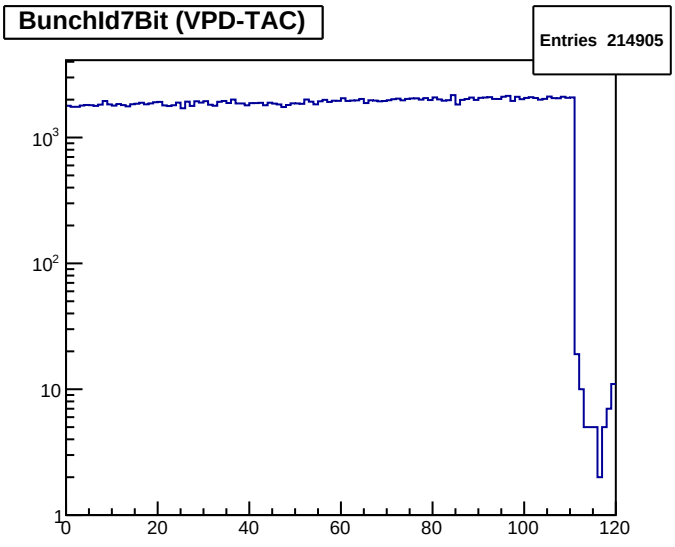
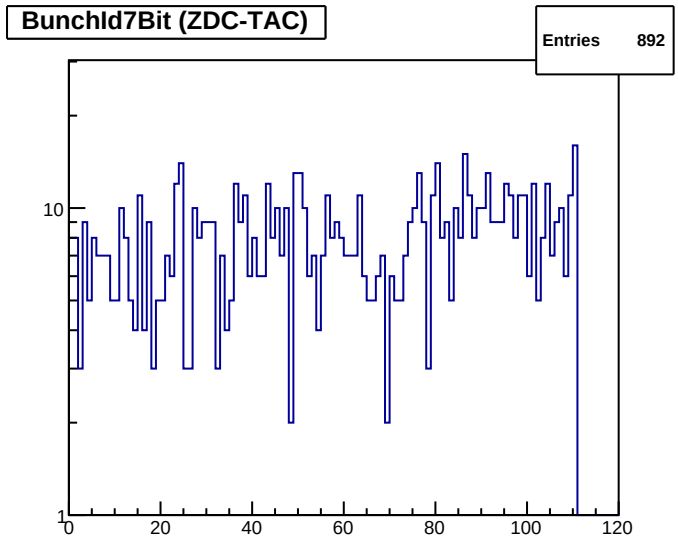
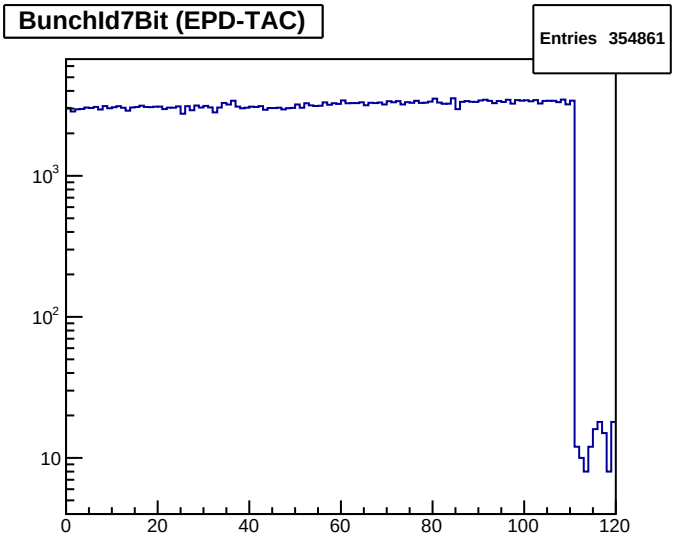
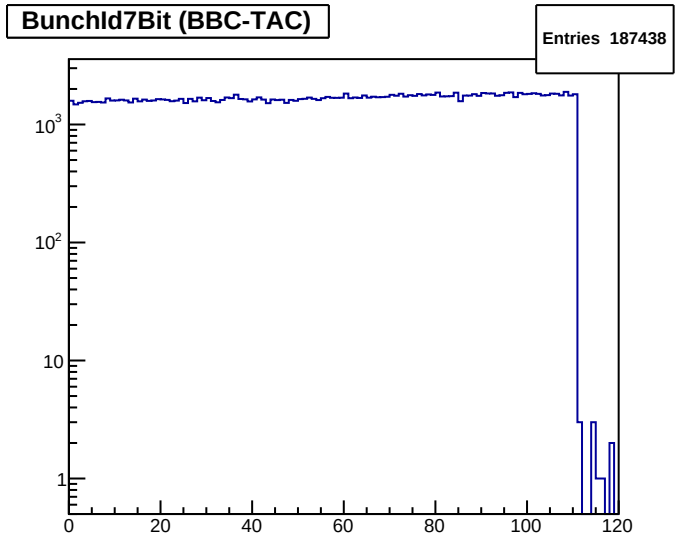
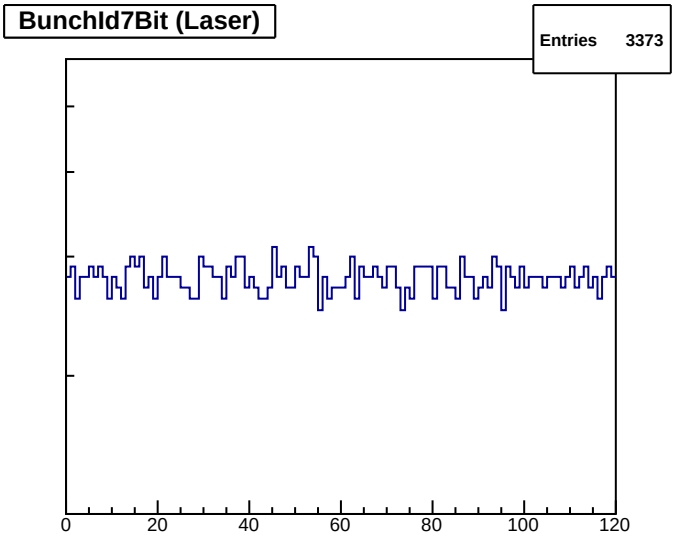
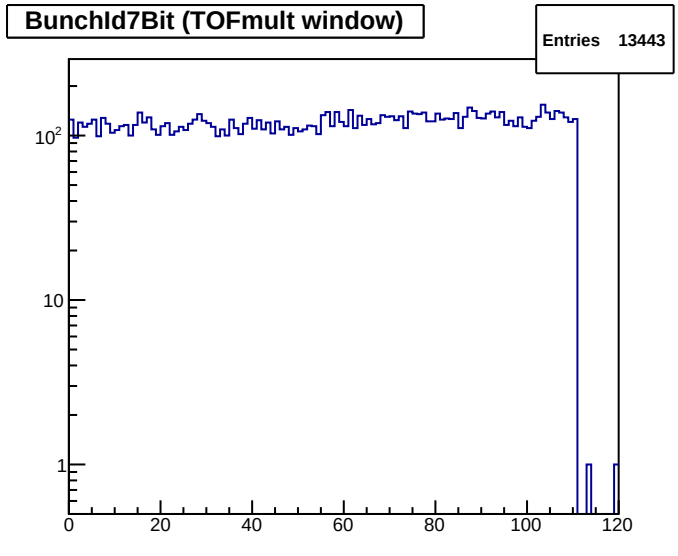

BunchId7Bit (VPD-TAC)
Entries 214905
10^3
10^2
10
1
0
20
40
60
80
100
120

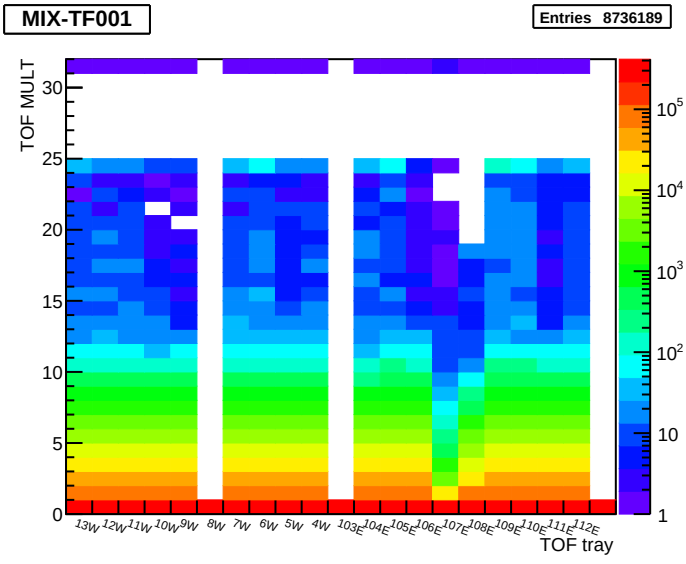

BunchId7Bit (ZDC-TAC)
Entries 892
10
1
0
20
40
60
80
100
120

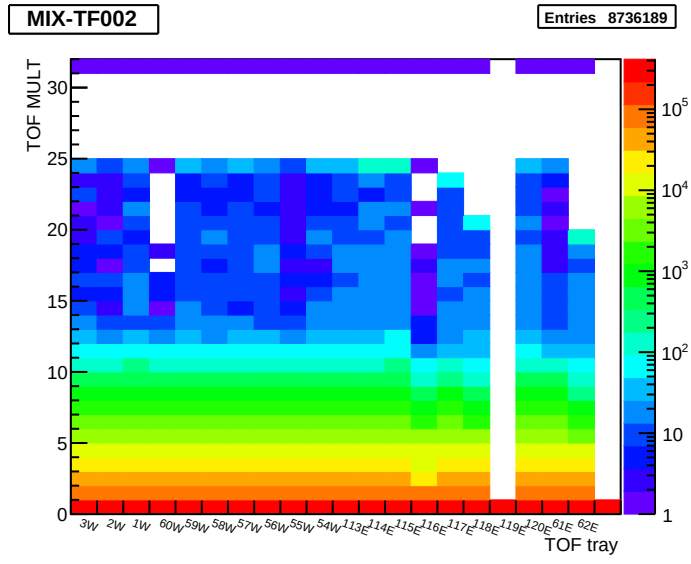

BunchId7Bit (EPD-TAC)
Entries 354861
10^3
10^2
10
0
20
40
60
80
100
120

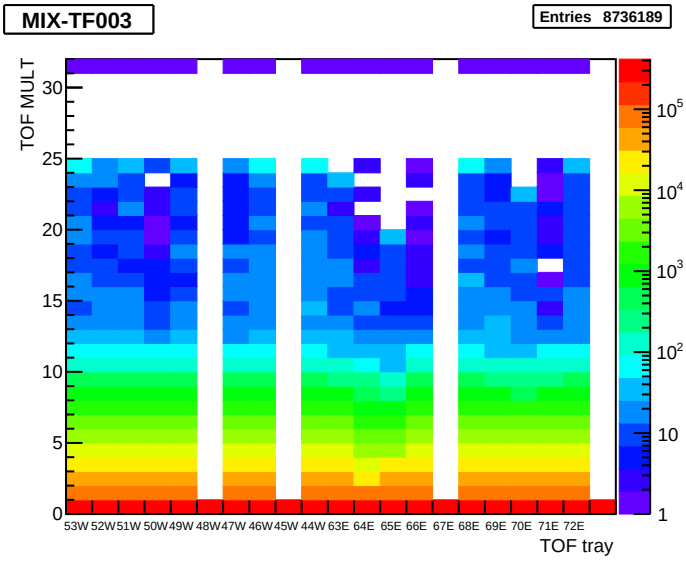

BunchId7Bit (BBC-TAC)
Entries 187438
10^3
10^2
10
1
0
20
40
60
80
100
120

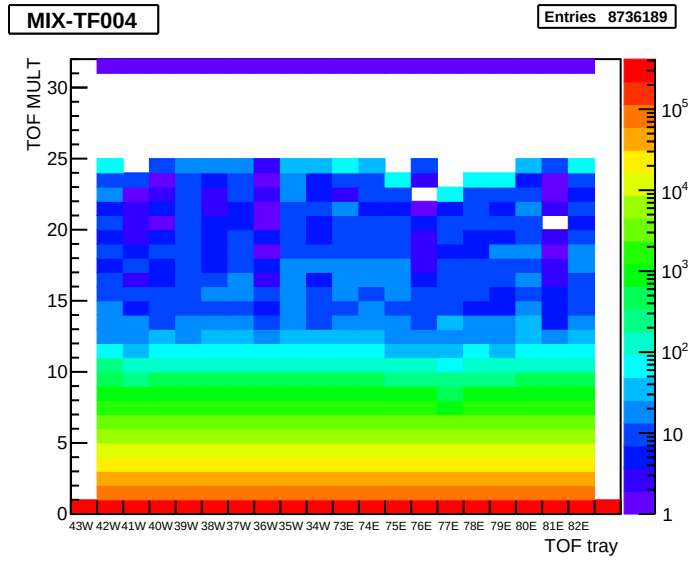

BunchId7Bit (Laser)
Entries 3373
0
20
40
60
80
100
120

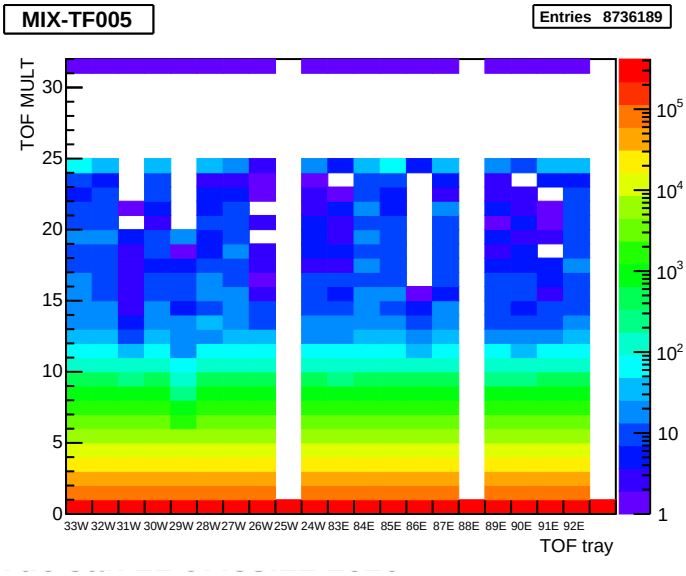

BunchId7Bit (TOFmult window)
Entries 13443
10^2
10
1
0
20
40
60
80
100
120

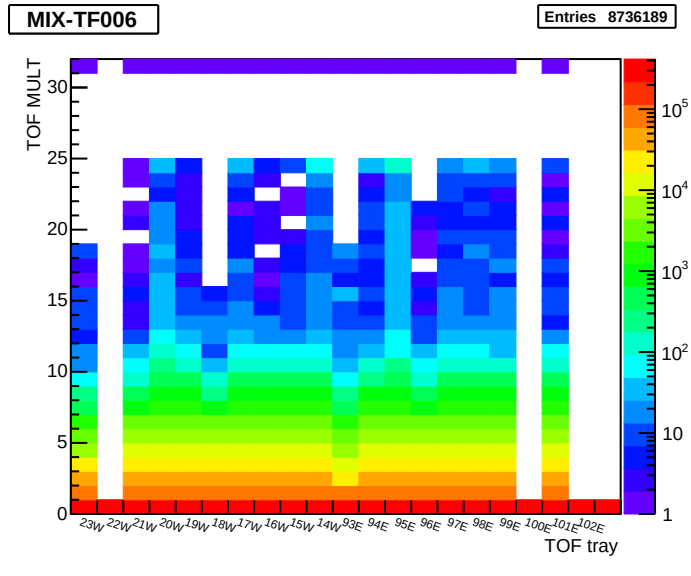

MIX-TF001
Entries 8736189
TOF MULT
TOF tray

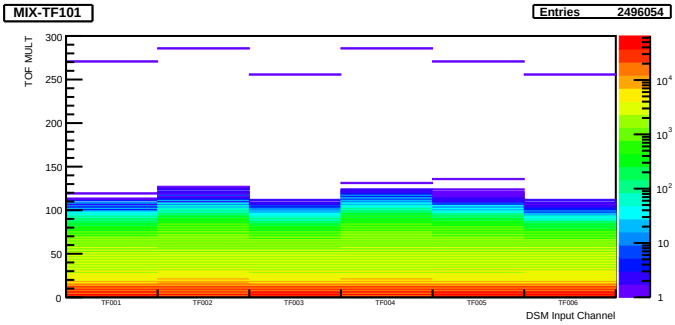

MIX-TF002
Entries 8736189
TOF MULT
TOF tray

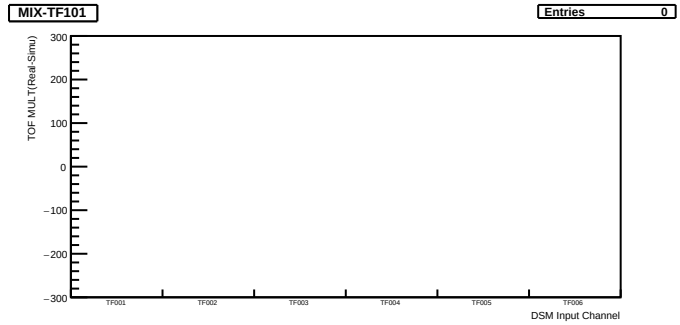

MIX-TF003
Entries 8736189
TOF MULT
TOF tray

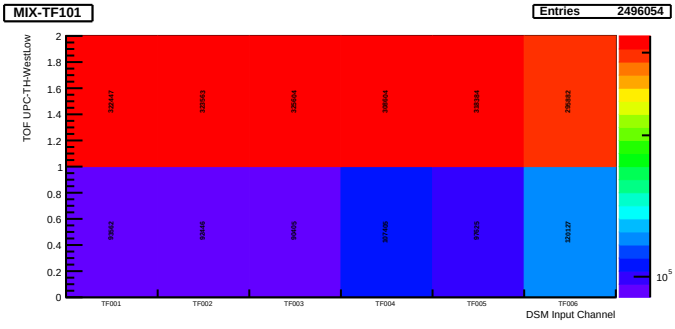

MIX-TF004
Entries 8736189
TOF MULT
TOF tray

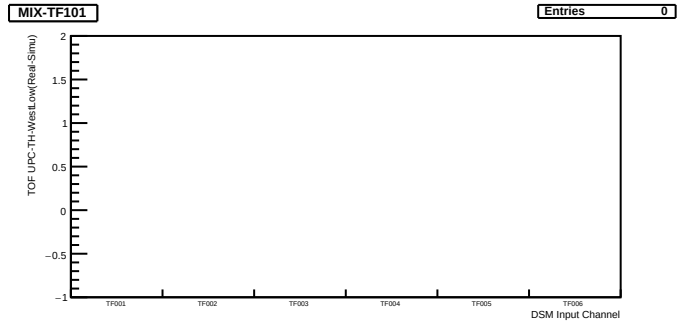

MIX-TF005
Entries 8736189
TOF MULT
TOF tray

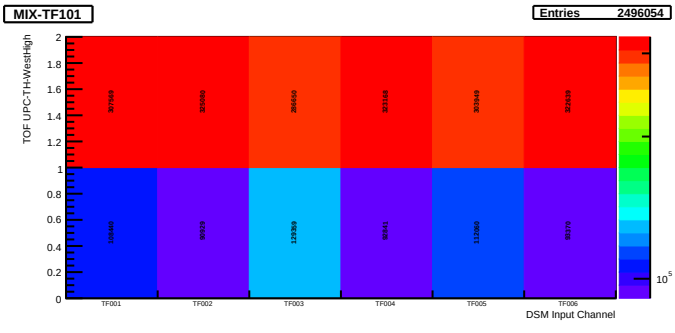

MIX-TF006
Entries 8736189
TOF MULT
TOF tray

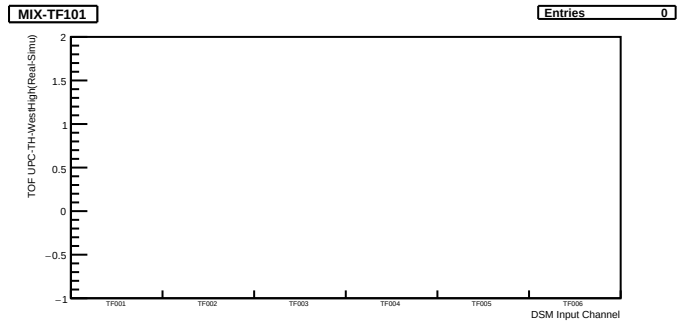

MIX-TF101
Entries 2496054
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

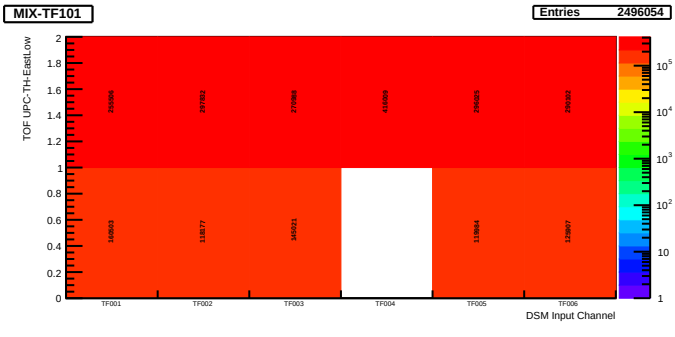

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

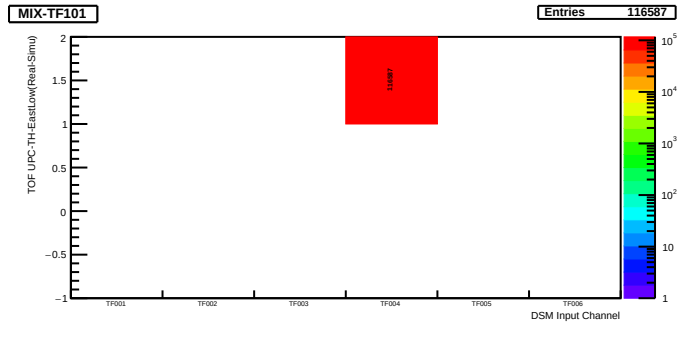

MIX-TF101
Entries 2496054
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

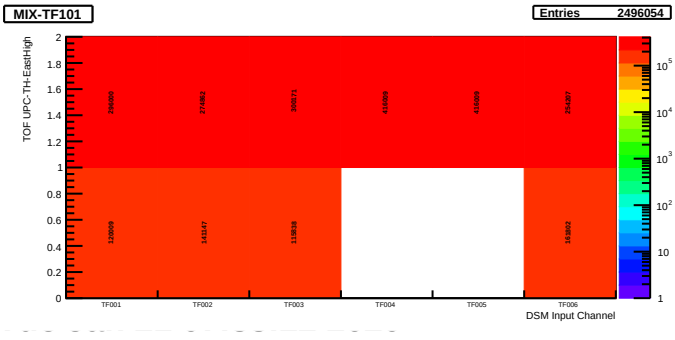

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

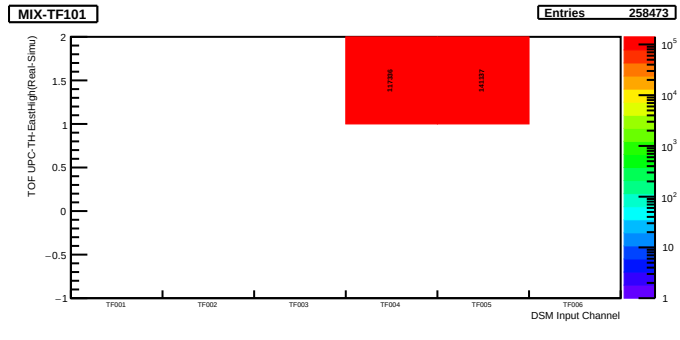

MIX-TF101
Entries 2496054
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

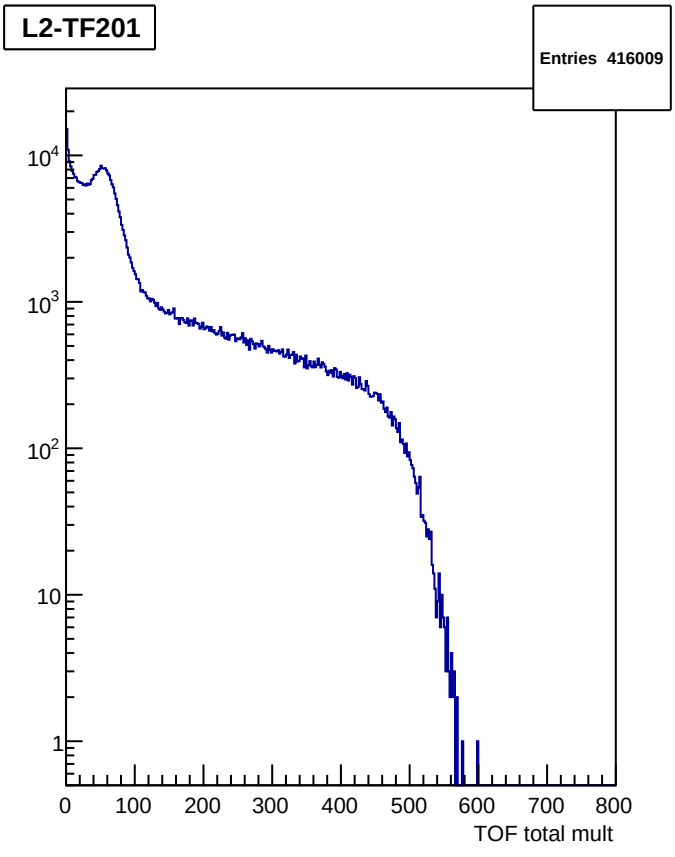

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

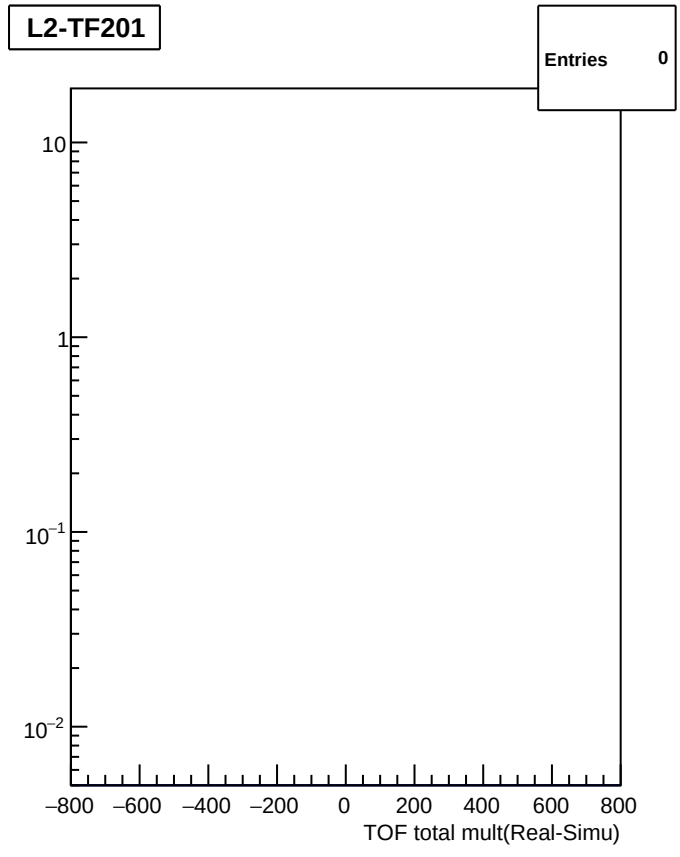

MIX-TF101
Entries 2496054
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

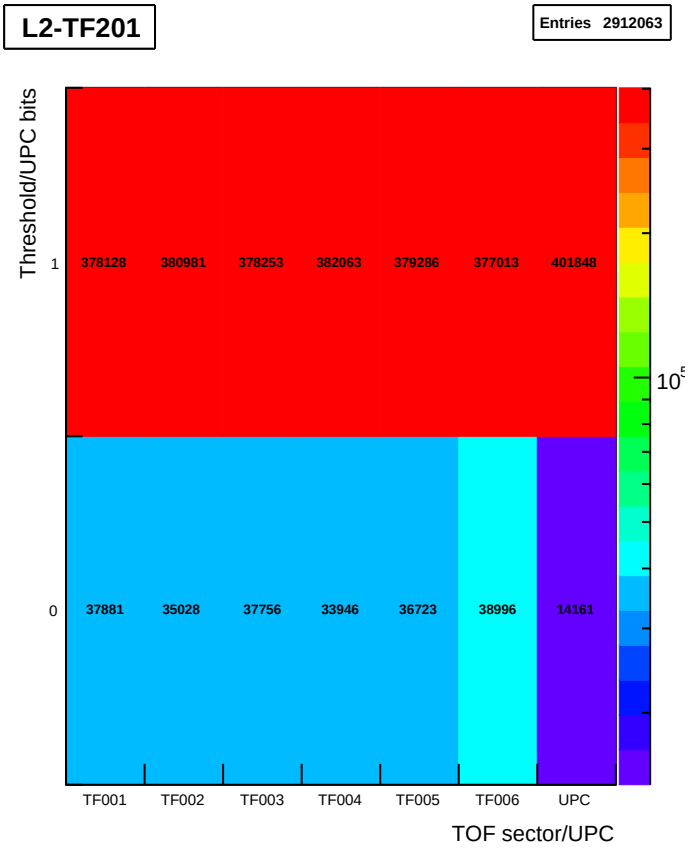

MIX-TF101
Entries 116587
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

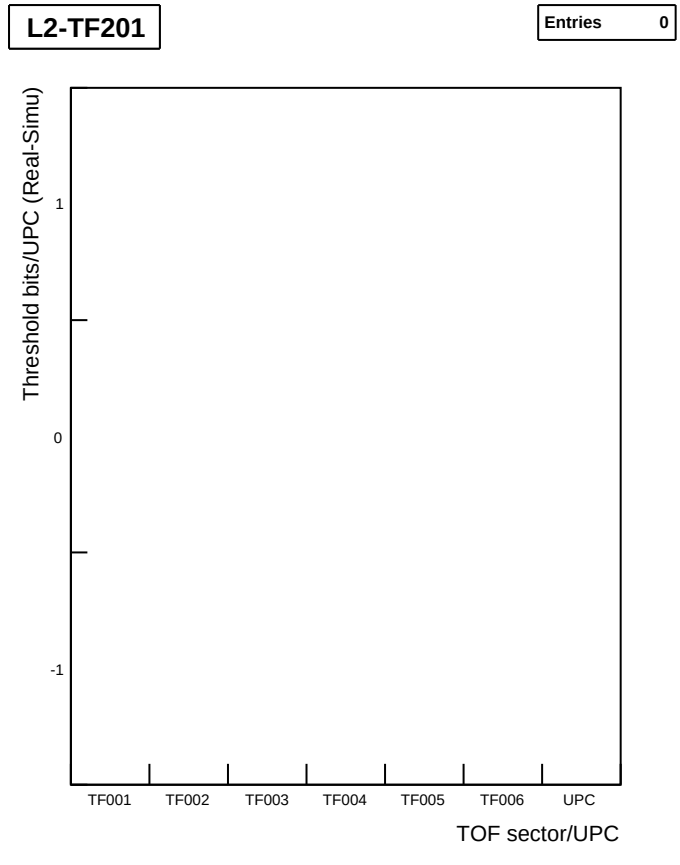

MIX-TF101
Entries 2496054
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

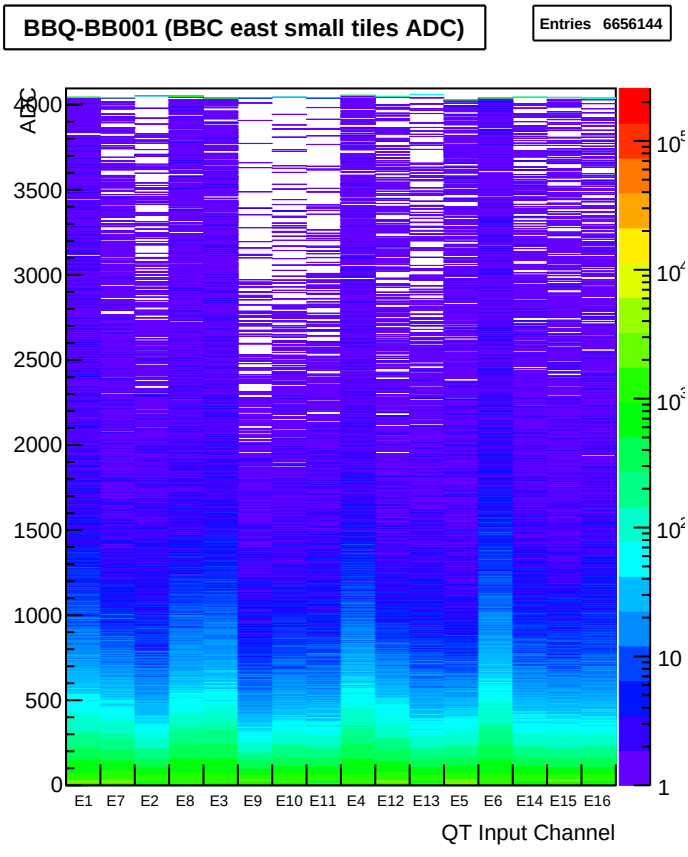

MIX-TF101
Entries 258473
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

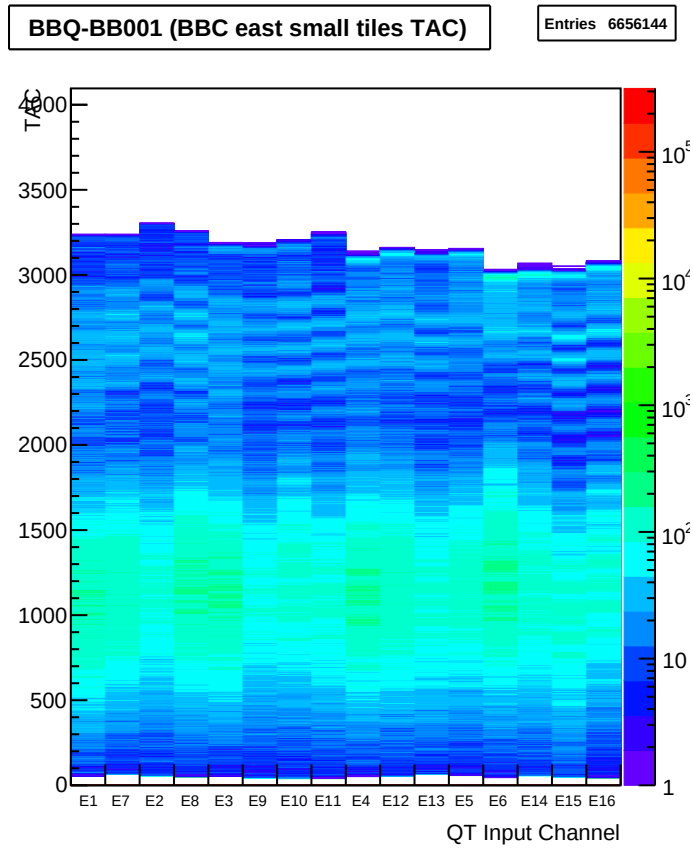

L2-TF201
Entries 416009
TOF total mult

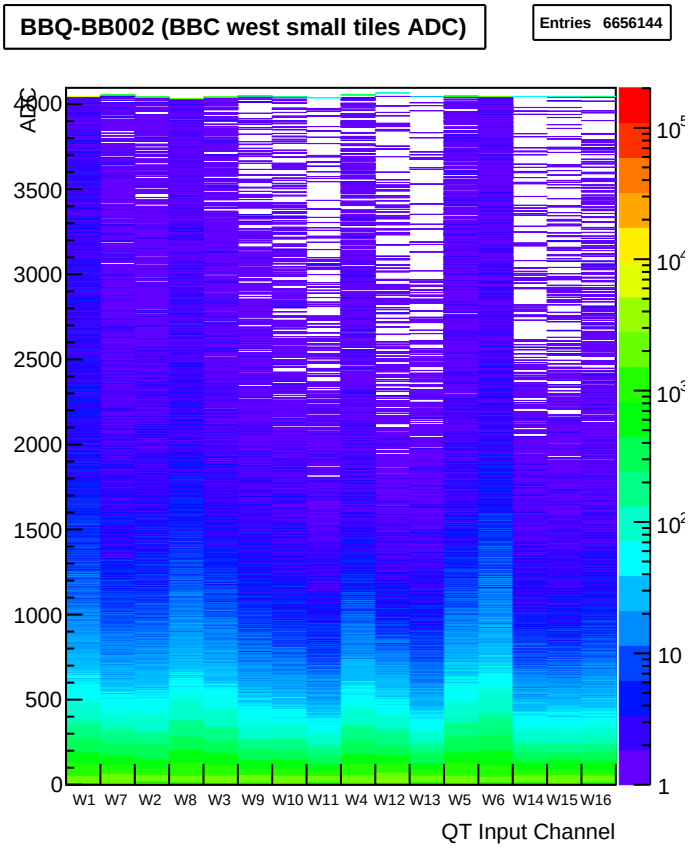

L2-TF201
Entries 0
TOF total mult(Real-Simu)

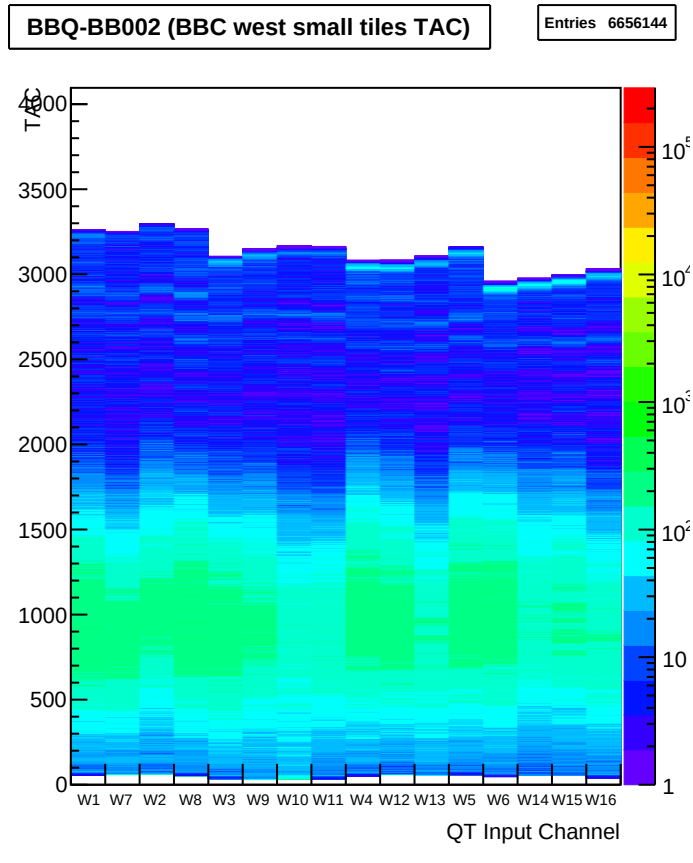

L2-TF201
Entries 2912063
Threshold/UPC bits
378128
380981
378253
382063
379286
377013
401848
37881
35028
37756
33946
36723
38996
14161
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

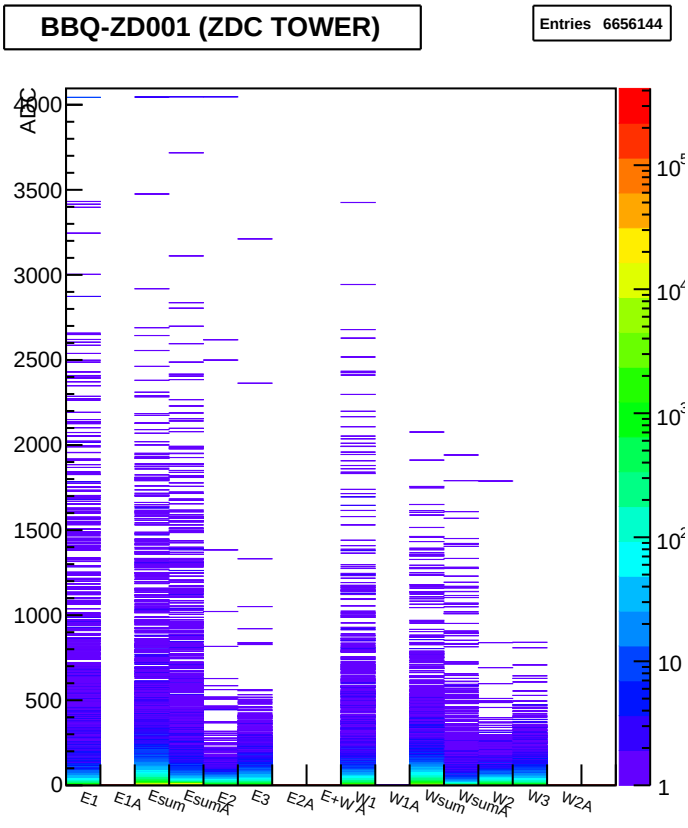

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

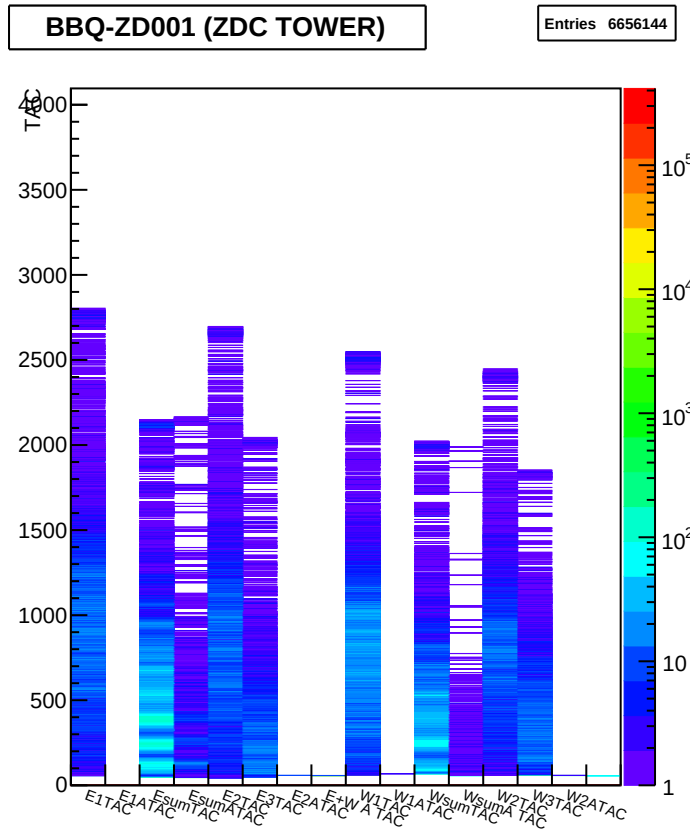

BBQ-BB001 (BBC east small tiles ADC)
Entries 6656144
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

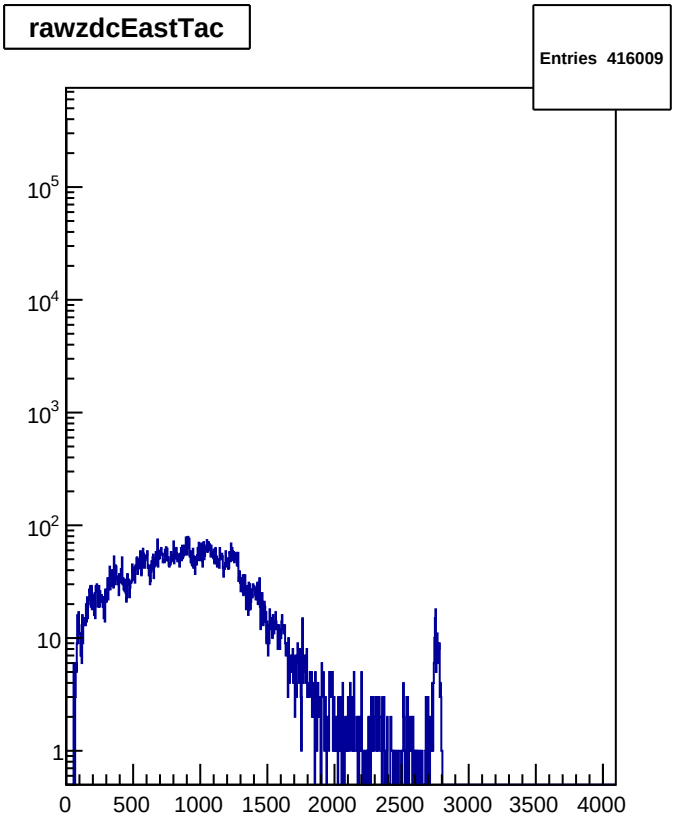

BBQ-BB001 (BBC east small tiles TAC)
Entries 6656144
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

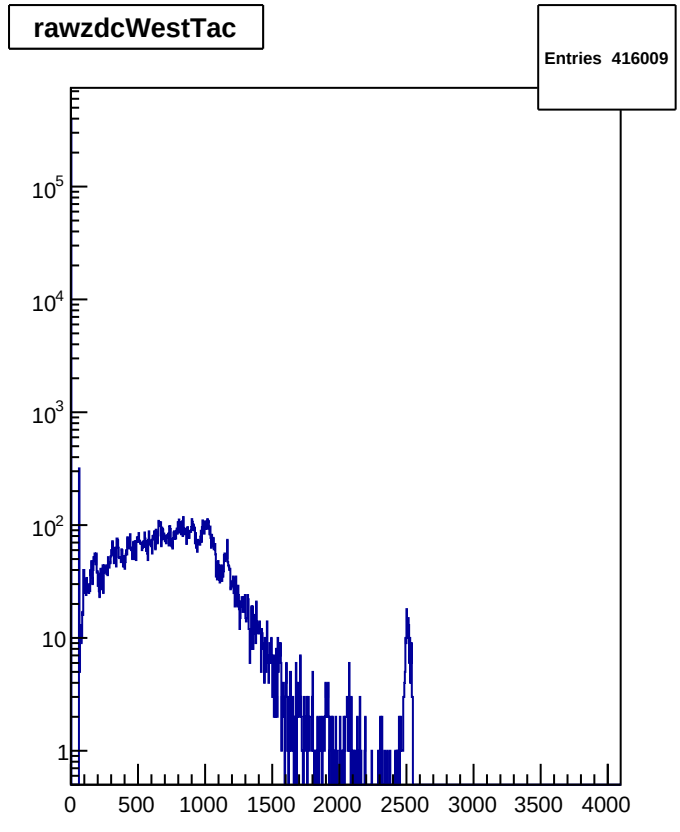

BBQ-BB002 (BBC west small tiles ADC)
Entries 6656144
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

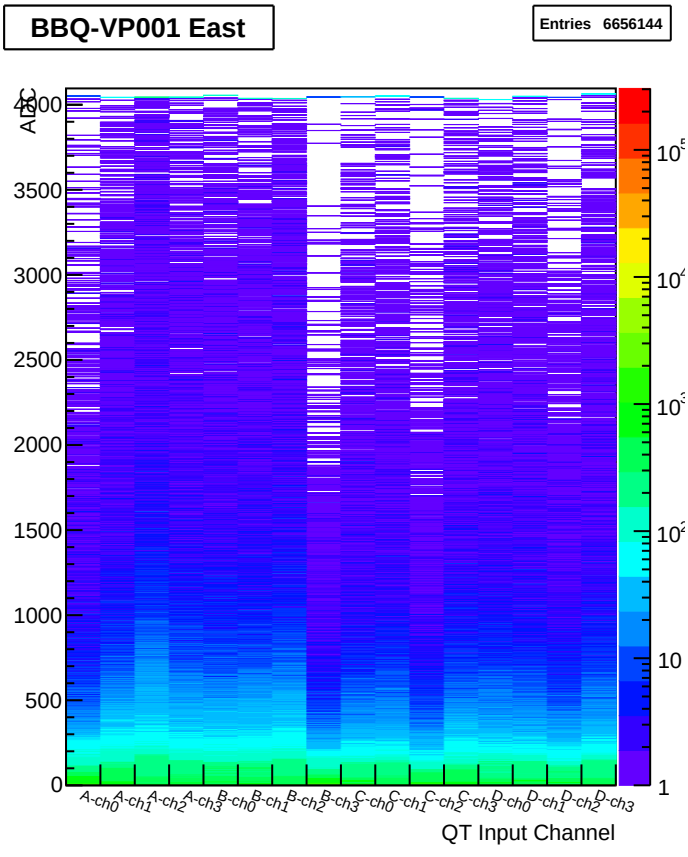

BBQ-BB002 (BBC west small tiles TAC)
Entries 6656144
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

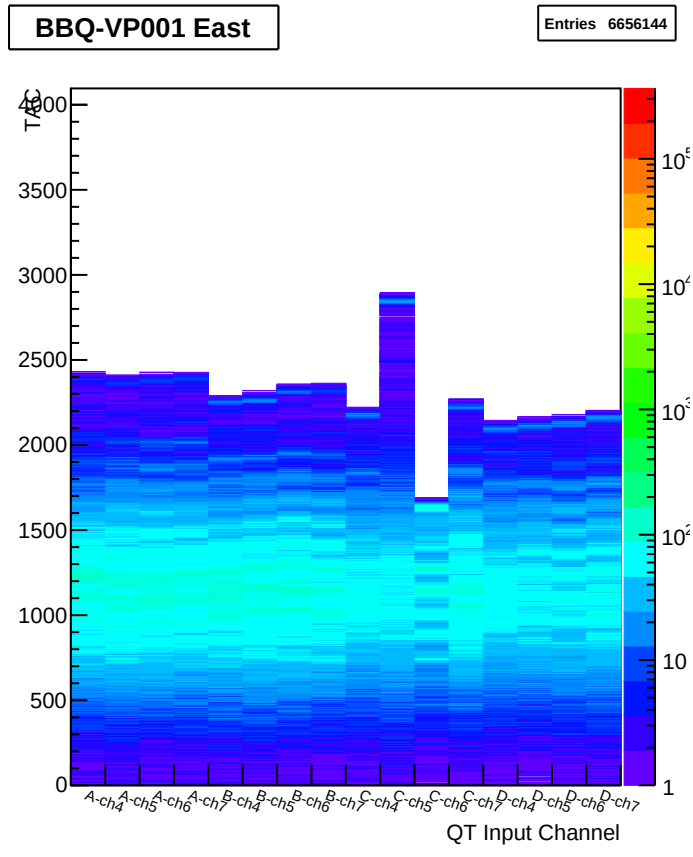

BBQ-ZD001 (ZDC TOWER)
Entries 6656144
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

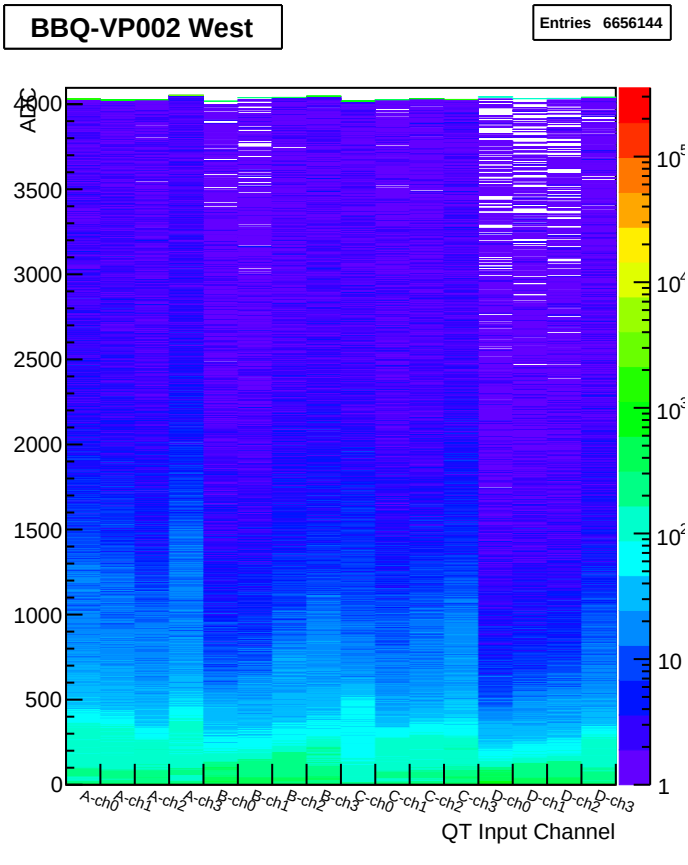

BBQ-ZD001 (ZDC TOWER)
Entries 6656144
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

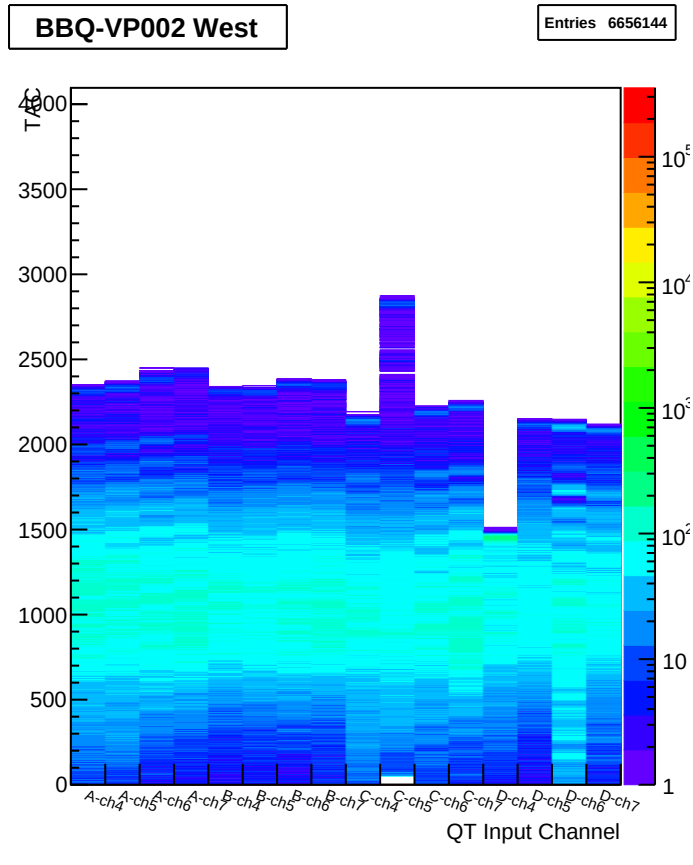

rawzdcEastTac
Entries 416009

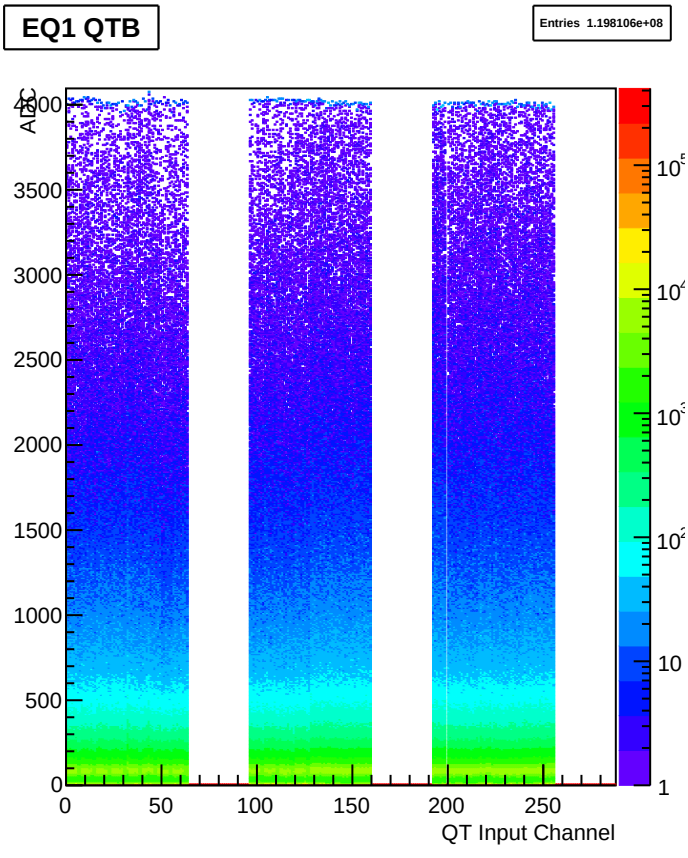

rawzdcWestTac
Entries 416009

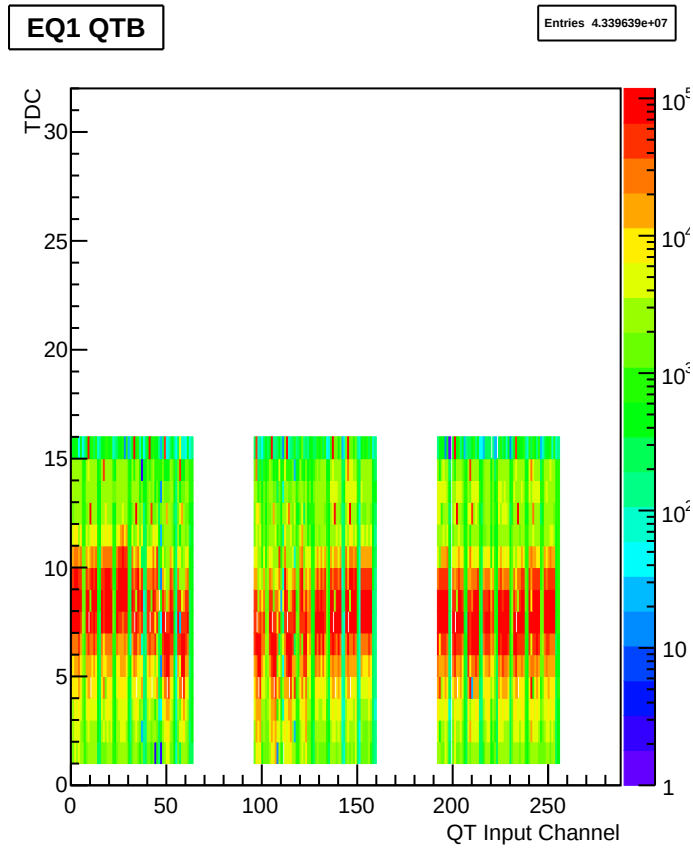

BBQ-VP001 East
Entries 6656144
ADC
QT Input Channel

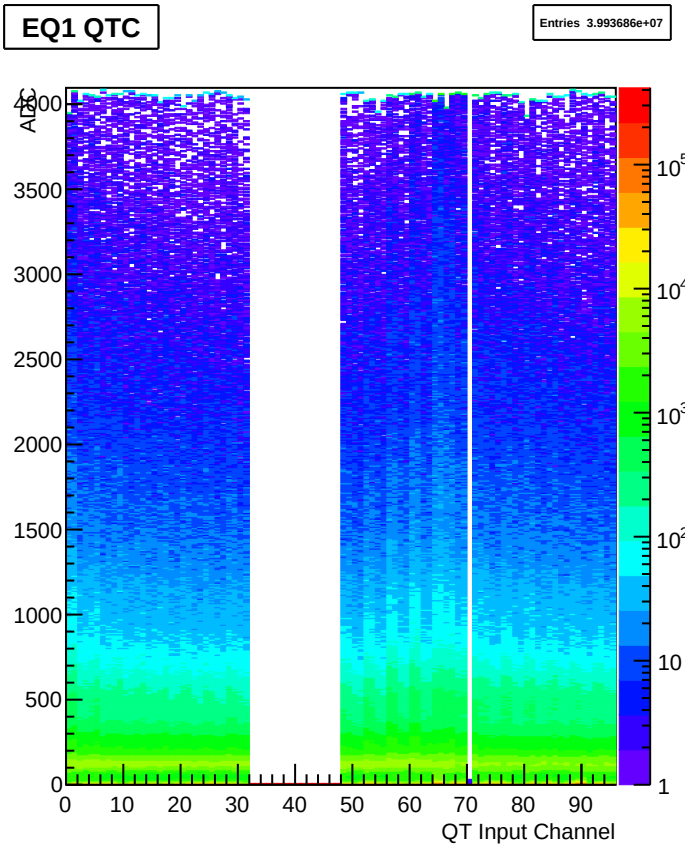

BBQ-VP001 East
Entries 6656144
TADC
QT Input Channel

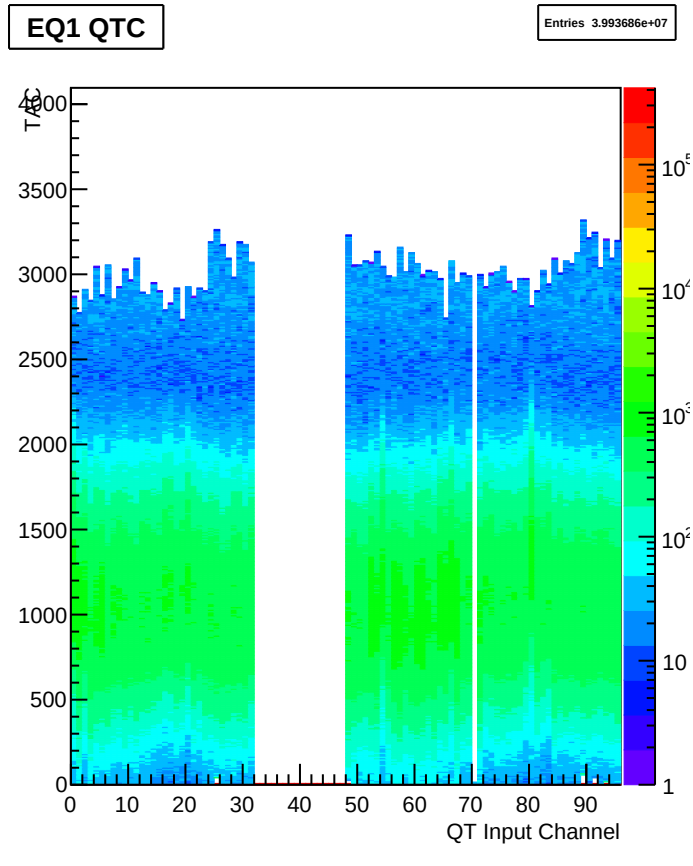

BBQ-VP002 West
Entries 6656144
ADC
QT Input Channel

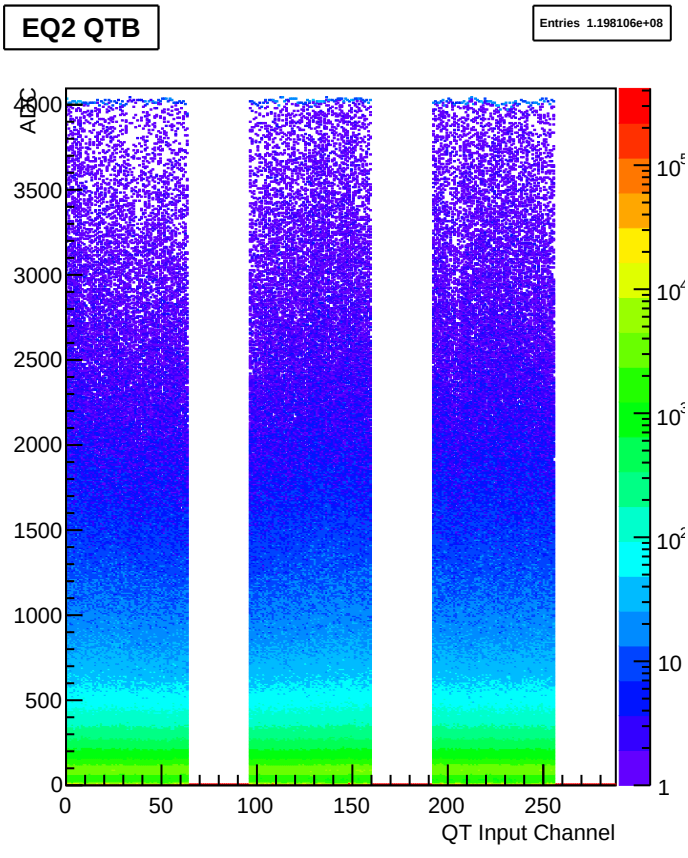

BBQ-VP002 West
Entries 6656144
TADC
QT Input Channel

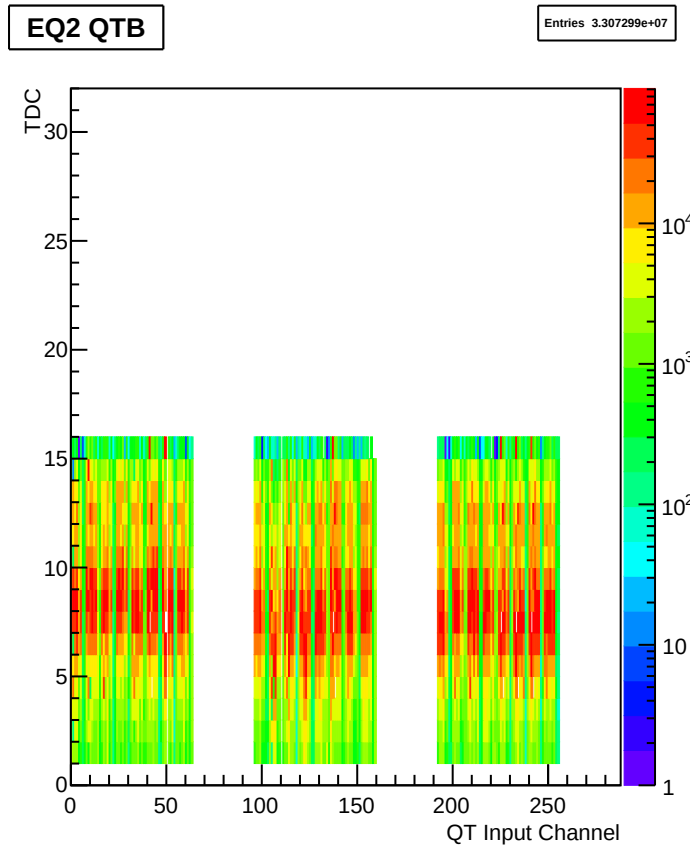

EQ1 QTB
Entries 1.198106e+08
ADC
QT Input Channel

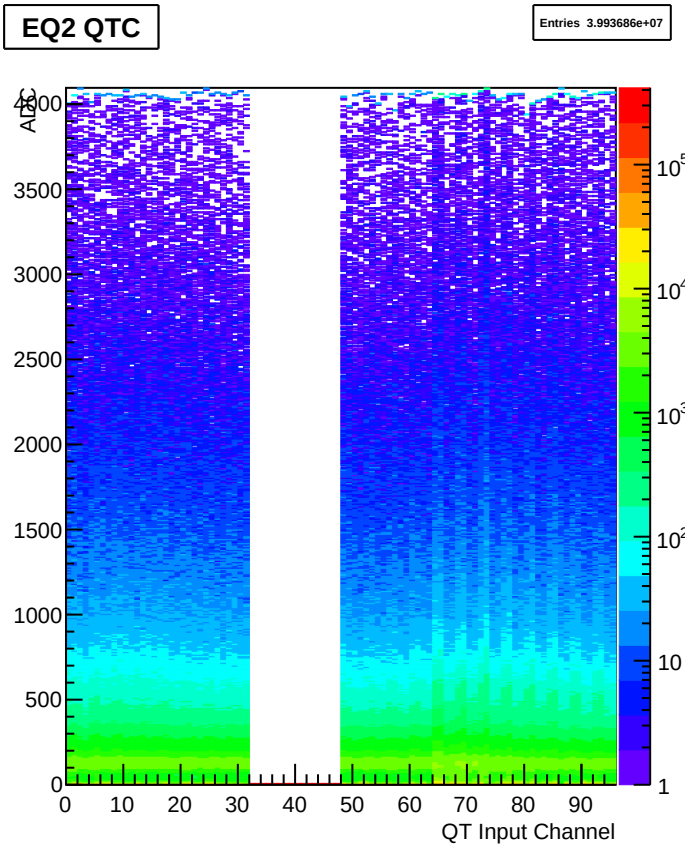

EQ1 QTB
Entries 4.339639e+07
TDC
QT Input Channel

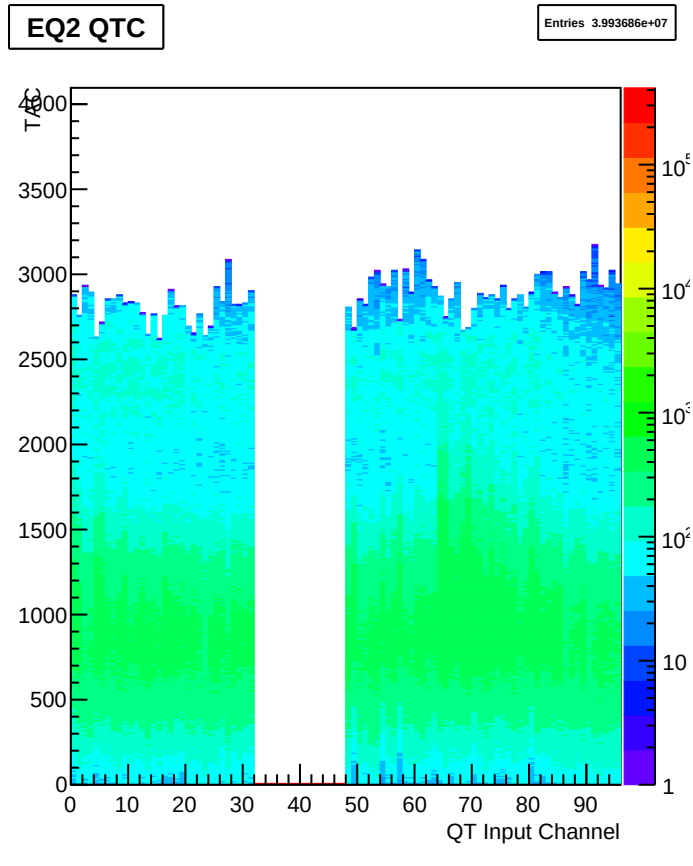

EQ1 QTC
Entries 3.993686e+07
ADC
QT Input Channel

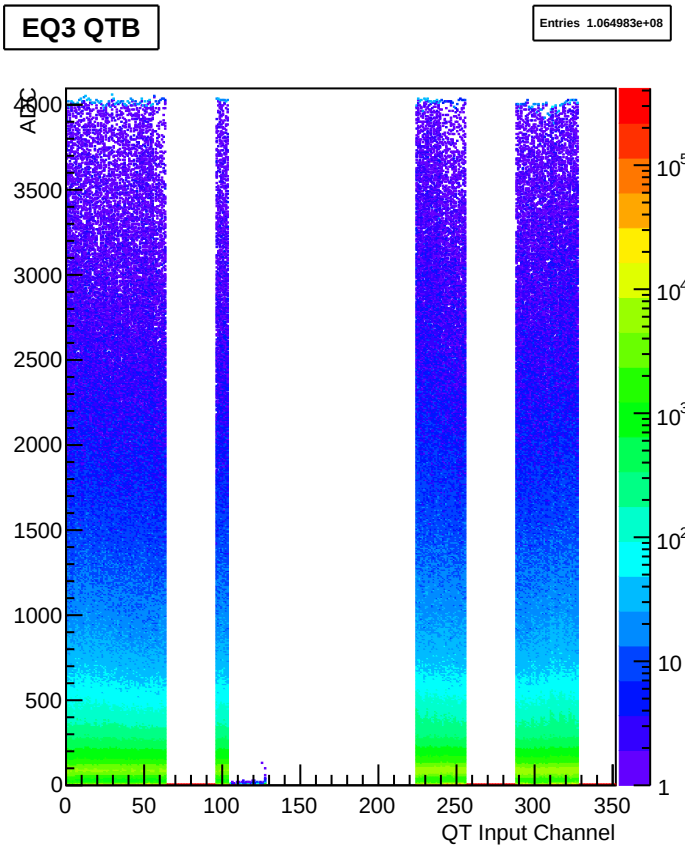

EQ1 QTC
Entries 3.993686e+07
TADC
QT Input Channel

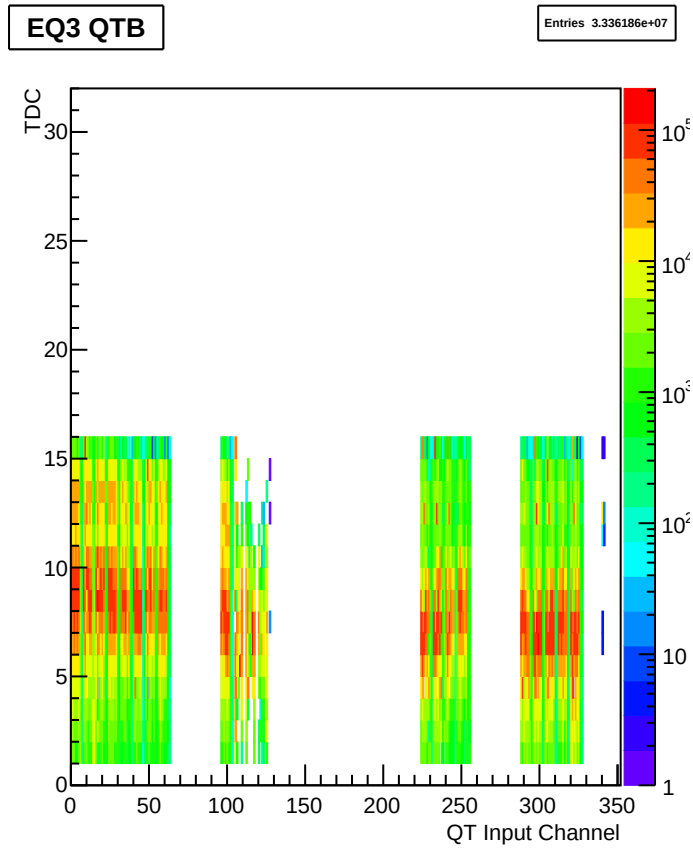

EQ2 QTB
Entries 1.198106e+08
ADC
QT Input Channel

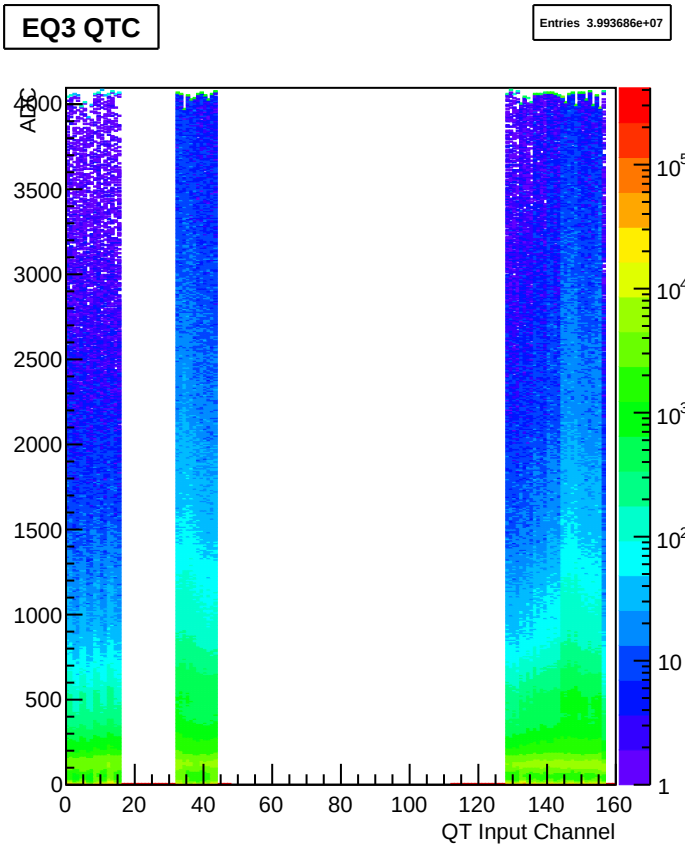

EQ2 QTB
Entries 3.307299e+07
TDC
QT Input Channel

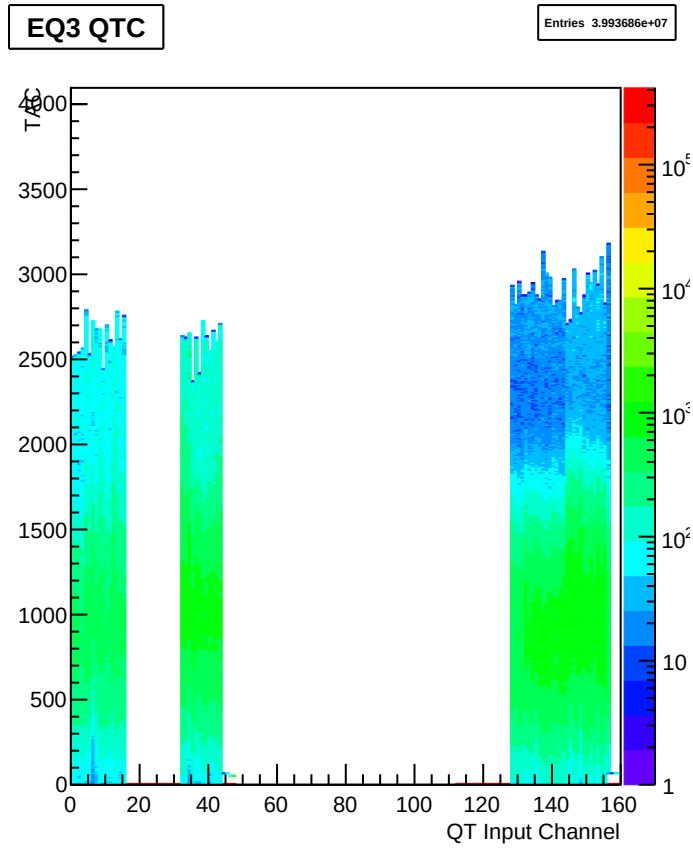

EQ2 QTC
Entries 3.993686e+07
ADC
QT Input Channel

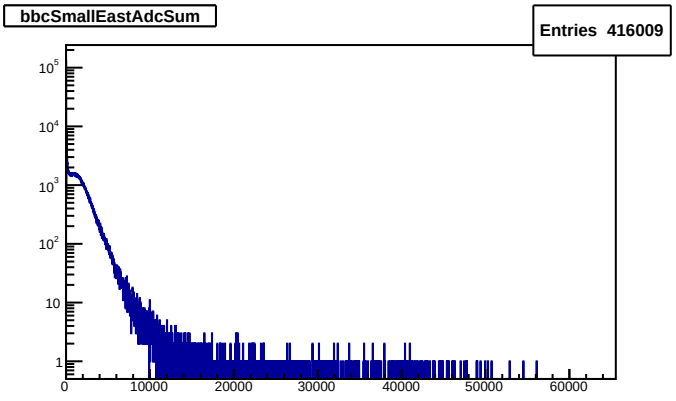

EQ2 QTC
Entries 3.993686e+07
TADC
QT Input Channel

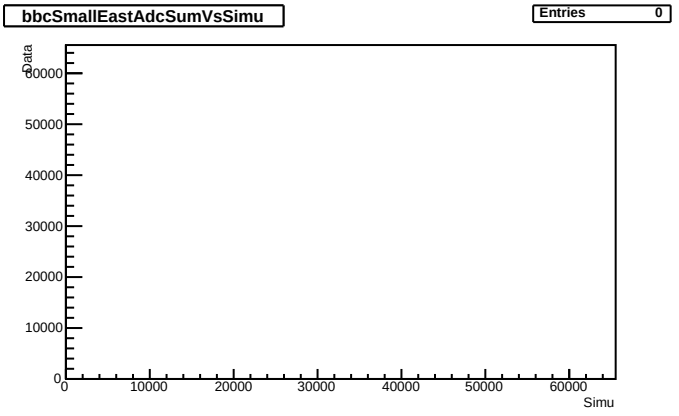

EQ3 QTB
Entries 1.064983e+08
ADC
QT Input Channel

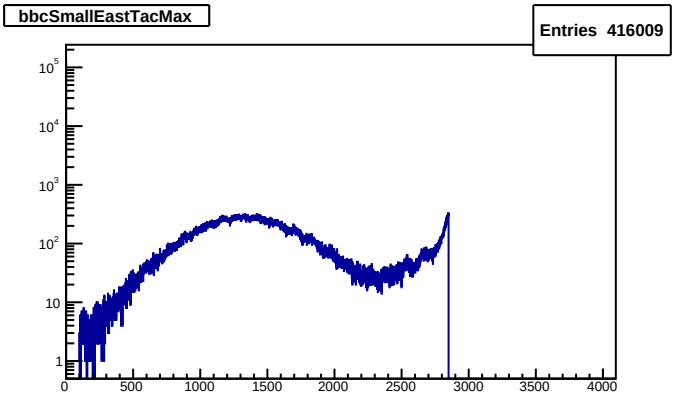

EQ3 QTB
Entries 3.336186e+07
TDC
QT Input Channel

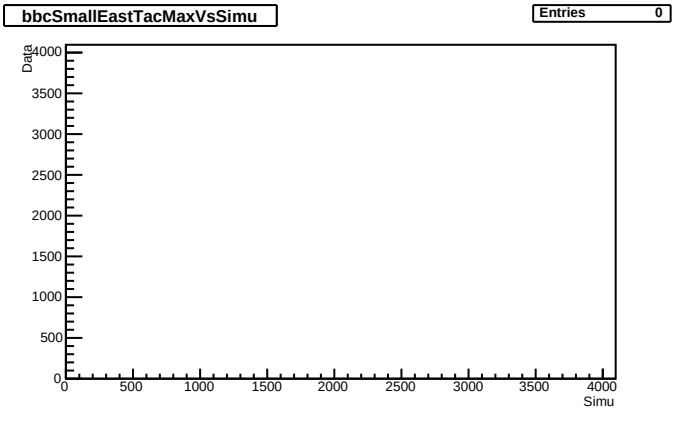

EQ3 QTC
Entries 3.993686e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.993686e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 416009


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 416009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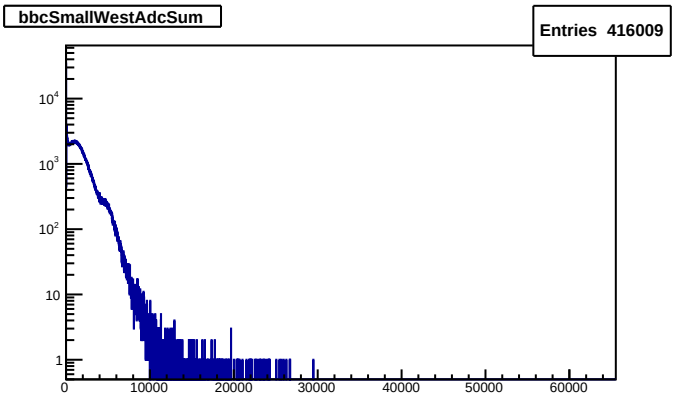
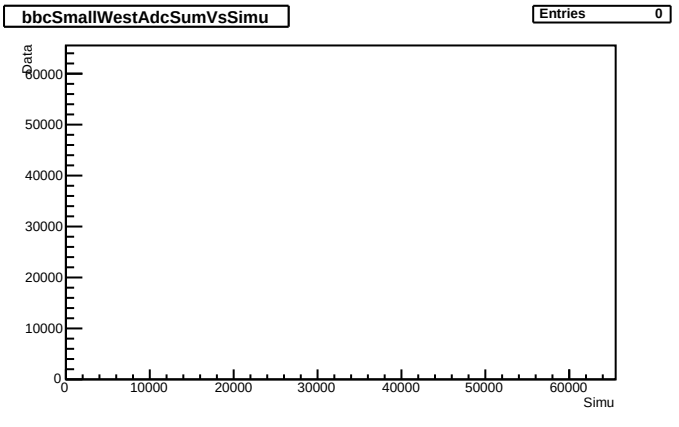

bbcSmallWestAdcSum
Entries 416009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Entries 0
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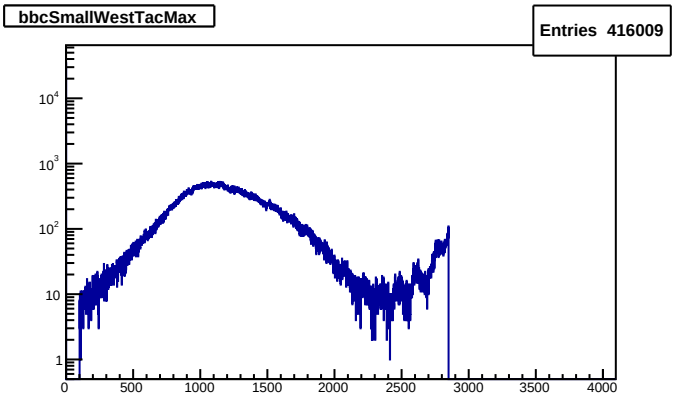
Simu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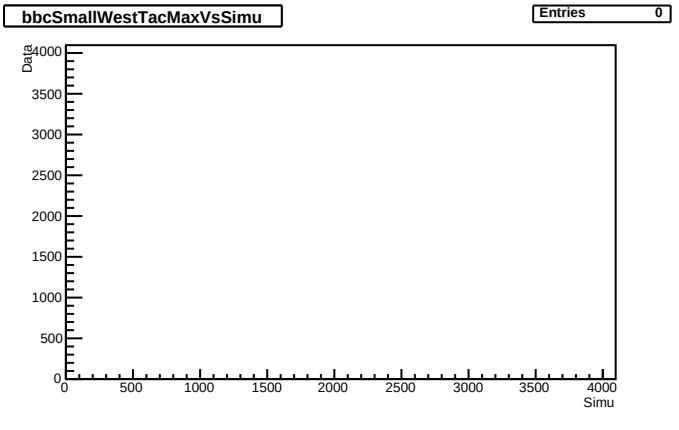
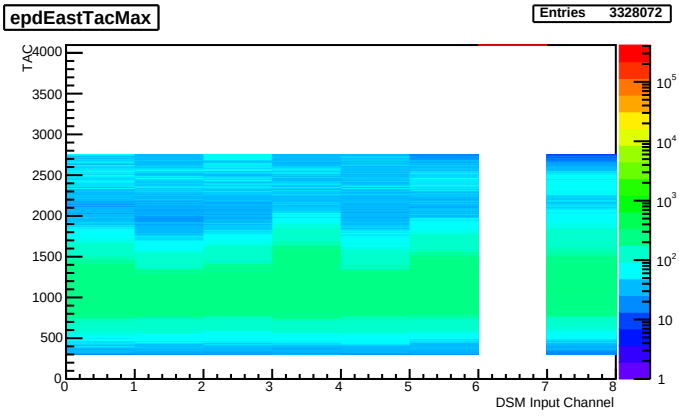
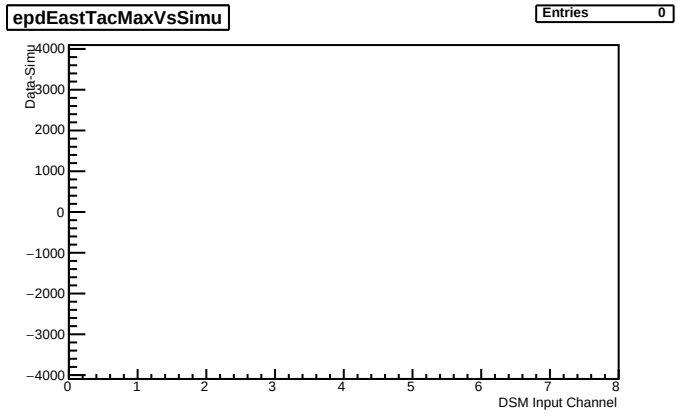
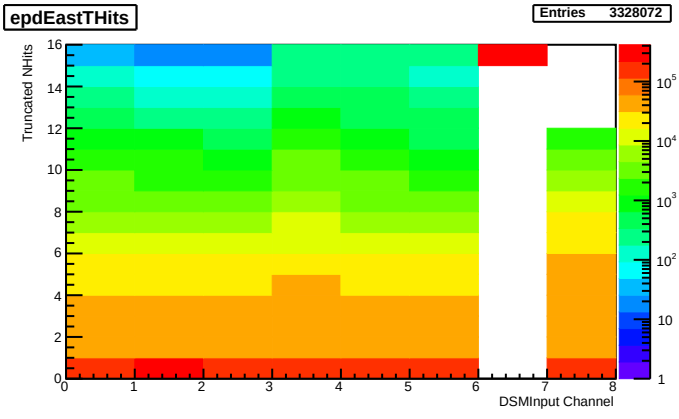
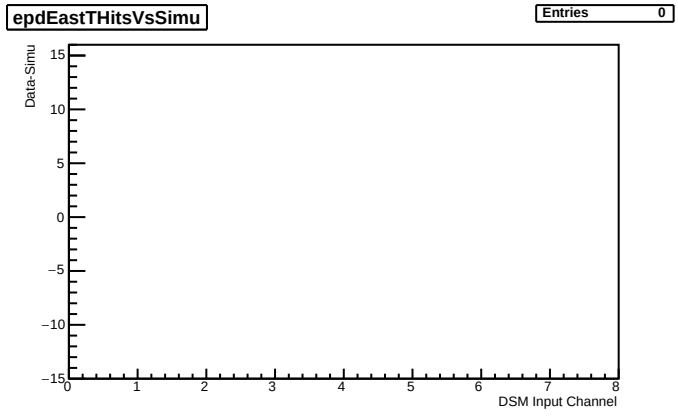
Entries 416009


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 3328072
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3328072
Truncated NHits
DSMInput Channel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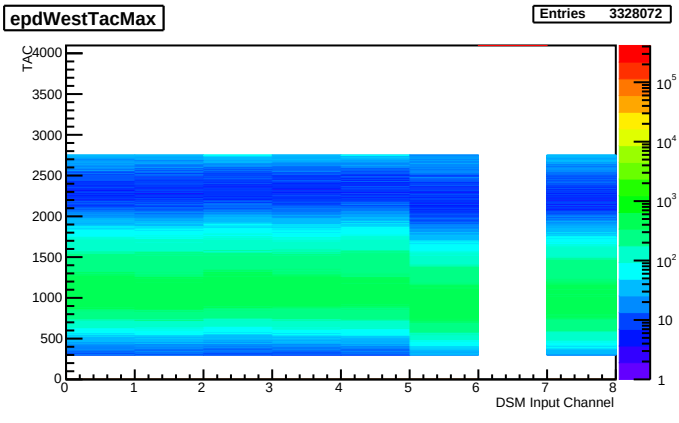
DSM Input Channel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Entries 3328072
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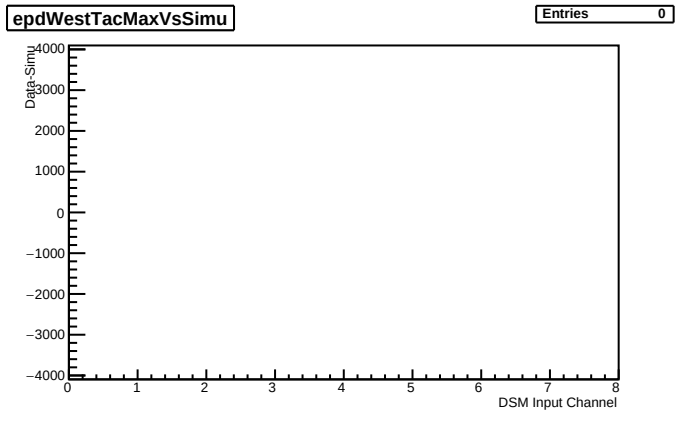
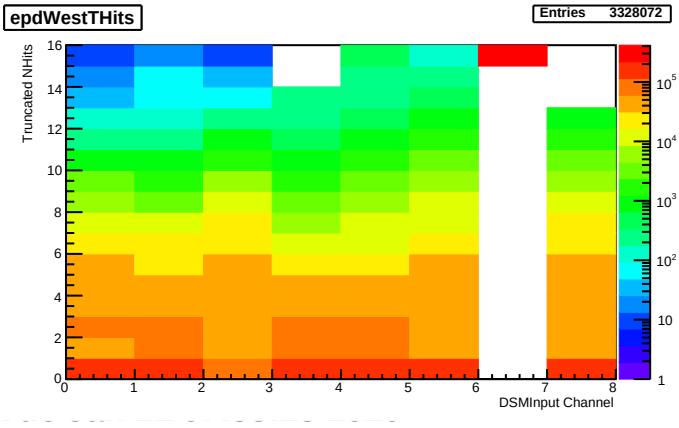
DSM Input Channel


epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel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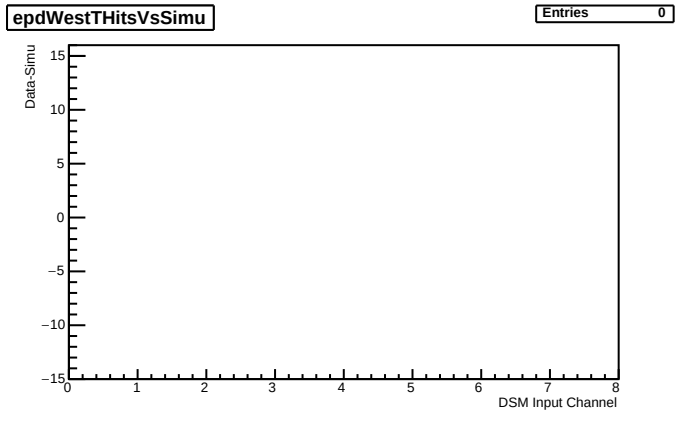
Entries 3328072
Truncated NHits
DSMInput Channel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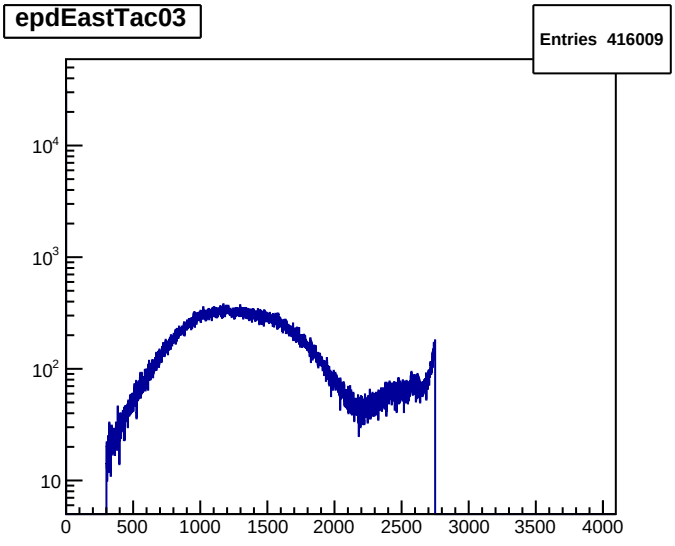
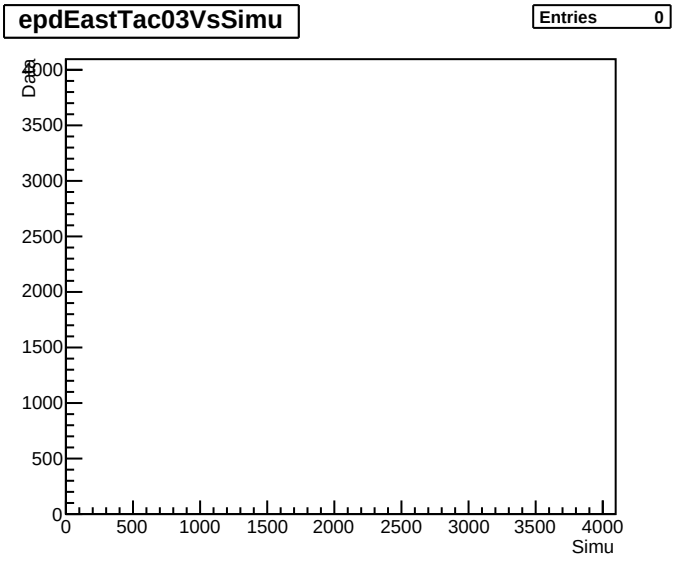
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 416009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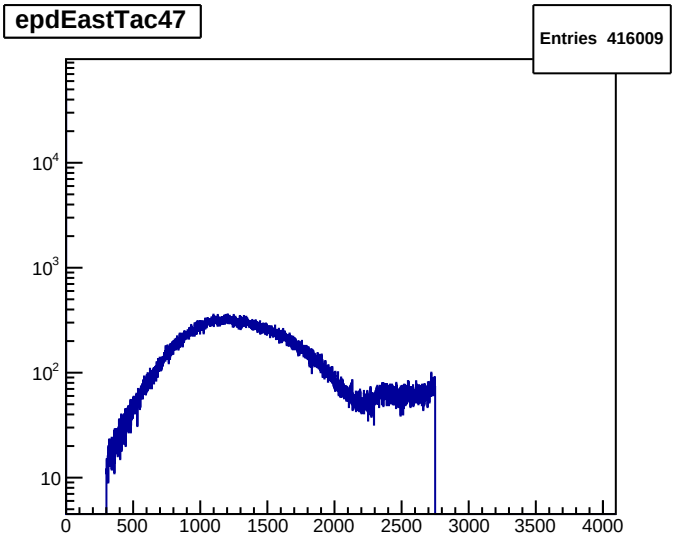
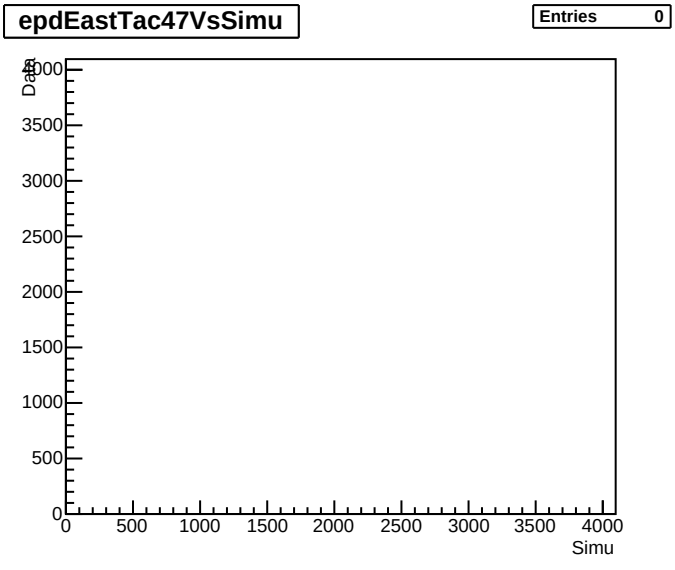
Entries 0
Data
Simu


epdEastTac47
Entries 416009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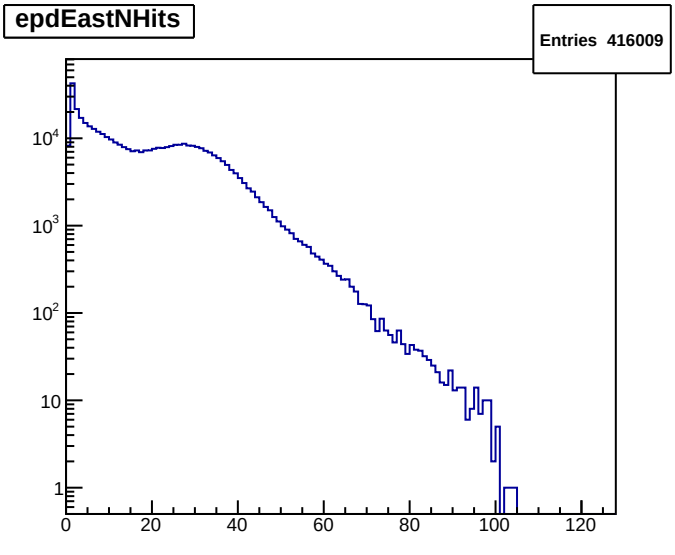
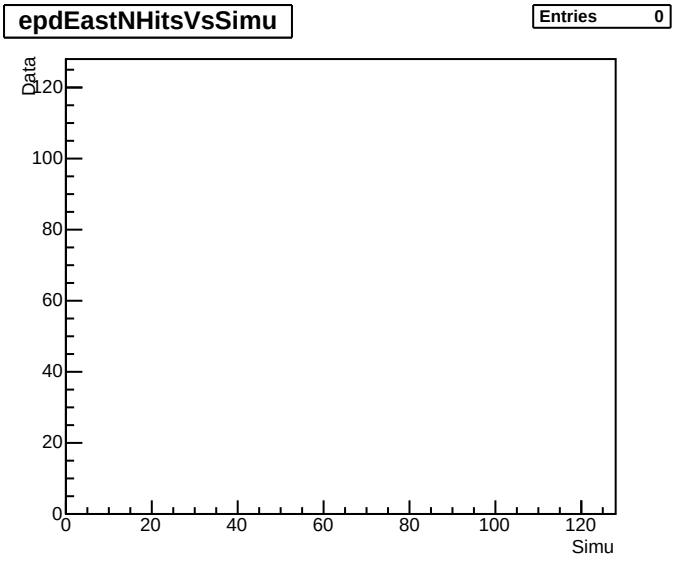
Data
Simu


epdEastNHits
Entries 416009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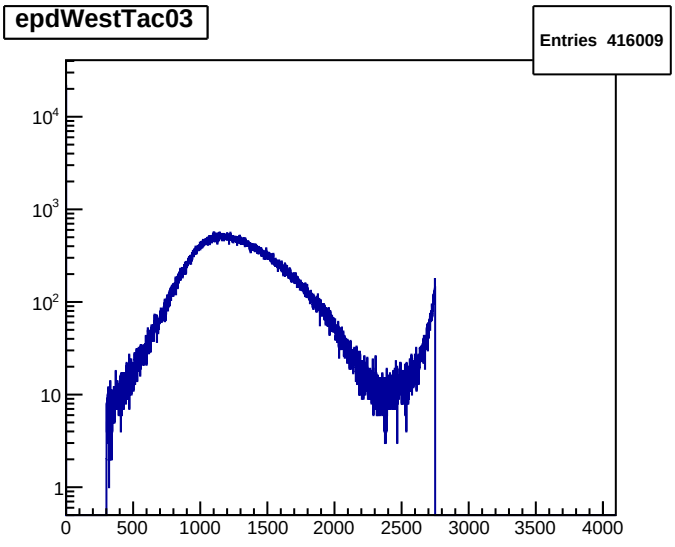
Entries 0
Data
Simu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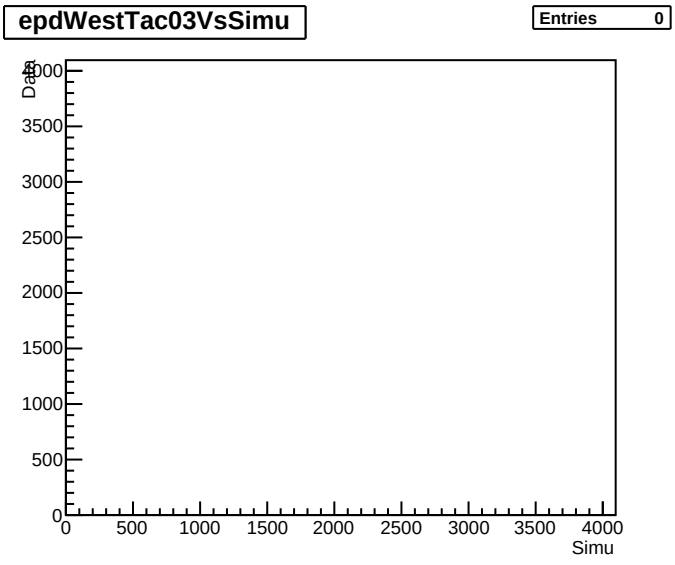
Entries 416009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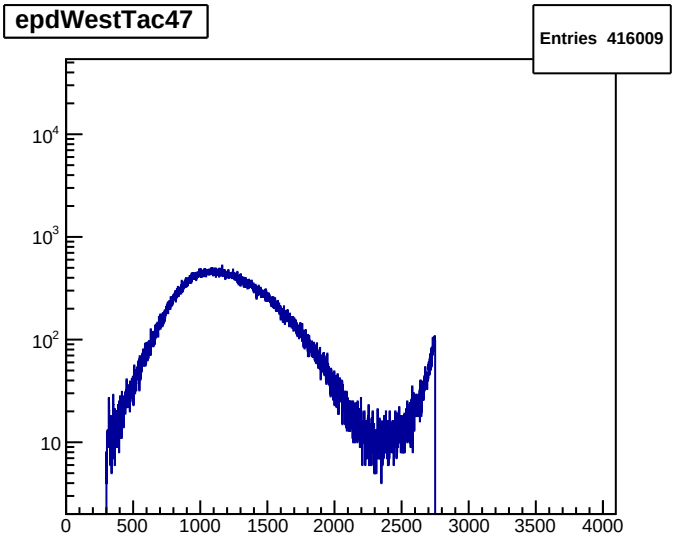
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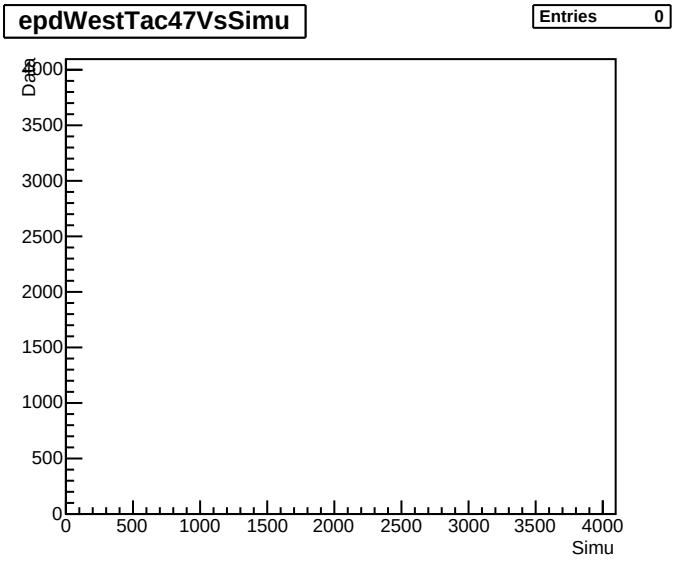
Entries 416009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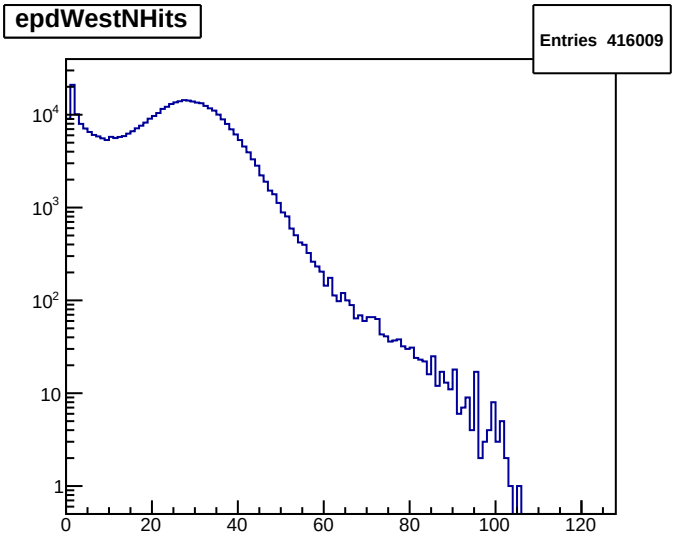
Entries 0
Data
Simu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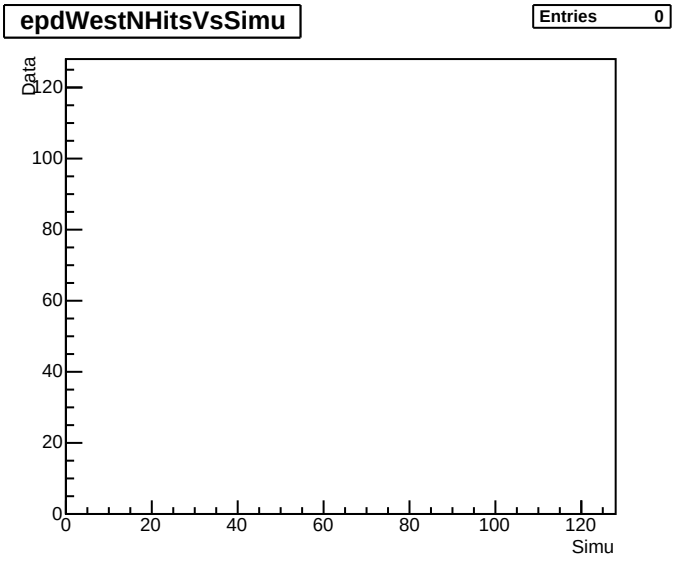
Entries 416009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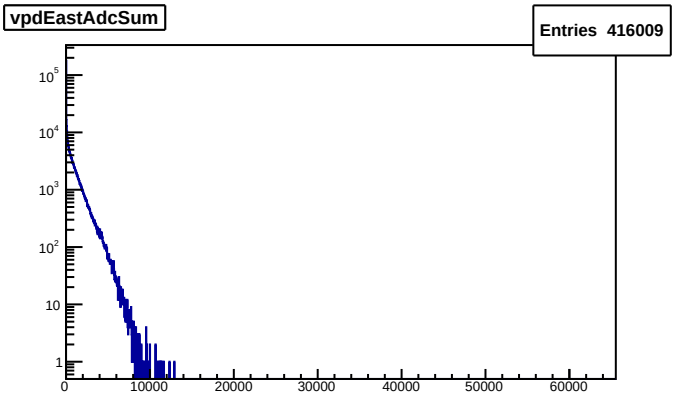
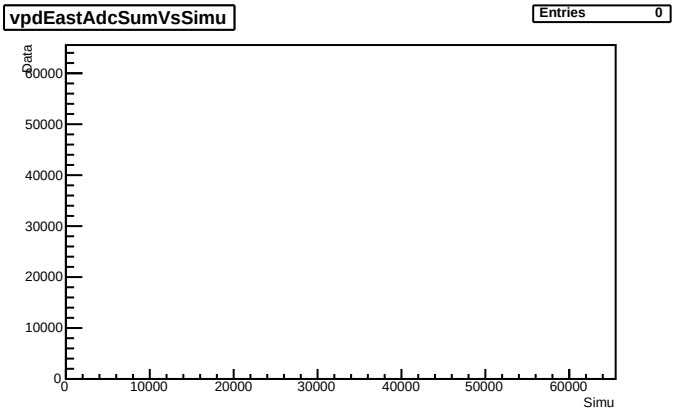
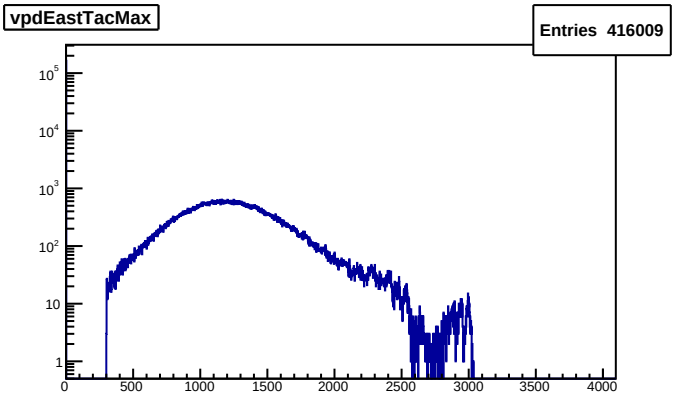
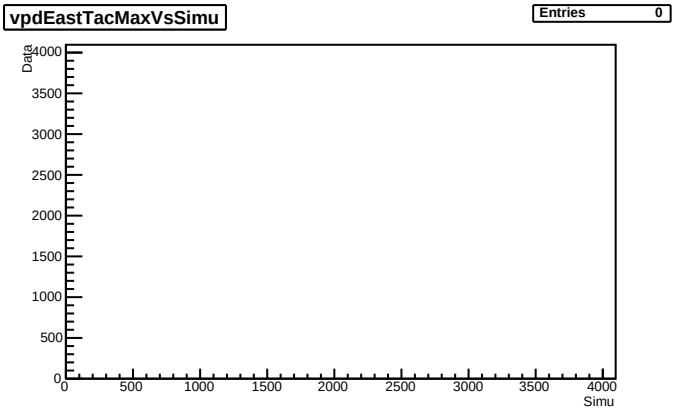
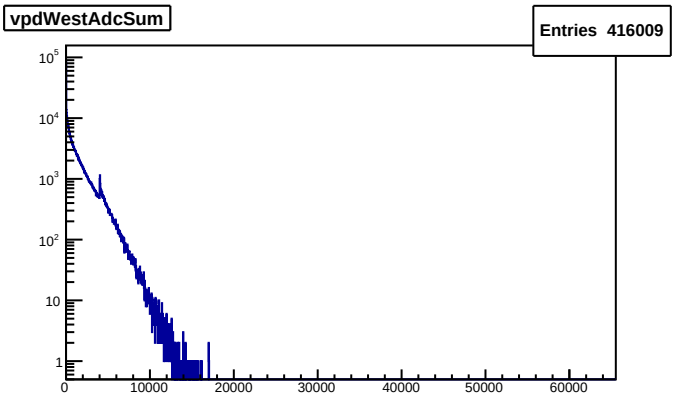
Entries 0
Data
Simu

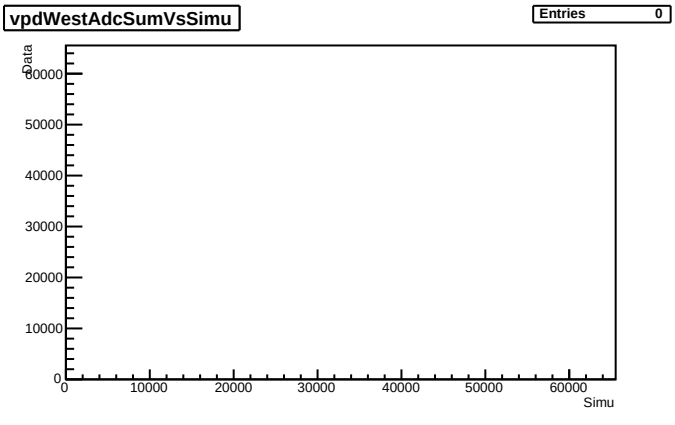

vpdEastAdcSum
Entries 416009


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 416009


vpdEastTacMaxVsSimu
Entries 0
Data
Simu


vpdWestAdcSum
Entries 416009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Entries 0
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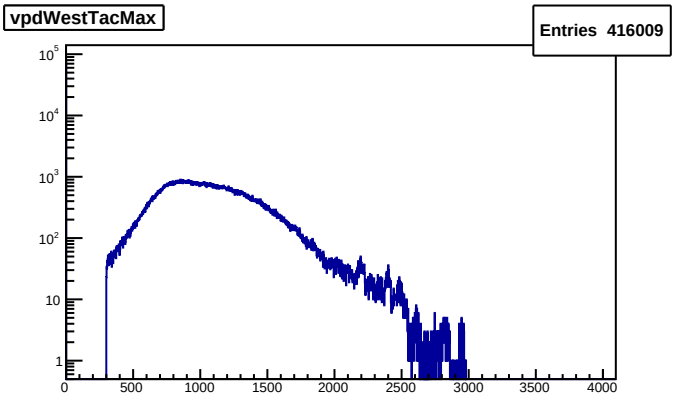
Simu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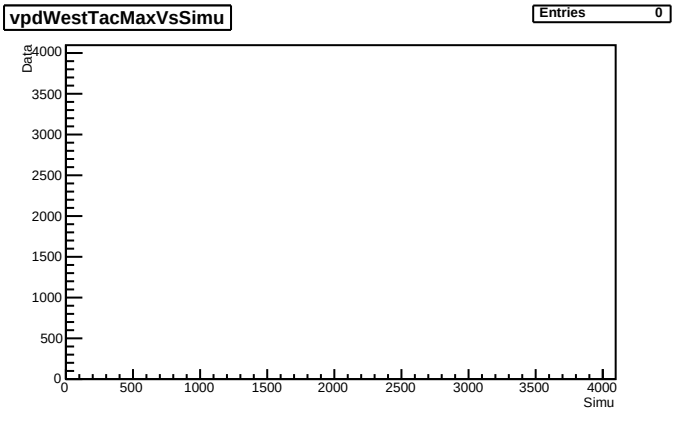
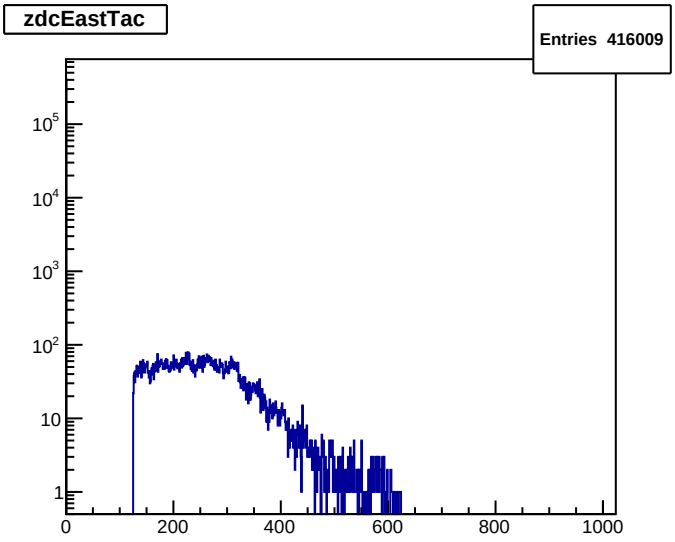
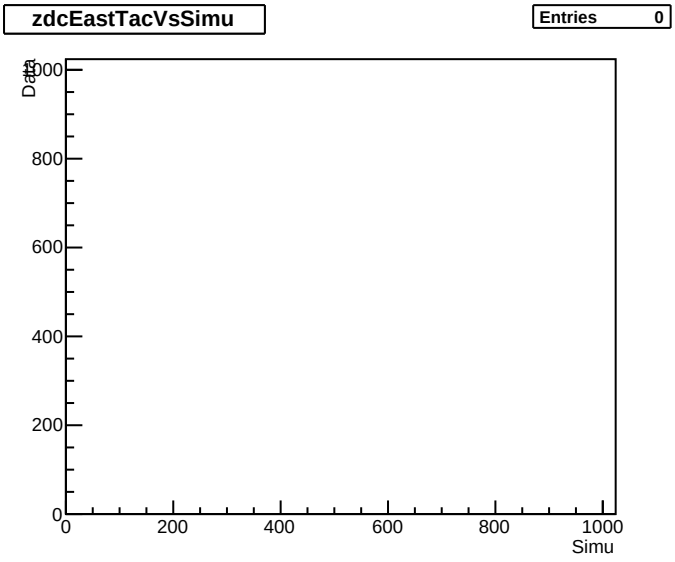
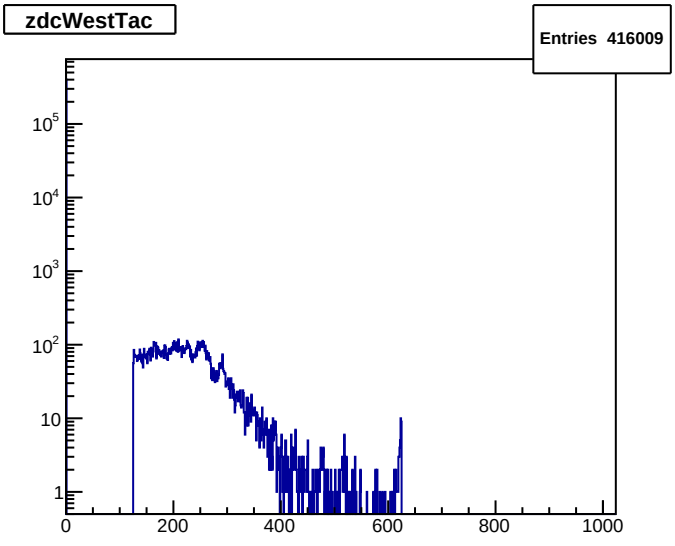
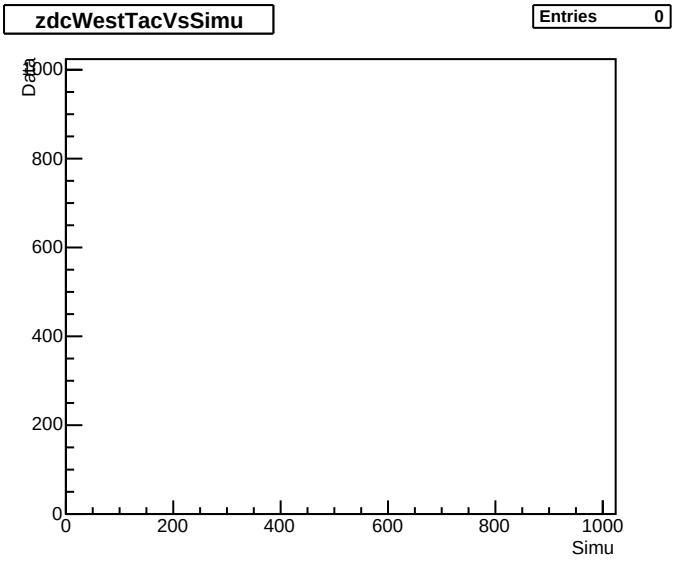
Entries 416009

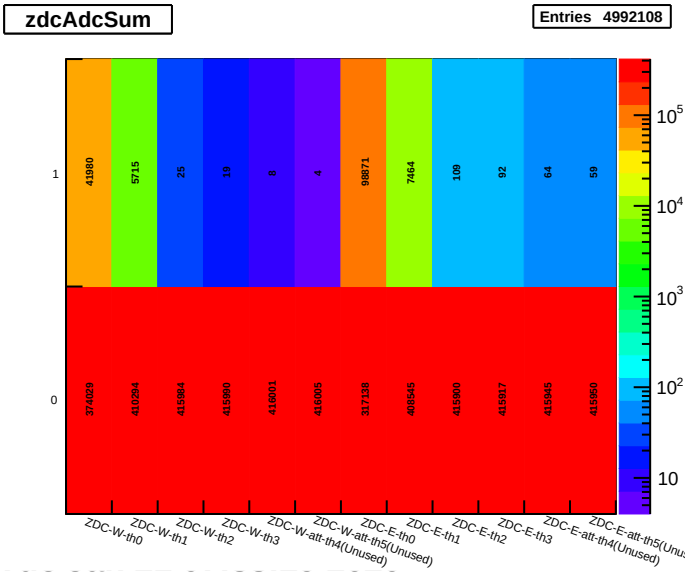

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

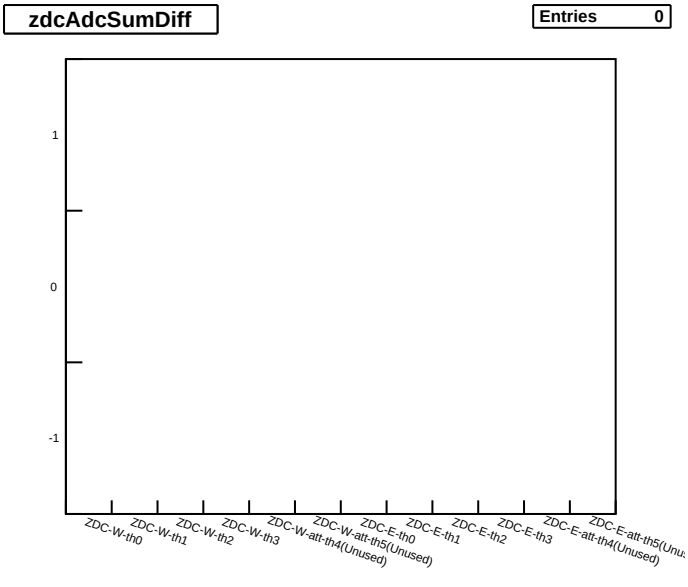

zdcEastTac
Entries 416009
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

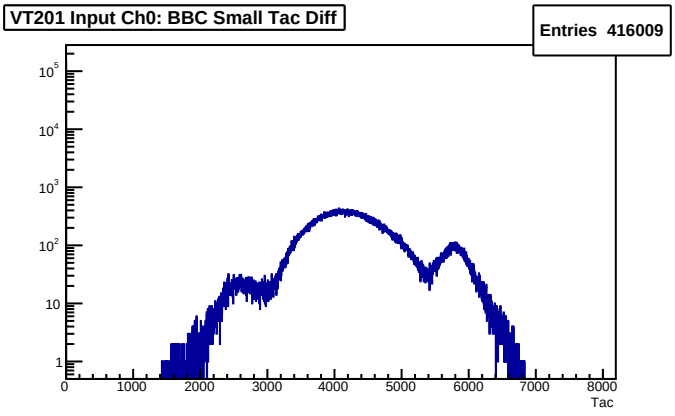

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

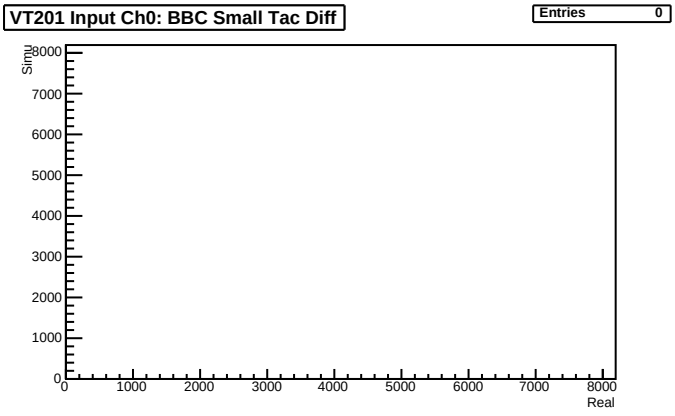

zdcWestTac
Entries 416009
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

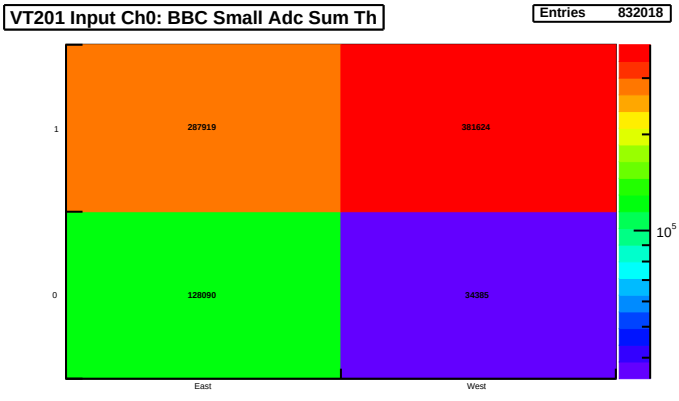

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

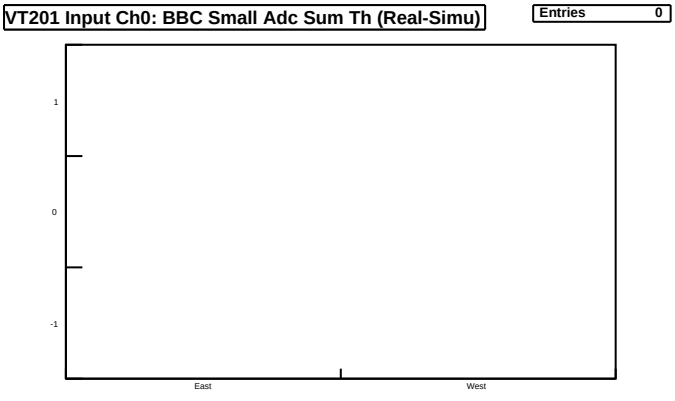

zdcAdcSum
Entries 4992108
1
0
41980
5715
25
19
8
4
98871
7464
109
92
64
59
374029
410294
415984
415990
416001
416005
317138
408545
415900
415917
415945
415950
10^5
10^4
10^3
10^2
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

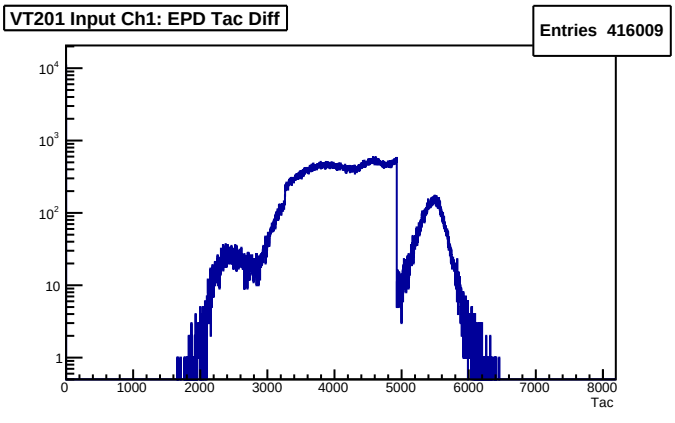

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

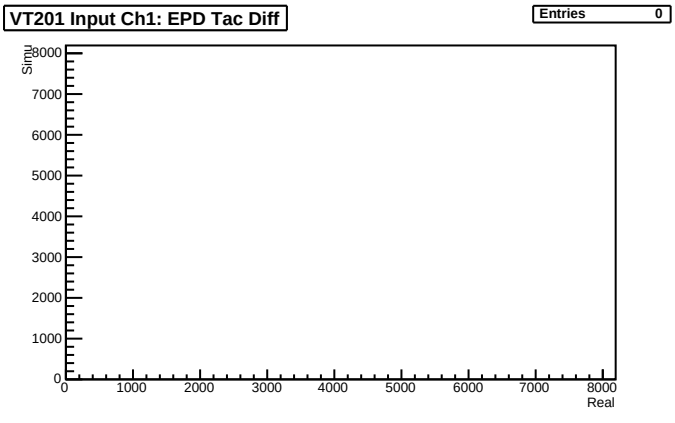

VT201 Input Ch0: BBC Small Tac Diff
Entries 416009
Tac

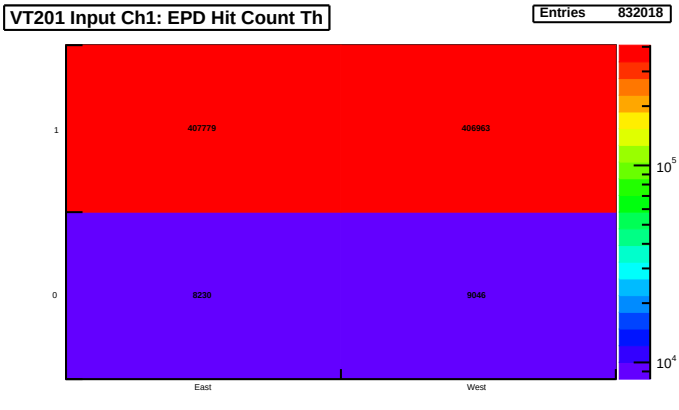

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

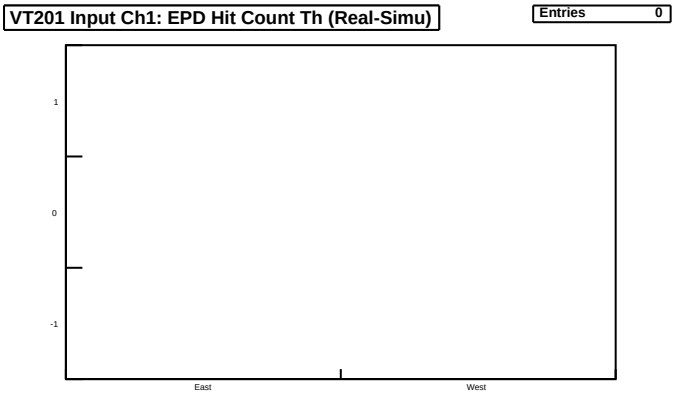

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 832018
287919
381624
128090
34385
East
West

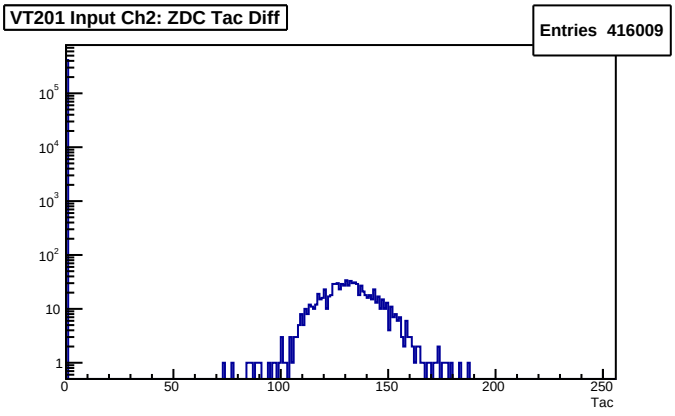

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

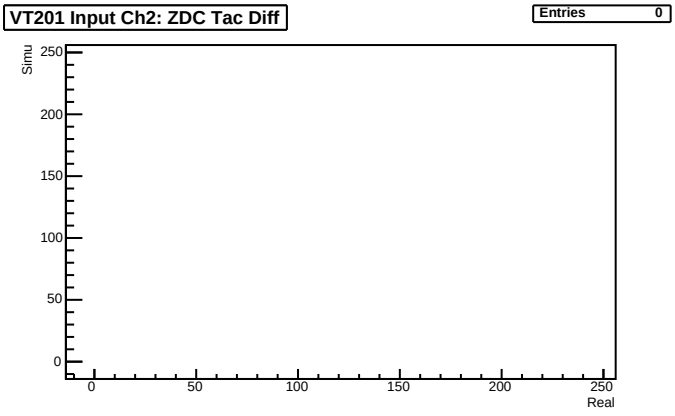

VT201 Input Ch1: EPD Tac Diff
Entries 416009
Tac

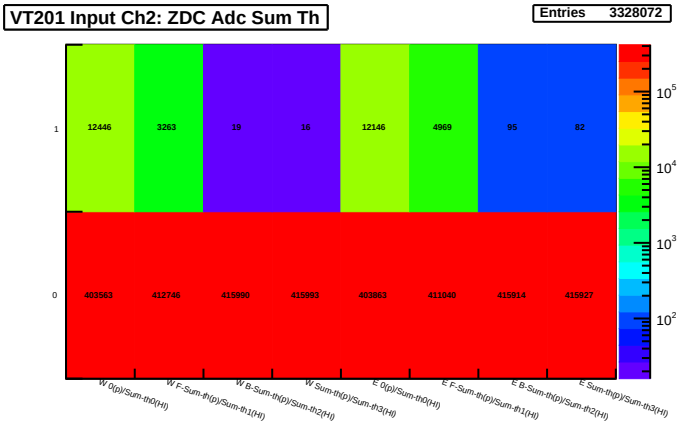

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

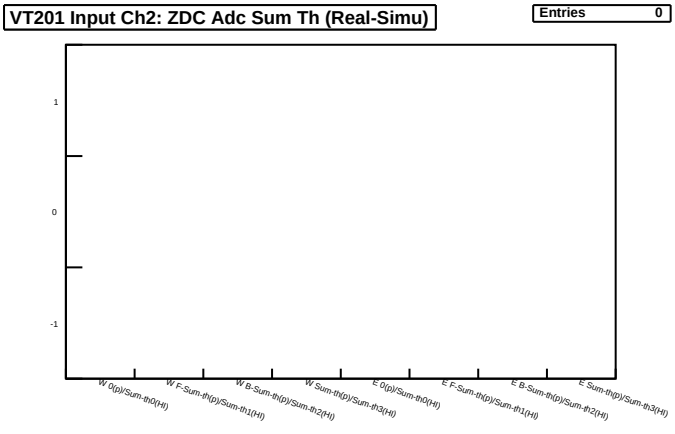

VT201 Input Ch1: EPD Hit Count Th
Entries 832018
407779
400963
8230
9046
East
West

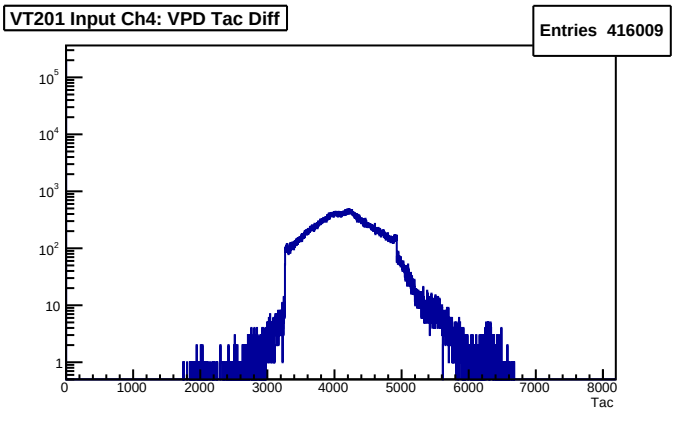

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

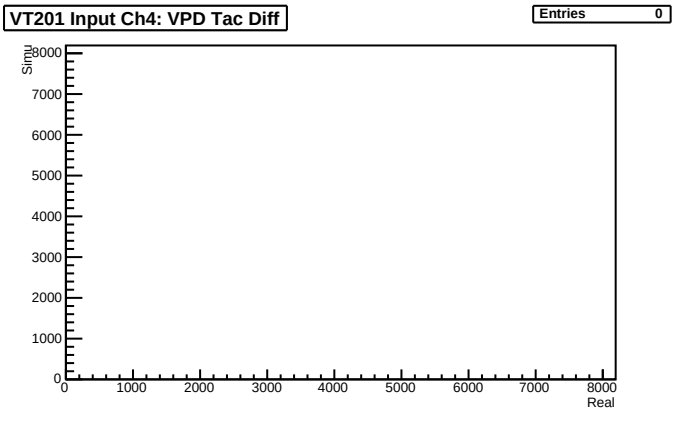

VT201 Input Ch2: ZDC Tac Diff
Entries 416009
Tac

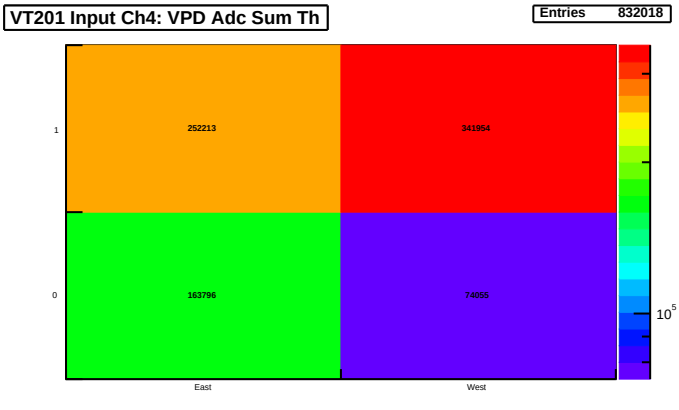

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

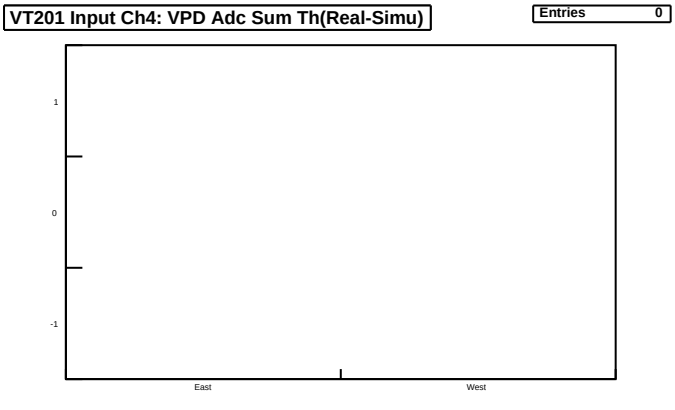

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3328072
12446
3263
19
16
12146
4969
95
82
403563
412746
415990
415993
403863
411040
415914
415927
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

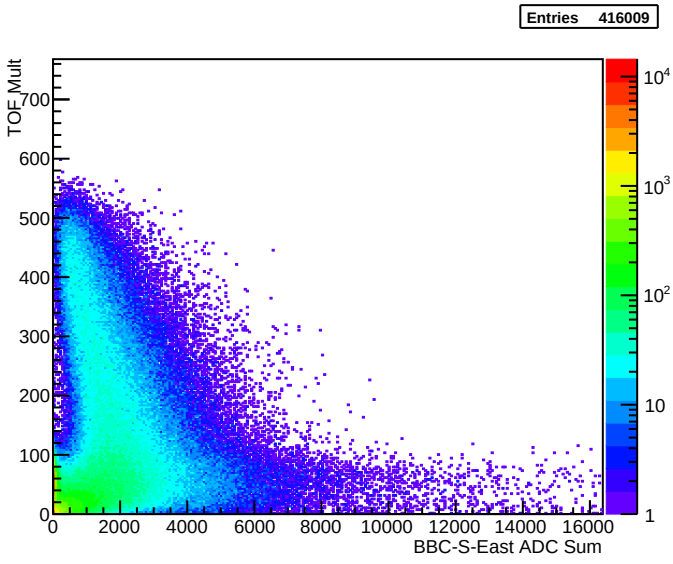

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

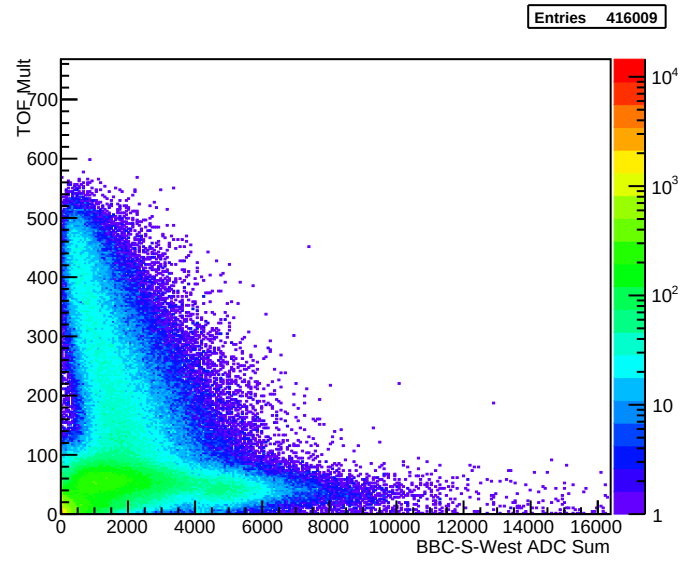

VT201 Input Ch4: VPD Tac Diff
Entries 416009
Tac

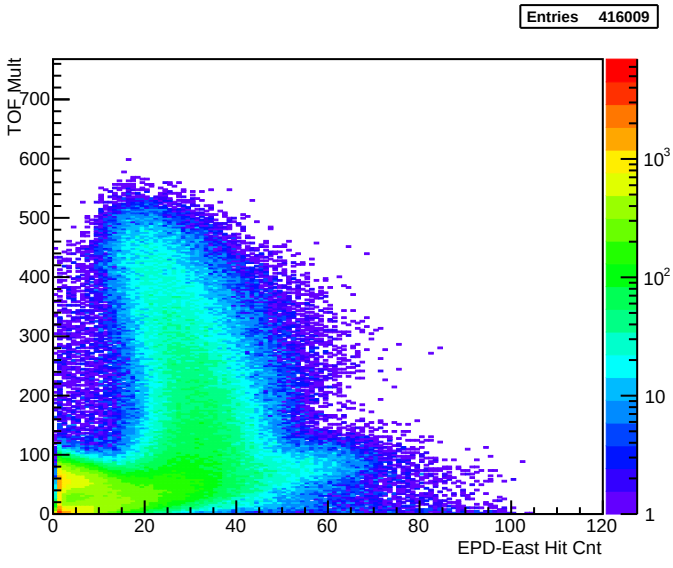

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

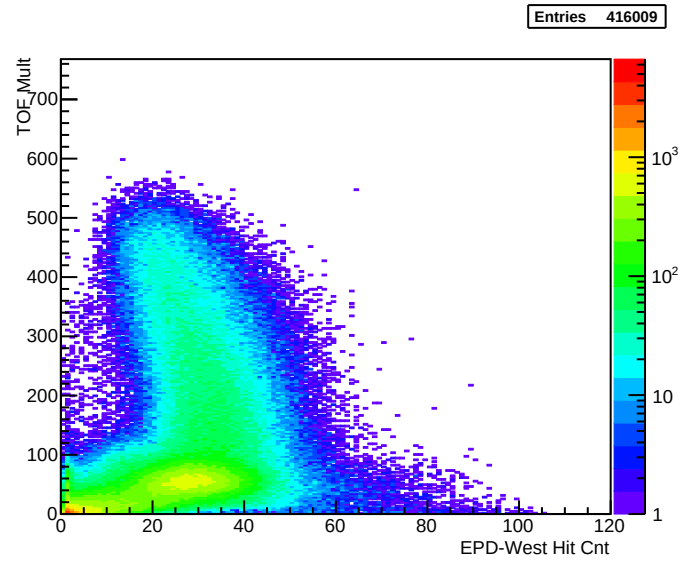

VT201 Input Ch4: VPD Adc Sum Th
Entries 832018
252213
341954
163796
74055
East
West

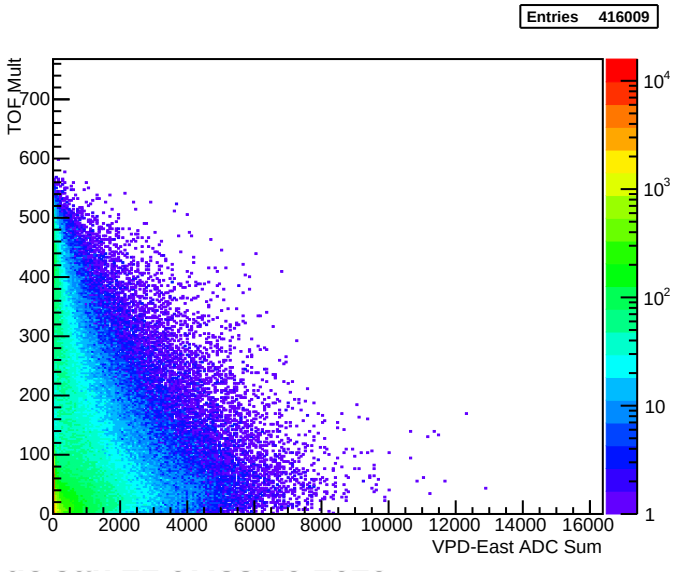

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

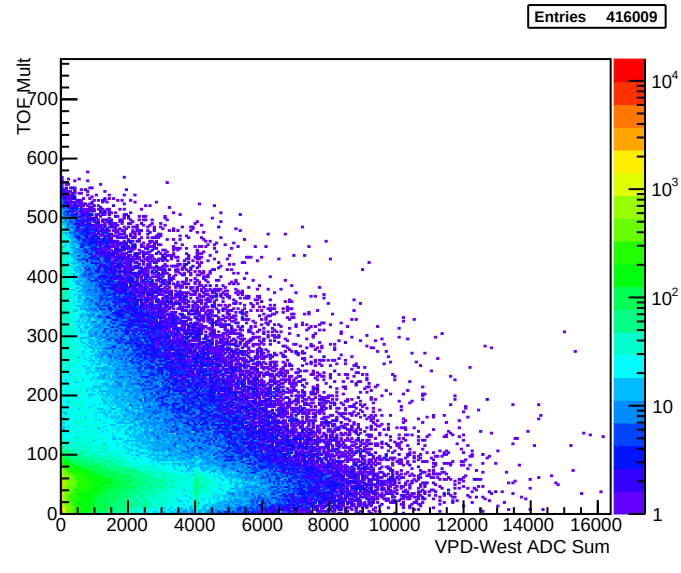

Entries 416009
TOF_Mult
BBC-S-East ADC Sum

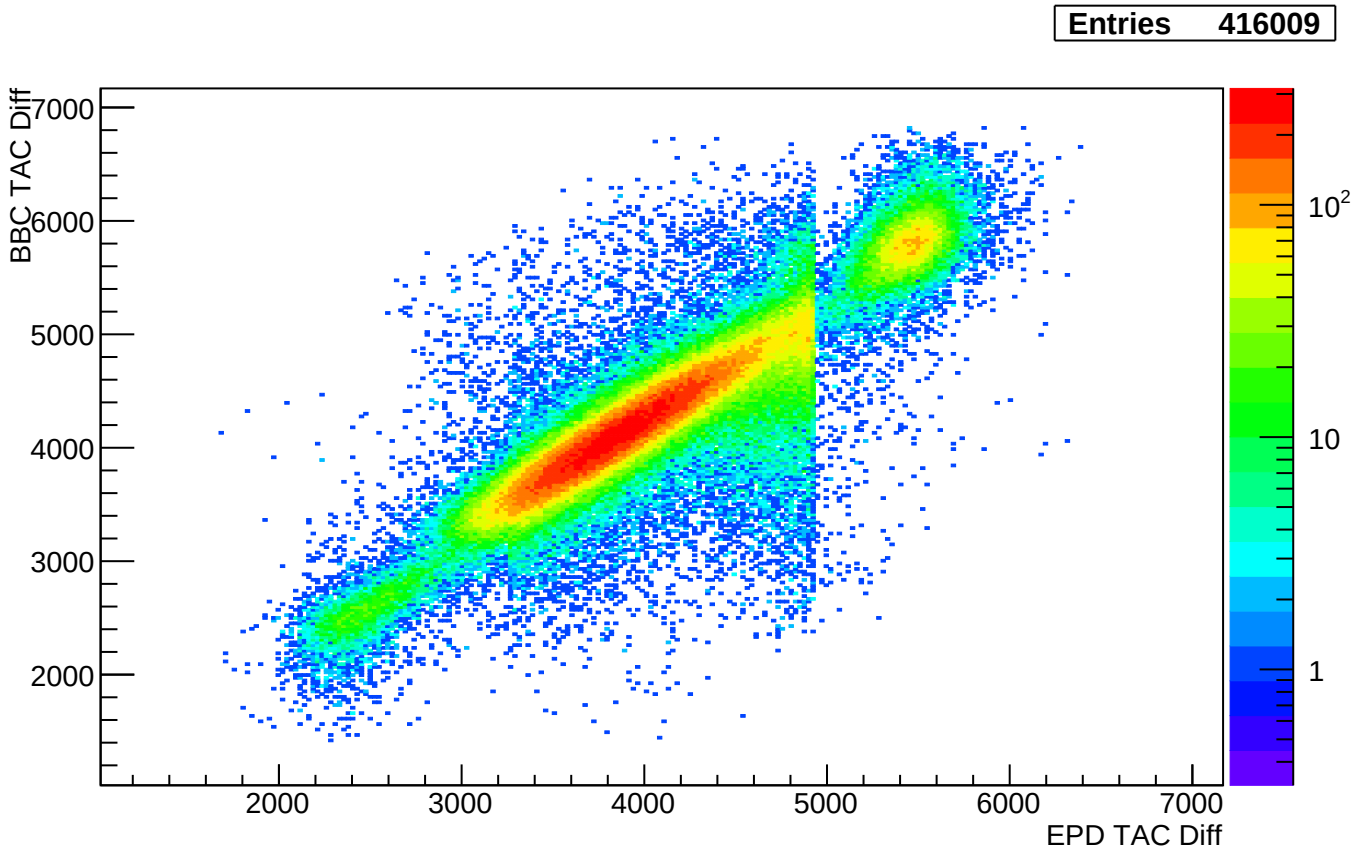

Entries 416009
TOF_Mult
BBC-S-West ADC Sum

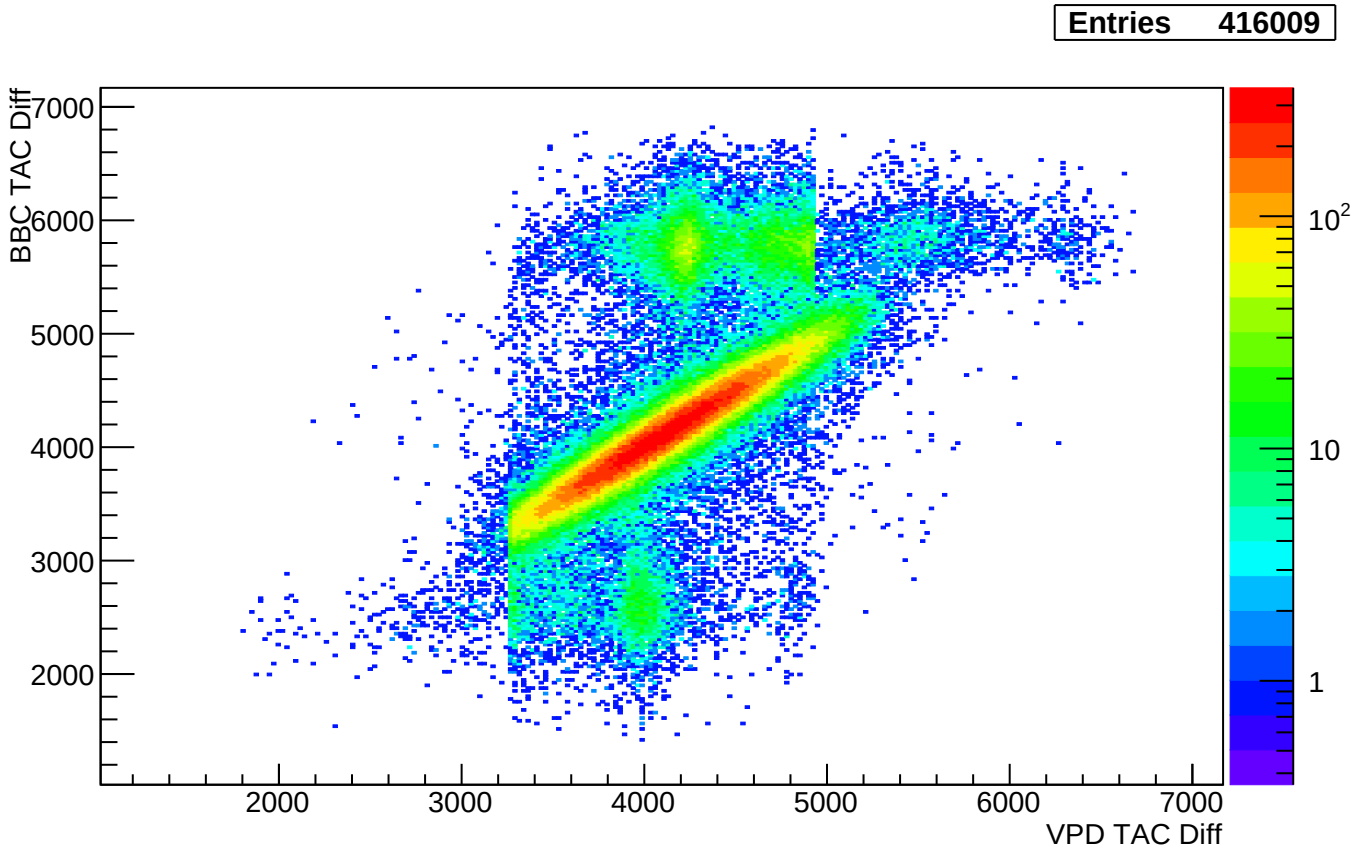

Entries 416009
TOF_Mult
EPD-East Hit Cnt

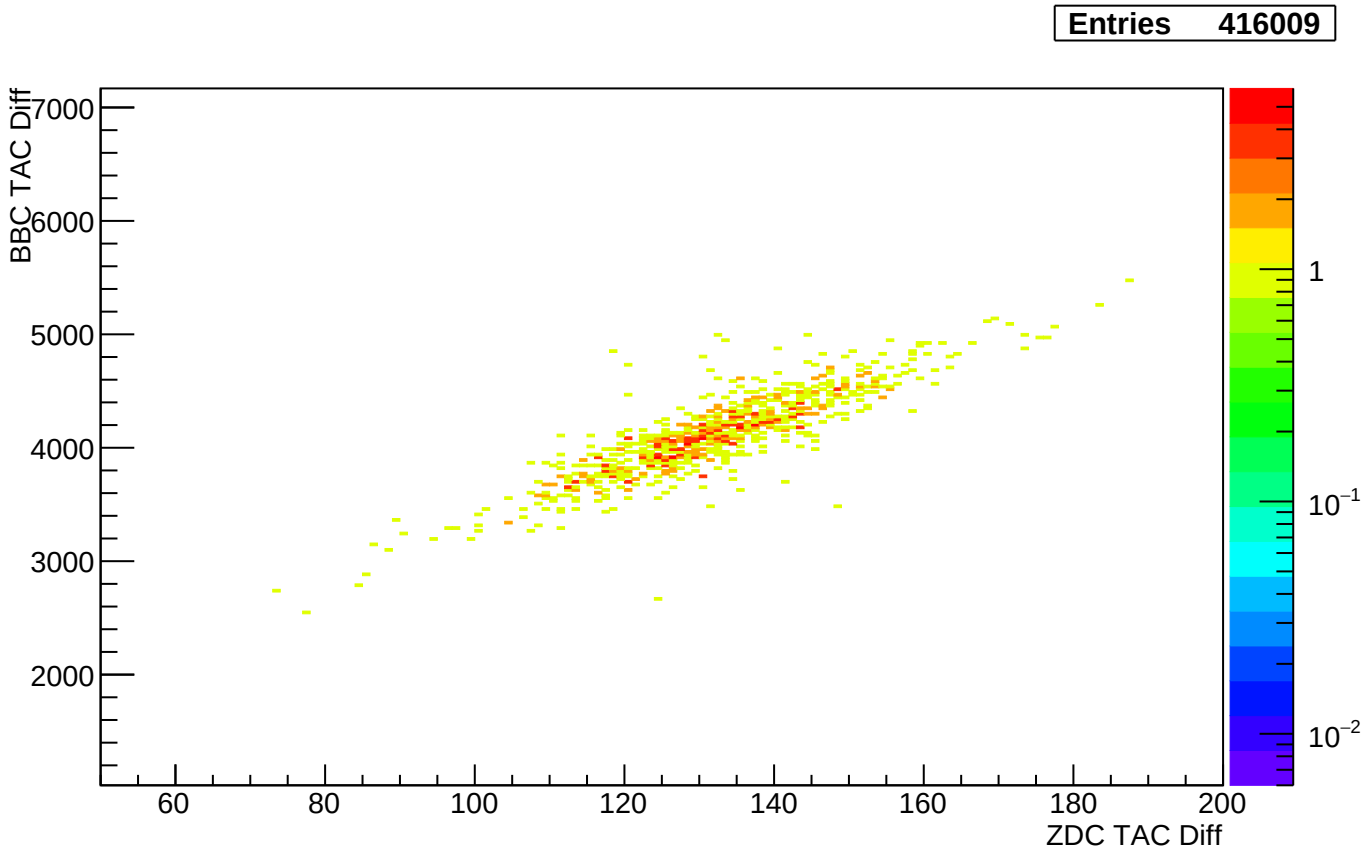

Entries 416009
TOF_Mult
EPD-West Hit Cnt

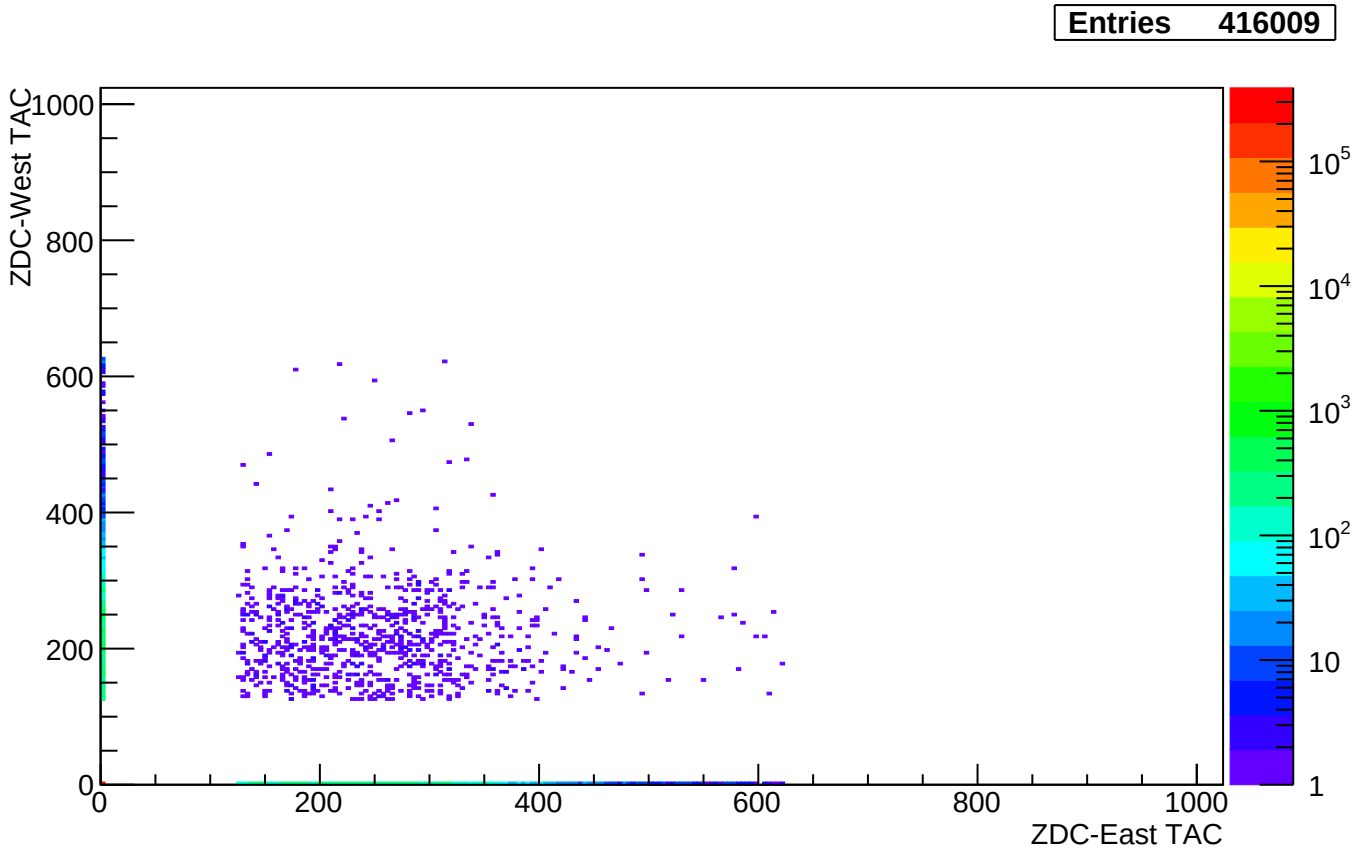

Entries 416009
TOF_Mult
VPD-East ADC Sum

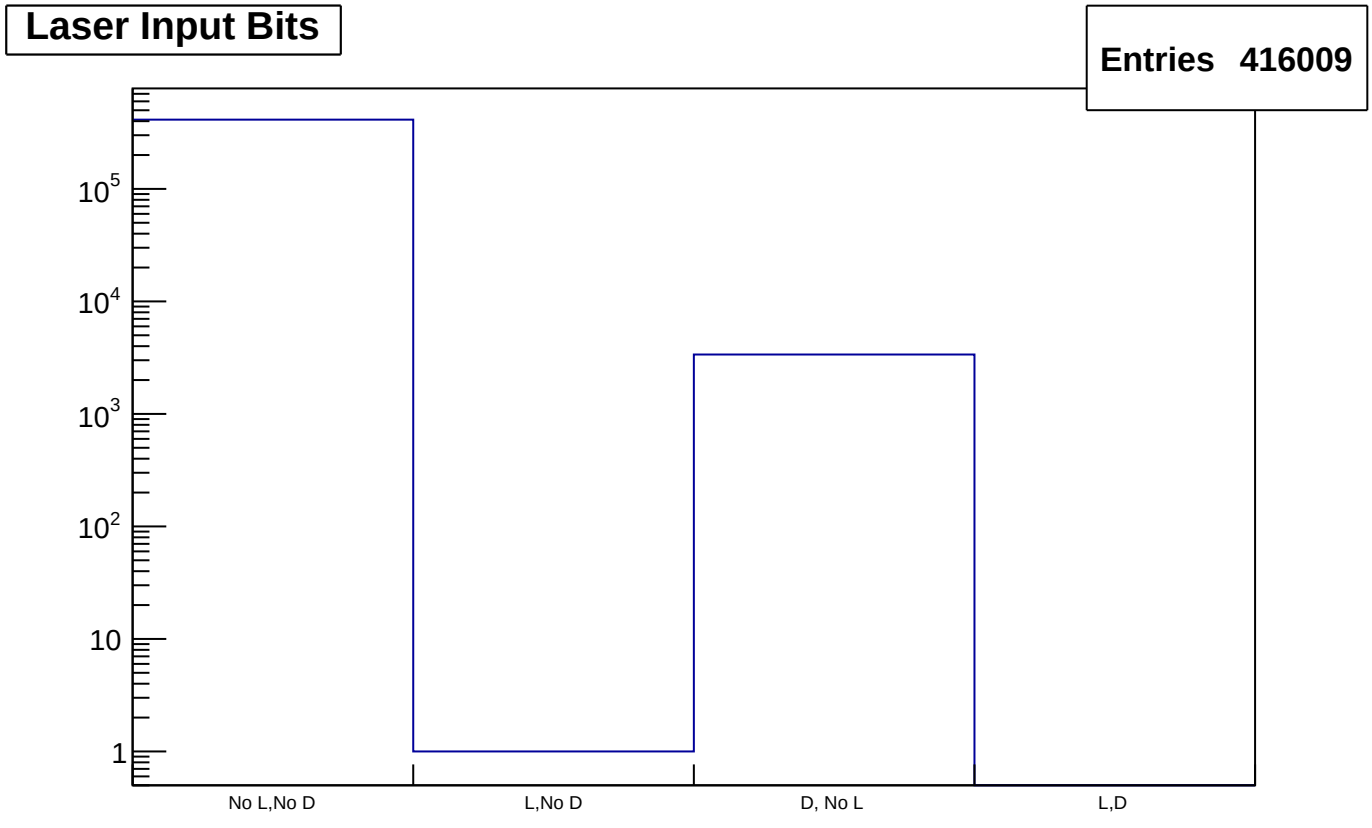

Entries 416009
TOF_Mult
VPD-West ADC Sum

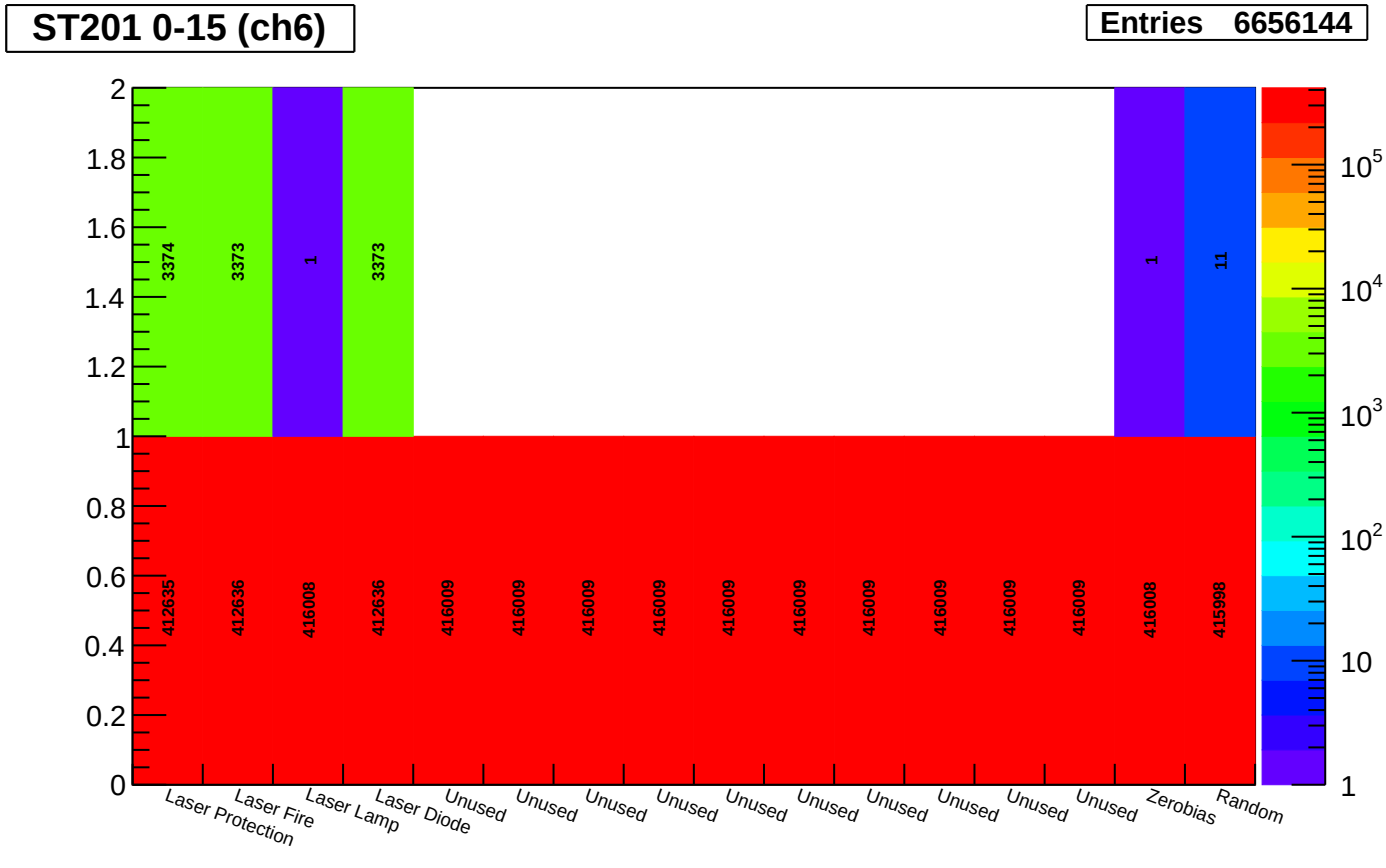

Entries 416009
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

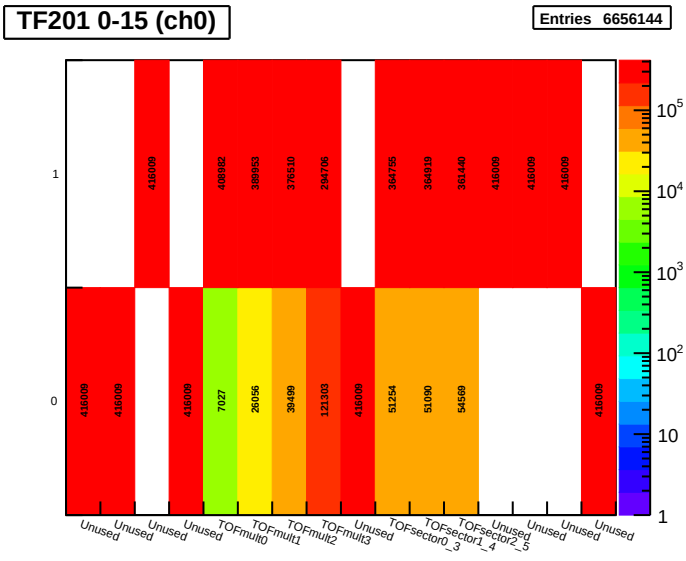

Entries 416009
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

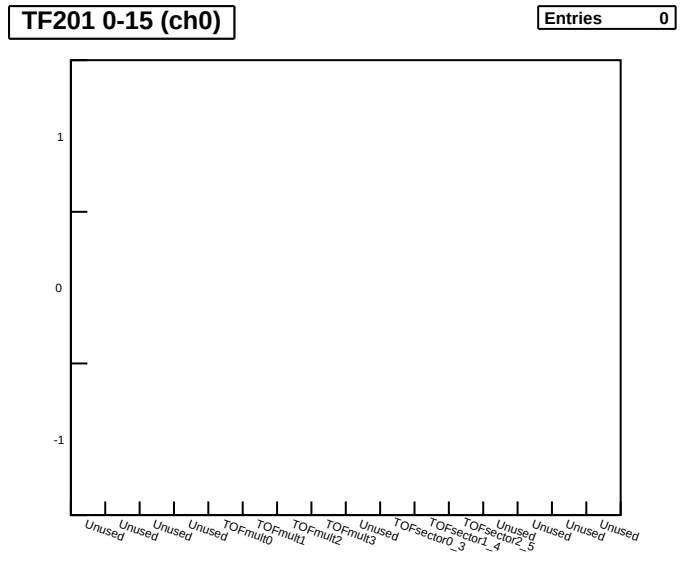

Entries 416009
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

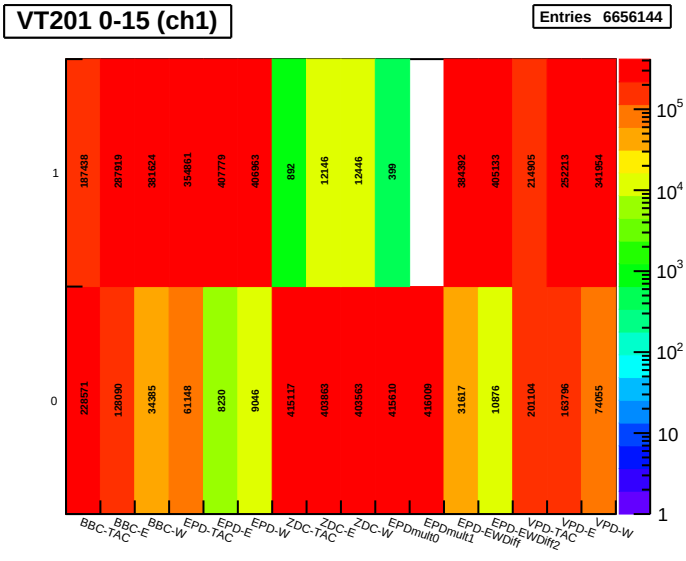

Entries 416009
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

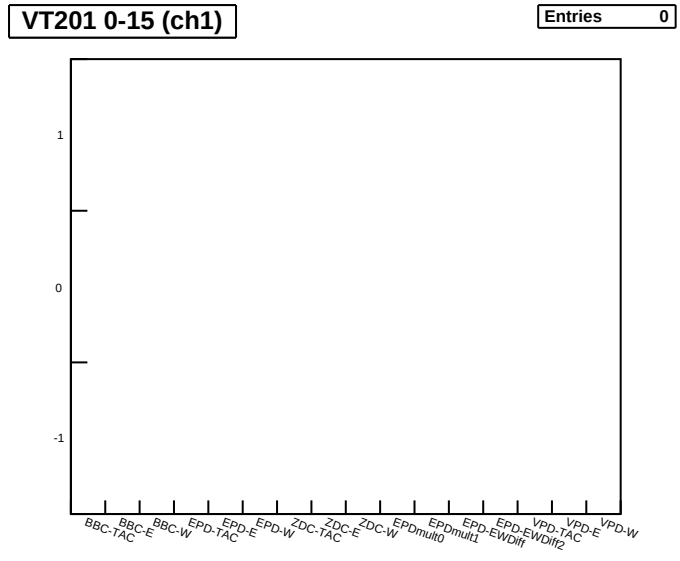

Laser Input Bits
Entries 416009
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

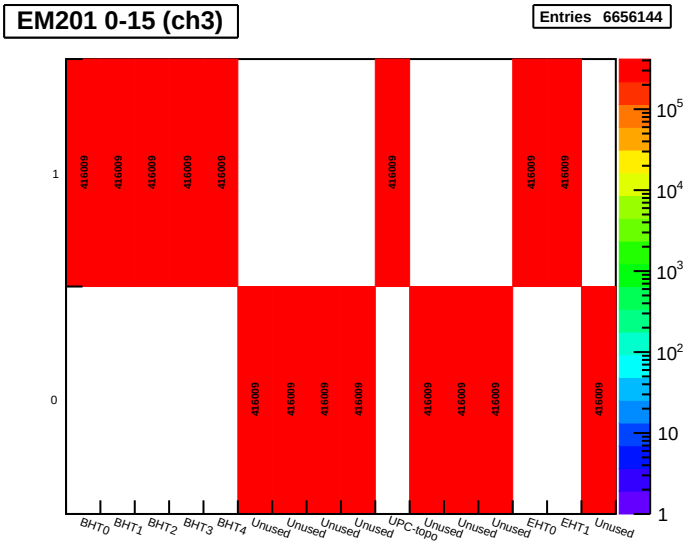

ST201 0-15 (ch6)
Entries 6656144
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3374
3373
1
3373
1
11
412635
412636
416008
412636
416009
416009
416009
416009
416009
416009
416009
416009
416009
416009
416008
415998
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

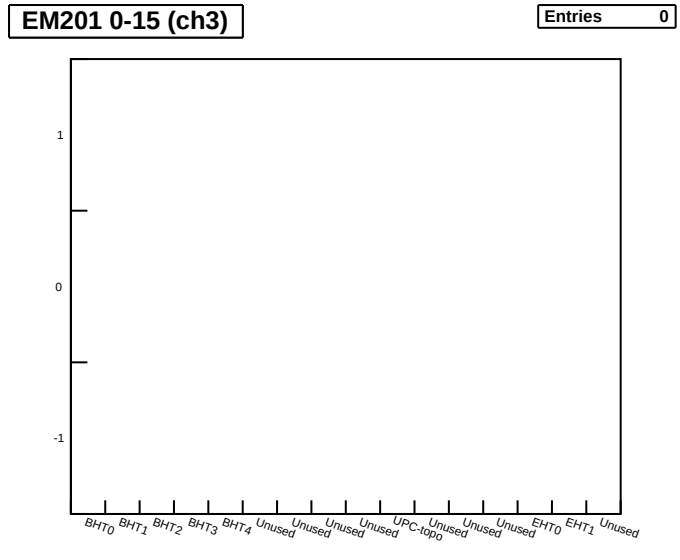

TF201 0-15 (ch0)
Entries 6656144
1
0
416009
408982
389953
376510
294706
364755
364919
361440
416009
416009
416009
416009
416009
416009
7027
26056
39499
121303
416009
51254
51090
54569
416009
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 6656144
1
0
187438
287919
361624
354861
407779
406963
892
12146
12446
399
384392
405133
214905
252213
341954
228571
128090
34385
61148
8230
9046
415117
403863
403563
415610
416009
31617
10876
201104
163796
74055
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 6656144
1
0
416009
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
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
UPC-topo
EHT0
EHT1