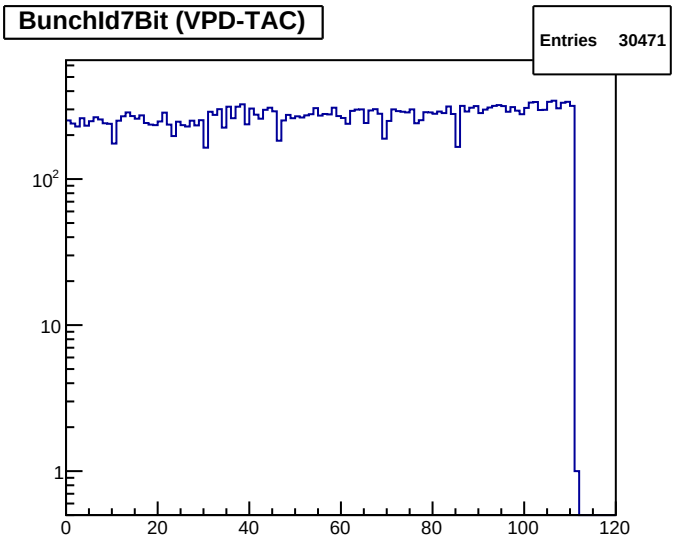
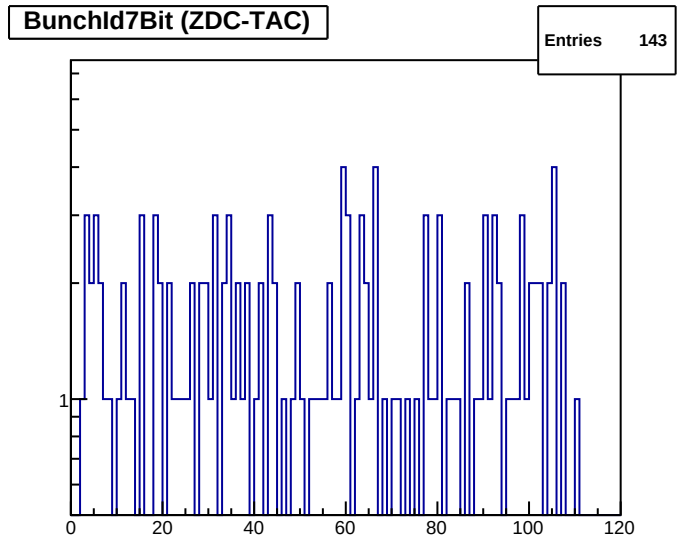
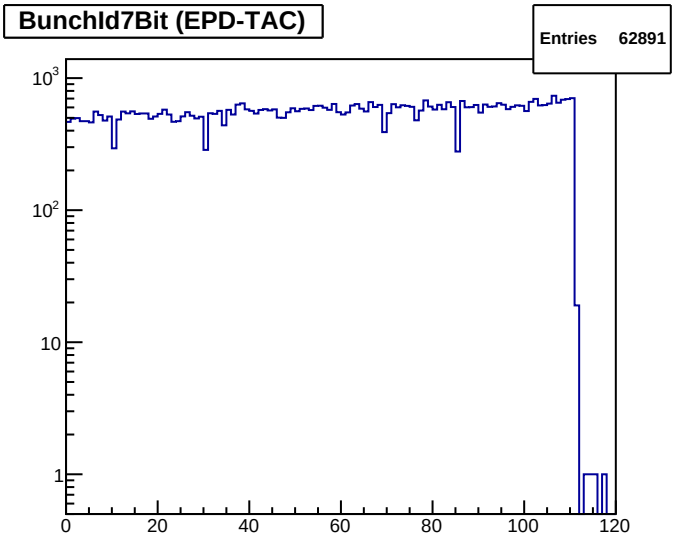
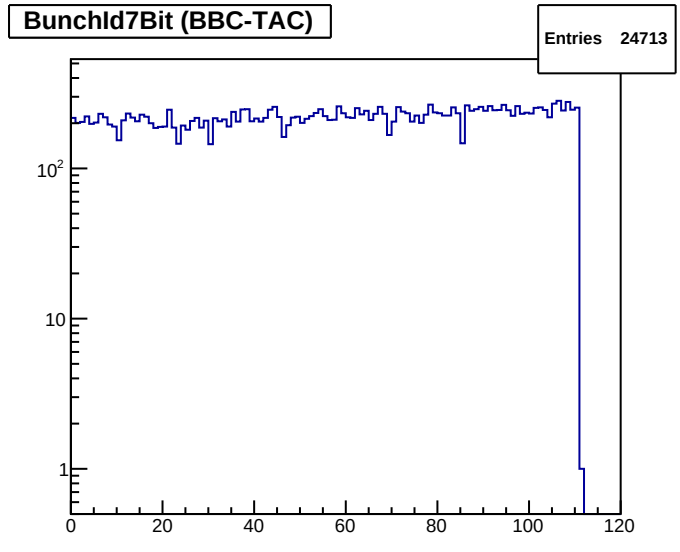
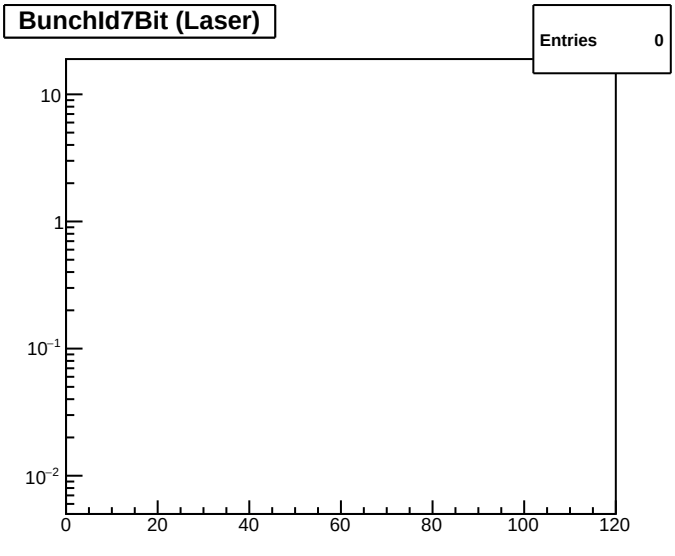
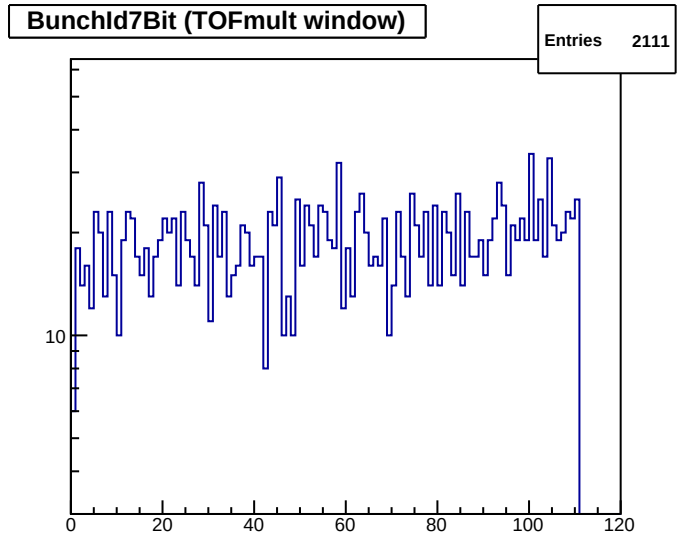

BunchId7Bit (VPD-TAC)
Entries 30471
10^2
10
1
0
20
40
60
80
100
120

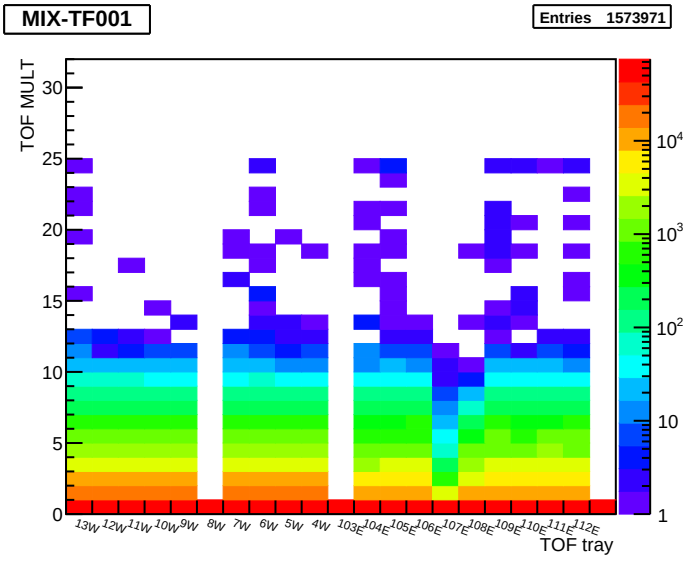

BunchId7Bit (ZDC-TAC)
Entries 143
1
0
20
40
60
80
100
120

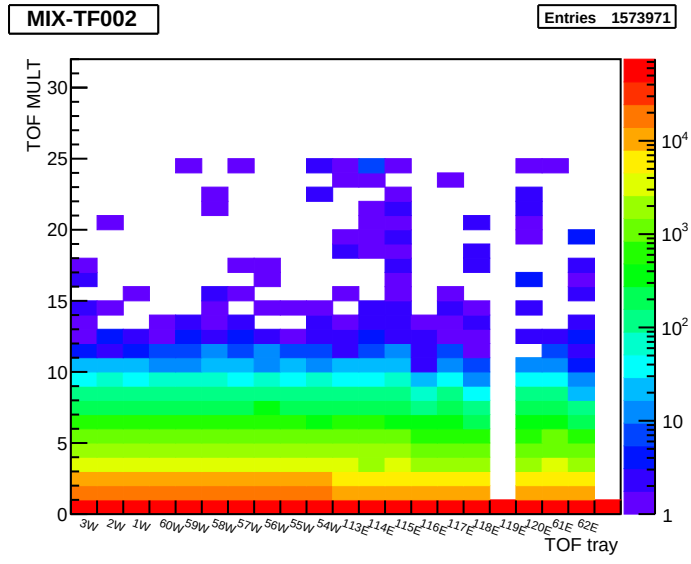

BunchId7Bit (EPD-TAC)
Entries 62891
10^3
10^2
10
1
0
20
40
60
80
100
120

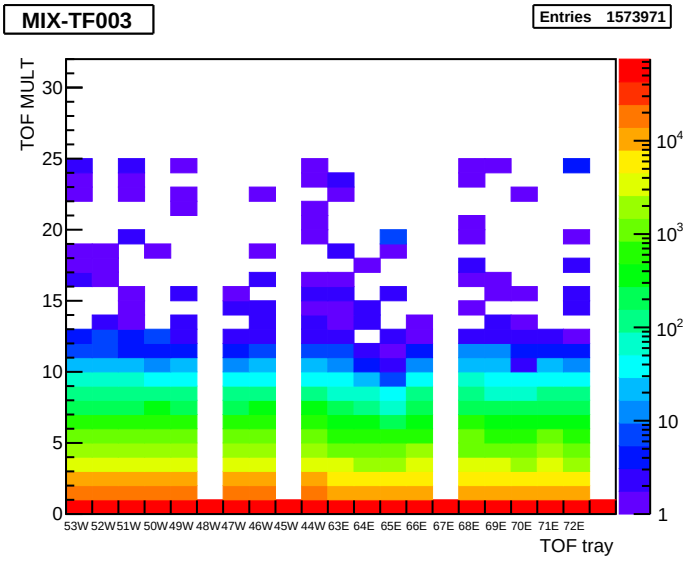

BunchId7Bit (BBC-TAC)
Entries 24713
10^2
10
1
0
20
40
60
80
100
120

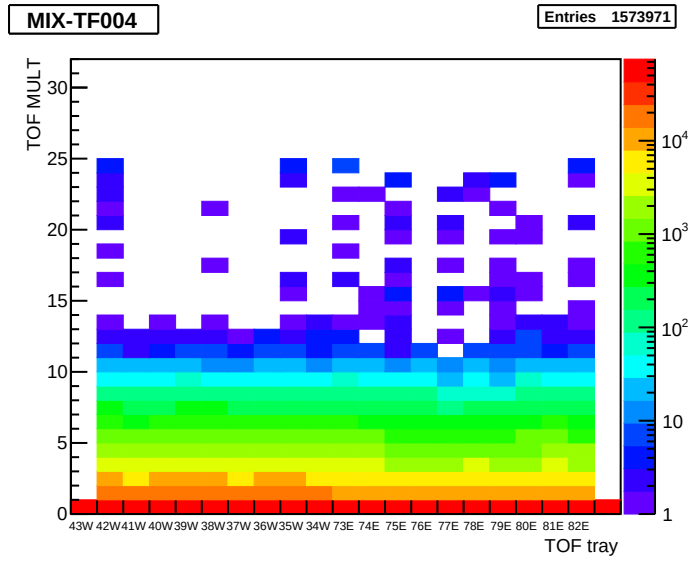

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

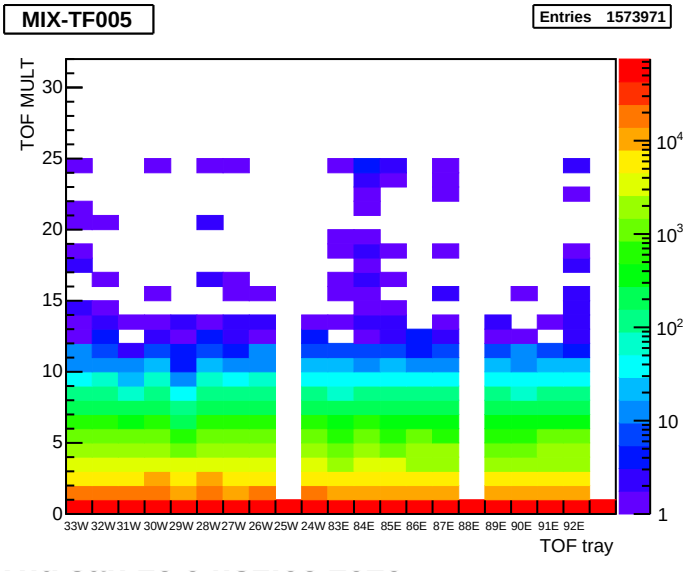

BunchId7Bit (TOFmult window)
Entries 2111
10
0
20
40
60
80
100
120

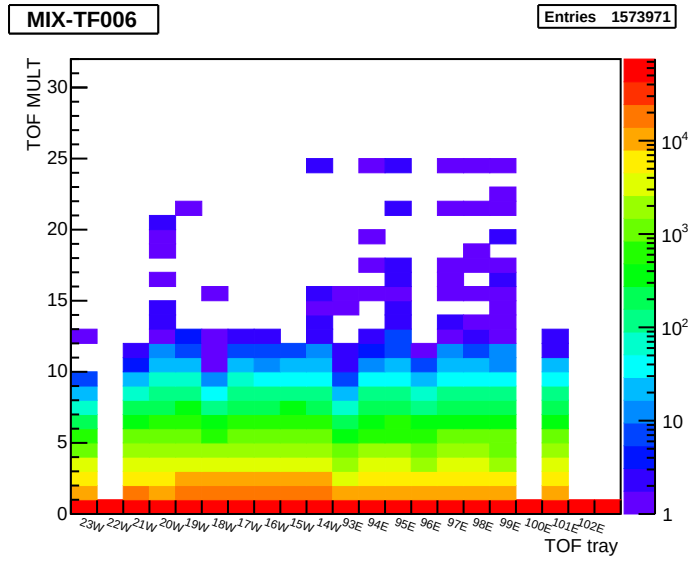

MIX-TF001
Entries 1573971
TOF MULT
TOF tray

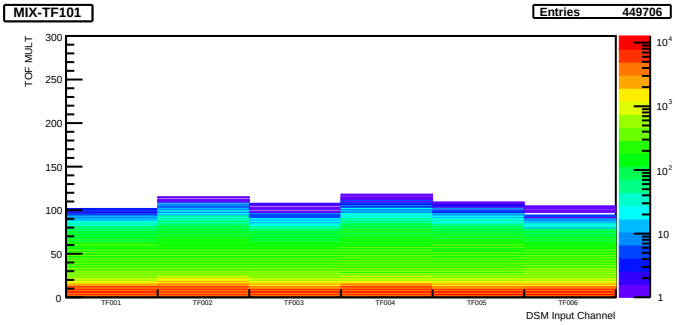

MIX-TF002
Entries 1573971
TOF MULT
TOF tray

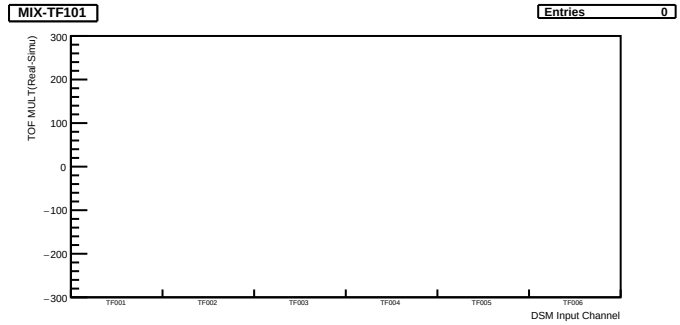

MIX-TF003
Entries 1573971
TOF MULT
TOF tray

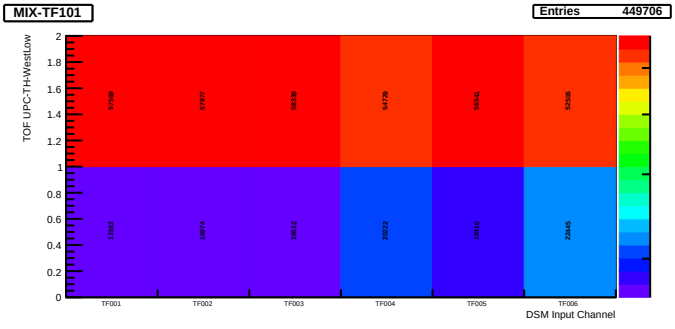

MIX-TF004
Entries 1573971
TOF MULT
TOF tray

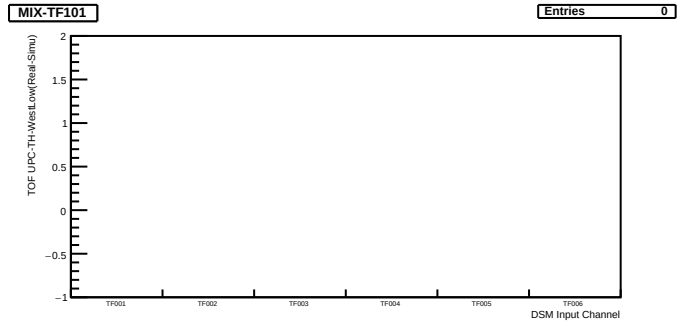

MIX-TF005
Entries 1573971
TOF MULT
TOF tray

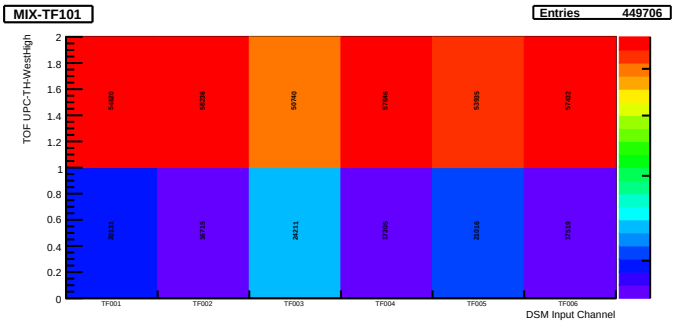

MIX-TF006
Entries 1573971
TOF MULT
TOF tray

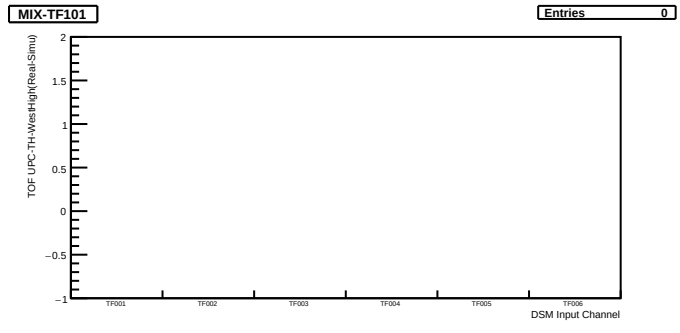

MIX-TF101
Entries 449706
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

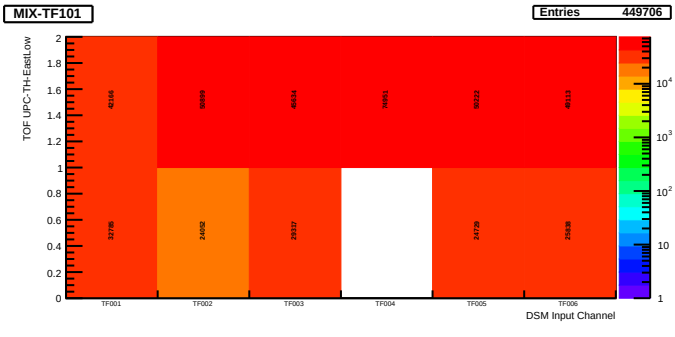

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

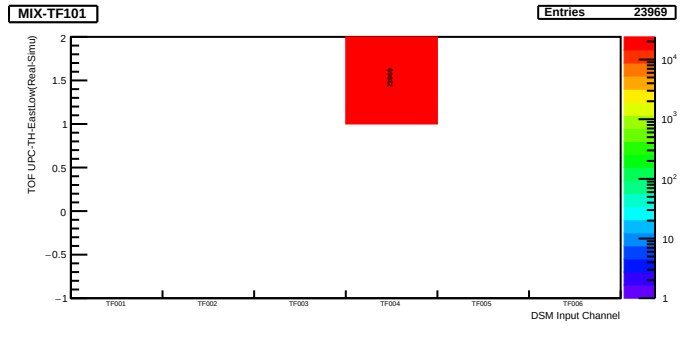

MIX-TF101
Entries 449706
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

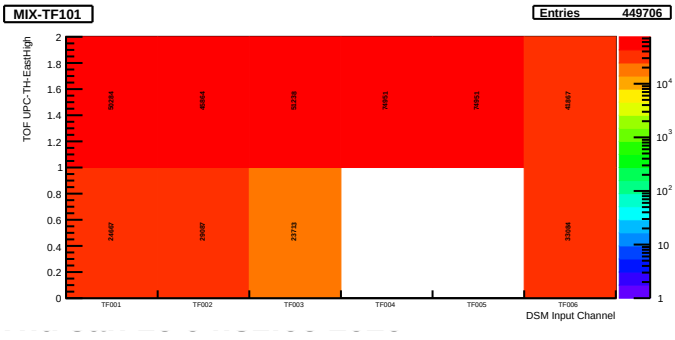

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

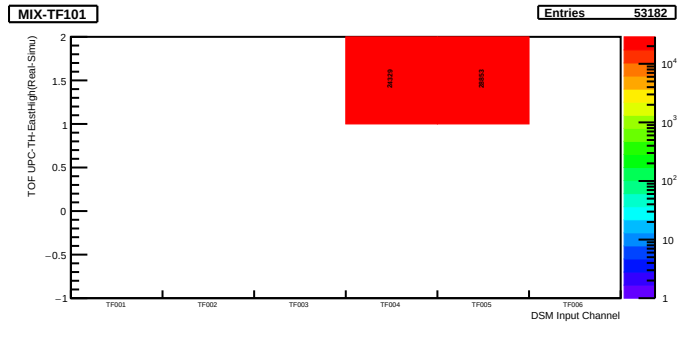

MIX-TF101
Entries 449706
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

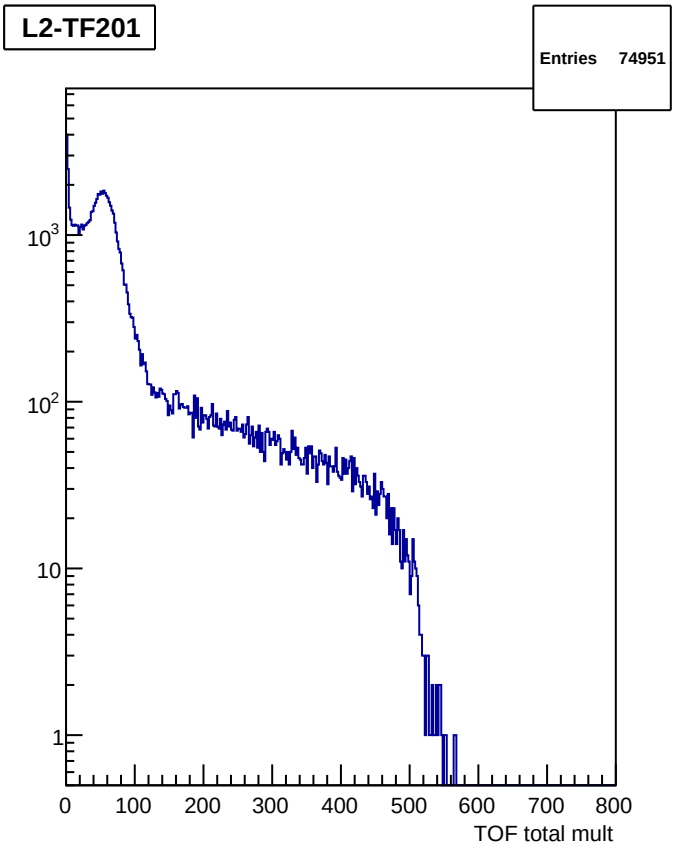

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

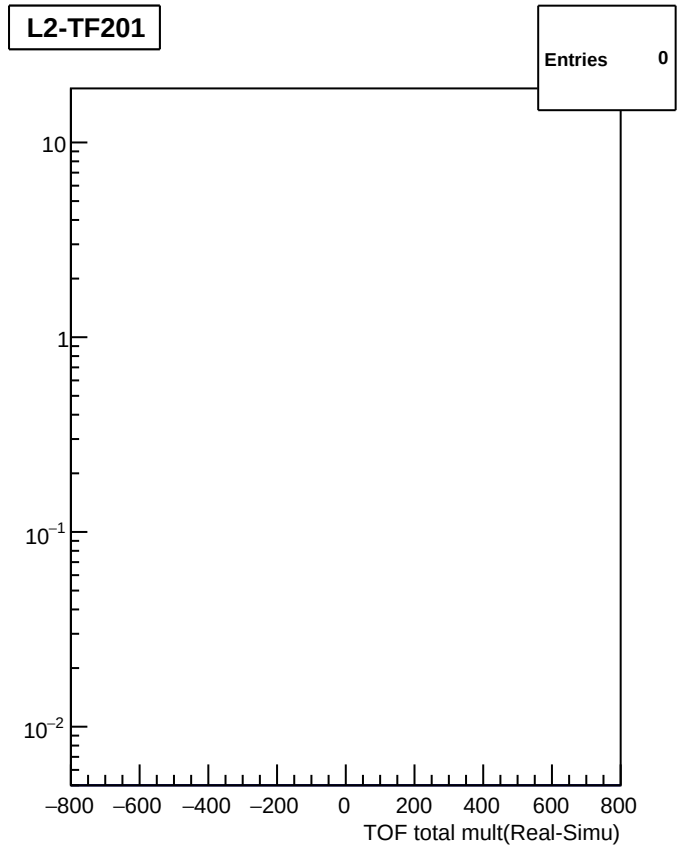

MIX-TF101
Entries 449706
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

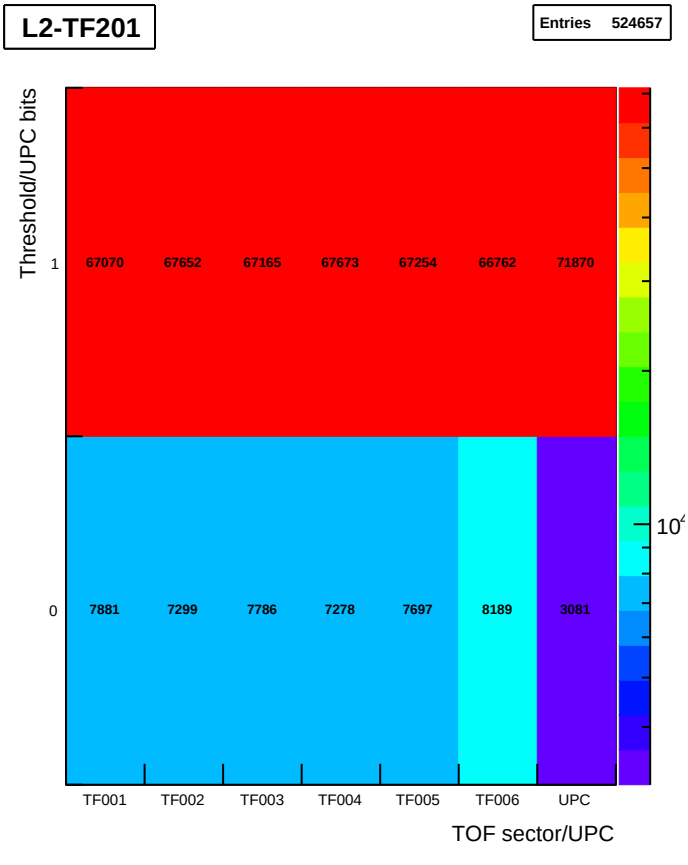

MIX-TF101
Entries 23969
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

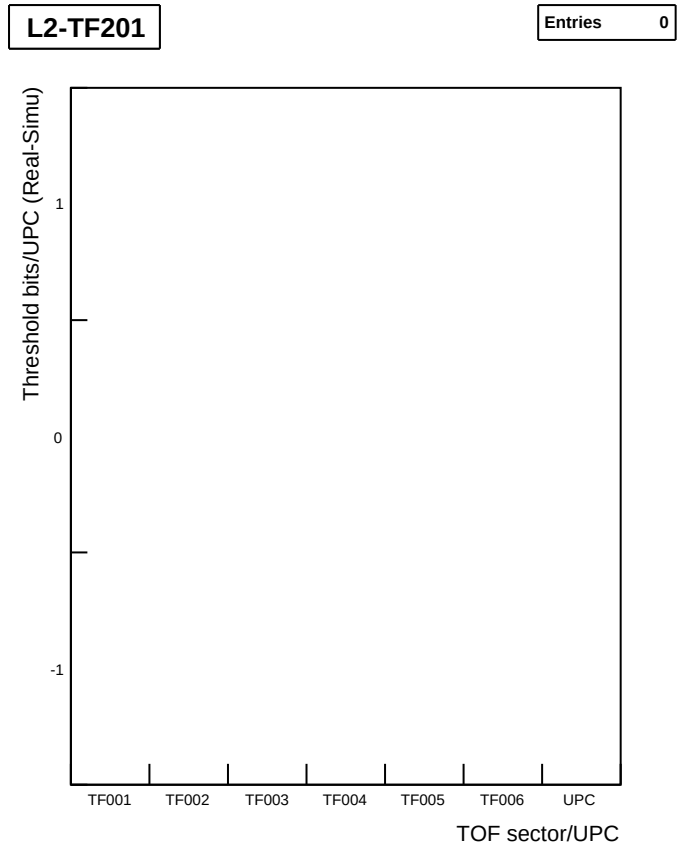

MIX-TF101
Entries 449706
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

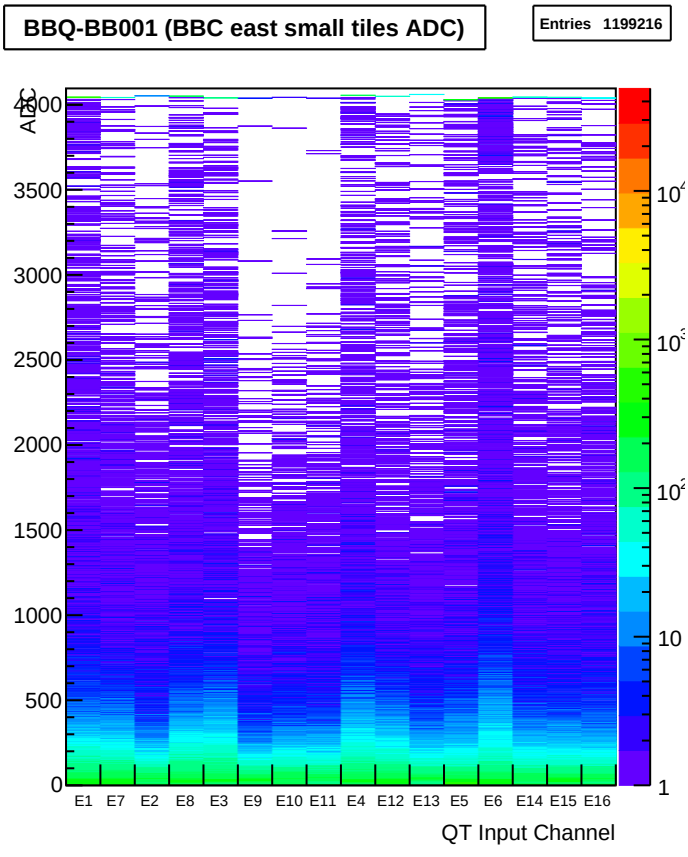

MIX-TF101
Entries 53182
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

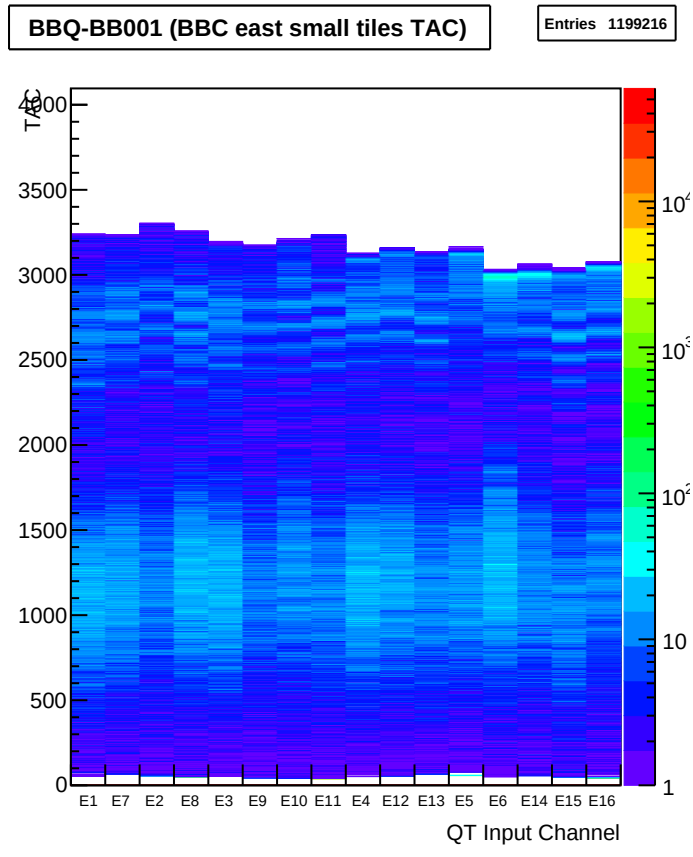

L2-TF201
Entries 74951
TOF total mult

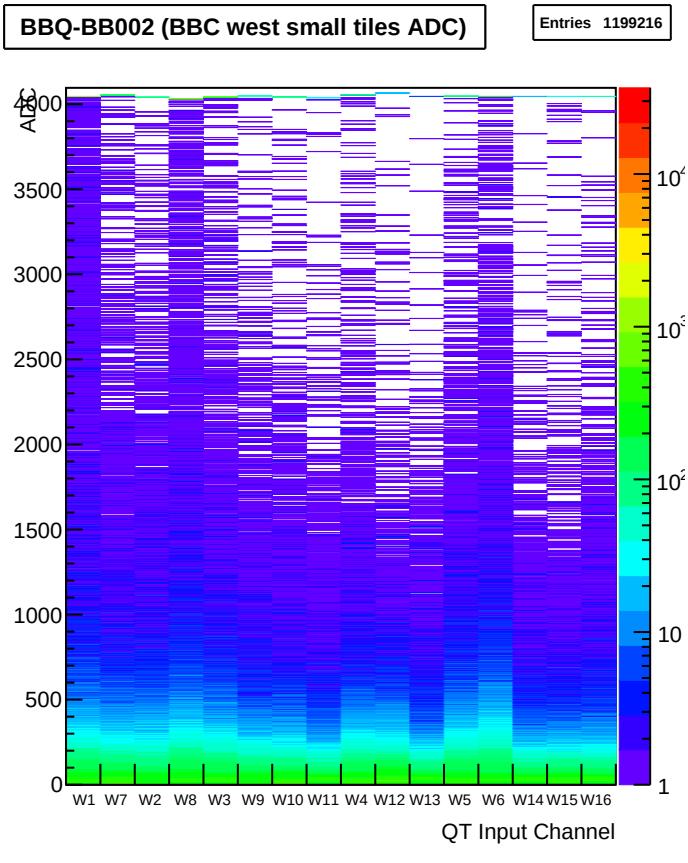

L2-TF201
Entries 0
TOF total mult(Real-Simu)

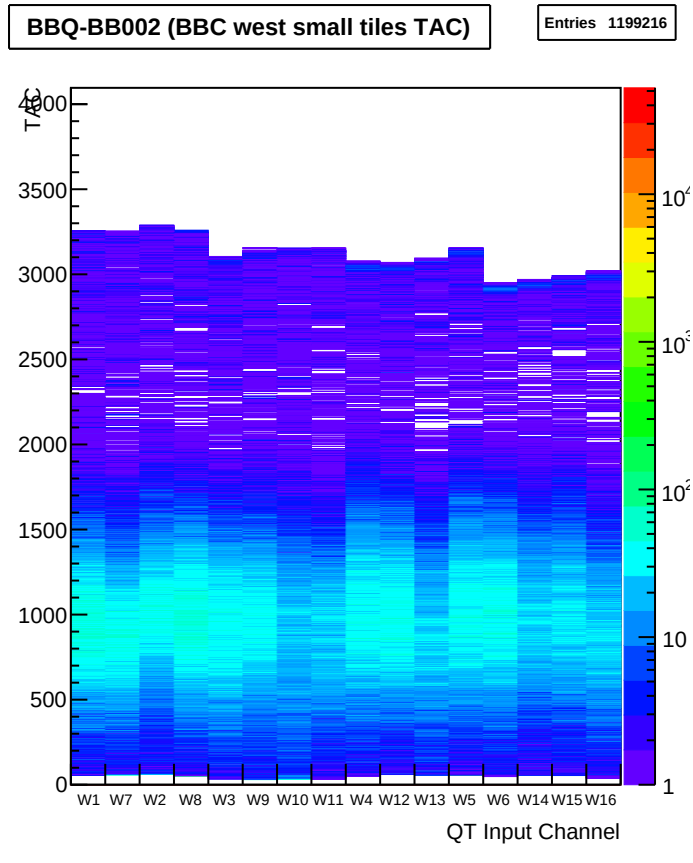

L2-TF201
Entries 524657
Threshold/UPC bits
67070
67652
67165
67673
67254
66762
71870
7881
7299
7786
7278
7697
8189
3081
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

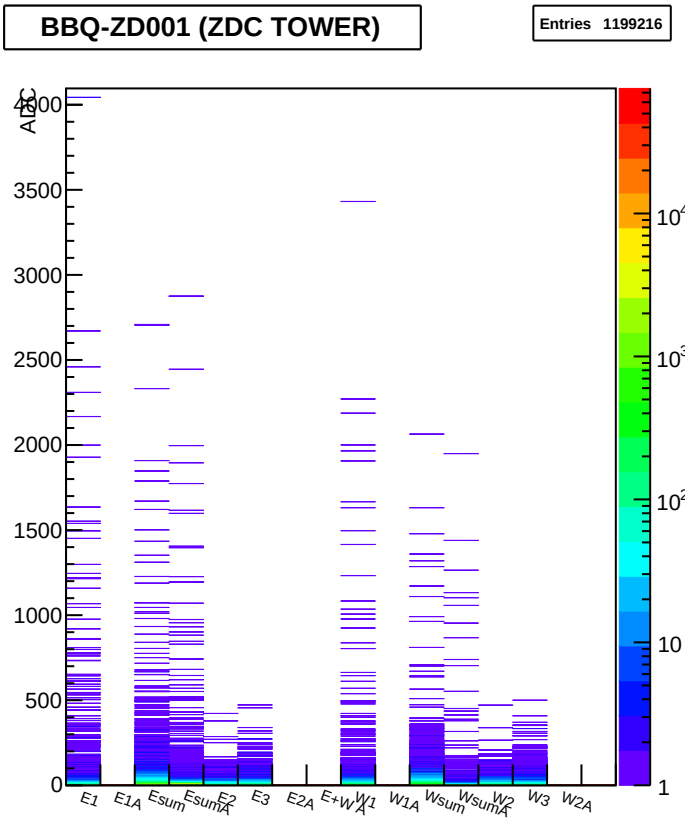

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

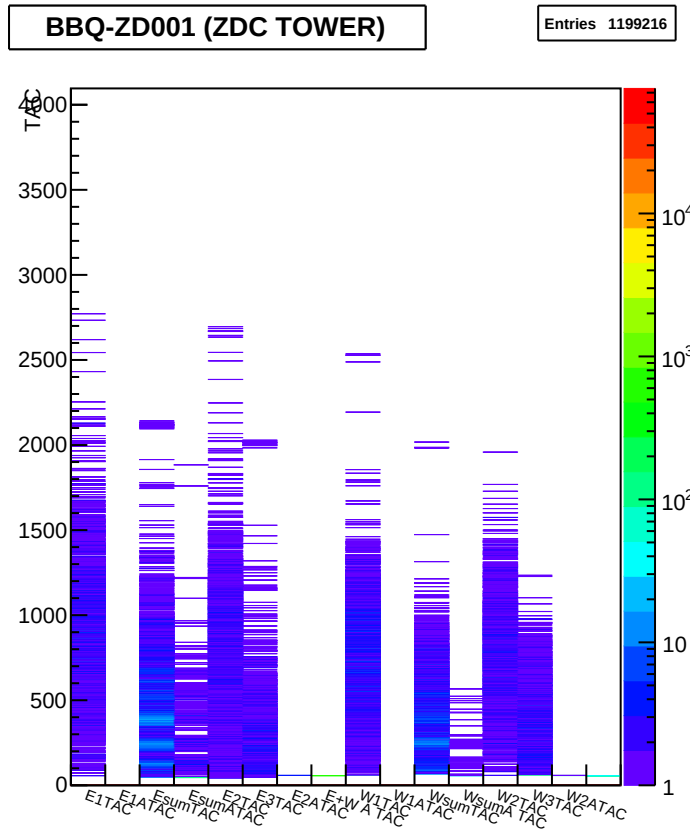

BBQ-BB001 (BBC east small tiles ADC)
Entries 1199216
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

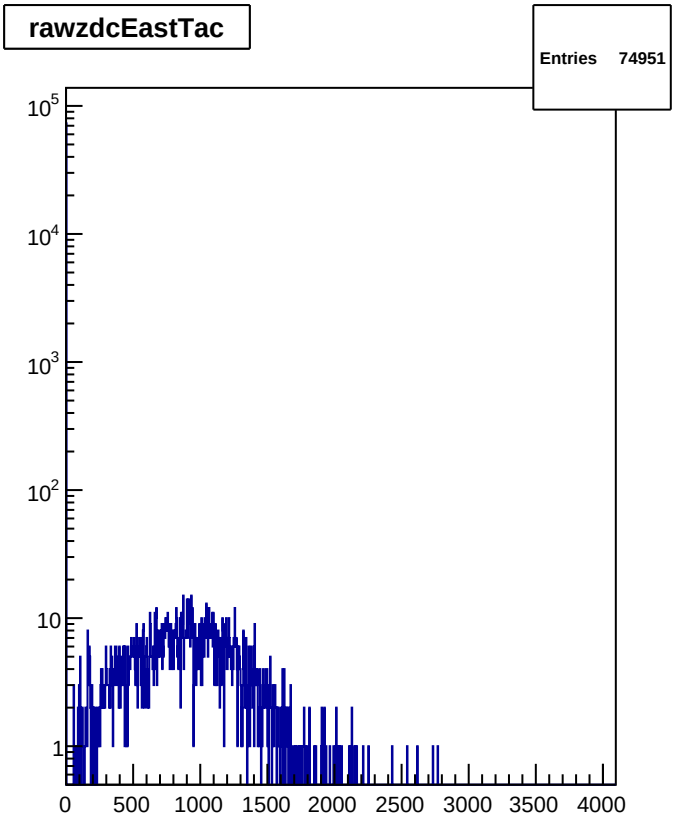

BBQ-BB001 (BBC east small tiles TAC)
Entries 1199216
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

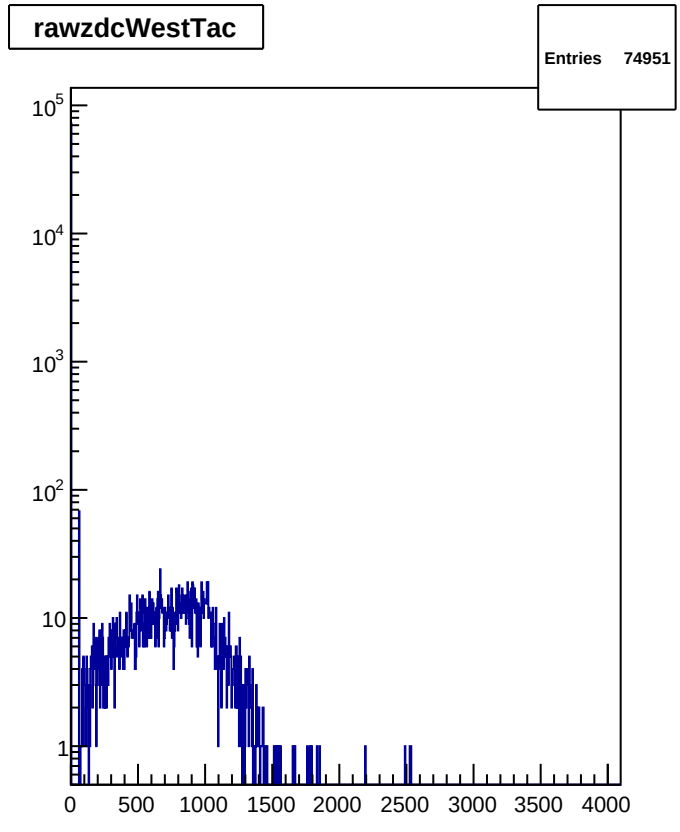

BBQ-BB002 (BBC west small tiles ADC)
Entries 1199216
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

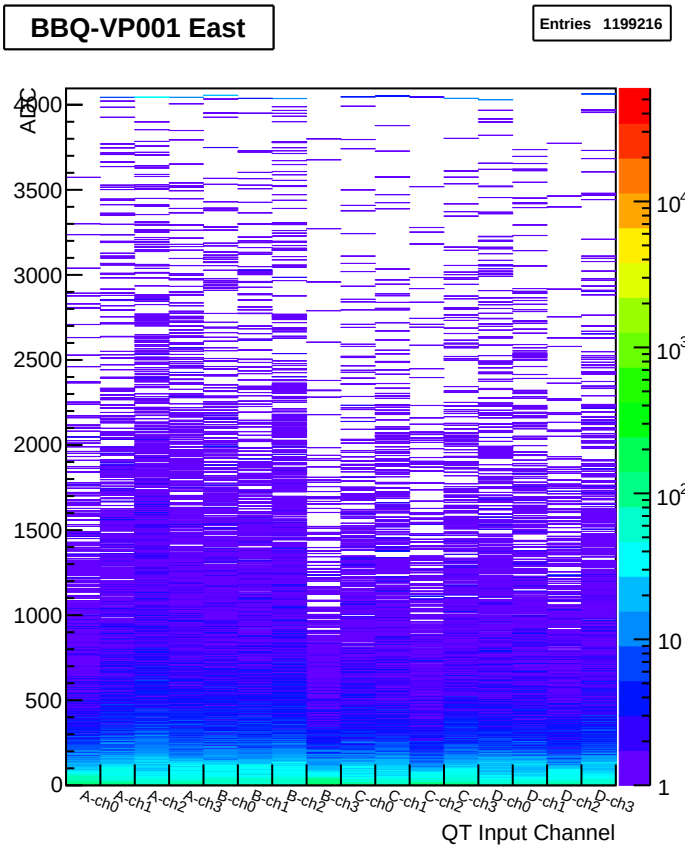

BBQ-BB002 (BBC west small tiles TAC)
Entries 1199216
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

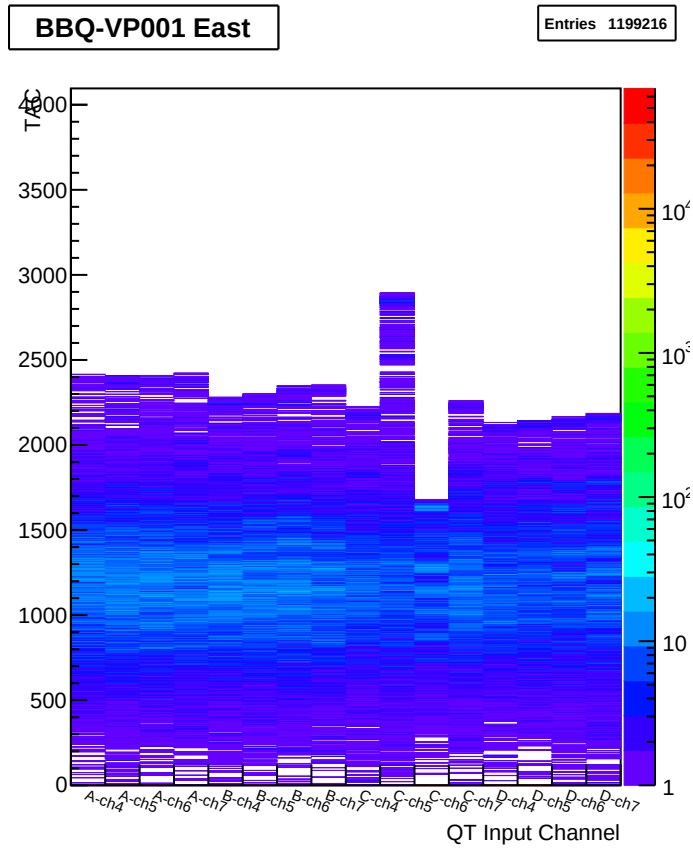

BBQ-ZD001 (ZDC TOWER)
Entries 1199216
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

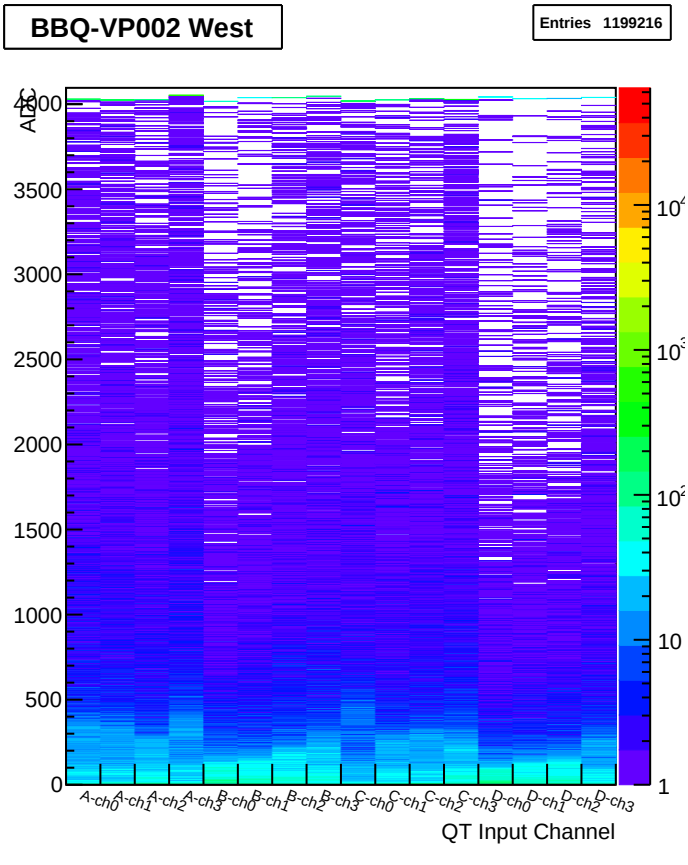

BBQ-ZD001 (ZDC TOWER)
Entries 1199216
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

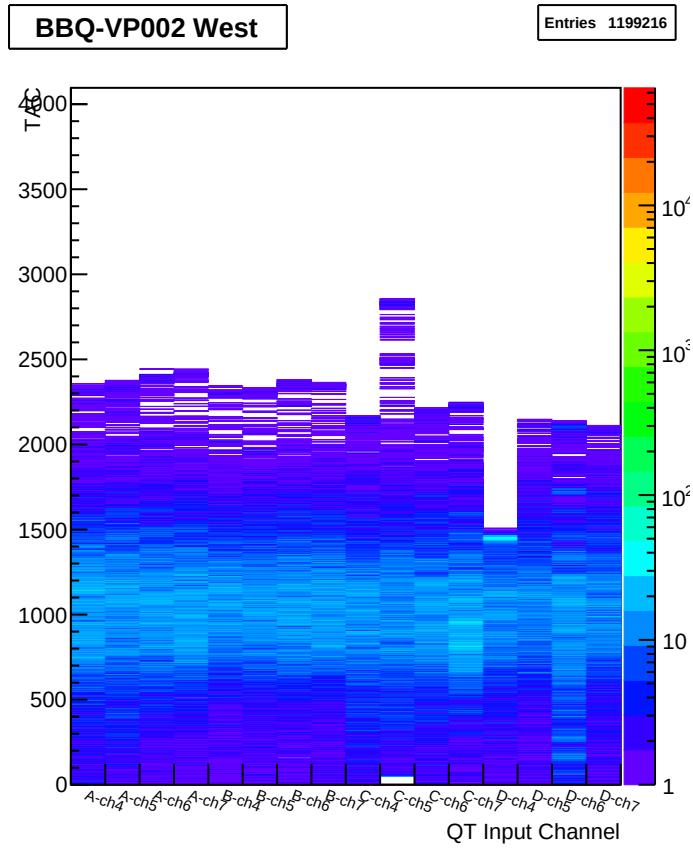

rawzdcEastTac
Entries 74951

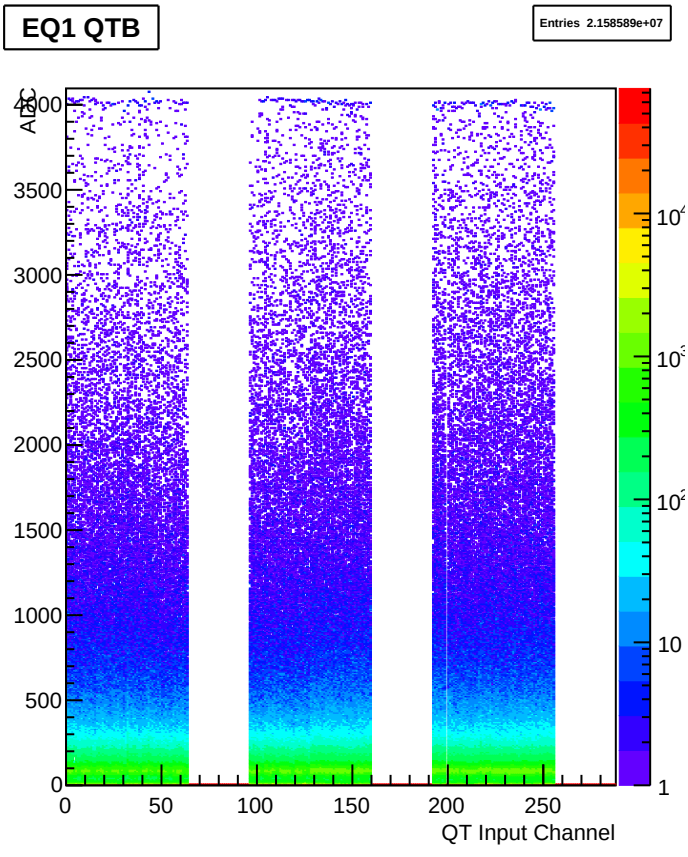

rawzdcWestTac
Entries 74951

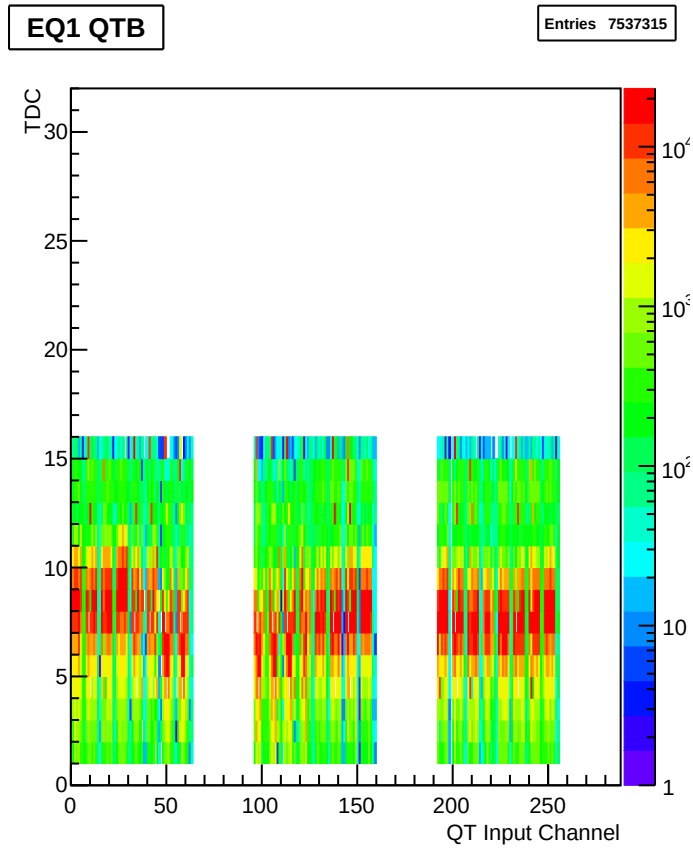

BBQ-VP001 East
Entries 1199216
ADC
QT Input Channel

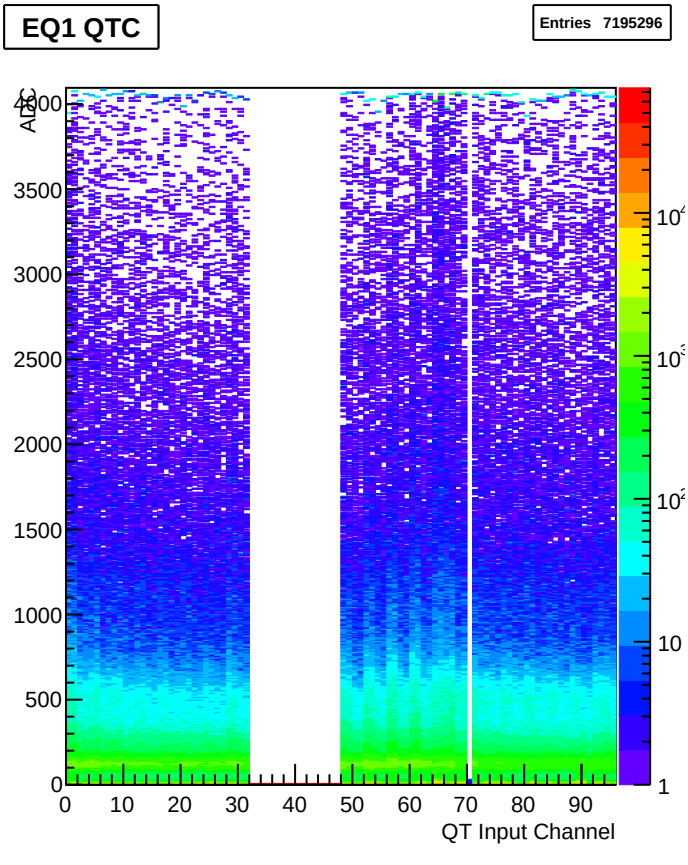

BBQ-VP001 East
Entries 1199216
TADC
QT Input Channel

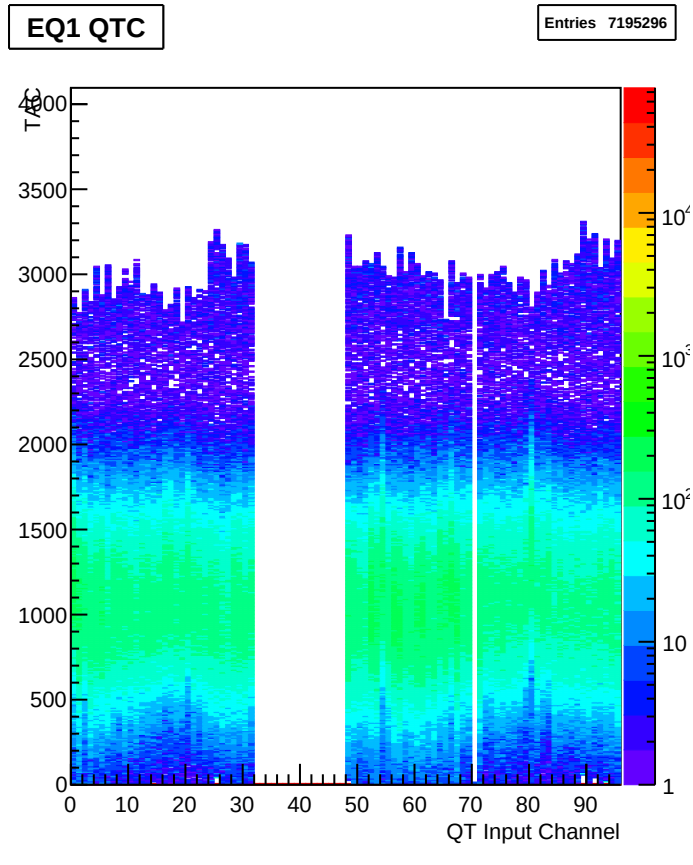

BBQ-VP002 West
Entries 1199216
ADC
QT Input Channel

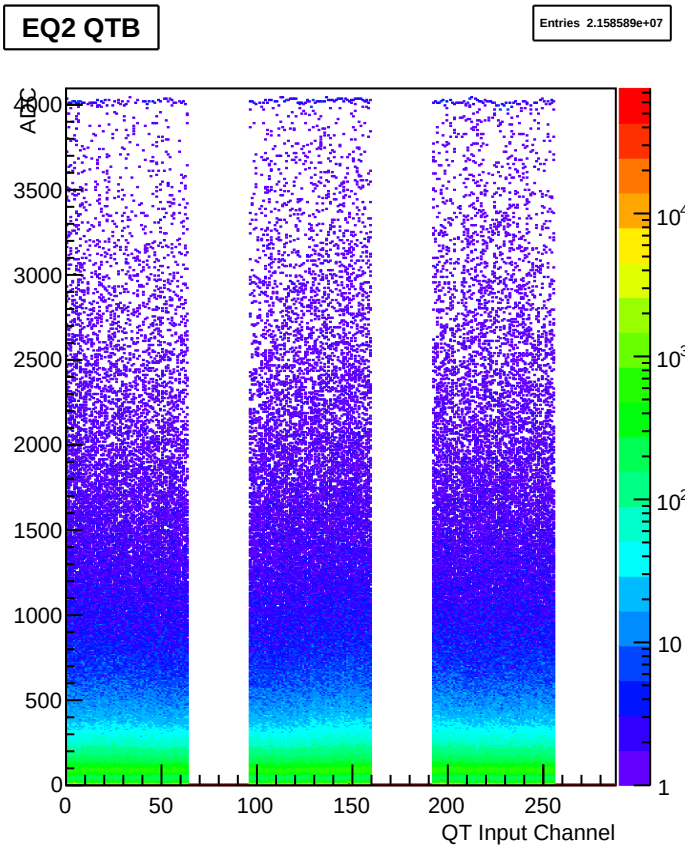

BBQ-VP002 West
Entries 1199216
TADC
QT Input Channel

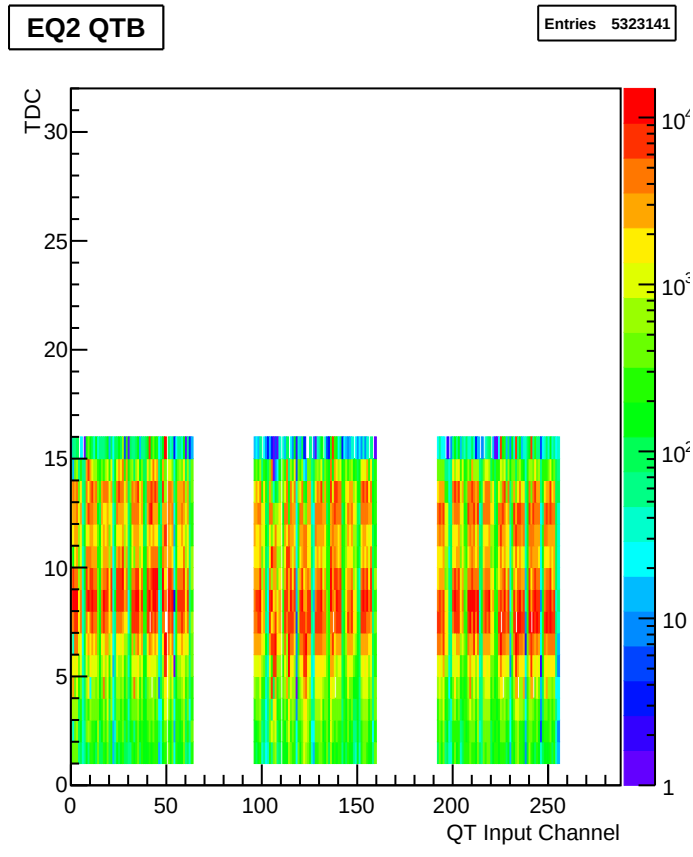

EQ1 QTB
Entries 2.158589e+07
ADC
QT Input Channel

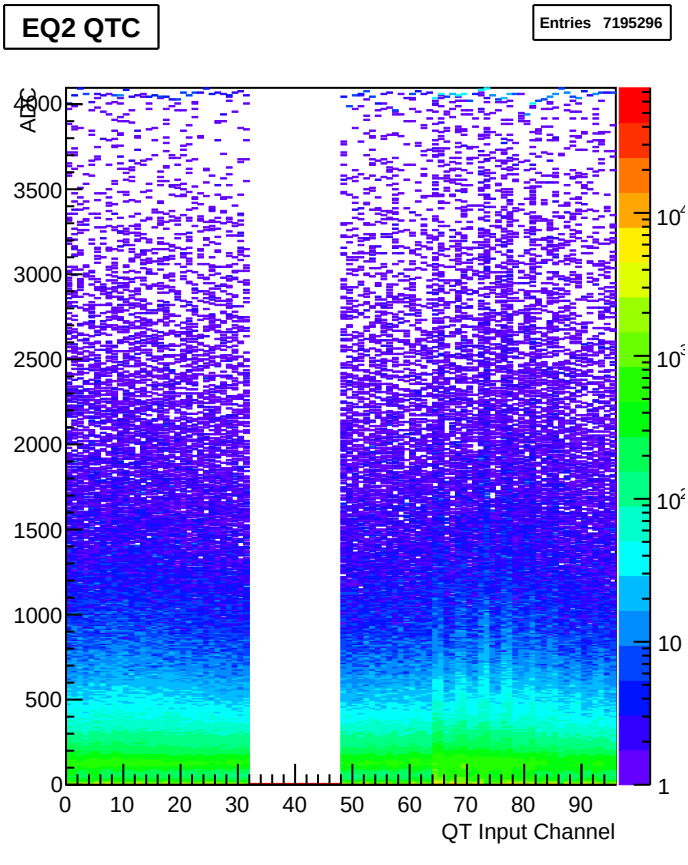

EQ1 QTB
Entries 7537315
TDC
QT Input Channel

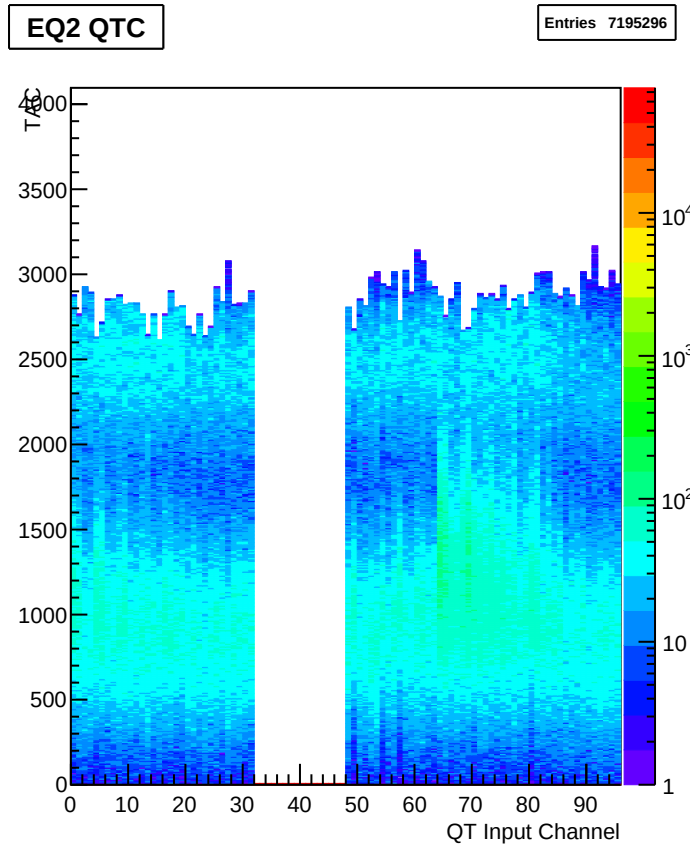

EQ1 QTC
Entries 7195296
ADC
QT Input Channel

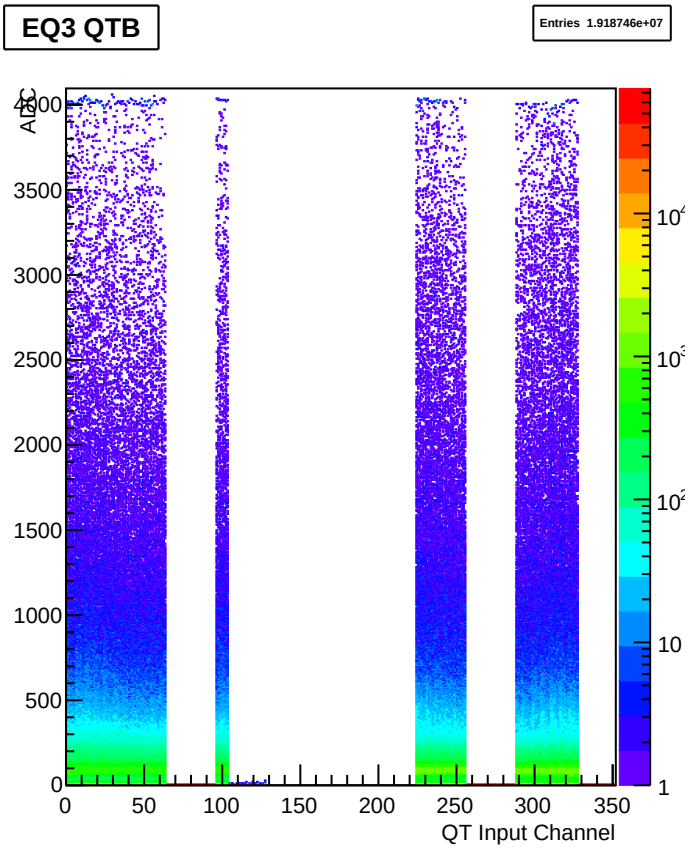

EQ1 QTC
Entries 7195296
TADC
QT Input Channel

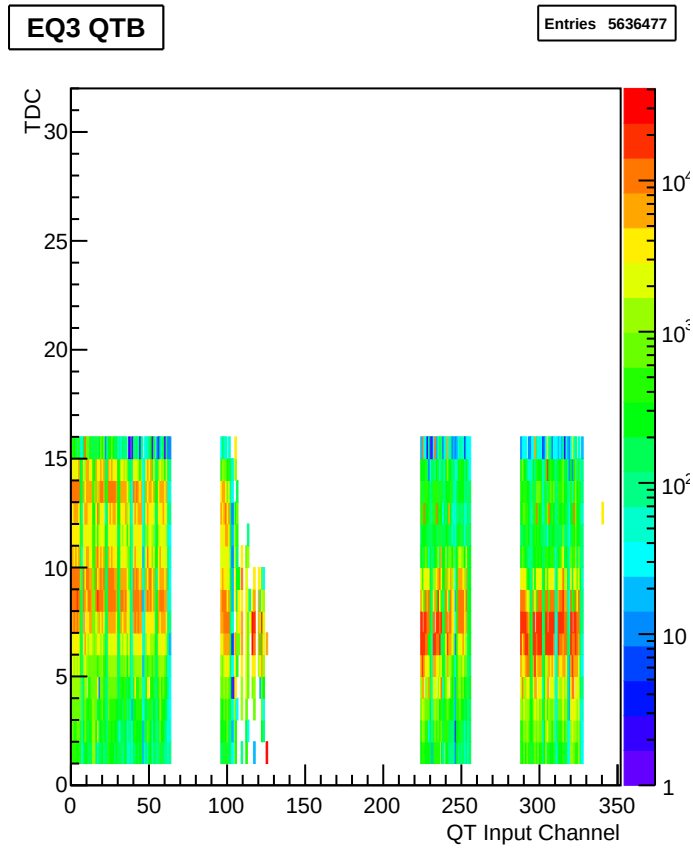

EQ2 QTB
Entries 2.158589e+07
ADC
QT Input Channel

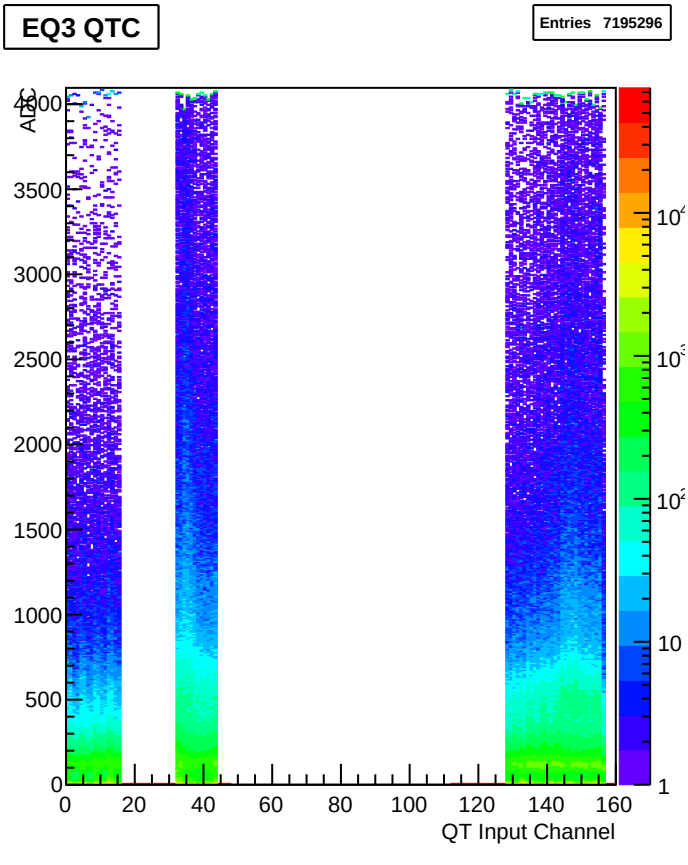

EQ2 QTB
Entries 5323141
TDC
QT Input Channel

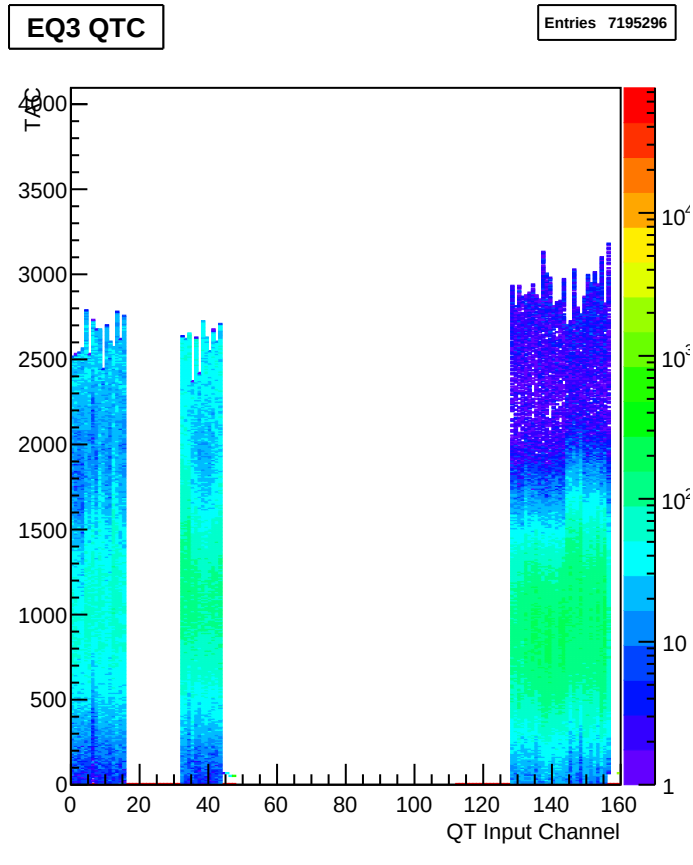

EQ2 QTC
Entries 7195296
ADC
QT Input Channel

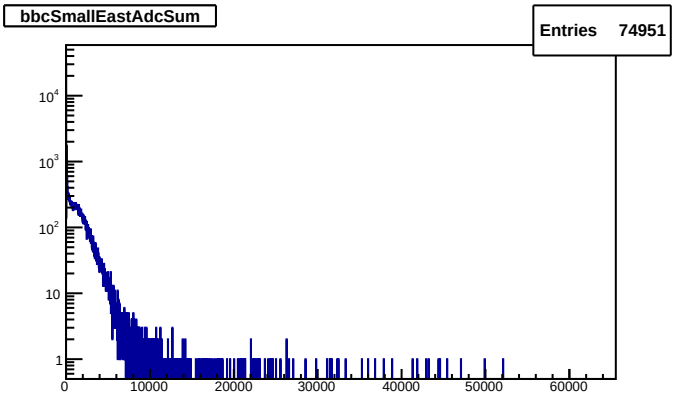

EQ2 QTC
Entries 7195296
TADC
QT Input Channel

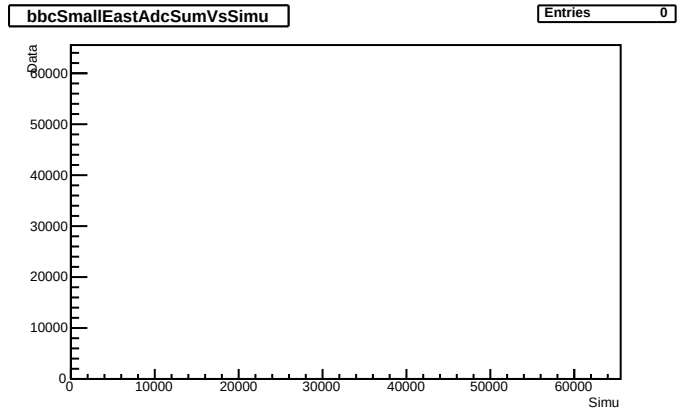

EQ3 QTB
Entries 1.918746e+07
ADC
QT Input Channel

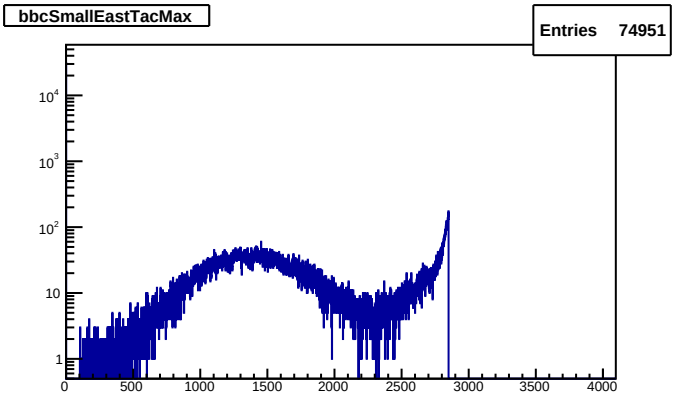

EQ3 QTB
Entries 5636477
TDC
QT Input Channel

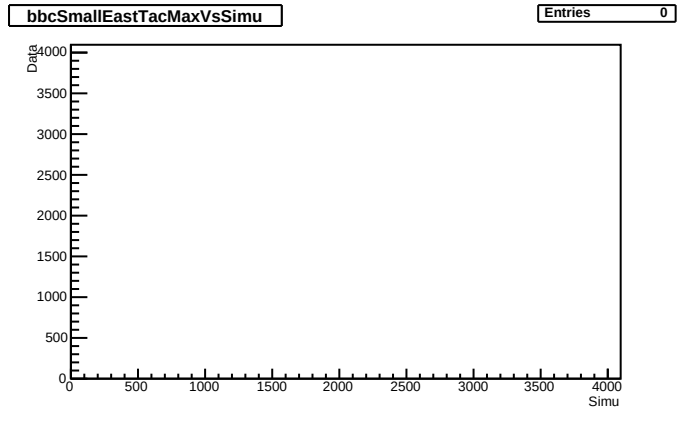

EQ3 QTC
Entries 7195296
ADC
QT Input Channel


EQ3 QTC
Entries 7195296
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 74951


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 74951


bbcSmallEastTacMaxVsSimu
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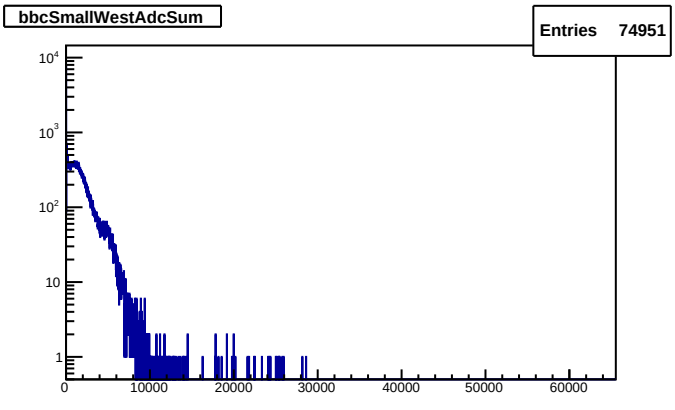
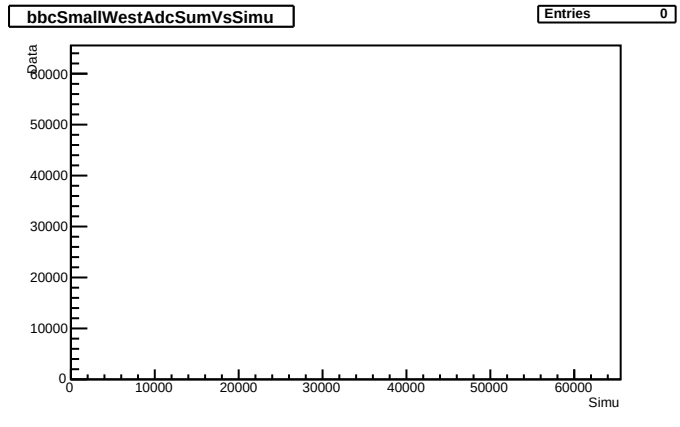
Simu


bbcSmallWestAdcSum
Entries 74951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Entries 0
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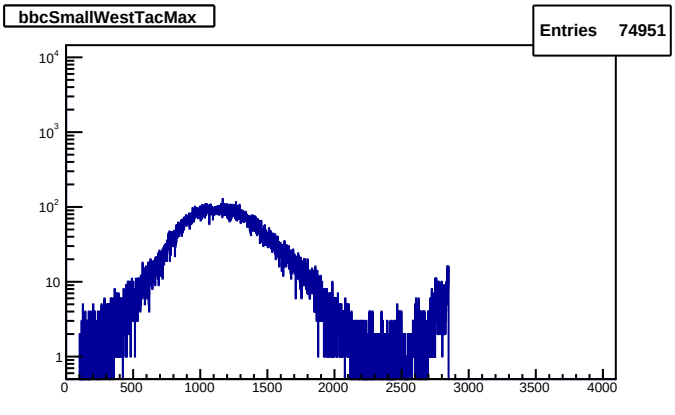
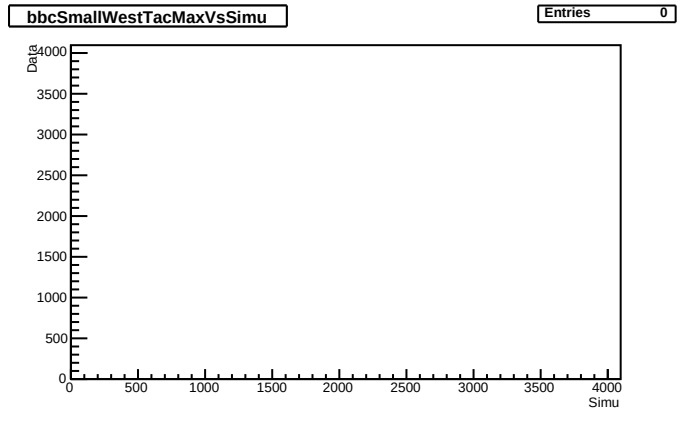
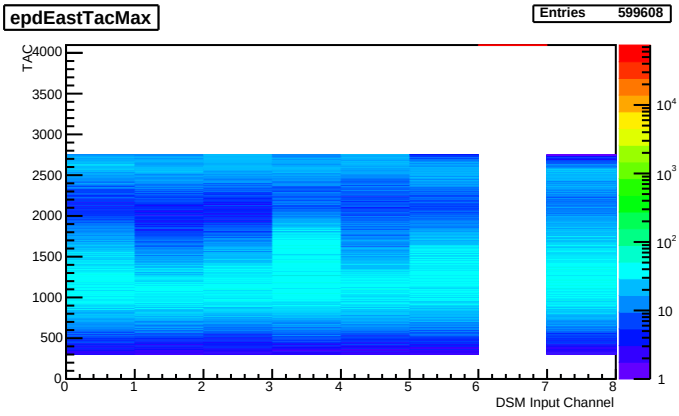
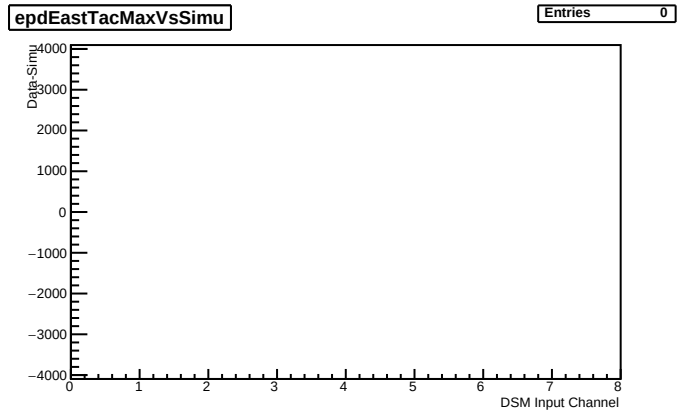
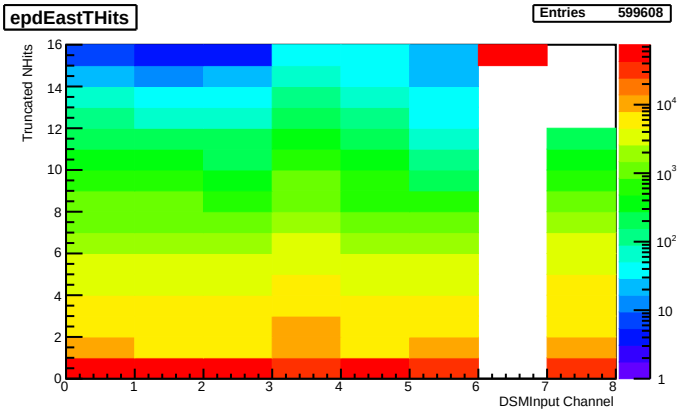
Simu

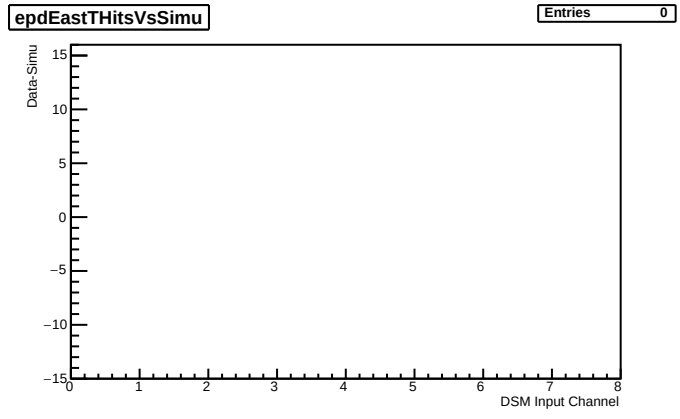

bbcSmallWestTacMax
Entries 74951


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 599608
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 599608
Truncated NHits
DSMInput Channel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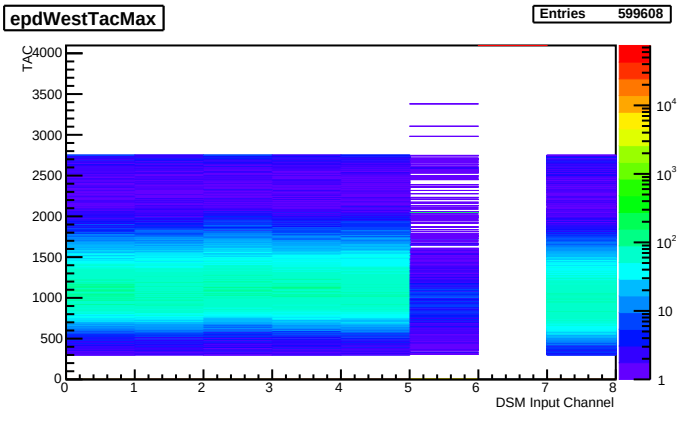
DSM Input Channel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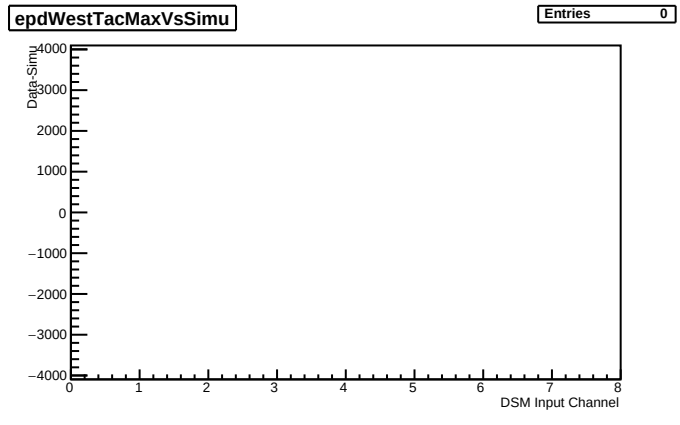
TAC
DSM Input Channel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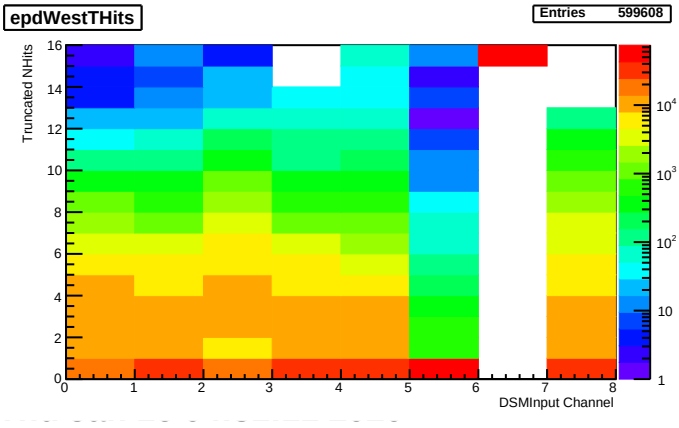
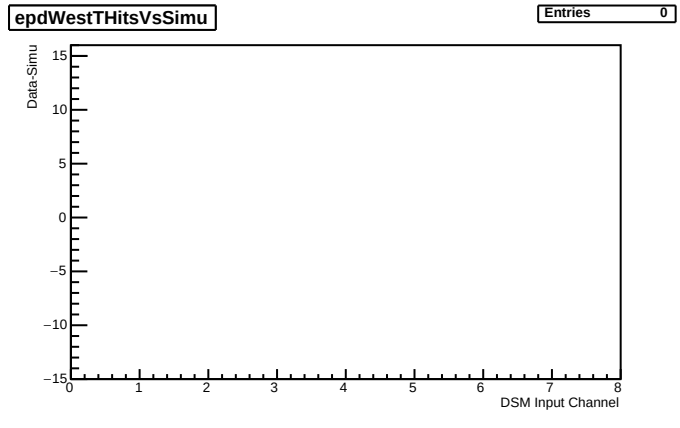
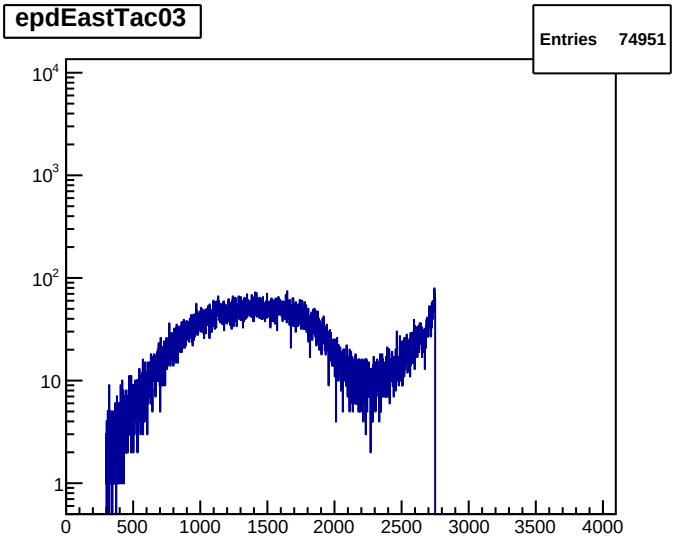
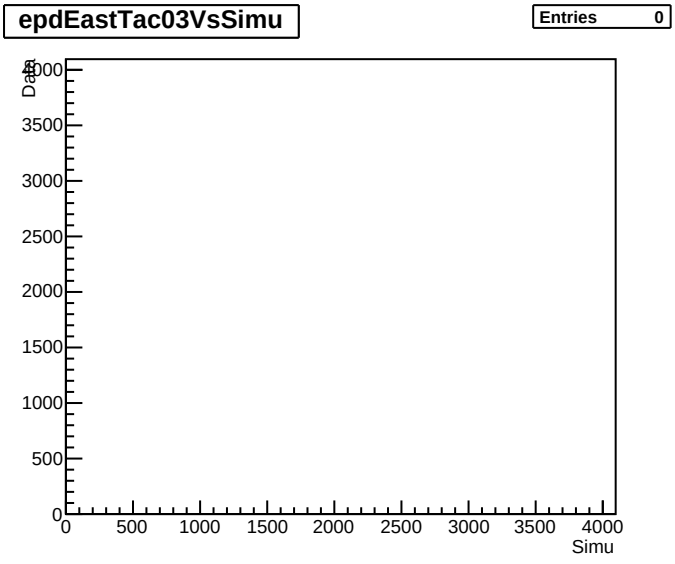
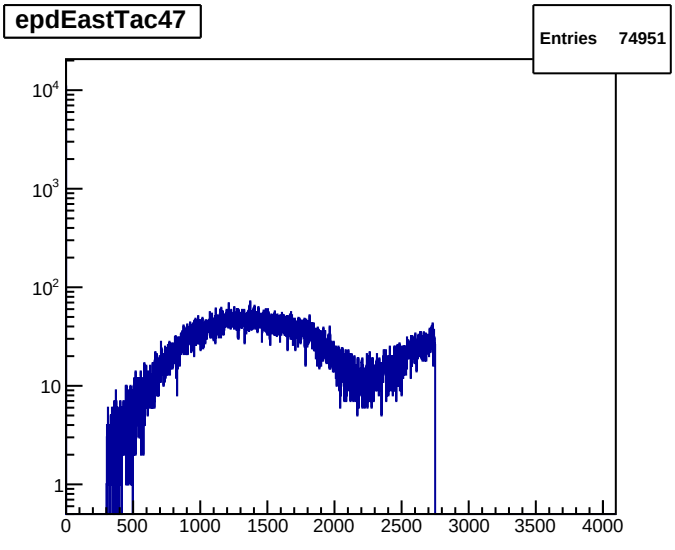
Entries 0
Data-Simu
DSM Input Channel

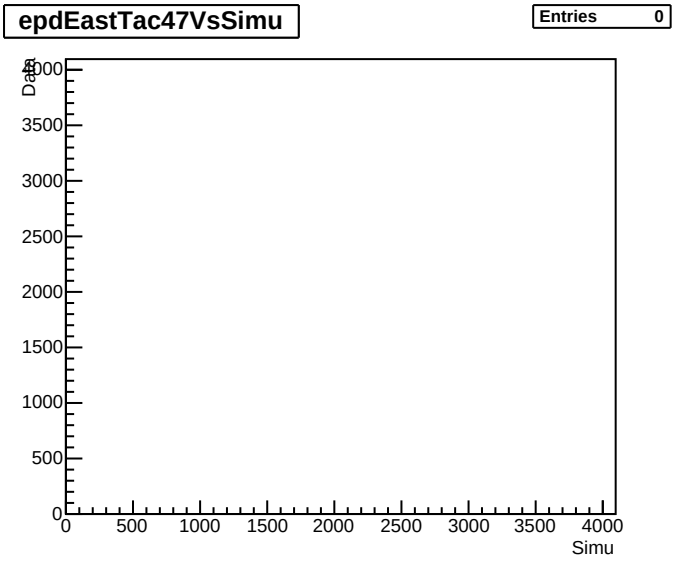

epdWestTHits
Entries 599608
Truncated NHits
DSMInput Channel

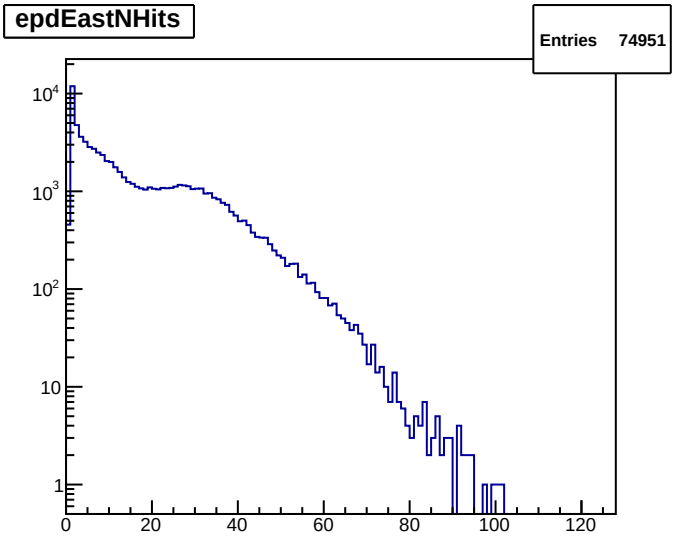

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

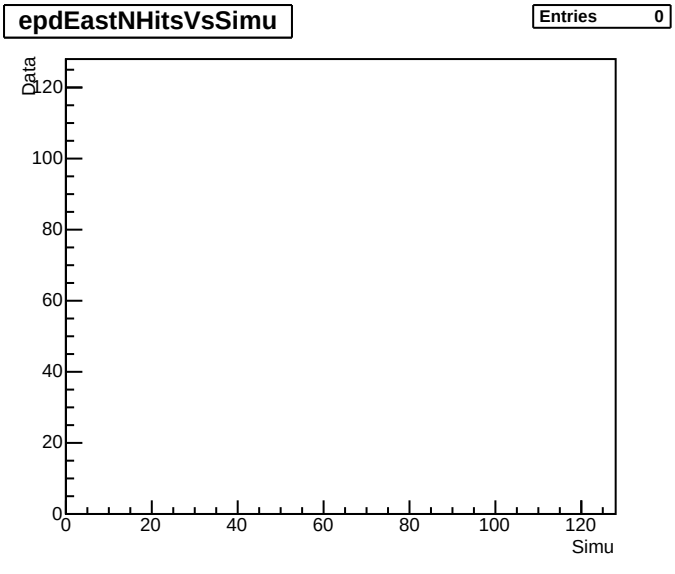

epdEastTac03
Entries 74951


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 74951


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 74951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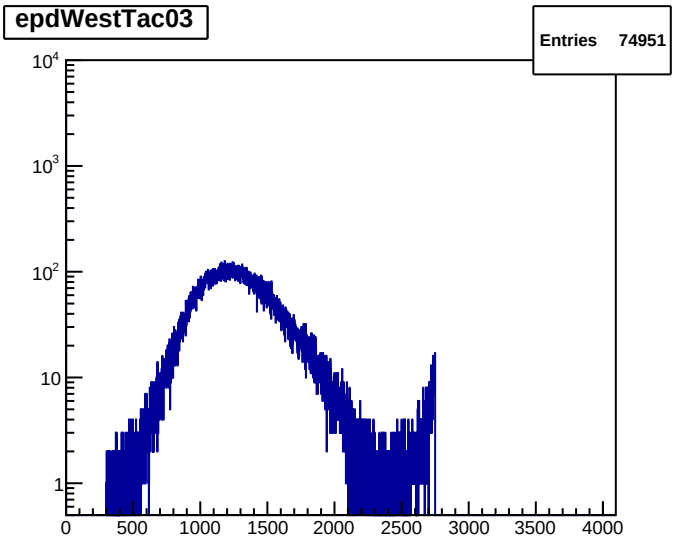
Entries 0
Data
Simu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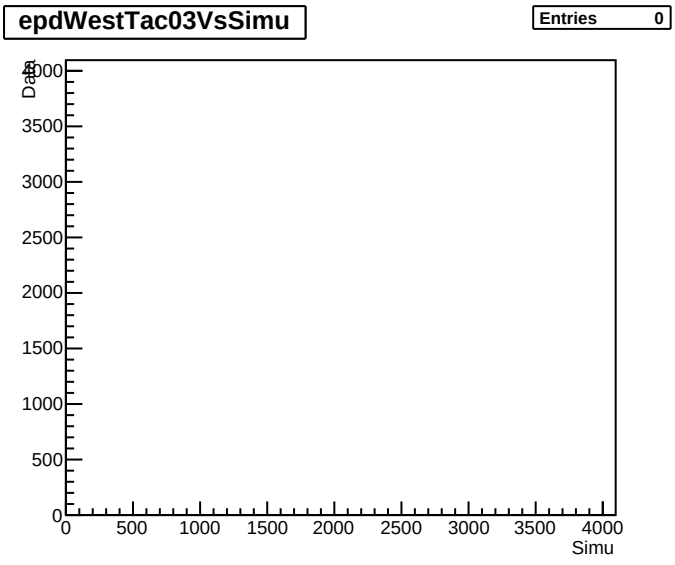
Entries 74951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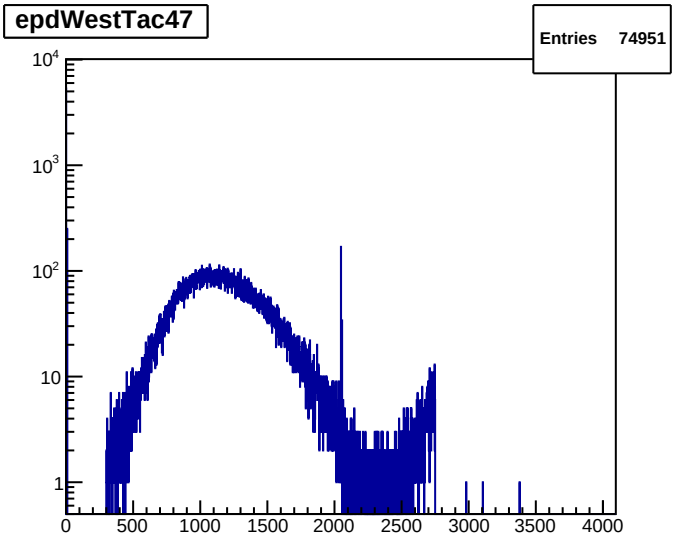
Entries 0
Data
Simu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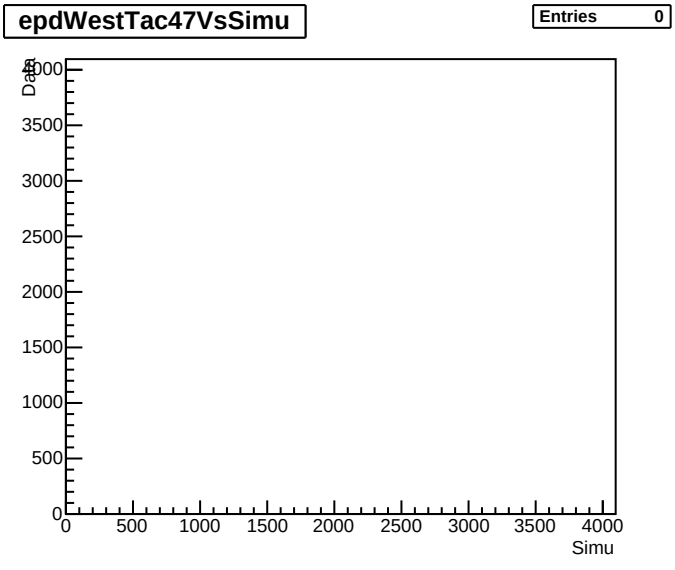
Entries 74951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Entries 0
Data
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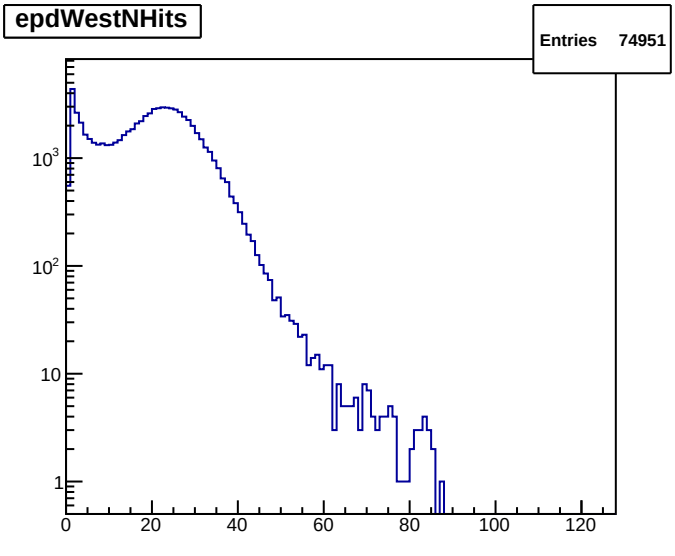
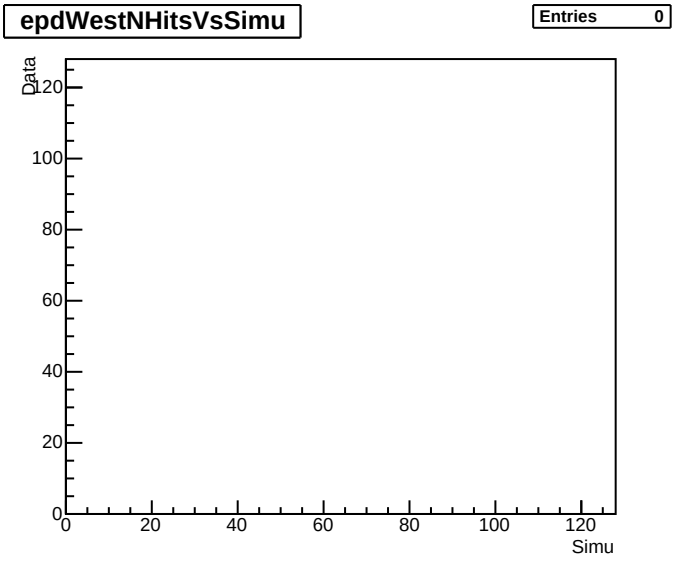
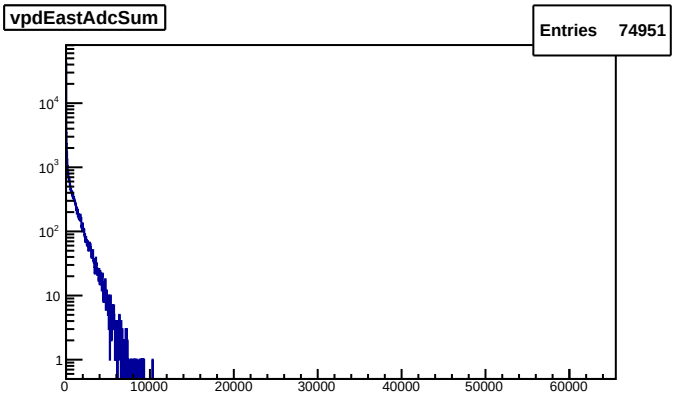
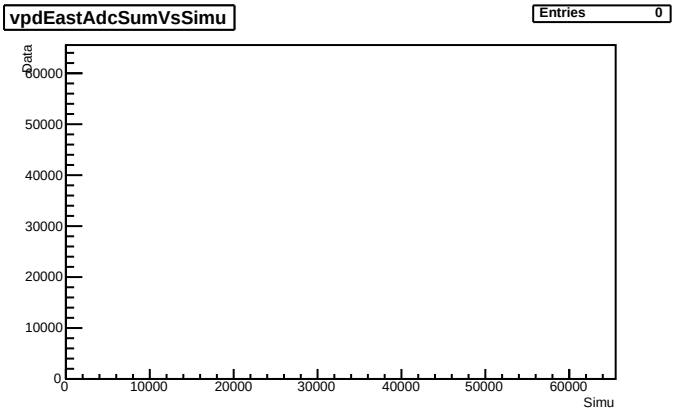
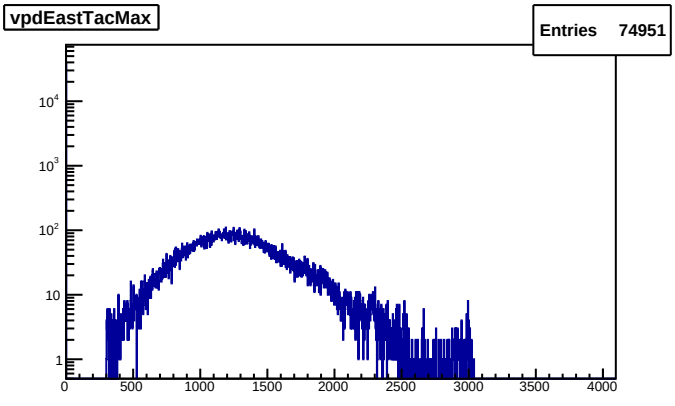
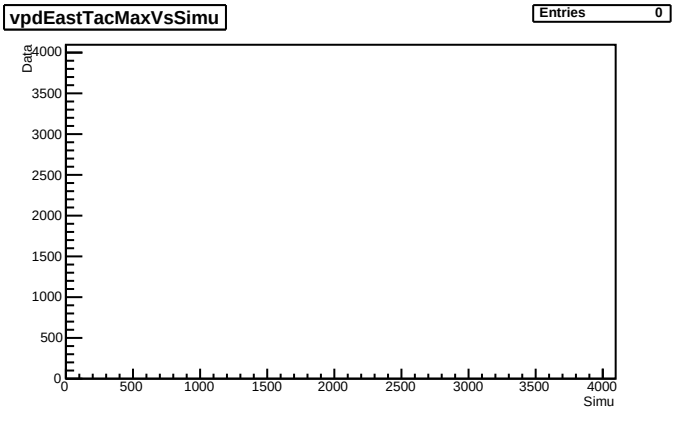

epdWestNHits
Entries 74951

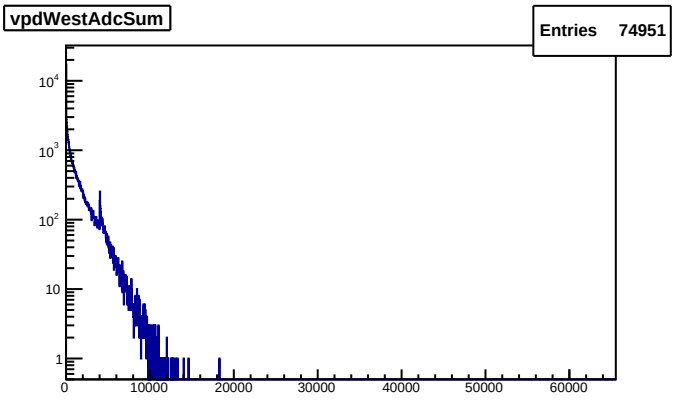

epdWestNHitsVsSimu
Entries 0
Data
Simu

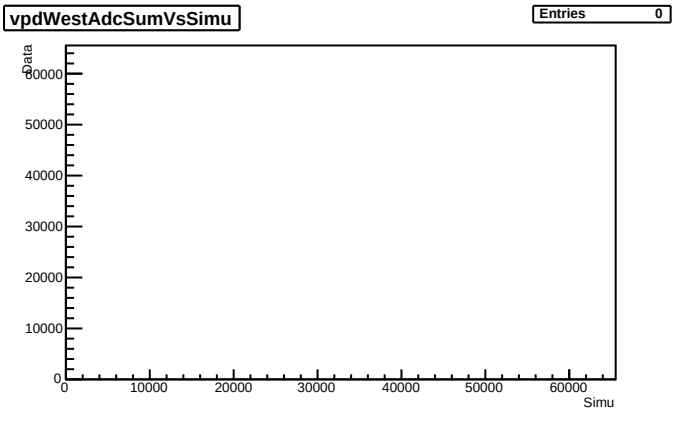

vpdEastAdcSum
Entries 74951

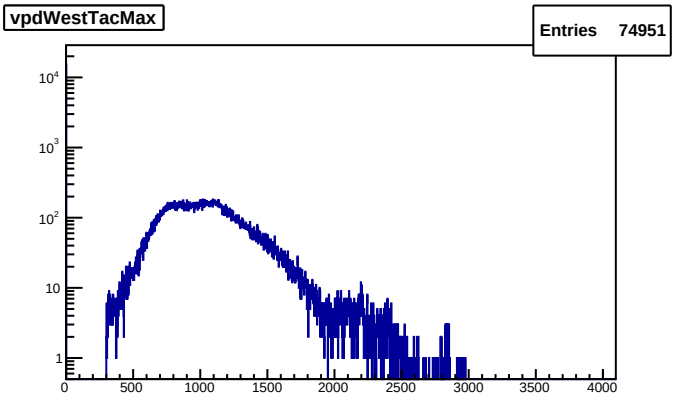

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

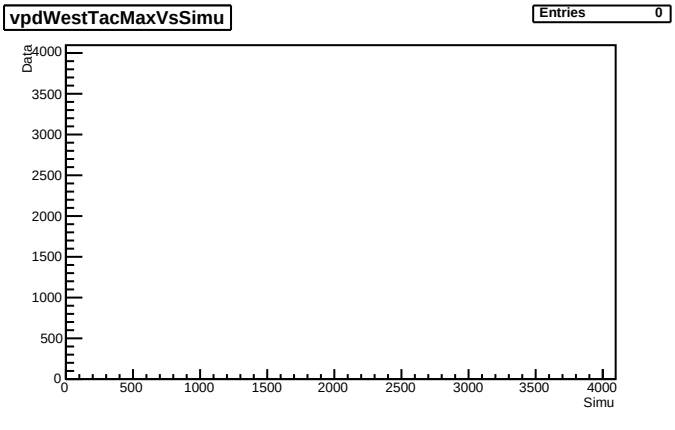

vpdEastTacMax
Entries 74951

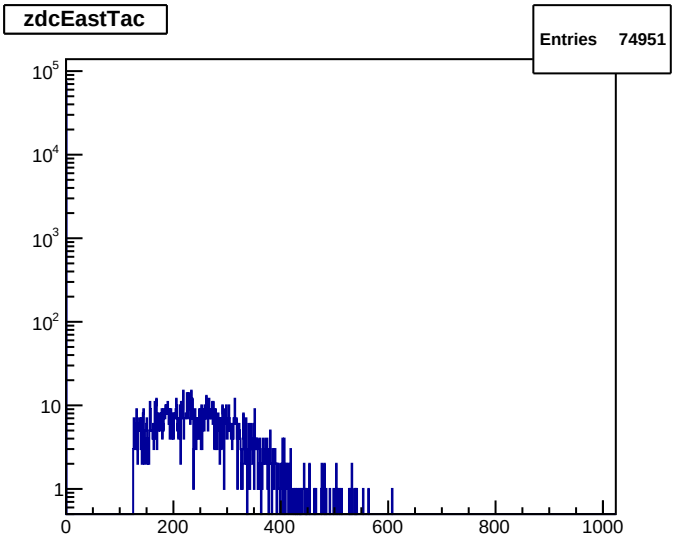

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

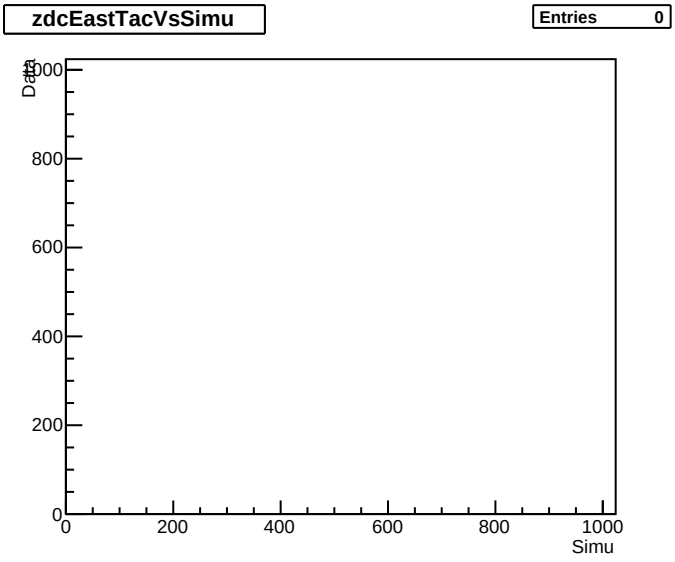

vpdWestAdcSum
Entries 74951

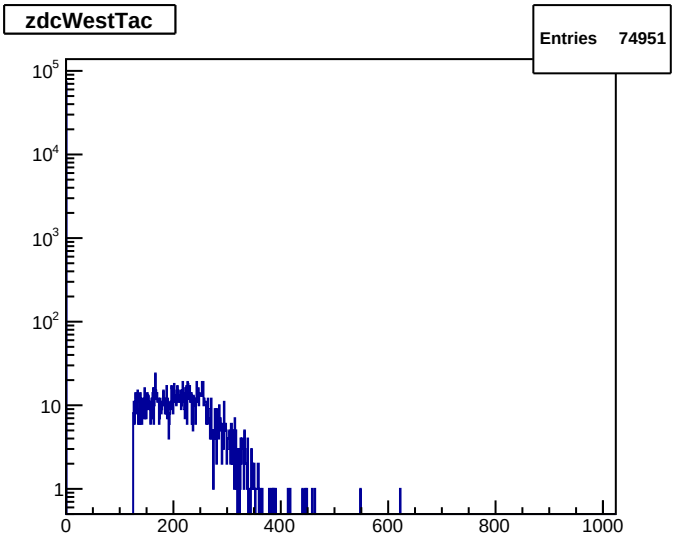

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

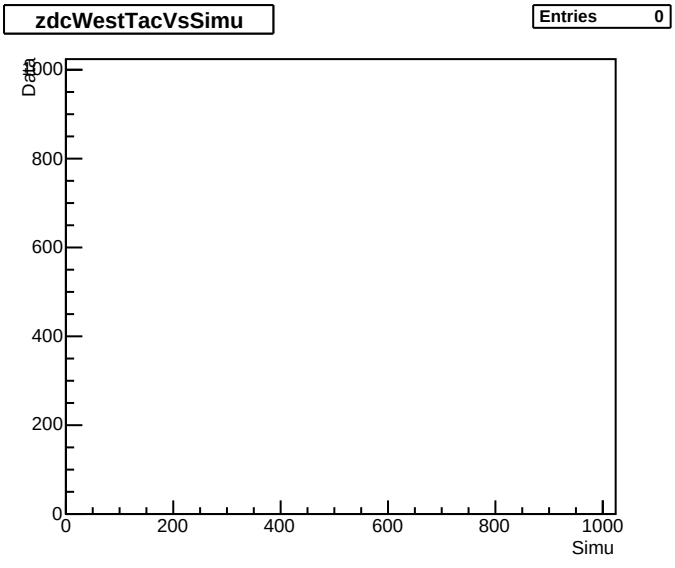

vpdWestTacMax
Entries 74951

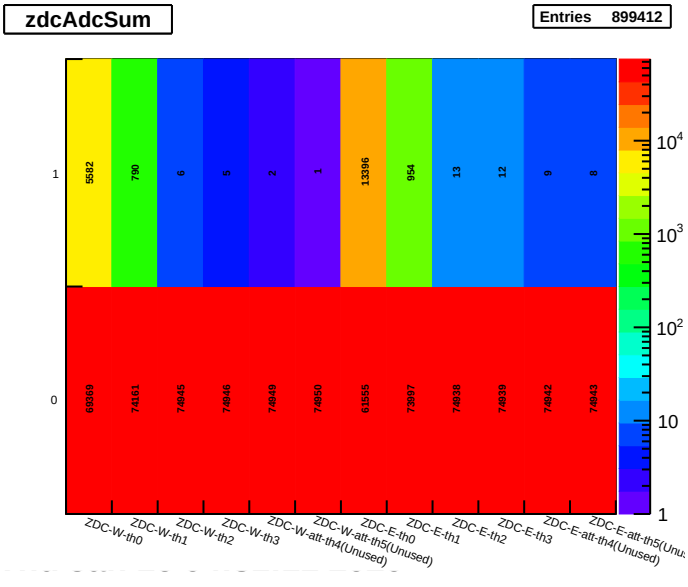

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

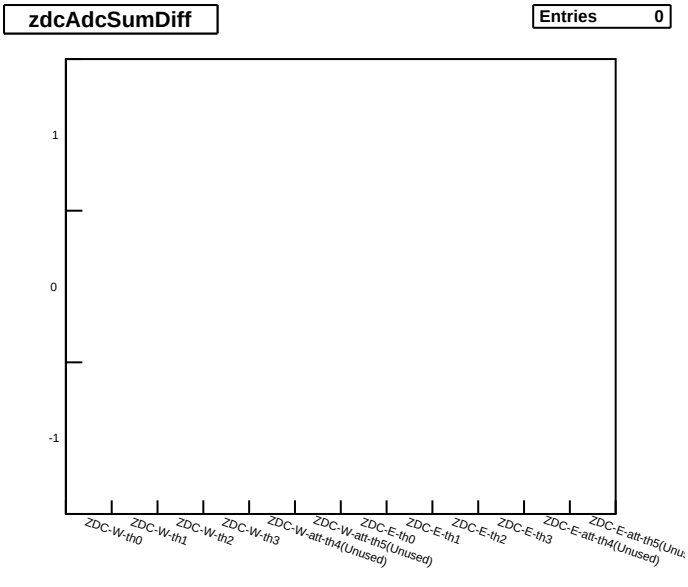

zdcEastTac
Entries 74951

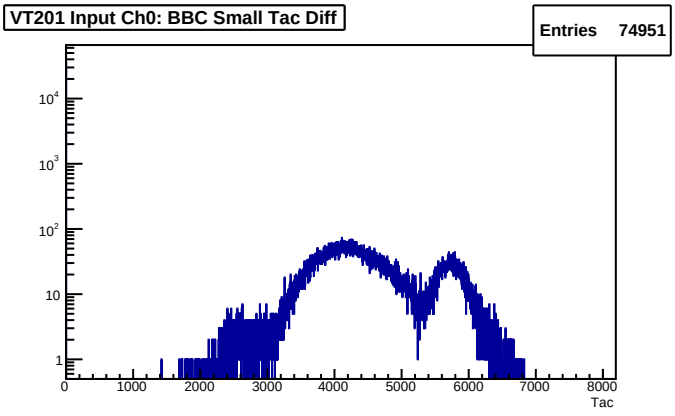

zdcEastTacVsSimu
Entries 0
Data
Simu

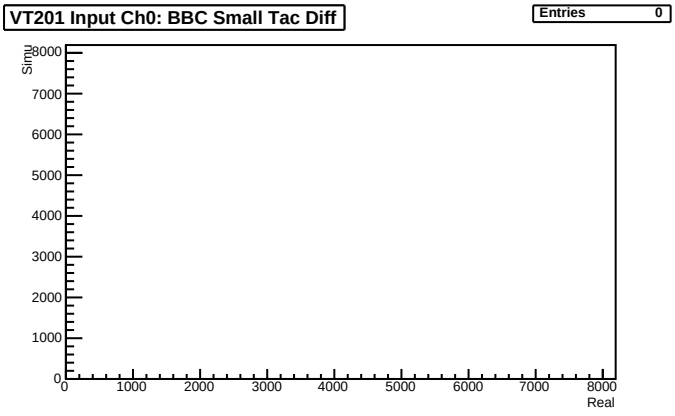

zdcWestTac
Entries 74951

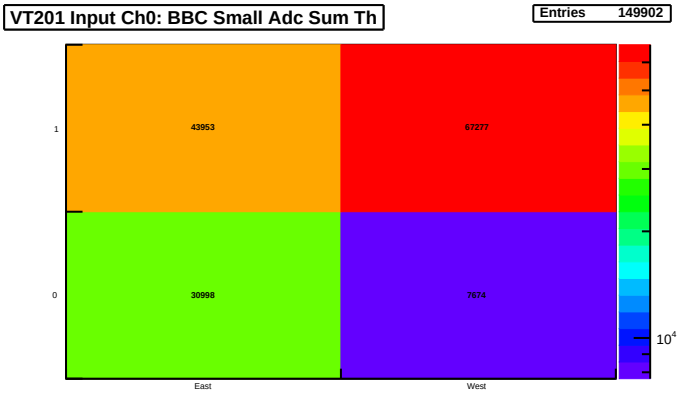

zdcWestTacVsSimu
Entries 0
Data
Simu

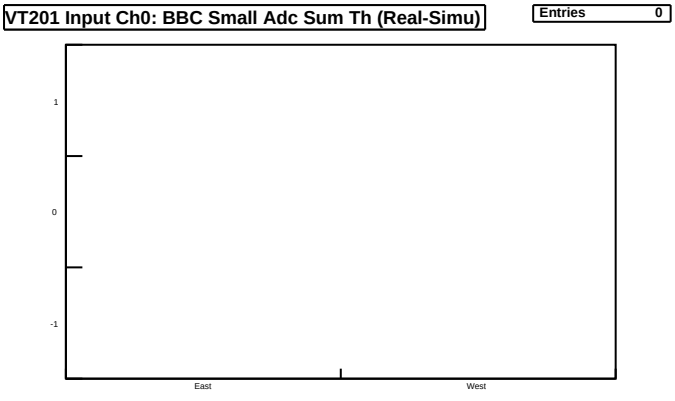

zdcAdcSum
Entries 899412
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

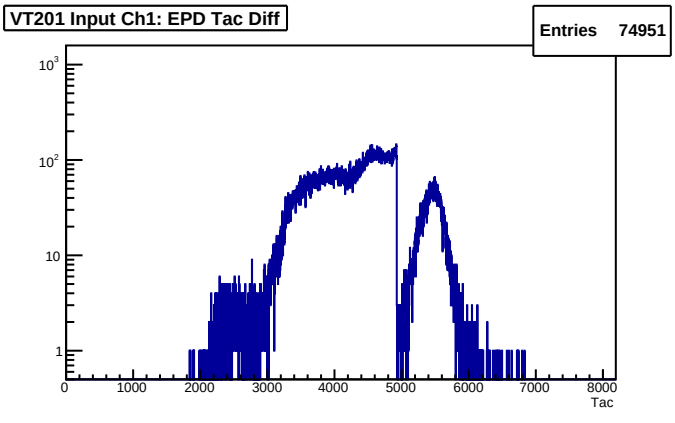

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

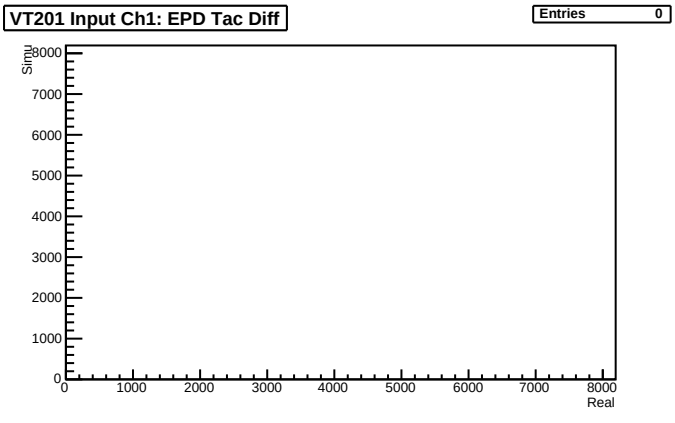

VT201 Input Ch0: BBC Small Tac Diff
Entries 74951
Tac

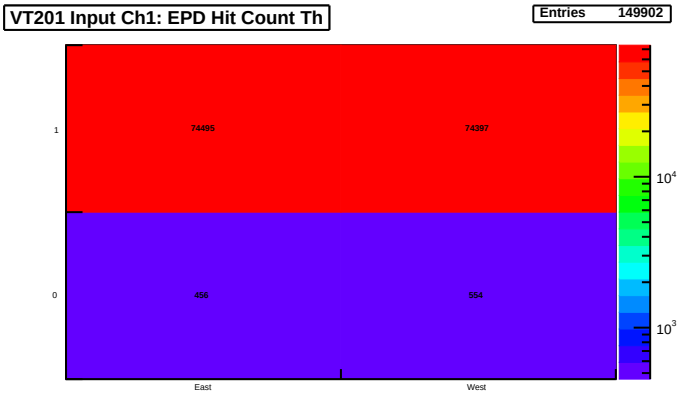

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

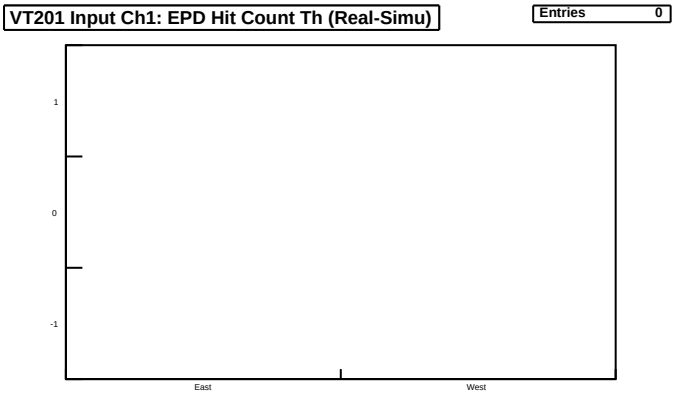

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 149902
43953
67277
30998
7674
East
West

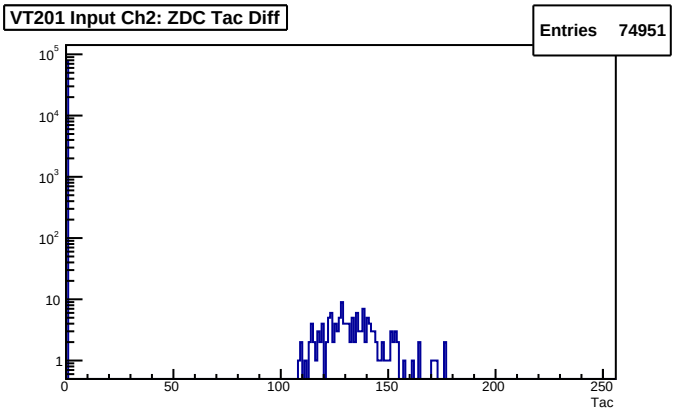

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

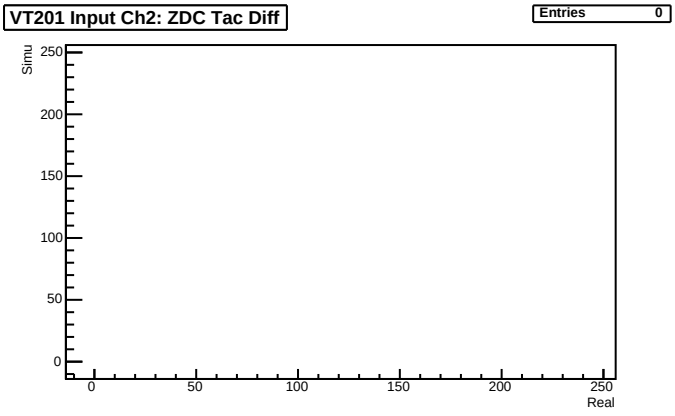

VT201 Input Ch1: EPD Tac Diff
Entries 74951
Tac

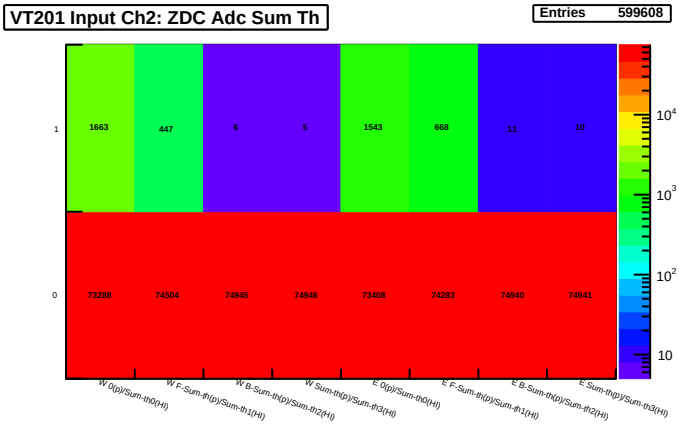

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

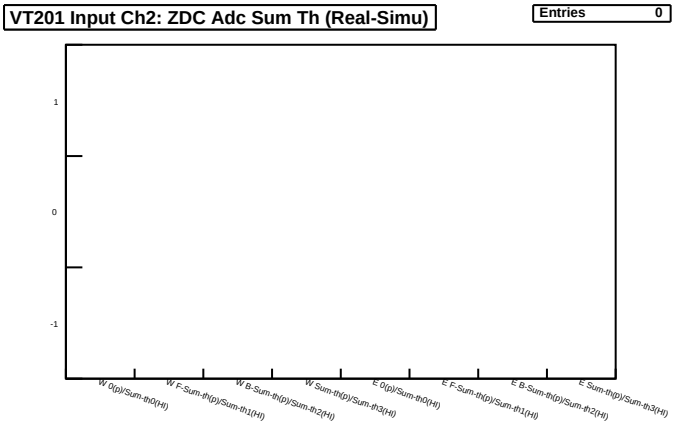

VT201 Input Ch1: EPD Hit Count Th
Entries 149902
74495
74397
456
554
East
West

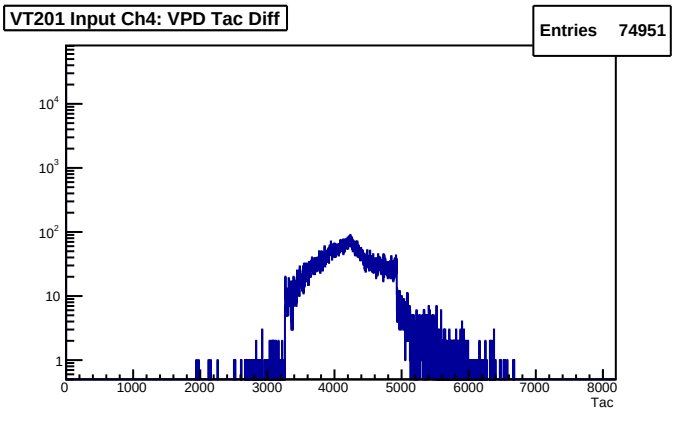

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

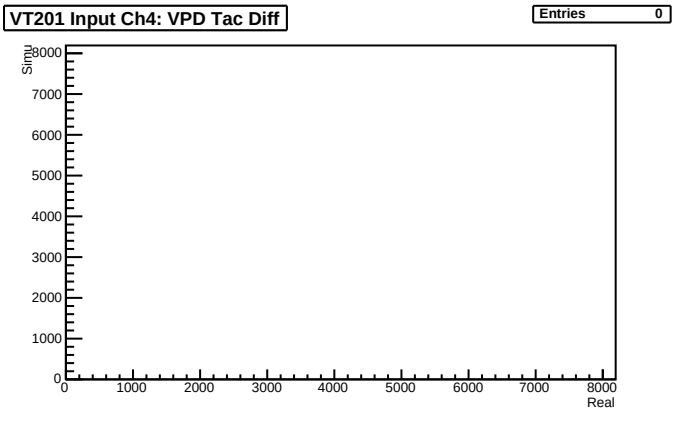

VT201 Input Ch2: ZDC Tac Diff
Entries 74951
Tac

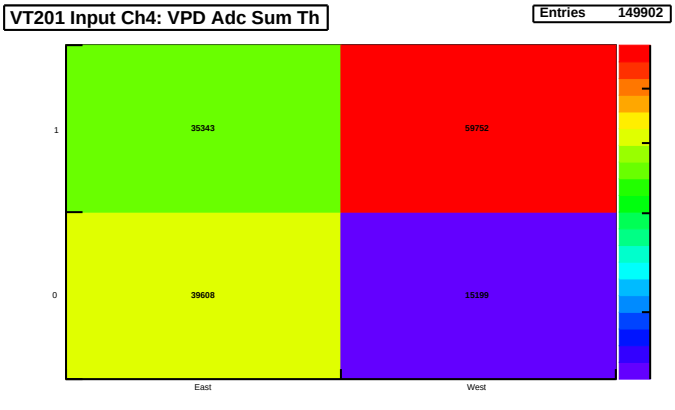

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

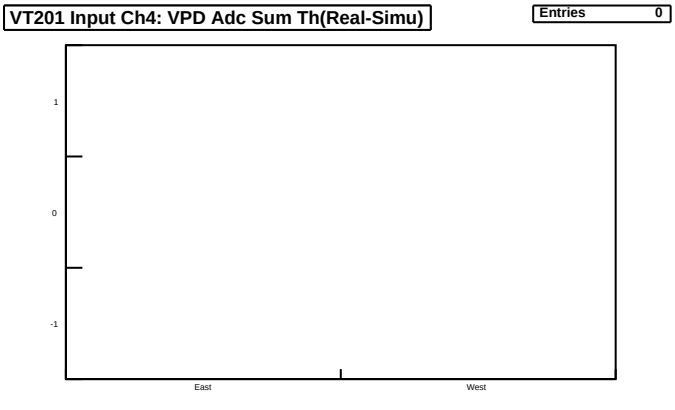

VT201 Input Ch2: ZDC Adc Sum Th
Entries 599608
1663
447
6
5
1543
668
11
10
73288
74504
74945
74946
73408
74283
74940
74941
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

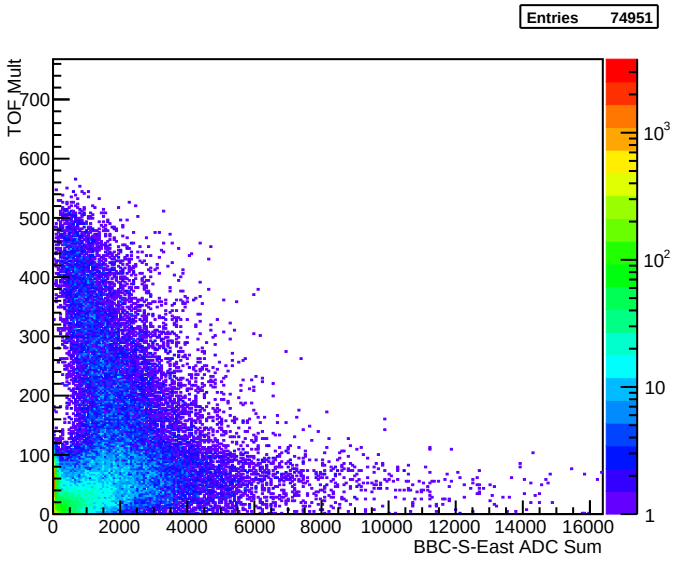

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

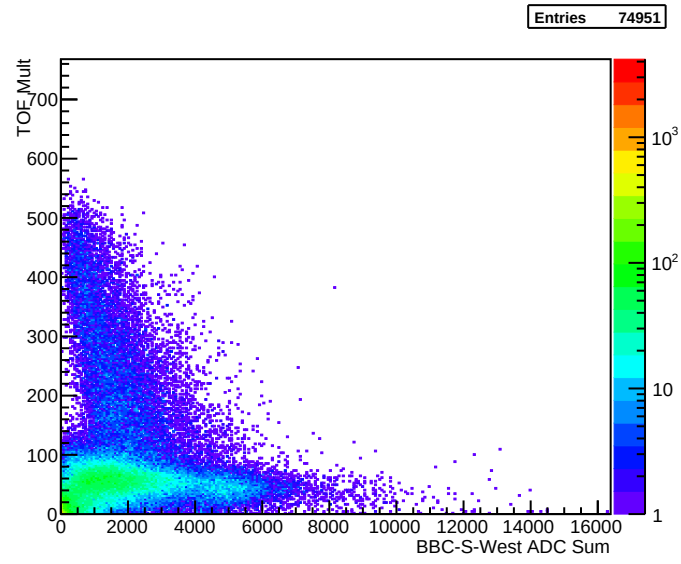

VT201 Input Ch4: VPD Tac Diff
Entries 74951
Tac

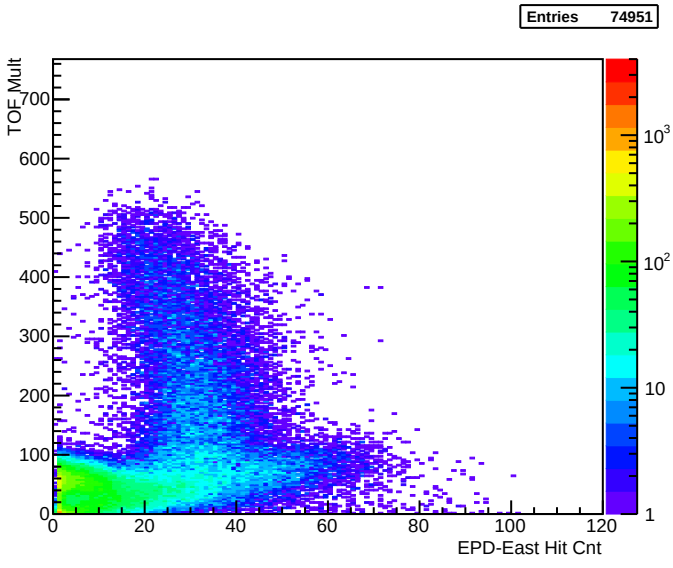

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

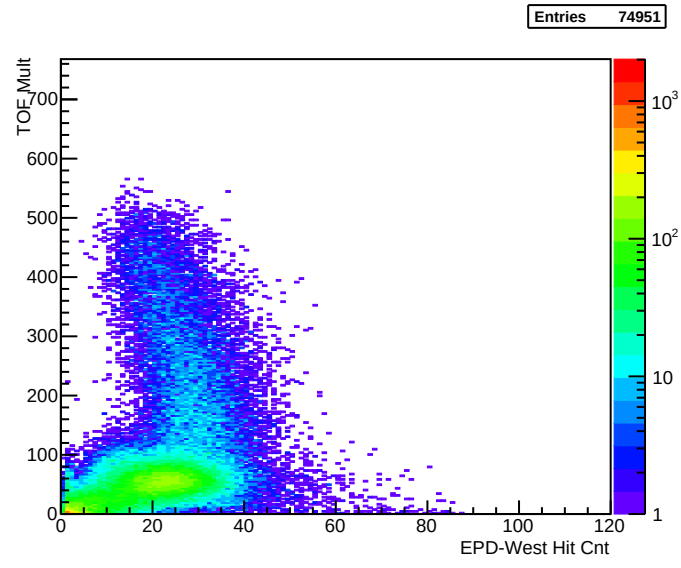

VT201 Input Ch4: VPD Adc Sum Th
Entries 149902
35343
59752
39608
15199
East
West

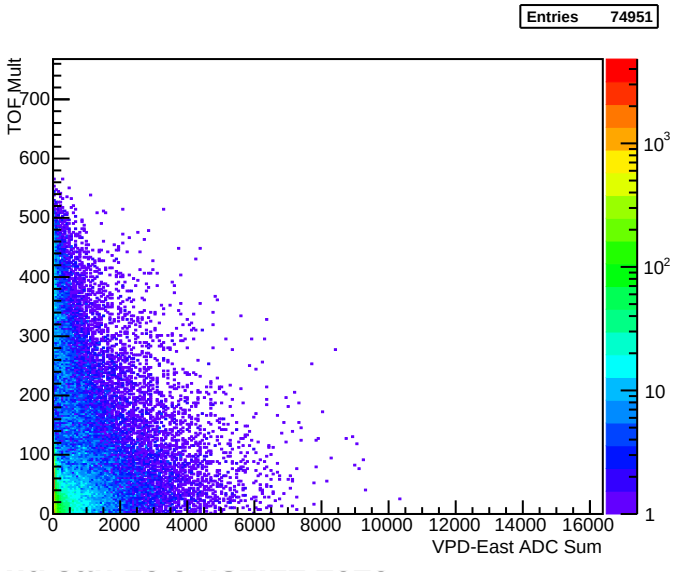

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

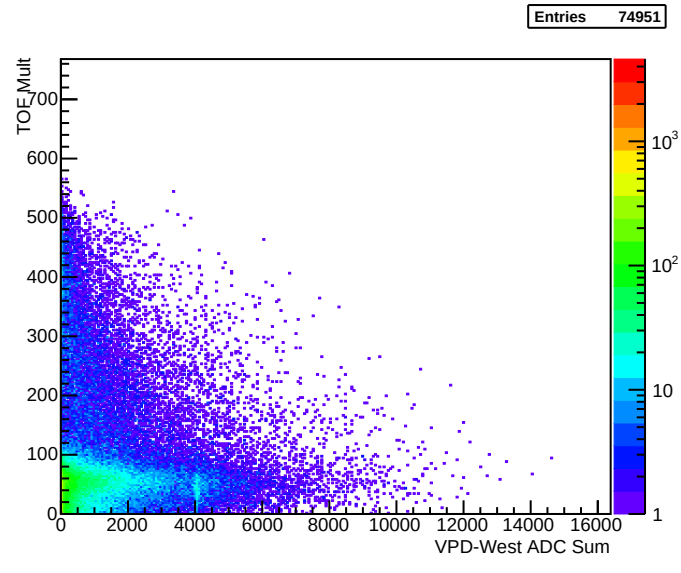

Entries 74951
TOF_Mult
BBC-S-East ADC Sum

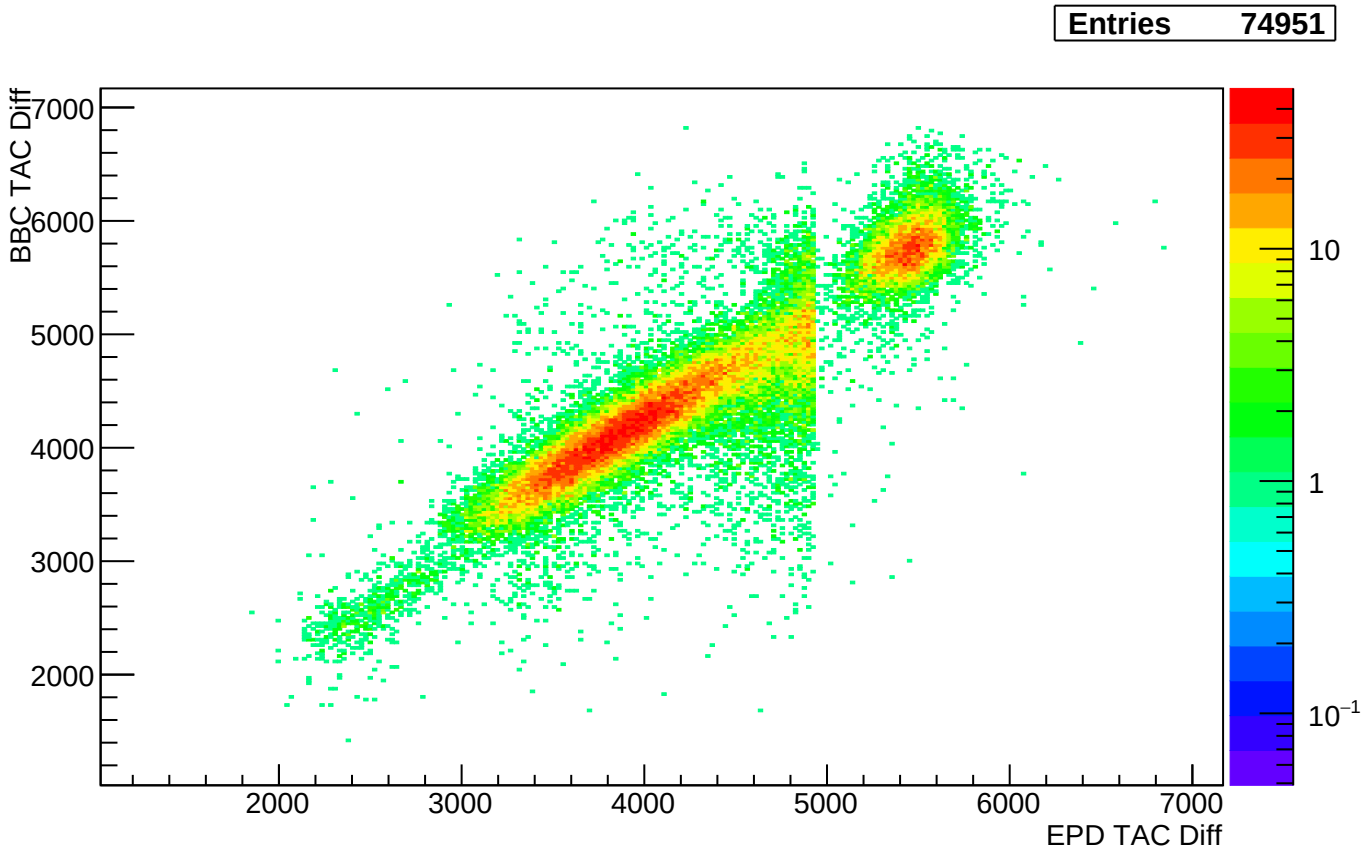

Entries 74951
TOF_Mult
BBC-S-West ADC Sum

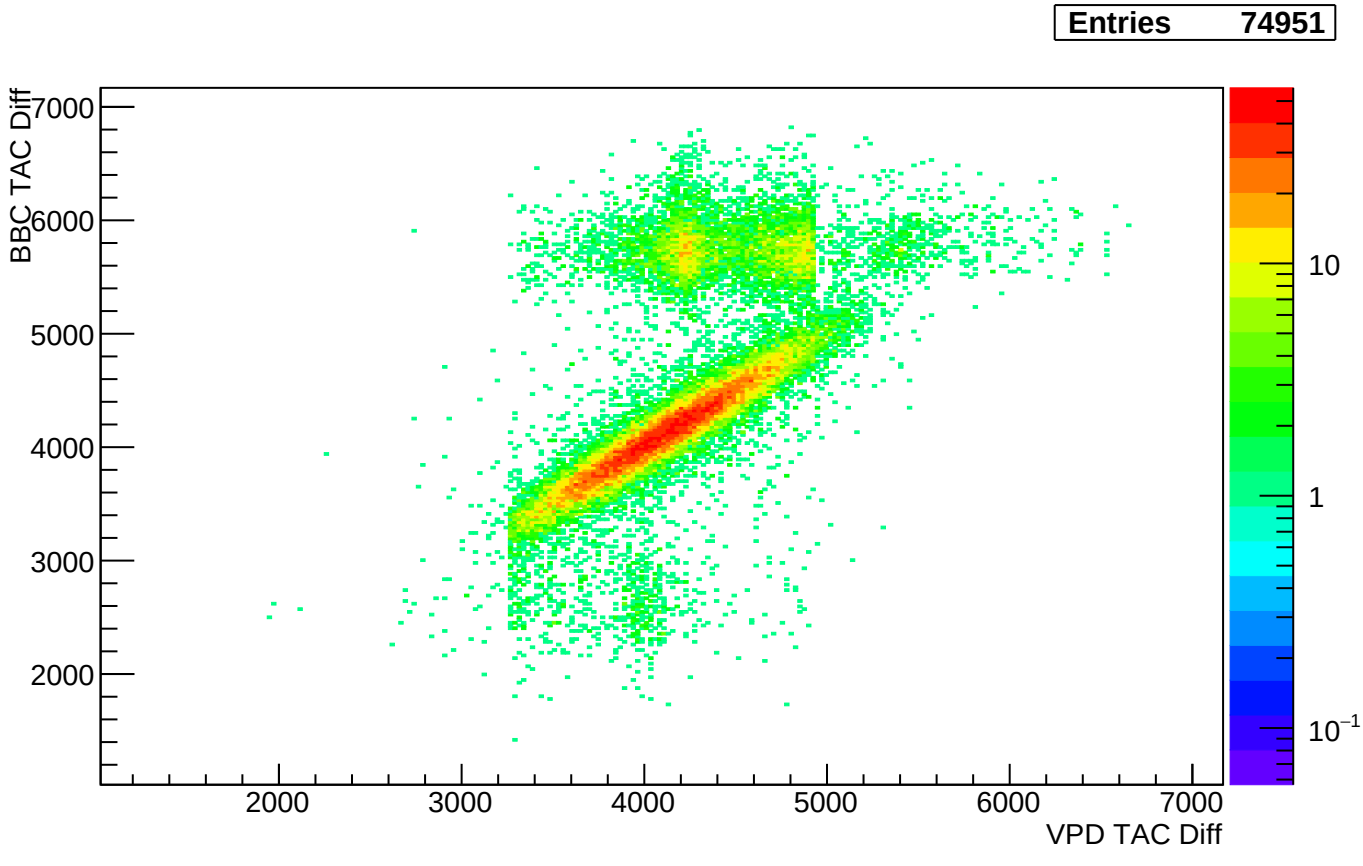

Entries 74951
TOF_Mult
EPD-East Hit Cnt

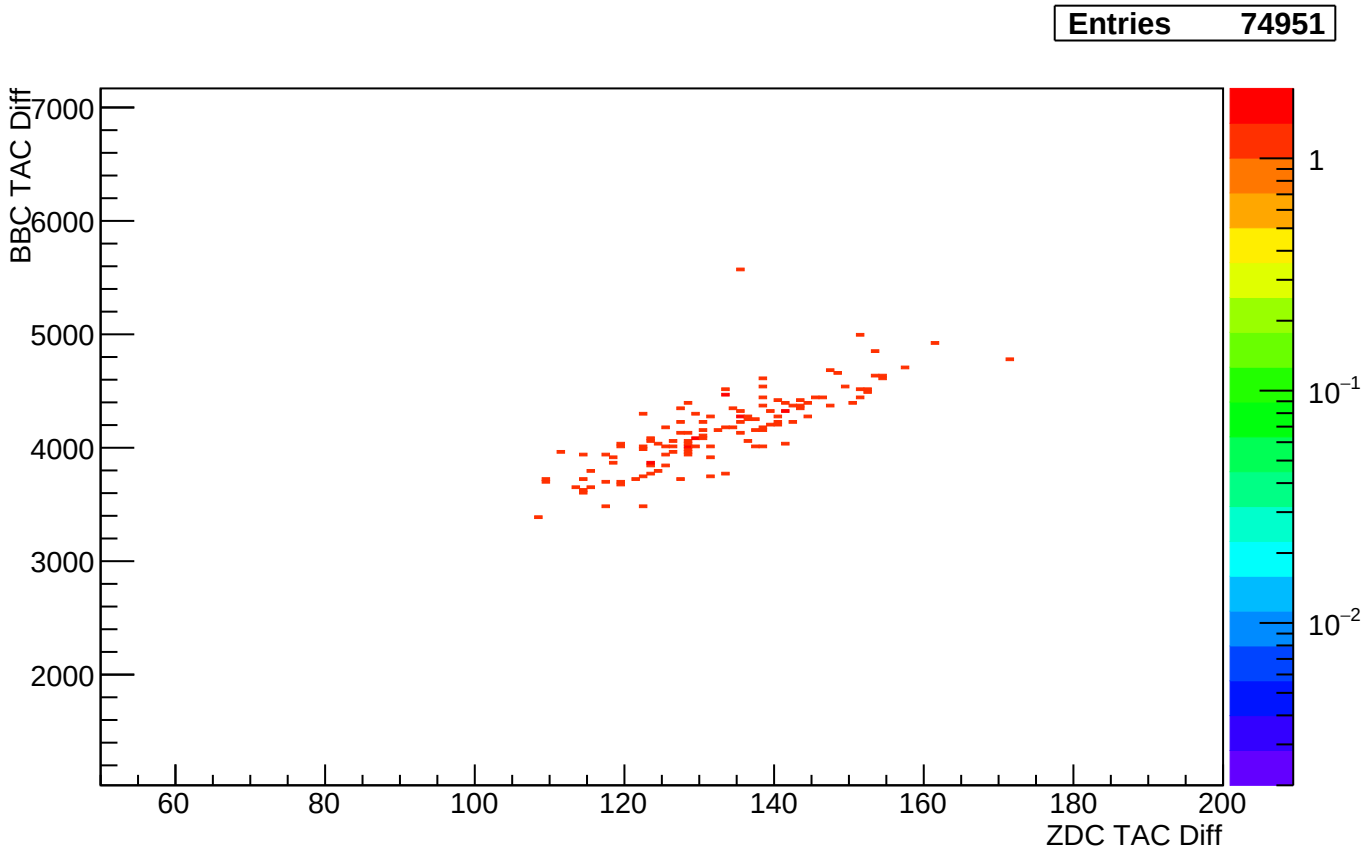

Entries 74951
TOF_Mult
EPD-West Hit Cnt

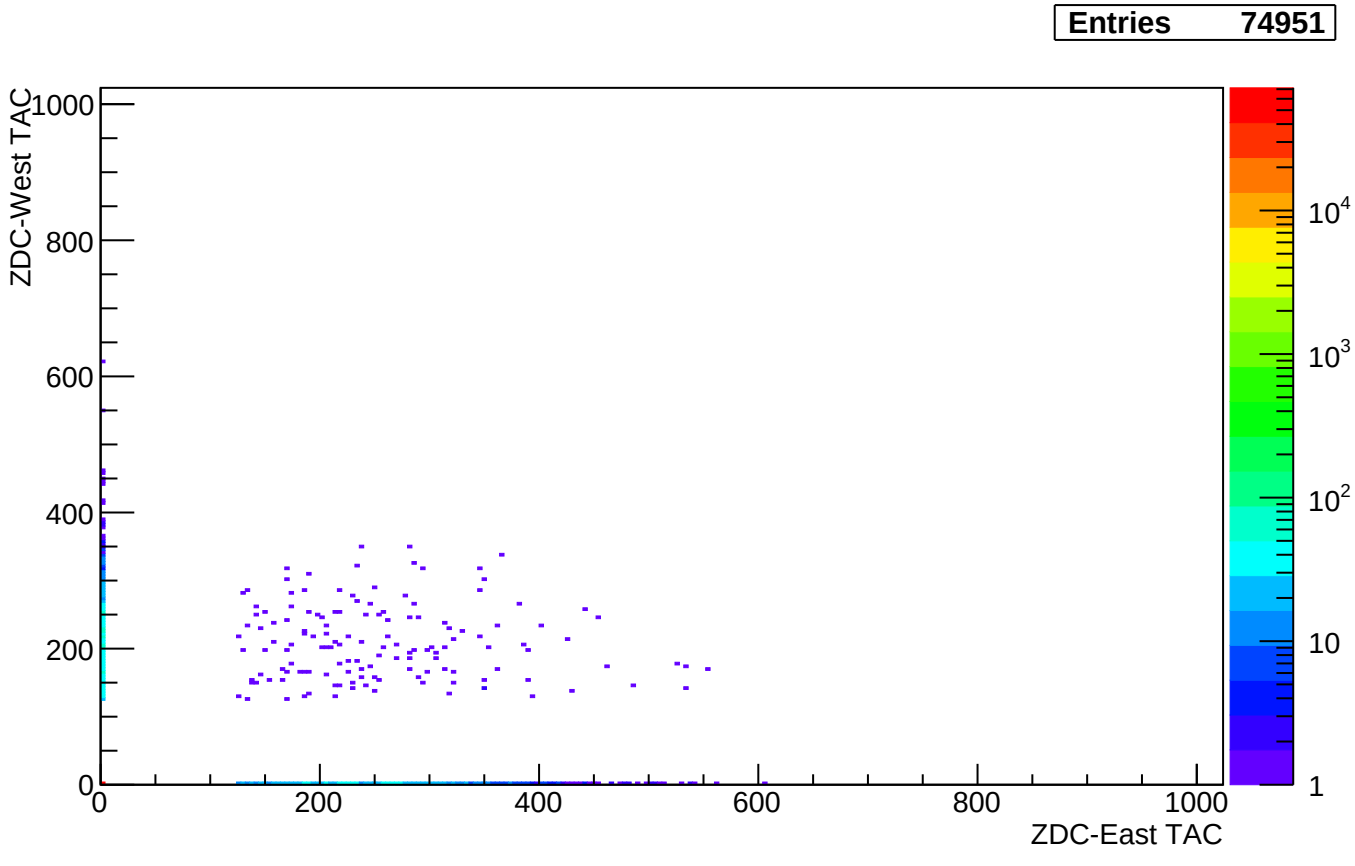

Entries 74951
TOF_Mult
VPD-East ADC Sum

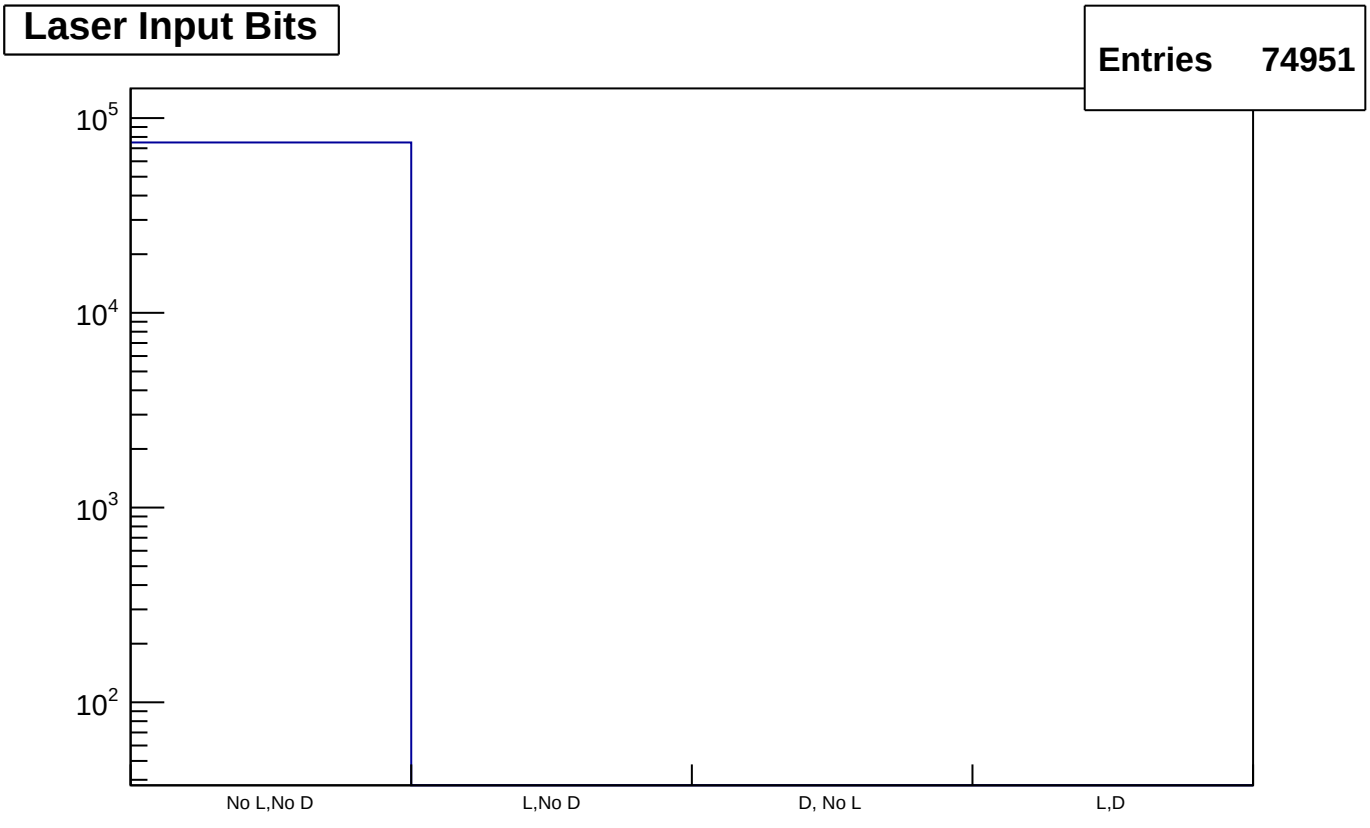

Entries 74951
TOF_Mult
VPD-West ADC Sum

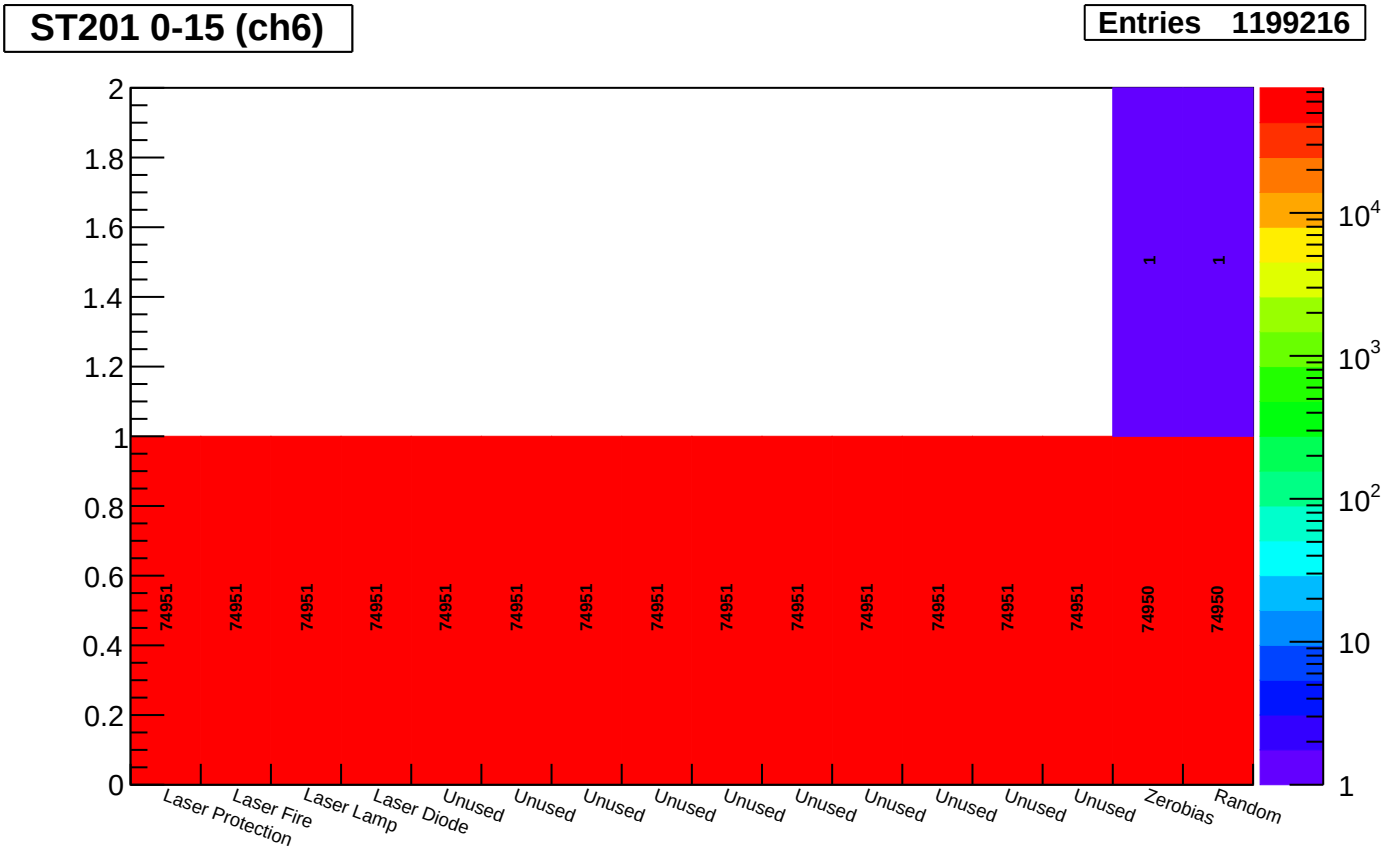

Entries 74951
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10
1
10^{-1}

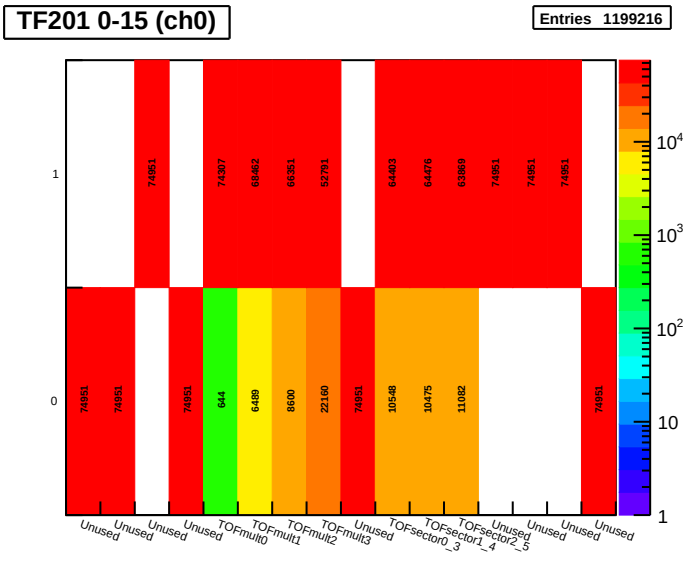

Entries 74951
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10
1
10^{-1}

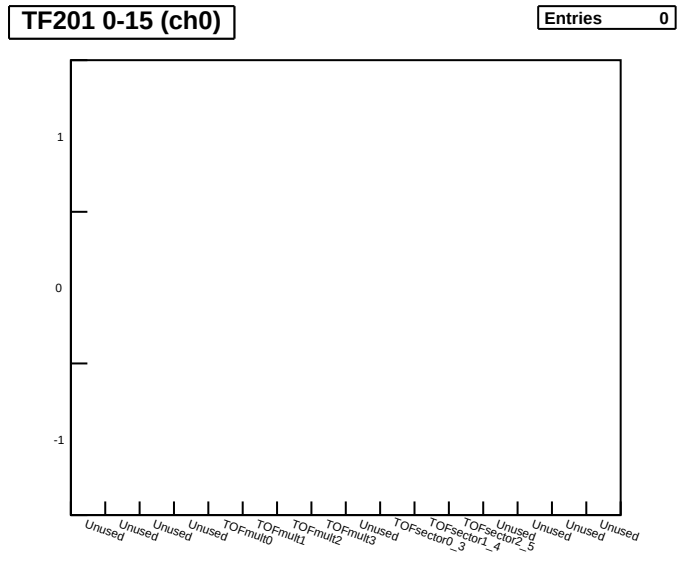

Entries 74951
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

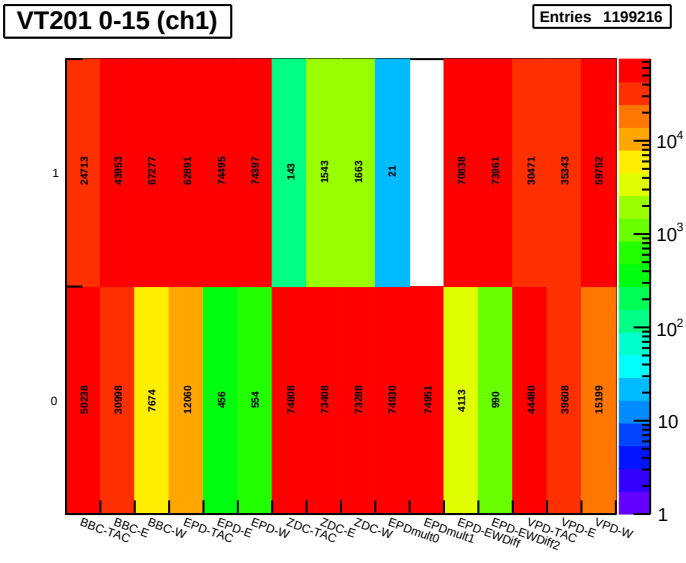

Entries 74951
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

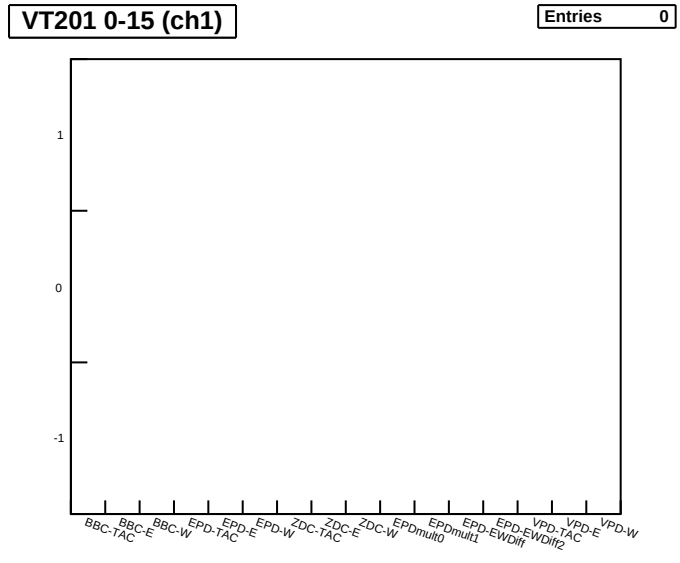

Laser Input Bits
Entries 74951
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

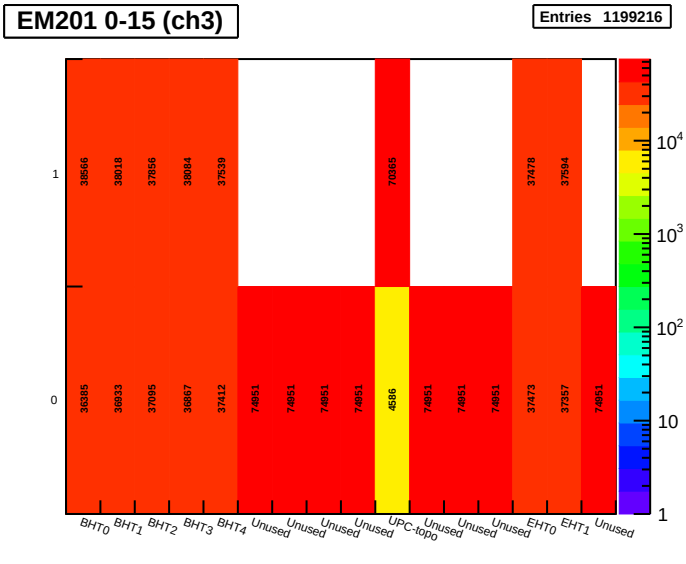

ST201 0-15 (ch6)
Entries 1199216
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
74951
74950
1
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

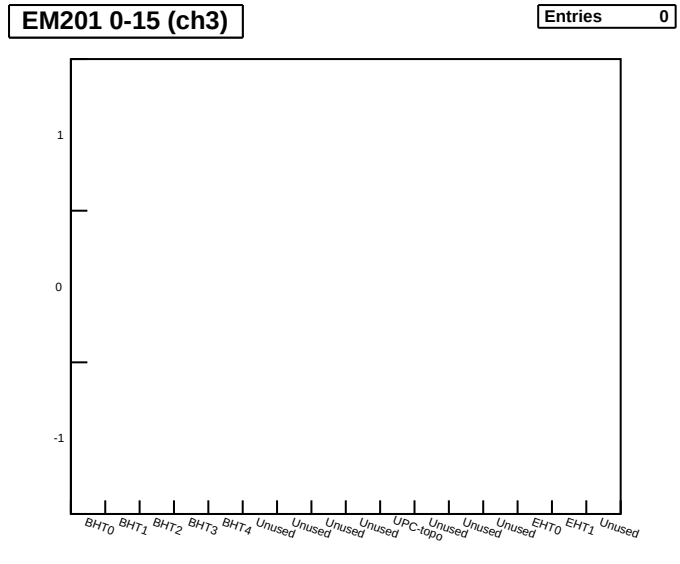

TF201 0-15 (ch0)
Entries 1199216
1
0
74951 74951 74951 74307 68462 66351 52791 64403 64476 63869 74951 74951 74951
74951 74951 74951 644 6489 8600 22160 74951 10548 10475 11082 74951
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
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 1199216
1
0
24713 43953 67277 62891 74495 74397 143 1543 1663 21 70838 73861 30471 35343 57752
50238 30998 7674 12060 456 554 74808 73408 73288 74930 74951 4113 990 44480 39608 15199
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
10^4
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 1199216
1
0
38566 38018 37856 38084 37539 70365 37478 37594
36385 36933 37095 36867 37412 74951 74951 74951 74951 4586 74951 74951 74951 37473 37557 74951
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
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