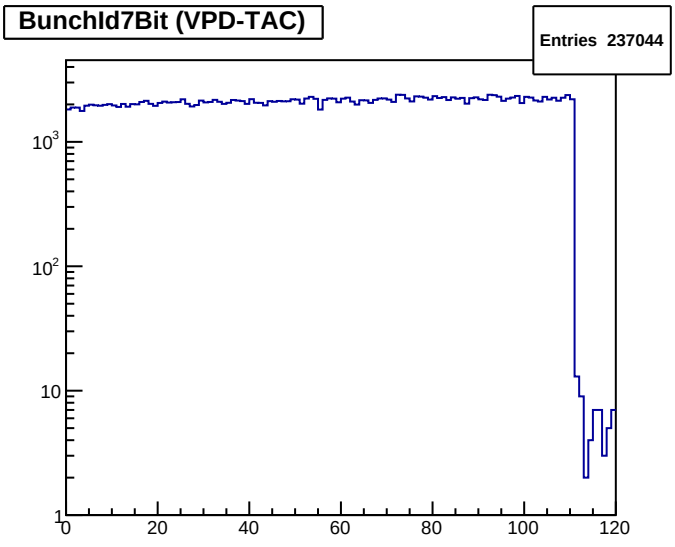
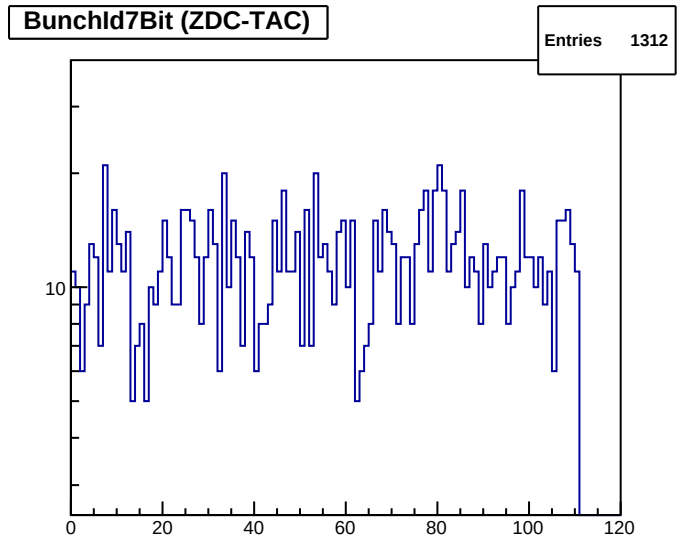
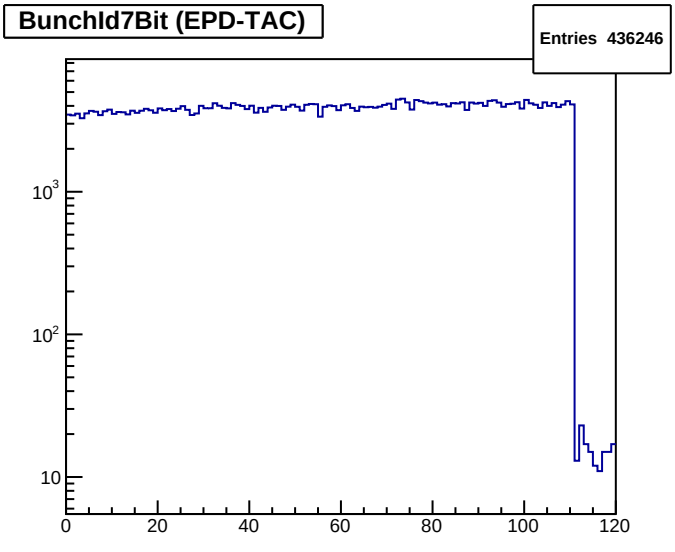
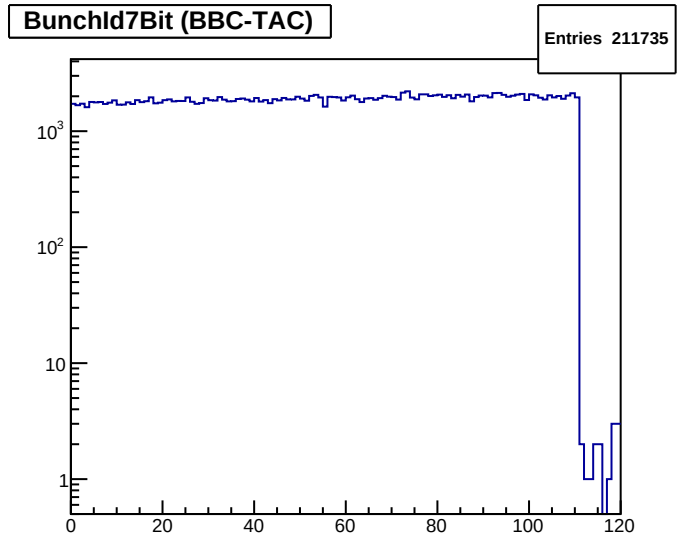
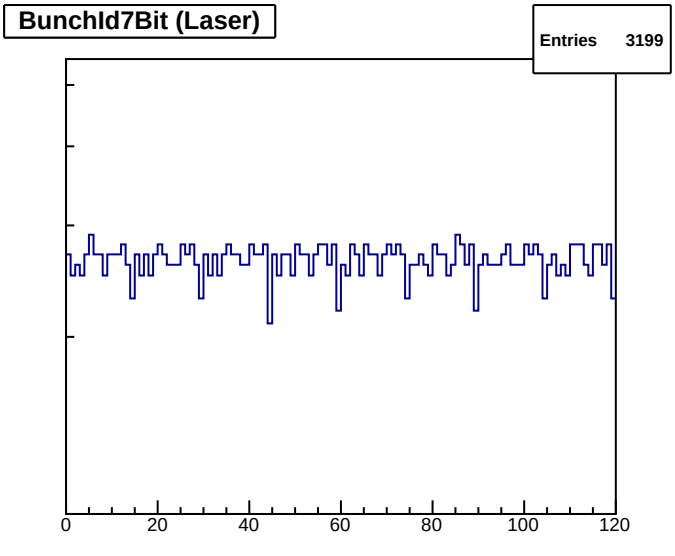
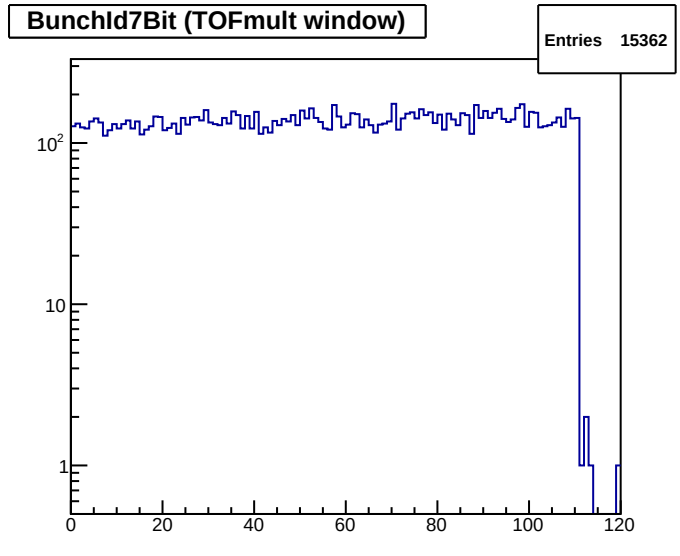

BunchId7Bit (VPD-TAC)
Entries 237044
$10^3$
$10^2$
10
1
0
20
40
60
80
100
120

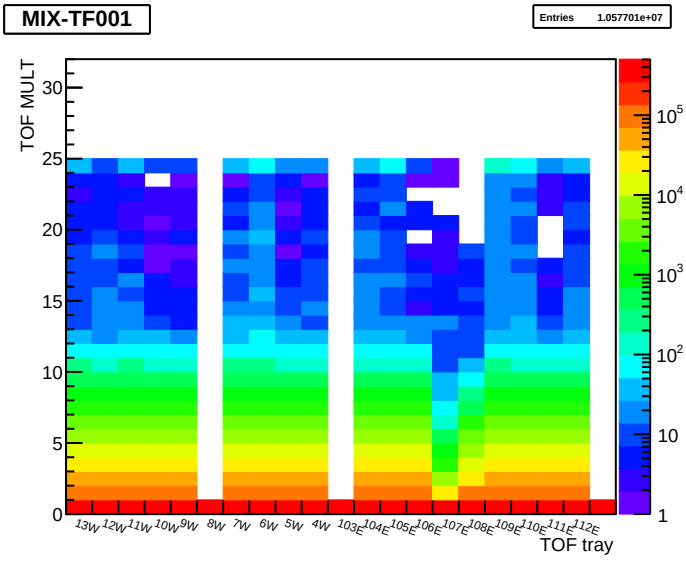

BunchId7Bit (ZDC-TAC)
Entries 1312
10
0
20
40
60
80
100
120

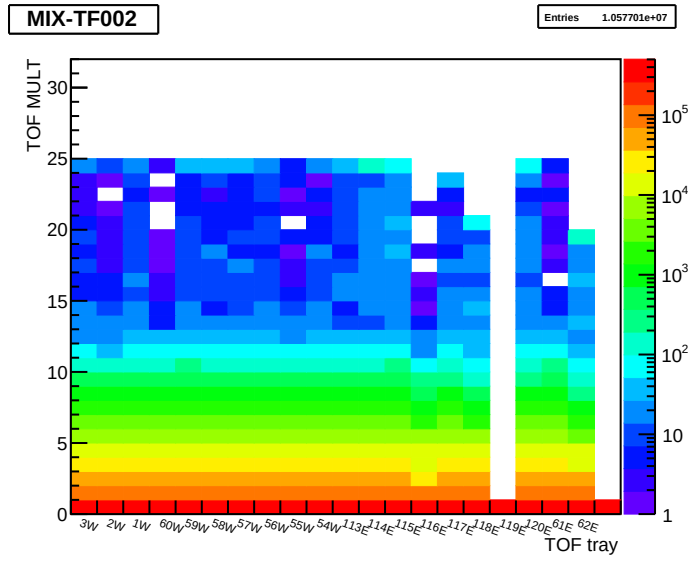

BunchId7Bit (EPD-TAC)
Entries 436246
$10^3$
$10^2$
10
0
20
40
60
80
100
120

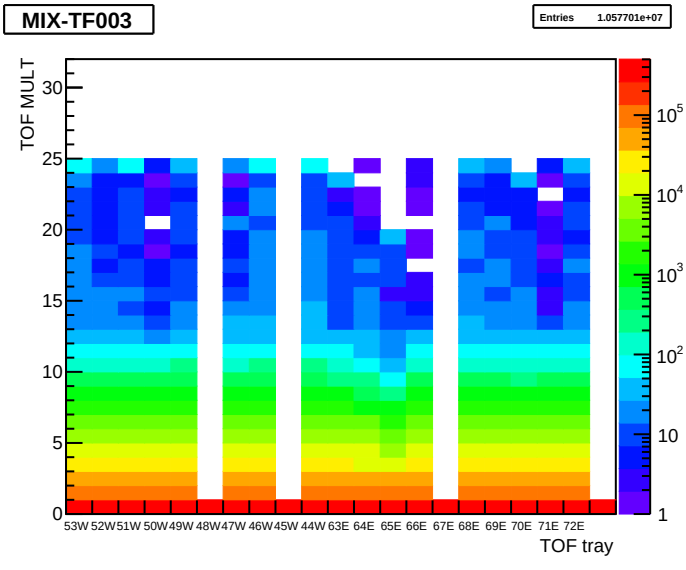

BunchId7Bit (BBC-TAC)
Entries 211735
$10^3$
$10^2$
10
1
0
20
40
60
80
100
120

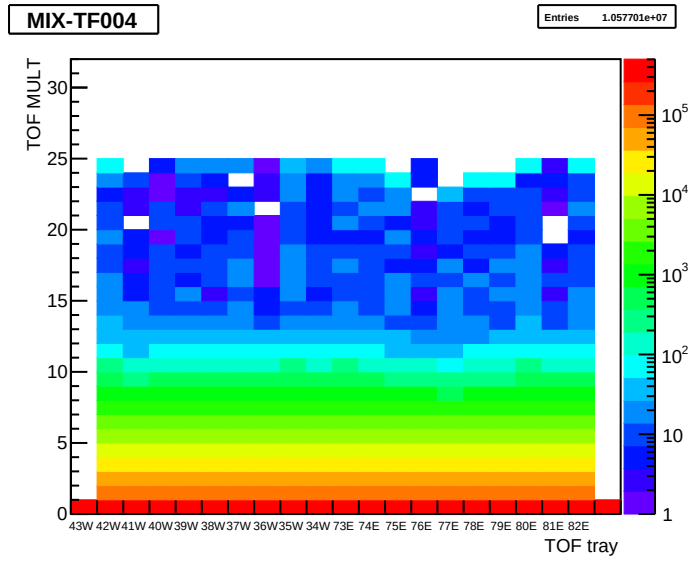

BunchId7Bit (Laser)
Entries 3199
0
20
40
60
80
100
120

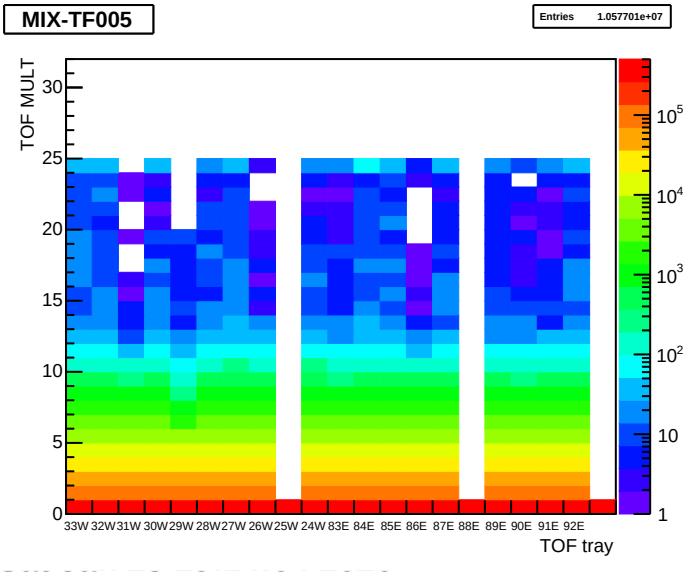

BunchId7Bit (TOFmult window)
Entries 15362
$10^2$
10
1
0
20
40
60
80
100
120

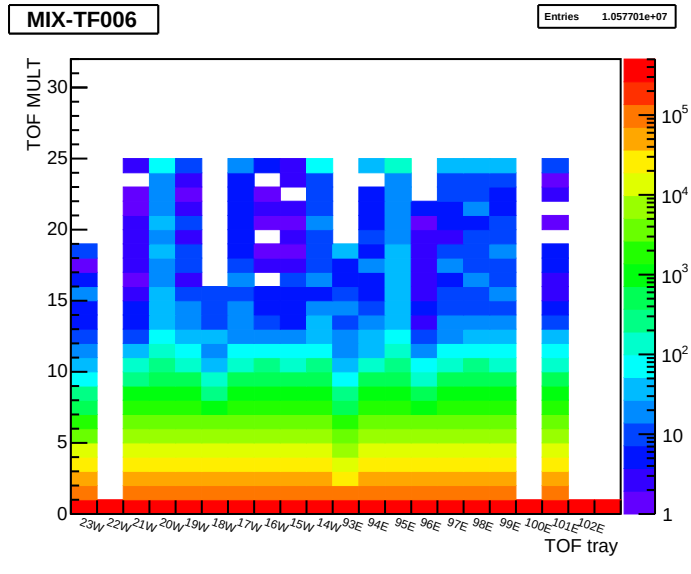

MIX-TF001
Entries 1.057701e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

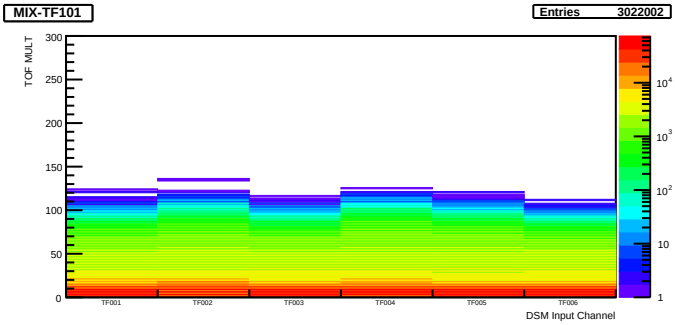

MIX-TF002
Entries 1.057701e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

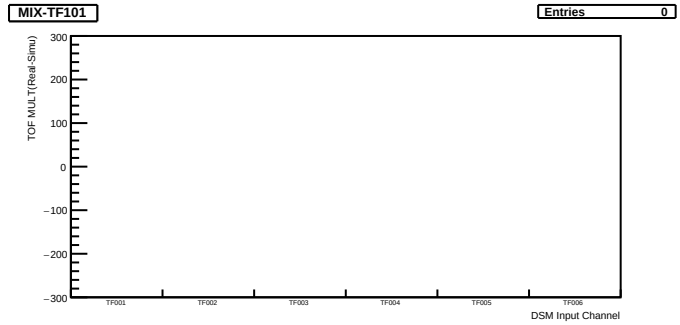

MIX-TF003
Entries 1.057701e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

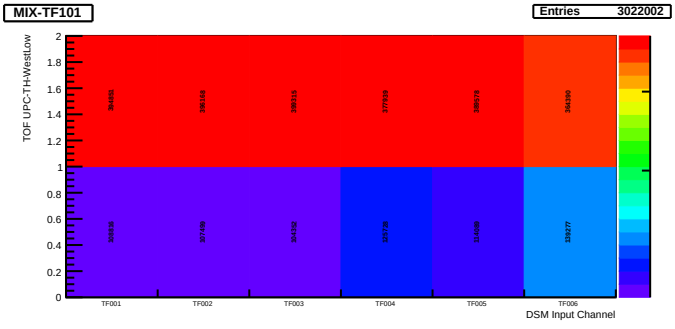

MIX-TF004
Entries 1.057701e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

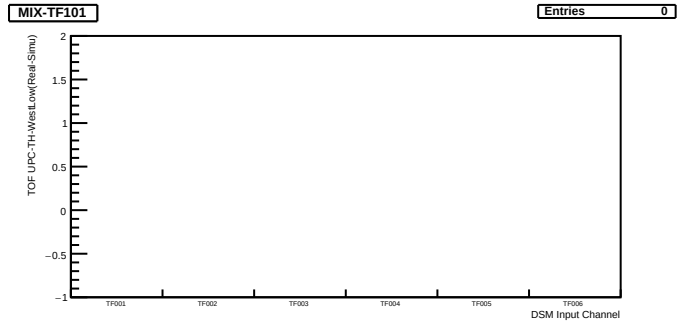

MIX-TF005
Entries 1.057701e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

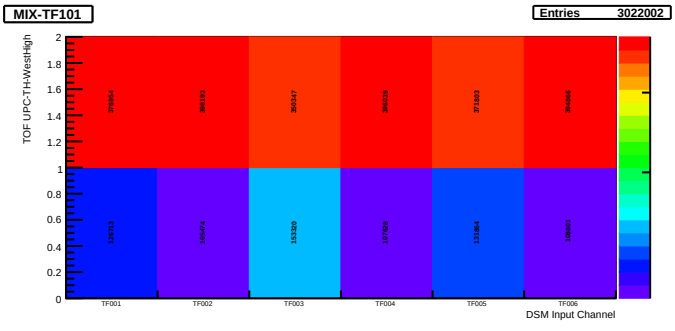

MIX-TF006
Entries 1.057701e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

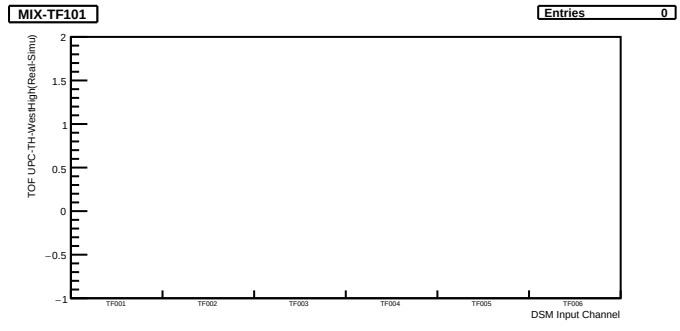

MIX-TF101
Entries 3022002
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

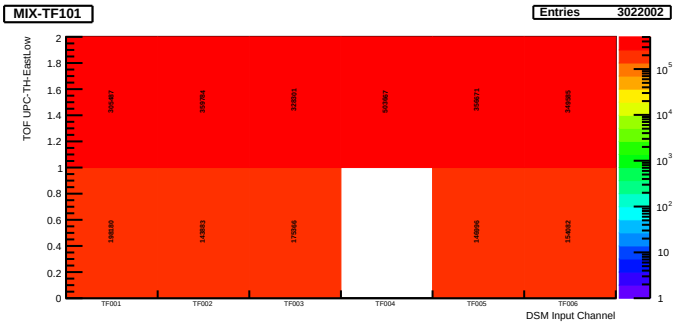

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

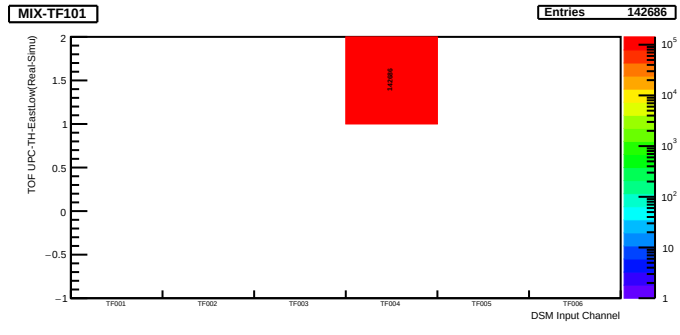

MIX-TF101
Entries 3022002
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

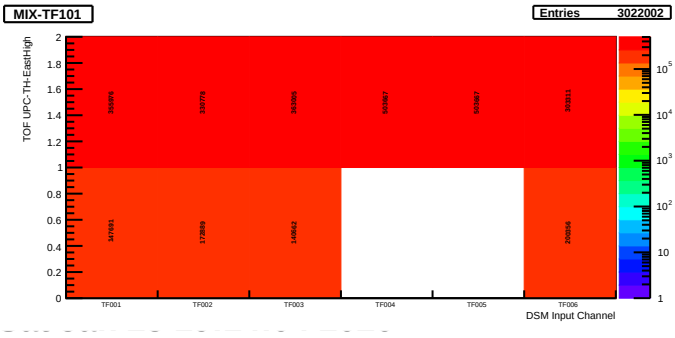

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

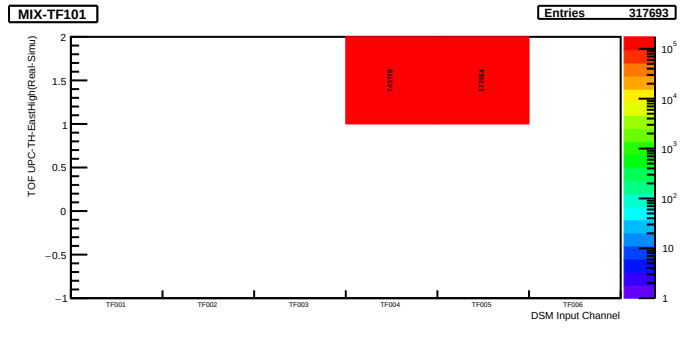

MIX-TF101
Entries 3022002
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

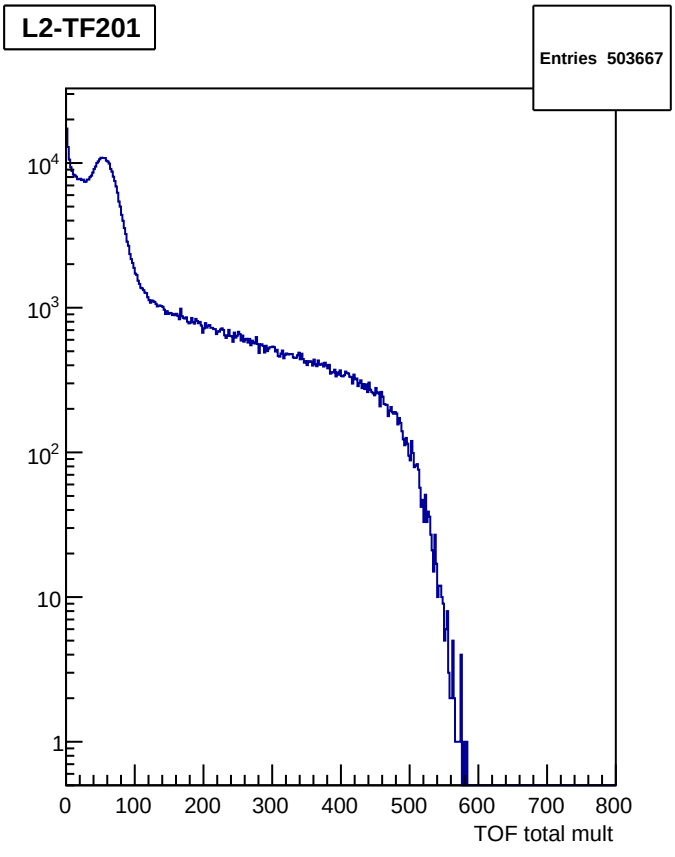

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

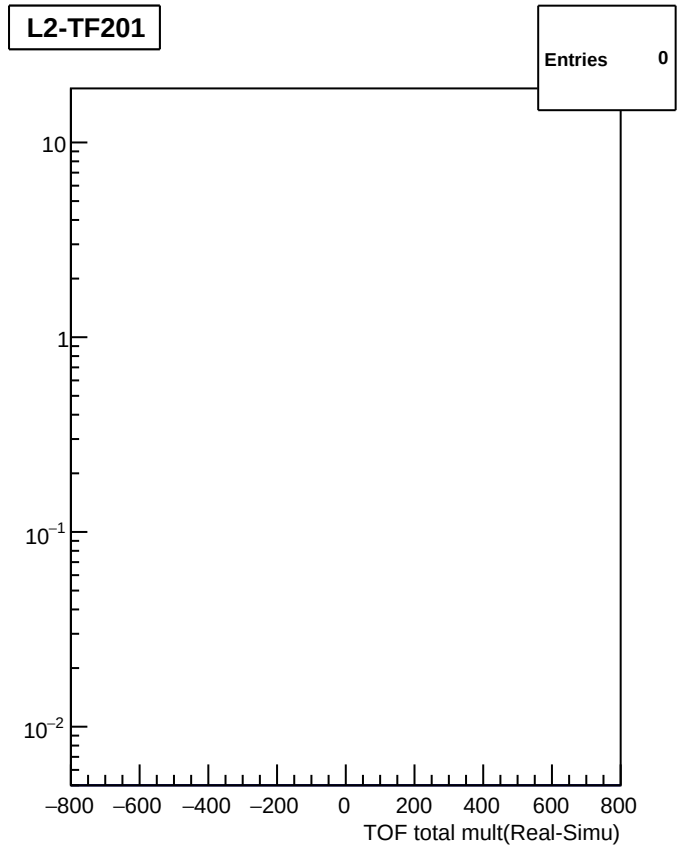

MIX-TF101
Entries 3022002
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

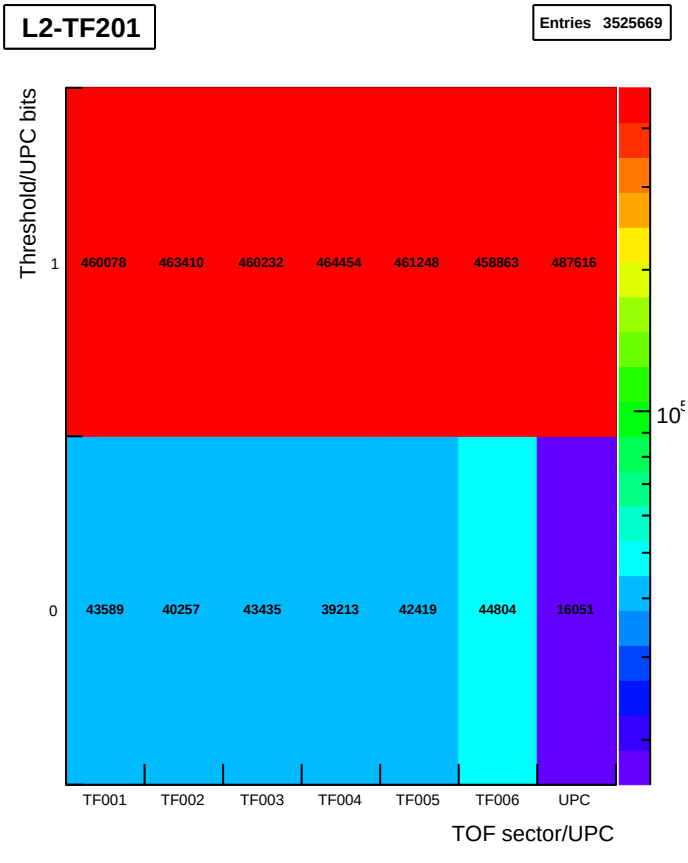

MIX-TF101
Entries 142686
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

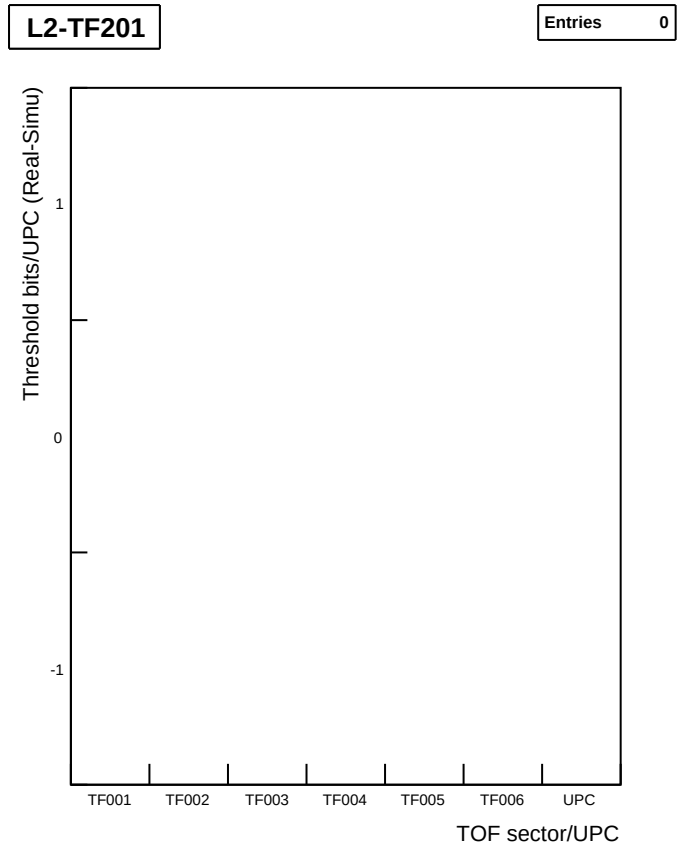

MIX-TF101
Entries 3022002
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

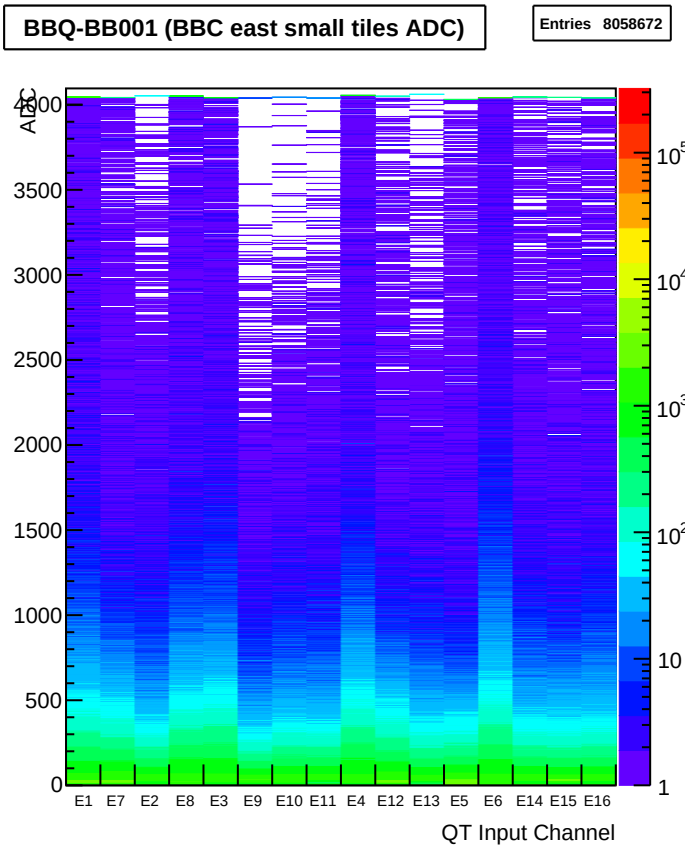

MIX-TF101
Entries 317693
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

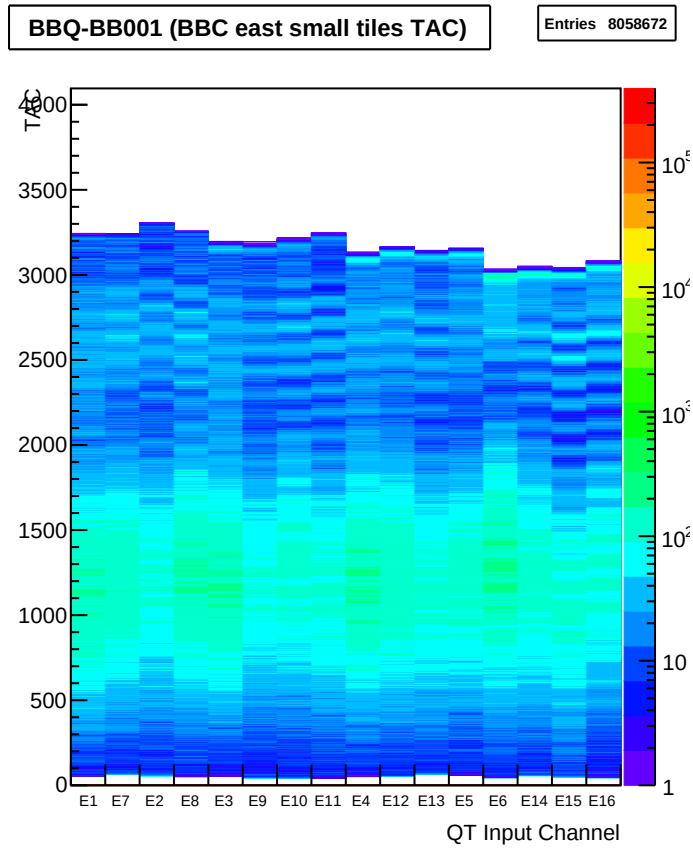

L2-TF201
Entries 503667
TOF total mult

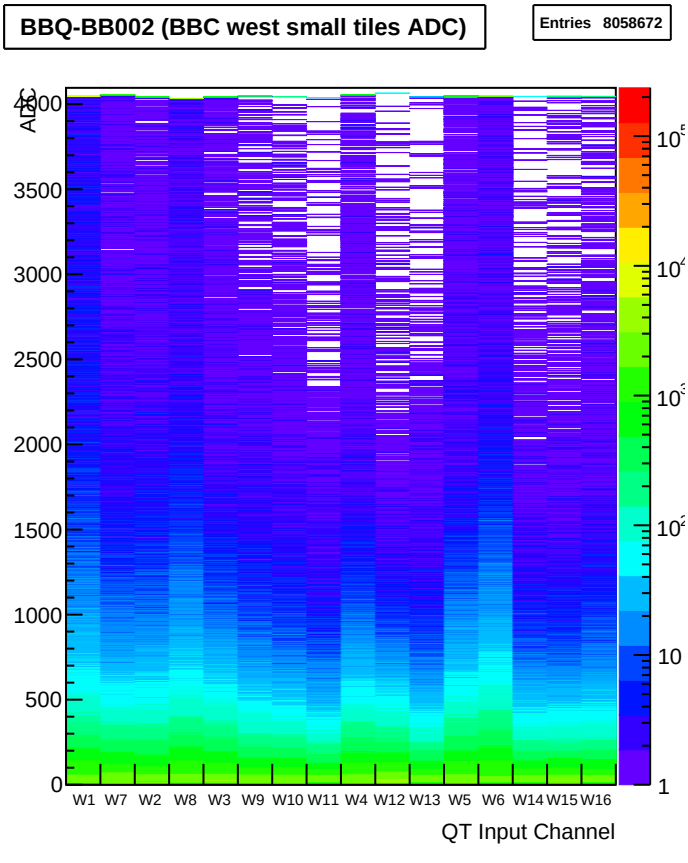

L2-TF201
Entries 0
TOF total mult(Real-Simu)

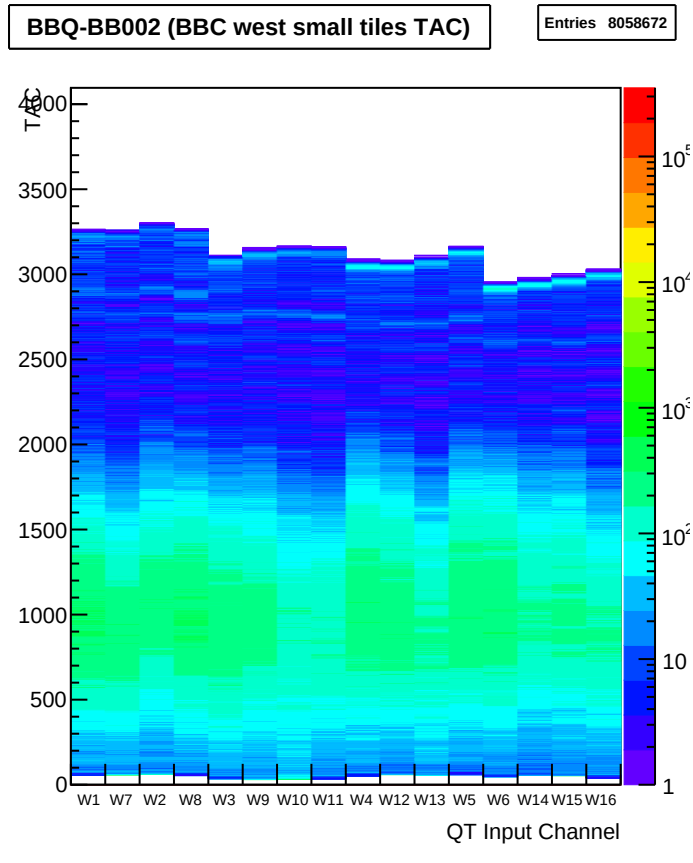

L2-TF201
Entries 3525669
Threshold/UPC bits
460078
463410
460232
464454
461248
458863
487616
43589
40257
43435
39213
42419
44804
16051
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

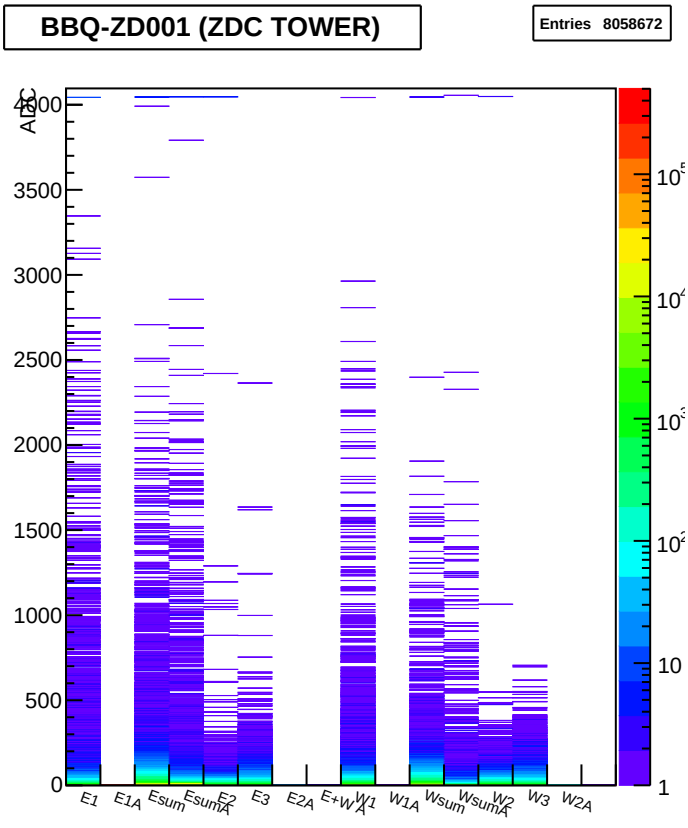

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

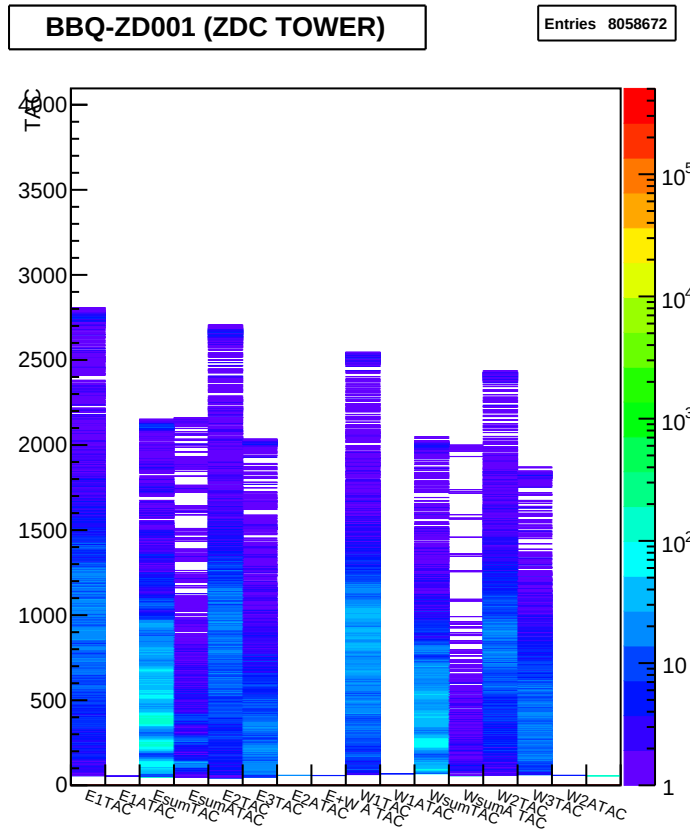

BBQ-BB001 (BBC east small tiles ADC)
Entries 8058672
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

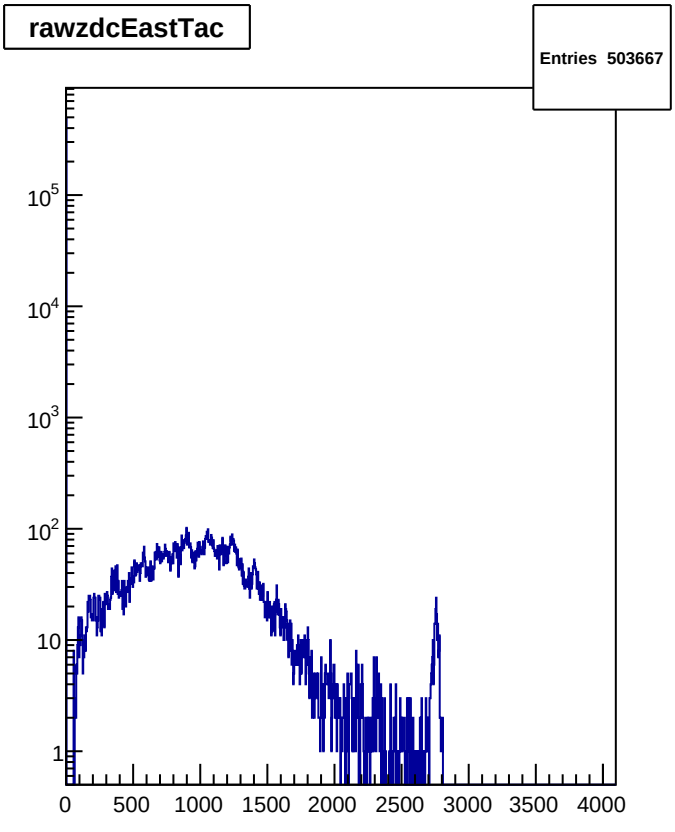

BBQ-BB001 (BBC east small tiles TAC)
Entries 8058672
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

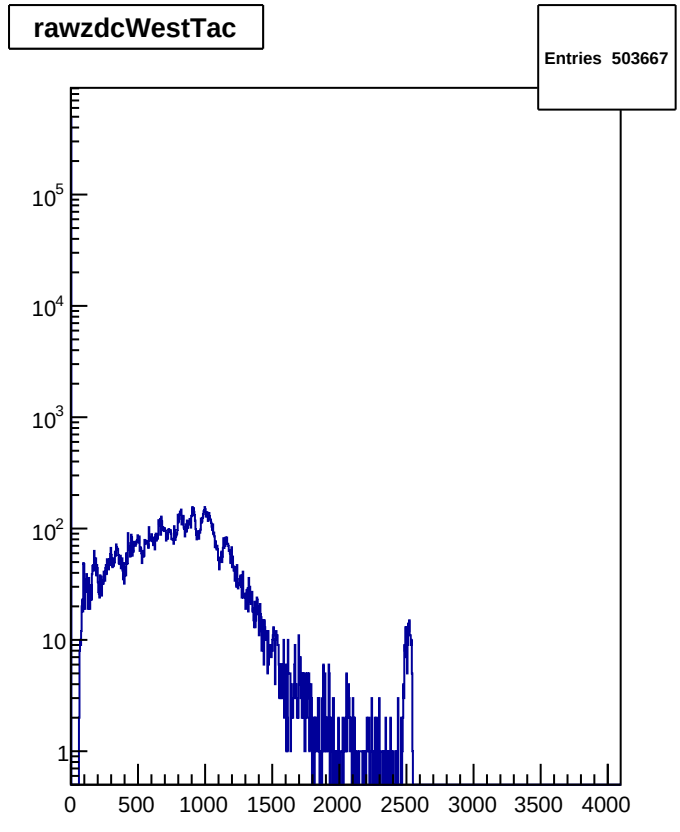

BBQ-BB002 (BBC west small tiles ADC)
Entries 8058672
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

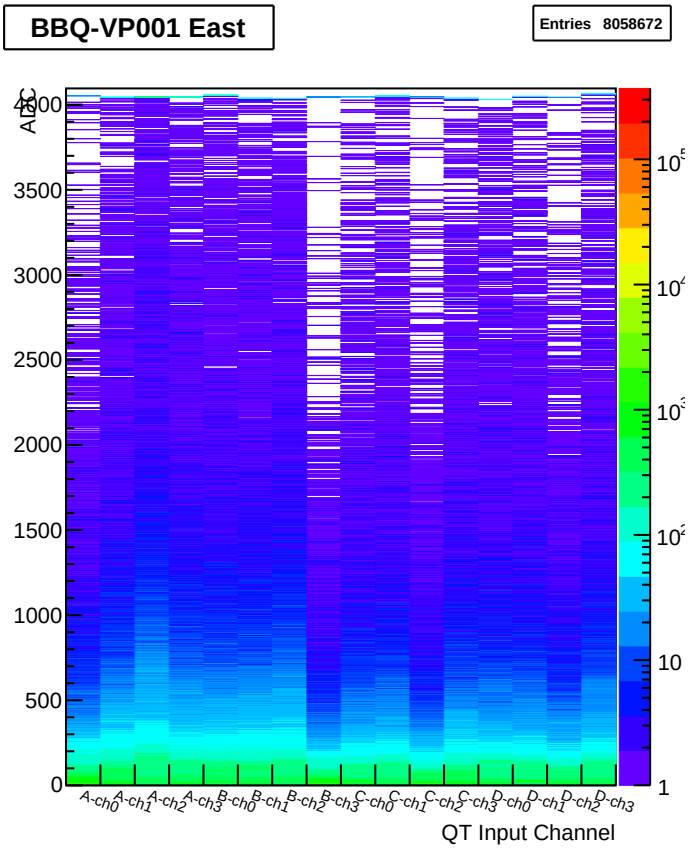

BBQ-BB002 (BBC west small tiles TAC)
Entries 8058672
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

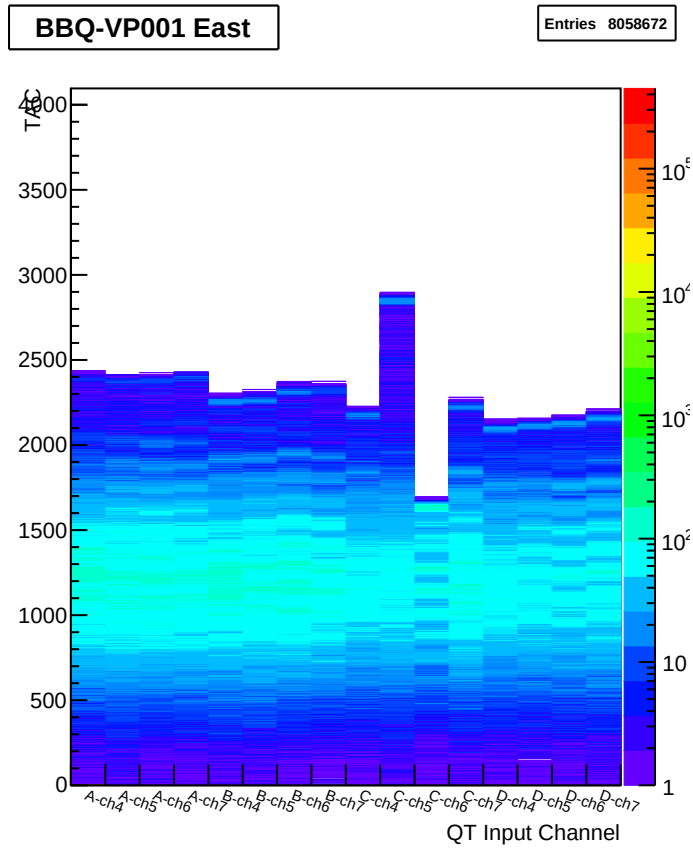

BBQ-ZD001 (ZDC TOWER)
Entries 8058672
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1A
W1A
Wsum
WsumA
W2
W3
W2A

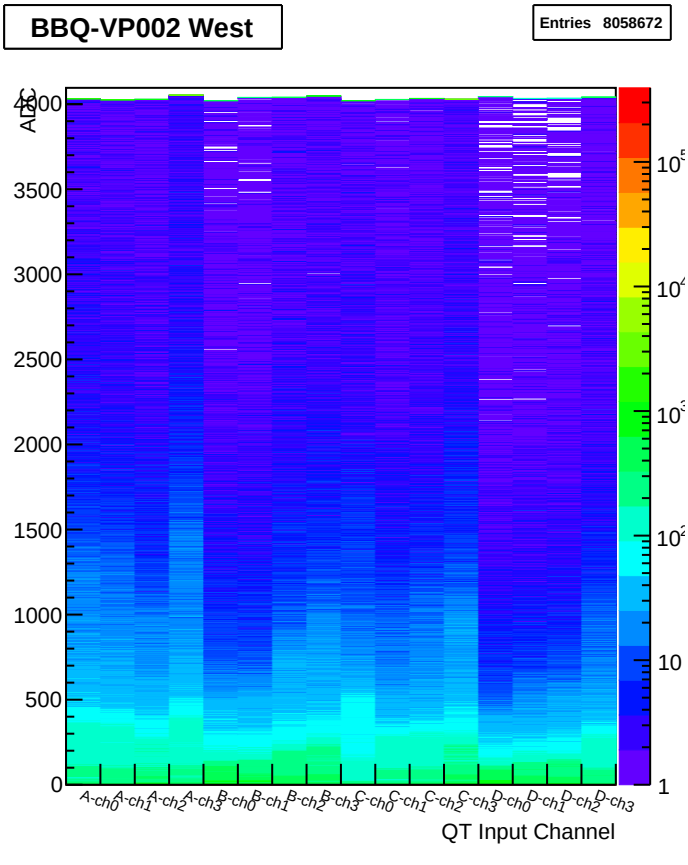

BBQ-ZD001 (ZDC TOWER)
Entries 8058672
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

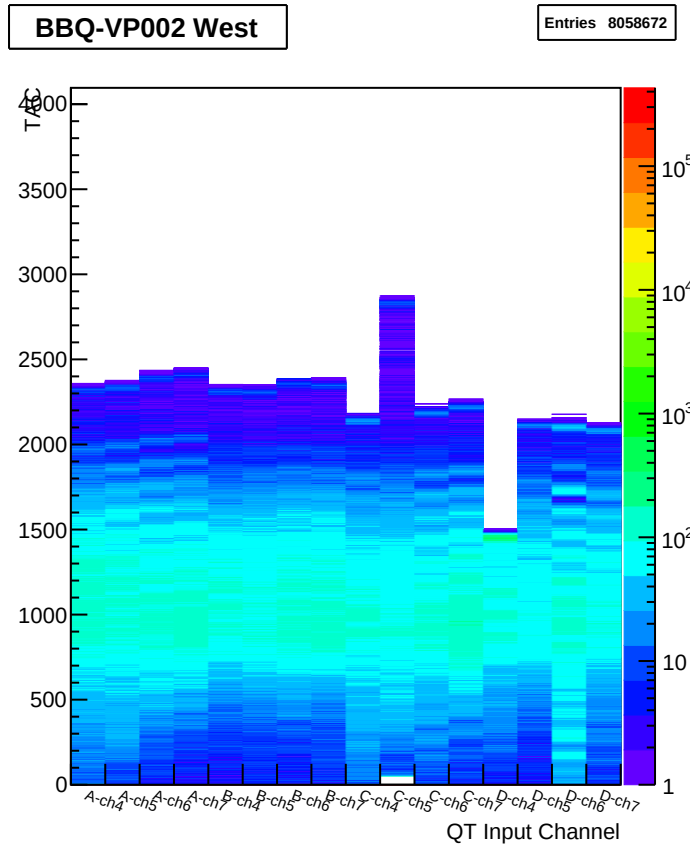

rawzdcEastTac
Entries 503667

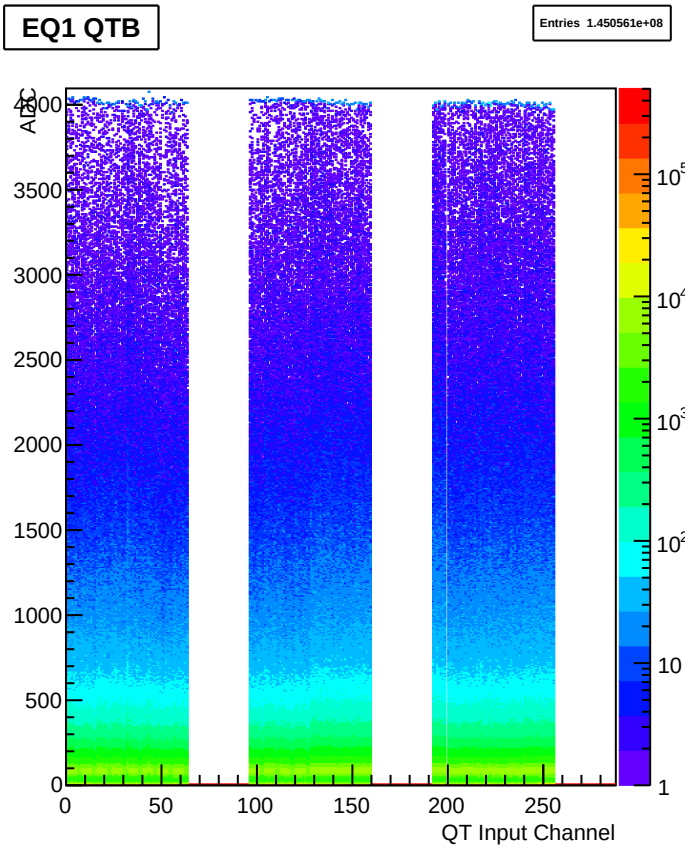

rawzdcWestTac
Entries 503667

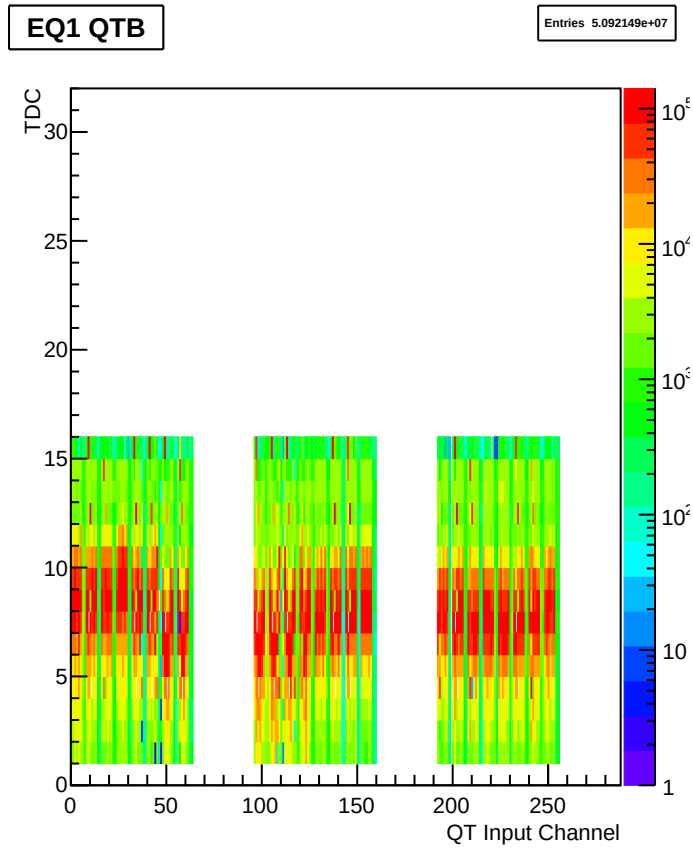

BBQ-VP001 East
Entries 8058672
ADC
QT Input Channel

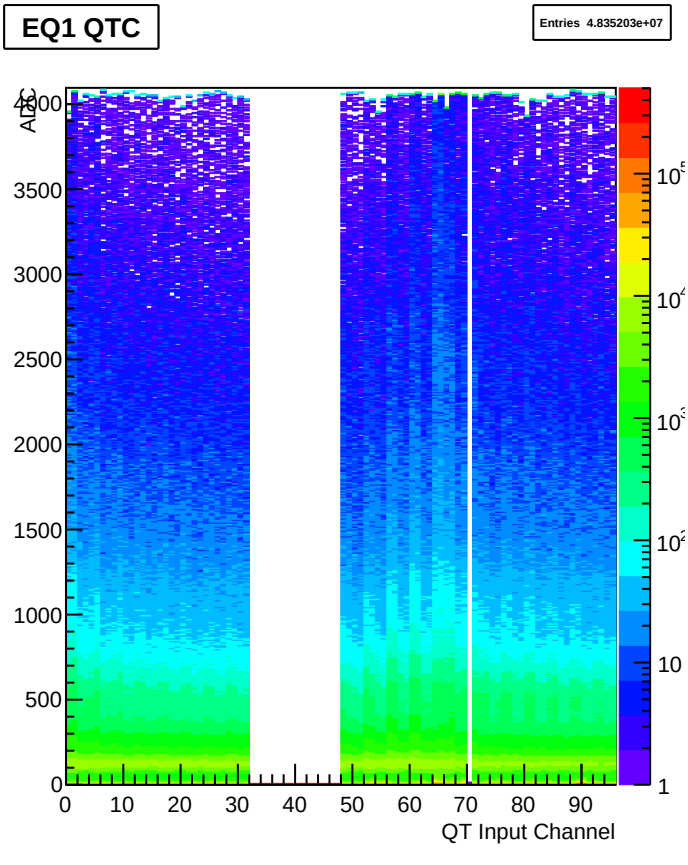

BBQ-VP001 East
Entries 8058672
ADC
QT Input Channel

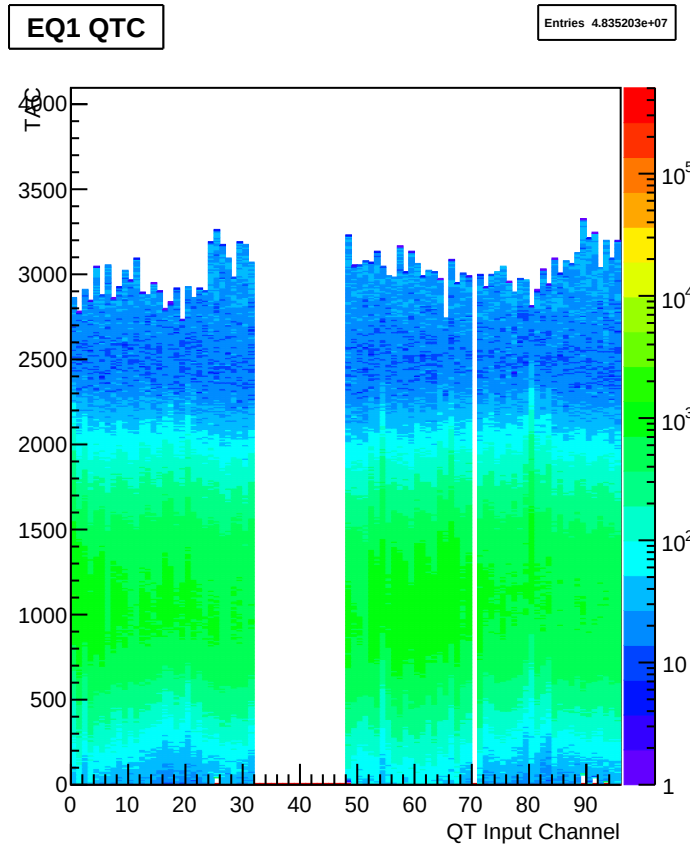

BBQ-VP002 West
Entries 8058672
ADC
QT Input Channel

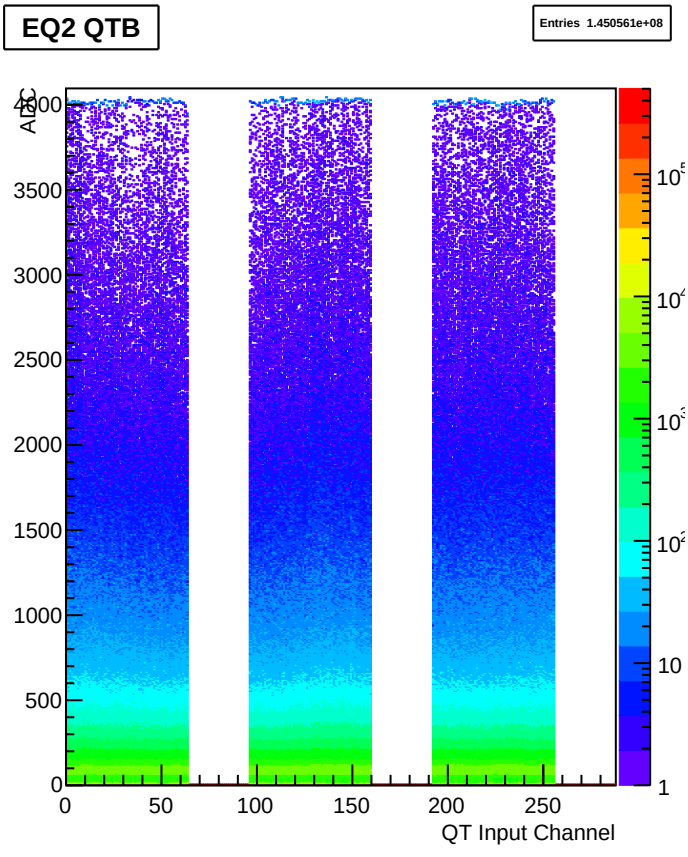

BBQ-VP002 West
Entries 8058672
ADC
QT Input Channel

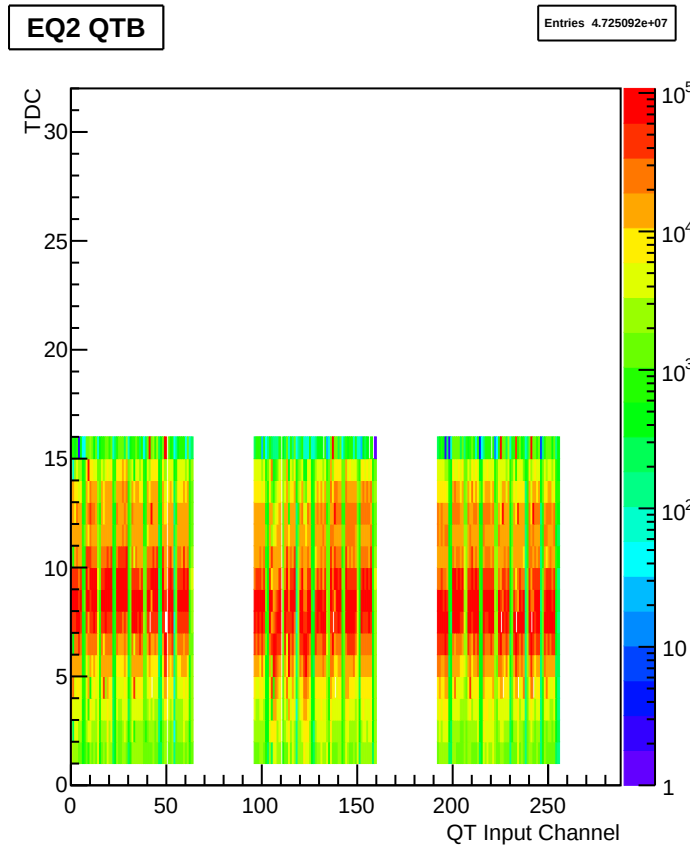

EQ1 QTB
Entries 1.450561e+08
ADC
QT Input Channel

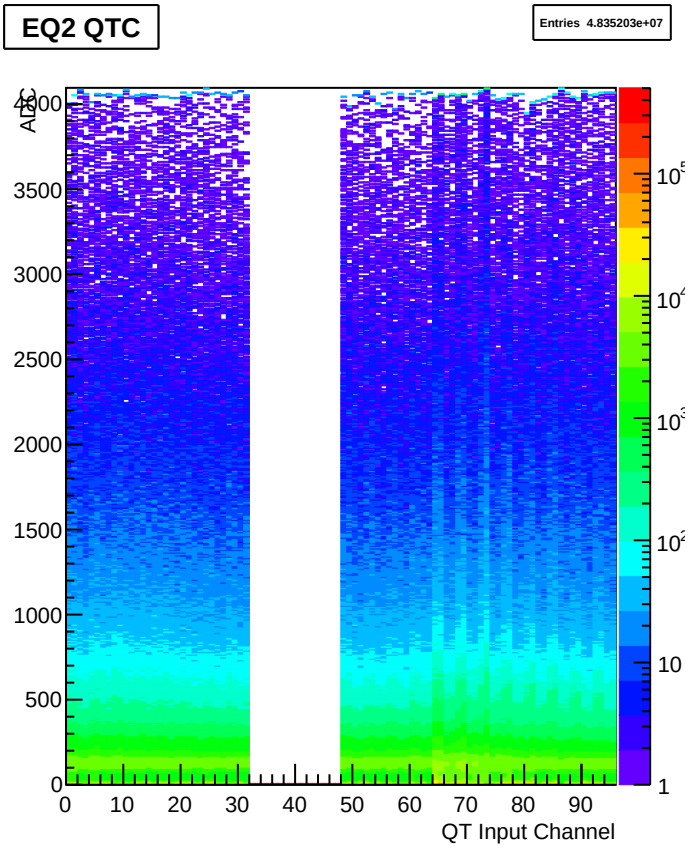

EQ1 QTB
Entries 5.092149e+07
TDC
QT Input Channel

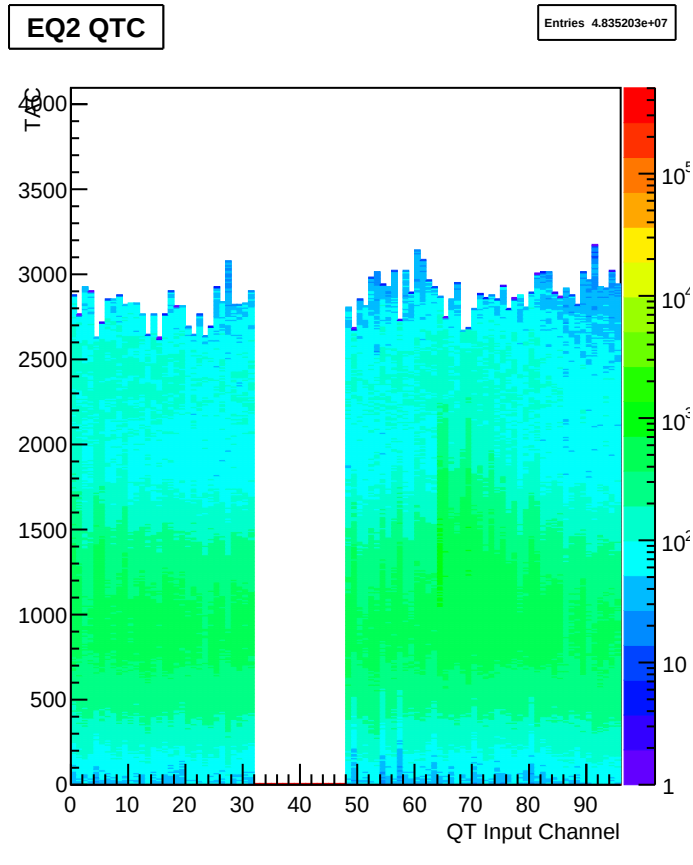

EQ1 QTC
Entries 4.835203e+07
ADC
QT Input Channel

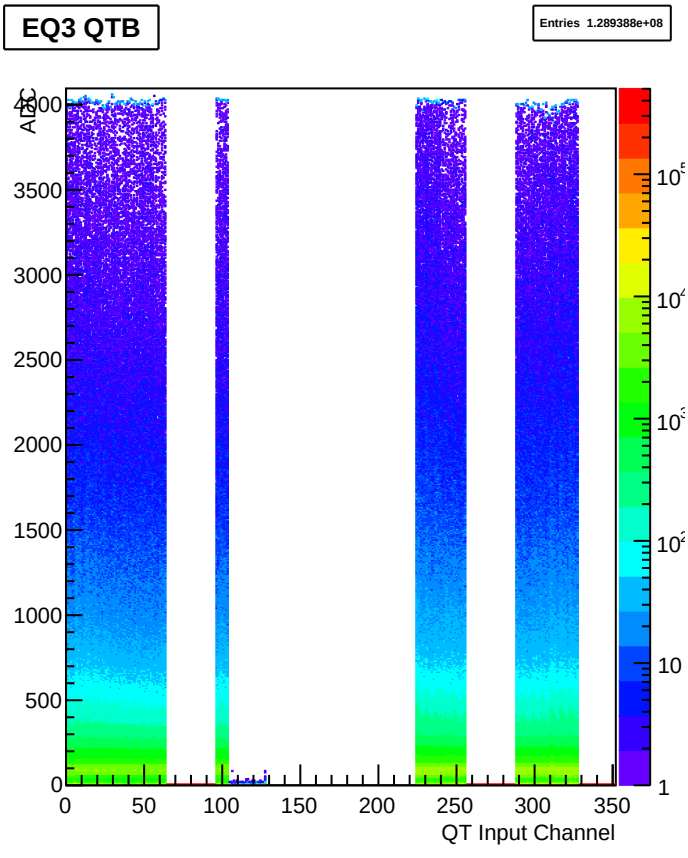

EQ1 QTC
Entries 4.835203e+07
TADC
QT Input Channel

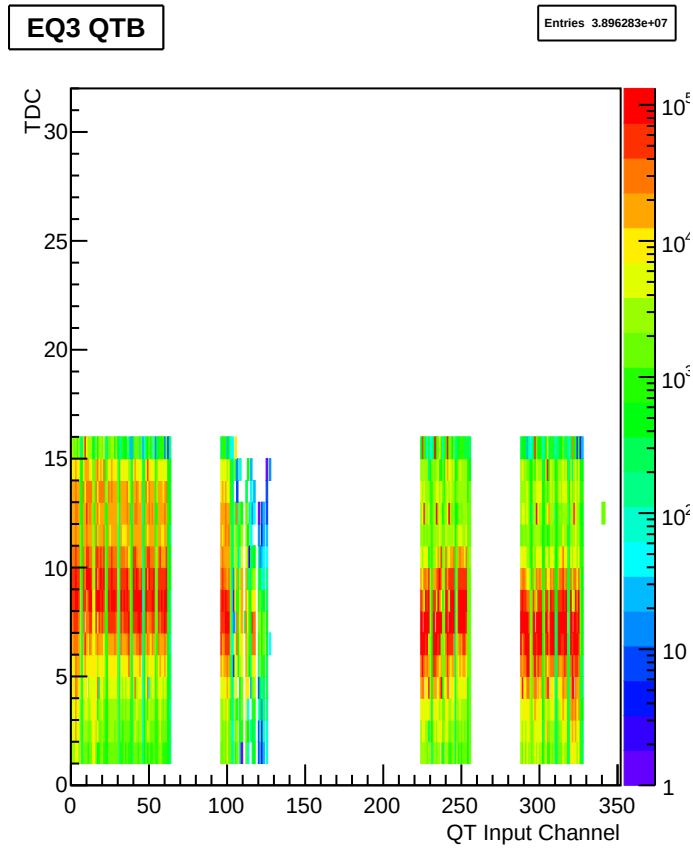

EQ2 QTB
Entries 1.450561e+08
ADC
QT Input Channel

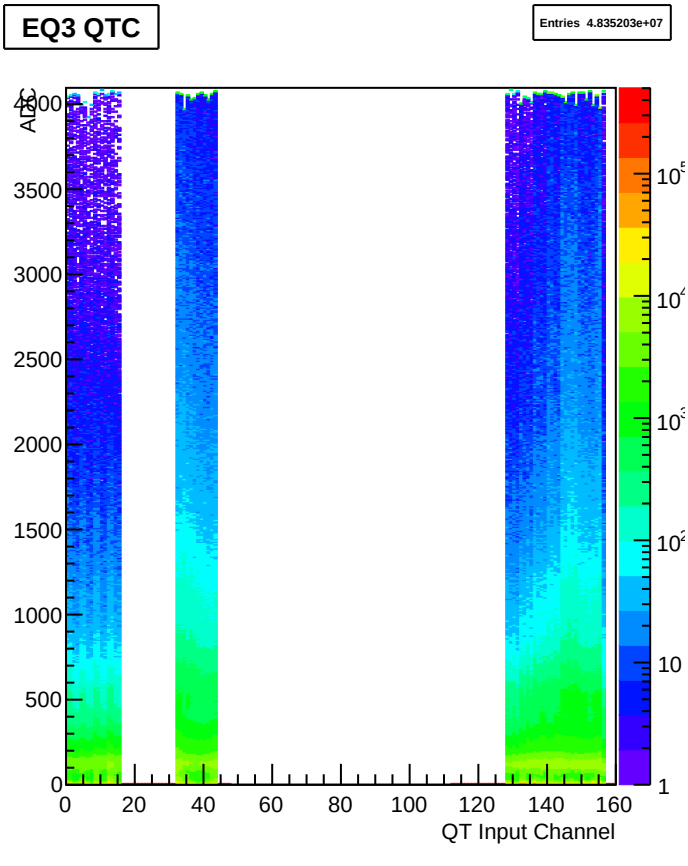

EQ2 QTB
Entries 4.725092e+07
TDC
QT Input Channel

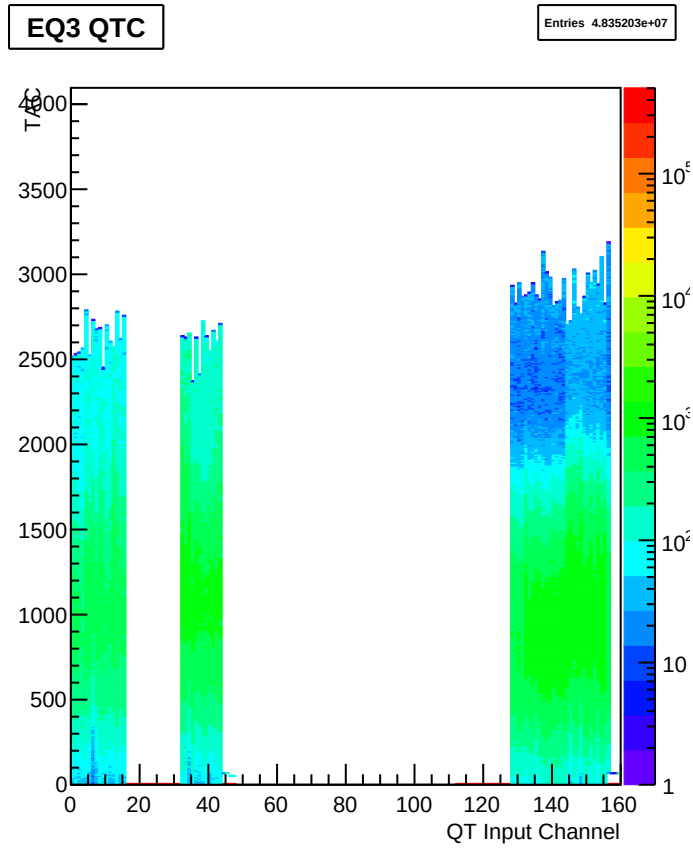

EQ2 QTC
Entries 4.835203e+07
ADC
QT Input Channel

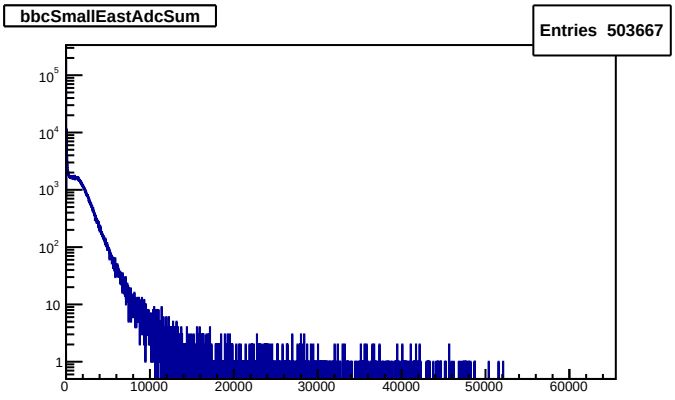

EQ2 QTC
Entries 4.835203e+07
TADC
QT Input Channel

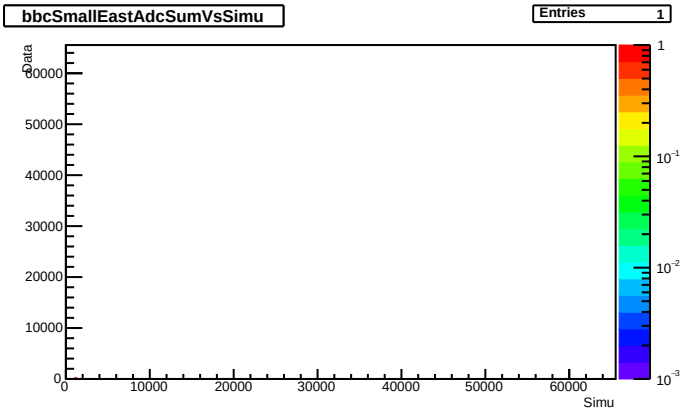

EQ3 QTB
Entries 1.289388e+08
ADC
QT Input Channel

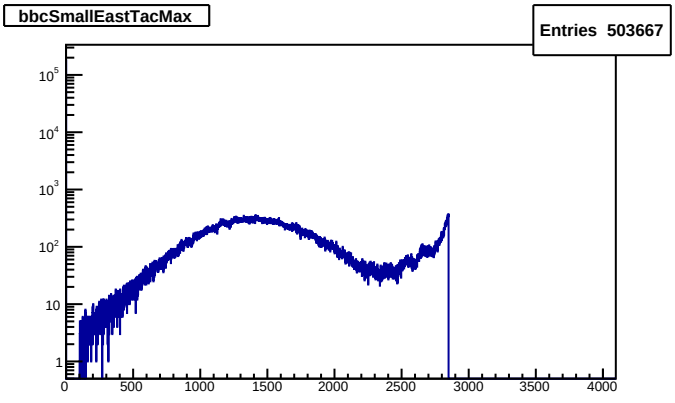

EQ3 QTB
Entries 3.896283e+07
TDC
QT Input Channel

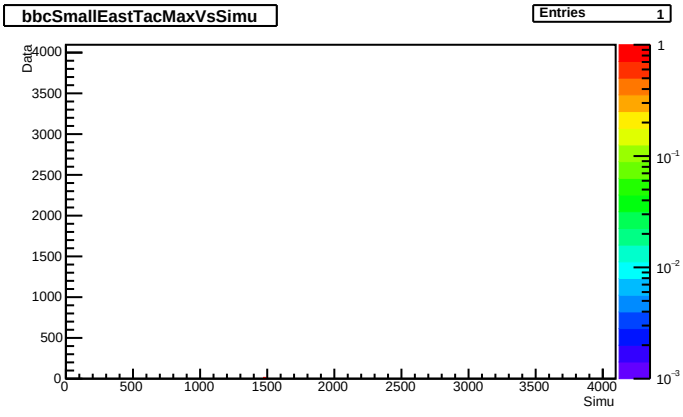

EQ3 QTC
Entries 4.835203e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.835203e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 503667


bbcSmallEastAdcSumVsSimu
Entries 1
Data
Simu


bbcSmallEastTacMax
Entries 503667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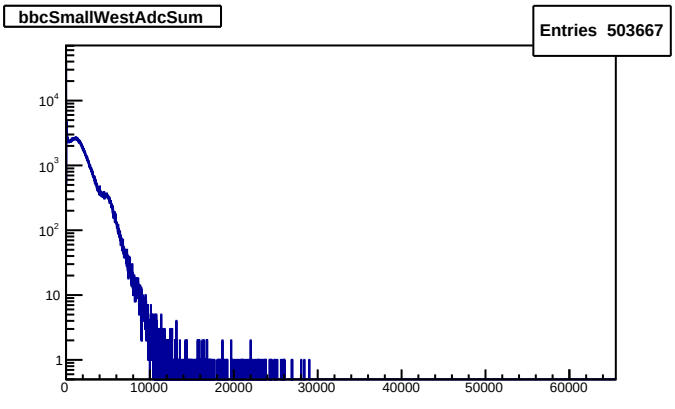
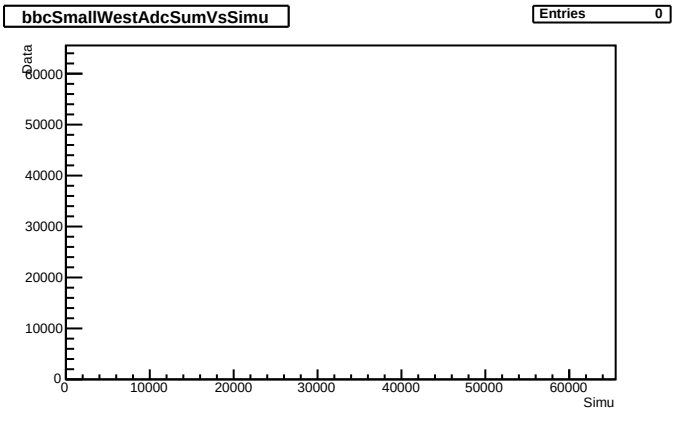

bbcSmallWestAdcSum
Entries 503667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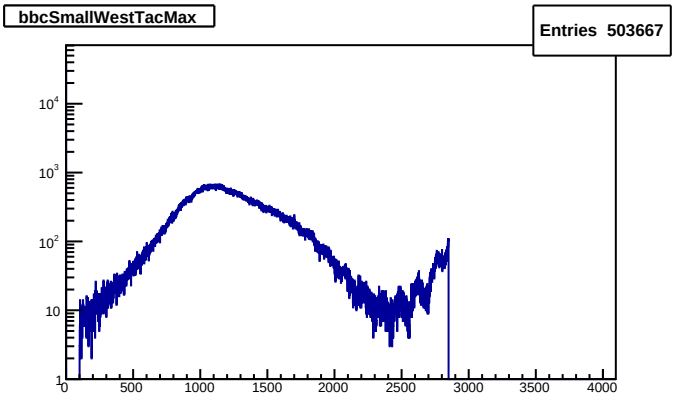
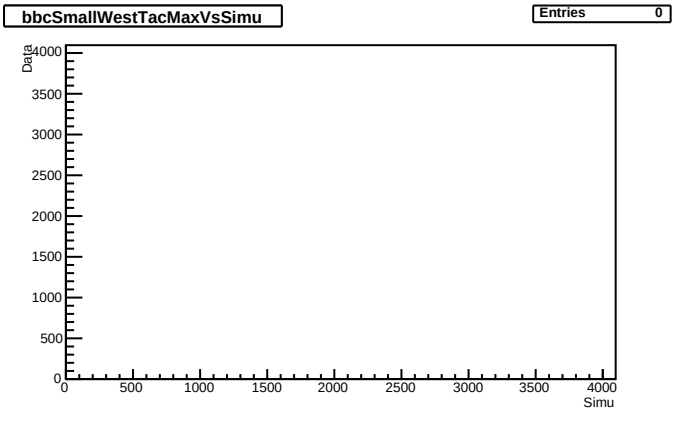
Entries 0
Data
Simu


bbcSmallWestTacMax
Entries 503667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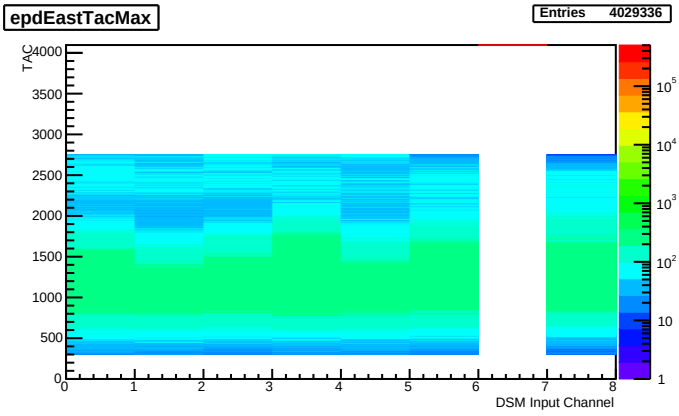
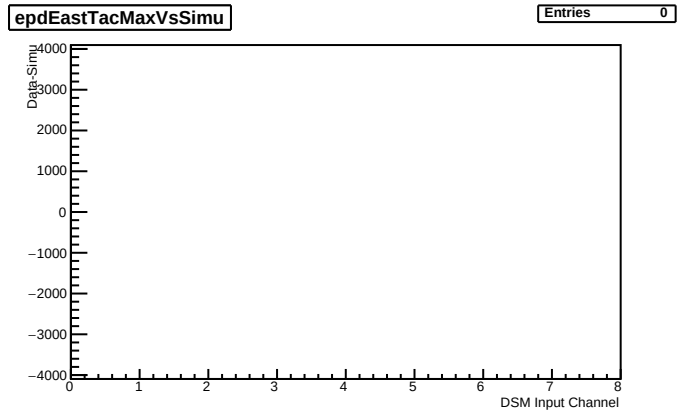
Entries 0
Data
Simu


epdEastTacMax
Entries 4029336
TAC
DSM Input Channel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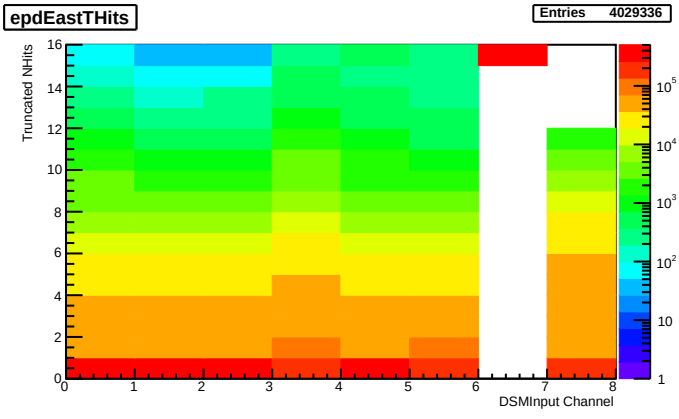
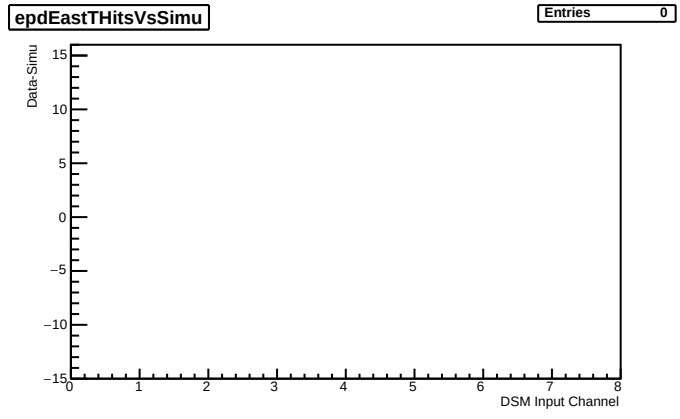
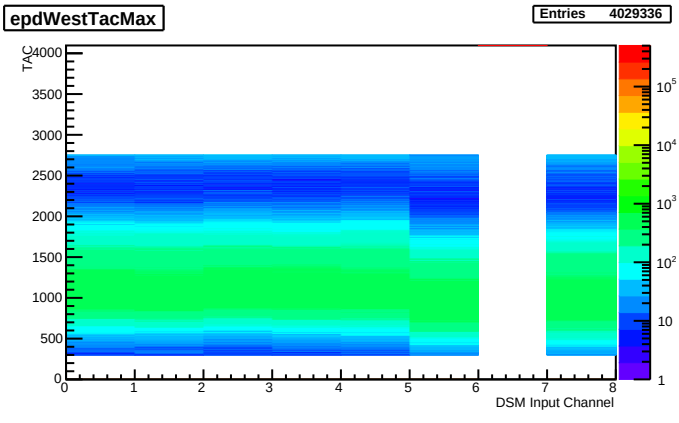
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4029336
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel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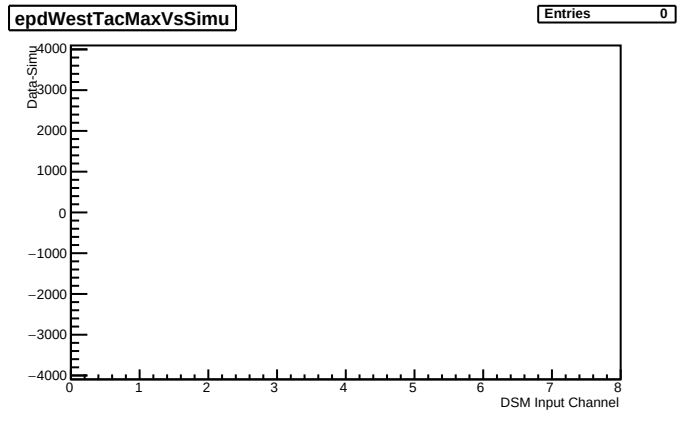
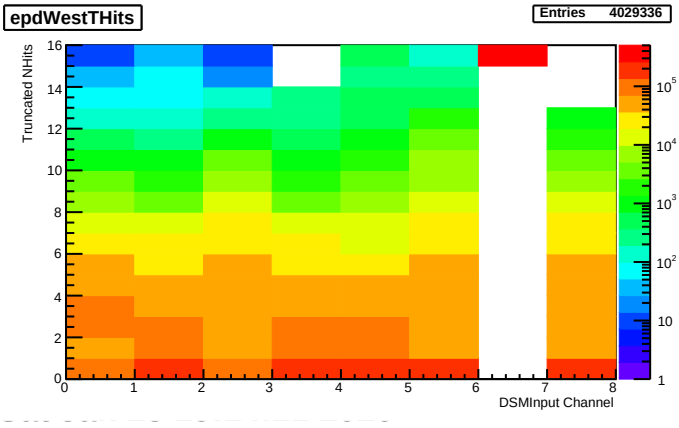
Entries 4029336
TAC
DSM Input Channel


epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel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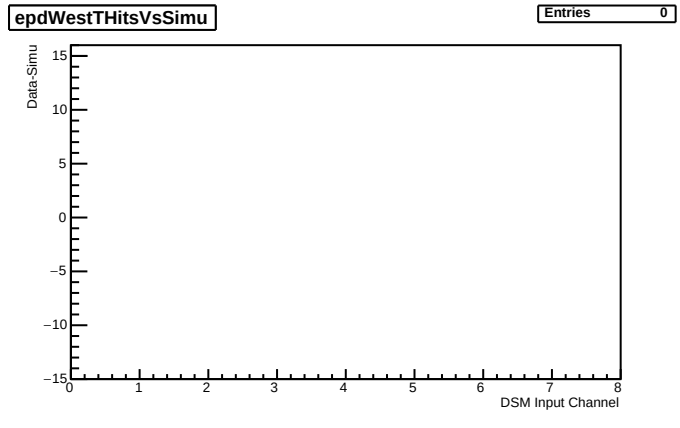
Entries 4029336
Truncated NHits
DSMInput Channel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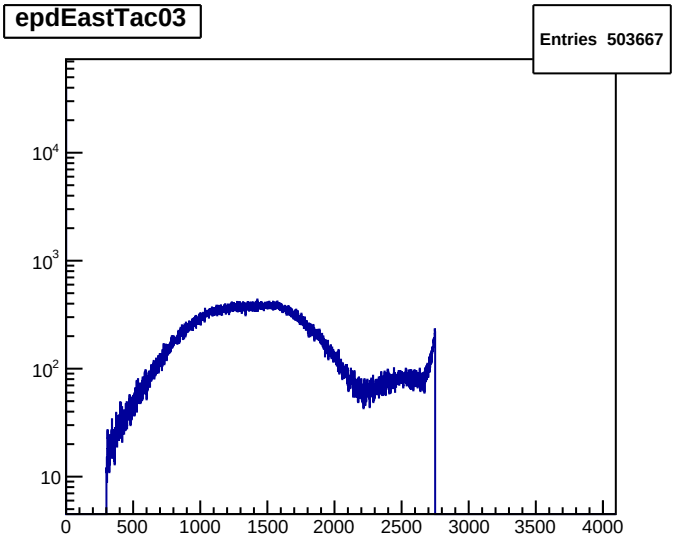
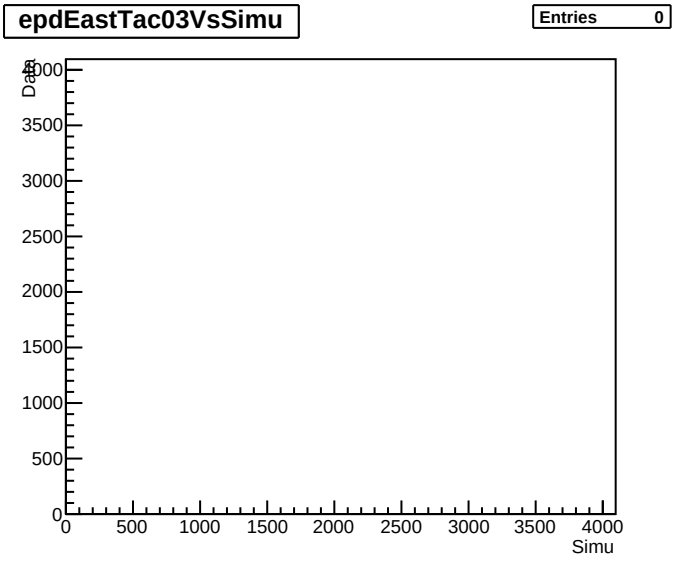
DSM Input Channel


epdEastTac03
Entries 503667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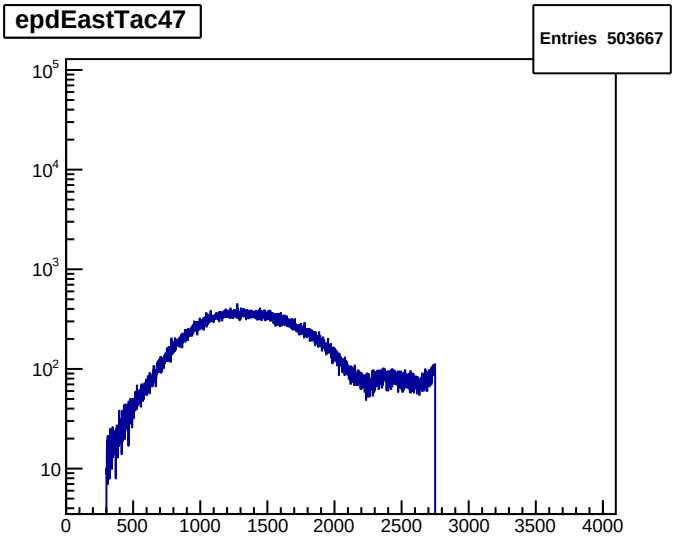
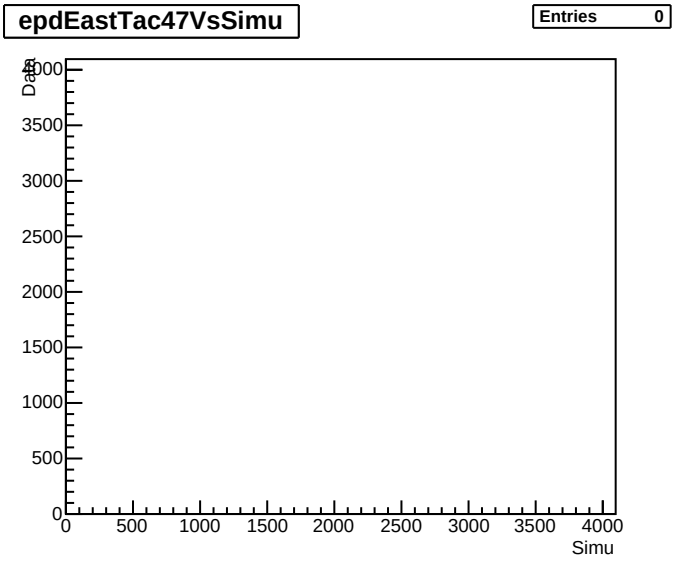
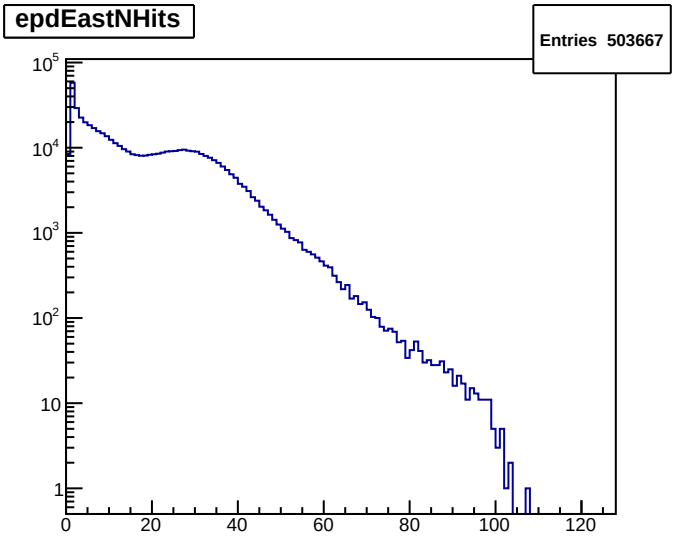
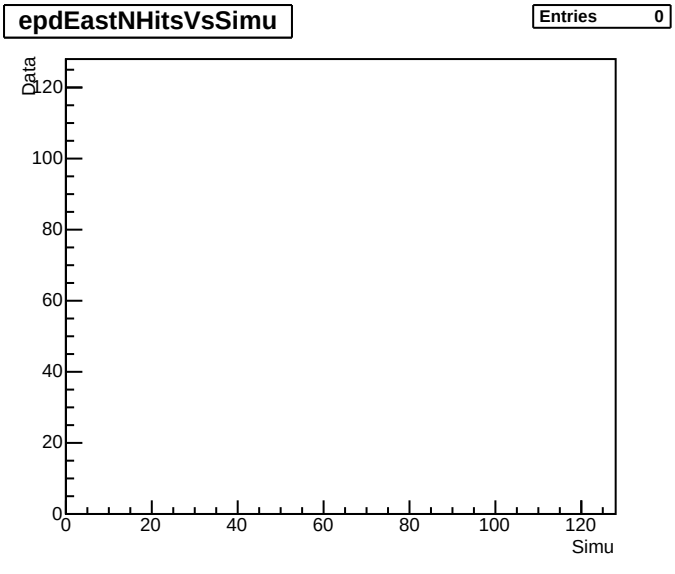
Entries 0
Data
Simu


epdEastTac47
Entries 503667


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 503667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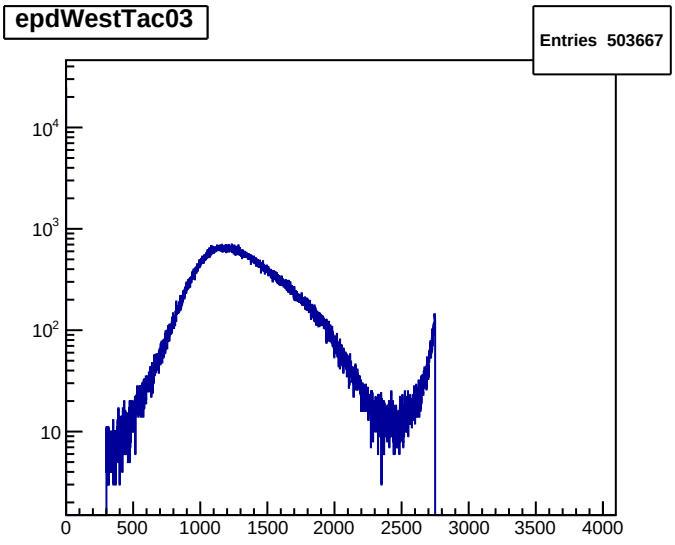
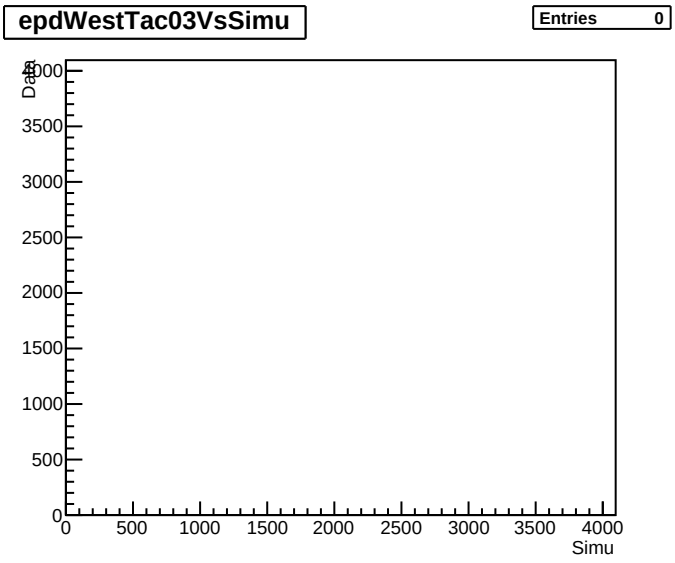
Entries 0
Data
Simu


epdWestTac03
Entries 503667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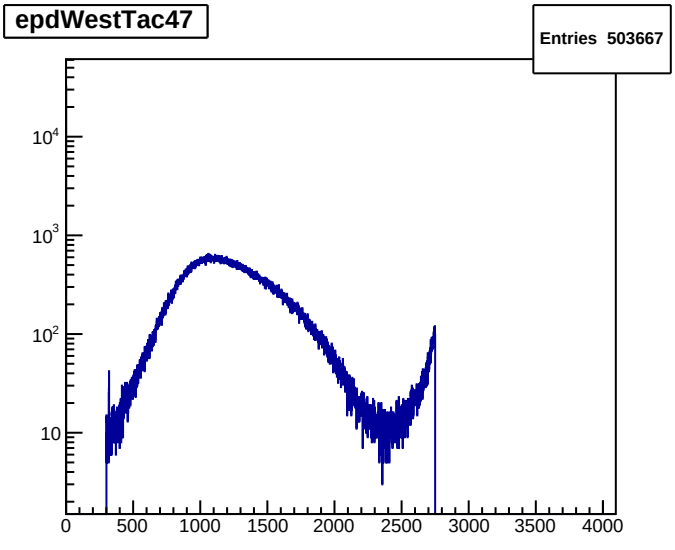
Entries 0
Data
Simu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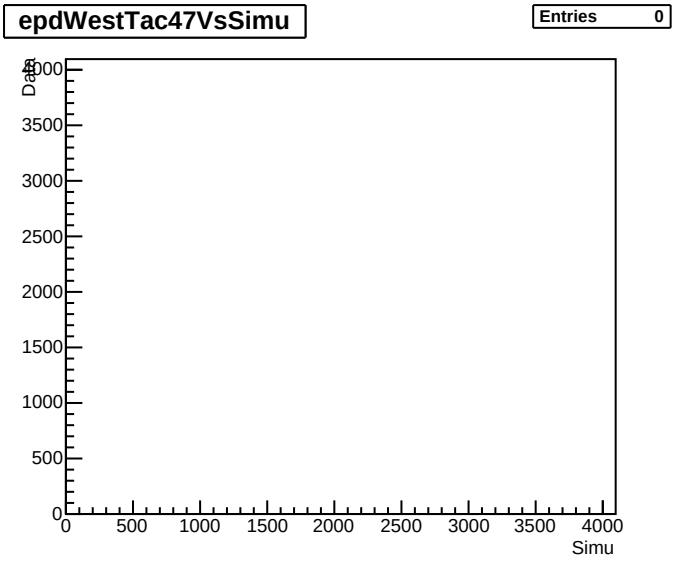
Entries 503667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Entries 0
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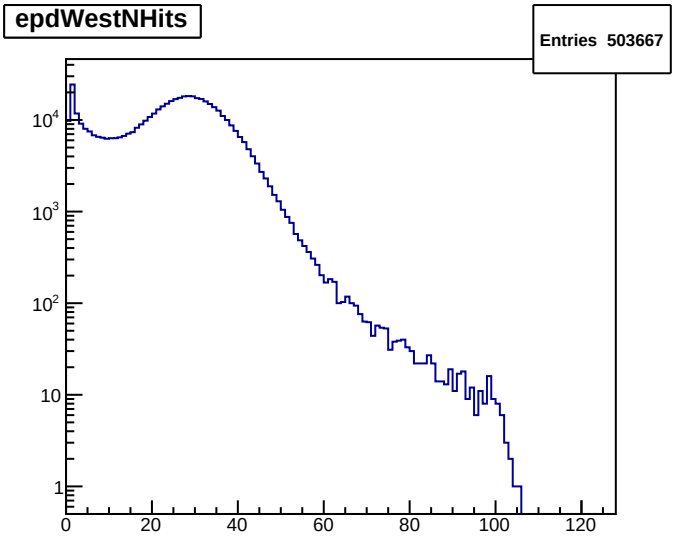
Simu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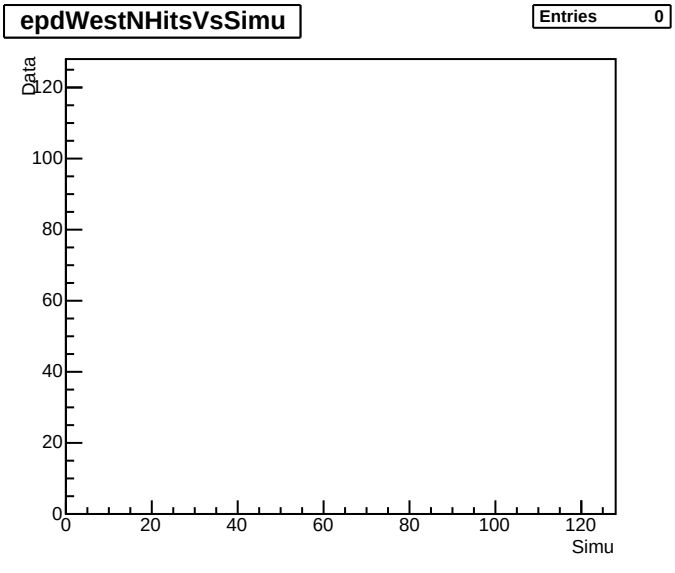
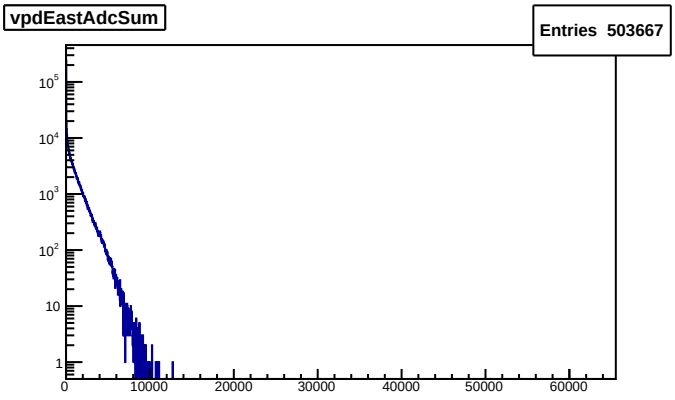
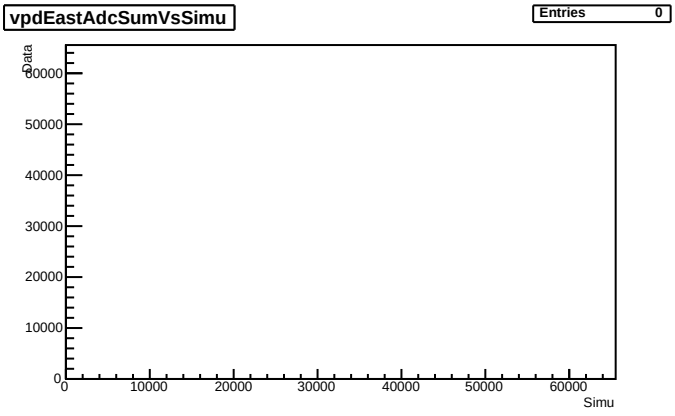
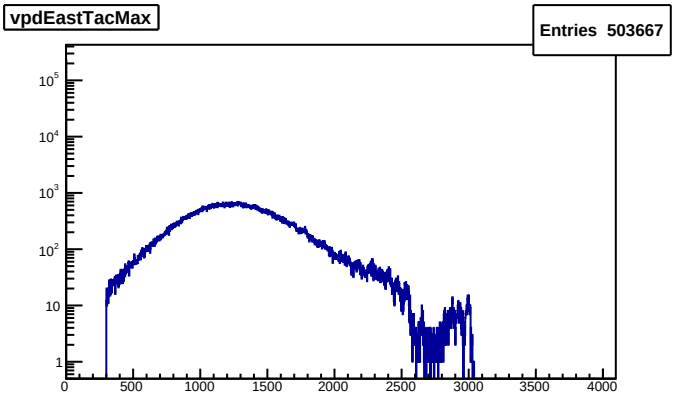
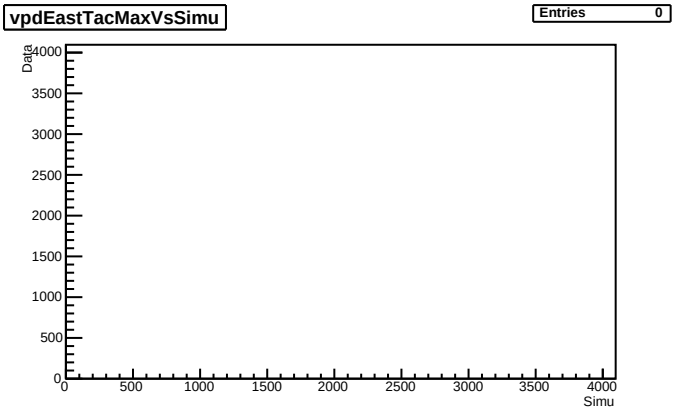
Entries 503667

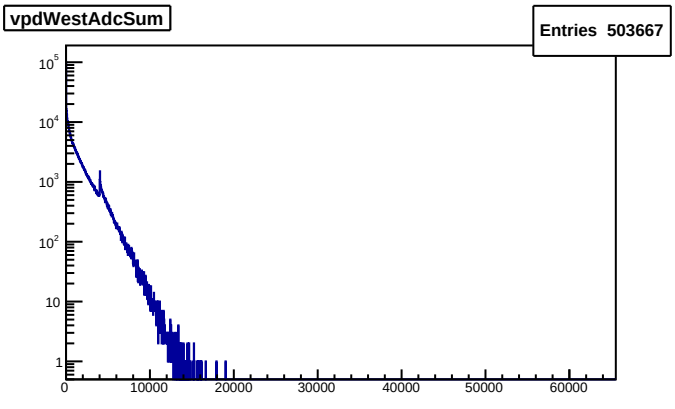

epdWestNHitsVsSimu
Entries 0
Data
Simu

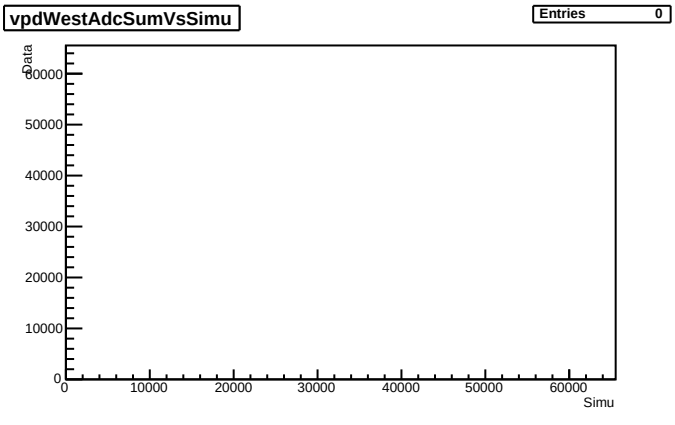

vpdEastAdcSum
Entries 503667

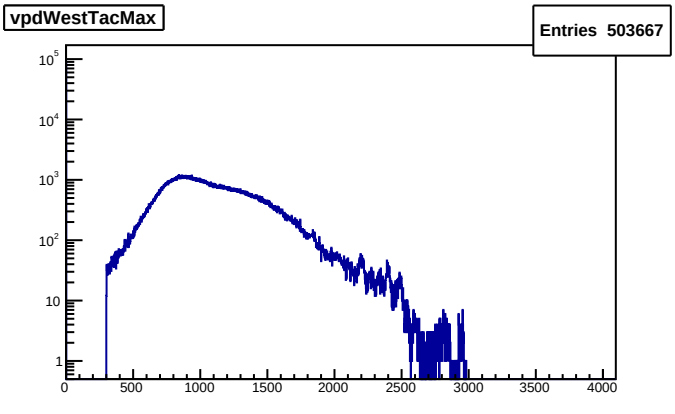

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

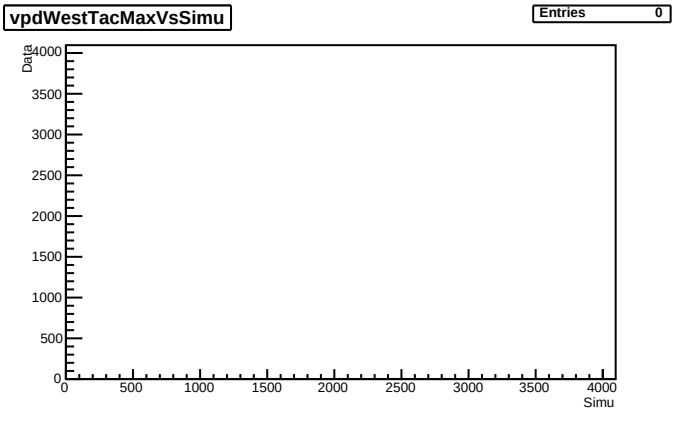

vpdEastTacMax
Entries 503667

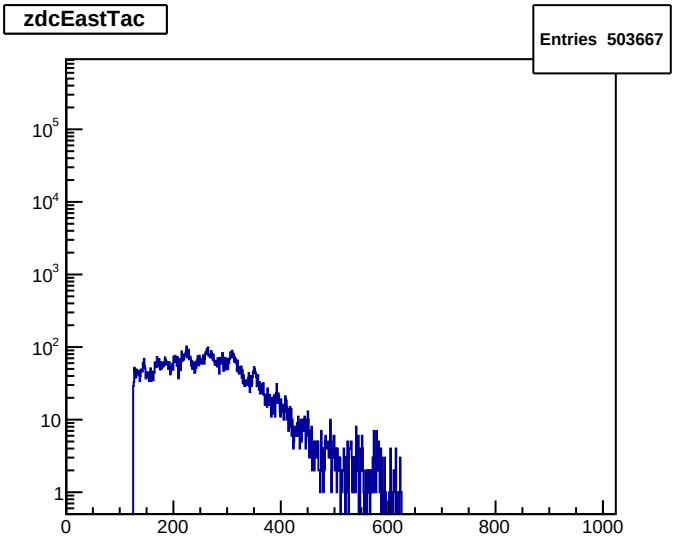

vpdEastTacMaxVsSimu
Entries 0
Data
Simu


vpdWestAdcSum
Entries 503667


vpdWestAdcSumVsSimu
Entries 0
Data
Simu


vpdWestTacMax
Entries 503667


vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 503667
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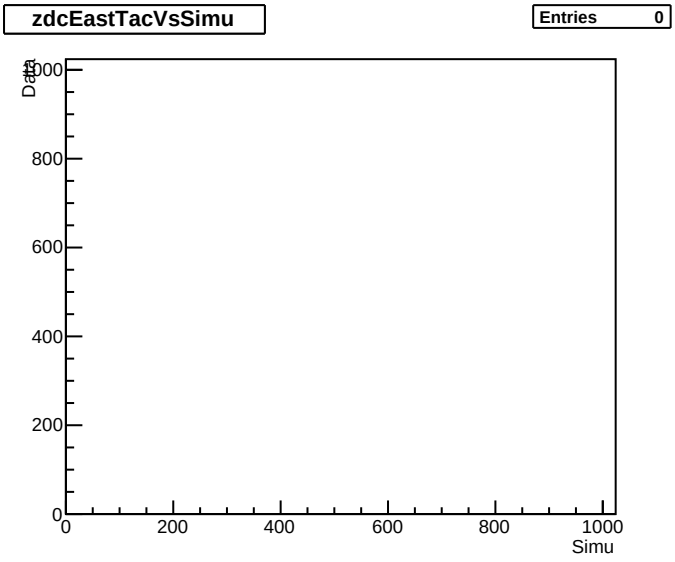
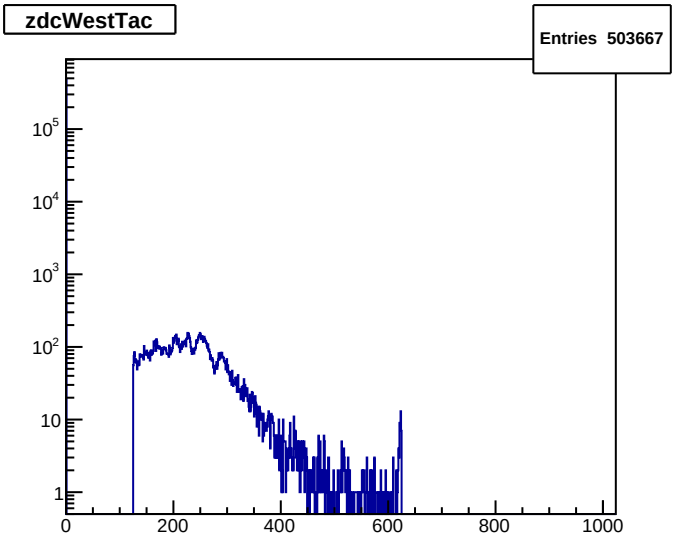
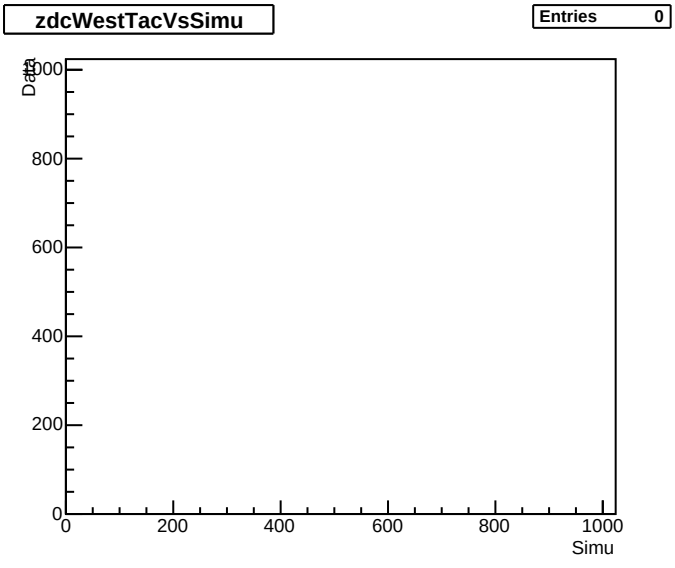
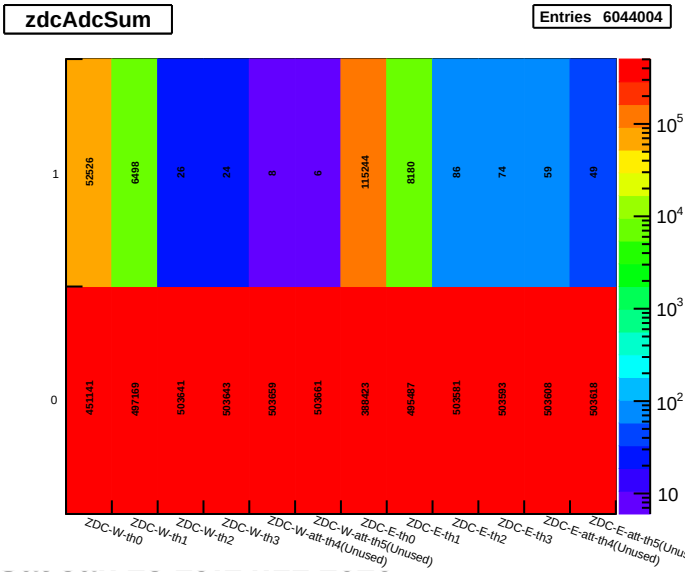
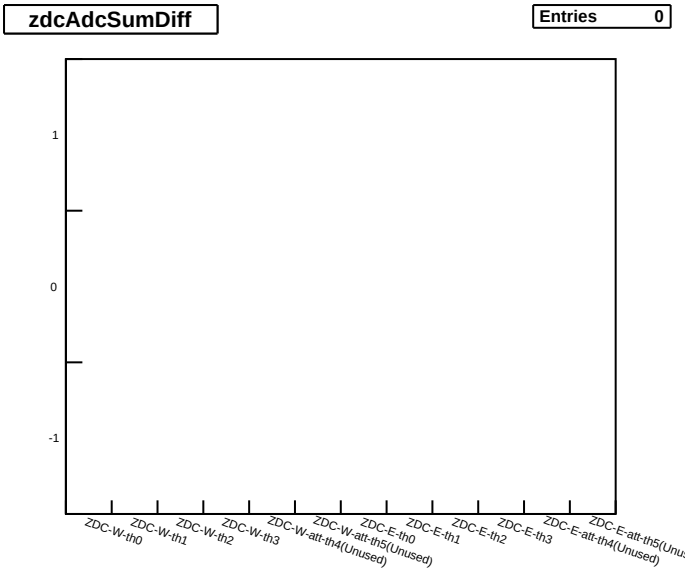
$10^4$
$10^3$
$10^2$
10
1
0
200
400
600
800
1000

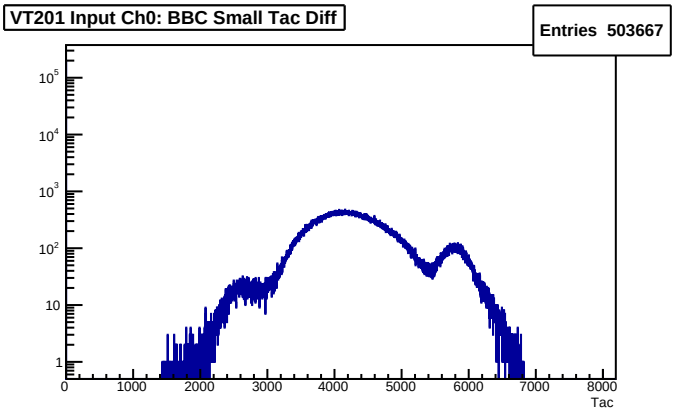

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

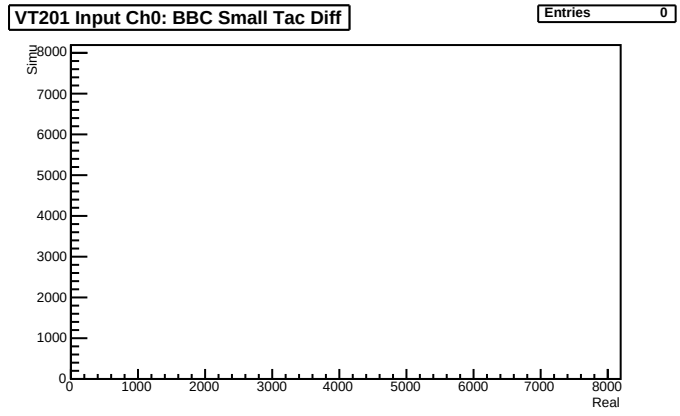

zdcWestTac
Entries 503667
$10^5$
$10^4$
$10^3$
$10^2$
10
1
0
200
400
600
800
1000

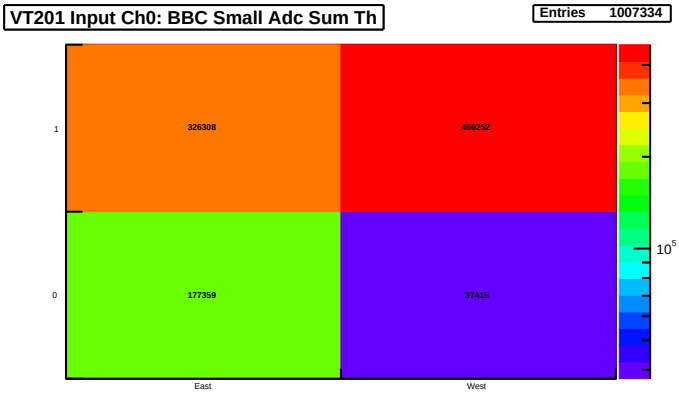

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

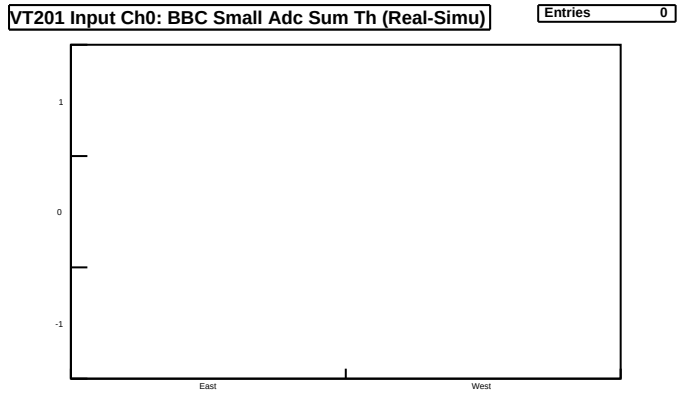

zdcAdcSum
Entries 6044004
1
0
52526
6498
26
24
8
6
115244
8180
86
74
59
49
451141
497169
503641
503643
503659
503661
388423
495487
503581
503593
503608
503618
$10^5$
$10^4$
$10^3$
$10^2$
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

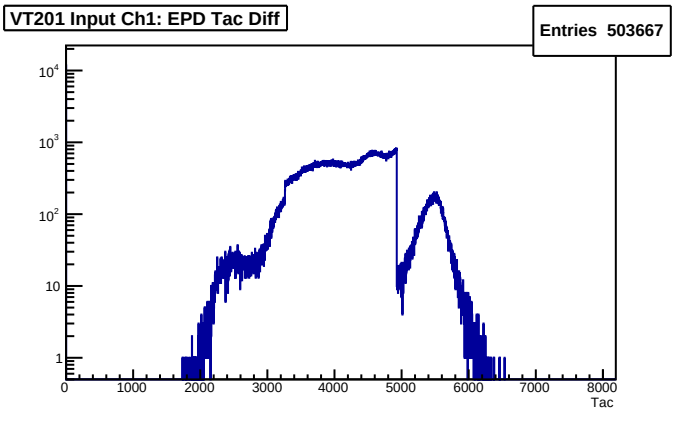

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

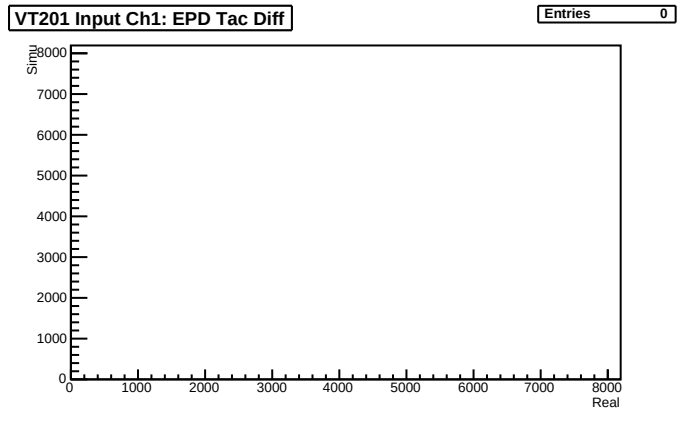

VT201 Input Ch0: BBC Small Tac Diff
Entries 503667
Tac

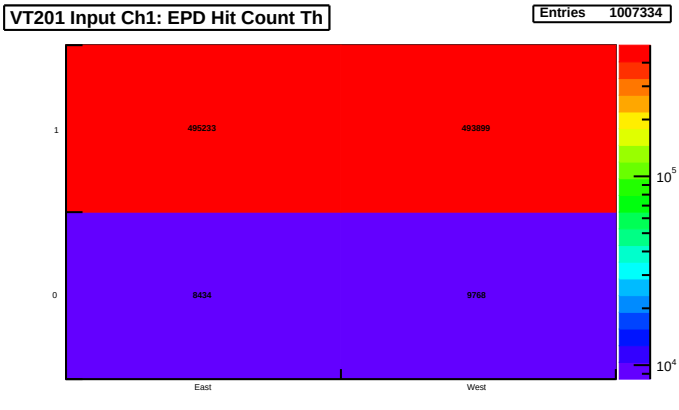

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

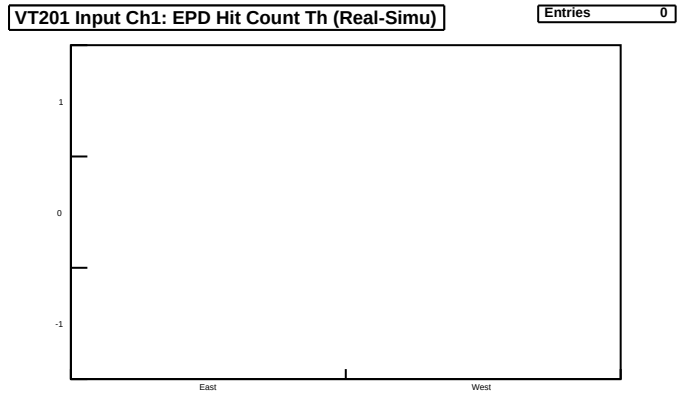

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1007334
326308
466252
177359
37415
East
West

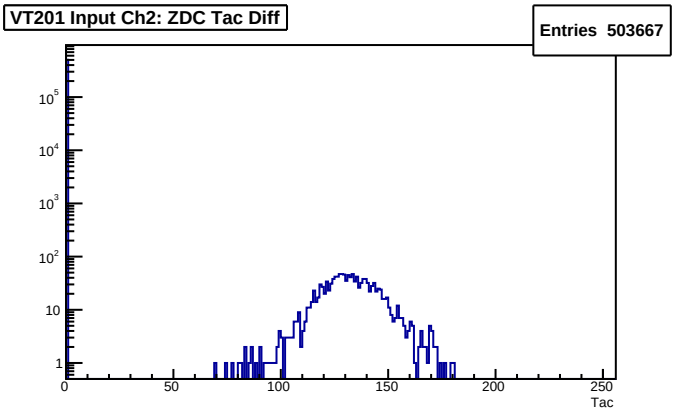

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

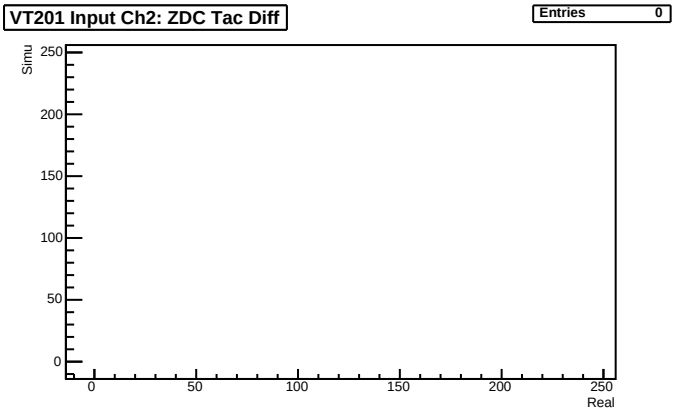

VT201 Input Ch1: EPD Tac Diff
Entries 503667
Tac

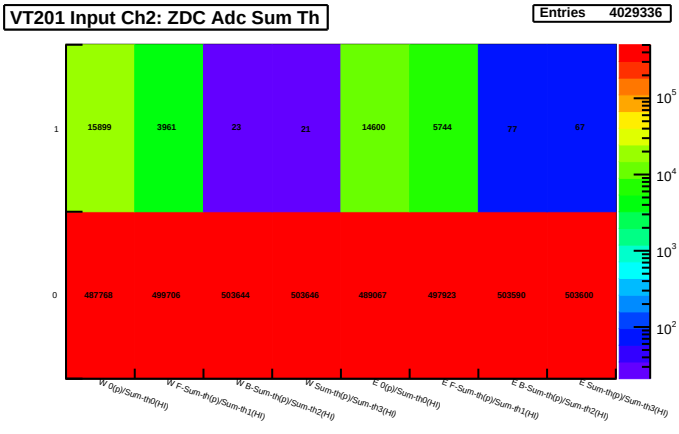

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

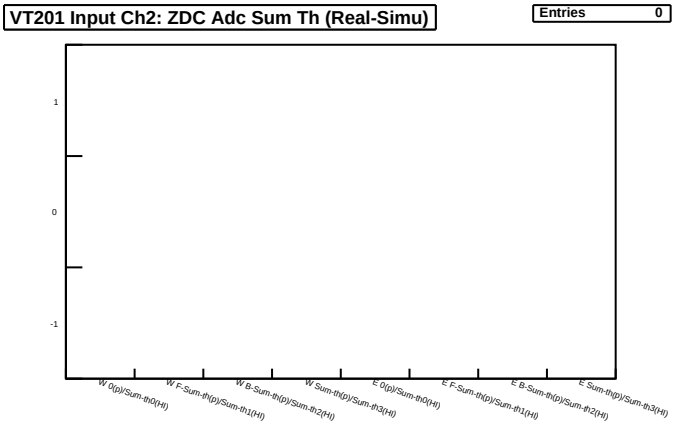

VT201 Input Ch1: EPD Hit Count Th
Entries 1007334
495233
493899
8434
9768
East
West

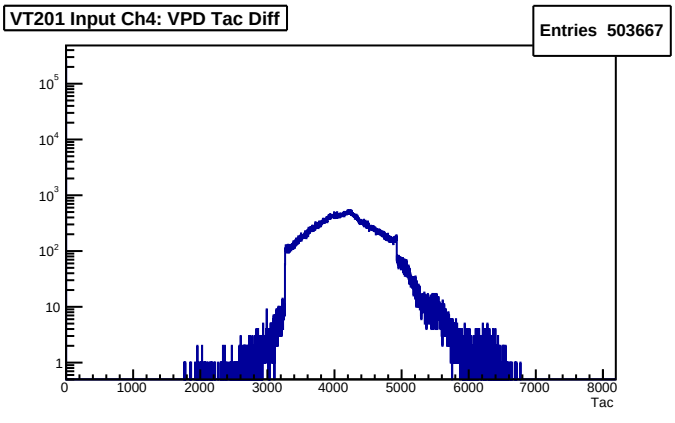

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

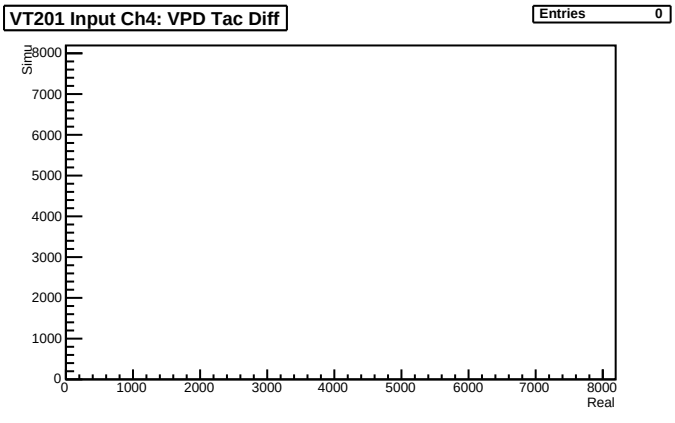

VT201 Input Ch2: ZDC Tac Diff
Entries 503667
Tac

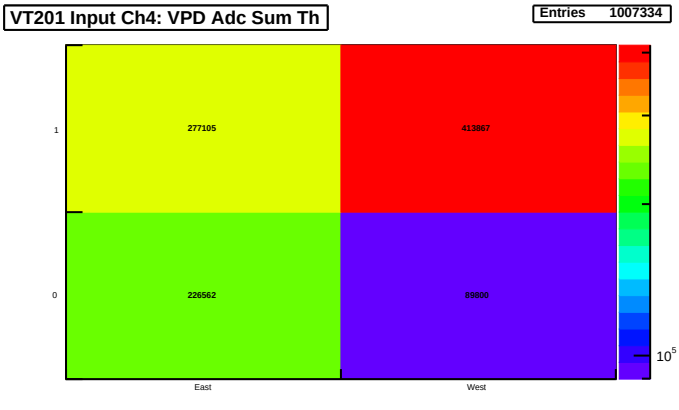

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

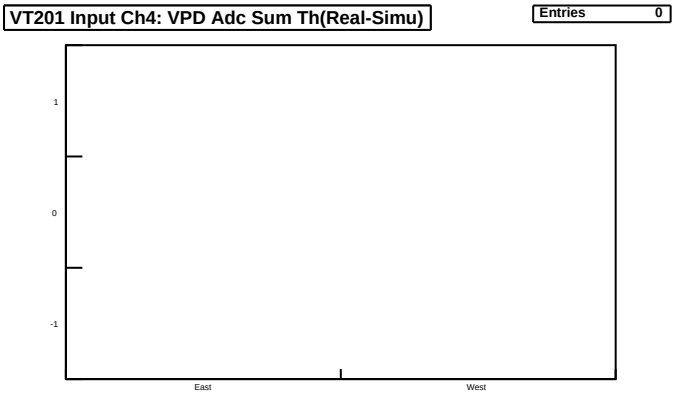

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4029336
15899
3961
23
21
14600
5744
77
67
487768
499706
503644
503646
489067
497923
503590
503600
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

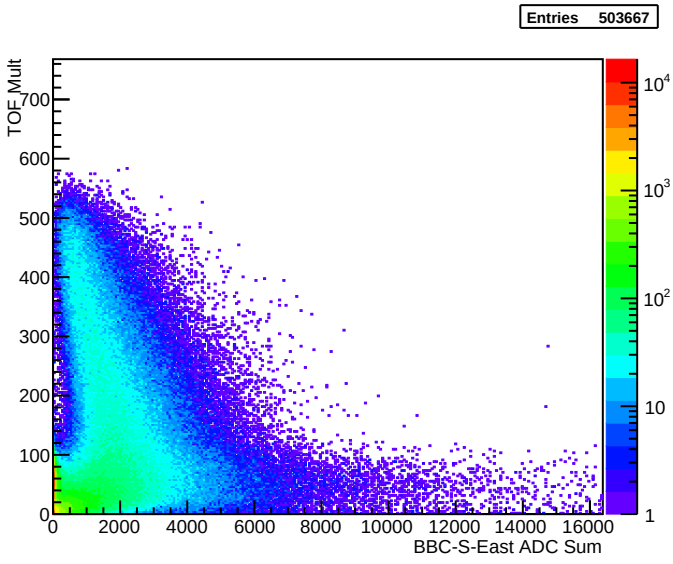

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

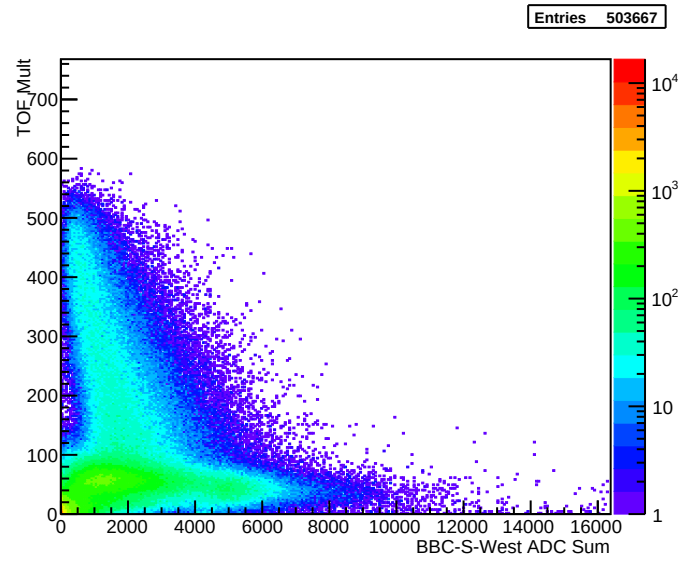

VT201 Input Ch4: VPD Tac Diff
Entries 503667
Tac

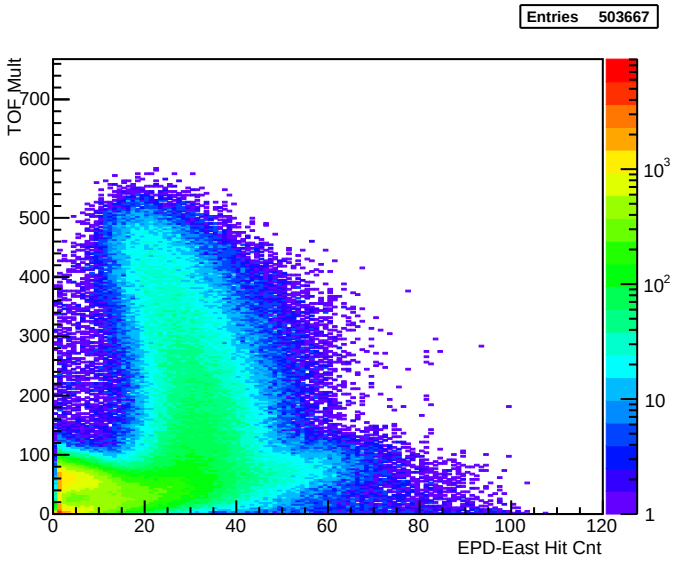

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

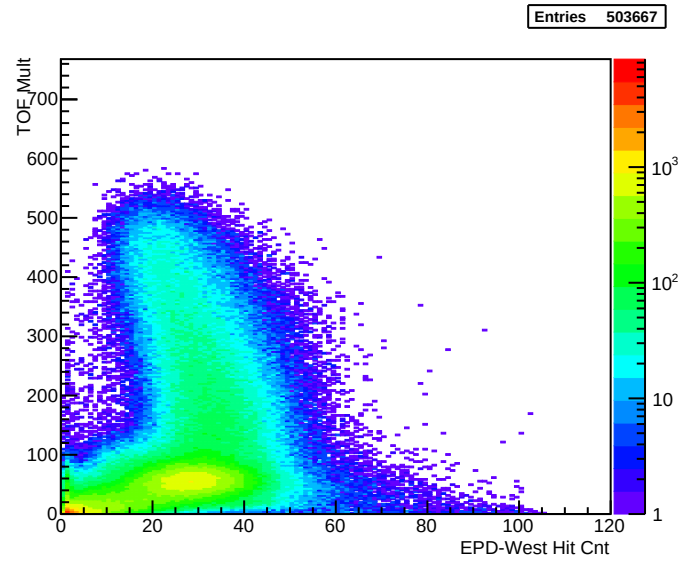

VT201 Input Ch4: VPD Adc Sum Th
Entries 1007334
277105
413867
226562
89800
East
West

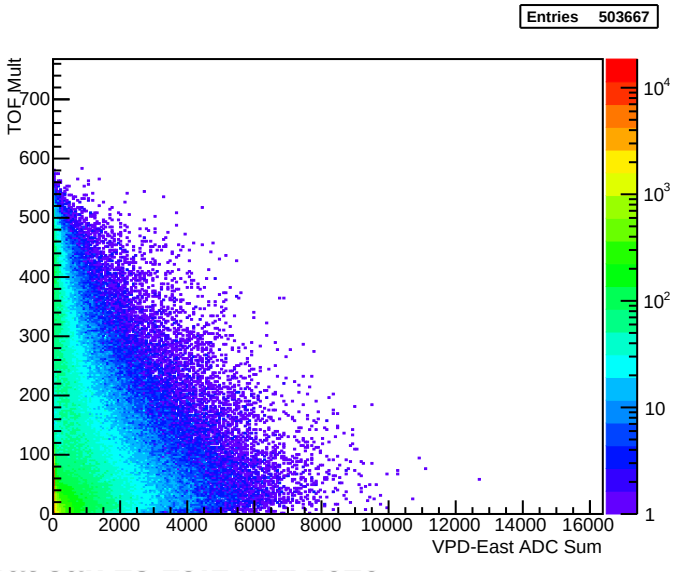

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

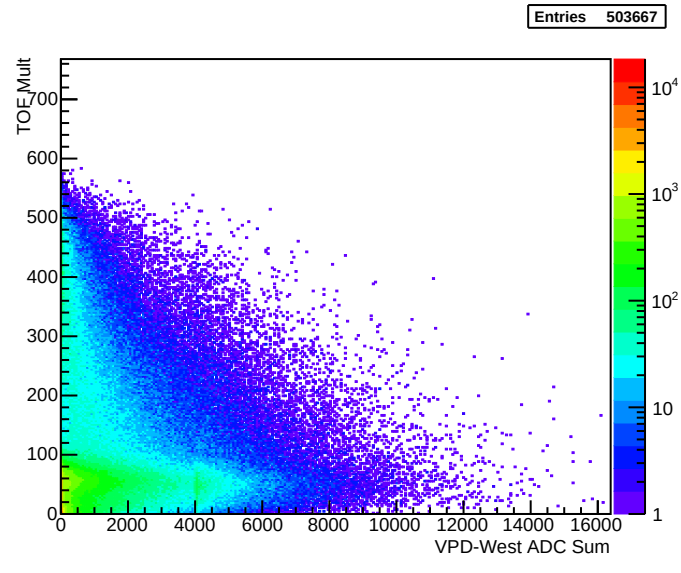

Entries 503667
TOF_Mult
BBC-S-East ADC Sum

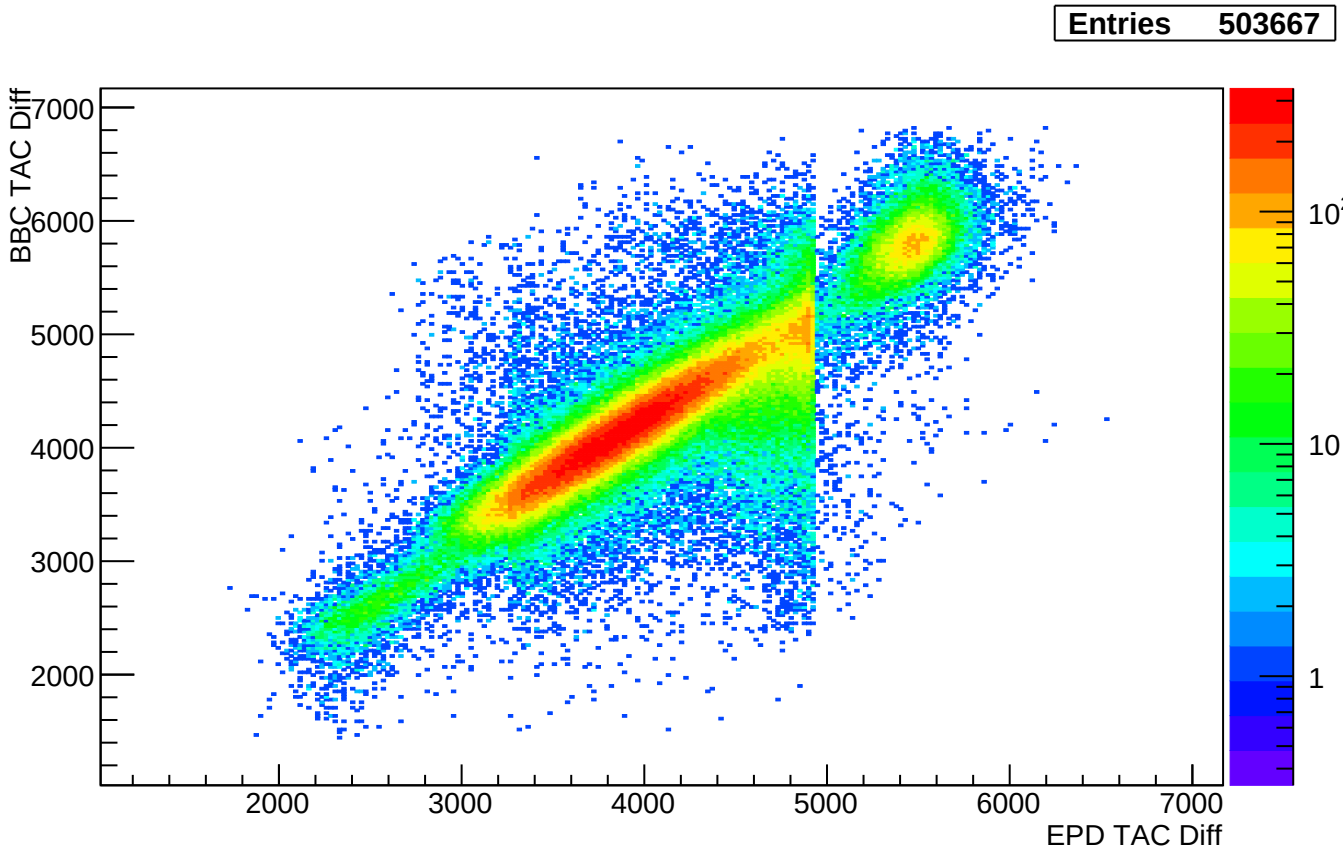

Entries 503667
TOF_Mult
BBC-S-West ADC Sum

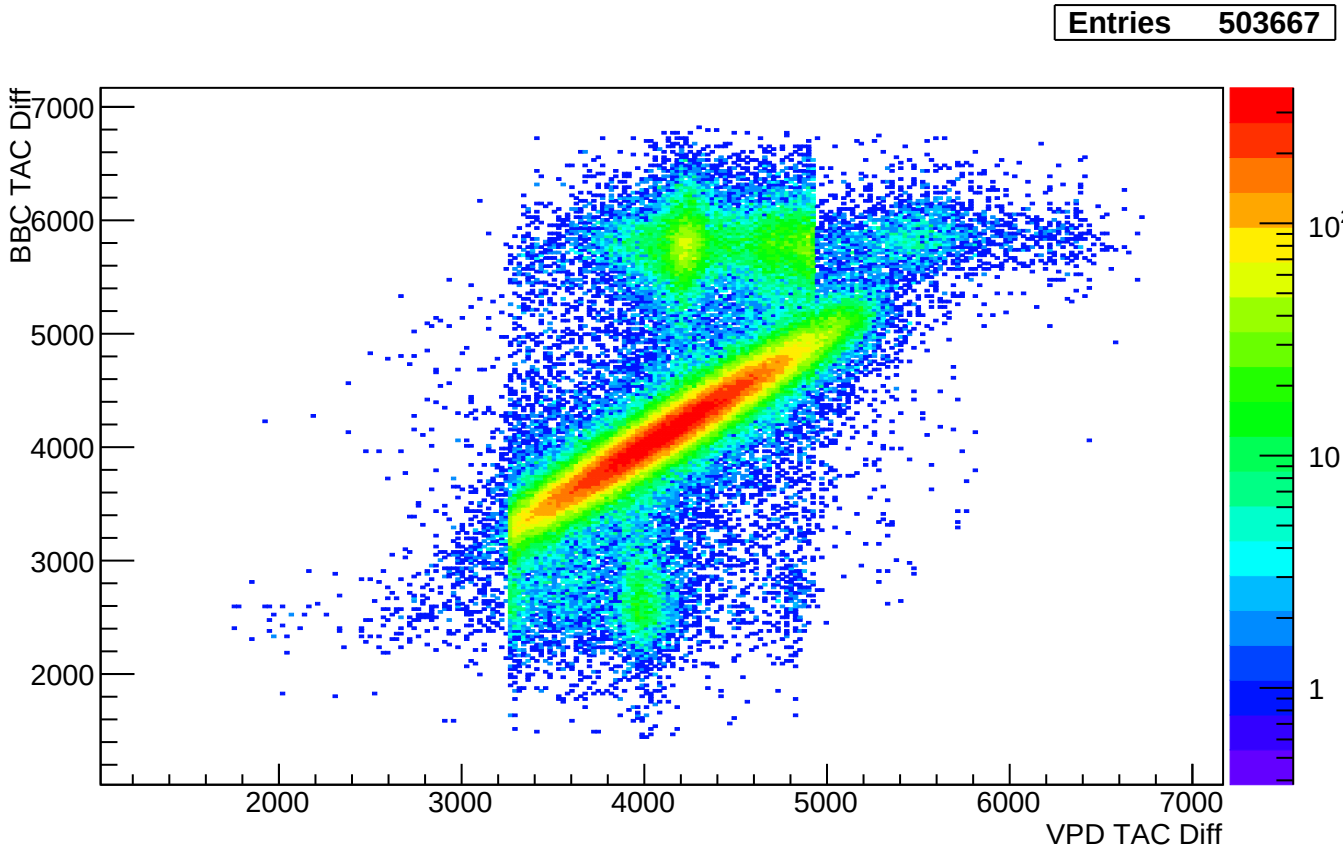

Entries 503667
TOF_Mult
EPD-East Hit Cnt

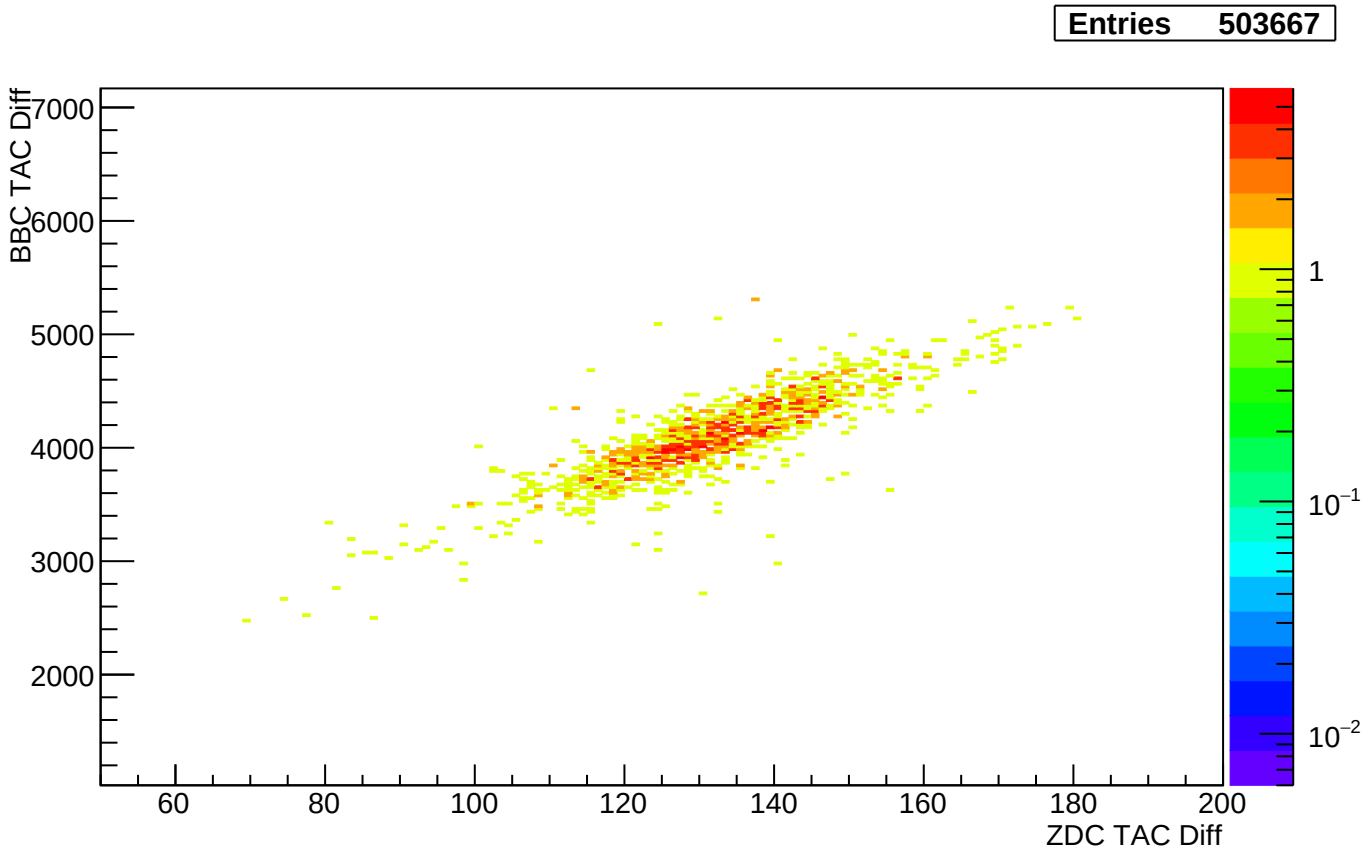

Entries 503667
TOF_Mult
EPD-West Hit Cnt

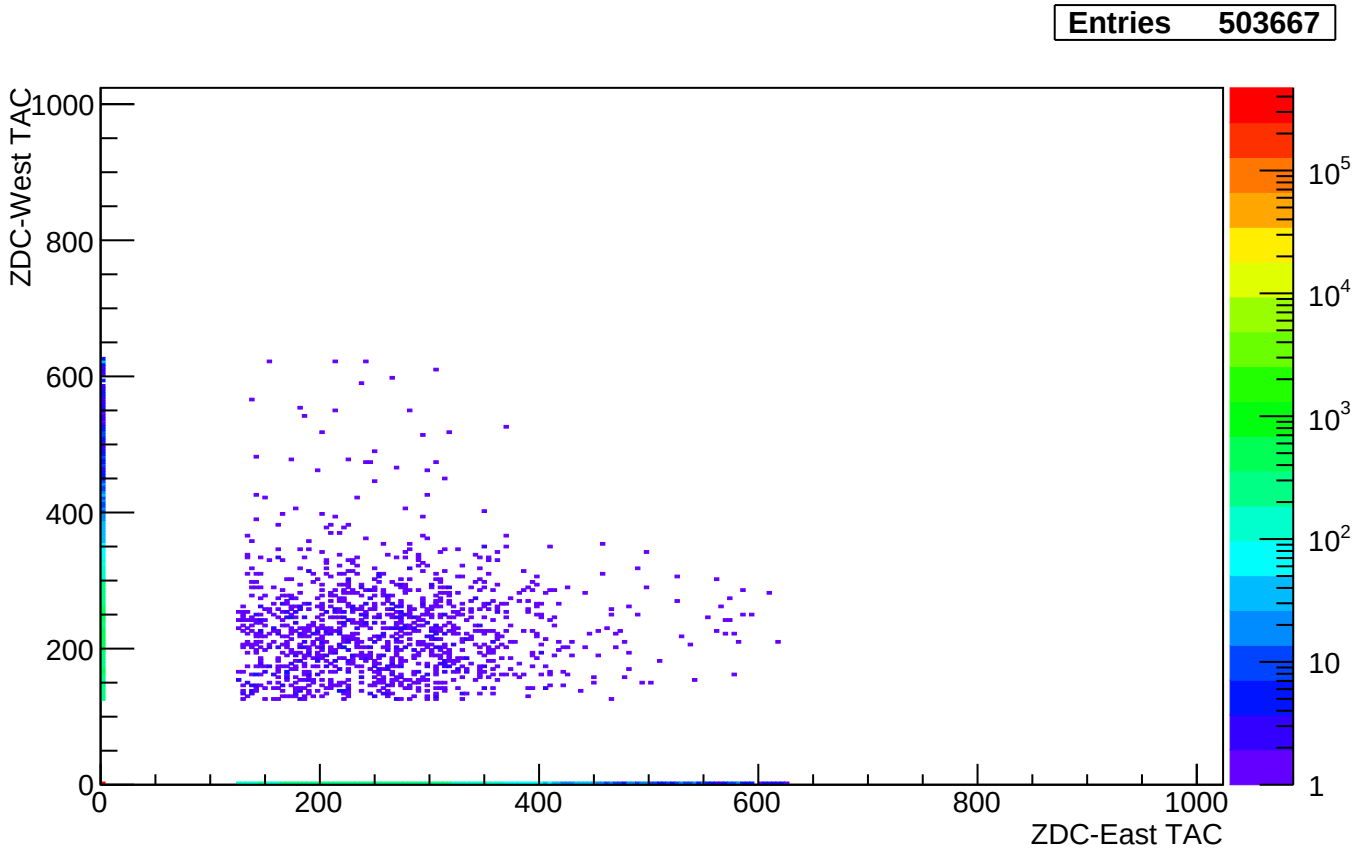

Entries 503667
TOF_Mult
VPD-East ADC Sum

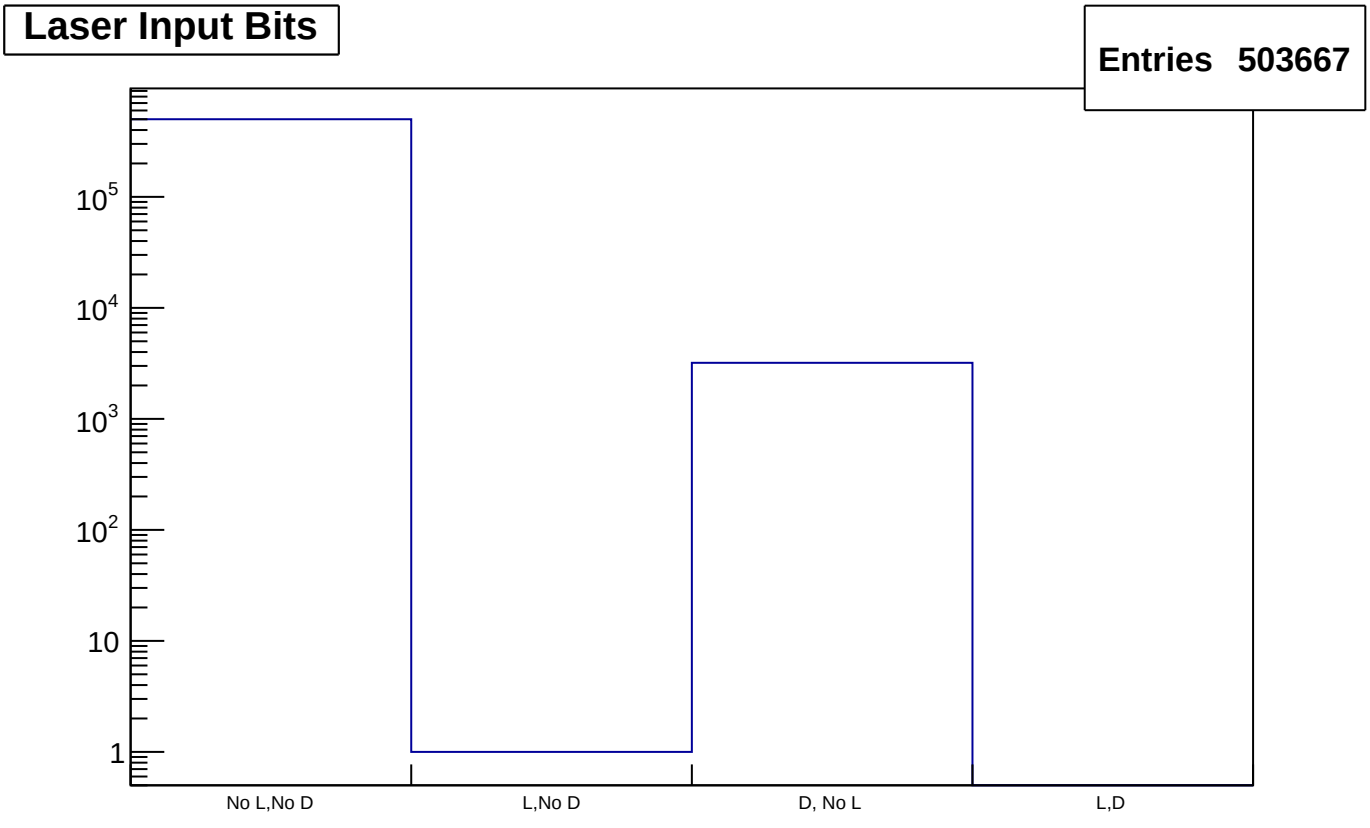

Entries 503667
TOF_Mult
VPD-West ADC Sum

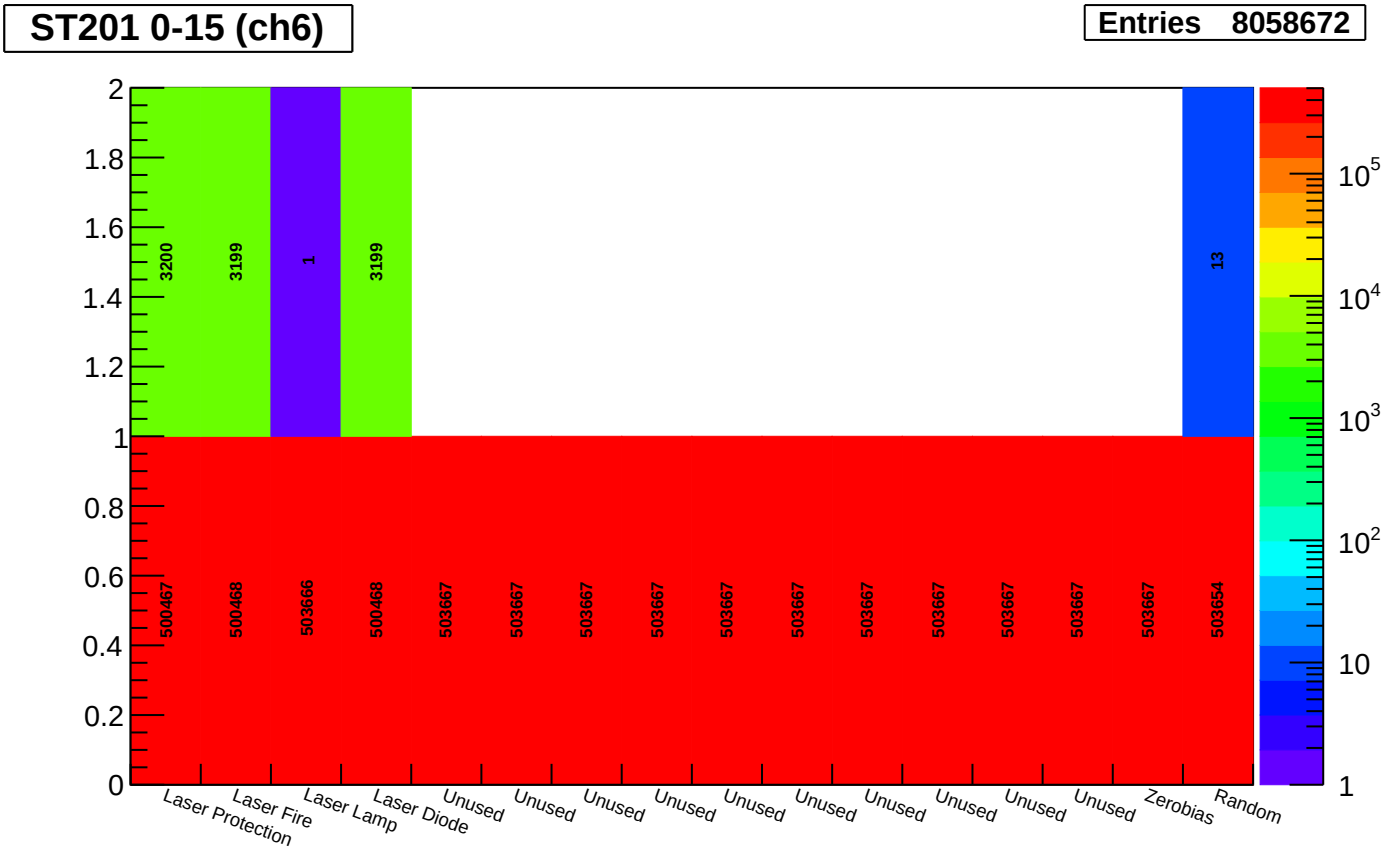

Entries 503667
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
$10^2$
10
1

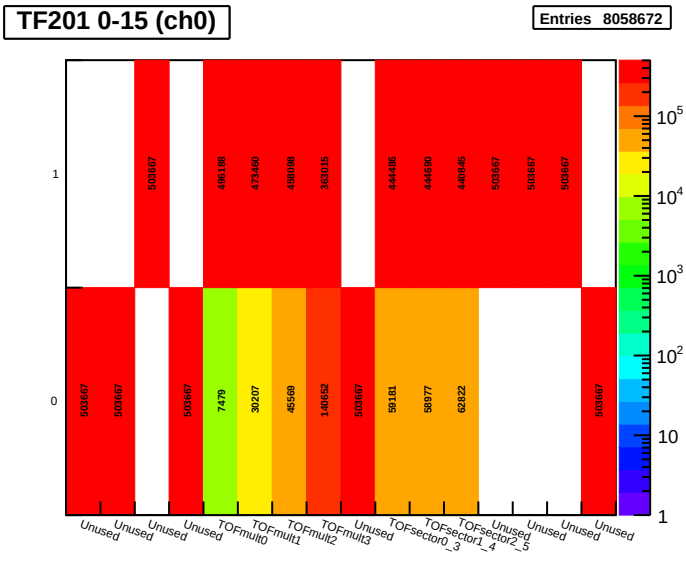

Entries 503667
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
$10^2$
10
1

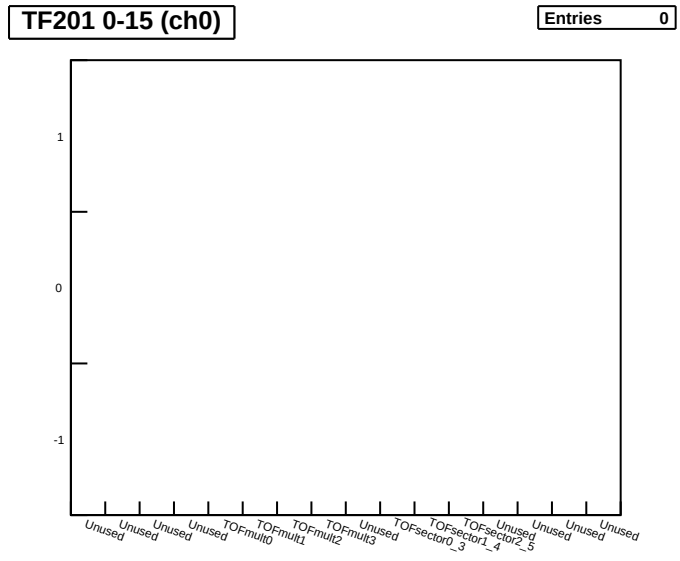

Entries 503667
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
$10^{-1}$
$10^{-2}$

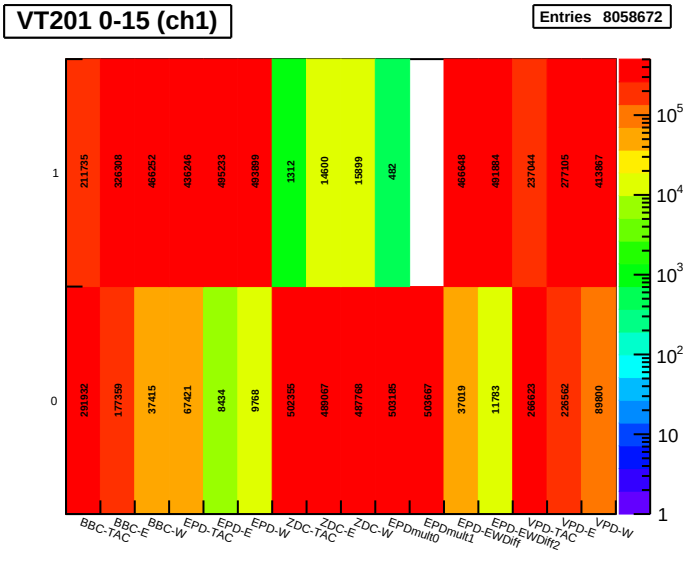

Entries 503667
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

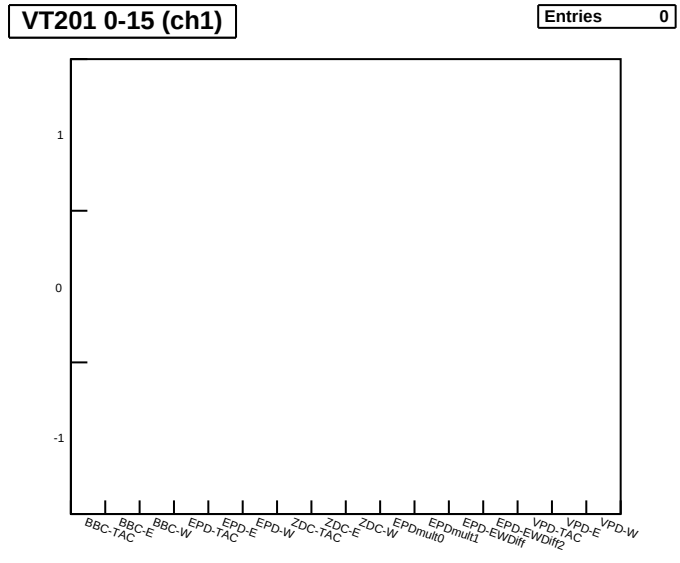

Laser Input Bits
Entries 503667
$10^5$
$10^4$
$10^3$
$10^2$
10
1
No L,No D
L,No D
D, No L
L,D

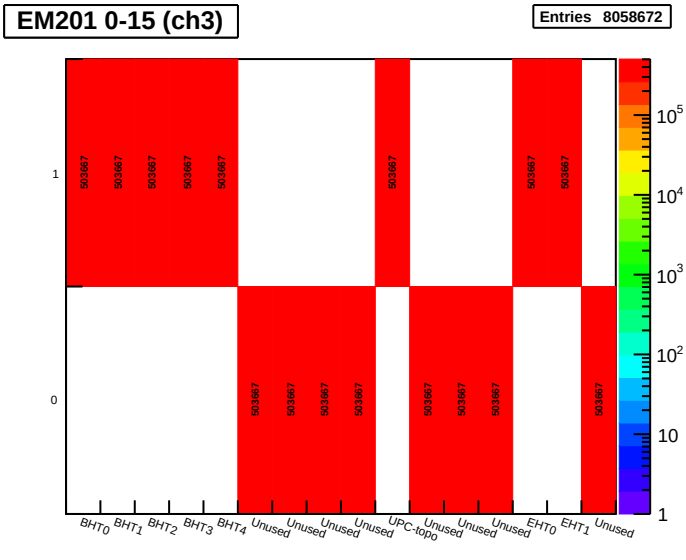

ST201 0-15 (ch6)
Entries 8058672
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3200
3199
1
3199
13
500467
500468
503666
500468
503667
503667
503667
503667
503667
503667
503667
503667
503667
503667
503654
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
$10^5$
$10^4$
$10^3$
$10^2$
10
1

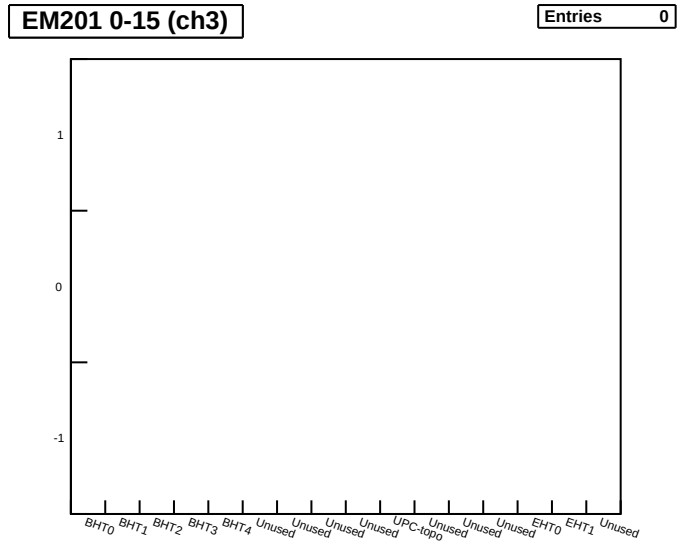

TF201 0-15 (ch0)
Entries 8058672
1
0
503667
503667
503667
503667
486188
473460
458098
363015
444486
444690
440945
503667
503667
503667
503667
7479
30207
45569
140652
503667
59181
58977
62822
503667
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
$10^5$
$10^4$
$10^3$
$10^2$
10
1


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


VT201 0-15 (ch1)
Entries 8058672
1
0
211735
326308
466252
436246
495233
493899
1312
14600
15999
482
466648
491884
237044
277105
413867
231932
177359
37415
67421
8434
9768
502355
489067
487768
503185
503667
37019
11783
266623
226562
89800
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 8058672
1
0
503667
503667
503667
503667
503667
503667
503667
503667
503667
503667
503667
503667
503667
503667
503667
503667
503667
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