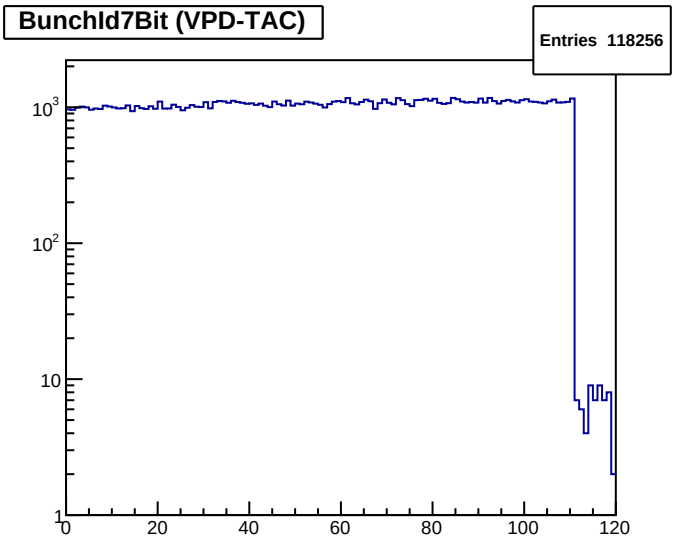
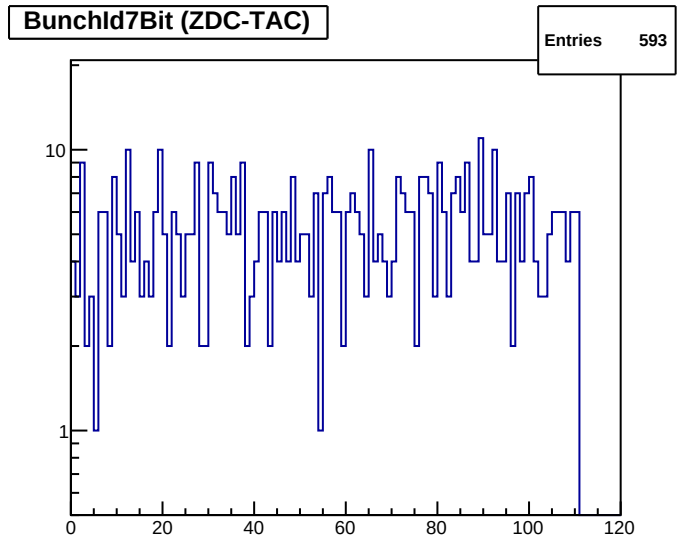
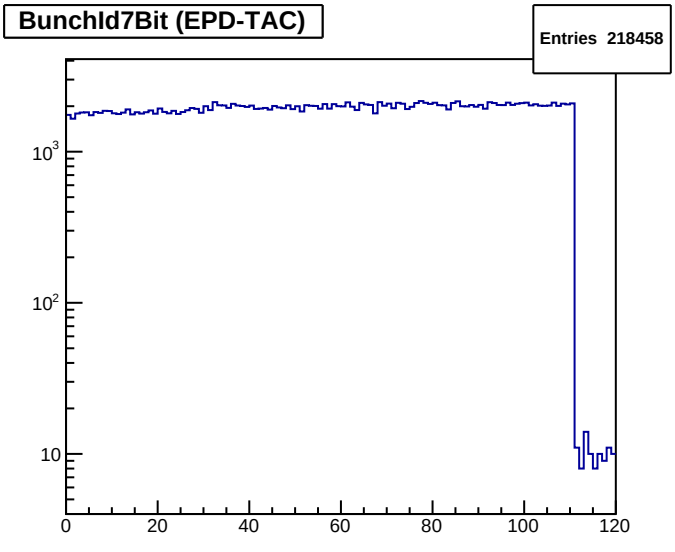
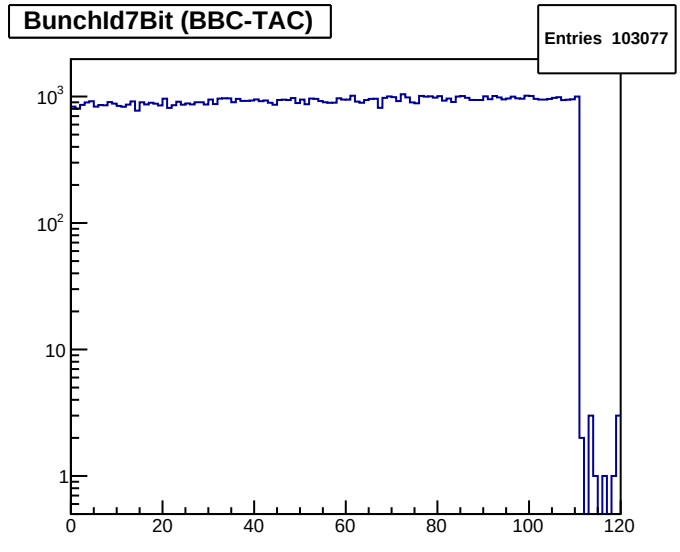
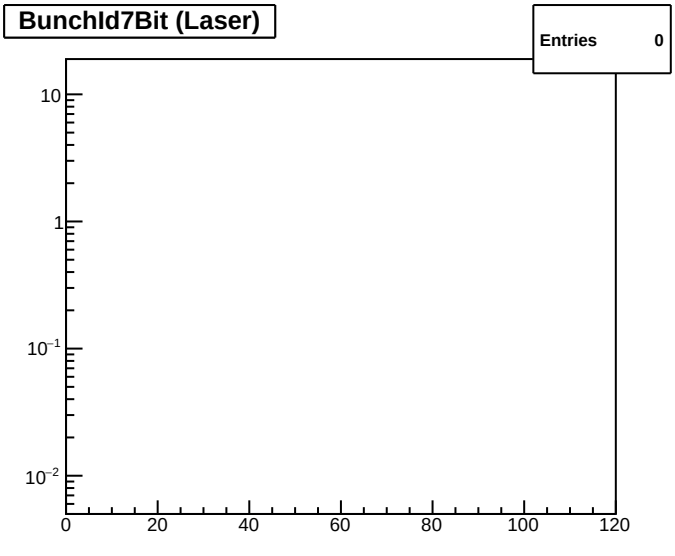
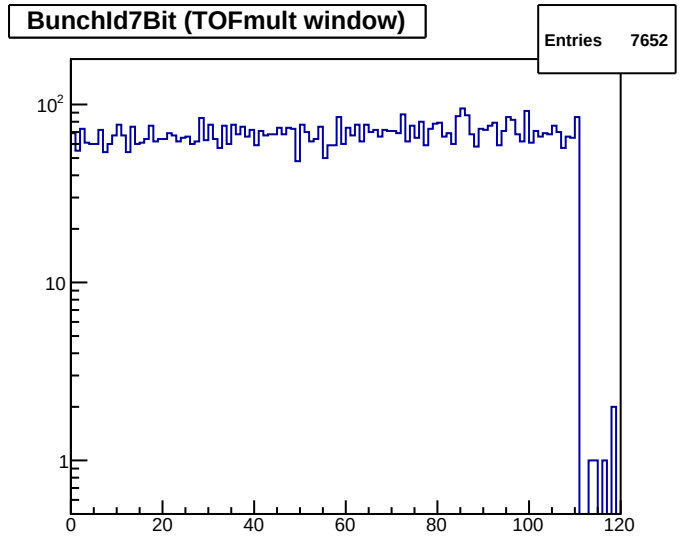

BunchId7Bit (VPD-TAC)
Entries 118256

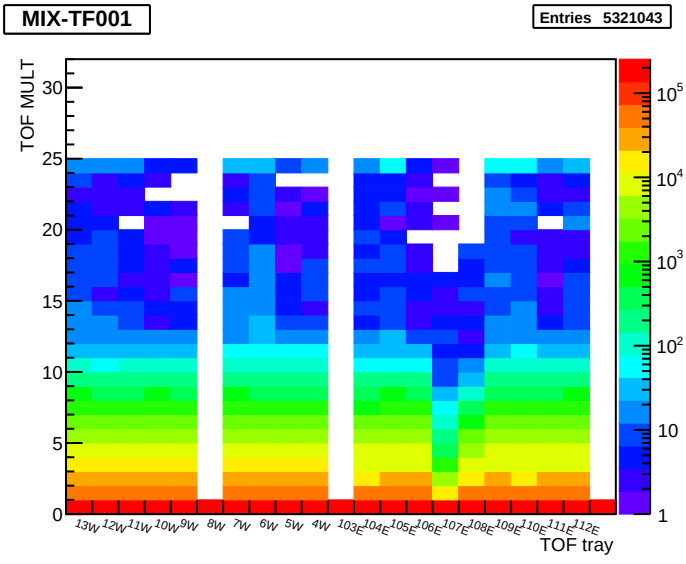

BunchId7Bit (ZDC-TAC)
Entries 593

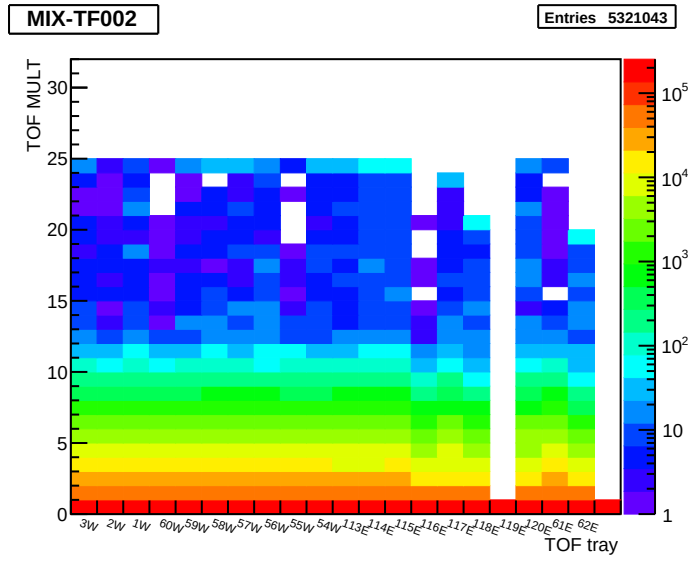

BunchId7Bit (EPD-TAC)
Entries 218458

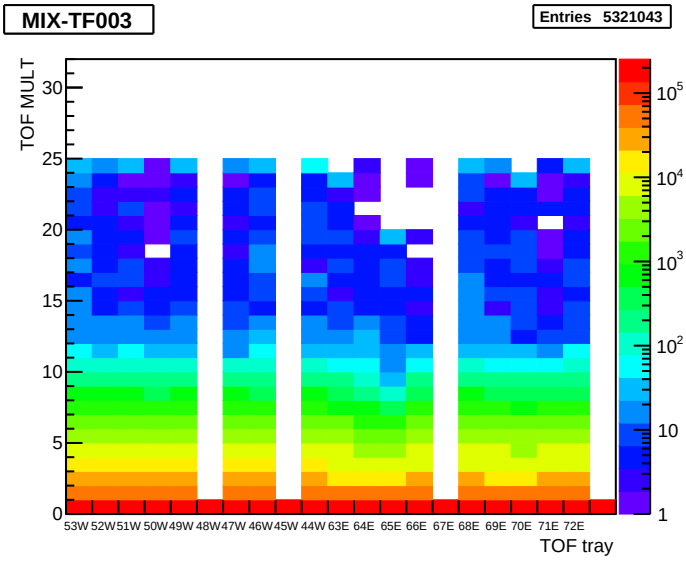

BunchId7Bit (BBC-TAC)
Entries 103077

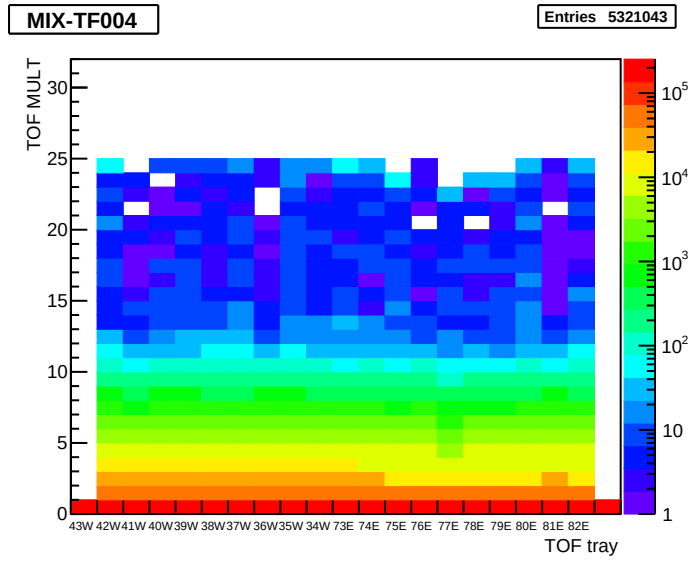

BunchId7Bit (Laser)
Entries 0

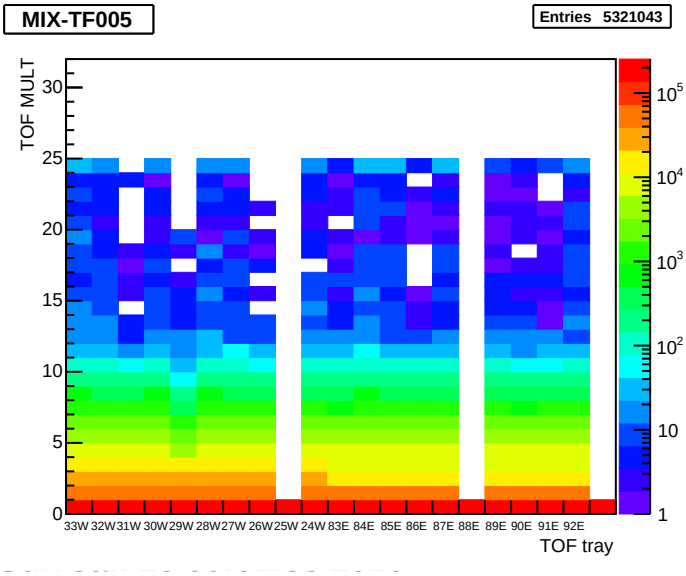

BunchId7Bit (TOFmult window)
Entries 7652

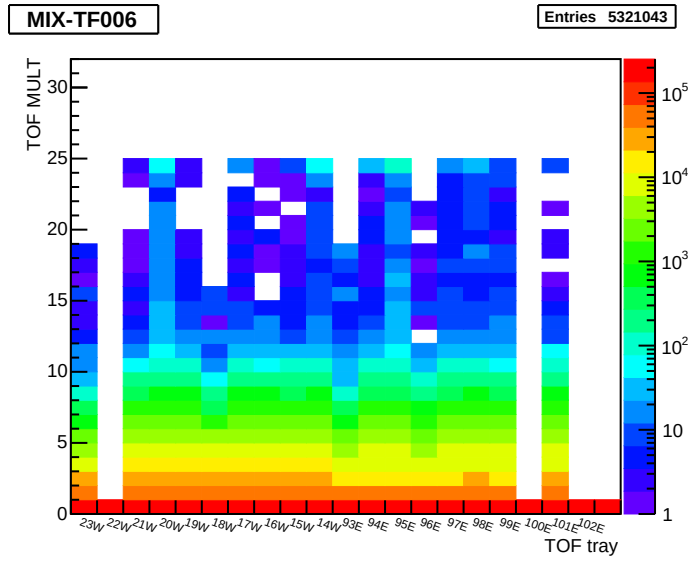

MIX-TF001
Entries 5321043
TOF MULT
TOF tray

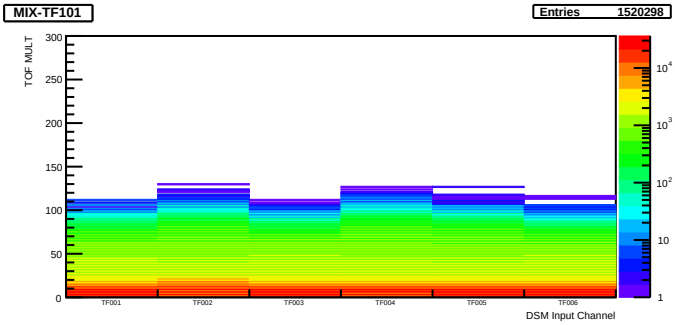

MIX-TF002
Entries 5321043
TOF MULT
TOF tray

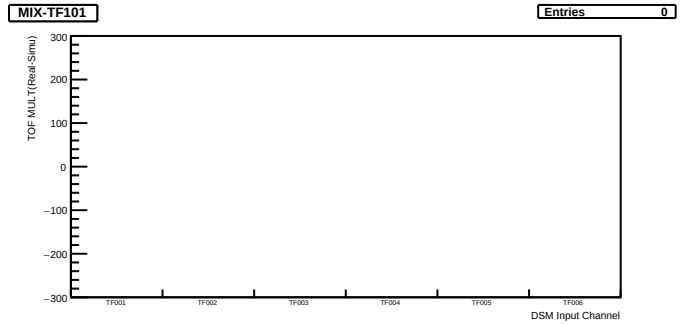

MIX-TF003
Entries 5321043
TOF MULT
TOF tray

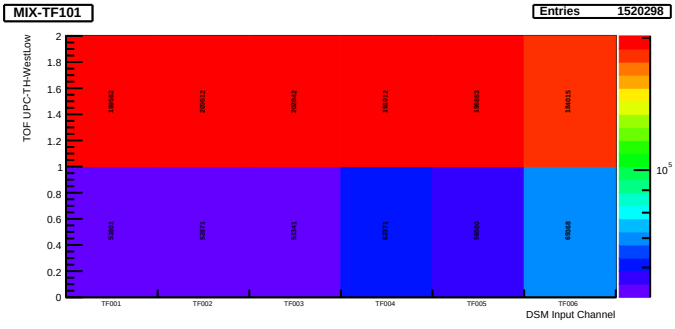

MIX-TF004
Entries 5321043
TOF MULT
TOF tray

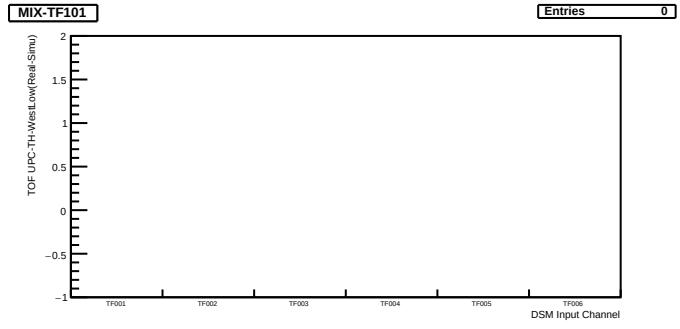

MIX-TF005
Entries 5321043
TOF MULT
TOF tray

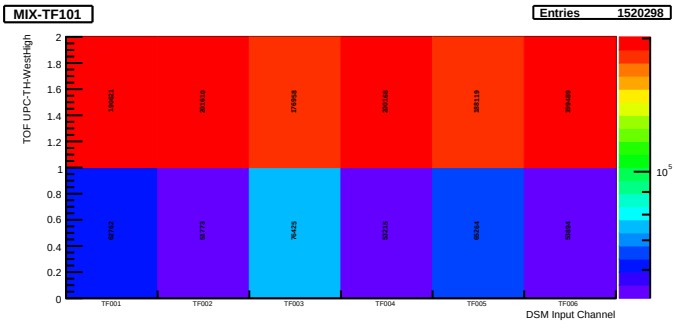

MIX-TF006
Entries 5321043
TOF MULT
TOF tray

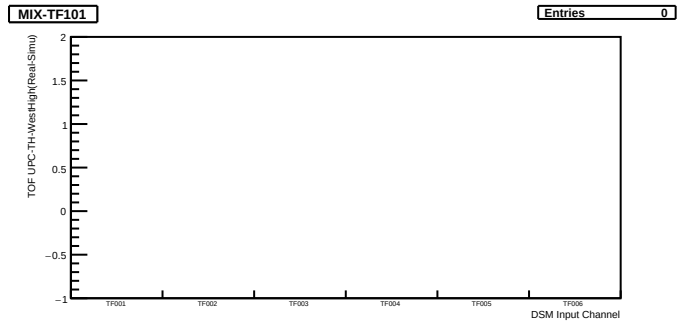

MIX-TF101
Entries 1520298
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

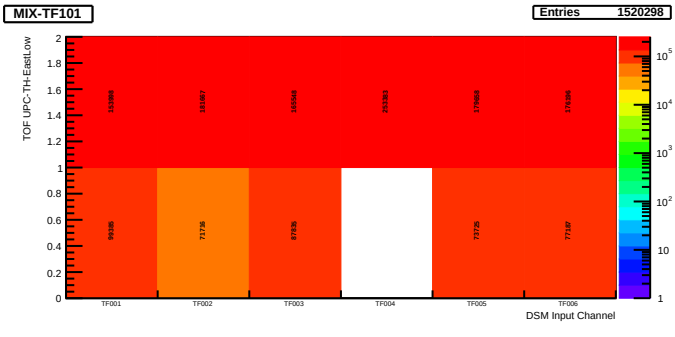

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

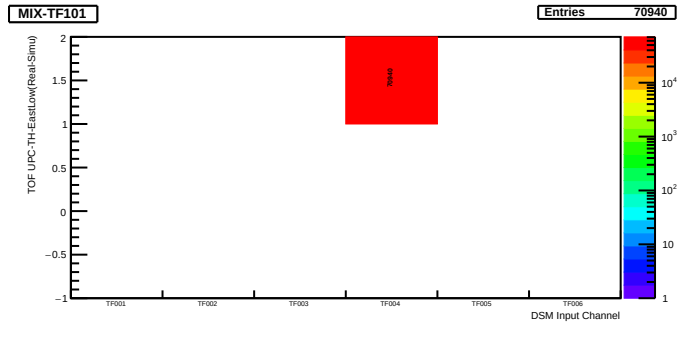

MIX-TF101
Entries 1520298
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

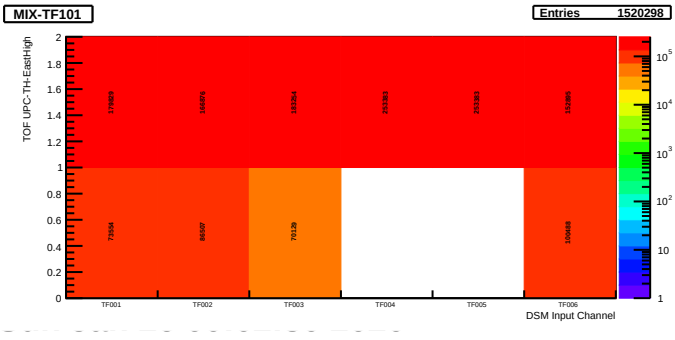

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

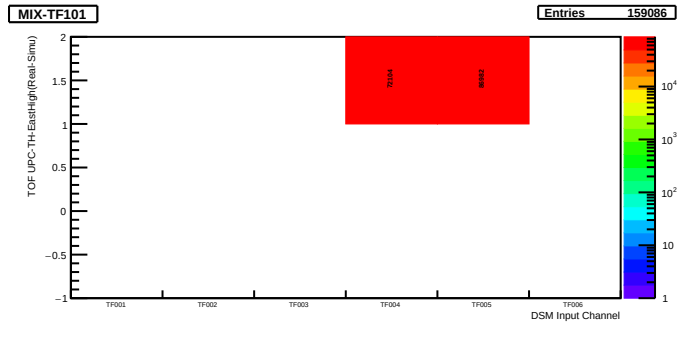

MIX-TF101
Entries 1520298
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

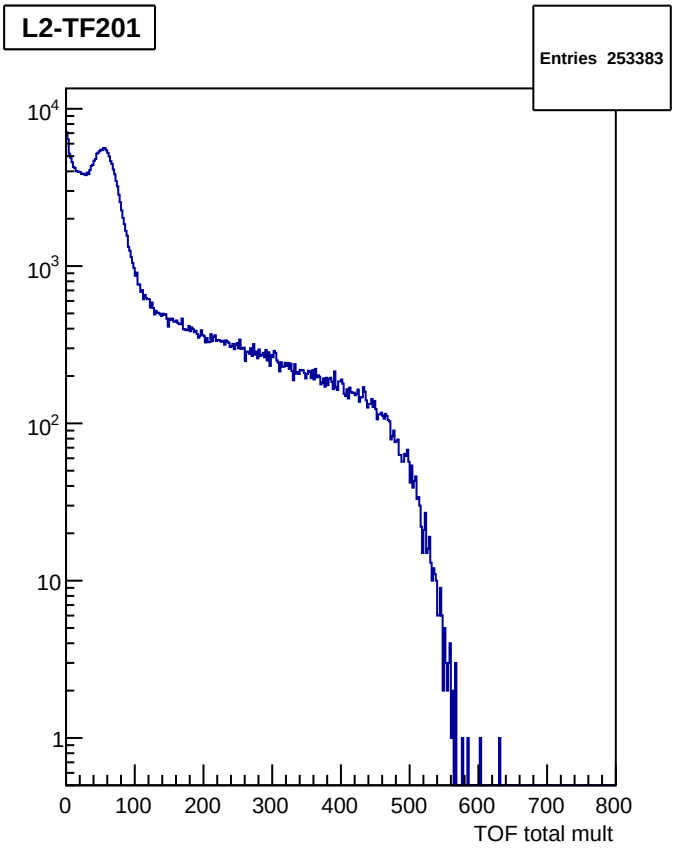

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

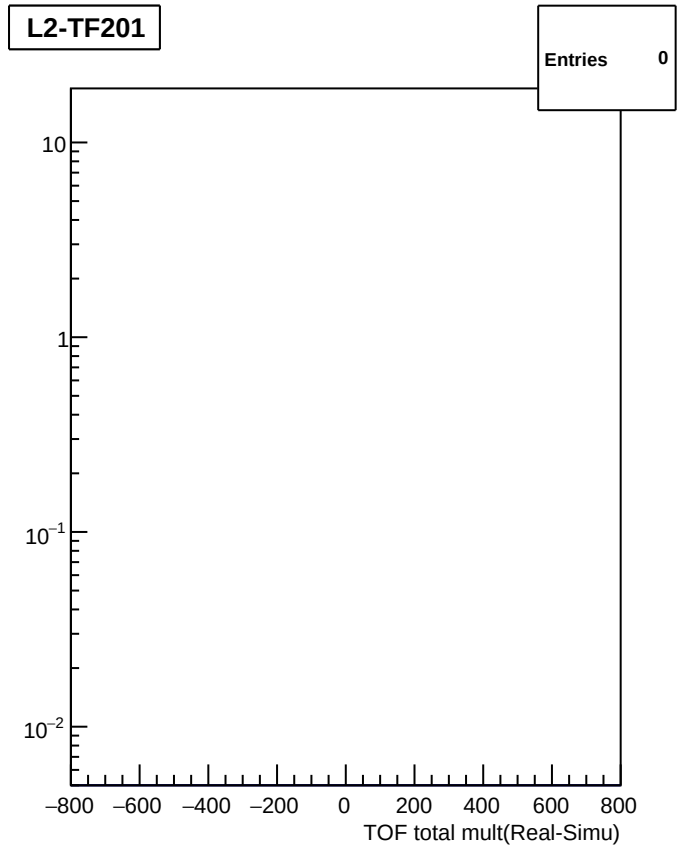

MIX-TF101
Entries 1520298
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

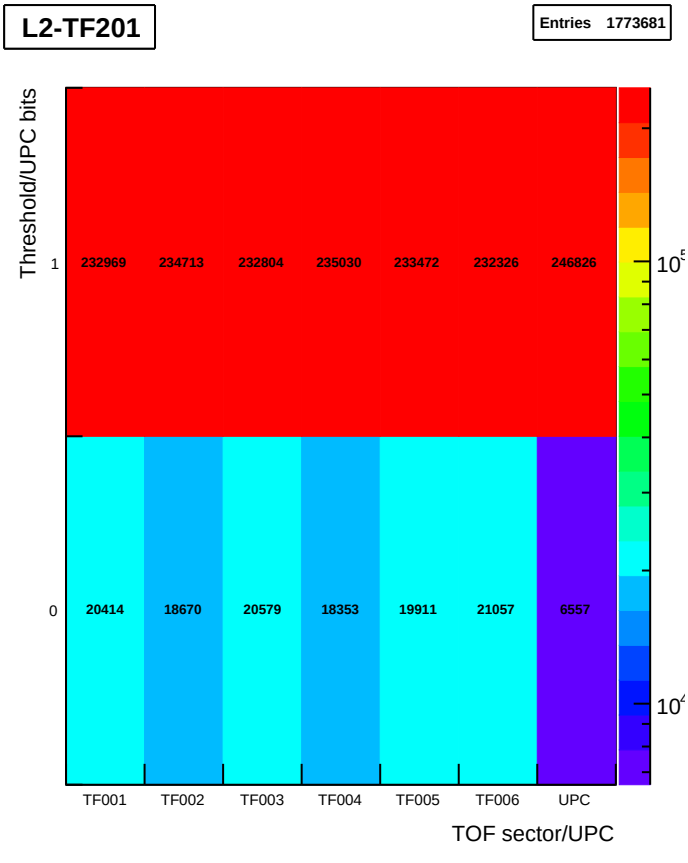

MIX-TF101
Entries 70940
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

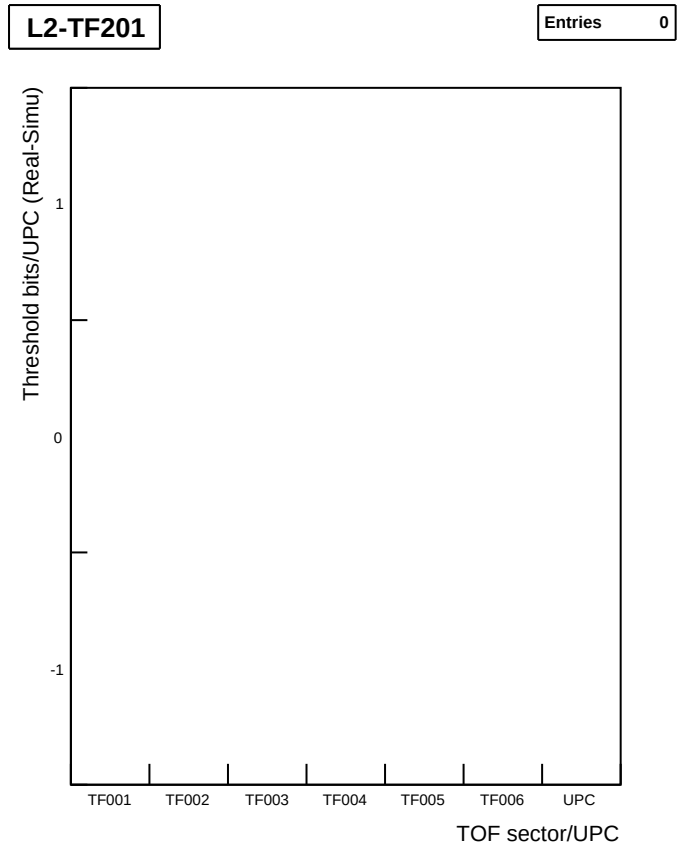

MIX-TF101
Entries 1520298
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

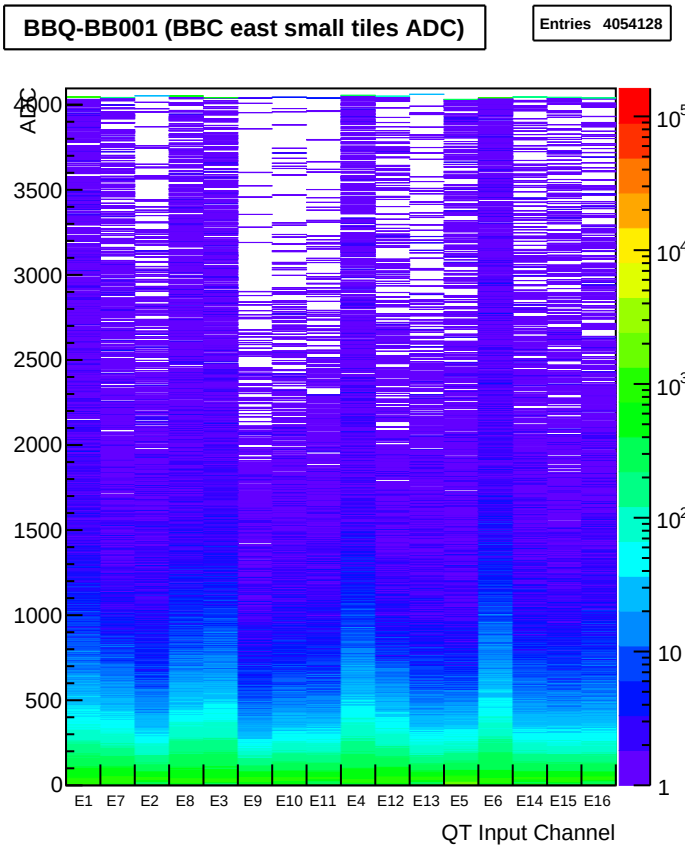

MIX-TF101
Entries 159086
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

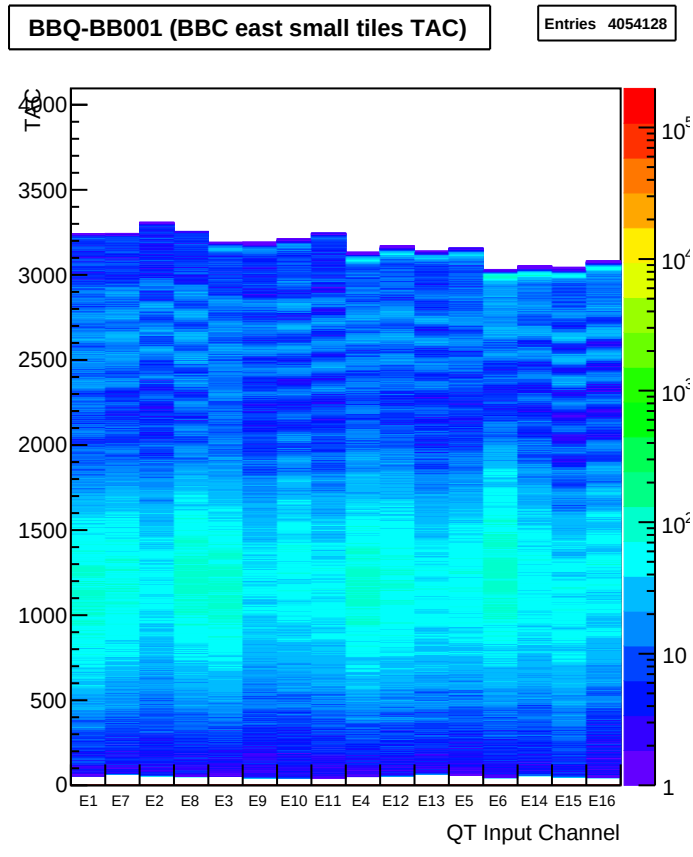

L2-TF201
Entries 253383
TOF total mult

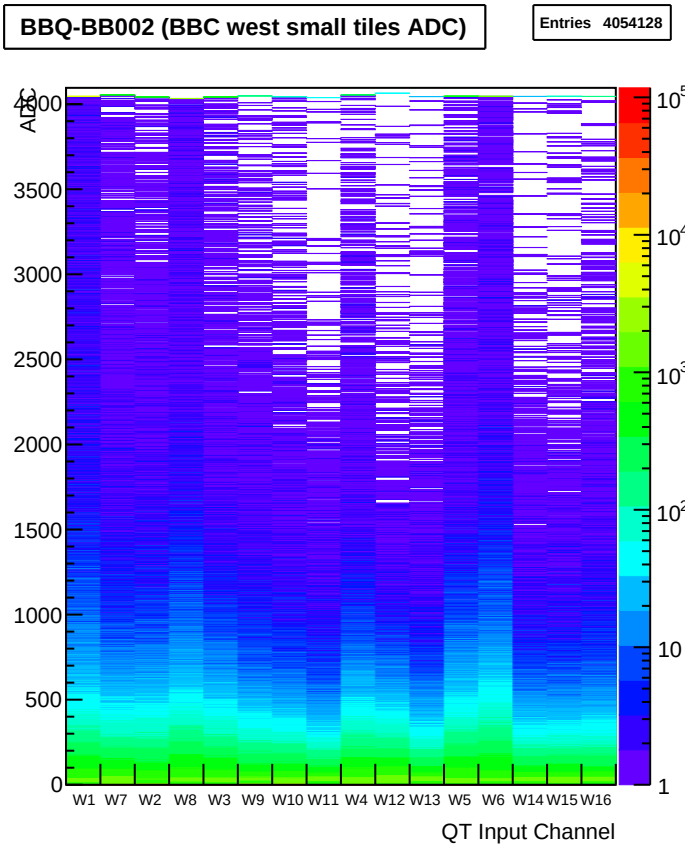

L2-TF201
Entries 0
TOF total mult(Real-Simu)

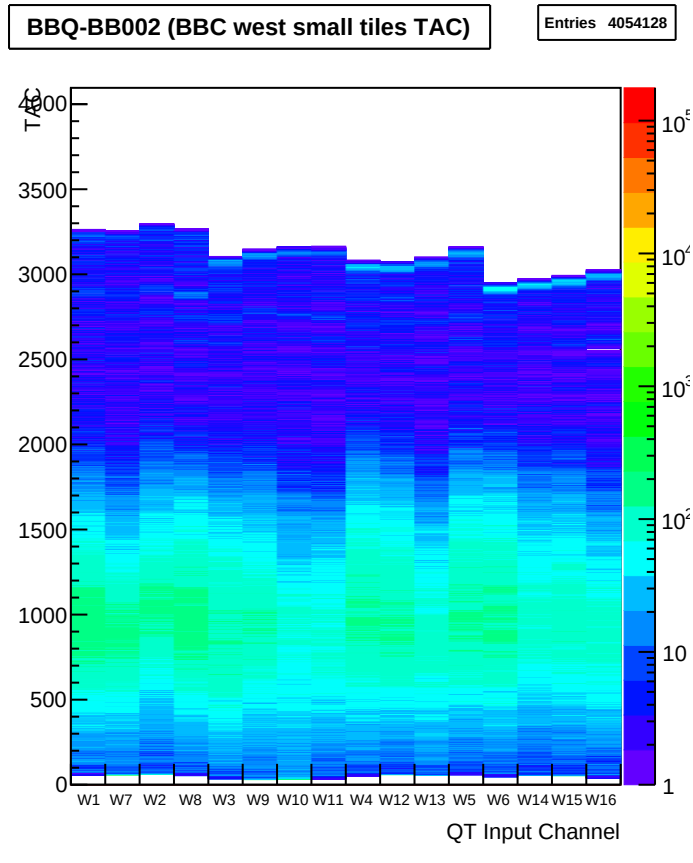

L2-TF201
Entries 1773681
Threshold/UPC bits
232969
234713
232804
235030
233472
232326
246826
20414
18670
20579
18353
19911
21057
6557
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

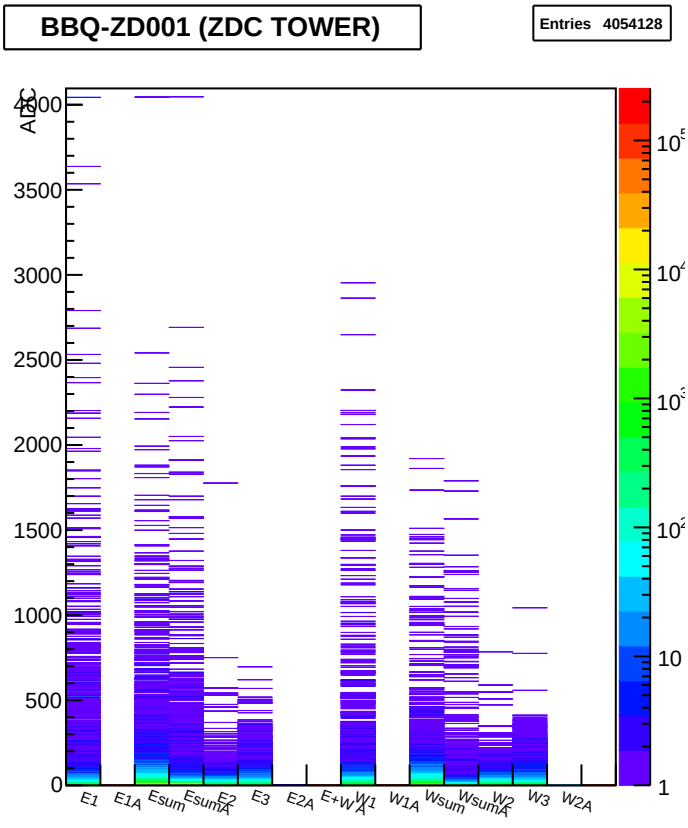

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

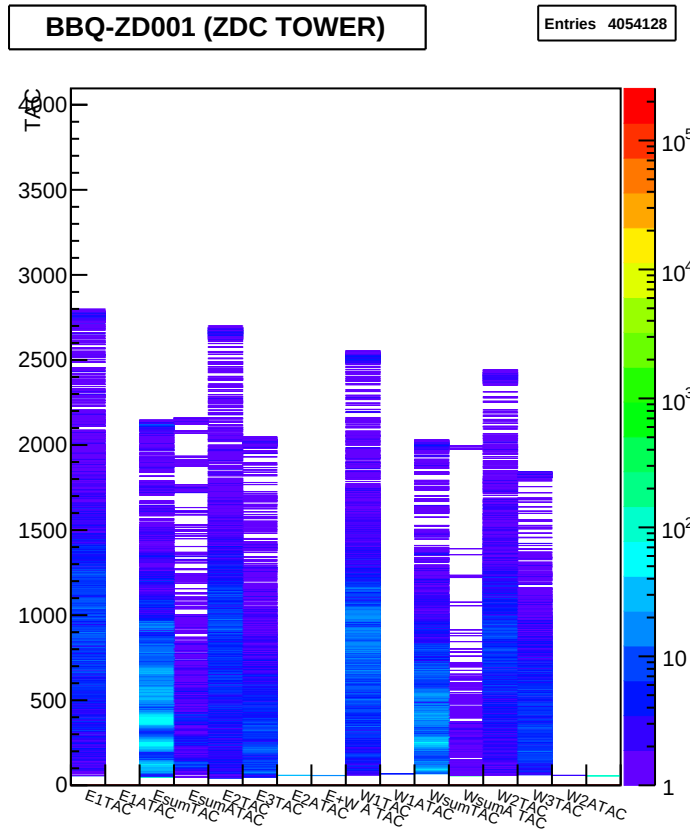

BBQ-BB001 (BBC east small tiles ADC)
Entries 4054128
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

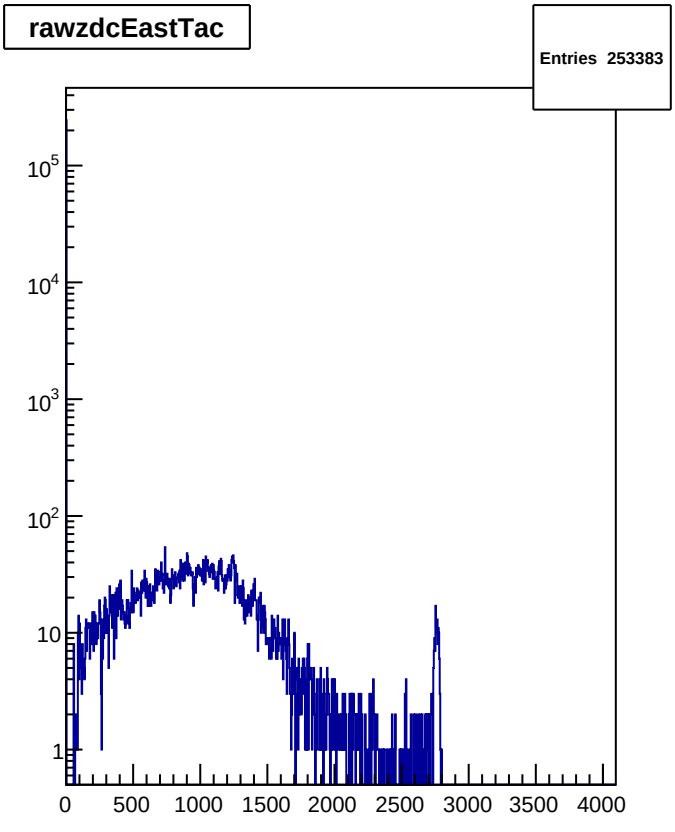

BBQ-BB001 (BBC east small tiles TAC)
Entries 4054128
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

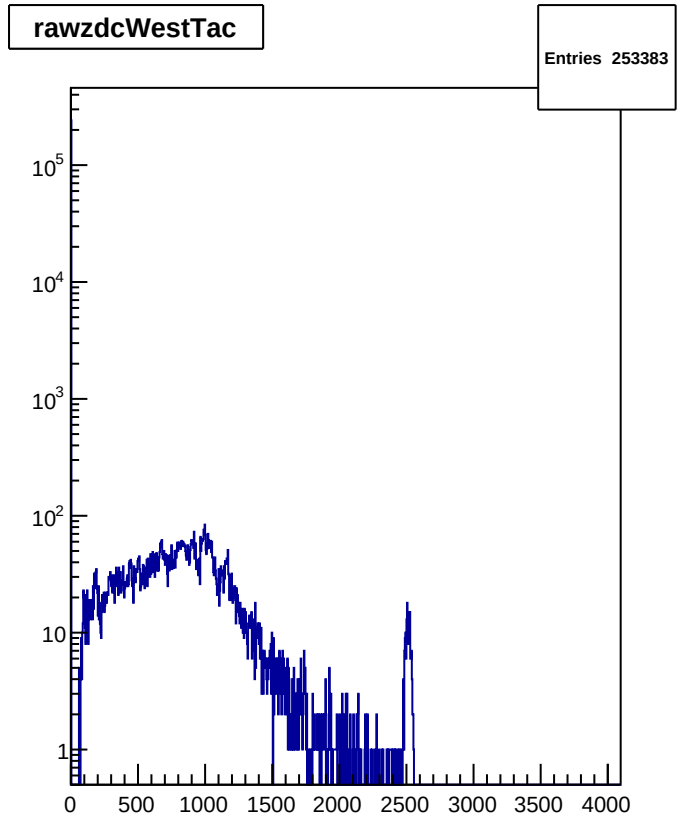

BBQ-BB002 (BBC west small tiles ADC)
Entries 4054128
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

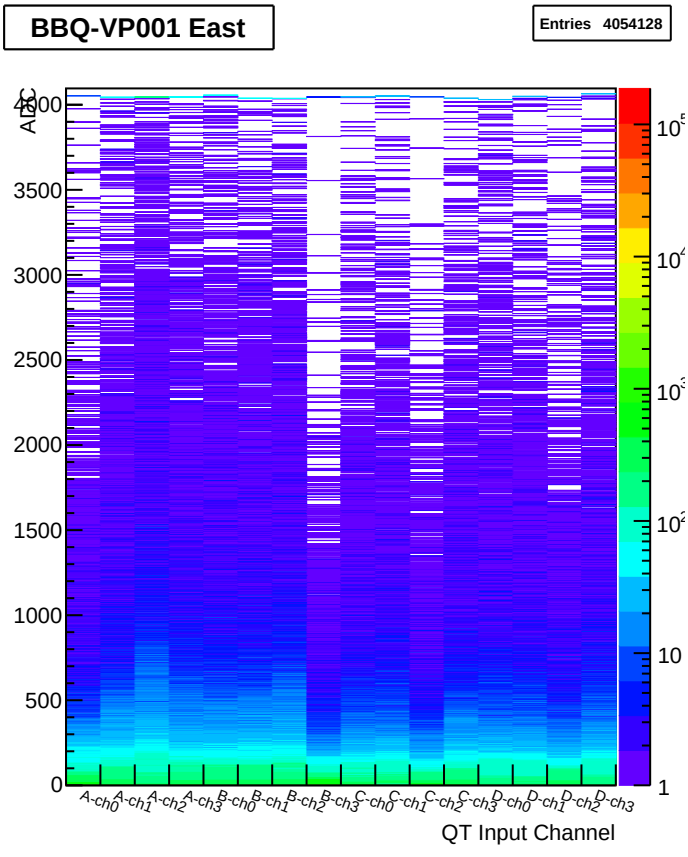

BBQ-BB002 (BBC west small tiles TAC)
Entries 4054128
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

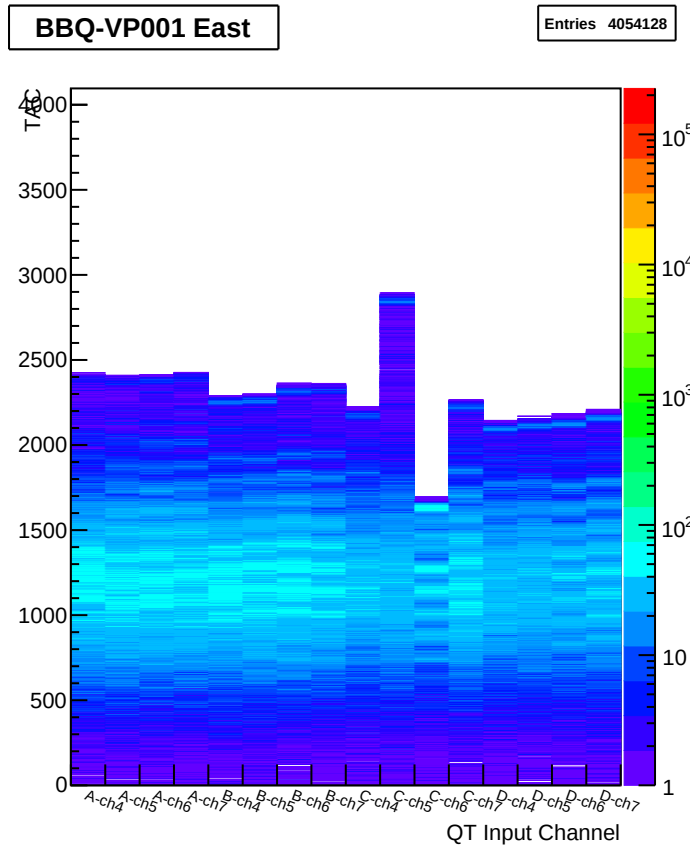

BBQ-ZD001 (ZDC TOWER)
Entries 4054128
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W A
W1
W1A
Wsum
WsumA
W2
W3
W2A

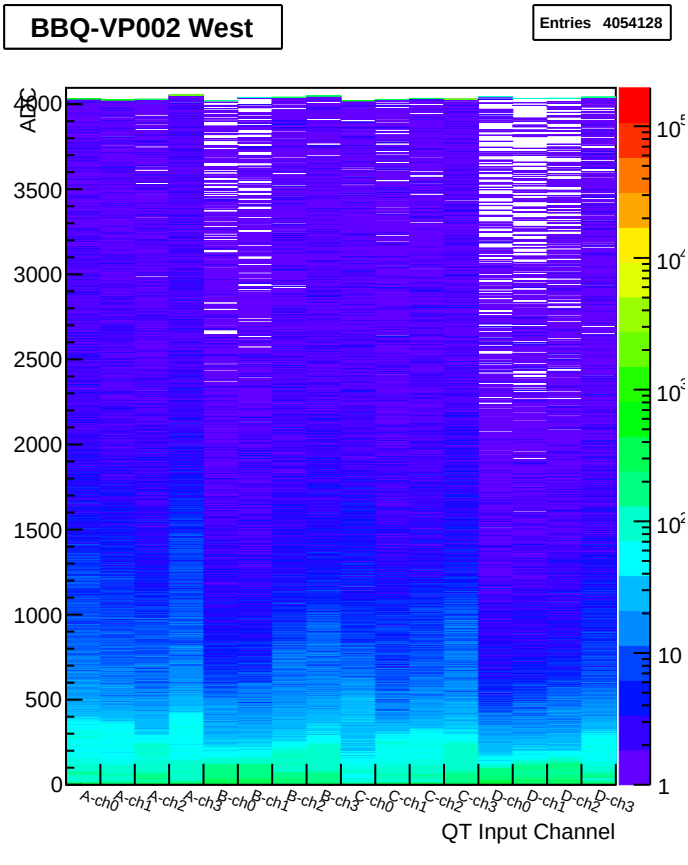

BBQ-ZD001 (ZDC TOWER)
Entries 4054128
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

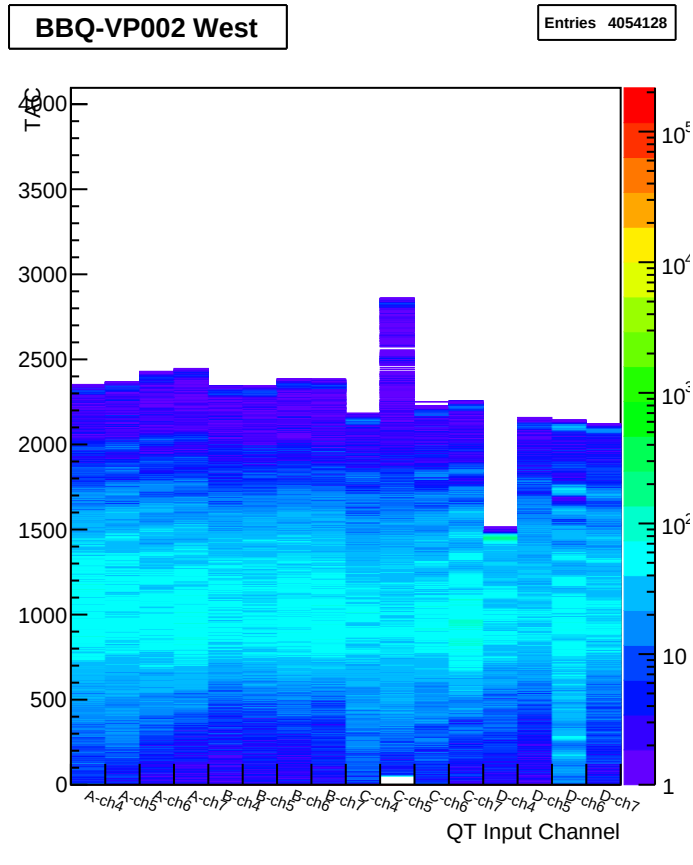

rawzdcEastTac
Entries 253383

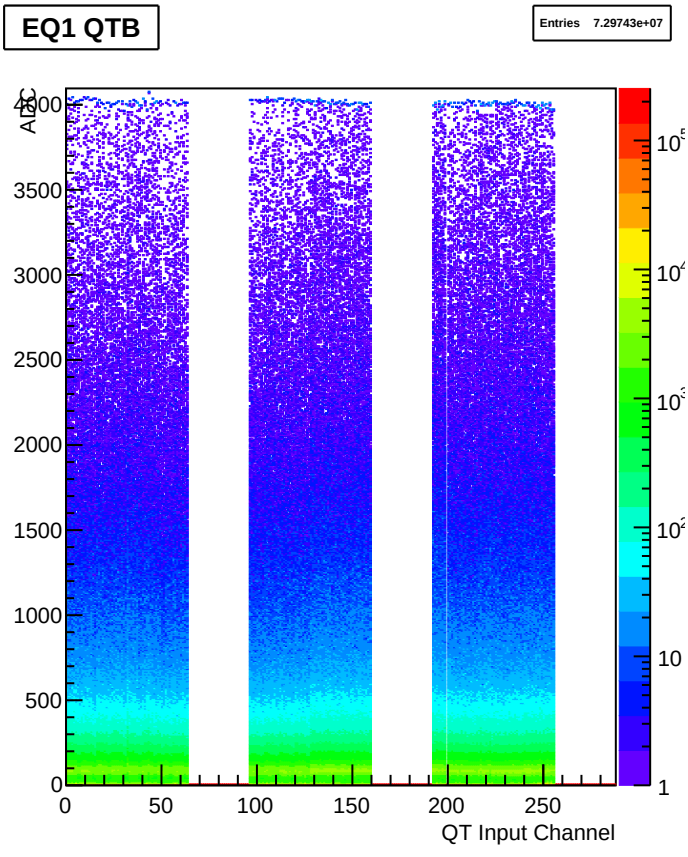

rawzdcWestTac
Entries 253383

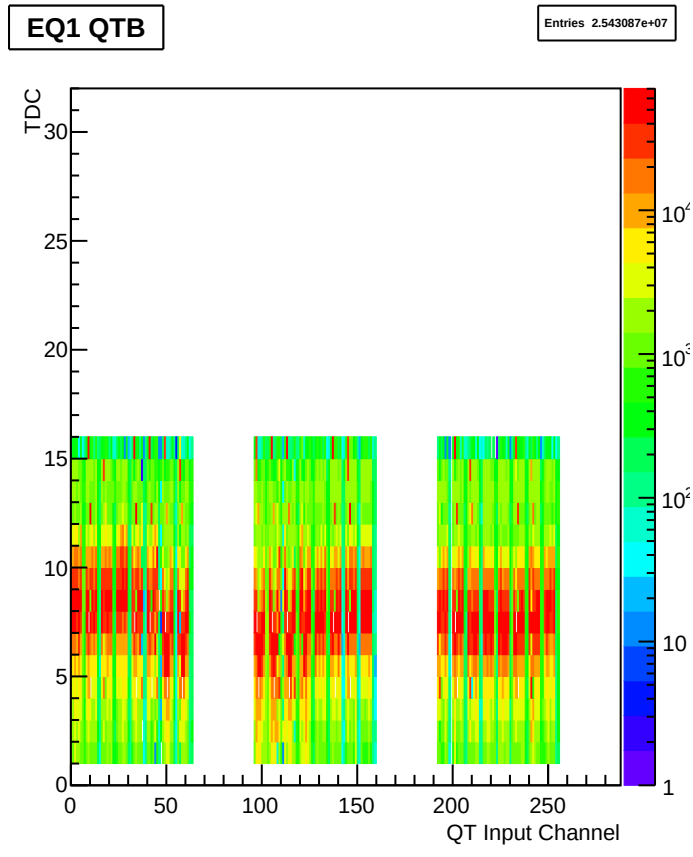

BBQ-VP001 East
Entries 4054128
ADC
QT Input Channel

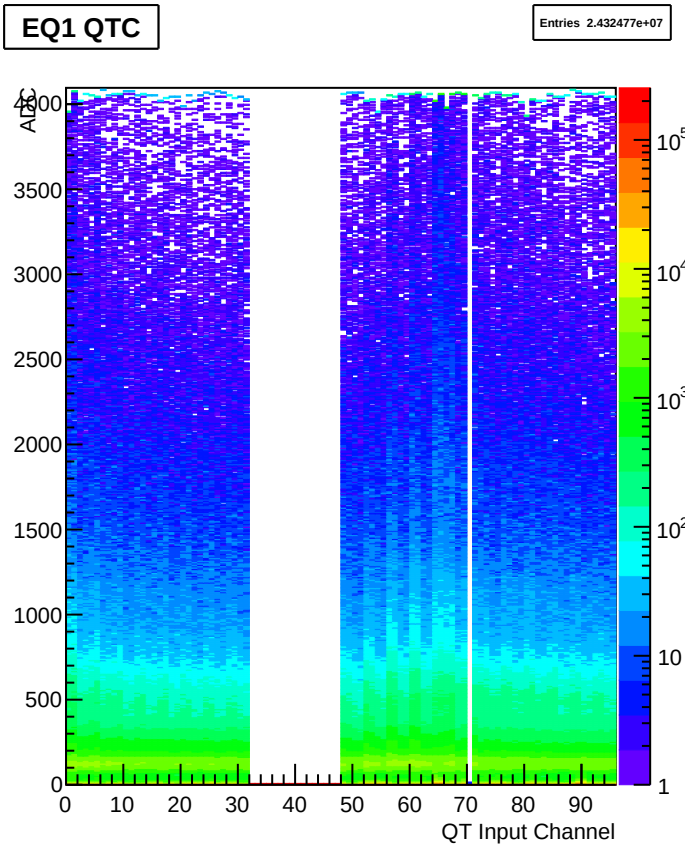

BBQ-VP001 East
Entries 4054128
ADC
QT Input Channel

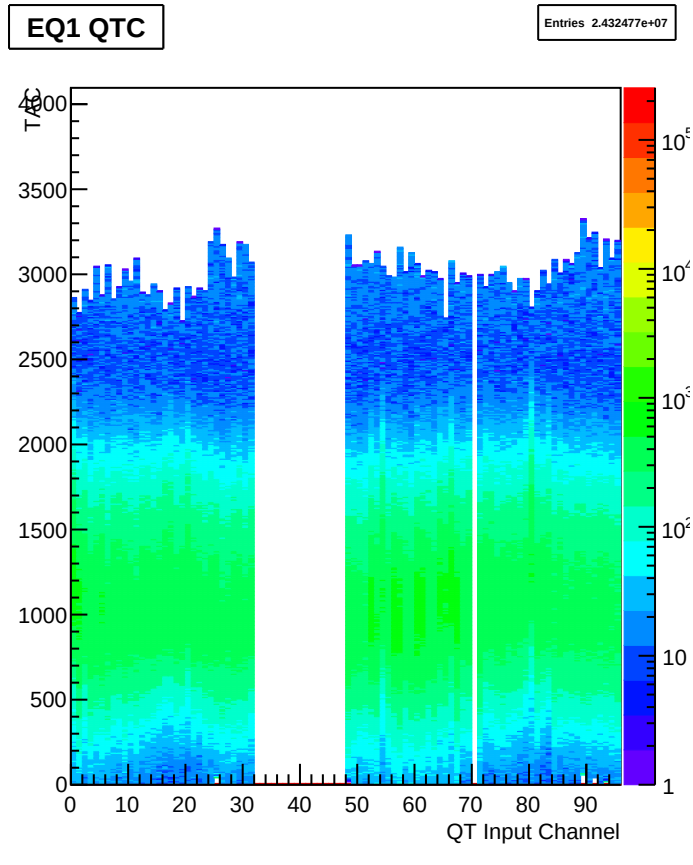

BBQ-VP002 West
Entries 4054128
ADC
QT Input Channel

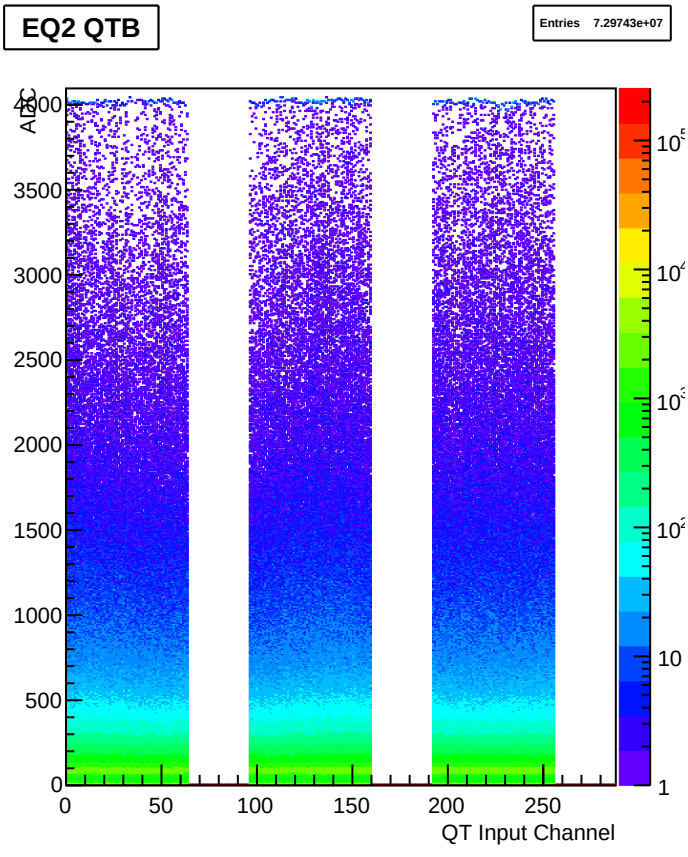

BBQ-VP002 West
Entries 4054128
ADC
QT Input Channel

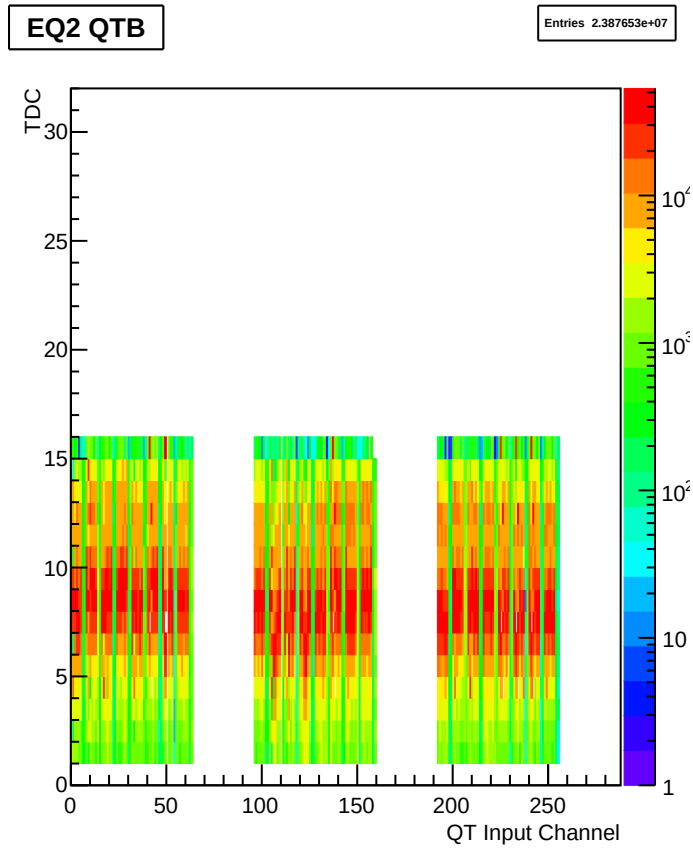

EQ1 QTB
Entries 7.29743e+07
ADC
QT Input Channel

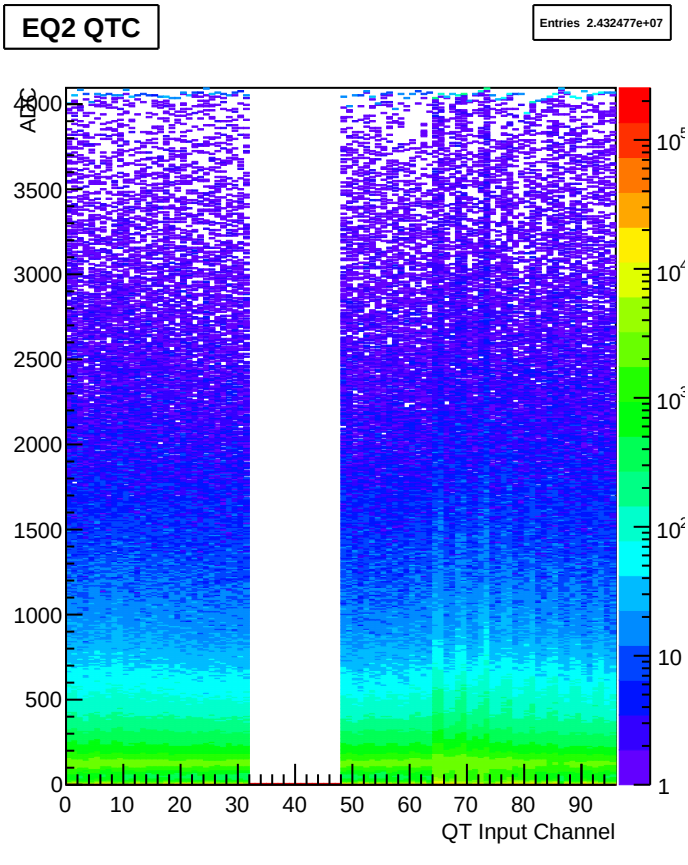

EQ1 QTB
Entries 2.543087e+07
TDC
QT Input Channel

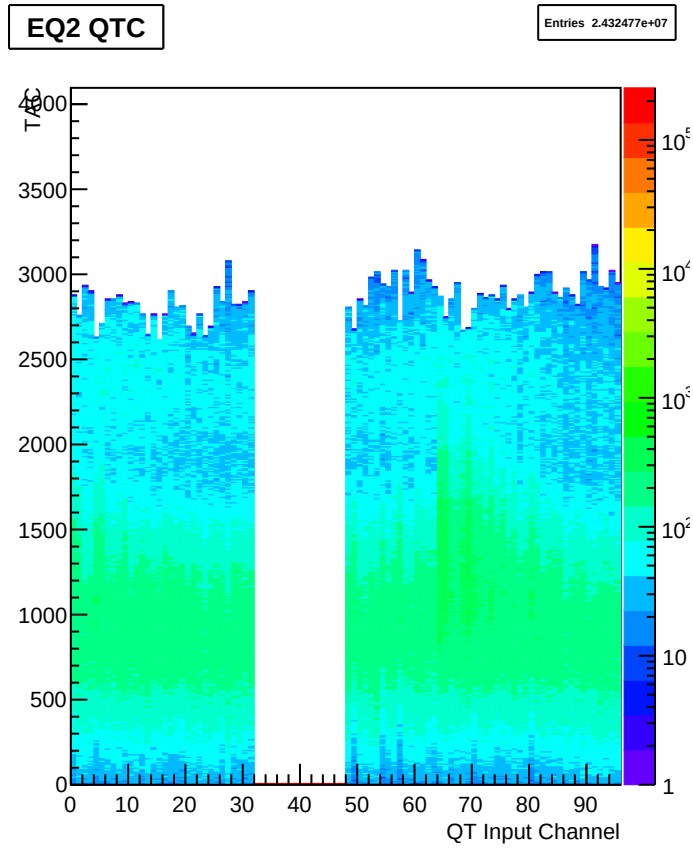

EQ1 QTC
Entries 2.432477e+07
ADC
QT Input Channel

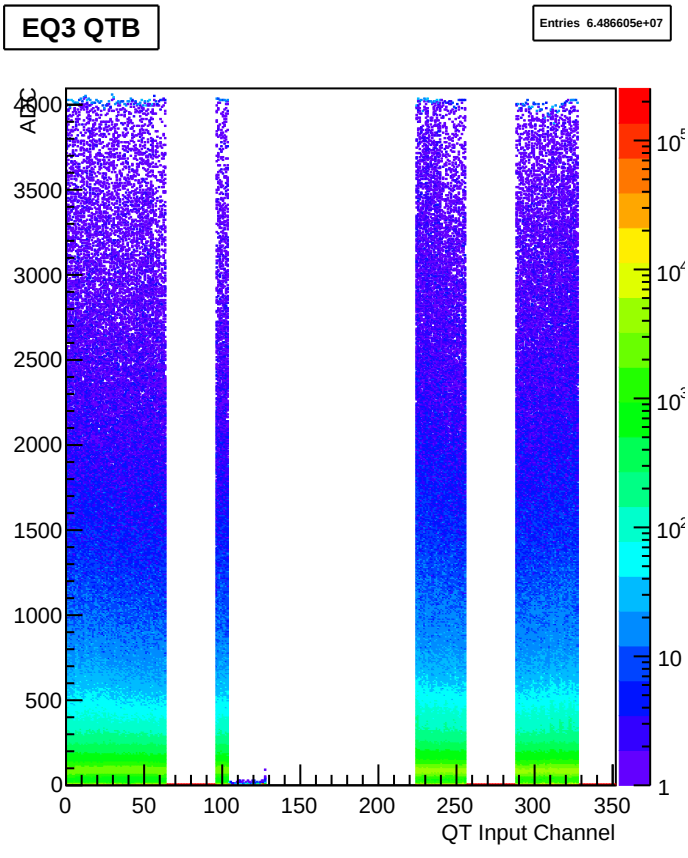

EQ1 QTC
Entries 2.432477e+07
TADC
QT Input Channel

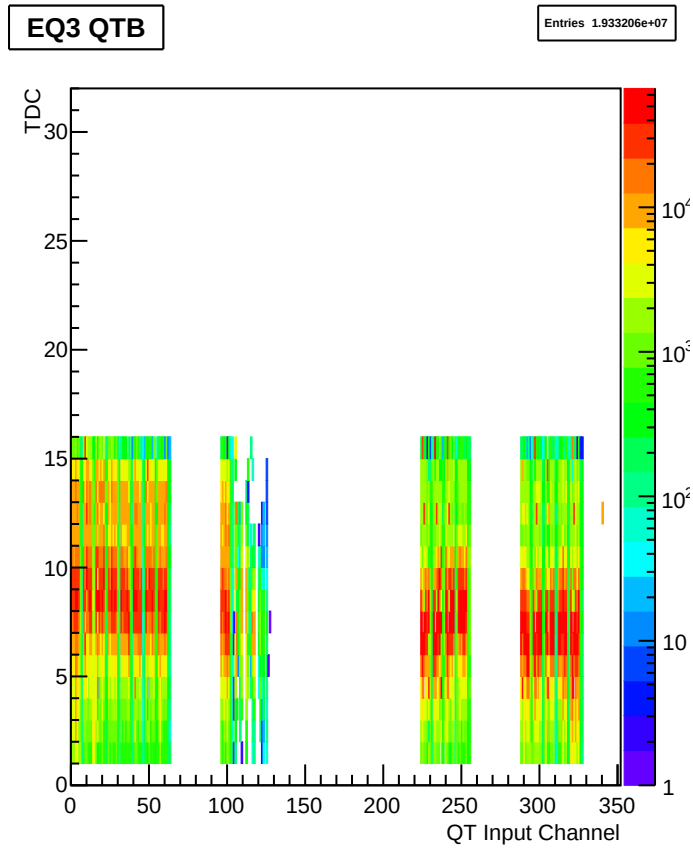

EQ2 QTB
Entries 7.29743e+07
ADC
QT Input Channel

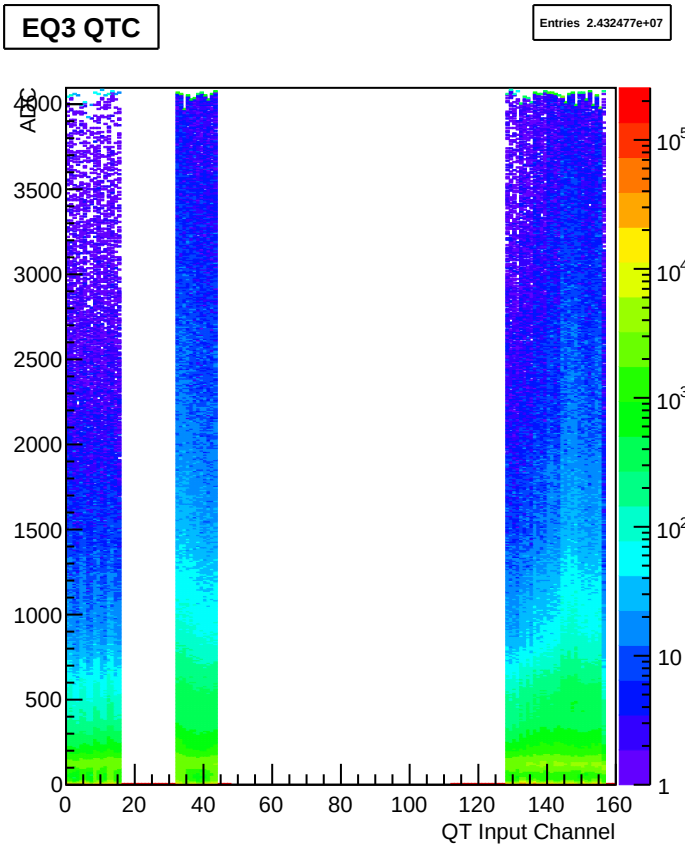

EQ2 QTB
Entries 2.387653e+07
TDC
QT Input Channel

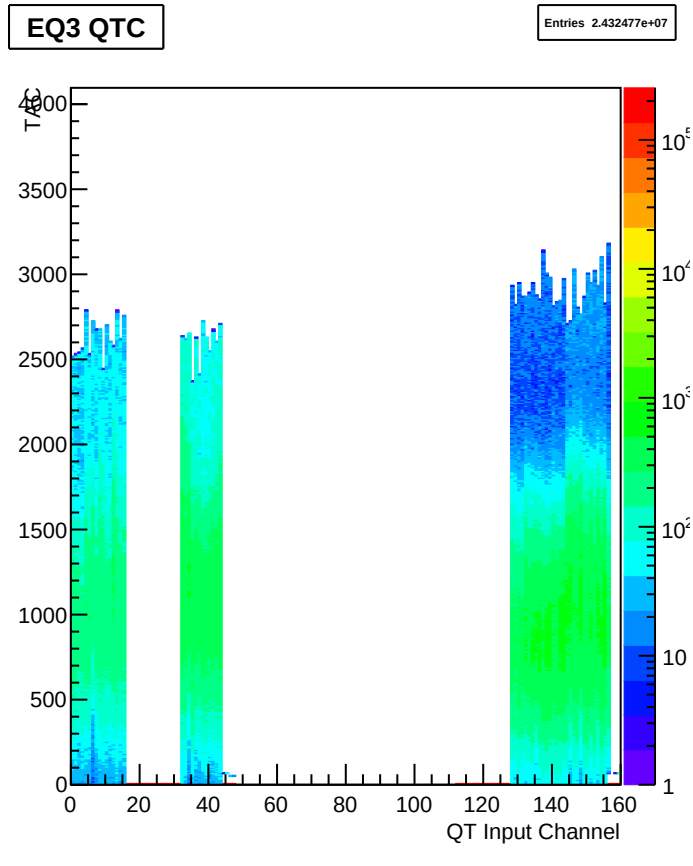

EQ2 QTC
Entries 2.432477e+07
ADC
QT Input Channel

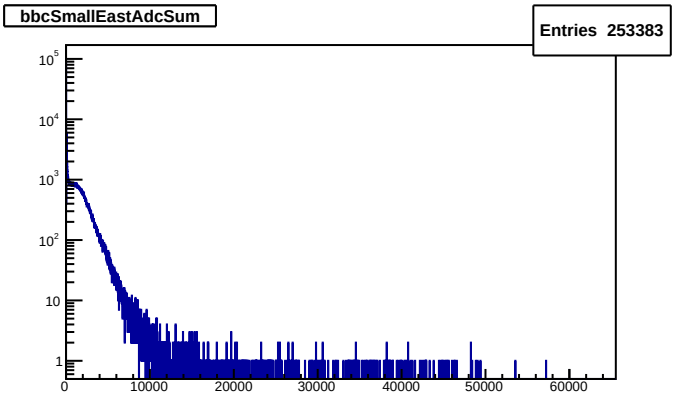

EQ2 QTC
Entries 2.432477e+07
TADC
QT Input Channel

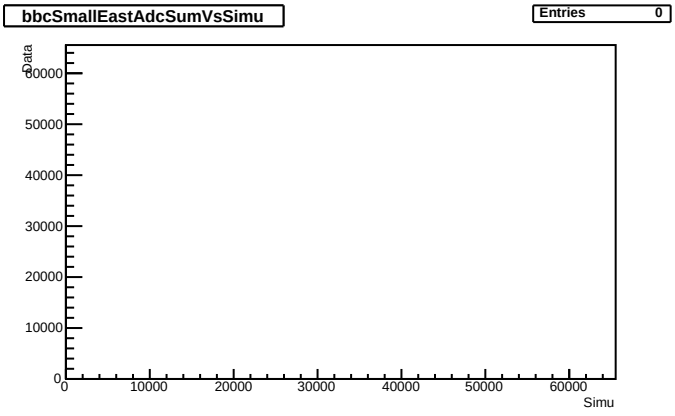

EQ3 QTB
Entries 6.486605e+07
ADC
QT Input Channel

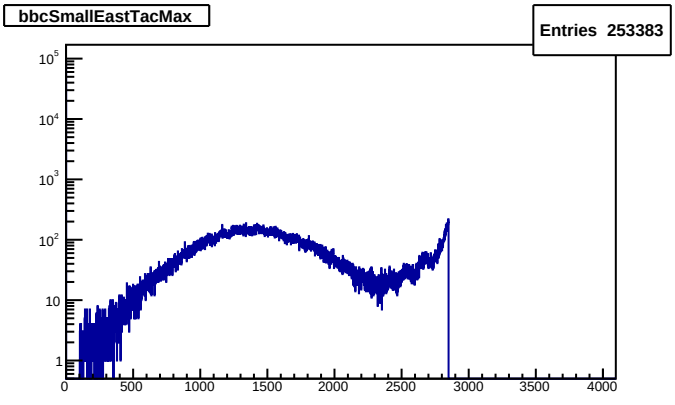

EQ3 QTB
Entries 1.933206e+07
TDC
QT Input Channel

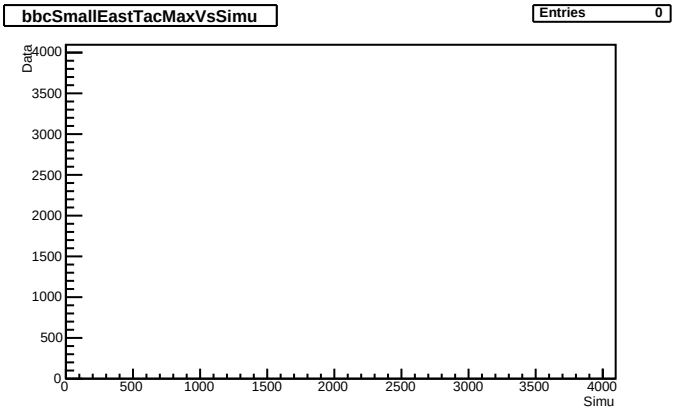

EQ3 QTC
Entries 2.432477e+07
ADC
QT Input Channel


EQ3 QTC
Entries 2.432477e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 253383


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 253383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Entries 0
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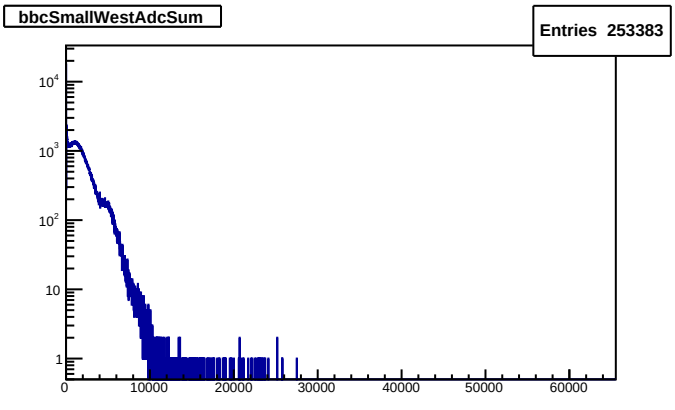
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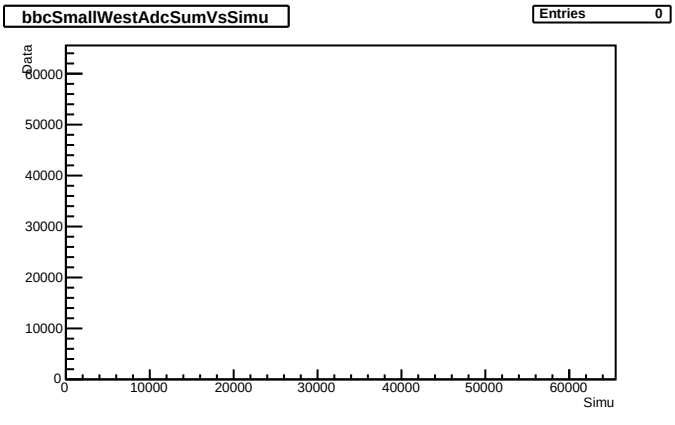
Entries 253383


bbcSmallWestAdcSumVsSimu
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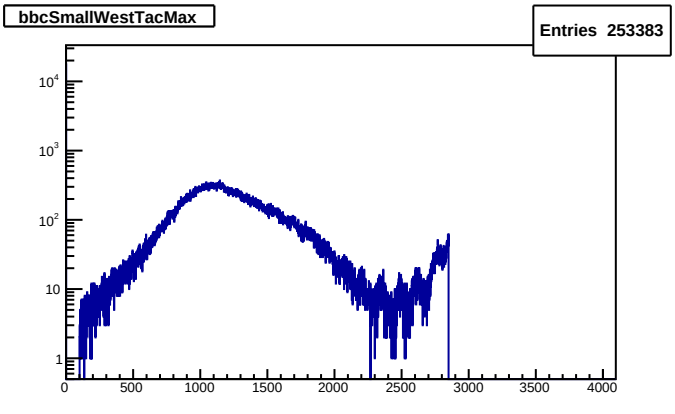
Simu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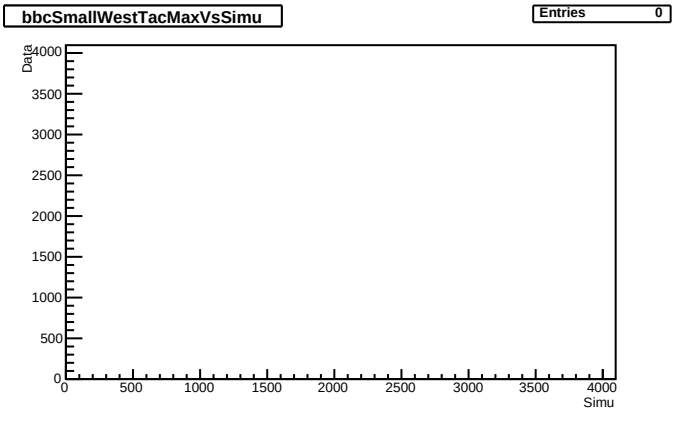
Entries 253383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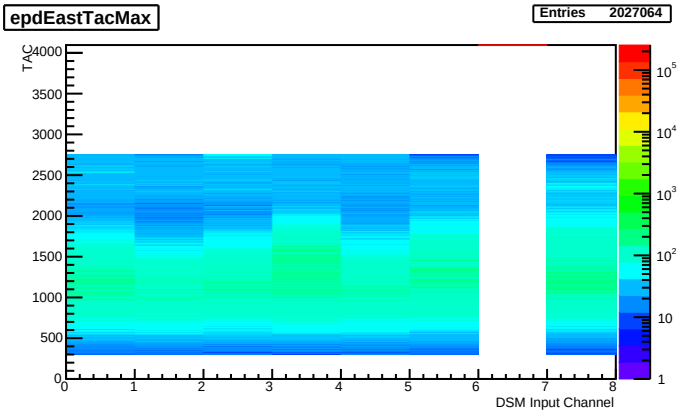
Entries 0
Data
Simu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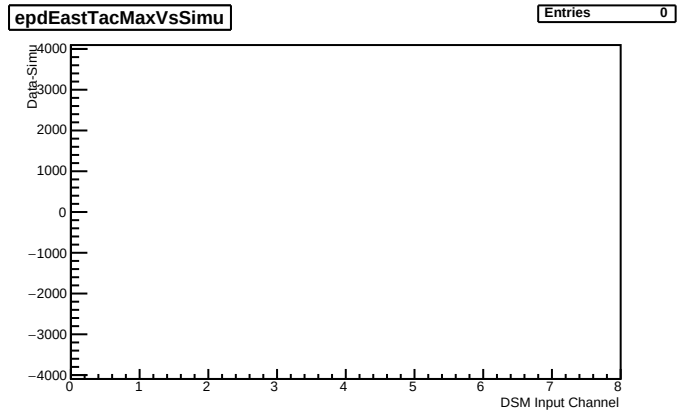
TAC
DSM Input Channel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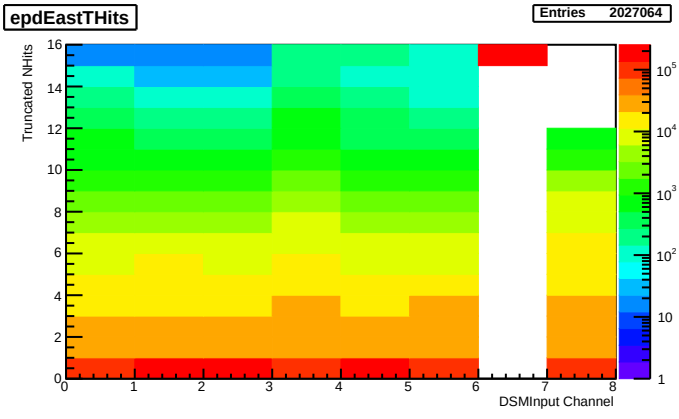
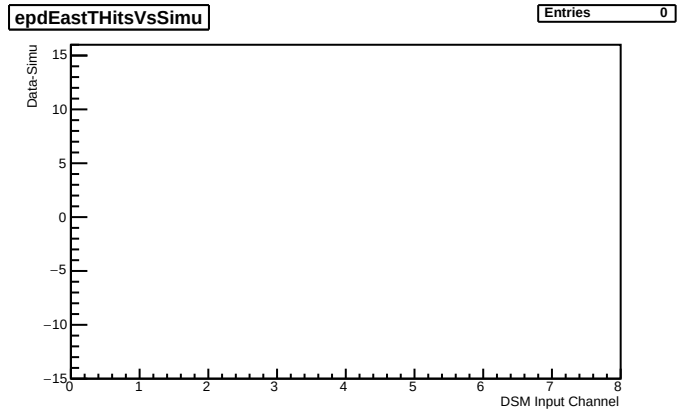
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2027064
Truncated NHits
DSMInput Channel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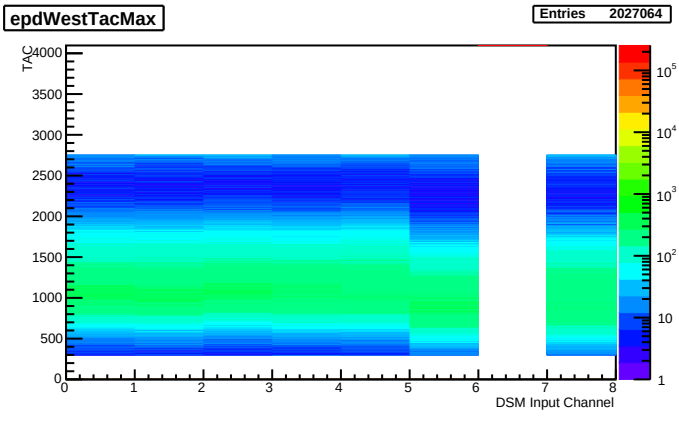
Data-Simu
DSM Input Channel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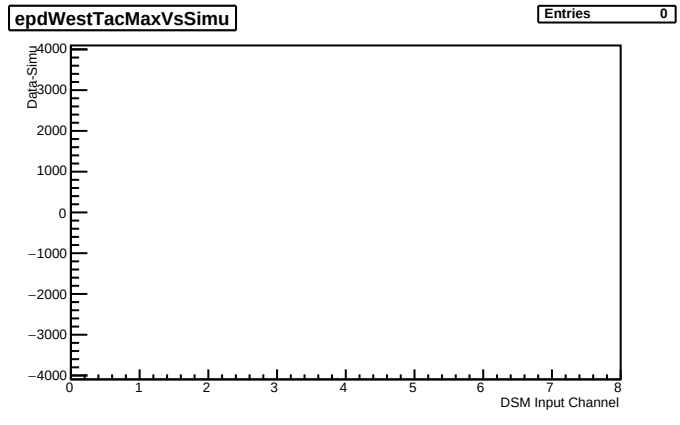
DSM Input Channel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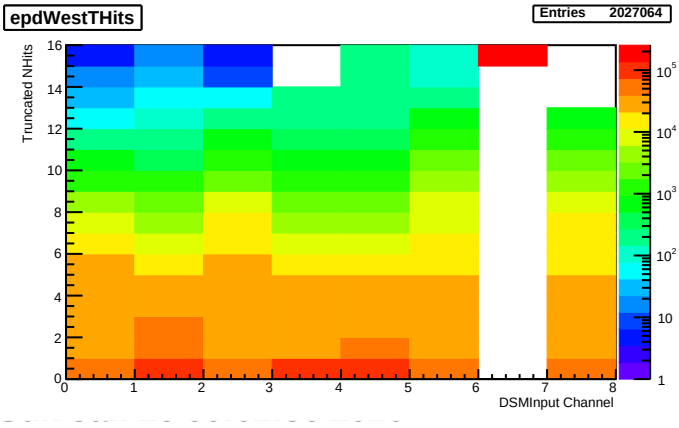
Entries 0
Data-Simu
DSM Input Channel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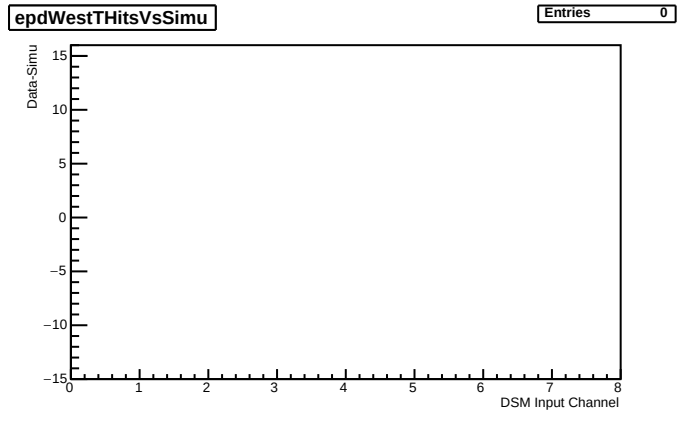
Entries 2027064
Truncated NHits
DSMInput Channel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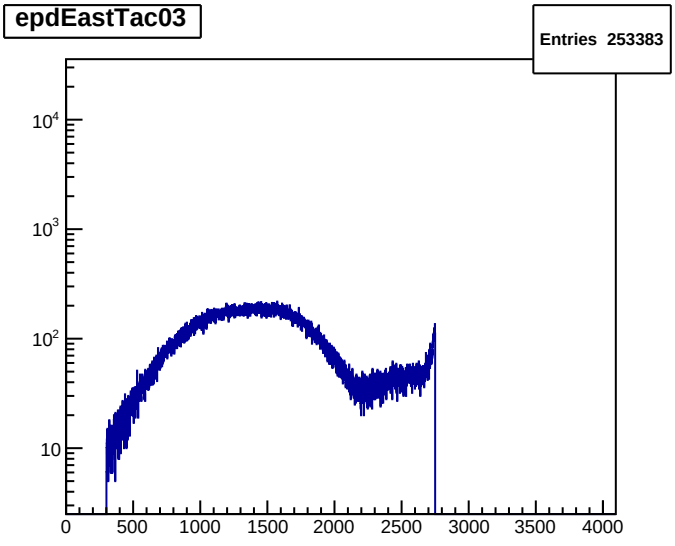
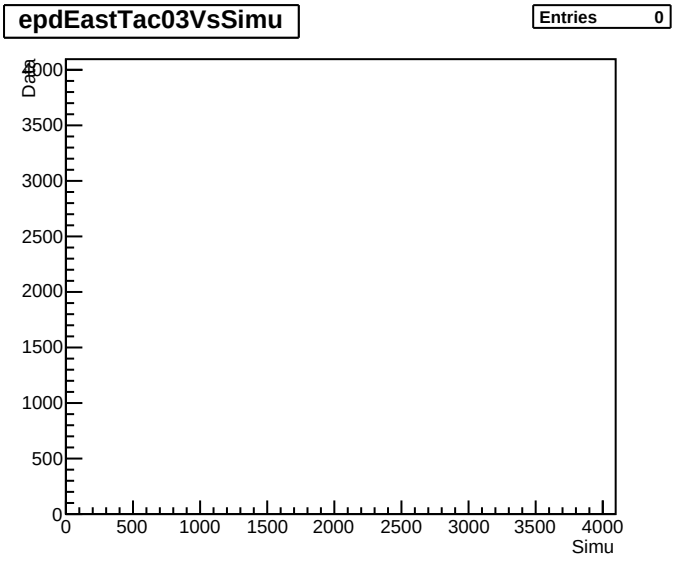
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 253383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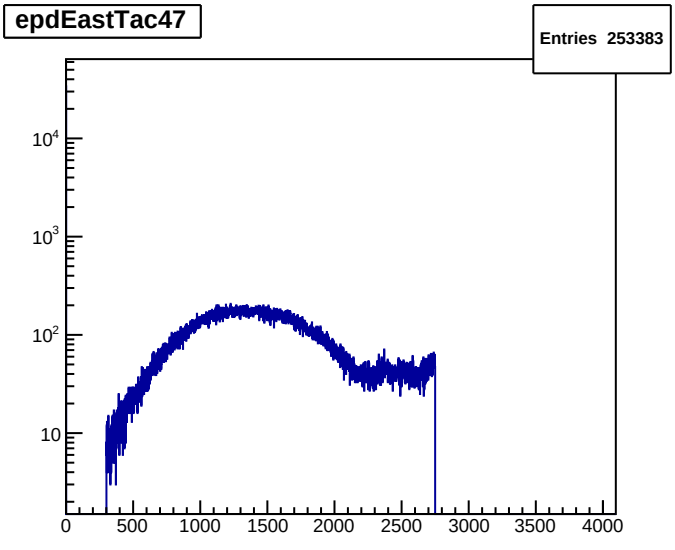
Entries 0
Data
Simu


epdEastTac47
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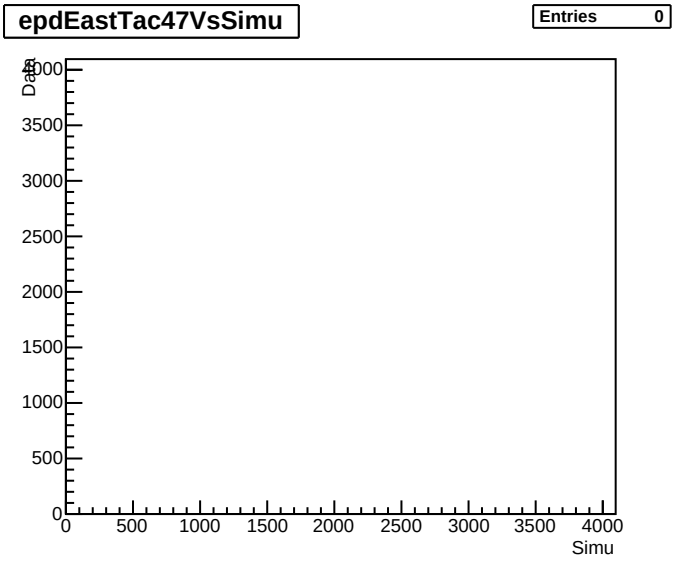
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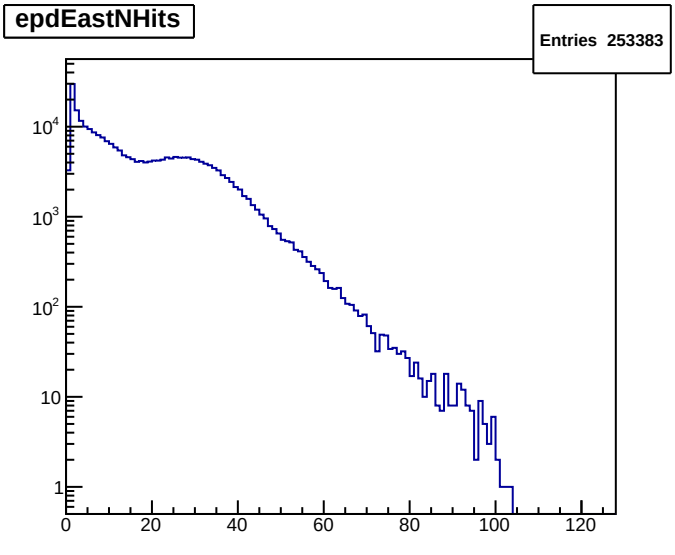
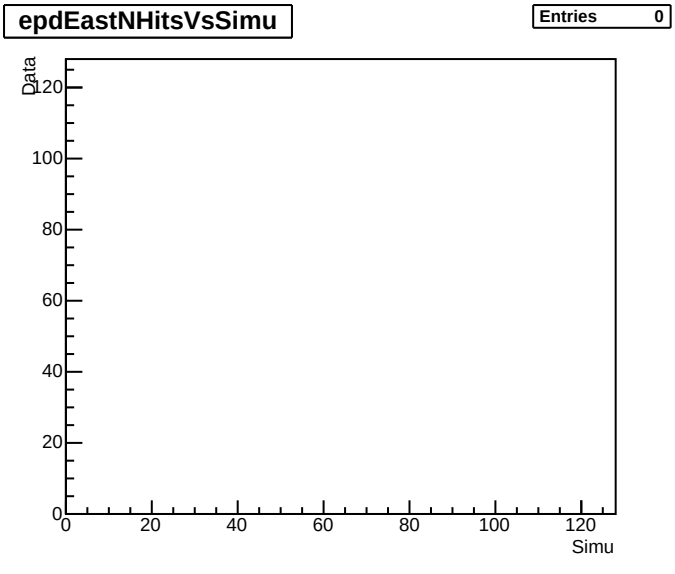
Entries 0
Data
Simu


epdEastNHits
Entries 253383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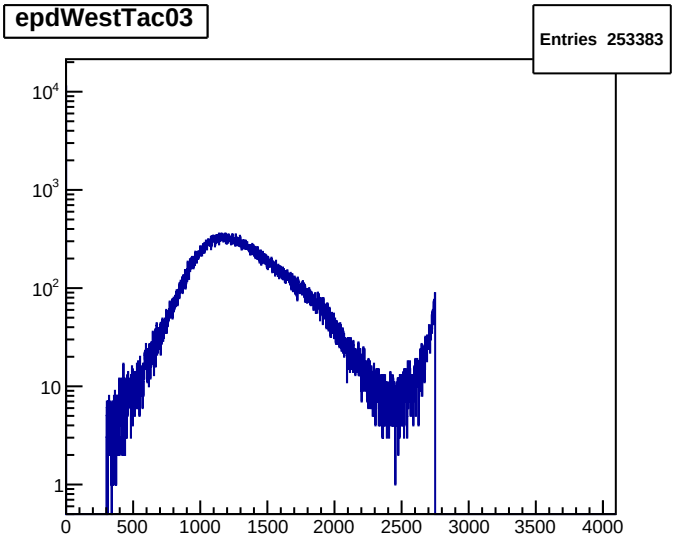
Entries 0
Data
Simu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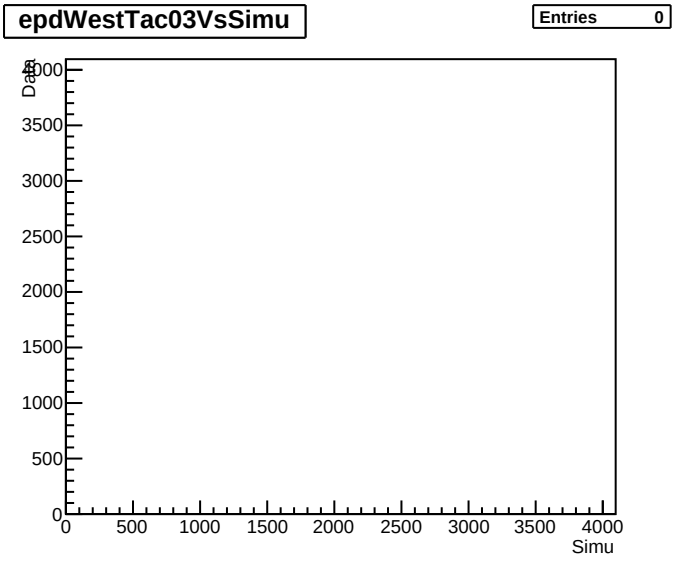
Entries 253383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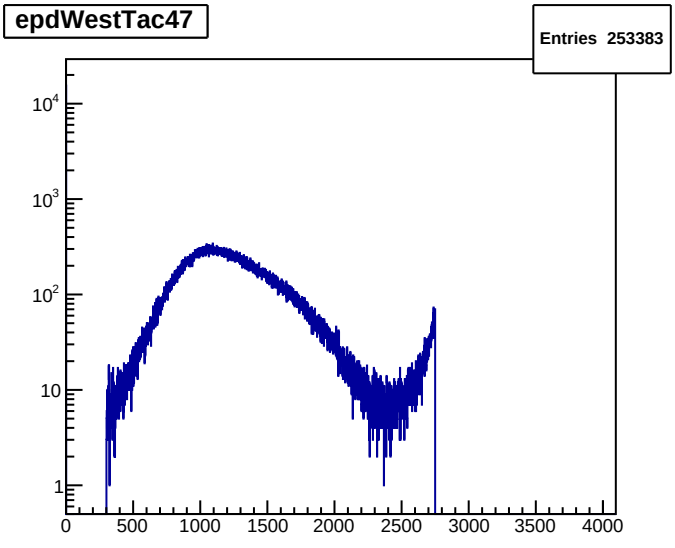
Entries 0
Data
Simu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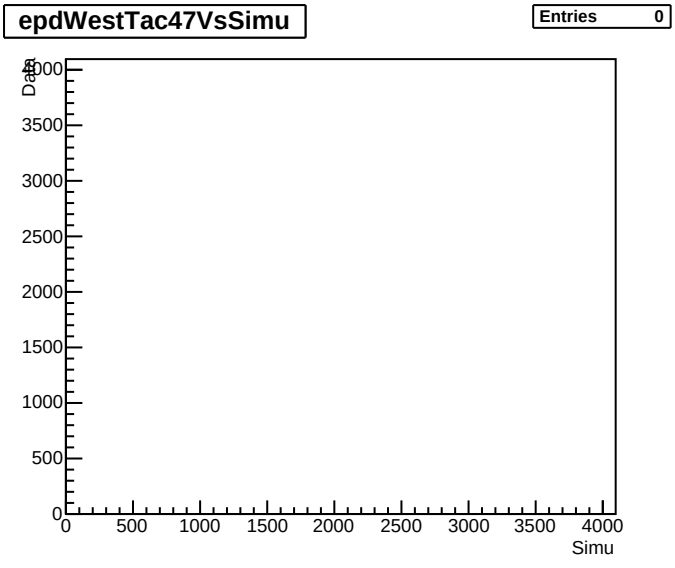
Entries 253383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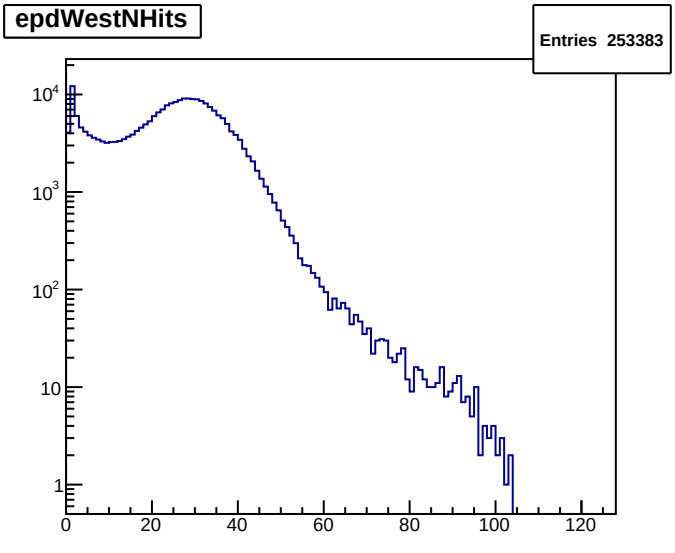
Entries 0
Data
Simu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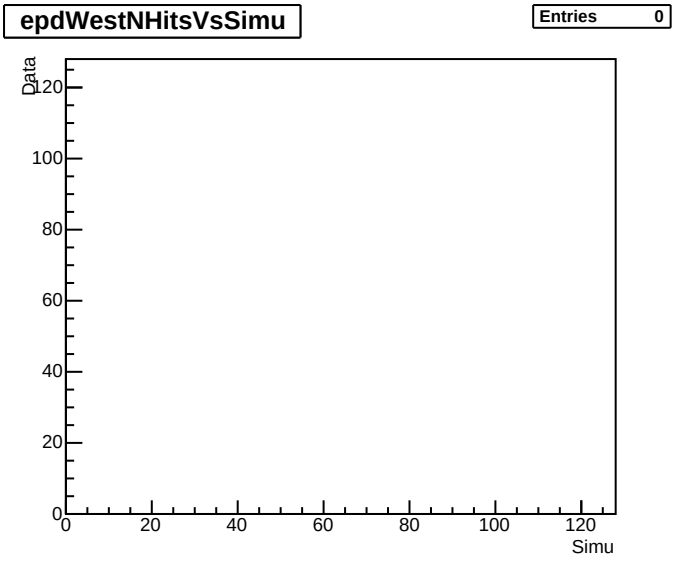
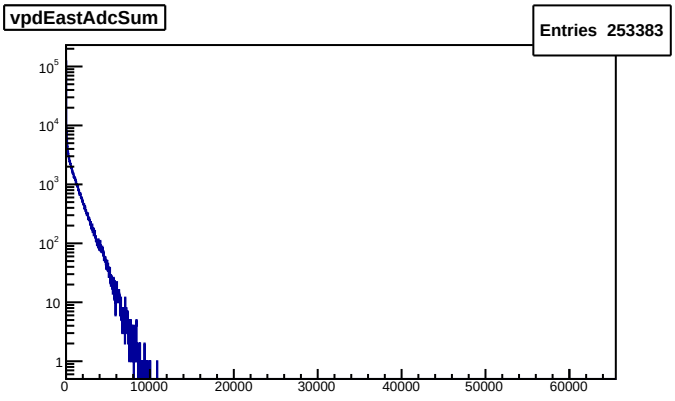
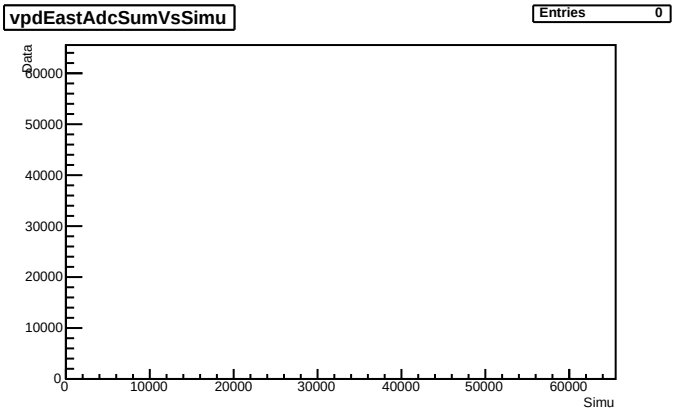
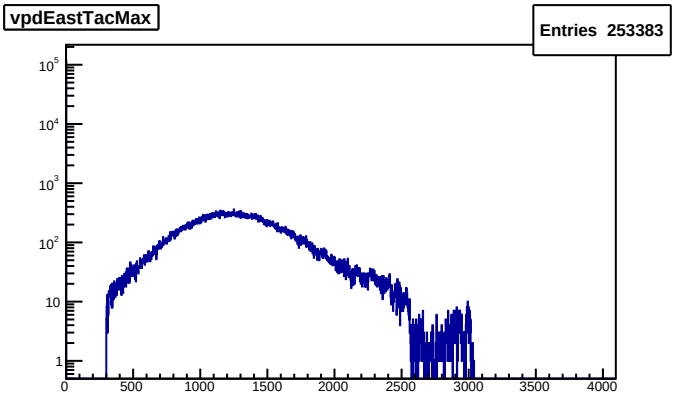
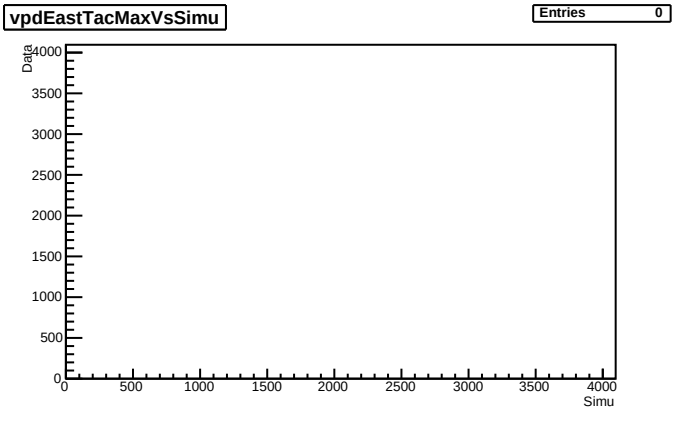
Entries 253383


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 253383


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 253383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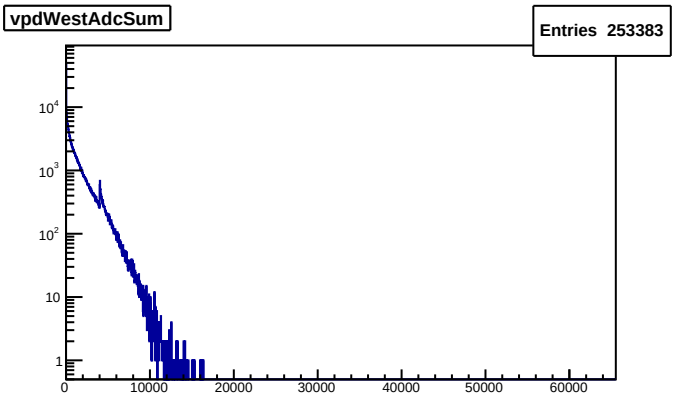
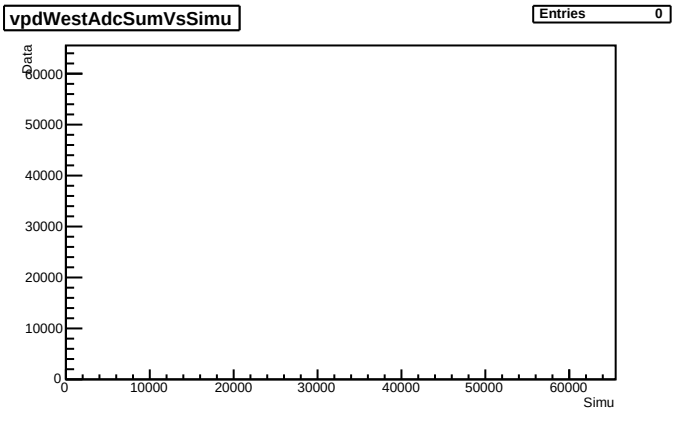
Entries 0
Data
Simu


vpdWestAdcSum
Entries 253383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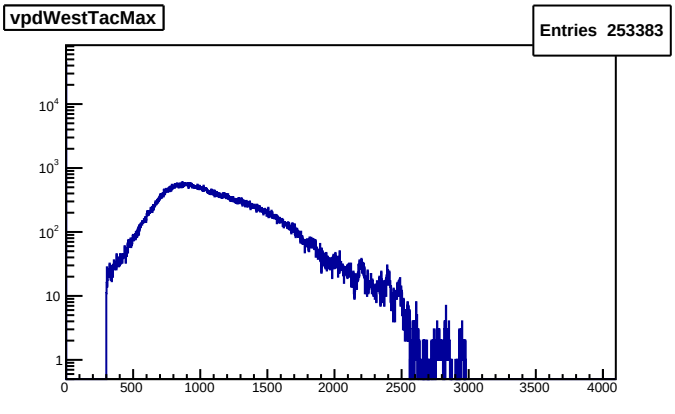
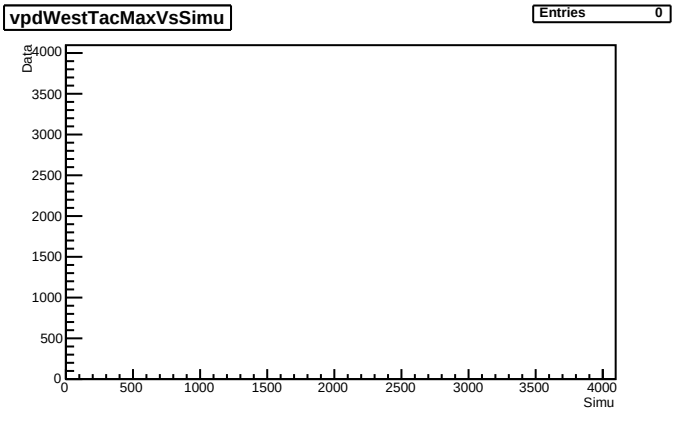
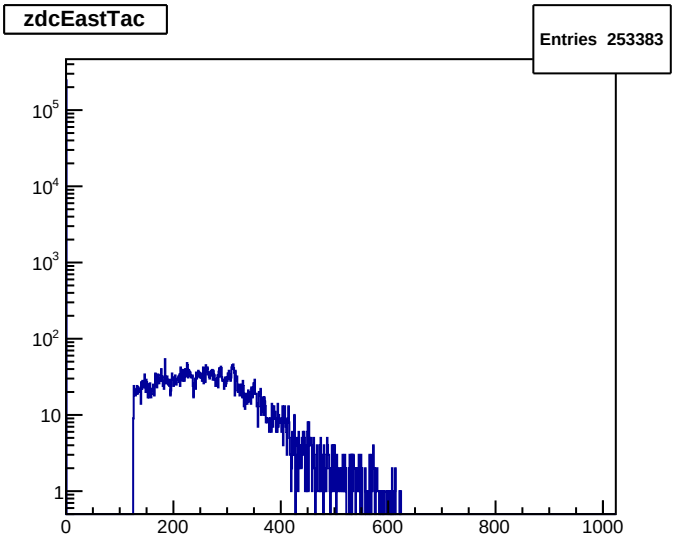
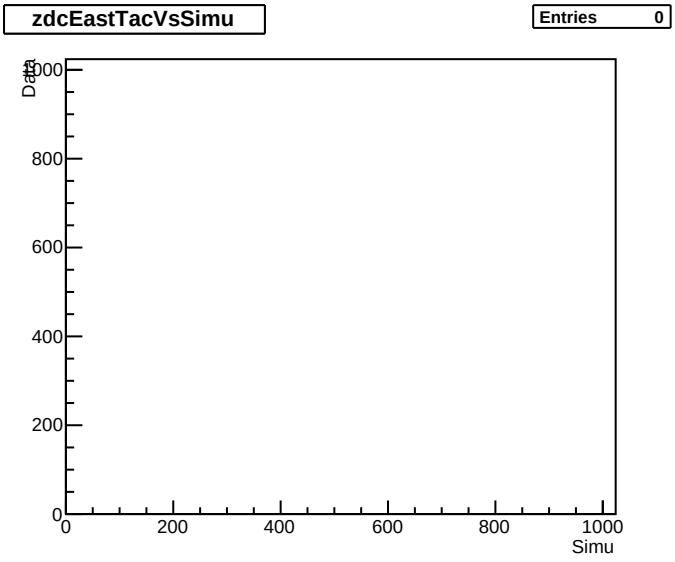
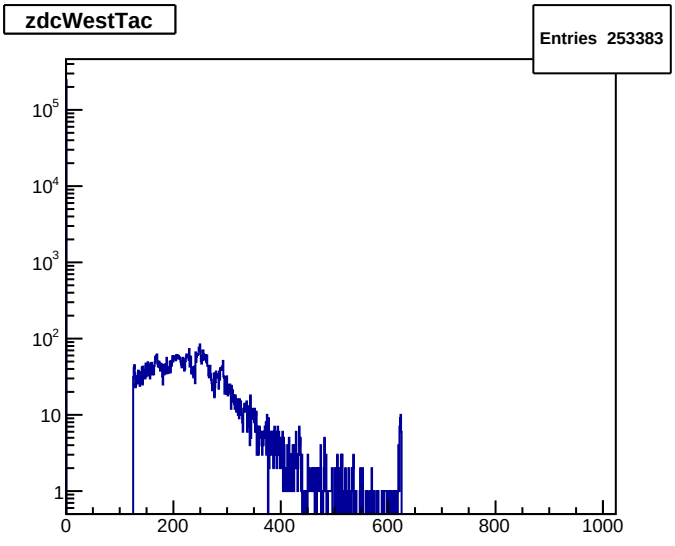
Entries 0
Data
Simu

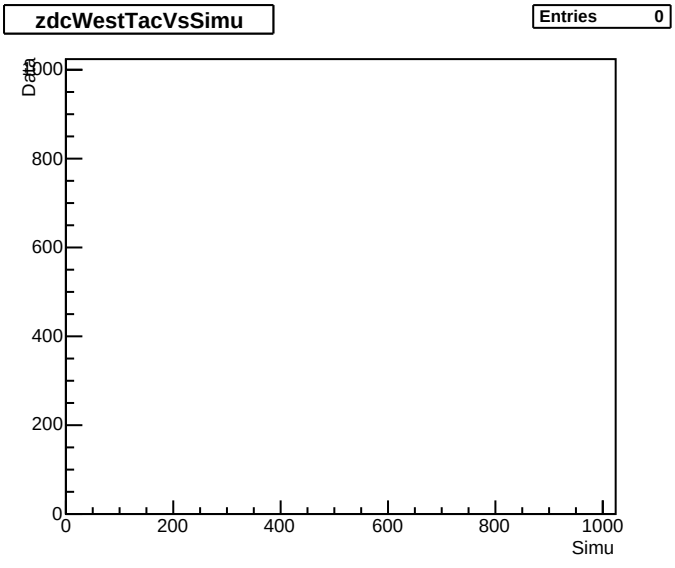

vpdWestTacMax
Entries 253383

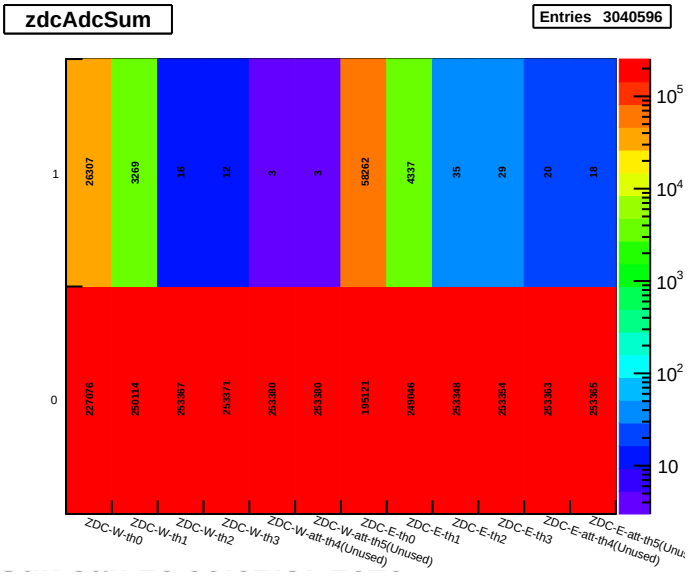

vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 253383
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 253383
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 3040596
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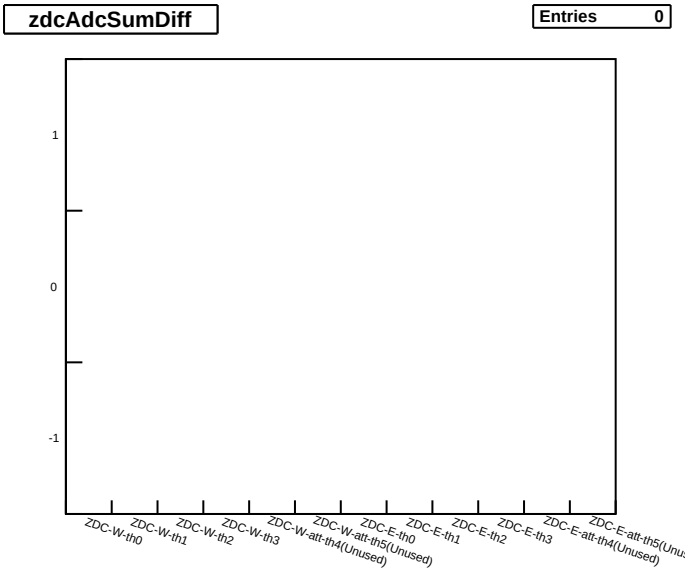
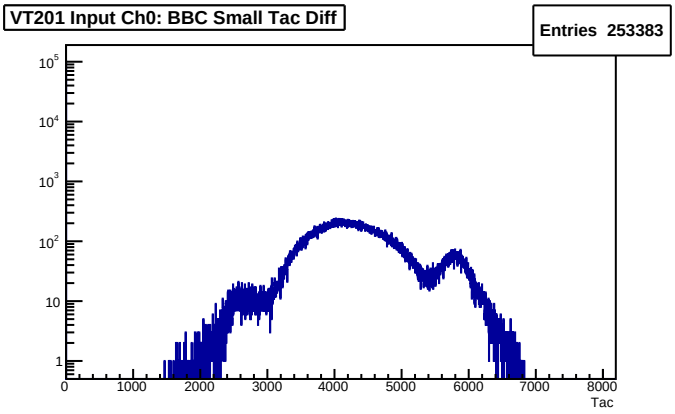
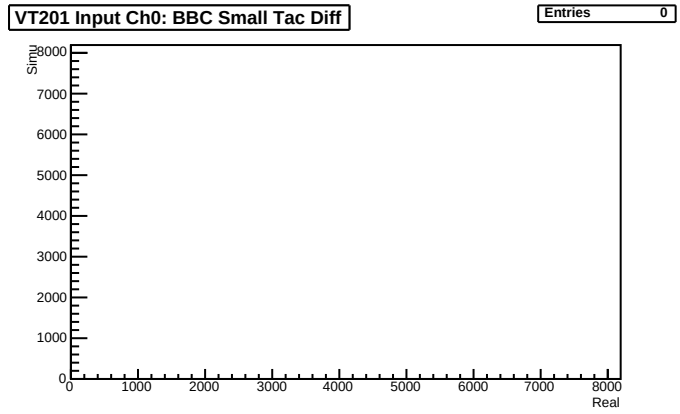
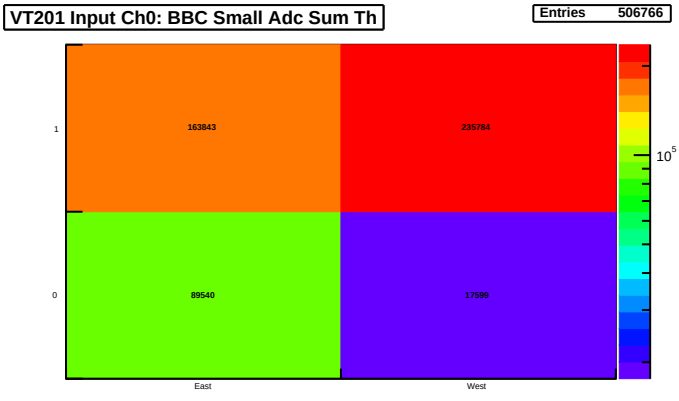
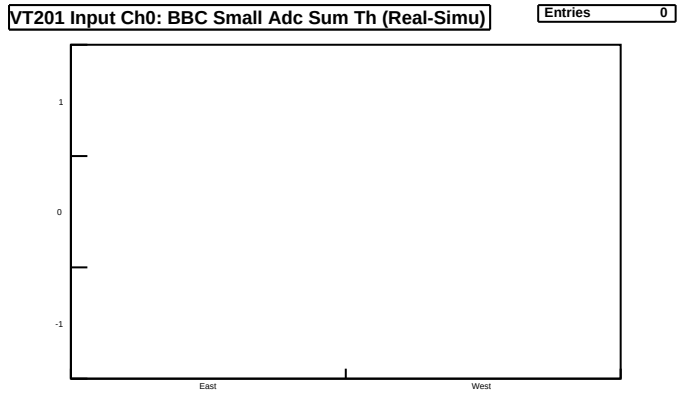
26307
3269
16
12
3
3
58262
4337
35
29
20
18
227076
250114
253367
253371
253380
253380
195121
249046
253348
253354
253363
253365
10^5
10^4
10^3
10^2
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

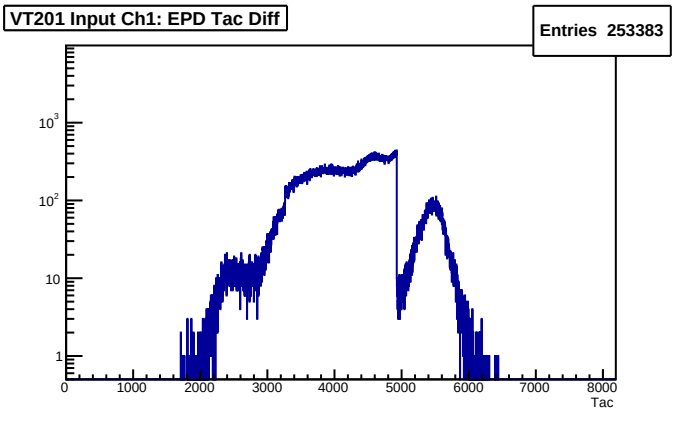

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

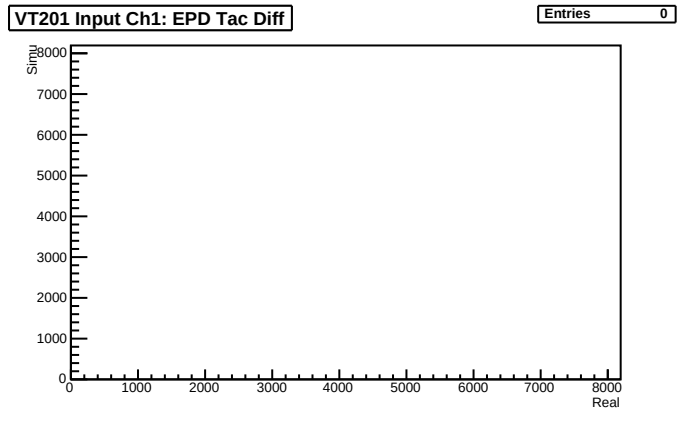

VT201 Input Ch0: BBC Small Tac Diff
Entries 253383
Tac

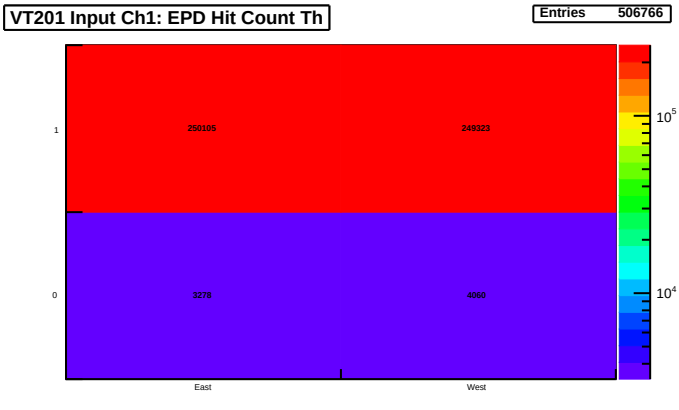

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

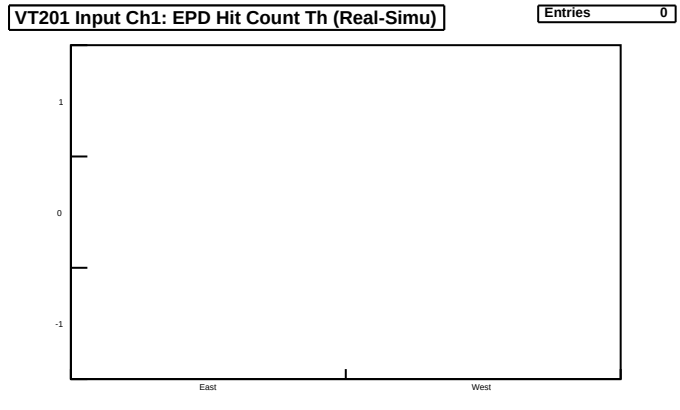

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 506766
163843
235784
89540
17599
East
West

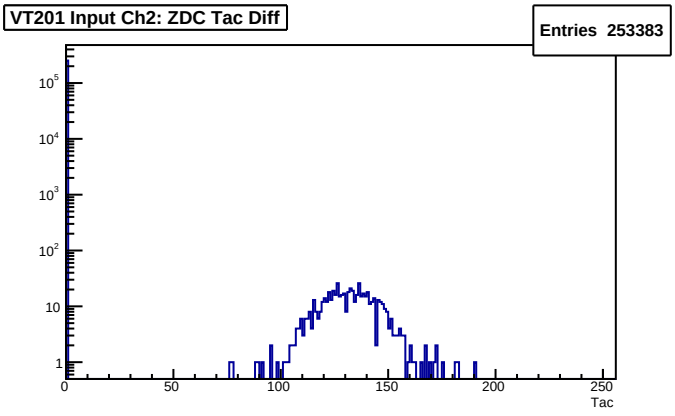

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

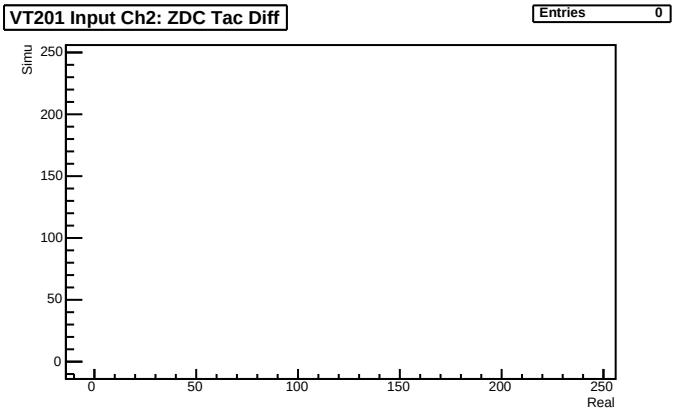

VT201 Input Ch1: EPD Tac Diff
Entries 253383
Tac

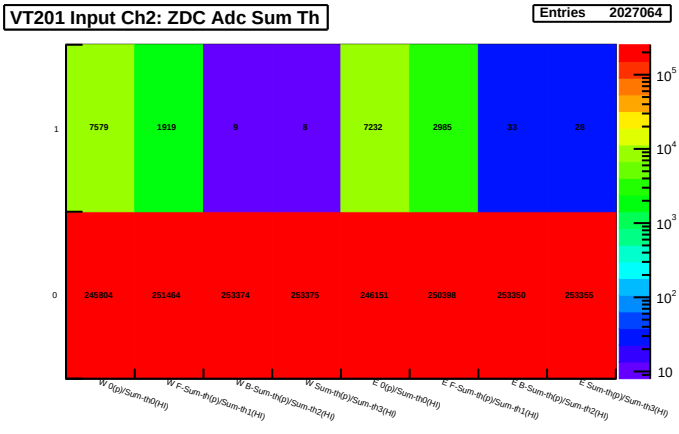

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

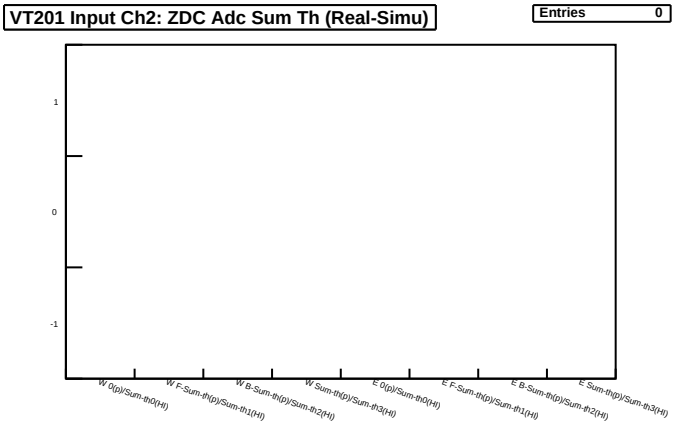

VT201 Input Ch1: EPD Hit Count Th
Entries 506766
250105
249323
3278
4060
East
West

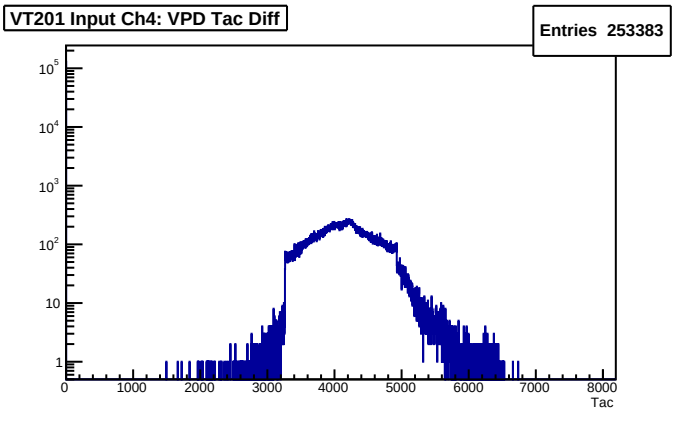

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

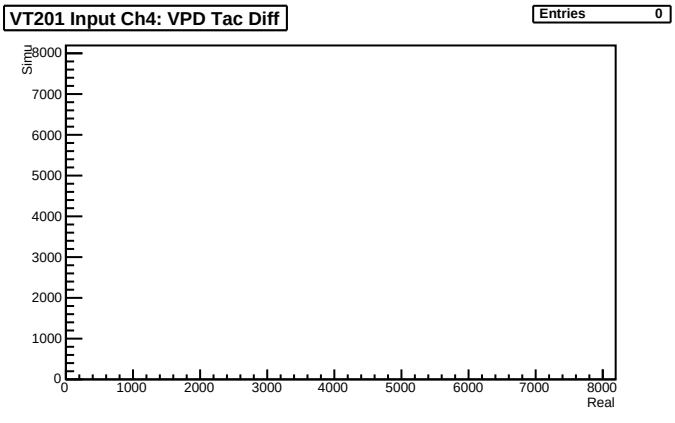

VT201 Input Ch2: ZDC Tac Diff
Entries 253383
Tac

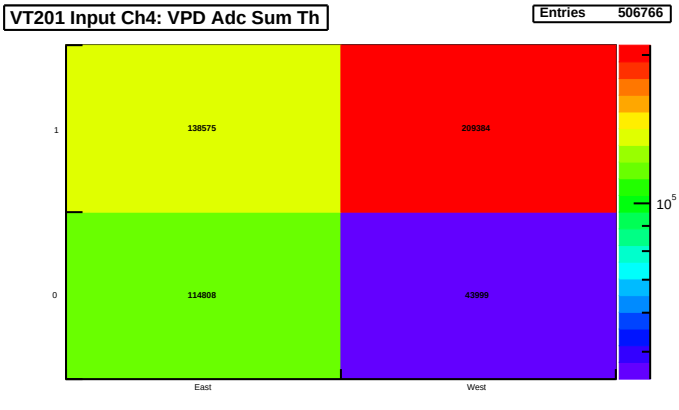

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

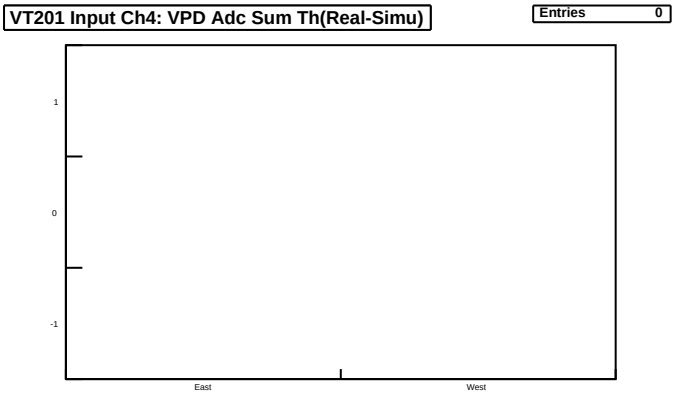

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2027064
7579
1919
9
8
7232
2985
33
28
245804
251464
253374
253375
246151
250398
253350
253355
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

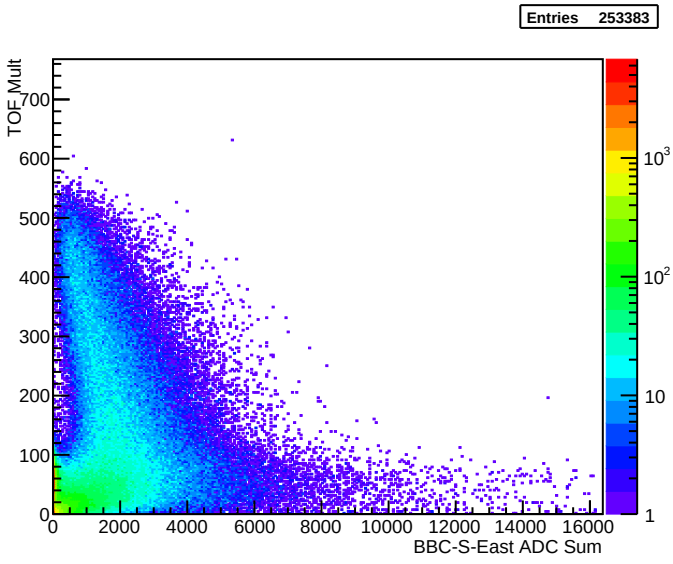

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

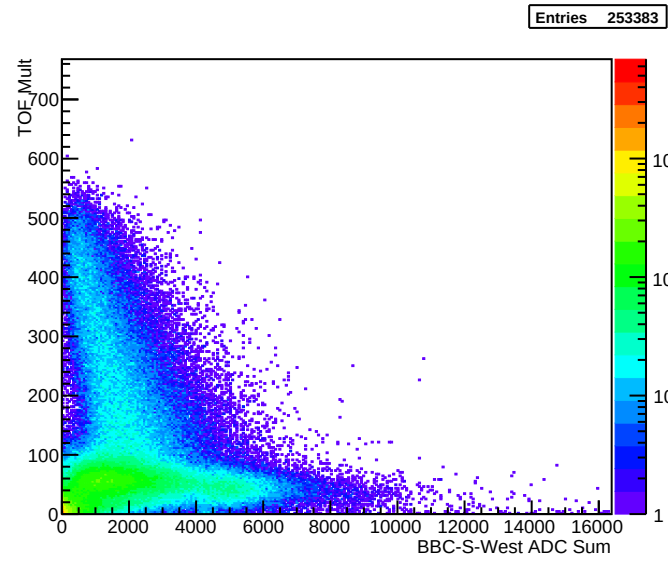

VT201 Input Ch4: VPD Tac Diff
Entries 253383
Tac

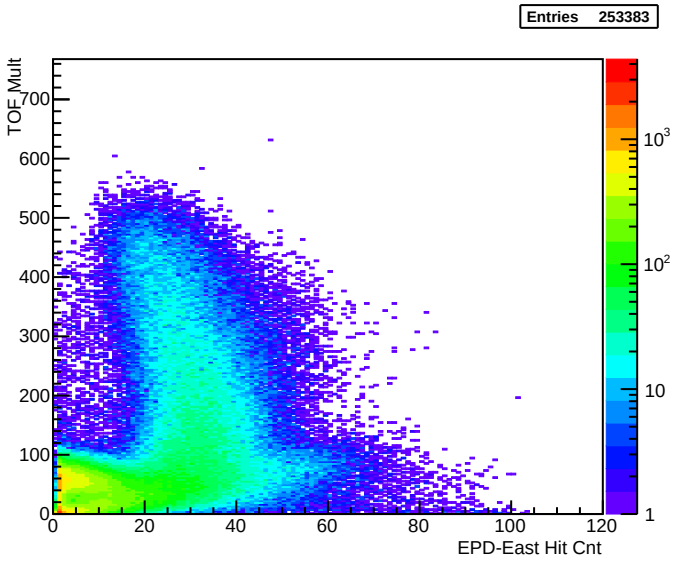

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

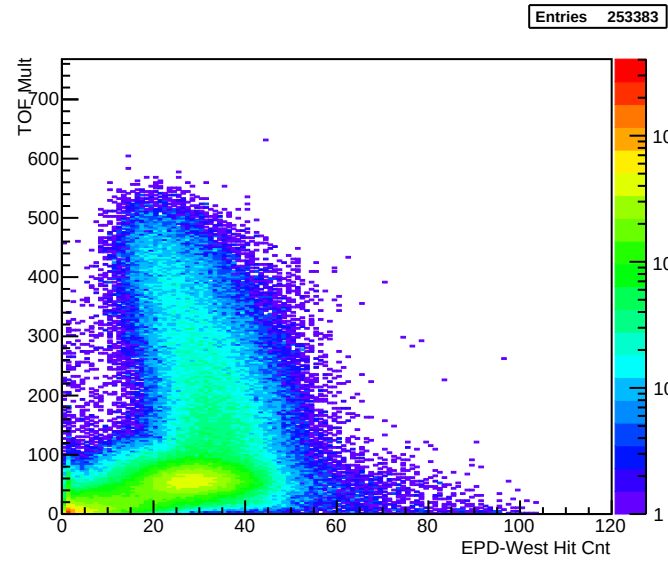

VT201 Input Ch4: VPD Adc Sum Th
Entries 506766
138575
209384
114808
43999
East
West

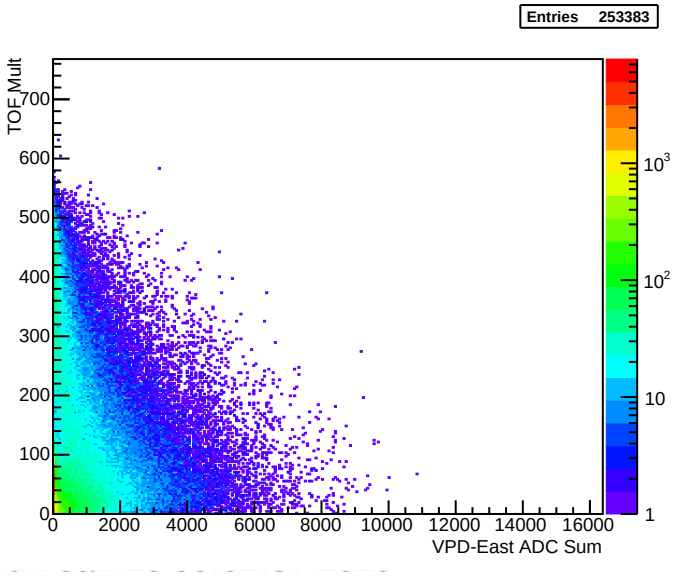

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

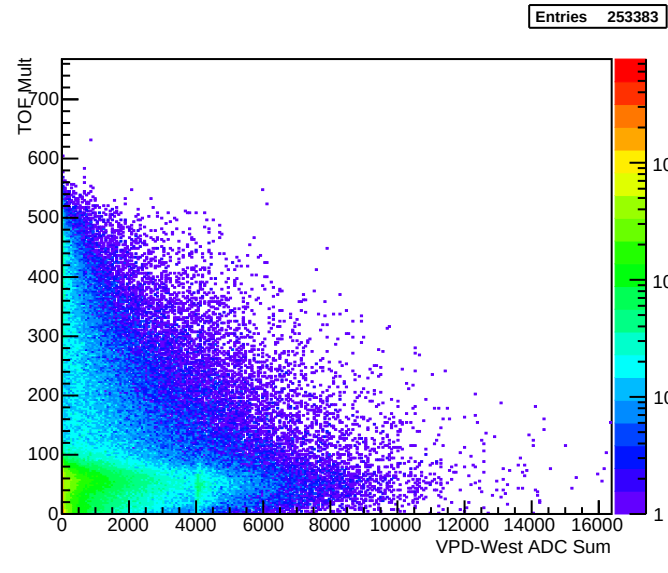

Entries 253383
TOF_Mult
BBC-S-East ADC Sum

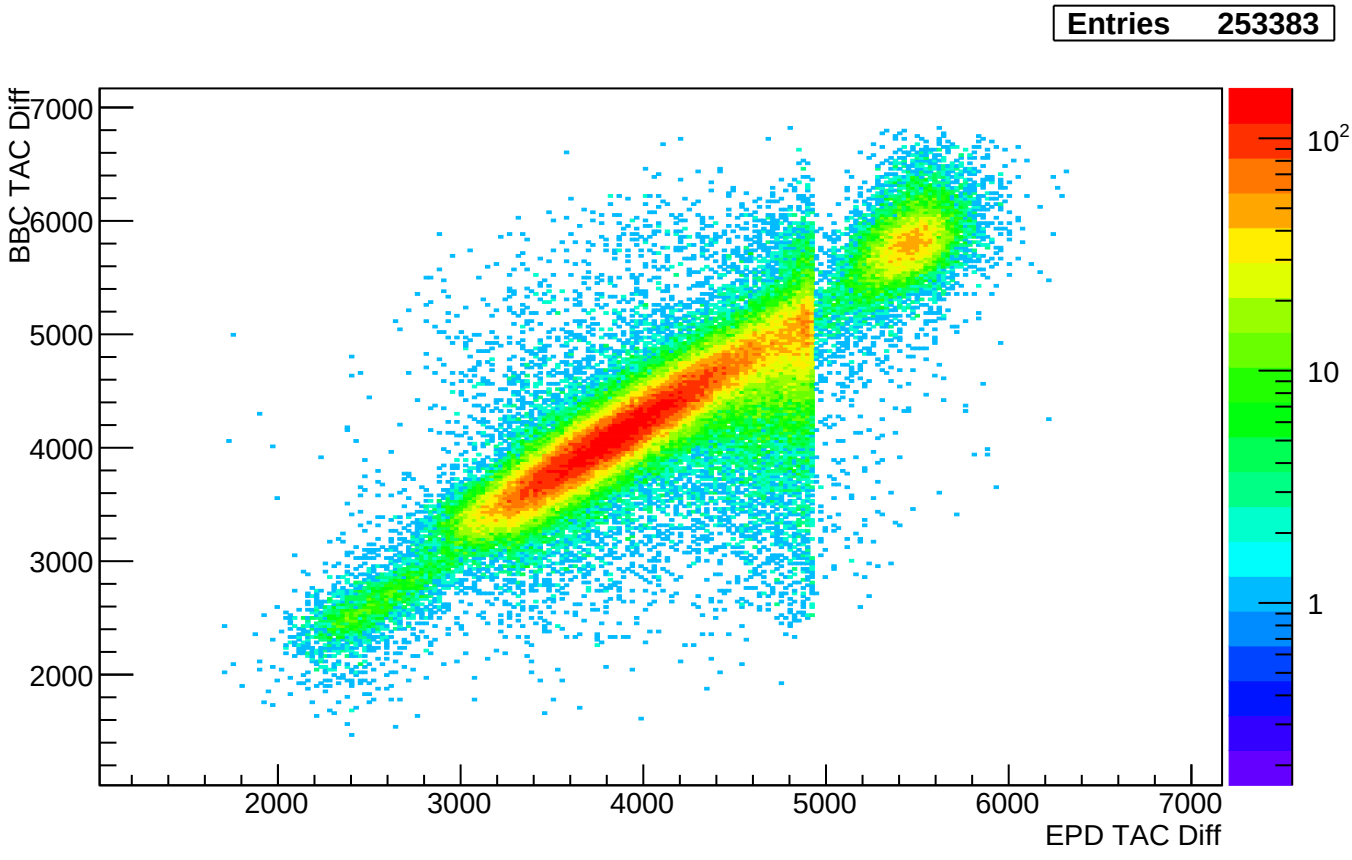

Entries 253383
TOF_Mult
BBC-S-West ADC Sum

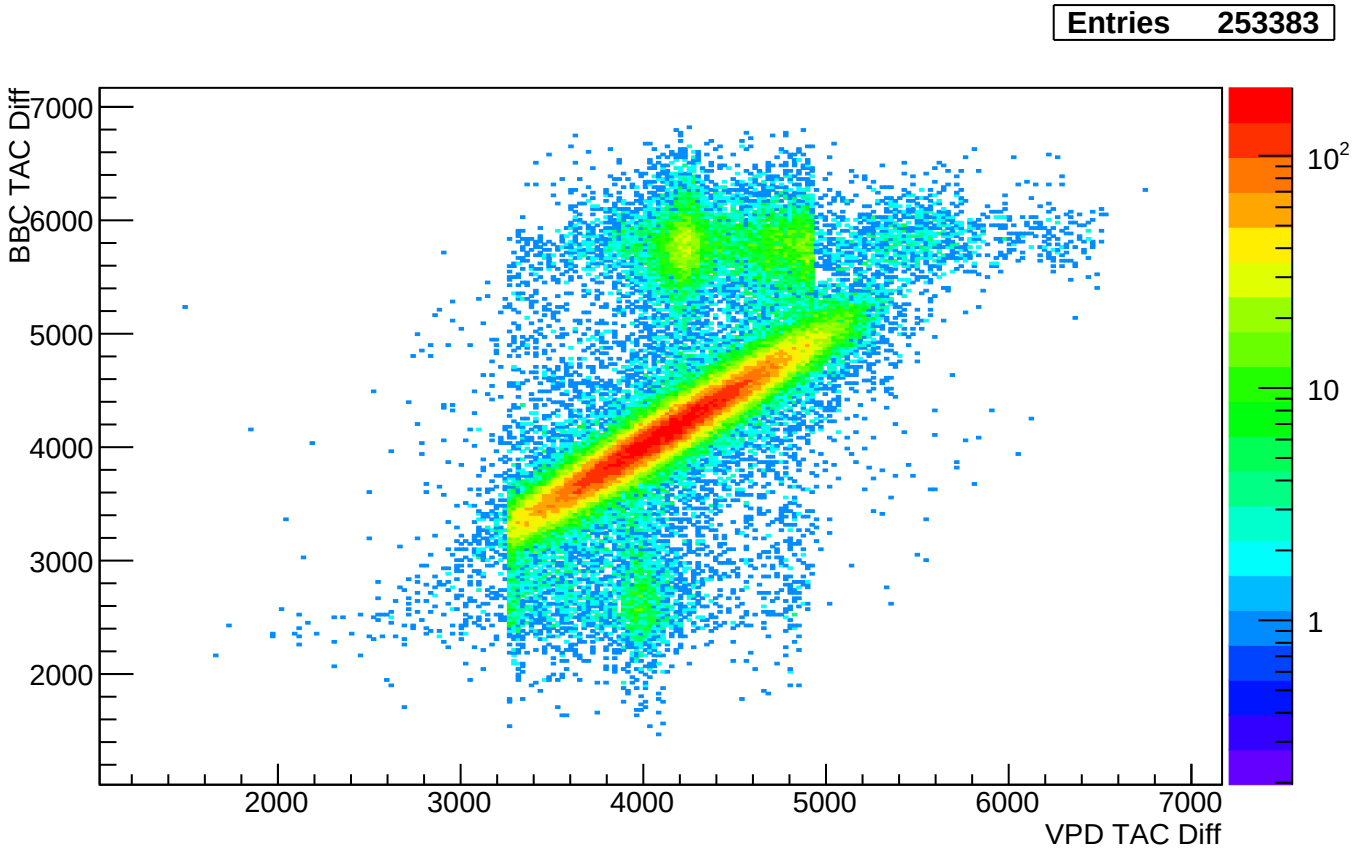

Entries 253383
TOF_Mult
EPD-East Hit Cnt

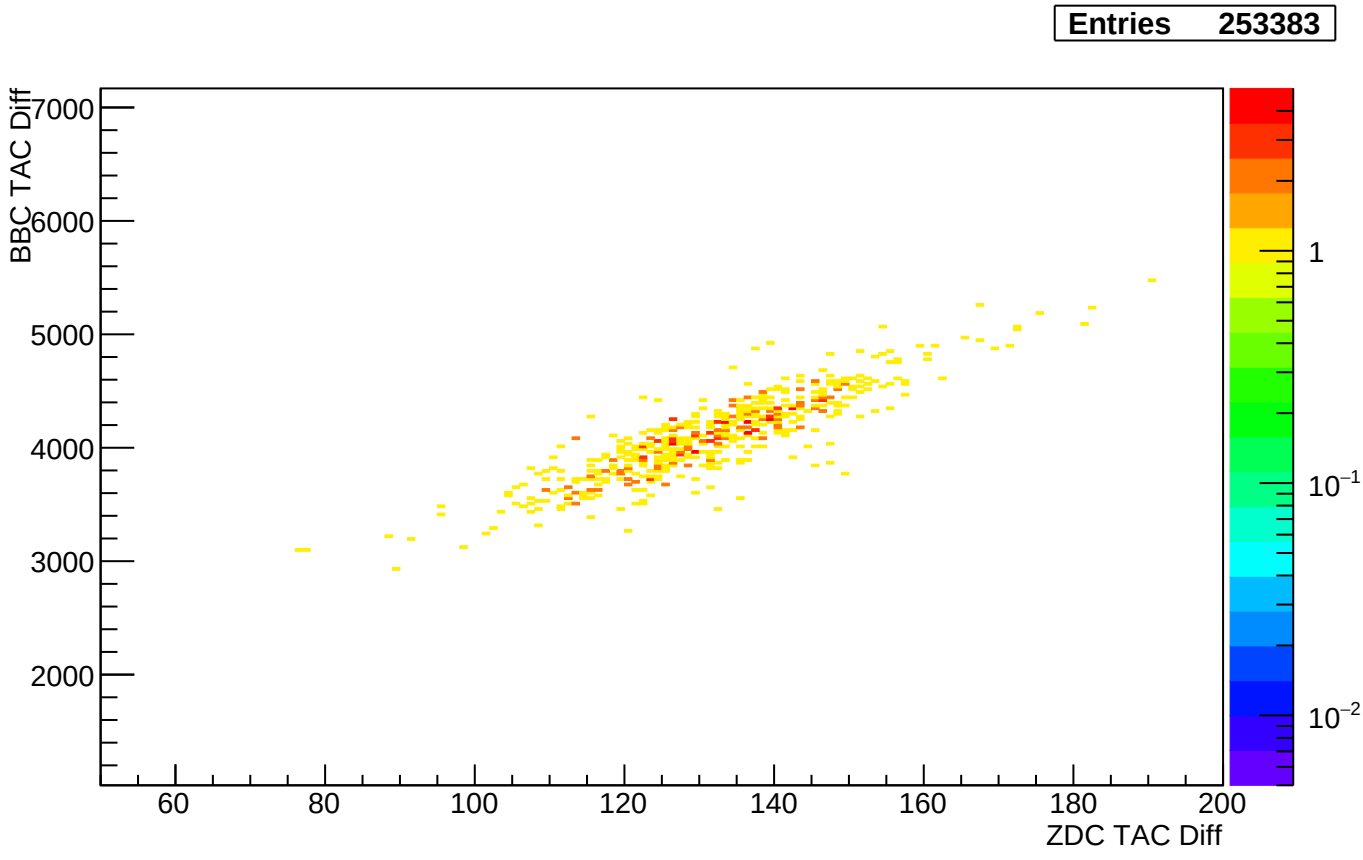

Entries 253383
TOF_Mult
EPD-West Hit Cnt

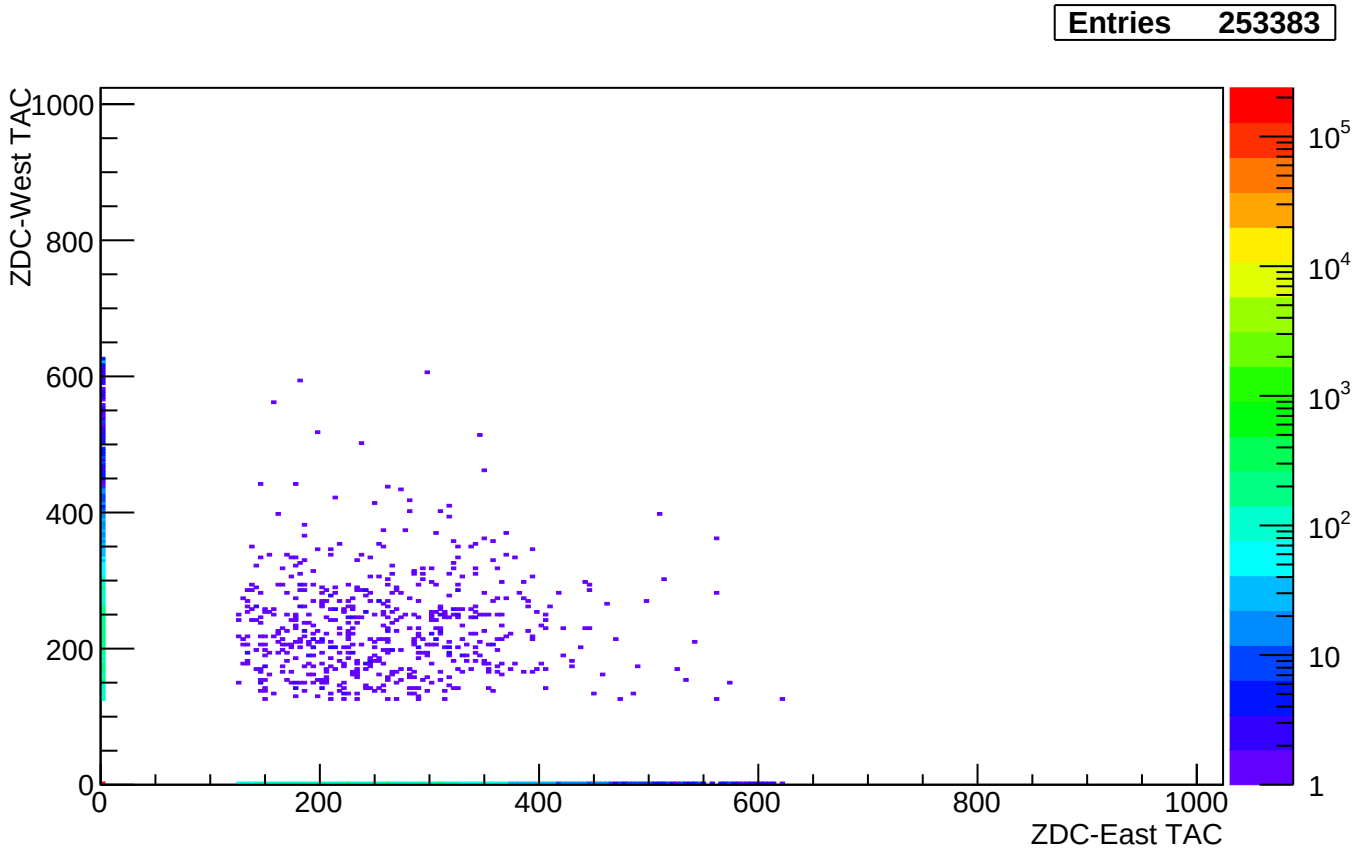

Entries 253383
TOF_Mult
VPD-East ADC Sum

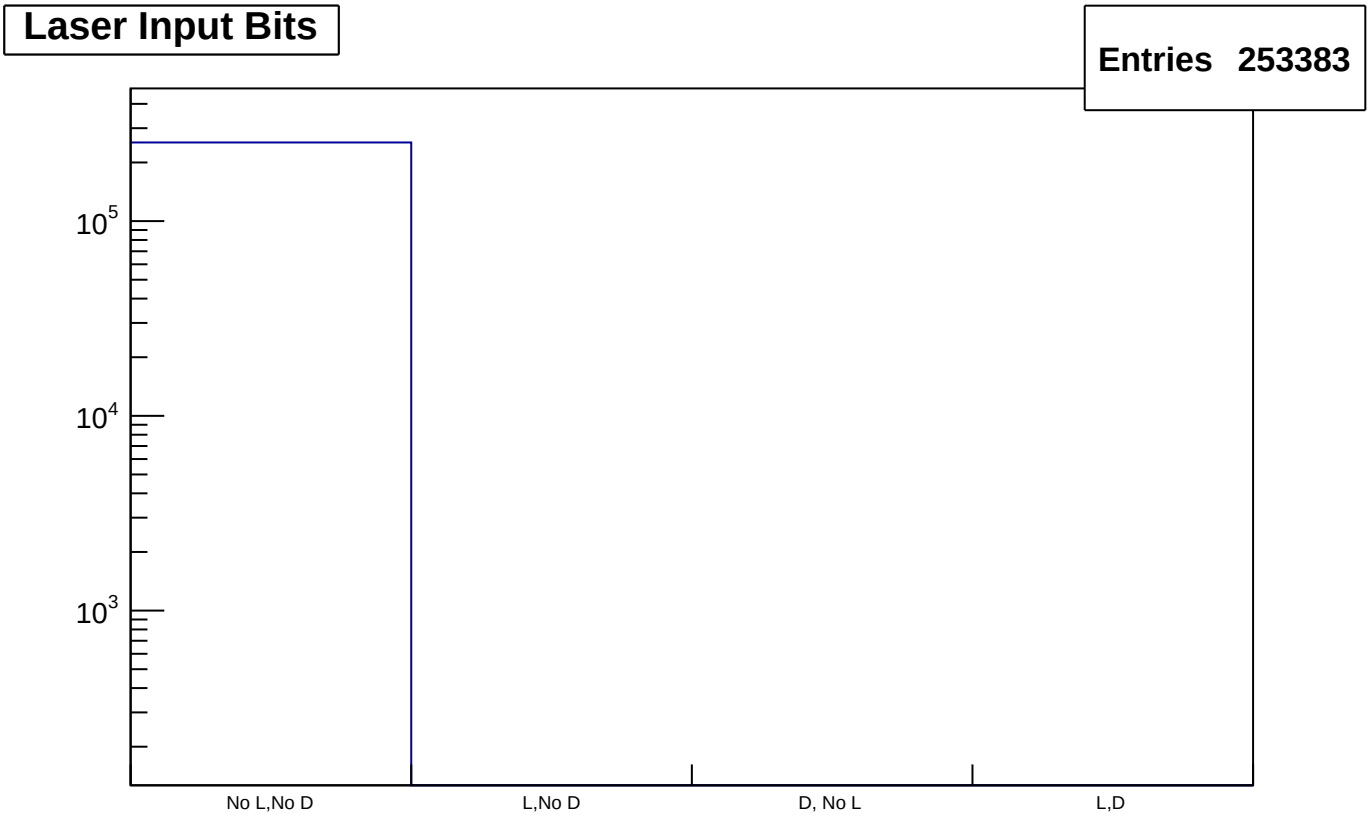

Entries 253383
TOF_Mult
VPD-West ADC Sum

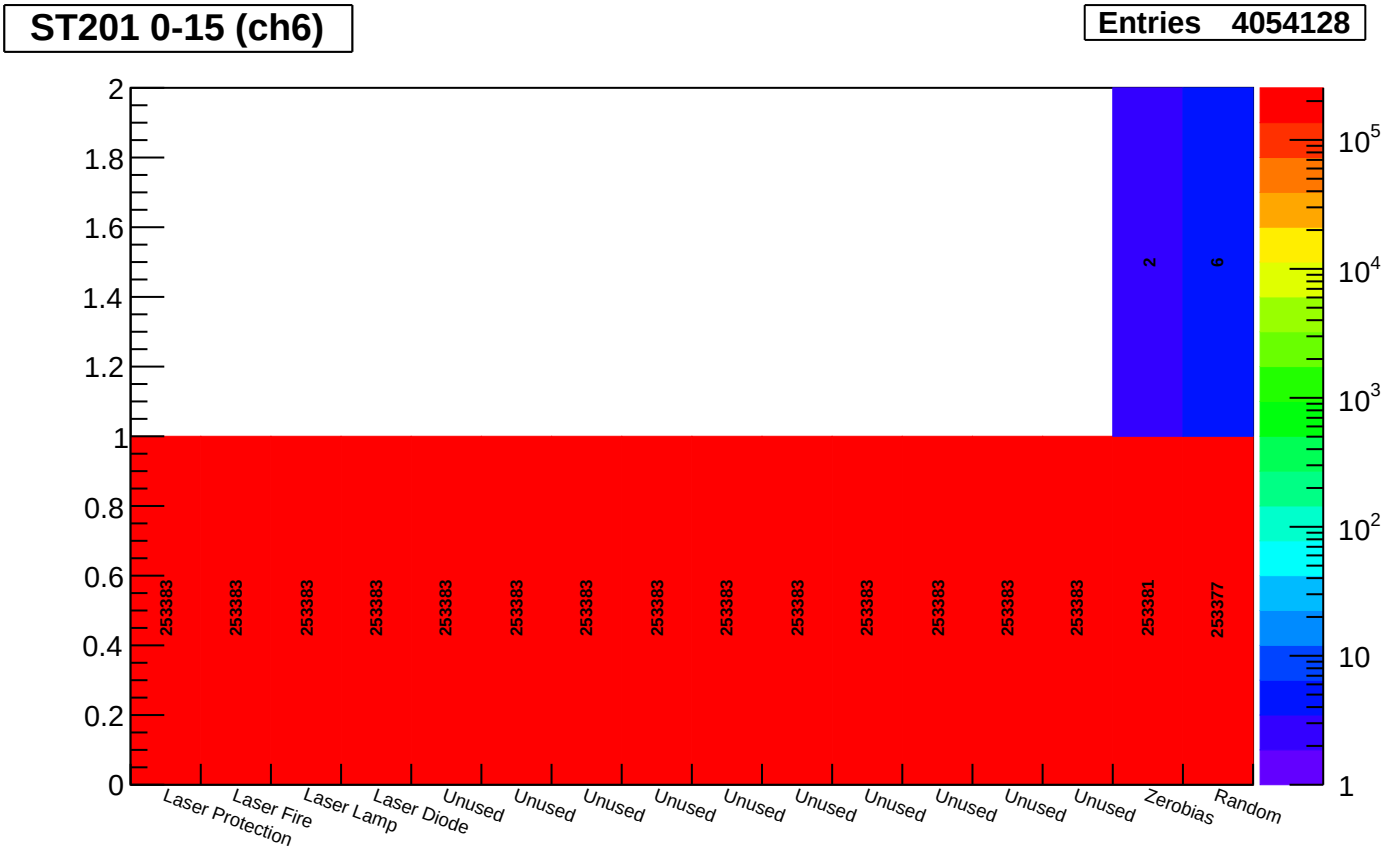

Entries 253383
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

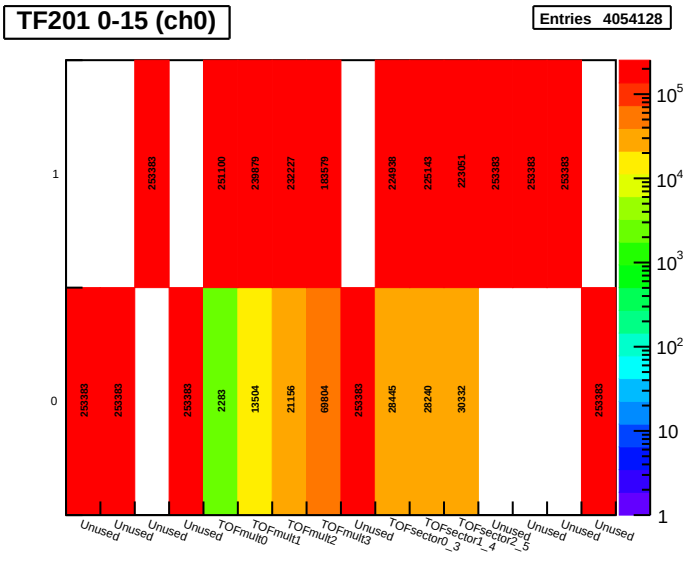

Entries 253383
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

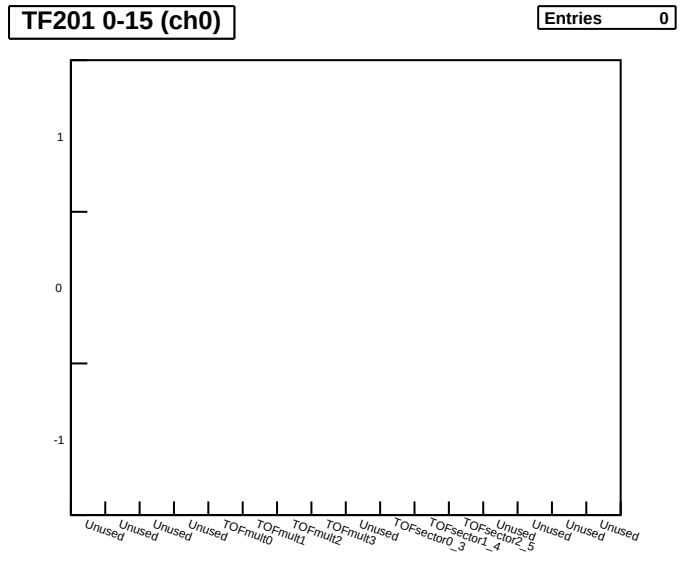

Entries 253383
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

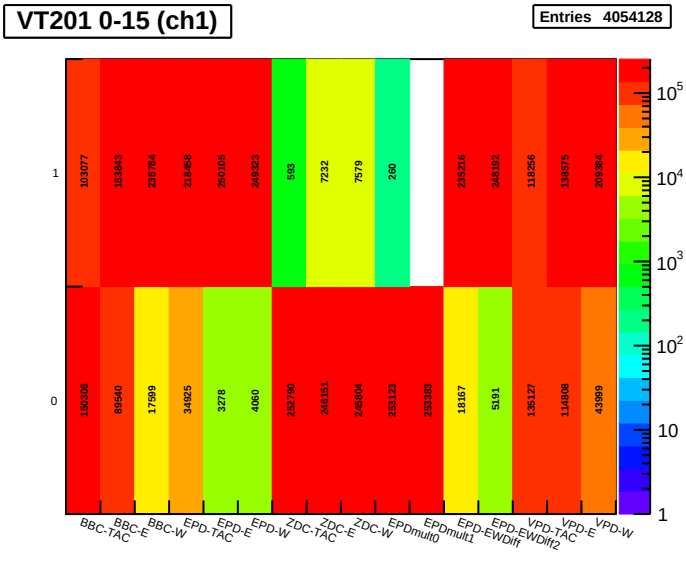

Entries 253383
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

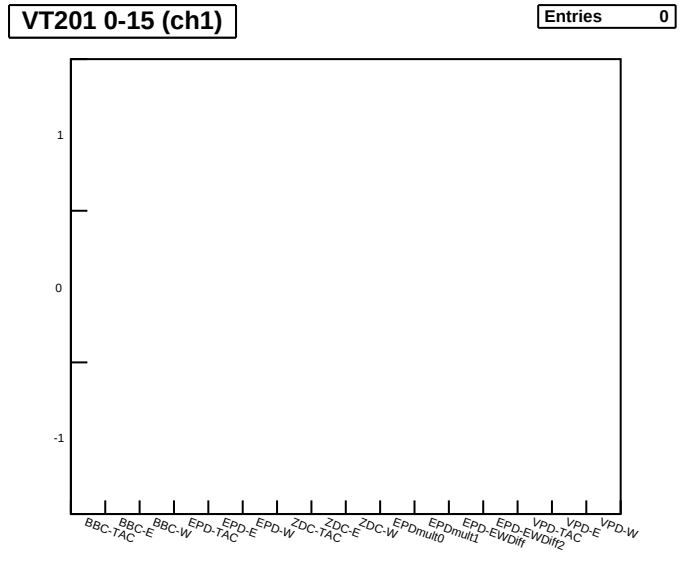

Laser Input Bits
Entries 253383
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

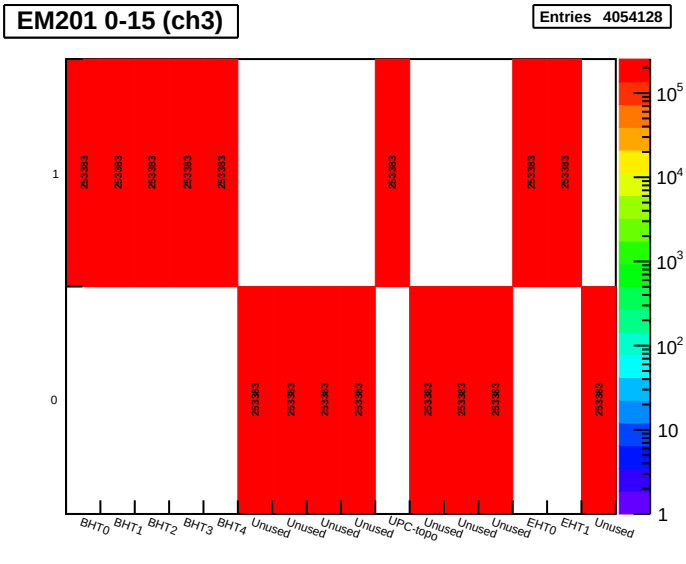

ST201 0-15 (ch6)
Entries 4054128
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
253383
253383
253383
253383
253383
253383
253383
253383
253383
253383
253383
253383
253383
253383
253381
253377
2
6
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

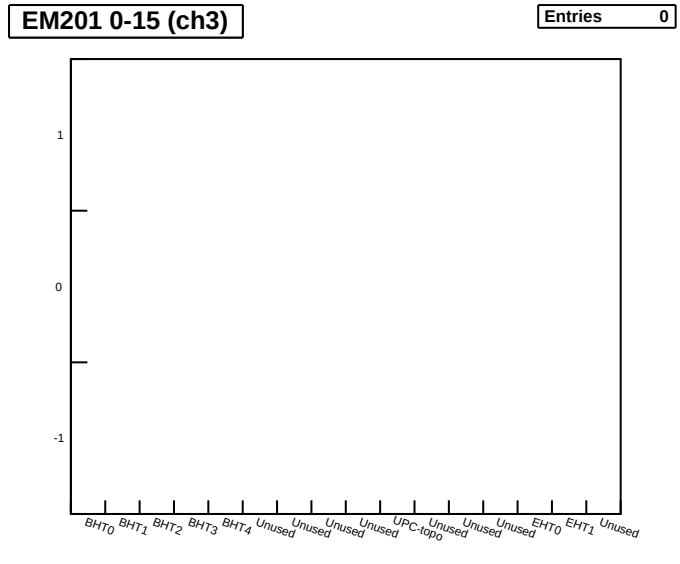

TF201 0-15 (ch0)
Entries 4054128
1
0
253383 253383 253383 253383 251100 239879 232227 183579 224938 225143 223651 253383 253383 253383
253383 253383 253383 2283 13504 21156 69804 253383 28445 29240 30332 253383
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 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 4054128
1
0
103077 163843 235784 218458 250105 249323 593 7232 7579 260 235216 248192 118256 138575 209384
150306 89540 17599 34925 3278 4060 252790 246151 245804 253123 253383 18167 5191 135127 114808 43999
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 4054128
1
0
253383 253383 253383 253383 253383 253383 253383 253383
253383 253383 253383 253383 253383 253383 253383 253383
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