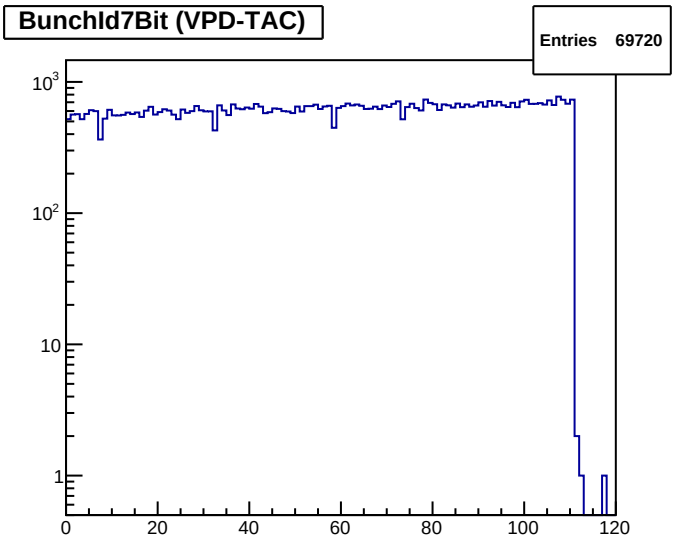
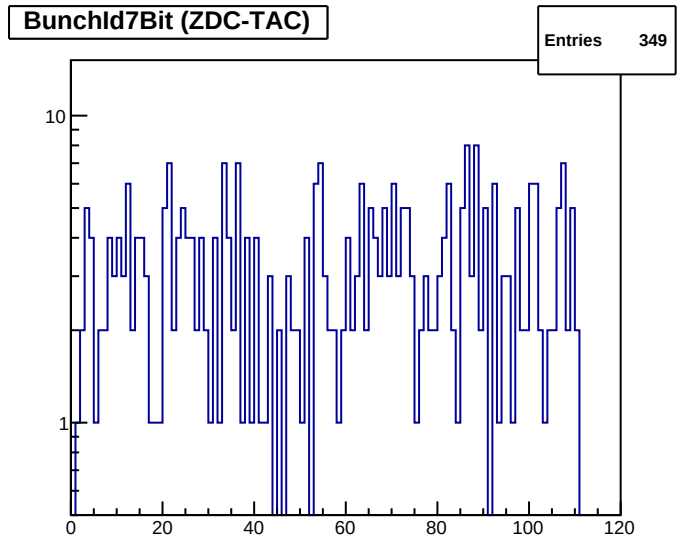
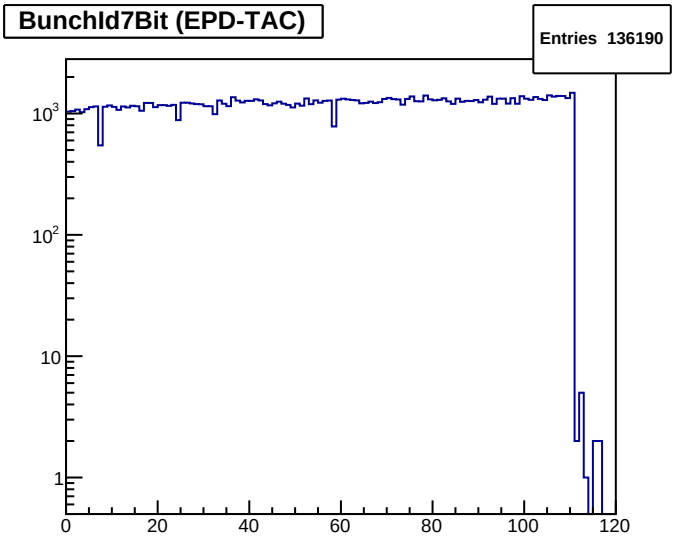
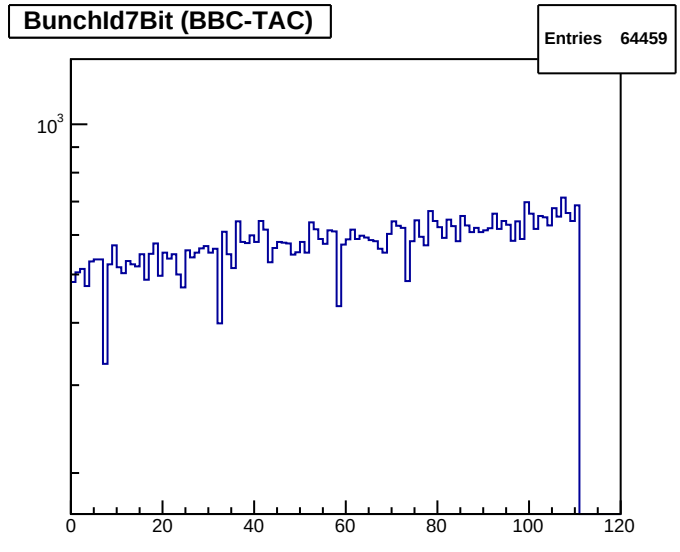
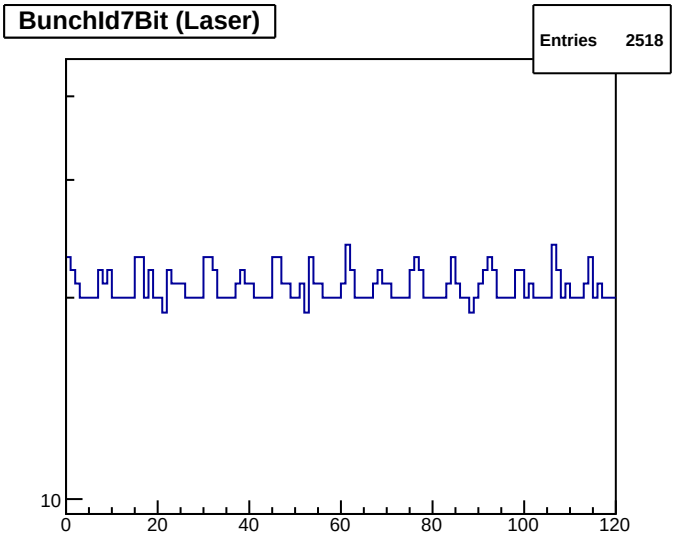
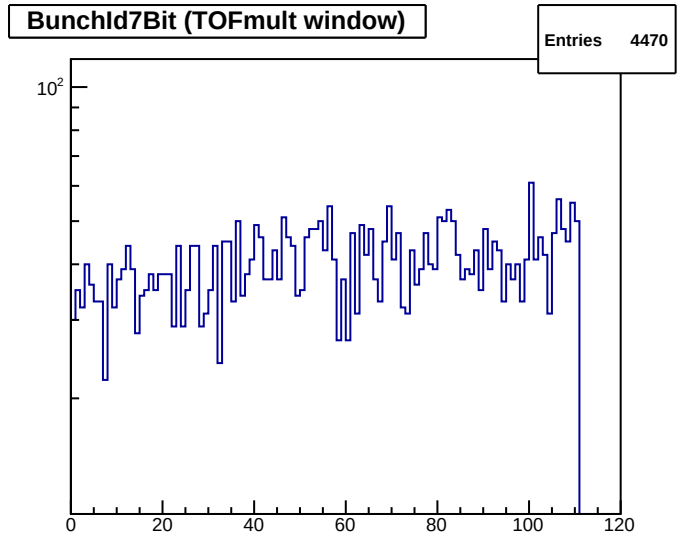

BunchId7Bit (VPD-TAC)
Entries 69720
10^3
10^2
10
1
0
20
40
60
80
100
120

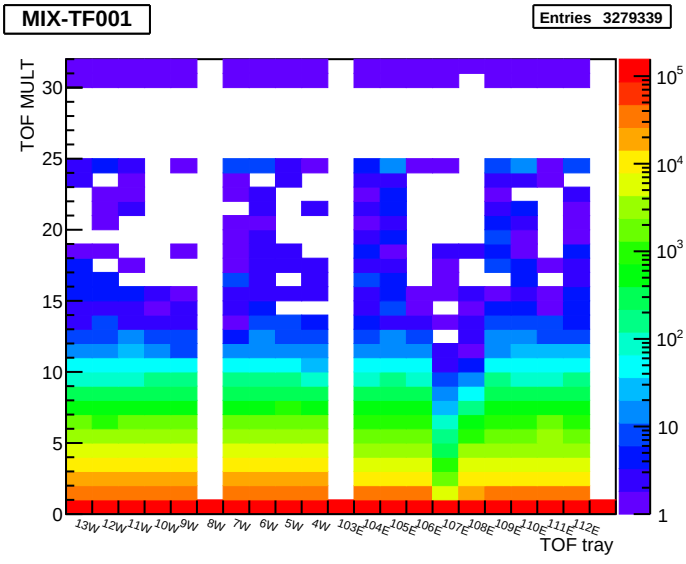

BunchId7Bit (ZDC-TAC)
Entries 349
10
1
0
20
40
60
80
100
120

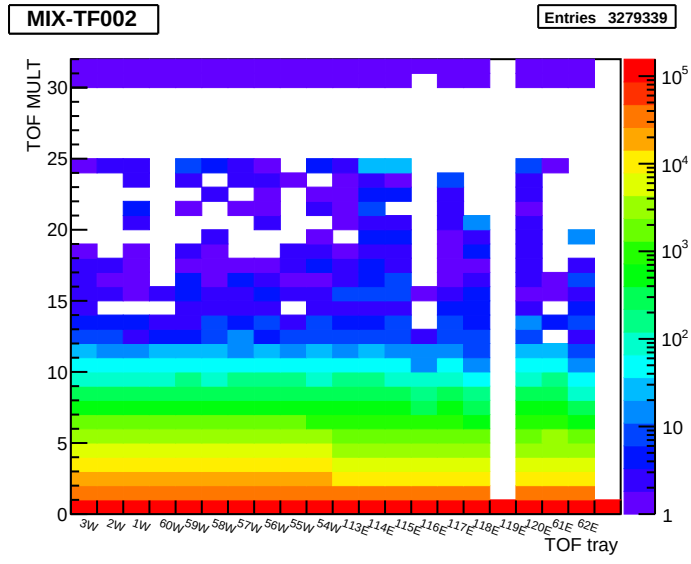

BunchId7Bit (EPD-TAC)
Entries 136190
10^3
10^2
10
1
0
20
40
60
80
100
120

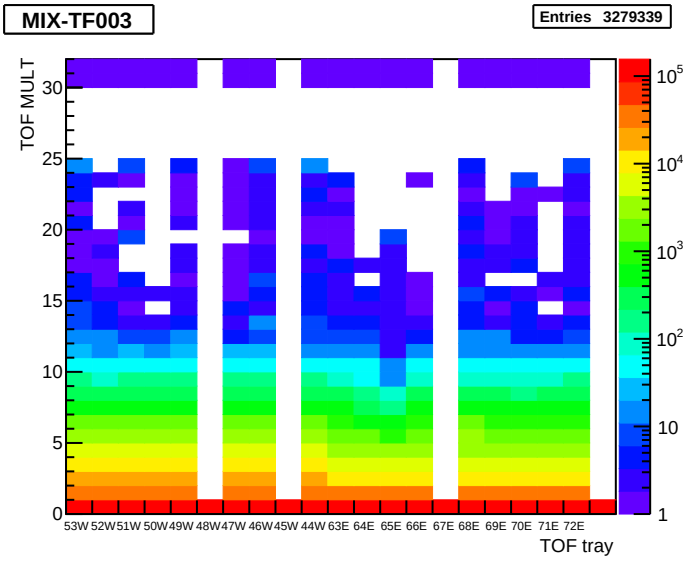

BunchId7Bit (BBC-TAC)
Entries 64459
10^3
0
20
40
60
80
100
120

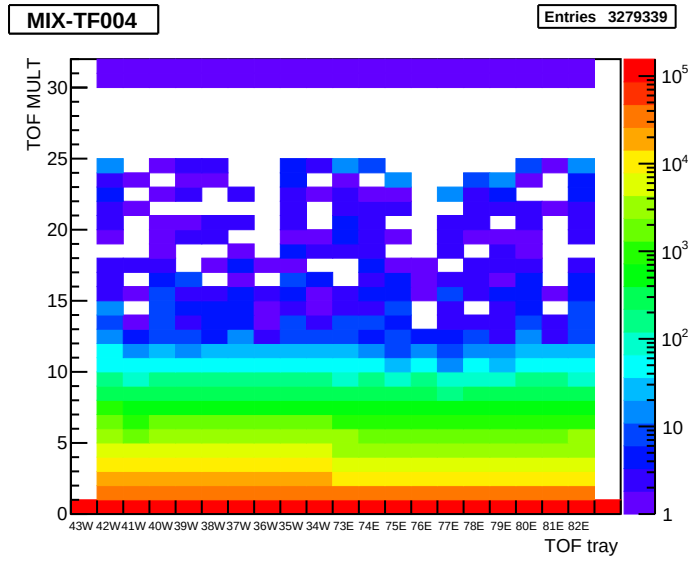

BunchId7Bit (Laser)
Entries 2518
10
0
20
40
60
80
100
120

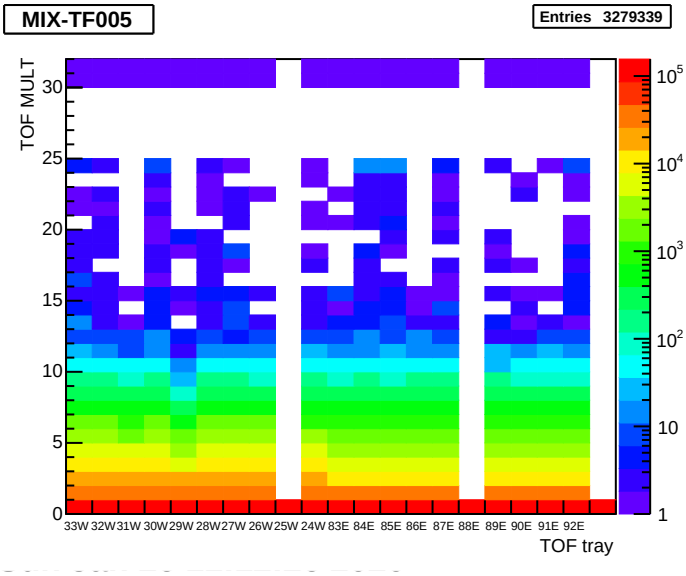

BunchId7Bit (TOFmult window)
Entries 4470
10^2
0
20
40
60
80
100
120

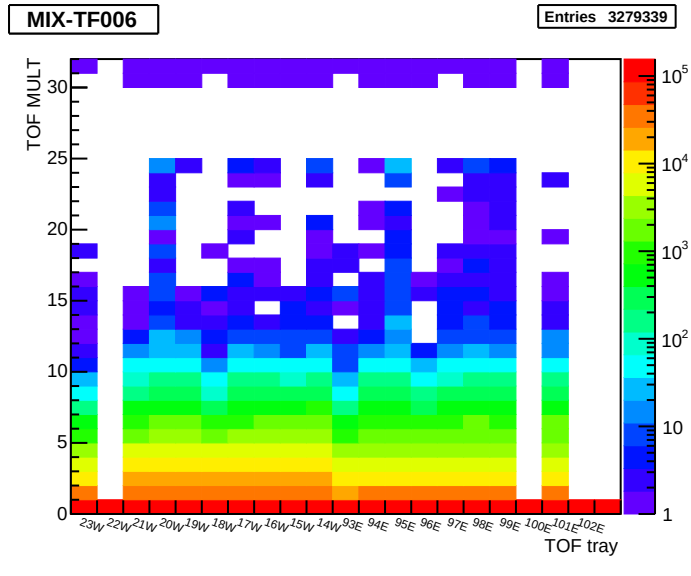

MIX-TF001
Entries 3279339
TOF MULT
TOF tray

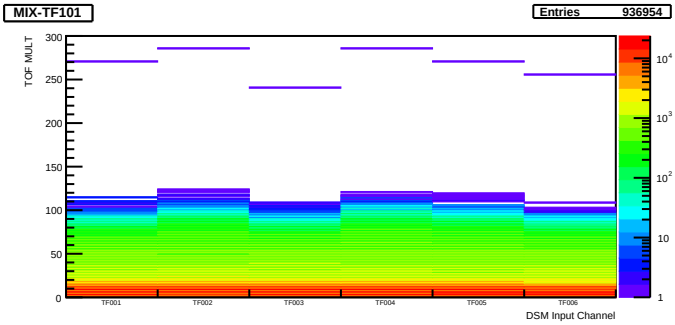

MIX-TF002
Entries 3279339
TOF MULT
TOF tray

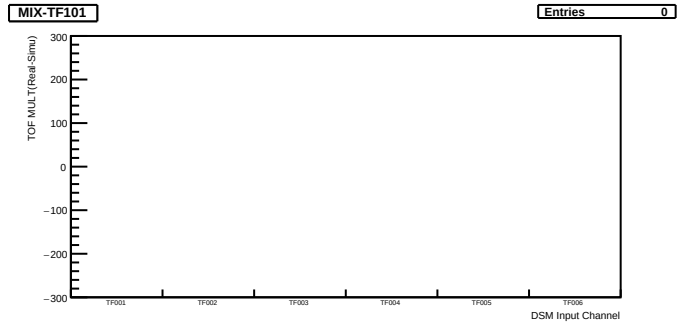

MIX-TF003
Entries 3279339
TOF MULT
TOF tray

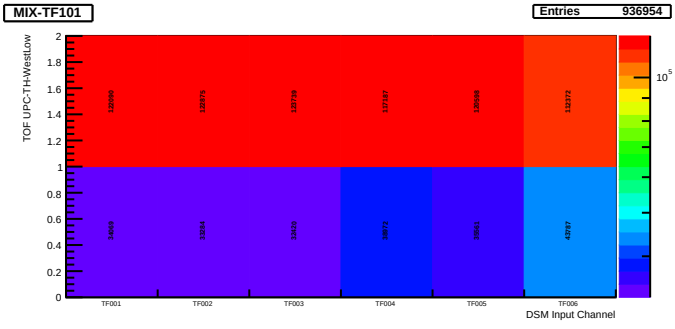

MIX-TF004
Entries 3279339
TOF MULT
TOF tray

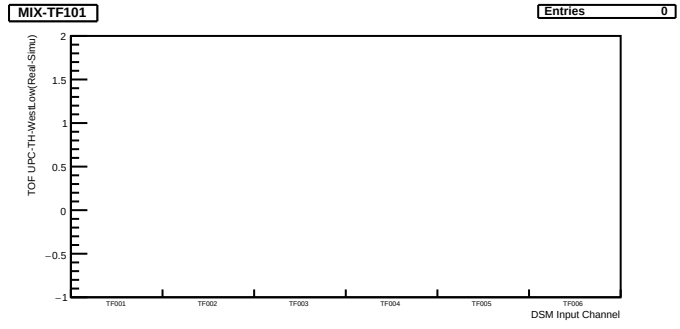

MIX-TF005
Entries 3279339
TOF MULT
TOF tray

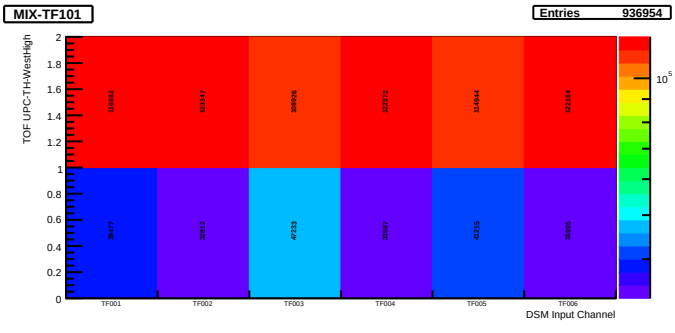

MIX-TF006
Entries 3279339
TOF MULT
TOF tray

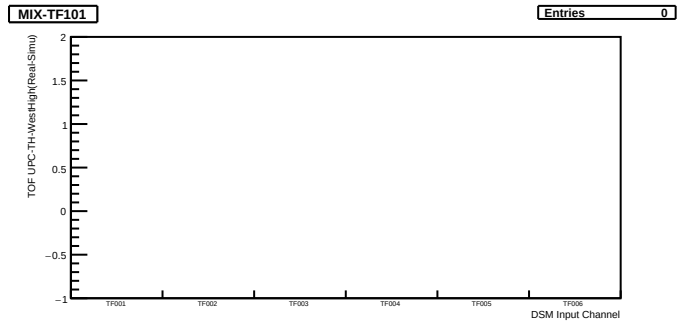

MIX-TF101
Entries 936954
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

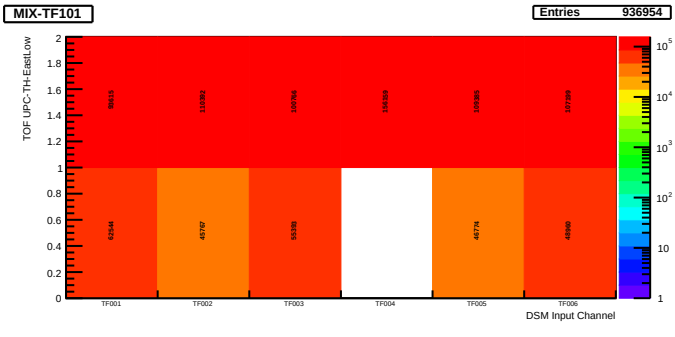

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

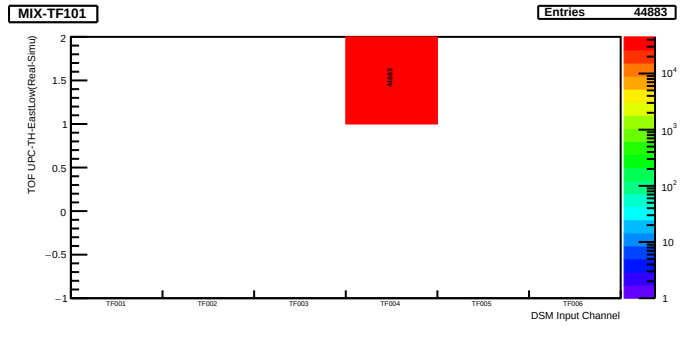

MIX-TF101
Entries 936954
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

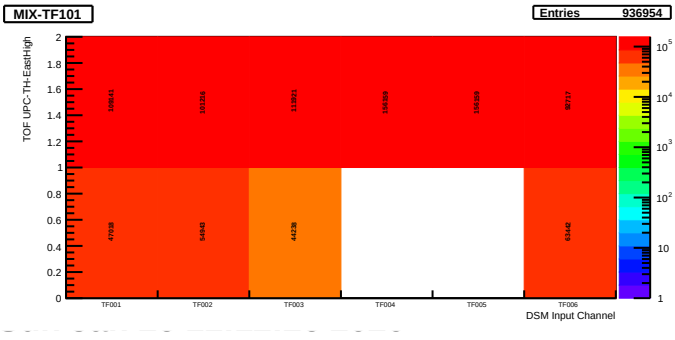

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

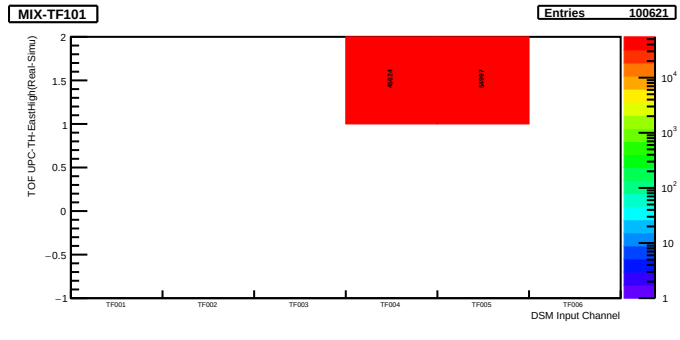

MIX-TF101
Entries 936954
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

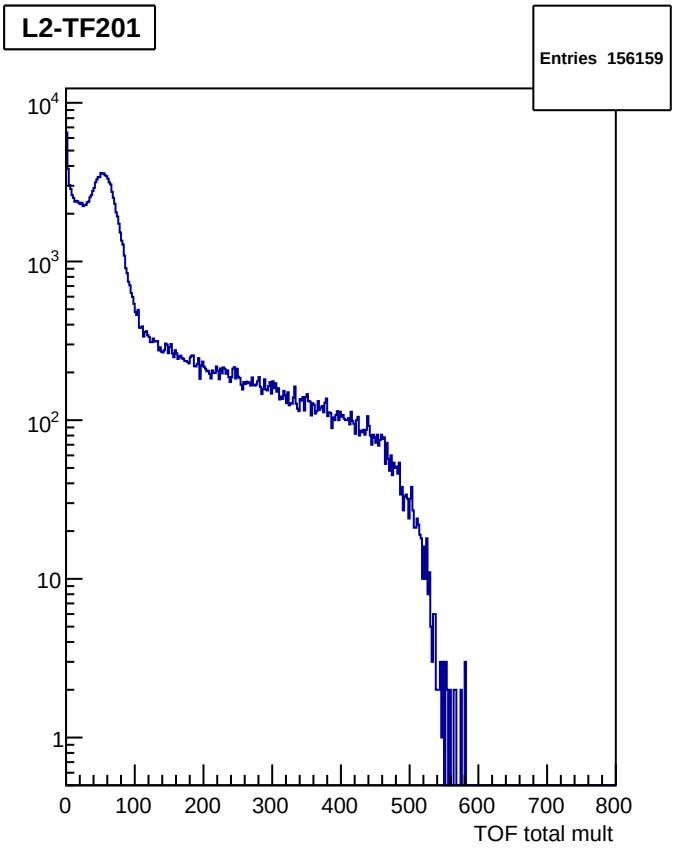

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

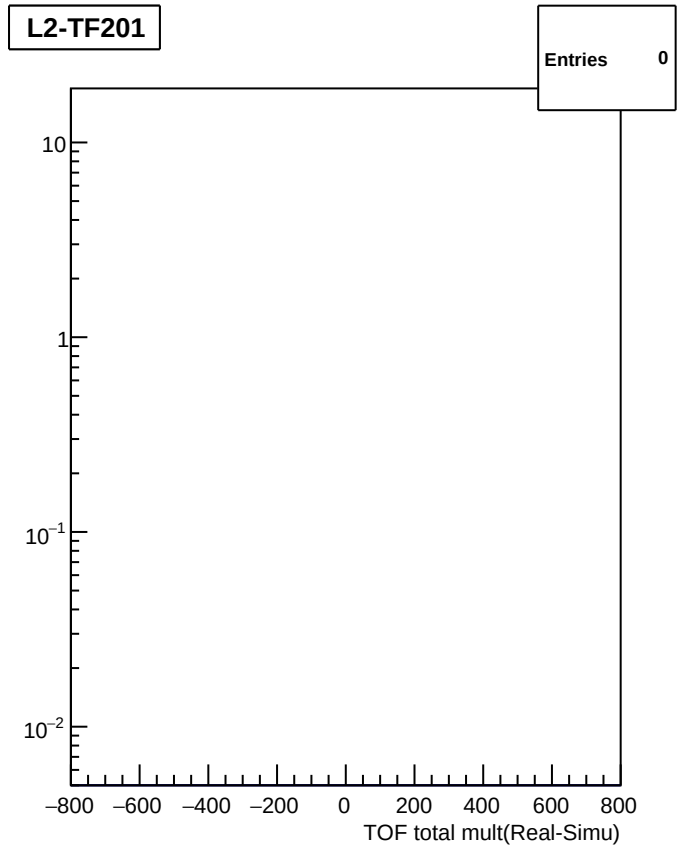

MIX-TF101
Entries 936954
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

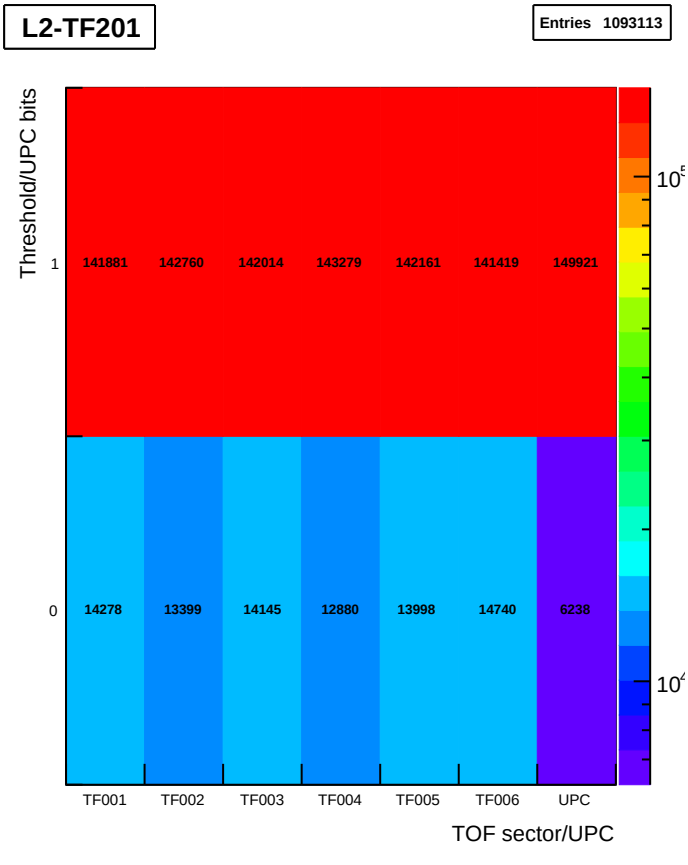

MIX-TF101
Entries 44883
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

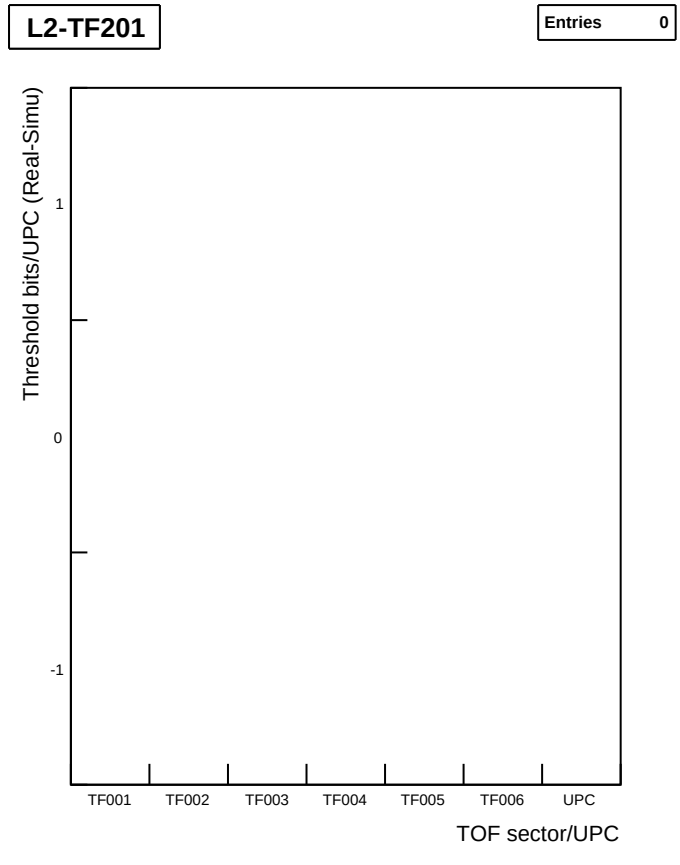

MIX-TF101
Entries 936954
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

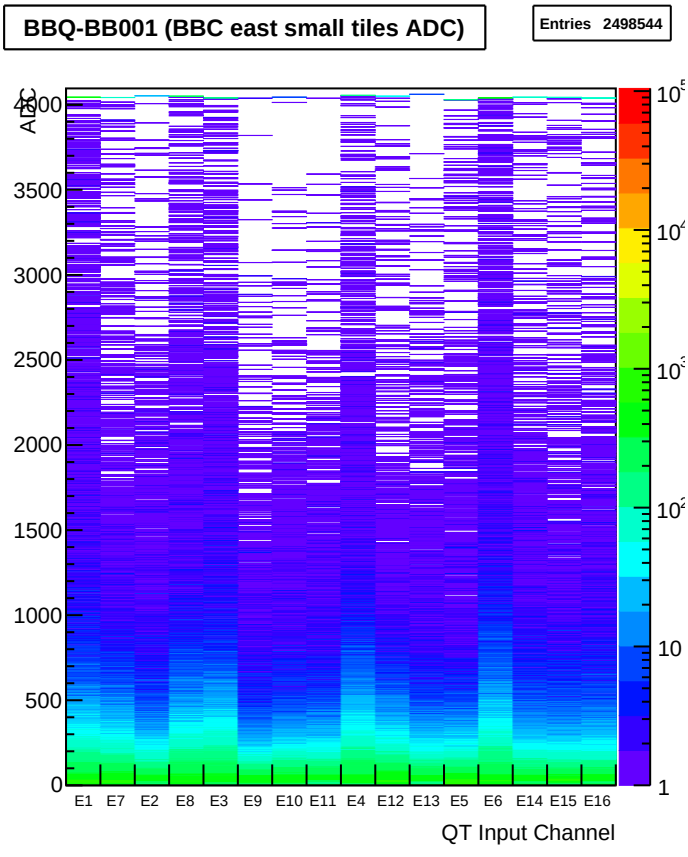

MIX-TF101
Entries 100621
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

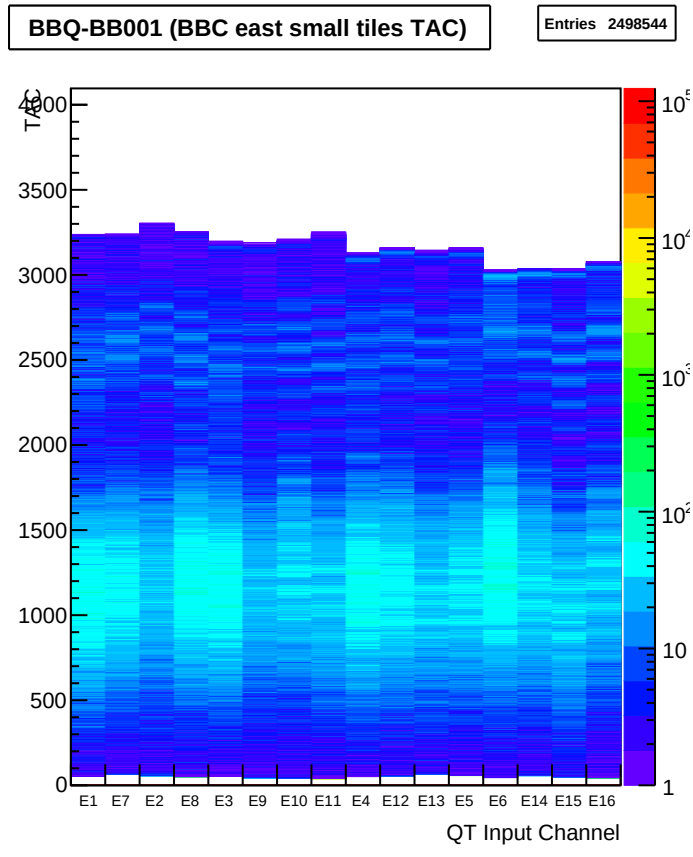

L2-TF201
Entries 156159
TOF total mult

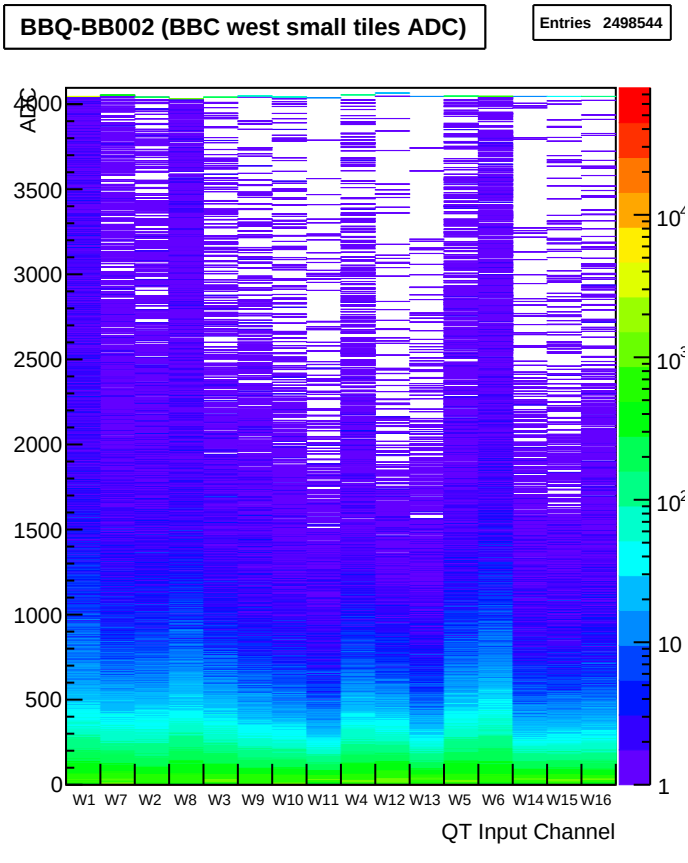

L2-TF201
Entries 0
TOF total mult(Real-Simu)

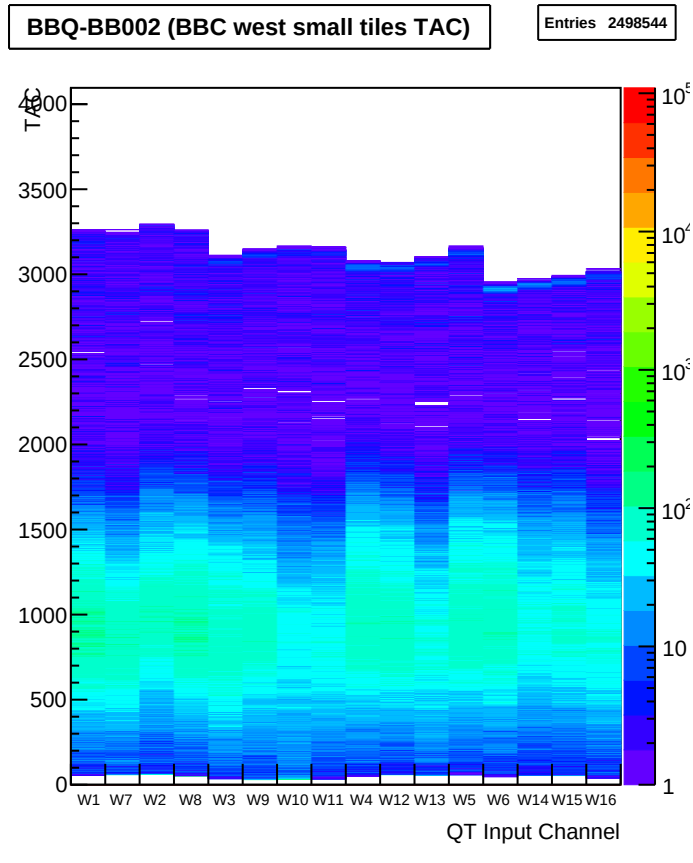

L2-TF201
Entries 1093113
Threshold/UPC bits
141881
142760
142014
143279
142161
141419
149921
14278
13399
14145
12880
13998
14740
6238
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

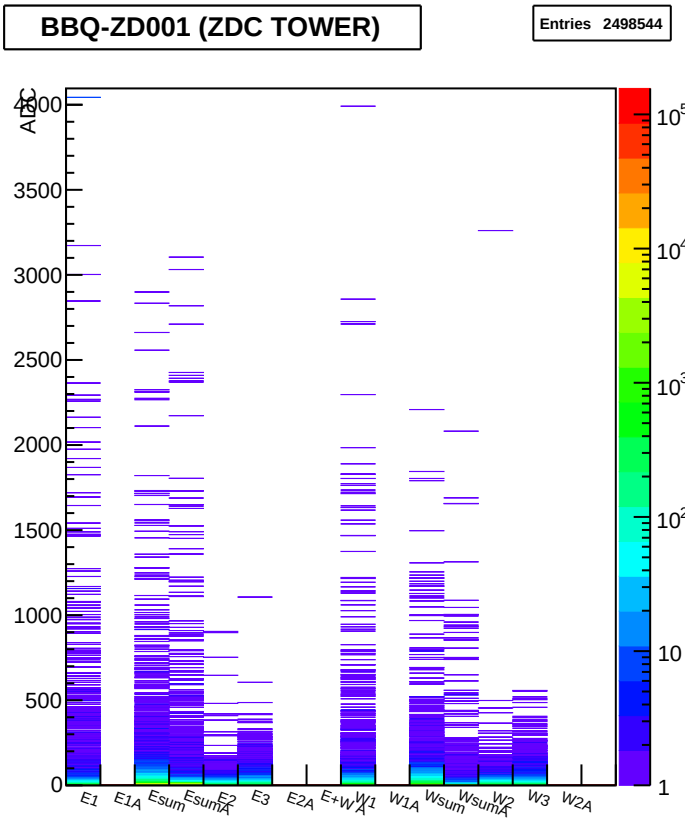

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

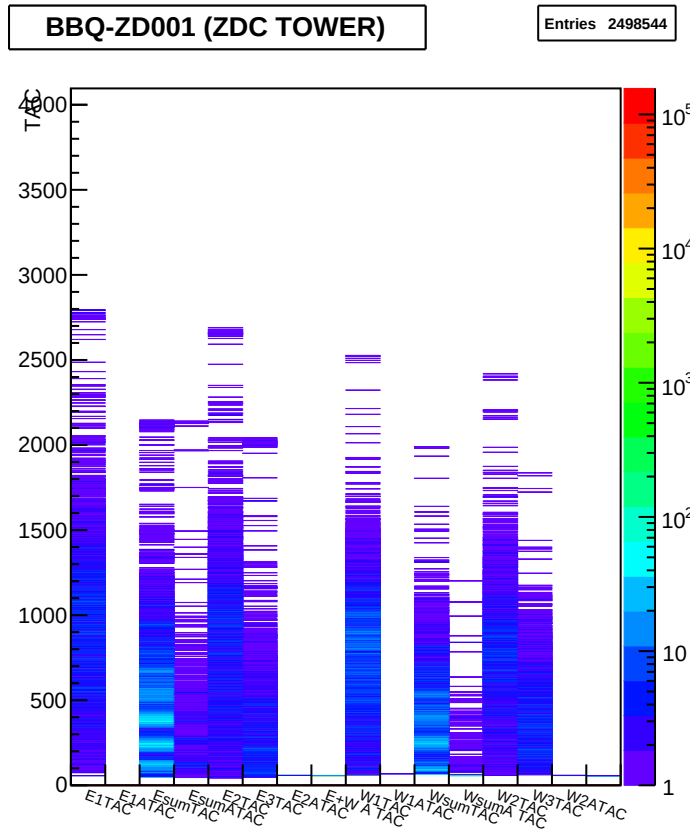

BBQ-BB001 (BBC east small tiles ADC)
Entries 2498544
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

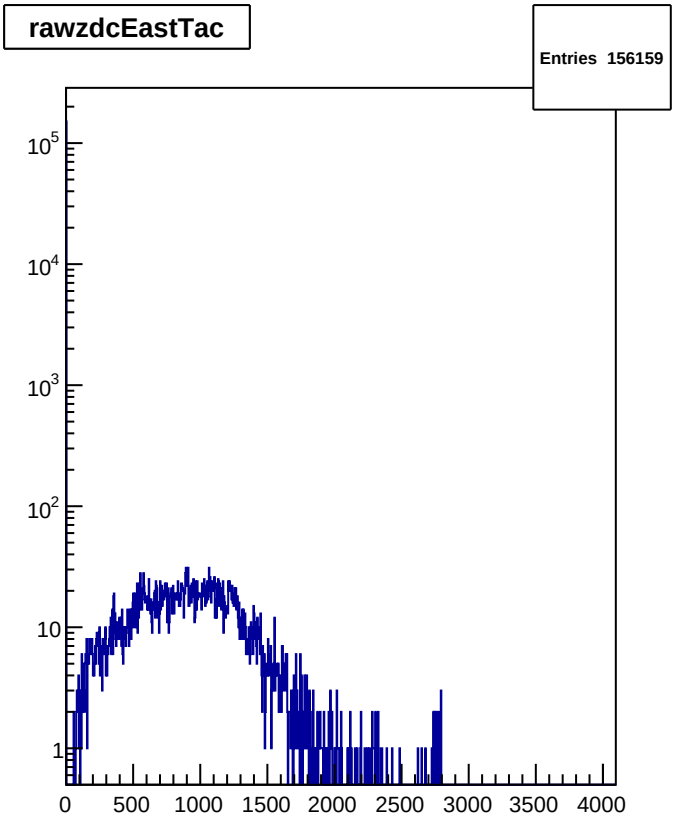

BBQ-BB001 (BBC east small tiles TAC)
Entries 2498544
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

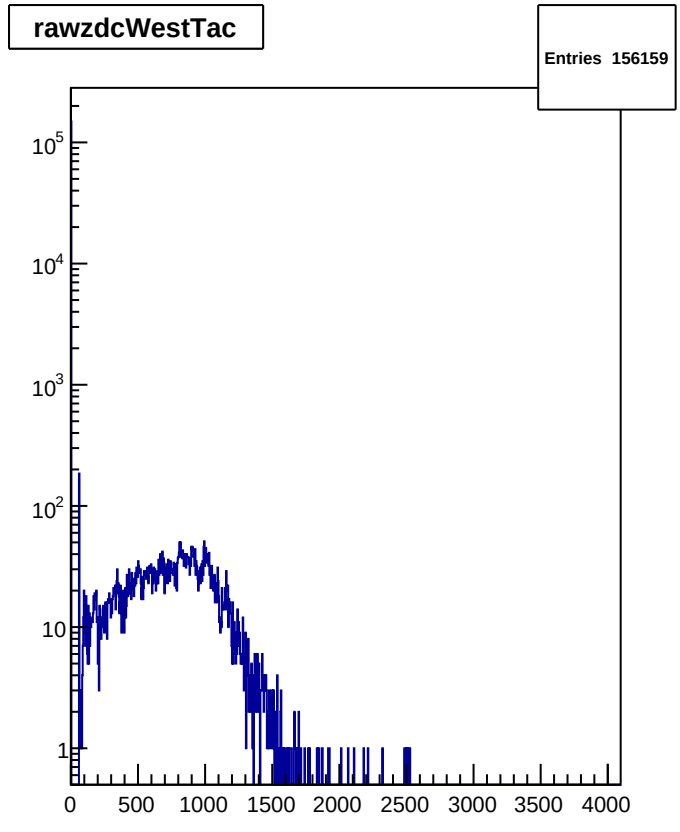

BBQ-BB002 (BBC west small tiles ADC)
Entries 2498544
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

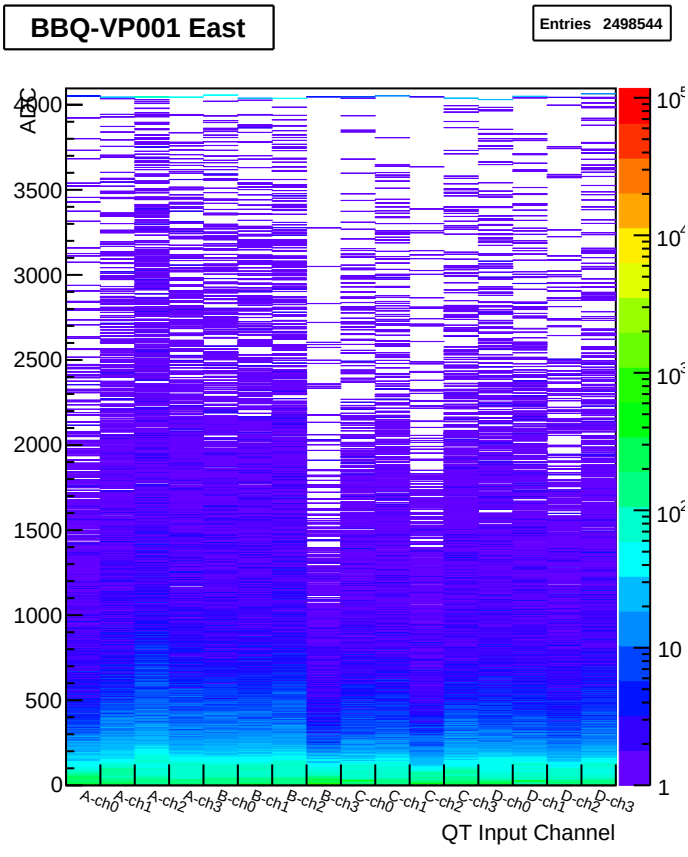

BBQ-BB002 (BBC west small tiles TAC)
Entries 2498544
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

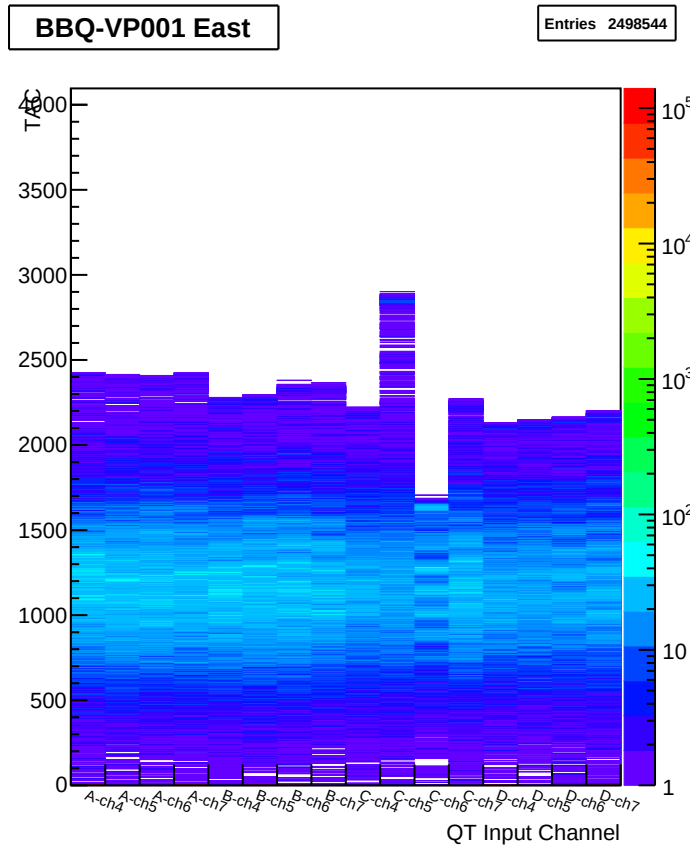

BBQ-ZD001 (ZDC TOWER)
Entries 2498544
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W A
W1
W1A
Wsum
WsumA
W2
W3
W2A

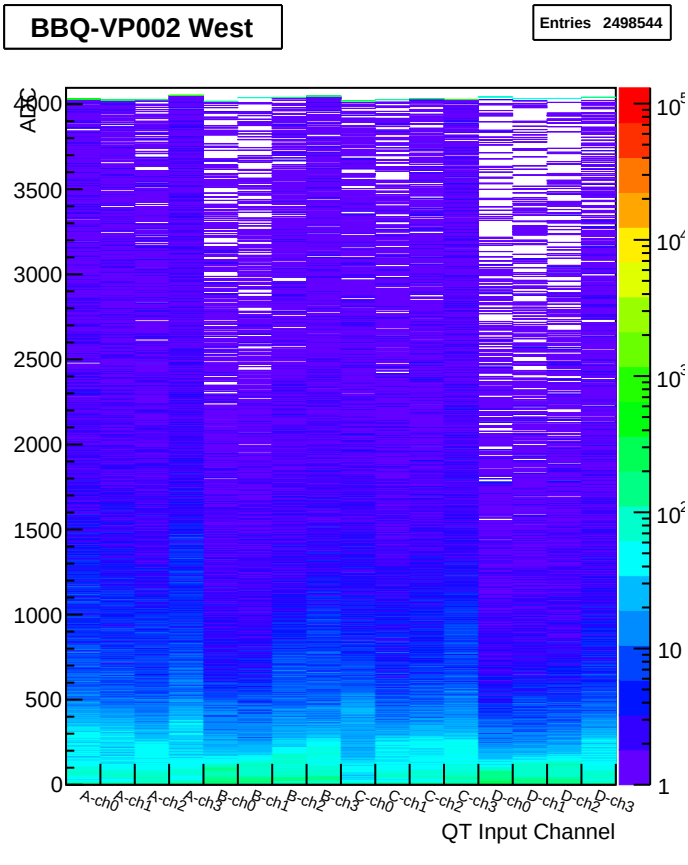

BBQ-ZD001 (ZDC TOWER)
Entries 2498544
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

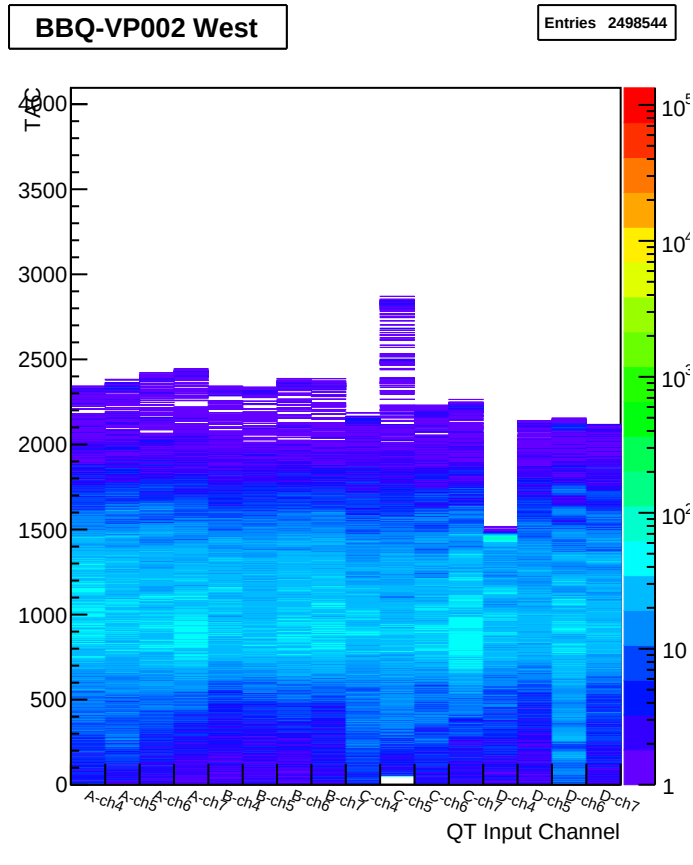

rawzdcEastTac
Entries 156159

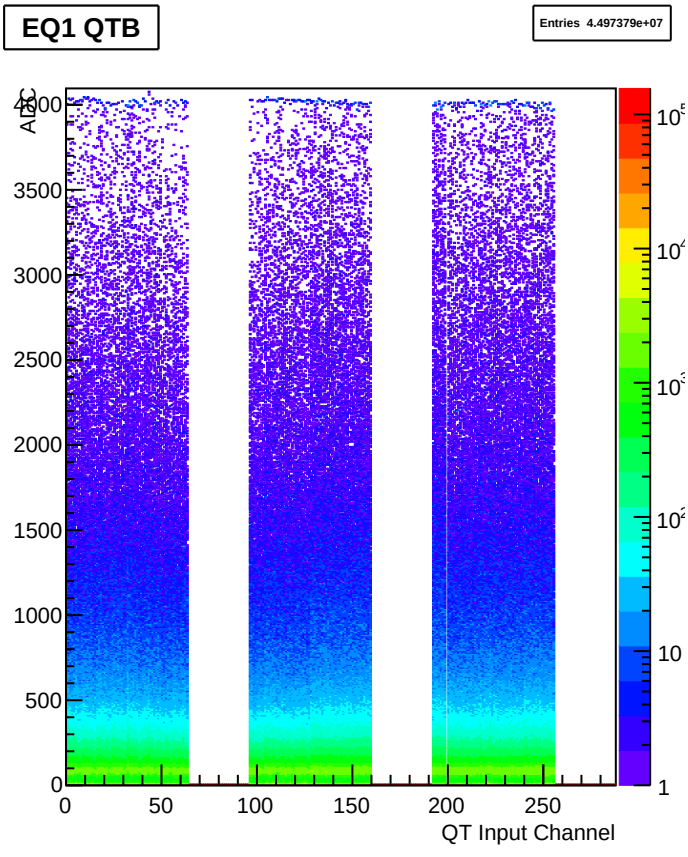

rawzdcWestTac
Entries 156159

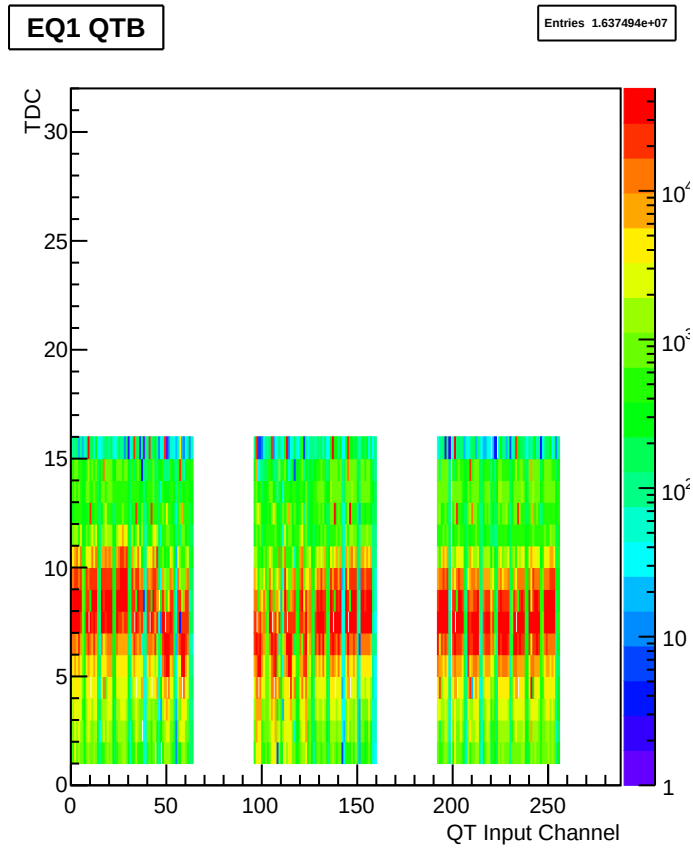

BBQ-VP001 East
Entries 2498544
ADC
QT Input Channel

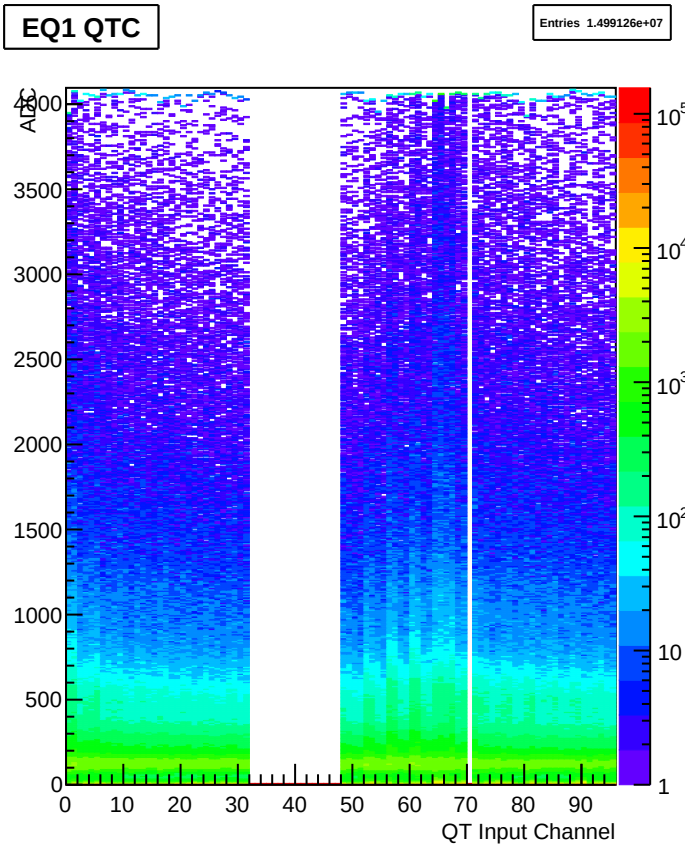

BBQ-VP001 East
Entries 2498544
TAC
QT Input Channel

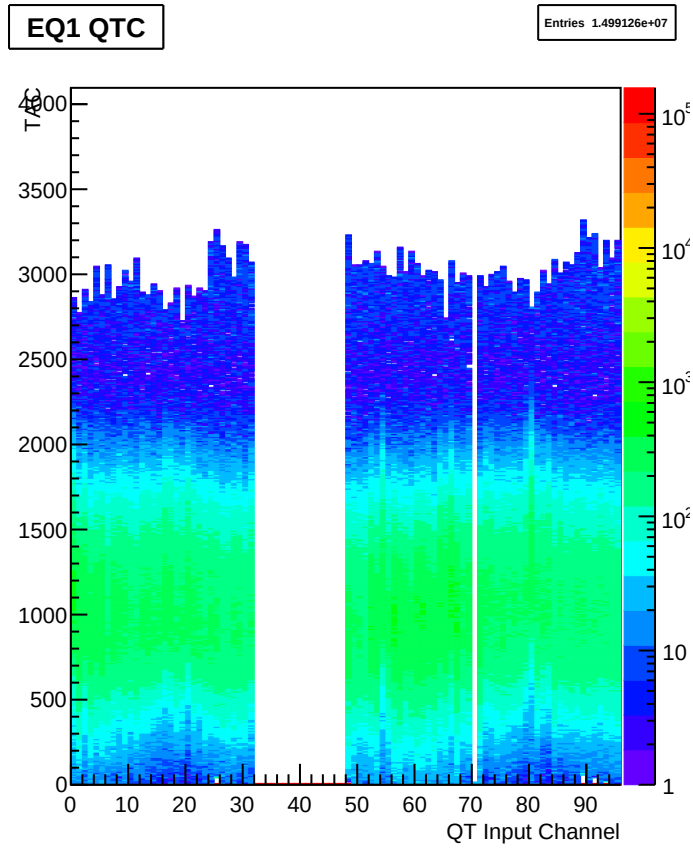

BBQ-VP002 West
Entries 2498544
ADC
QT Input Channel

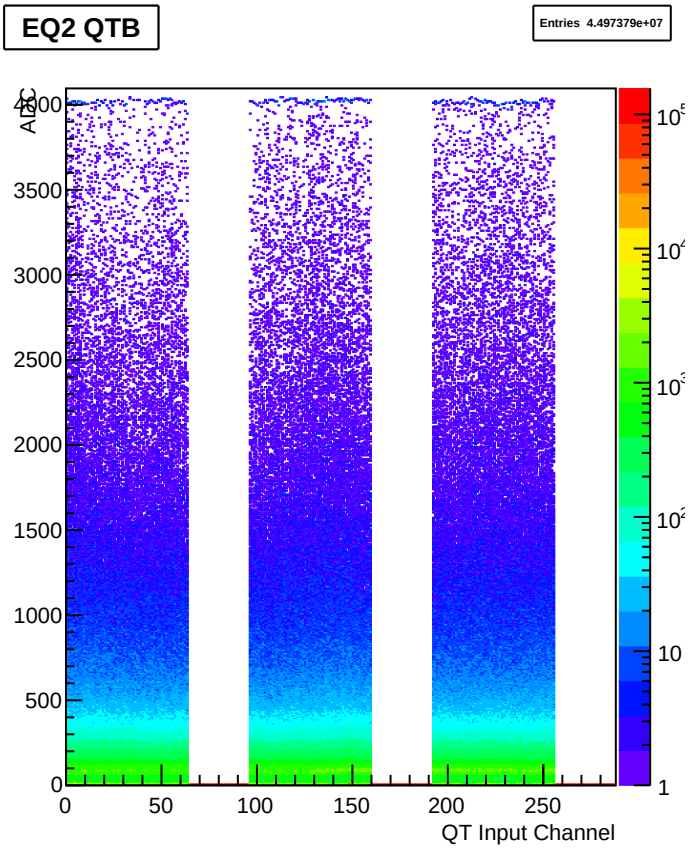

BBQ-VP002 West
Entries 2498544
TAC
QT Input Channel

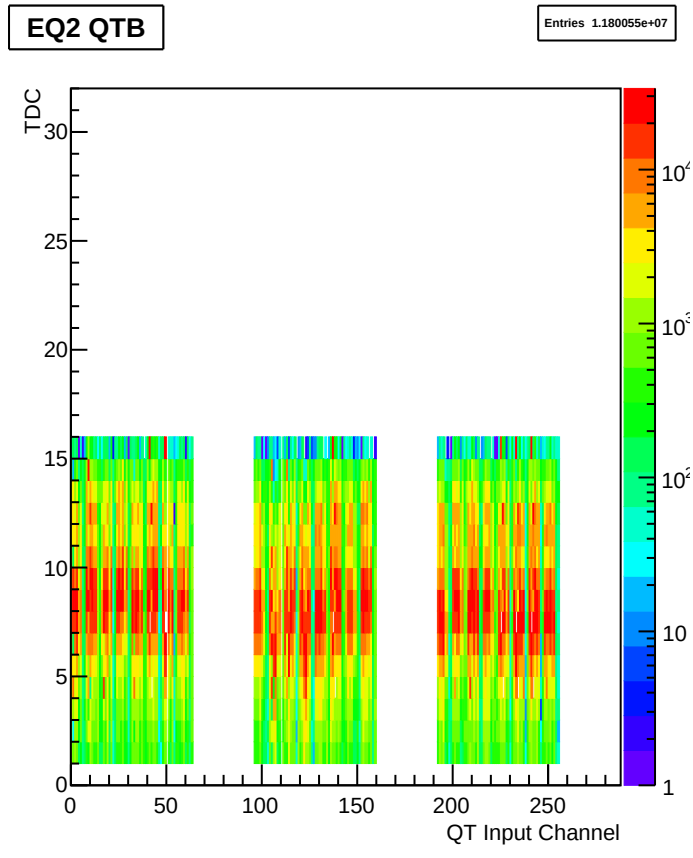

EQ1 QTB
Entries 4.497379e+07
ADC
QT Input Channel

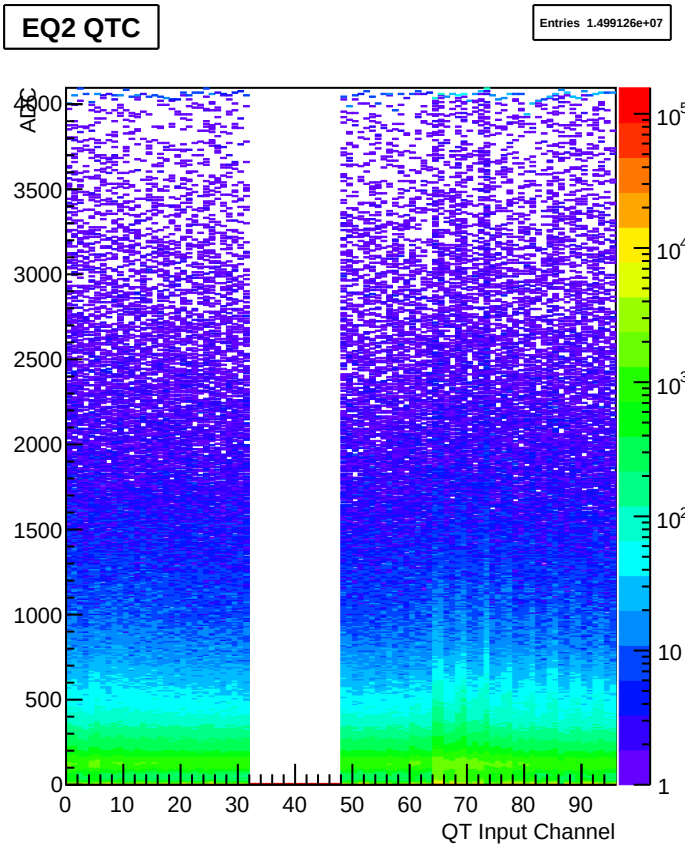

EQ1 QTB
Entries 1.637494e+07
TDC
QT Input Channel

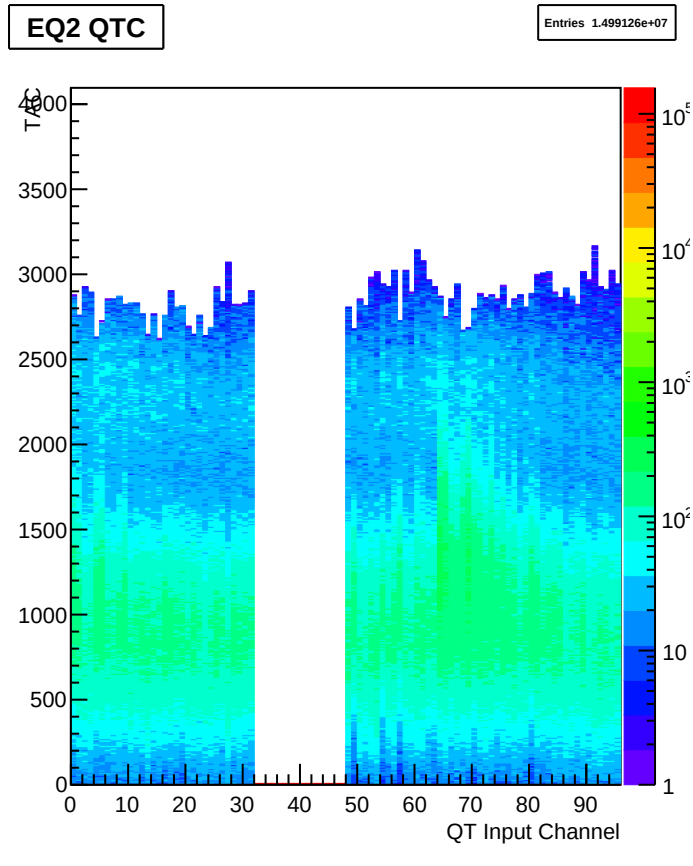

EQ1 QTC
Entries 1.499126e+07
ADC
QT Input Channel

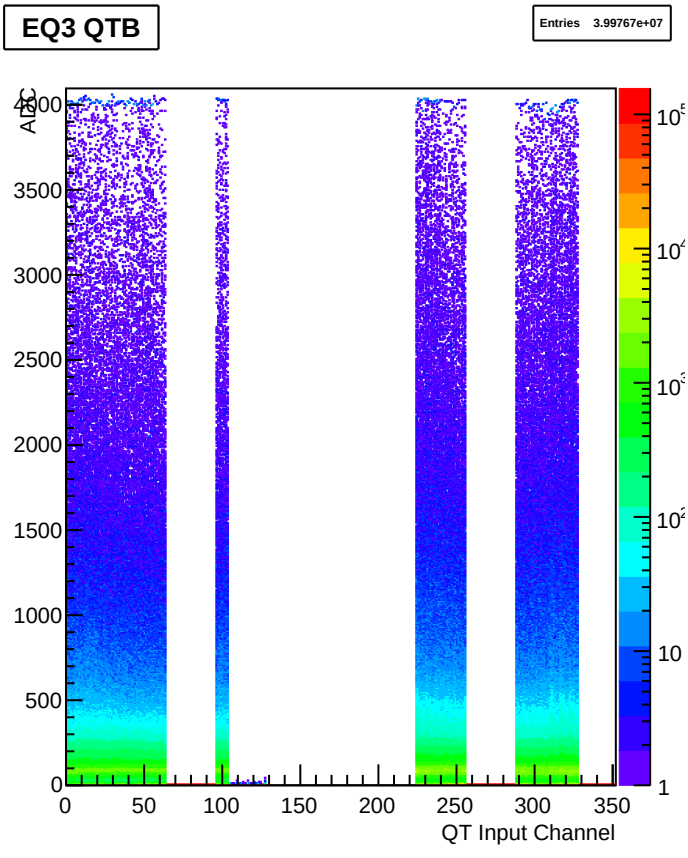

EQ1 QTC
Entries 1.499126e+07
TADC
QT Input Channel

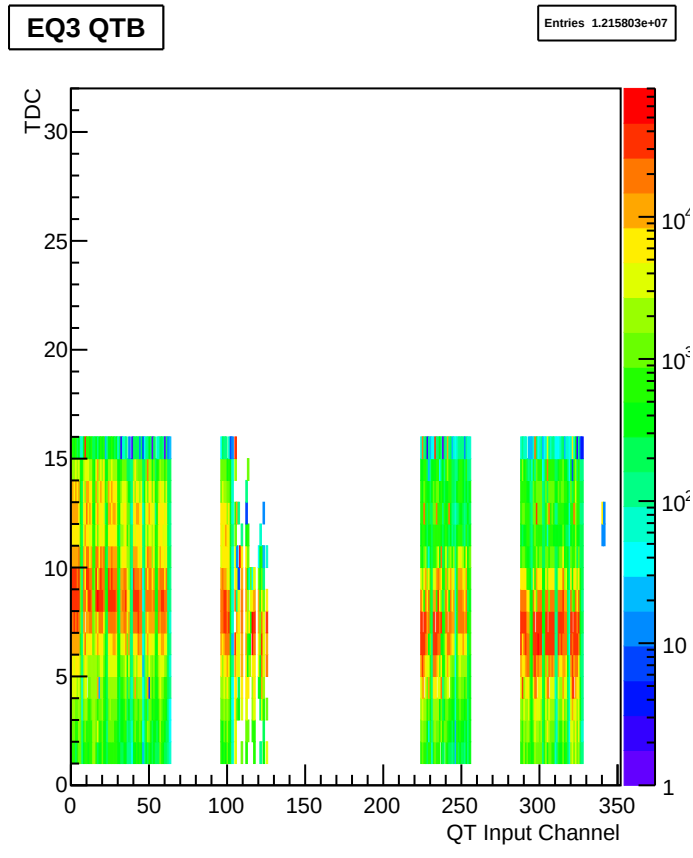

EQ2 QTB
Entries 4.497379e+07
ADC
QT Input Channel

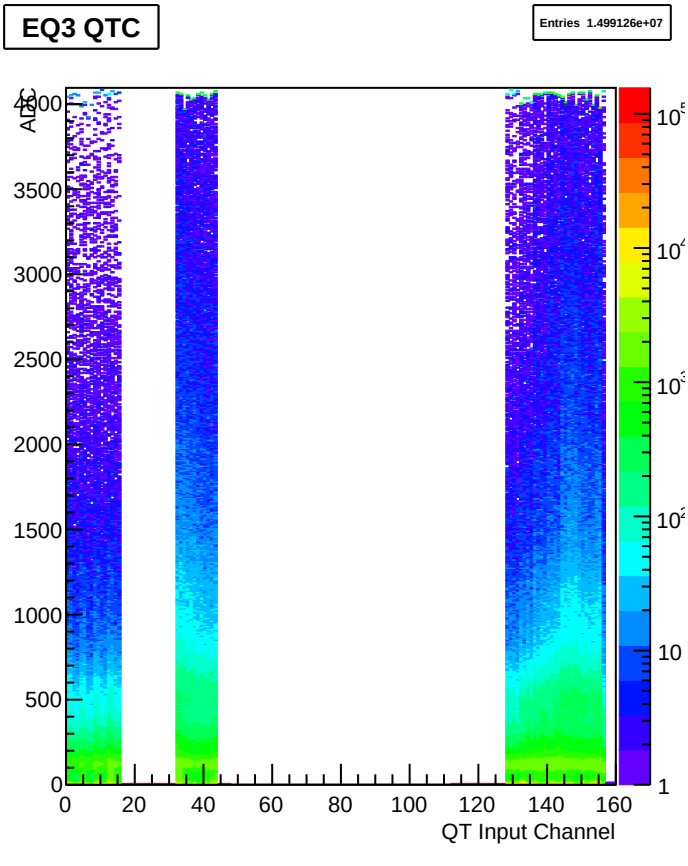

EQ2 QTB
Entries 1.180055e+07
TDC
QT Input Channel

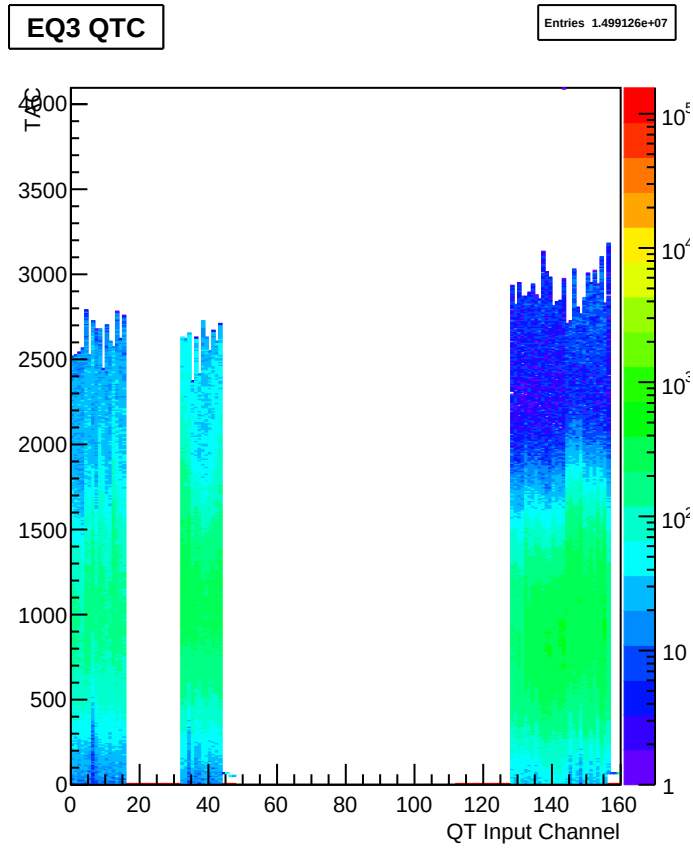

EQ2 QTC
Entries 1.499126e+07
ADC
QT Input Channel

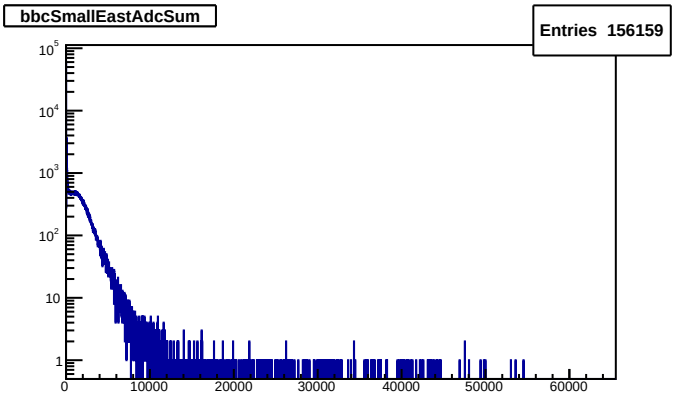

EQ2 QTC
Entries 1.499126e+07
TADC
QT Input Channel

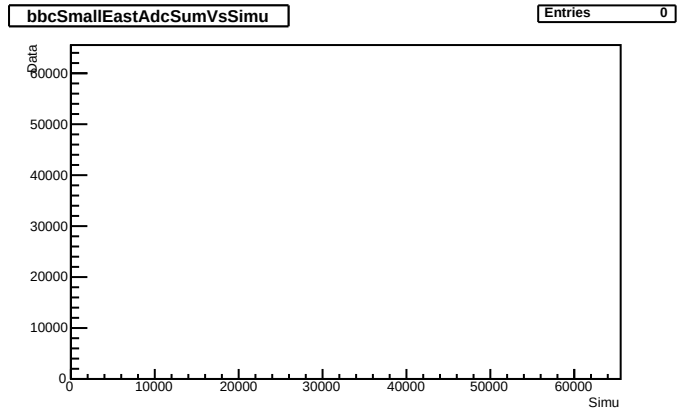

EQ3 QTB
Entries 3.99767e+07
ADC
QT Input Channel

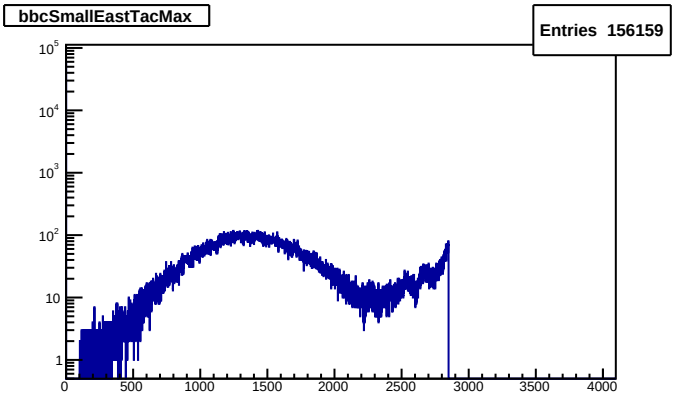

EQ3 QTB
Entries 1.215803e+07
TDC
QT Input Channel

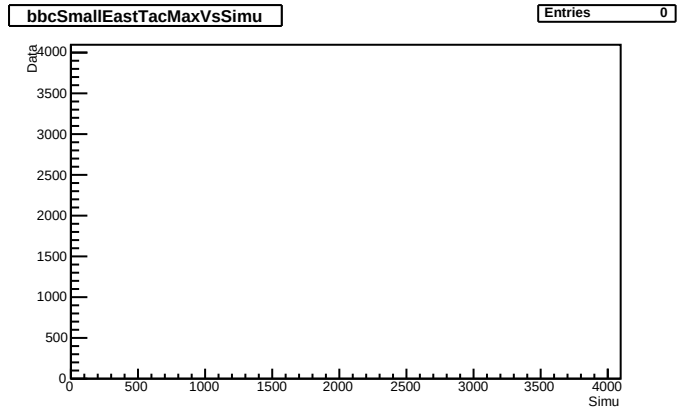

EQ3 QTC
Entries 1.499126e+07
ADC
QT Input Channel


EQ3 QTC
Entries 1.499126e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 156159


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 156159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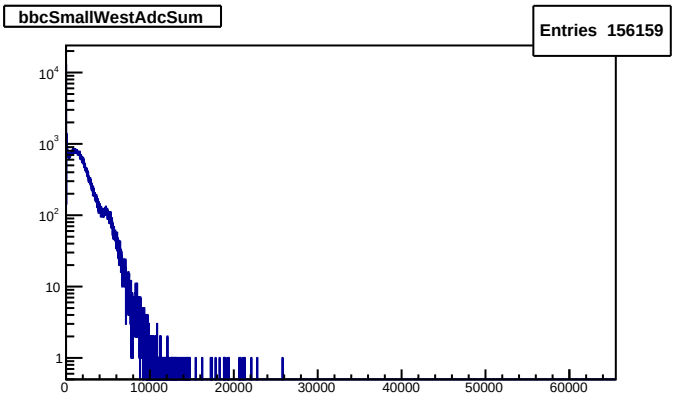
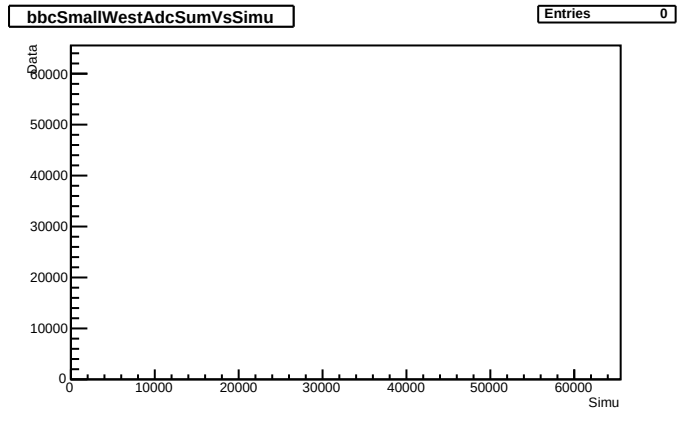
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 156159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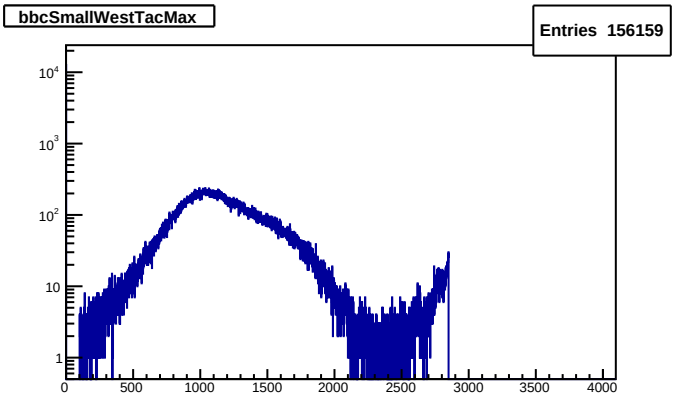
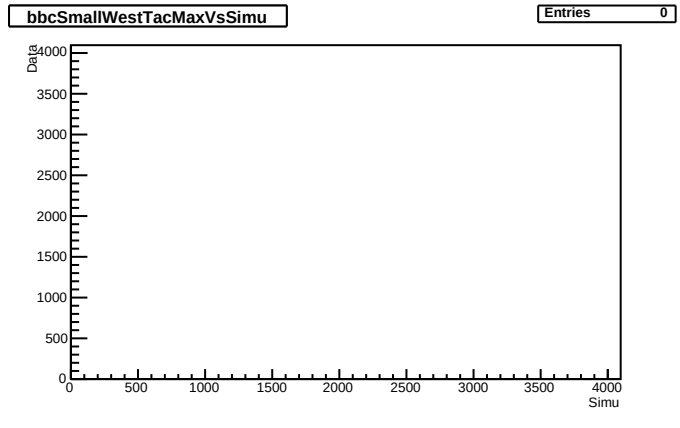
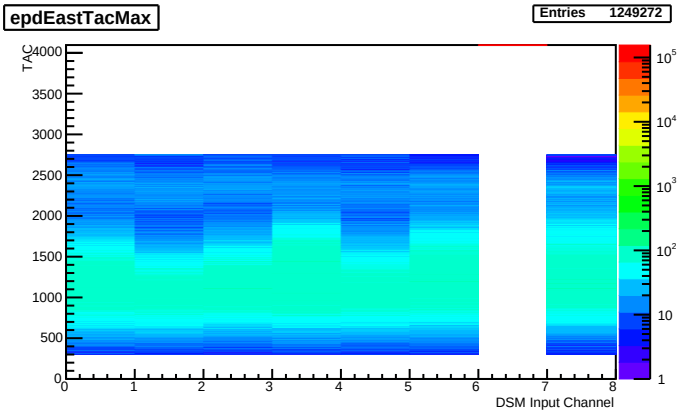
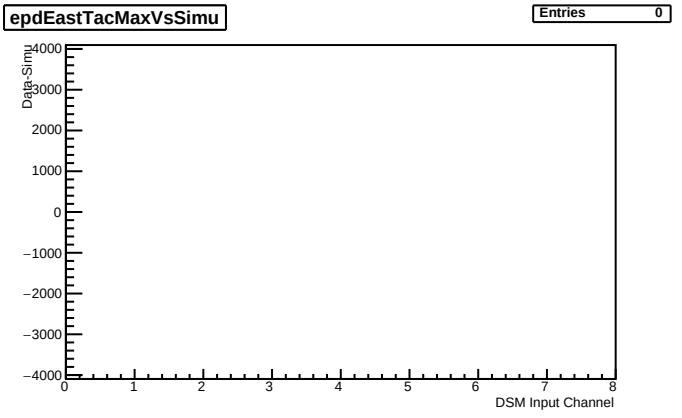
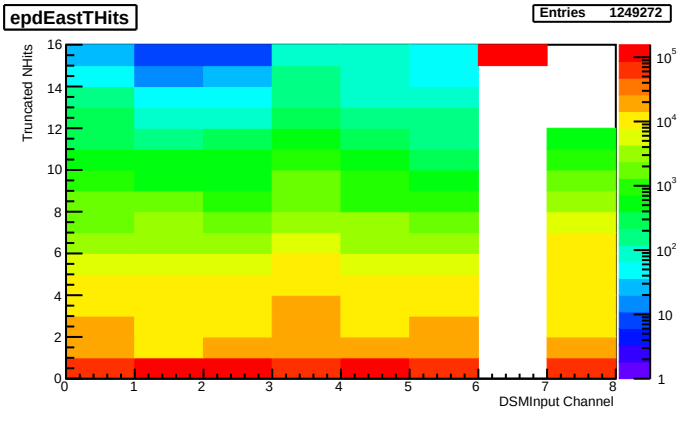
Entries 0
Data
Simu

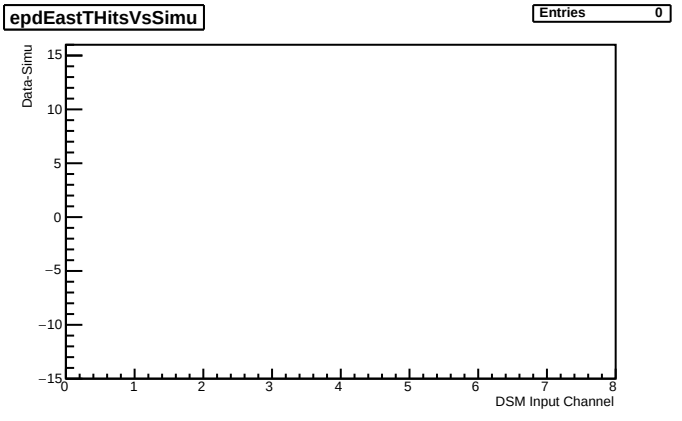

bbcSmallWestTacMax
Entries 156159


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 1249272
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 1249272
Truncated NHits
DSMInput Channel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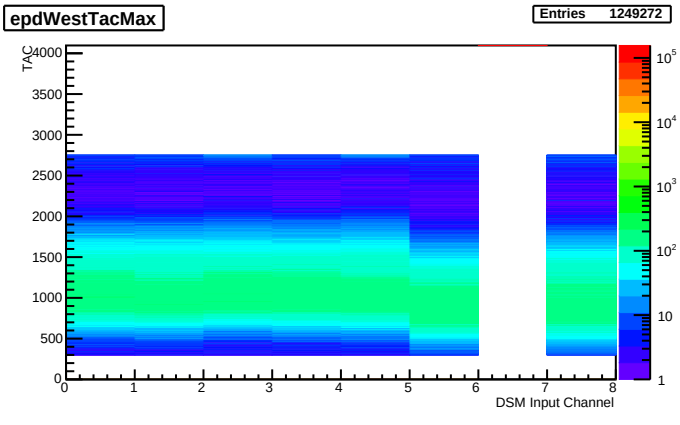
DSM Input Channel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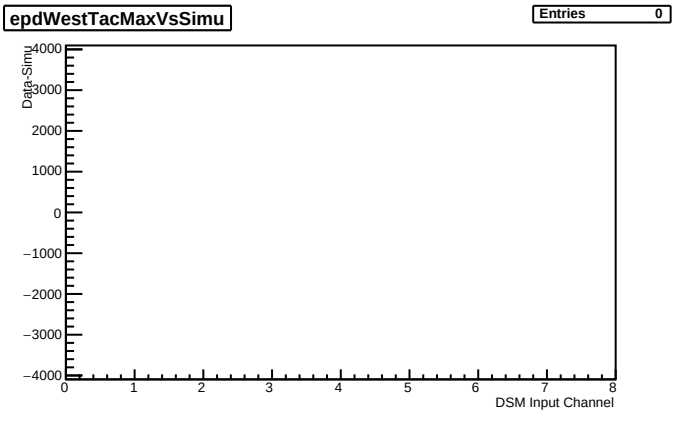
Entries 1249272
TAC
DSM Input Channel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Entries 0
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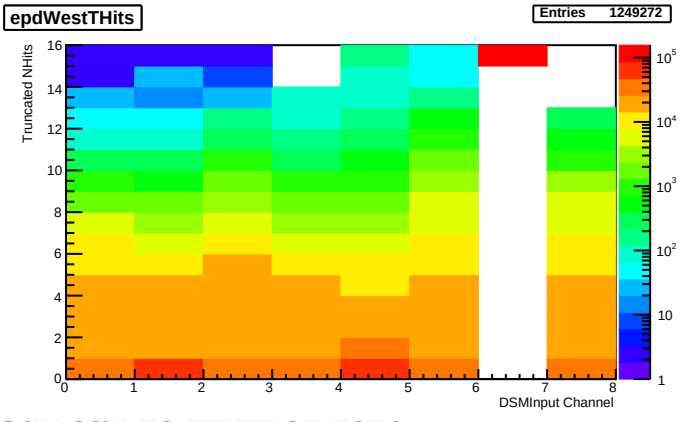
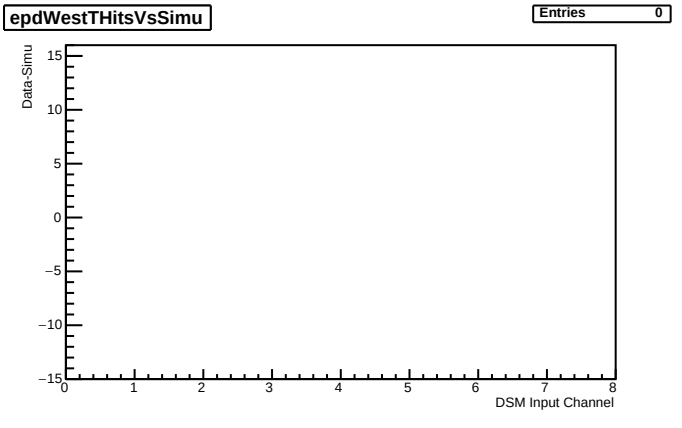
DSM Input Channel


epdWestTHits
Entries 1249272
Truncated NHits
DSMInput Channel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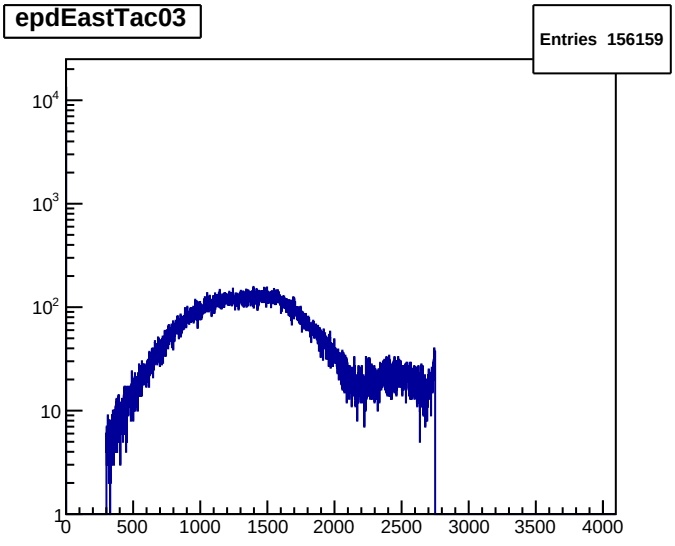
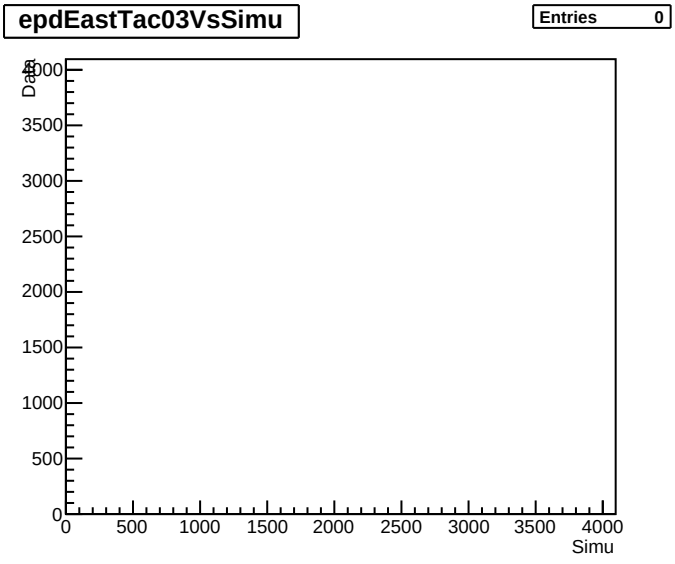
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 156159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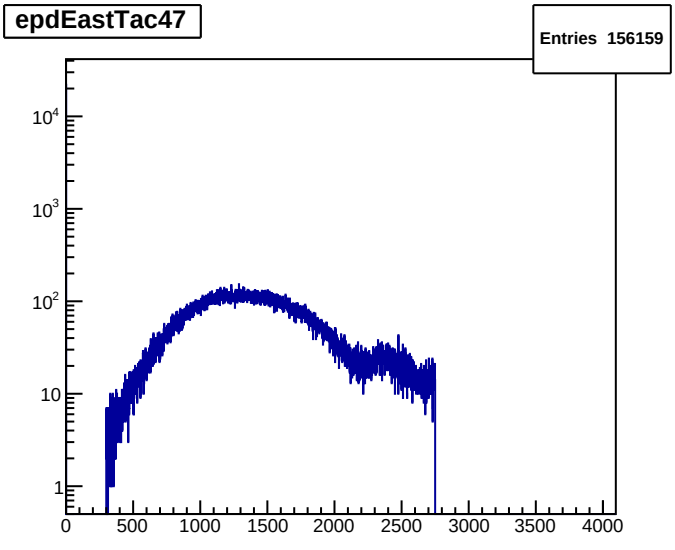
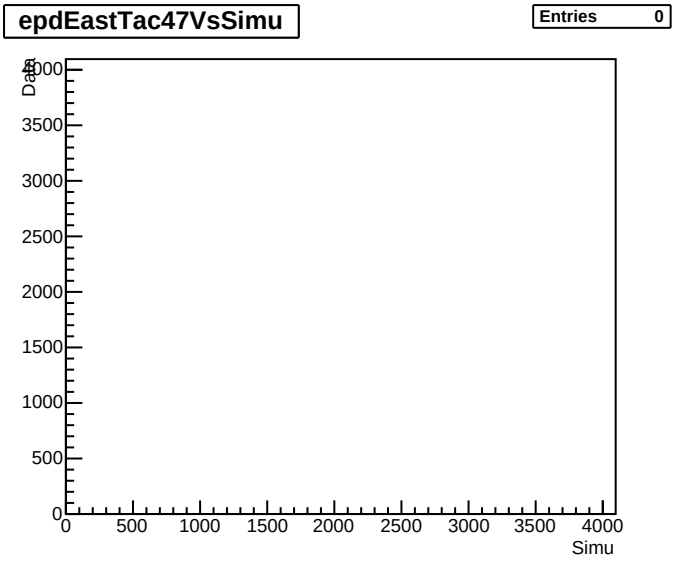
Entries 0
Data
Simu


epdEastTac47
Entries 156159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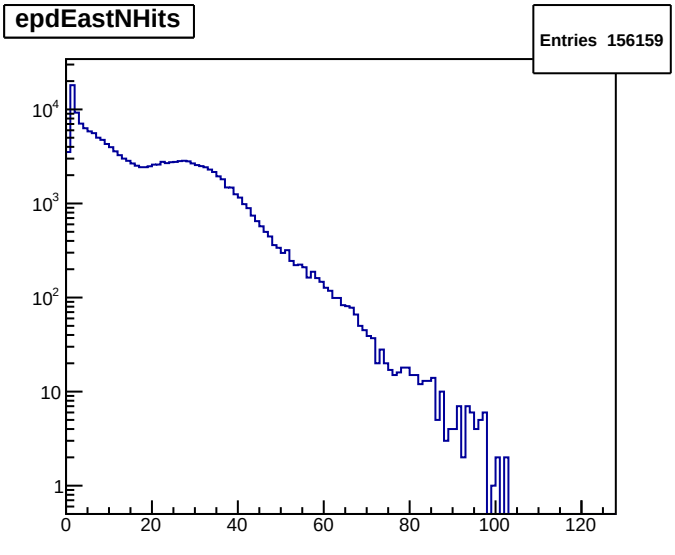
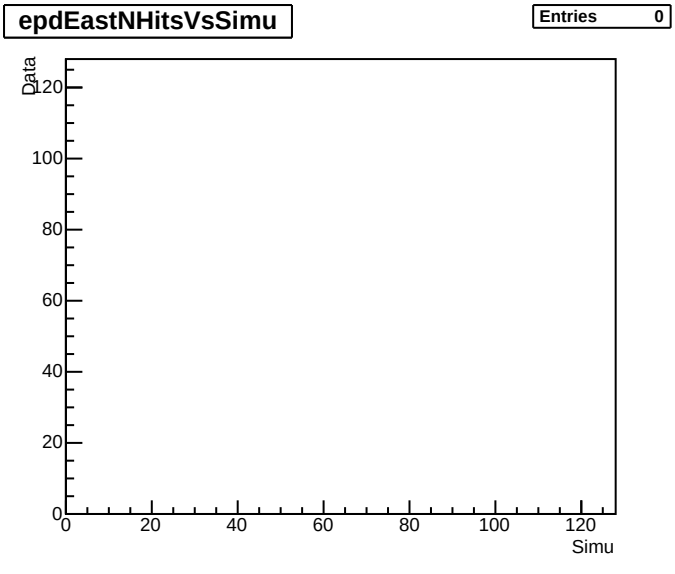
Entries 0
Data
Simu


epdEastNHits
Entries 156159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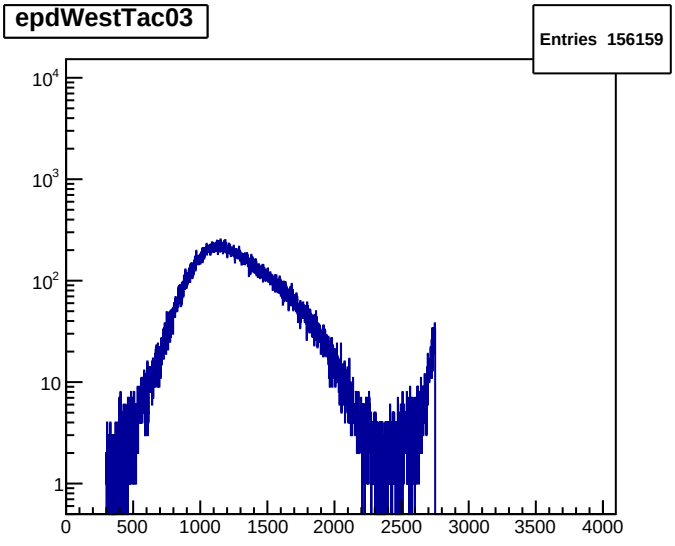
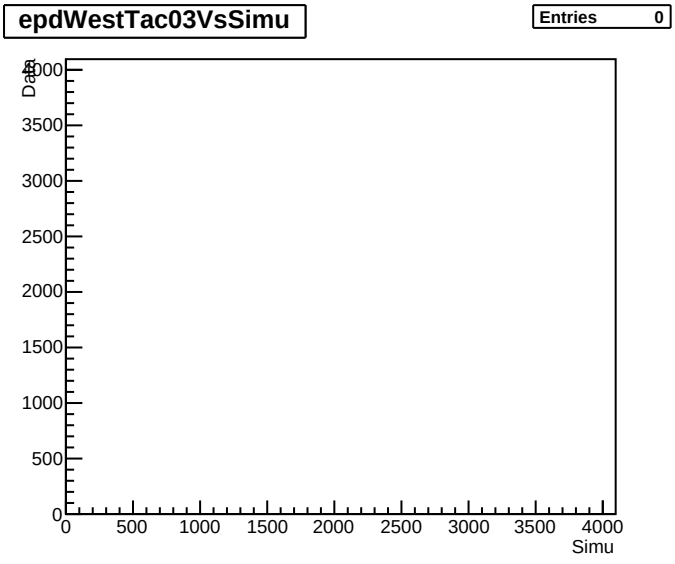
Data
Simu


epdWestTac03
Entries 156159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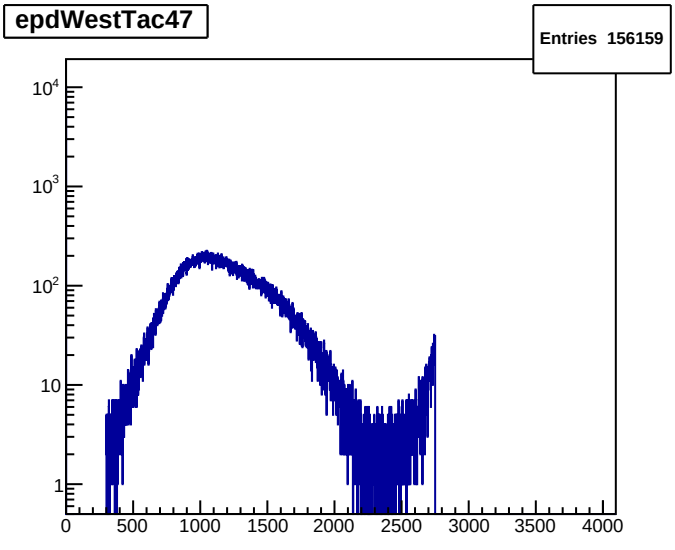
Entries 0
Data
Simu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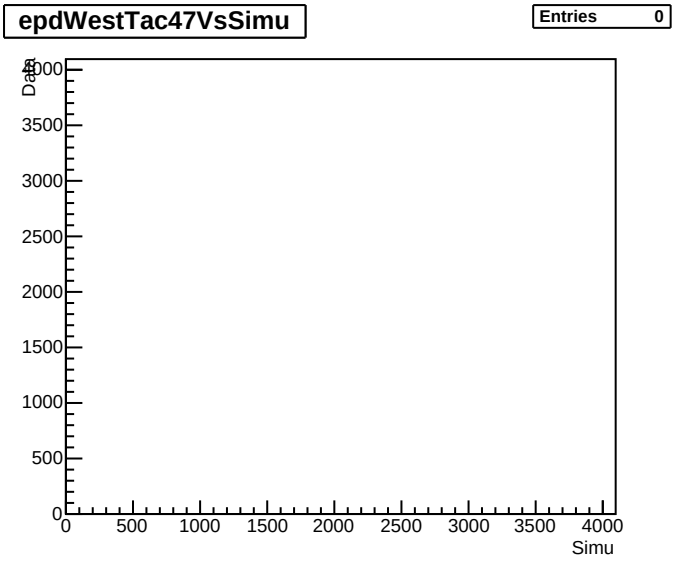
Entries 156159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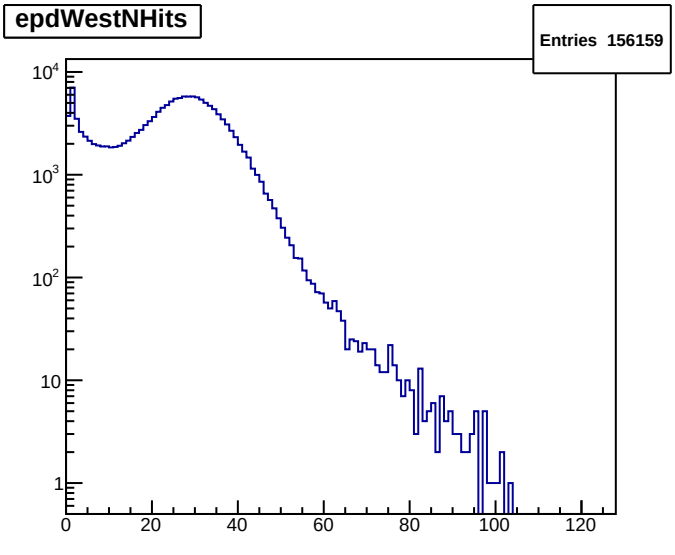
Entries 0
Data
Simu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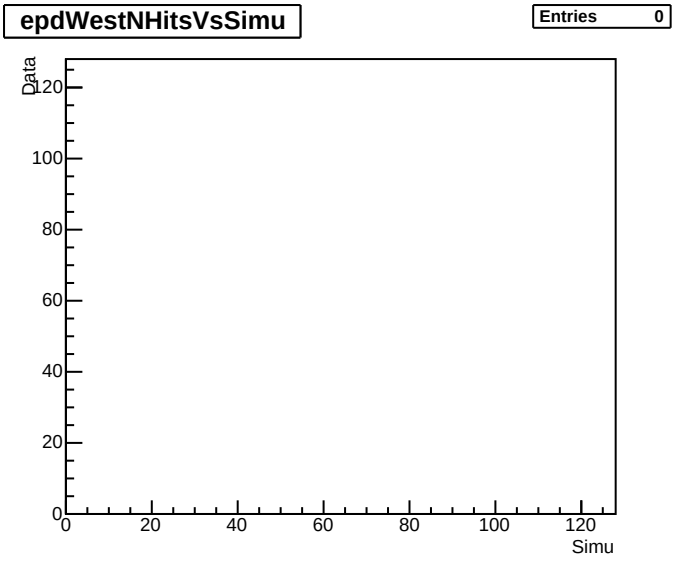
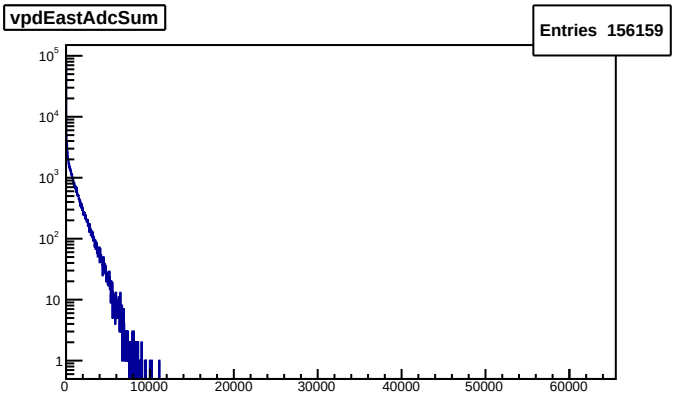
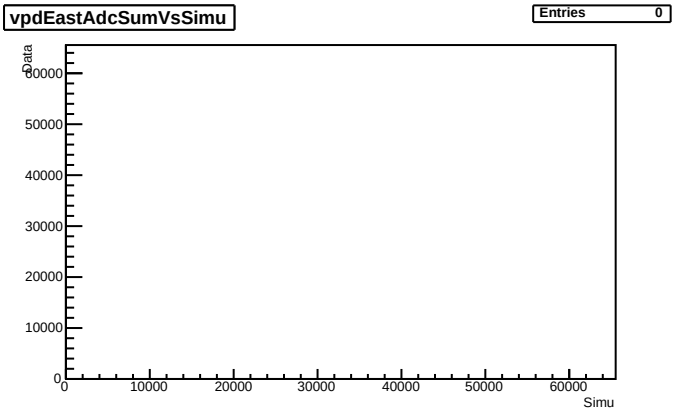
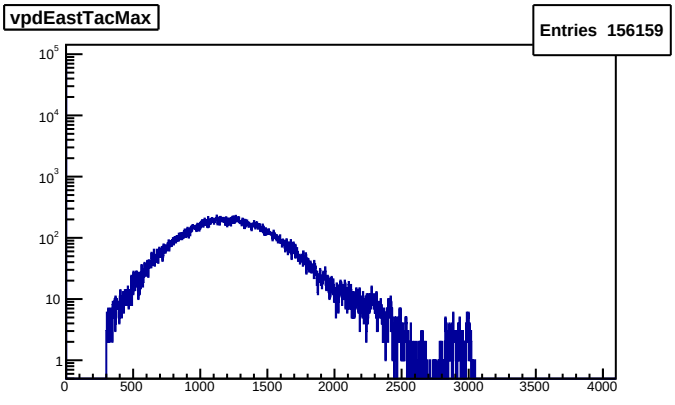
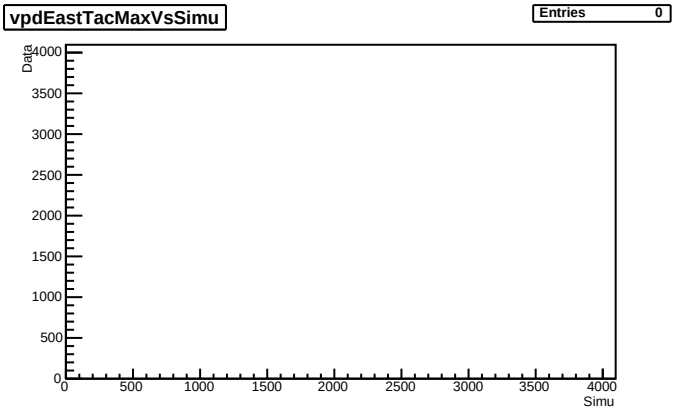
Entries 156159

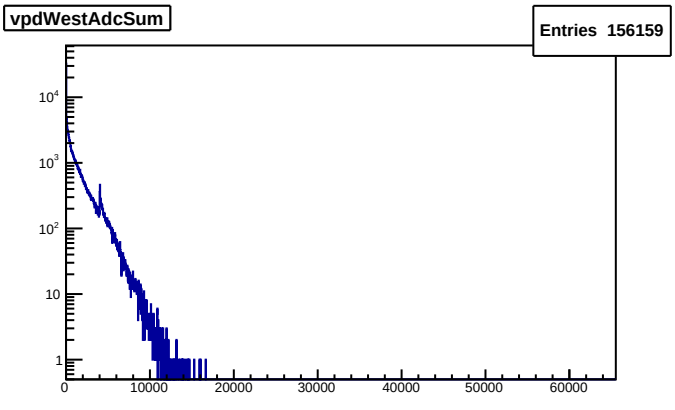

epdWestNHitsVsSimu
Entries 0
Data
Simu

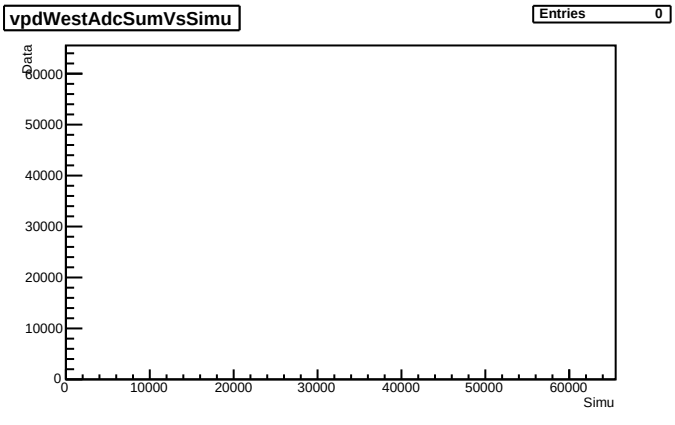

vpdEastAdcSum
Entries 156159

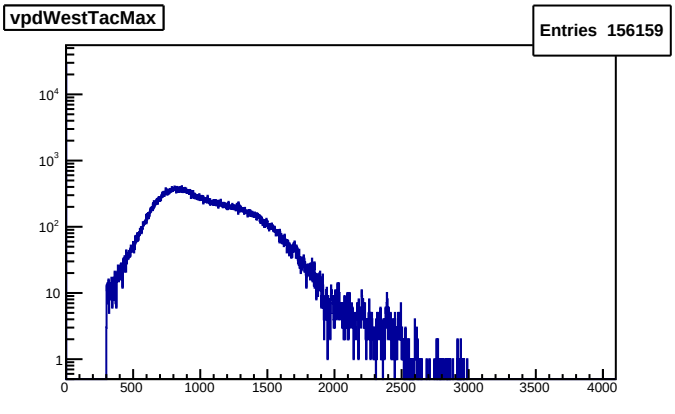

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

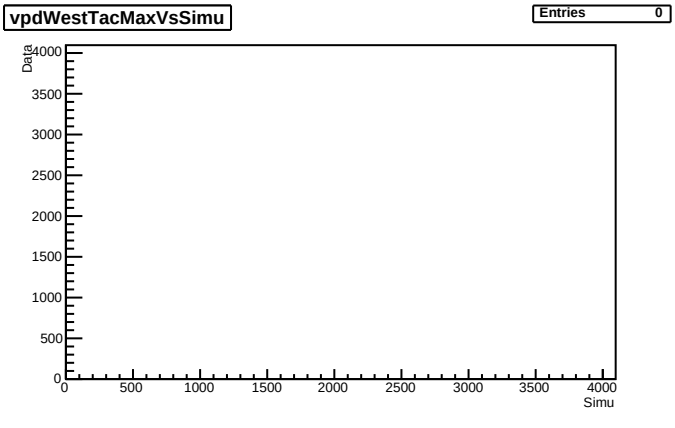

vpdEastTacMax
Entries 156159

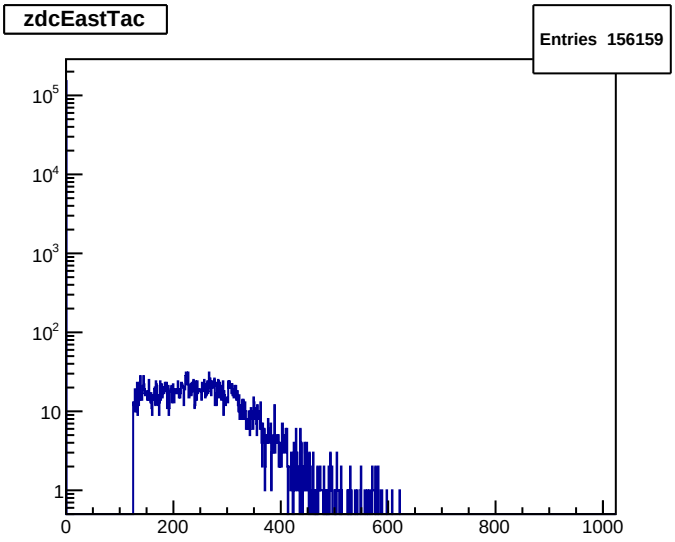

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

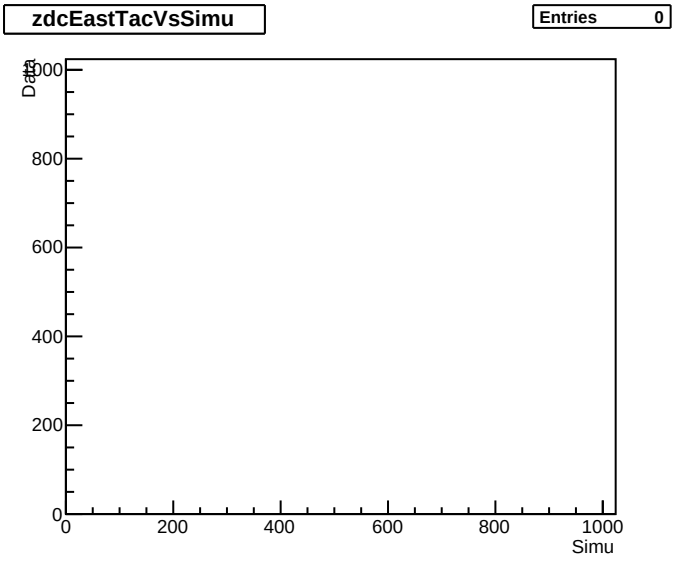

vpdWestAdcSum
Entries 156159

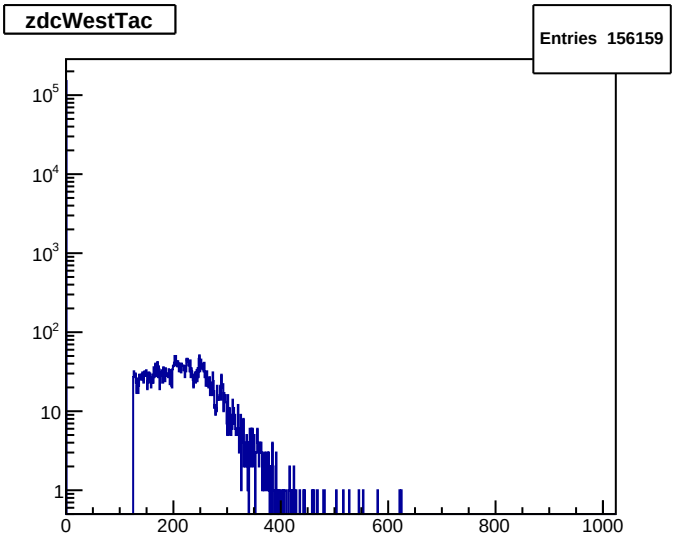

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

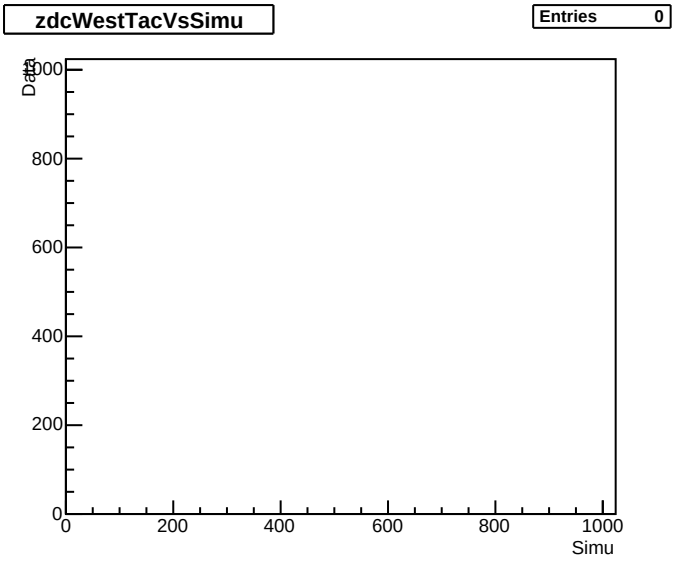

vpdWestTacMax
Entries 156159

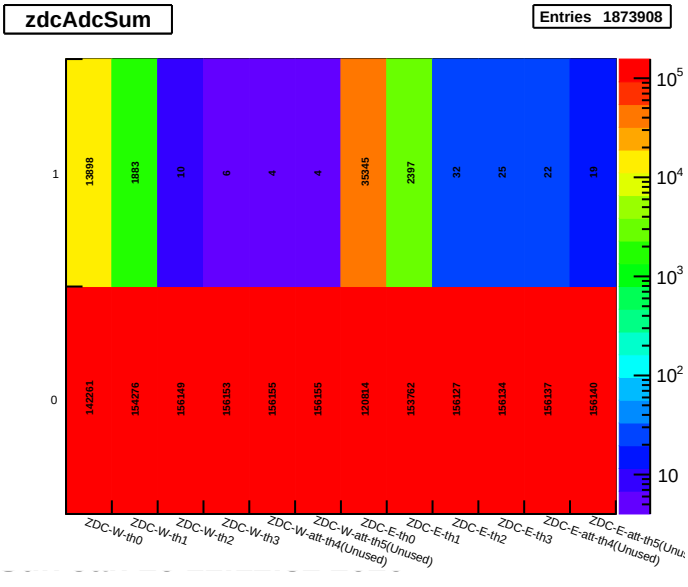

vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 156159
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 156159
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 1873908
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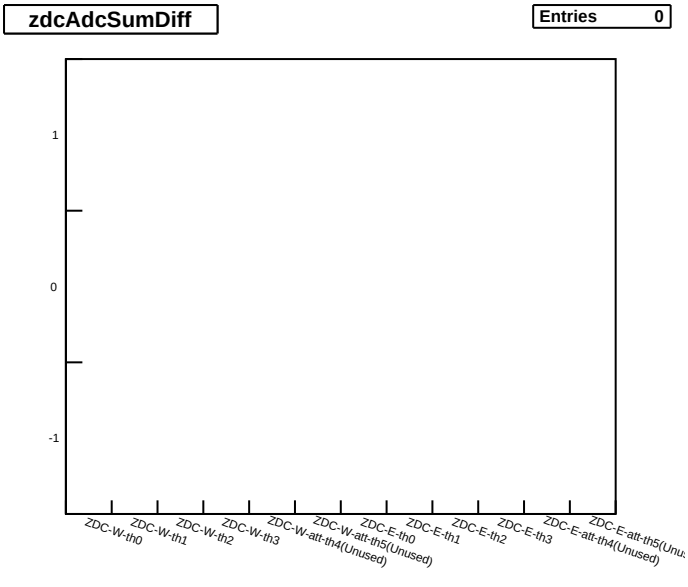
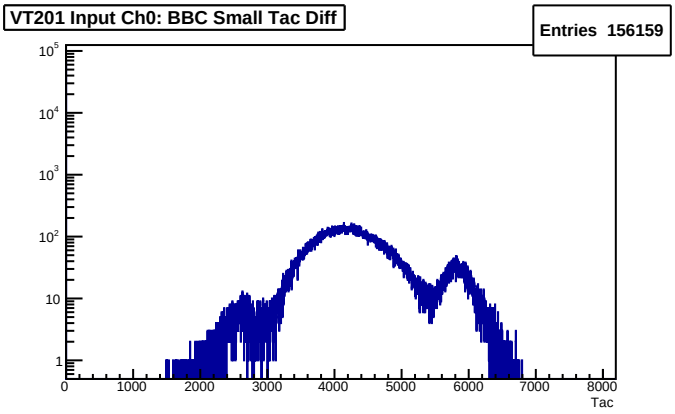
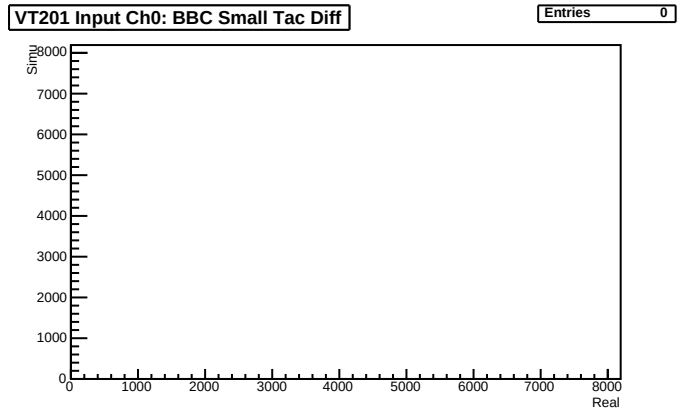
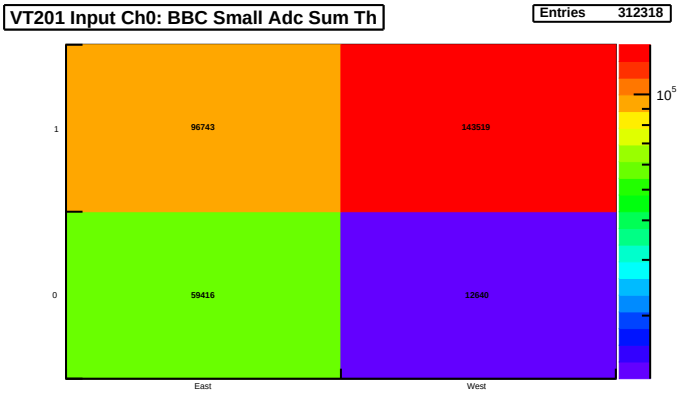
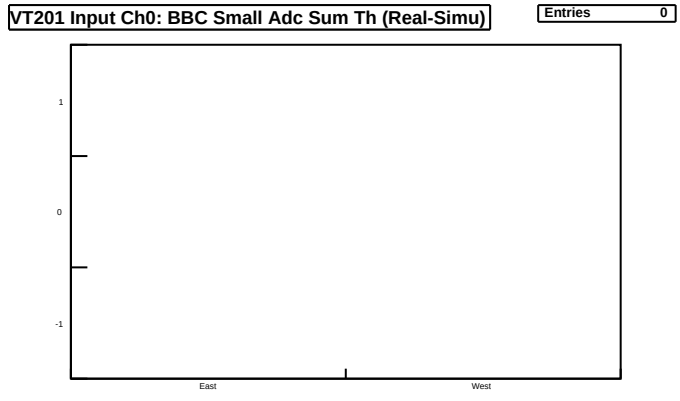
0
13898
1883
10
6
4
4
35345
2397
32
25
22
19
142261
154276
156149
156153
156155
156155
120814
153762
156127
156134
156137
156140
10^5
10^4
10^3
10^2
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

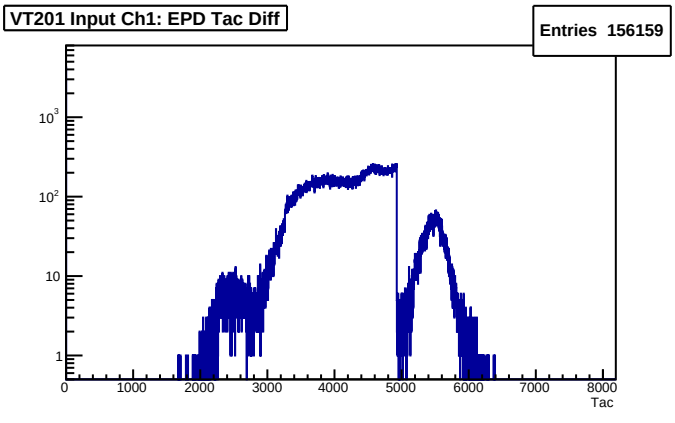

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

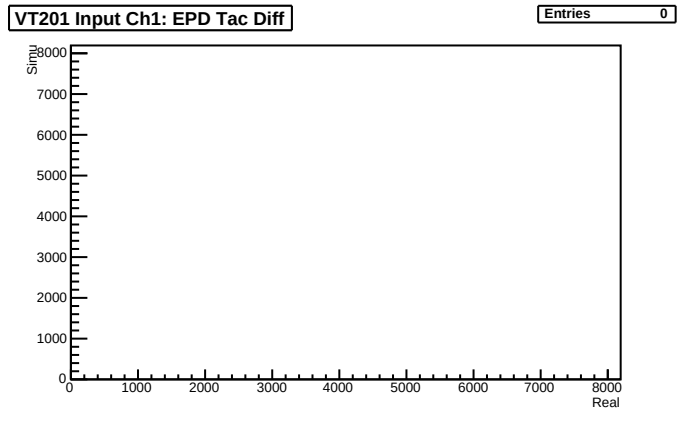

VT201 Input Ch0: BBC Small Tac Diff
Entries 156159
Tac

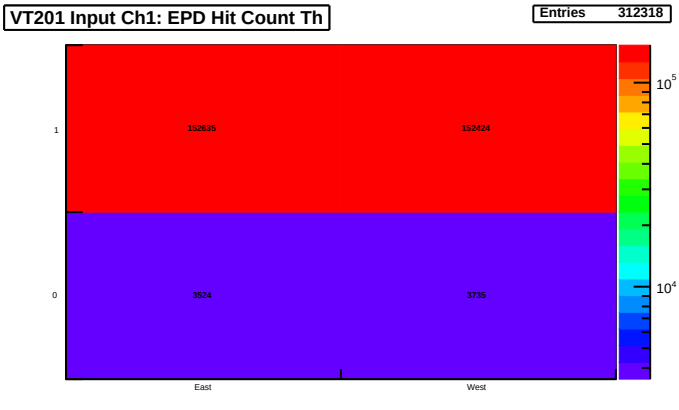

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

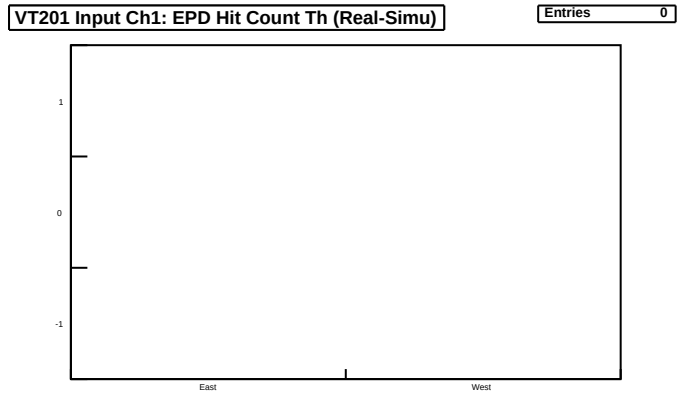

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 312318
96743
143519
59416
12640
East
West

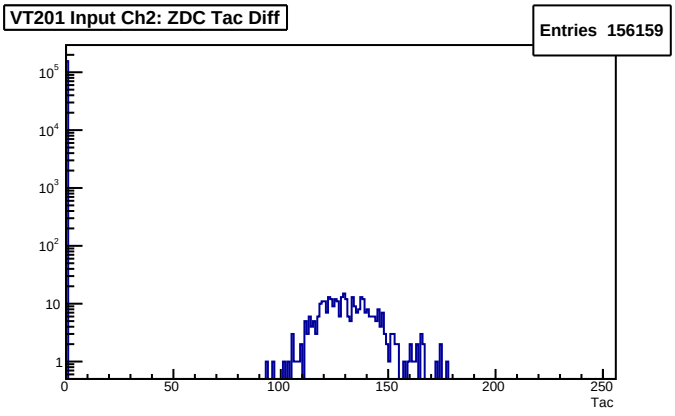

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

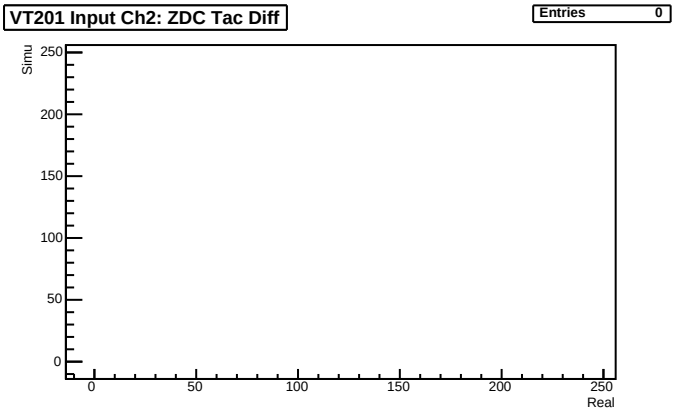

VT201 Input Ch1: EPD Tac Diff
Entries 156159
Tac

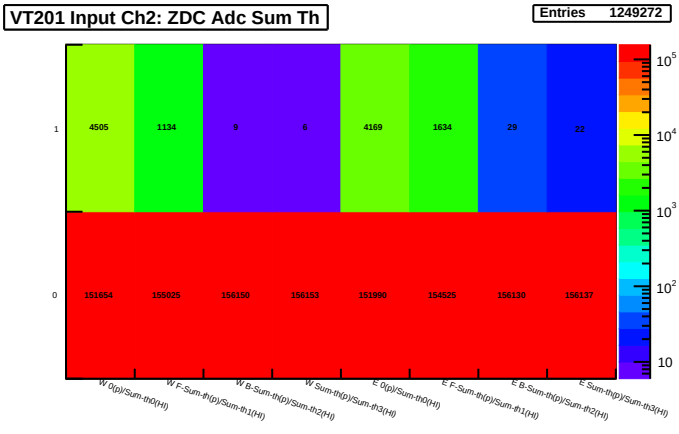

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

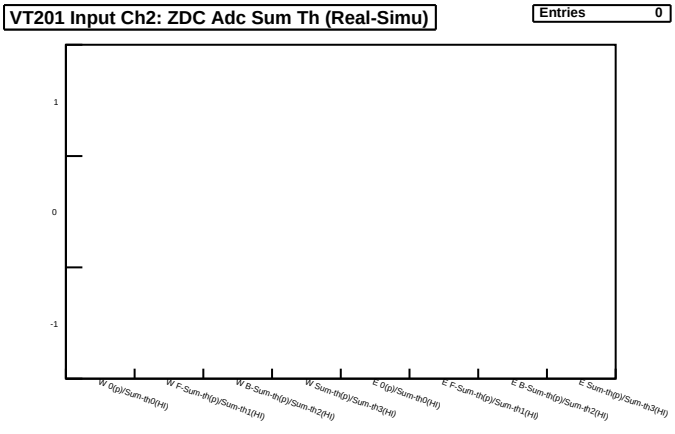

VT201 Input Ch1: EPD Hit Count Th
Entries 312318
152635
152424
3524
3735
East
West

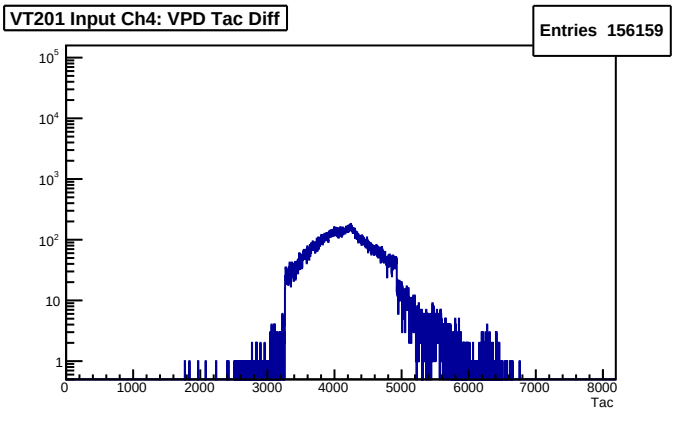

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

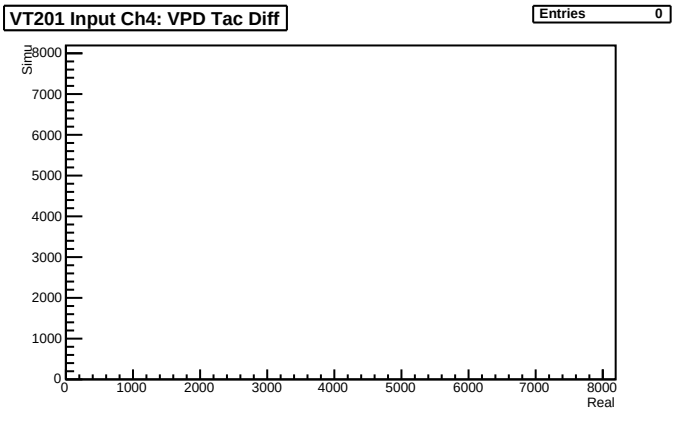

VT201 Input Ch2: ZDC Tac Diff
Entries 156159
Tac

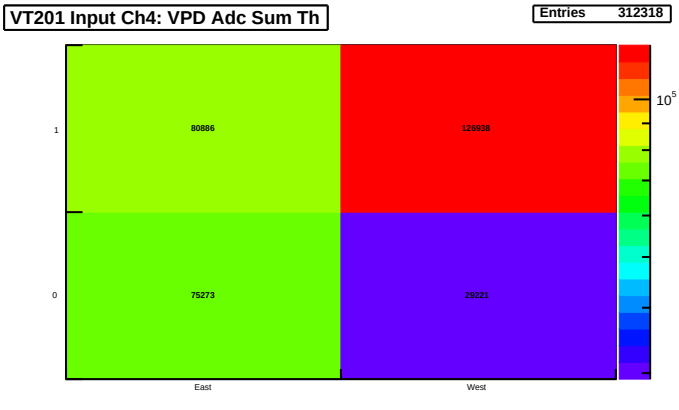

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

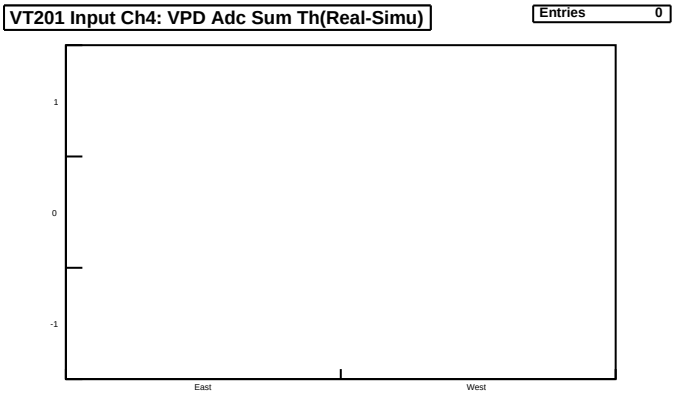

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1249272
4505
1134
9
6
4169
1634
29
22
151654
155025
156150
156153
151990
154525
156130
156137
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

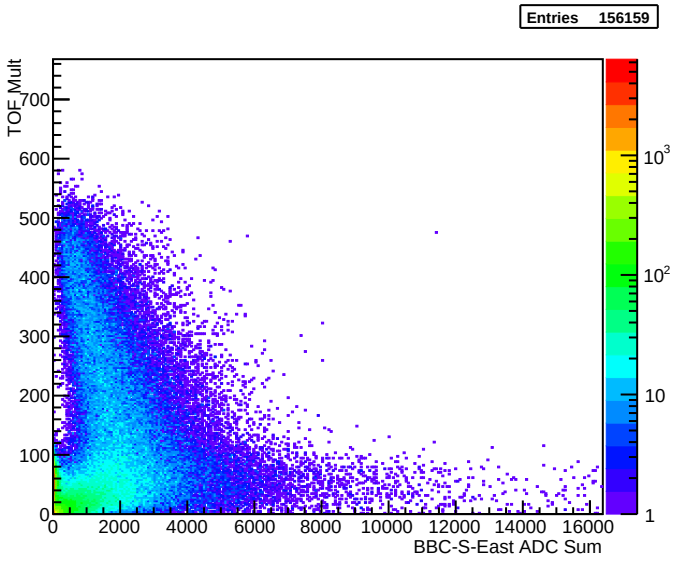

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

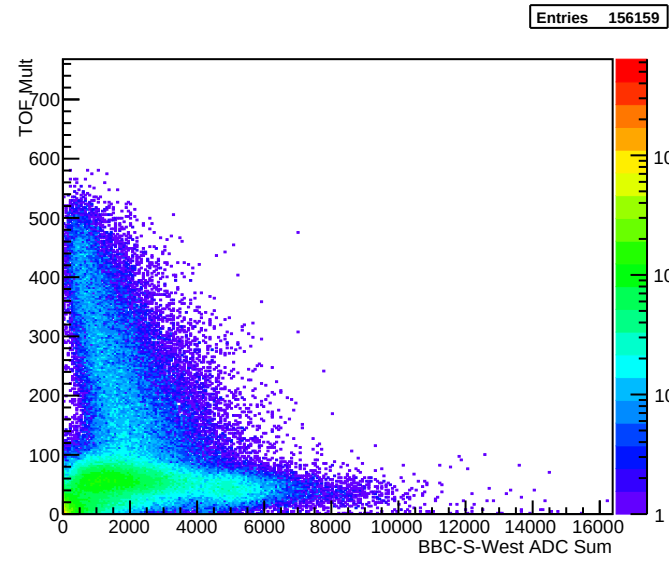

VT201 Input Ch4: VPD Tac Diff
Entries 156159
Tac

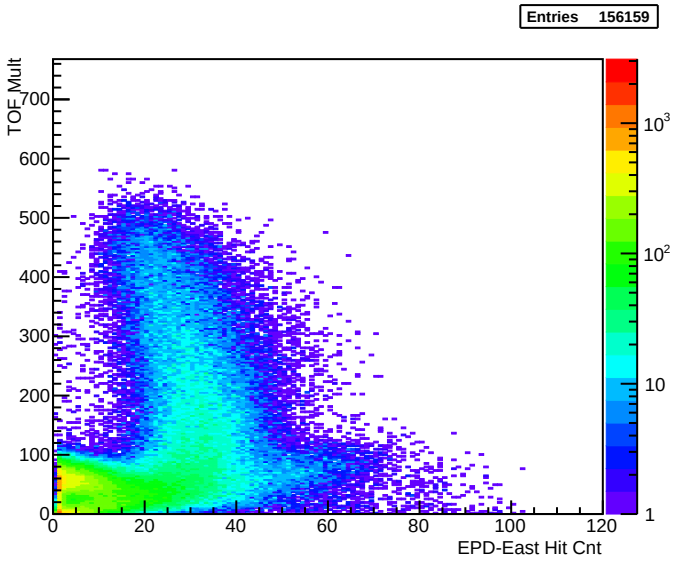

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

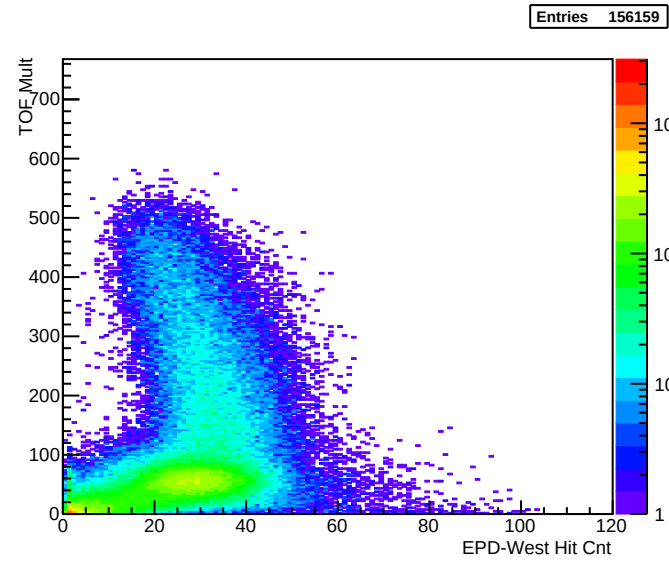

VT201 Input Ch4: VPD Adc Sum Th
Entries 312318
80886
120938
75273
29221
East
West

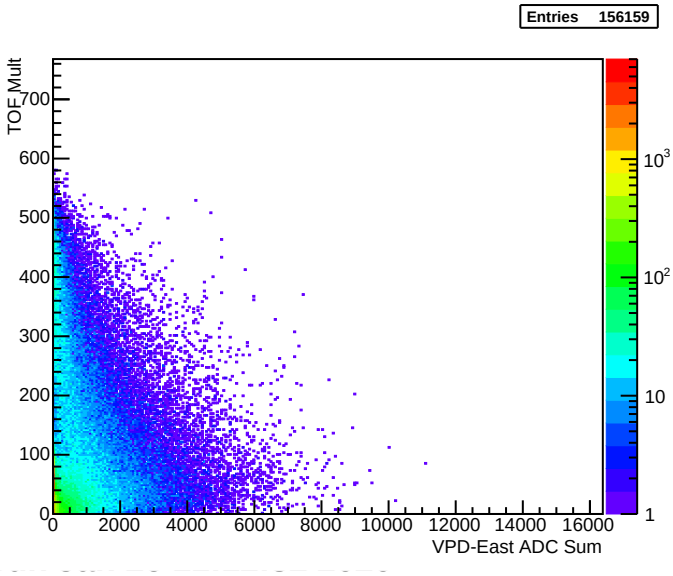

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

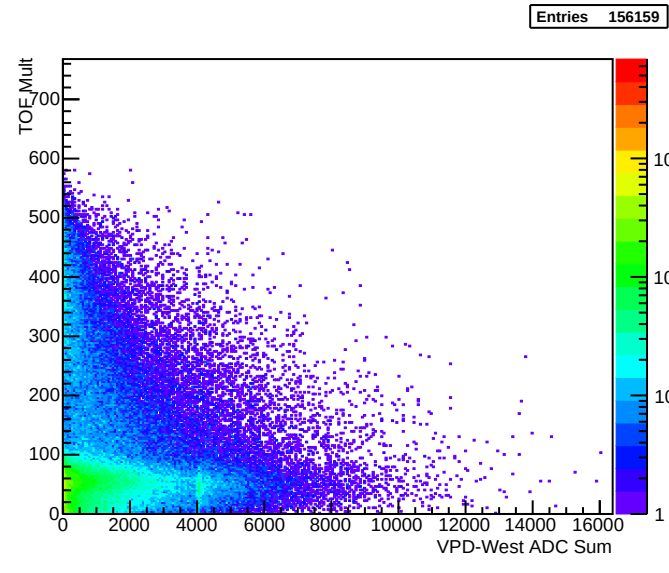

Entries 156159
TOF_Mult
BBC-S-East ADC Sum

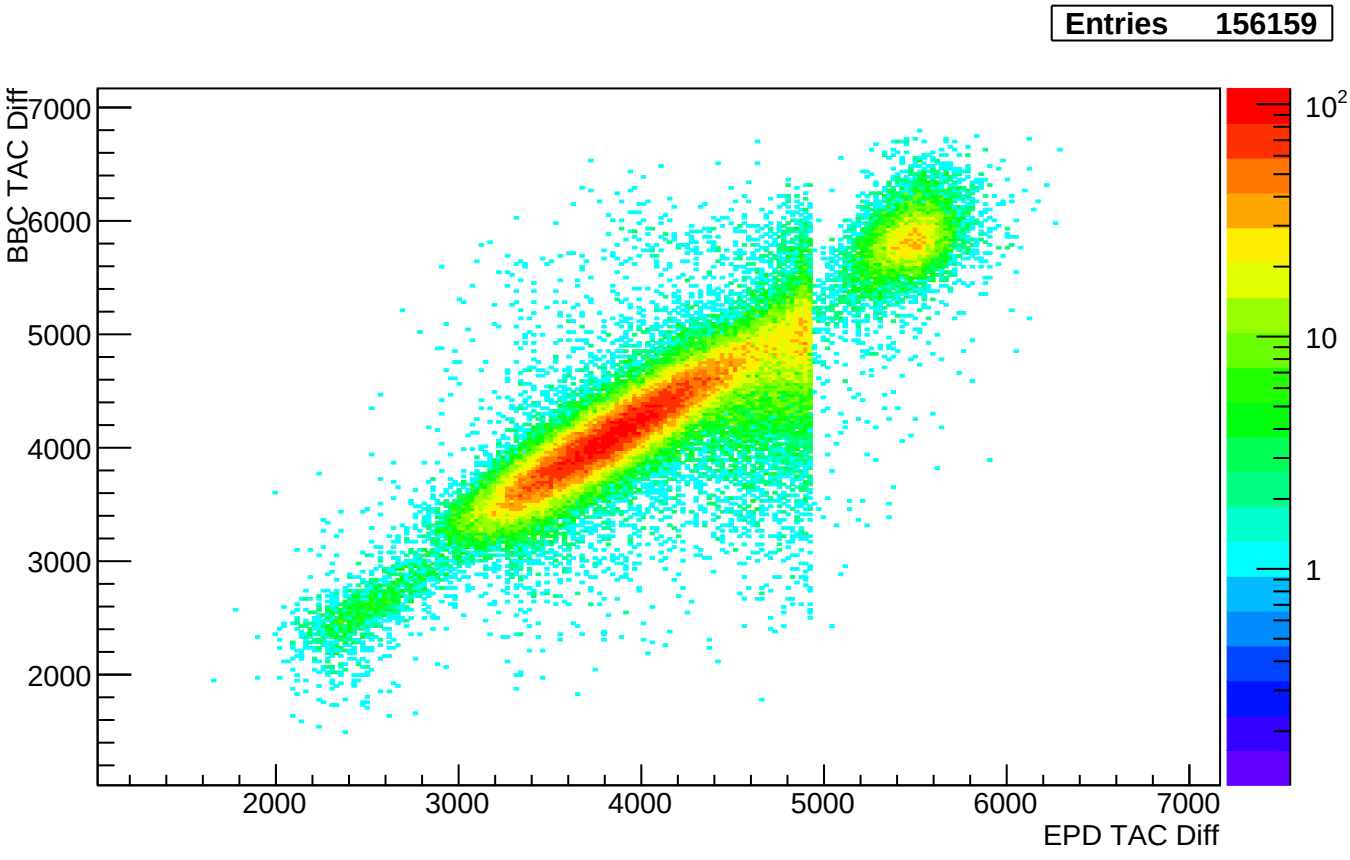

Entries 156159
TOF_Mult
BBC-S-West ADC Sum

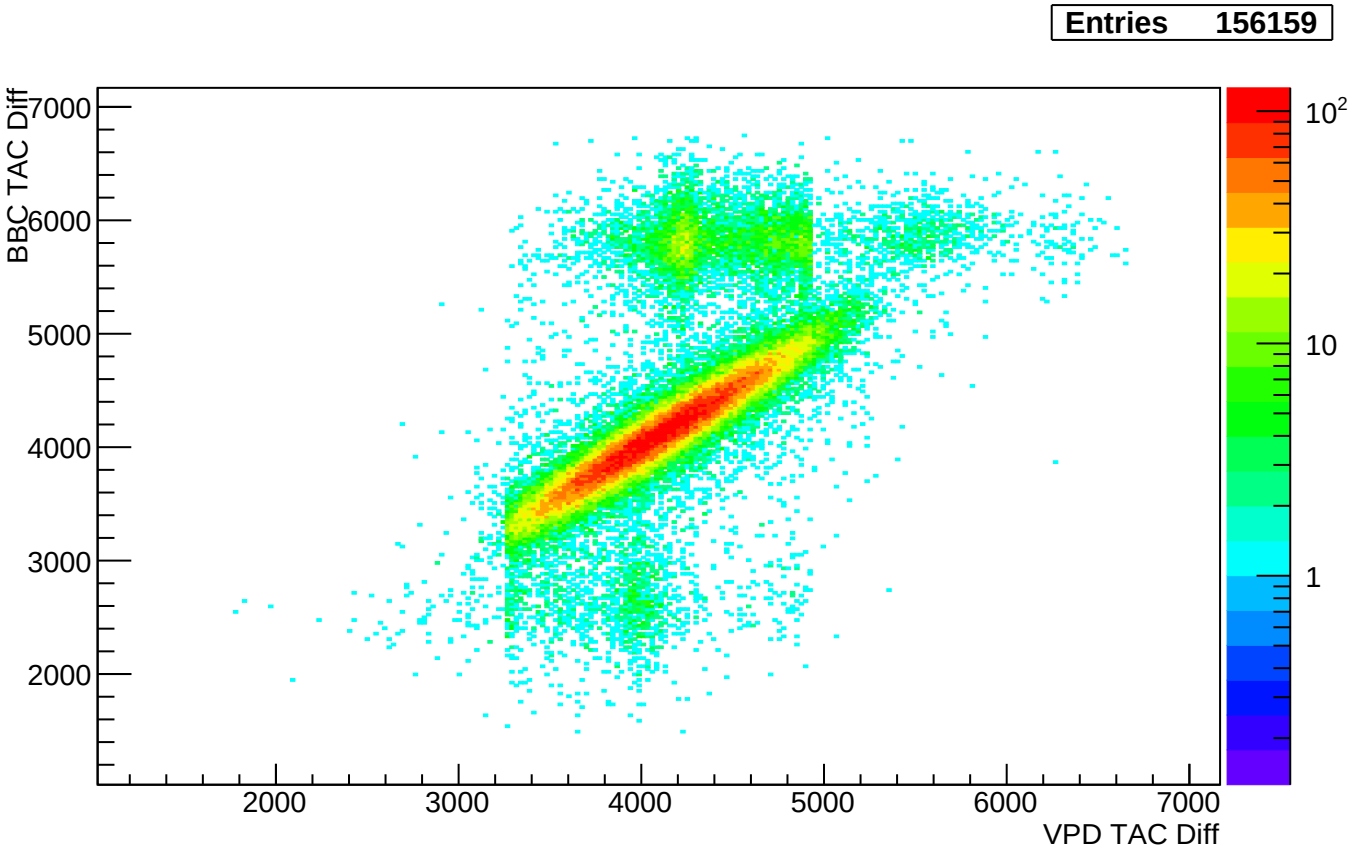

Entries 156159
TOF_Mult
EPD-East Hit Cnt

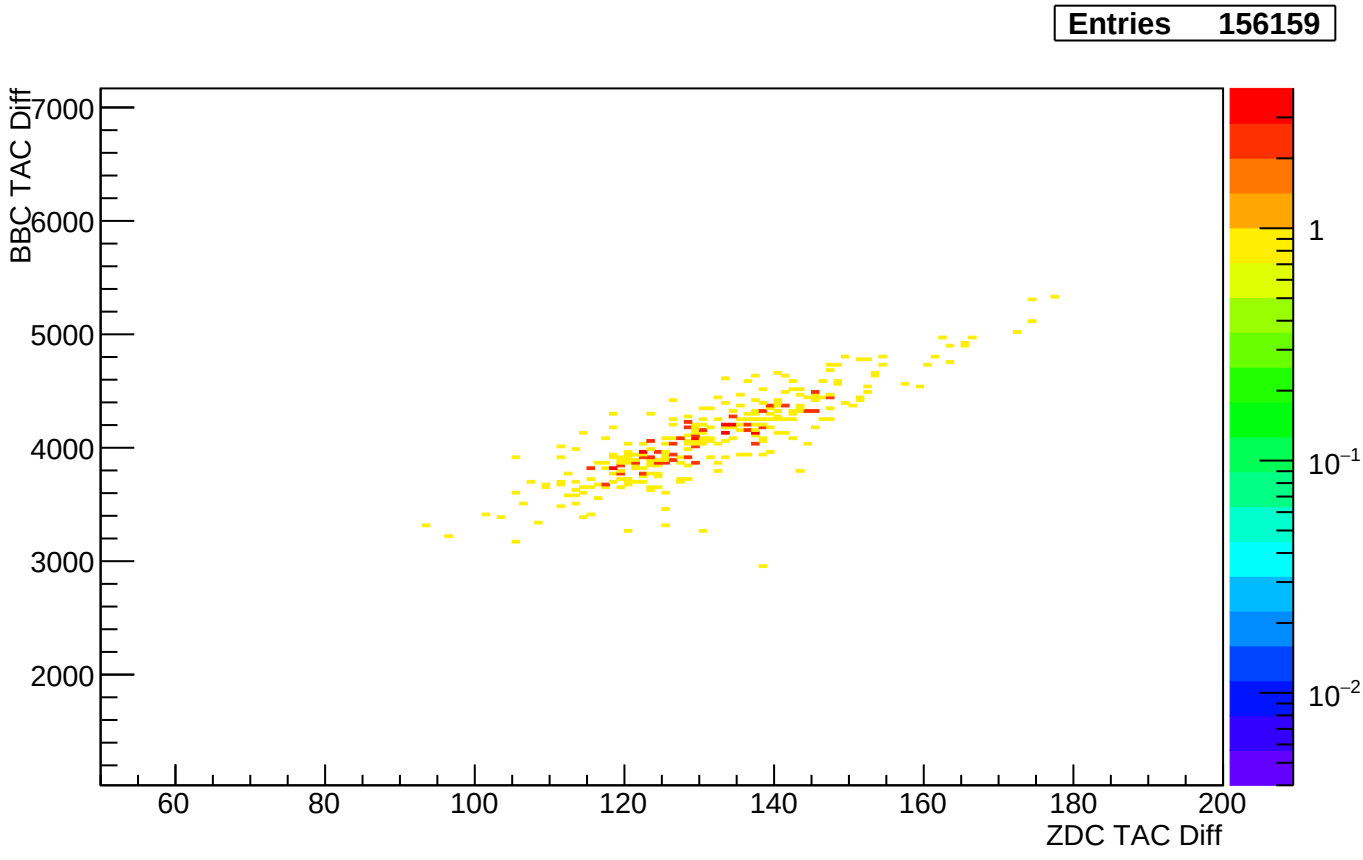

Entries 156159
TOF_Mult
EPD-West Hit Cnt

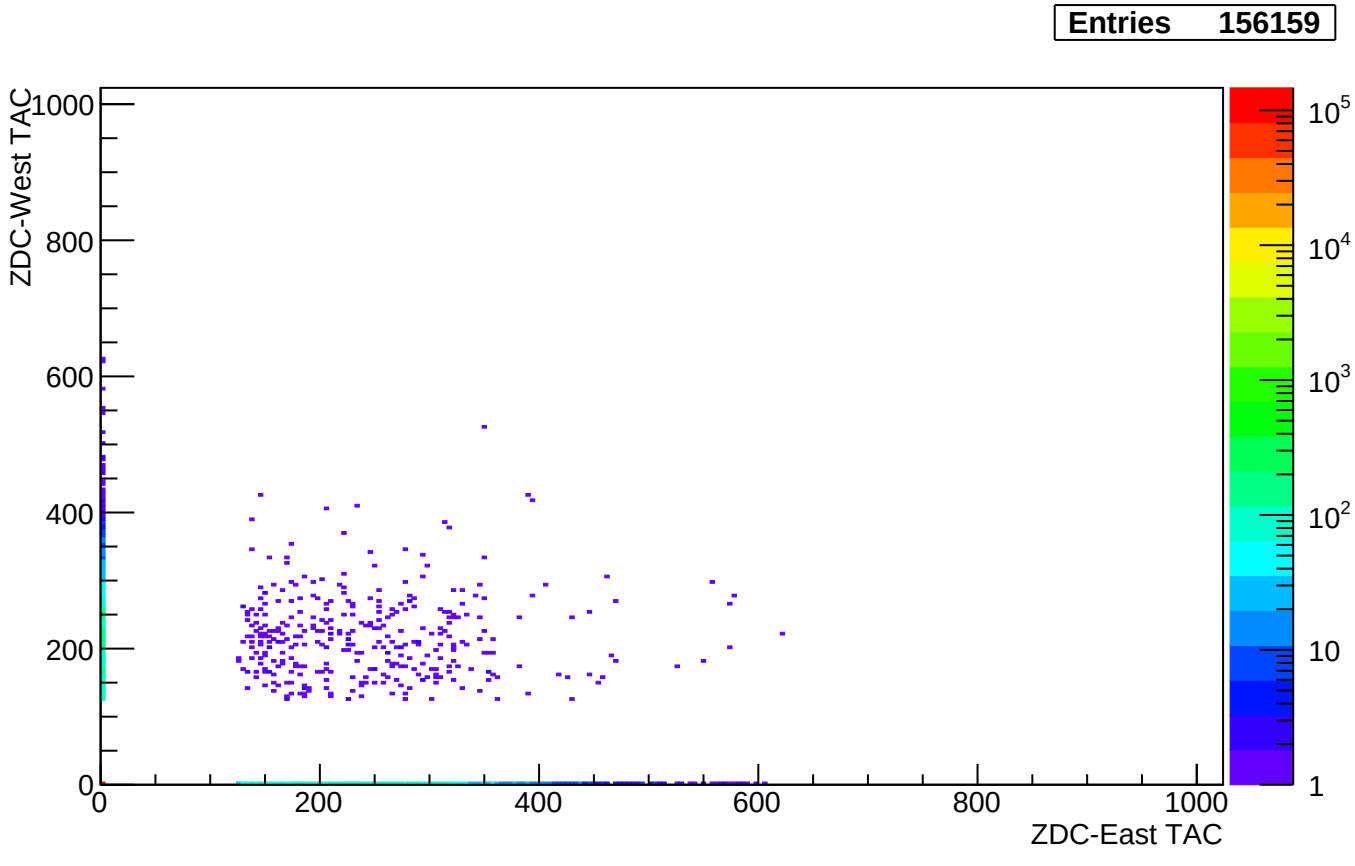

Entries 156159
TOF_Mult
VPD-East ADC Sum

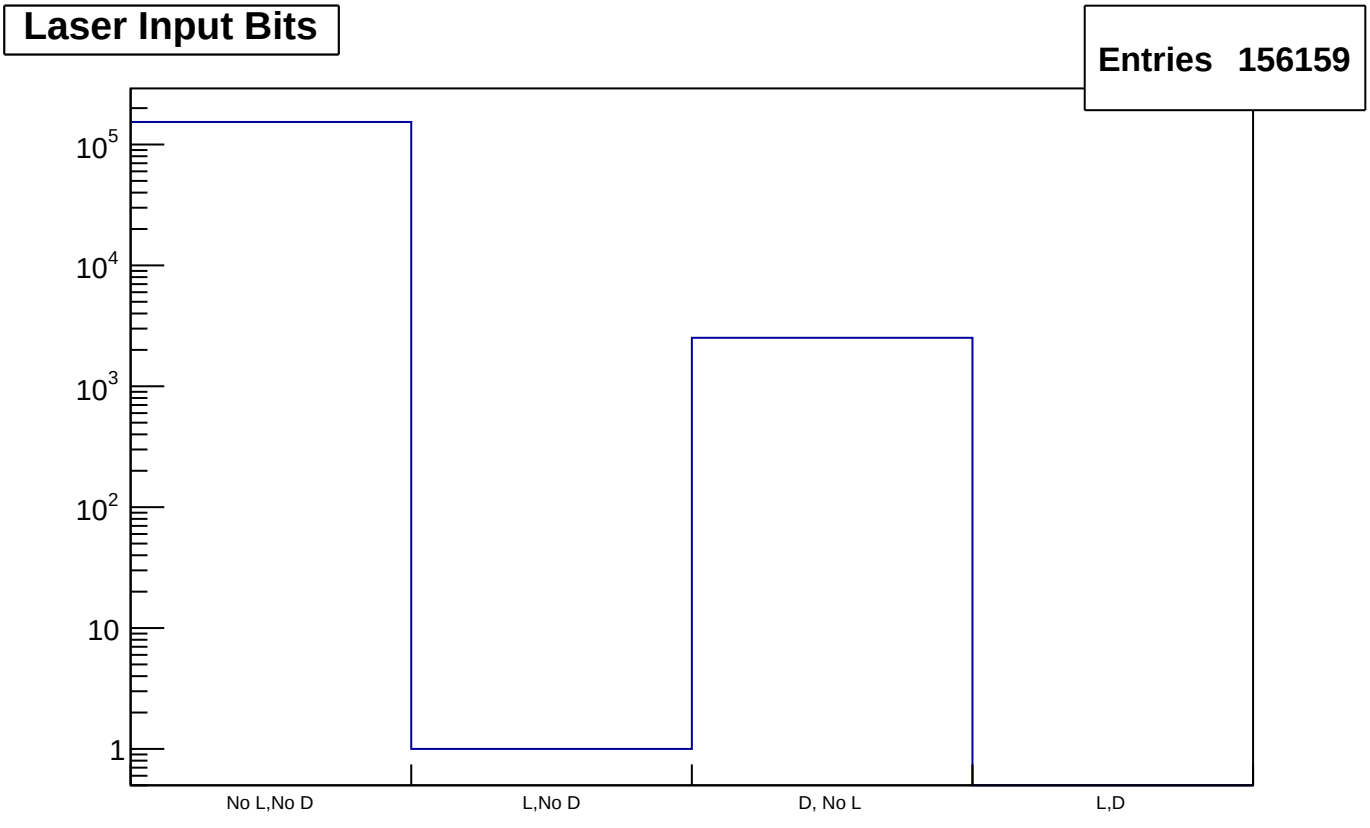

Entries 156159
TOF_Mult
VPD-West ADC Sum

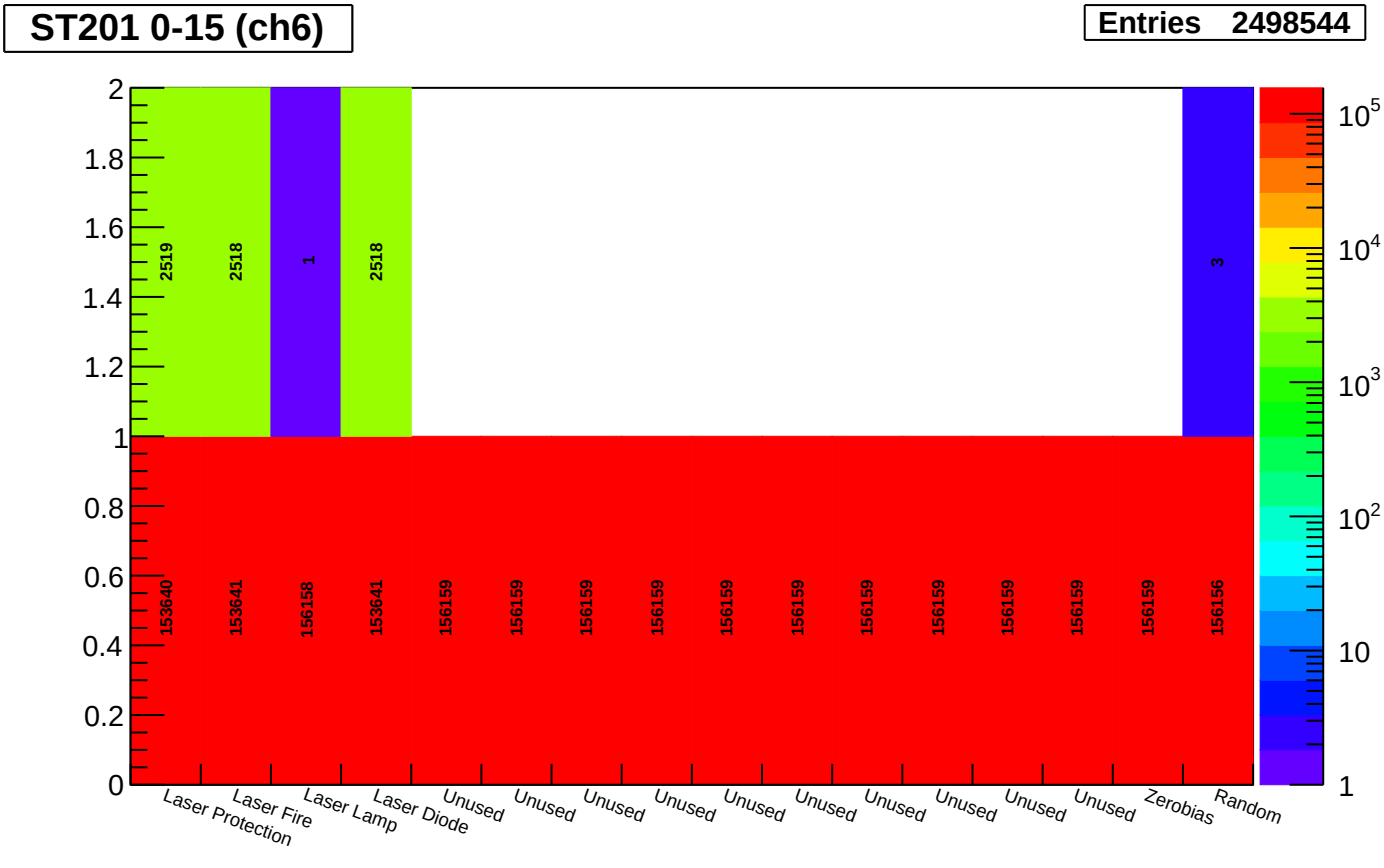

Entries 156159
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

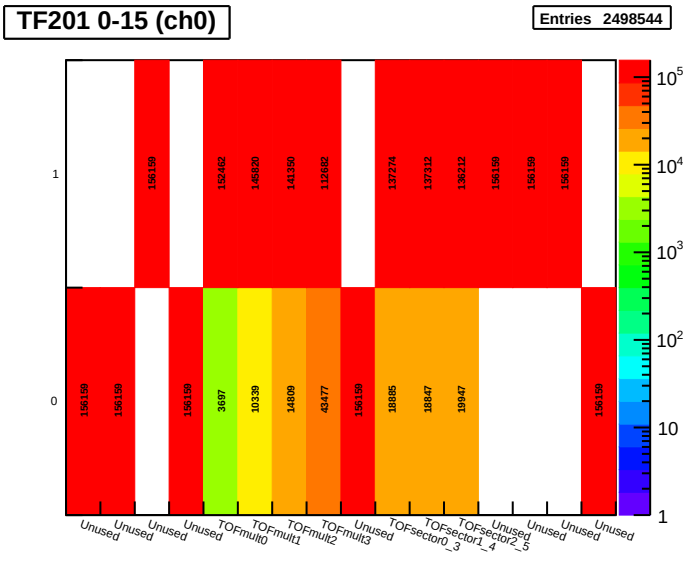

Entries 156159
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

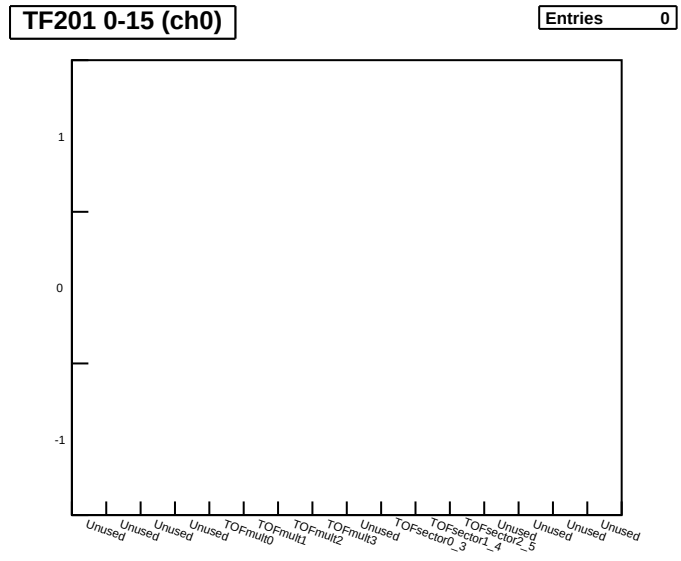

Entries 156159
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

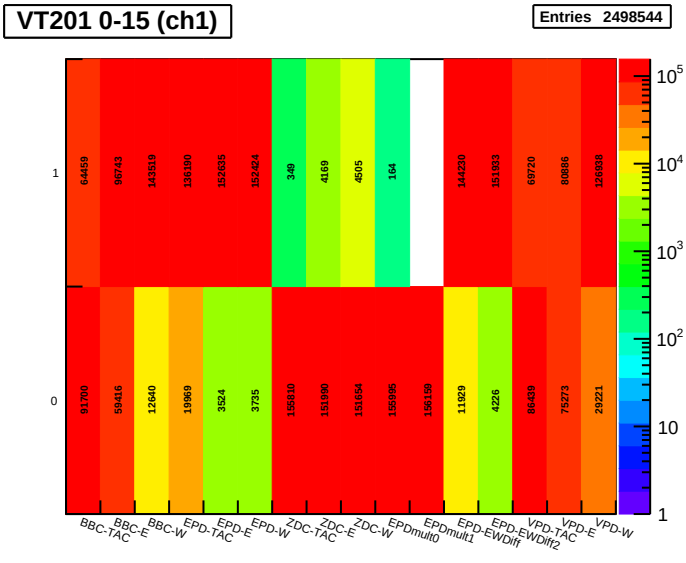

Entries 156159
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

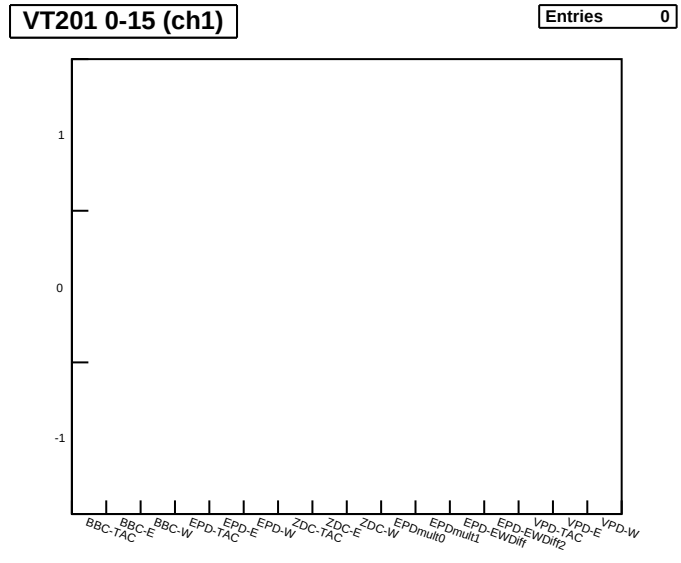

Laser Input Bits
Entries 156159
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

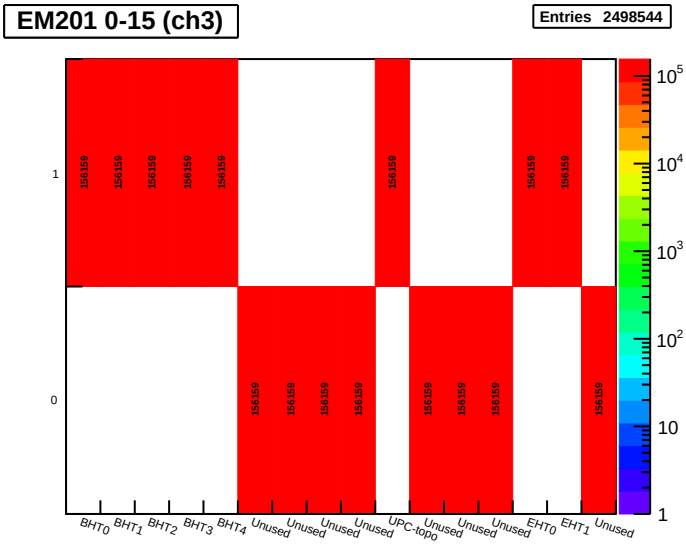

ST201 0-15 (ch6)
Entries 2498544
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
2519
2518
1
2518
3
153640
153641
156158
153641
156159
156159
156159
156159
156159
156159
156159
156159
156159
156159
156159
156156
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

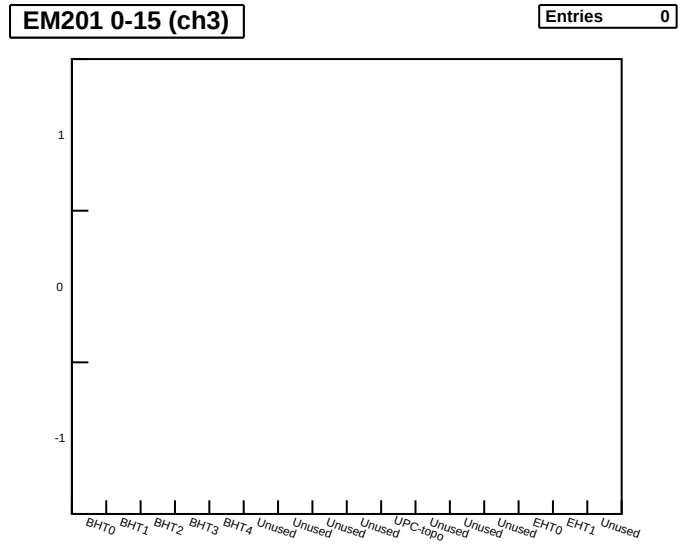

TF201 0-15 (ch0)
Entries 2498544
1
0
156159 156159 156159 156159 156159 152462 145820 141350 112682 137274 137312 136212 156159 156159 156159
156159 156159 156159 3697 10339 14809 43477 156159 18885 18847 19947 156159
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 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 2498544
1
0
64459 95743 143519 136190 152635 152424 349 4169 4505 164 144230 151933 69720 80886 126938
91700 59416 12640 19969 3524 3735 156810 153990 151654 155995 156159 11929 4226 86439 75273 29221
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 2498544
1
0
156159 156159 156159 156159 156159 156159 156159 156159 156159
156159 156159 156159 156159 156159 156159 156159 156159
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