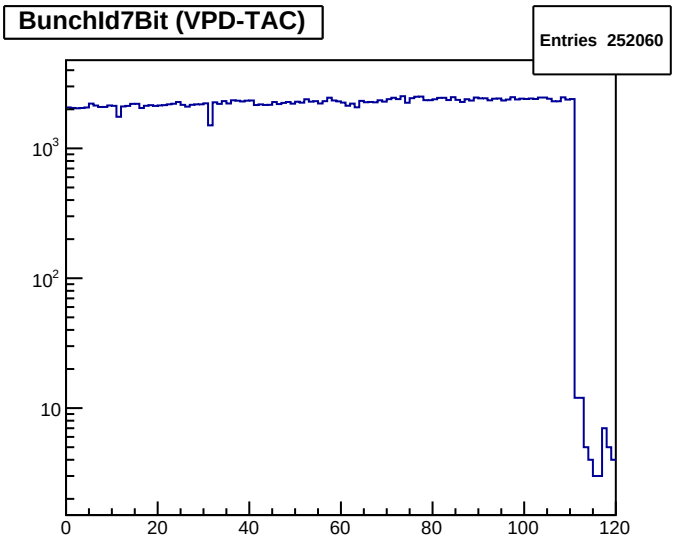
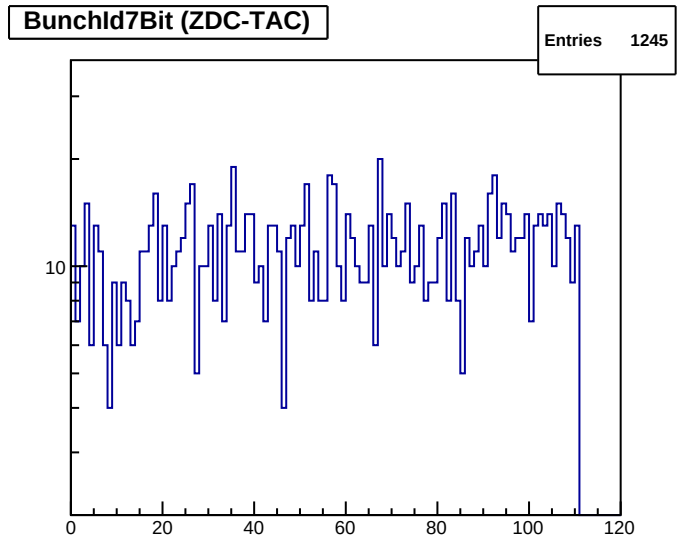
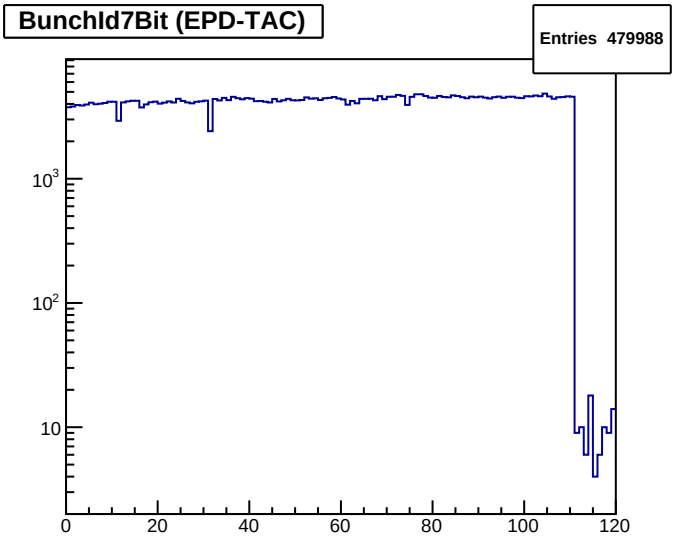
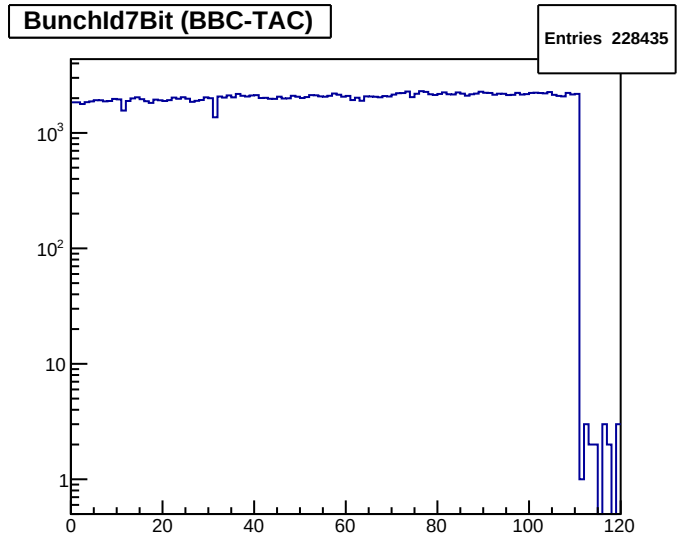
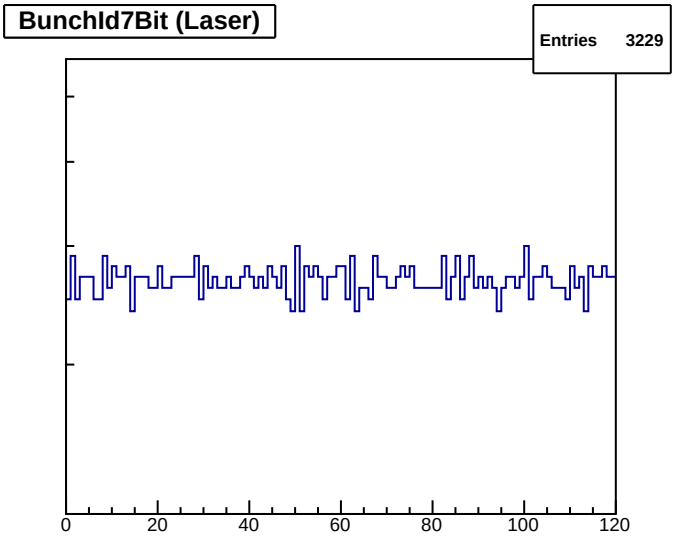
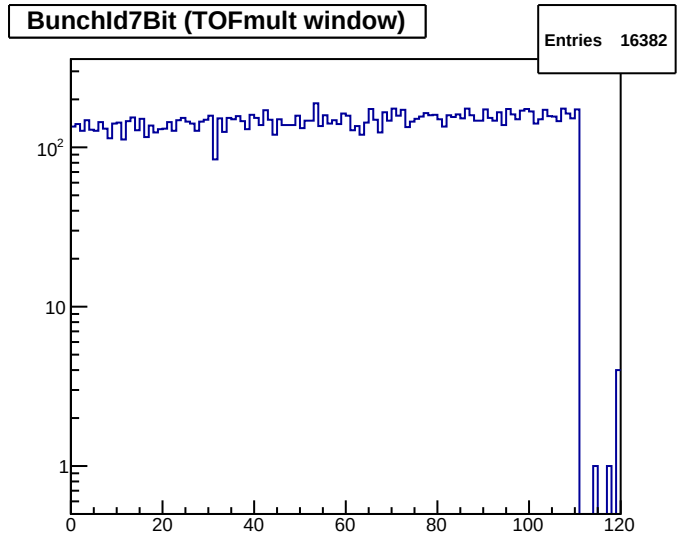

BunchId7Bit (VPD-TAC)
Entries 252060
10^3
10^2
10
0
20
40
60
80
100
120

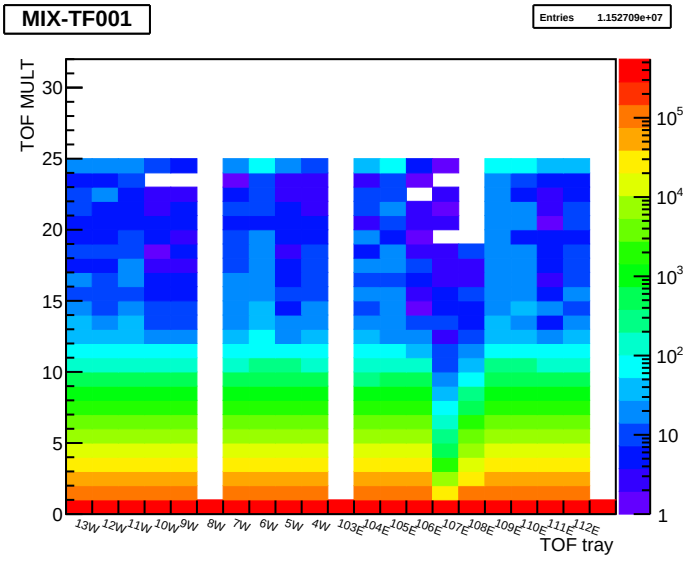

BunchId7Bit (ZDC-TAC)
Entries 1245
10
0
20
40
60
80
100
120

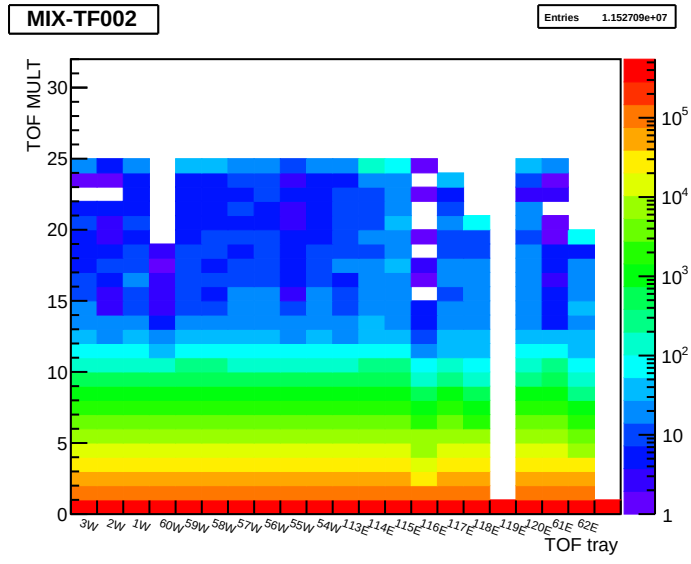

BunchId7Bit (EPD-TAC)
Entries 479988
10^3
10^2
10
0
20
40
60
80
100
120

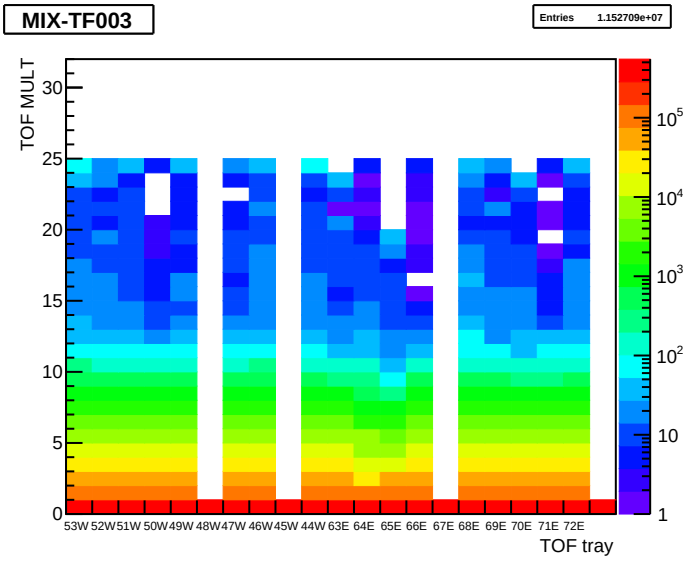

BunchId7Bit (BBC-TAC)
Entries 228435
10^3
10^2
10
1
0
20
40
60
80
100
120

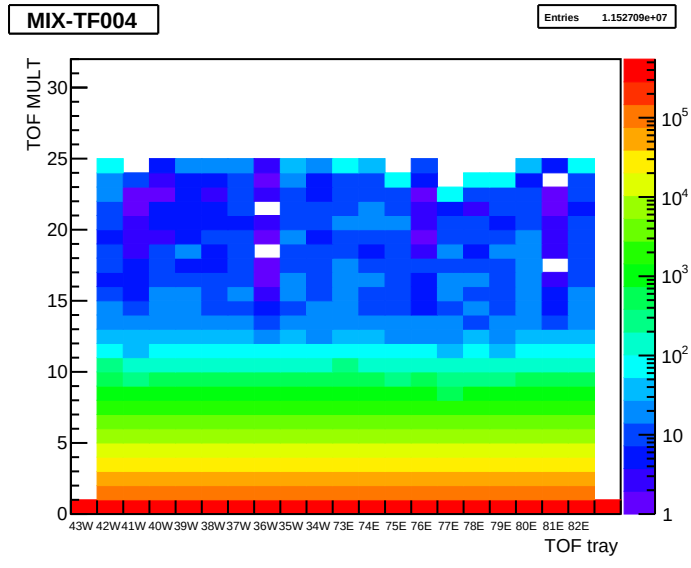

BunchId7Bit (Laser)
Entries 3229
0
20
40
60
80
100
120

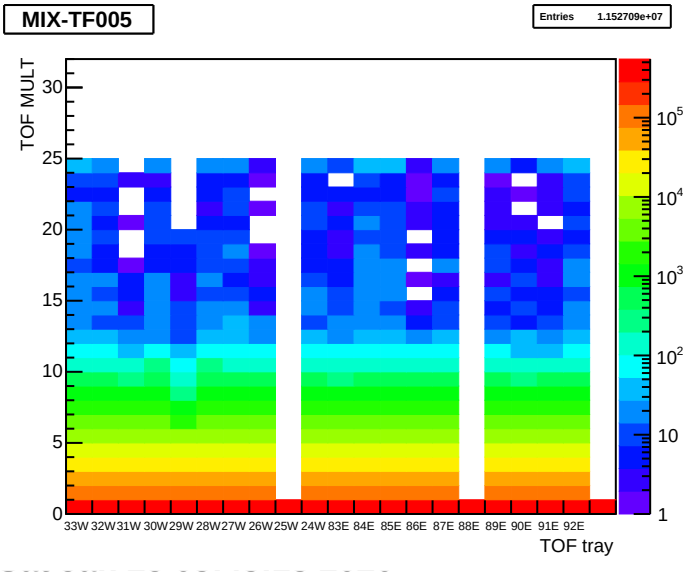

BunchId7Bit (TOFmult window)
Entries 16382
10^2
10
1
0
20
40
60
80
100
120

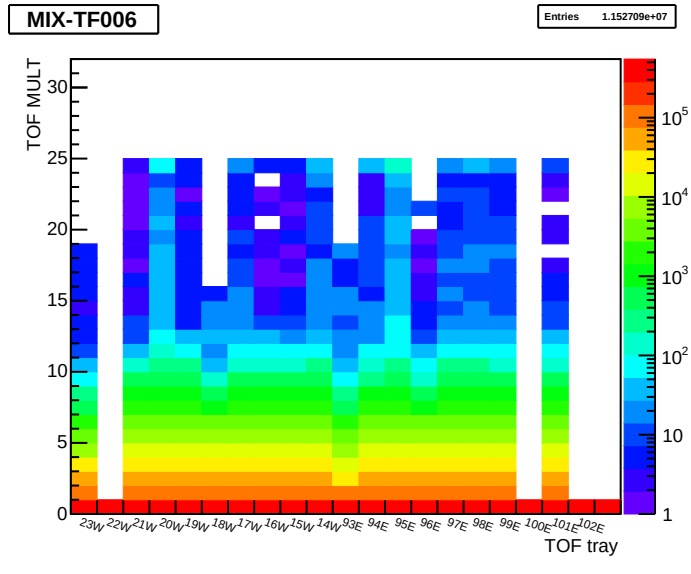

MIX-TF001
Entries 1.152709e+07
TOF MULT
TOF tray

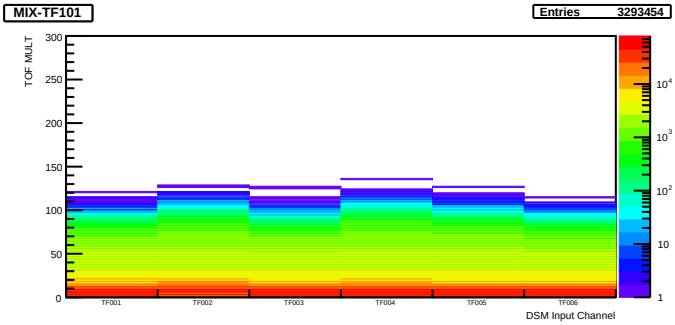

MIX-TF002
Entries 1.152709e+07
TOF MULT
TOF tray

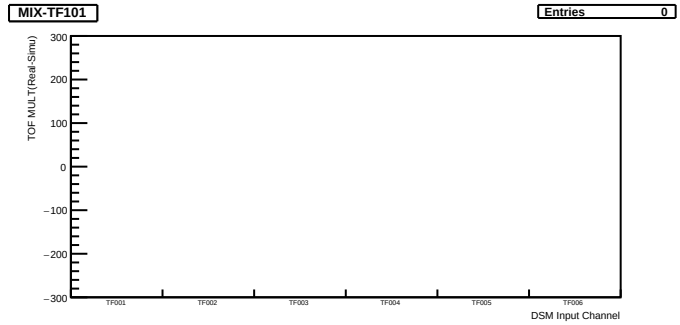

MIX-TF003
Entries 1.152709e+07
TOF MULT
TOF tray

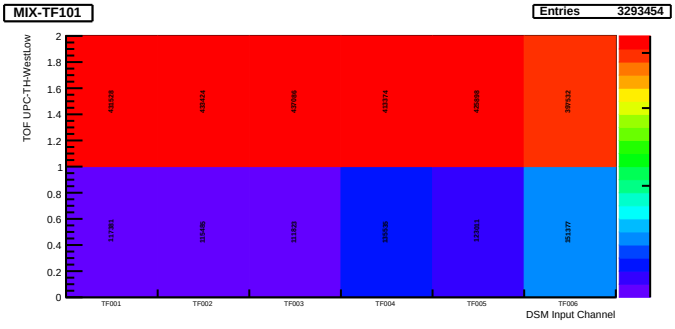

MIX-TF004
Entries 1.152709e+07
TOF MULT
TOF tray

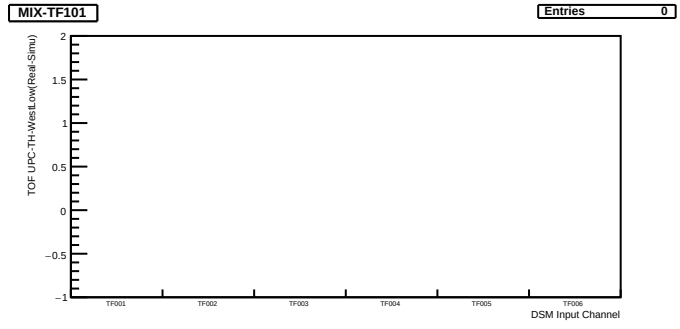

MIX-TF005
Entries 1.152709e+07
TOF MULT
TOF tray

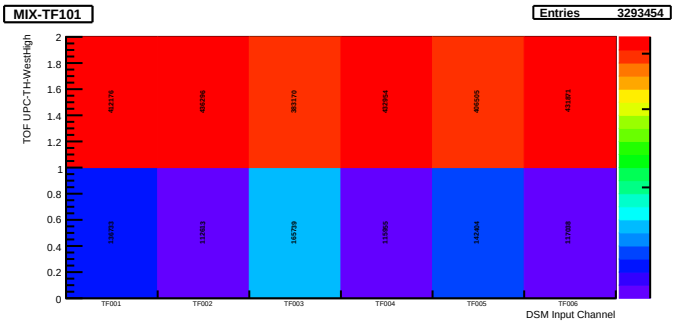

MIX-TF006
Entries 1.152709e+07
TOF MULT
TOF tray

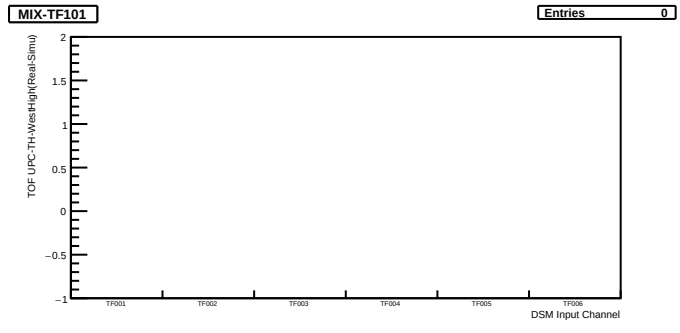

MIX-TF101
Entries 3293454
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

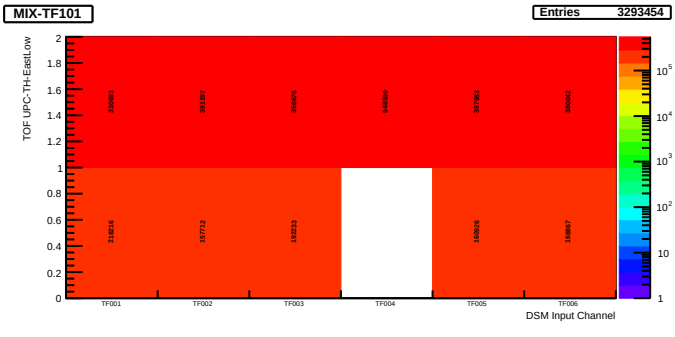

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

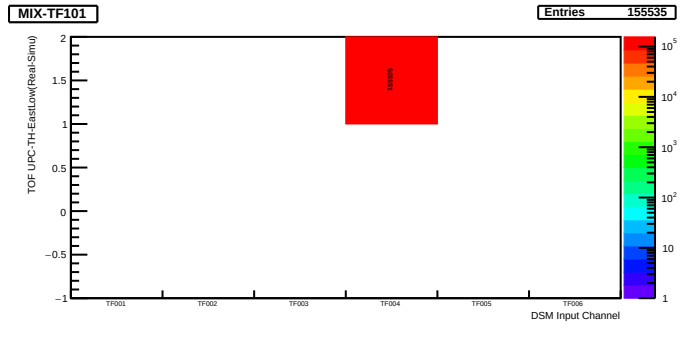

MIX-TF101
Entries 3293454
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

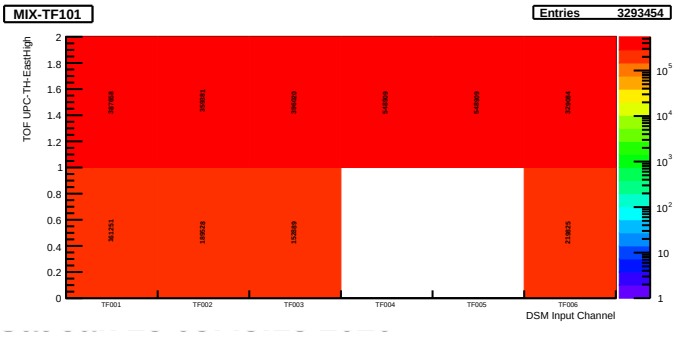

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

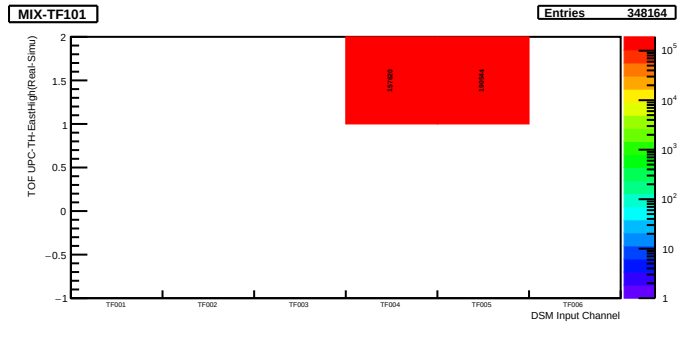

MIX-TF101
Entries 3293454
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

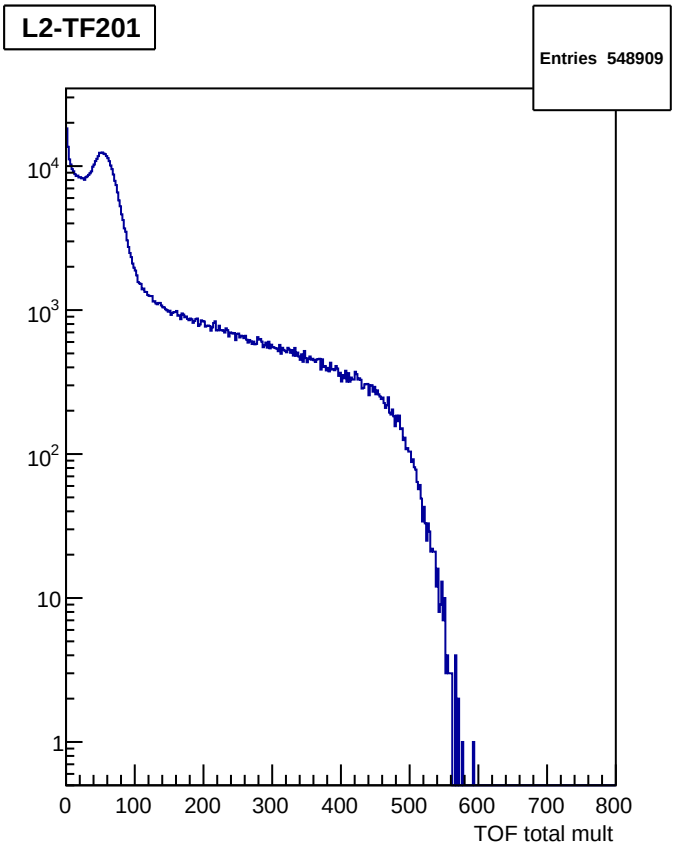

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

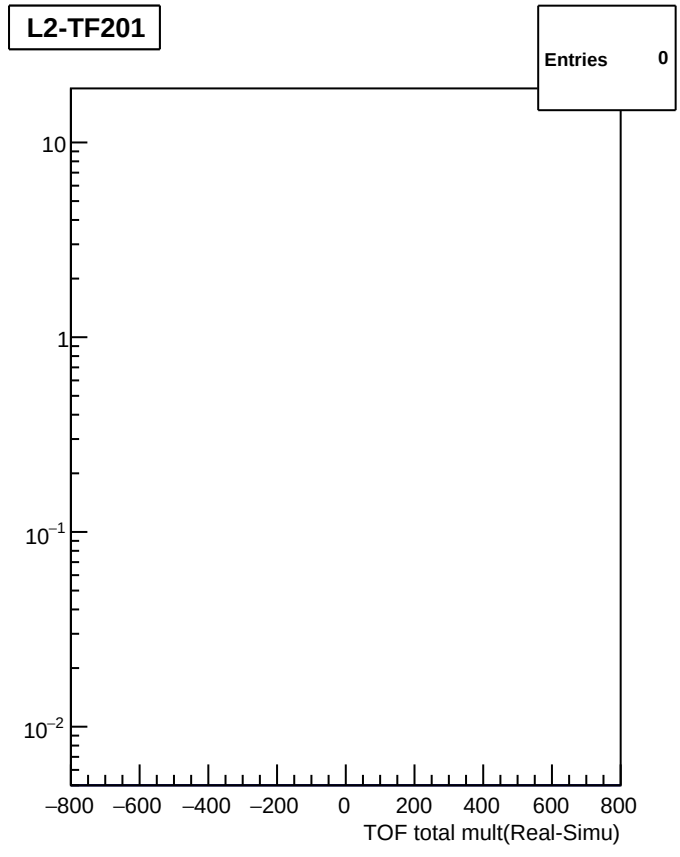

MIX-TF101
Entries 3293454
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

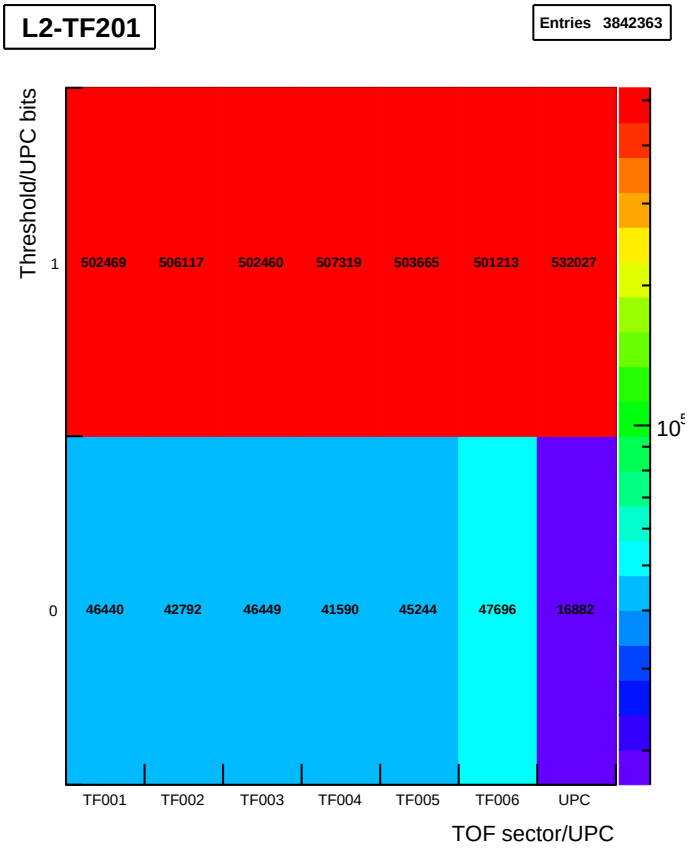

MIX-TF101
Entries 155535
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

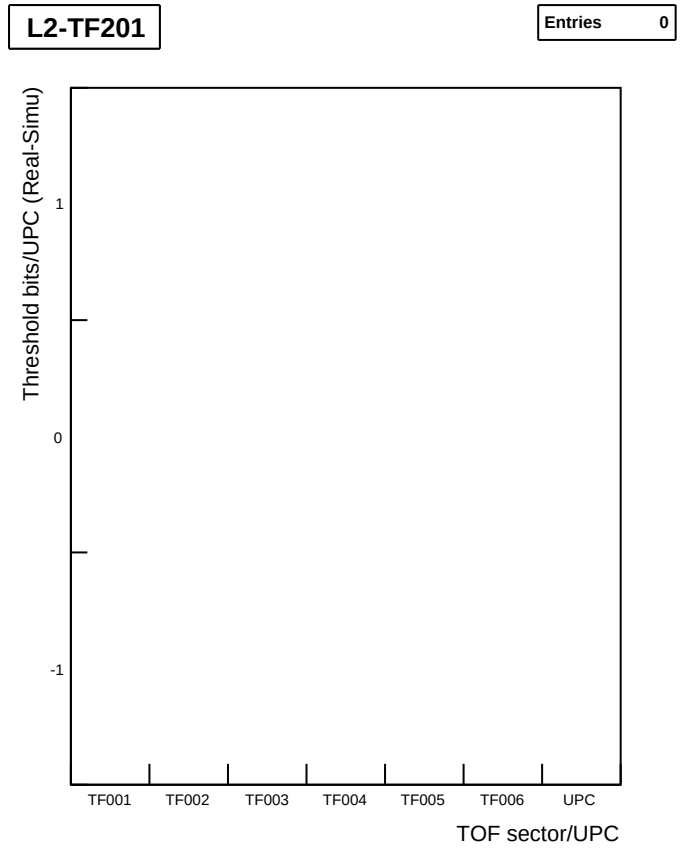

MIX-TF101
Entries 3293454
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

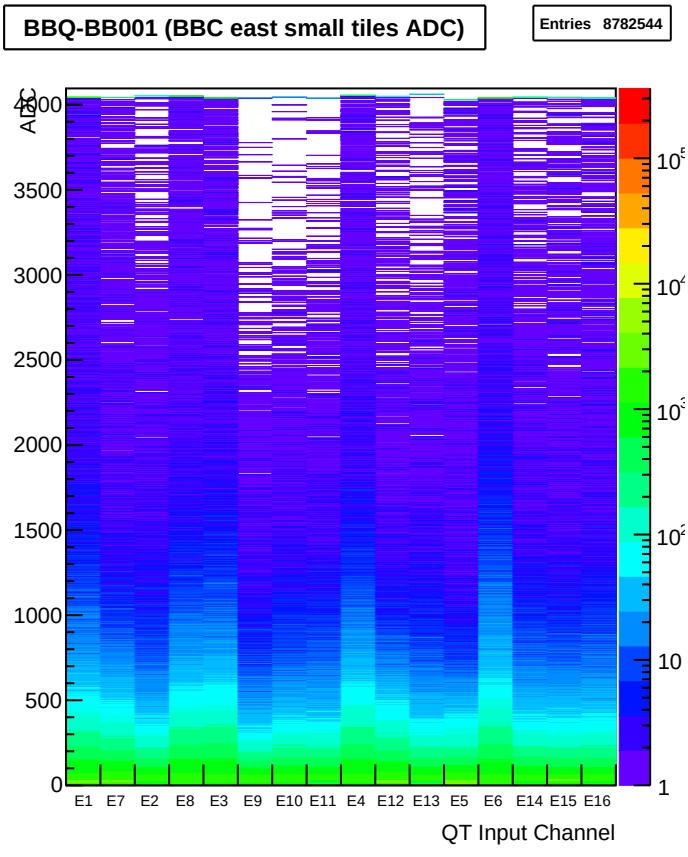

MIX-TF101
Entries 348164
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

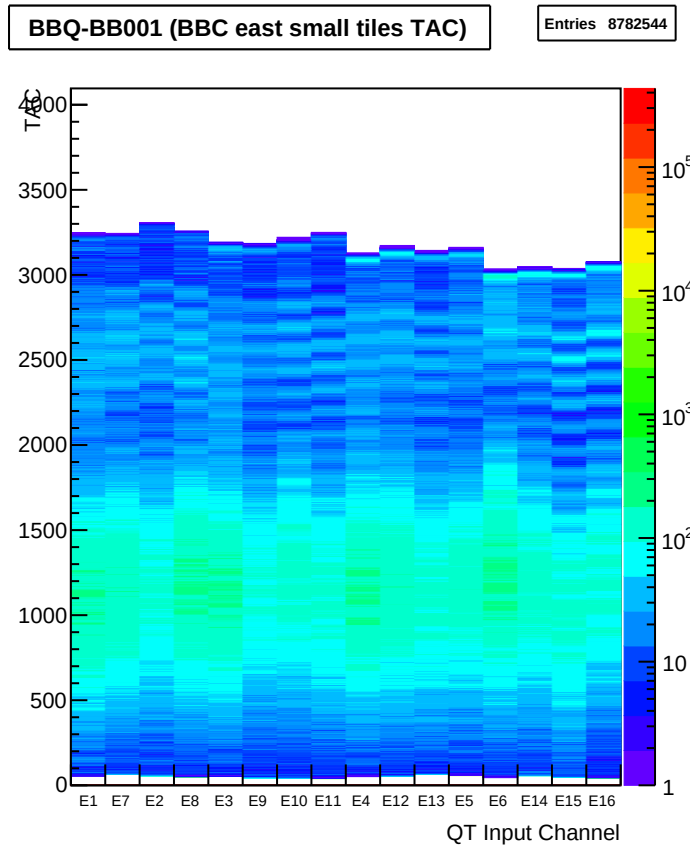

L2-TF201
Entries 548909
TOF total mult

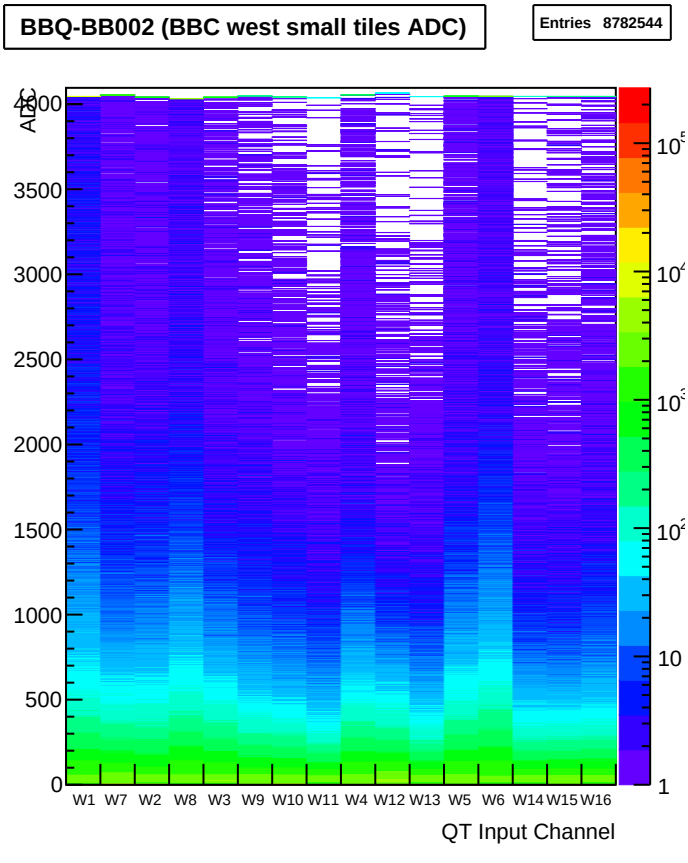

L2-TF201
Entries 0
TOF total mult(Real-Simu)

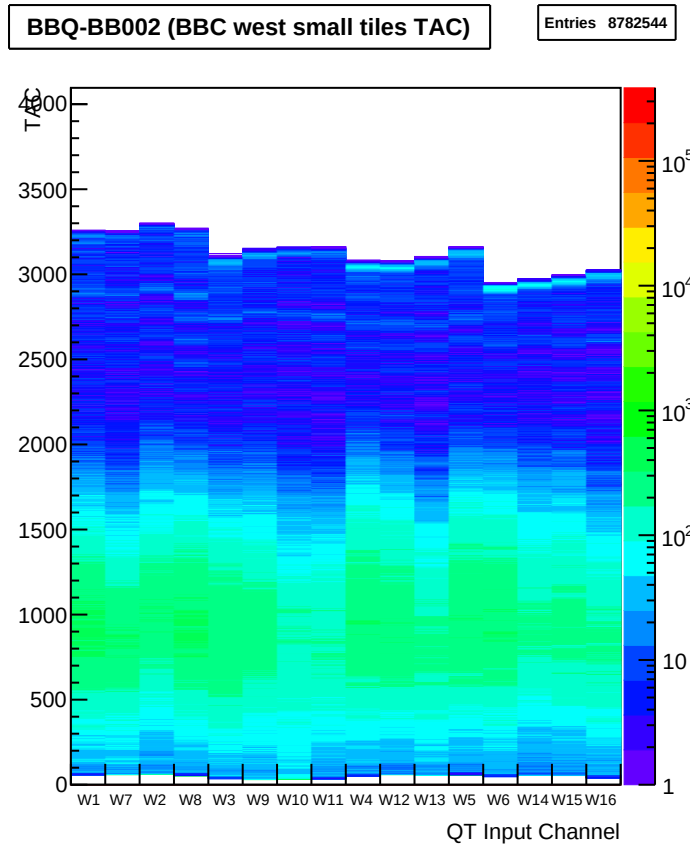

L2-TF201
Entries 3842363
Threshold/UPC bits
502469
506117
502460
507319
503665
501213
532027
46440
42792
46449
41590
45244
47696
16882
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

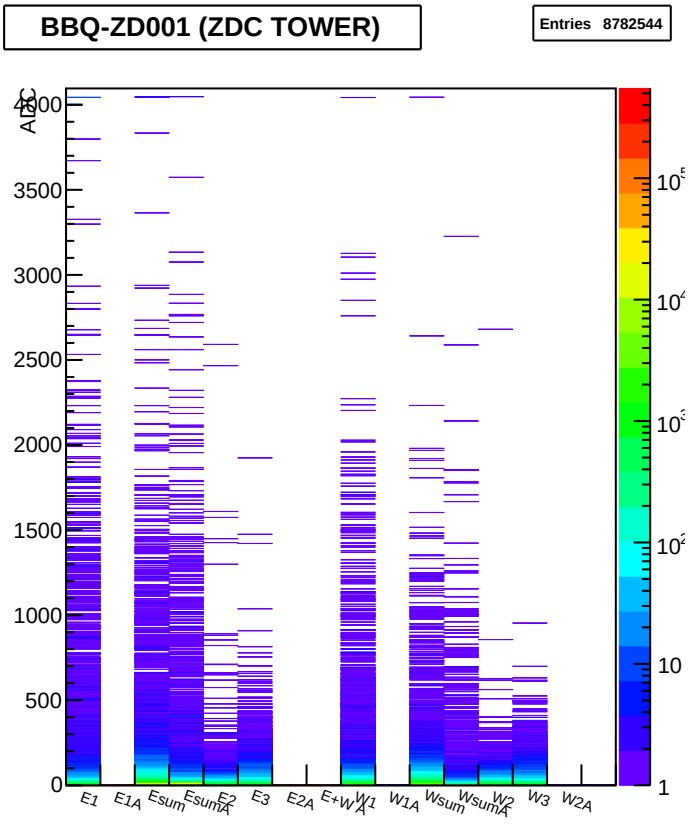

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

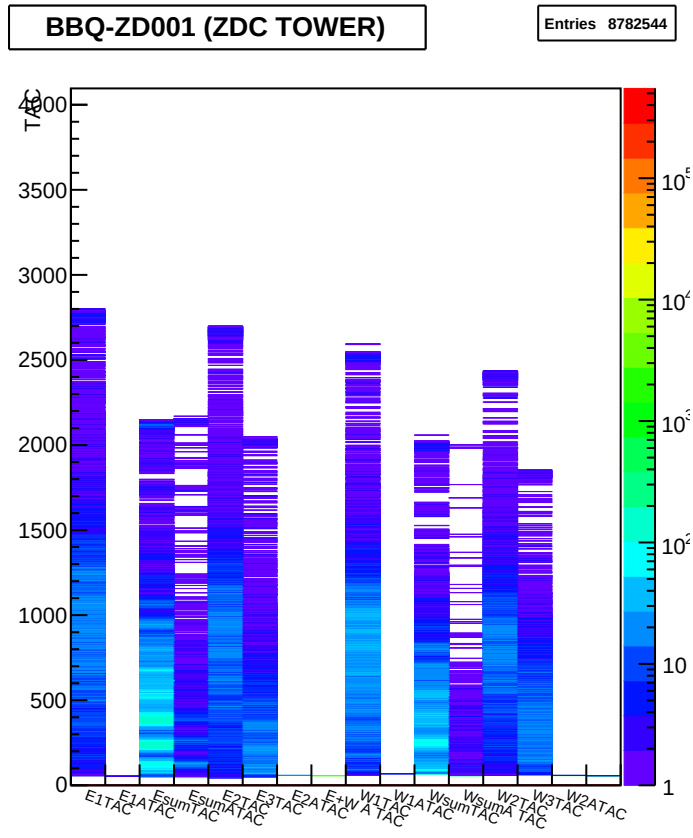

BBQ-BB001 (BBC east small tiles ADC)
Entries 8782544
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

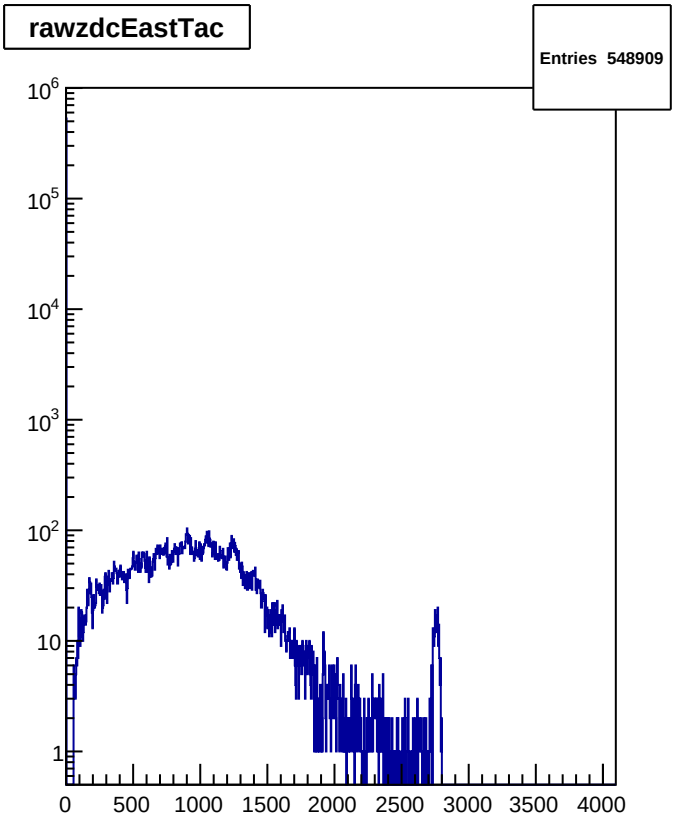

BBQ-BB001 (BBC east small tiles TAC)
Entries 8782544
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

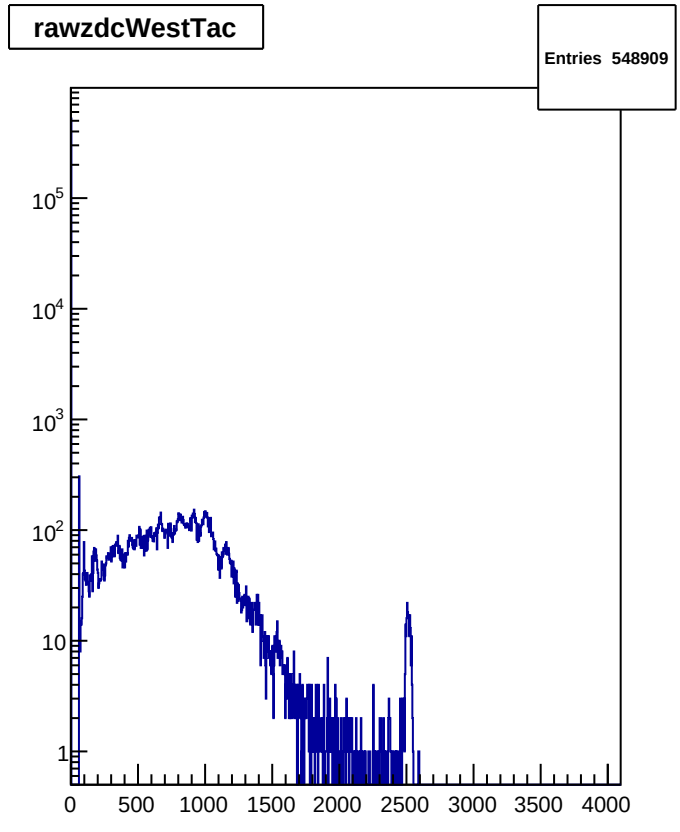

BBQ-BB002 (BBC west small tiles ADC)
Entries 8782544
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

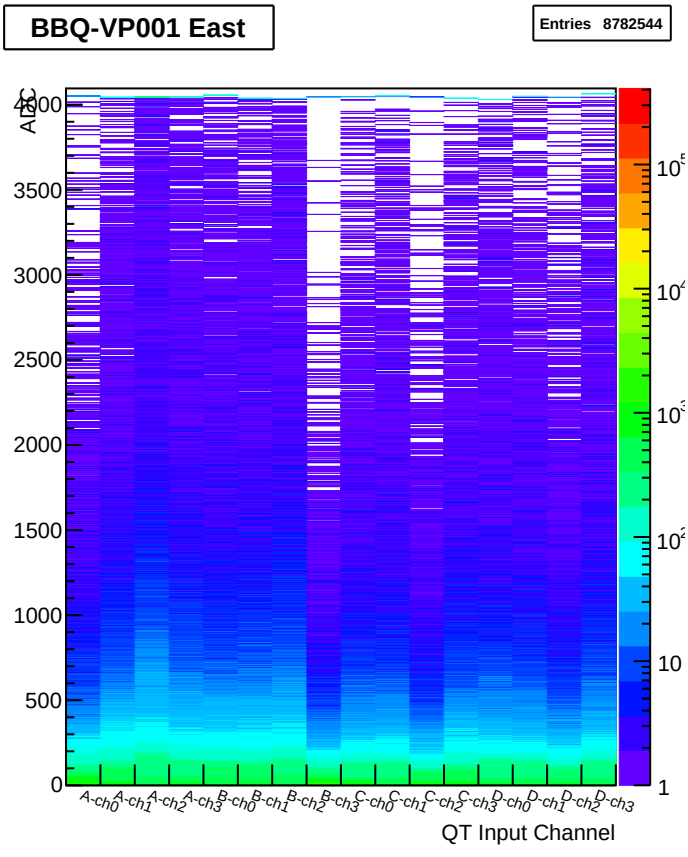

BBQ-BB002 (BBC west small tiles TAC)
Entries 8782544
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

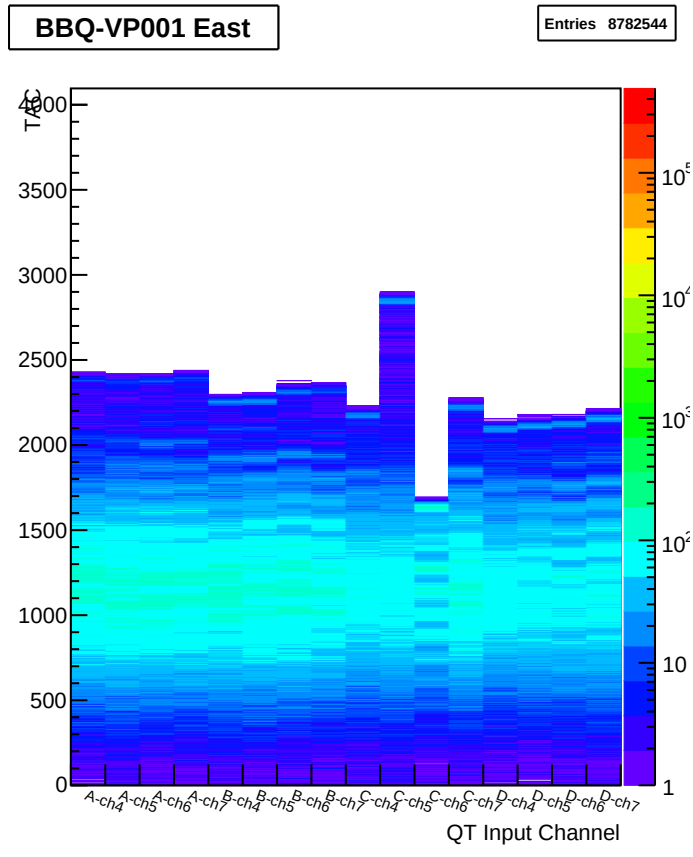

BBQ-ZD001 (ZDC TOWER)
Entries 8782544
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W A
W1
W1A
Wsum
WsumA
W2
W3
W2A

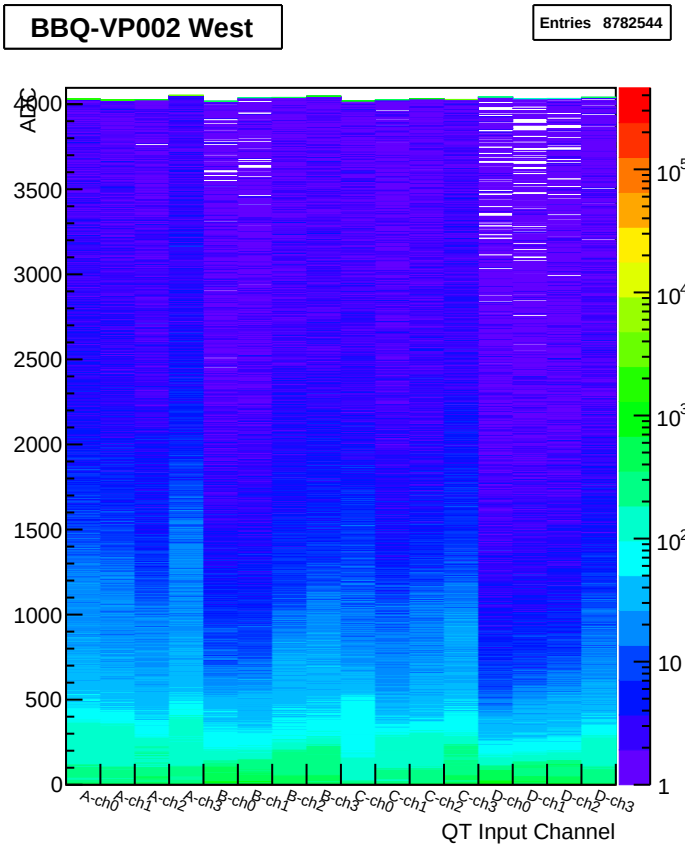

BBQ-ZD001 (ZDC TOWER)
Entries 8782544
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

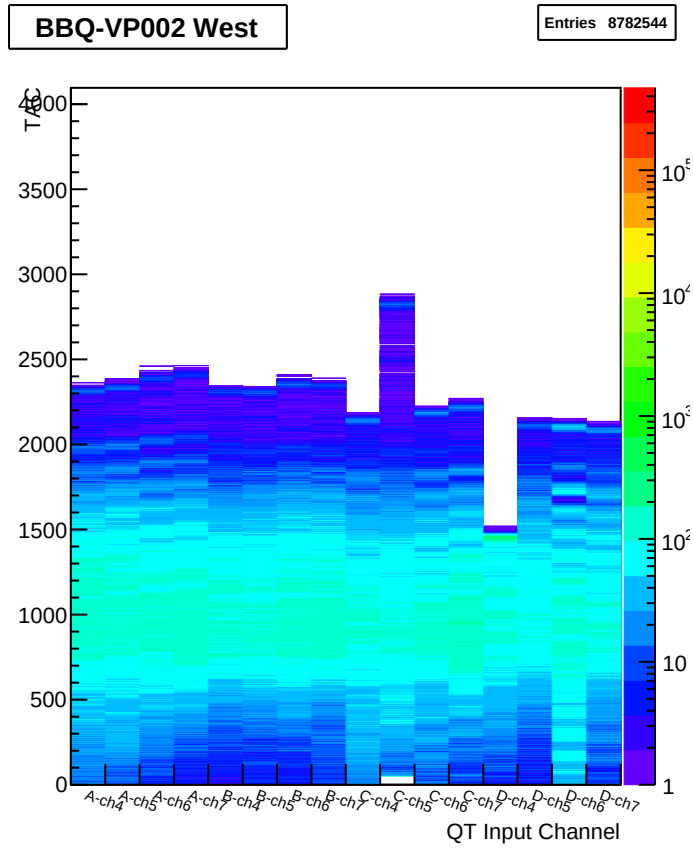

rawzdcEastTac
Entries 548909

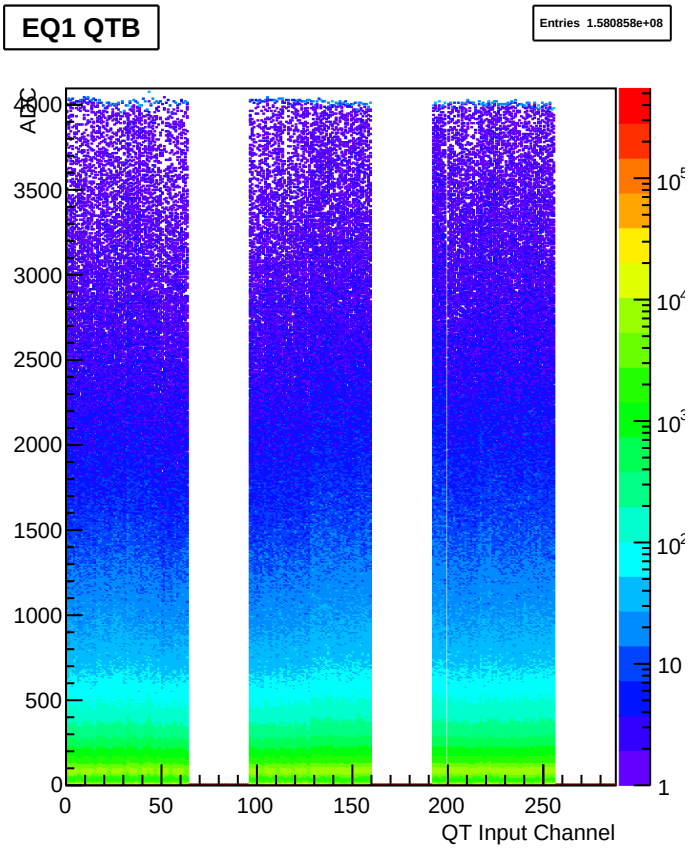

rawzdcWestTac
Entries 548909

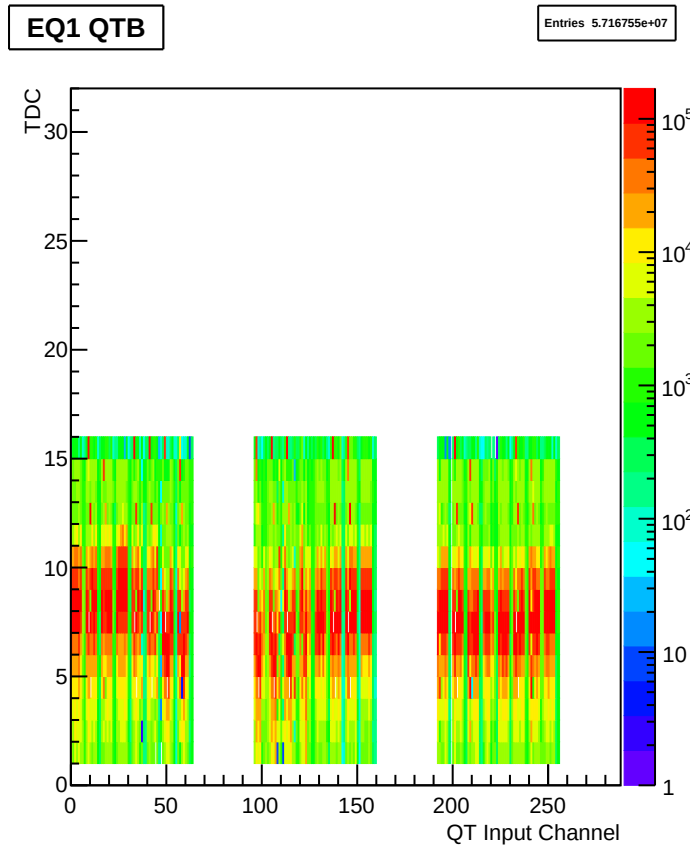

BBQ-VP001 East
Entries 8782544
ADC
QT Input Channel

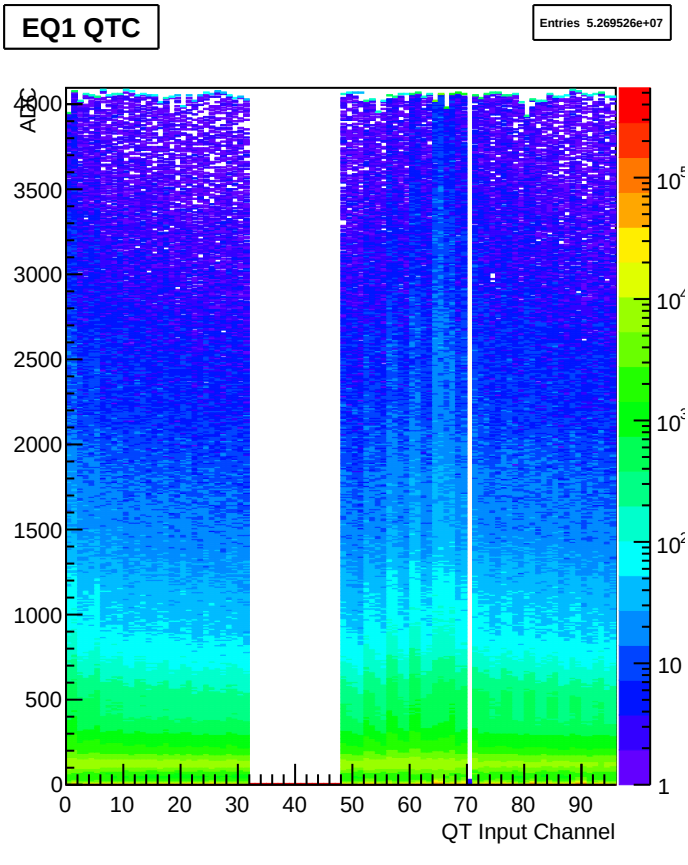

BBQ-VP001 East
Entries 8782544
TAC
QT Input Channel

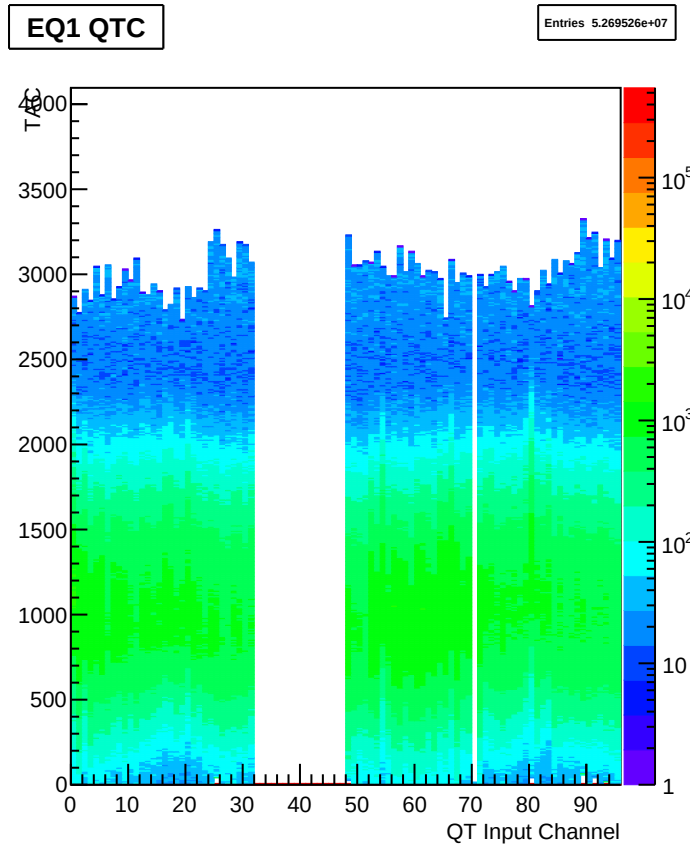

BBQ-VP002 West
Entries 8782544
ADC
QT Input Channel

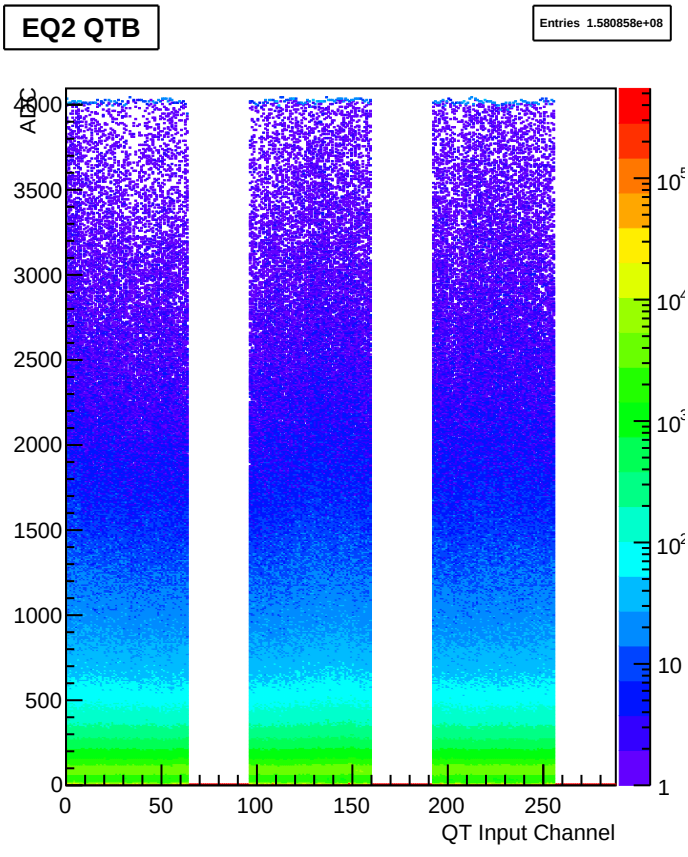

BBQ-VP002 West
Entries 8782544
TAC
QT Input Channel

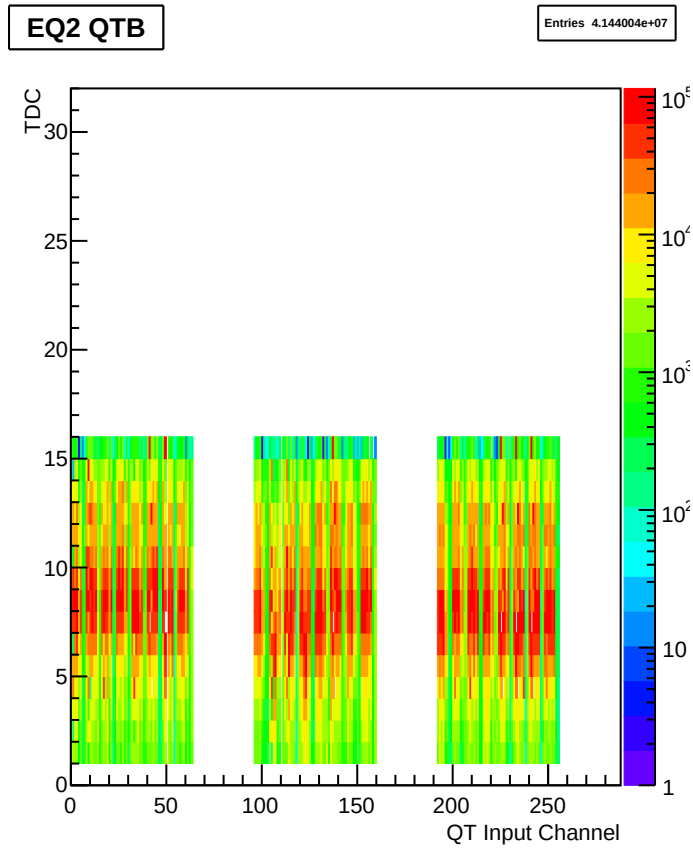

EQ1 QTB
Entries 1.580858e+08
ADC
QT Input Channel

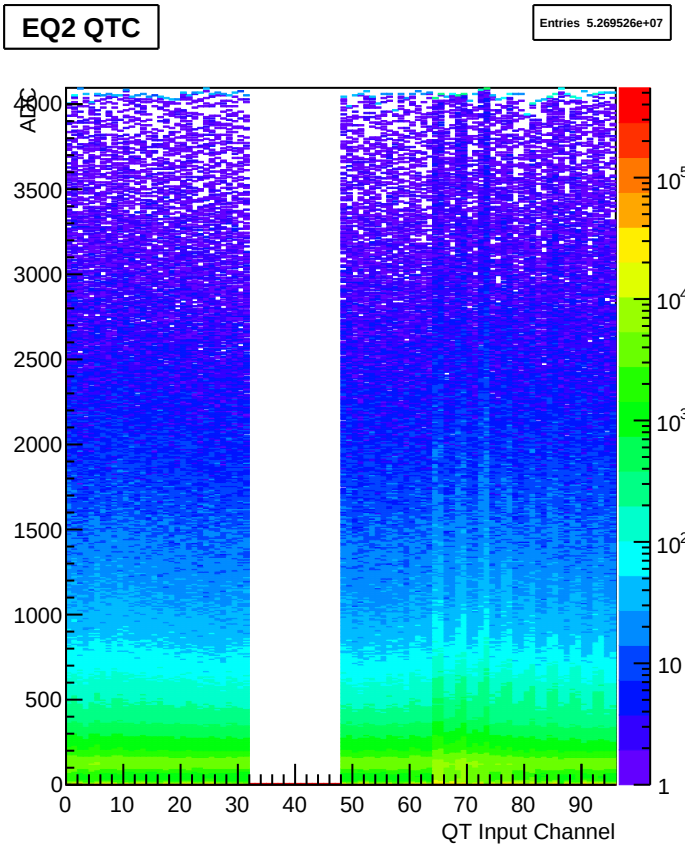

EQ1 QTB
Entries 5.716755e+07
TDC
QT Input Channel

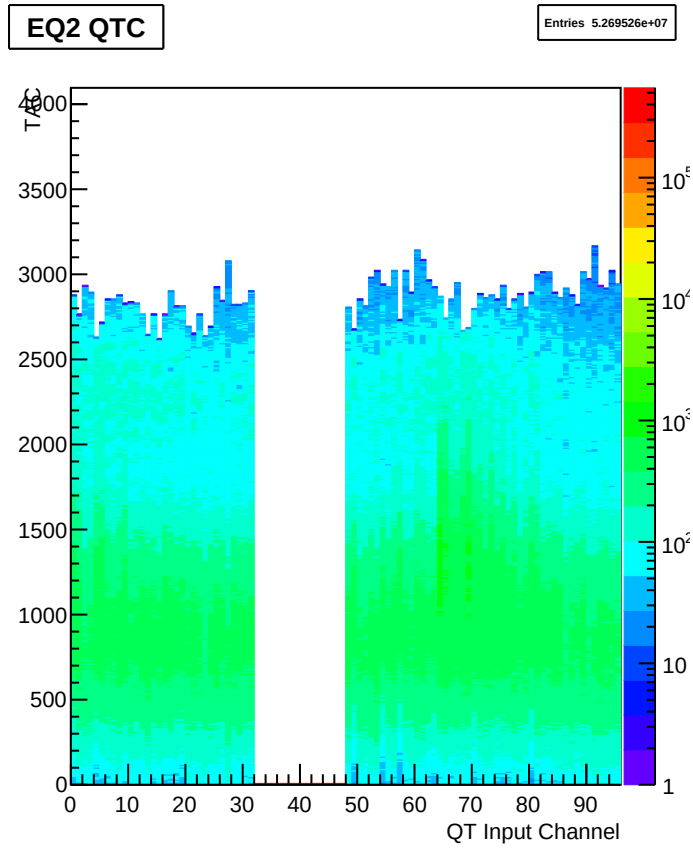

EQ1 QTC
Entries 5.269526e+07
ADC
QT Input Channel

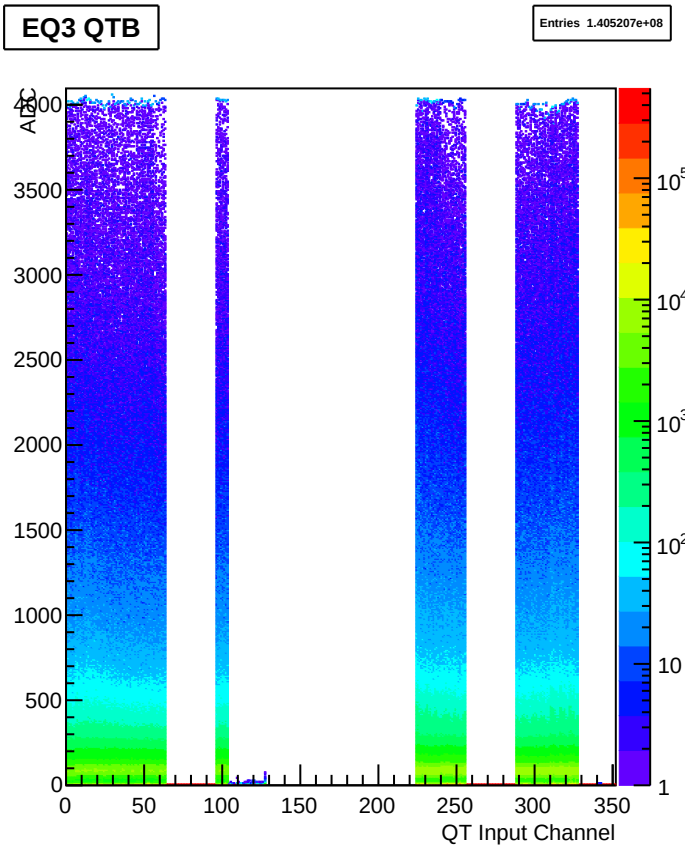

EQ1 QTC
Entries 5.269526e+07
TADC
QT Input Channel

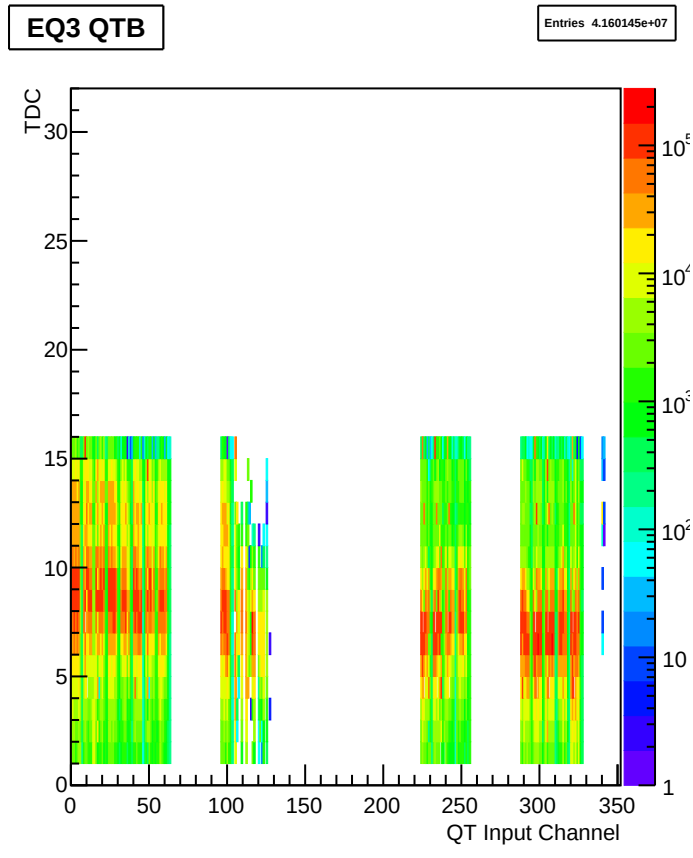

EQ2 QTB
Entries 1.580858e+08
ADC
QT Input Channel


EQ2 QTB
Entries 4.144004e+07
TDC
QT Input Channel


EQ2 QTC
Entries 5.269526e+07
ADC
QT Input Channel


EQ2 QTC
Entries 5.269526e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.405207e+08
ADC
QT Input Channel


EQ3 QTB
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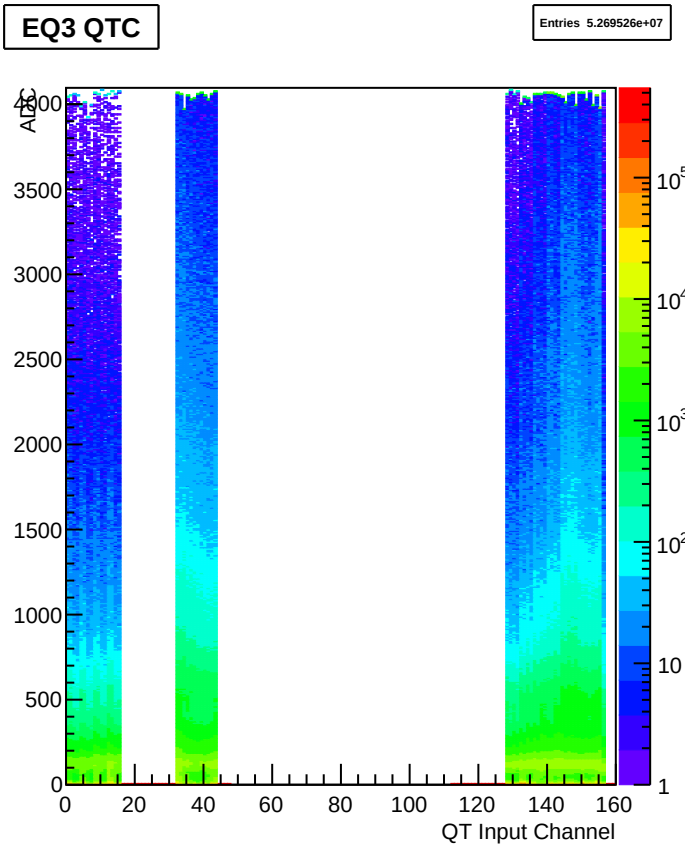
TDC
QT Input Channel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ADC
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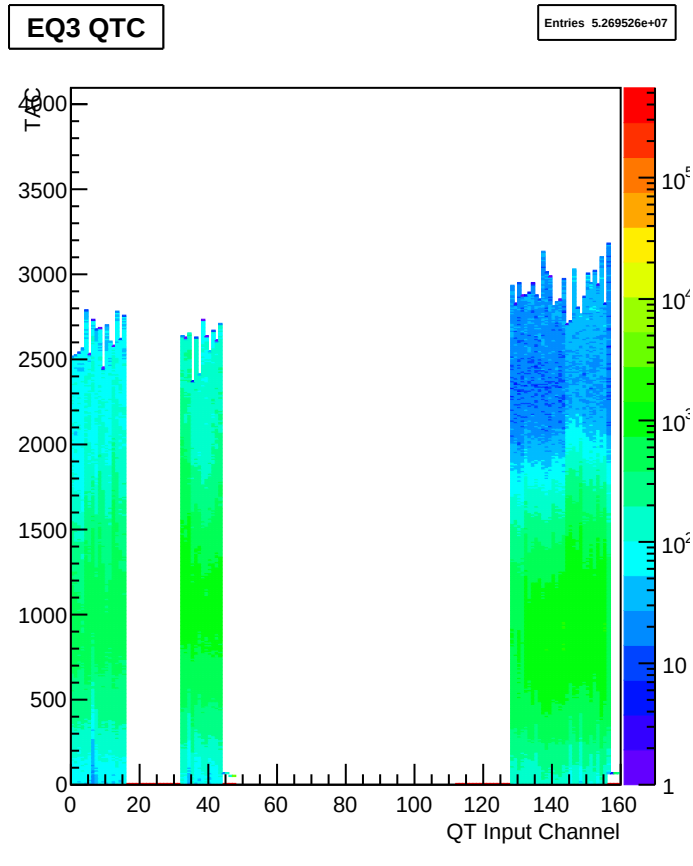
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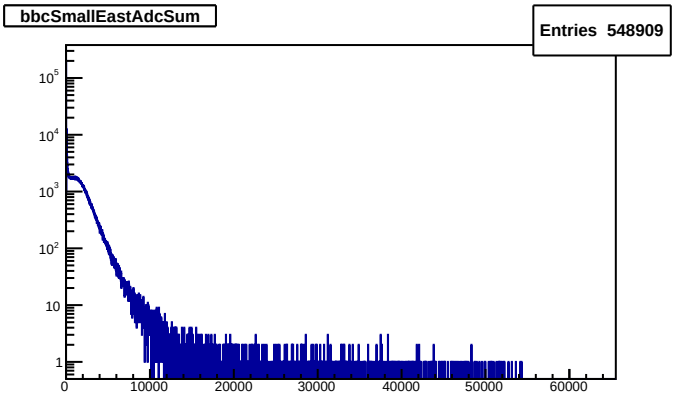
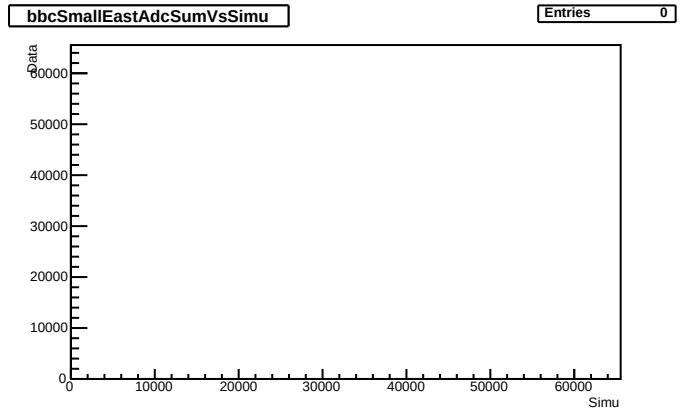
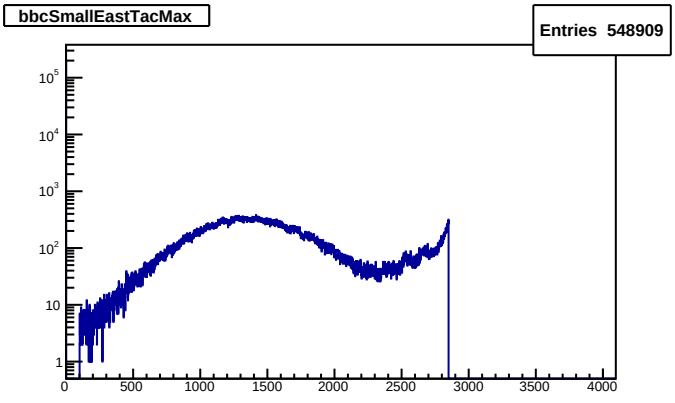
QT Input Channel


bbcSmallEastAdcSum
Entries 548909


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu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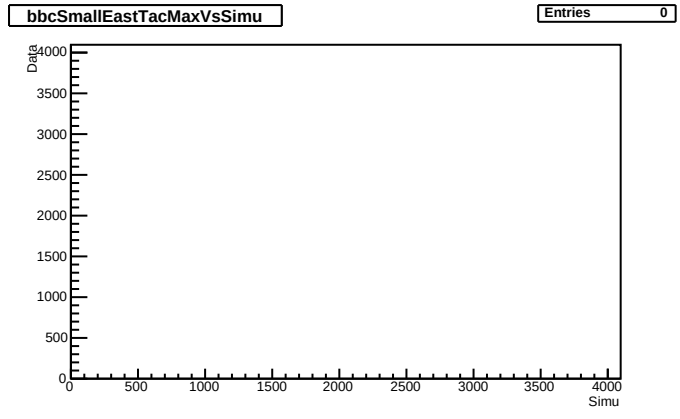
Entries 548909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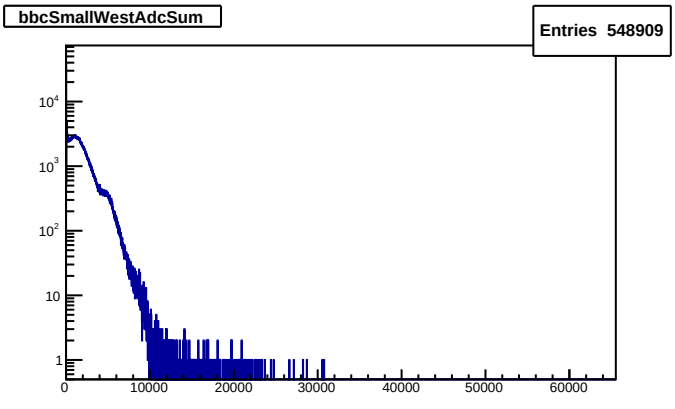
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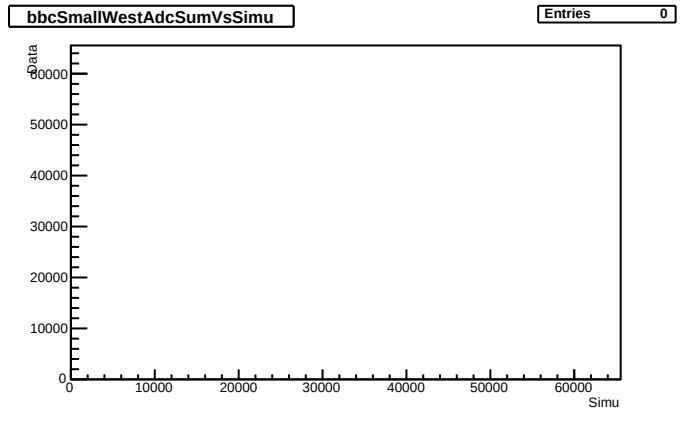
Entries 548909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Entries 0
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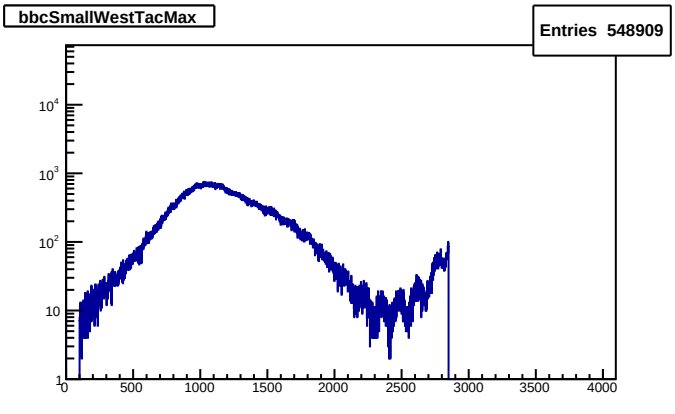
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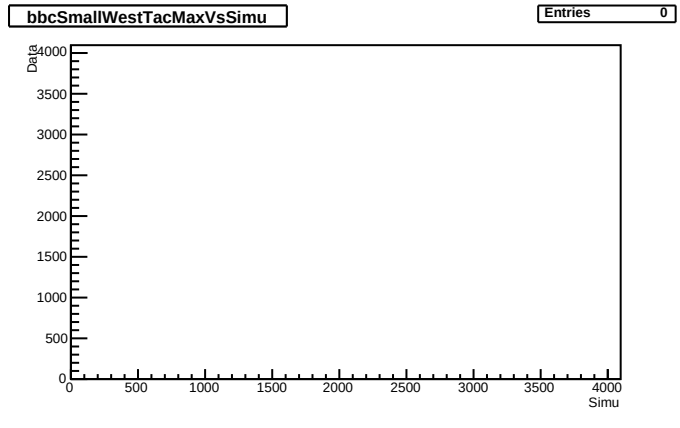
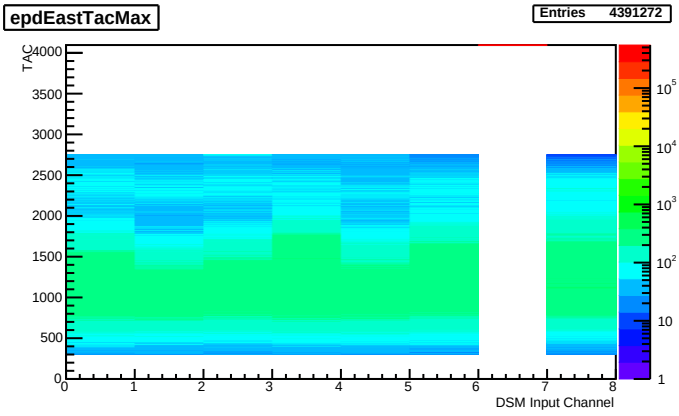
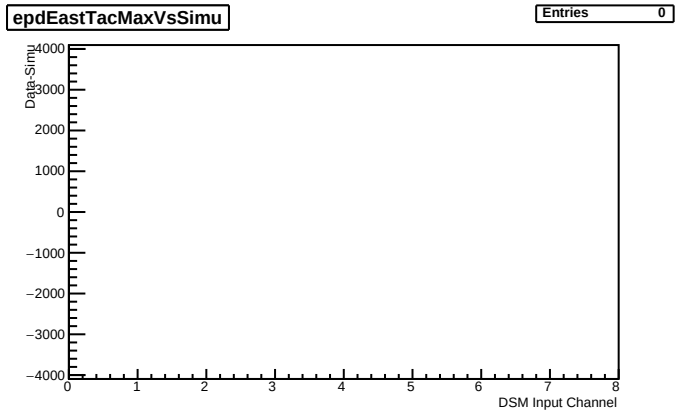
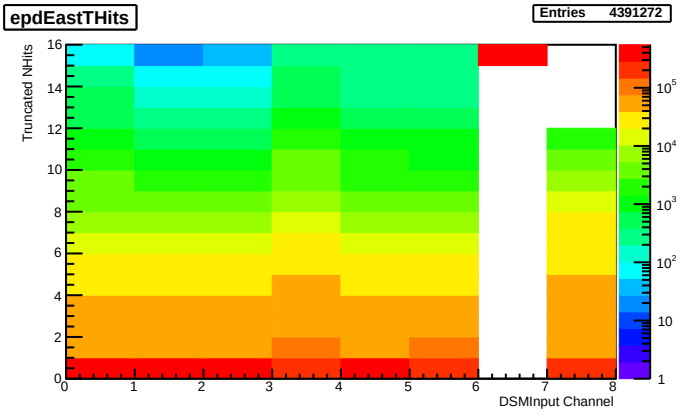
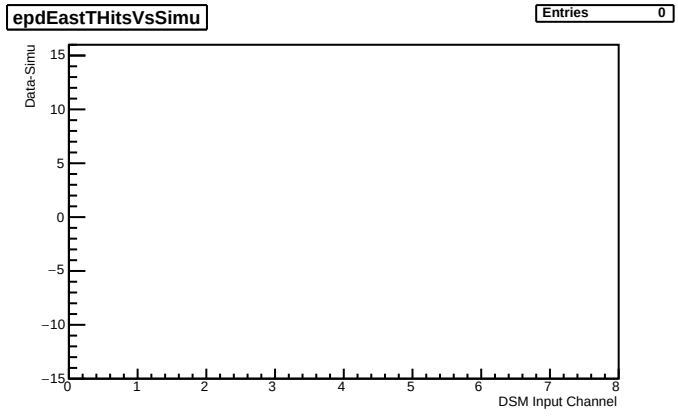

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 4391272
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4391272
Truncated NHits
DSMInput Channel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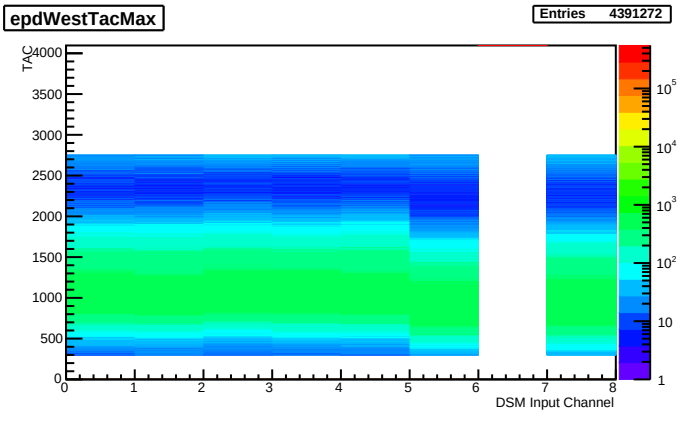
Data-Simu
DSM Input Channel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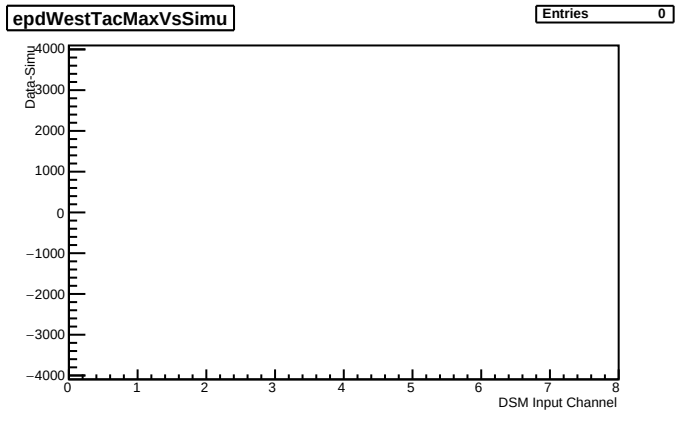
Entries 4391272
TAC
DSM Input Channel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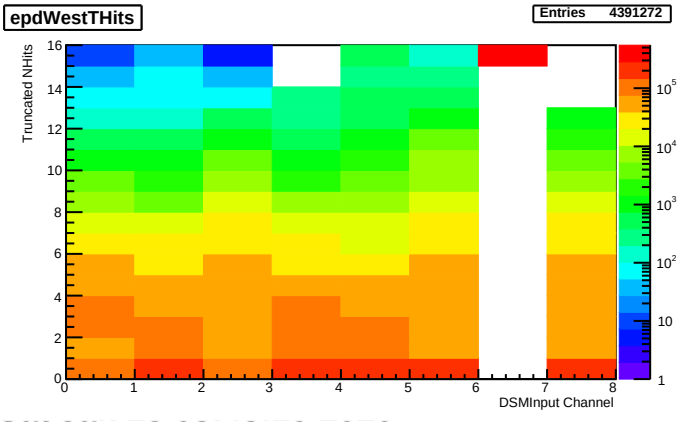
DSM Input Channel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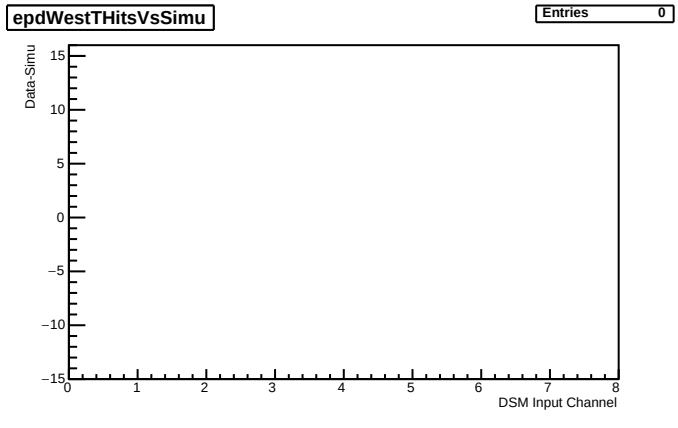
DSMInput Channel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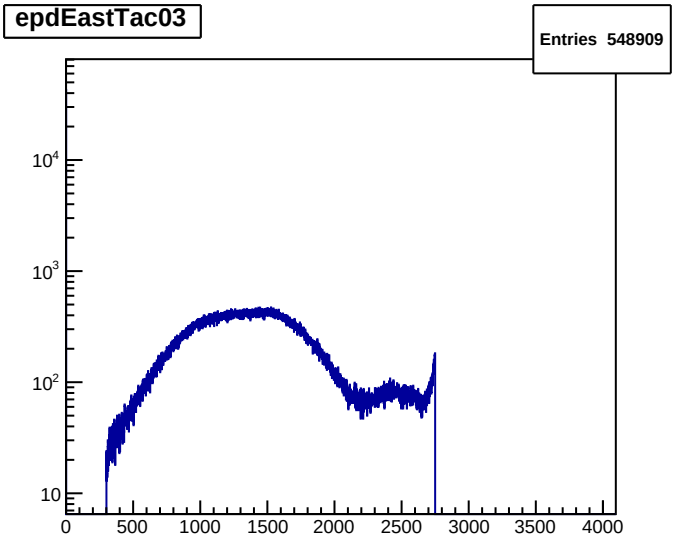
DSM Input Channel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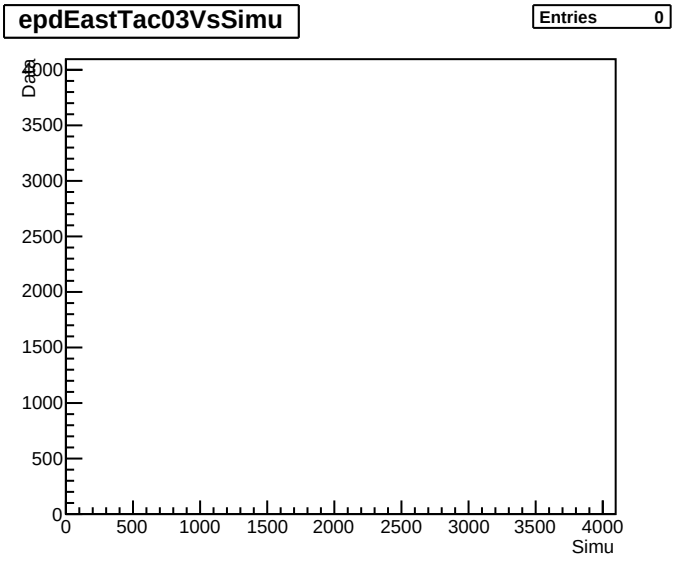
Entries 548909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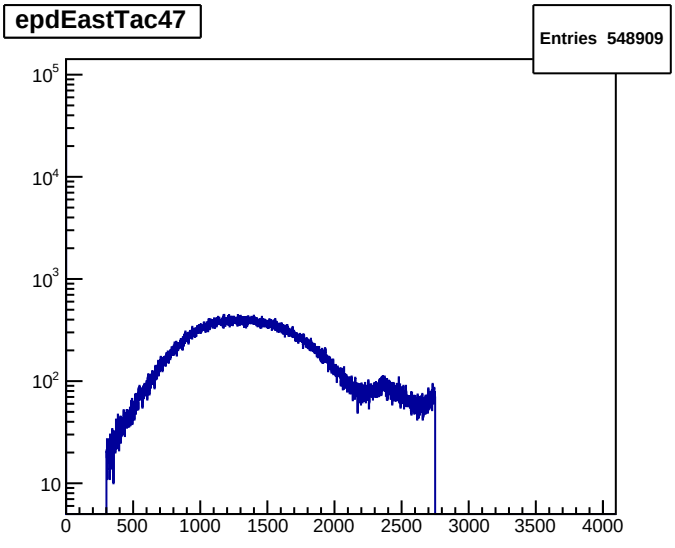
Entries 0
Data
Simu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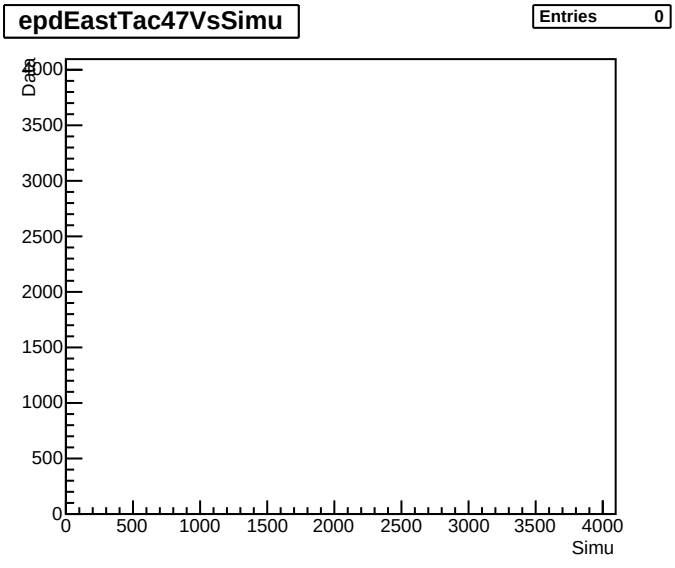
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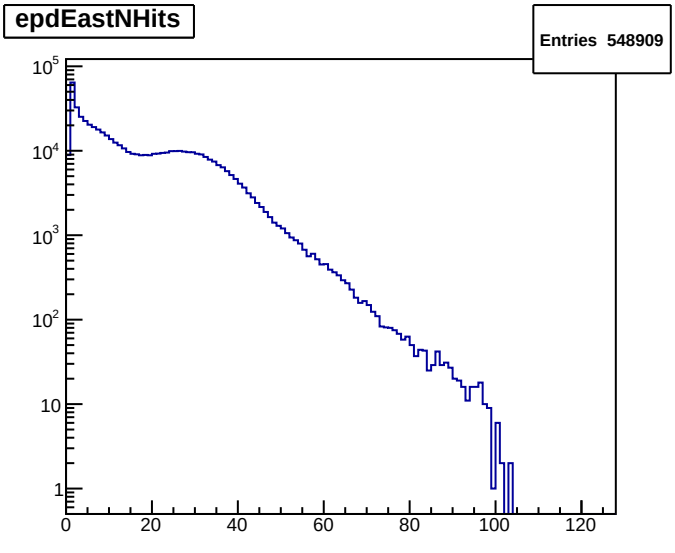
Entries 0
Data
Simu


epdEastNHits
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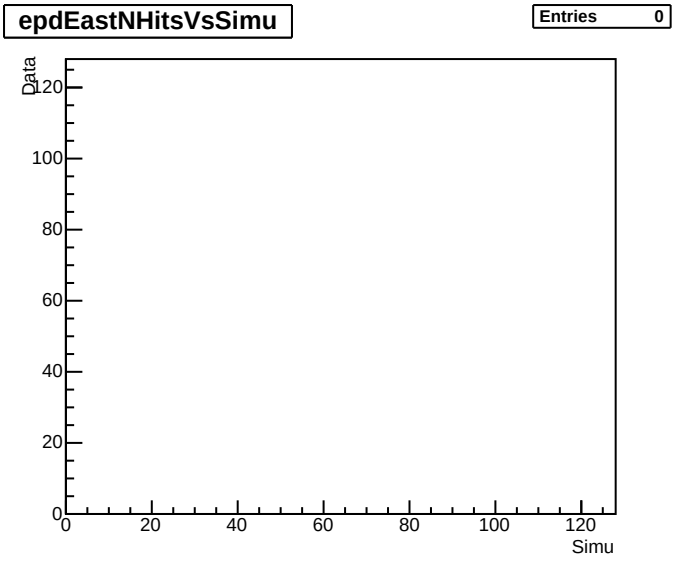
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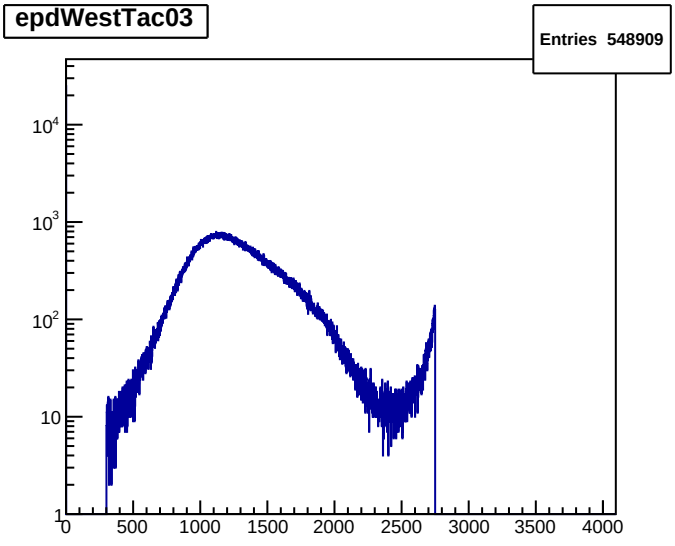
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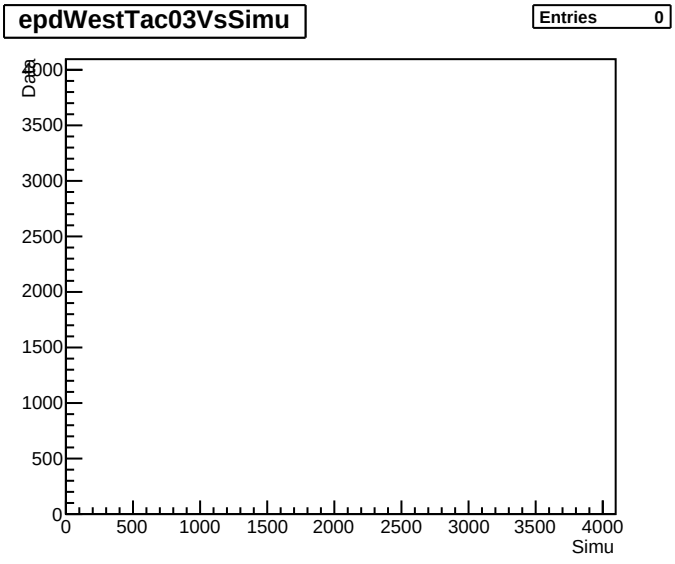
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Entries 0
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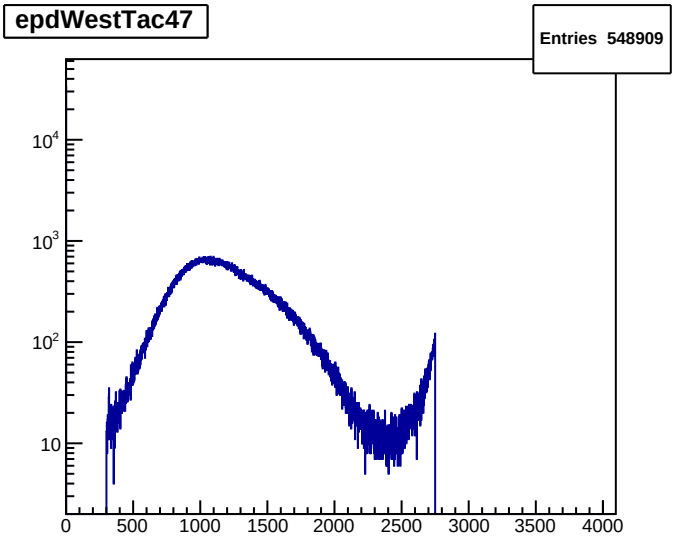
Simu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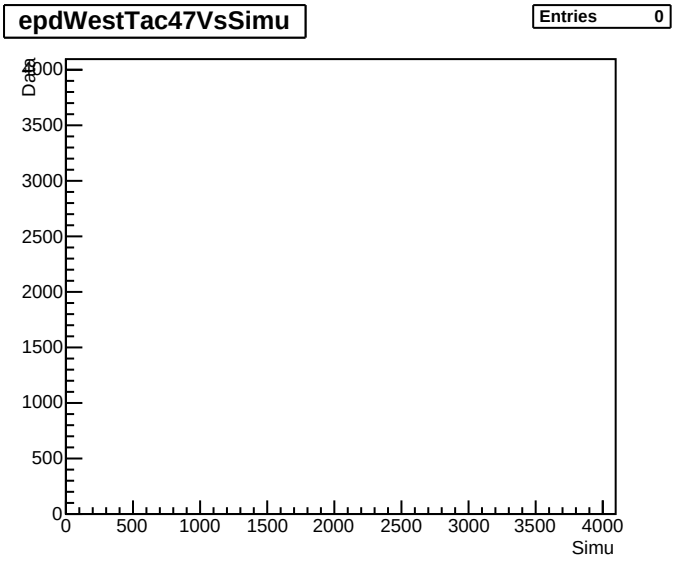
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Entries 0
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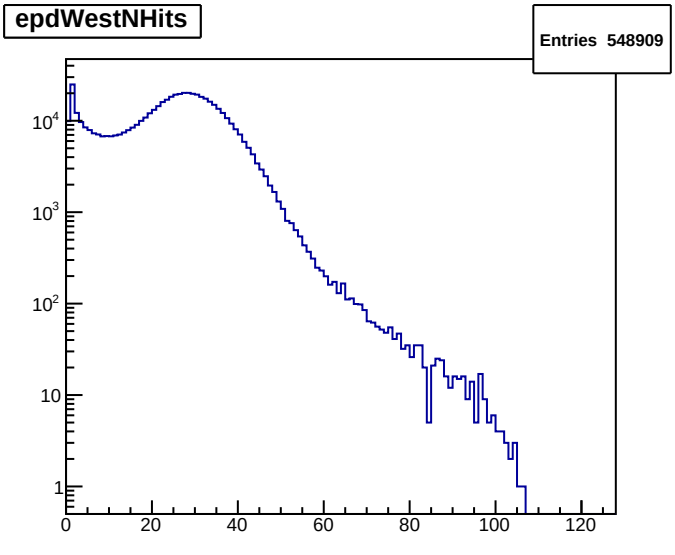
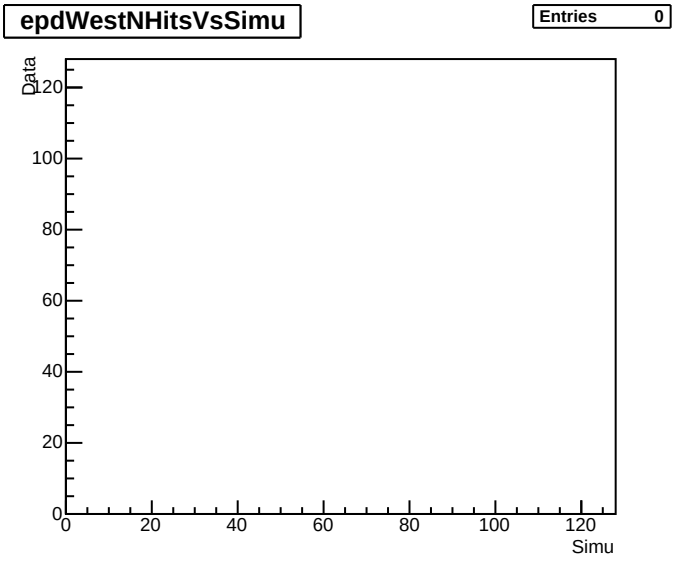
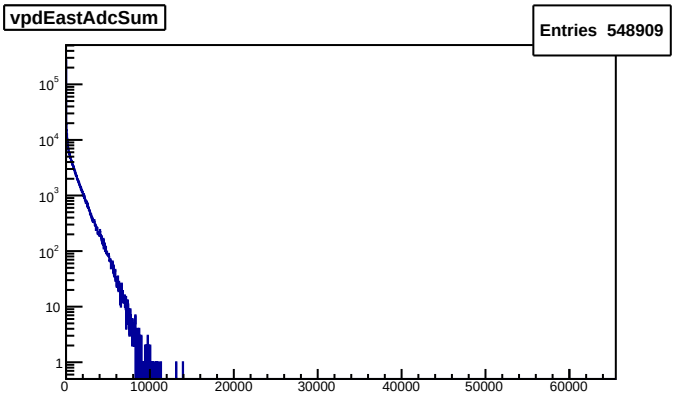
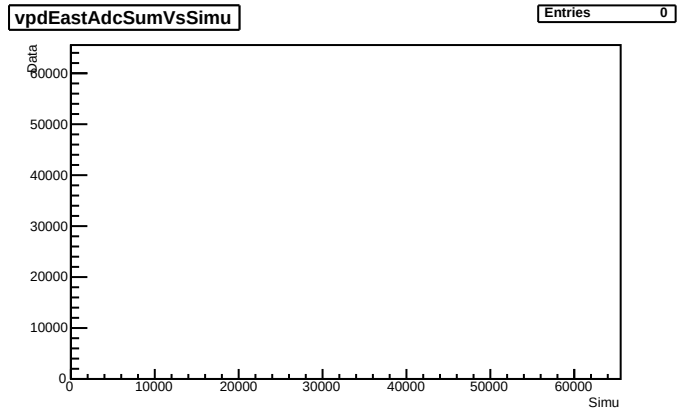
Simu


epdWestNHits
Entries 548909


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 548909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Data
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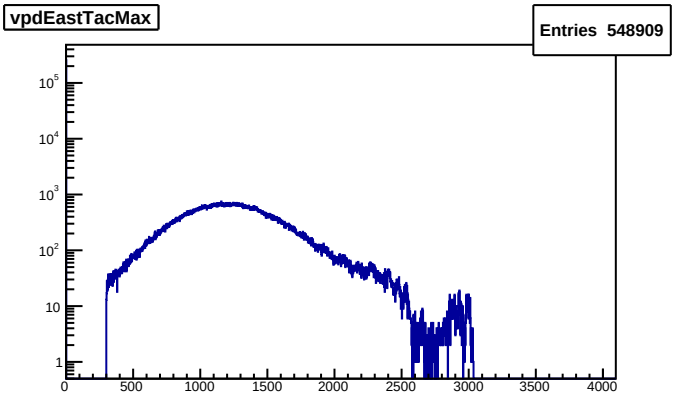
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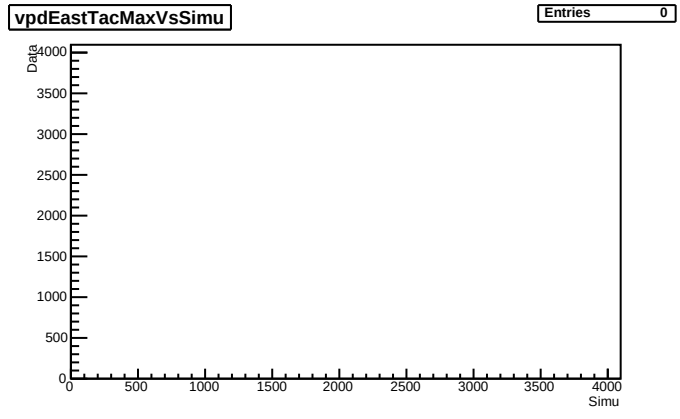
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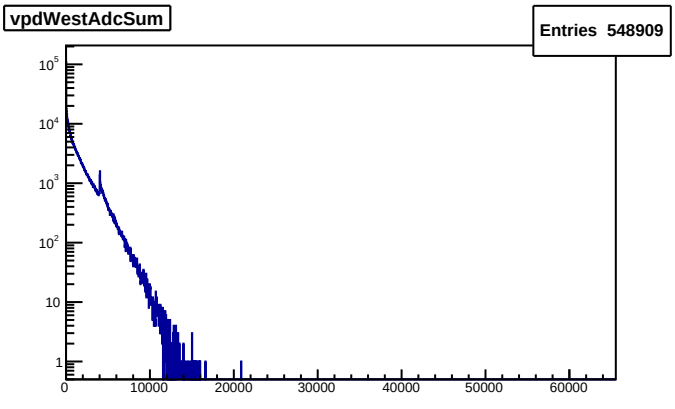
Entries 0
Data
Simu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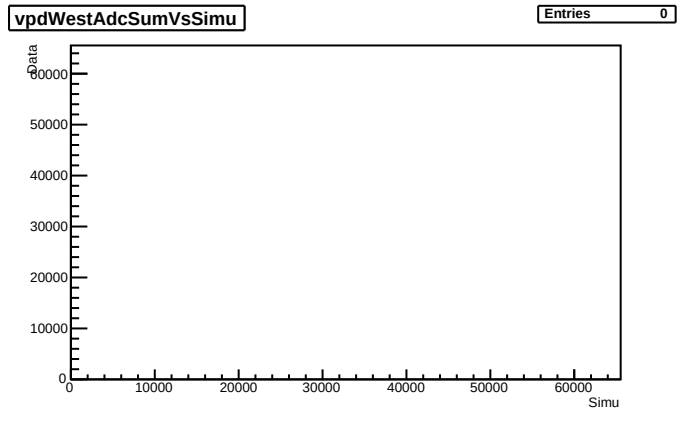
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Entries 0
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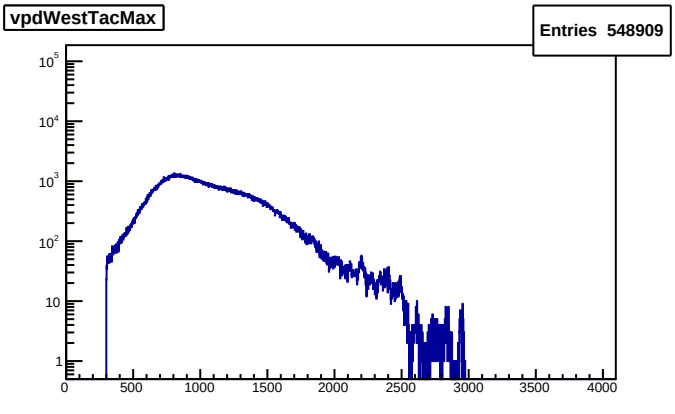
Simu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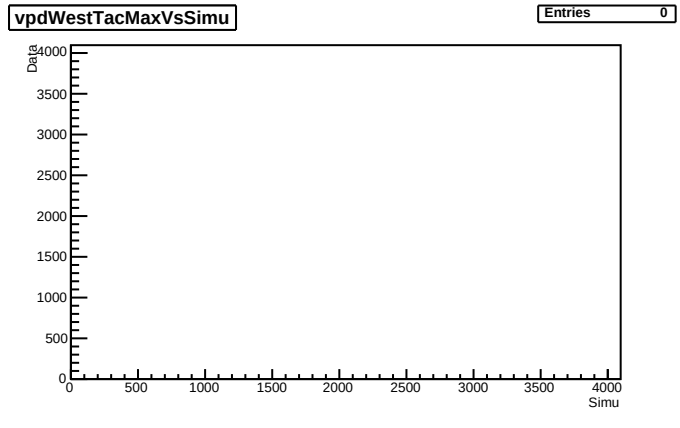
Entries 548909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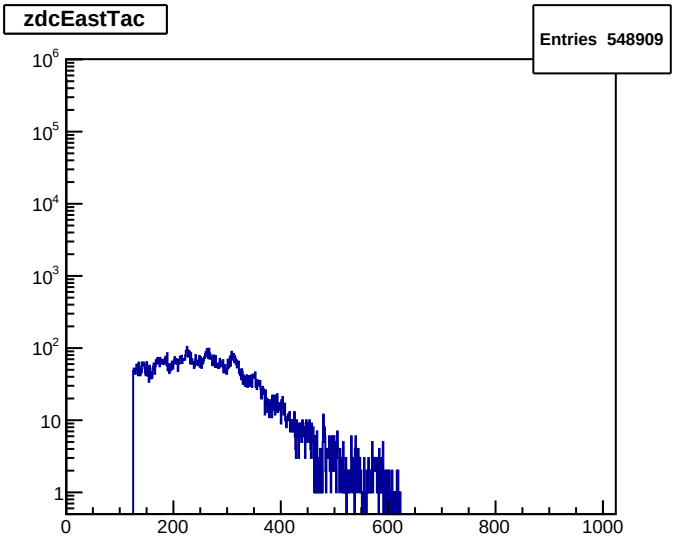
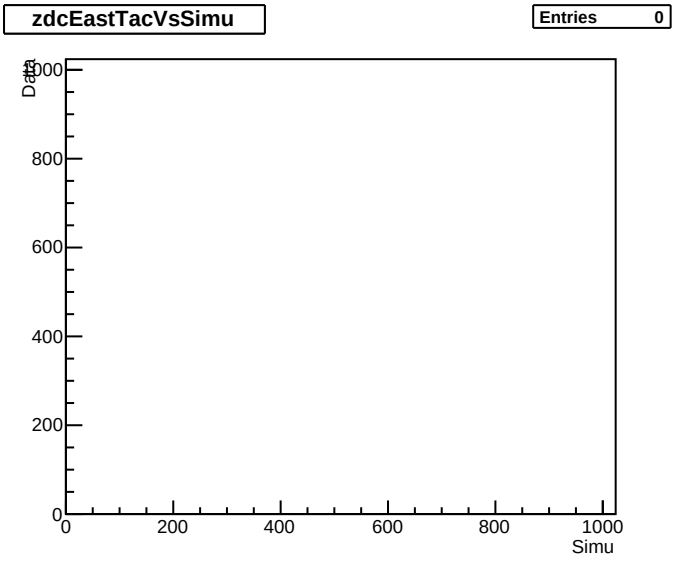
Entries 0
Data
Simu


zdcEastTac
Entries 548909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Entries 0
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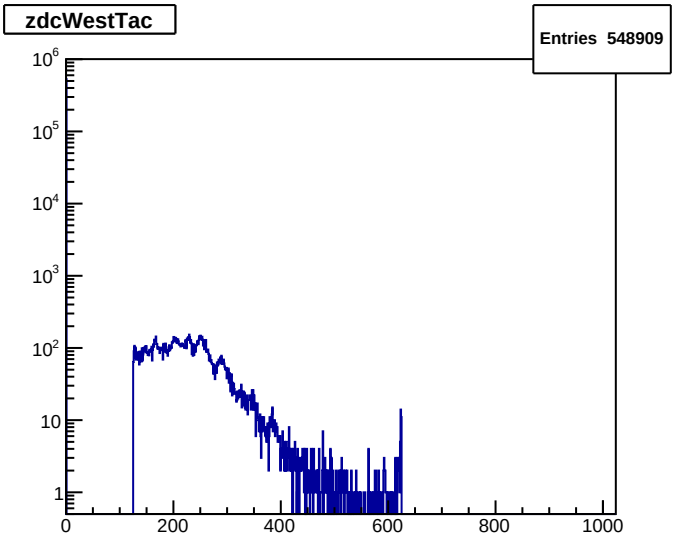
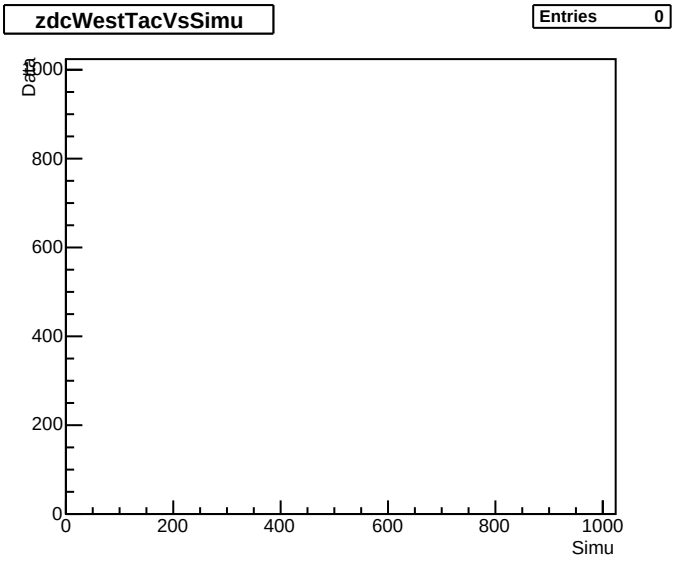
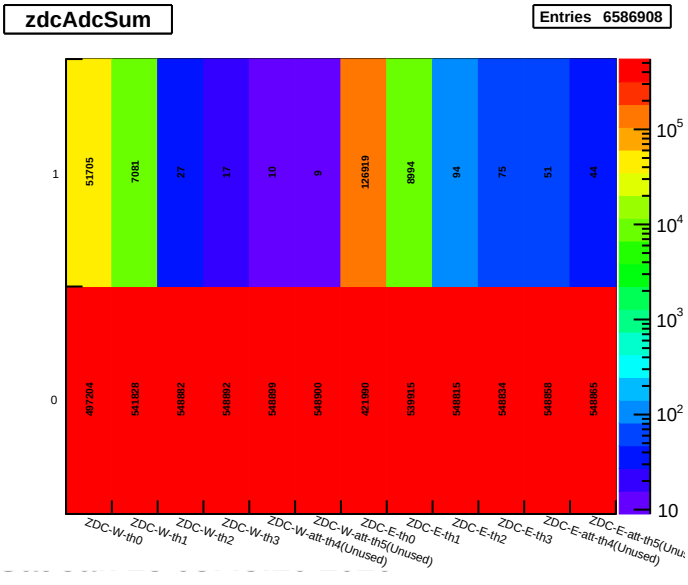

zdcWestTac
Entries 548909


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 6586908
51705
7081
27
17
10
9
126919
8994
94
75
51
44
497204
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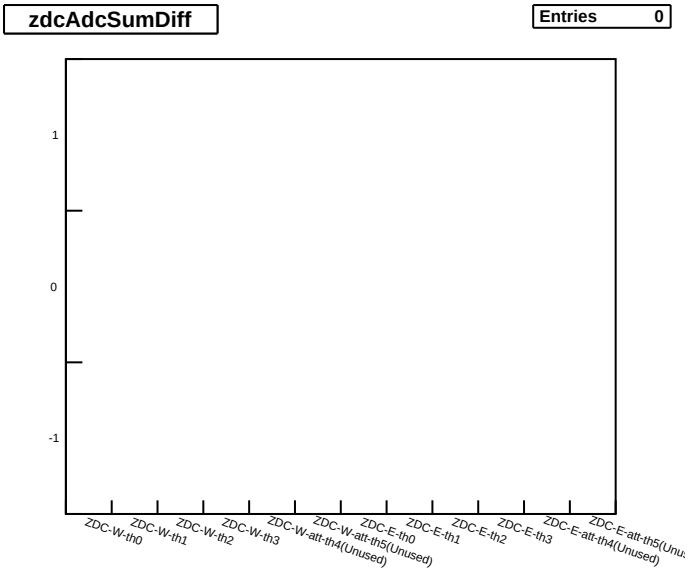
548882
548892
548899
548900
421990
539915
548815
548834
548858
548885
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)


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)
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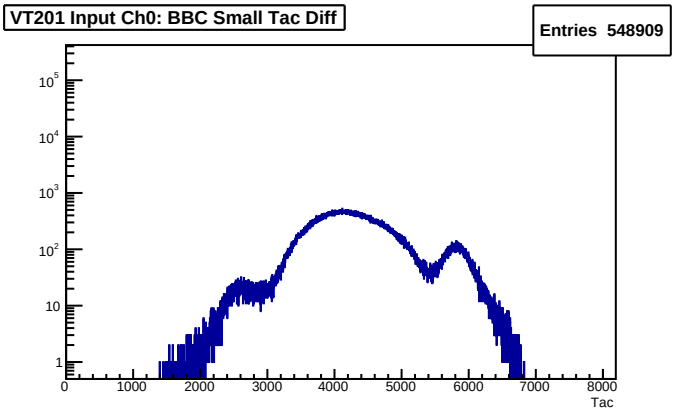
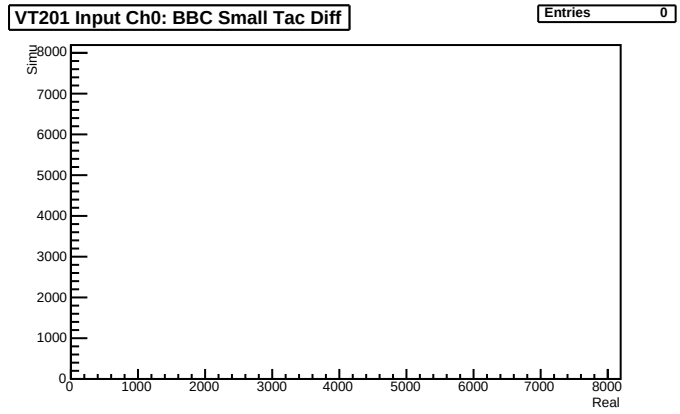
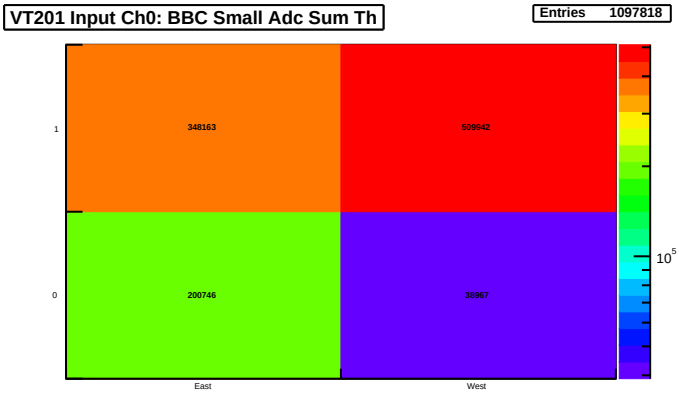
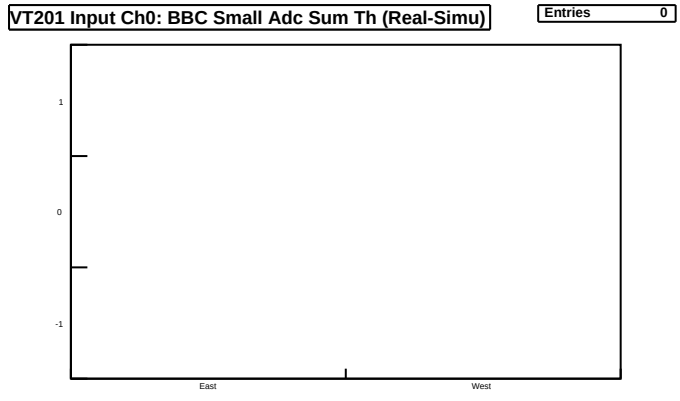
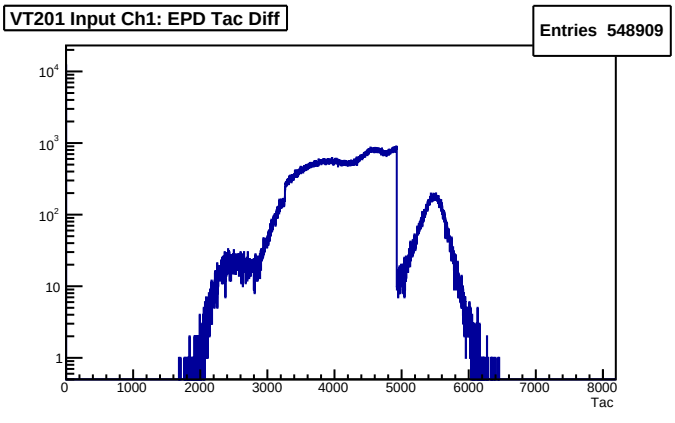
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

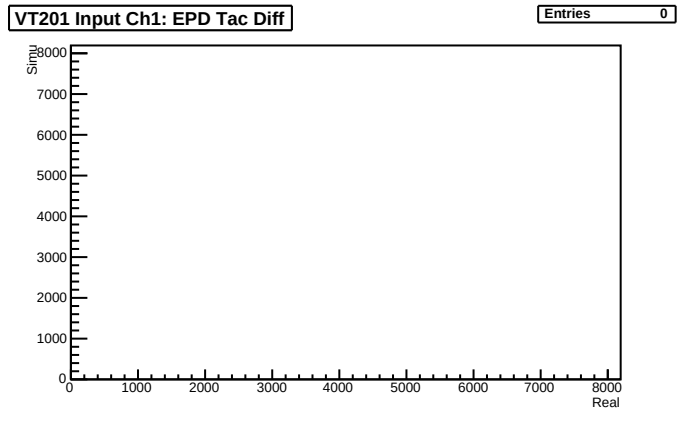

VT201 Input Ch0: BBC Small Tac Diff
Entries 548909
Tac

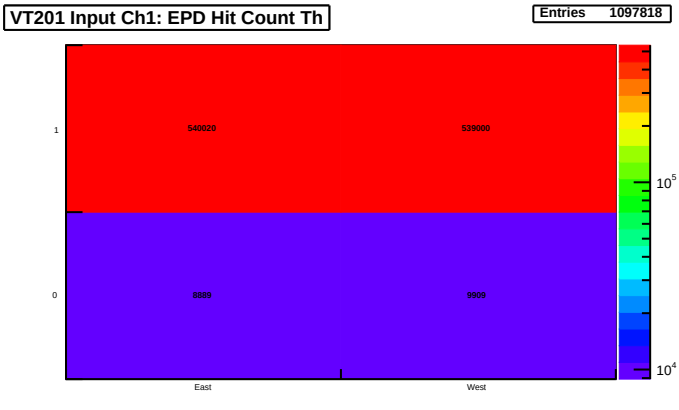

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

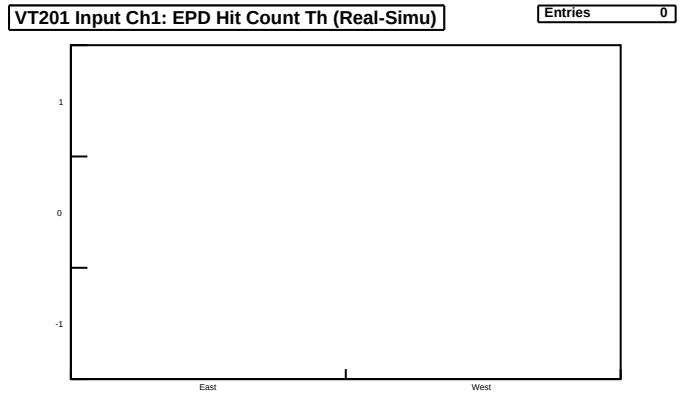

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1097818
348163
509942
200746
38967
East
West

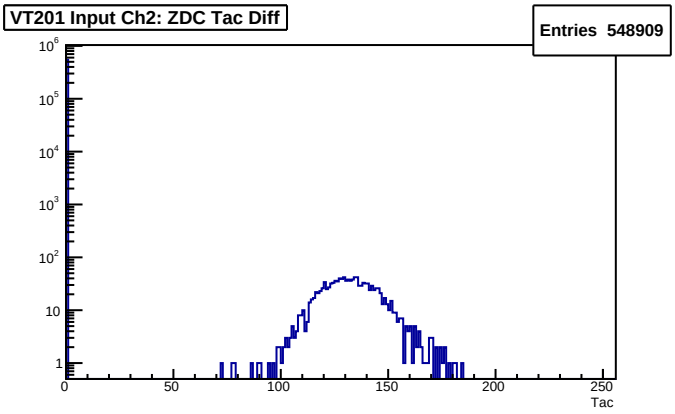

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

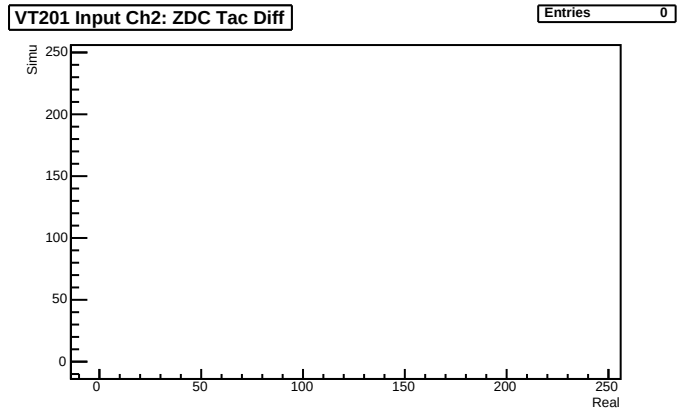

VT201 Input Ch1: EPD Tac Diff
Entries 548909
Tac

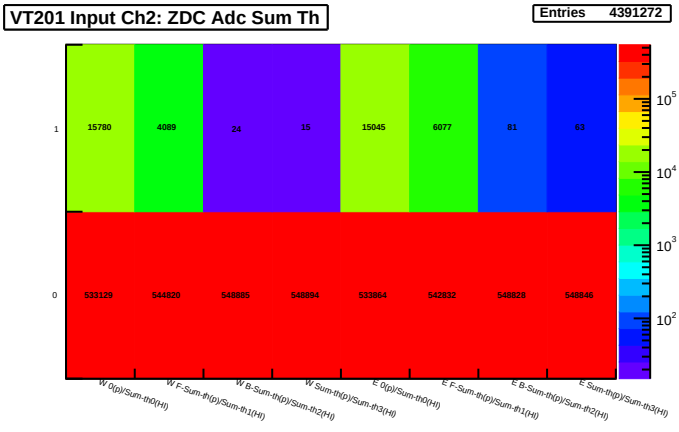

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

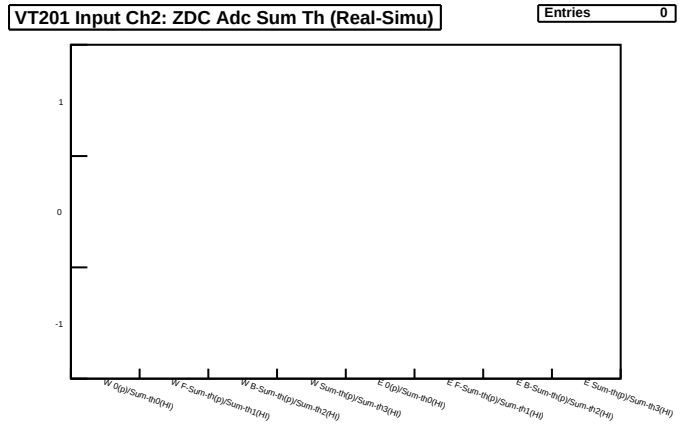

VT201 Input Ch1: EPD Hit Count Th
Entries 1097818
540020
539000
8889
9909
East
West

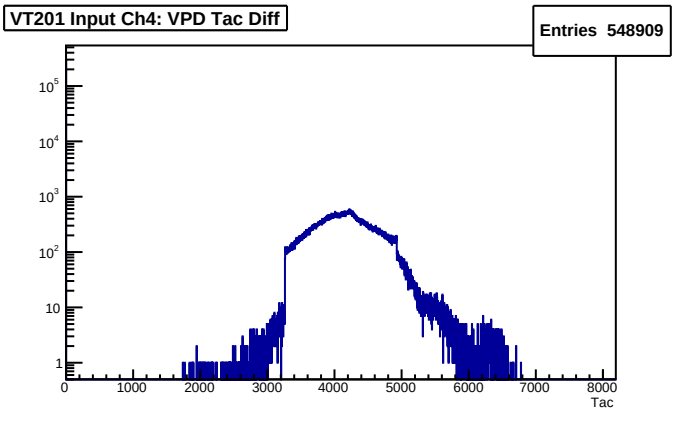

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

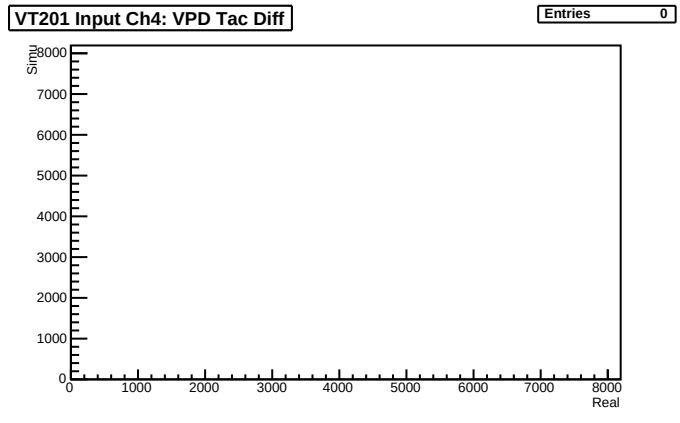

VT201 Input Ch2: ZDC Tac Diff
Entries 548909
Tac

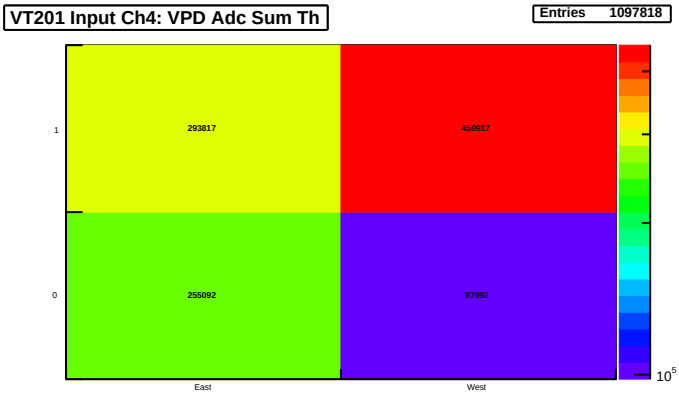

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

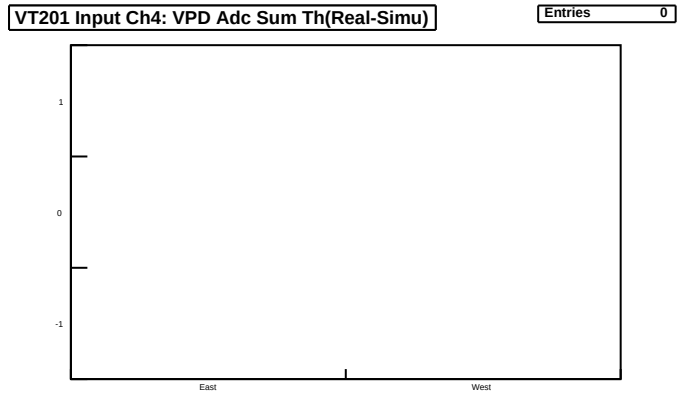

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4391272
15780
4089
24
15
15045
6077
81
63
533129
544820
548885
548894
533864
542832
548828
548846
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

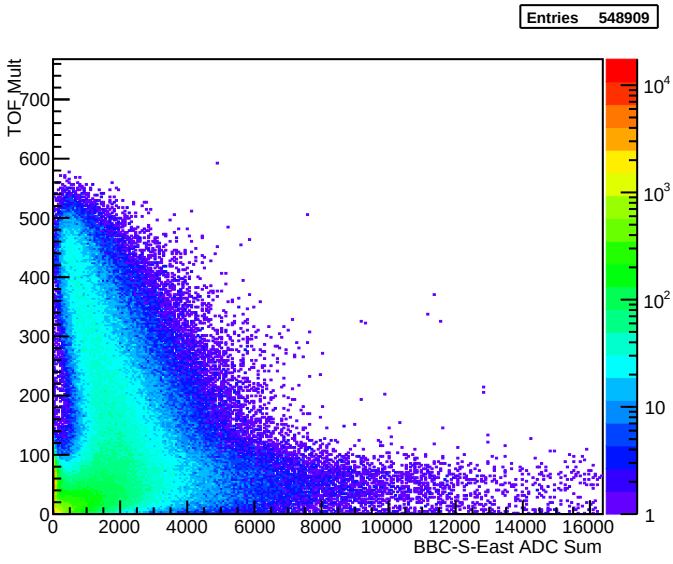

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

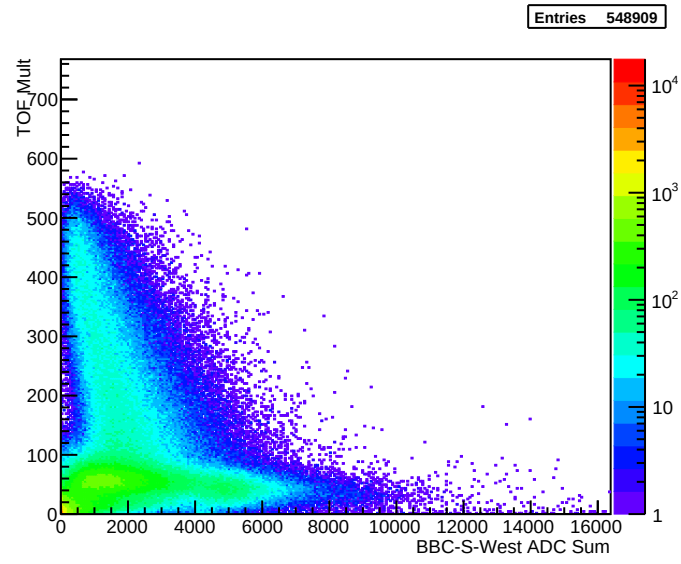

VT201 Input Ch4: VPD Tac Diff
Entries 548909
Tac

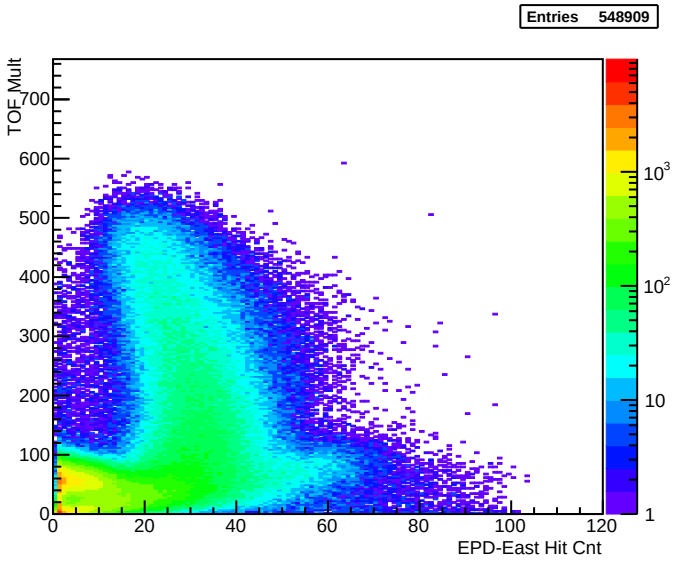

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

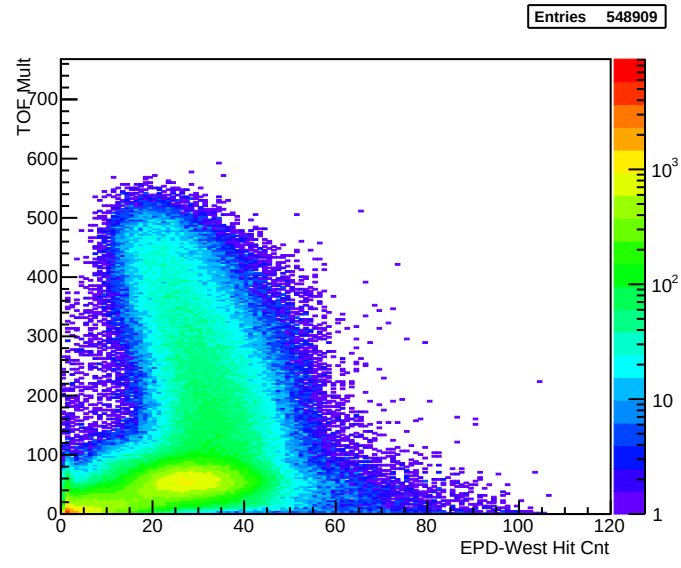

VT201 Input Ch4: VPD Adc Sum Th
Entries 1097818
293817
450917
255092
97992
East
West

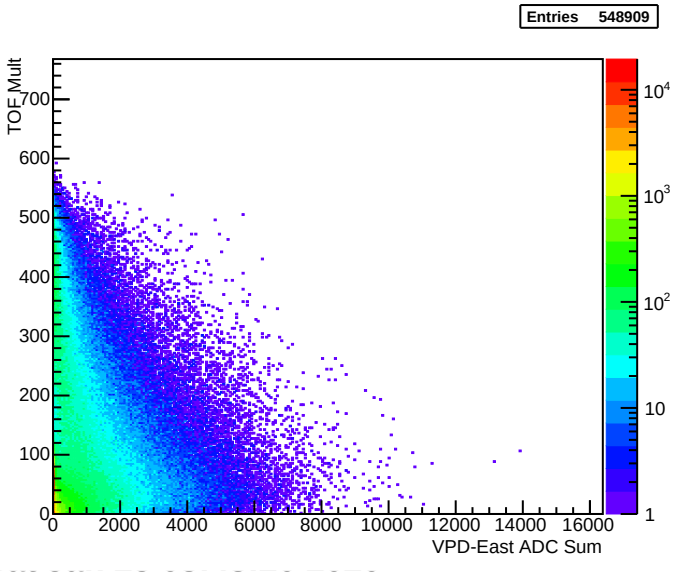

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

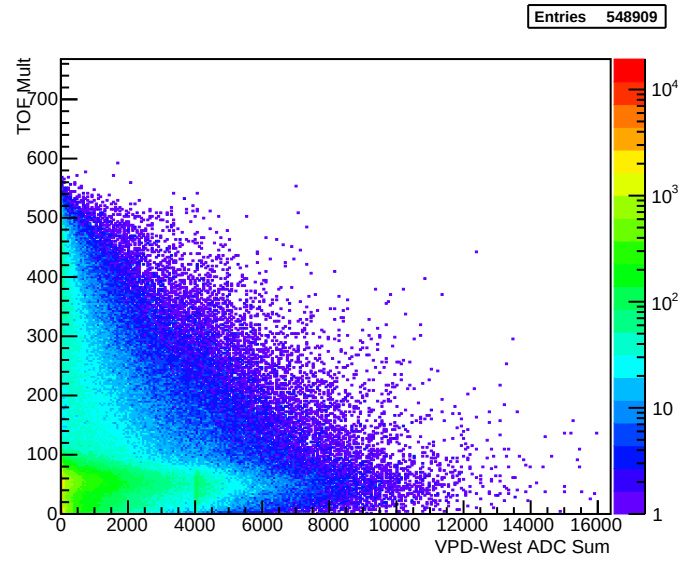

Entries 548909
TOF_Mult
BBC-S-East ADC Sum

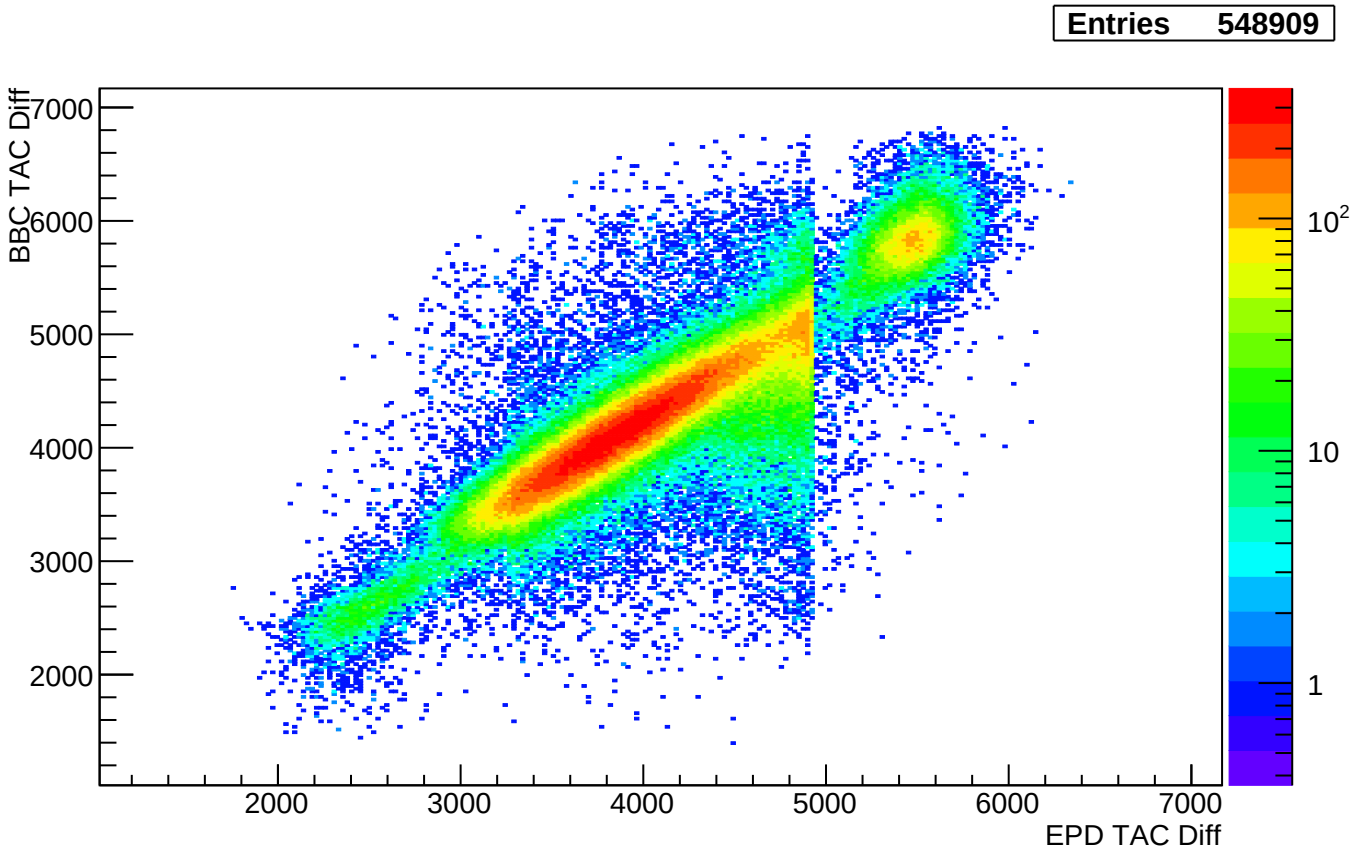

Entries 548909
TOF_Mult
BBC-S-West ADC Sum

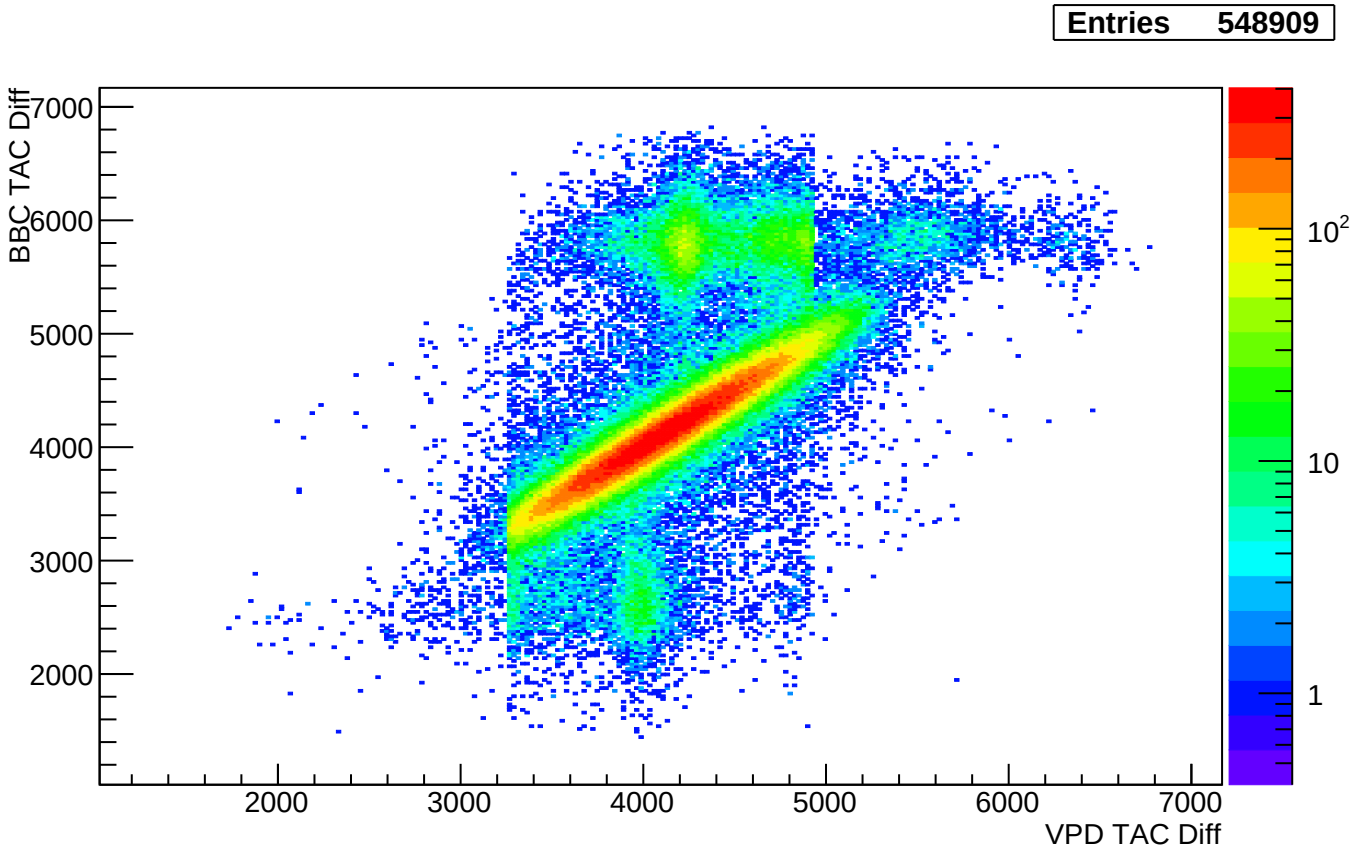

Entries 548909
TOF_Mult
EPD-East Hit Cnt

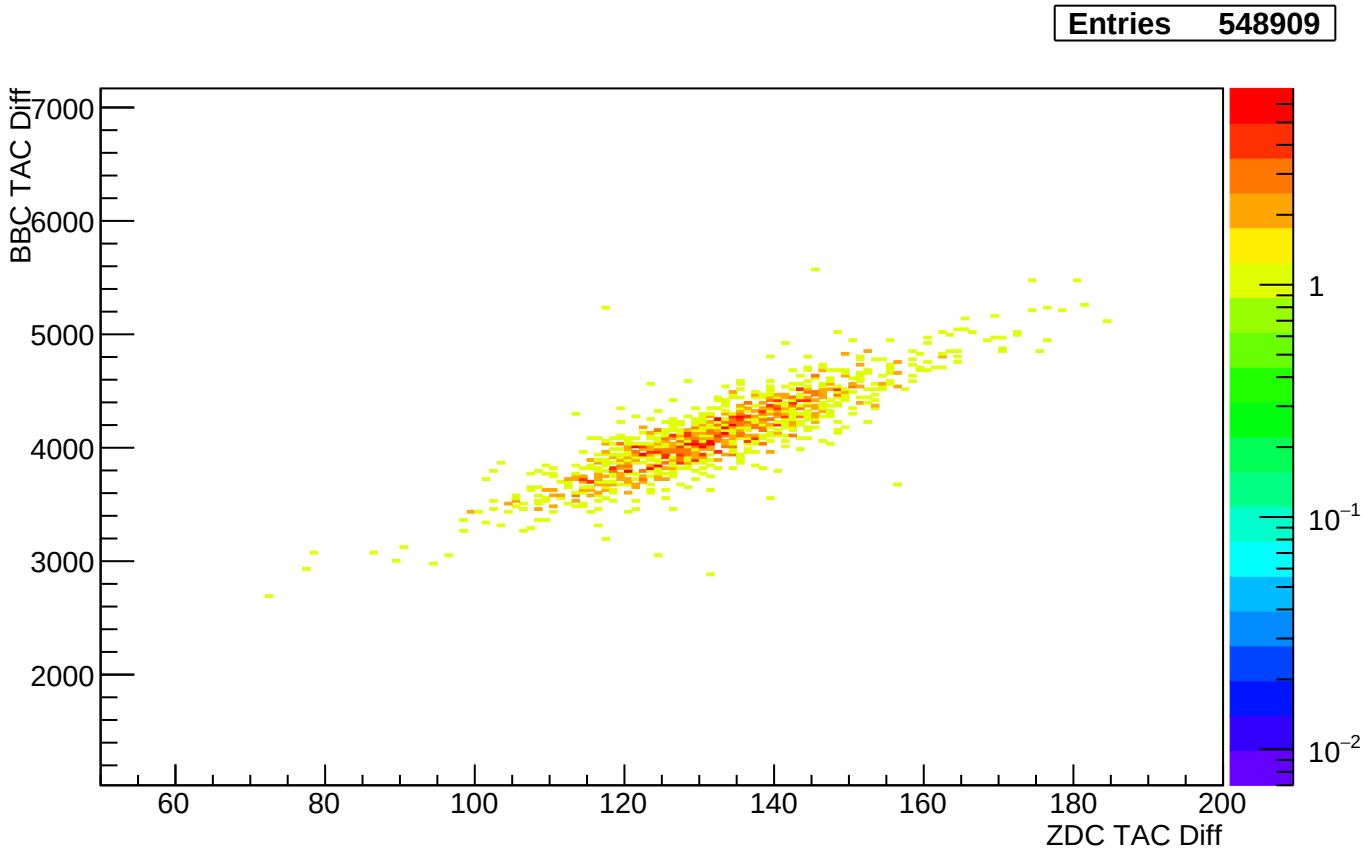

Entries 548909
TOF_Mult
EPD-West Hit Cnt

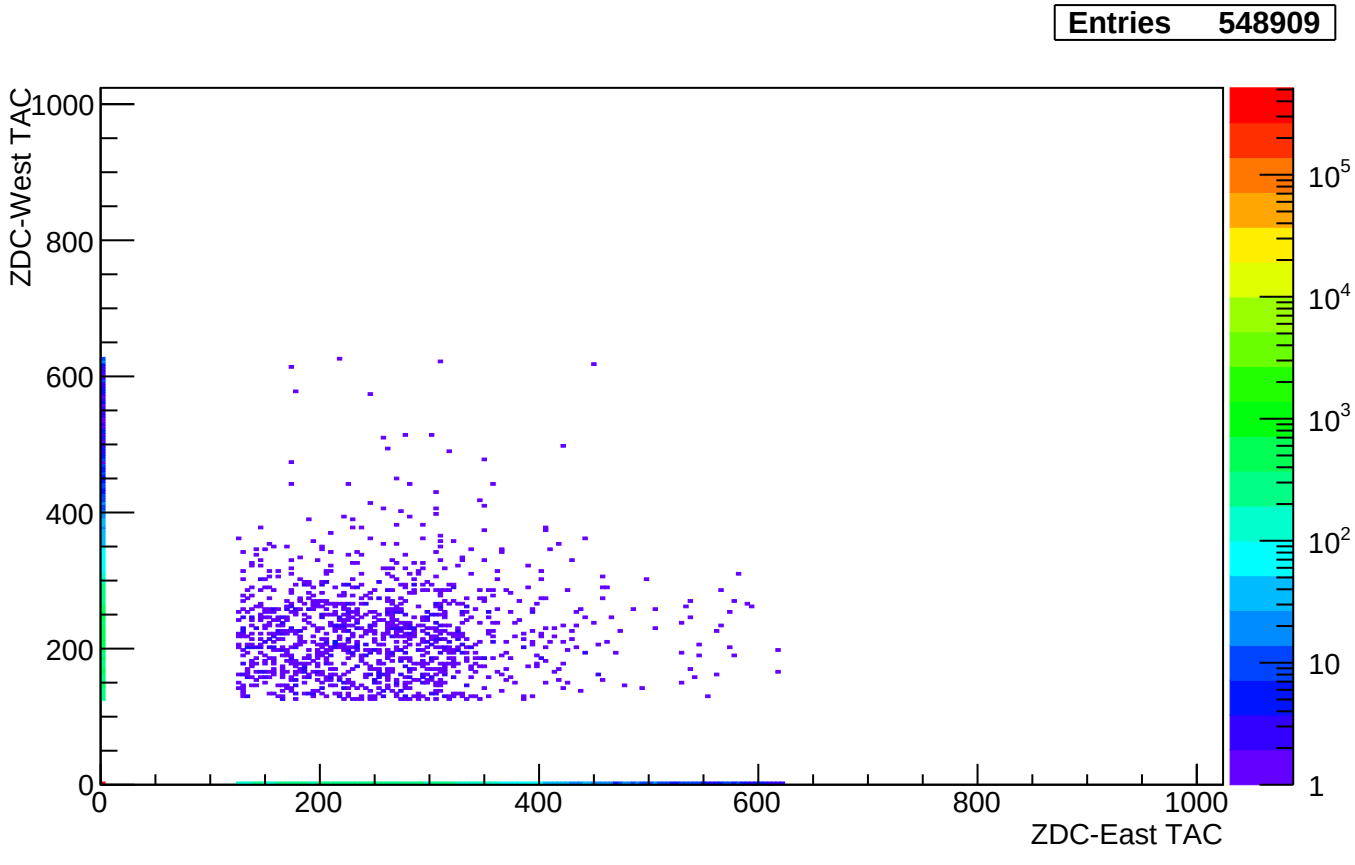

Entries 548909
TOF_Mult
VPD-East ADC Sum

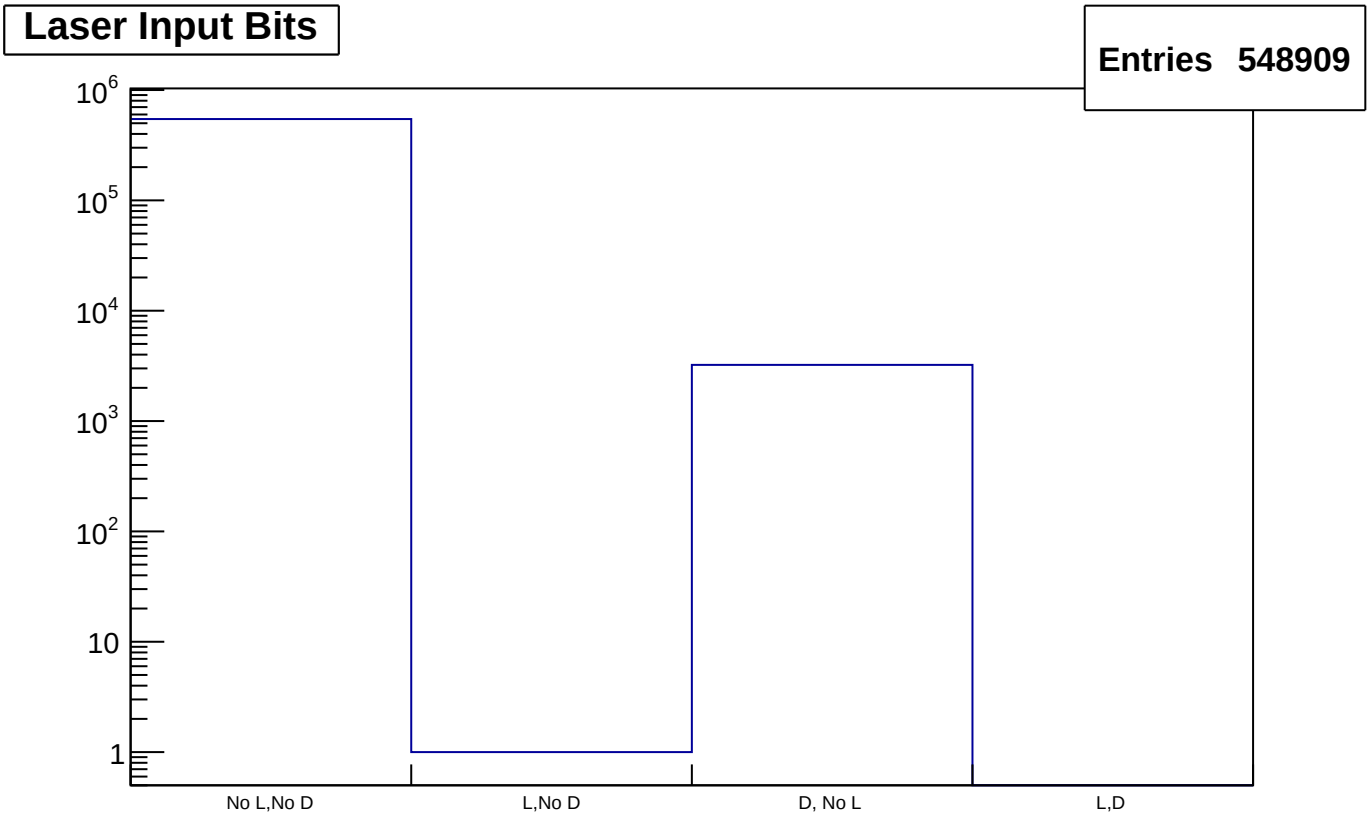

Entries 548909
TOF_Mult
VPD-West ADC Sum

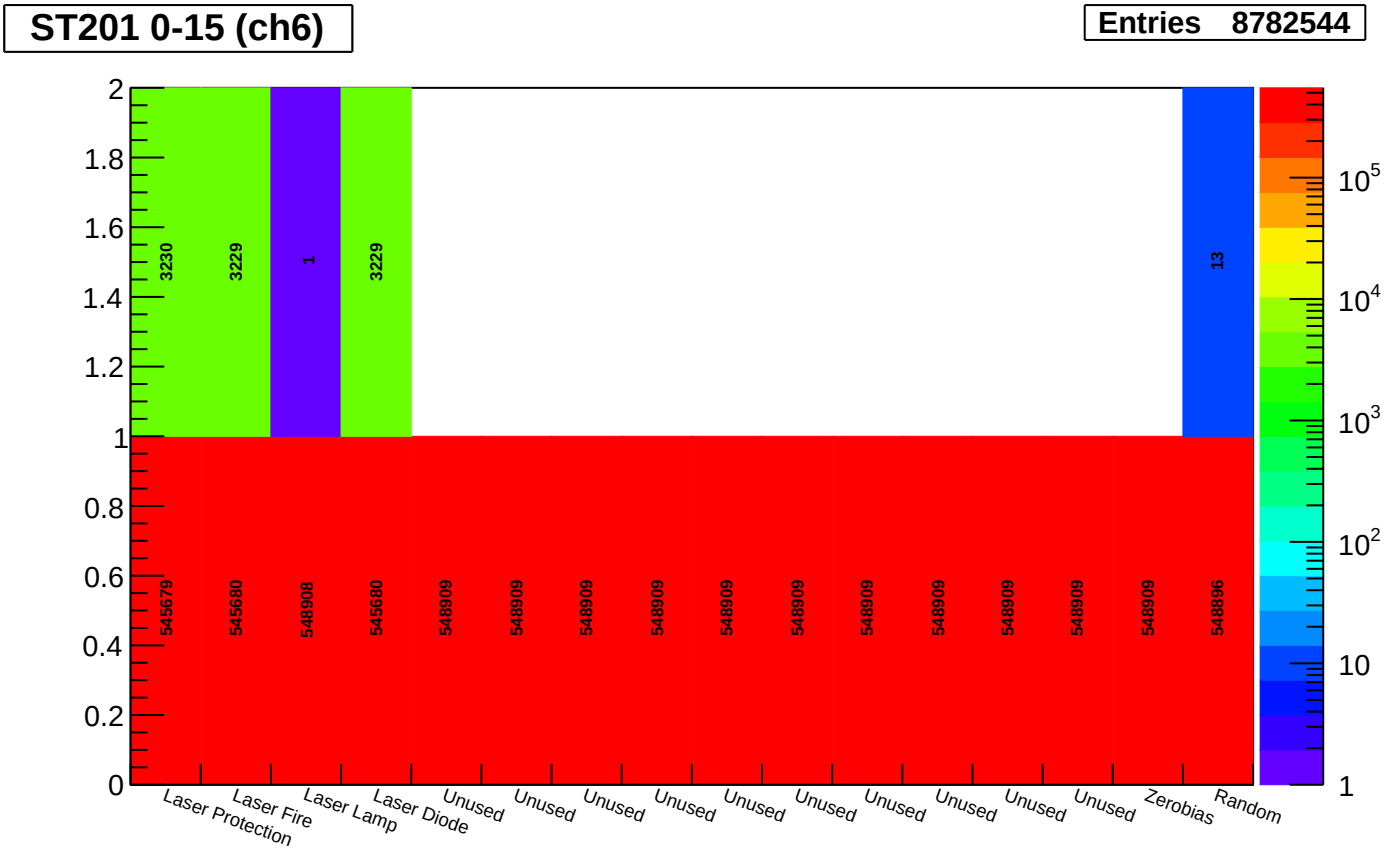

Entries 548909
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

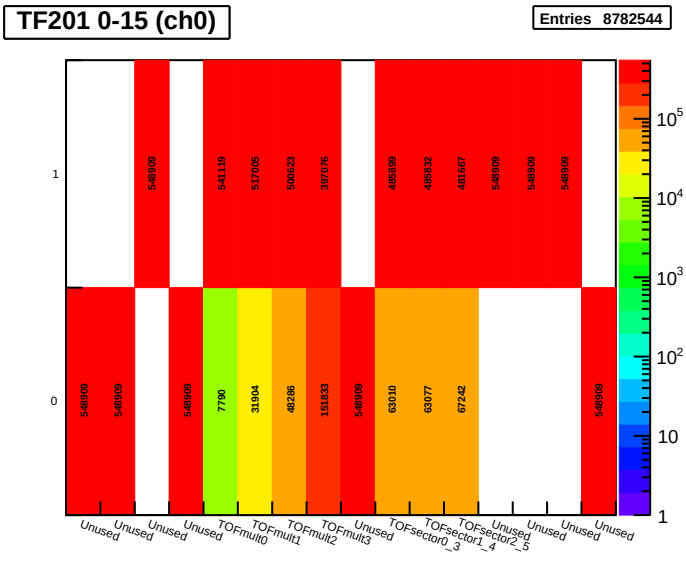

Entries 548909
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

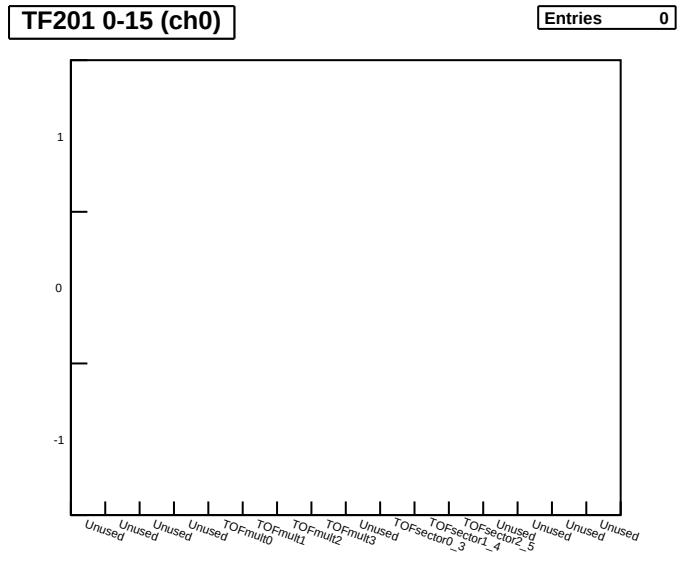

Entries 548909
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

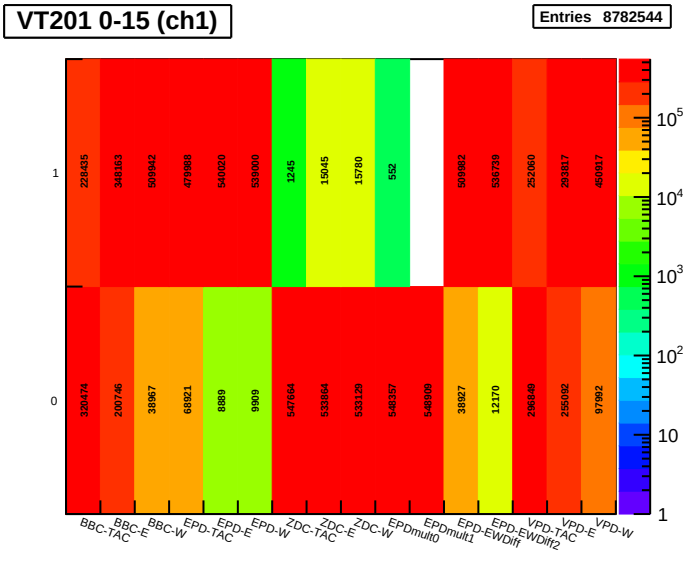

Entries 548909
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

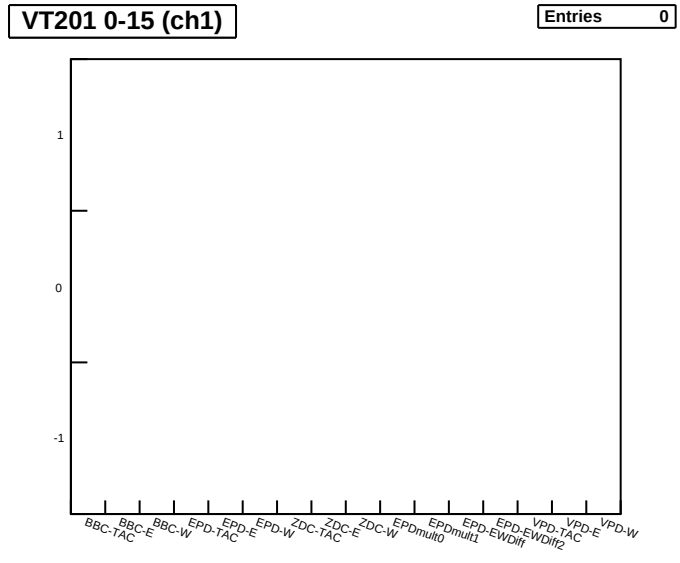

Laser Input Bits
Entries 548909
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

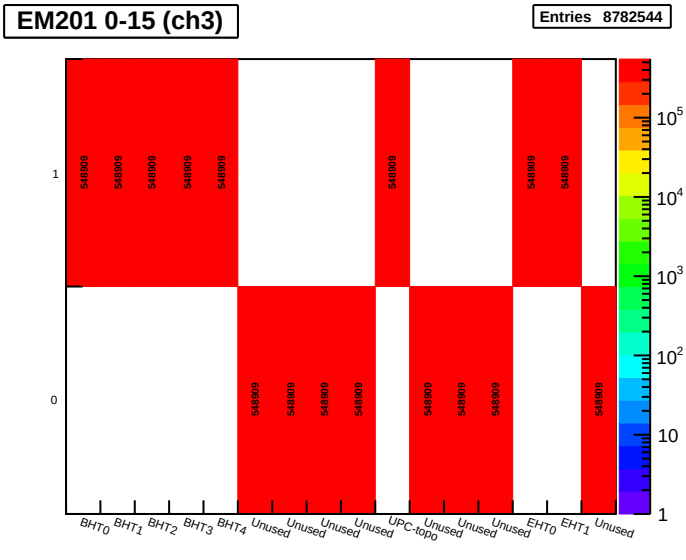

ST201 0-15 (ch6)
Entries 8782544
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3230
3229
1
3229
13
545679
545680
548908
545680
548909
548909
548909
548909
548909
548909
548909
548909
548909
548909
548909
548896
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

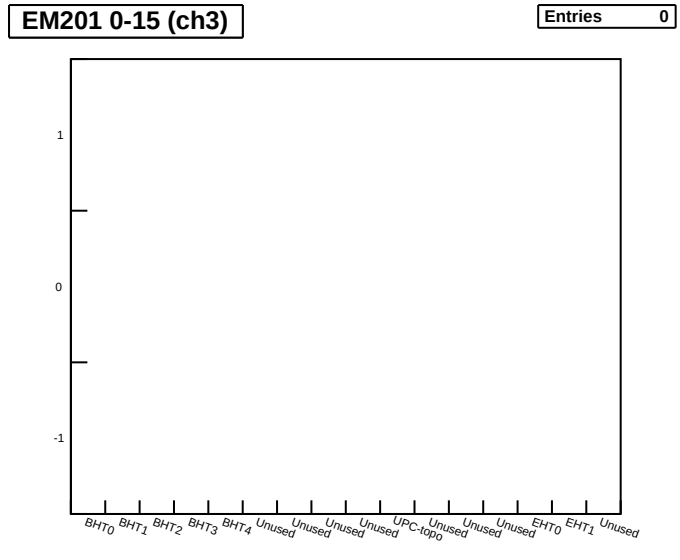

TF201 0-15 (ch0)
Entries 8782544
548909
541119
517005
500623
397076
485899
485832
481667
548909
548909
548909
548909
548909
7790
31904
48286
151833
548909
63010
63077
67242
548909
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5


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


VT201 0-15 (ch1)
Entries 8782544
228435
348163
509942
479988
540020
539000
1245
15045
15780
552
509982
536739
252060
293817
450917
320474
200746
38967
68921
8889
9909
547664
533864
533129
548357
548909
38927
12170
296849
255092
97992
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


VT201 0-15 (ch1)
Entries 0
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 8782544
548909
548909
548909
548909
548909
548909
548909
548909
548909
548909
548909
548909
548909
548909
548909
548909
548909
548909
548909
548909
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1


EM201 0-15 (ch3)
Entries 0
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1