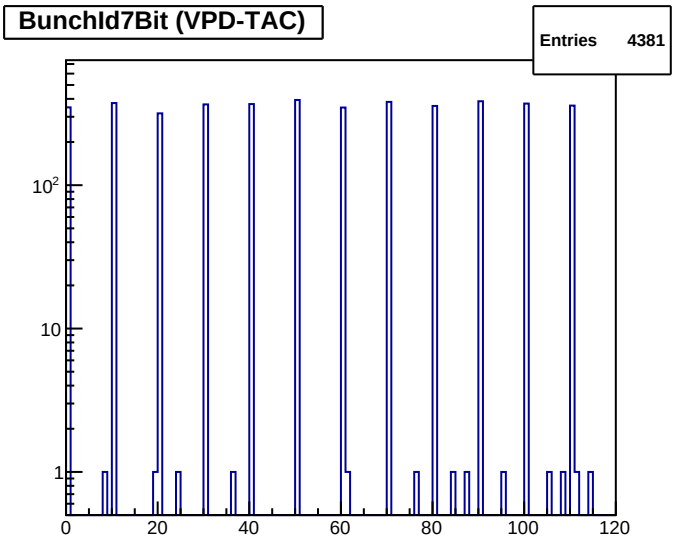
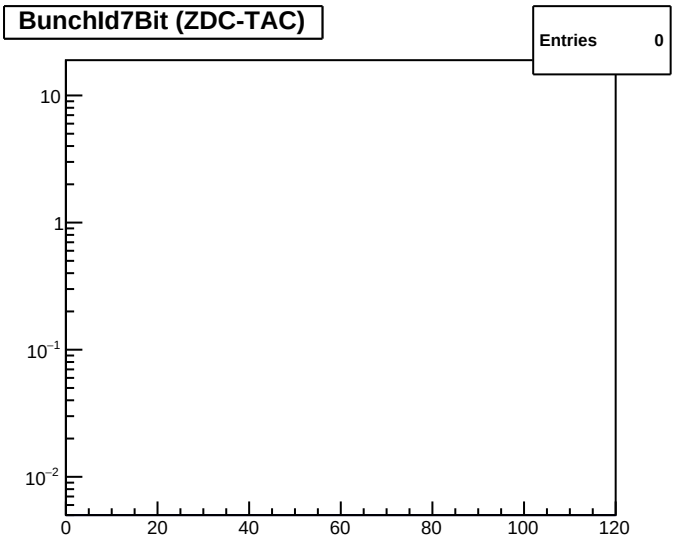
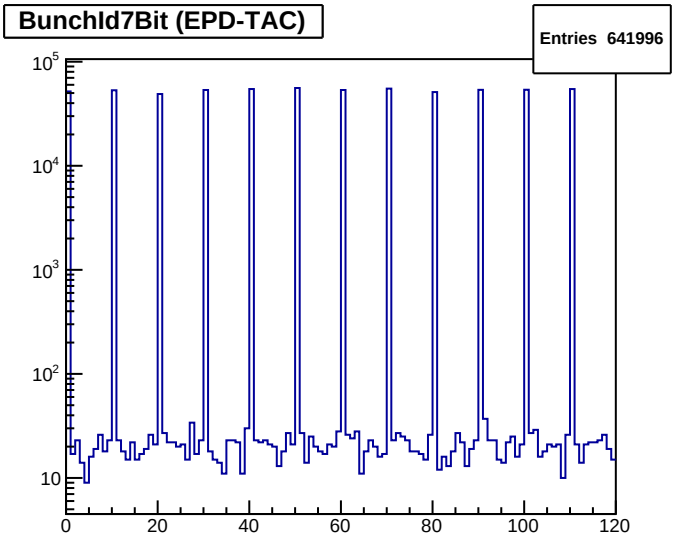
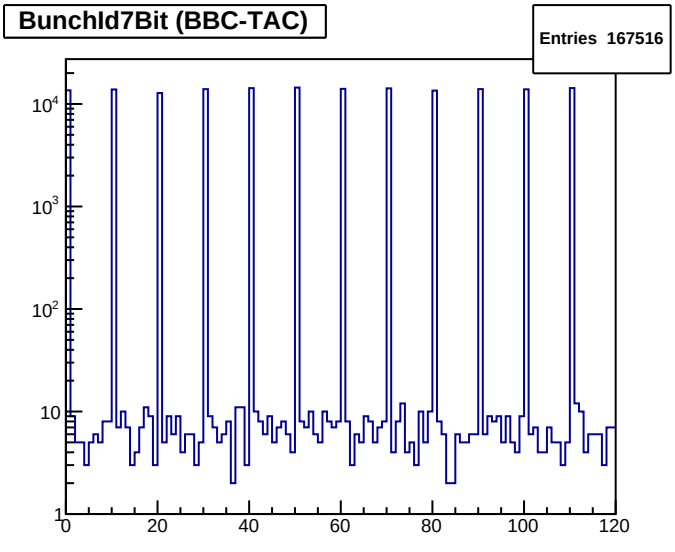
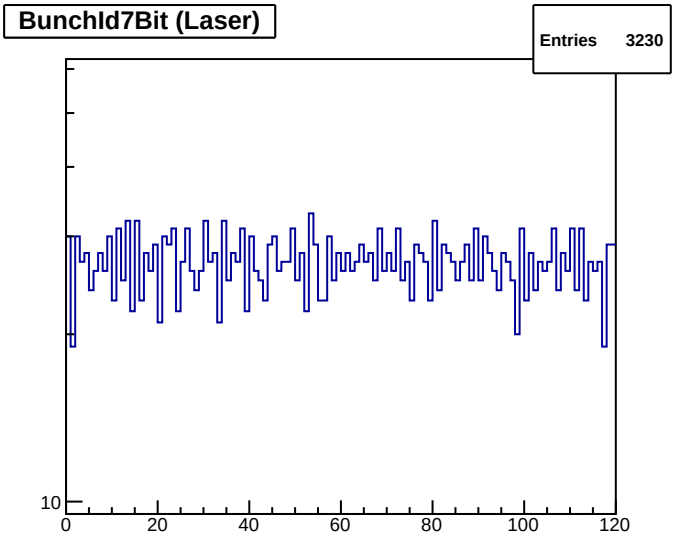
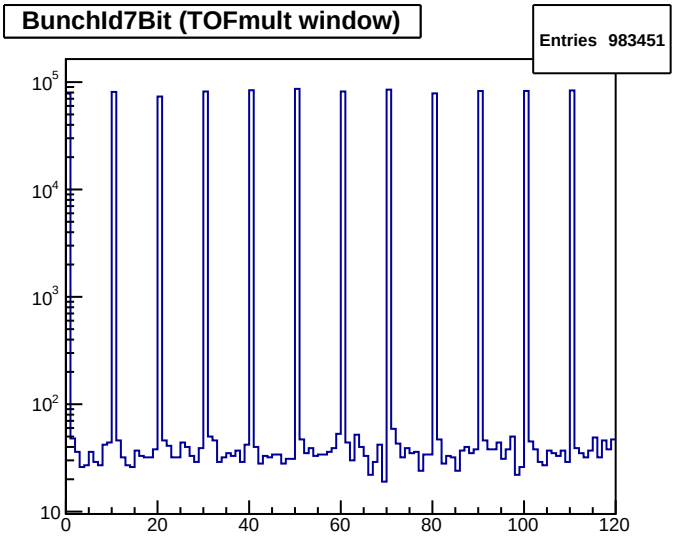

BunchId7Bit (VPD-TAC)
Entries 4381

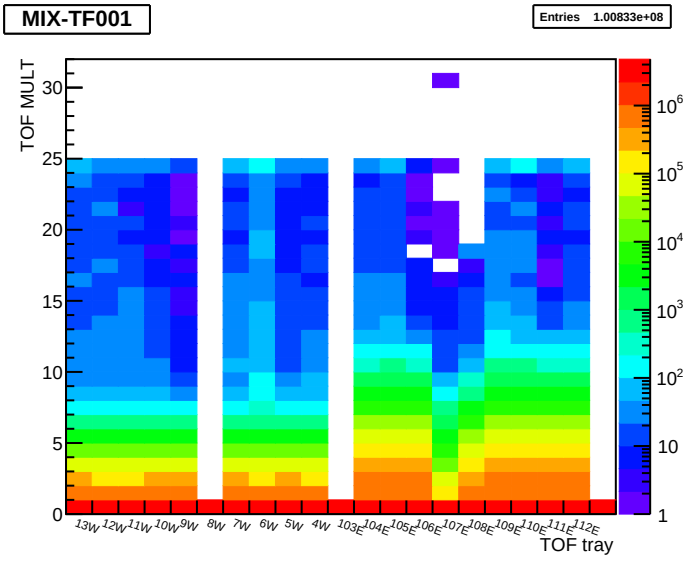

BunchId7Bit (ZDC-TAC)
Entries 0

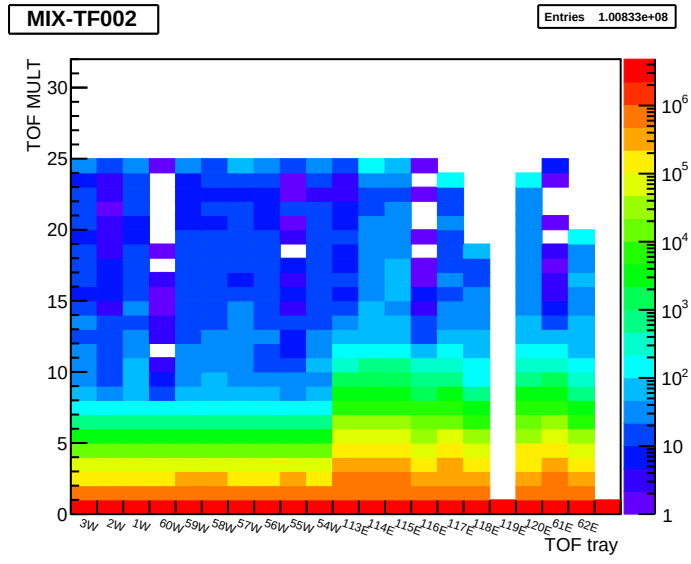

BunchId7Bit (EPD-TAC)
Entries 641996

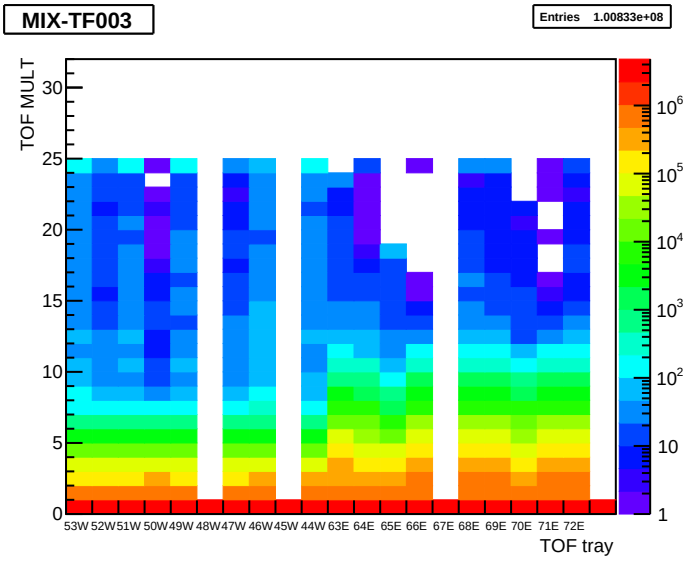

BunchId7Bit (BBC-TAC)
Entries 167516

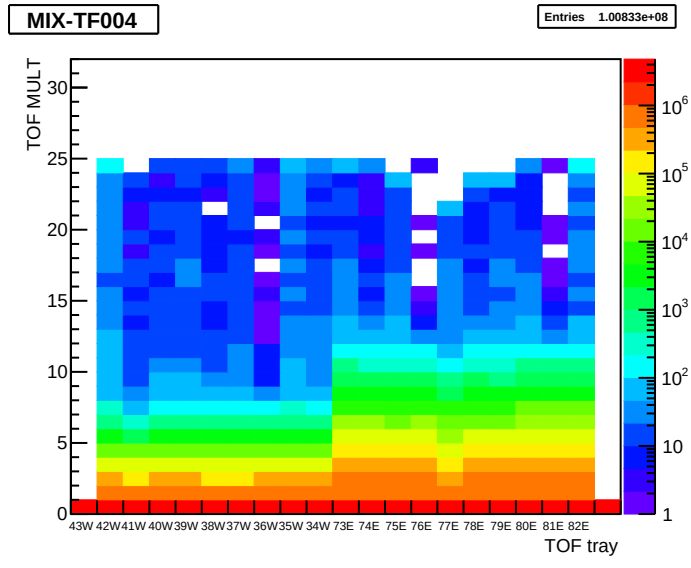

BunchId7Bit (Laser)
Entries 3230

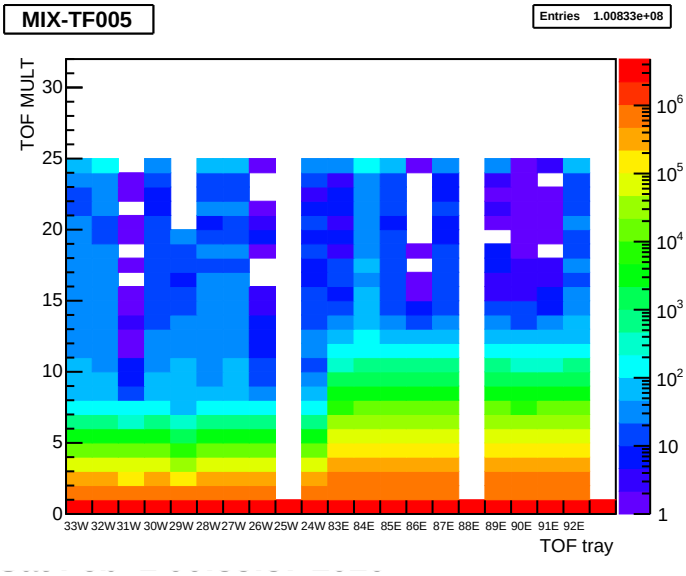

BunchId7Bit (TOFmult window)
Entries 983451

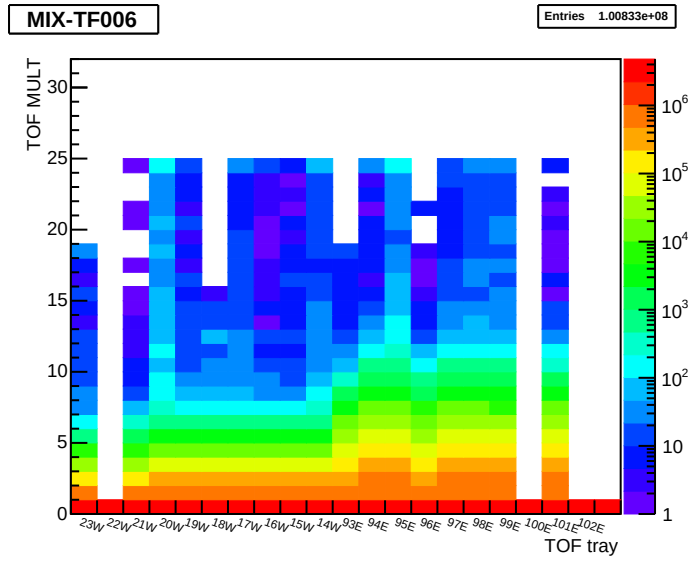

MIX-TF001
Entries 1.00833e+08
TOF MULT
TOF tray

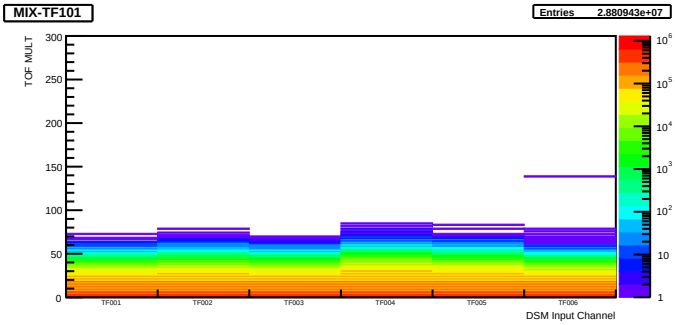

MIX-TF002
Entries 1.00833e+08
TOF MULT
TOF tray

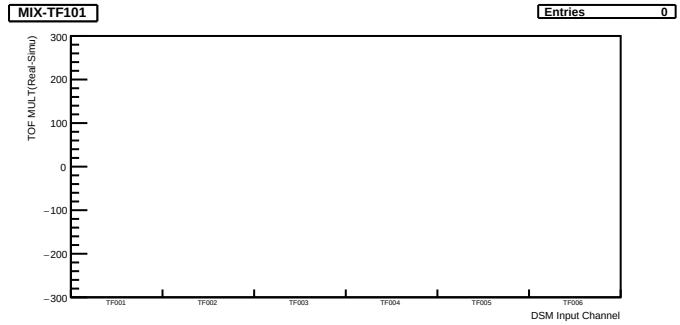

MIX-TF003
Entries 1.00833e+08
TOF MULT
TOF tray

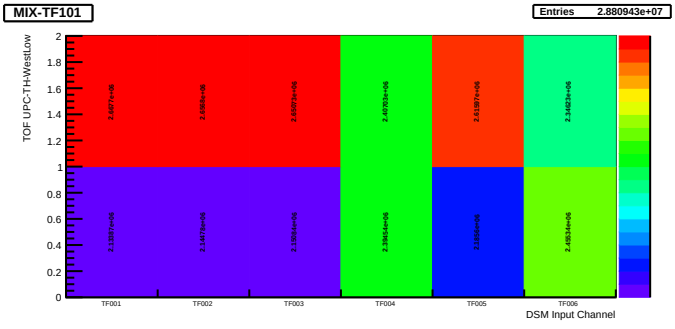

MIX-TF004
Entries 1.00833e+08
TOF MULT
TOF tray

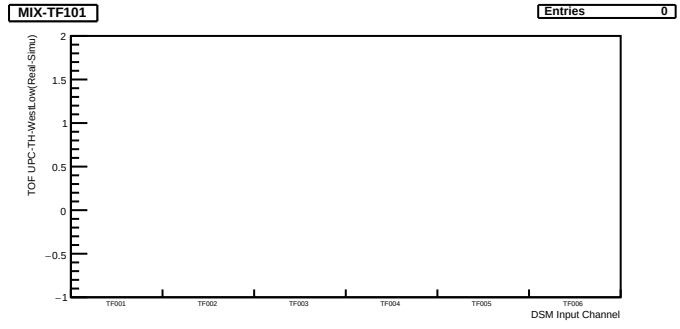

MIX-TF005
Entries 1.00833e+08
TOF MULT
TOF tray

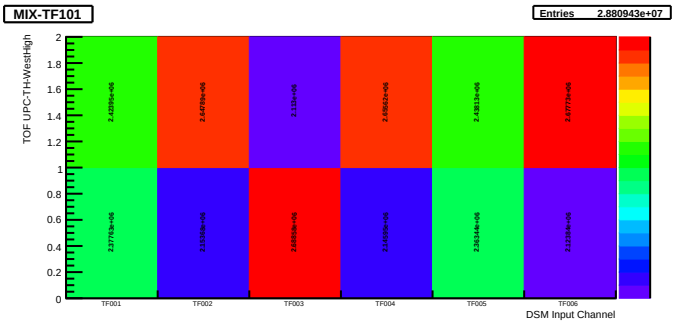

MIX-TF006
Entries 1.00833e+08
TOF MULT
TOF tray

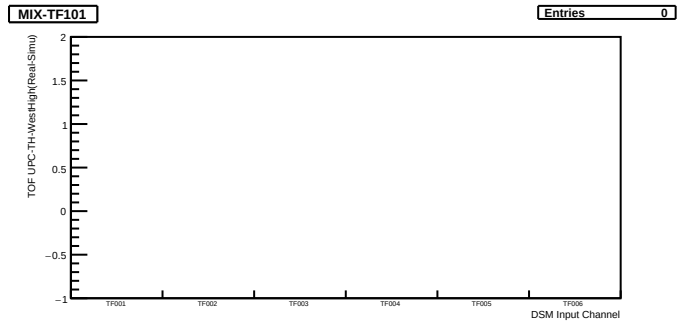

MIX-TF101
Entries 2.880943e+07
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

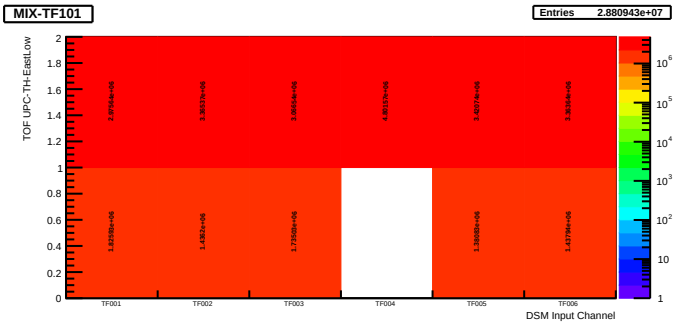

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

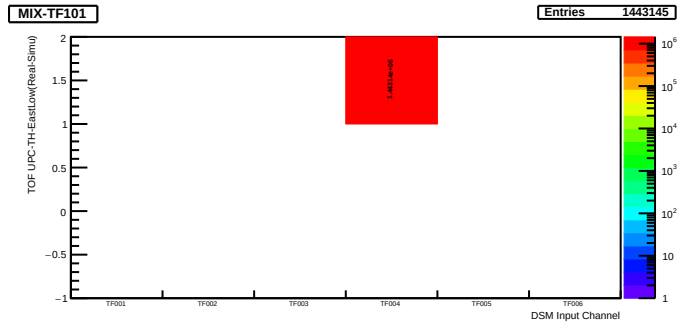

MIX-TF101
Entries 2.880943e+07
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

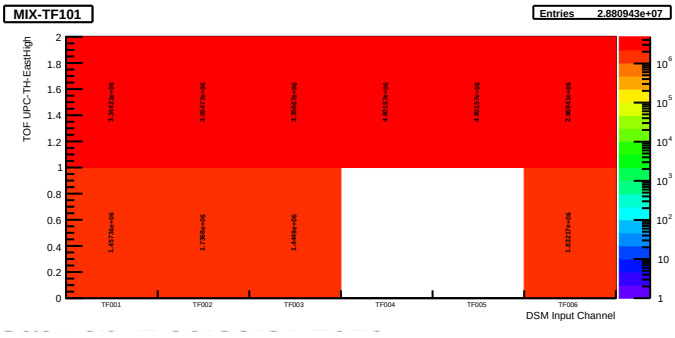

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

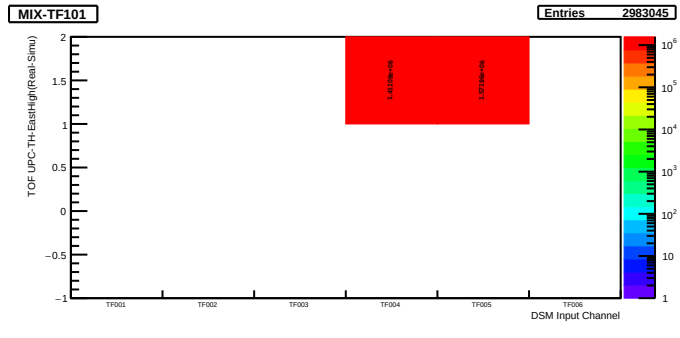

MIX-TF101
Entries 2.880943e+07
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

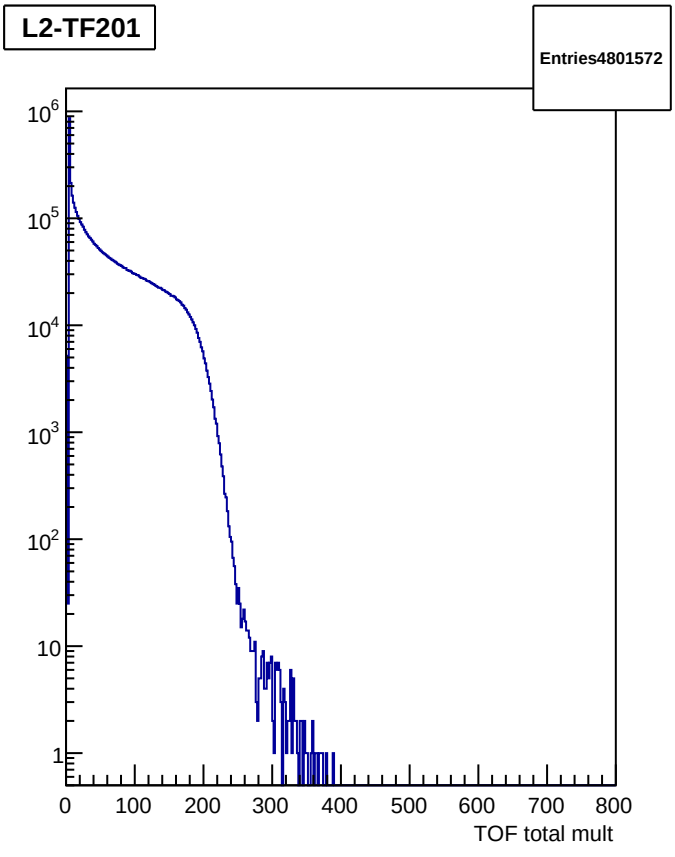

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

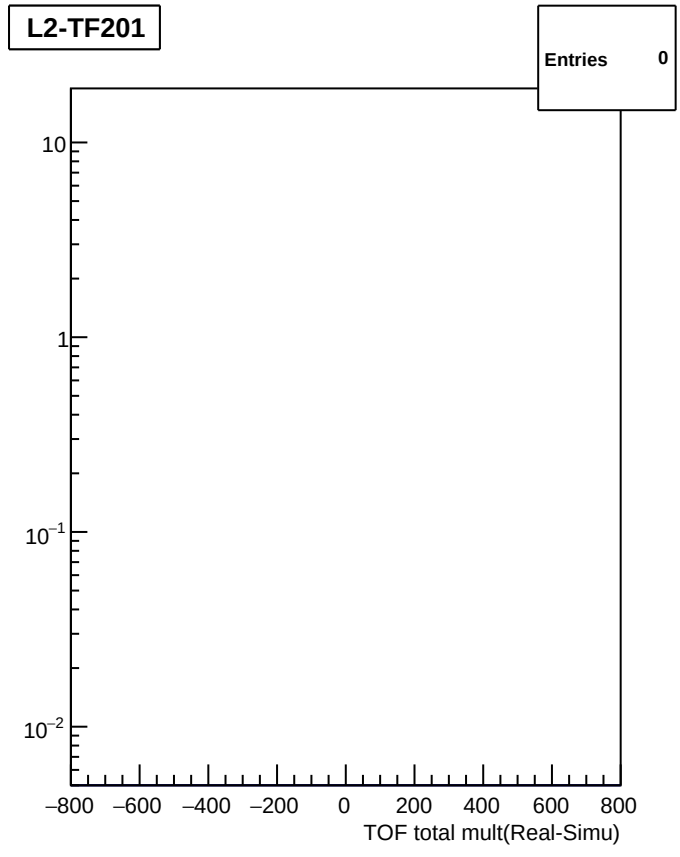

MIX-TF101
Entries 2.880943e+07
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

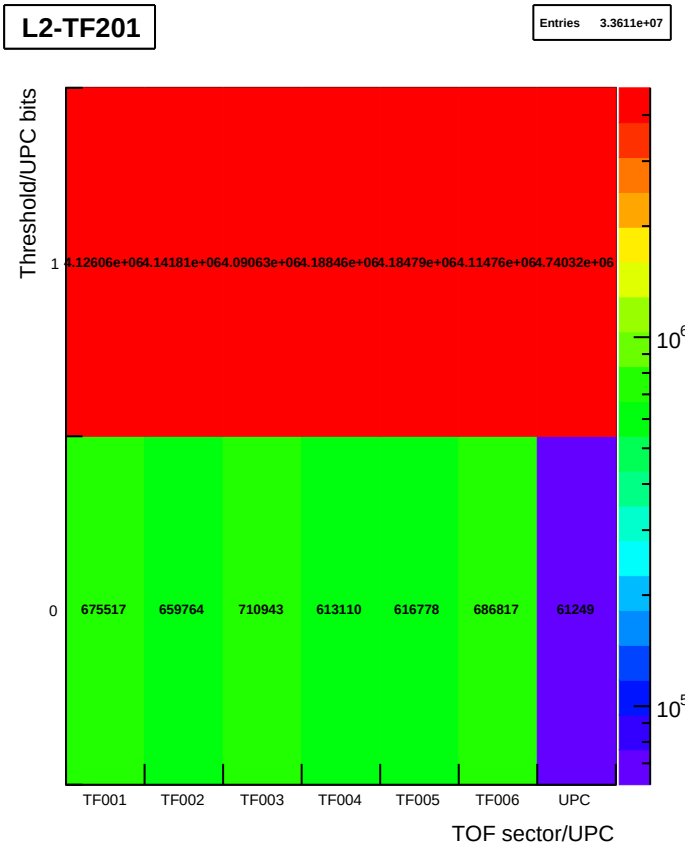

MIX-TF101
Entries 1443145
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

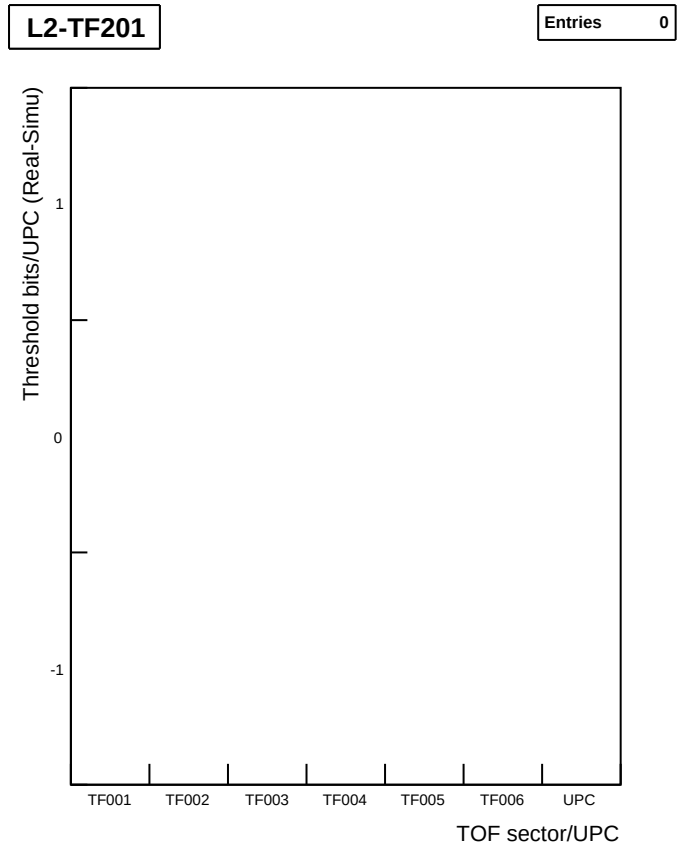

MIX-TF101
Entries 2.880943e+07
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

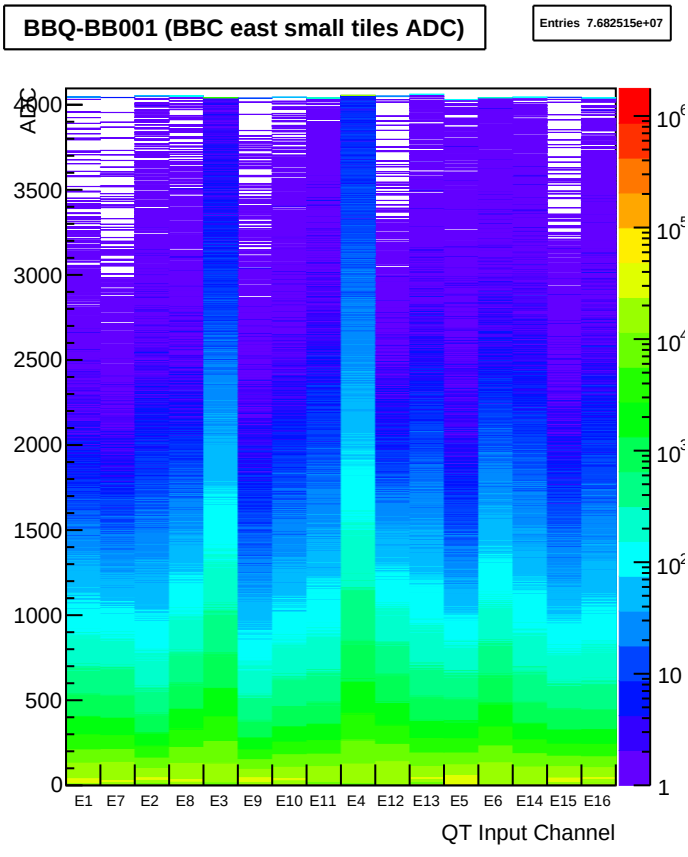

MIX-TF101
Entries 2983045
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

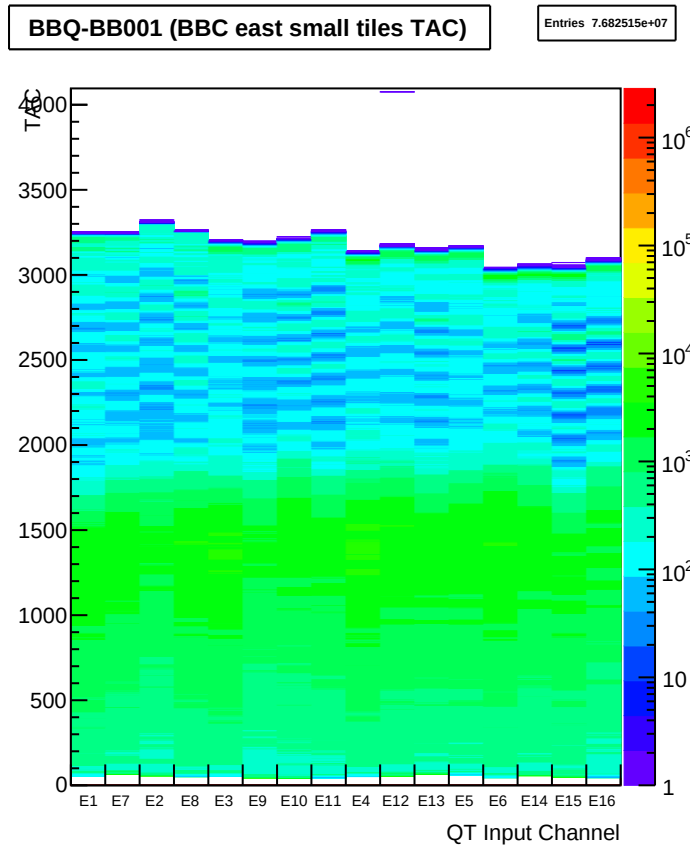

L2-TF201
Entries4801572
TOF total mult

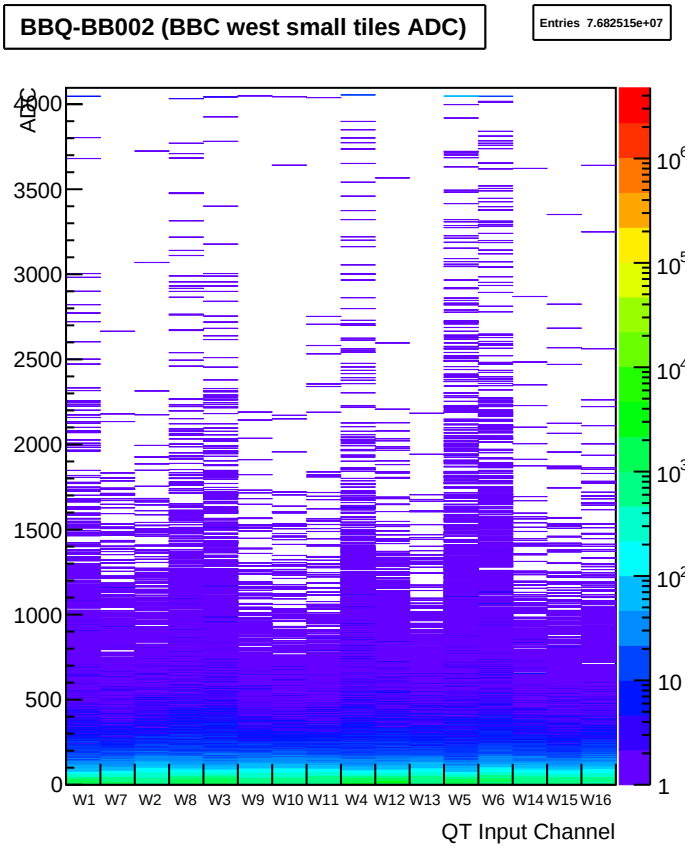

L2-TF201
Entries 0
TOF total mult(Real-Simu)

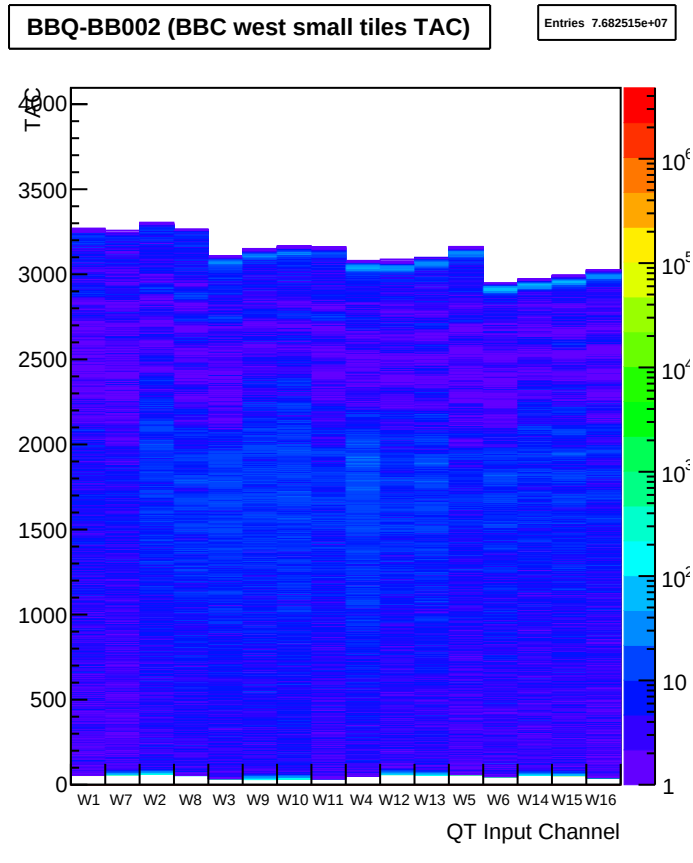

L2-TF201
Entries 3.3611e+07
Threshold/UPC bits
4.12606e+06
4.14181e+06
4.09063e+06
4.18846e+06
4.18479e+06
4.11476e+06
4.74032e+06
675517
659764
710943
613110
616778
686817
61249
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

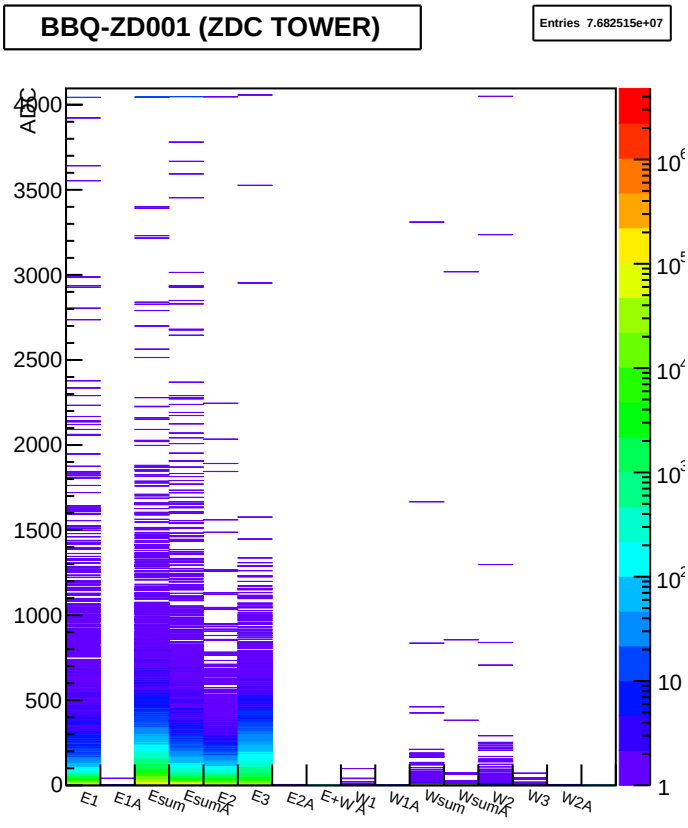

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

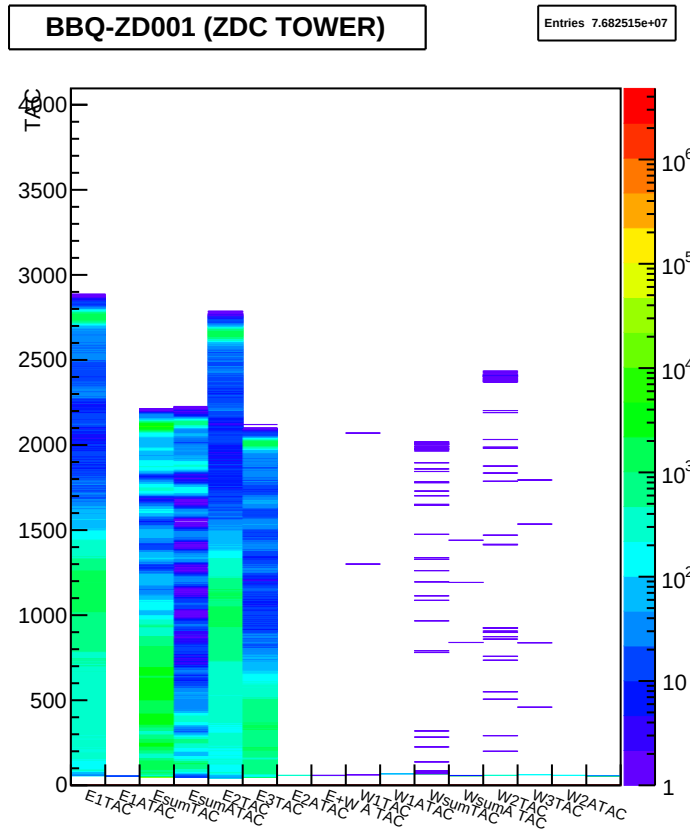

BBQ-BB001 (BBC east small tiles ADC)
Entries 7.682515e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

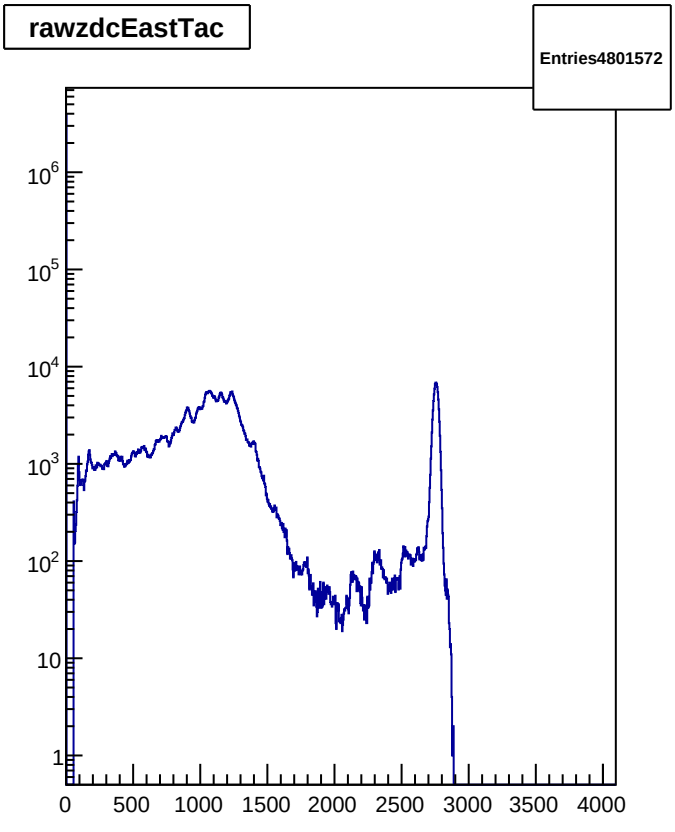

BBQ-BB001 (BBC east small tiles TAC)
Entries 7.682515e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

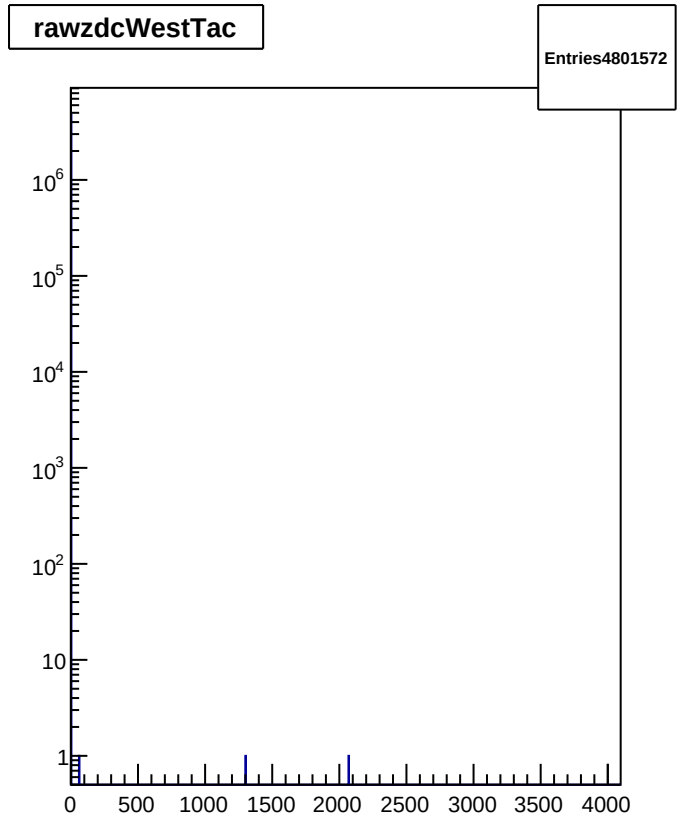

BBQ-BB002 (BBC west small tiles ADC)
Entries 7.682515e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

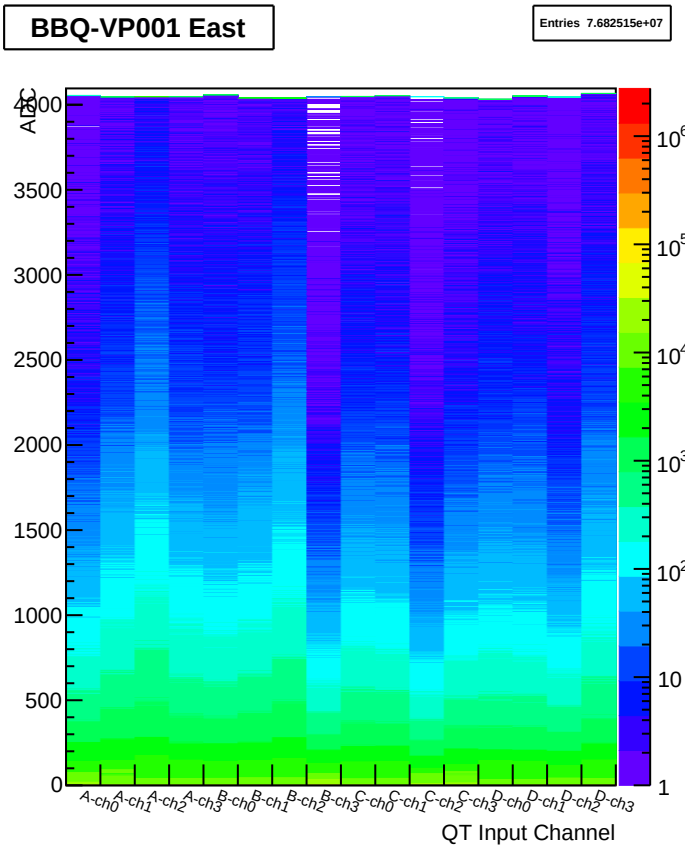

BBQ-BB002 (BBC west small tiles TAC)
Entries 7.682515e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

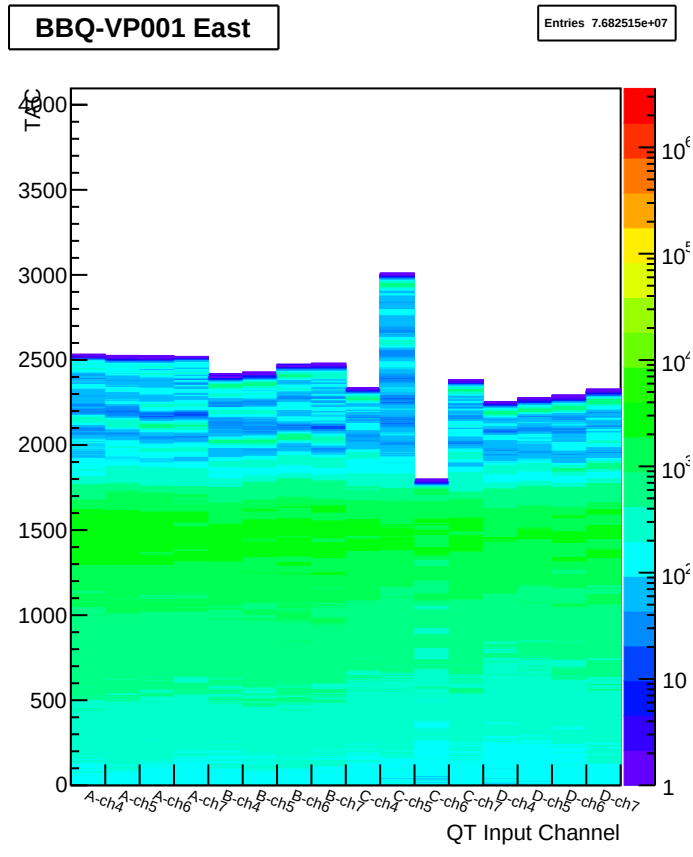

BBQ-ZD001 (ZDC TOWER)
Entries 7.682515e+07
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1A
W1A
Wsum
WsumA
W2
W3
W2A

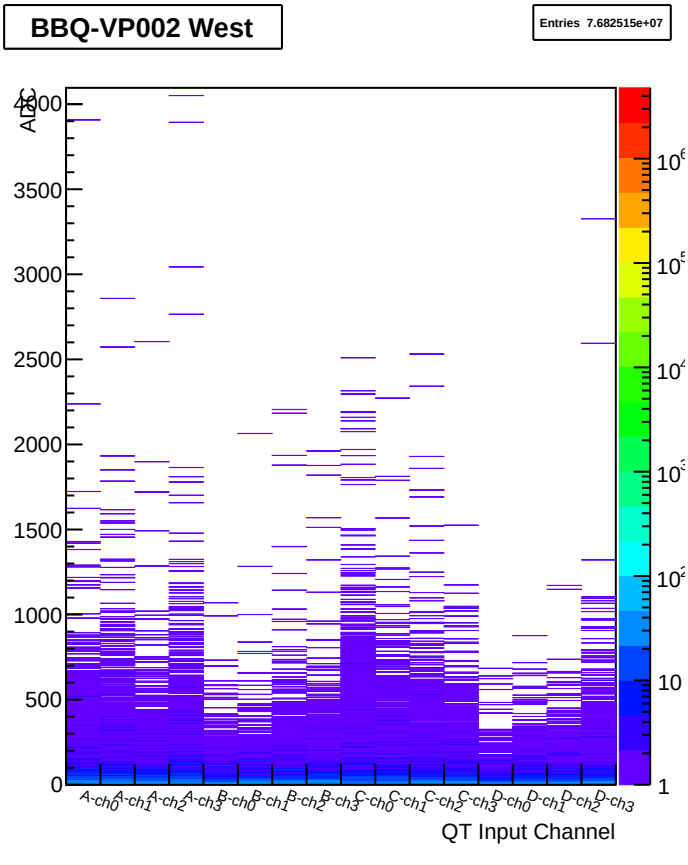

BBQ-ZD001 (ZDC TOWER)
Entries 7.682515e+07
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

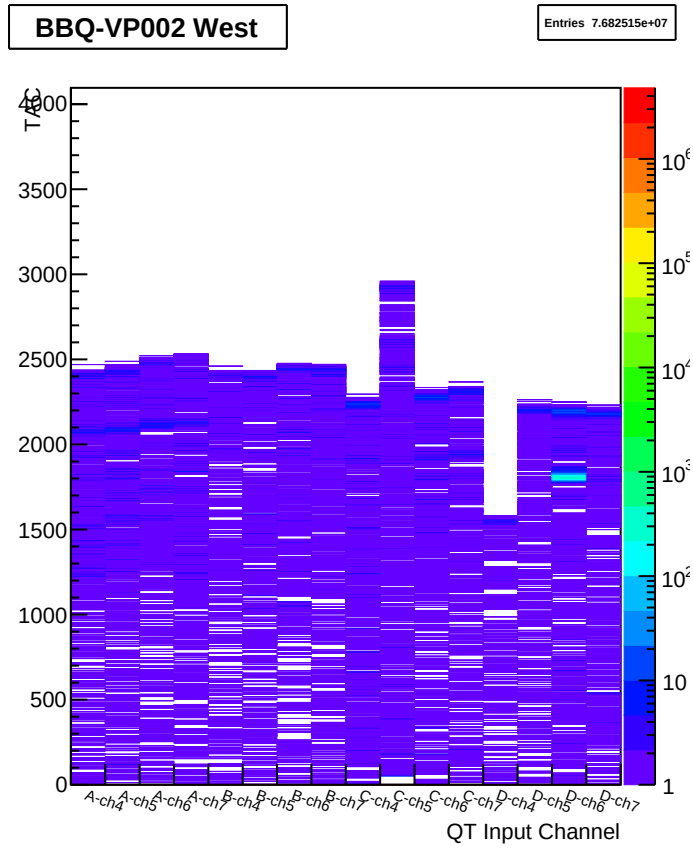

rawzdcEastTac
Entries4801572

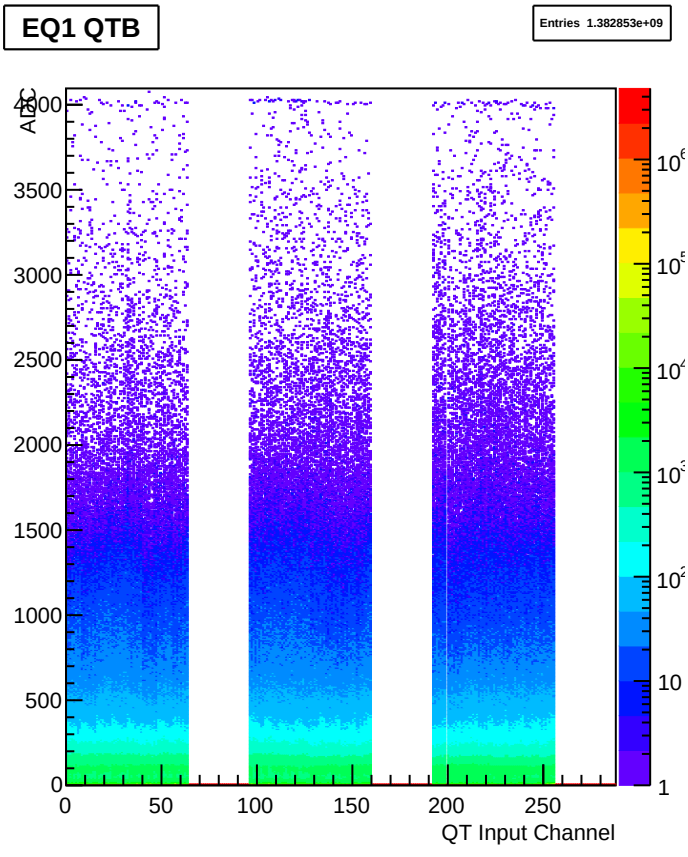

rawzdcWestTac
Entries4801572

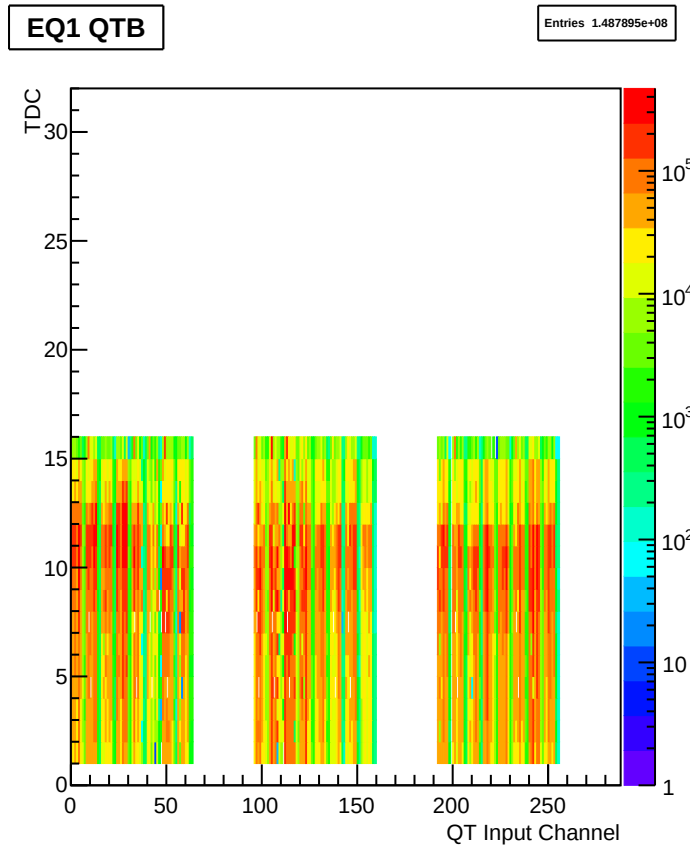

BBQ-VP001 East
Entries 7.682515e+07
ADC
QT Input Channel

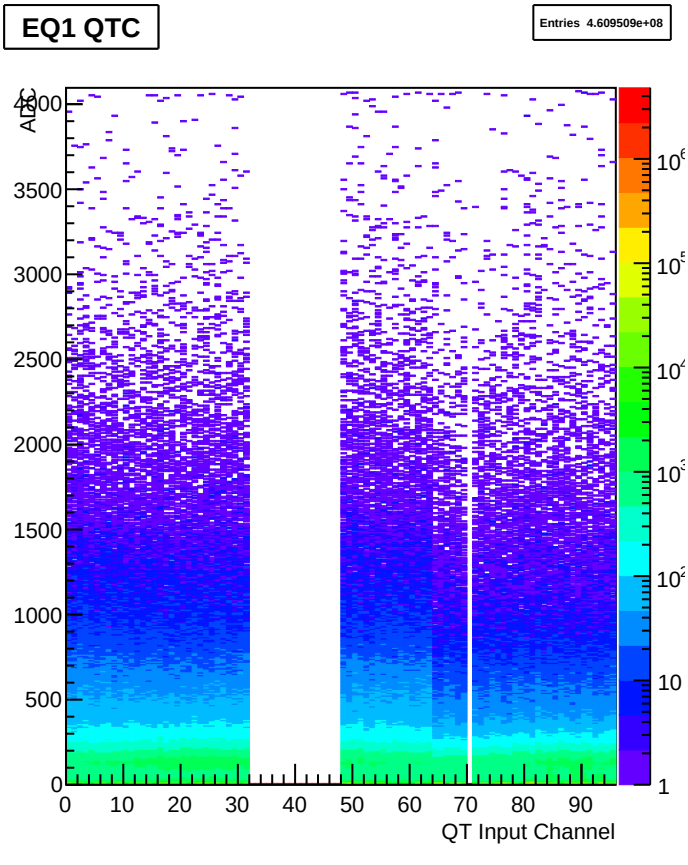

BBQ-VP001 East
Entries 7.682515e+07
TAC
QT Input Channel

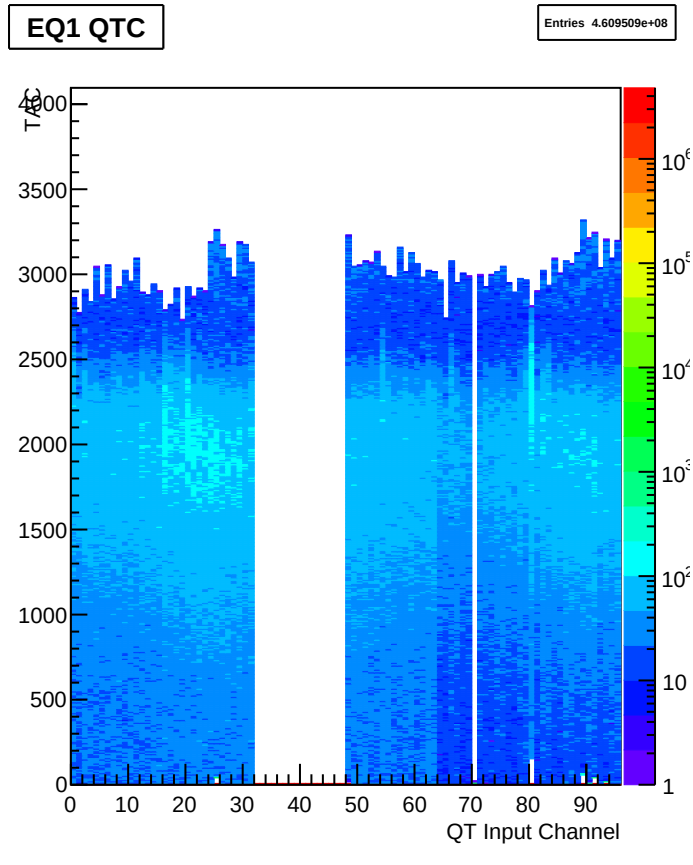

BBQ-VP002 West
Entries 7.682515e+07
ADC
QT Input Channel

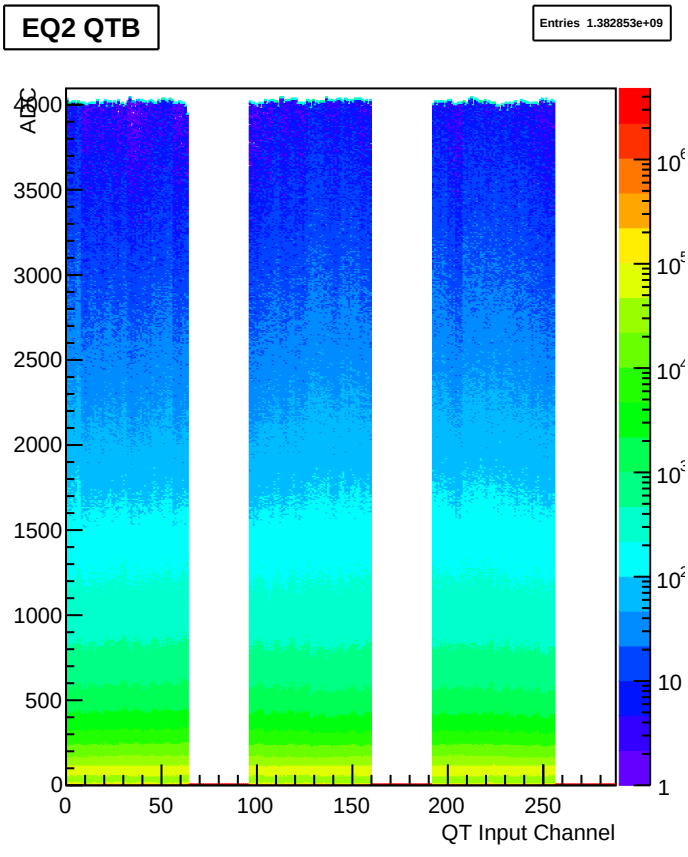

BBQ-VP002 West
Entries 7.682515e+07
TAC
QT Input Channel

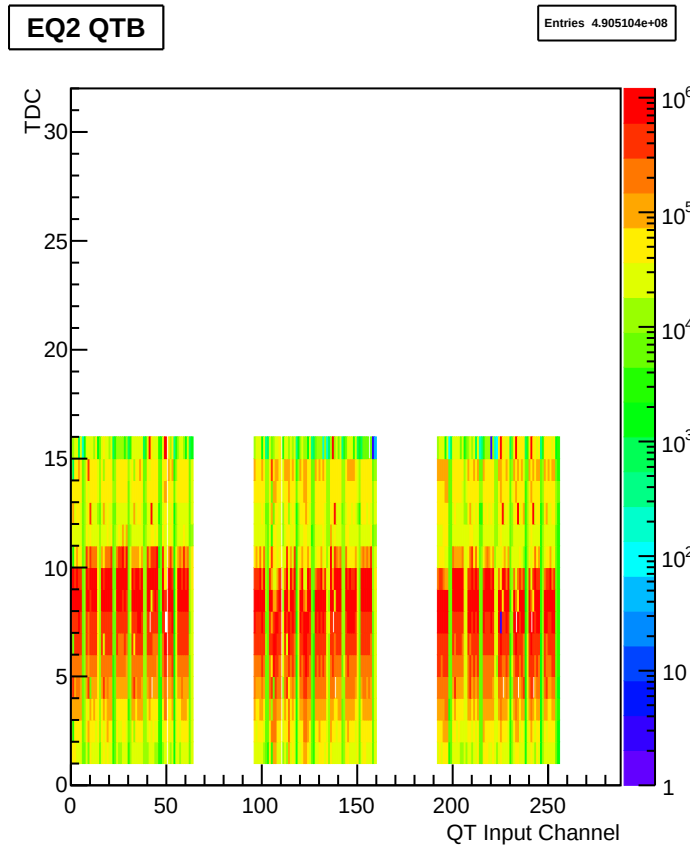

EQ1 QTB
Entries 1.382853e+09
ADC
QT Input Channel

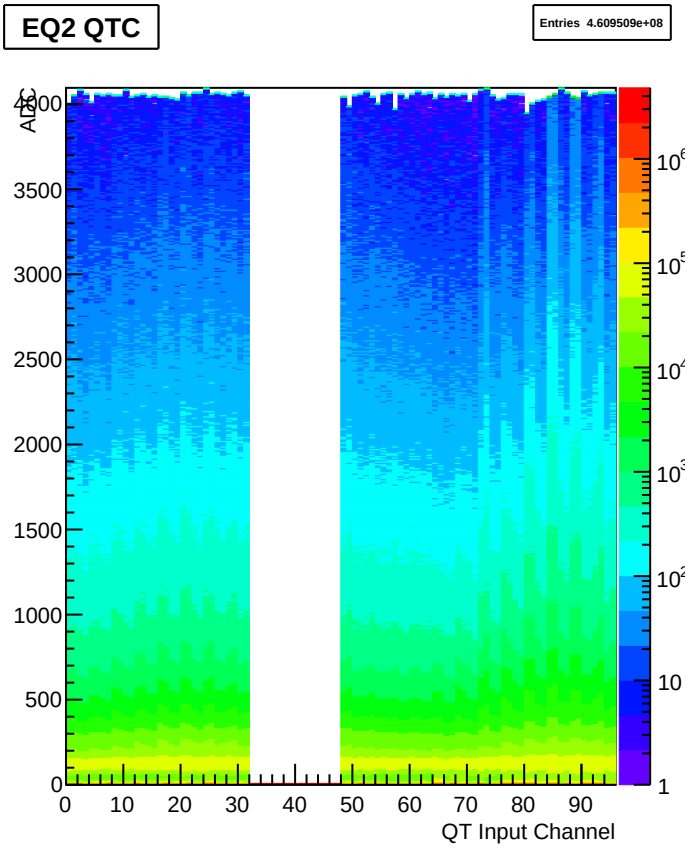

EQ1 QTB
Entries 1.487895e+08
TDC
QT Input Channel

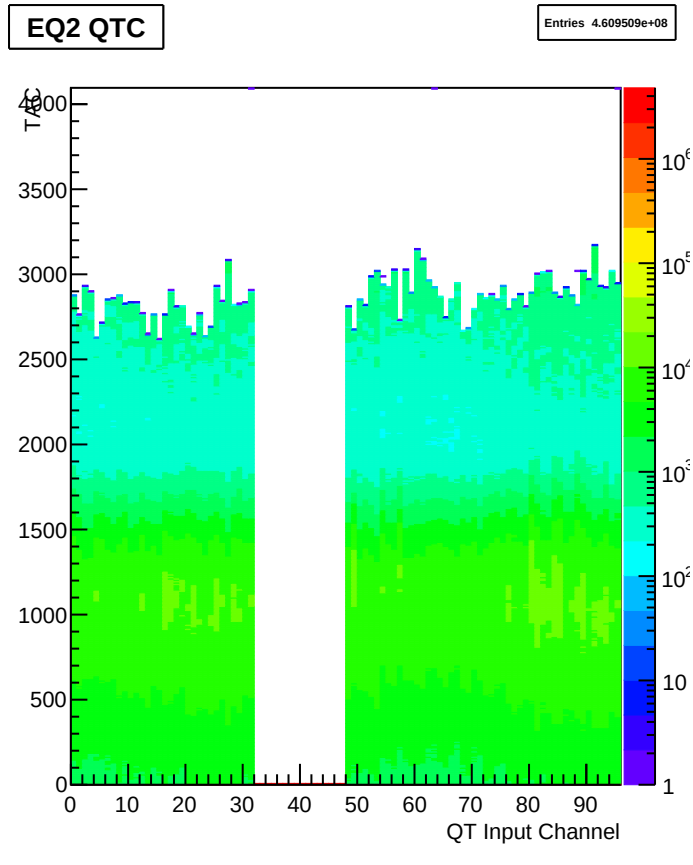

EQ1 QTC
Entries 4.609509e+08
ADC
QT Input Channel

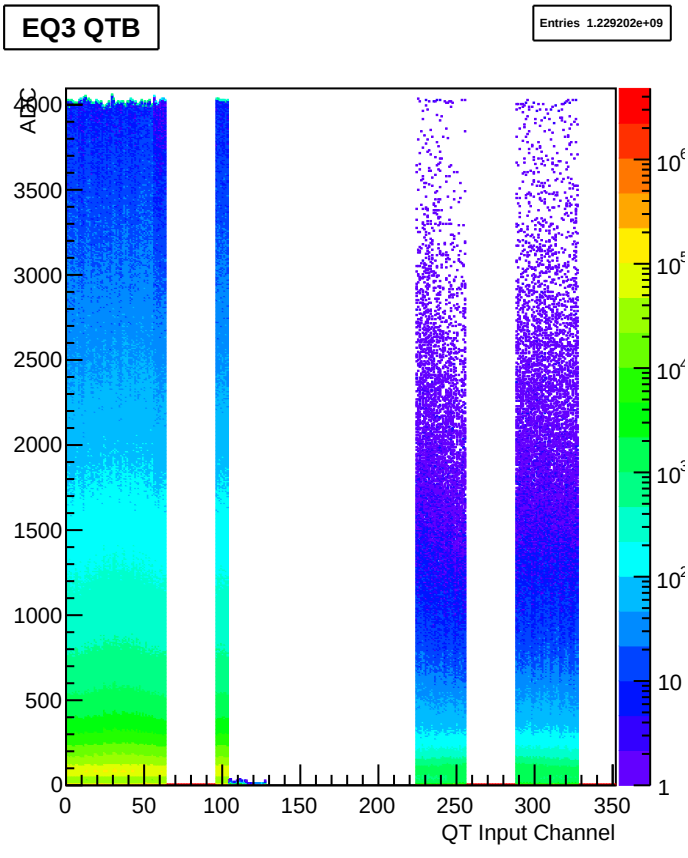

EQ1 QTC
Entries 4.609509e+08
TADC
QT Input Channel

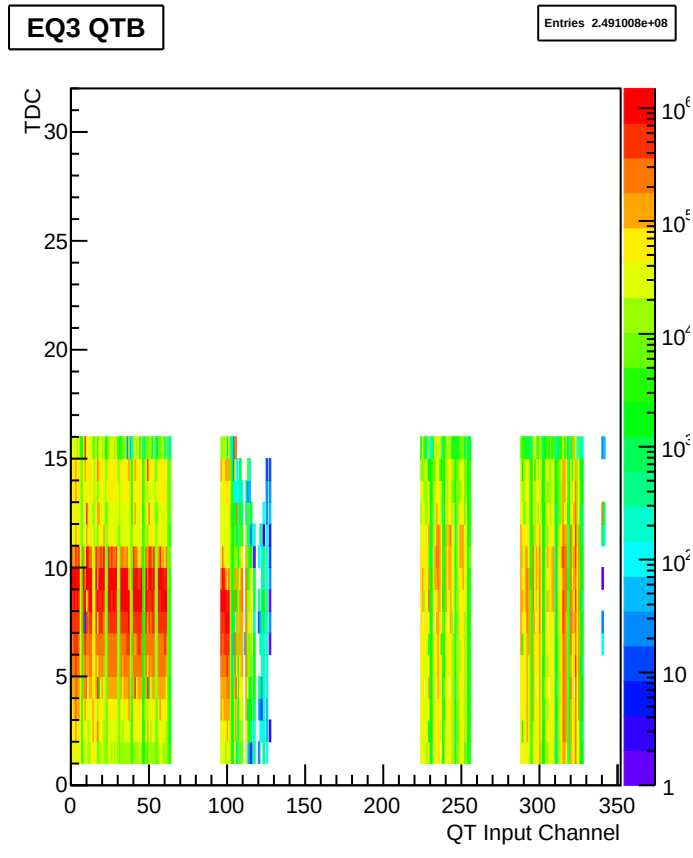

EQ2 QTB
Entries 1.382853e+09
ADC
QT Input Channel

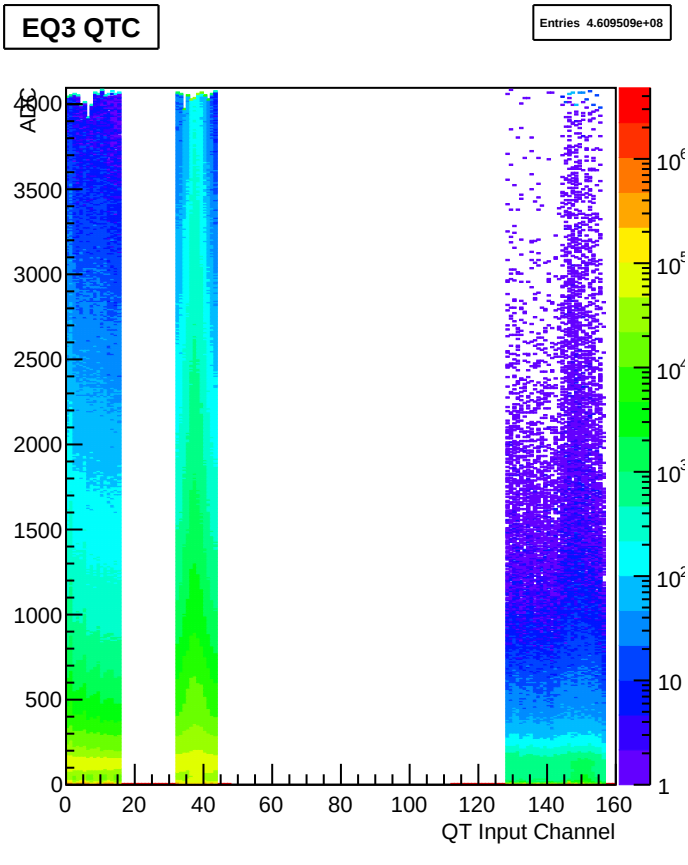

EQ2 QTB
Entries 4.905104e+08
TDC
QT Input Channel

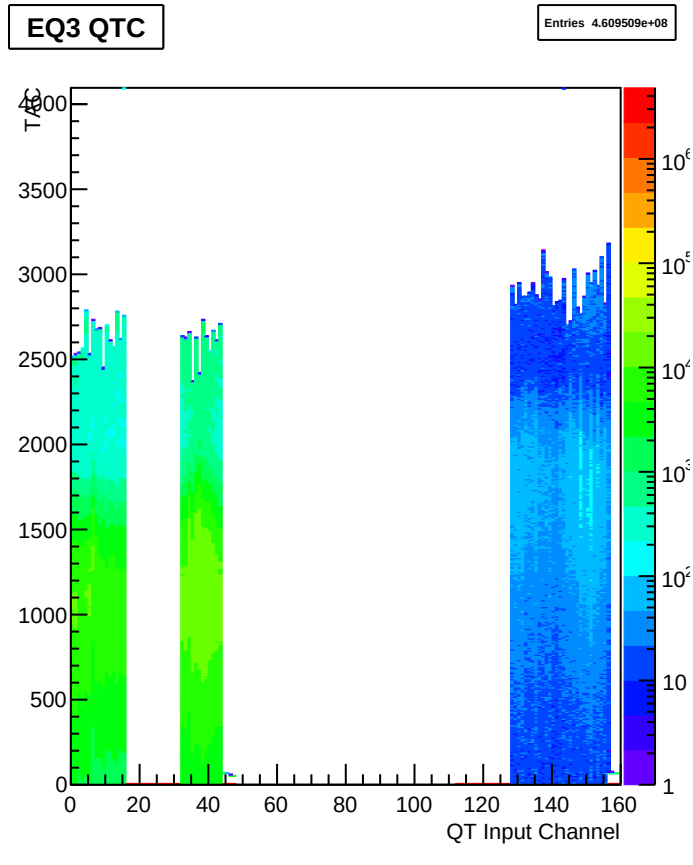

EQ2 QTC
Entries 4.609509e+08
ADC
QT Input Channel

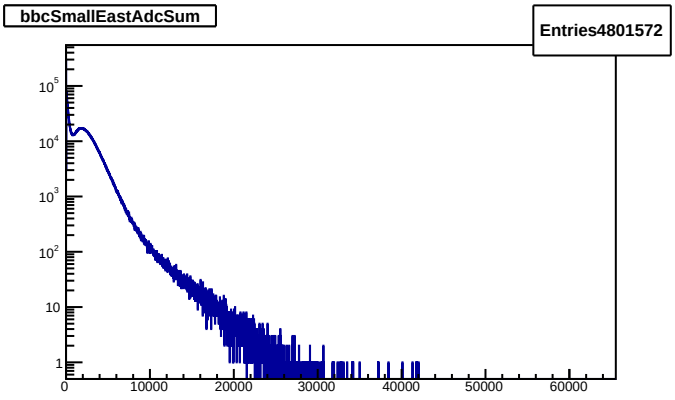

EQ2 QTC
Entries 4.609509e+08
TADC
QT Input Channel

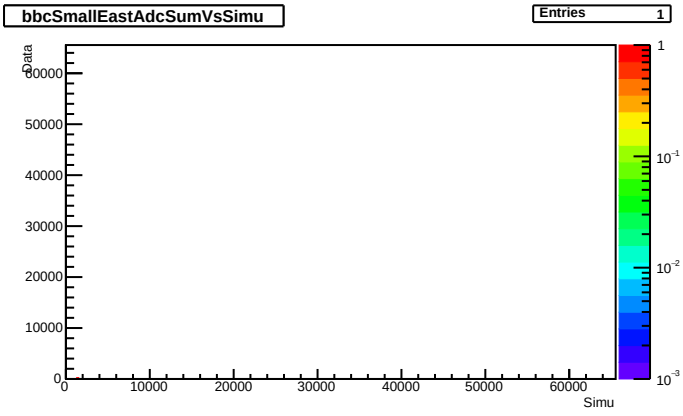

EQ3 QTB
Entries 1.229202e+09
ADC
QT Input Channel

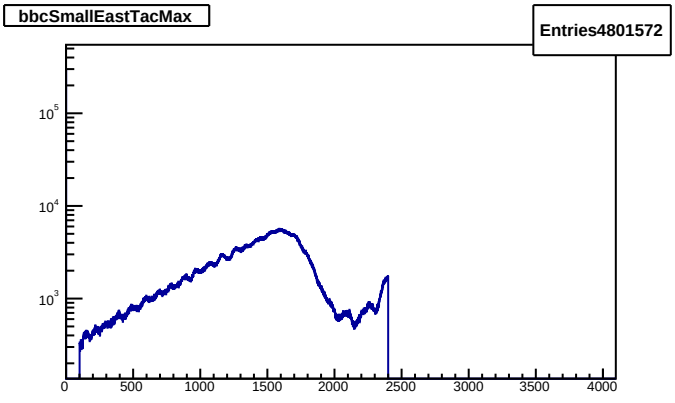

EQ3 QTB
Entries 2.491008e+08
TDC
QT Input Channel

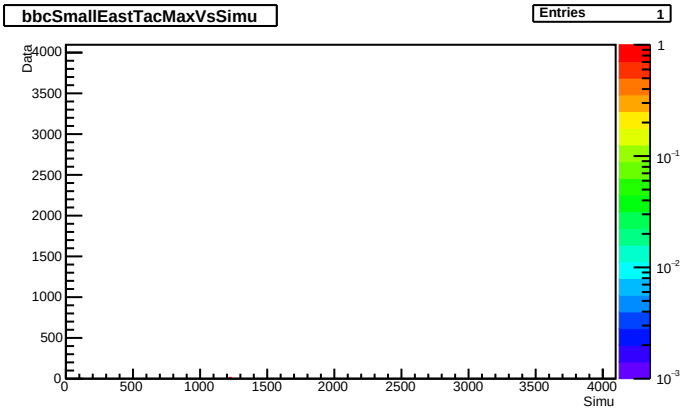

EQ3 QTC
Entries 4.609509e+08
ADC
QT Input Channel

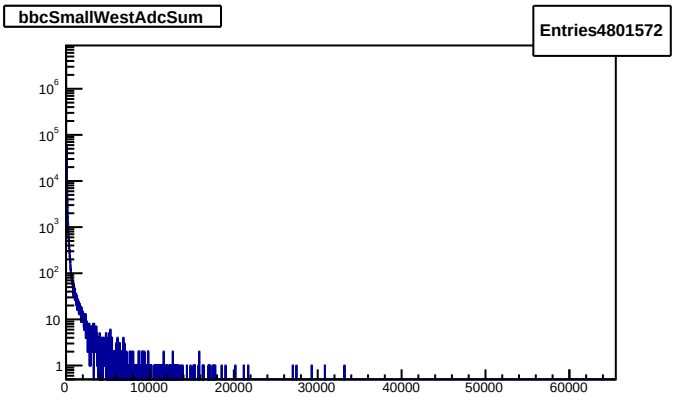

EQ3 QTC
Entries 4.609509e+08
TADC
QT Input Channel

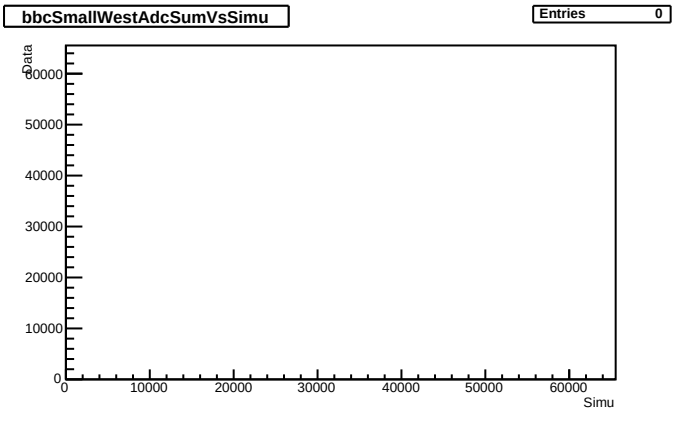

bbcSmallEastAdcSum
Entries4801572


bbcSmallEastAdcSumVsSimu
Entries 1
Data
Simu


bbcSmallEastTacMax
Entries4801572


bbcSmallEastTacMaxVsSimu
Entries 1
Data
Simu


bbcSmallWestAdcSum
Entries4801572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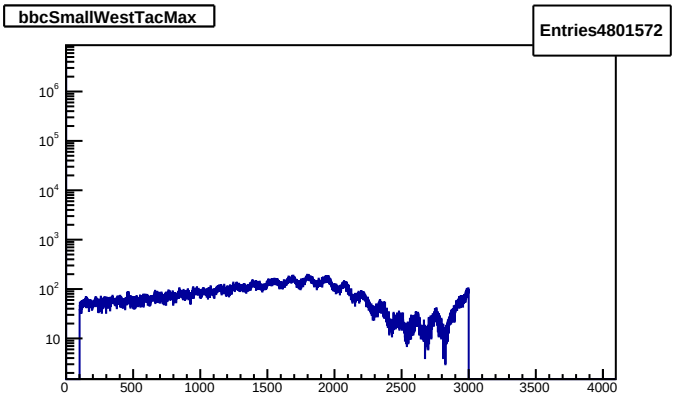
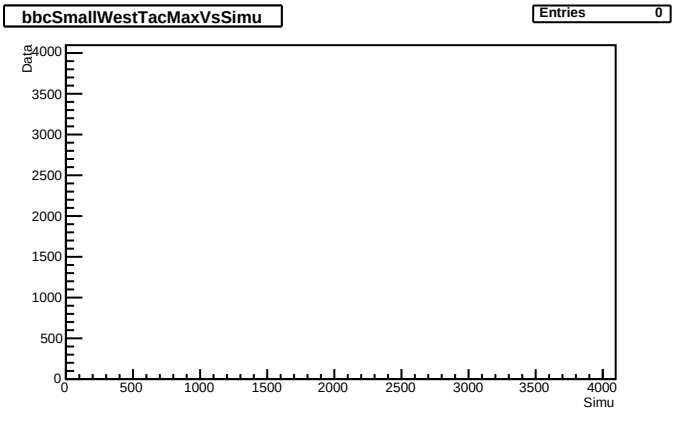
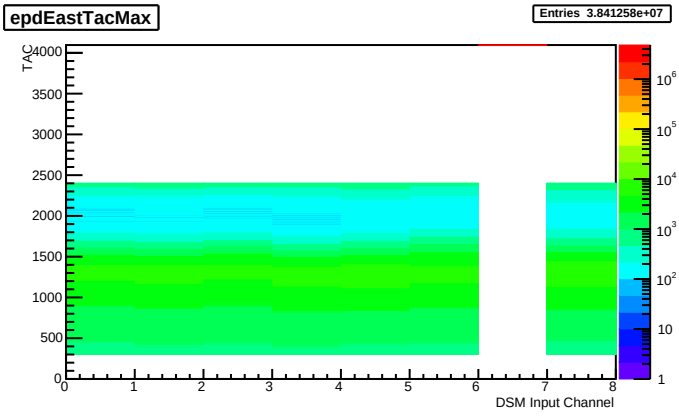
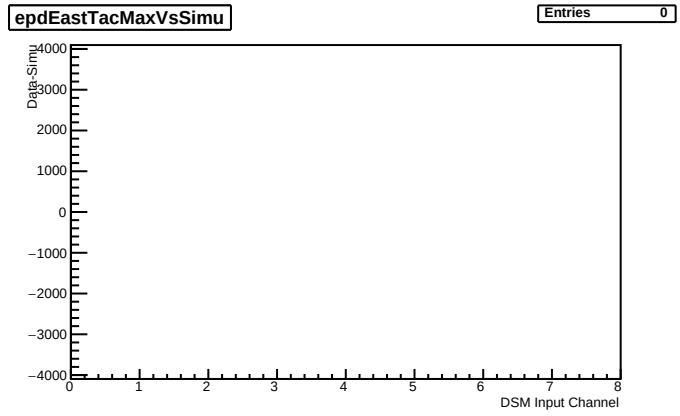
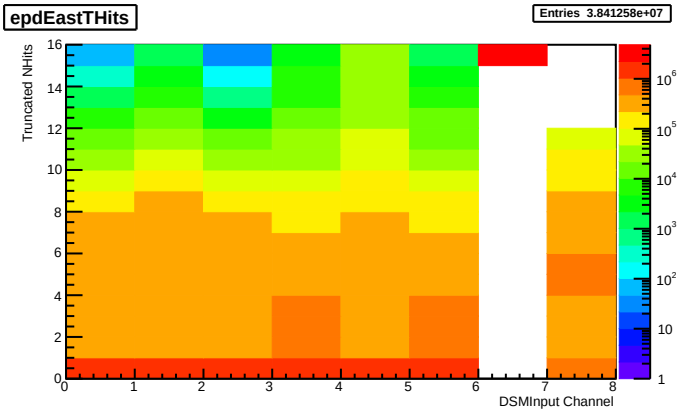
Entries 0
Data
Simu

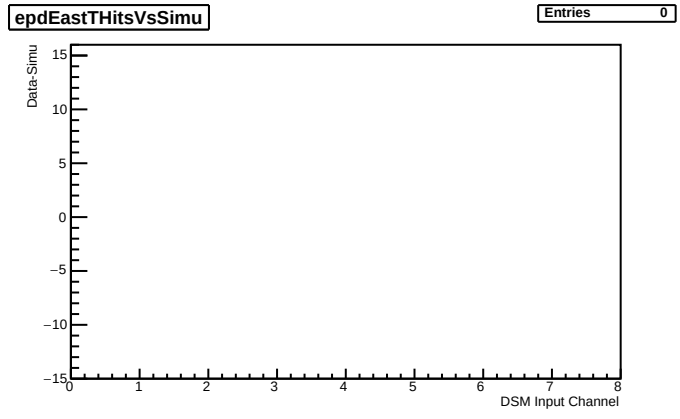

bbcSmallWestTacMax
Entries4801572


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 3.841258e+07
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3.841258e+07
Truncated NHits
DSMInput Channel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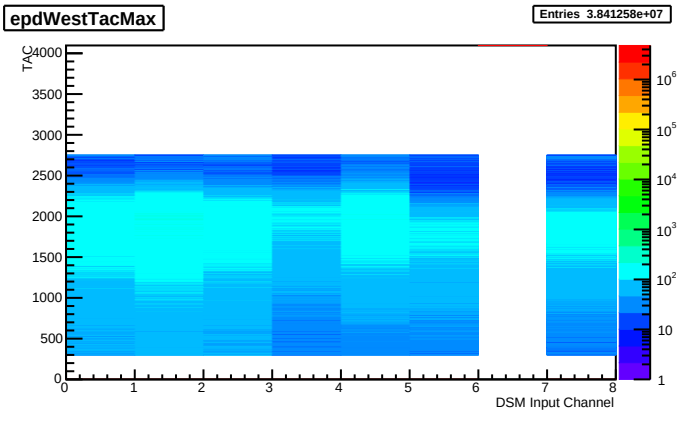
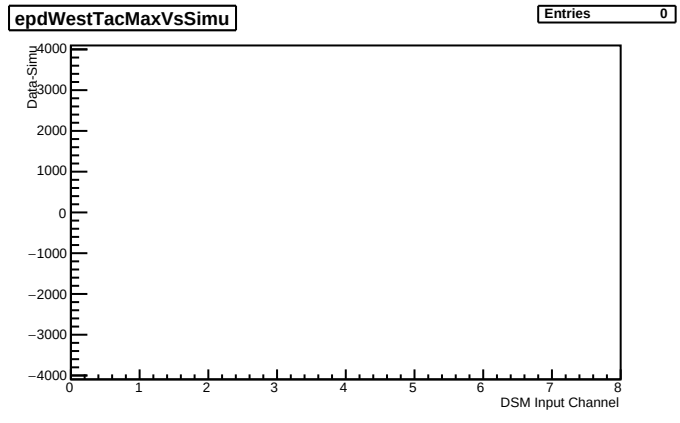
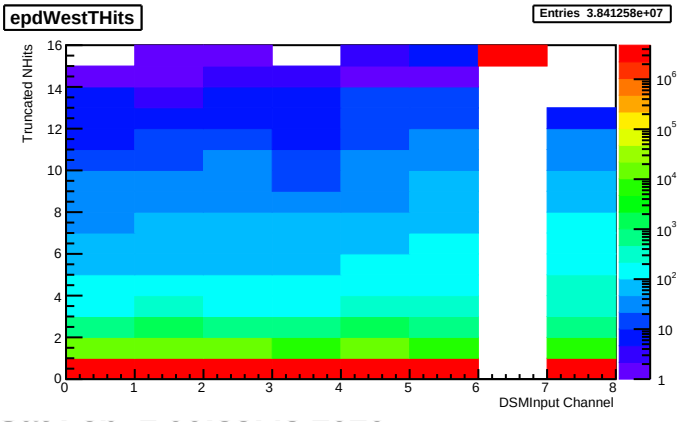
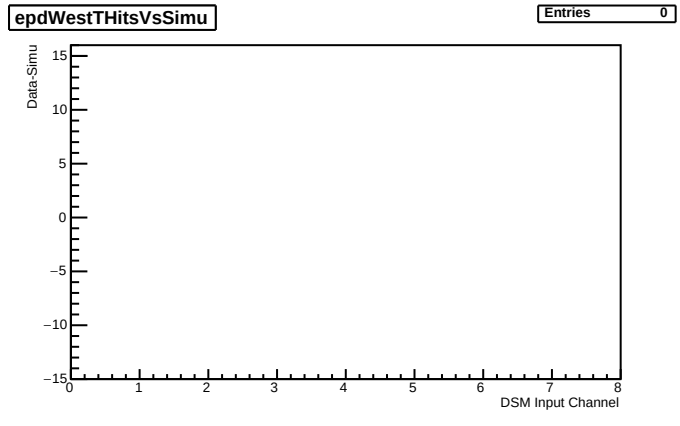
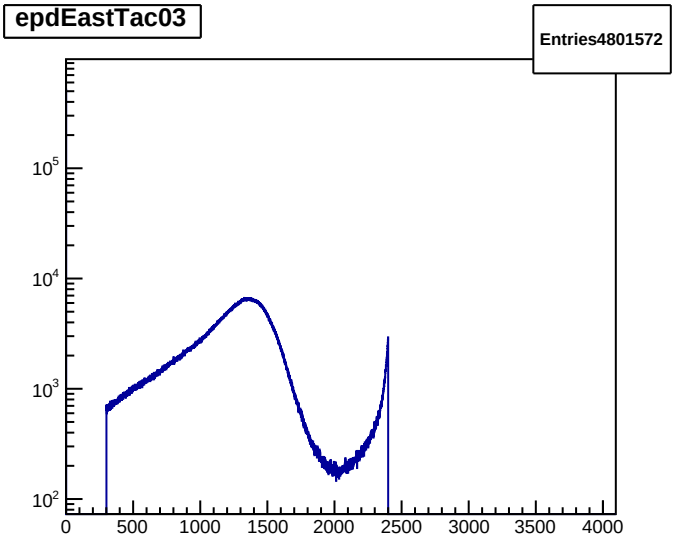
DSM Input Channel

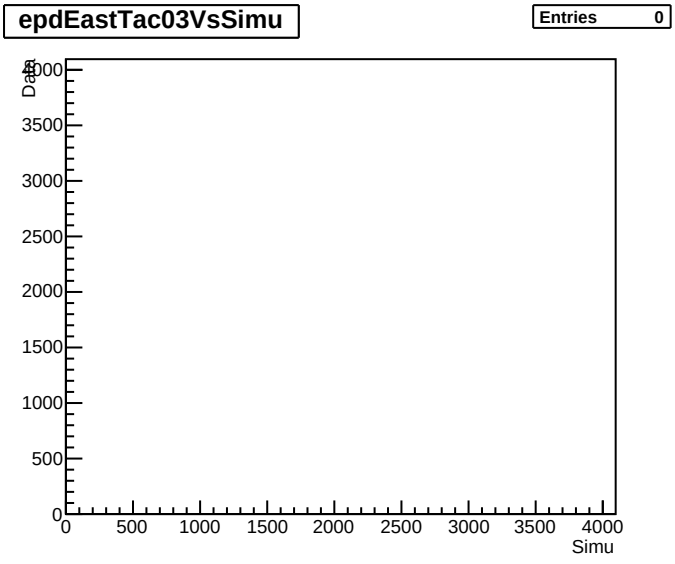

epdWestTacMax
Entries 3.841258e+07
TAC
DSM Input Channel


epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3.841258e+07
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries4801572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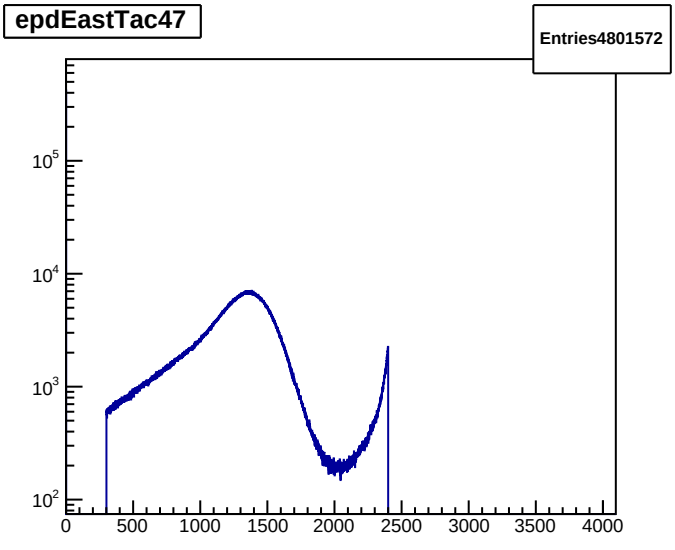
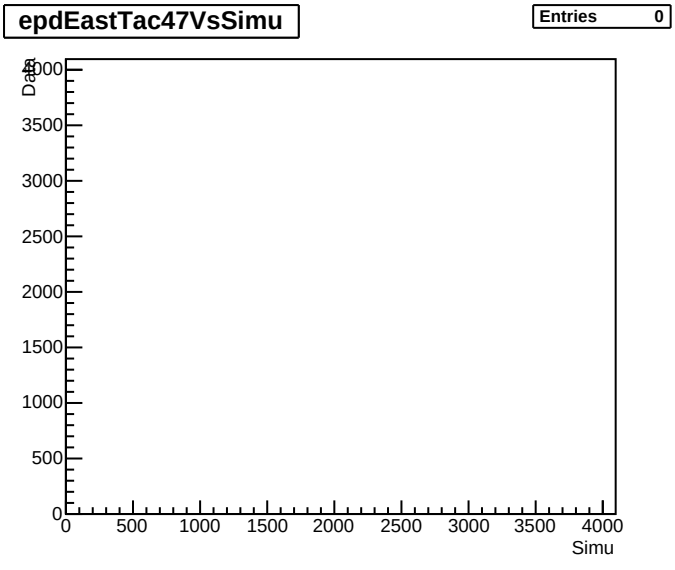
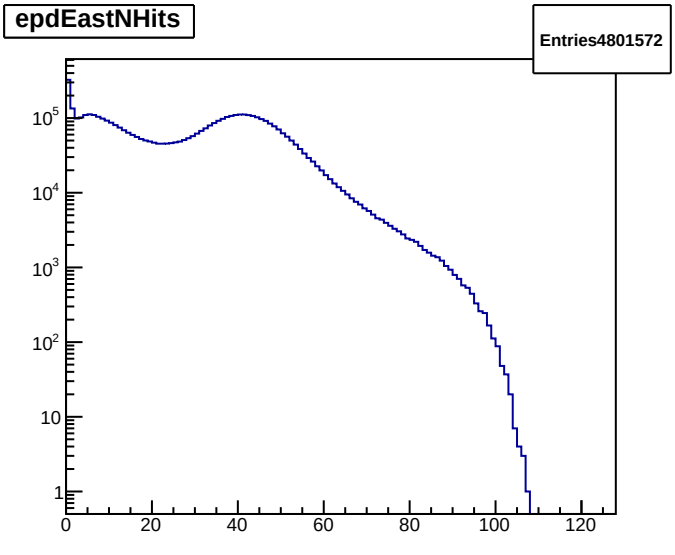
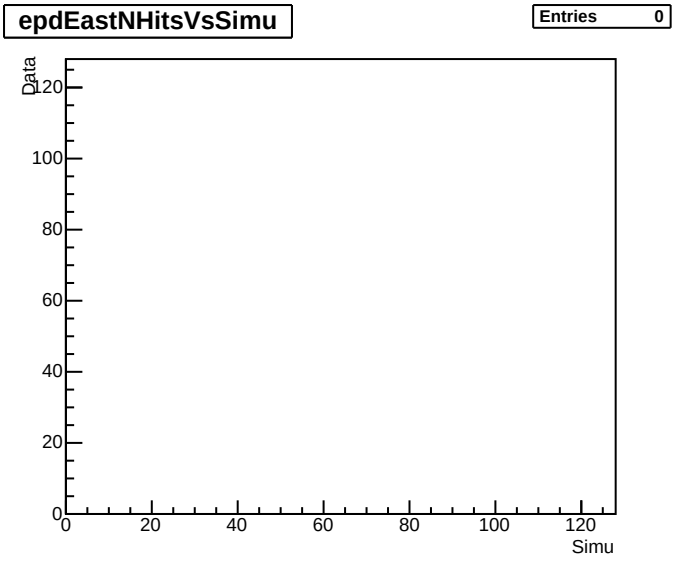
Entries 0
Data
Simu


epdEastTac47
Entries4801572


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries4801572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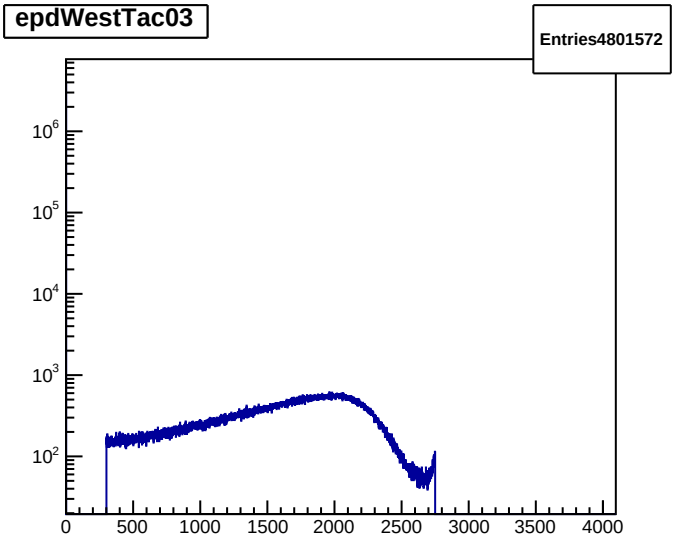
Entries 0
Data
Simu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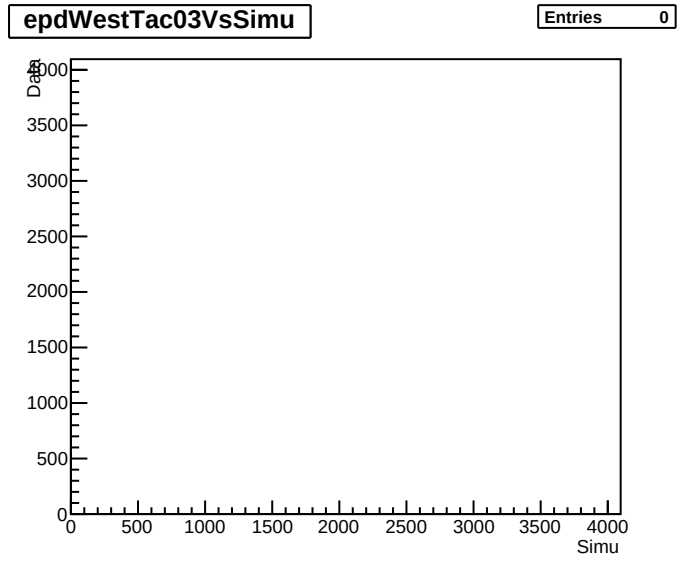
Entries4801572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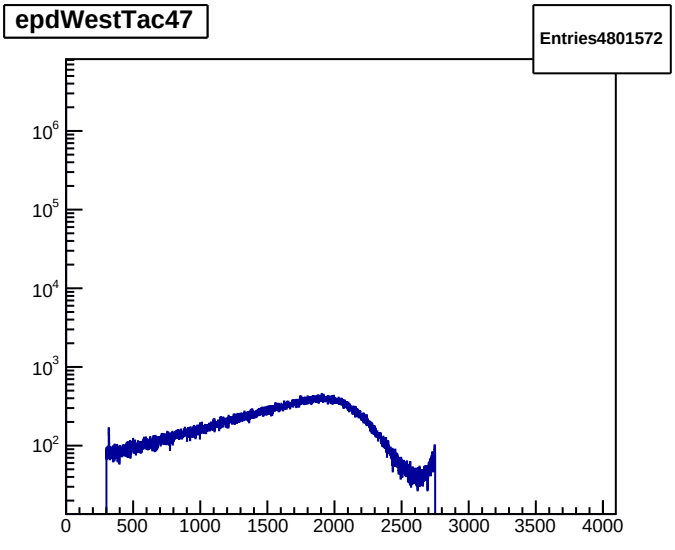
Entries 0
Data
Simu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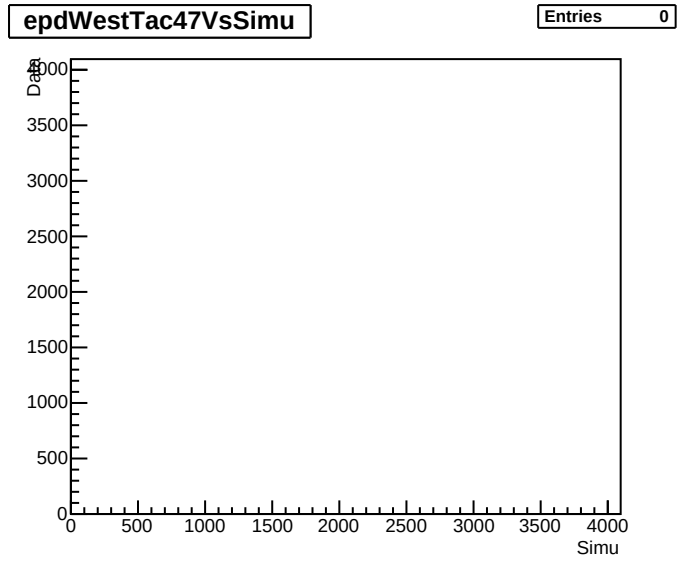
Entries4801572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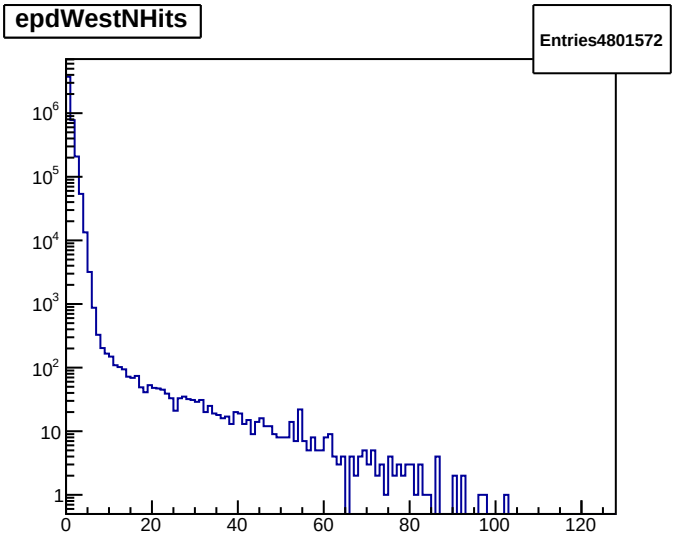
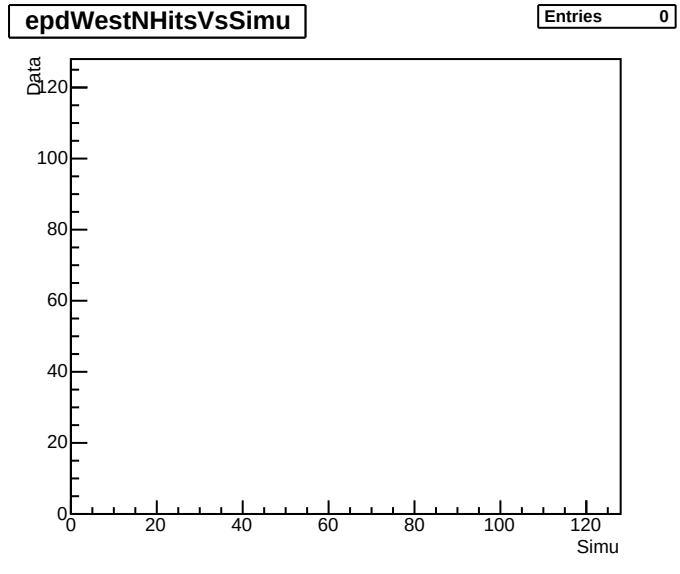
Entries 0
Data
Simu


epdWestNHits
Entries4801572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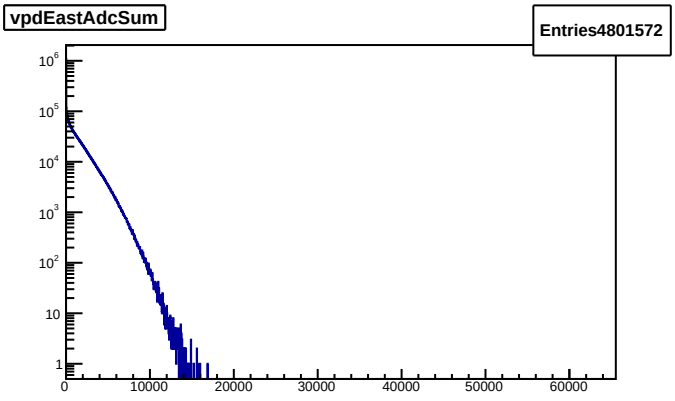
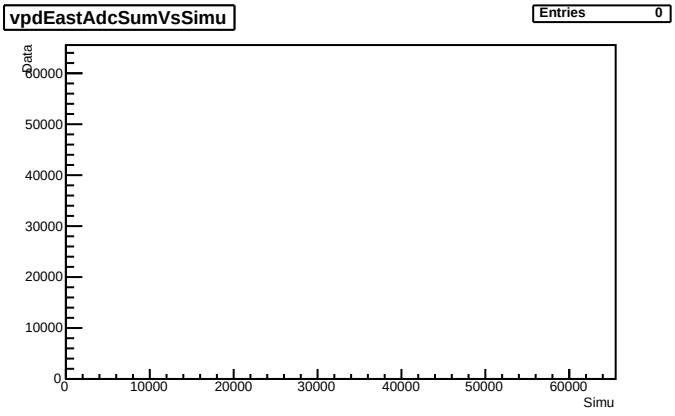
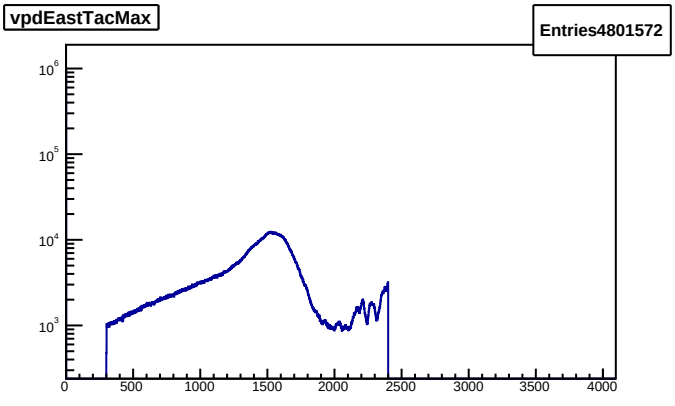
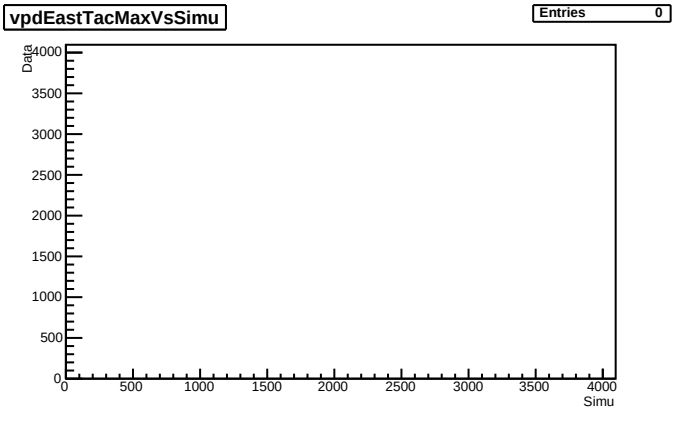
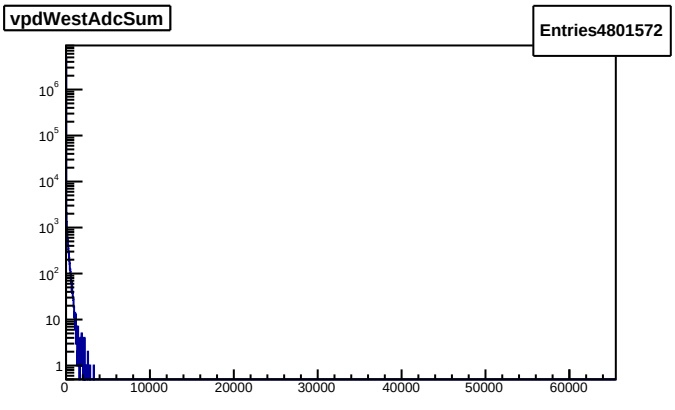
Entries 0
Data
Simu

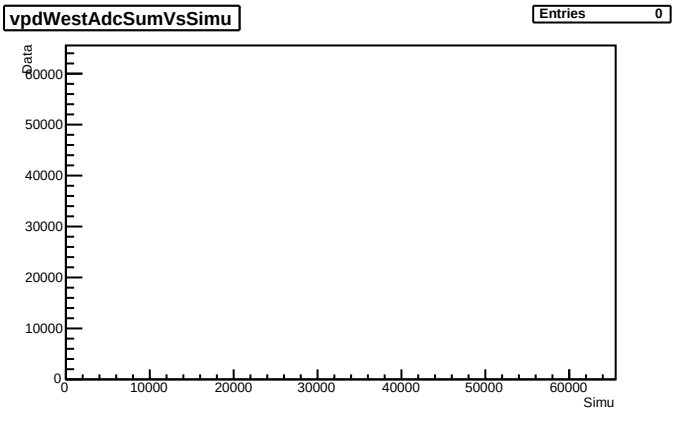

vpdEastAdcSum
Entries4801572


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries4801572


vpdEastTacMaxVsSimu
Entries 0
Data
Simu


vpdWestAdcSum
Entries4801572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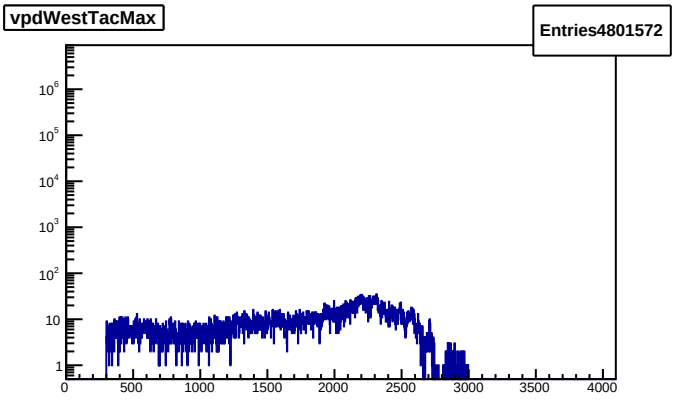
Entries 0
Data
Simu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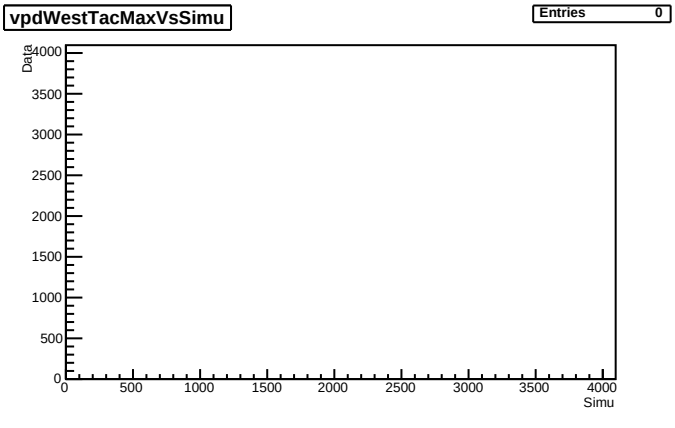
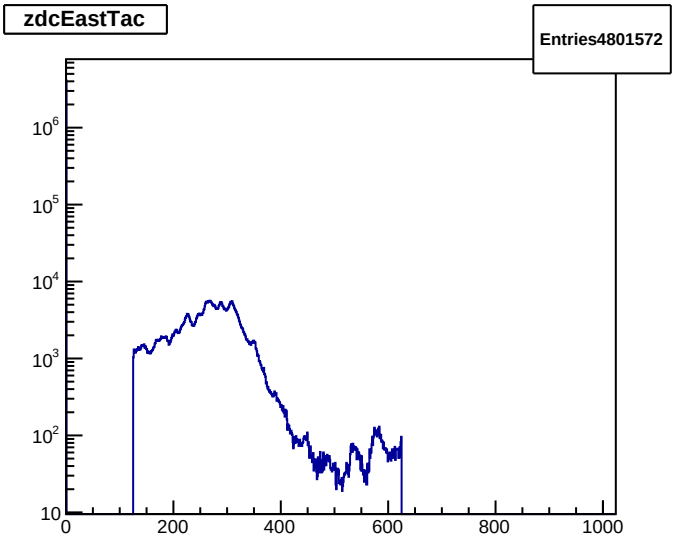
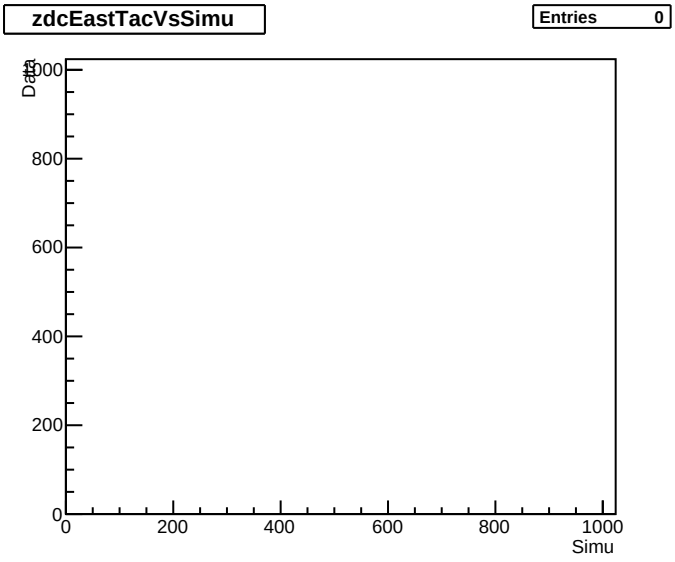
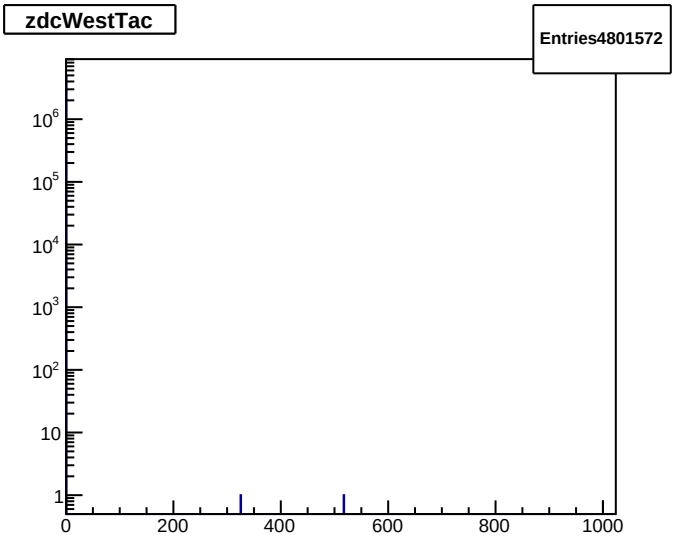
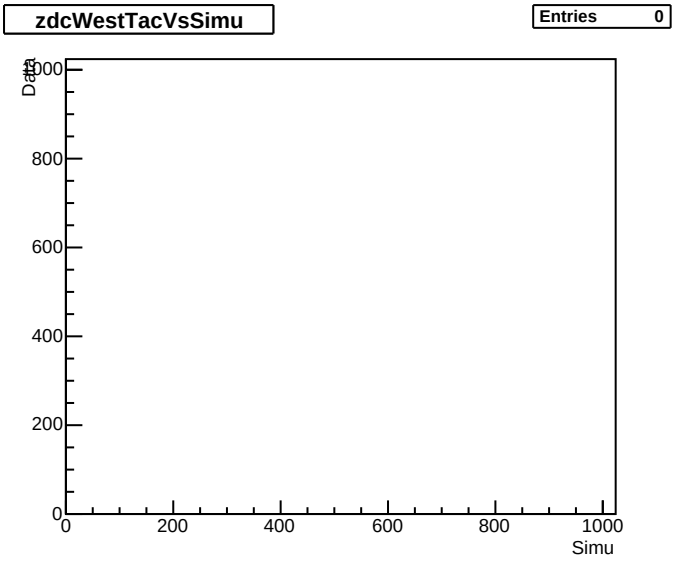
Entries4801572

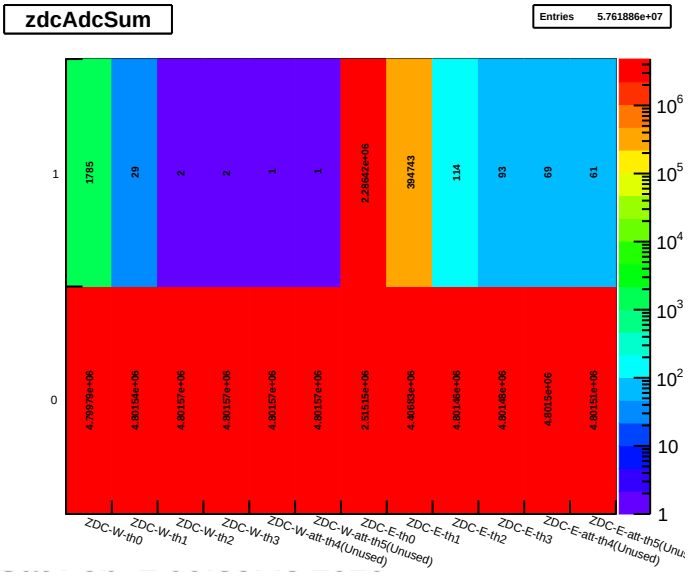

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

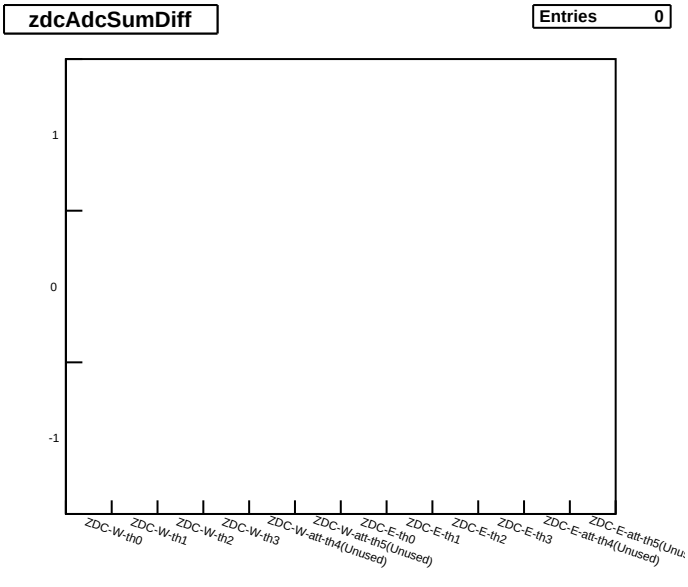

zdcEastTac
Entries4801572

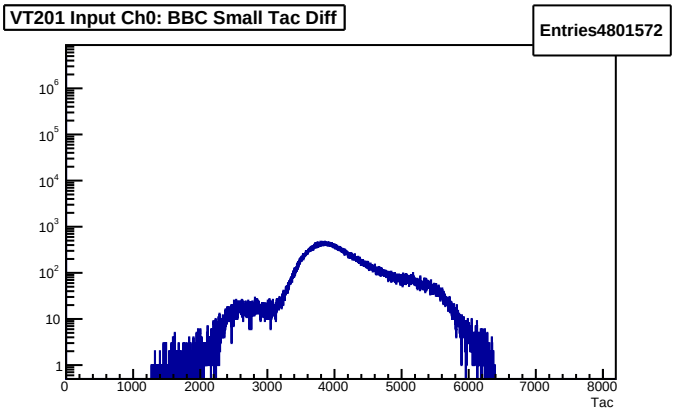

zdcEastTacVsSimu
Entries 0
Data
Simu

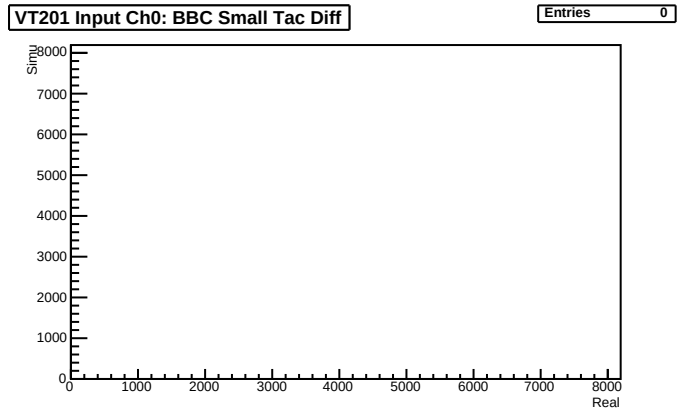

zdcWestTac
Entries4801572

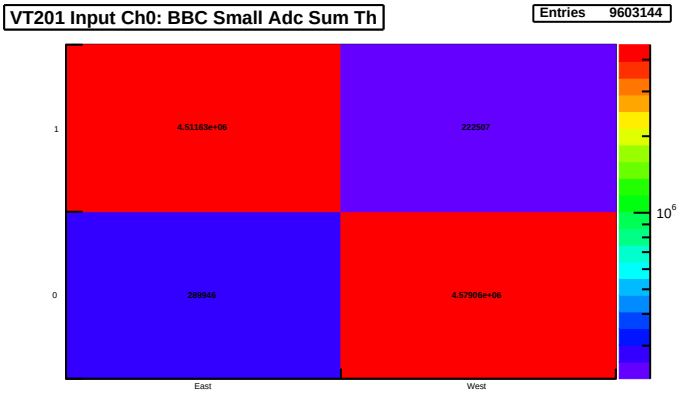

zdcWestTacVsSimu
Entries 0
Data
Simu

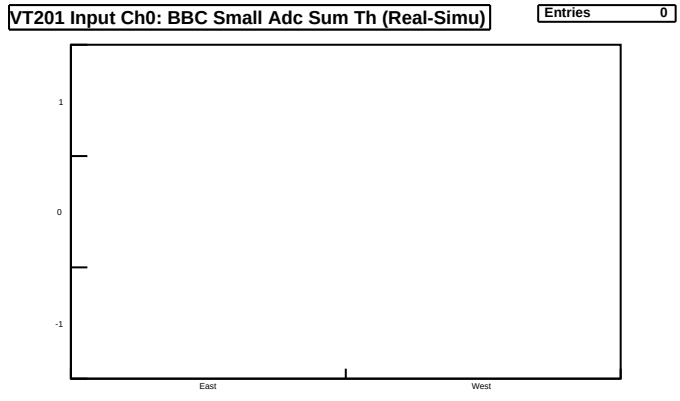

zdcAdcSum
Entries 5.761886e+07
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

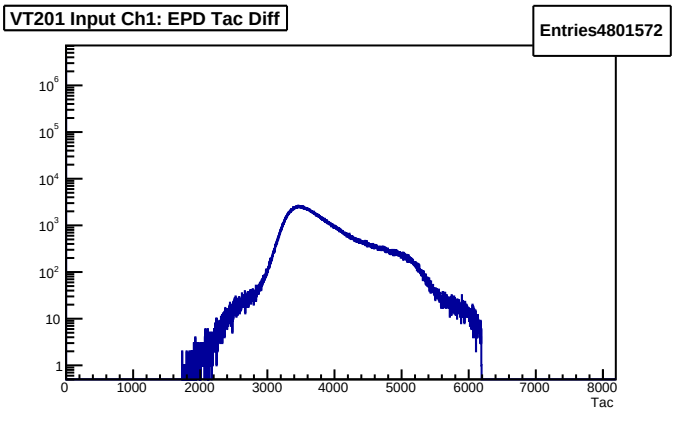

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

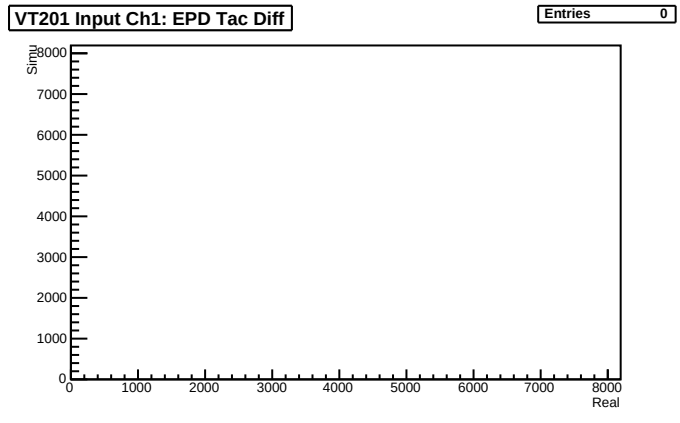

VT201 Input Ch0: BBC Small Tac Diff
Entries4801572
Tac

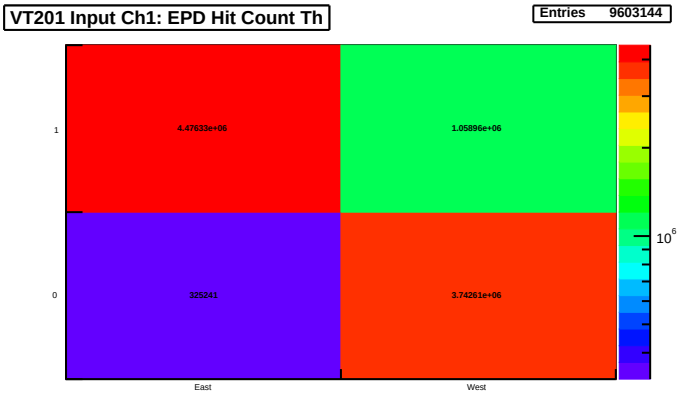

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

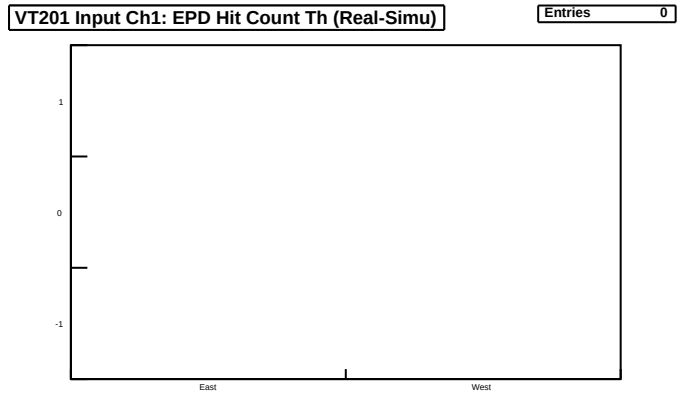

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 9603144
4.51163e+06
222507
289946
4.57906e+06
East
West

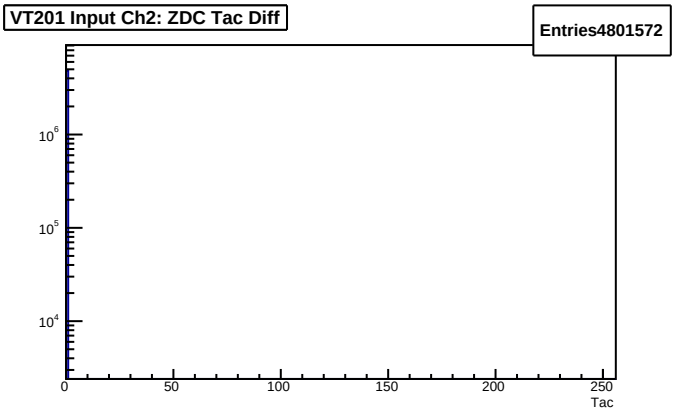

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

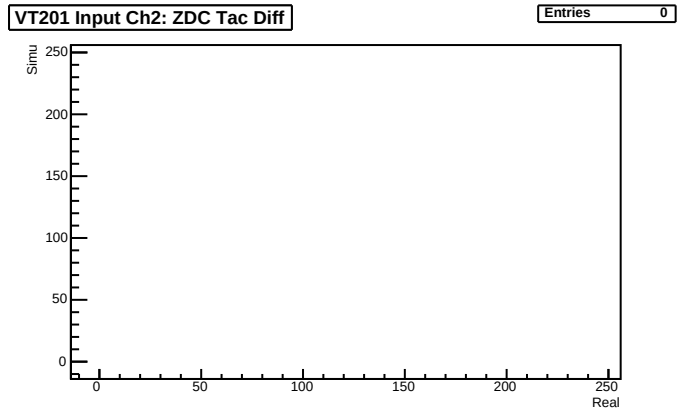

VT201 Input Ch1: EPD Tac Diff
Entries4801572
Tac

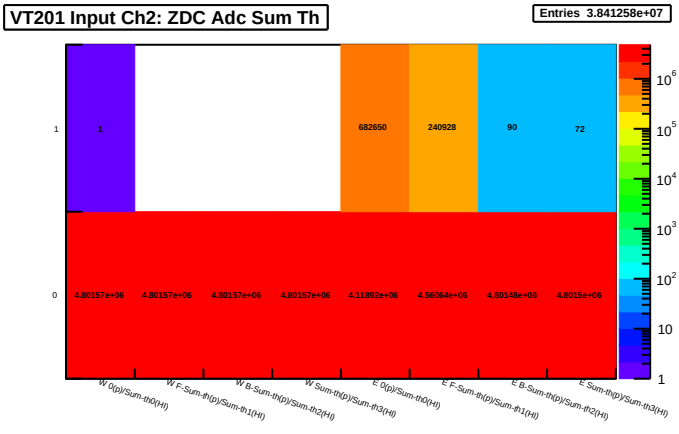

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

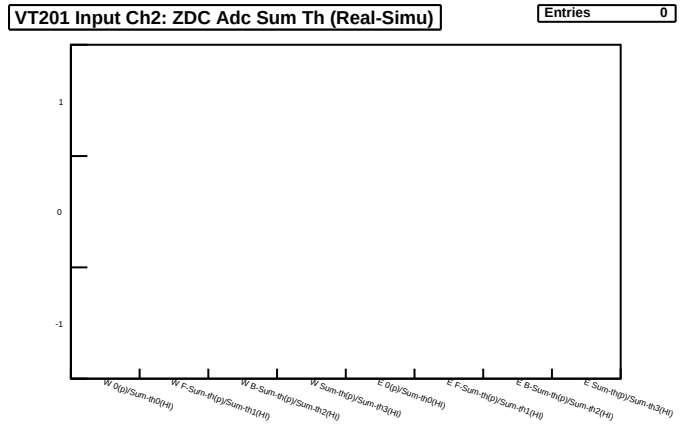

VT201 Input Ch1: EPD Hit Count Th
Entries 9603144
4.47633e+06
1.05896e+06
325241
3.74261e+06
East
West

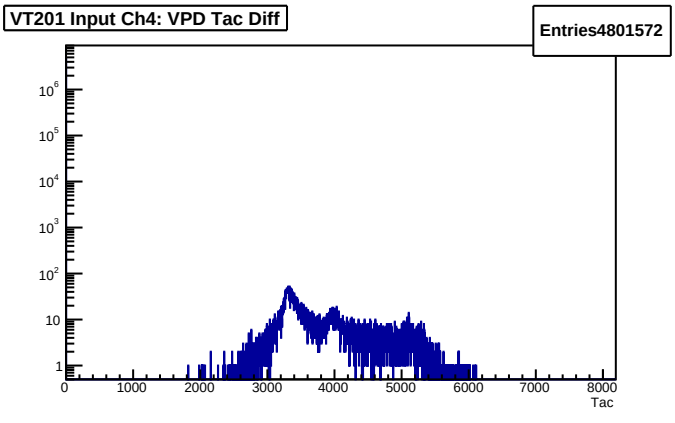

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

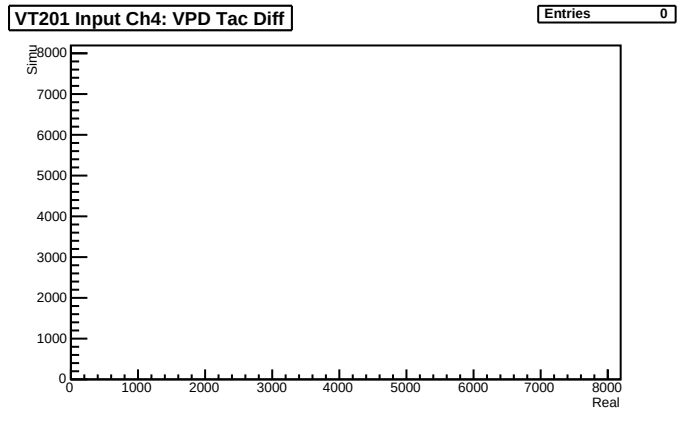

VT201 Input Ch2: ZDC Tac Diff
Entries4801572
Tac

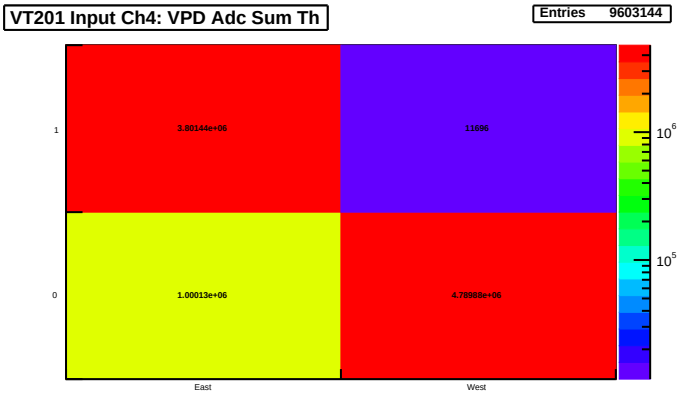

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

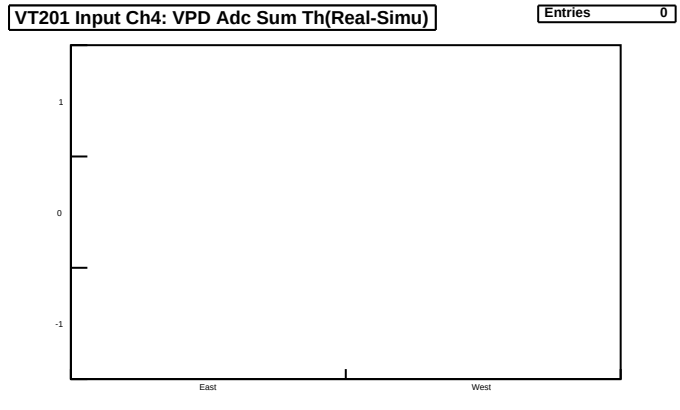

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3.841258e+07
1
682650
240928
90
72
4.80157e+06
4.80157e+06
4.80157e+06
4.80157e+06
4.11892e+06
4.56064e+06
4.80148e+06
4.8015e+06
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

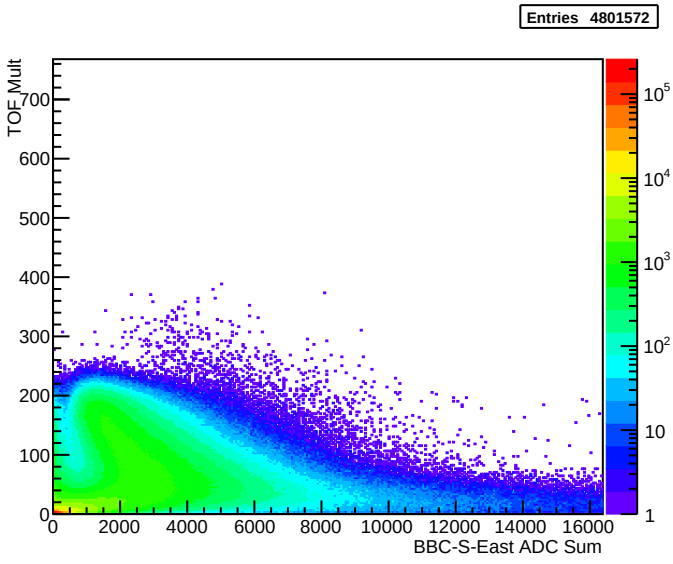

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

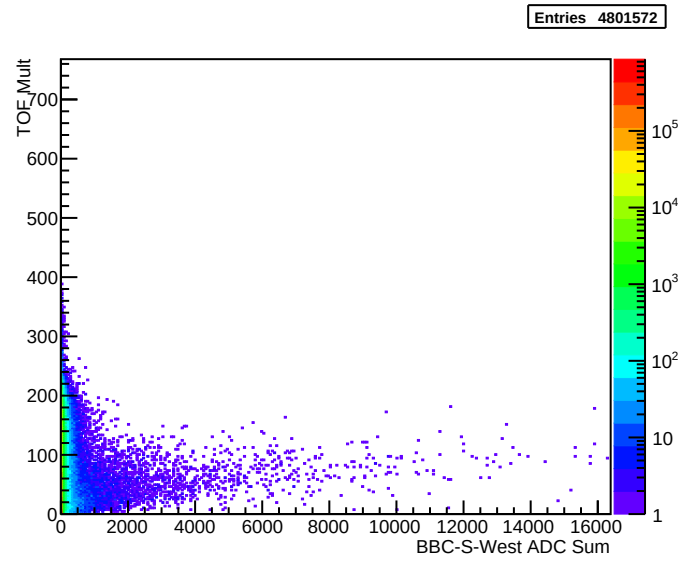

VT201 Input Ch4: VPD Tac Diff
Entries4801572
Tac

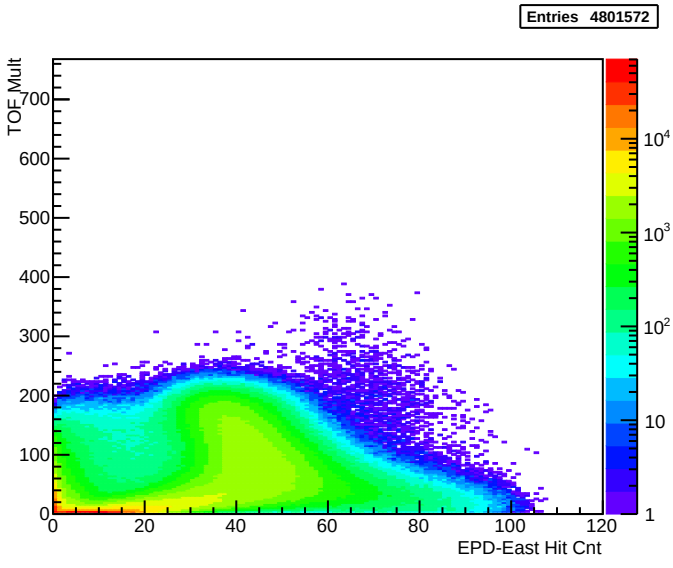

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

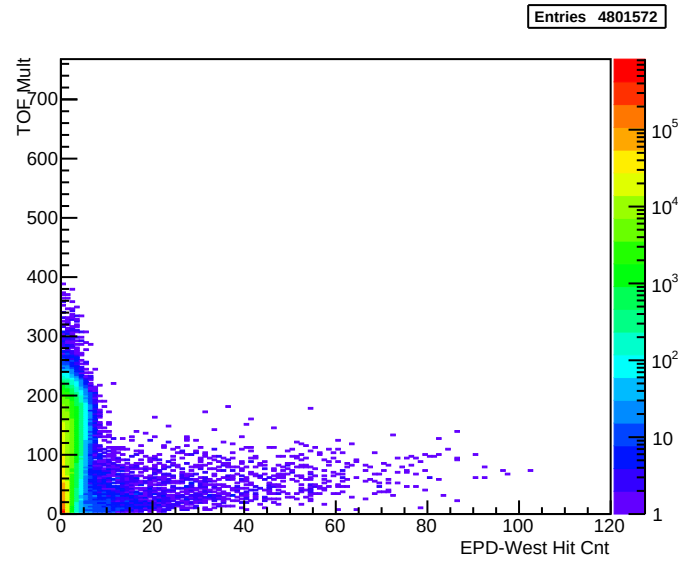

VT201 Input Ch4: VPD Adc Sum Th
Entries 9603144
3.80144e+06
11696
1.00013e+06
4.78988e+06
East
West

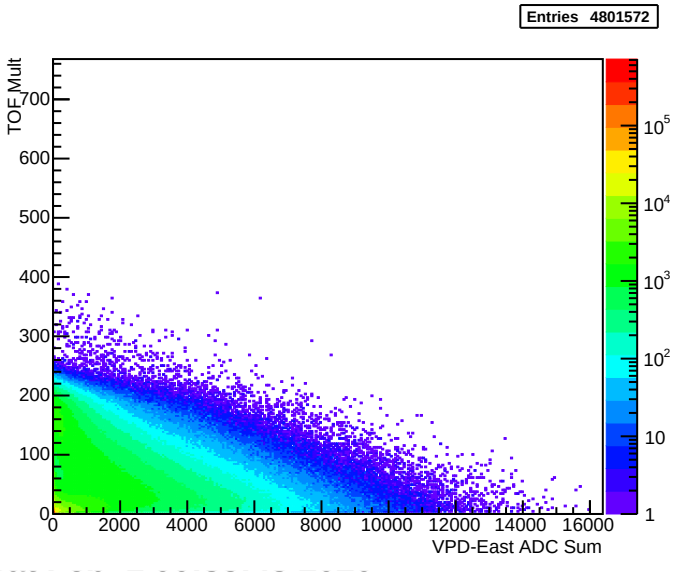

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

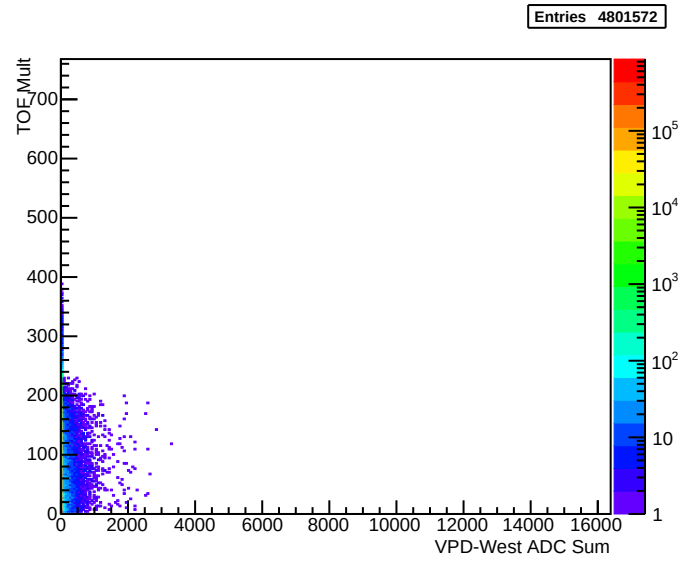

Entries 4801572
TOF_Mult
BBC-S-East ADC Sum

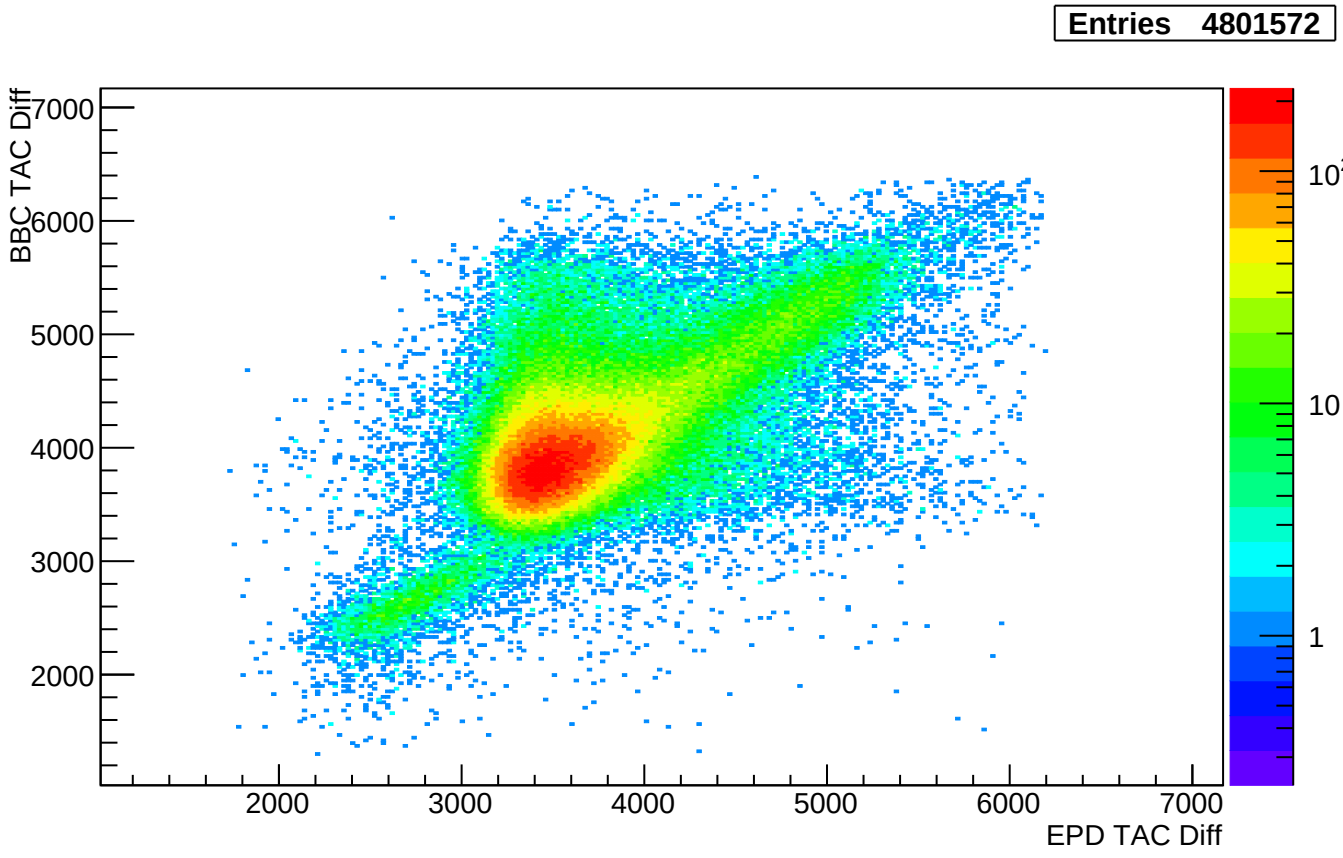

Entries 4801572
TOF_Mult
BBC-S-West ADC Sum

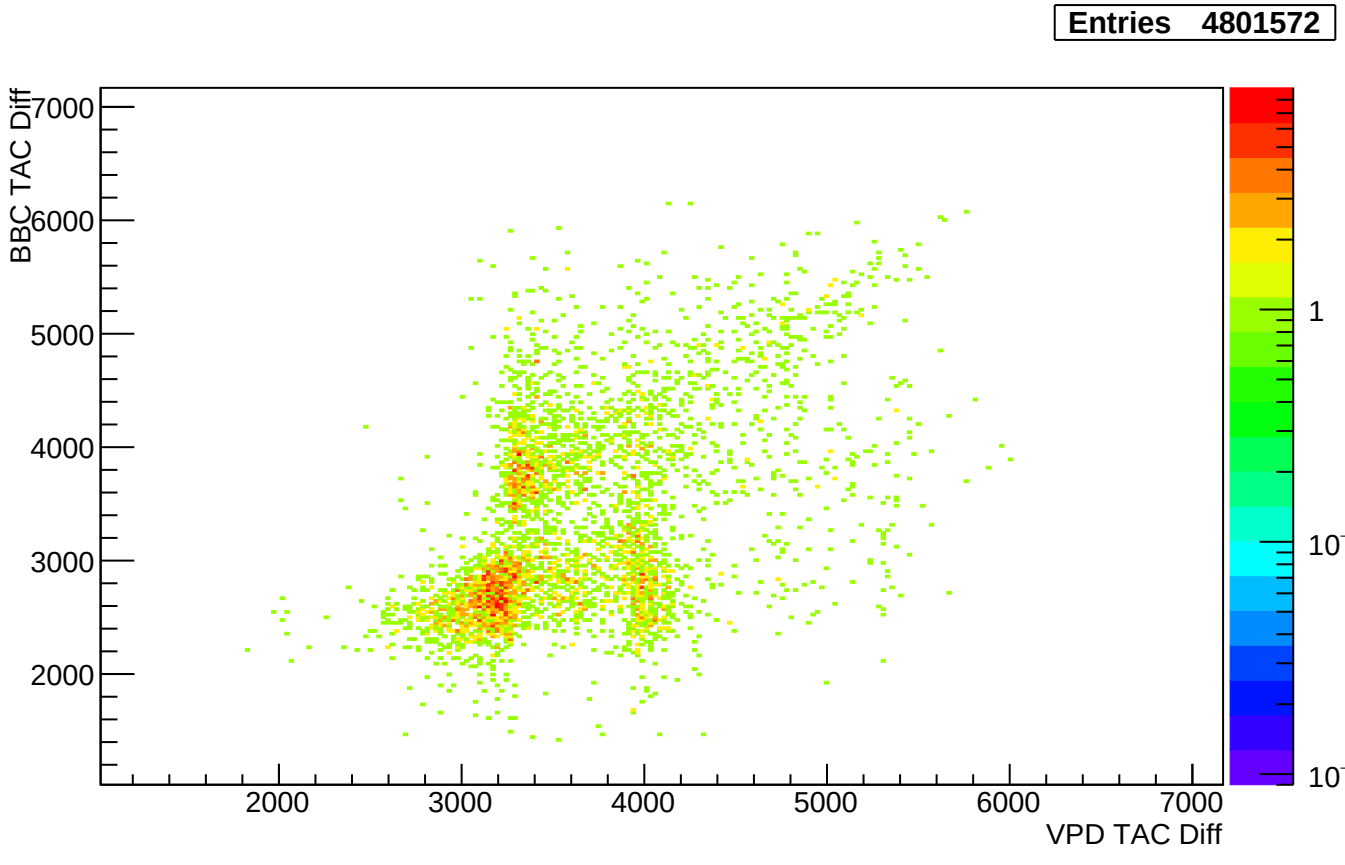

Entries 4801572
TOF_Mult
EPD-East Hit Cnt

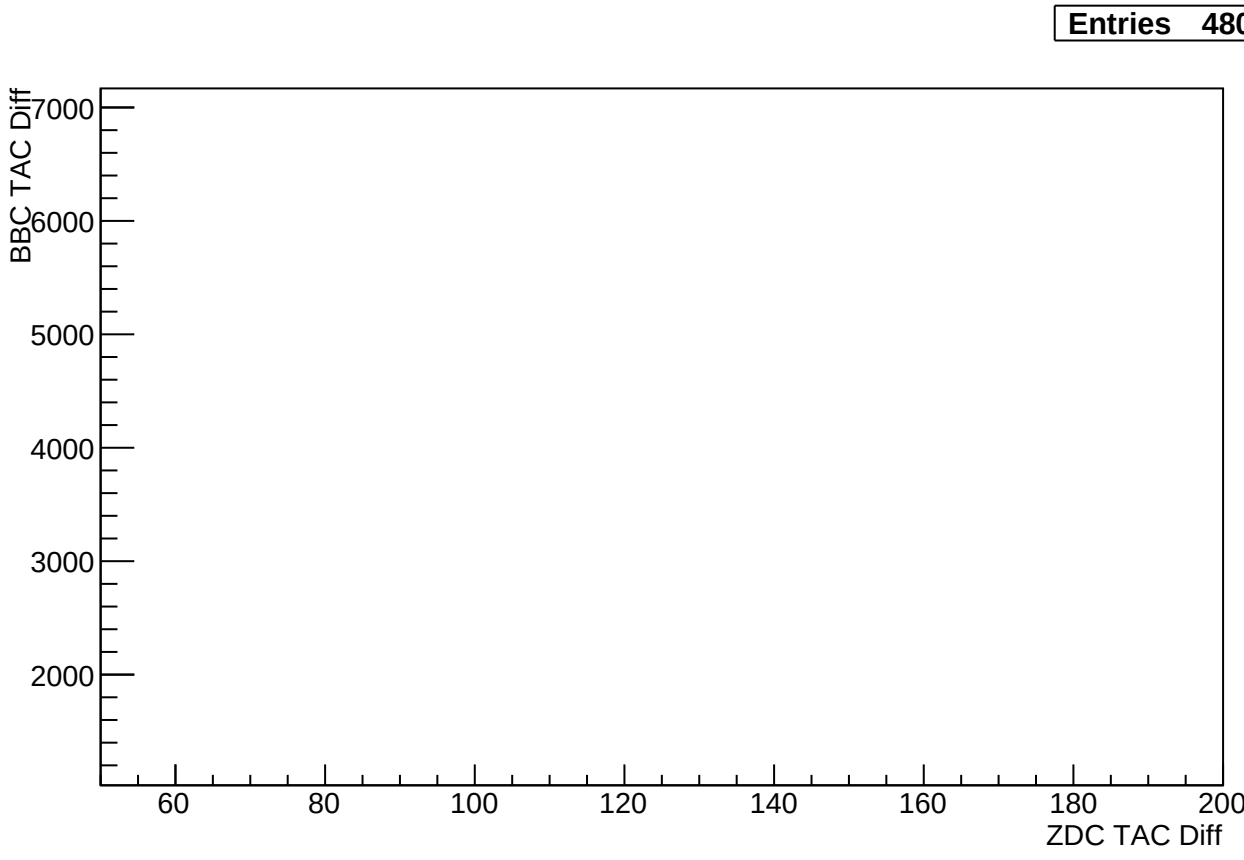

Entries 4801572
TOF_Mult
EPD-West Hit Cnt

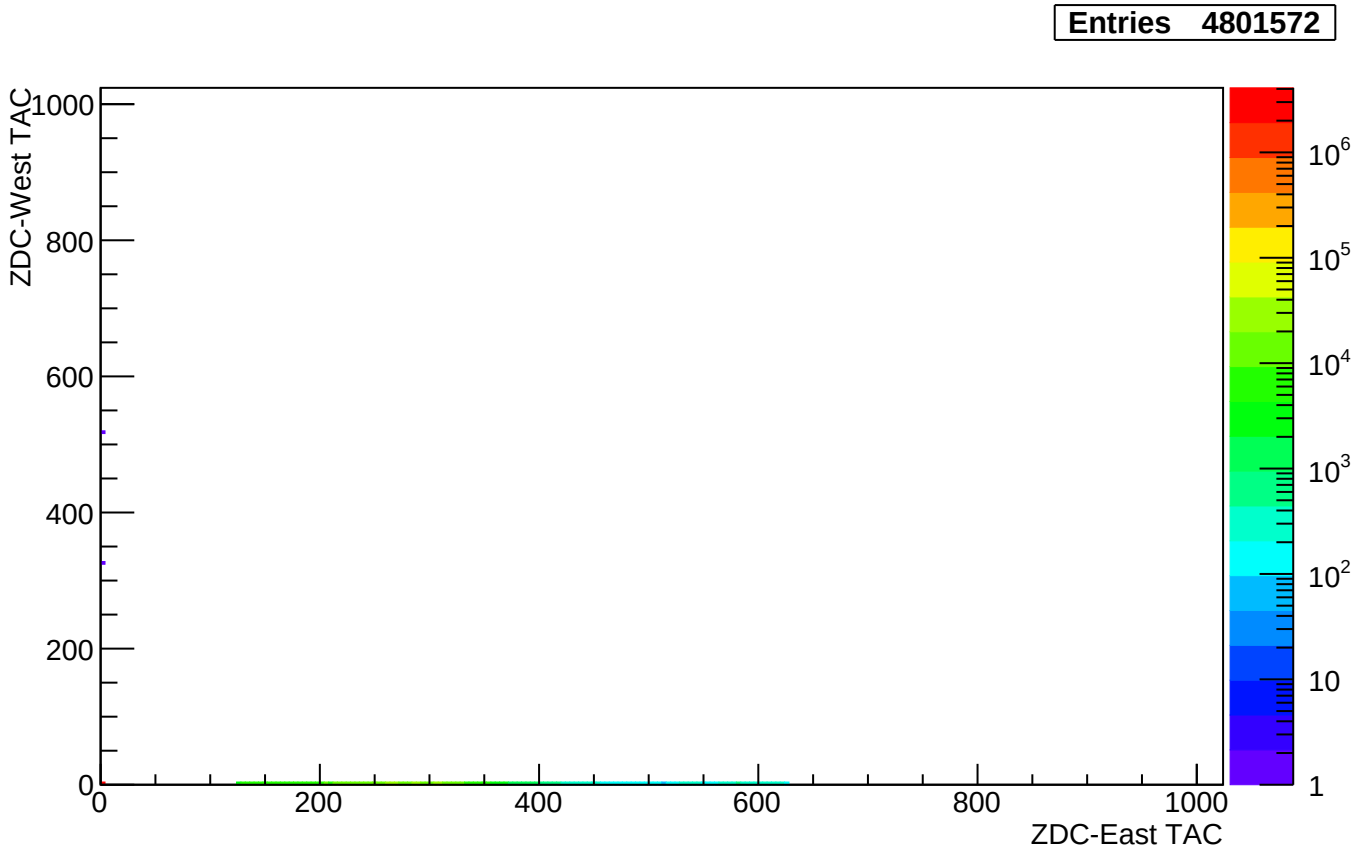

Entries 4801572
TOF_Mult
VPD-East ADC Sum

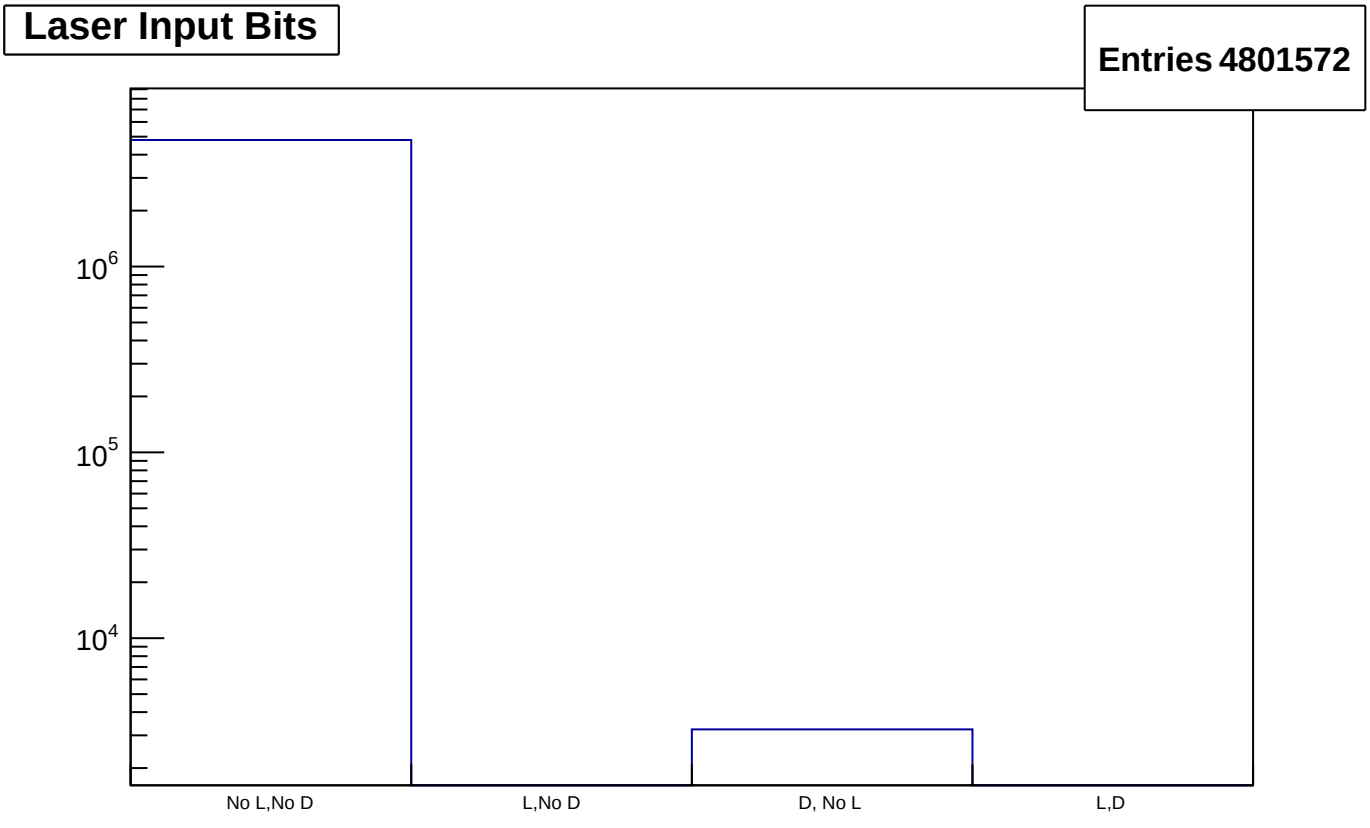

Entries 4801572
TOF_Mult
VPD-West ADC Sum

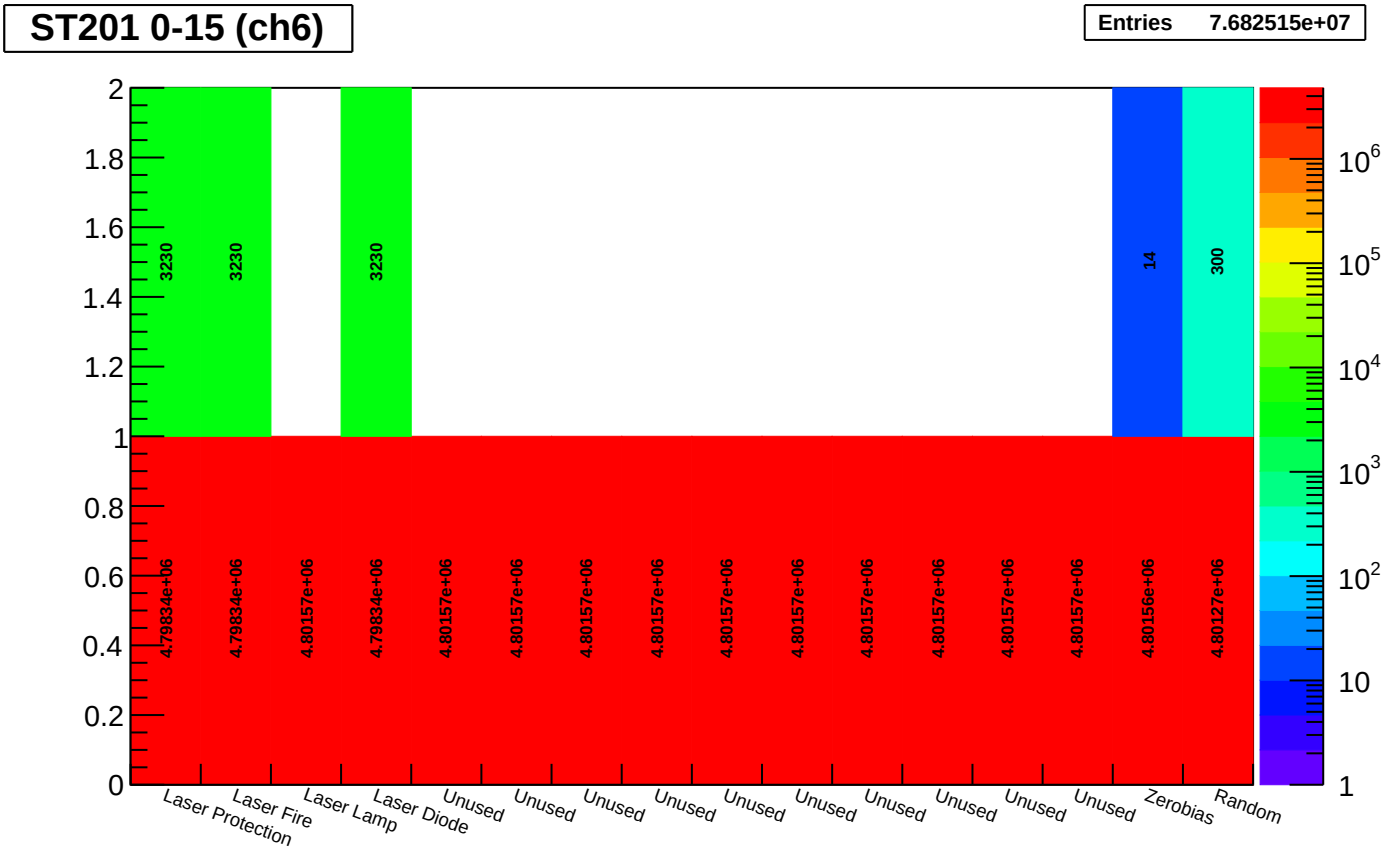

Entries 4801572
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
$10^2$
10
1


Entries 4801572
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
$10^{-1}$
$10^{-2}$

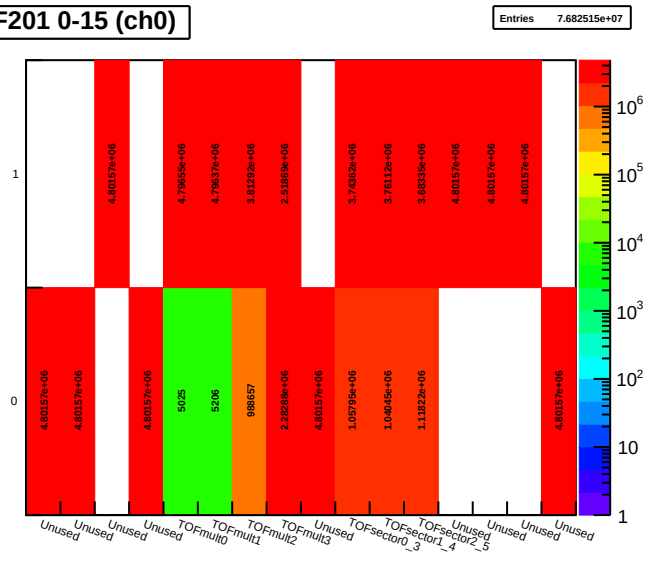

Entries 4801572
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff


Entries 4801572
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
$10^6$
$10^5$
$10^4$
$10^3$
$10^2$
10
1

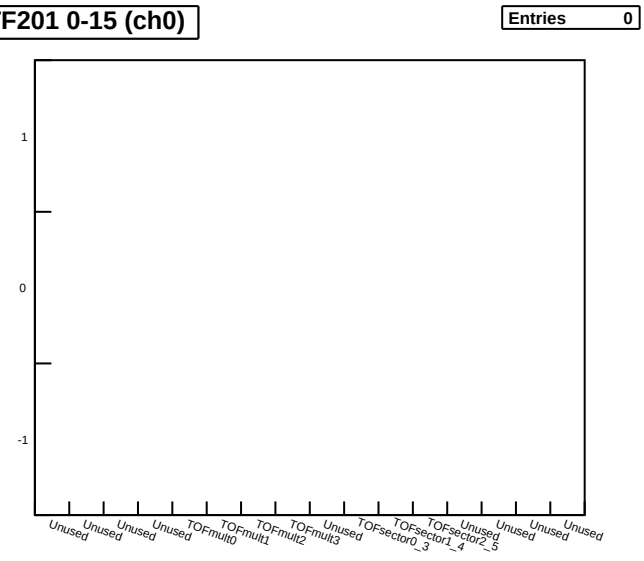

Laser Input Bits
Entries 4801572
$10^6$
$10^5$
$10^4$
No L,No D
L,No D
D, No L
L,D


ST201 0-15 (ch6)
Entries 7.682515e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3230
3230
3230
14
300
4.79834e+06
4.79834e+06
4.80157e+06
4.79834e+06
4.80157e+06
4.80157e+06
4.80157e+06
4.80157e+06
4.80157e+06
4.80157e+06
4.80157e+06
4.80157e+06
4.80157e+06
4.80157e+06
4.80156e+06
4.80127e+06
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
$10^6$
$10^5$
$10^4$
$10^3$
$10^2$
10
1

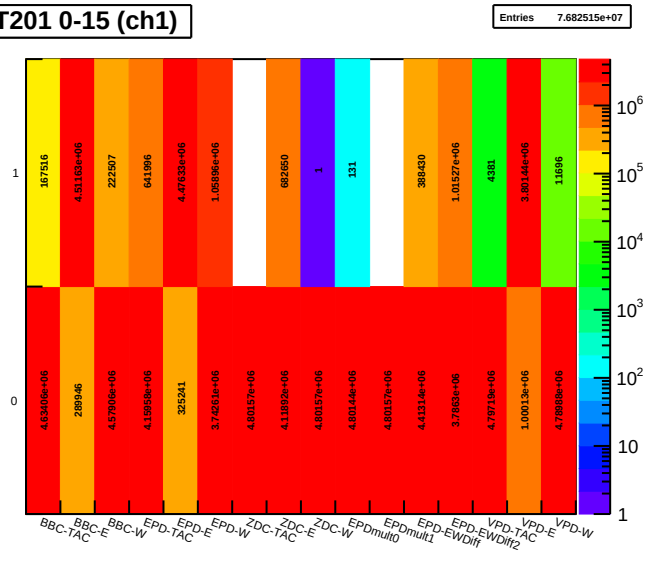
## TF201 0-15 (ch0)



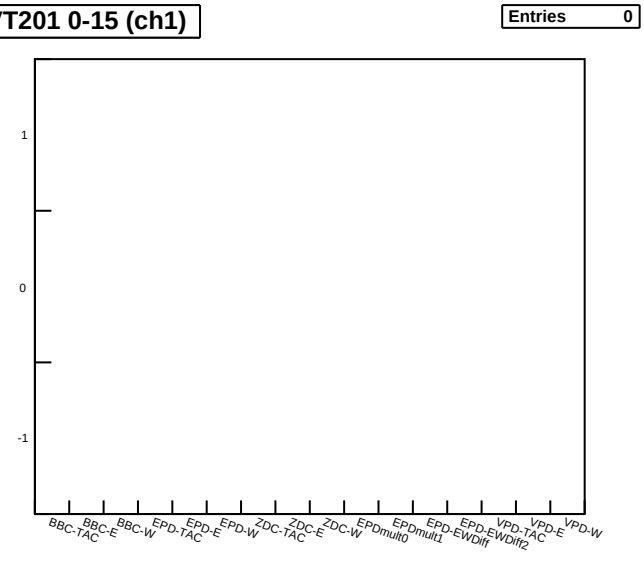

## TF201 0-15 (ch0)



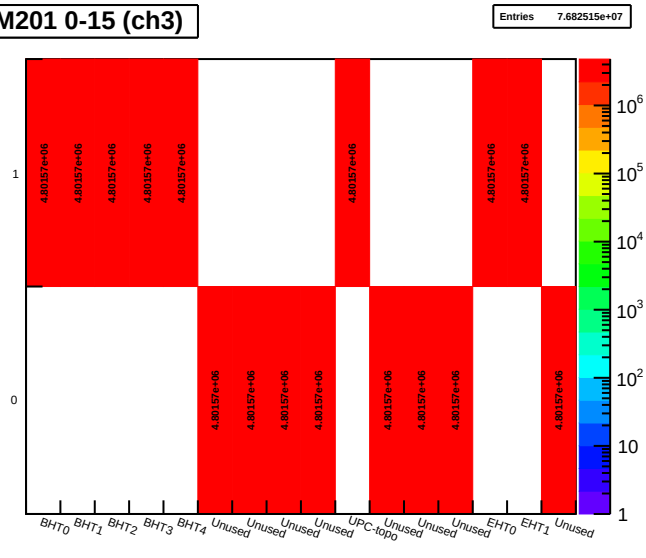

## VT201 0-15 (ch1)

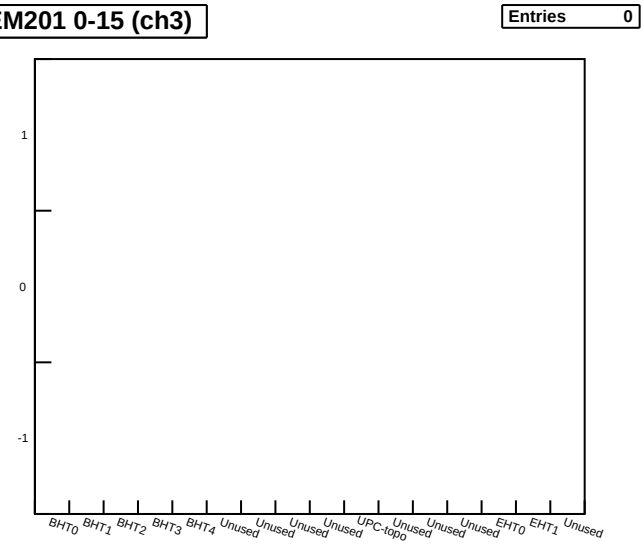



## VT201 0-15 (ch1)




## EM201 0-15 (ch3)




## EM201 0-15 (ch3)