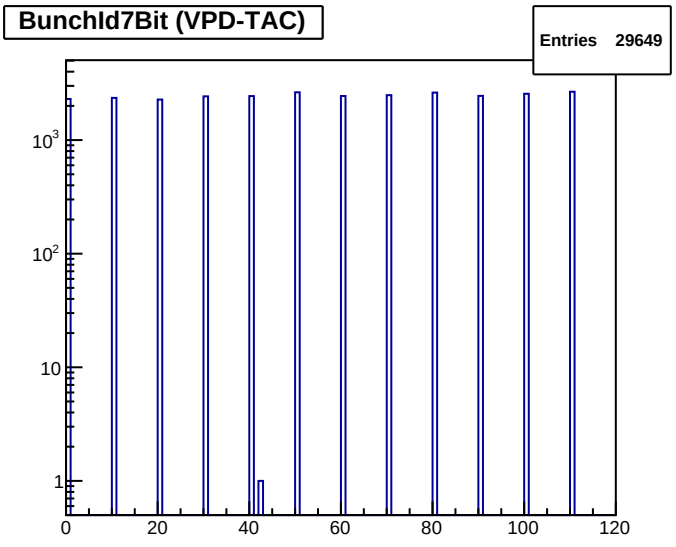
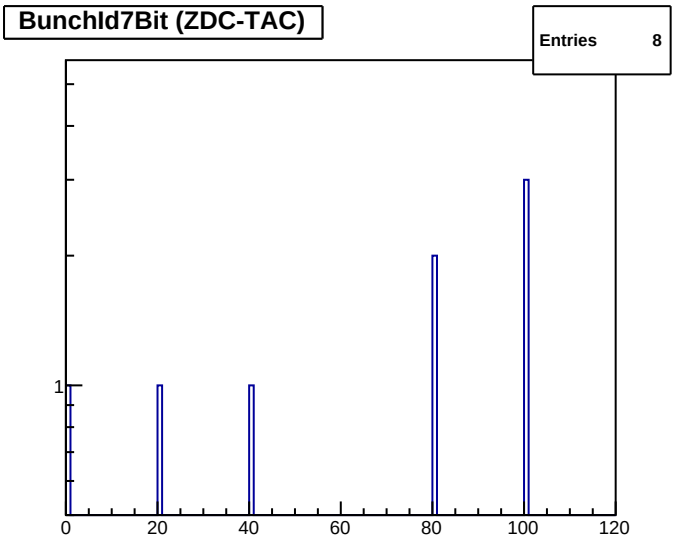
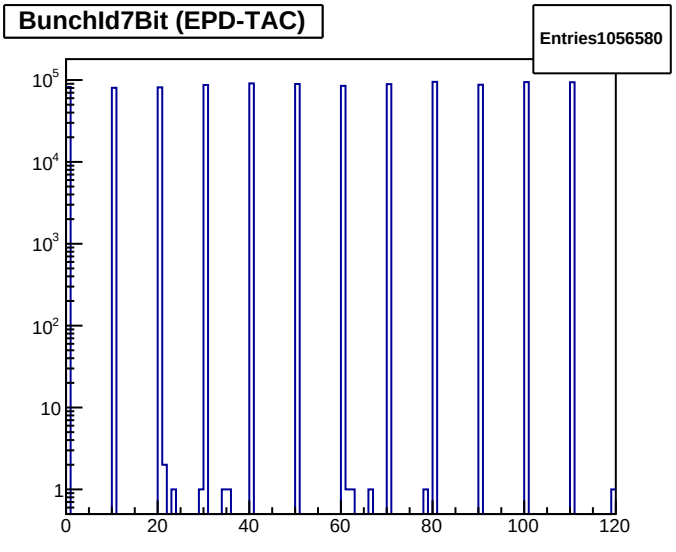
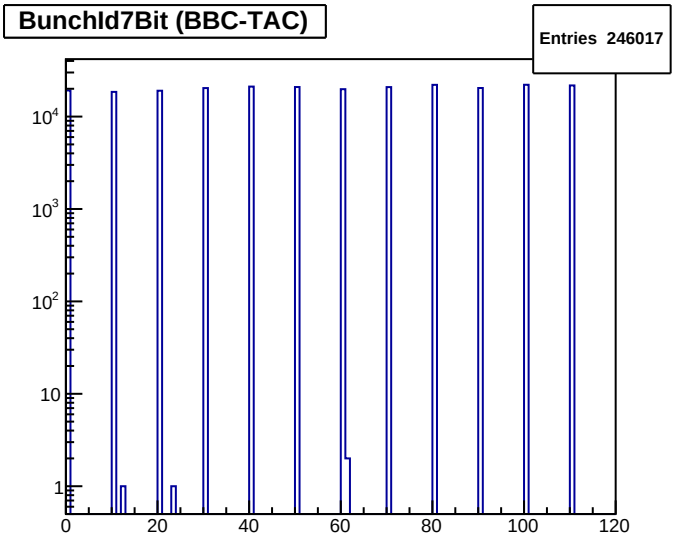
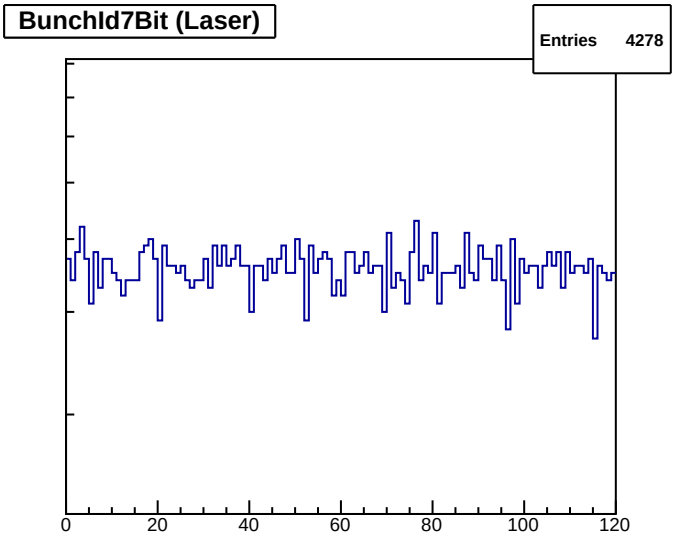
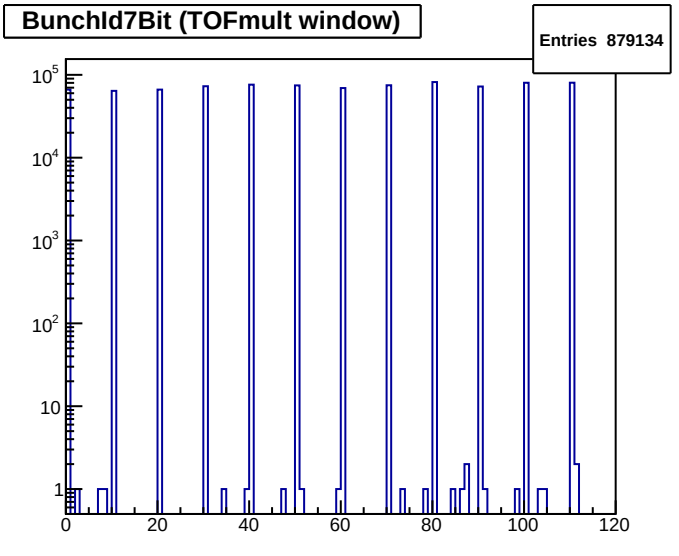

BunchId7Bit (VPD-TAC)
Entries 29649
10^3
10^2
10
1
0
20
40
60
80
100
120

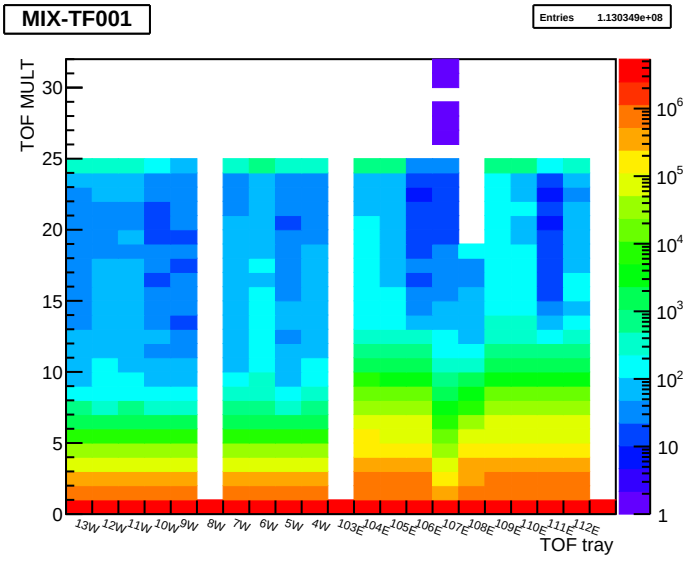

BunchId7Bit (ZDC-TAC)
Entries 8
1
0
20
40
60
80
100
120

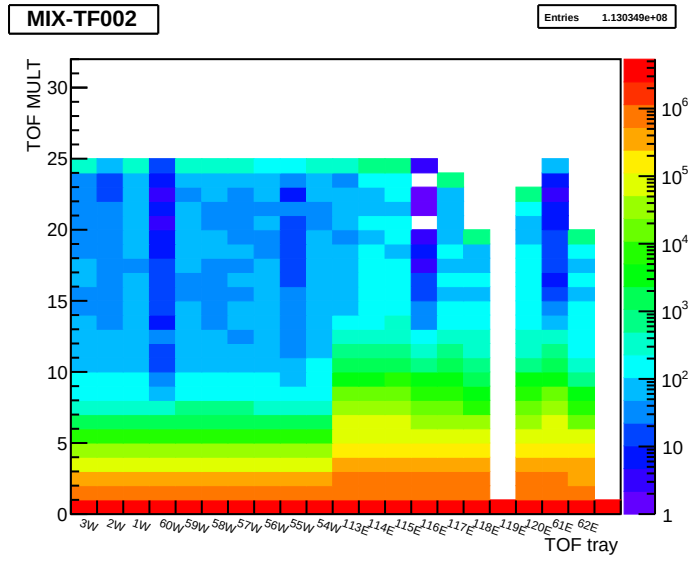

BunchId7Bit (EPD-TAC)
Entries1056580
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120

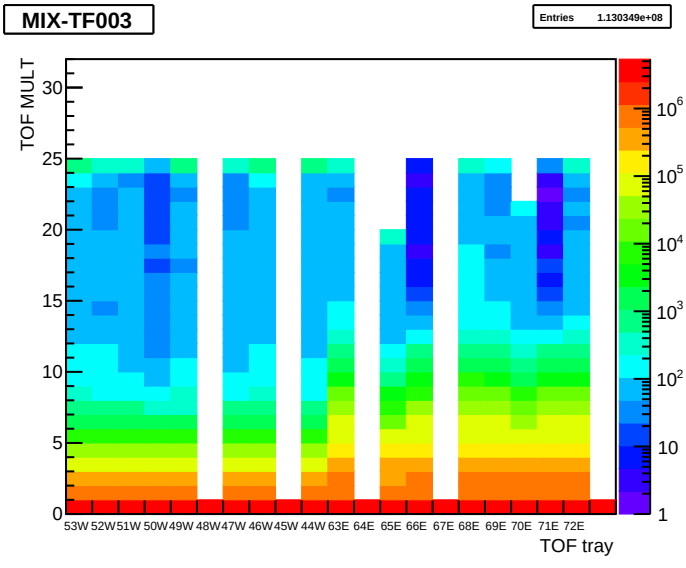

BunchId7Bit (BBC-TAC)
Entries 246017
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120

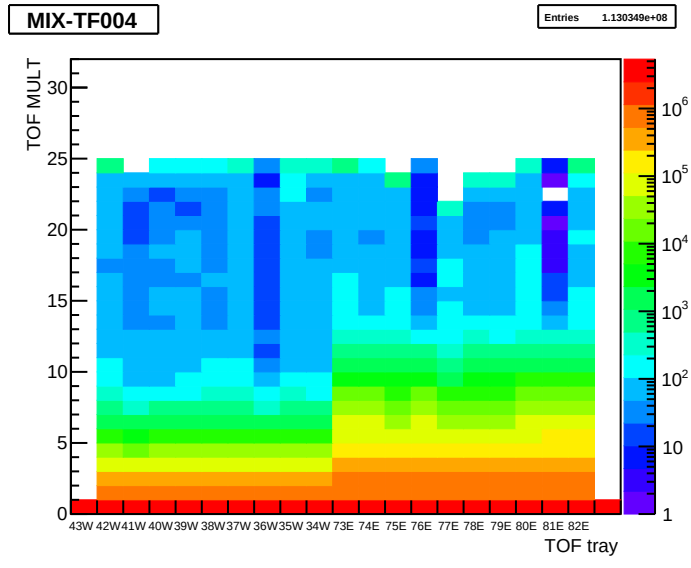

BunchId7Bit (Laser)
Entries 4278
0
20
40
60
80
100
120

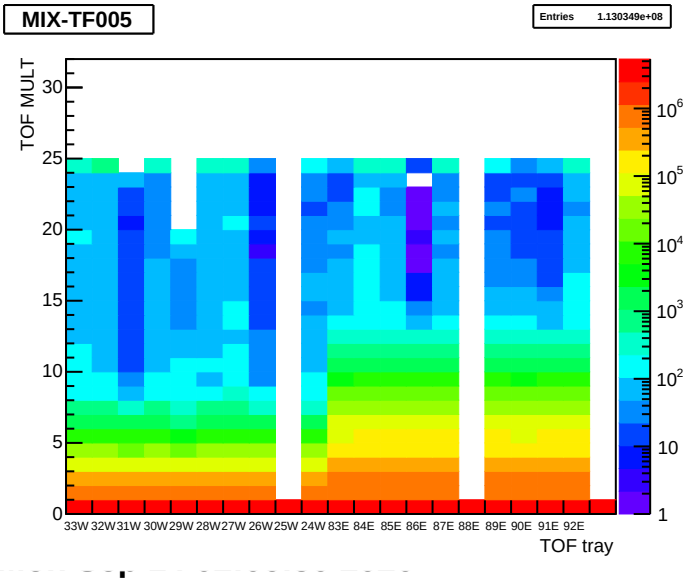

BunchId7Bit (TOFmult window)
Entries 879134
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120

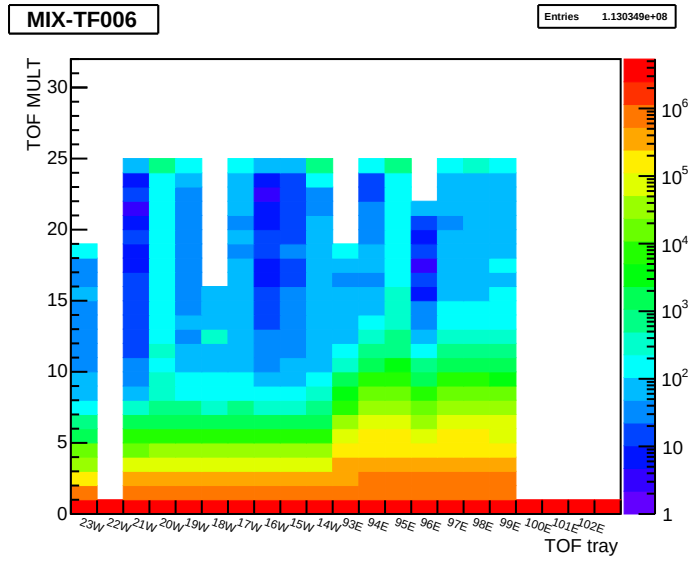

MIX-TF001
Entries 1.130349e+08
TOF MULT
TOF tray

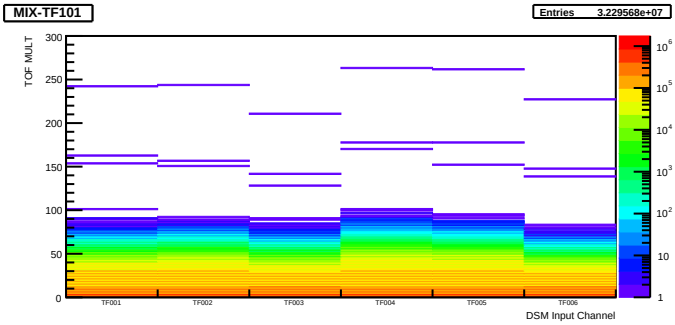

MIX-TF002
Entries 1.130349e+08
TOF MULT
TOF tray

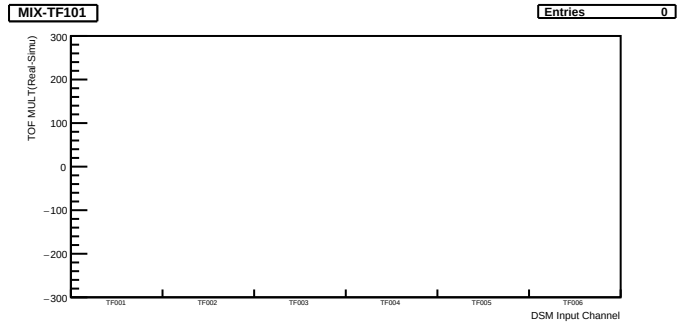

MIX-TF003
Entries 1.130349e+08
TOF MULT
TOF tray

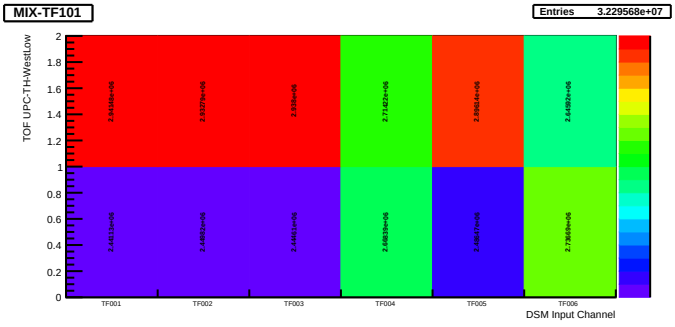

MIX-TF004
Entries 1.130349e+08
TOF MULT
TOF tray

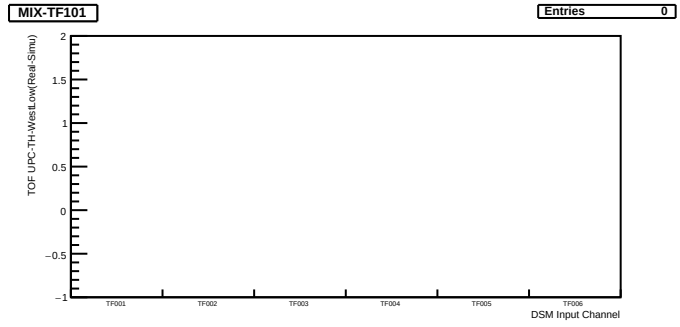

MIX-TF005
Entries 1.130349e+08
TOF MULT
TOF tray

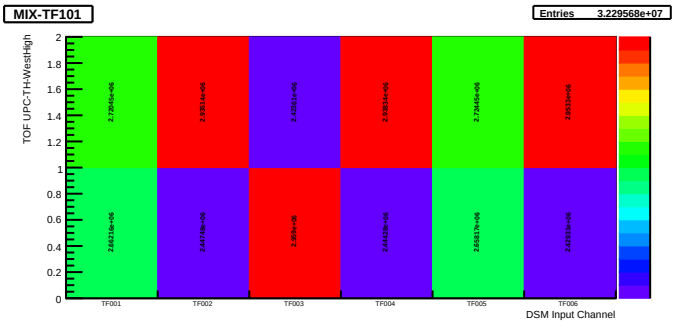

MIX-TF006
Entries 1.130349e+08
TOF MULT
TOF tray

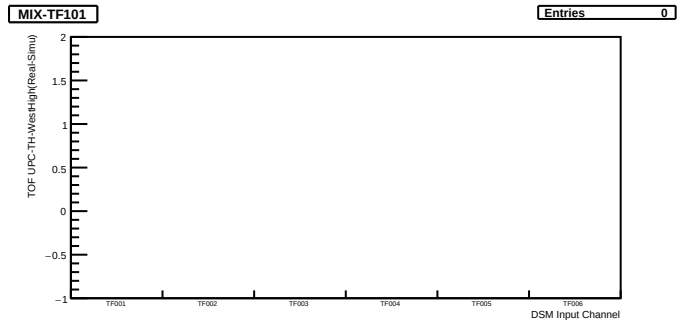

MIX-TF101
Entries 3.229568e+07
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

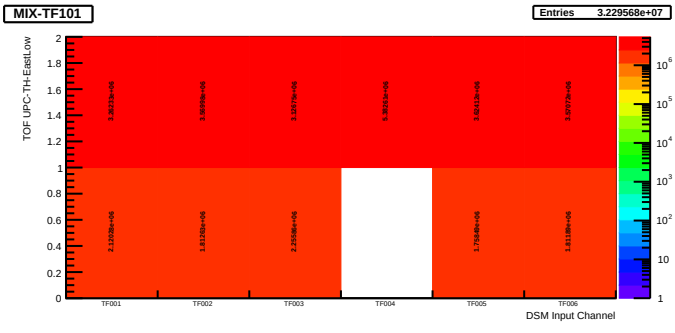

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

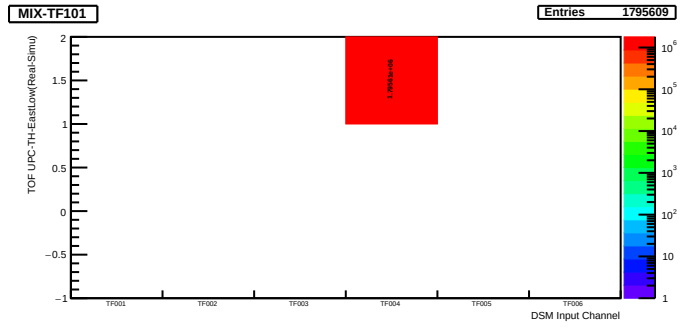

MIX-TF101
Entries 3.229568e+07
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

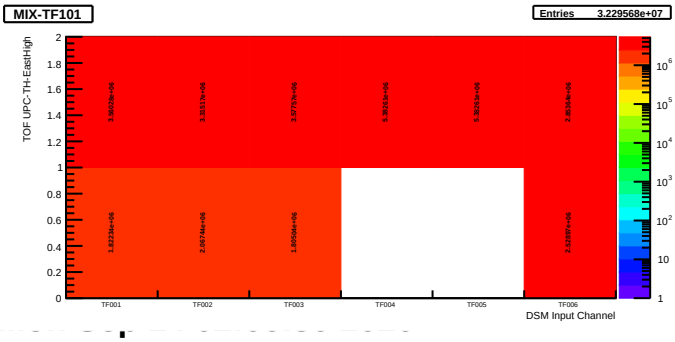

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

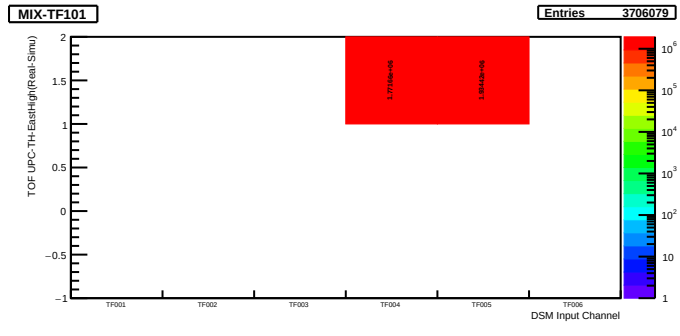

MIX-TF101
Entries 3.229568e+07
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

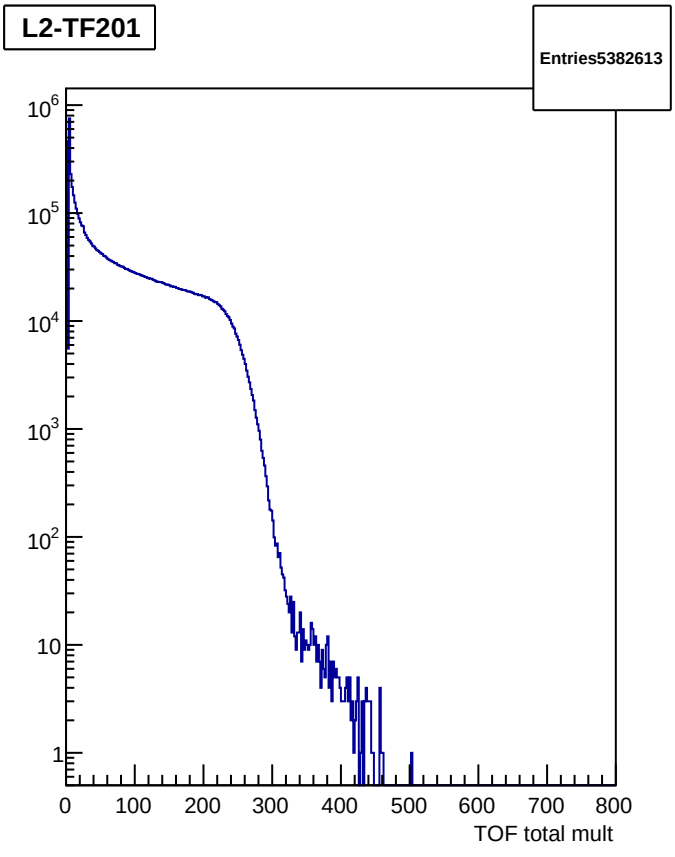

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

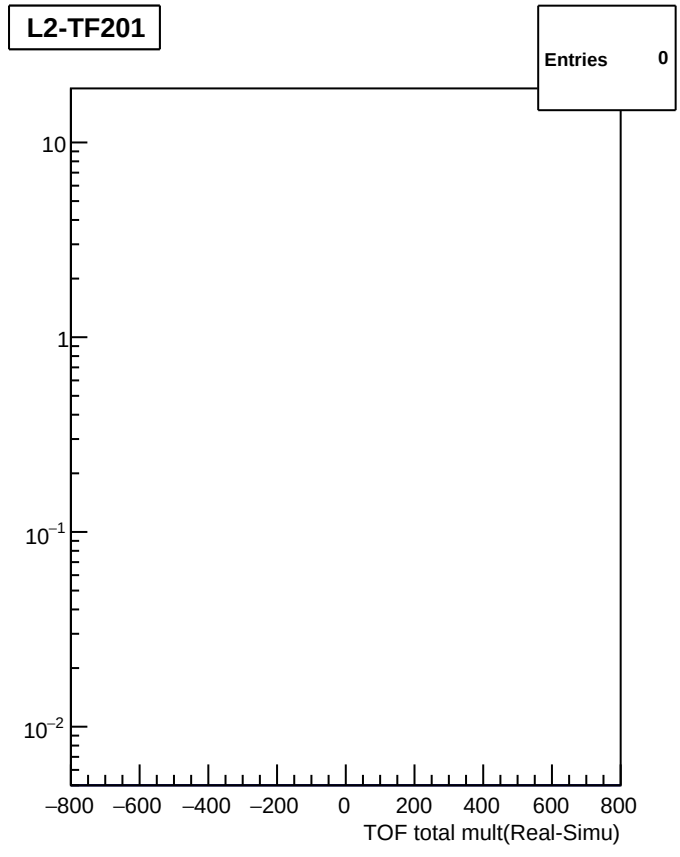

MIX-TF101
Entries 3.229568e+07
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

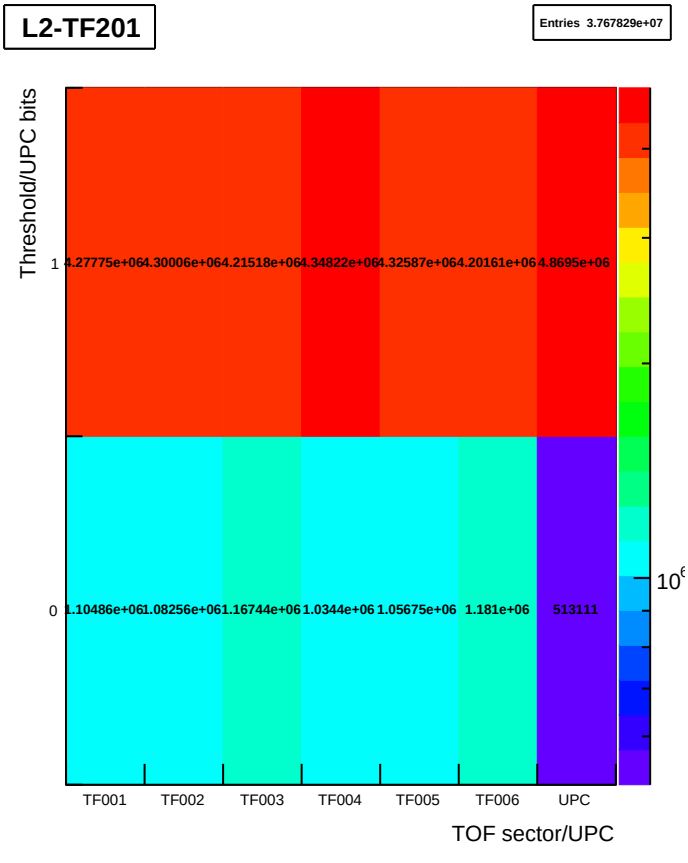

MIX-TF101
Entries 1795609
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

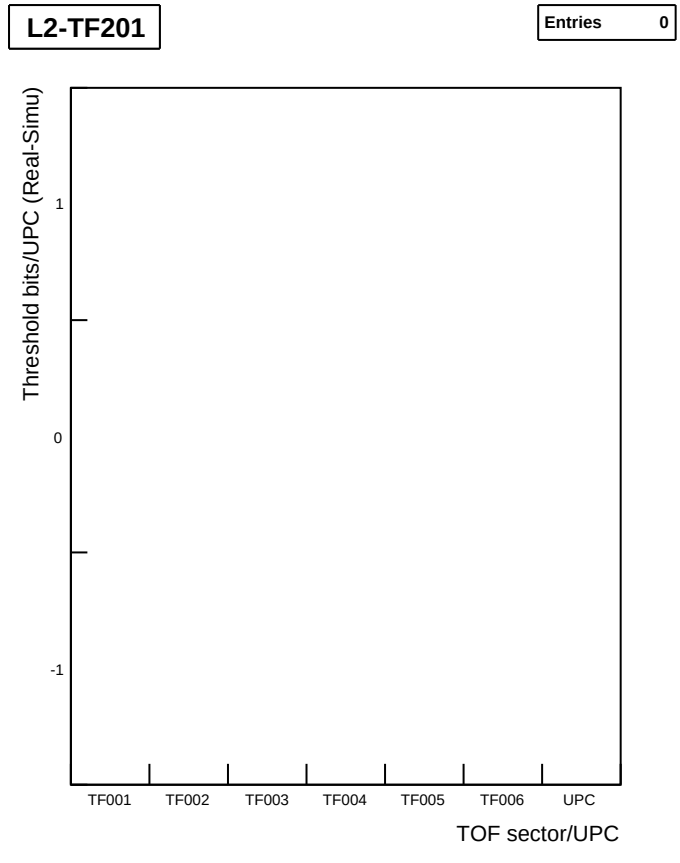

MIX-TF101
Entries 3.229568e+07
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

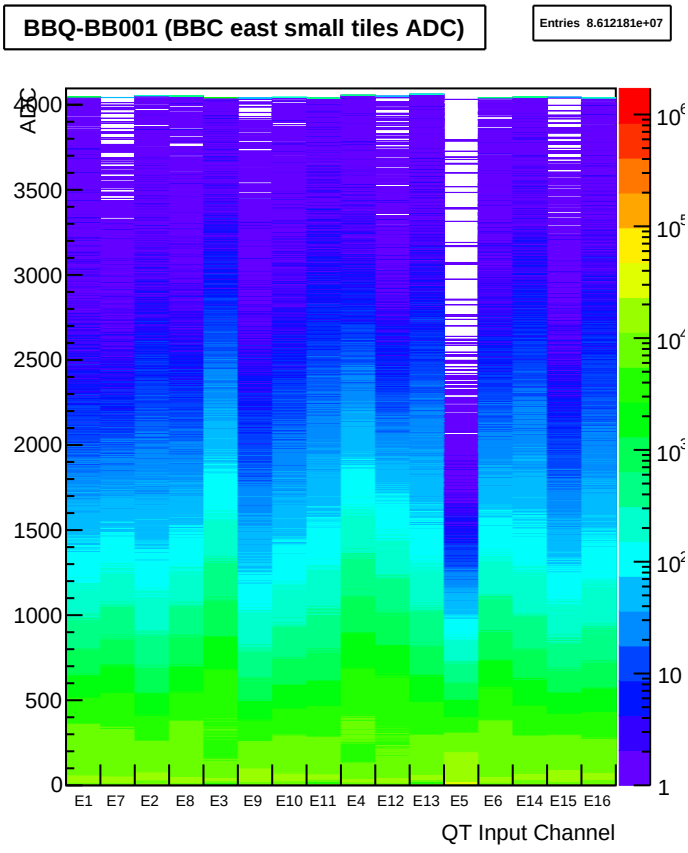

MIX-TF101
Entries 3706079
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

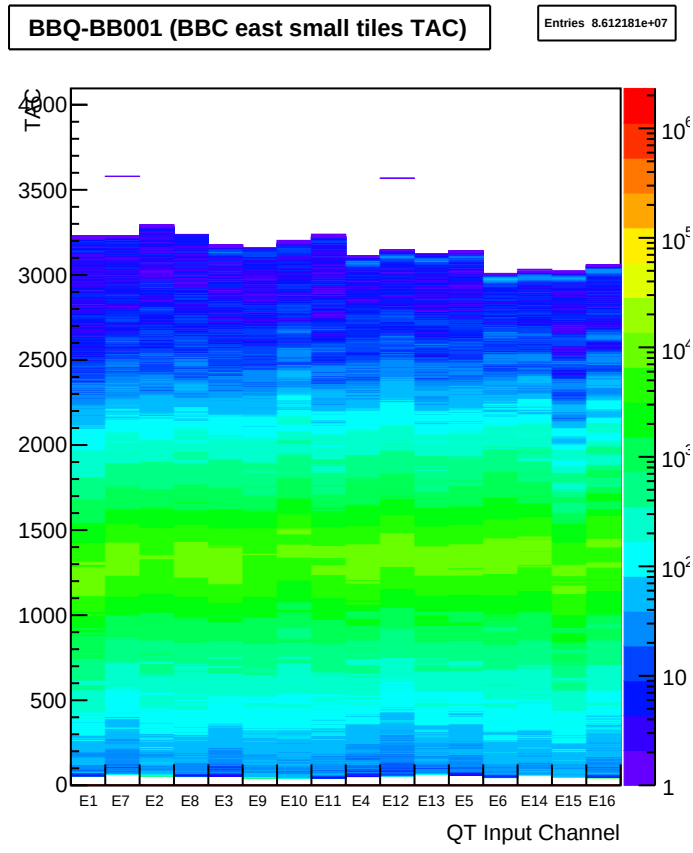

L2-TF201
Entries5382613
TOF total mult

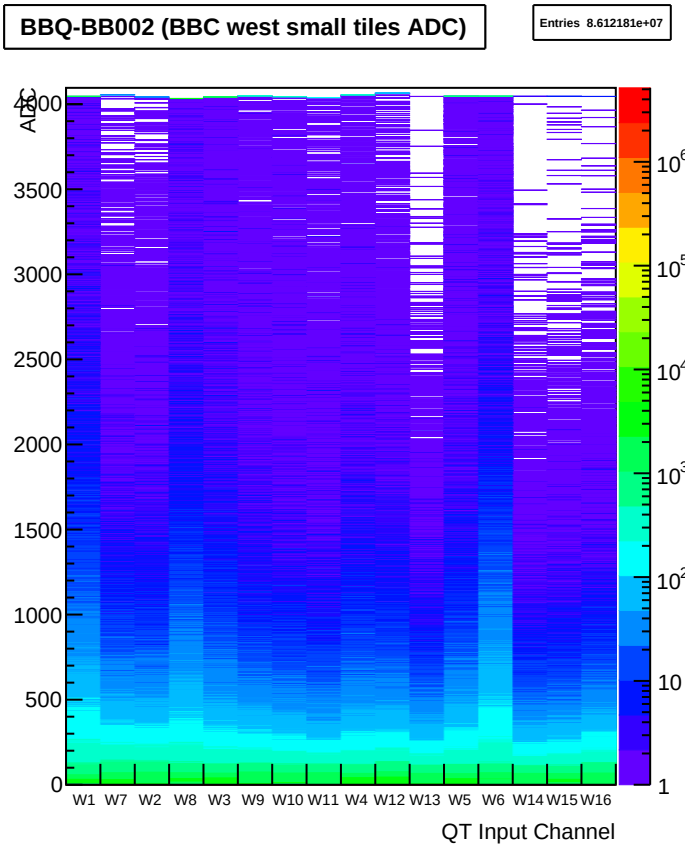

L2-TF201
Entries 0
TOF total mult(Real-Simu)

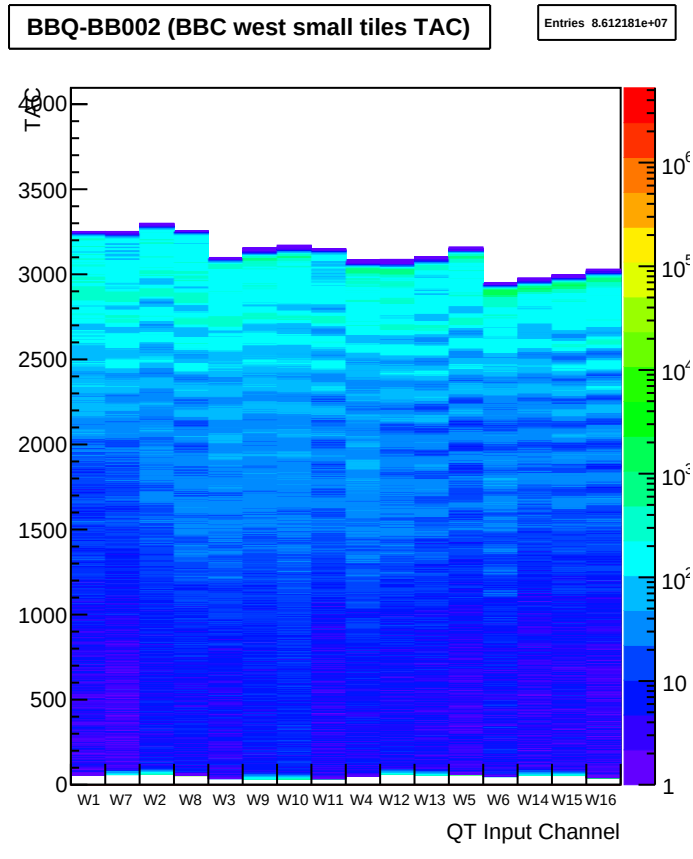

L2-TF201
Entries 3.767829e+07
Threshold/UPC bits
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

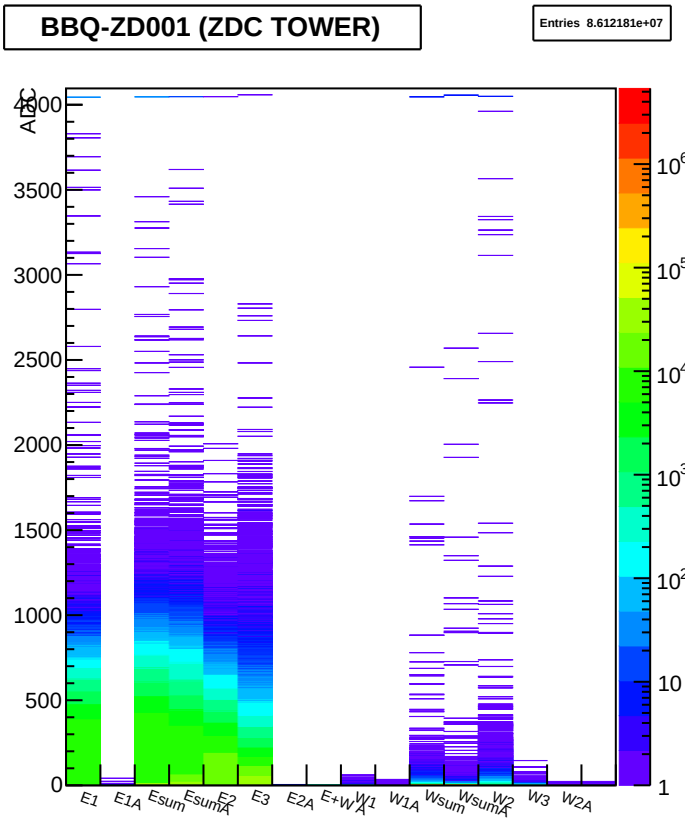

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

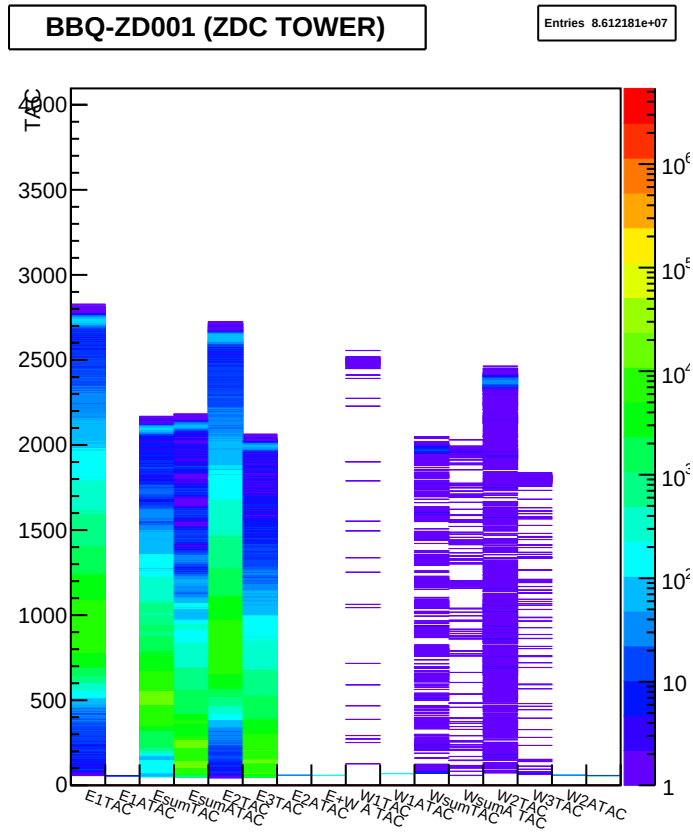

BBQ-BB001 (BBC east small tiles ADC)
Entries 8.612181e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

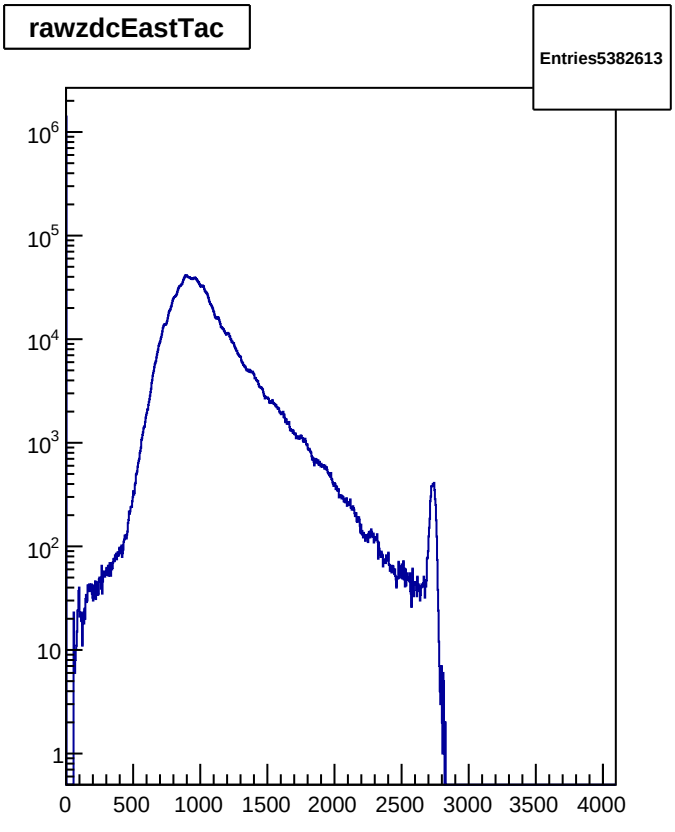

BBQ-BB001 (BBC east small tiles TAC)
Entries 8.612181e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

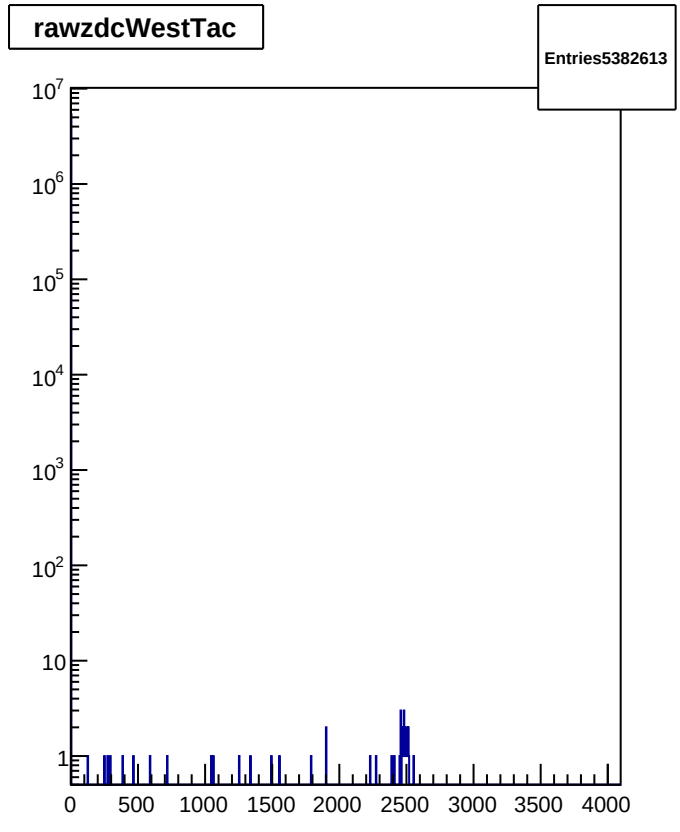

BBQ-BB002 (BBC west small tiles ADC)
Entries 8.612181e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

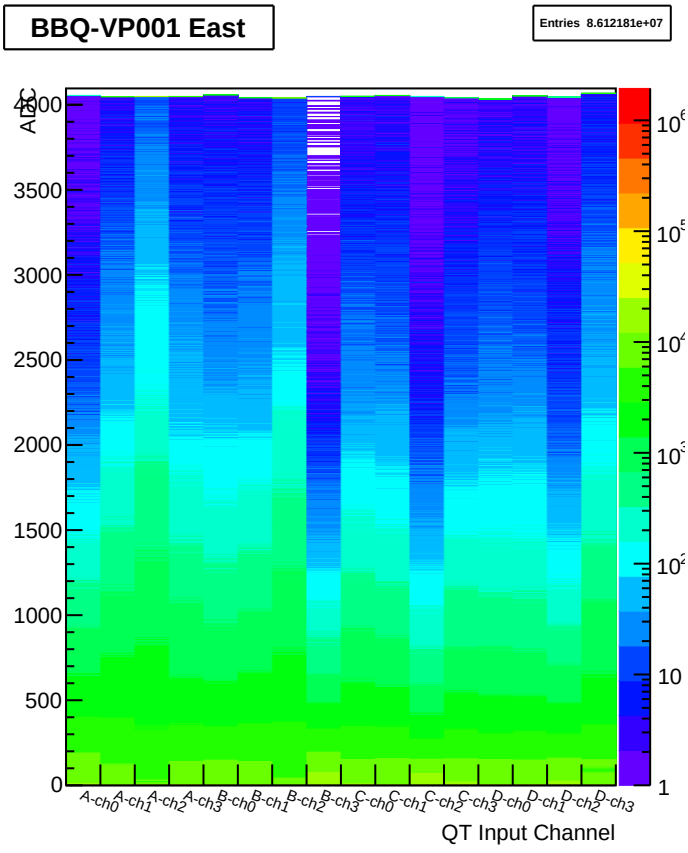

BBQ-BB002 (BBC west small tiles TAC)
Entries 8.612181e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

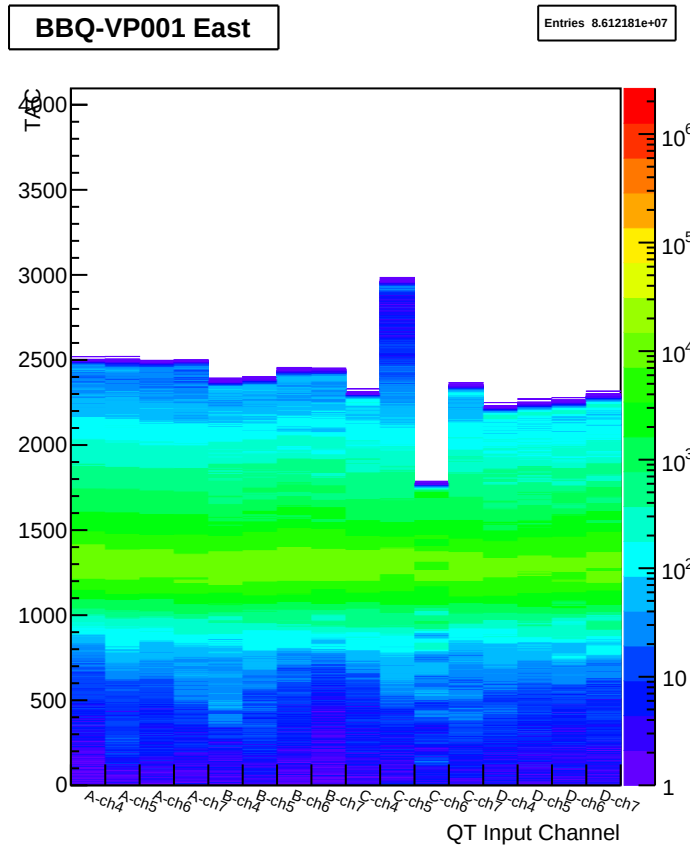

BBQ-ZD001 (ZDC TOWER)
Entries 8.612181e+07
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

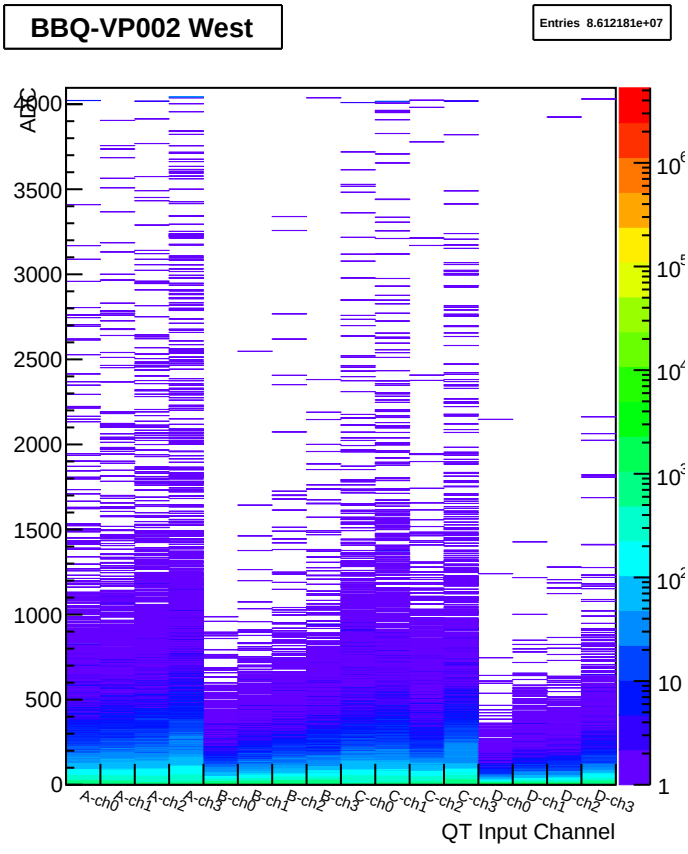

BBQ-ZD001 (ZDC TOWER)
Entries 8.612181e+07
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumATAC
W2TAC
W3TAC
W2ATAC

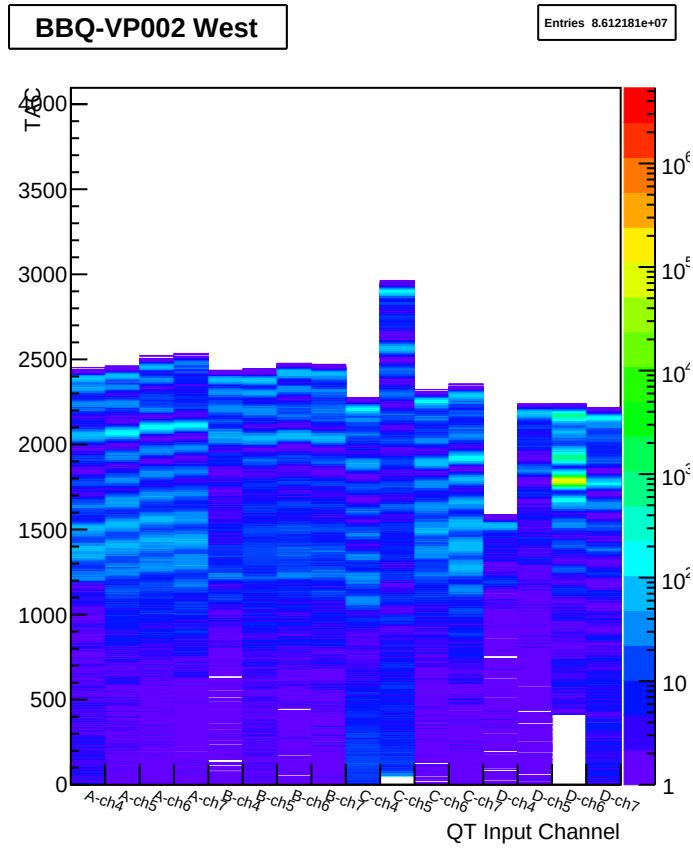

rawzdcEastTac
Entries5382613

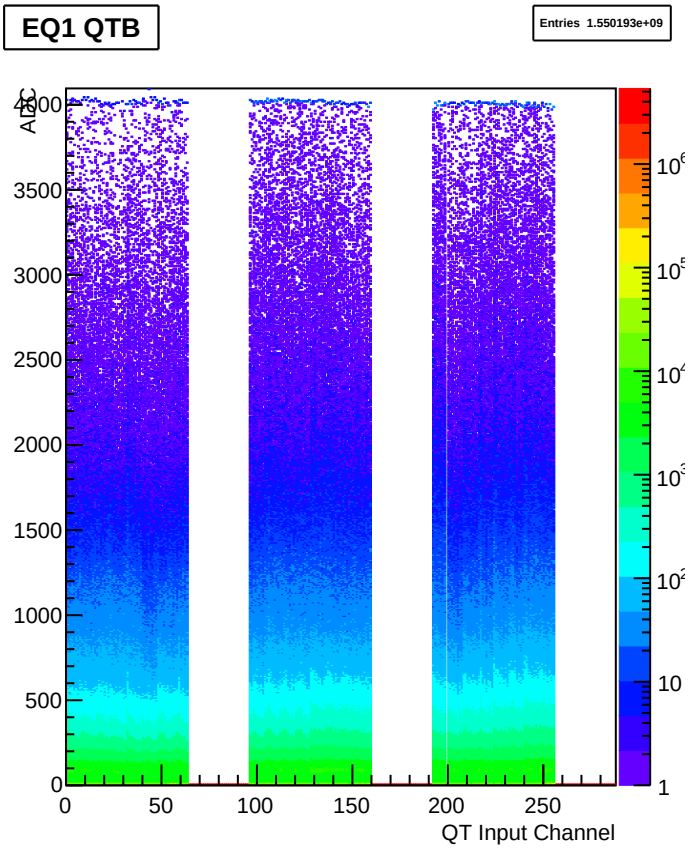

rawzdcWestTac
Entries5382613

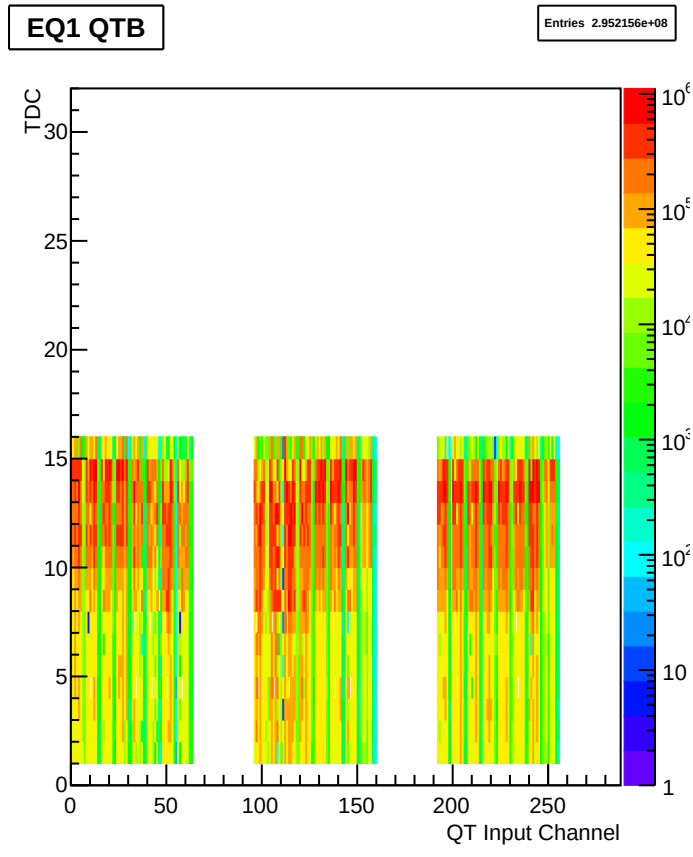

BBQ-VP001 East
Entries 8.612181e+07
ADC
QT Input Channel

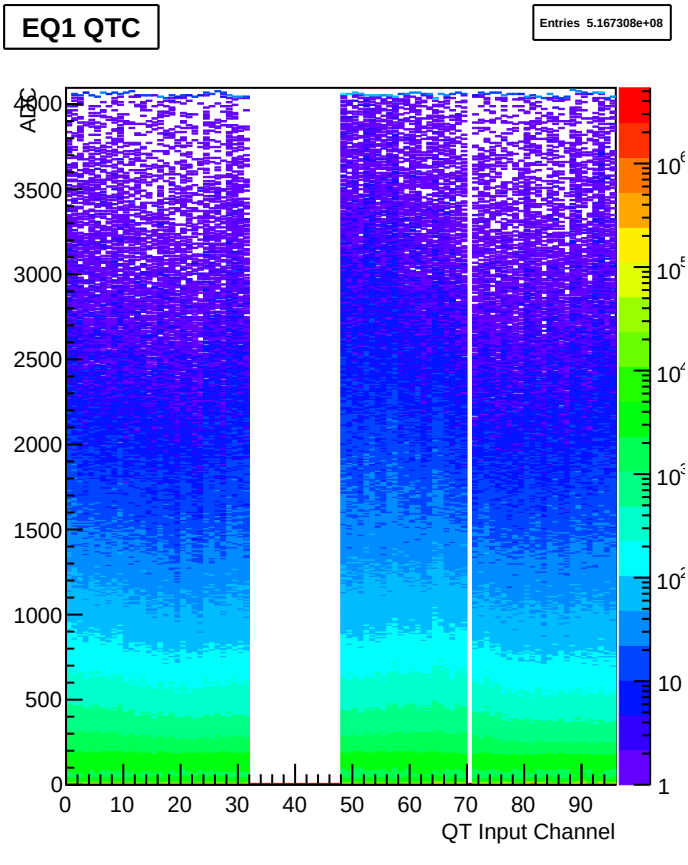

BBQ-VP001 East
Entries 8.612181e+07
TADC
QT Input Channel

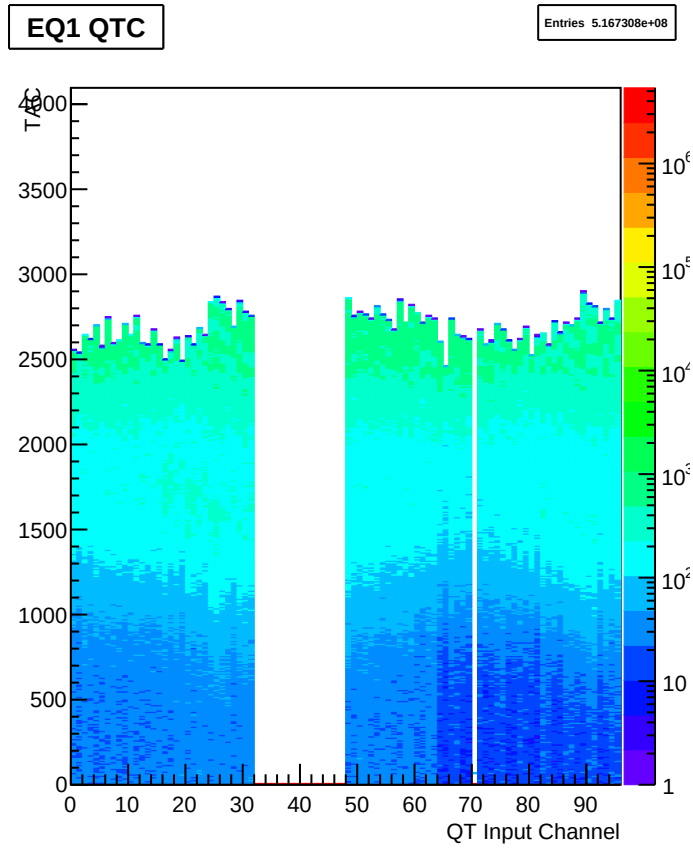

BBQ-VP002 West
Entries 8.612181e+07
ADC
QT Input Channel

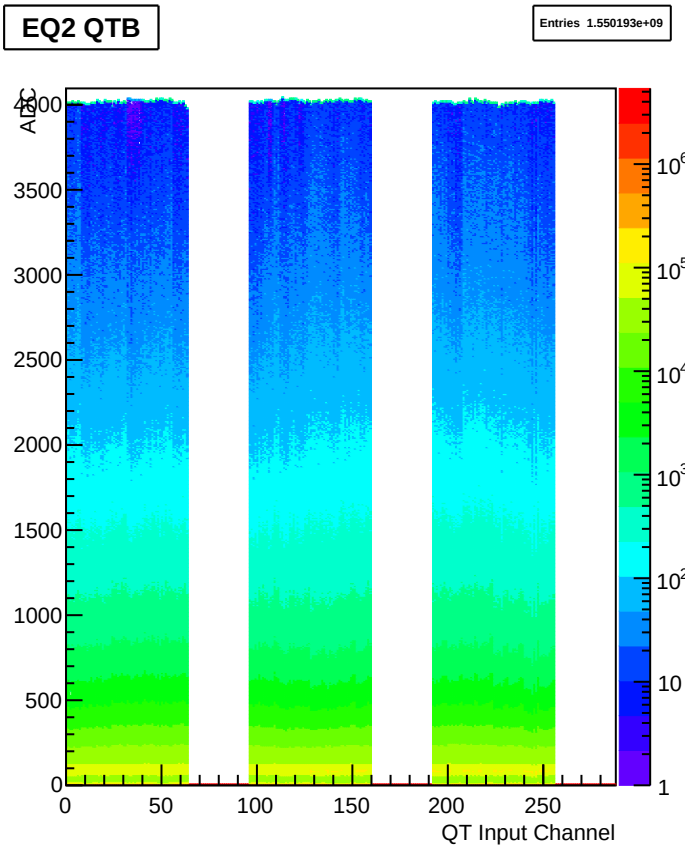

BBQ-VP002 West
Entries 8.612181e+07
TADC
QT Input Channel

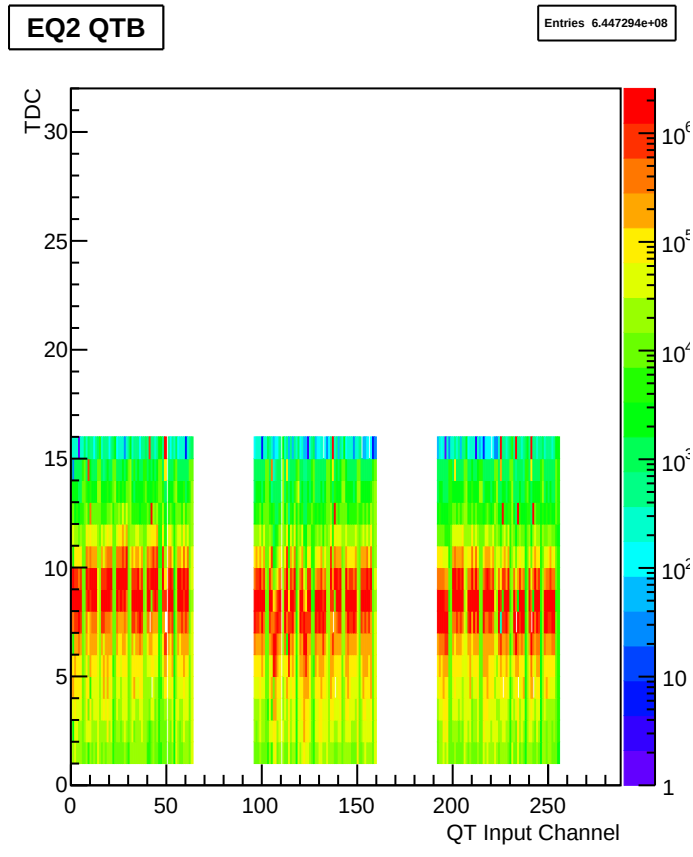

EQ1 QTB
Entries 1.550193e+09
ADC
QT Input Channel

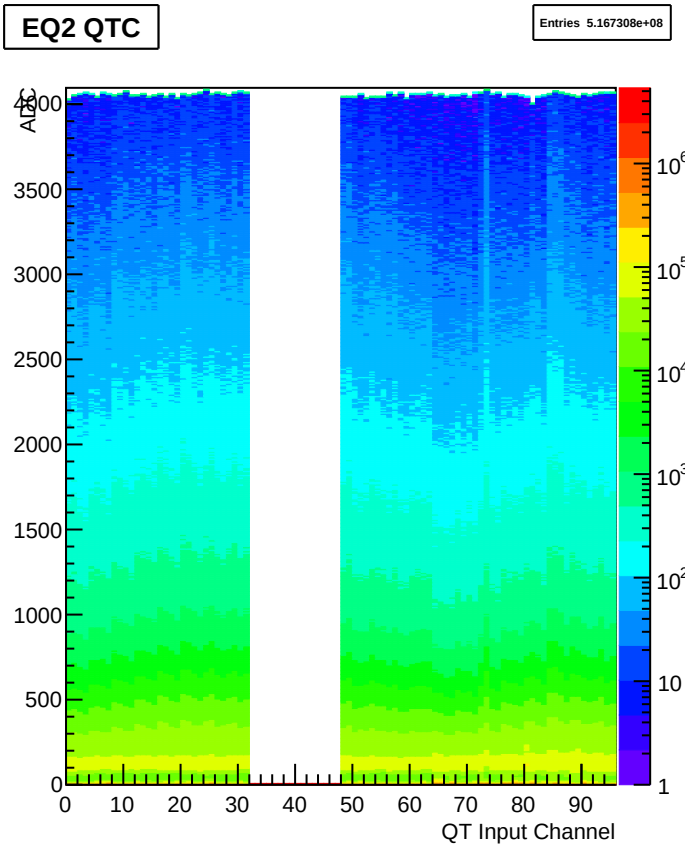

EQ1 QTB
Entries 2.952156e+08
TDC
QT Input Channel

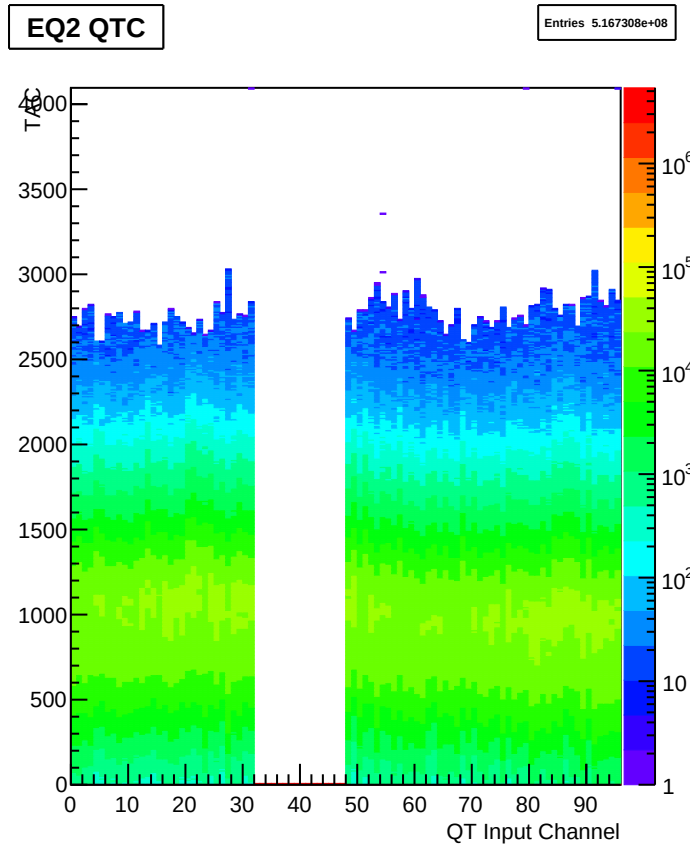

EQ1 QTC
Entries 5.167308e+08
ADC
QT Input Channel

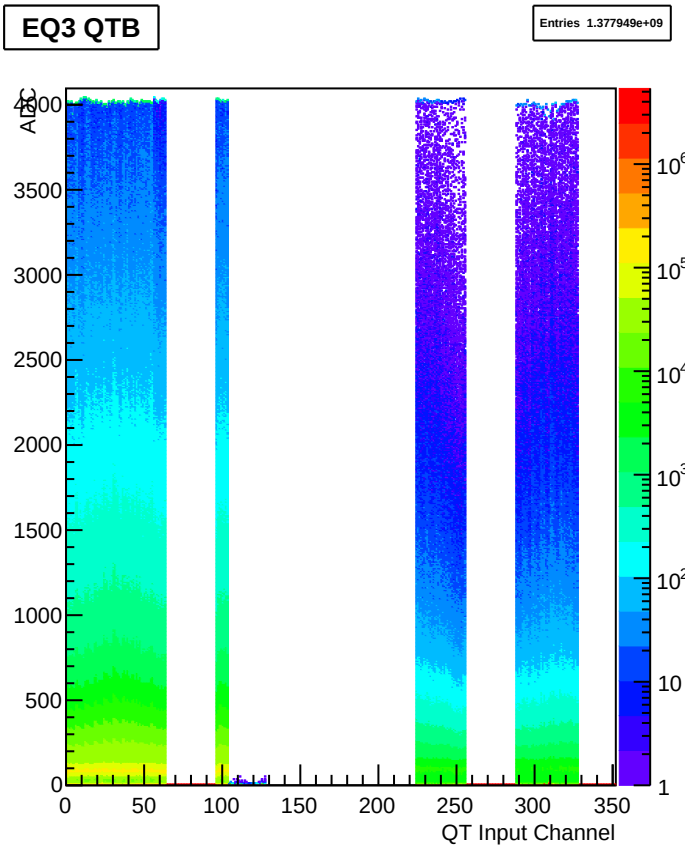

EQ1 QTC
Entries 5.167308e+08
TADC
QT Input Channel

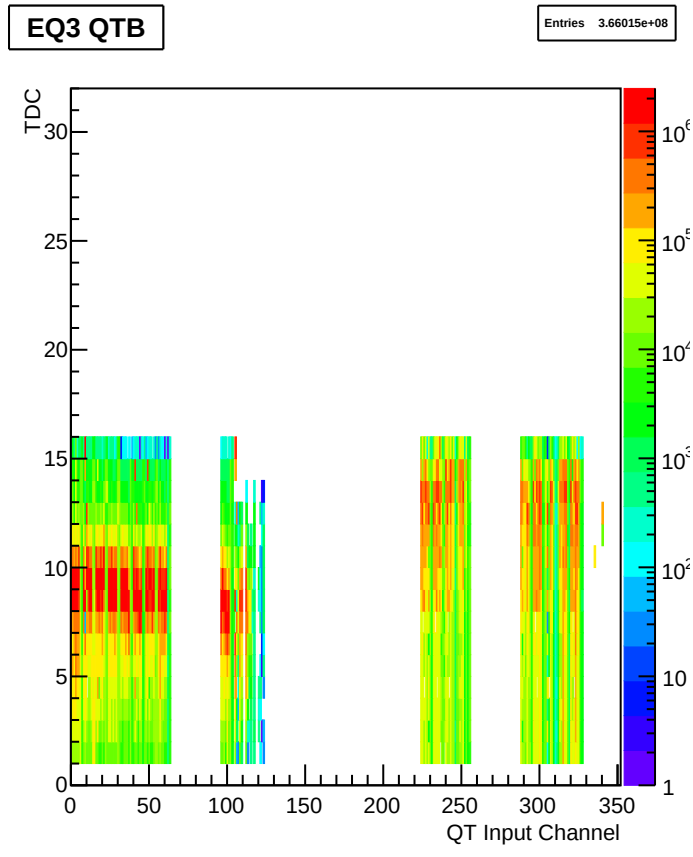

EQ2 QTB
Entries 1.550193e+09
ADC
QT Input Channel

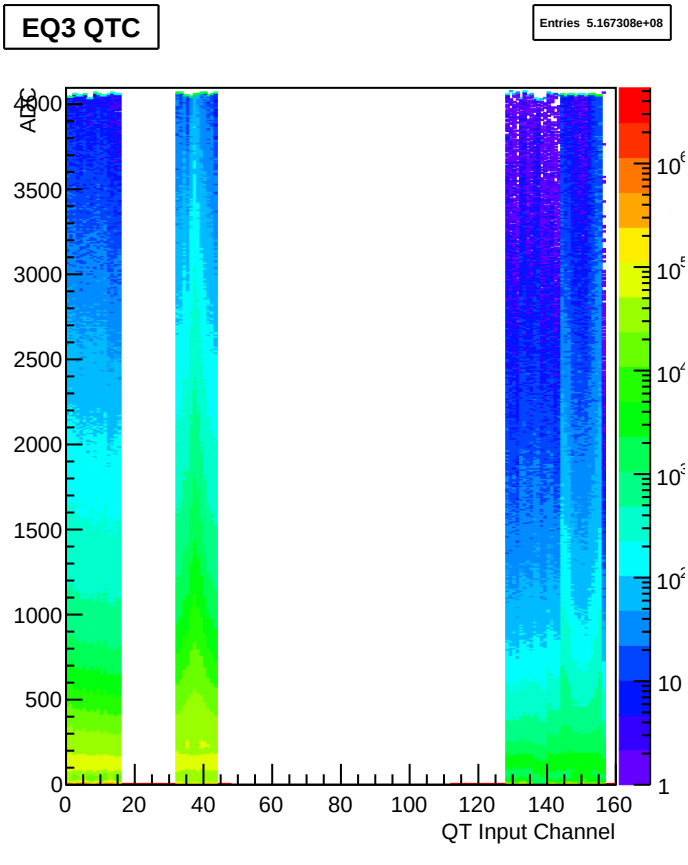

EQ2 QTB
Entries 6.447294e+08
TDC
QT Input Channel


EQ2 QTC
Entries 5.167308e+08
ADC
QT Input Channel


EQ2 QTC
Entries 5.167308e+08
TADC
QT Input Channel


EQ3 QTB
Entries 1.377949e+09
ADC
QT Input Channel


EQ3 QTB
Entries 3.66015e+08
TDC
QT Input Channel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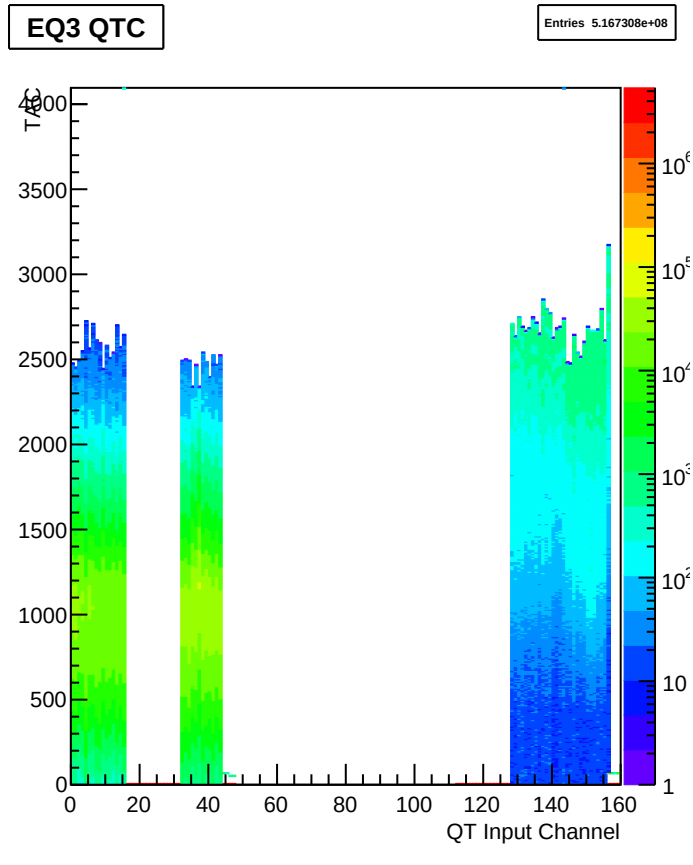
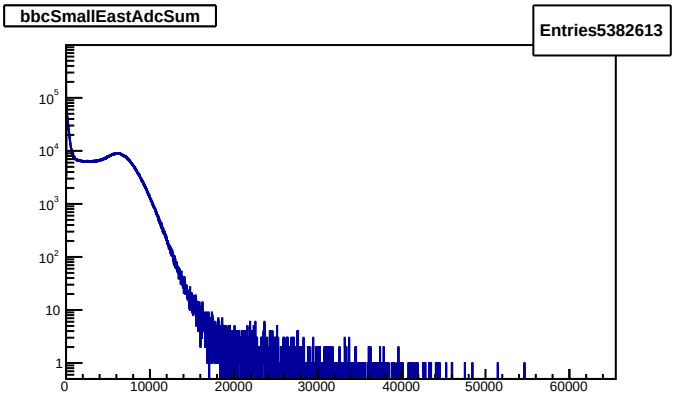
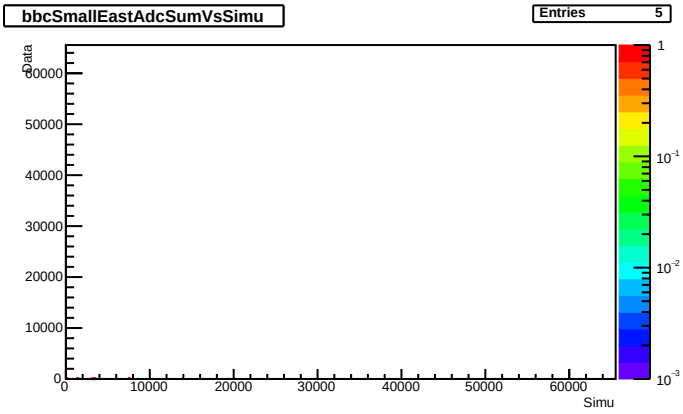
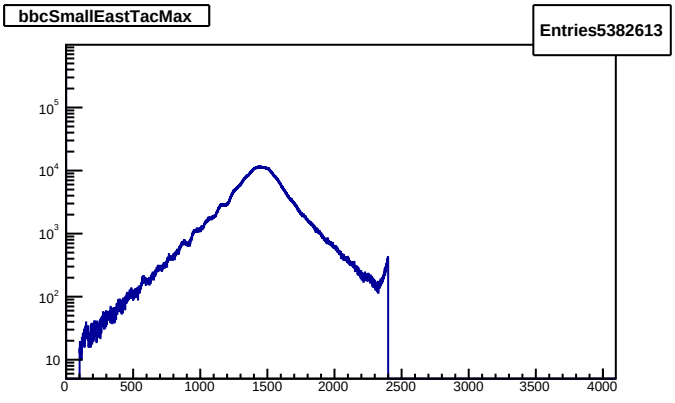
Entries 5.167308e+08
ADC
QT Input Channel


EQ3 QTC
Entries 5.167308e+08
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries5382613


bbcSmallEastAdcSumVsSimu
Entries 5
Data
Simu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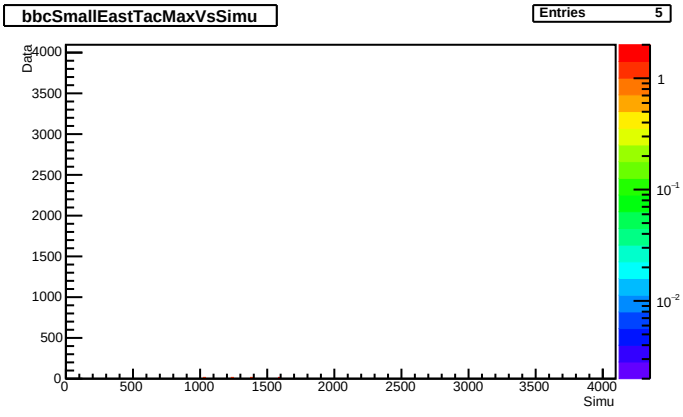
Entries5382613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Entries 5
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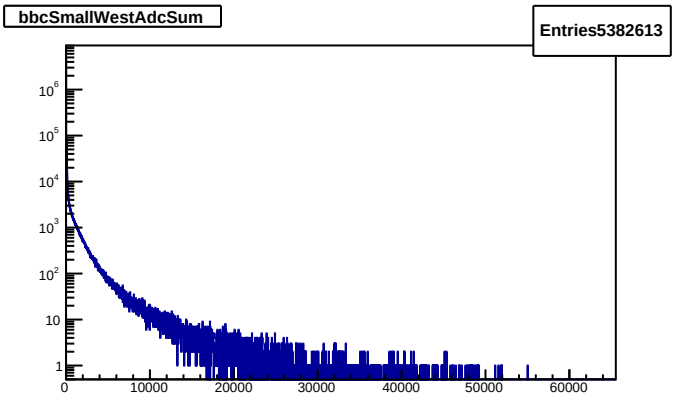
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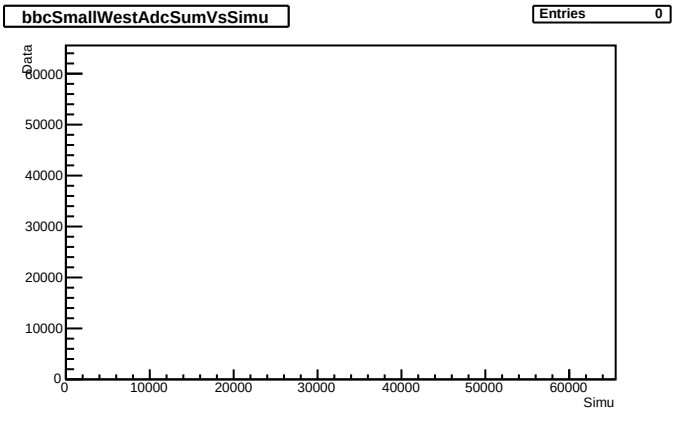
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Entries 0
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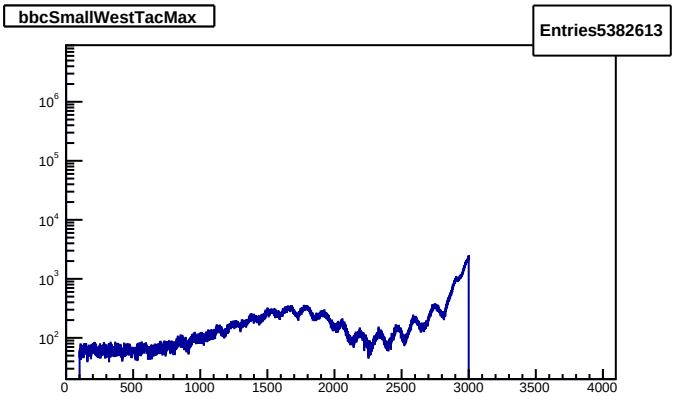
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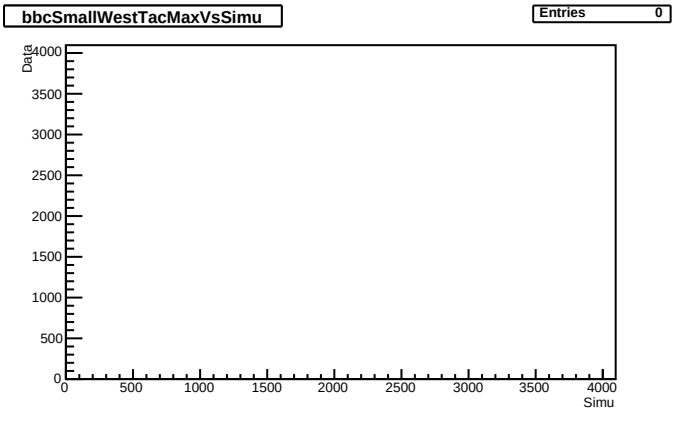
Entries5382613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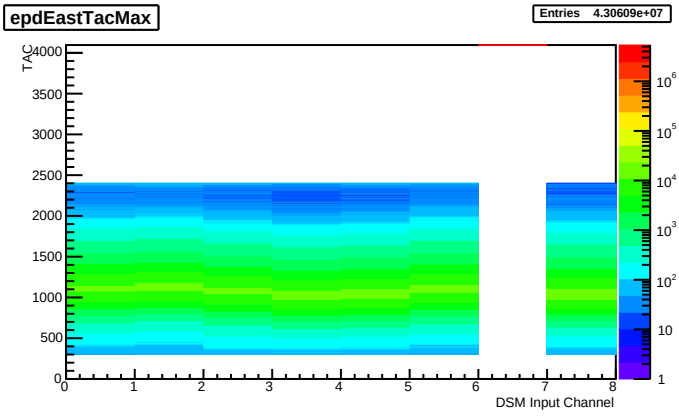
Entries 0
Data
Simu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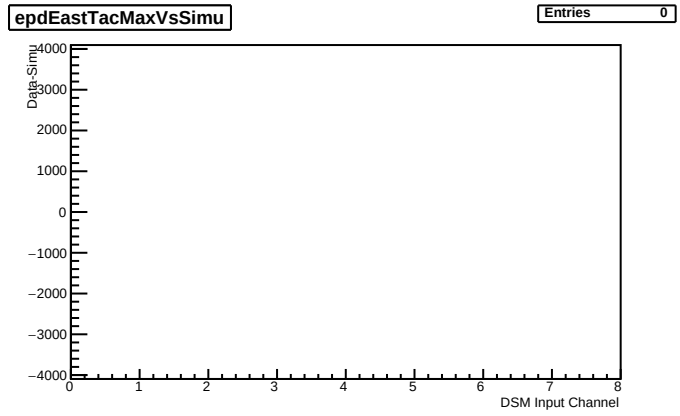
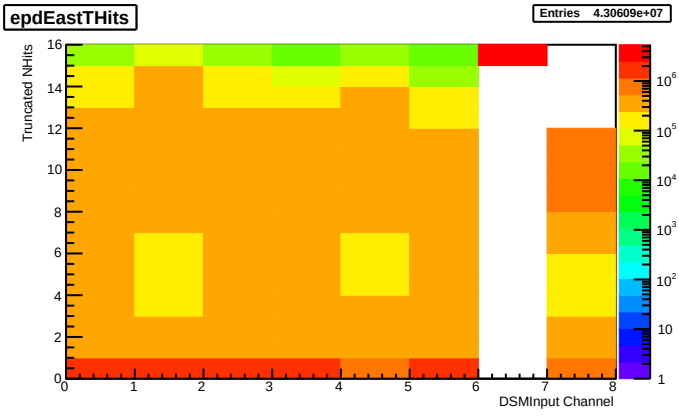
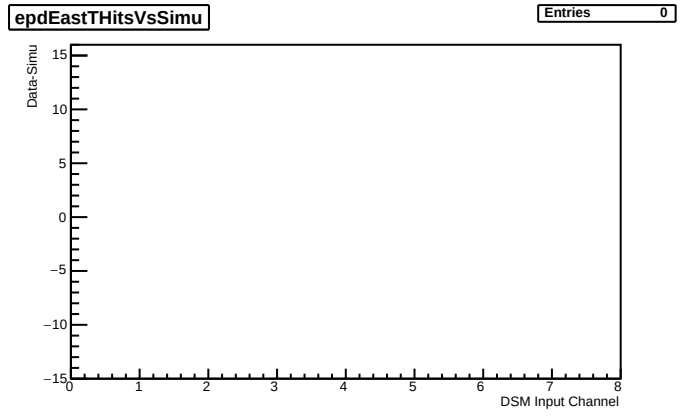
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4.30609e+07
Truncated NHits
DSMInput Channel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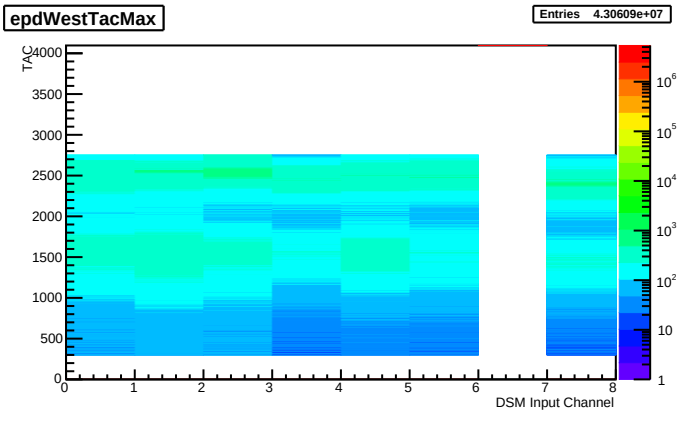
Data-Simu
DSM Input Channel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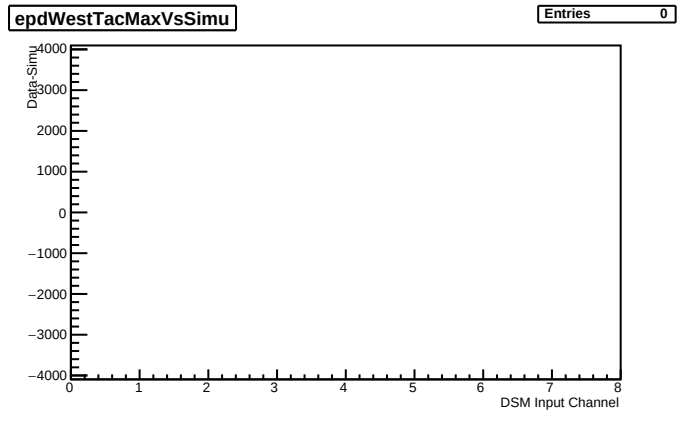
Entries 4.30609e+07
TAC
DSM Input Channel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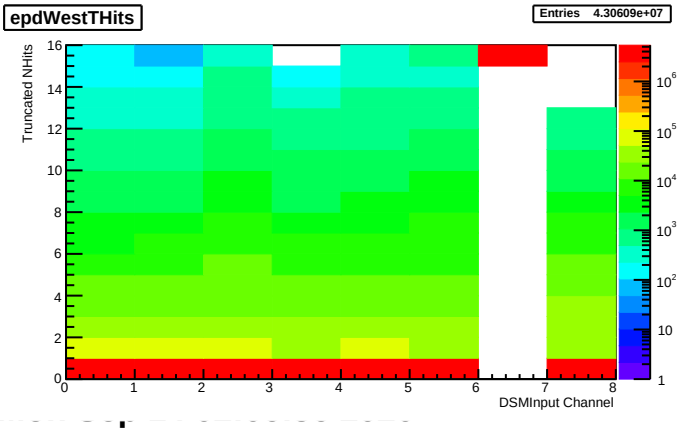
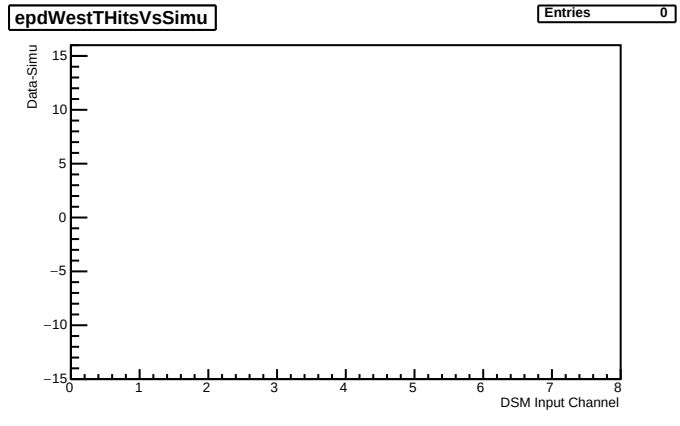
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 4.30609e+07
Truncated NHits
DSMInput Channel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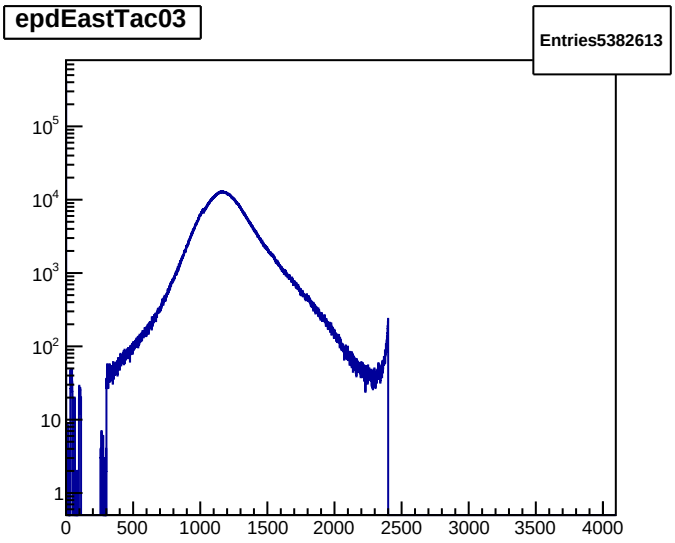
DSM Input Channel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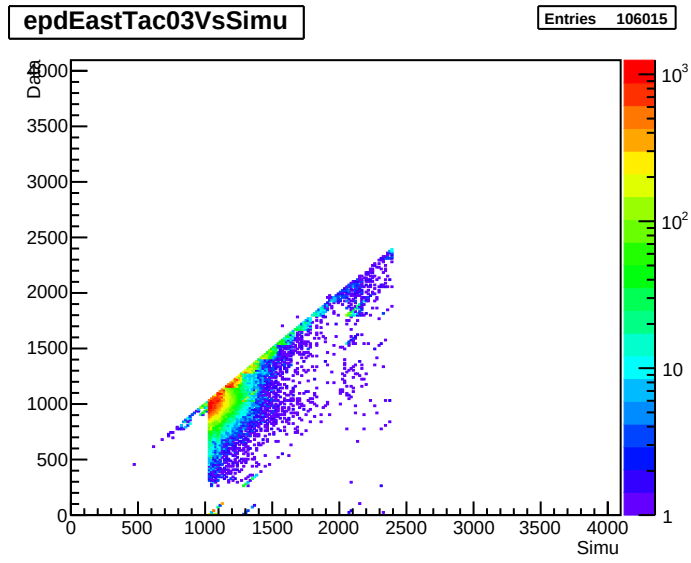
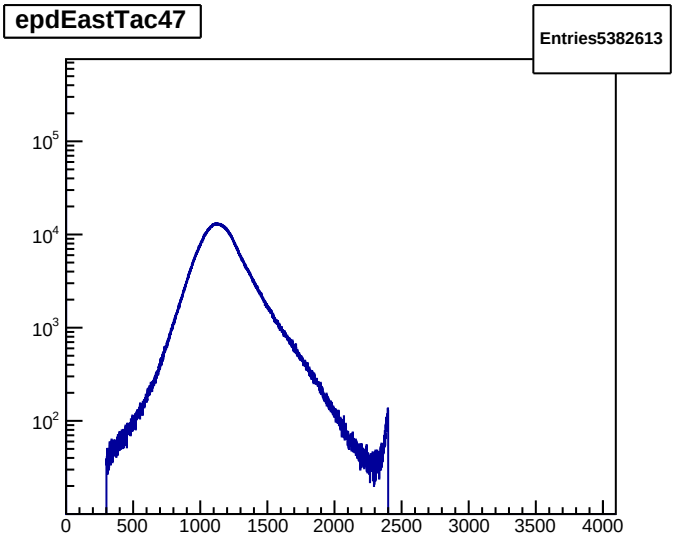
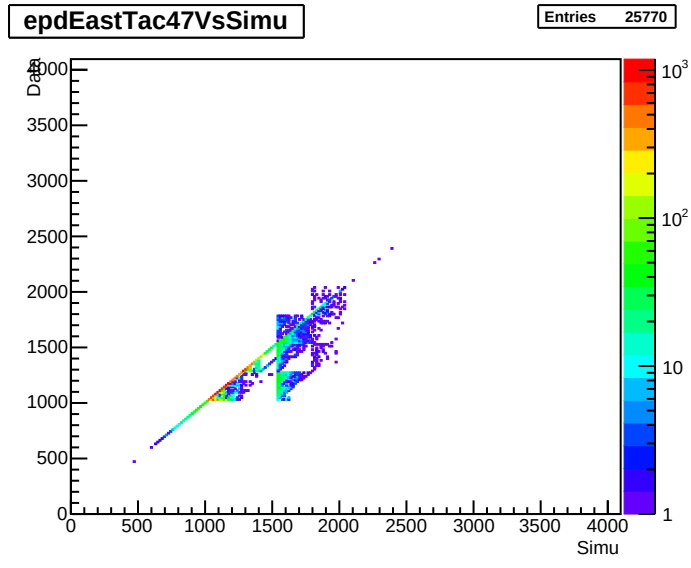
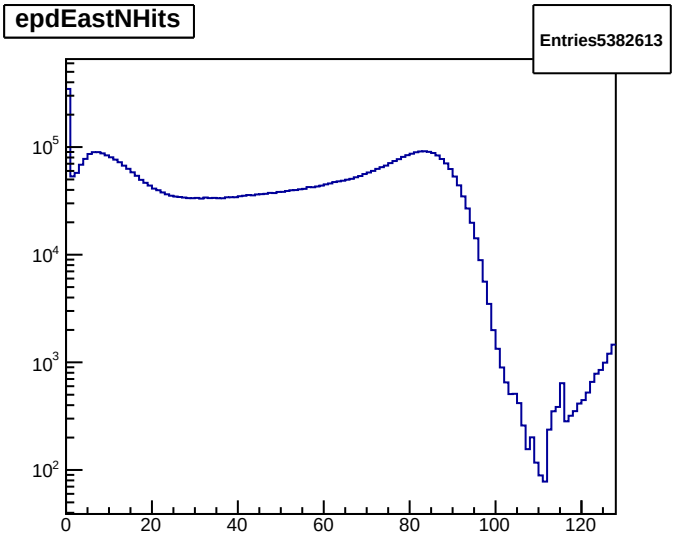
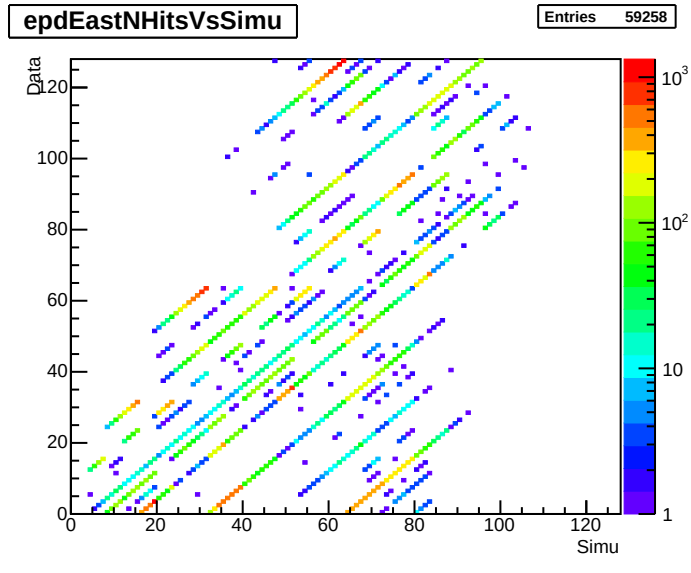
Entries5382613


epdEastTac03VsSimu
Entries 106015
Data
Simu


epdEastTac47
Entries5382613


epdEastTac47VsSimu
Entries 25770
Data
Simu


epdEastNHits
Entries5382613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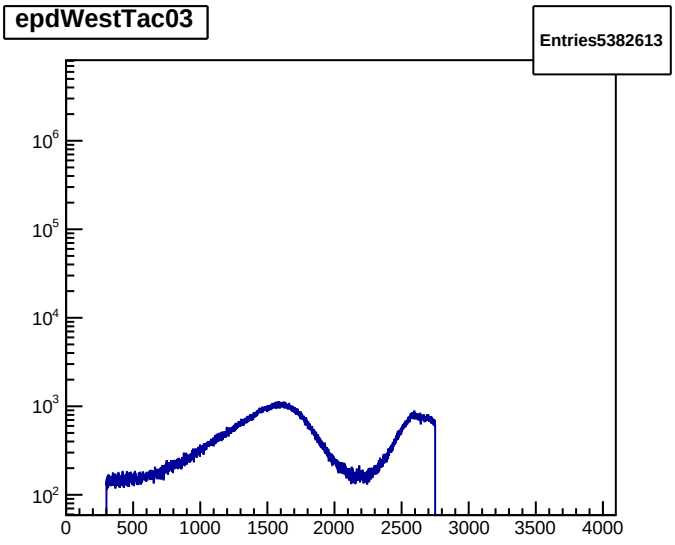
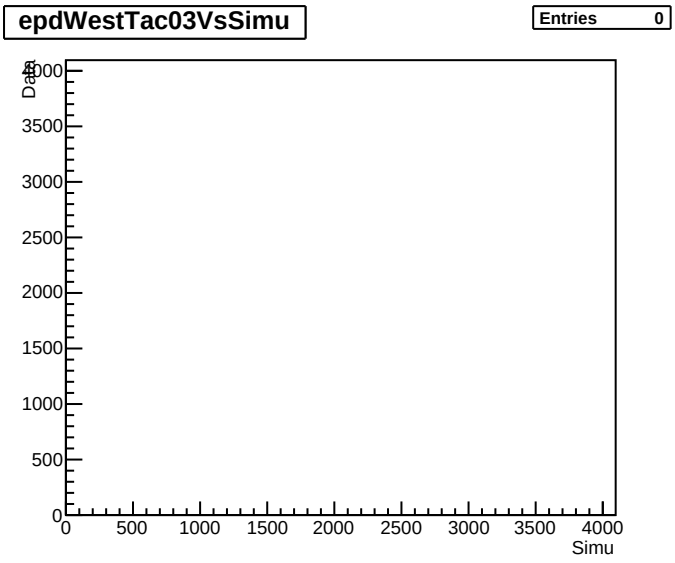
Entries 59258
Data
Simu


epdWestTac03
Entries5382613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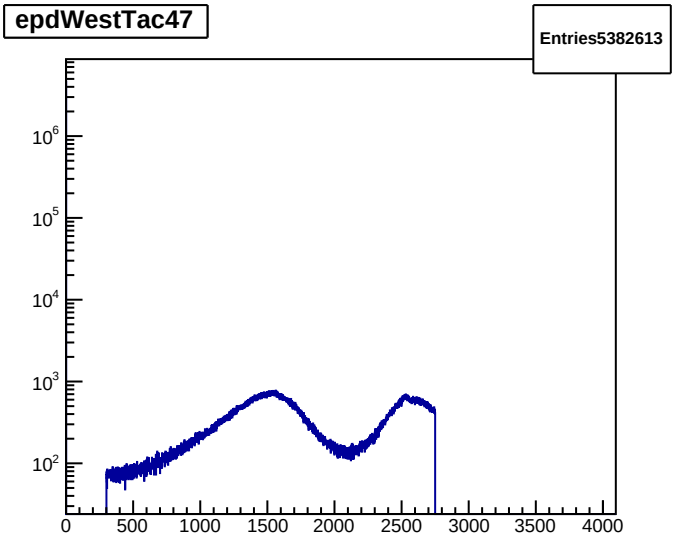
Entries 0
Data
Simu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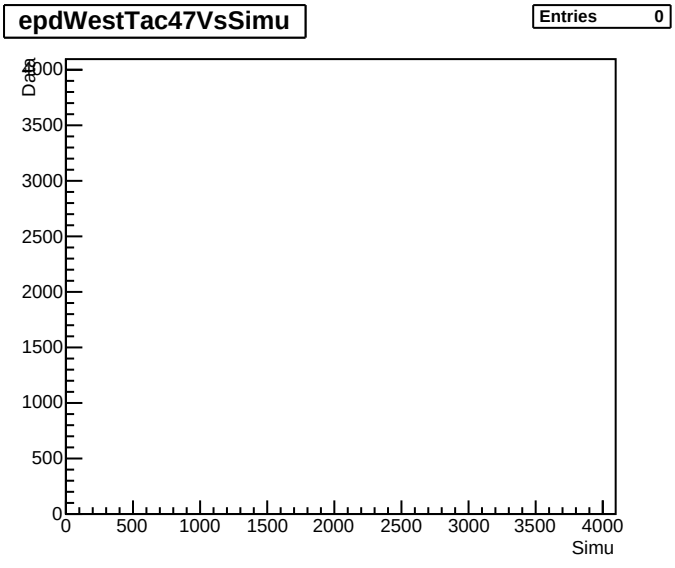
Entries5382613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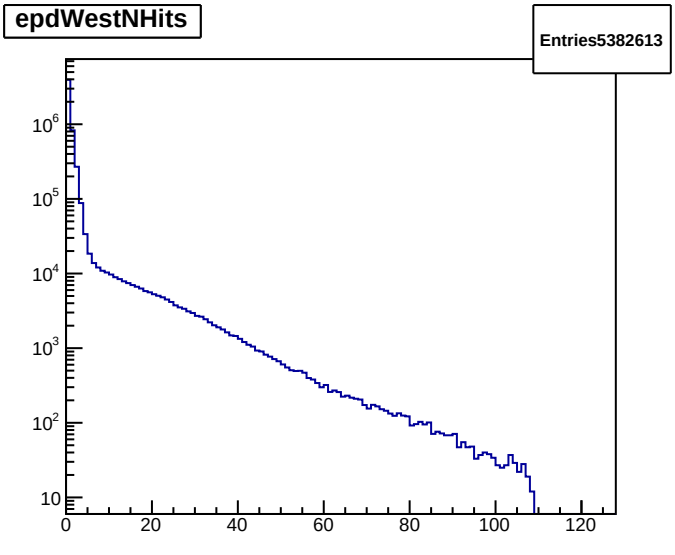
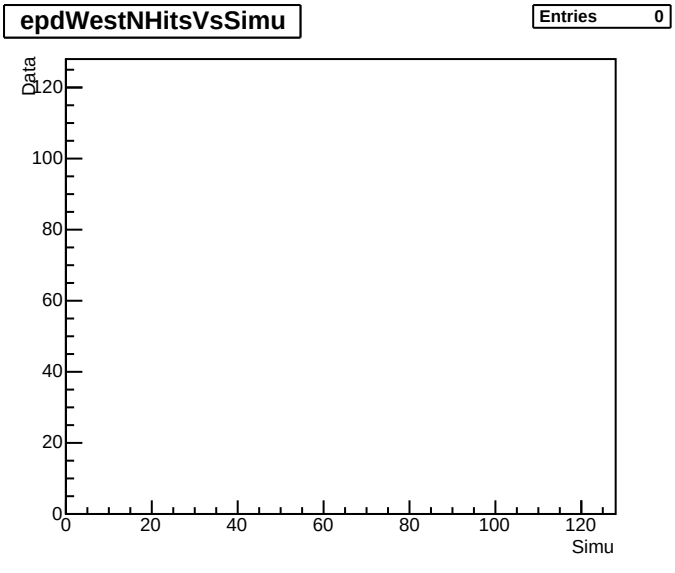
Entries 0
Data
Simu


epdWestNHits
Entries5382613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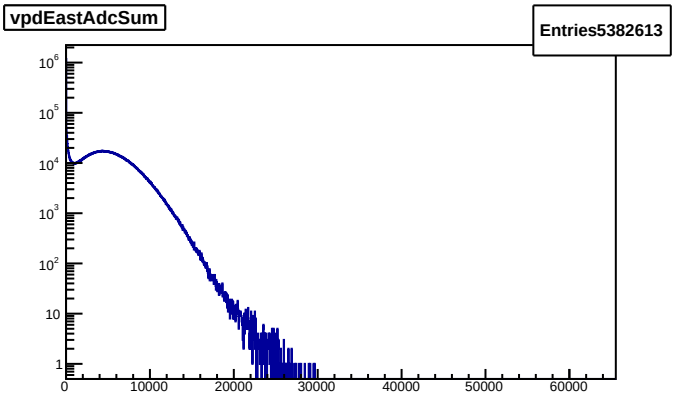
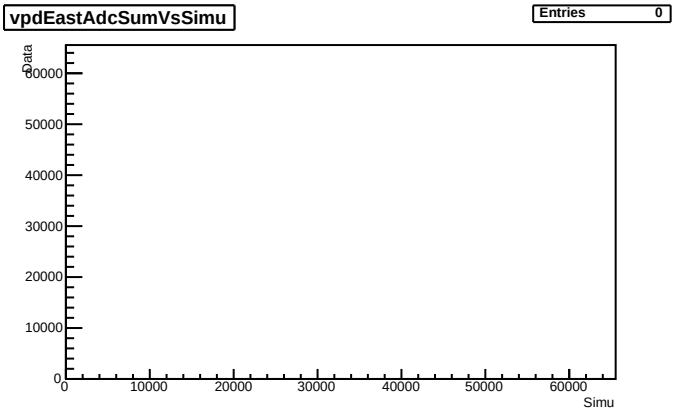
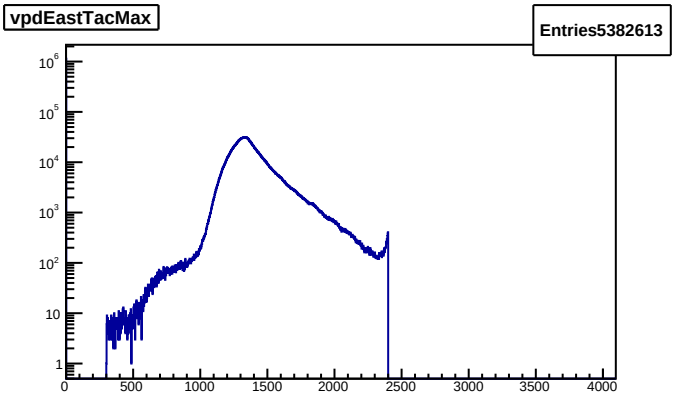
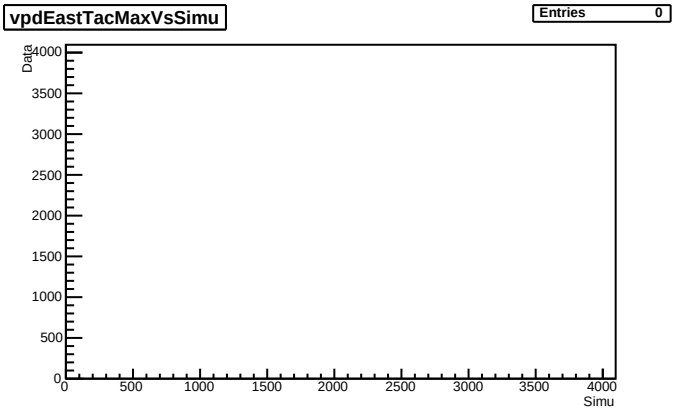
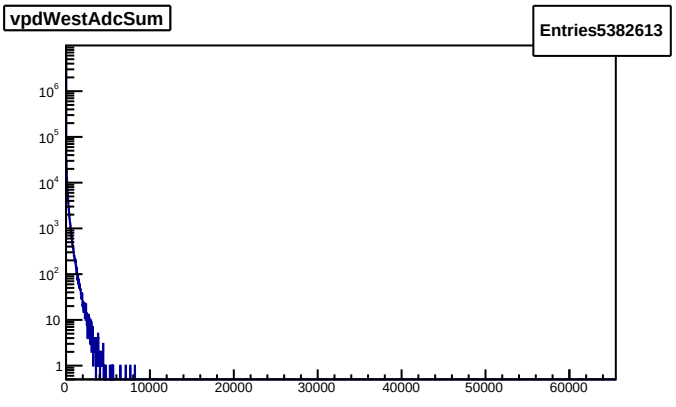
Entries 0
Data
Simu

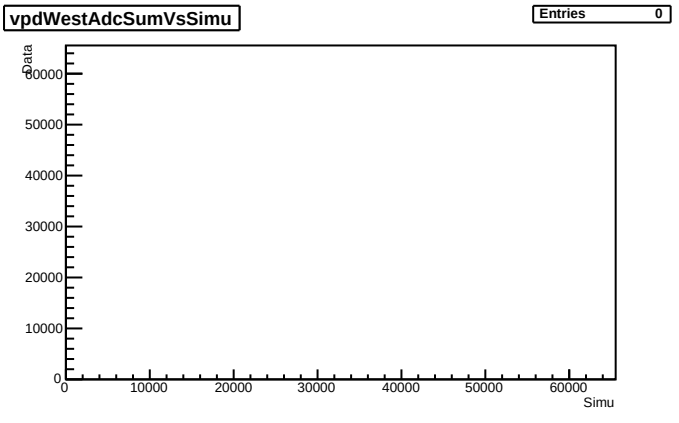

vpdEastAdcSum
Entries5382613


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries5382613


vpdEastTacMaxVsSimu
Entries 0
Data
Simu


vpdWestAdcSum
Entries5382613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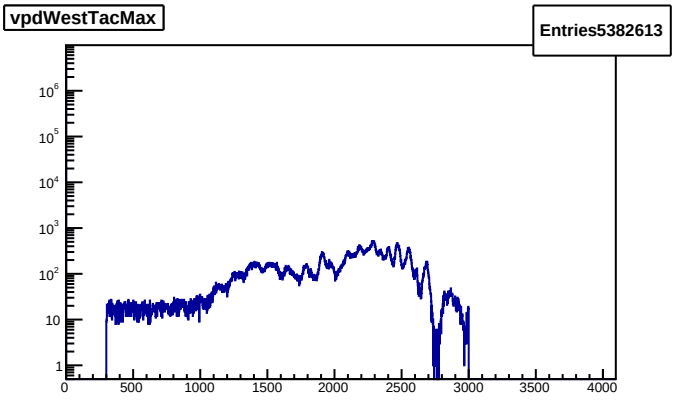
Entries 0
Data
Simu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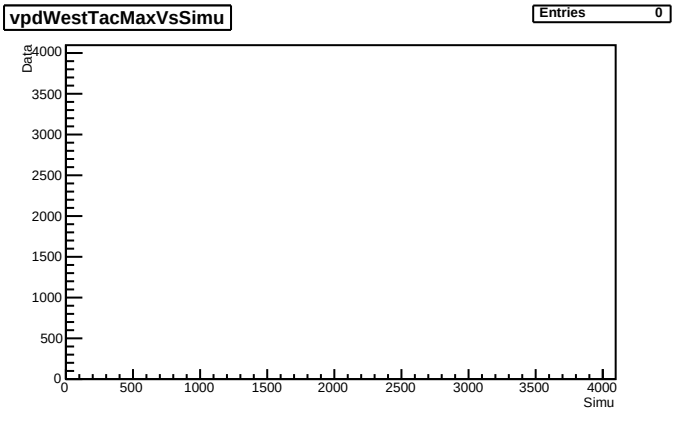
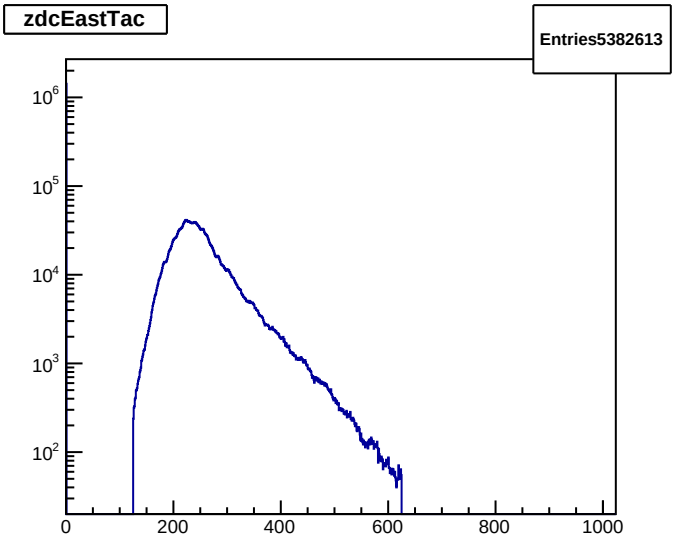
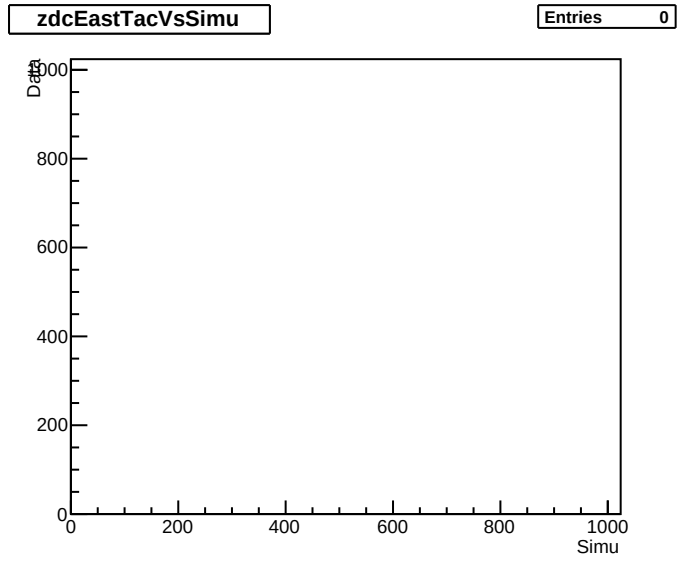
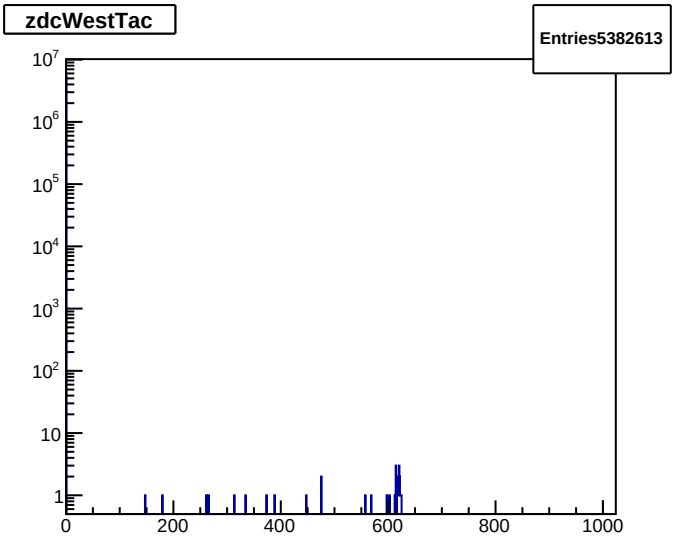
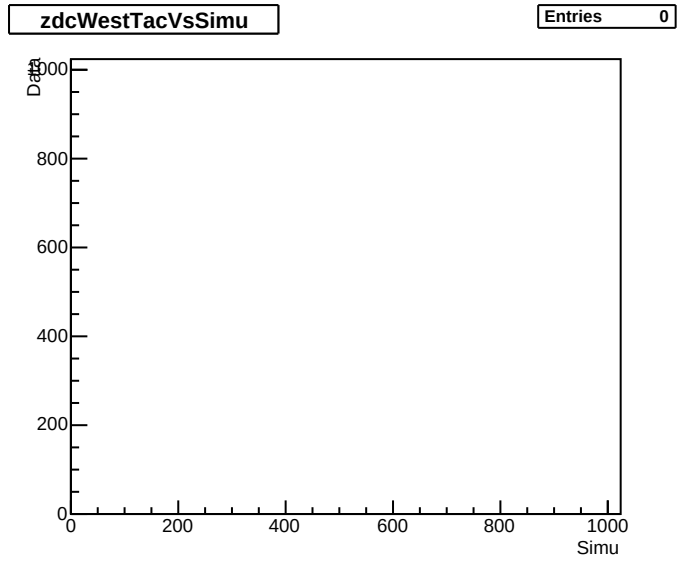
Entries5382613

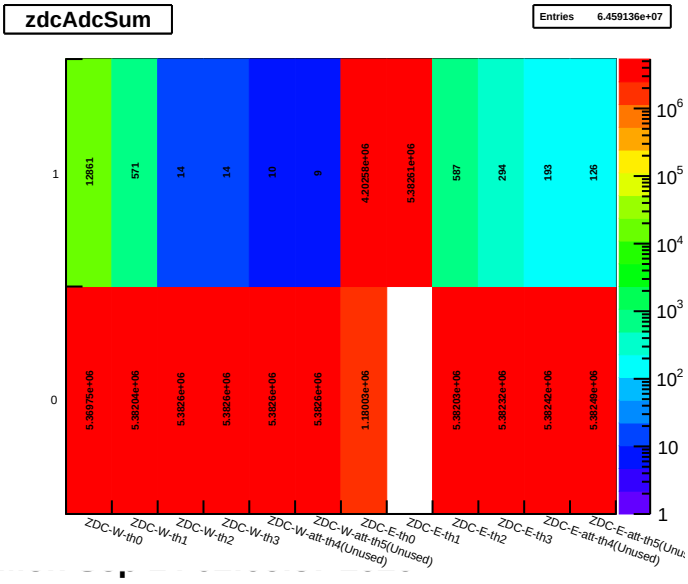

vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries5382613


zdcEastTacVsSimu
Entries 0
Data
Simu


zdcWestTac
Entries5382613


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 6.459136e+07
12861
571
14
14
10
9
4.20258e+06
5.38281e+06
587
294
193
126
5.38975e+06
5.38204e+06
5.38226e+06
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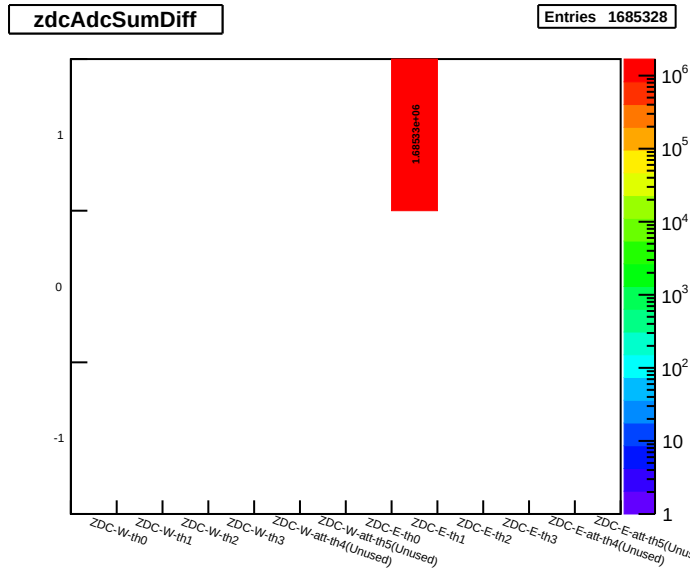
5.38226e+06
5.38226e+06
1.18003e+06
5.38203e+06
5.38232e+06
5.38242e+06
5.38249e+06
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu


zdcAdcSumDiff
Entries 1685328
1.68533e+06
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
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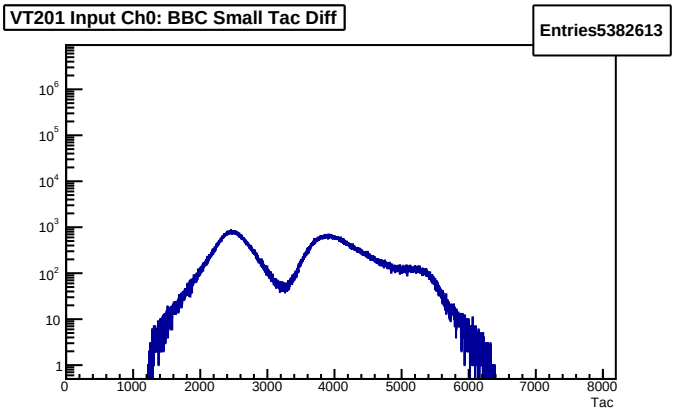
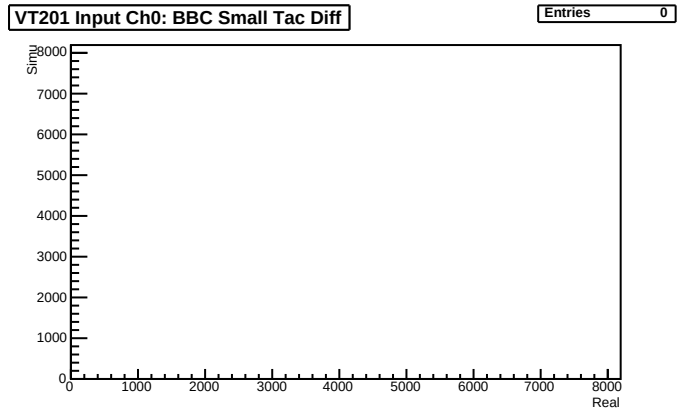
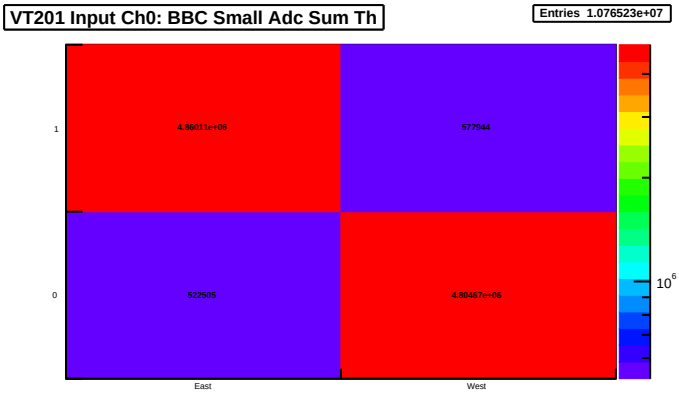
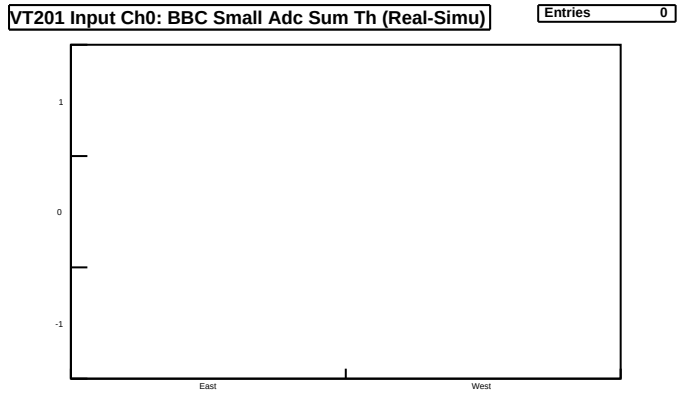
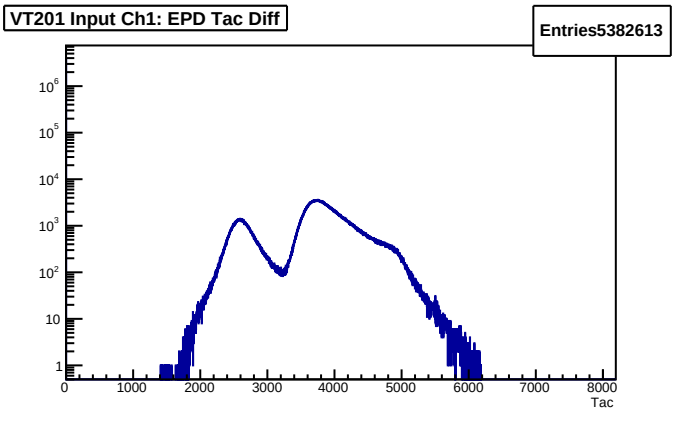
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

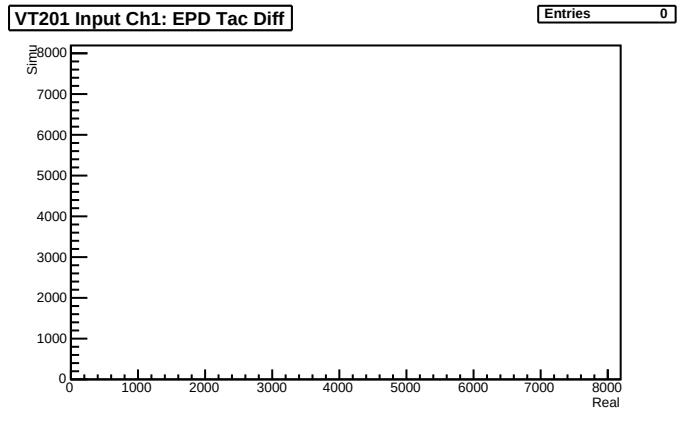

VT201 Input Ch0: BBC Small Tac Diff
Entries5382613
Tac

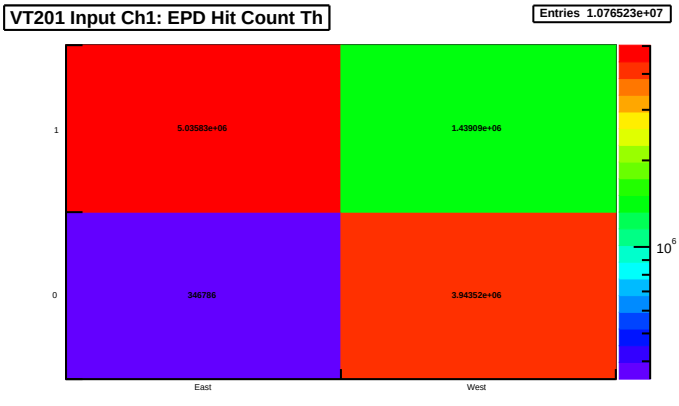

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

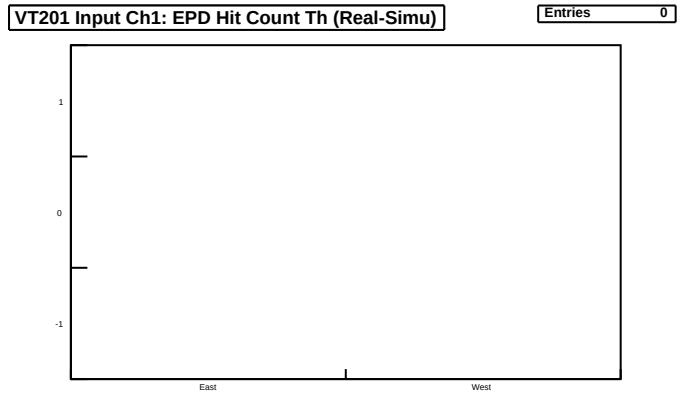

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1.076523e+07
4.86011e+06
577944
522505
4.80467e+06
East
West

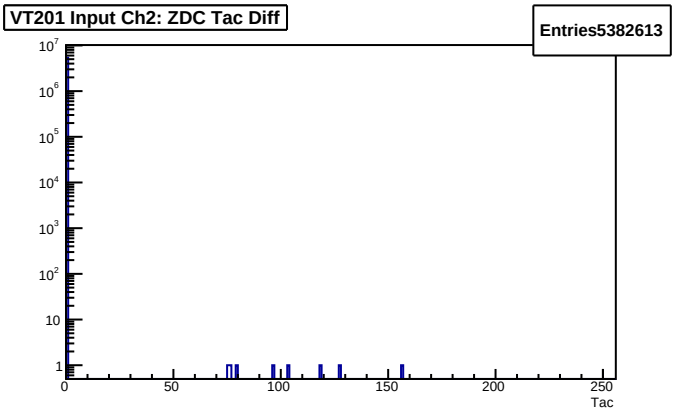

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

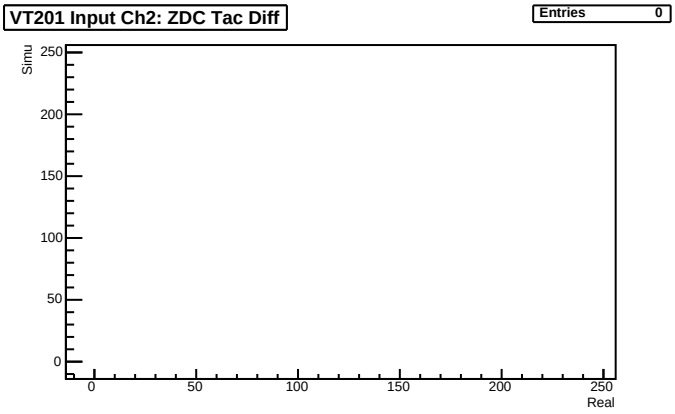

VT201 Input Ch1: EPD Tac Diff
Entries5382613
Tac

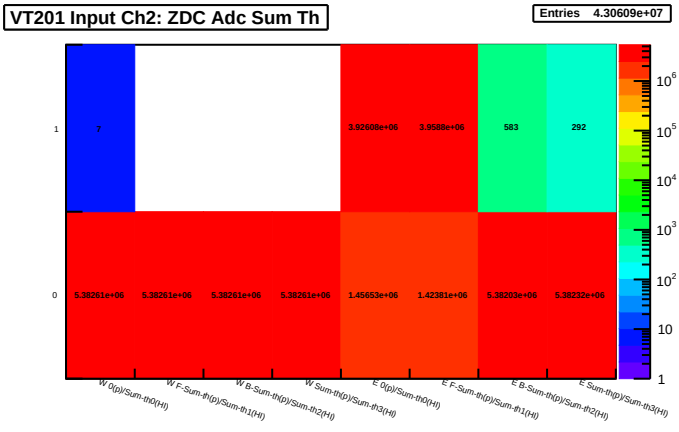

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

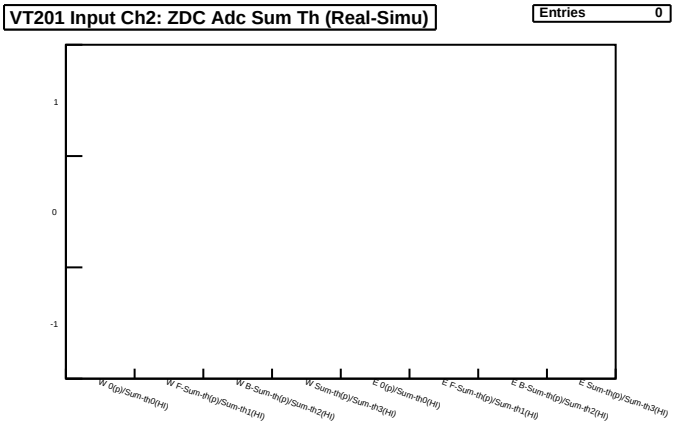

VT201 Input Ch1: EPD Hit Count Th
Entries 1.076523e+07
5.03583e+06
1.43909e+06
346786
3.94352e+06
East
West

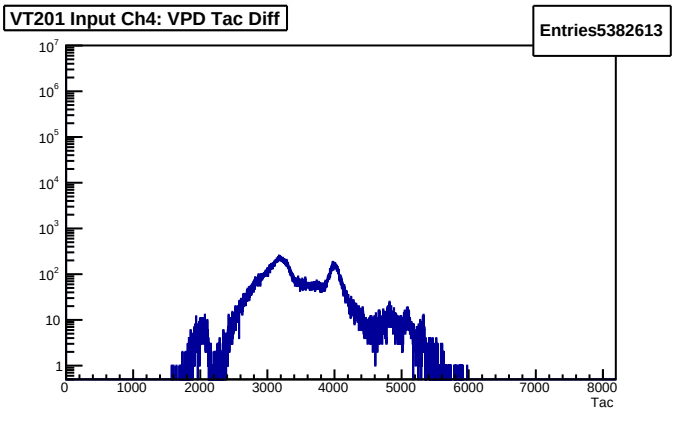

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

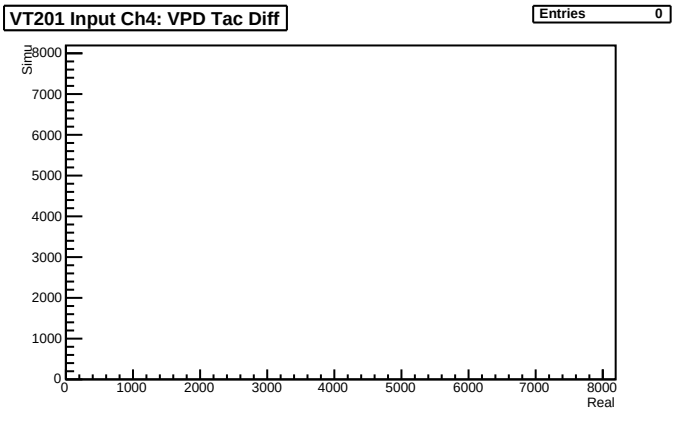

VT201 Input Ch2: ZDC Tac Diff
Entries5382613
Tac

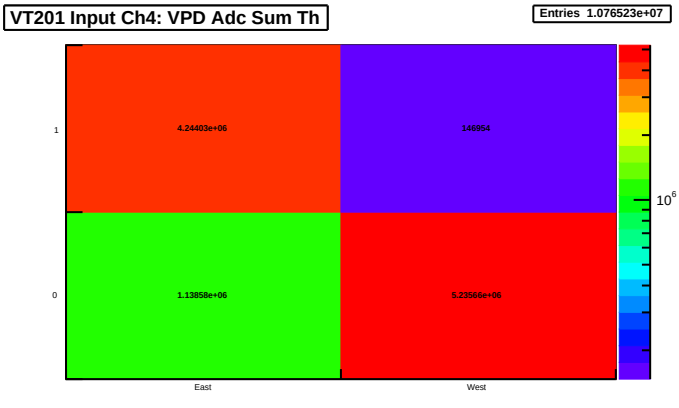

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

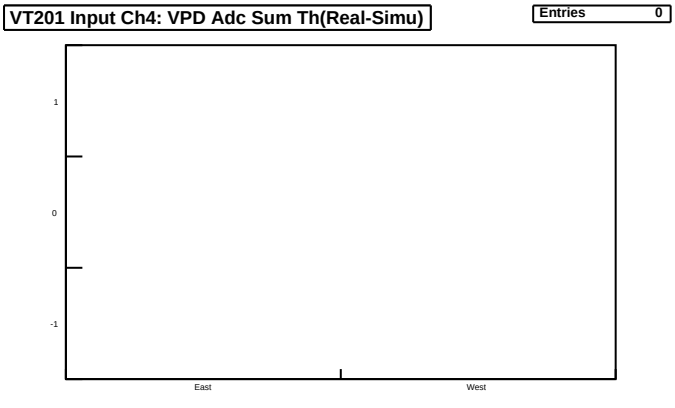

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4.30609e+07
7
3.92608e+06
3.9588e+06
583
292
5.38261e+06
5.38261e+06
5.38261e+06
5.38261e+06
1.45653e+06
1.42381e+06
5.38203e+06
5.38232e+06
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

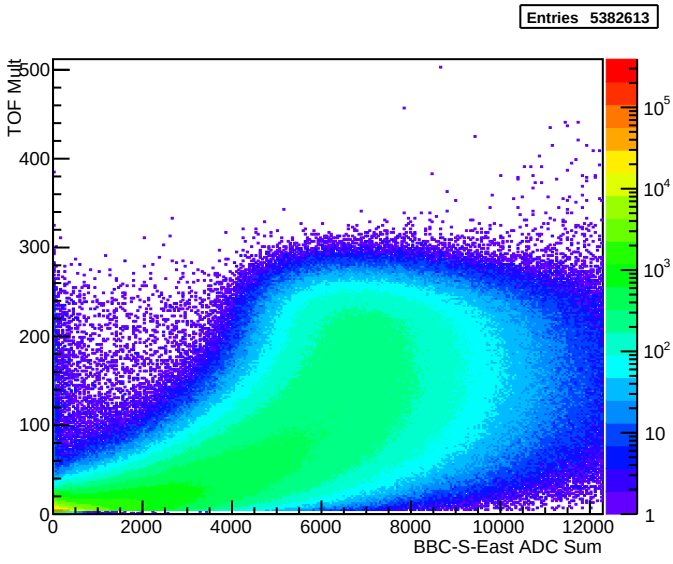

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

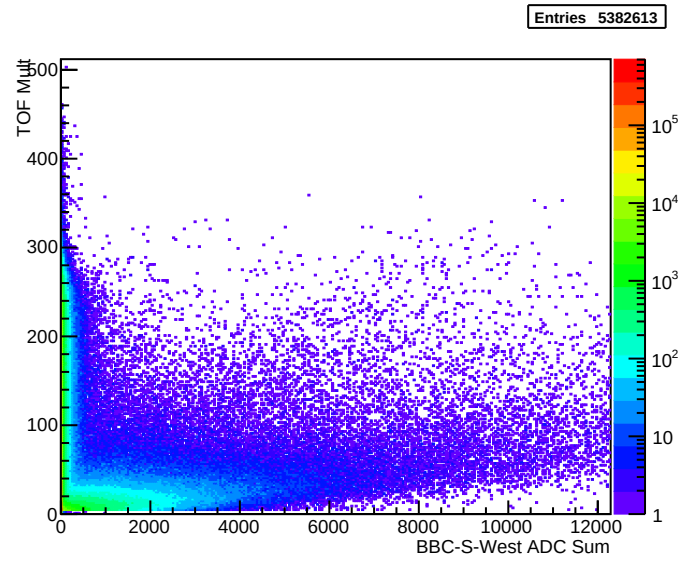

VT201 Input Ch4: VPD Tac Diff
Entries5382613
Tac

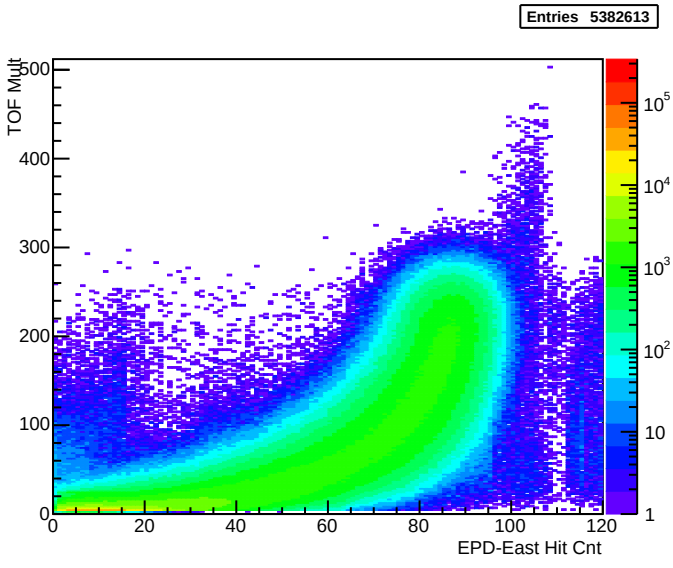

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

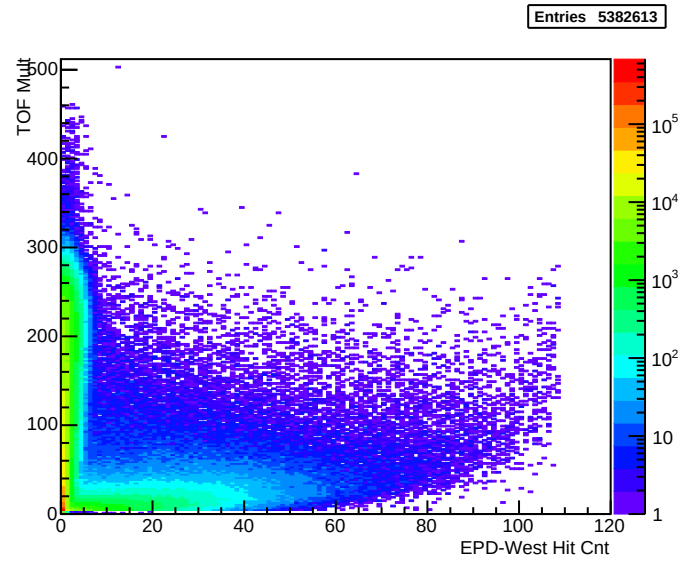

VT201 Input Ch4: VPD Adc Sum Th
Entries 1.076523e+07
4.24403e+06
146954
1.13858e+06
5.23566e+06
East
West

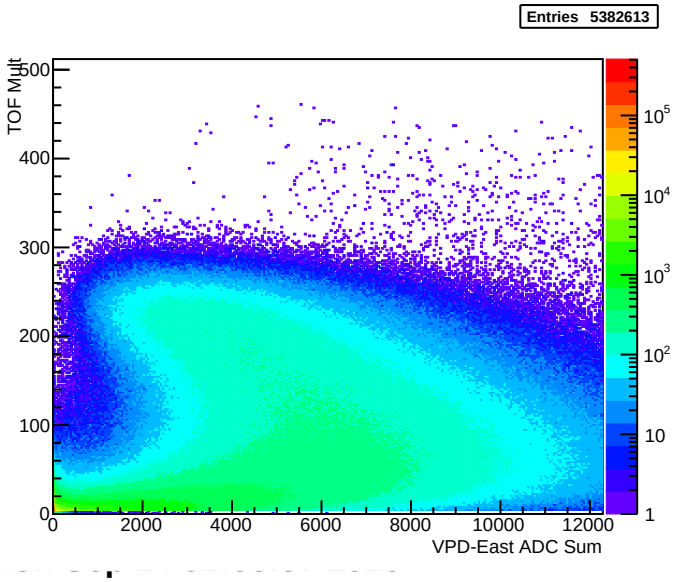

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

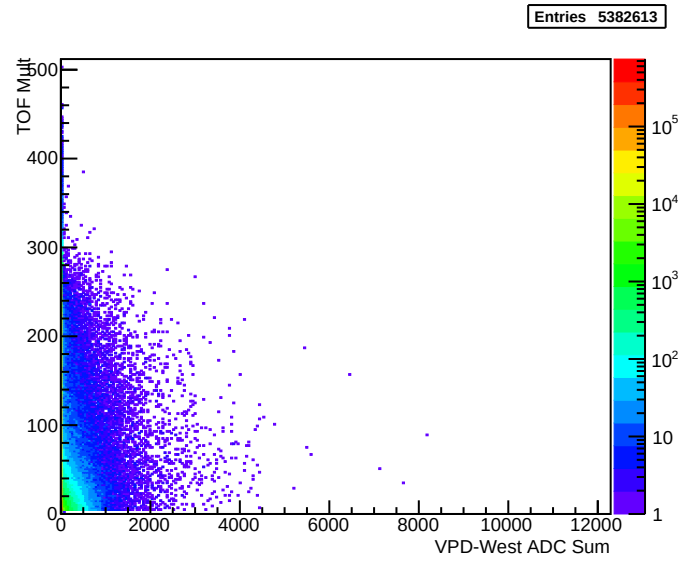

Entries 5382613
TOF Mult
BBC-S-East ADC Sum

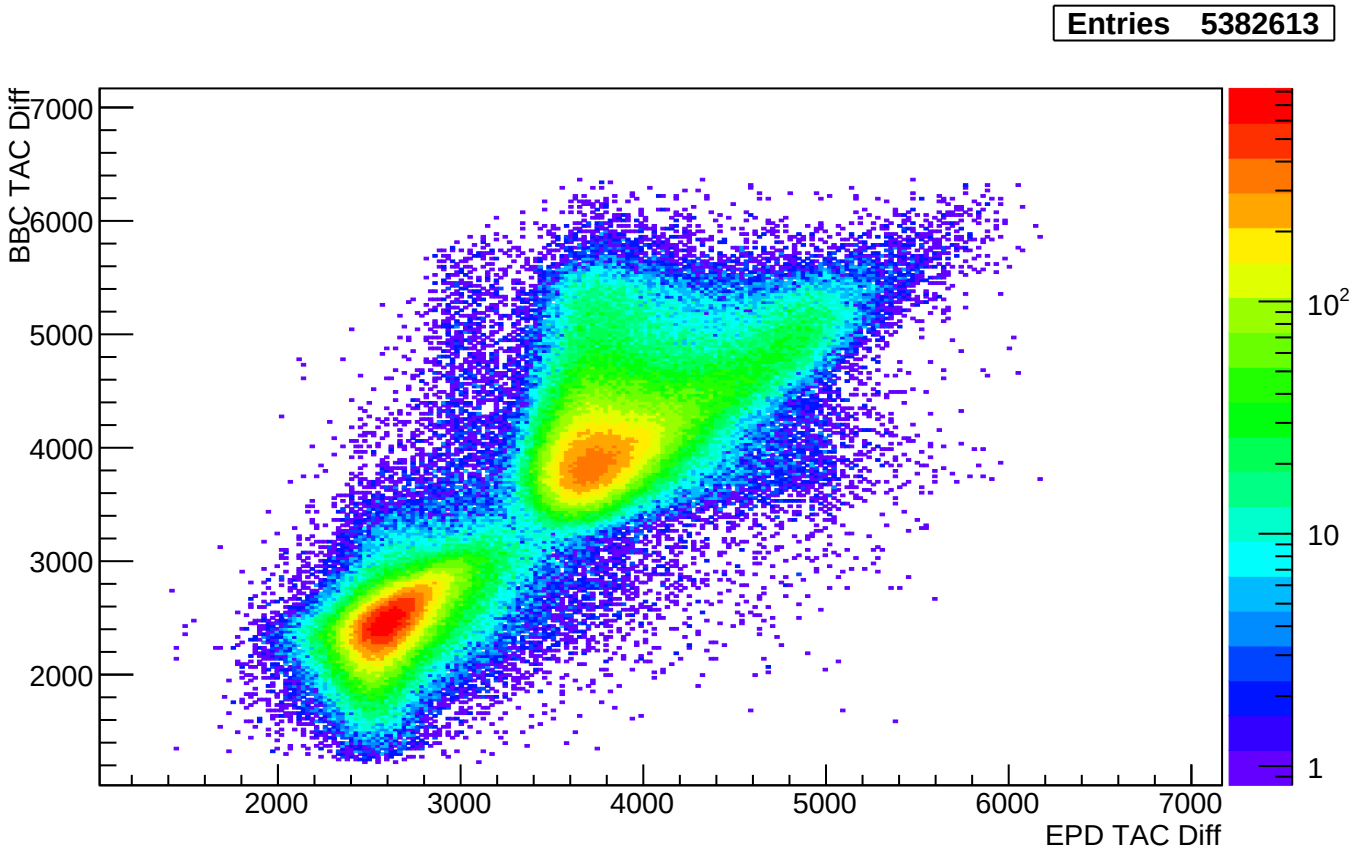

Entries 5382613
TOF Mult
BBC-S-West ADC Sum

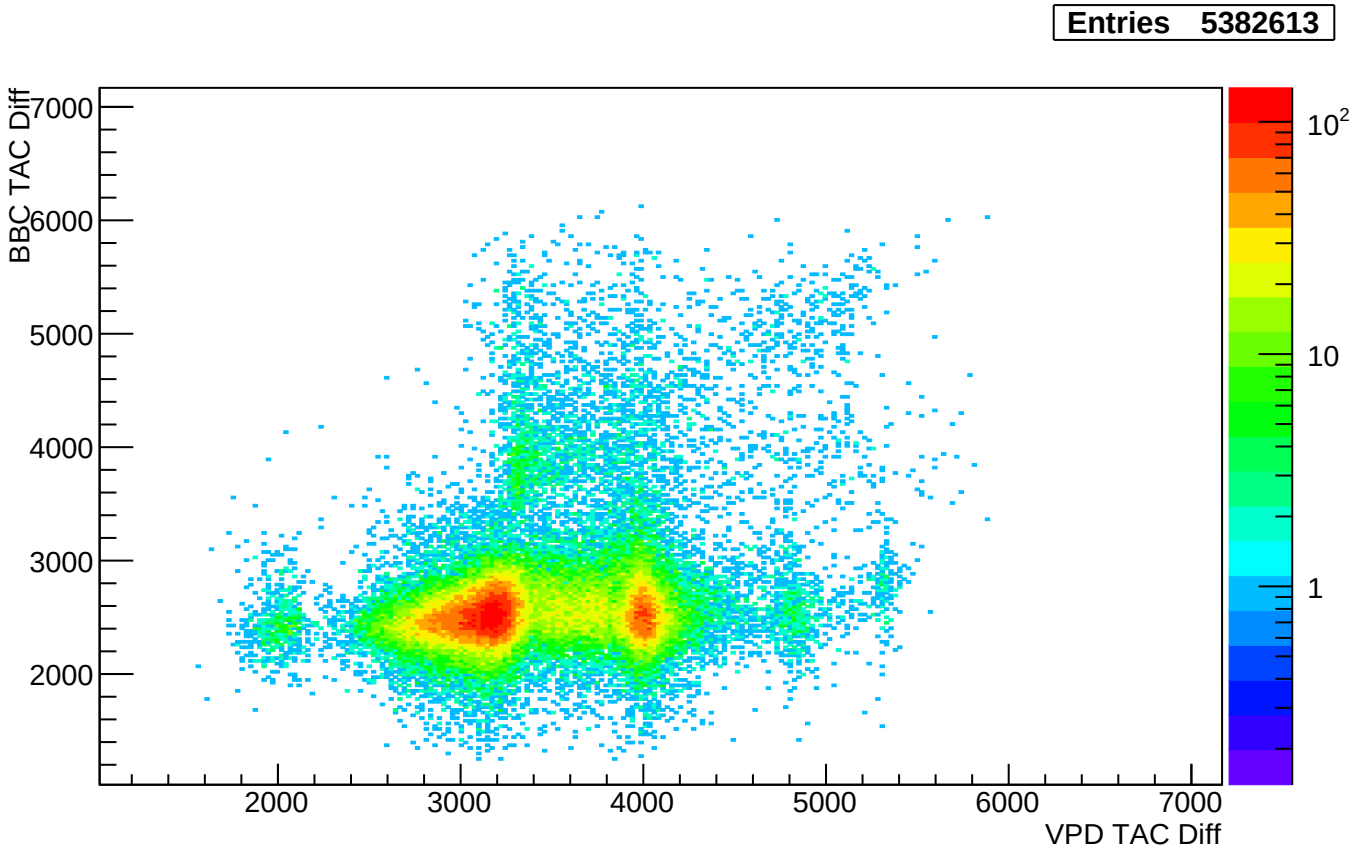

Entries 5382613
TOF Mult
EPD-East Hit Cnt

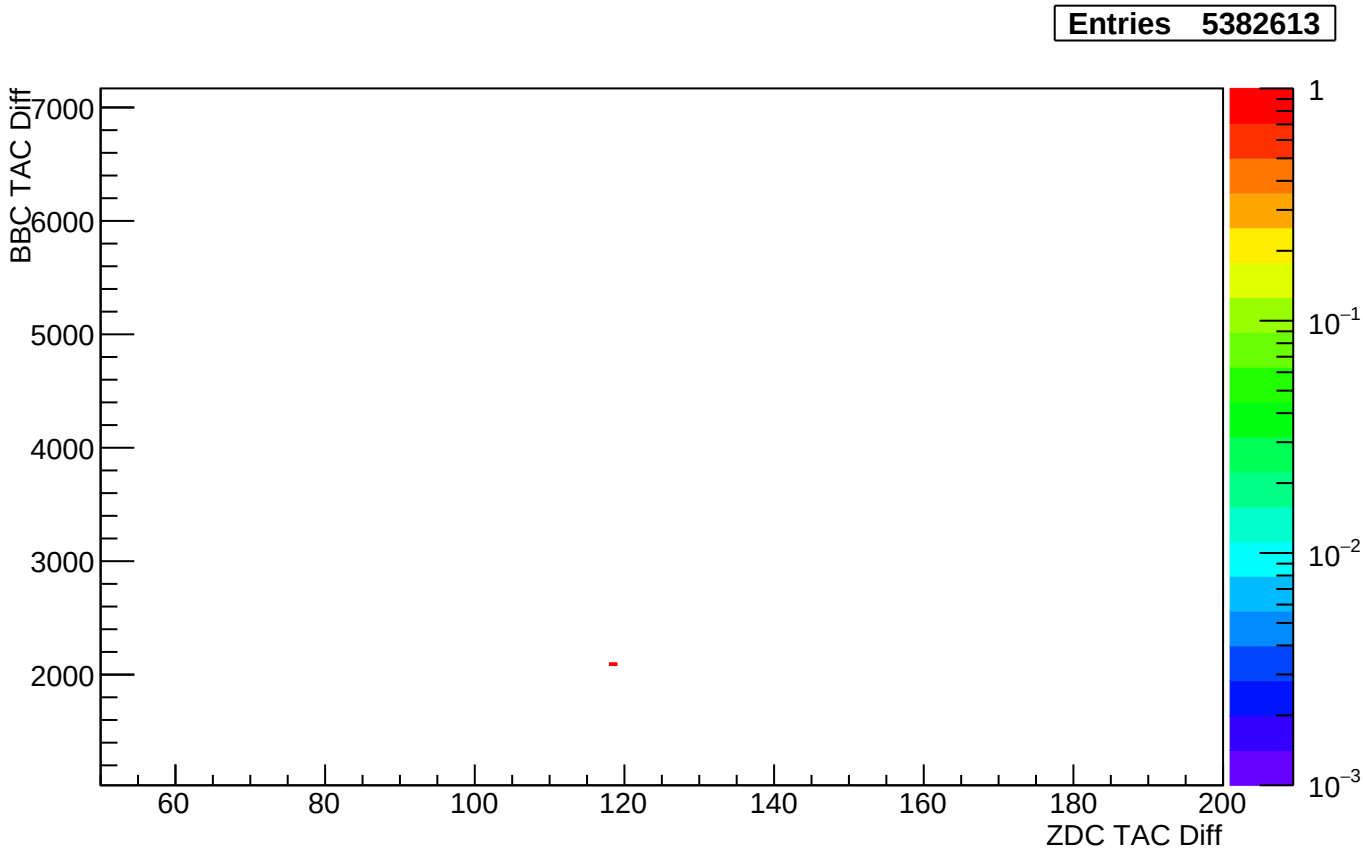

Entries 5382613
TOF Mult
EPD-West Hit Cnt

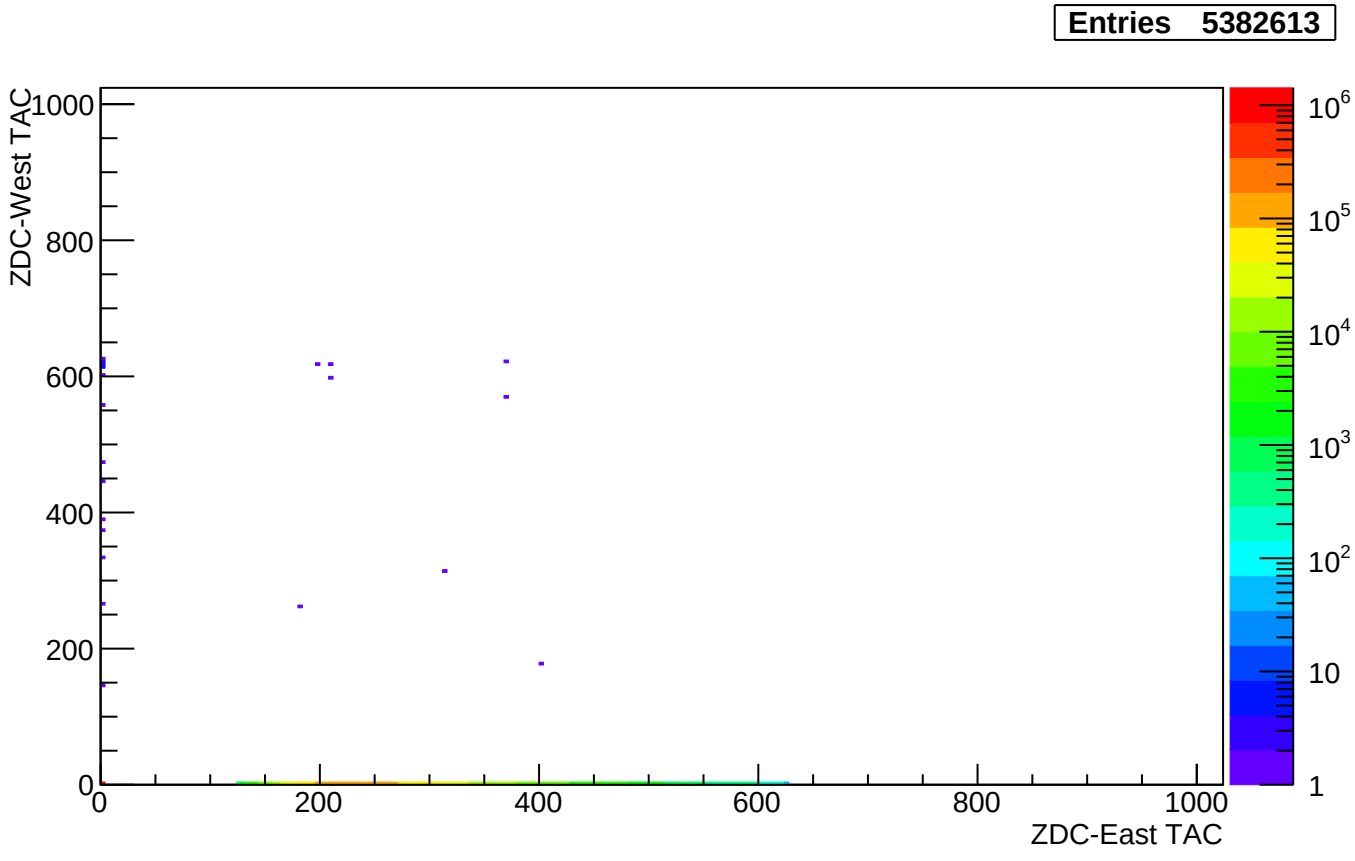

Entries 5382613
TOF Mult
VPD-East ADC Sum

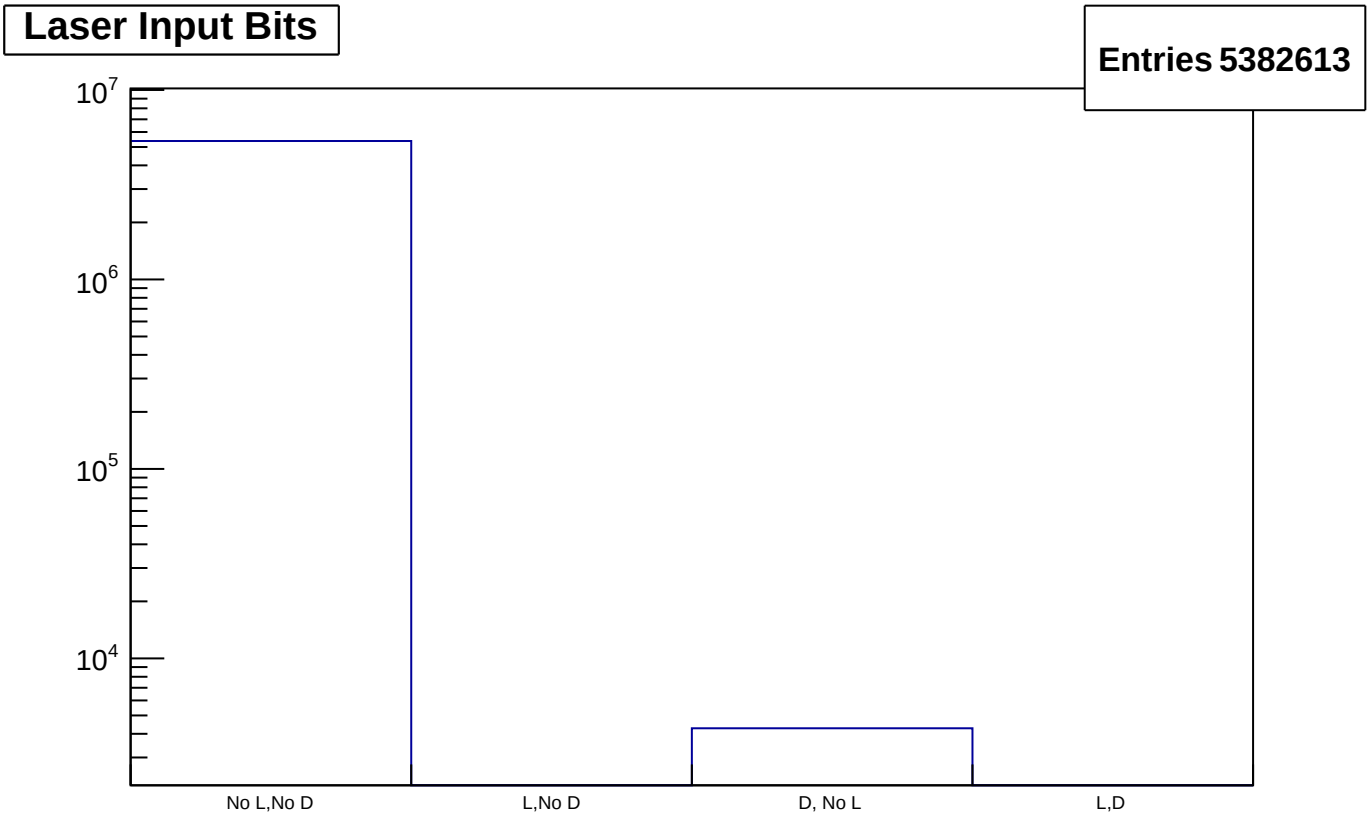

Entries 5382613
TOF Mult
VPD-West ADC Sum

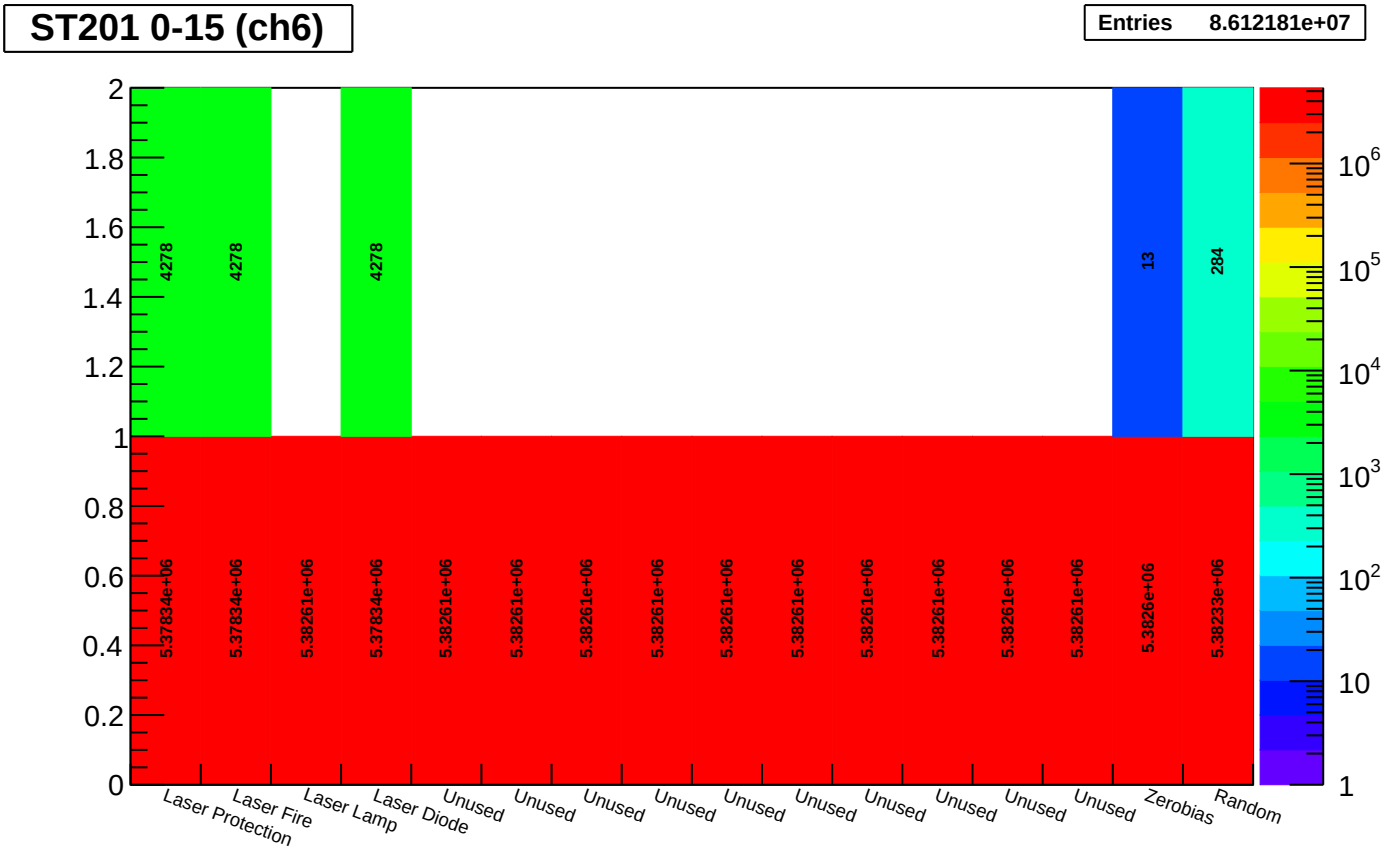

Entries 5382613
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1


Entries 5382613
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

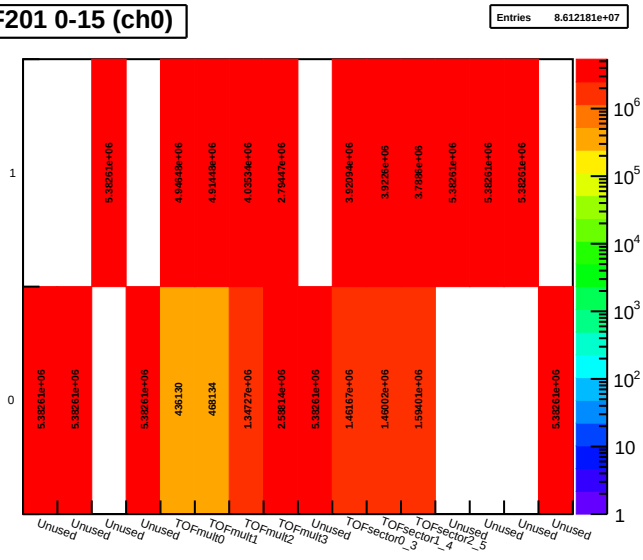

Entries 5382613
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}
10^{-3}


Entries 5382613
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

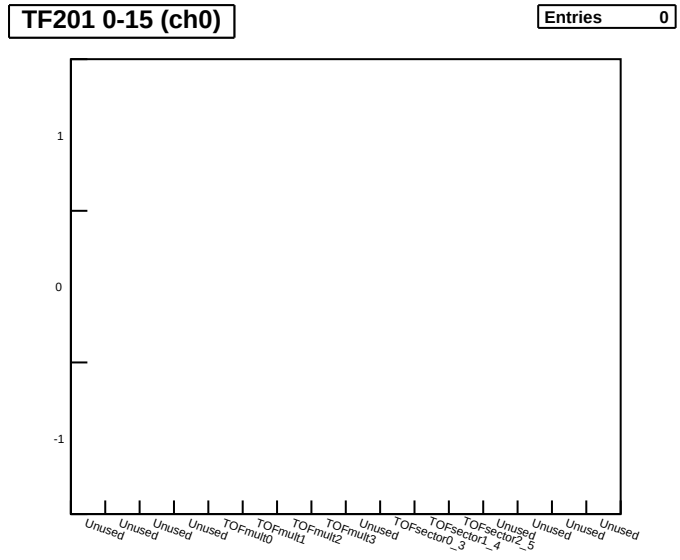

Laser Input Bits
Entries 5382613
10^7
10^6
10^5
10^4
No L,No D
L,No D
D, No L
L,D


ST201 0-15 (ch6)
Entries 8.612181e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
4278
4278
4278
13
284
5.37834e+06
5.37834e+06
5.38261e+06
5.37834e+06
5.38261e+06
5.38261e+06
5.38261e+06
5.38261e+06
5.38261e+06
5.38261e+06
5.38261e+06
5.38261e+06
5.38261e+06
5.38261e+06
5.3826e+06
5.38233e+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

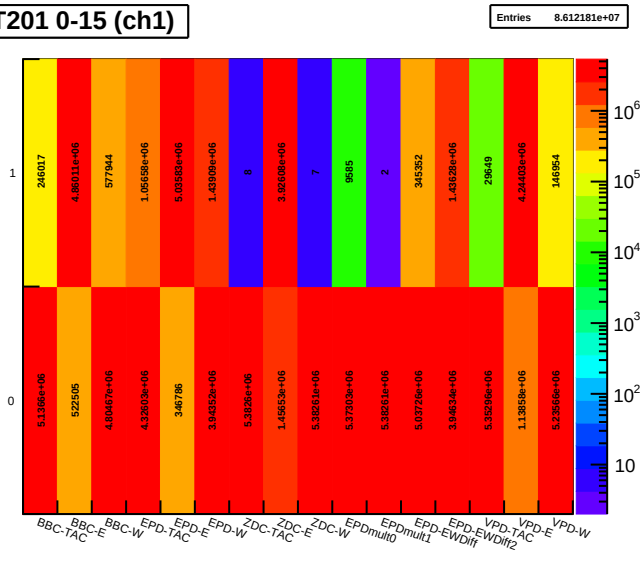
TF201 0-15 (ch0)



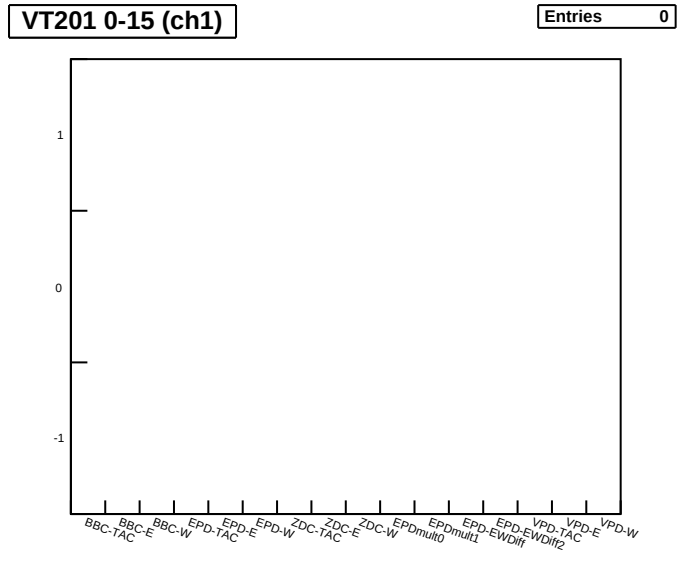
TF201 0-15 (ch0)



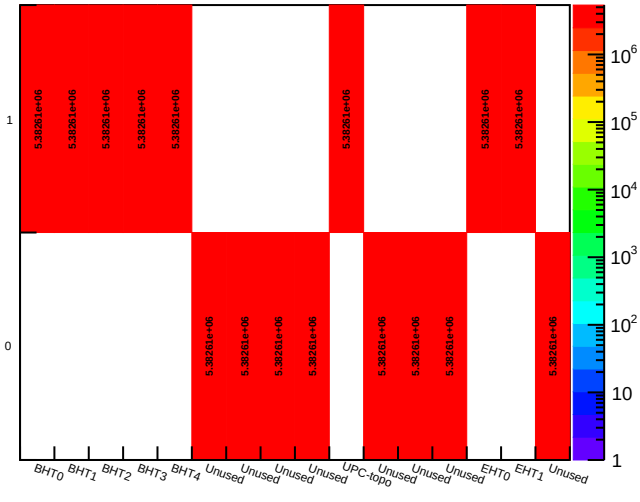
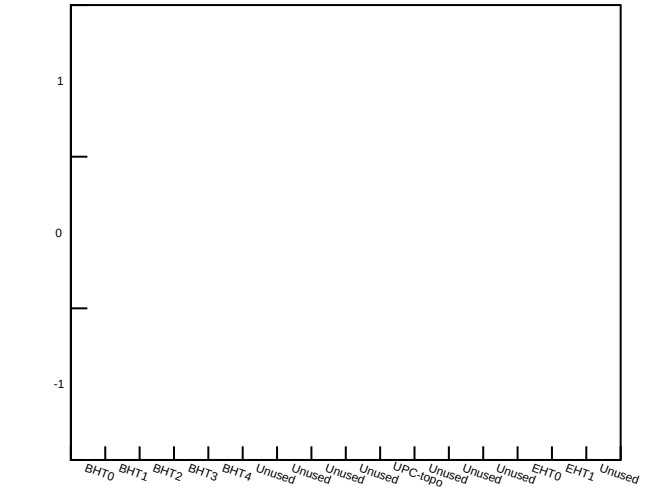
VT201 0-15 (ch1)



VT201 0-15 (ch1)



EM201 0-15 (ch3)



EM201 0-15 (ch3)