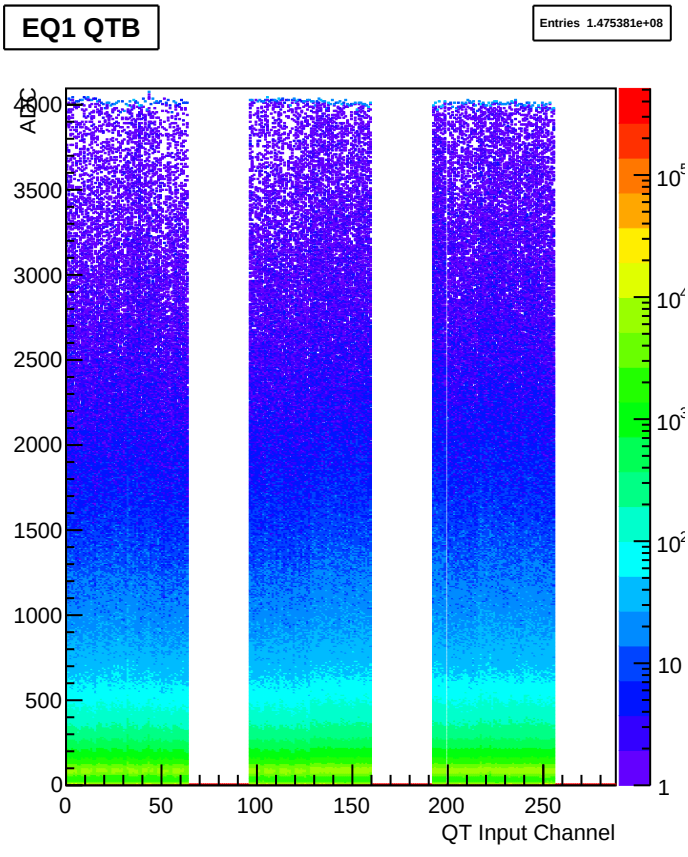

rawzdcWestTac
Entries 512285

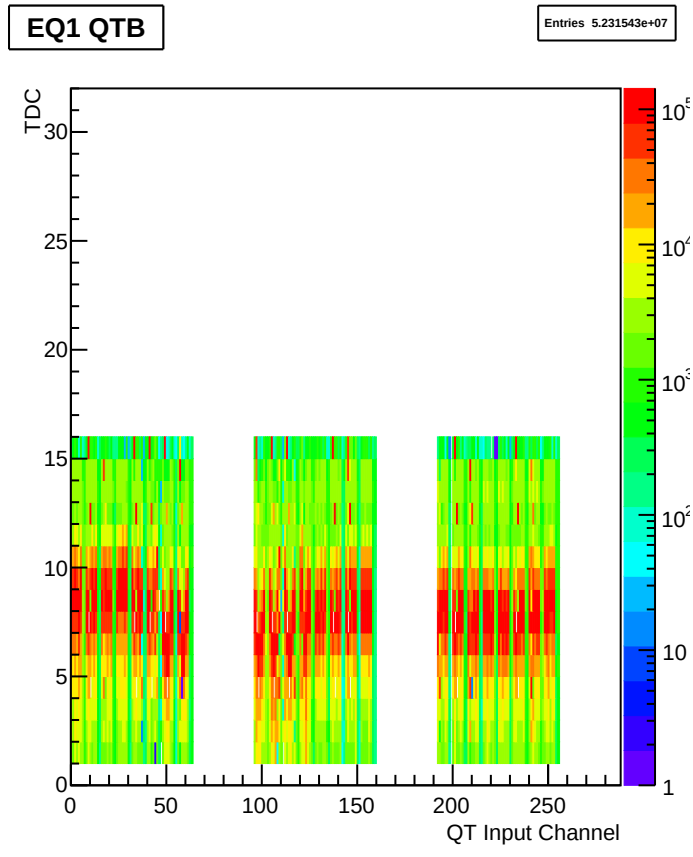

BBQ-VP001 East
Entries 8196560
ADC
QT Input Channel

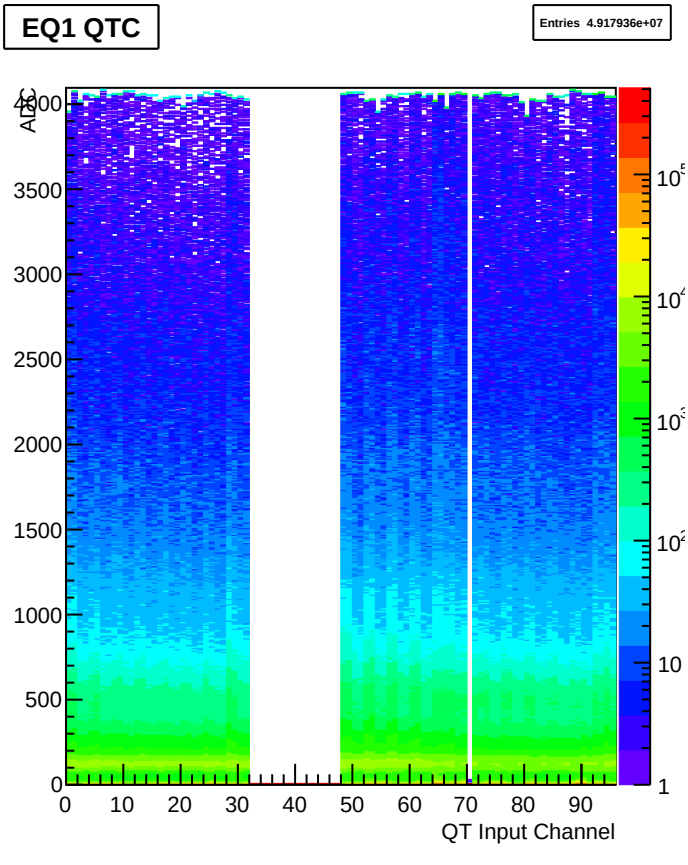

BBQ-VP001 East
Entries 8196560
TADC
QT Input Channel

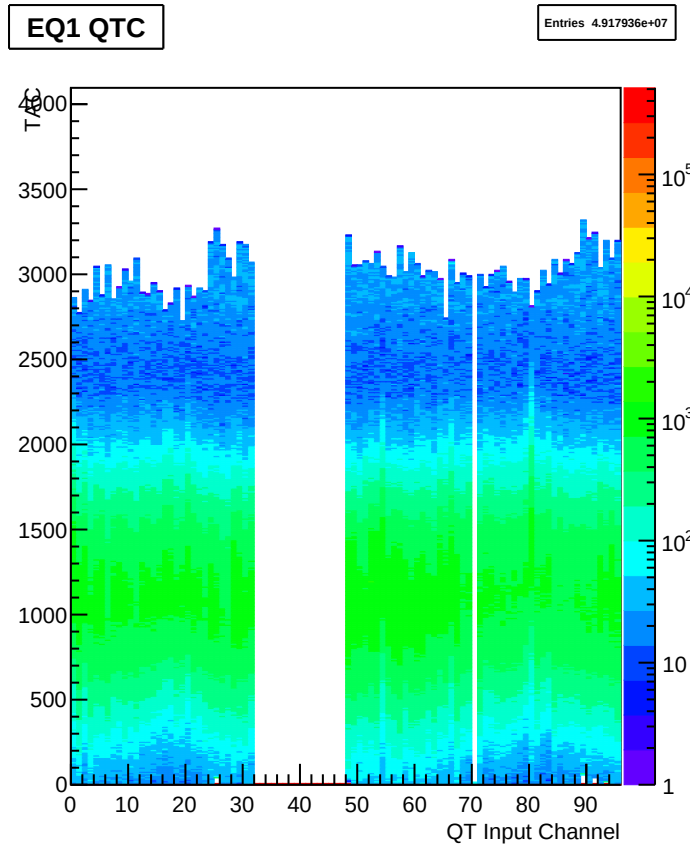

BBQ-VP002 West
Entries 8196560
ADC
QT Input Channel

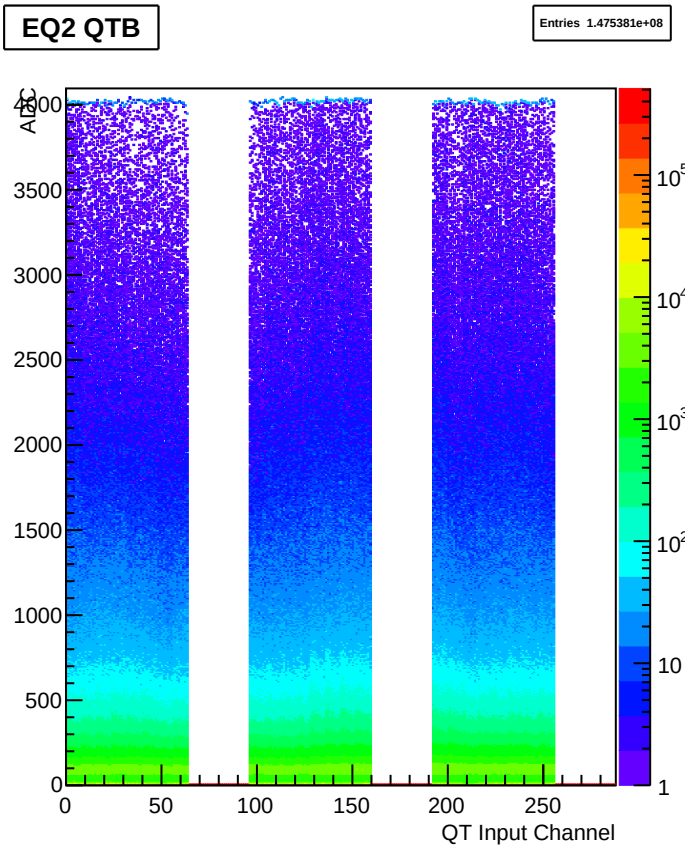

BBQ-VP002 West
Entries 8196560
TADC
QT Input Channel

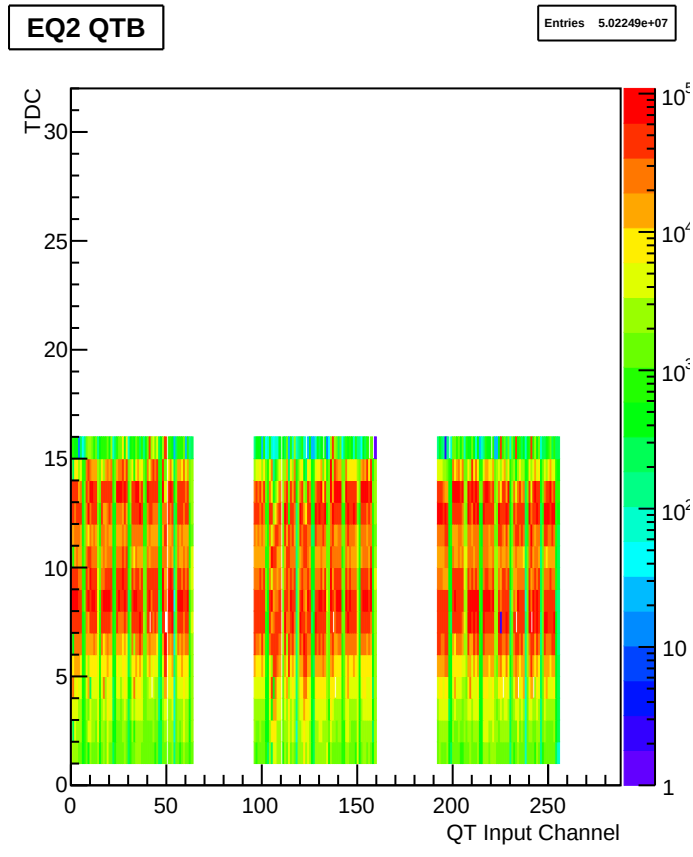

EQ1 QTB
Entries 1.475381e+08
ADC
QT Input Channel

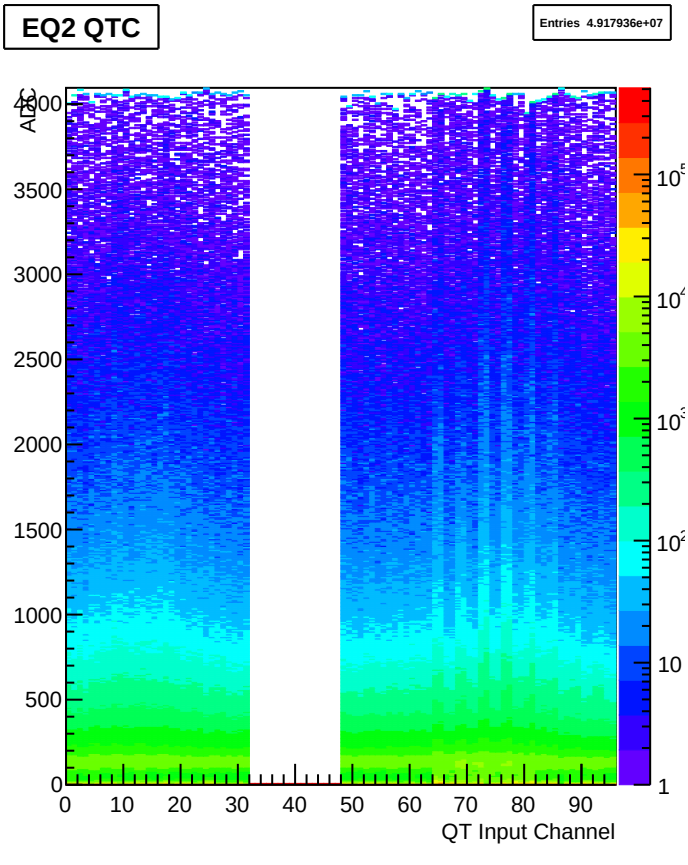

EQ1 QTB
Entries 5.231543e+07
TDC
QT Input Channel

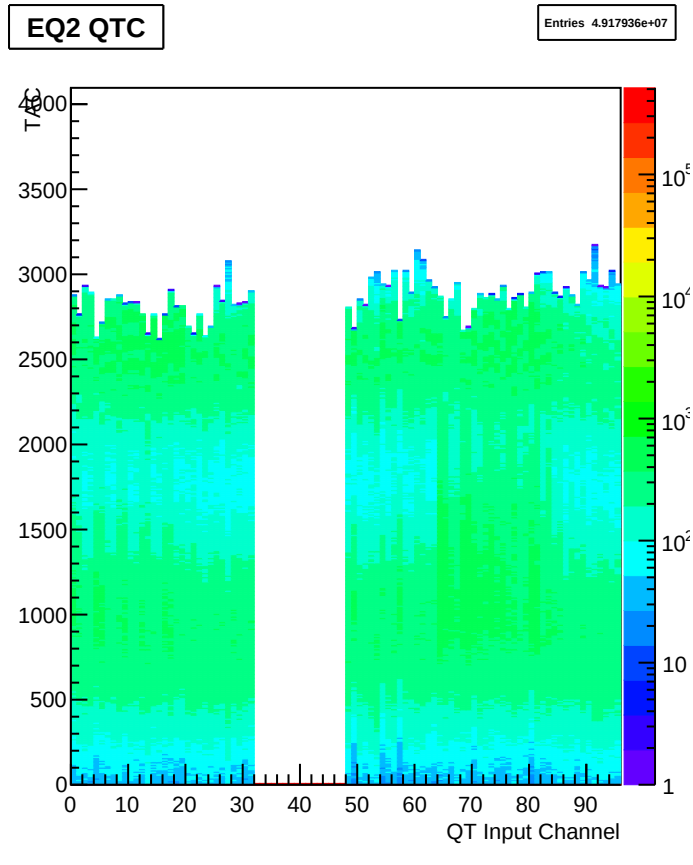

EQ1 QTC
Entries 4.917936e+07
ADC
QT Input Channel

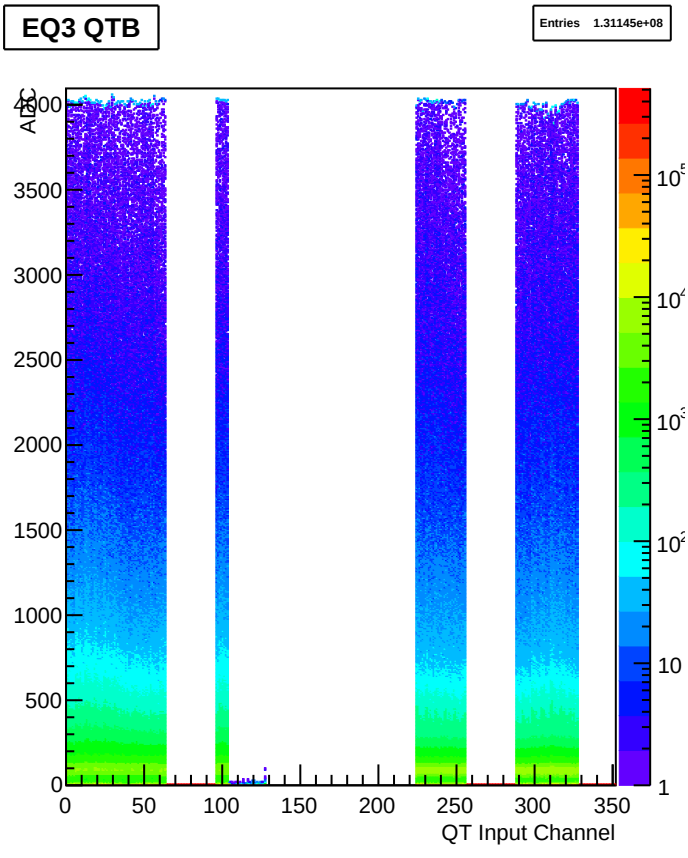

EQ1 QTC
Entries 4.917936e+07
TADC
QT Input Channel

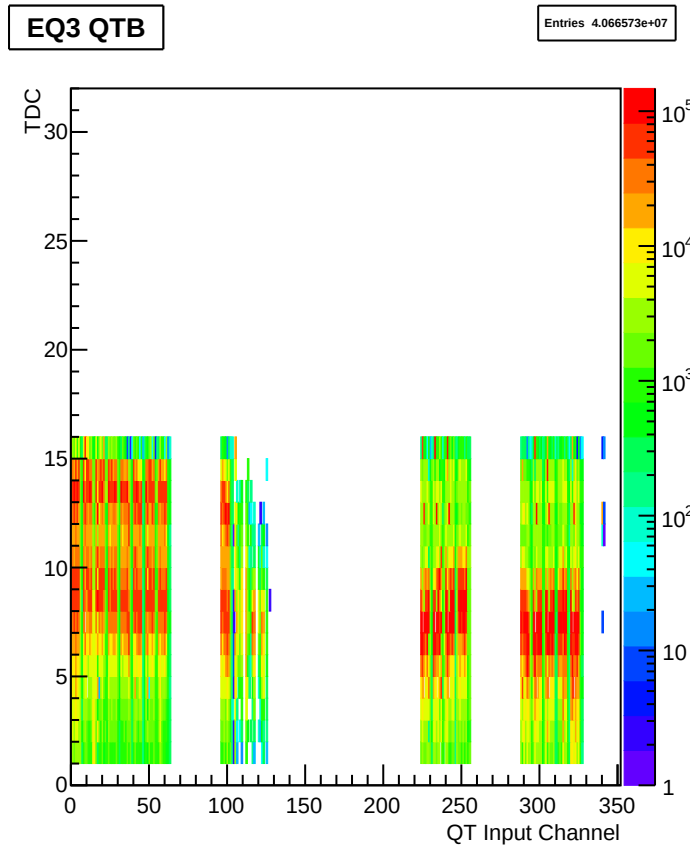

EQ2 QTB
Entries 1.475381e+08
ADC
QT Input Channel

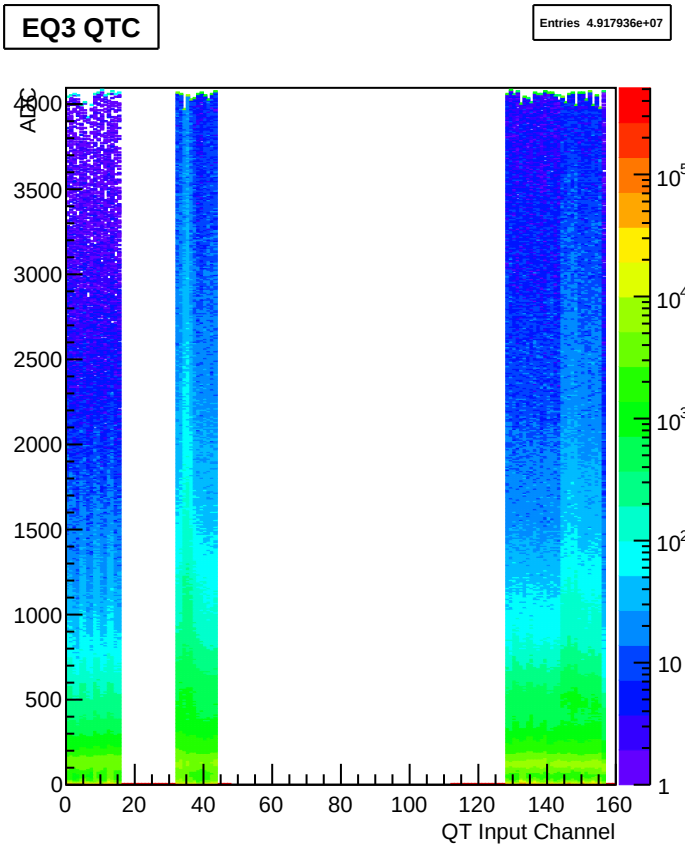

EQ2 QTB
Entries 5.02249e+07
TDC
QT Input Channel

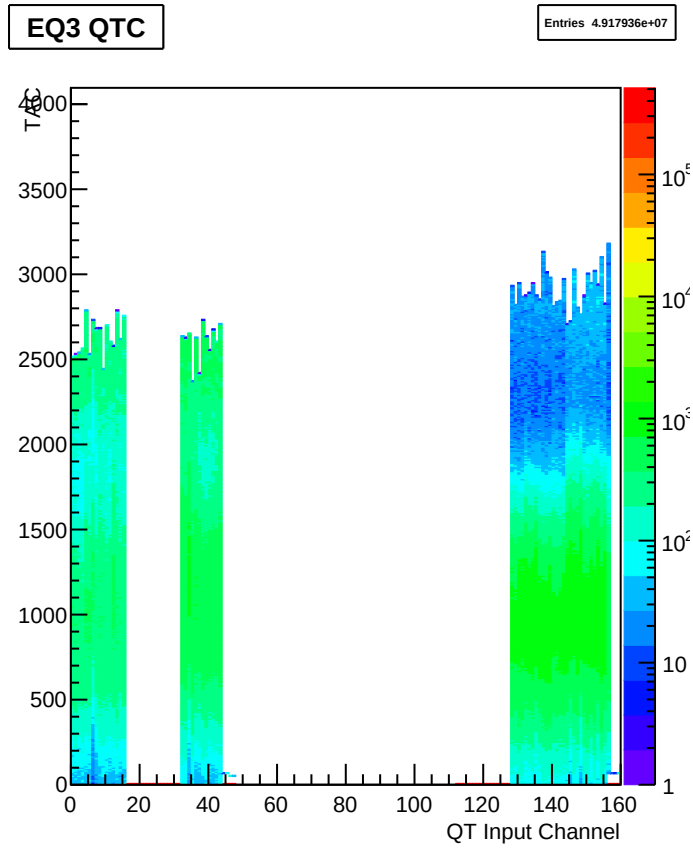

EQ2 QTC
Entries 4.917936e+07
ADC
QT Input Channel


EQ2 QTC
Entries 4.917936e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.31145e+08
ADC
QT Input Channel


EQ3 QTB
Entries 4.066573e+07
TDC
QT Input Channel


EQ3 QTC
Entries 4.917936e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.917936e+07
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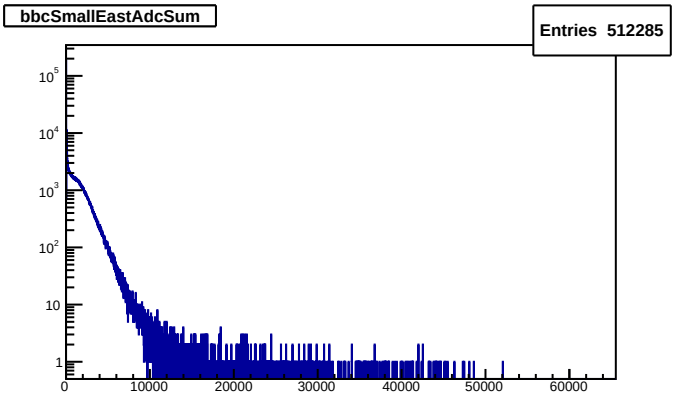
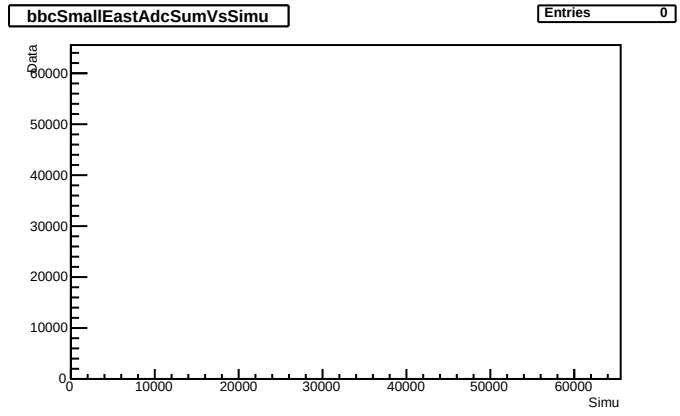
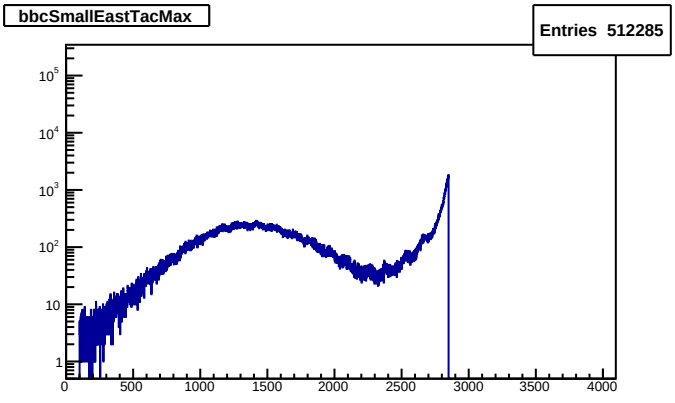
QT Input Channel


bbcSmallEastAdcSum
Entries 512285


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu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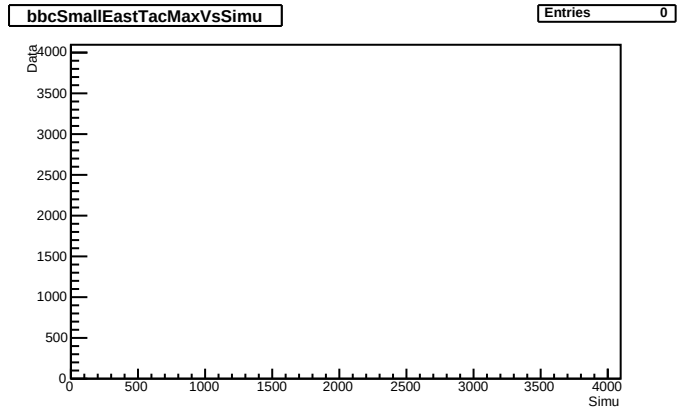
Entries 512285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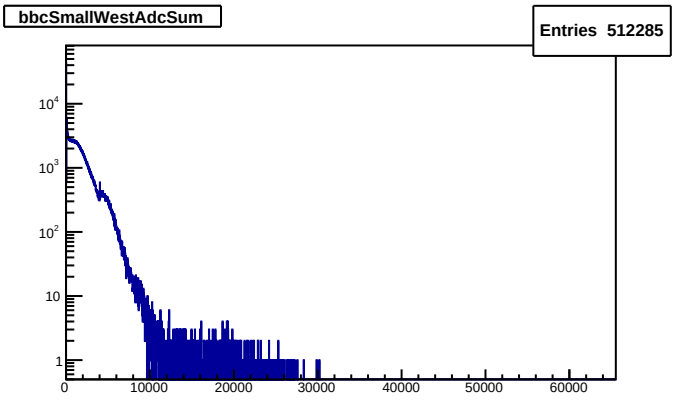
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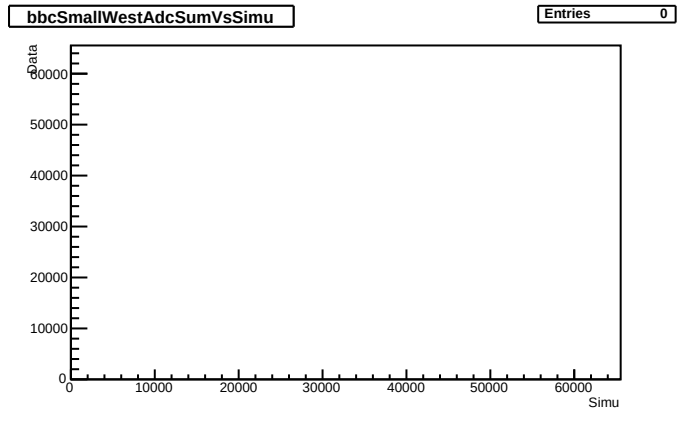
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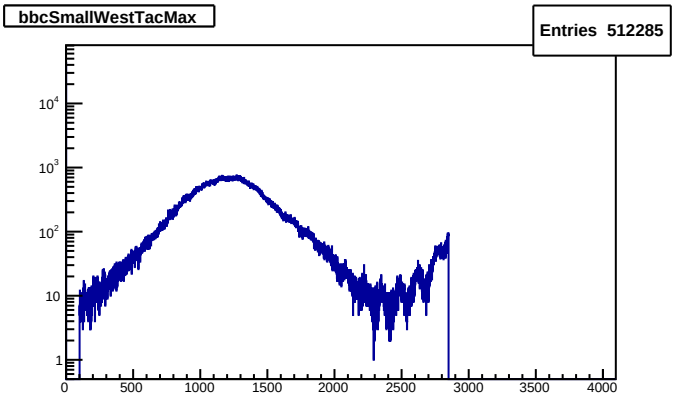
Simu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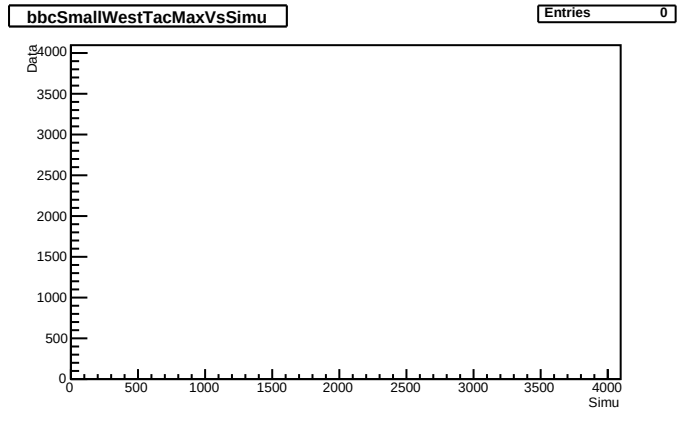
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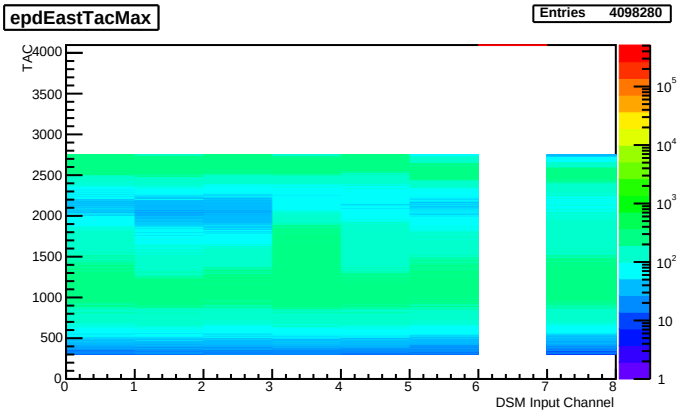
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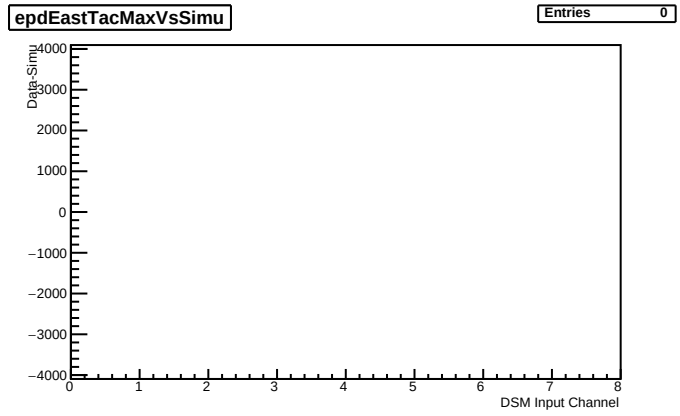
DSM Input Channel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Data-Simu
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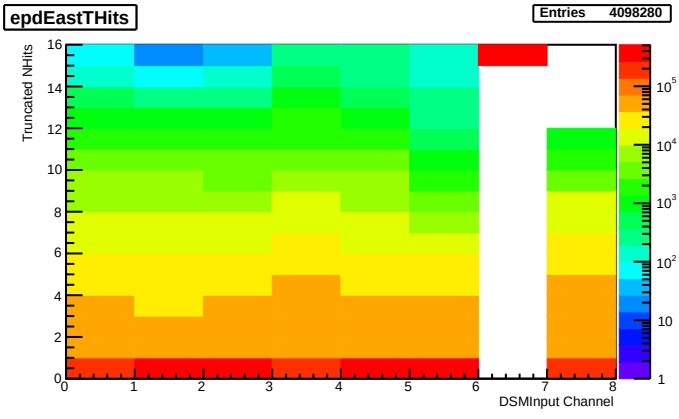
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Entries 4098280
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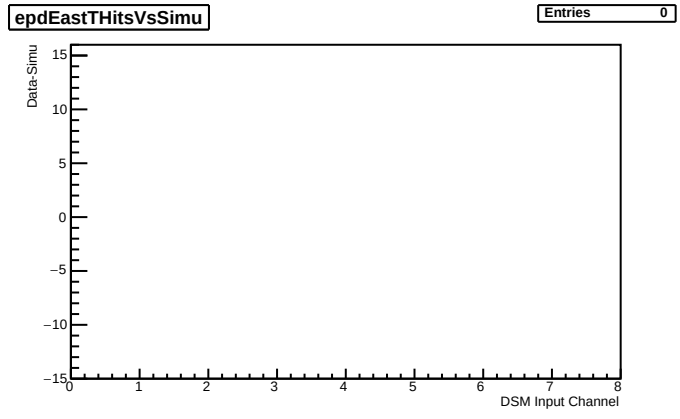
DSMInput Channel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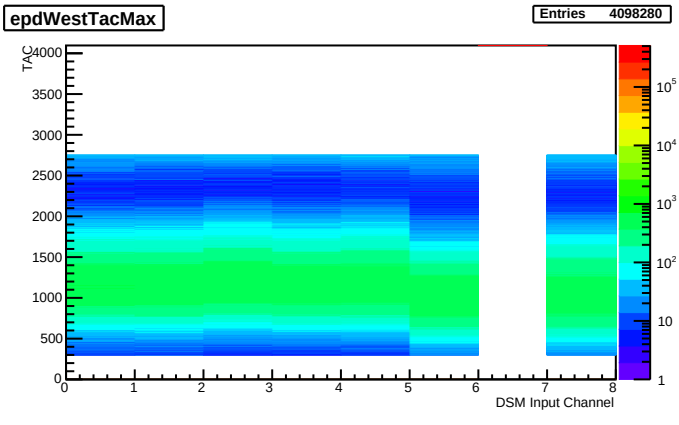
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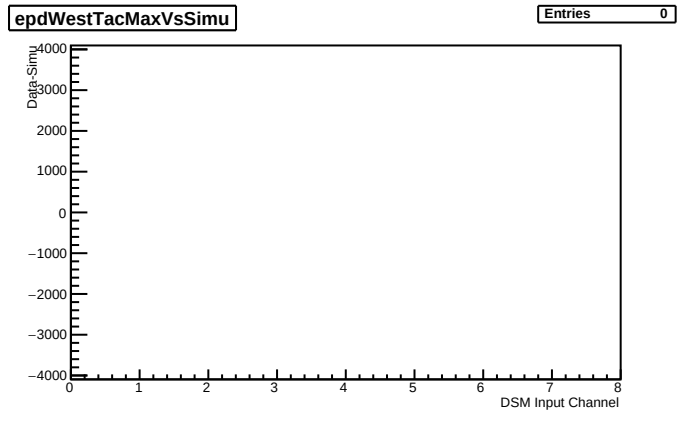
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Entries 0
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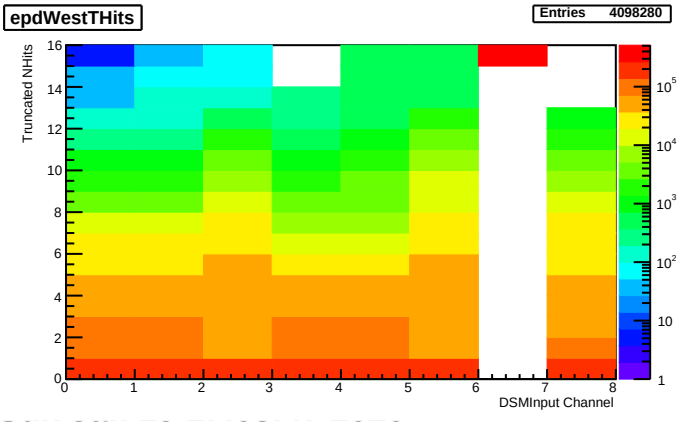
DSM Input Channel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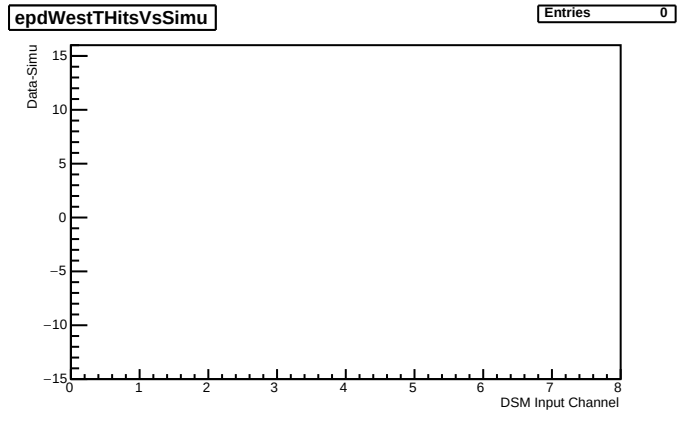
Entries 4098280
Truncated NHits
DSMInput Channel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Entries 0
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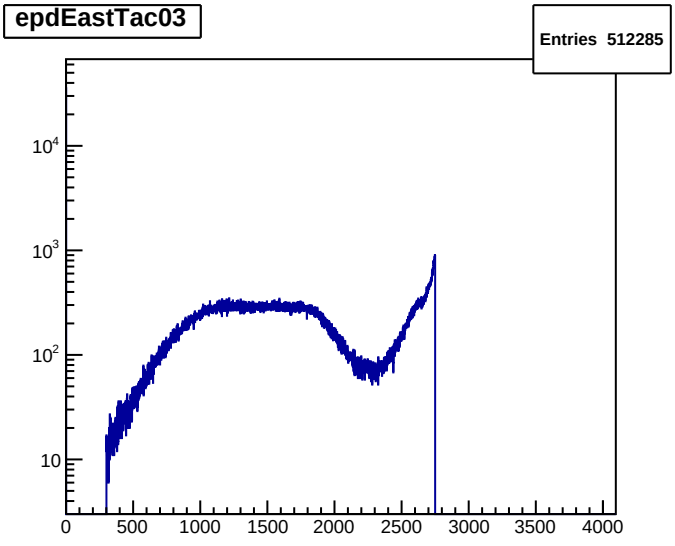
DSM Input Channel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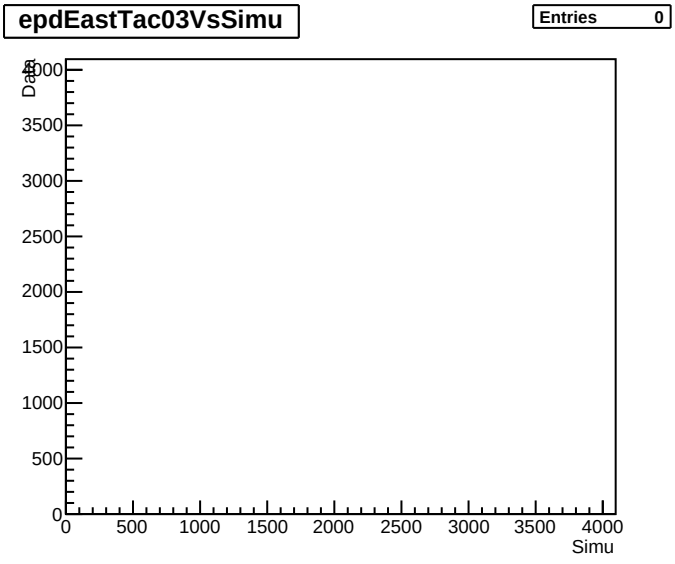
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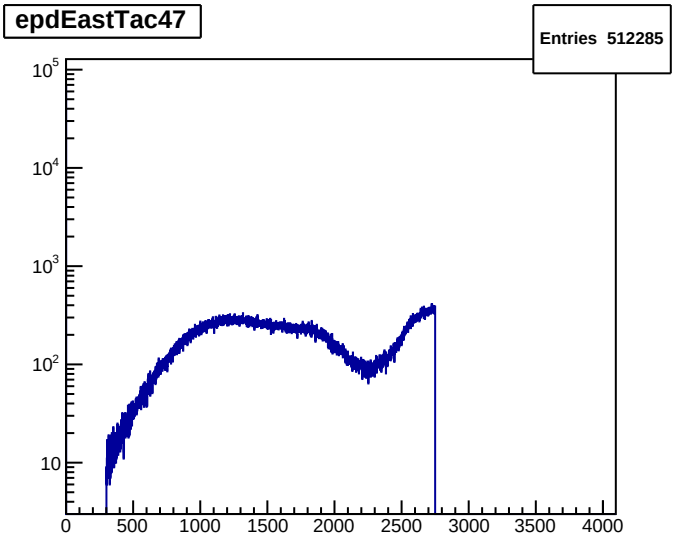
Entries 0
Data
Simu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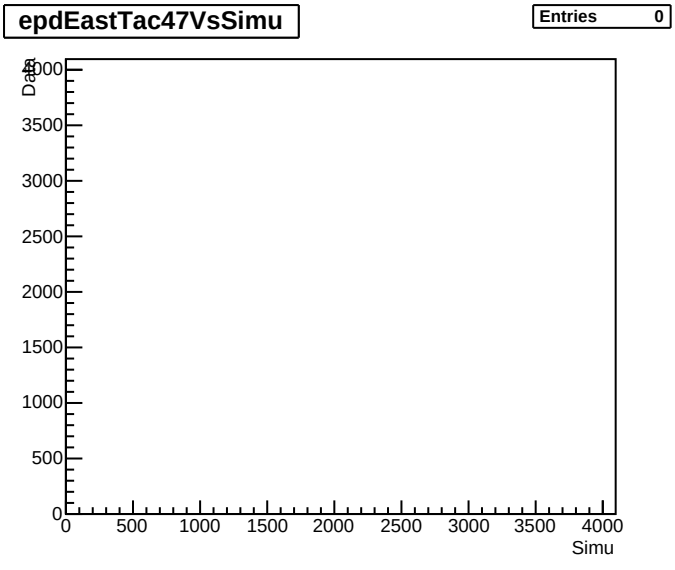
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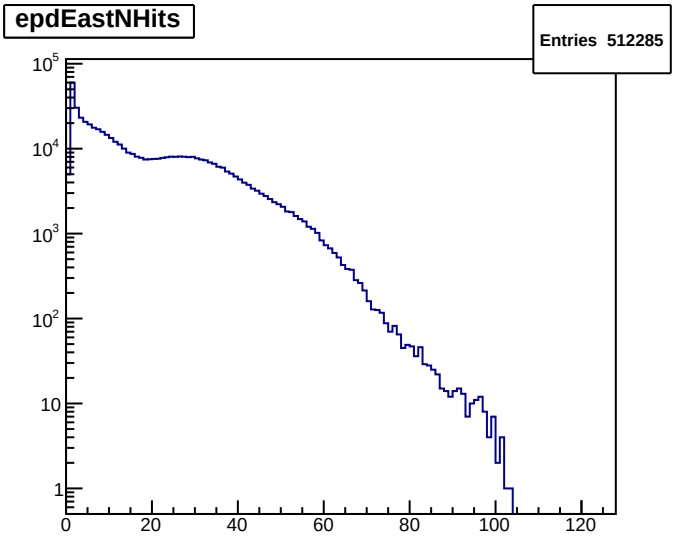
Data
Simu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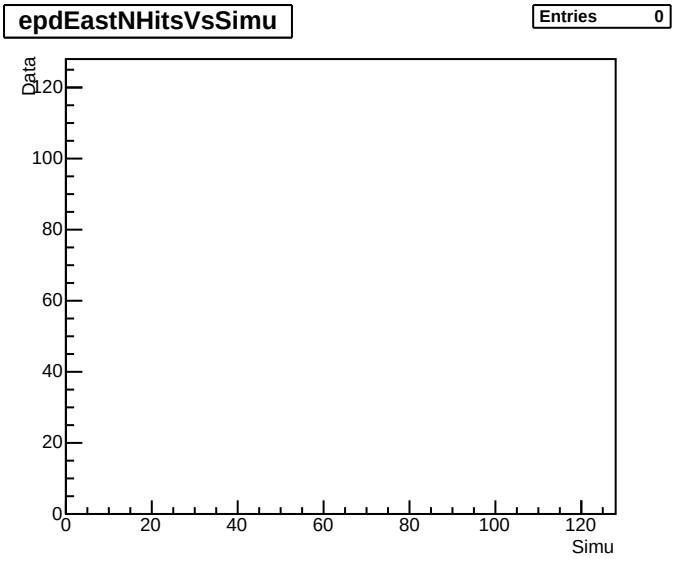
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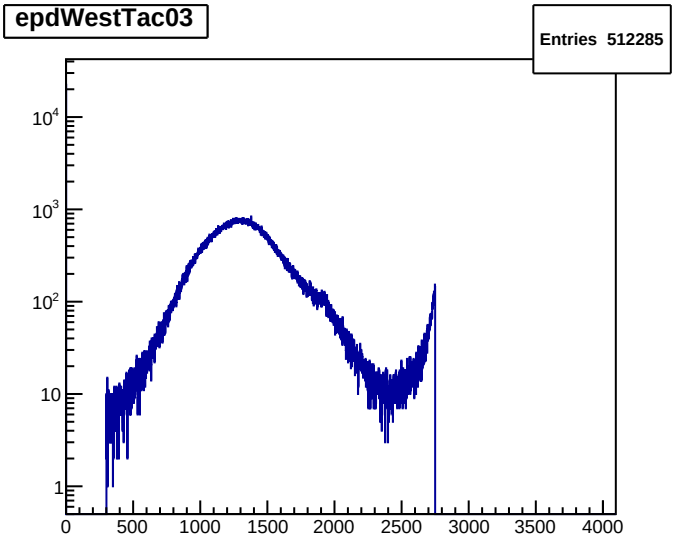
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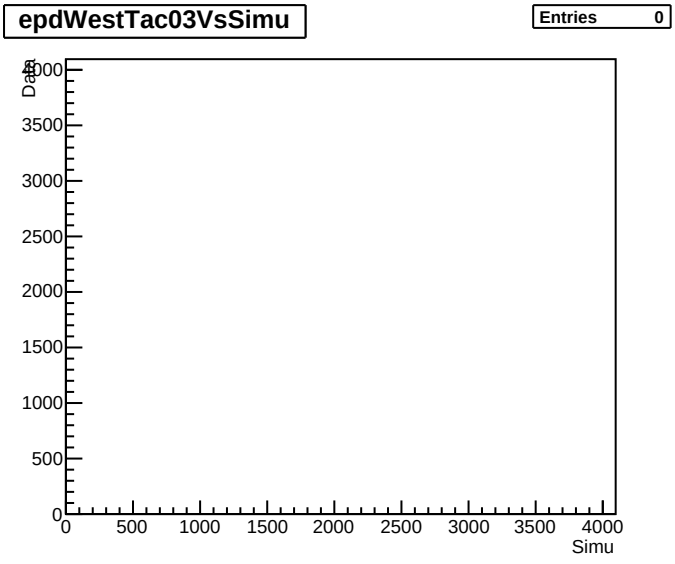
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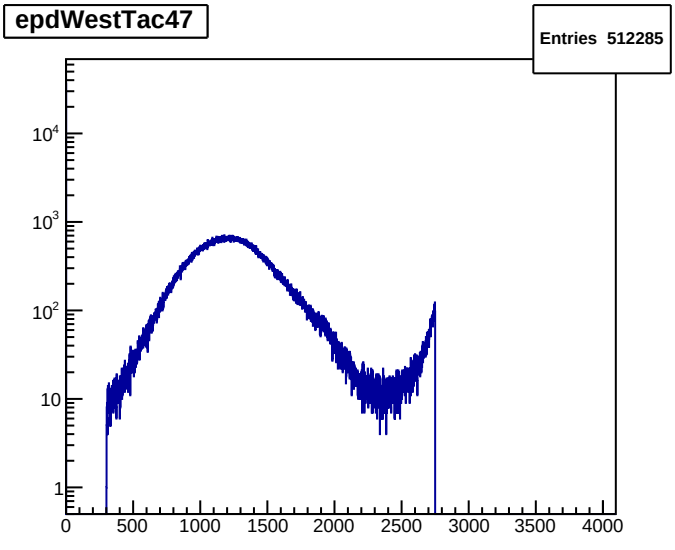
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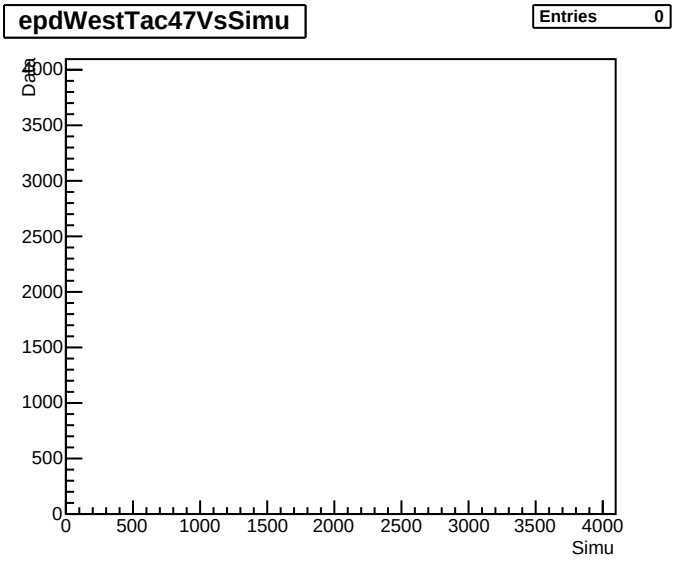
Entries 512285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Data
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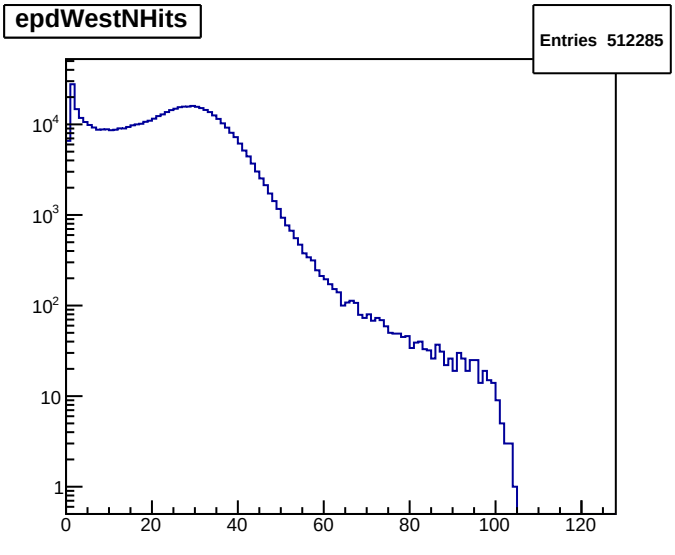
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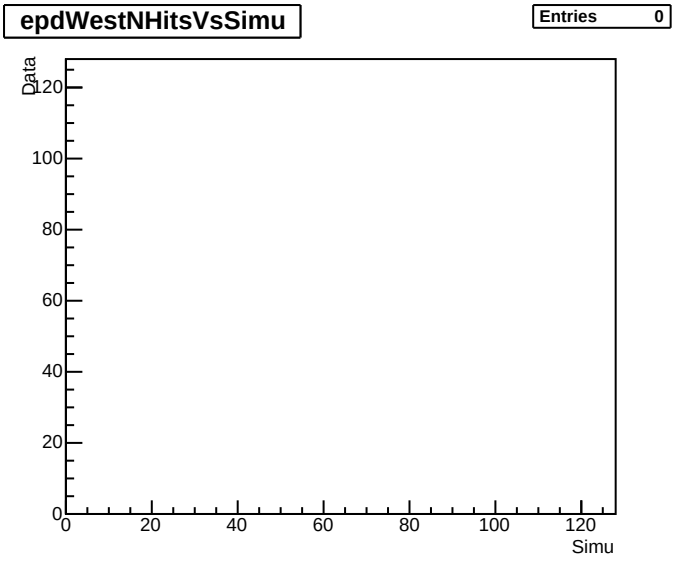
Entries 512285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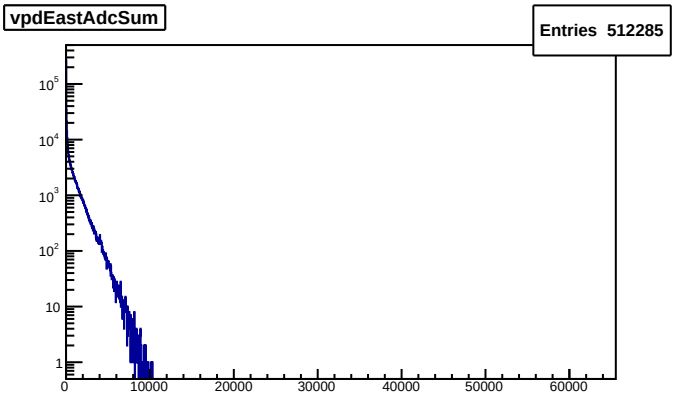
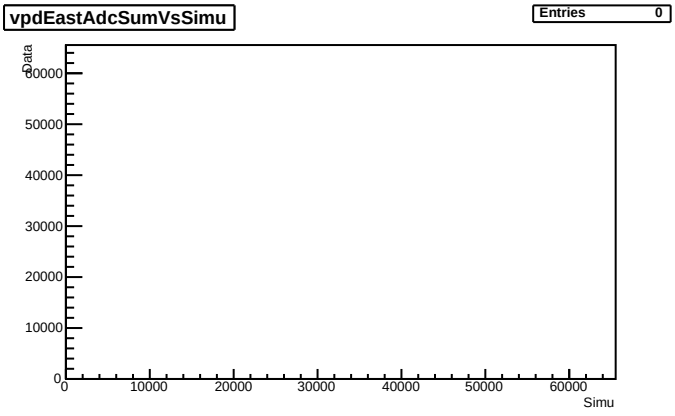
Entries 0
Data
Simu


vpdEastAdcSum
Entries 512285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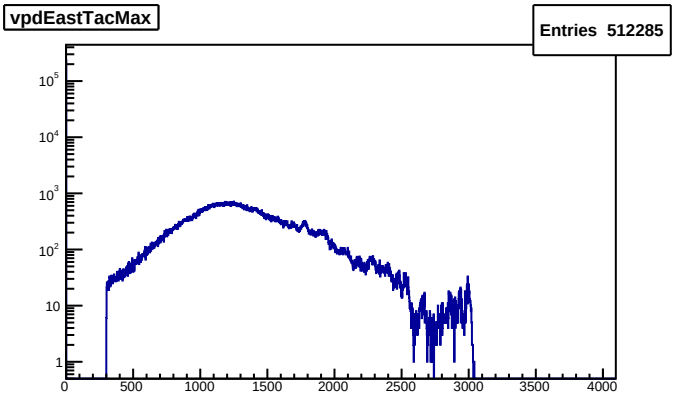
Data
Simu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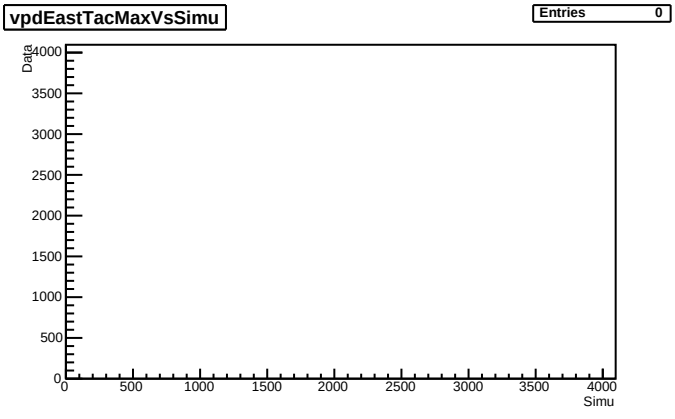
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Entries 0
Data
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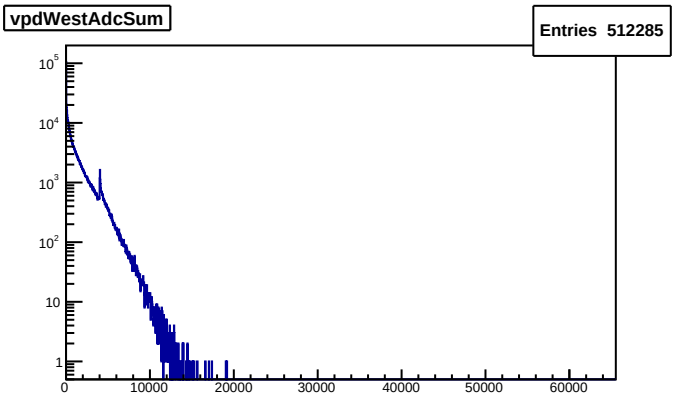
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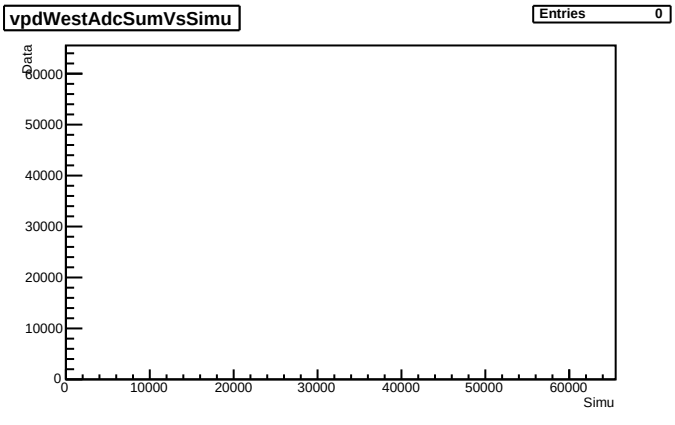
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Entries 0
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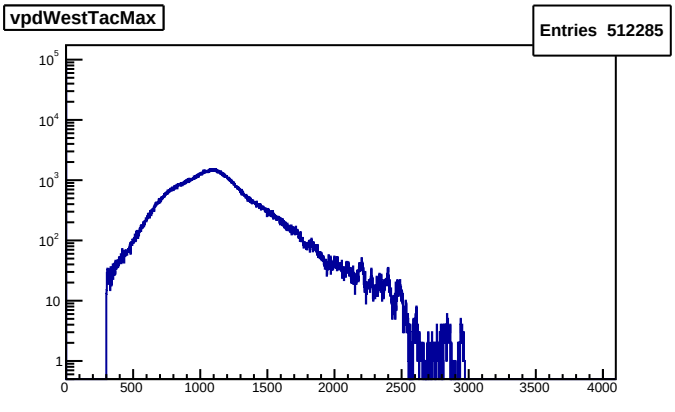
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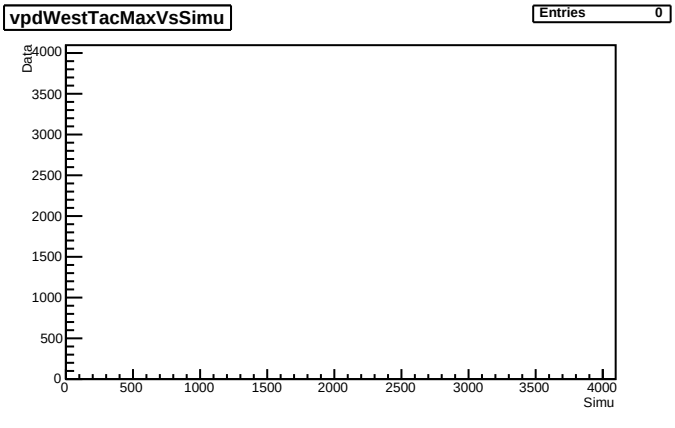
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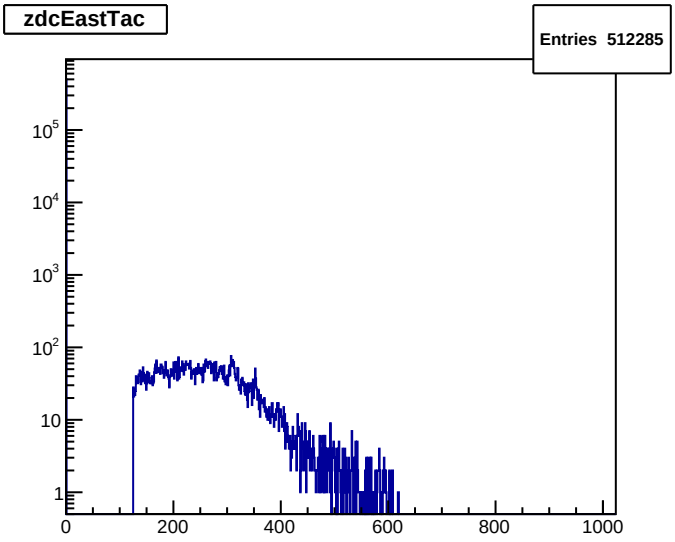
Entries 0
Data
Simu


zdcEastTac
Entries 512285
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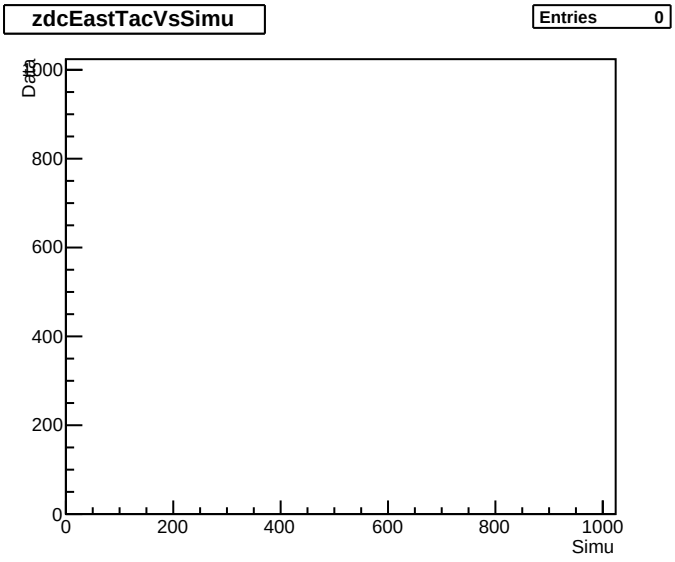
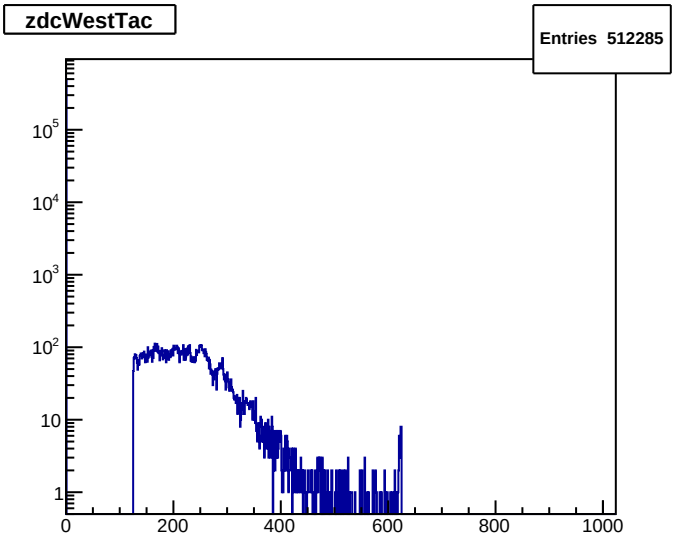
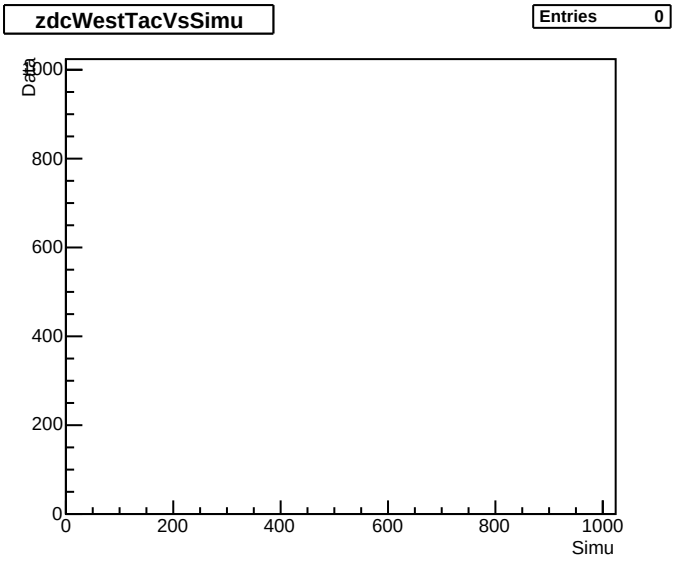
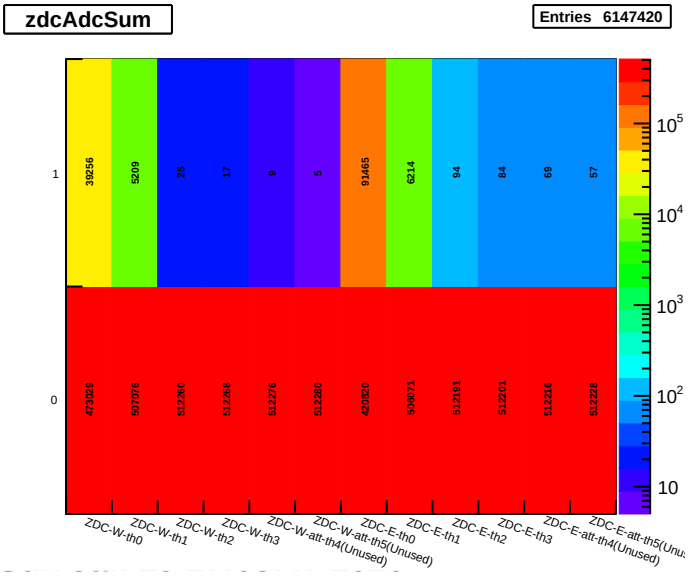
10^4
10^3
10^2
10
1
0
200
400
600
800
1000


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


zdcWestTac
Entries 512285
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 6147420
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39256
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25
17
9
5
91465
6214
94
84
69
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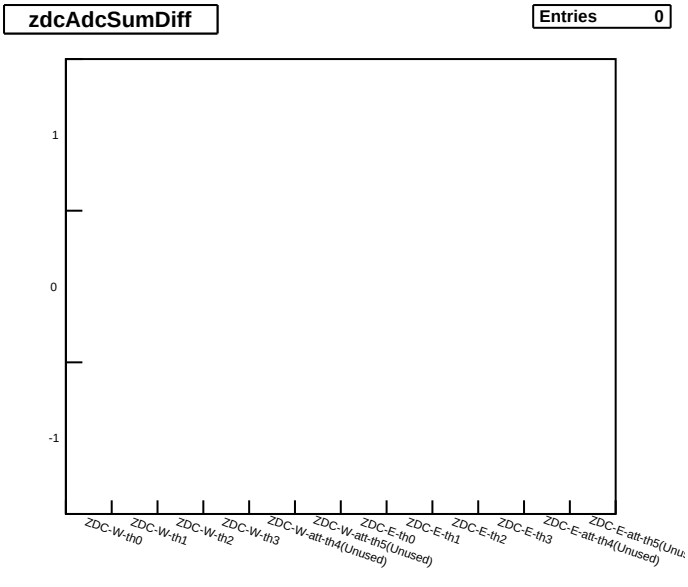
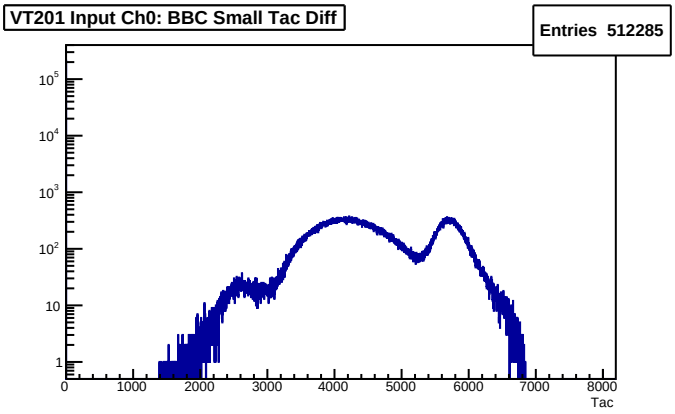
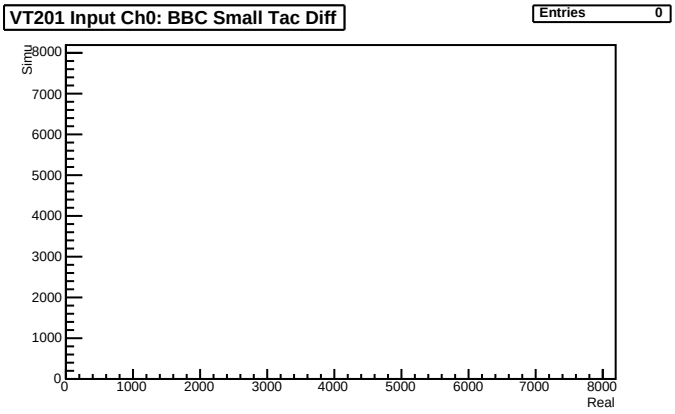
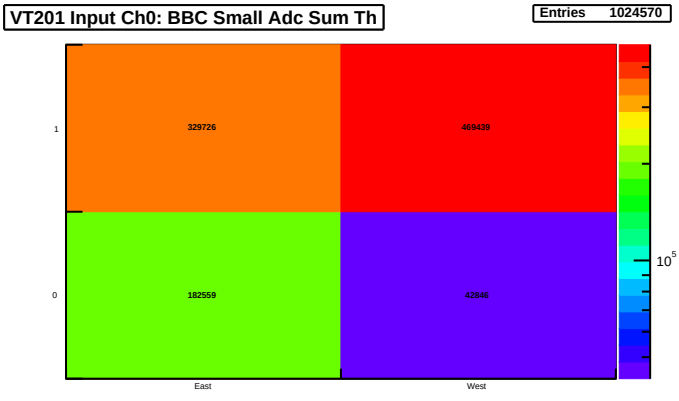
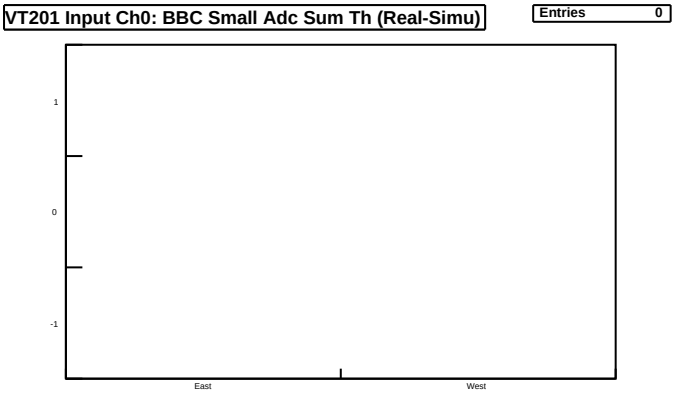
507076
512260
512268
512276
512280
420820
506071
512191
512201
512216
512228
10^5
10^4
10^3
10^2
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

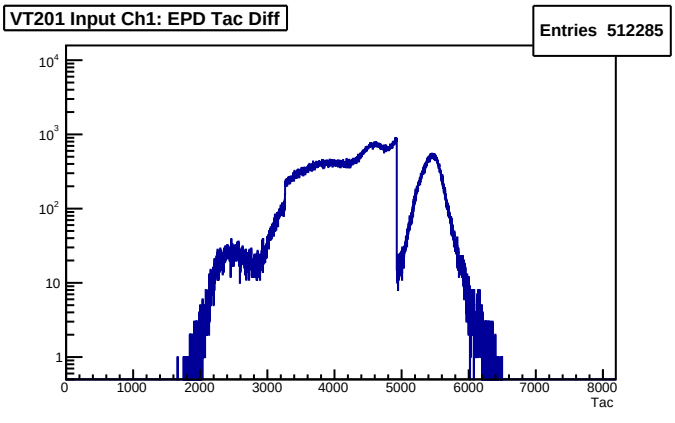

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

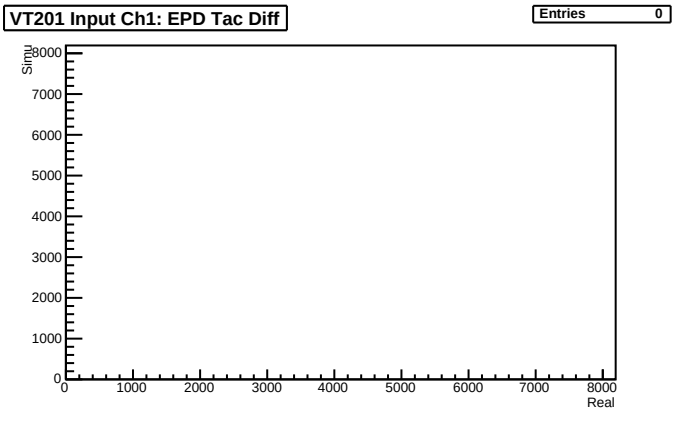

VT201 Input Ch0: BBC Small Tac Diff
Entries 512285
Tac

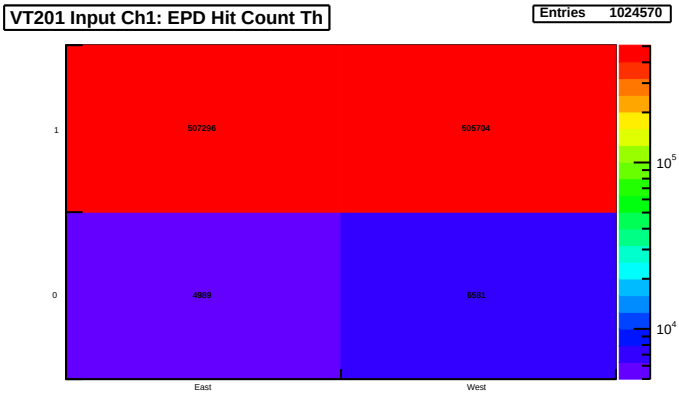

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real


VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1024570
329726
469439
182559
42846
East
West


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


VT201 Input Ch1: EPD Tac Diff
Entries 512285
Tac


VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real


VT201 Input Ch1: EPD Hit Count Th
Entries 1024570
507296
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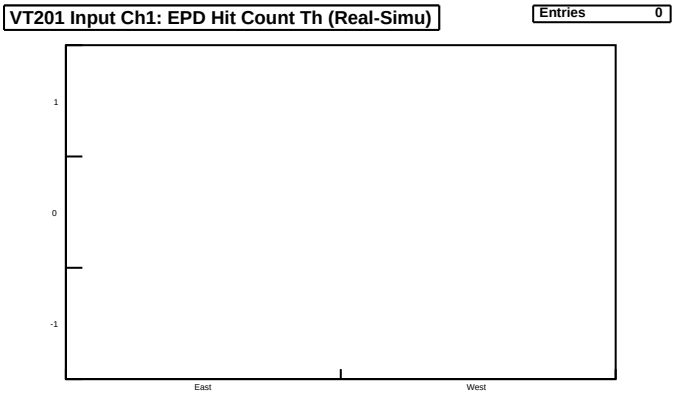
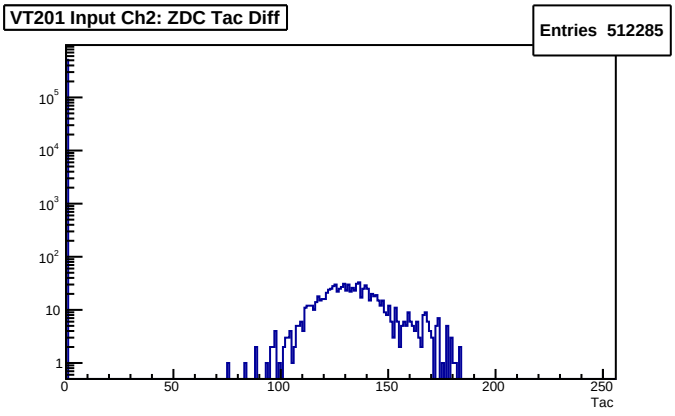
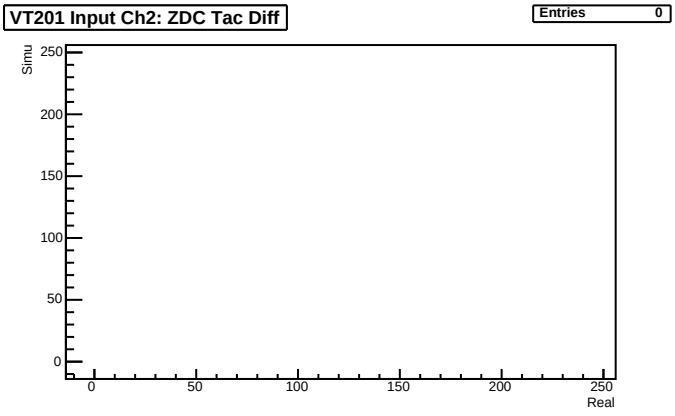
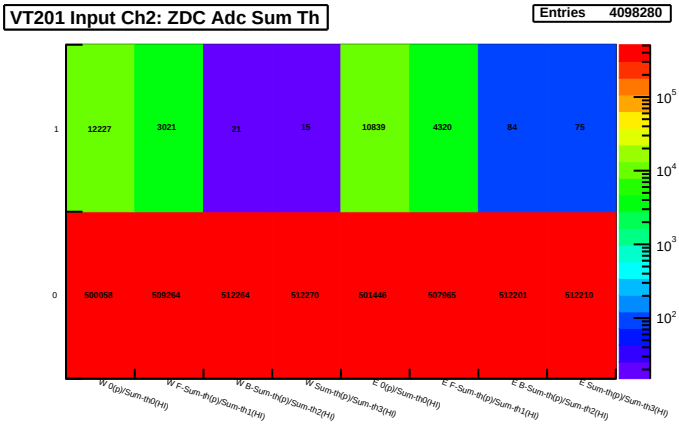
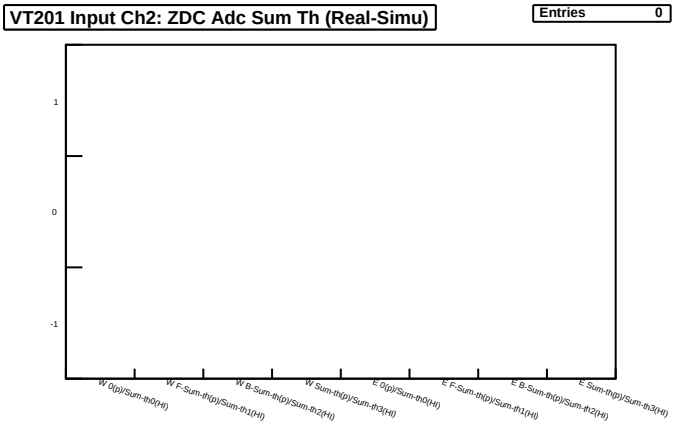
6581
East
West

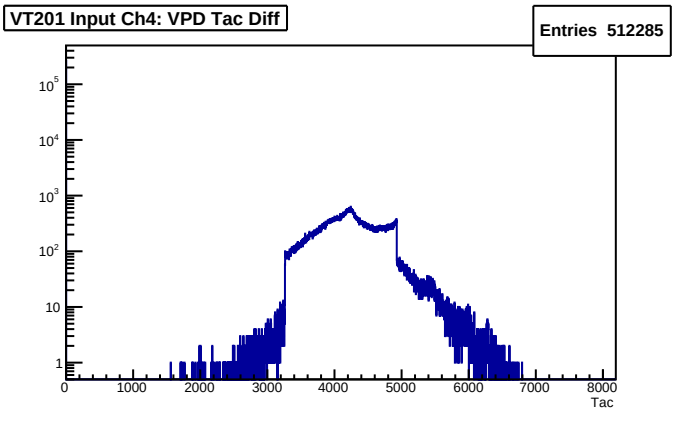

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

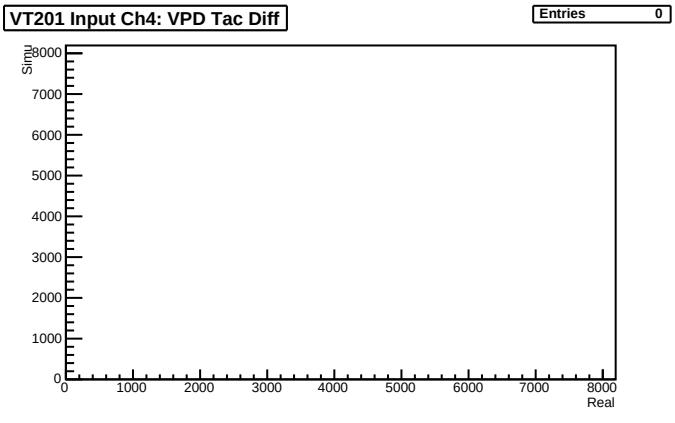

VT201 Input Ch2: ZDC Tac Diff
Entries 512285
Tac

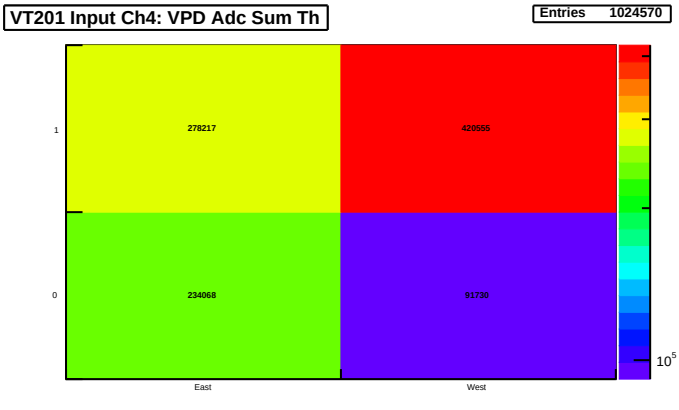

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

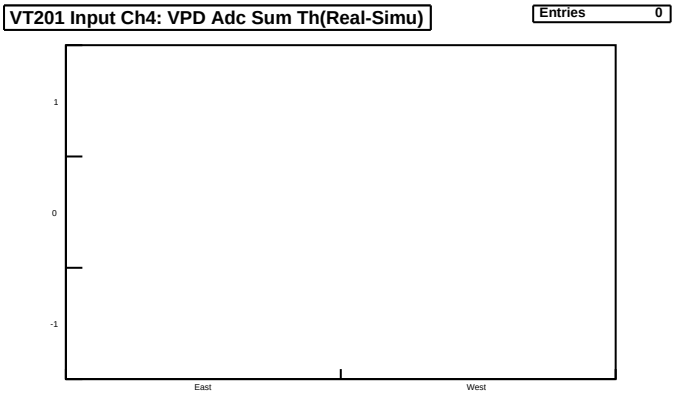

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4098280
12227
3021
21
15
10839
4320
84
75
500058
509264
512264
512270
501446
507965
512201
512210
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

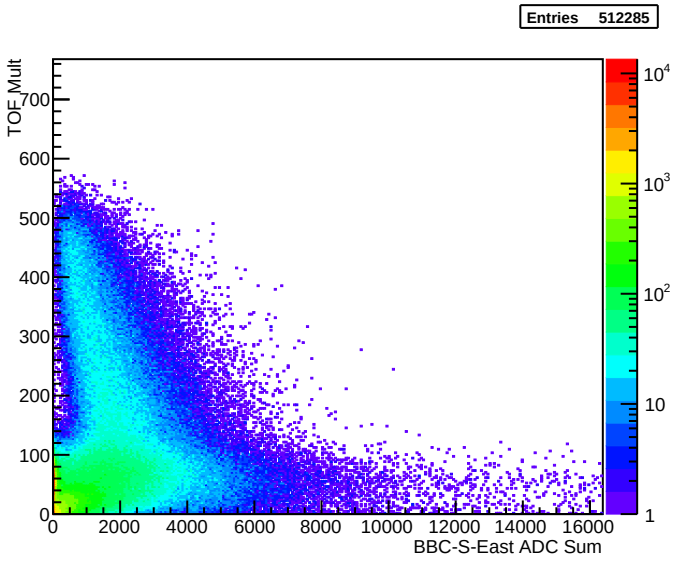

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

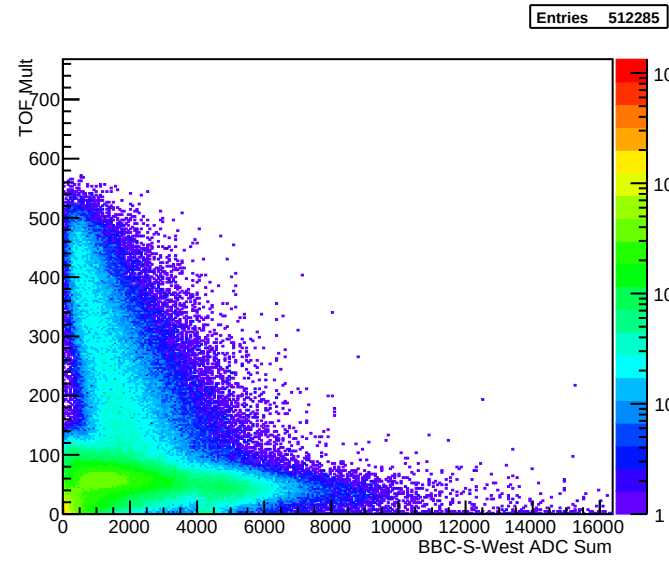

VT201 Input Ch4: VPD Tac Diff
Entries 512285
Tac

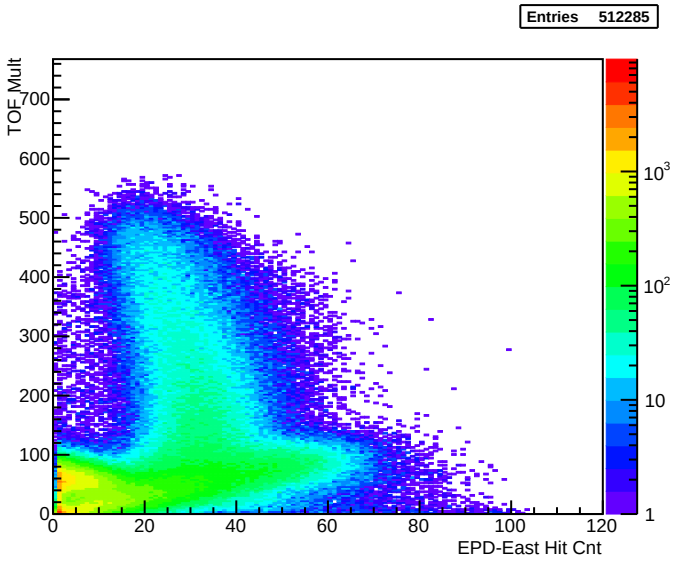

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

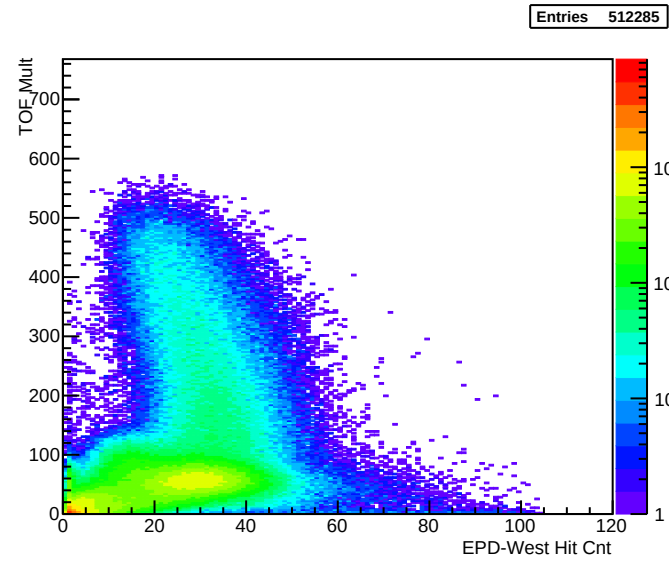

VT201 Input Ch4: VPD Adc Sum Th
Entries 1024570
278217
420555
234068
91730
East
West

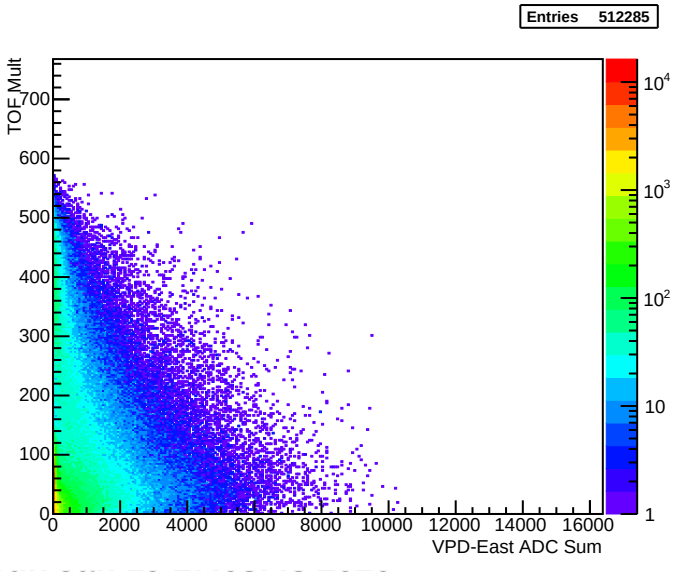

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

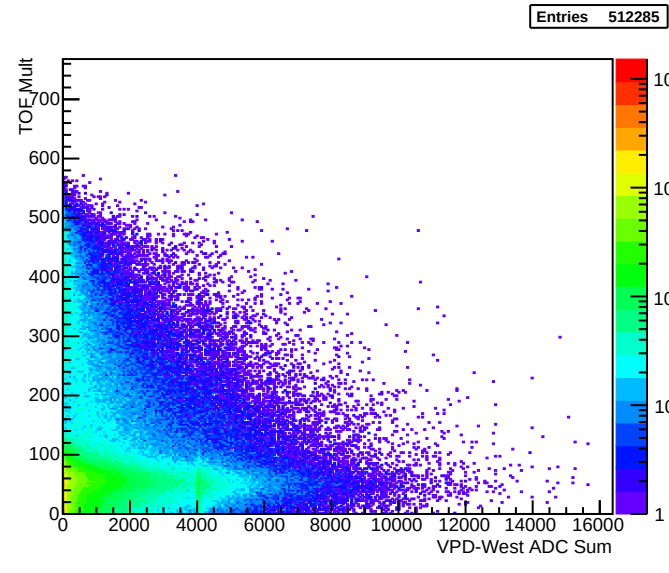

Entries 512285
TOF_Mult
BBC-S-East ADC Sum

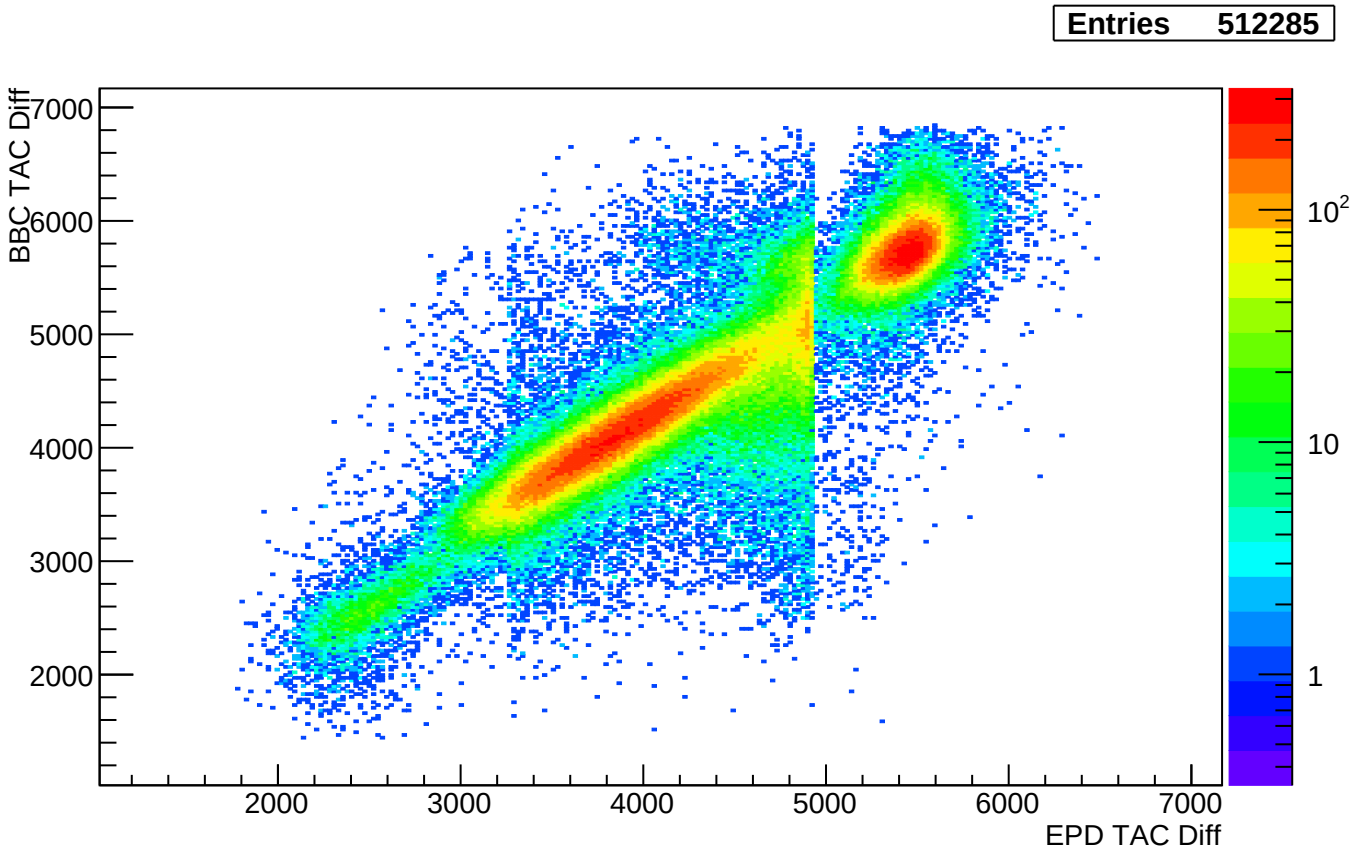

Entries 512285
TOF_Mult
BBC-S-West ADC Sum

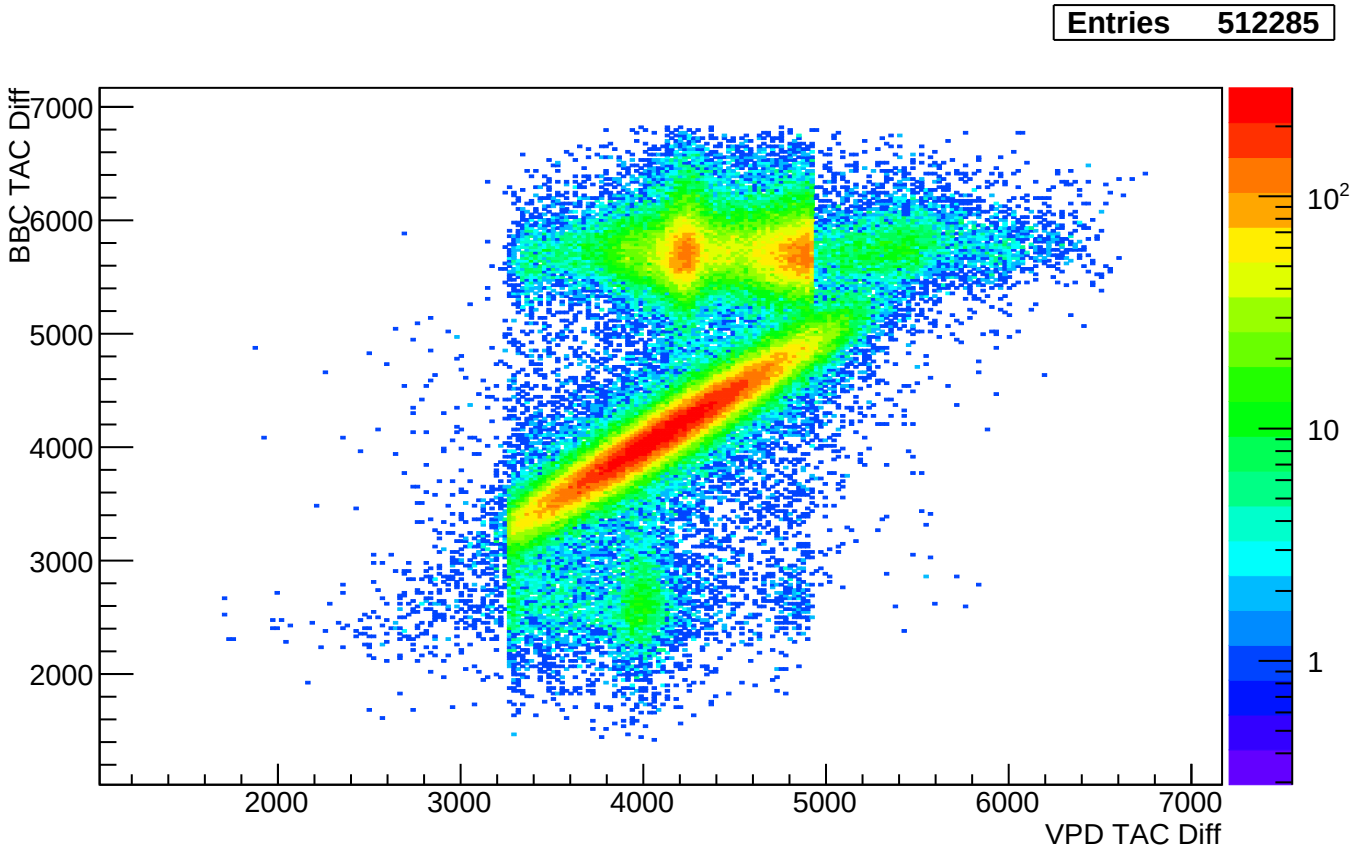

Entries 512285
TOF_Mult
EPD-East Hit Cnt

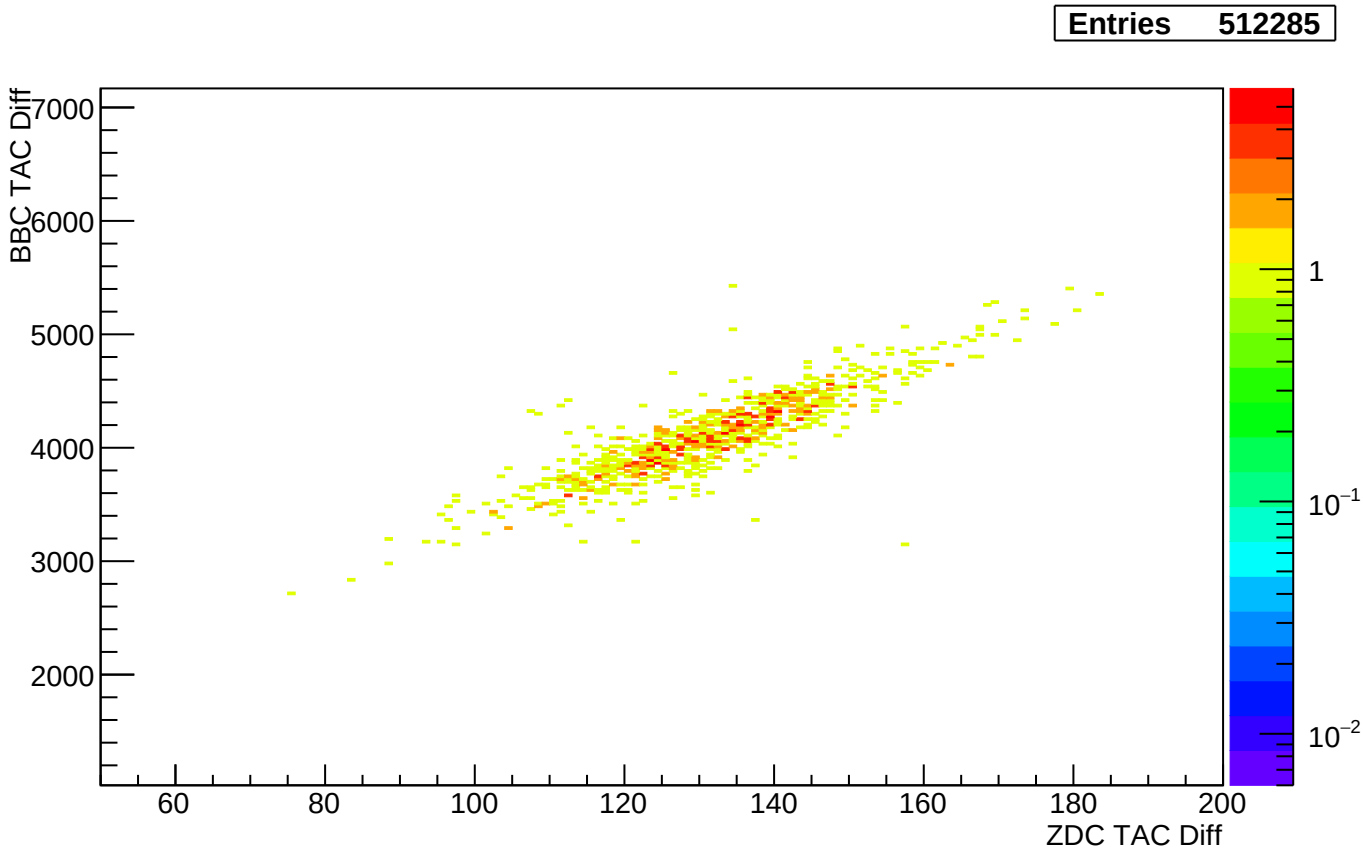

Entries 512285
TOF_Mult
EPD-West Hit Cnt

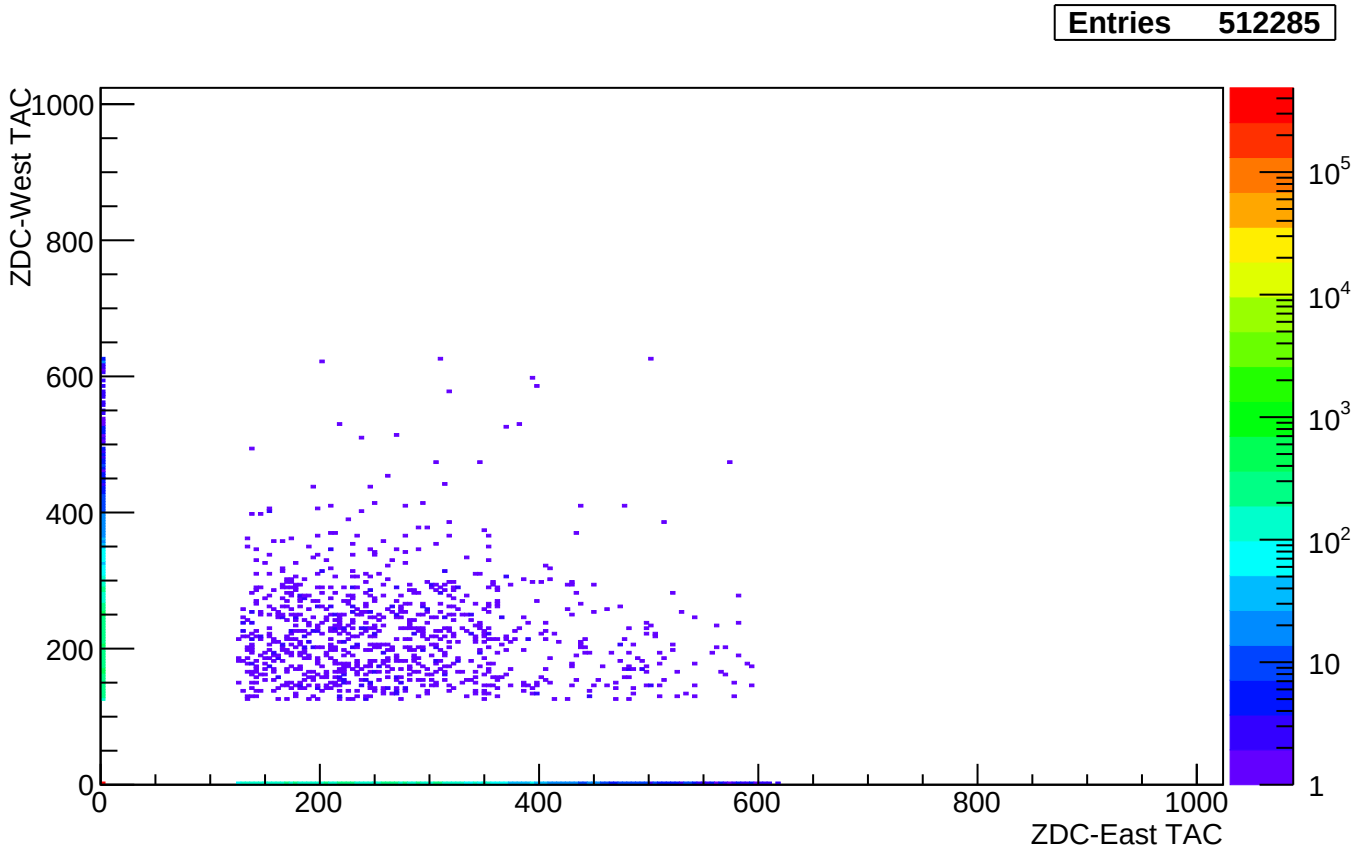

Entries 512285
TOF_Mult
VPD-East ADC Sum

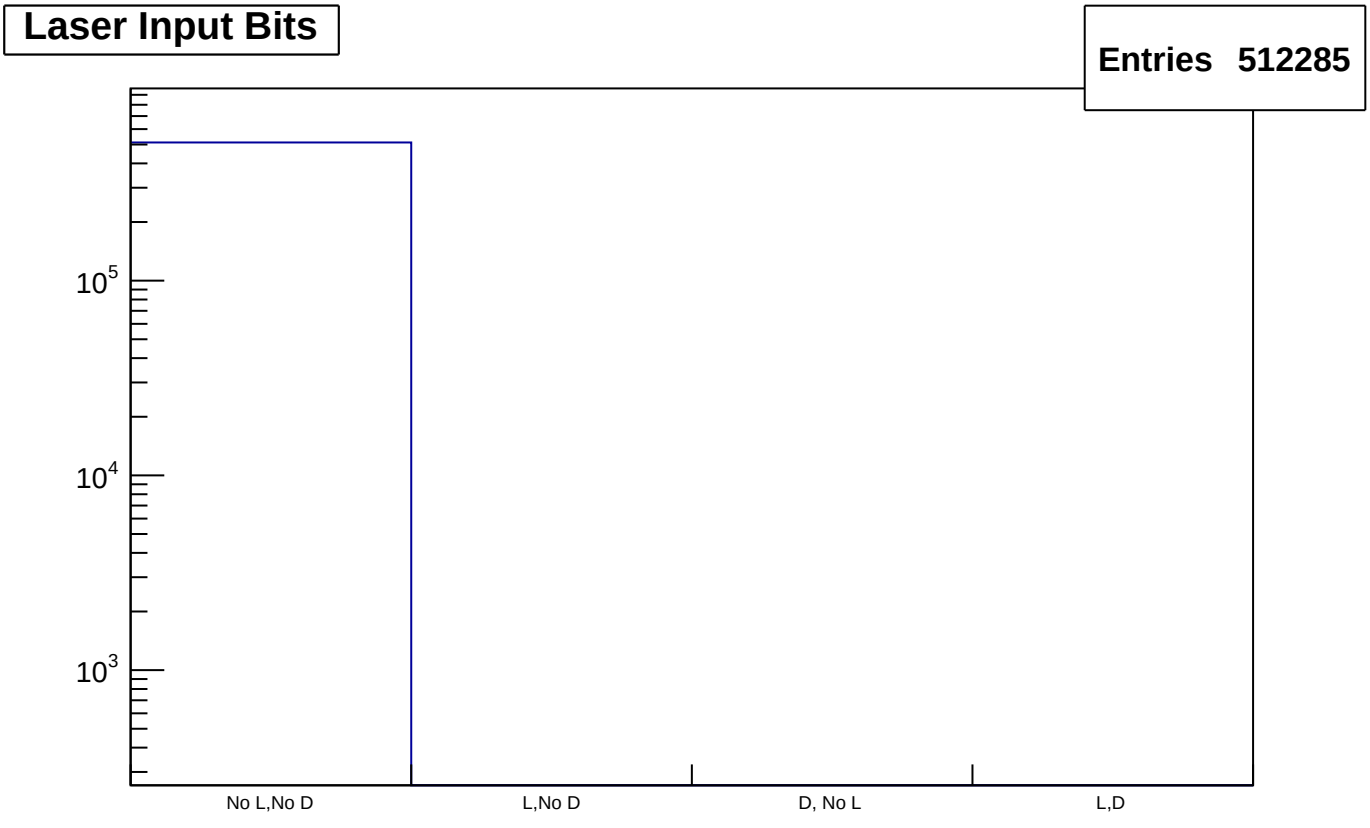

Entries 512285
TOF_Mult
VPD-West ADC Sum

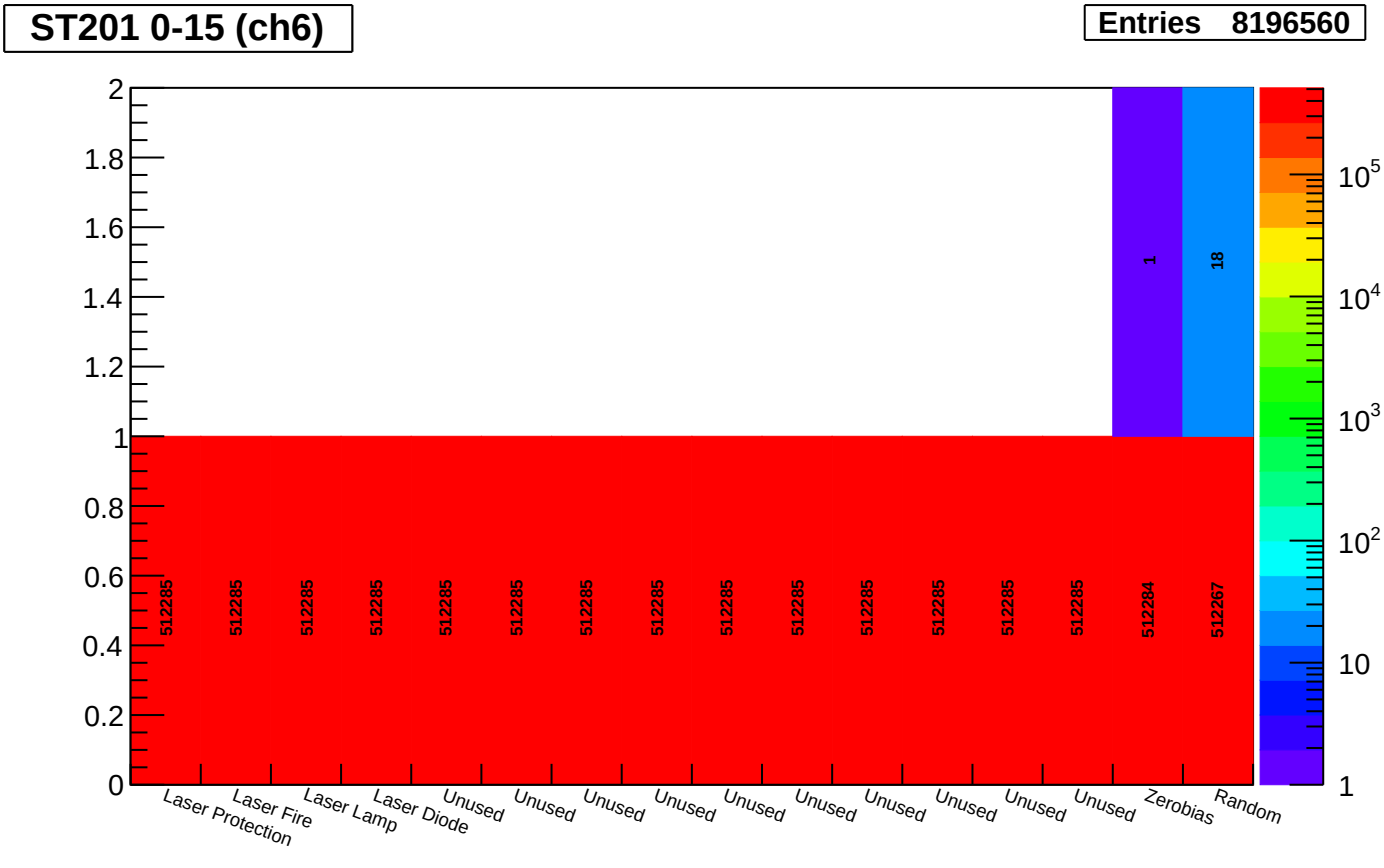

Entries 512285
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

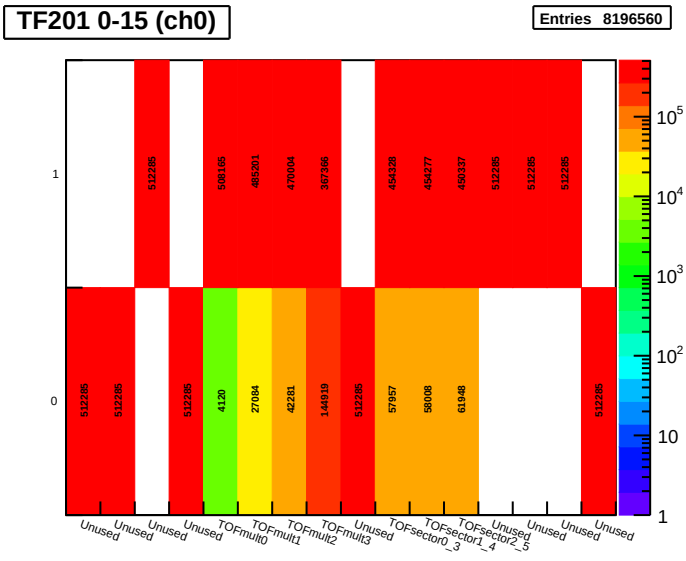

Entries 512285
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

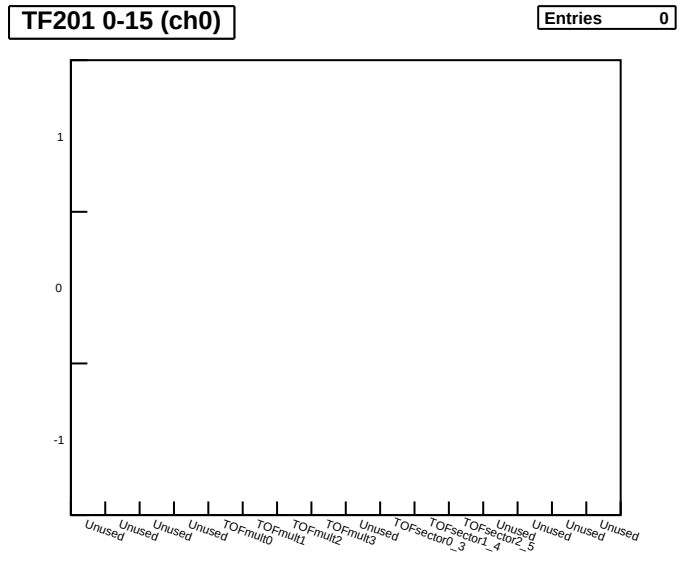

Entries 512285
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

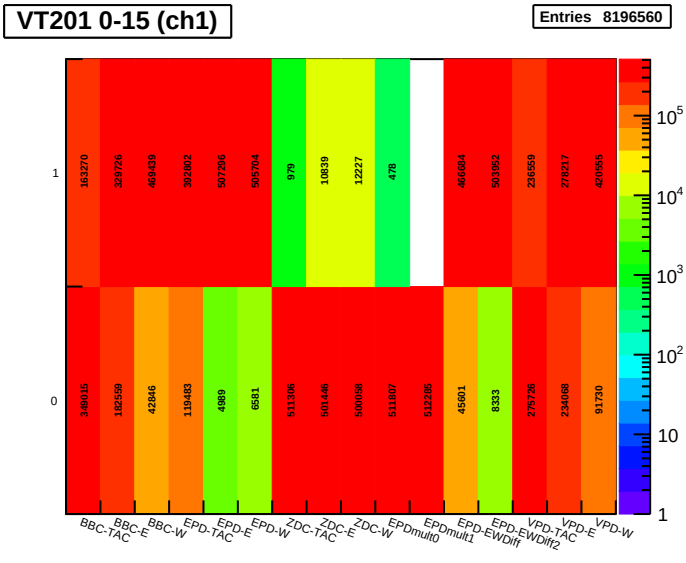

Entries 512285
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

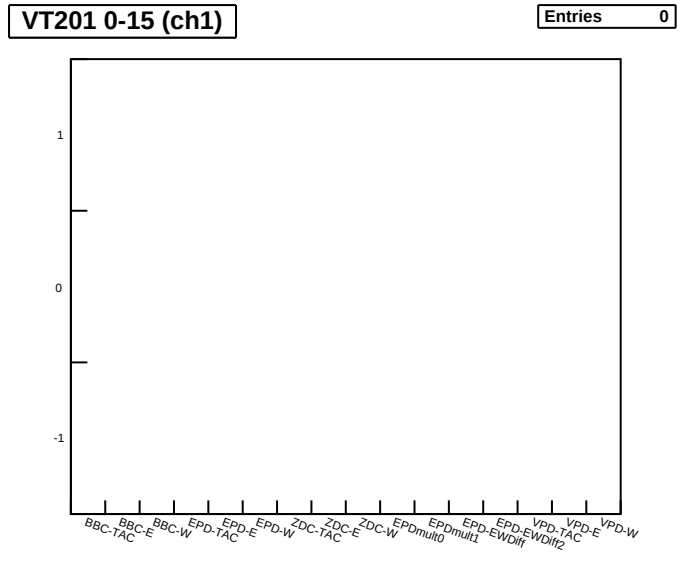

Laser Input Bits
Entries 512285
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

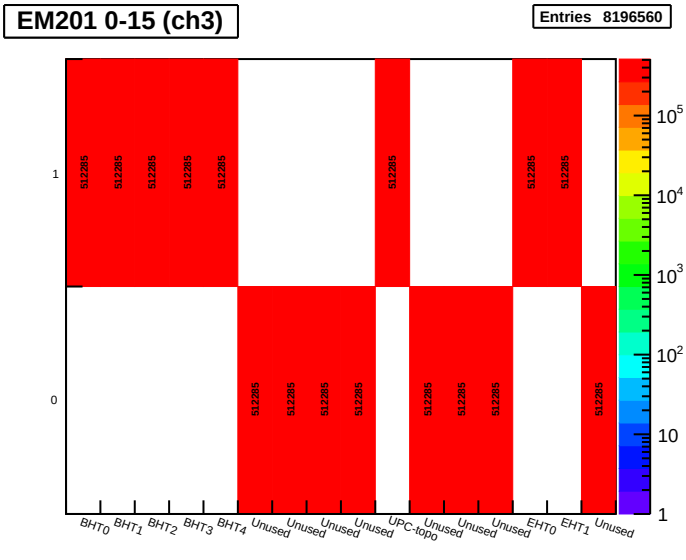

ST201 0-15 (ch6)
Entries 8196560
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
512285
512285
512285
512285
512285
512285
512285
512285
512285
512285
512285
512285
512285
512285
512284
512267
1
18
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

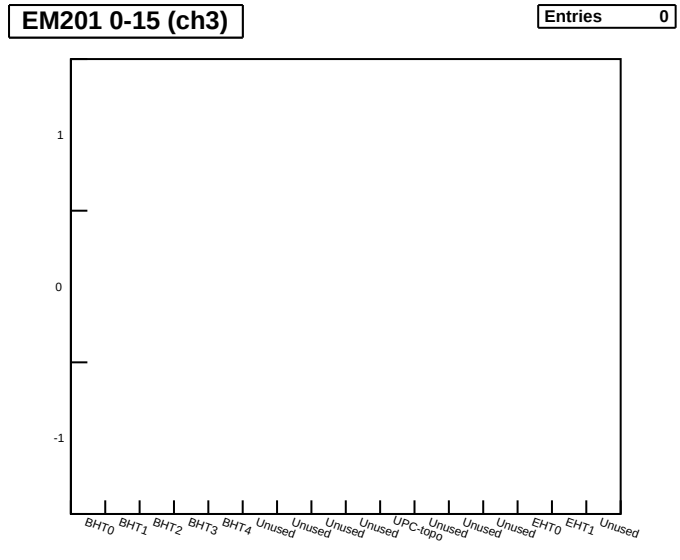

TF201 0-15 (ch0)
Entries 8196560
1
0
512285
508165
495201
470004
367366
454328
454277
450337
512285
512285
512285
512285
512285
4120
27084
42261
144919
512285
57957
58008
61948
512285
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
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 8196560
1
0
163270
329726
469439
392802
507296
505704
979
10839
12227
478
466684
503952
236559
278217
420555
348015
182559
42846
119483
4989
6581
511306
501446
500058
511807
512285
45601
8333
275726
234068
91730
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 8196560
1
0
512285
512285
512285
512285
512285
512285
512285
512285
512285
512285
512285
512285
512285
512285
512285
512285
512285
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