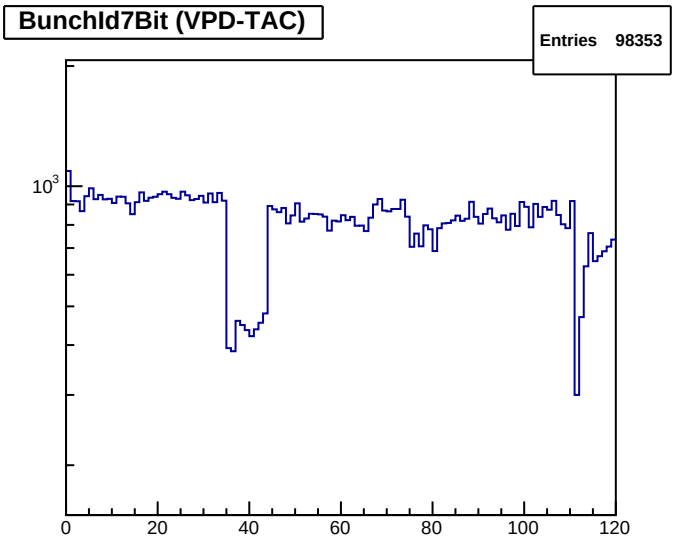
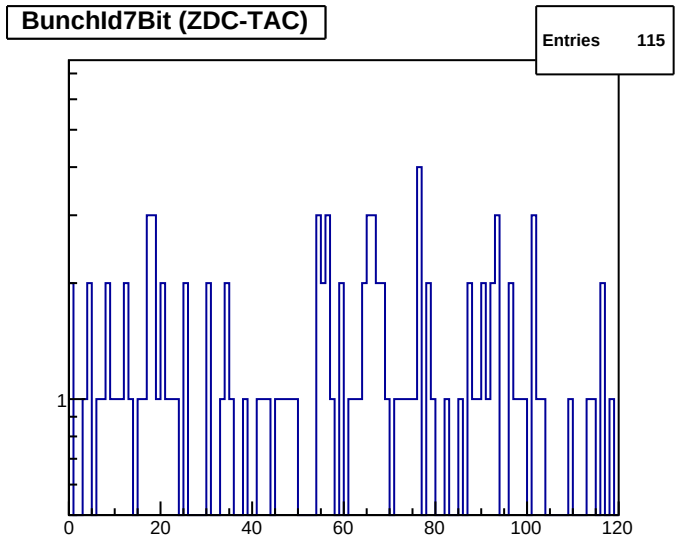
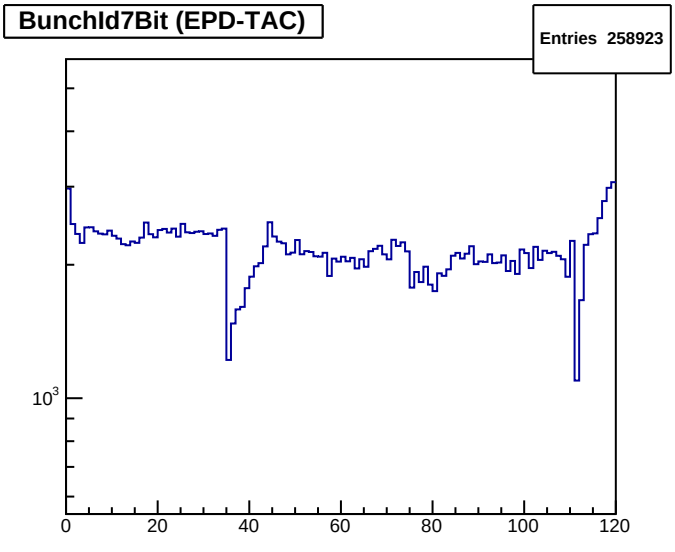
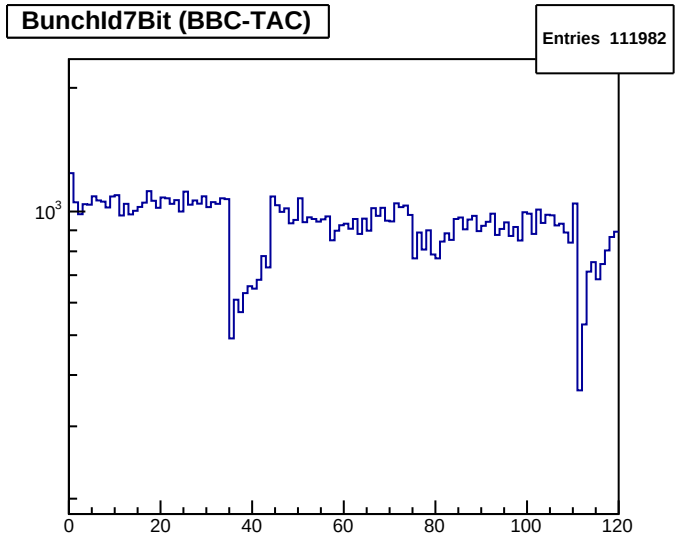
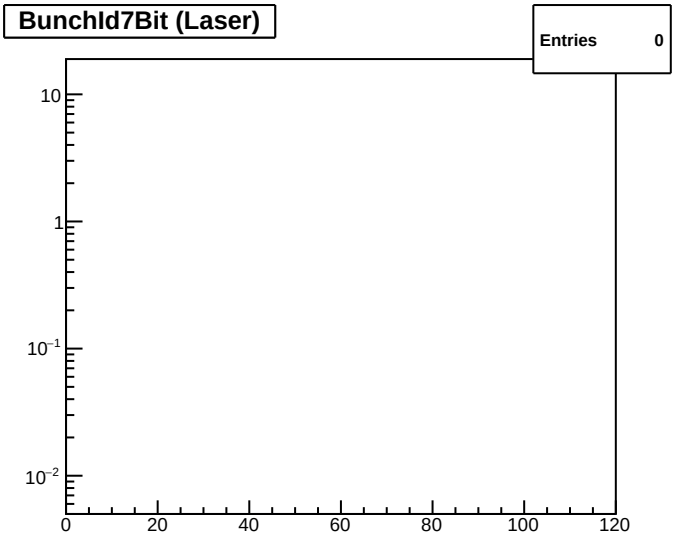
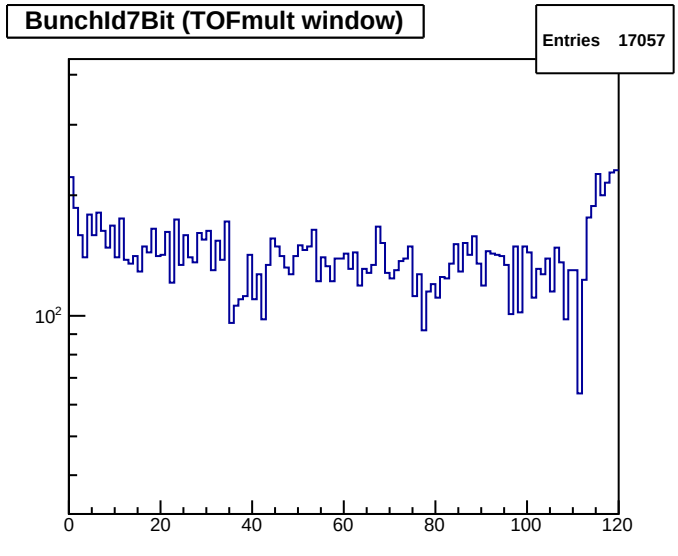

BunchId7Bit (VPD-TAC)
Entries 98353
10^3
0 20 40 60 80 100 120

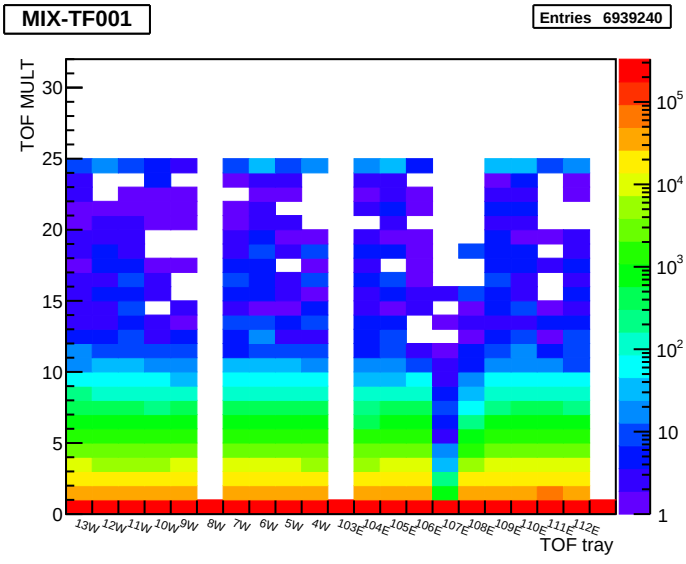

BunchId7Bit (ZDC-TAC)
Entries 115
1
0 20 40 60 80 100 120

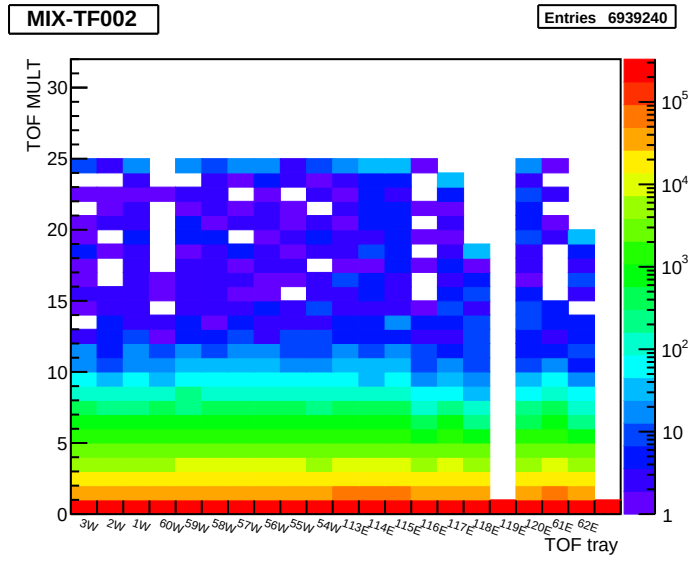

BunchId7Bit (EPD-TAC)
Entries 258923
10^3
0 20 40 60 80 100 120

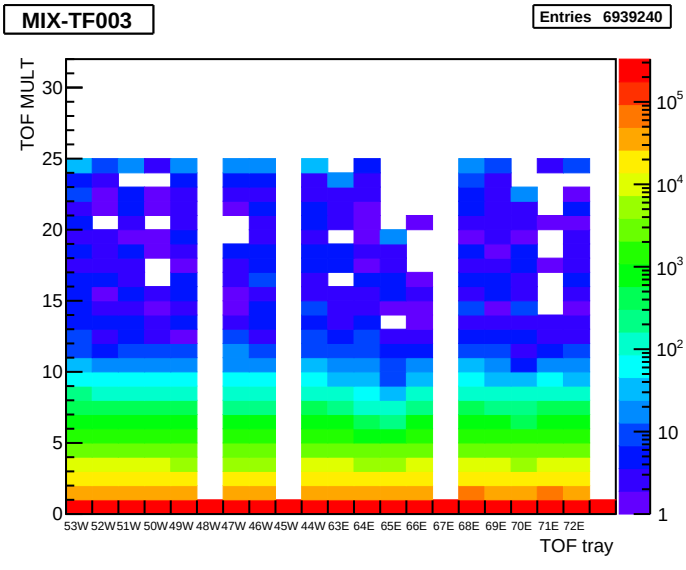

BunchId7Bit (BBC-TAC)
Entries 111982
10^3
0 20 40 60 80 100 120

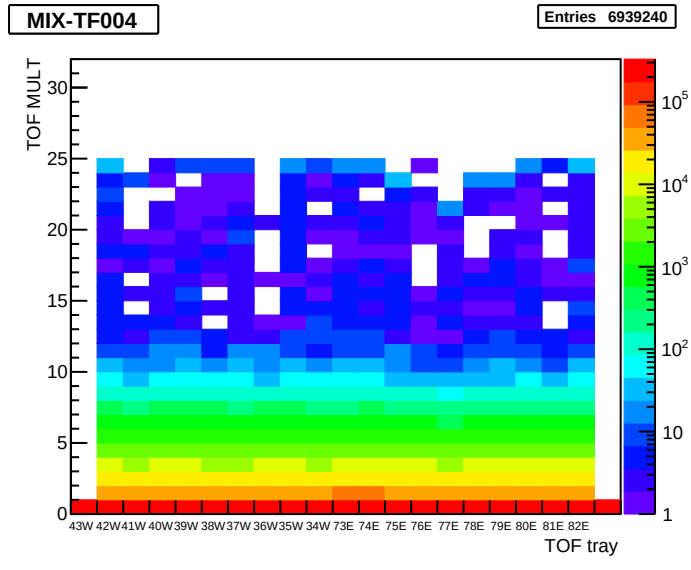

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

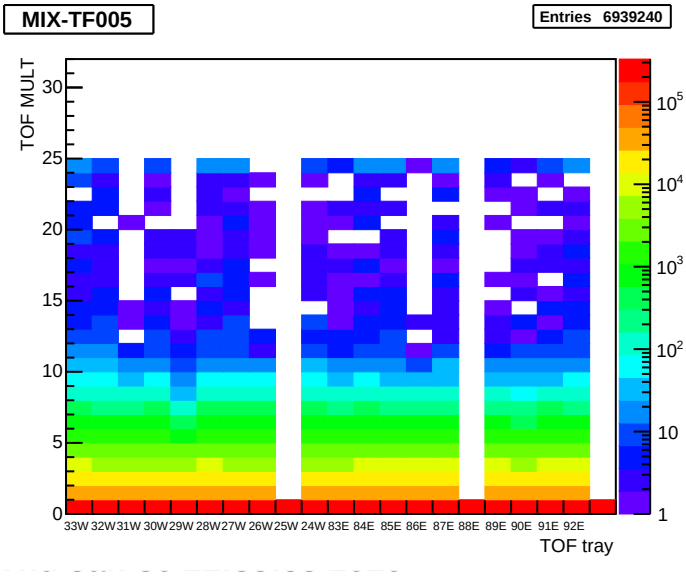

BunchId7Bit (TOFmult window)
Entries 17057
10^2
0 20 40 60 80 100 120

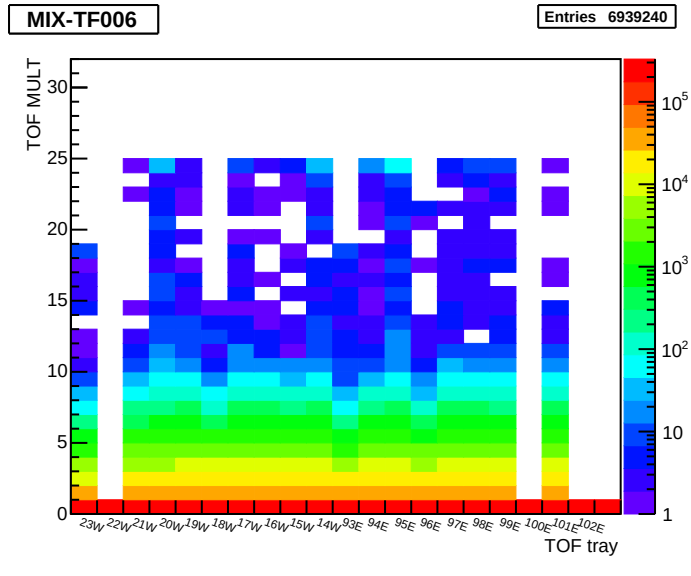

MIX-TF001
Entries 6939240
TOF MULT
TOF tray

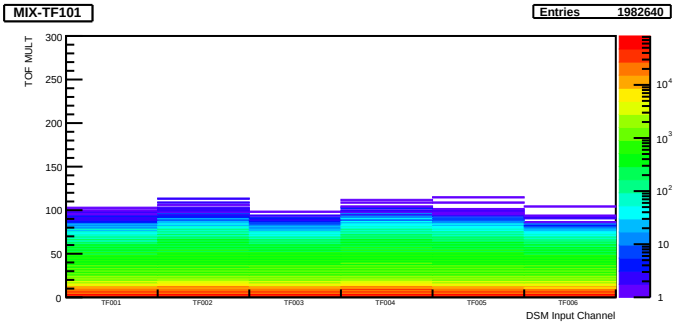

MIX-TF002
Entries 6939240
TOF MULT
TOF tray

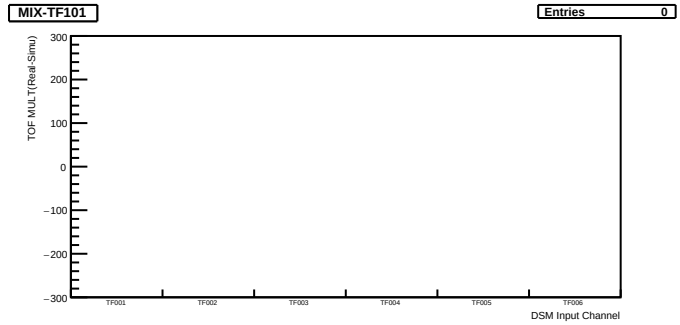

MIX-TF003
Entries 6939240
TOF MULT
TOF tray

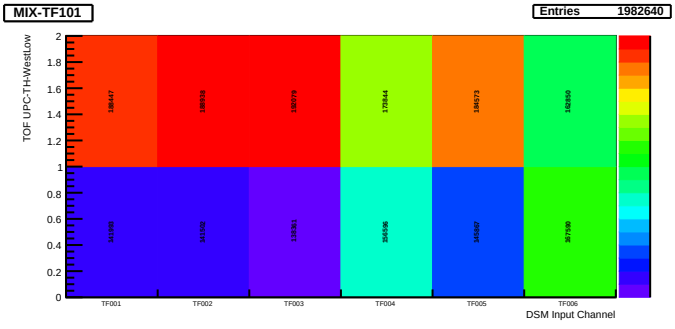

MIX-TF004
Entries 6939240
TOF MULT
TOF tray

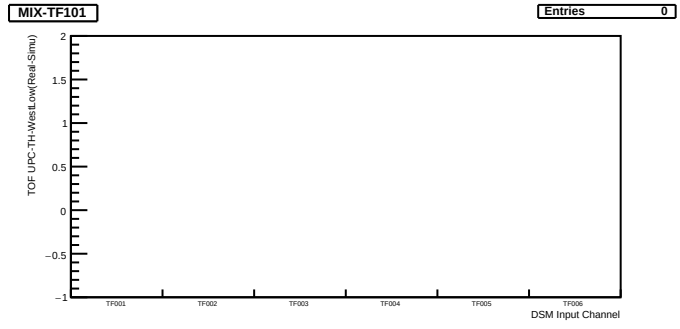

MIX-TF005
Entries 6939240
TOF MULT
TOF tray

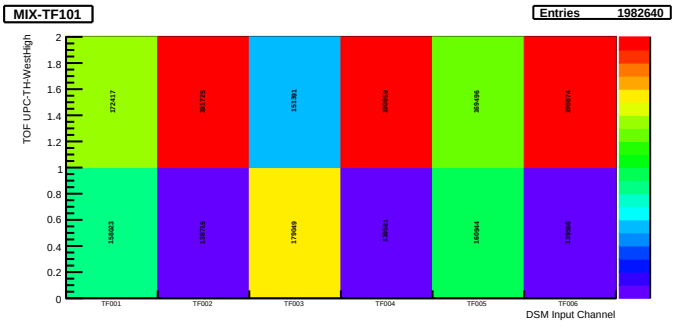

MIX-TF006
Entries 6939240
TOF MULT
TOF tray

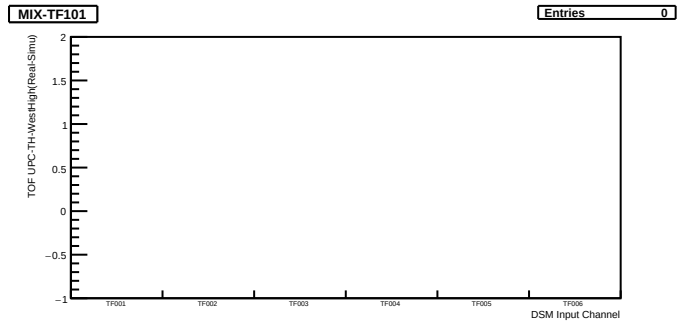

MIX-TF101
Entries 1982640
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

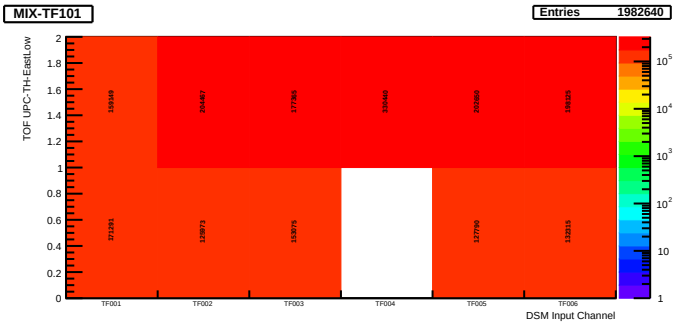

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

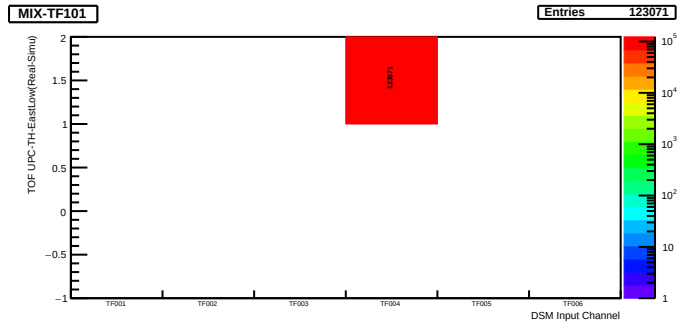

MIX-TF101
Entries 1982640
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

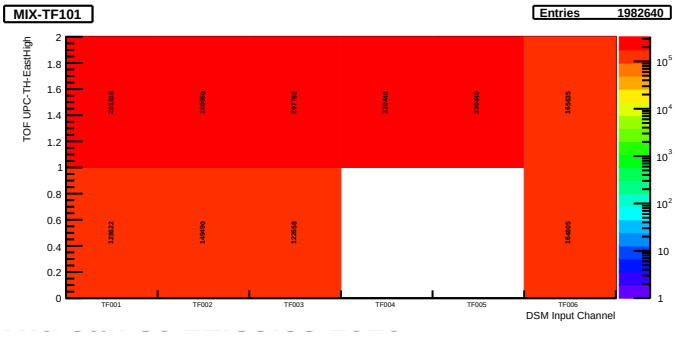

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

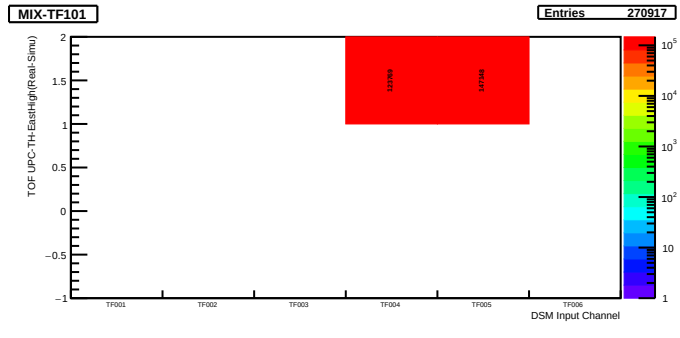

MIX-TF101
Entries 1982640
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

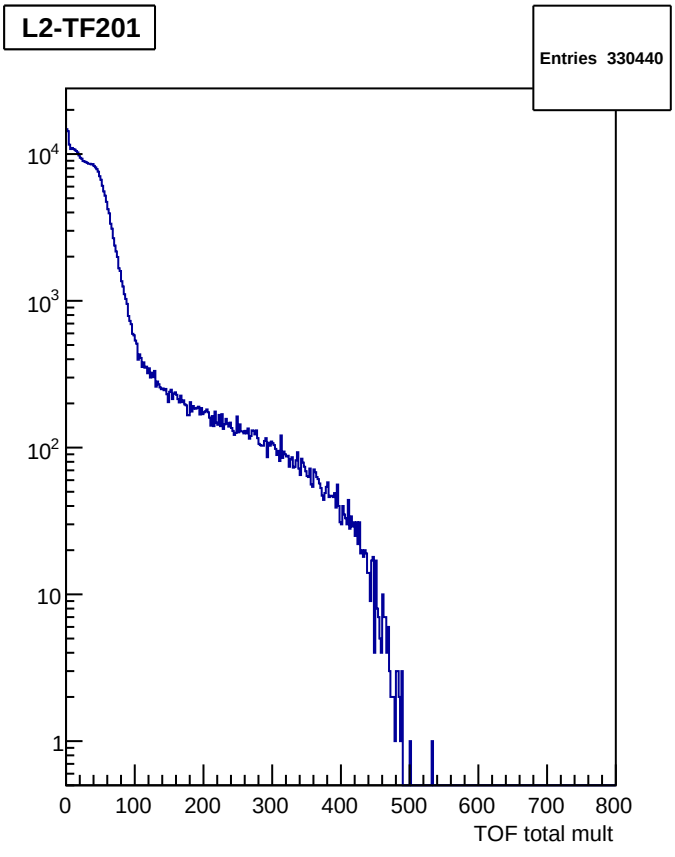

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

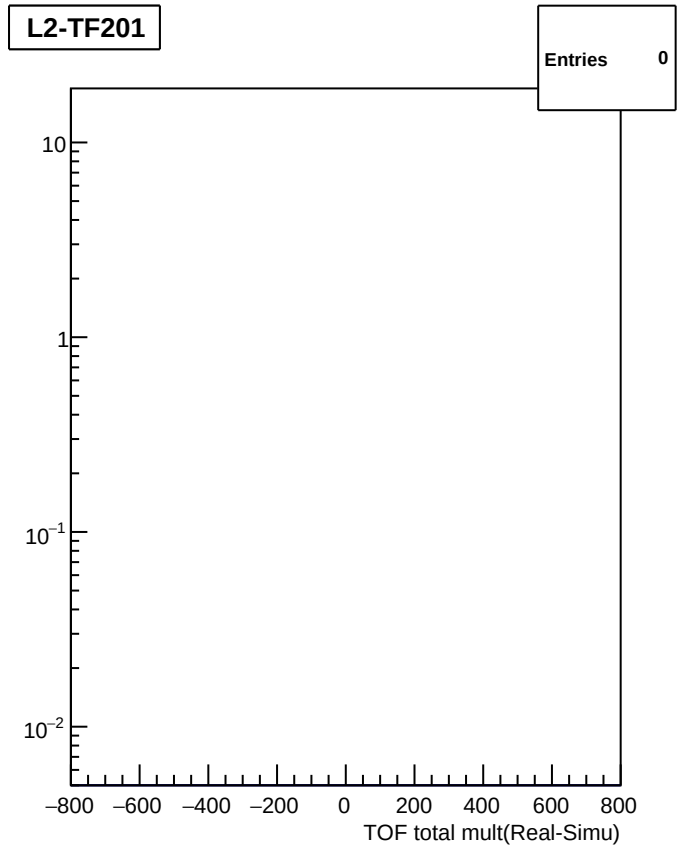

MIX-TF101
Entries 1982640
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

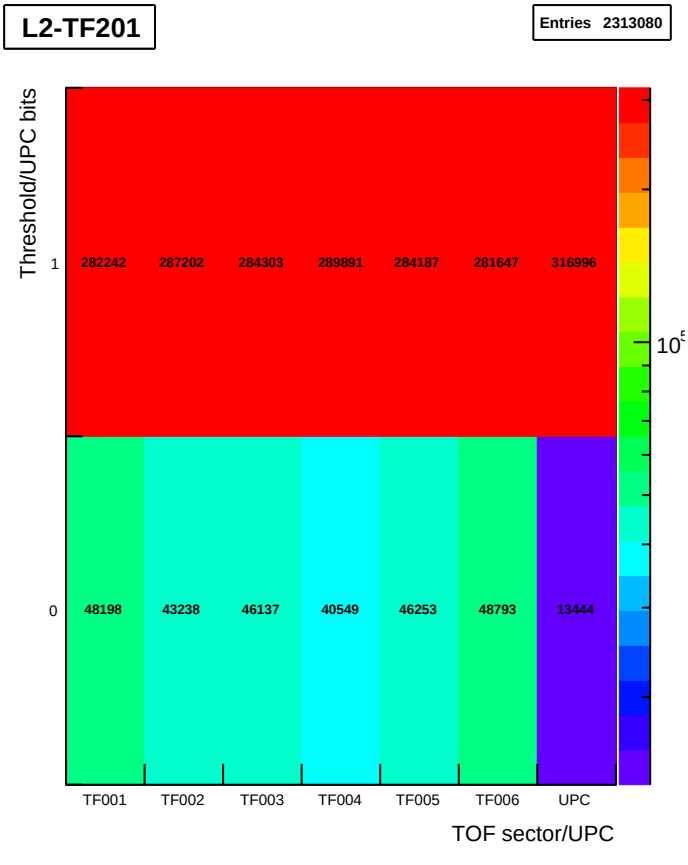

MIX-TF101
Entries 123071
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

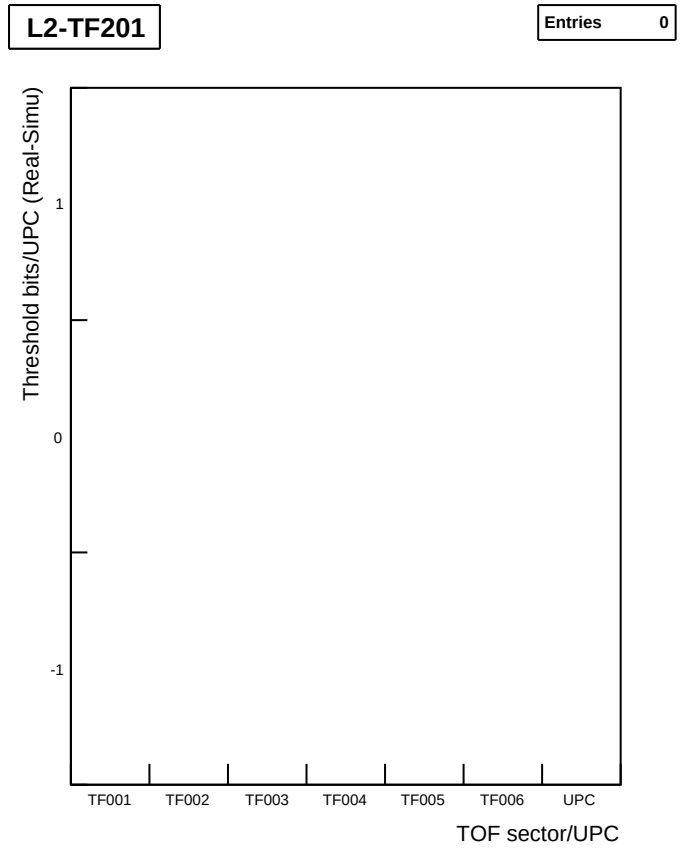

MIX-TF101
Entries 1982640
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

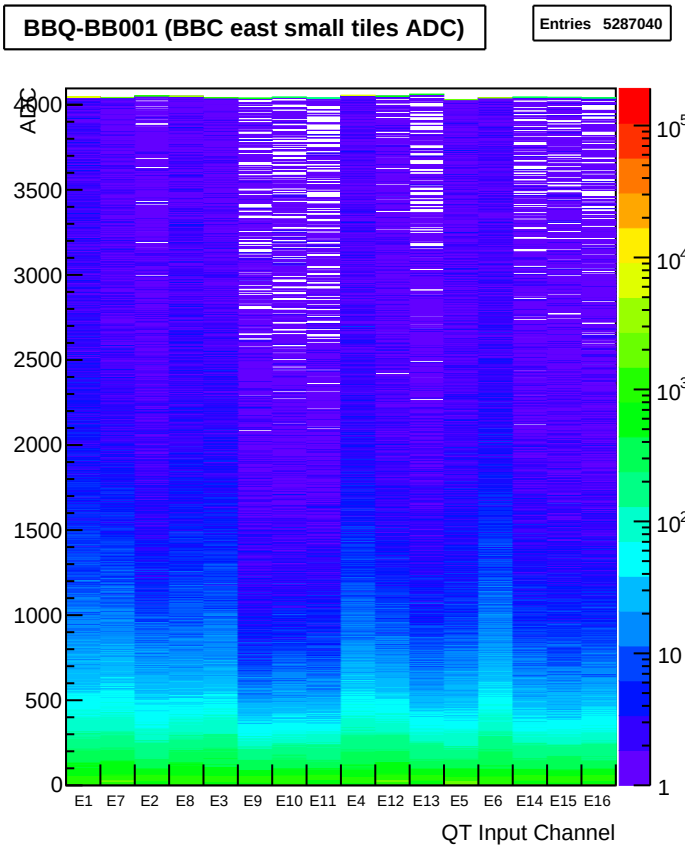

MIX-TF101
Entries 270917
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

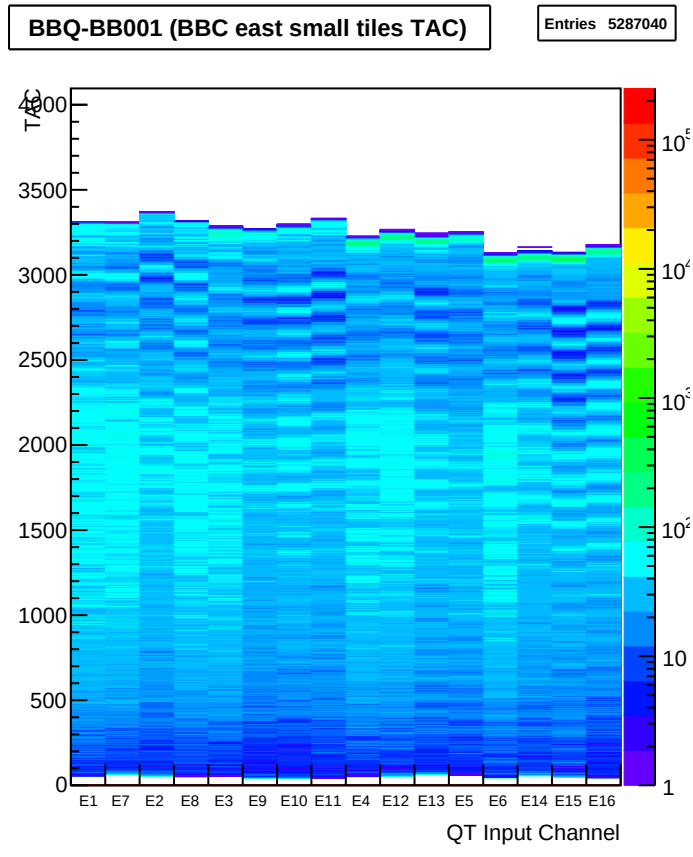

L2-TF201
Entries 330440
TOF total mult

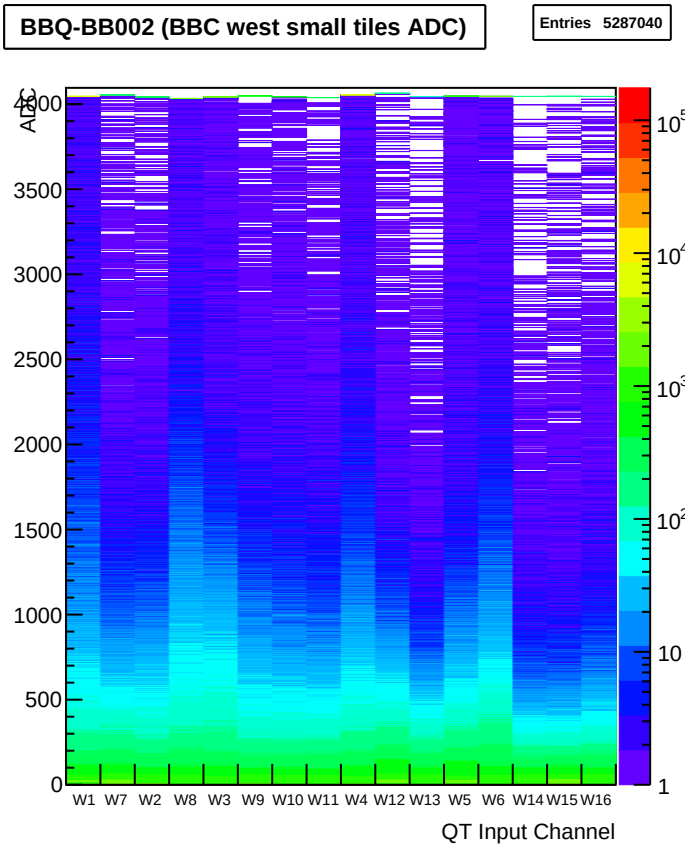

L2-TF201
Entries 0
TOF total mult(Real-Simu)

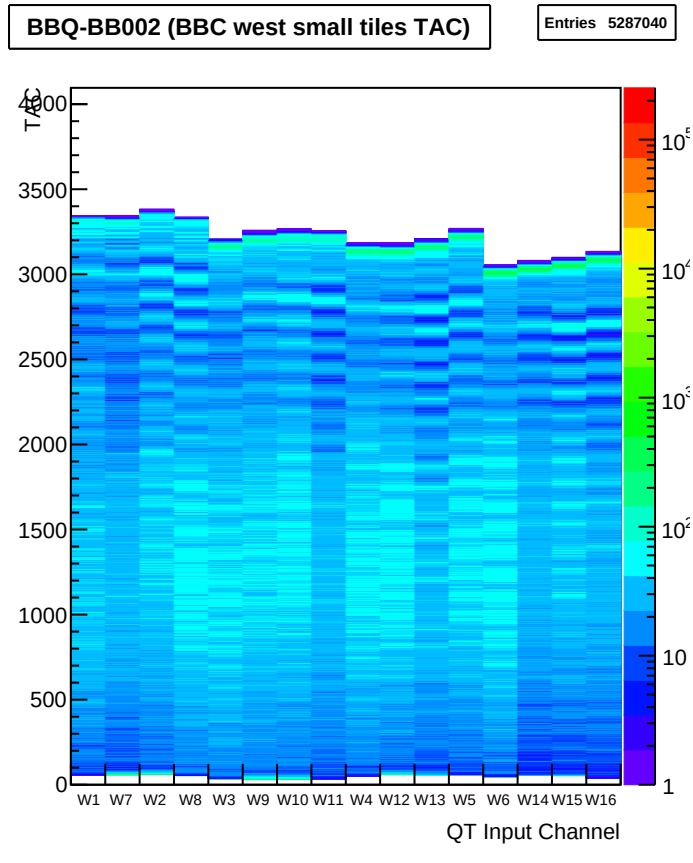

L2-TF201
Entries 2313080
Threshold/UPC bits
282242
287202
284303
289891
284187
281647
316996
48198
43238
46137
40549
46253
48793
13444
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

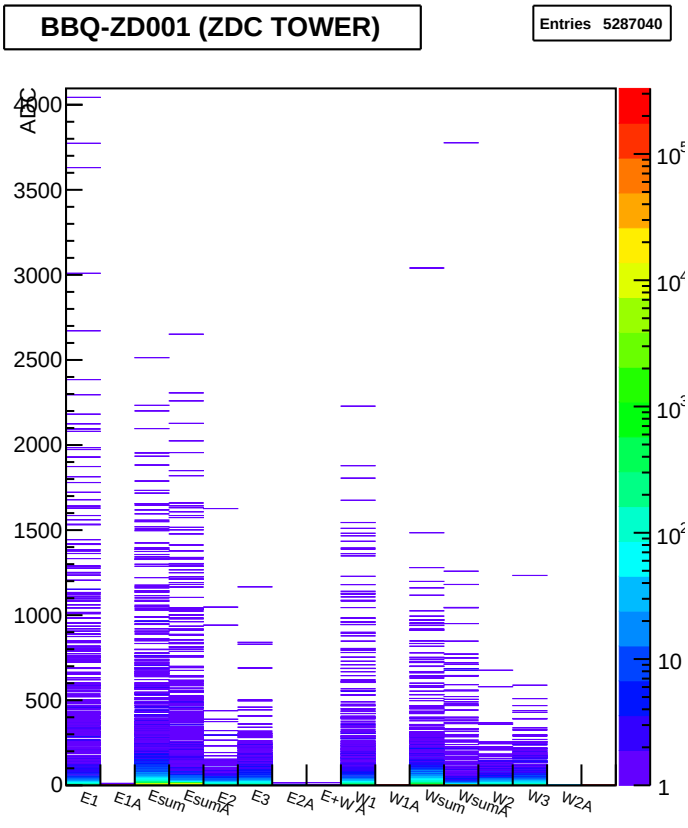

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

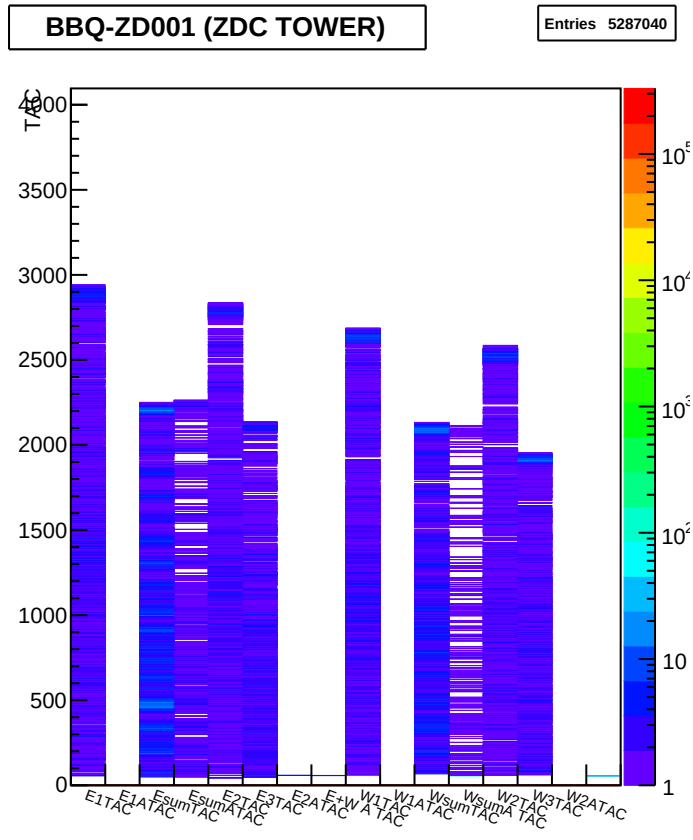

BBQ-BB001 (BBC east small tiles ADC)
Entries 5287040
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

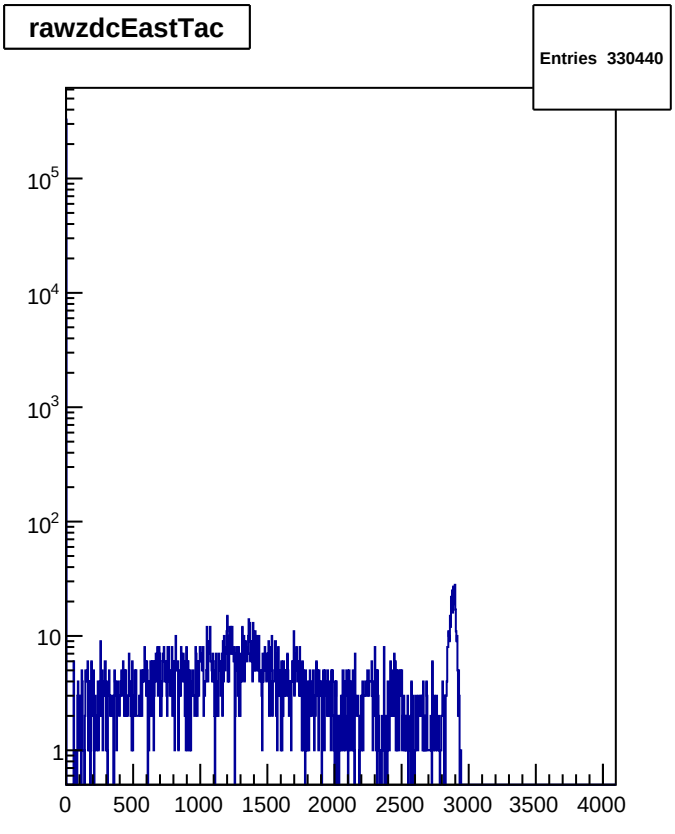

BBQ-BB001 (BBC east small tiles TAC)
Entries 5287040
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

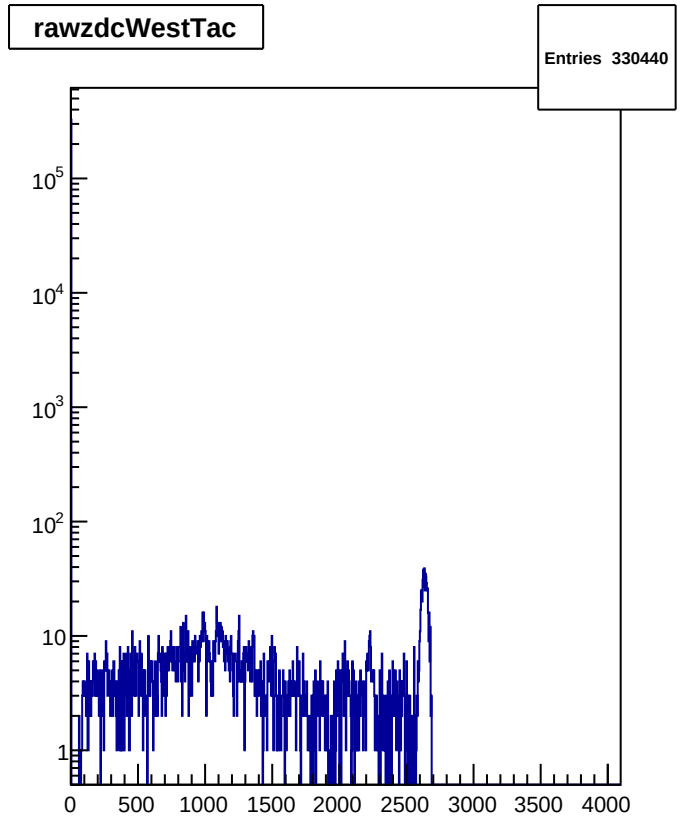

BBQ-BB002 (BBC west small tiles ADC)
Entries 5287040
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

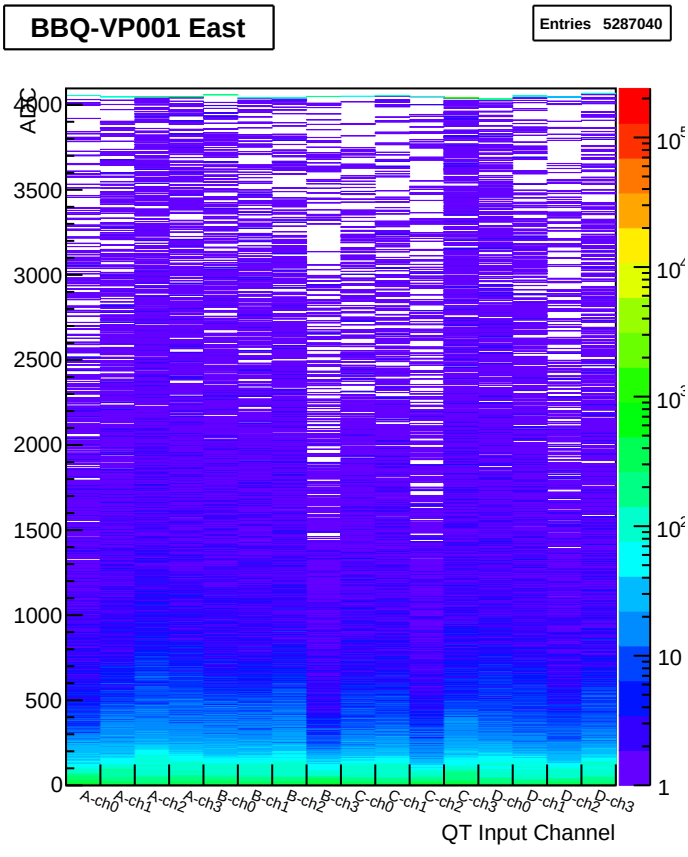

BBQ-BB002 (BBC west small tiles TAC)
Entries 5287040
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

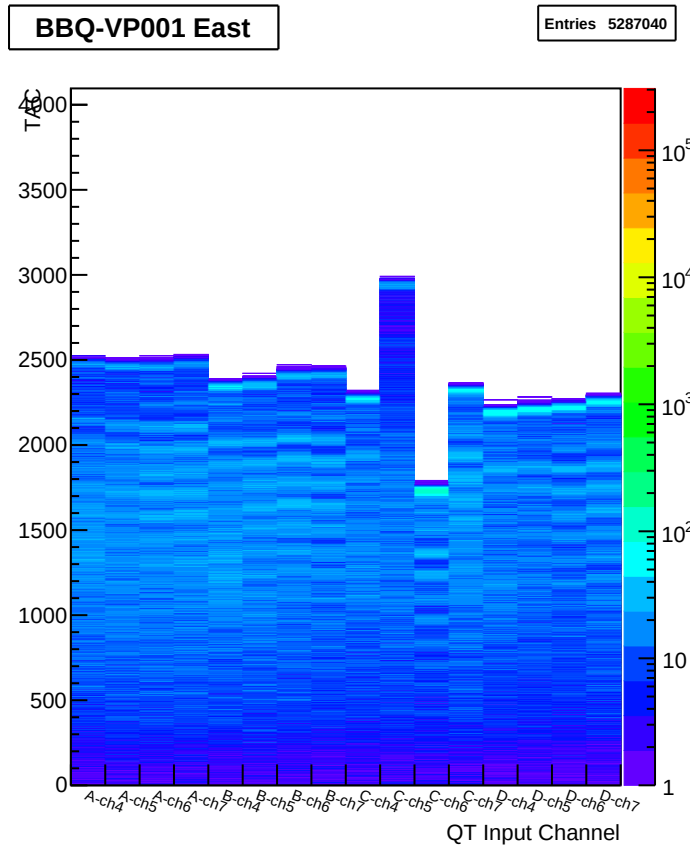

BBQ-ZD001 (ZDC TOWER)
Entries 5287040
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

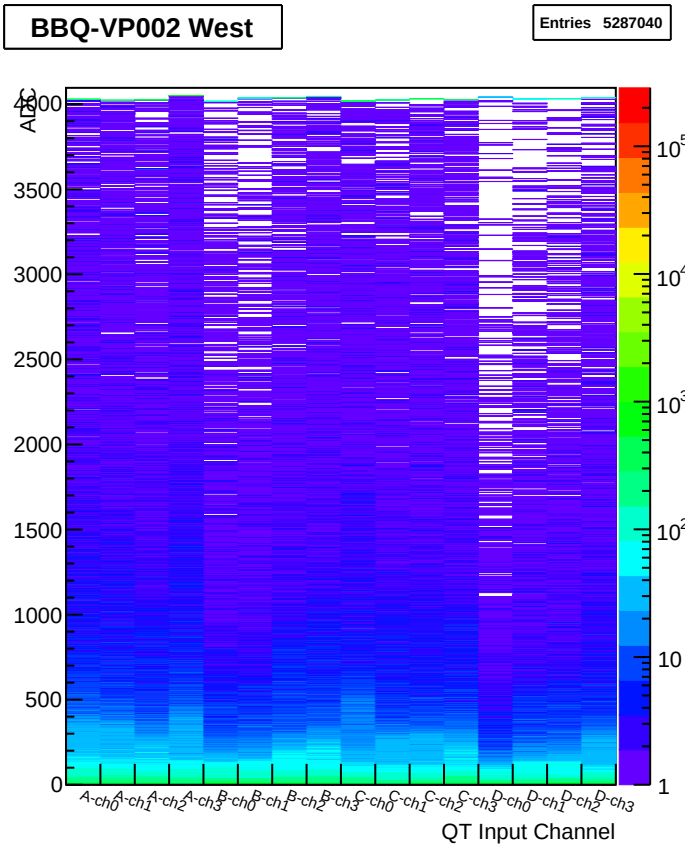

BBQ-ZD001 (ZDC TOWER)
Entries 5287040
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

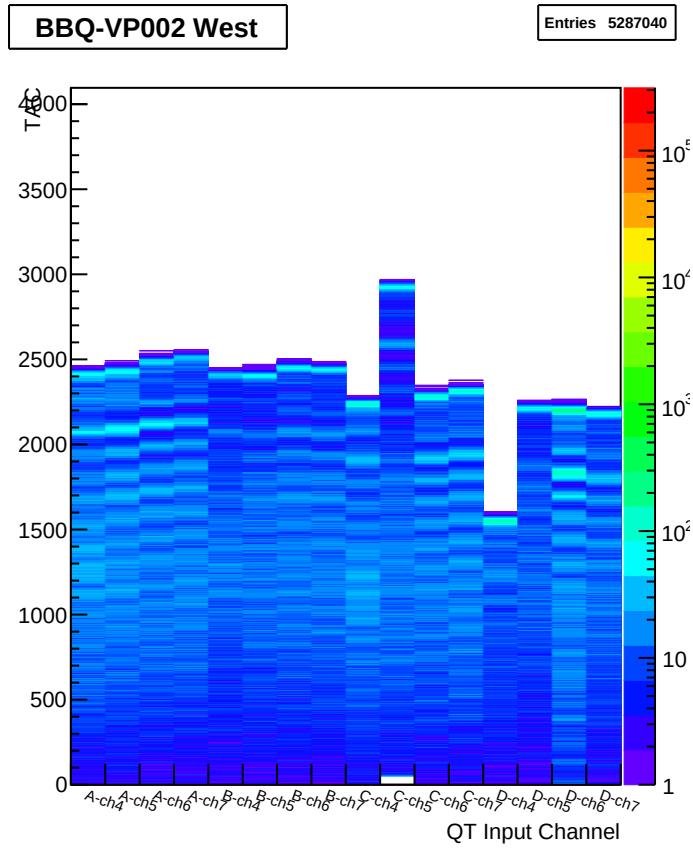

rawzdcEastTac
Entries 330440

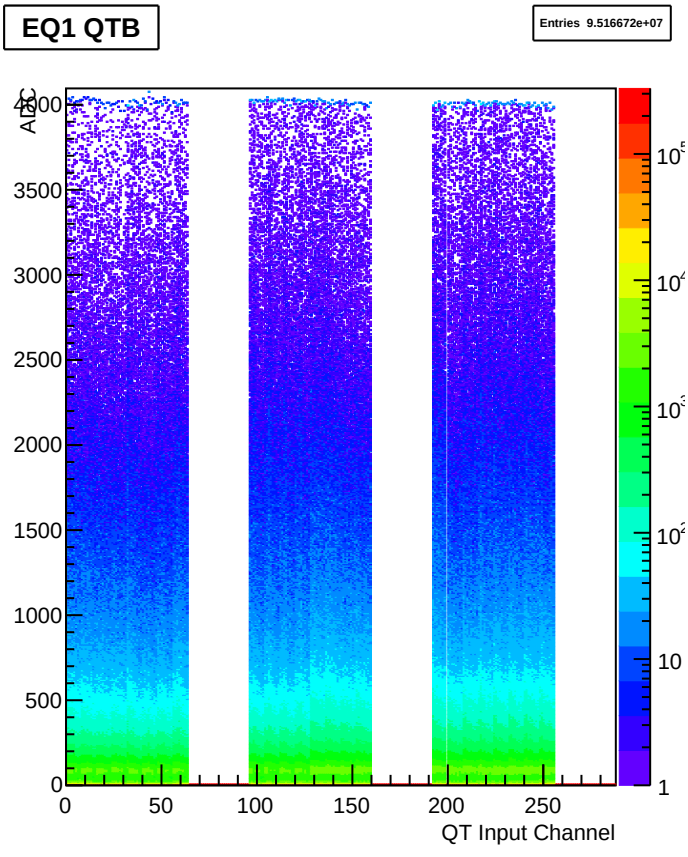

rawzdcWestTac
Entries 330440

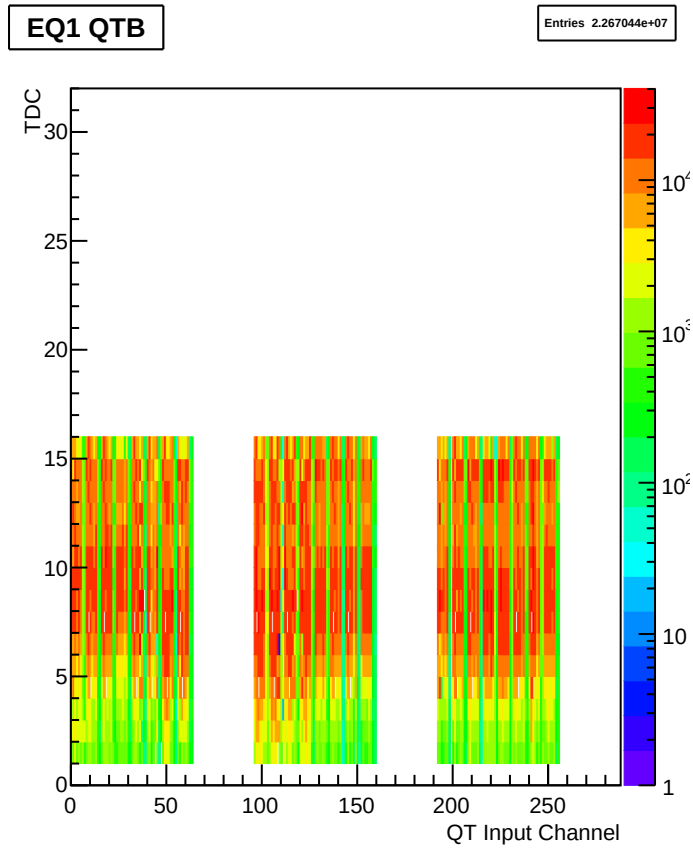

BBQ-VP001 East
Entries 5287040
ADC
QT Input Channel

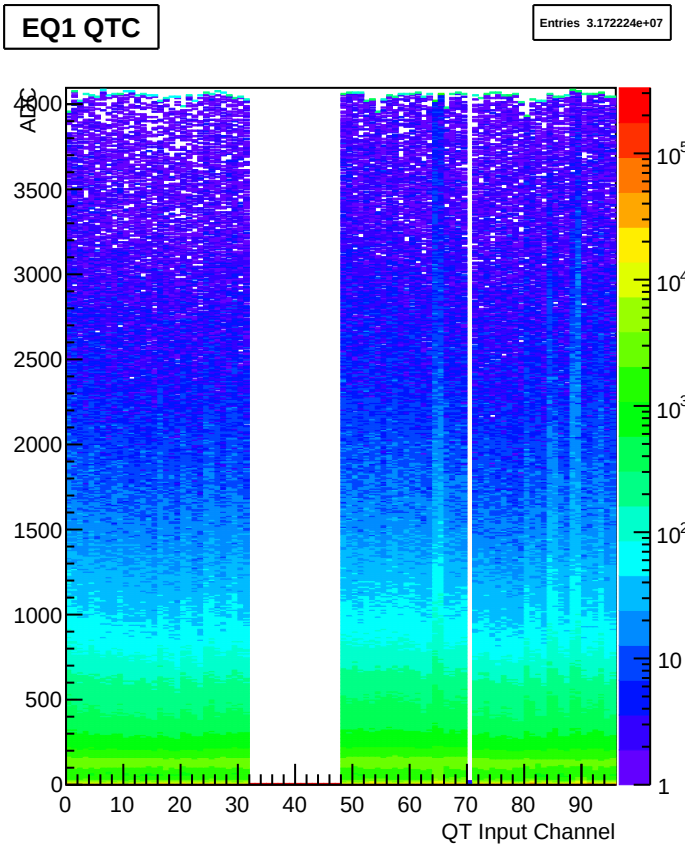

BBQ-VP001 East
Entries 5287040
TADC
QT Input Channel

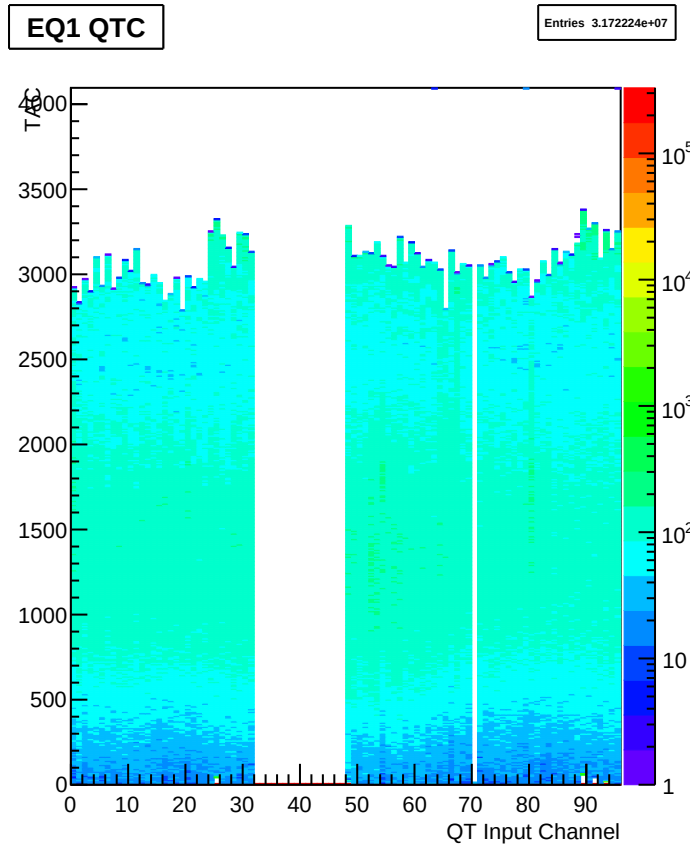

BBQ-VP002 West
Entries 5287040
ADC
QT Input Channel

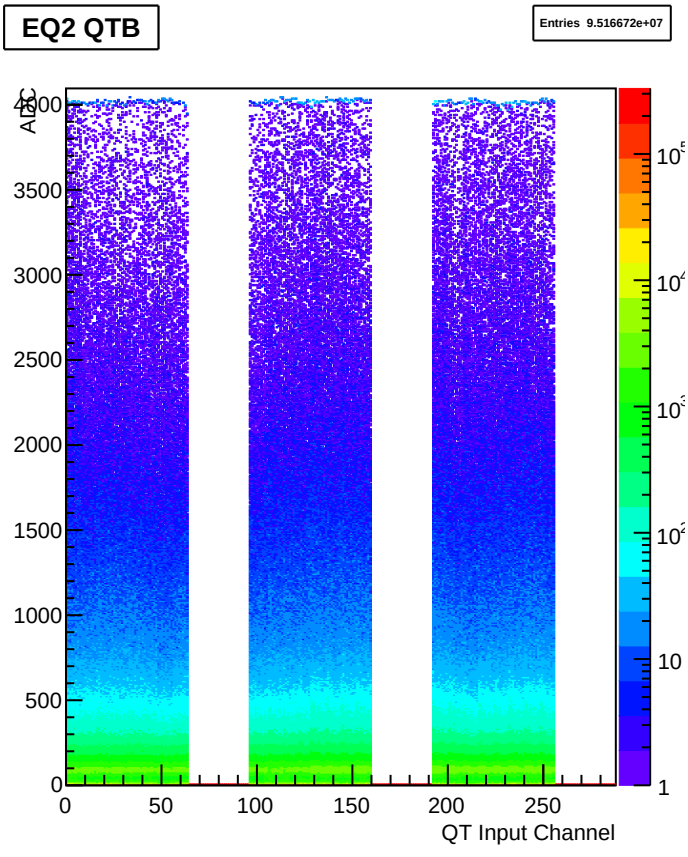

BBQ-VP002 West
Entries 5287040
TADC
QT Input Channel

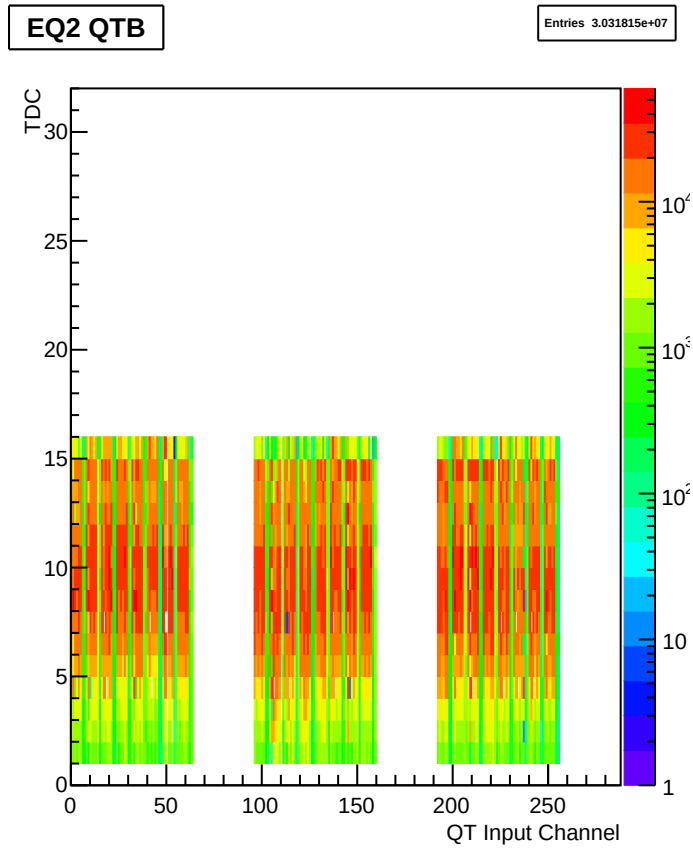

EQ1 QTB
Entries 9.516672e+07
ADC
QT Input Channel

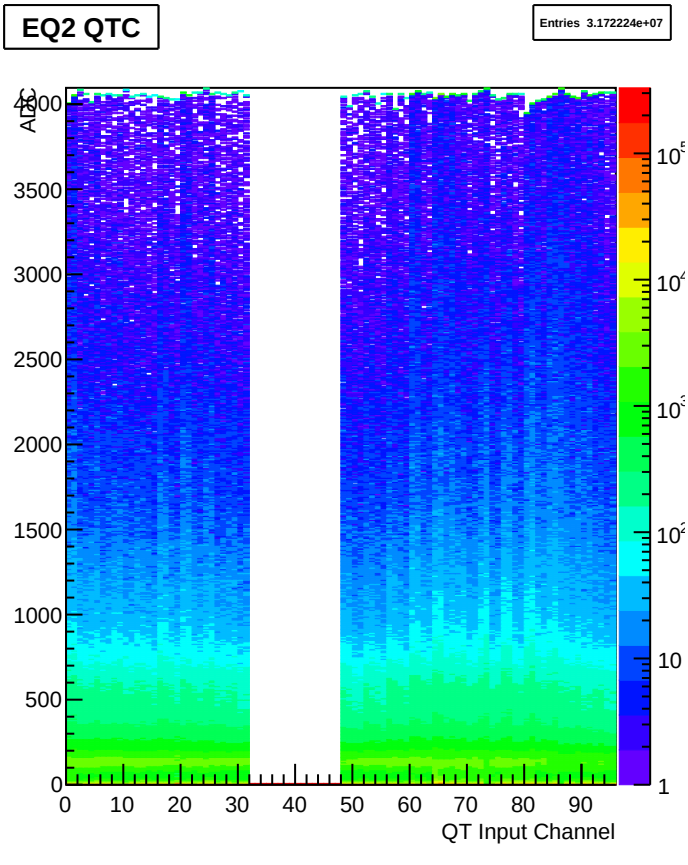

EQ1 QTB
Entries 2.267044e+07
TDC
QT Input Channel

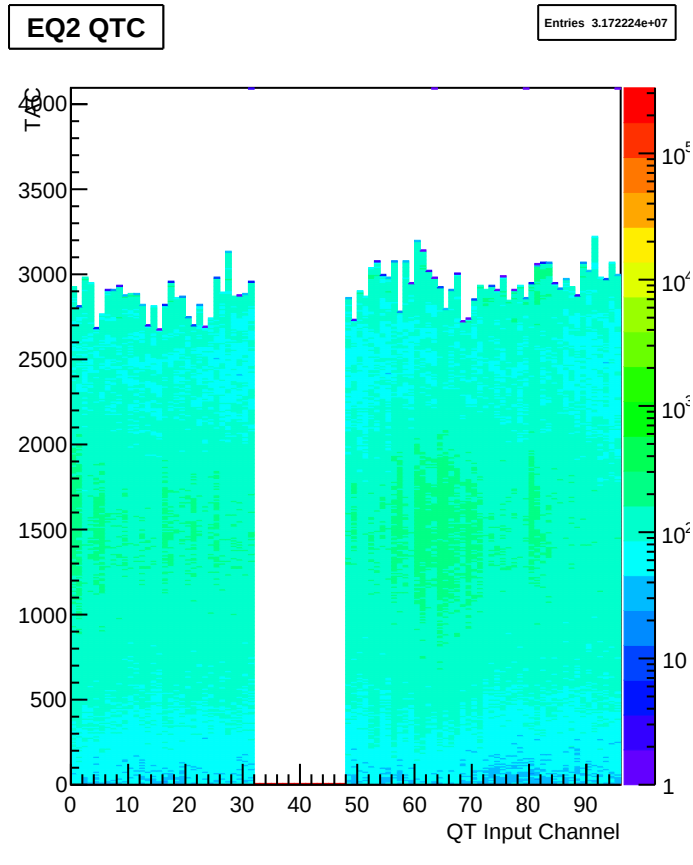

EQ1 QTC
Entries 3.172224e+07
ADC
QT Input Channel

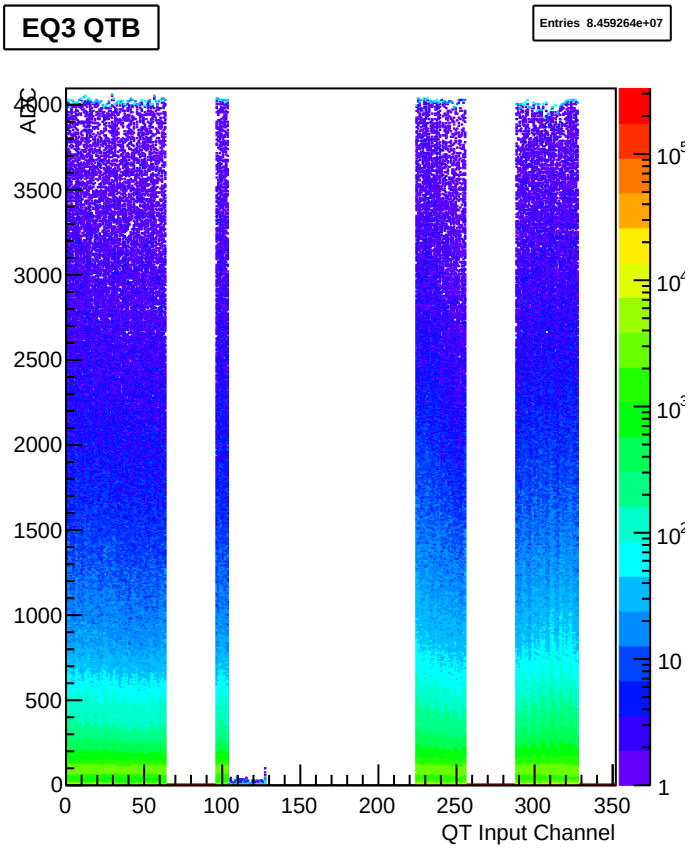

EQ1 QTC
Entries 3.172224e+07
TADC
QT Input Channel

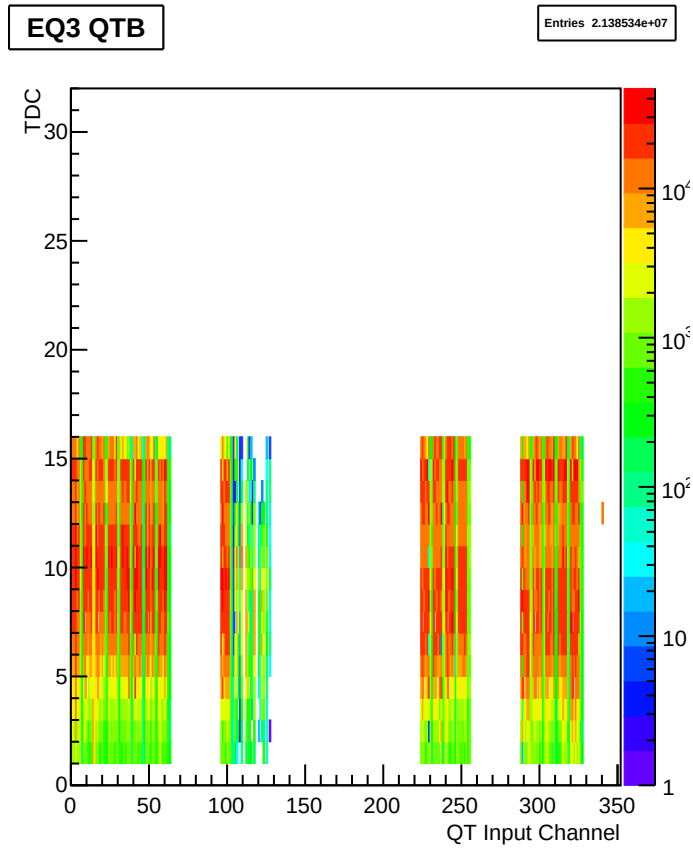

EQ2 QTB
Entries 9.516672e+07
ADC
QT Input Channel

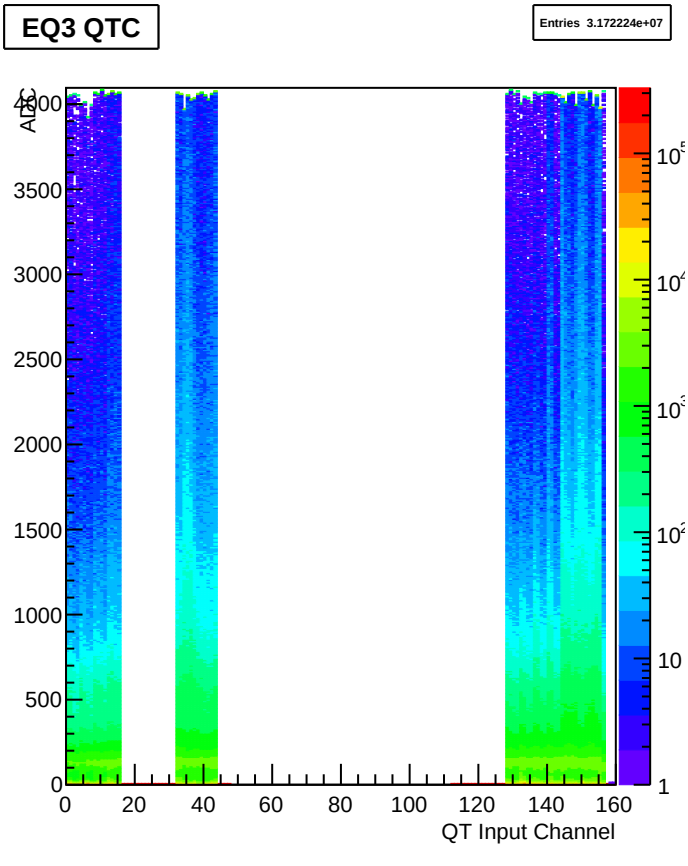

EQ2 QTB
Entries 3.031815e+07
TDC
QT Input Channel

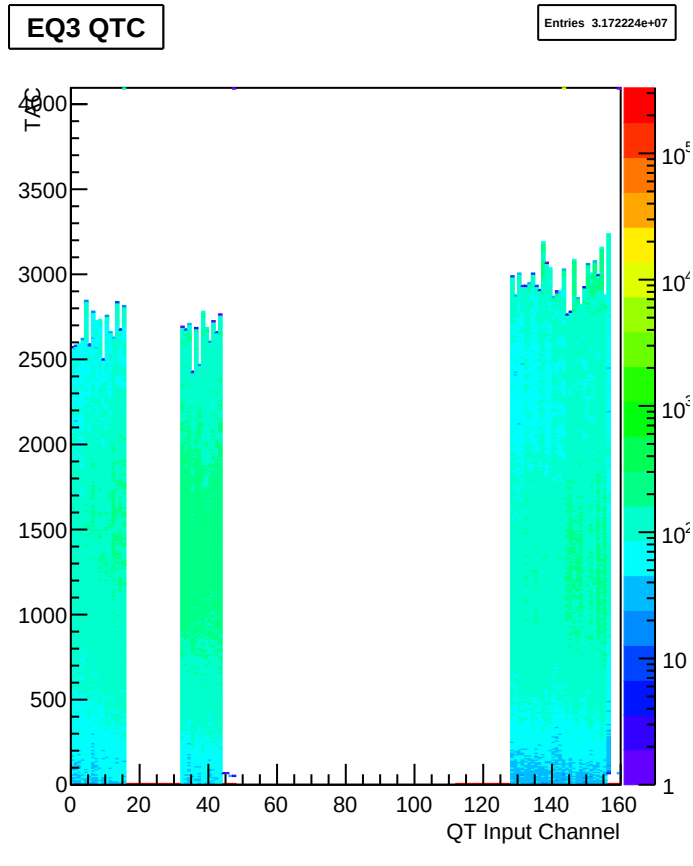

EQ2 QTC
Entries 3.172224e+07
ADC
QT Input Channel

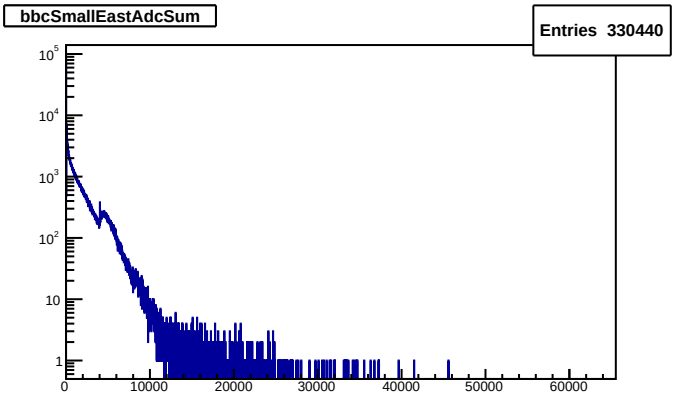

EQ2 QTC
Entries 3.172224e+07
TADC
QT Input Channel

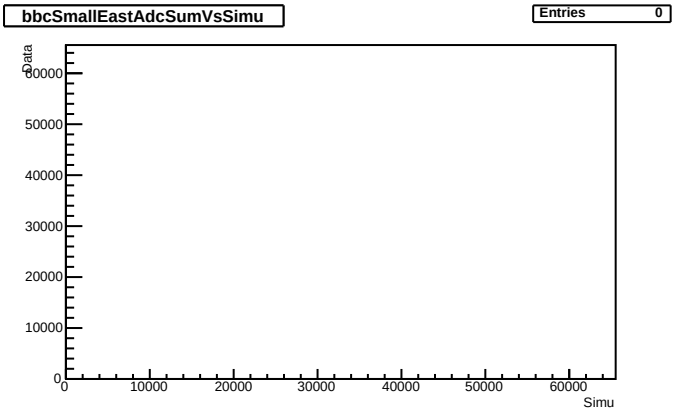

EQ3 QTB
Entries 8.459264e+07
ADC
QT Input Channel

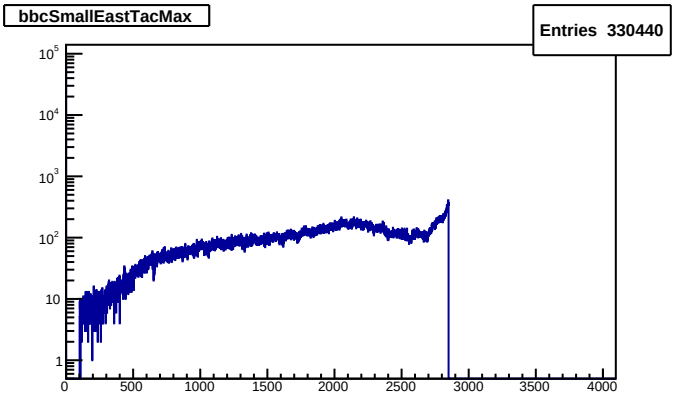

EQ3 QTB
Entries 2.138534e+07
TDC
QT Input Channel

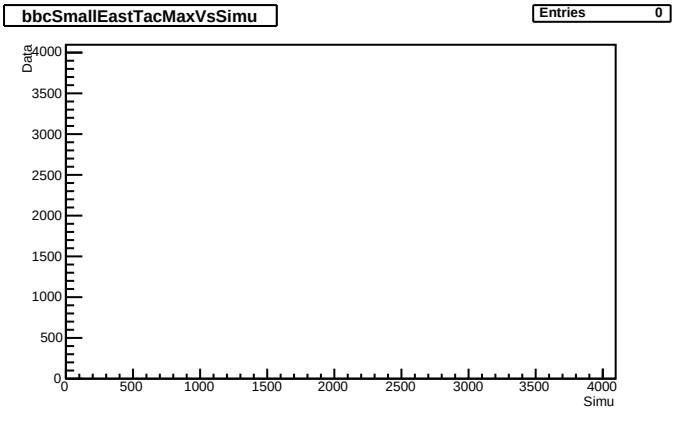

EQ3 QTC
Entries 3.172224e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.172224e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 330440


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 330440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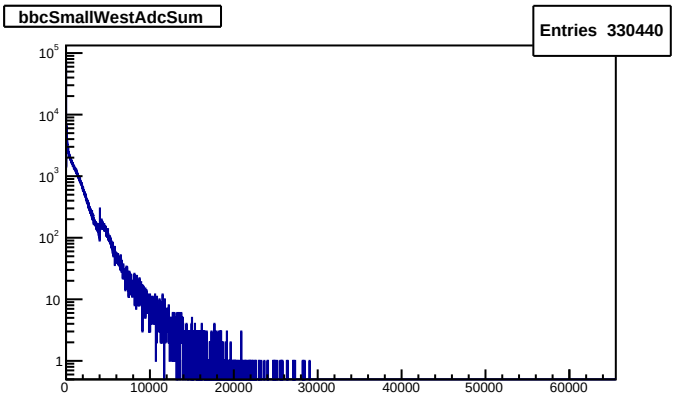
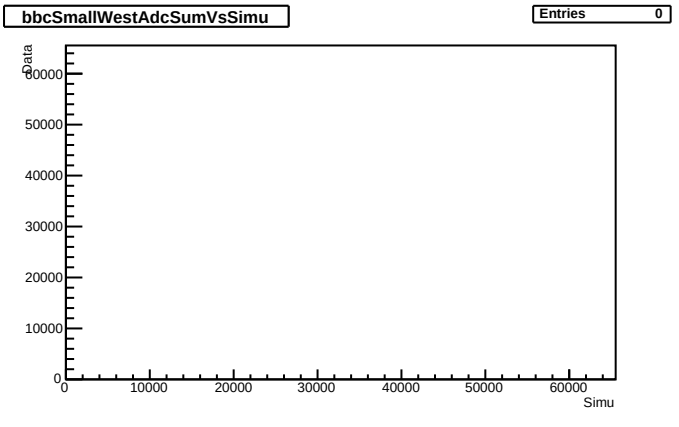
Data
Simu


bbcSmallWestAdcSum
Entries 330440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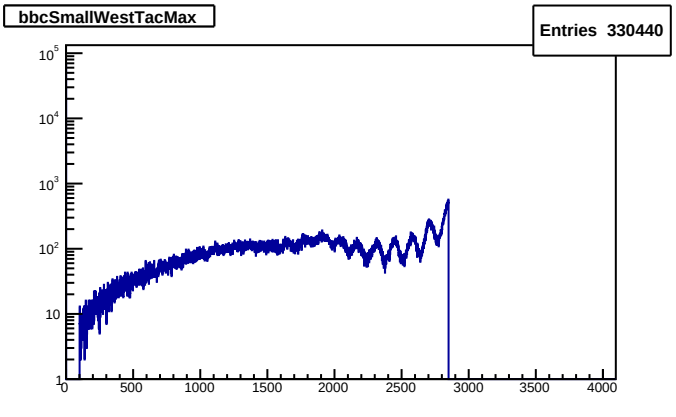
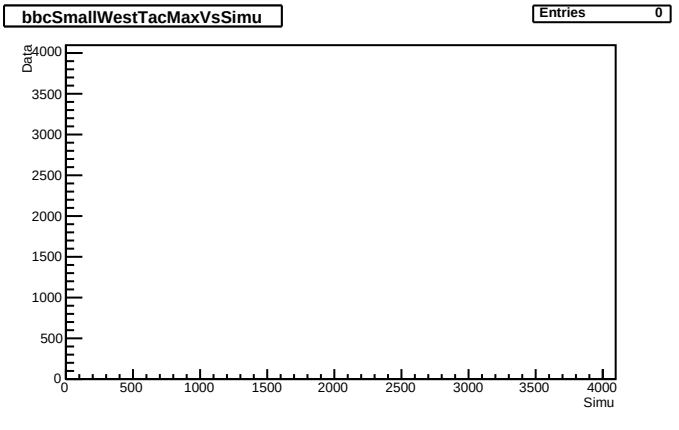
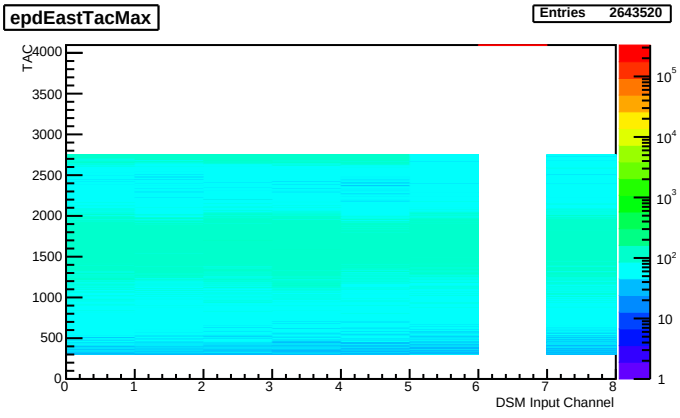
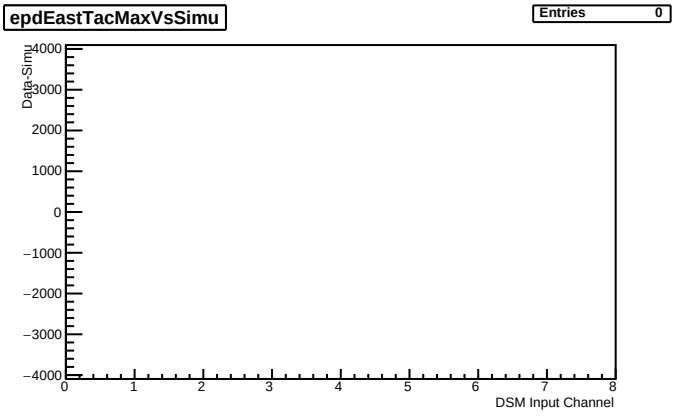
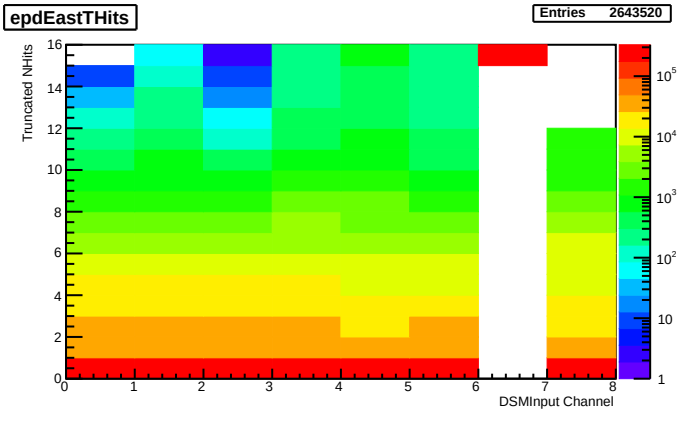
Entries 0
Data
Simu

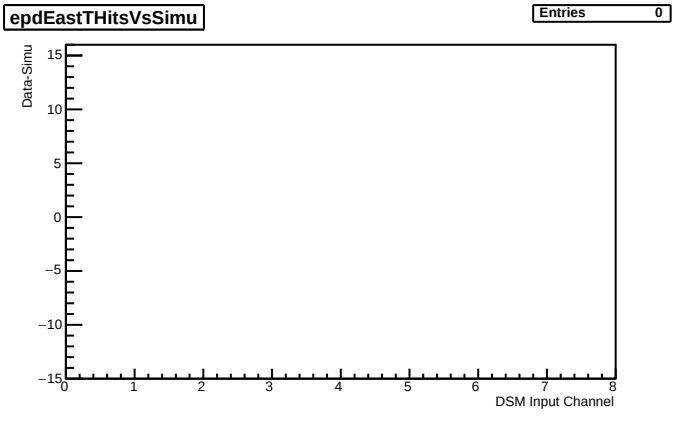

bbcSmallWestTacMax
Entries 330440


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 2643520
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2643520
Truncated NHits
DSMInput Channel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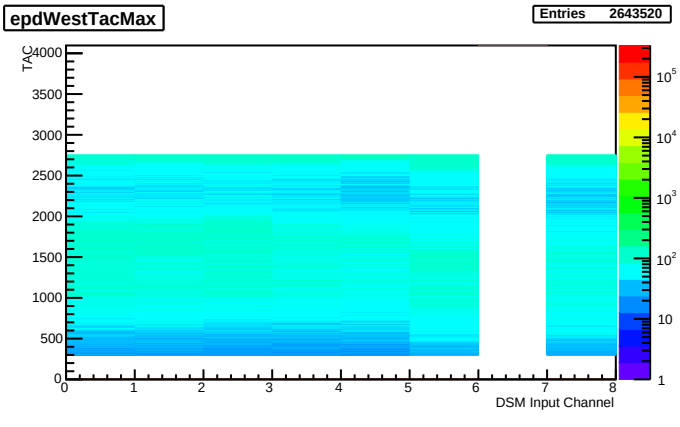
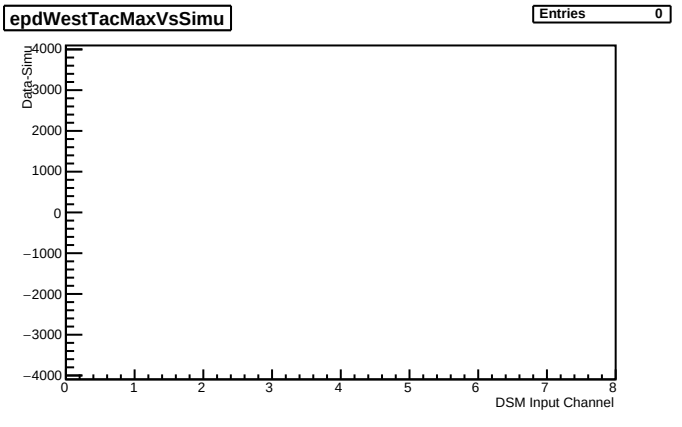
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 2643520
TAC
DSM Input Channel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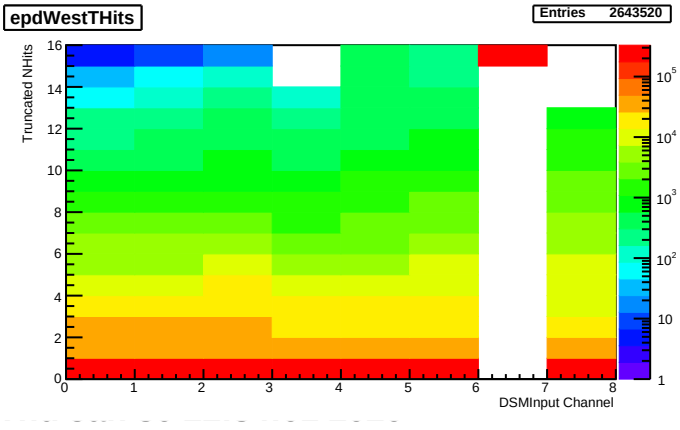
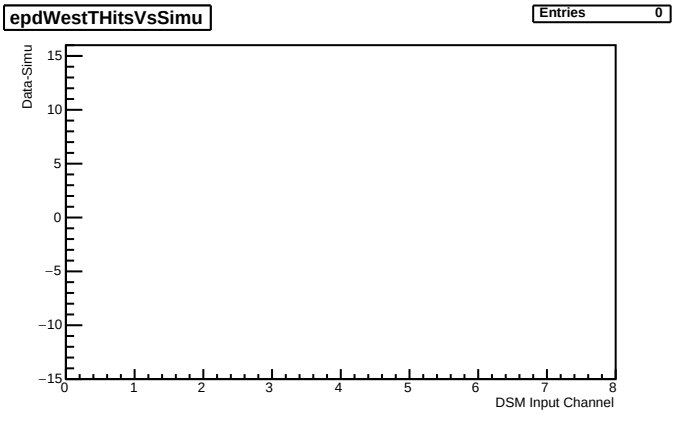
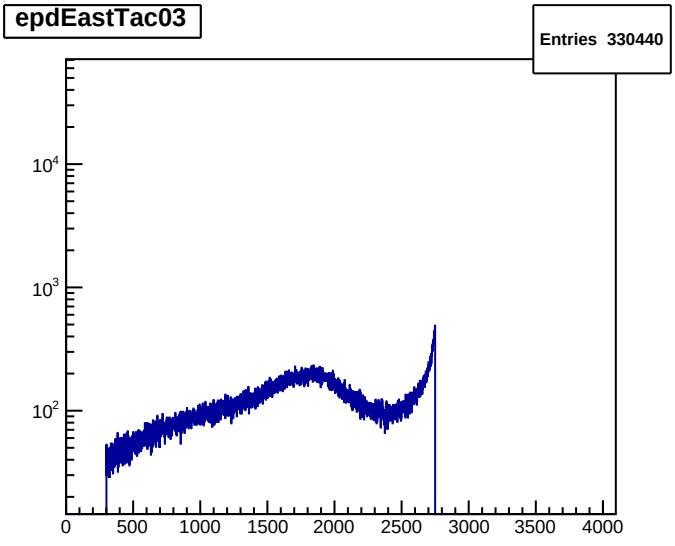
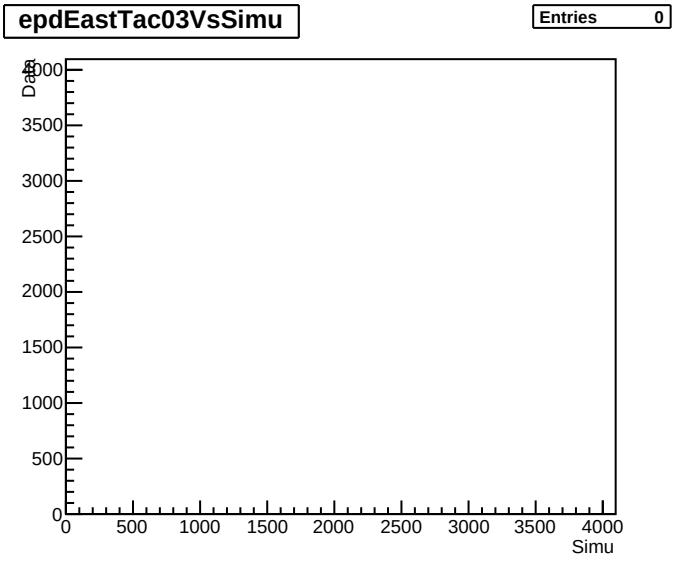
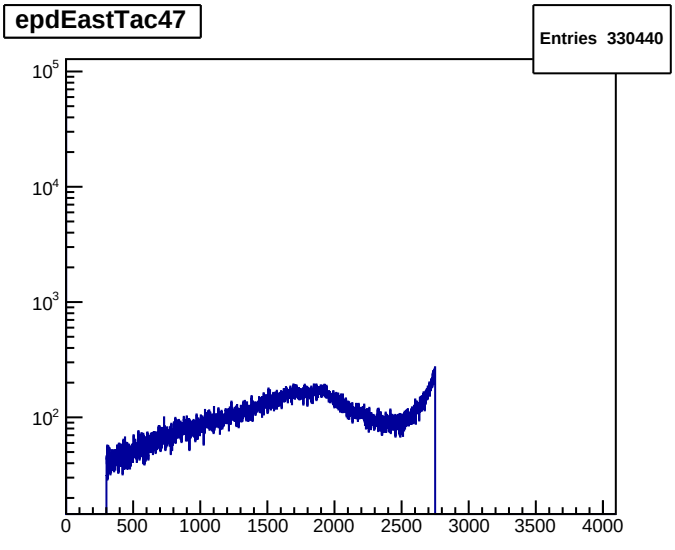
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2643520
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 330440


epdEastTac03VsSimu
Entries 0
Data
Simu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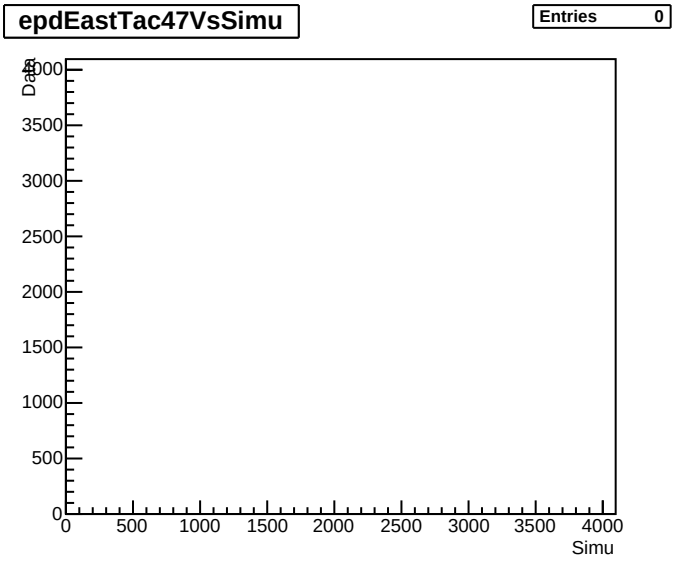
Entries 330440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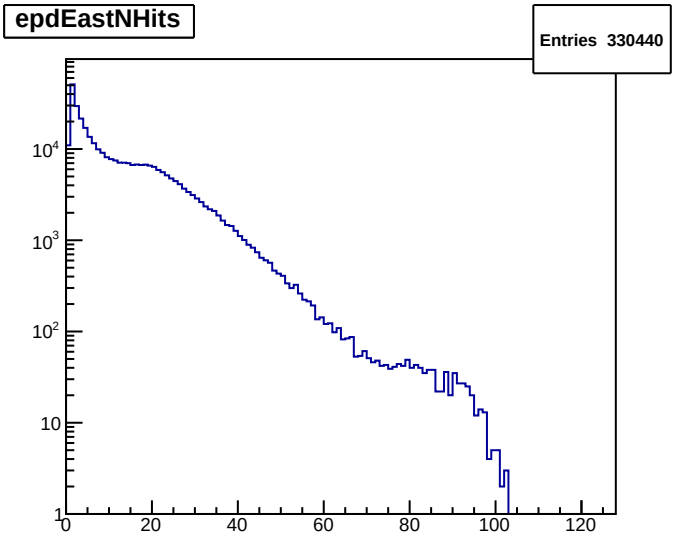
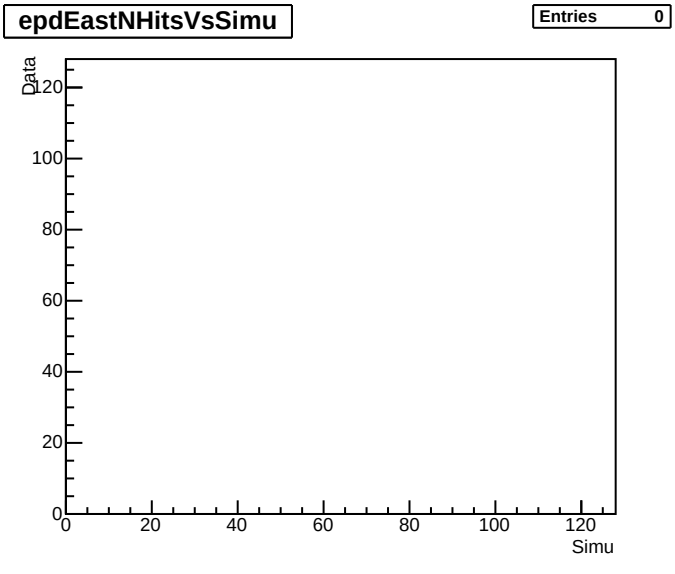
Entries 0
Data
Simu


epdEastNHits
Entries 330440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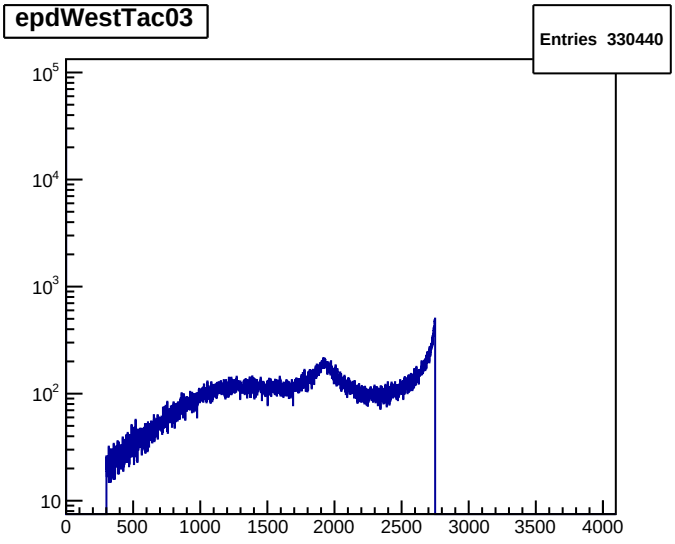
Entries 0
Data
Simu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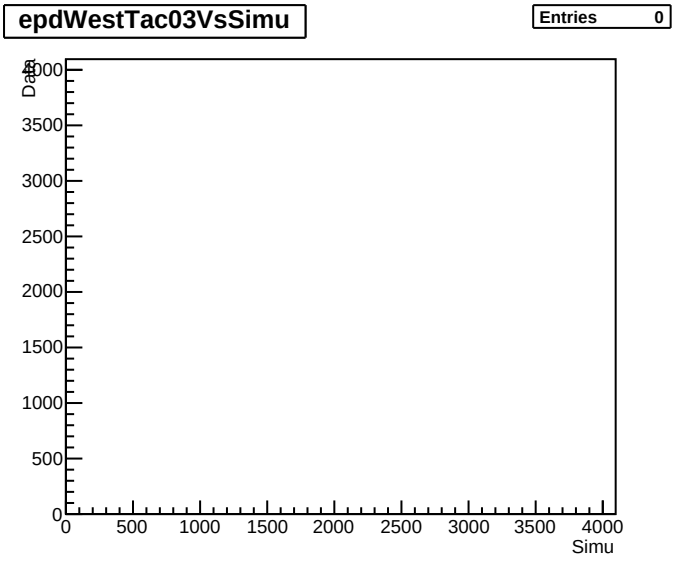
Entries 330440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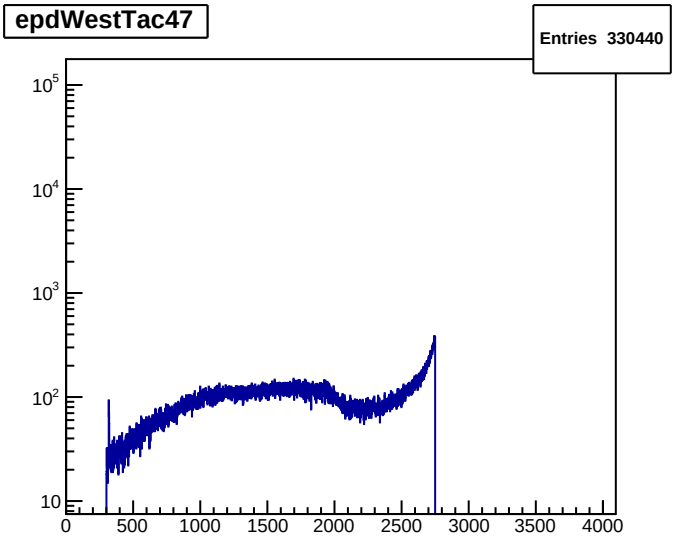
Entries 0
Data
Simu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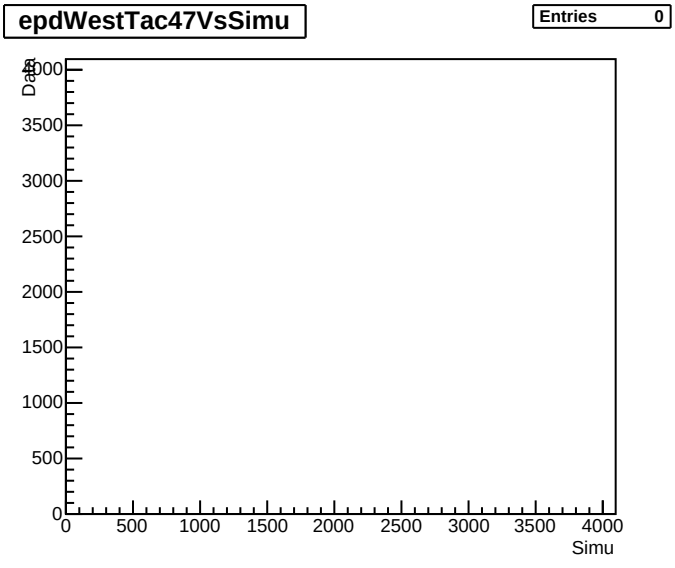
Entries 330440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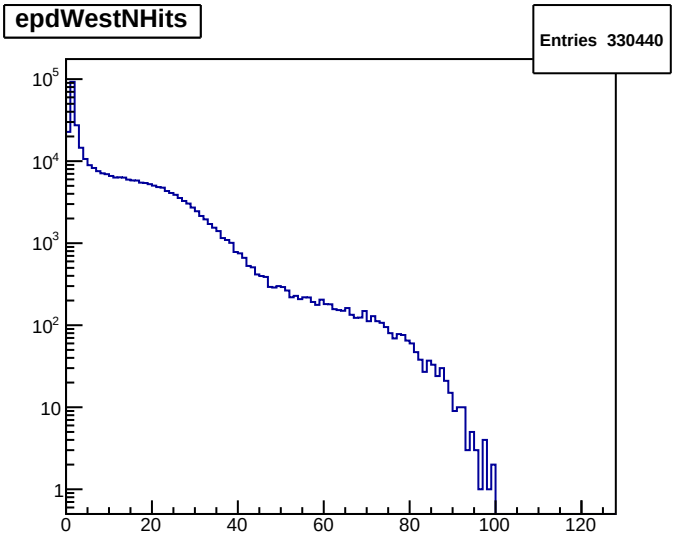
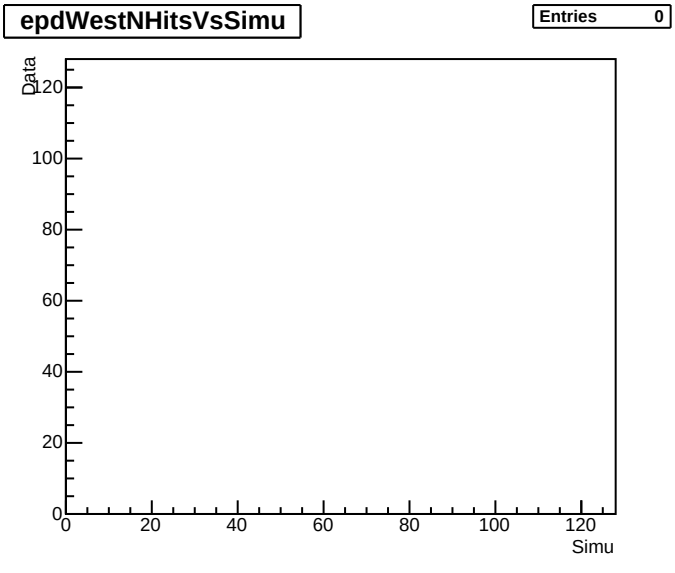
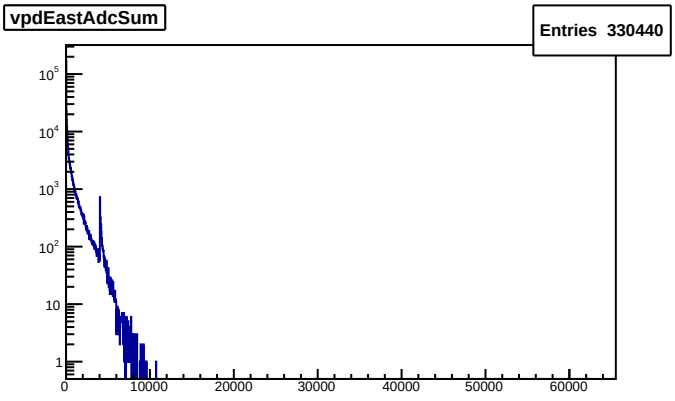
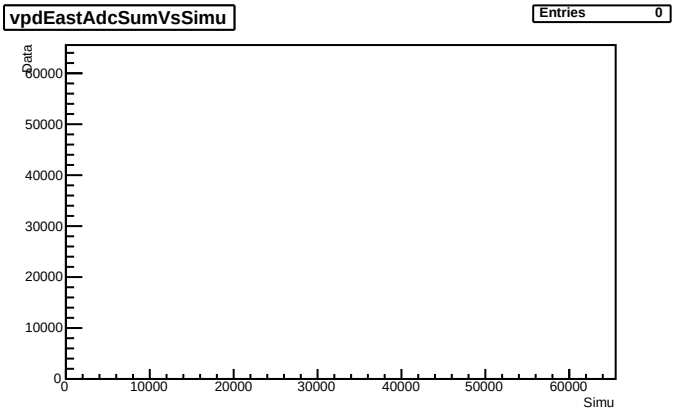
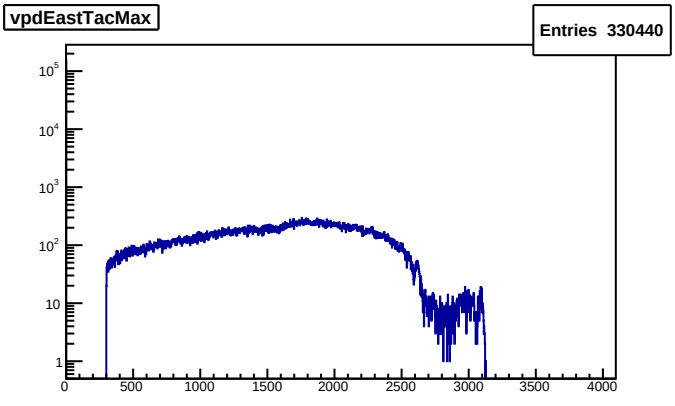
Entries 0
Data
Simu

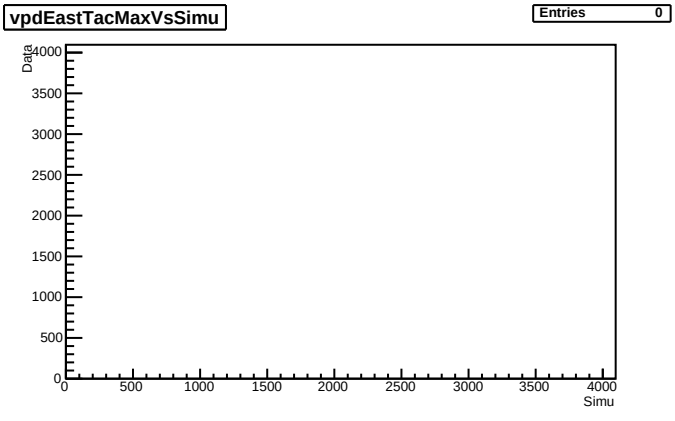

epdWestNHits
Entries 330440

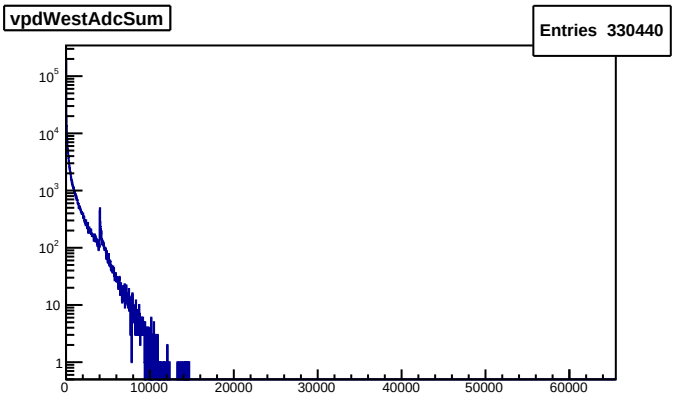

epdWestNHitsVsSimu
Entries 0
Data
Simu

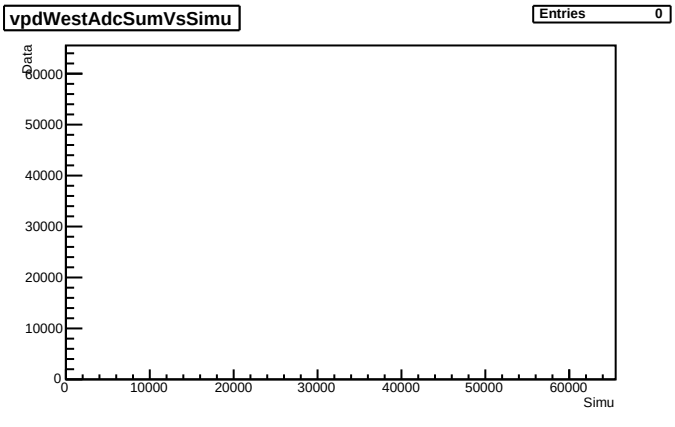

vpdEastAdcSum
Entries 330440

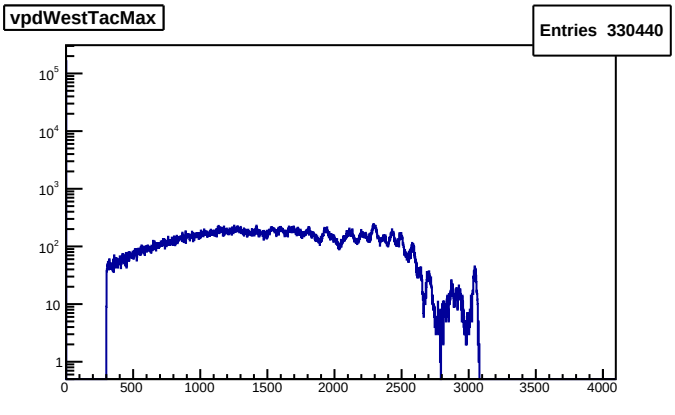

vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 330440


vpdEastTacMaxVsSimu
Entries 0
Data
Simu


vpdWestAdcSum
Entries 330440


vpdWestAdcSumVsSimu
Entries 0
Data
Simu


vpdWestTacMax
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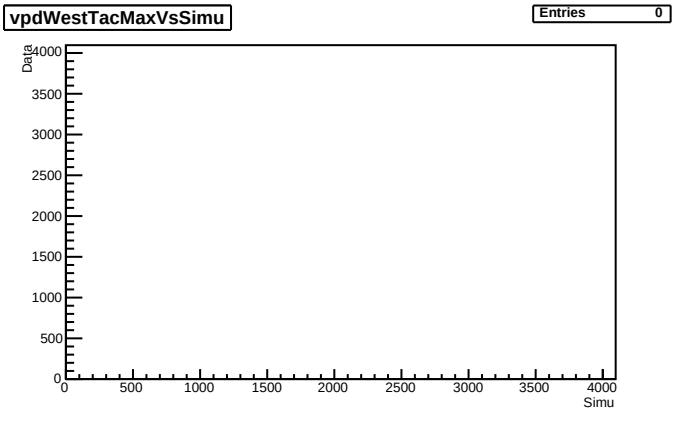
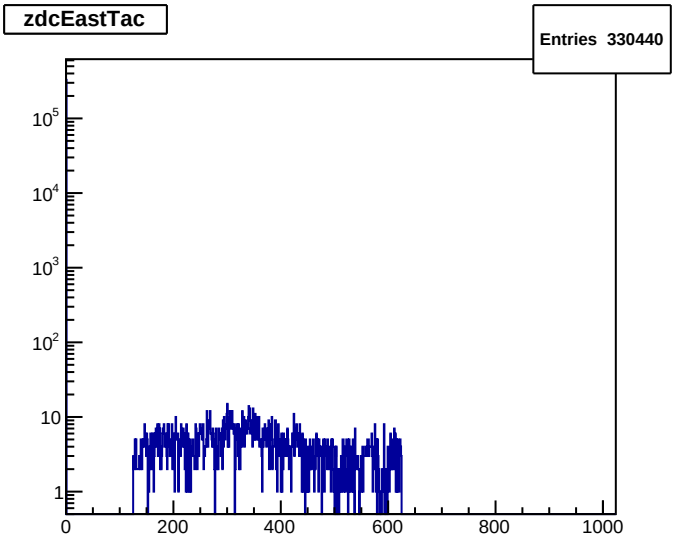
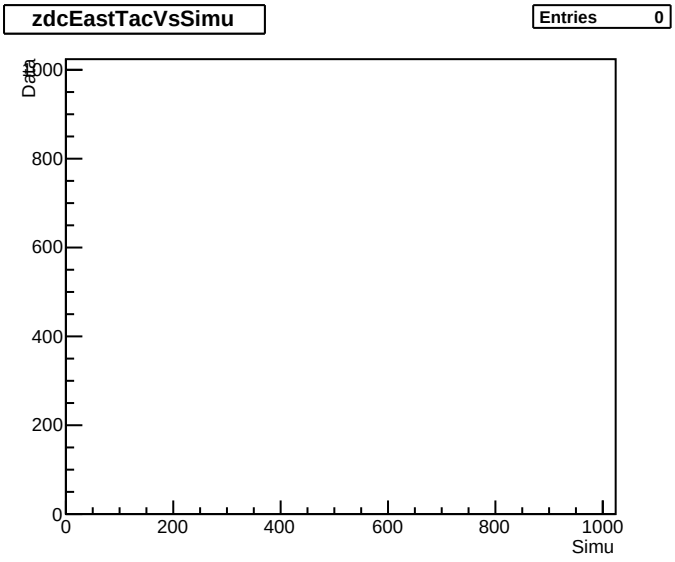
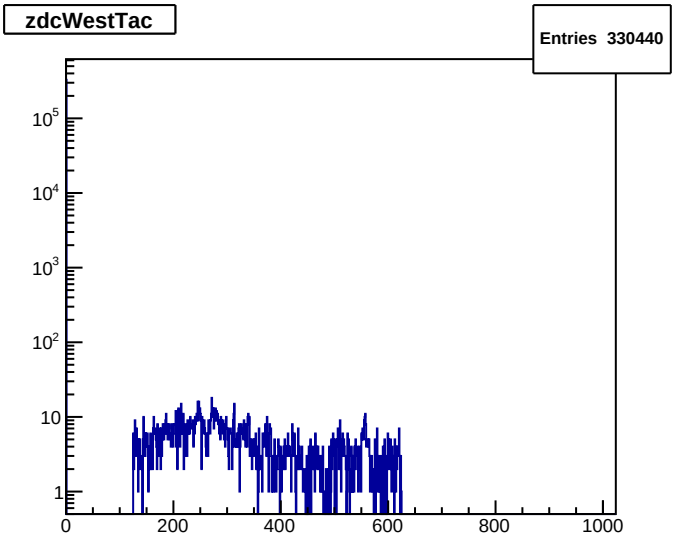
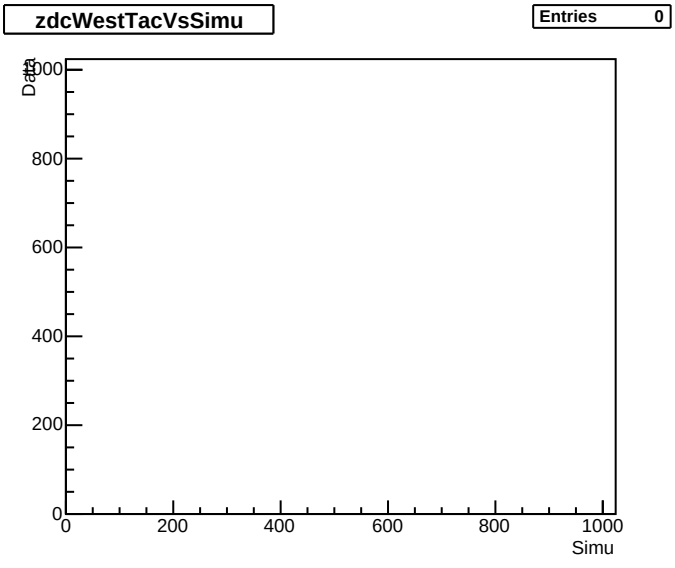
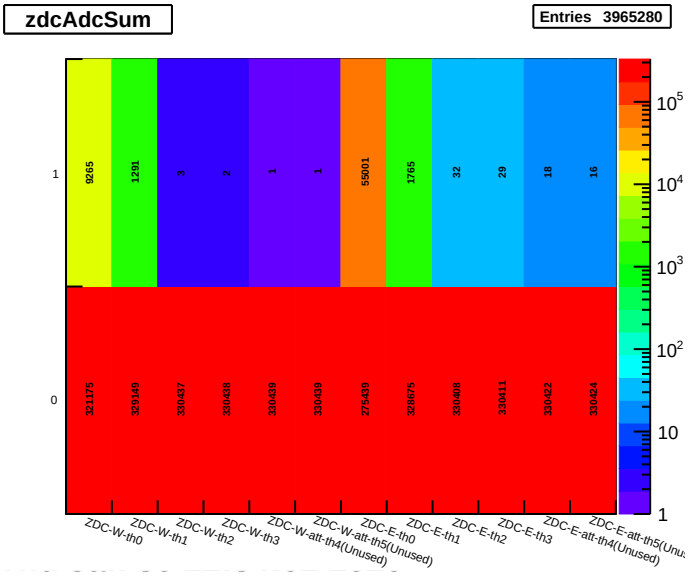

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

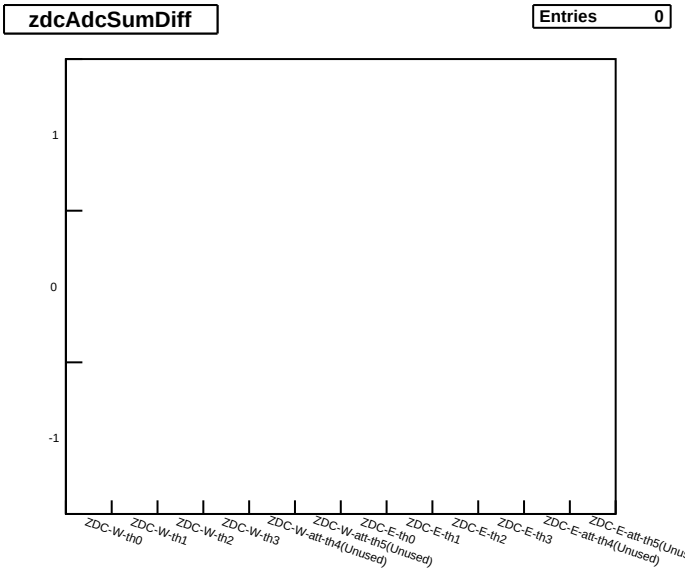

zdcEastTac
Entries 330440
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

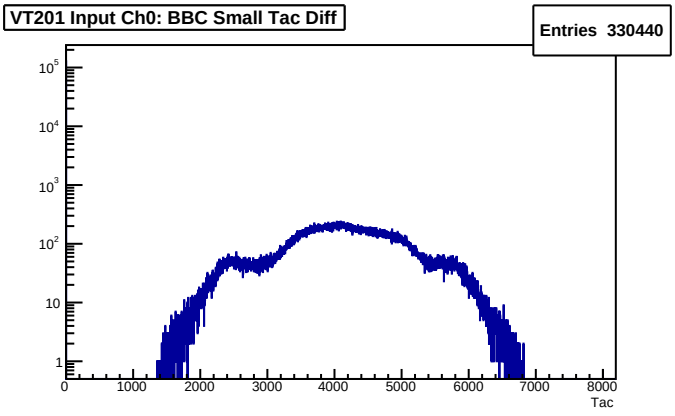

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

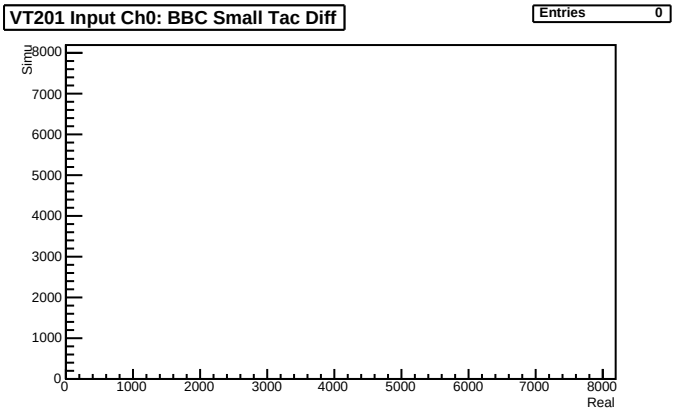

zdcWestTac
Entries 330440
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

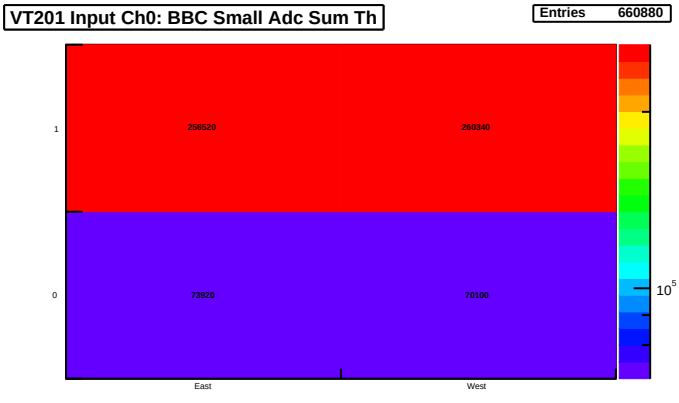

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

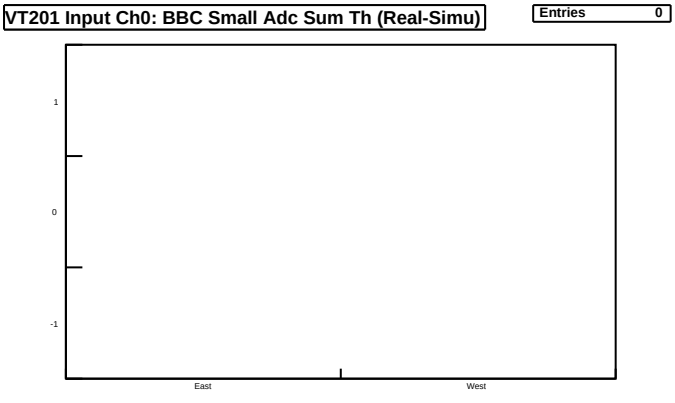

zdcAdcSum
Entries 3965280
1
0
9265
1291
3
2
1
1
55001
1765
32
29
18
16
321175
329149
330437
330438
330439
330439
275439
328675
330408
330411
330422
330424
10^5
10^4
10^3
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

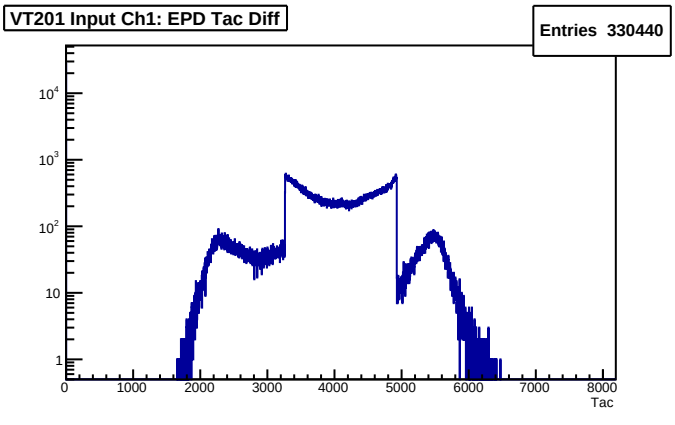

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

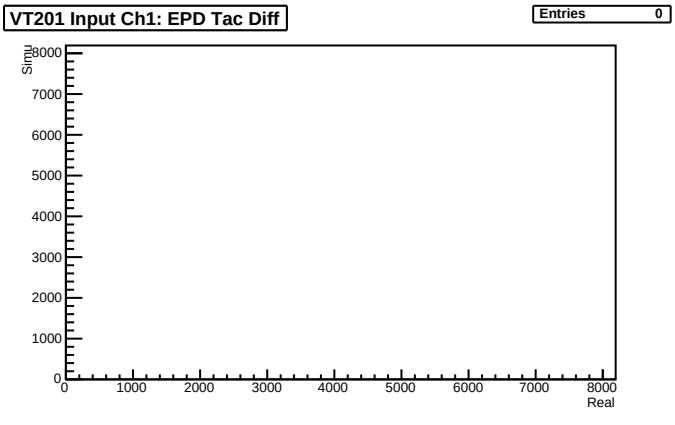

VT201 Input Ch0: BBC Small Tac Diff
Entries 330440
Tac

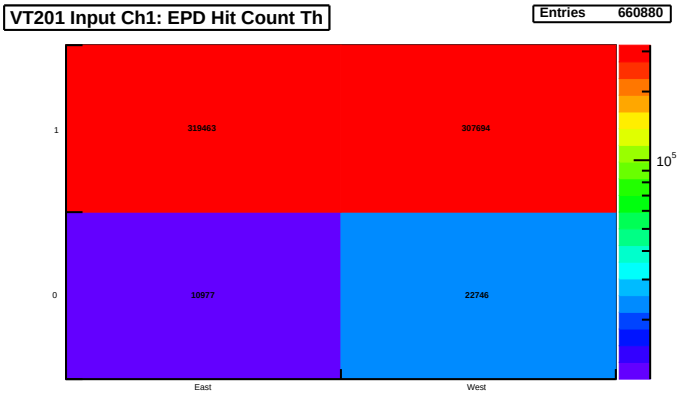

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

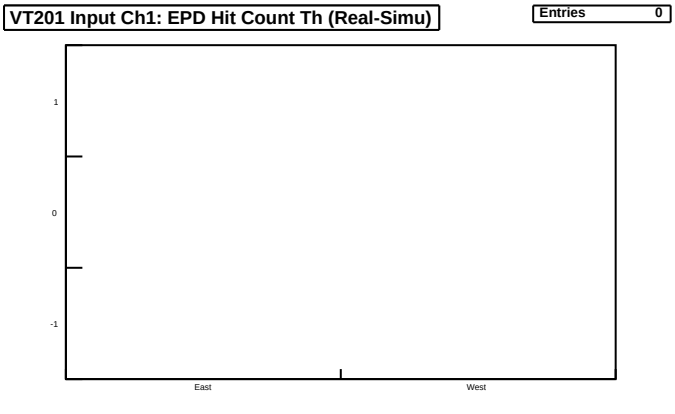

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 660880
256520
260340
73920
70100
East
West

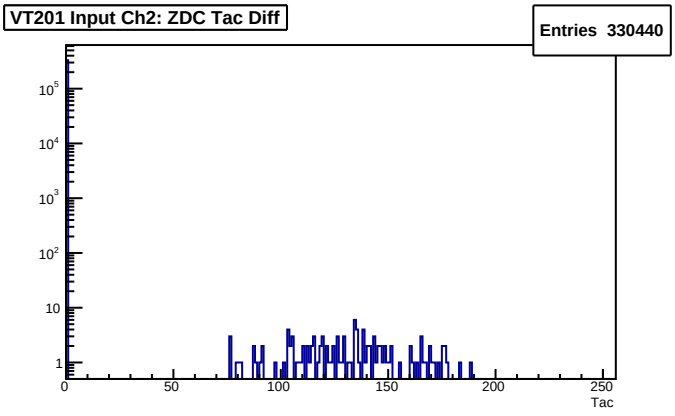

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

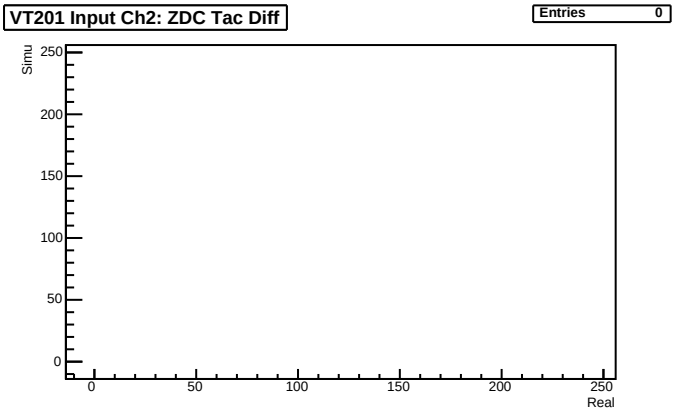

VT201 Input Ch1: EPD Tac Diff
Entries 330440
Tac

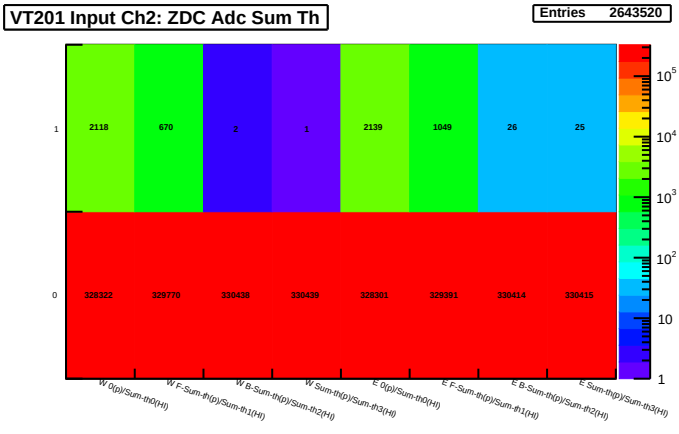

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

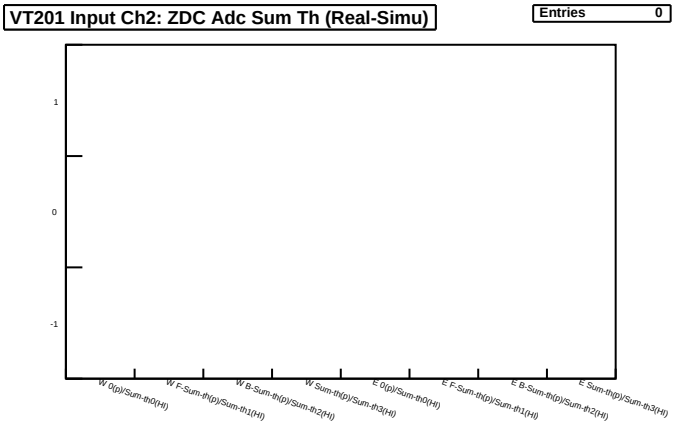

VT201 Input Ch1: EPD Hit Count Th
Entries 660880
319463
307694
10977
22746
East
West

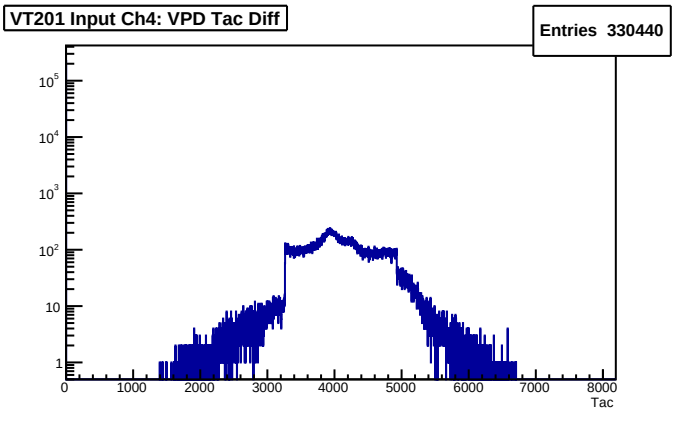

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

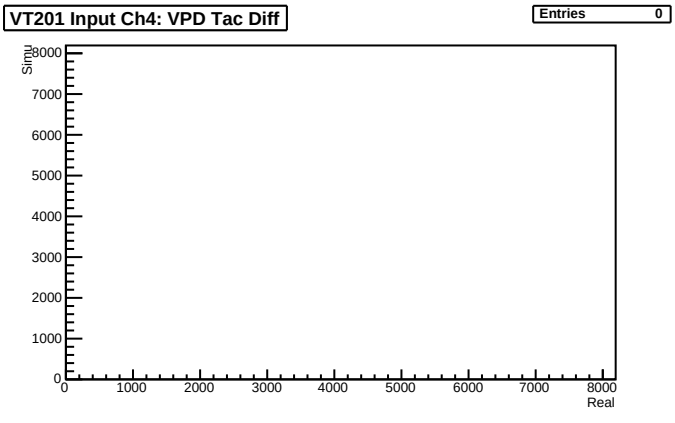

VT201 Input Ch2: ZDC Tac Diff
Entries 330440
Tac

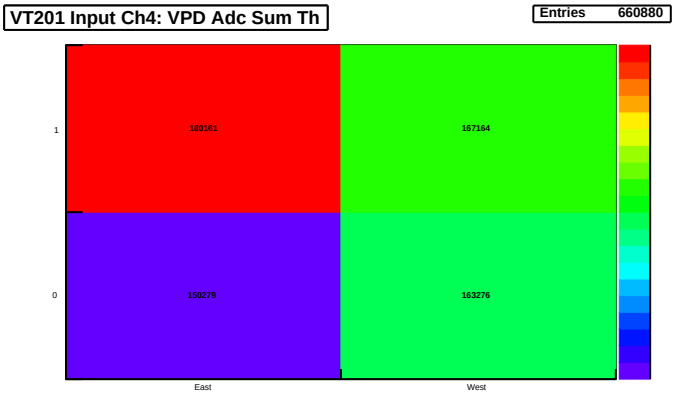

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

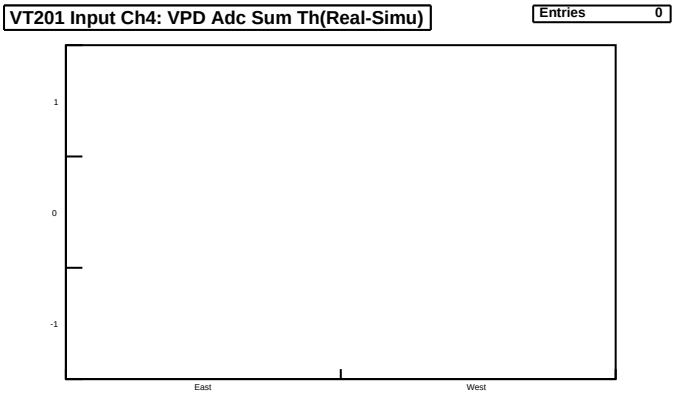

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2643520
2118
670
2
1
2139
1049
26
25
328322
329770
330438
330439
328301
329391
330414
330415
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

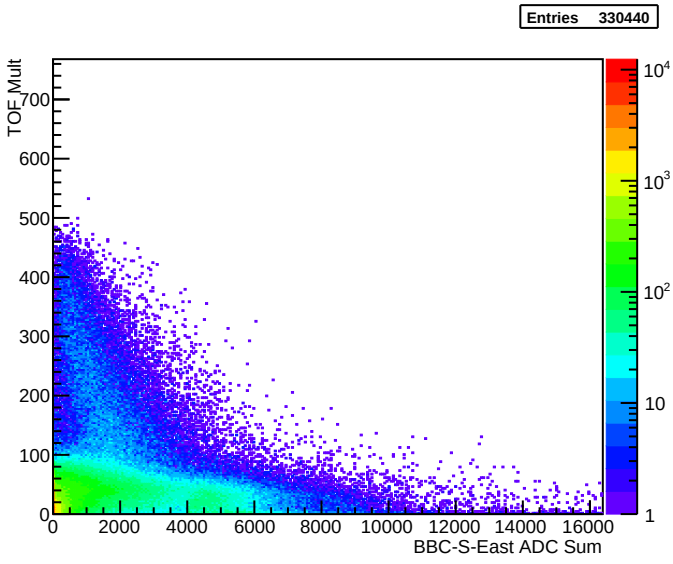

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

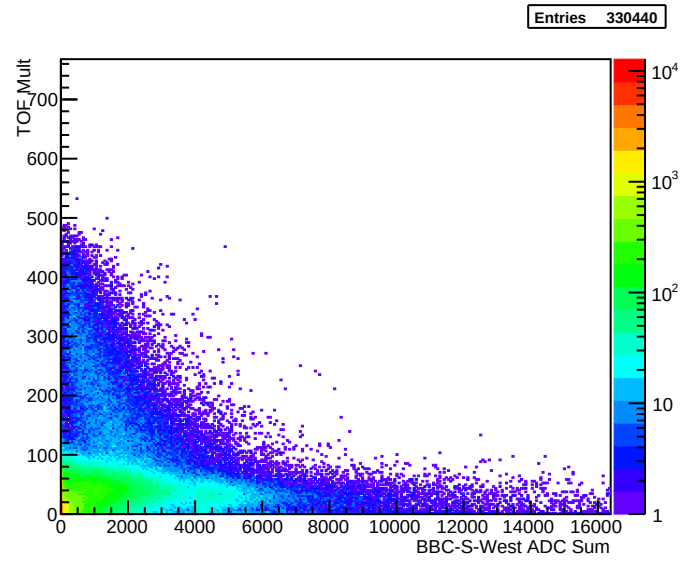

VT201 Input Ch4: VPD Tac Diff
Entries 330440
Tac

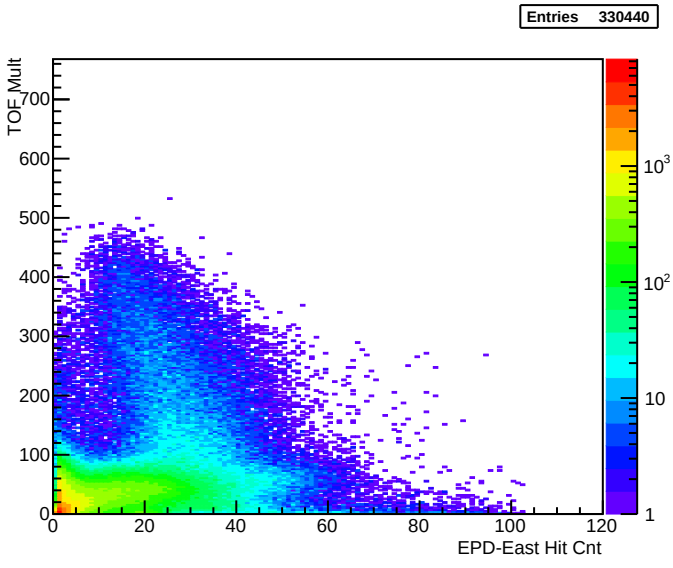

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

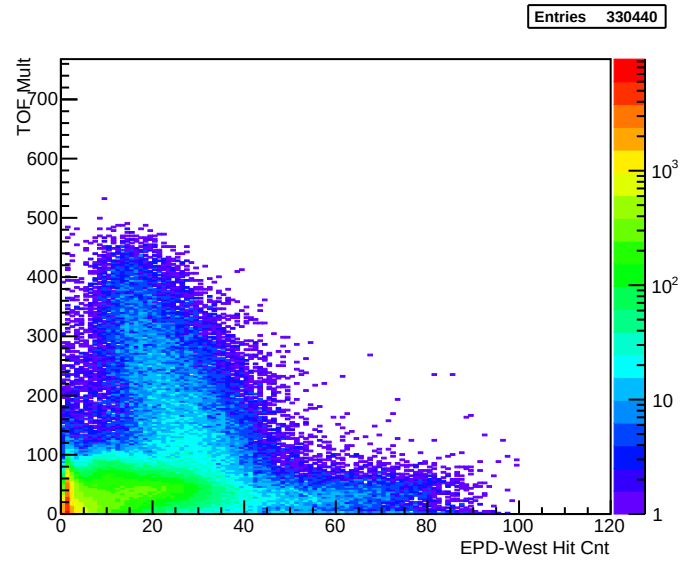

VT201 Input Ch4: VPD Adc Sum Th
Entries 660880
180161
167164
150279
163276
East
West

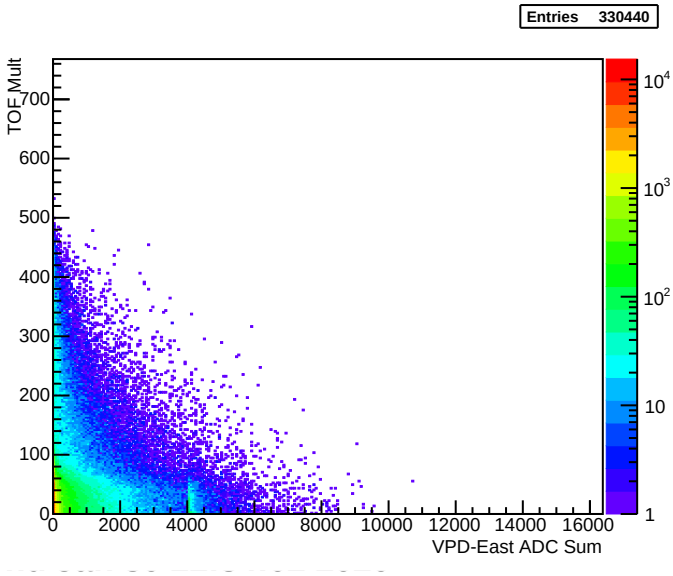

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

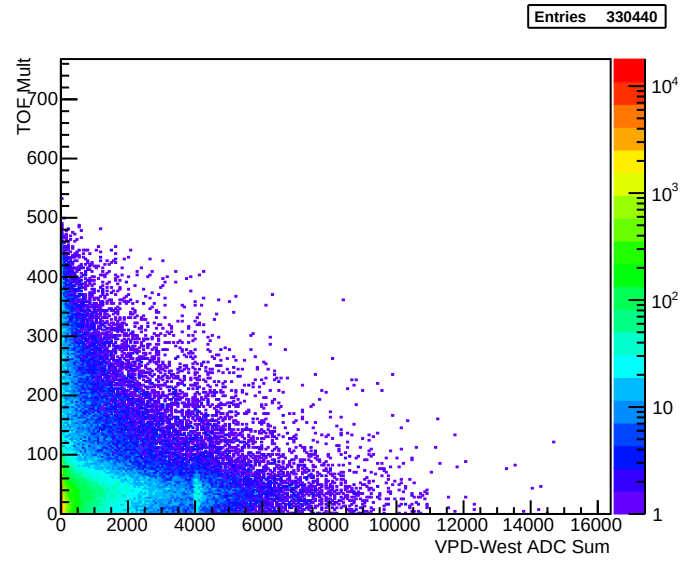

Entries 330440
TOF_Mult
BBC-S-East ADC Sum

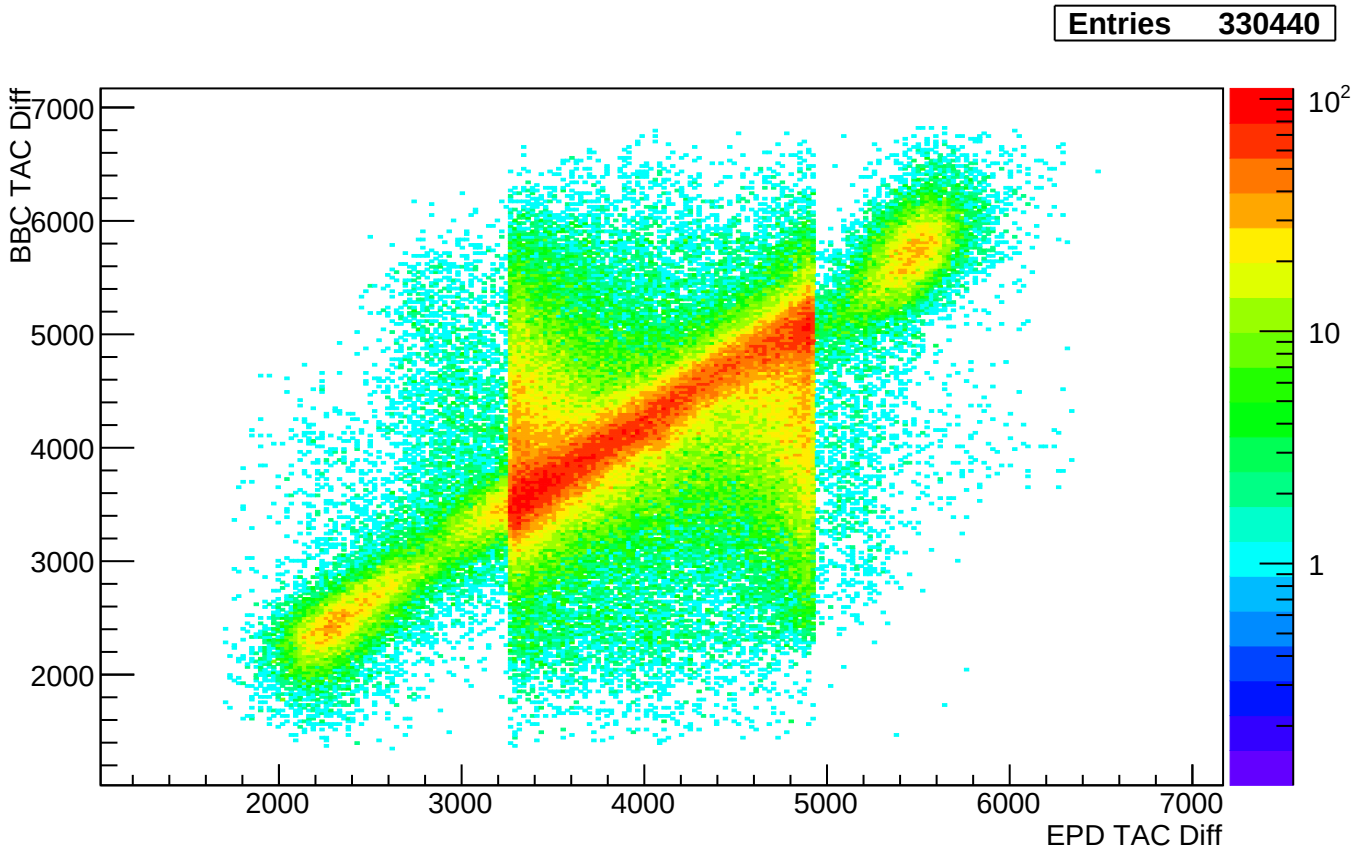

Entries 330440
TOF_Mult
BBC-S-West ADC Sum

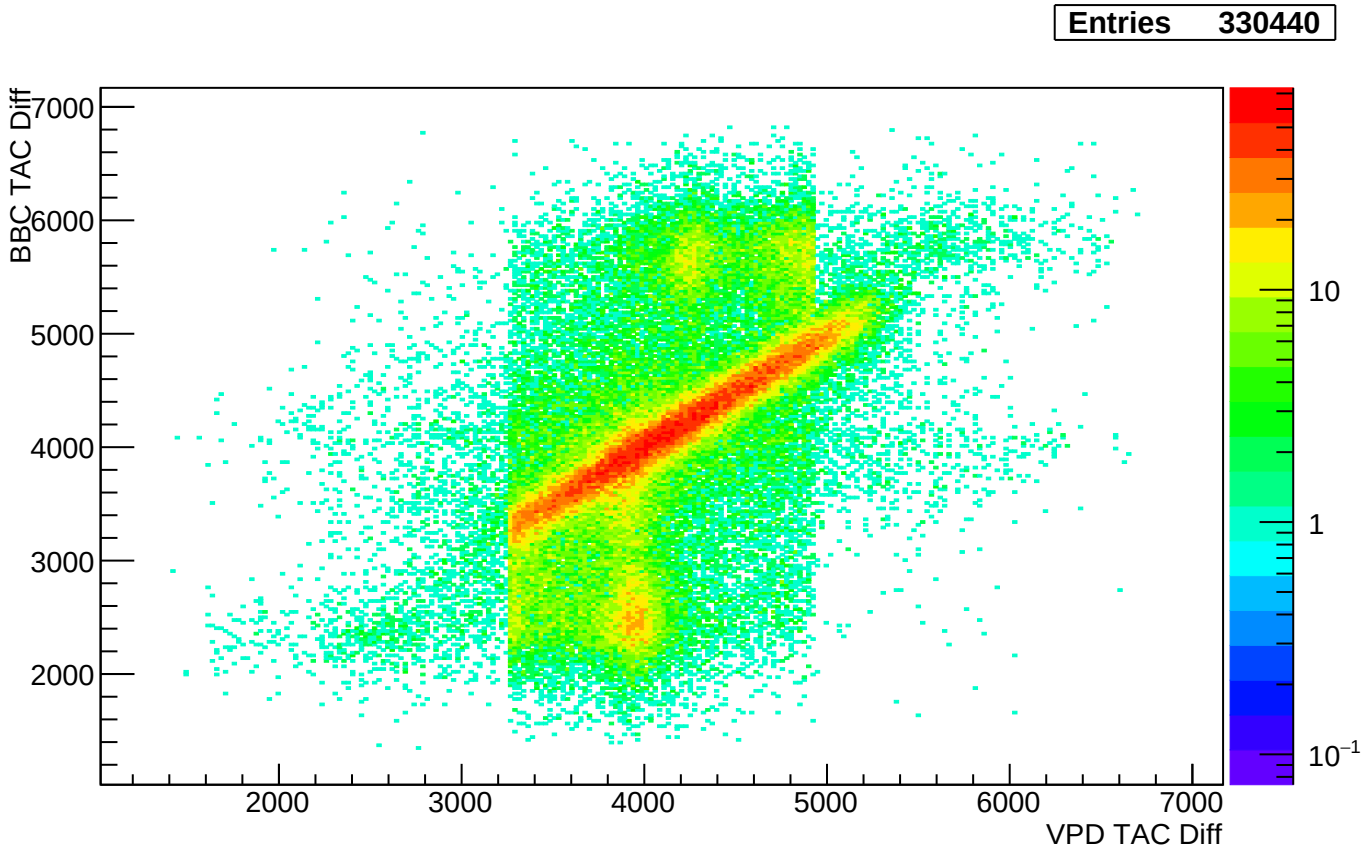

Entries 330440
TOF_Mult
EPD-East Hit Cnt

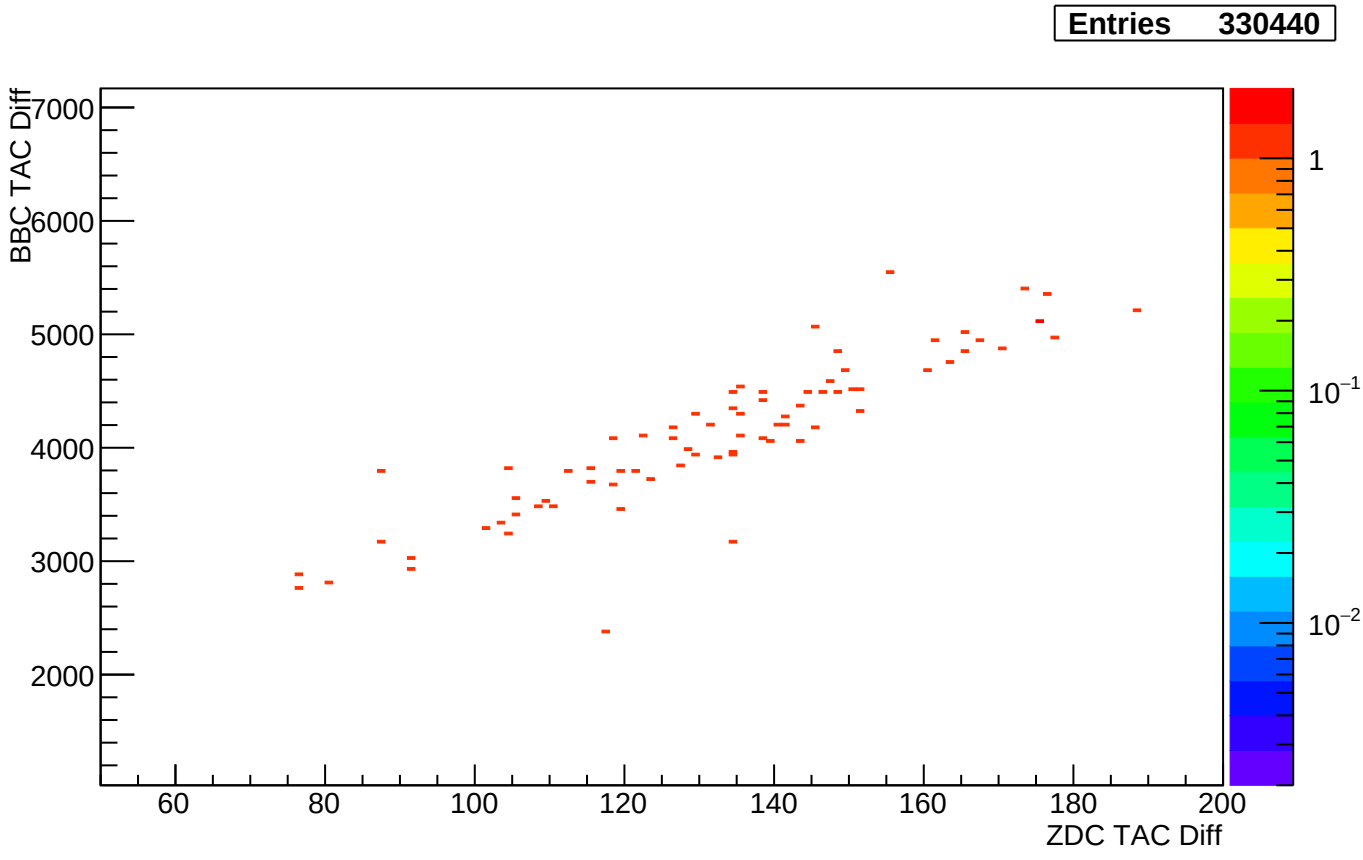

Entries 330440
TOF_Mult
EPD-West Hit Cnt

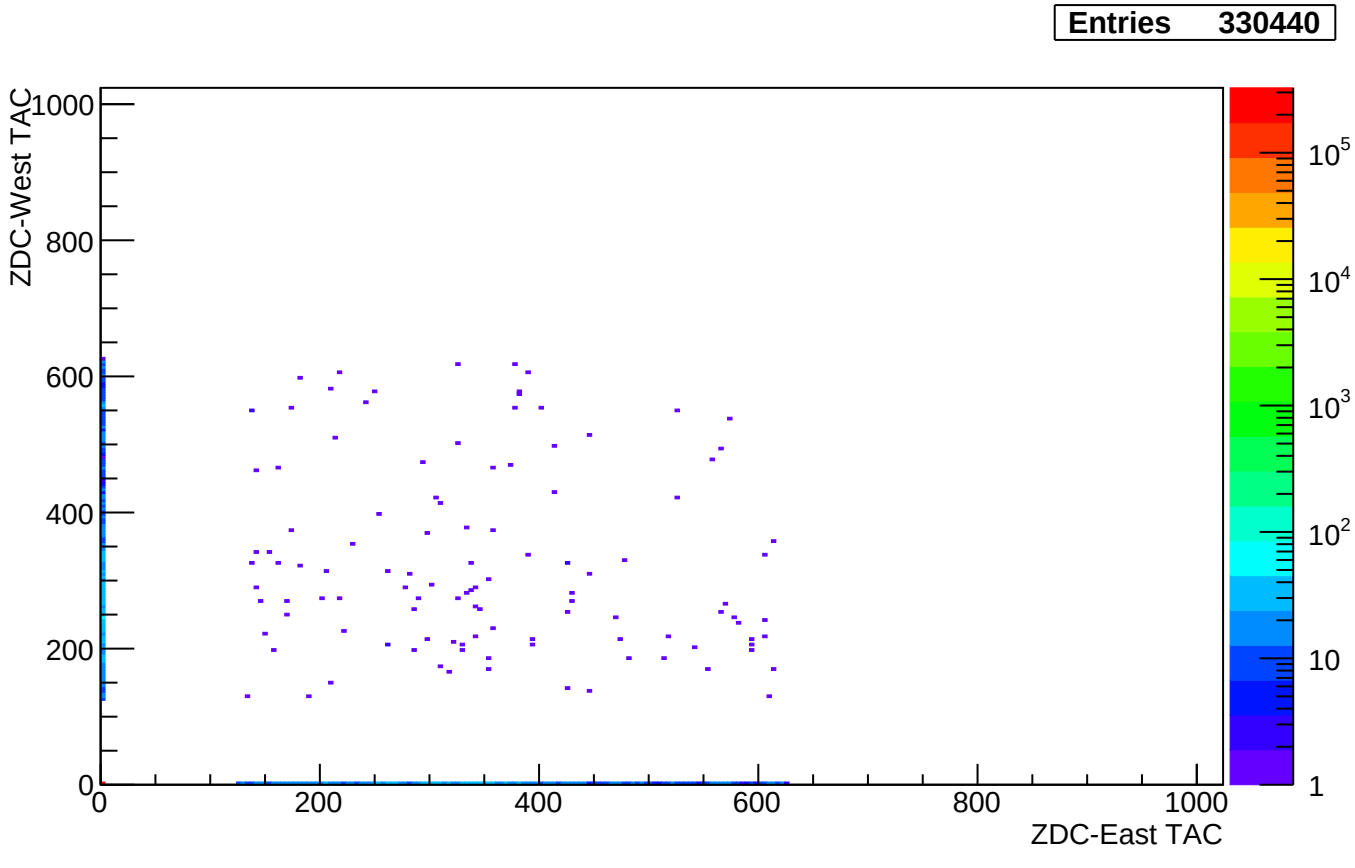

Entries 330440
TOF_Mult
VPD-East ADC Sum

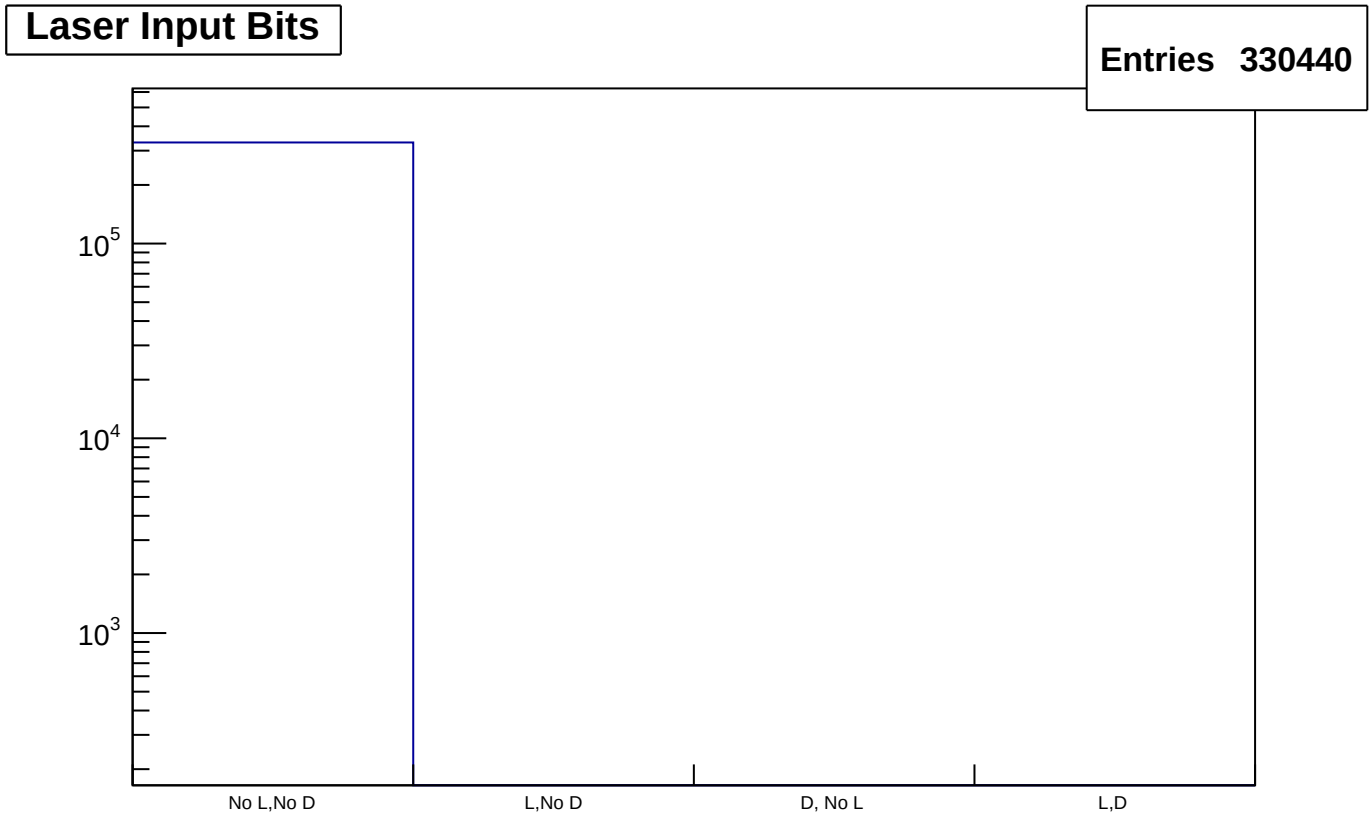

Entries 330440
TOF_Mult
VPD-West ADC Sum

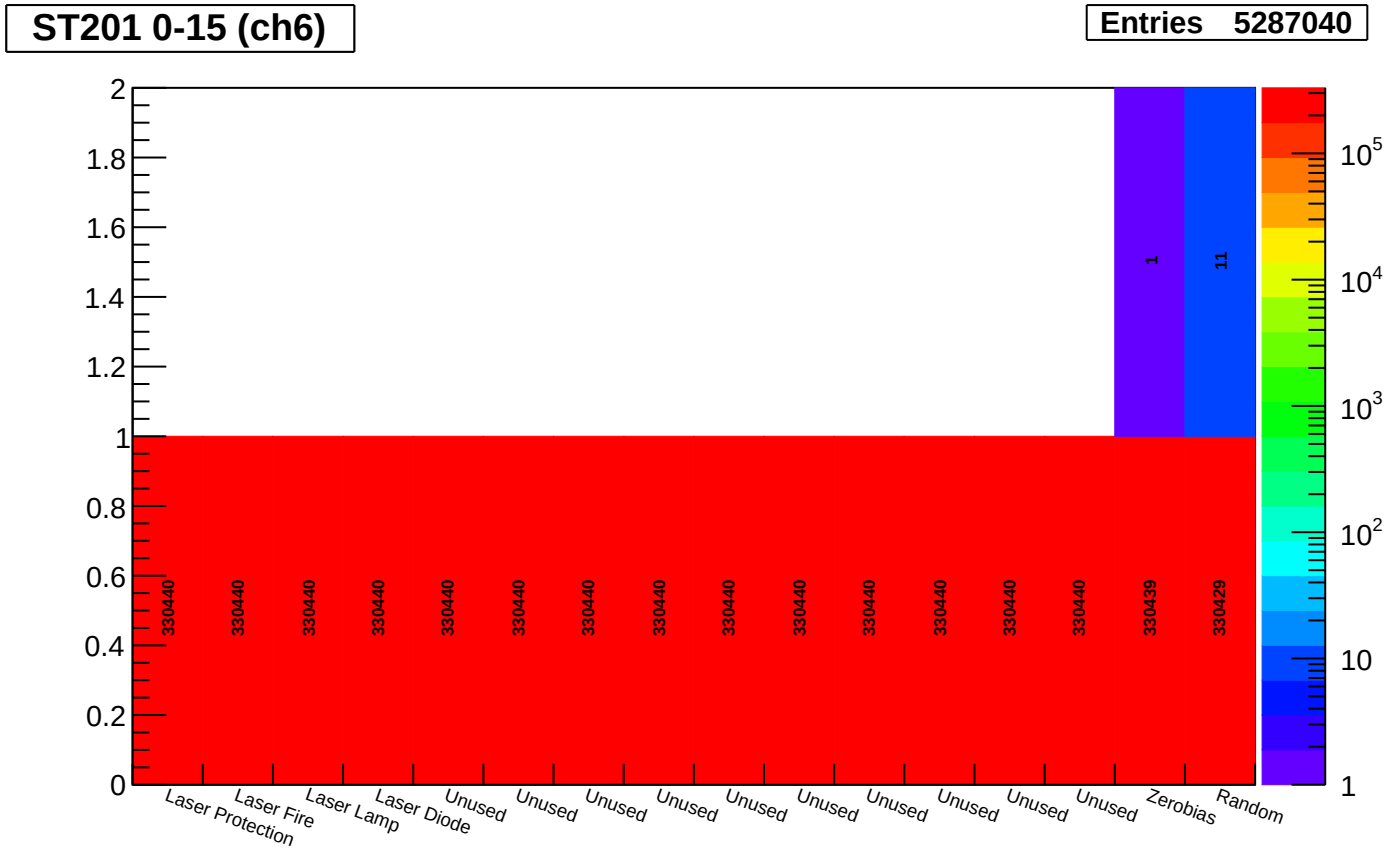

Entries 330440
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

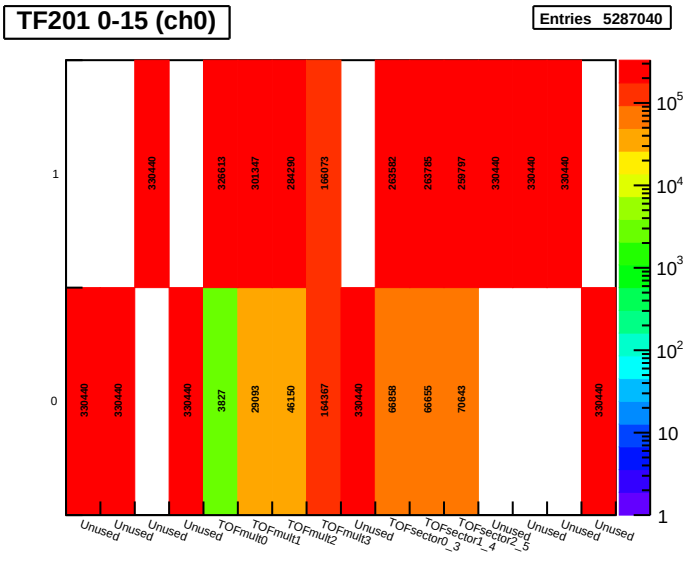

Entries 330440
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10
1
10^{-1}

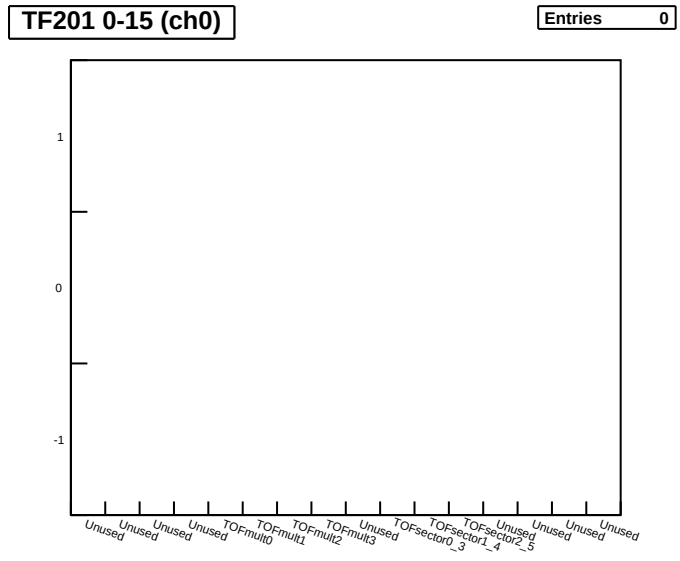

Entries 330440
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

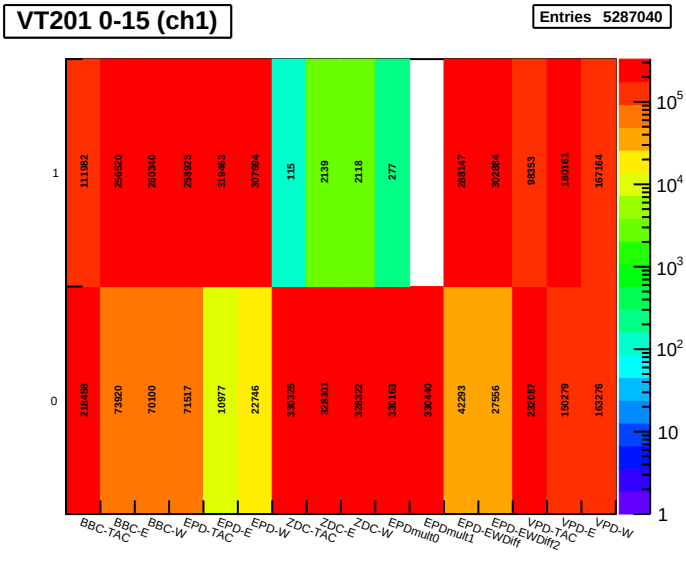

Entries 330440
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

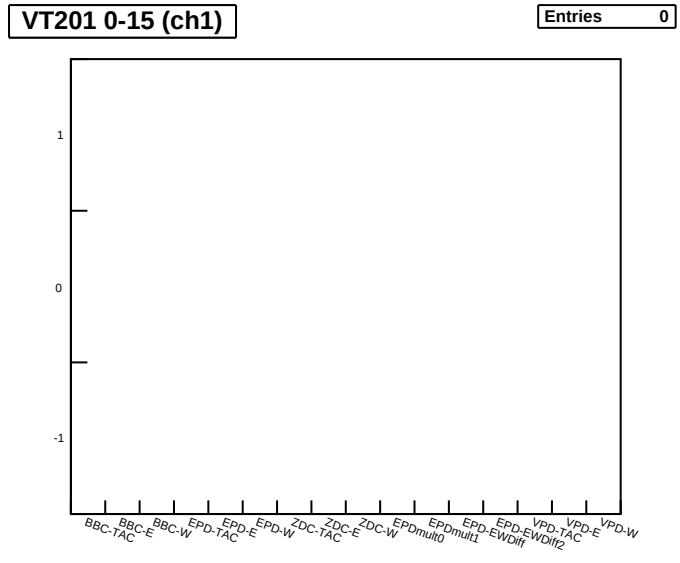

Laser Input Bits
Entries 330440
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

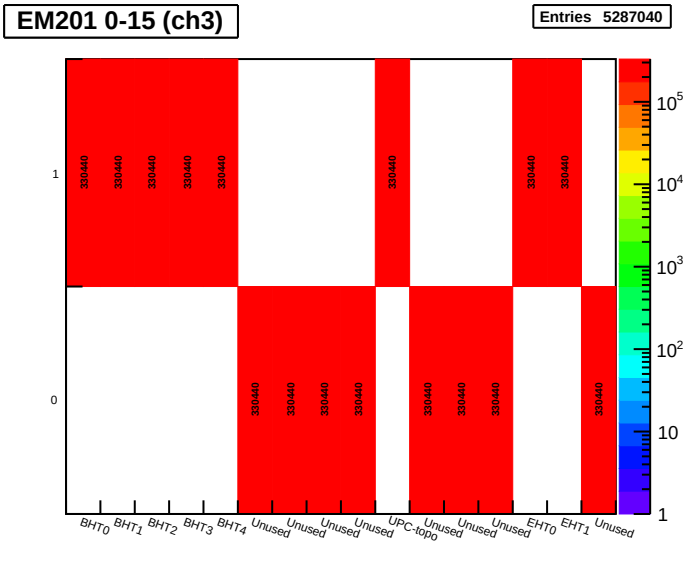

ST201 0-15 (ch6)
Entries 5287040
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
330440
330440
330440
330440
330440
330440
330440
330440
330440
330440
330440
330440
330440
330440
330439
330429
1
11
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

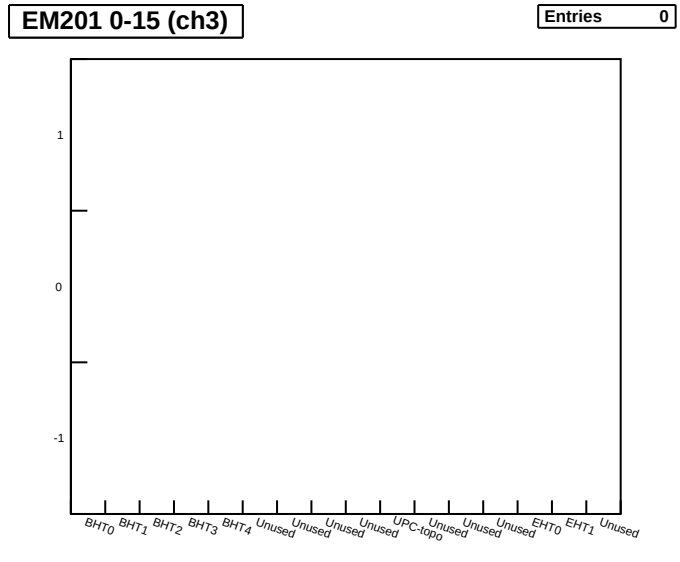

TF201 0-15 (ch0)
Entries 5287040
1
0
330440 326613 301347 284290 166073 263582 263785 299797 330440 330440 330440
330440 330440 330440 3827 29093 46150 164367 330440 66898 66655 70643 330440
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^5 10^4 10^3 10^2 10 1


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


VT201 0-15 (ch1)
Entries 5287040
1
0
111962 256520 260340 258923 319463 307694 115 2139 2118 277 288147 302884 93353 180161 167164
218458 73920 70100 71517 10977 22746 330325 328301 328322 330163 330440 42293 27566 232087 150279 163276
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 5287040
1
0
330440 330440 330440 330440 330440 330440 330440 330440 330440
330440 330440 330440 330440 330440 330440 330440 330440
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