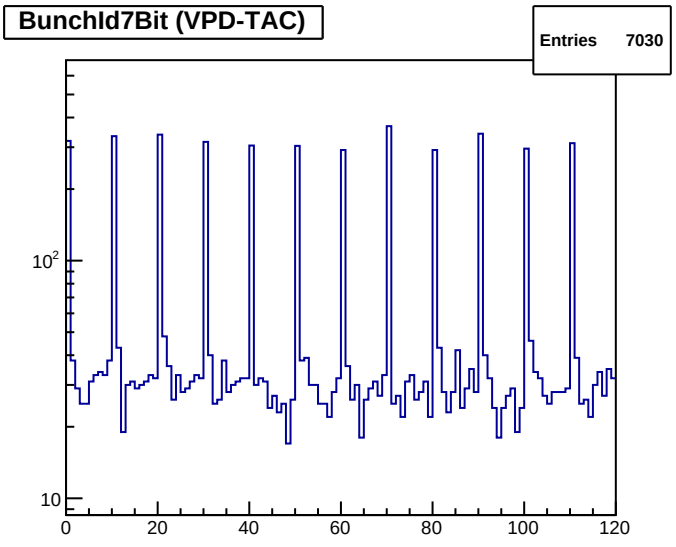
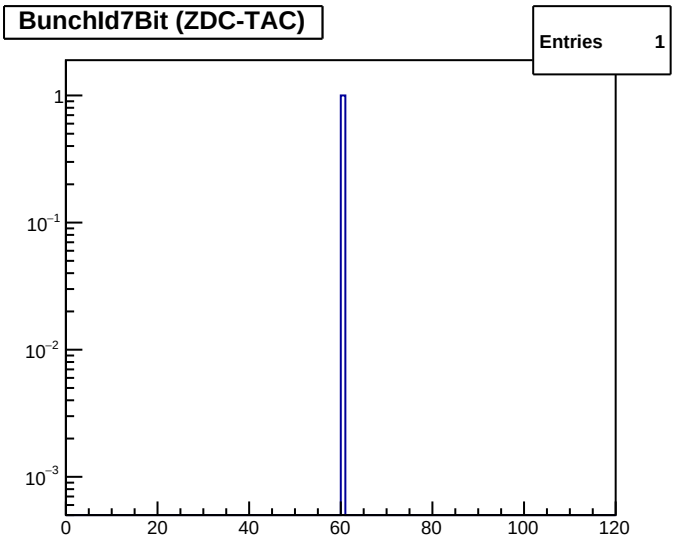
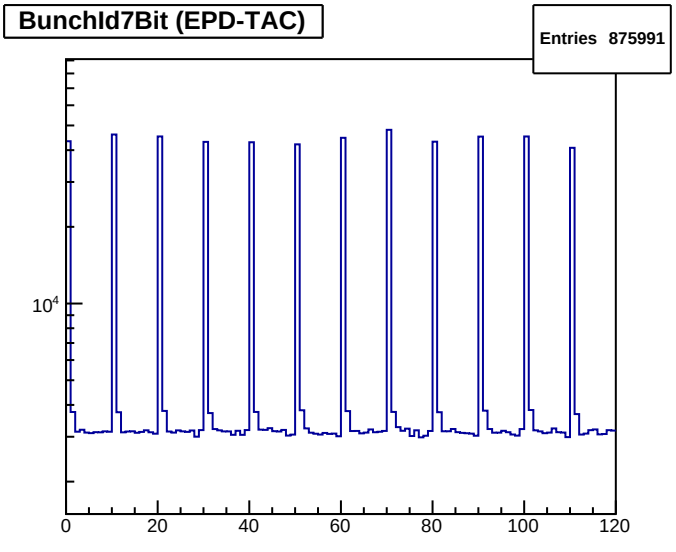
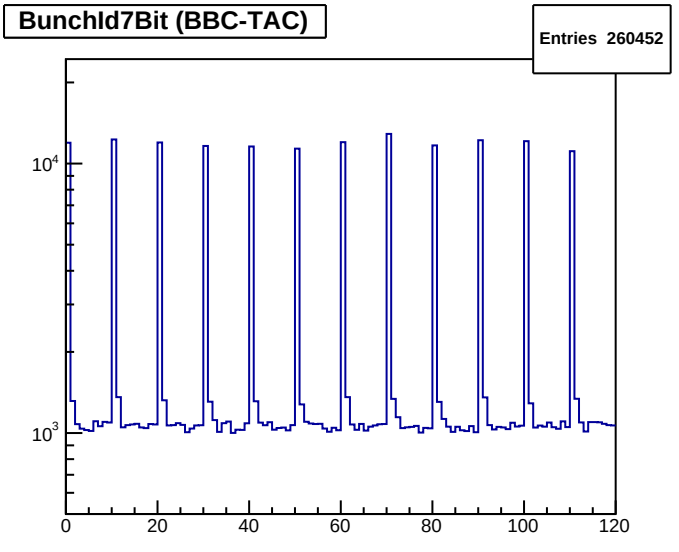
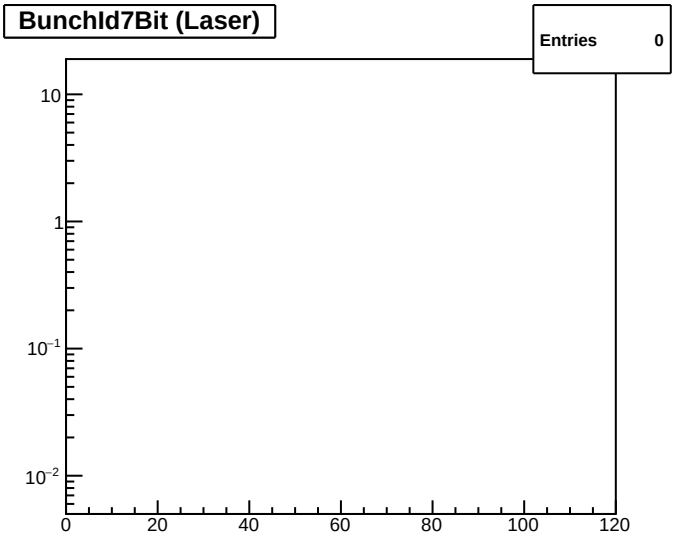
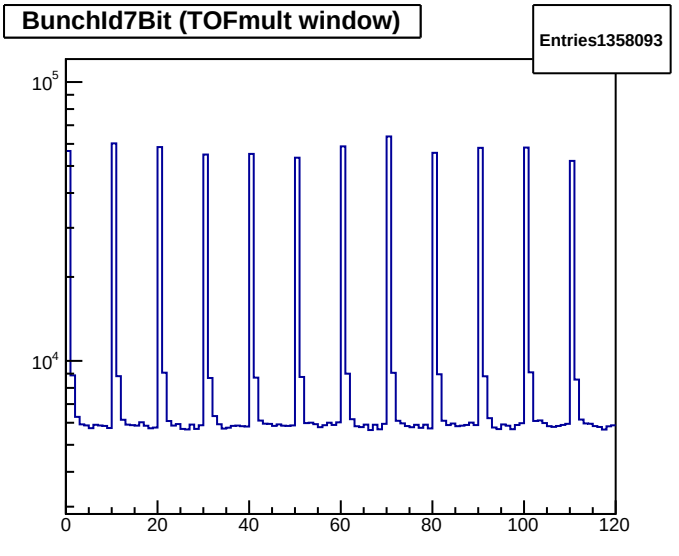

BunchId7Bit (VPD-TAC)
Entries 7030
10^2
10
0 20 40 60 80 100 120

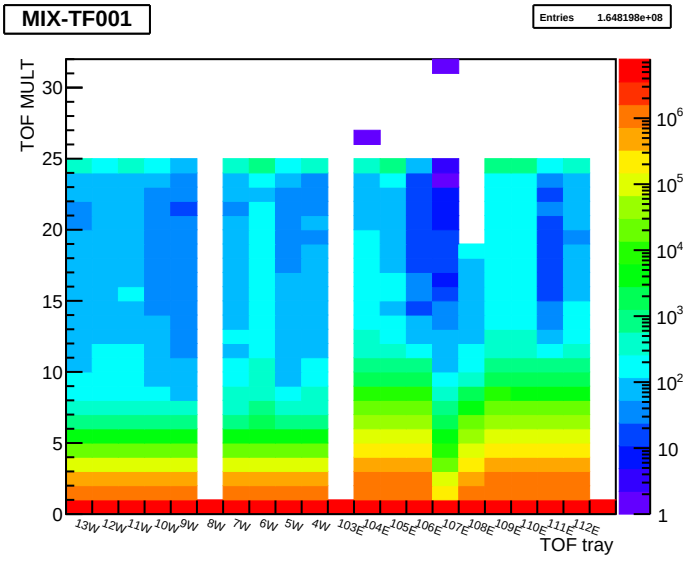

BunchId7Bit (ZDC-TAC)
Entries 1
1
10^{-1}
10^{-2}
10^{-3}
0 20 40 60 80 100 120

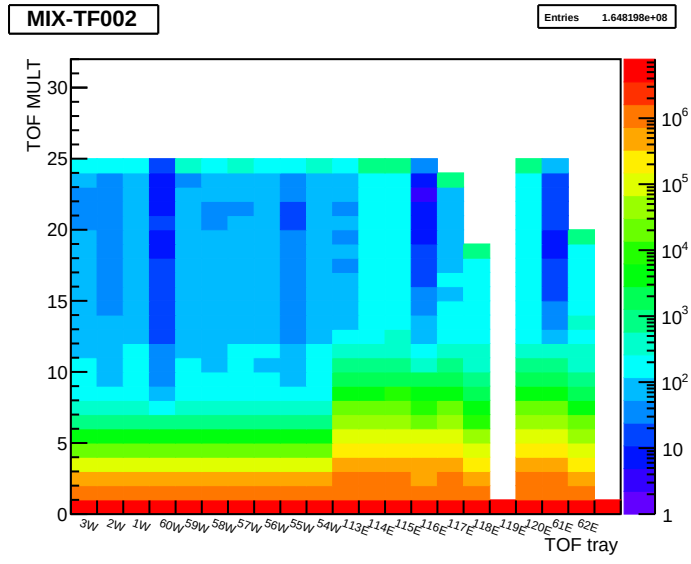

BunchId7Bit (EPD-TAC)
Entries 875991
10^4
0 20 40 60 80 100 120

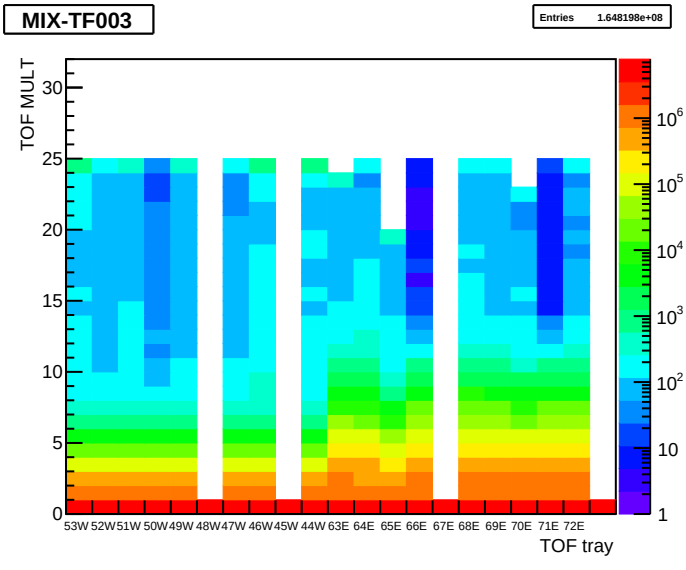

BunchId7Bit (BBC-TAC)
Entries 260452
10^4
10^3
0 20 40 60 80 100 120

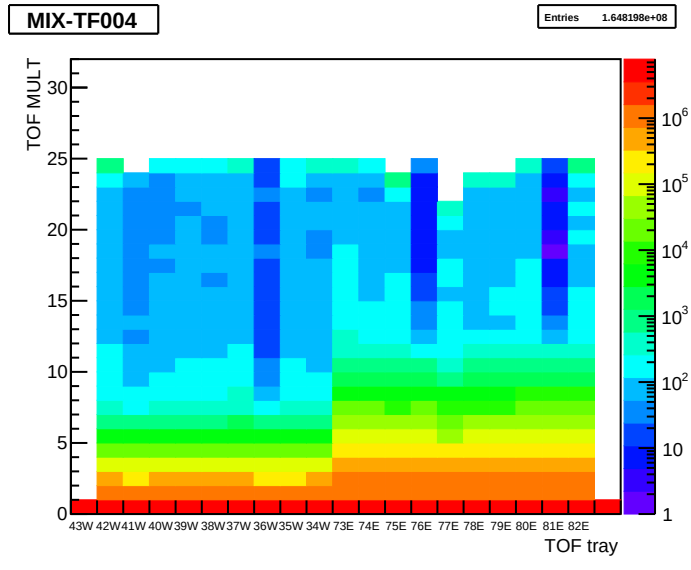

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

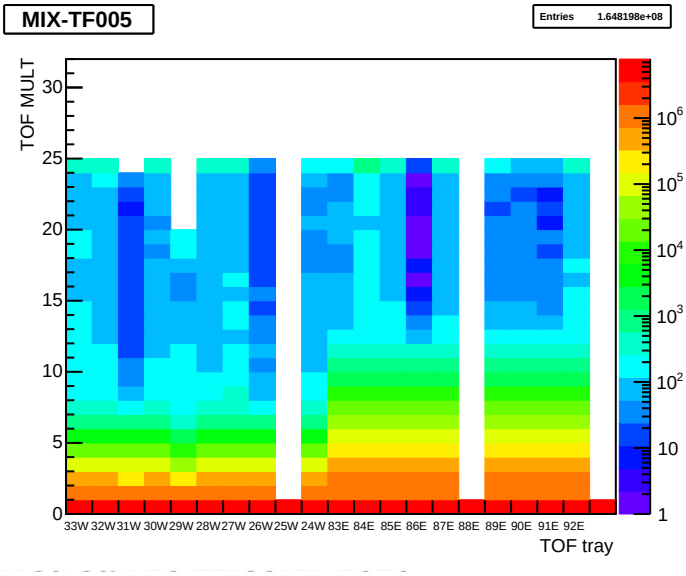

BunchId7Bit (TOFmult window)
Entries1358093
10^5
10^4
0 20 40 60 80 100 120

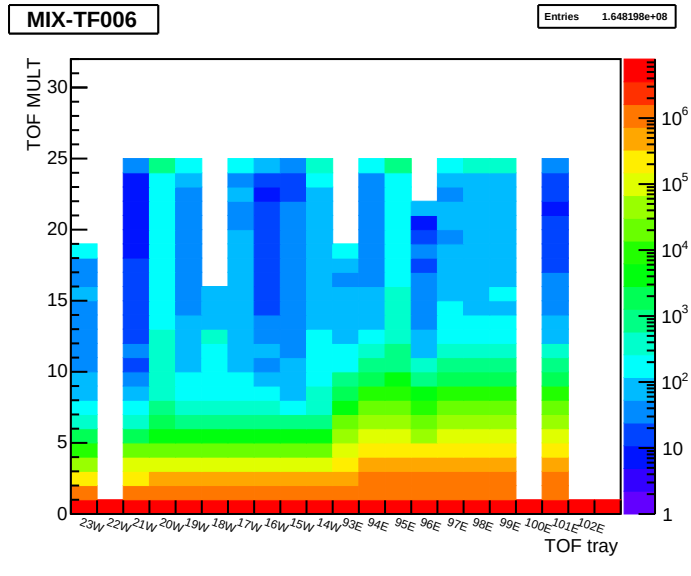

MIX-TF001
Entries 1.648198e+08
TOF MULT
TOF tray

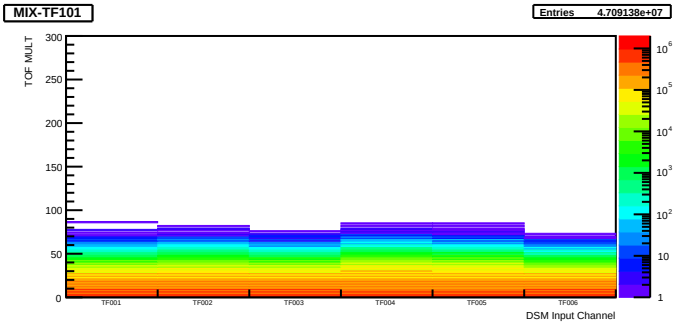

MIX-TF002
Entries 1.648198e+08
TOF MULT
TOF tray

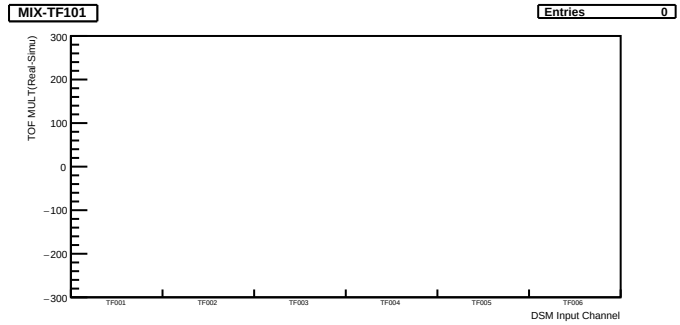

MIX-TF003
Entries 1.648198e+08
TOF MULT
TOF tray

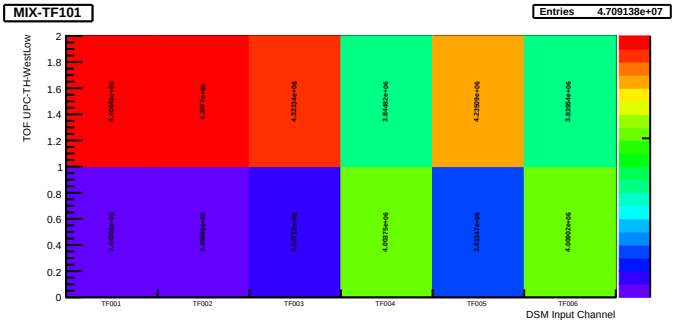

MIX-TF004
Entries 1.648198e+08
TOF MULT
TOF tray

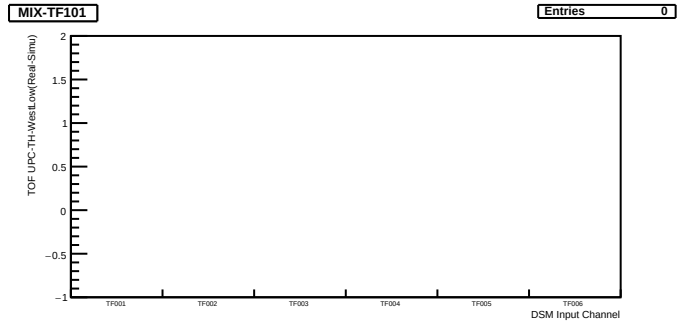

MIX-TF005
Entries 1.648198e+08
TOF MULT
TOF tray

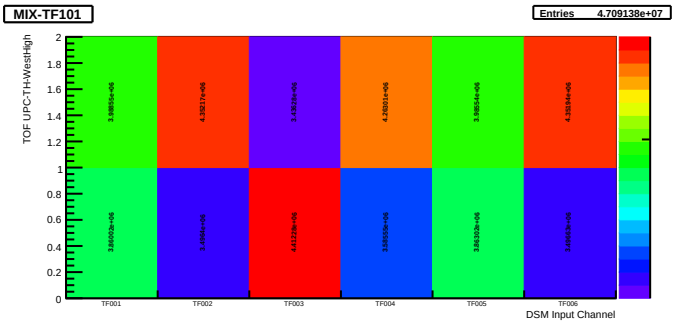

MIX-TF006
Entries 1.648198e+08
TOF MULT
TOF tray

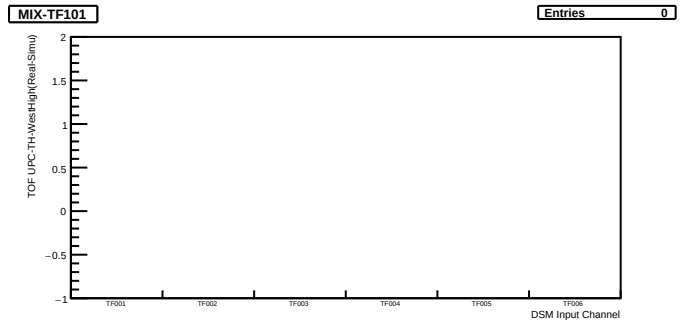

MIX-TF101
Entries 4.709138e+07
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

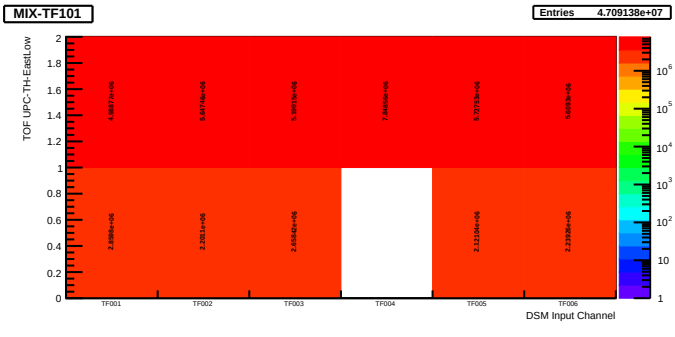

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

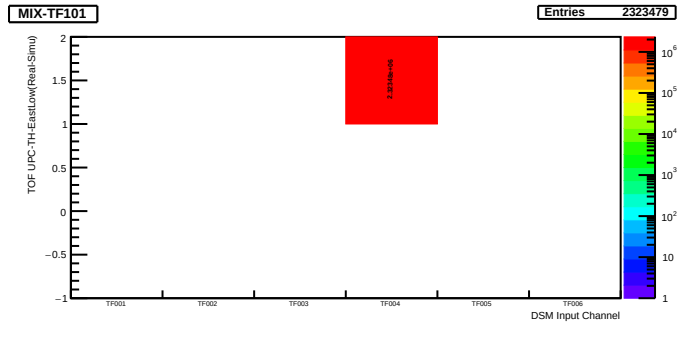

MIX-TF101
Entries 4.709138e+07
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

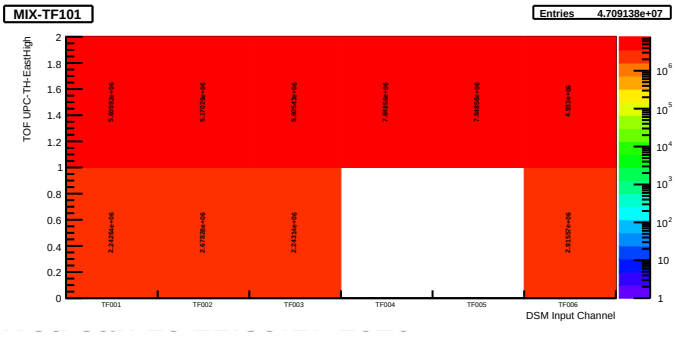

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

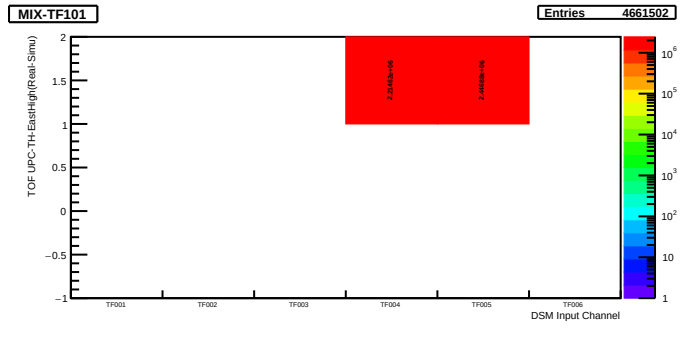

MIX-TF101
Entries 4.709138e+07
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

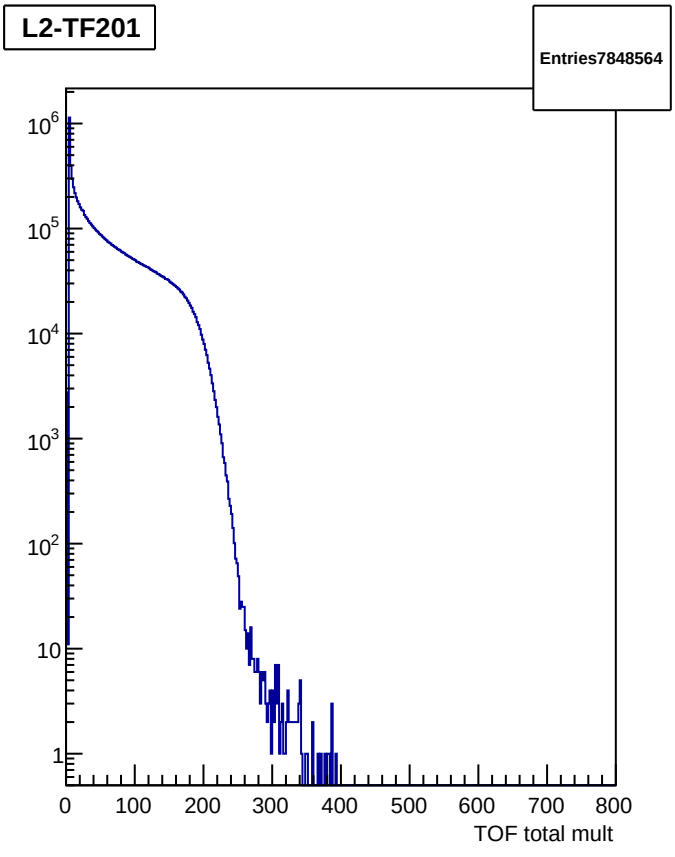

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

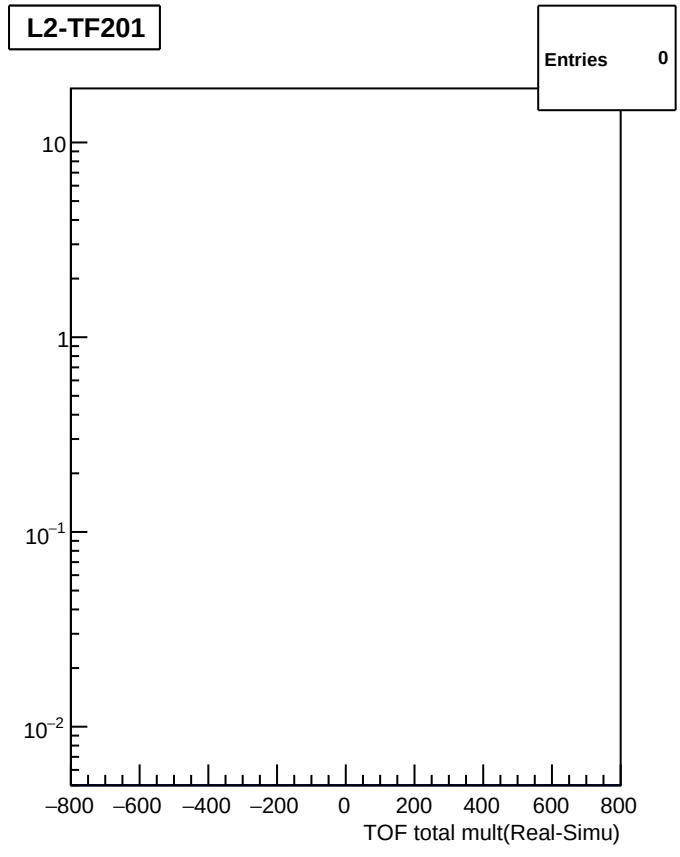

MIX-TF101
Entries 4.709138e+07
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

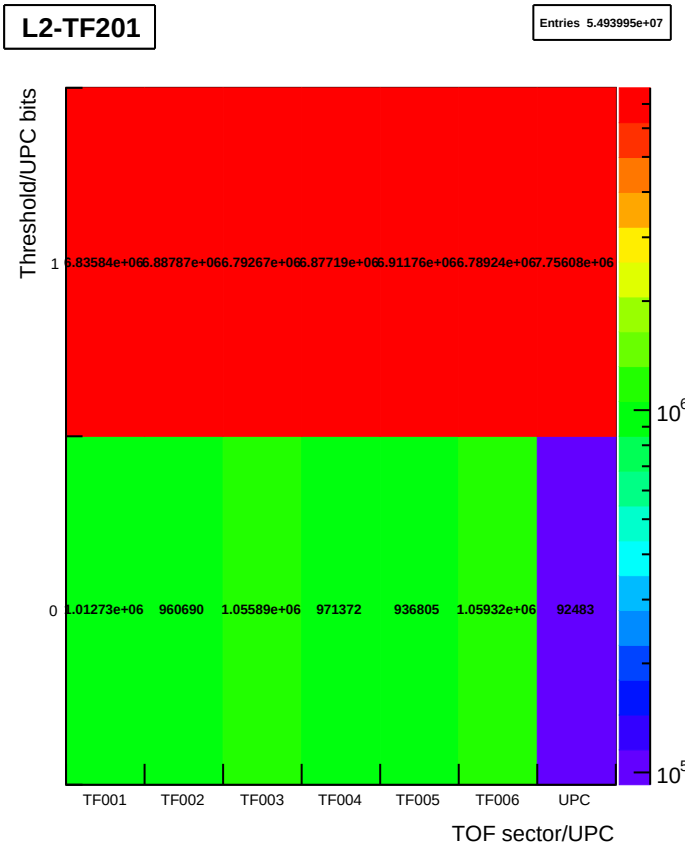

MIX-TF101
Entries 2323479
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

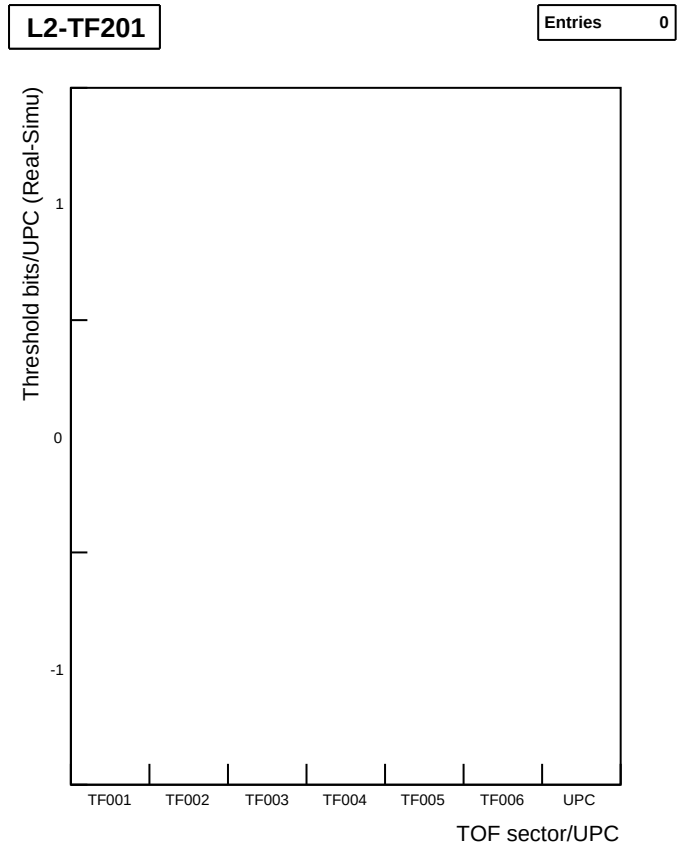

MIX-TF101
Entries 4.709138e+07
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

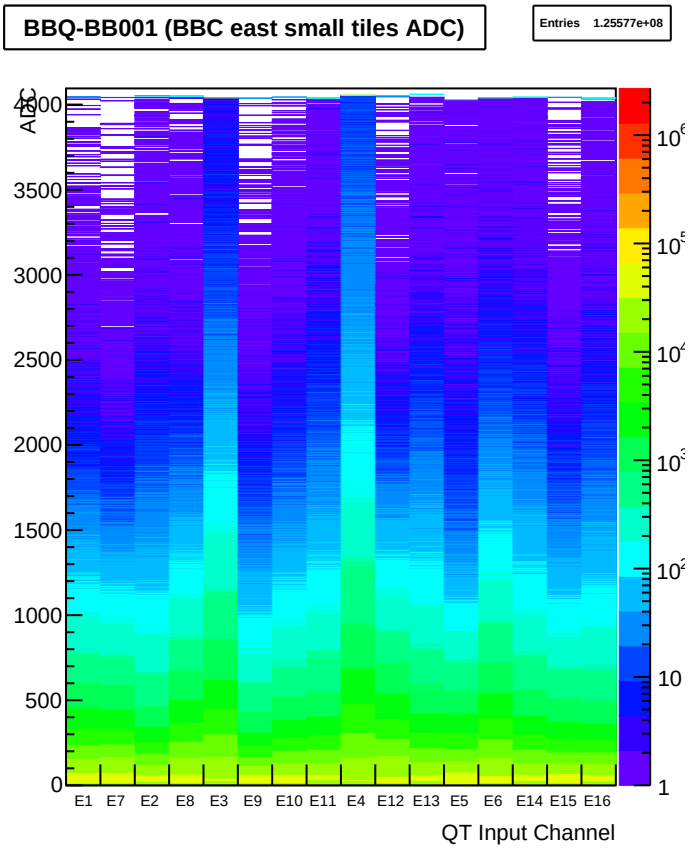

MIX-TF101
Entries 4661502
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

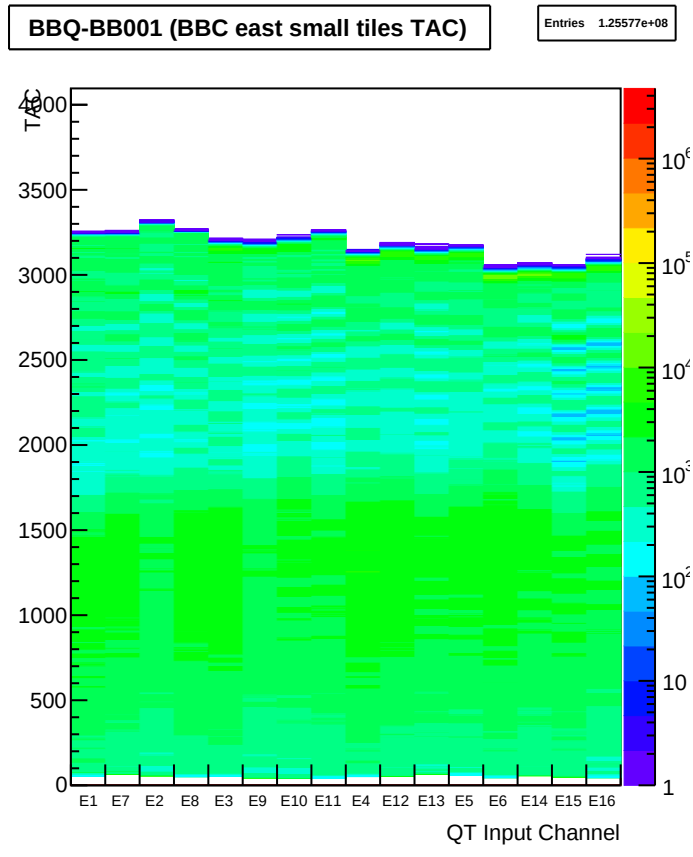

L2-TF201
Entries7848564
TOF total mult

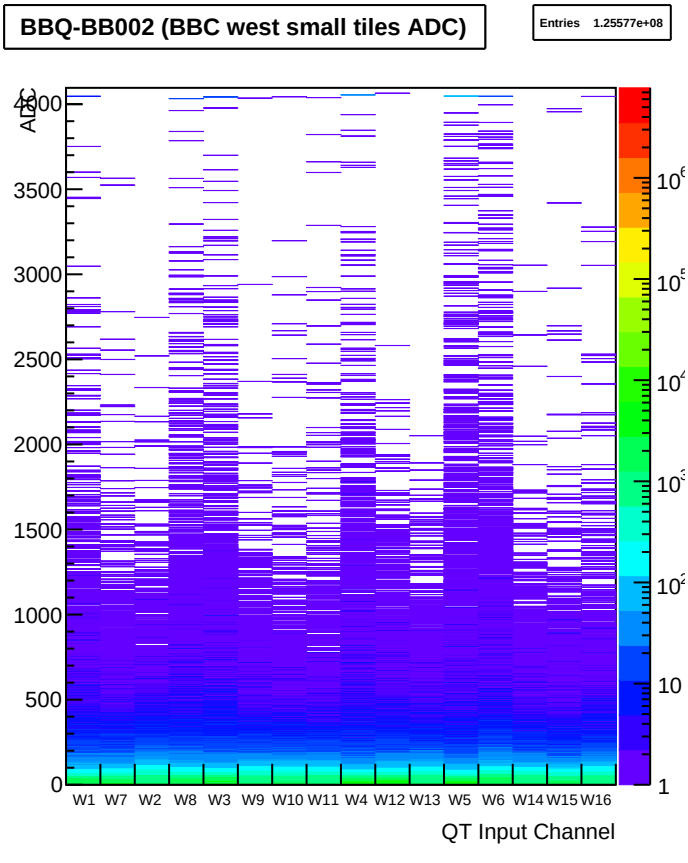

L2-TF201
Entries 0
TOF total mult(Real-Simu)

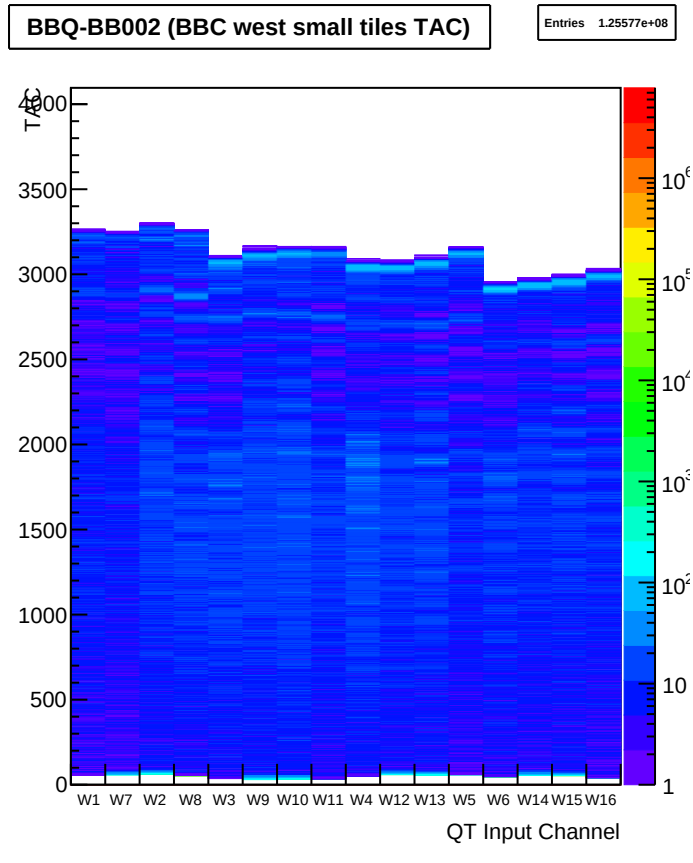

L2-TF201
Entries 5.493995e+07
Threshold/UPC bits
6.83584e+06 6.88787e+06 6.79267e+06 6.87719e+06 6.91176e+06 6.78924e+06 7.75608e+06
1.01273e+06 960690 1.05589e+06 971372 936805 1.05932e+06 92483
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

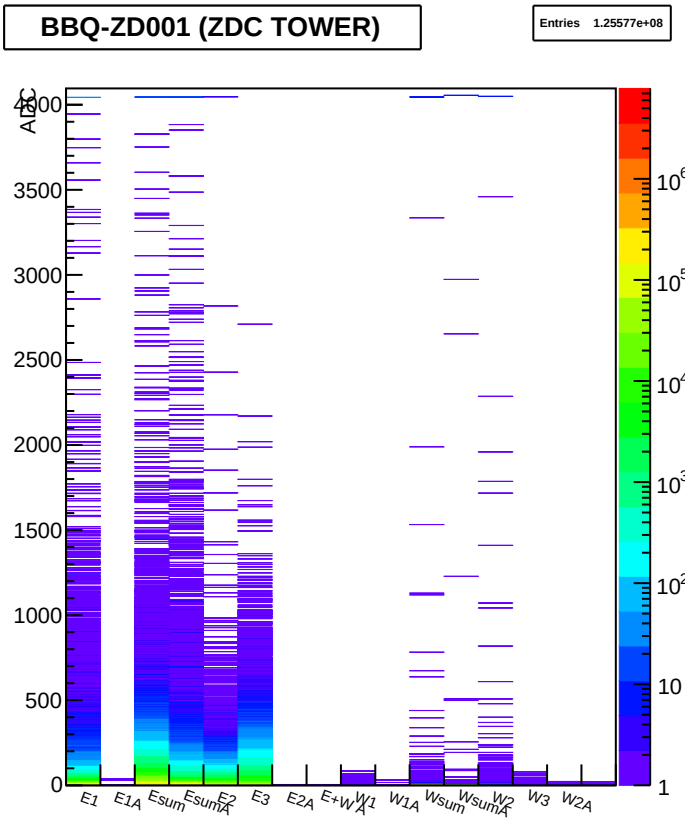

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

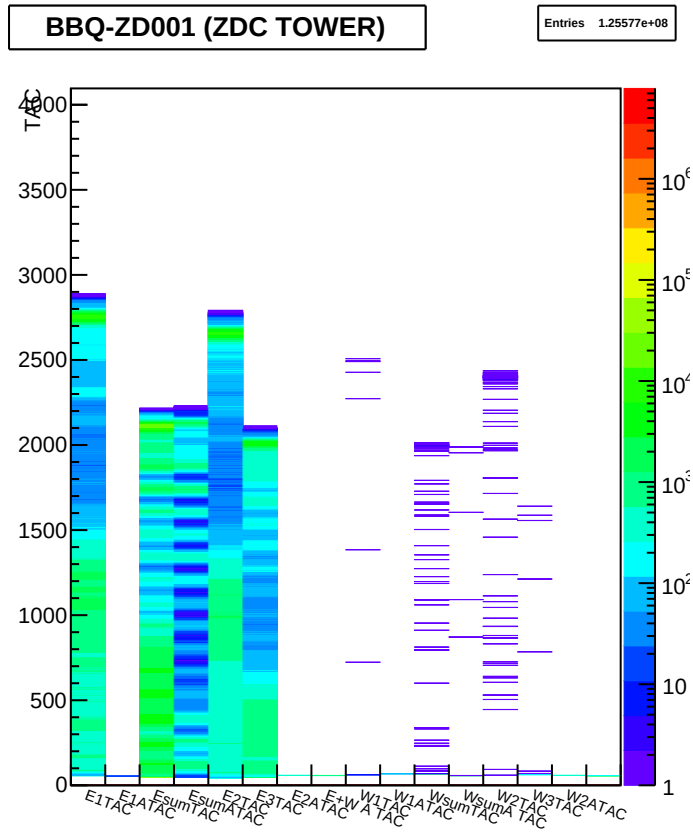

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.25577e+08
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

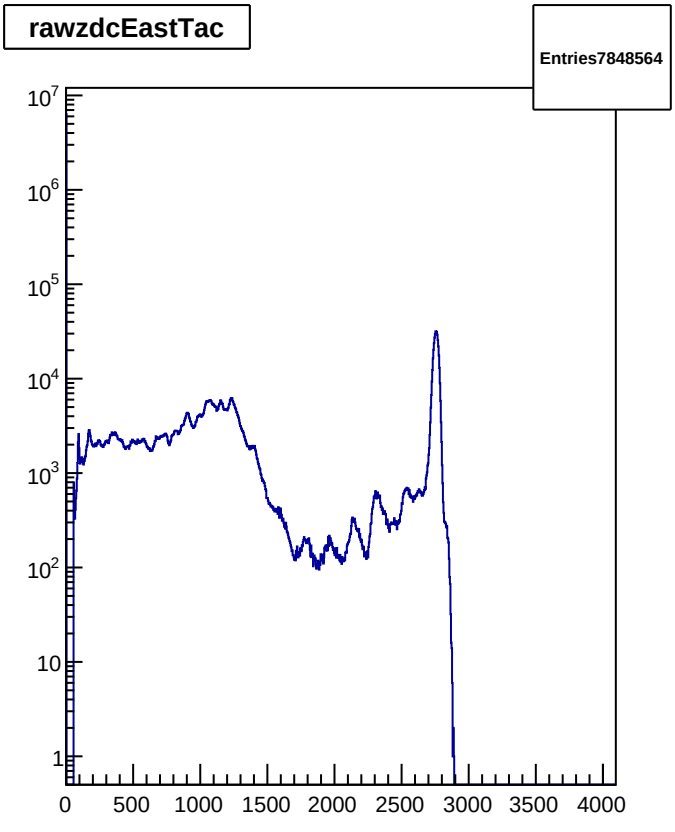

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.25577e+08
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

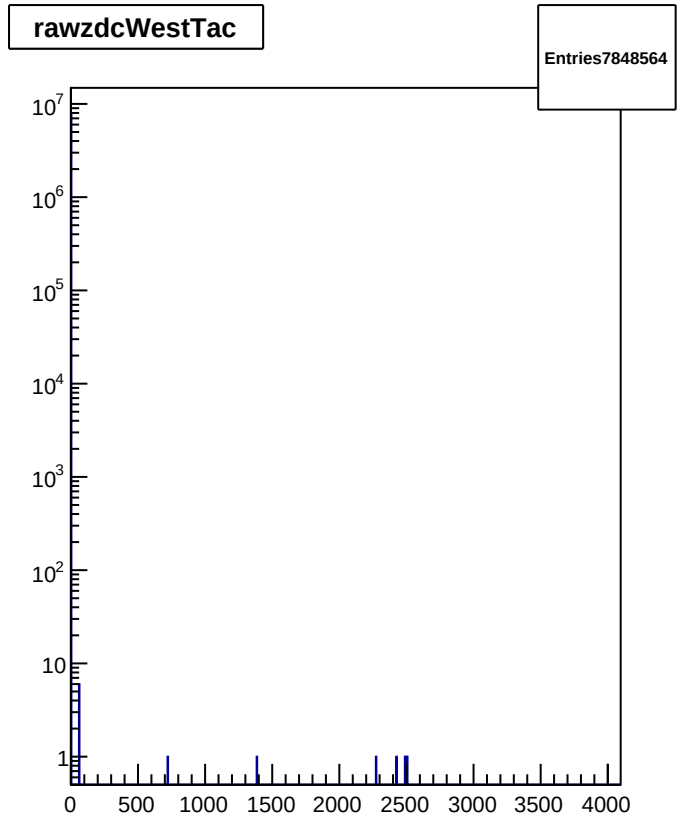

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.25577e+08
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

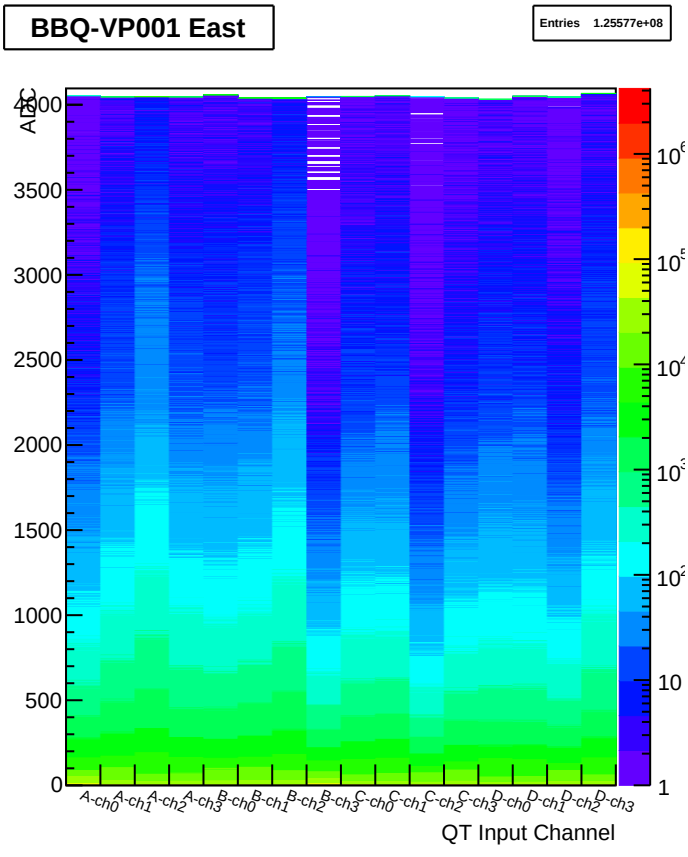

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.25577e+08
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

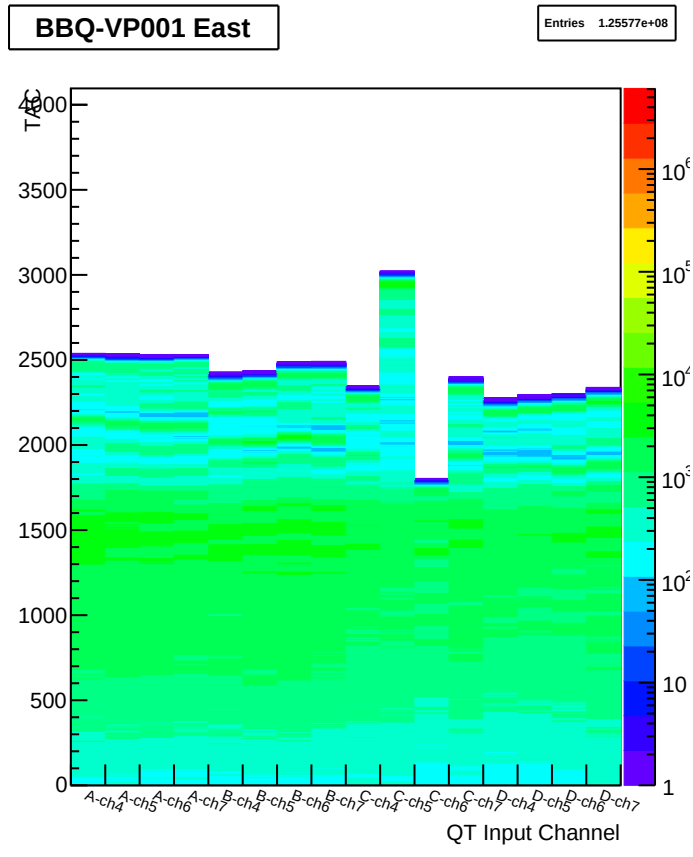

BBQ-ZD001 (ZDC TOWER)
Entries 1.25577e+08
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

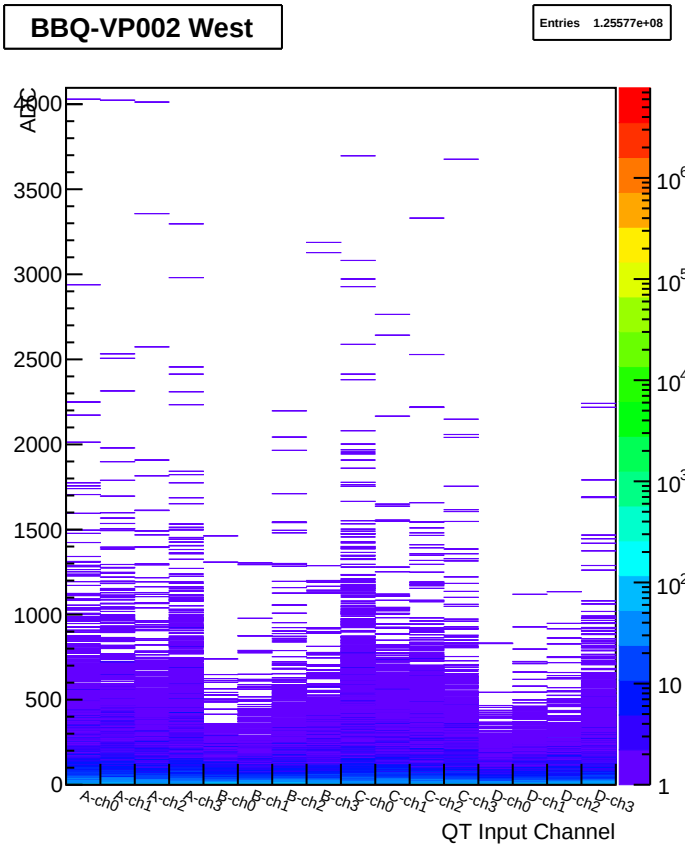

BBQ-ZD001 (ZDC TOWER)
Entries 1.25577e+08
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumATAC
W2TAC
W3TAC
W2ATAC

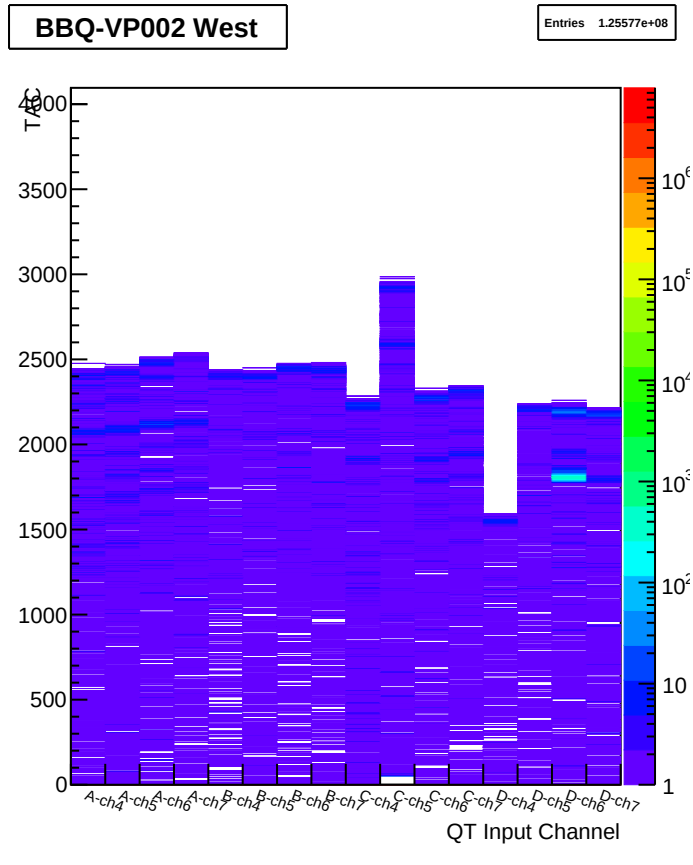

rawzdcEastTac
Entries7848564

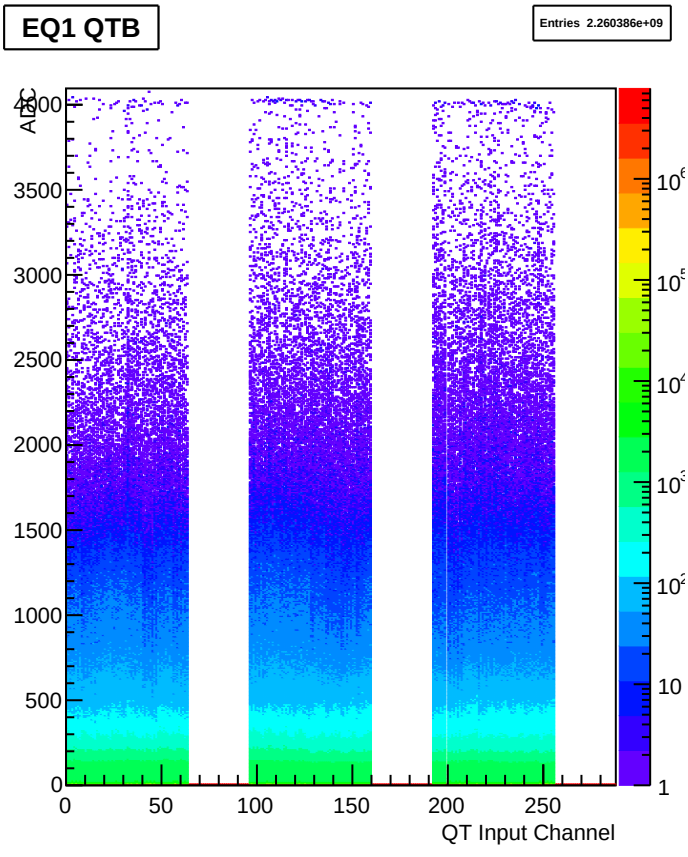

rawzdcWestTac
Entries7848564

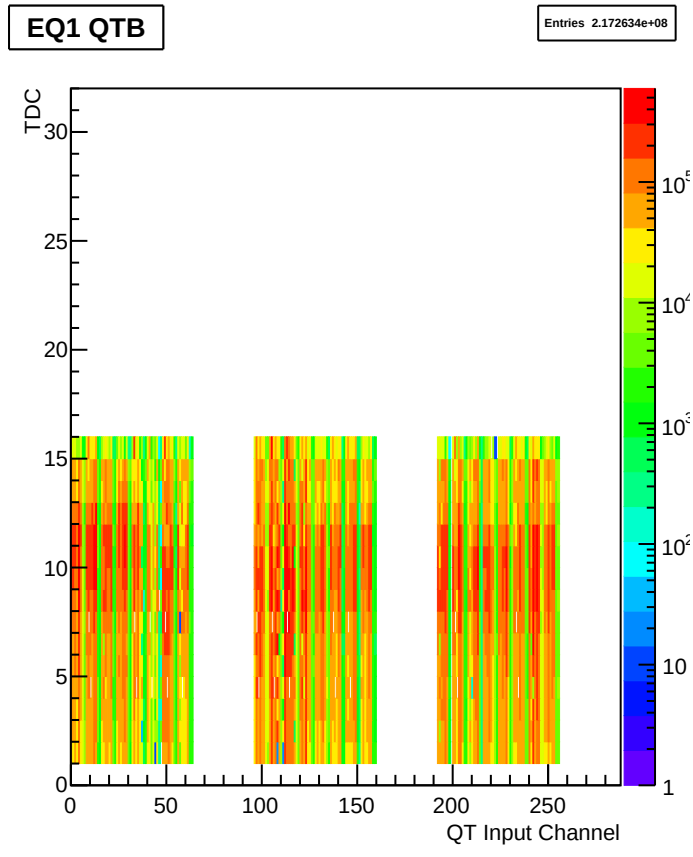

BBQ-VP001 East
Entries 1.25577e+08
ADC
QT Input Channel

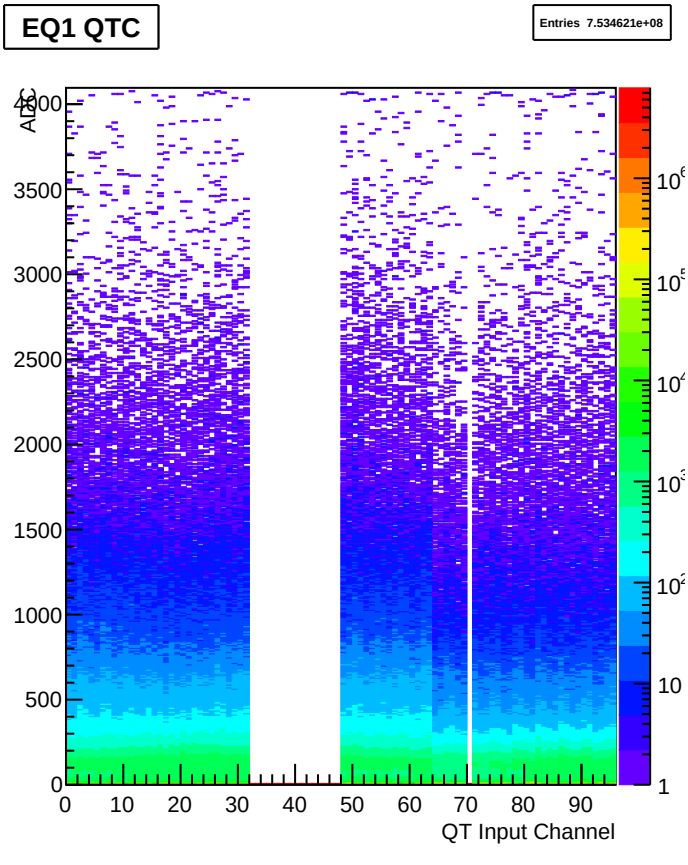

BBQ-VP001 East
Entries 1.25577e+08
ADC
QT Input Channel

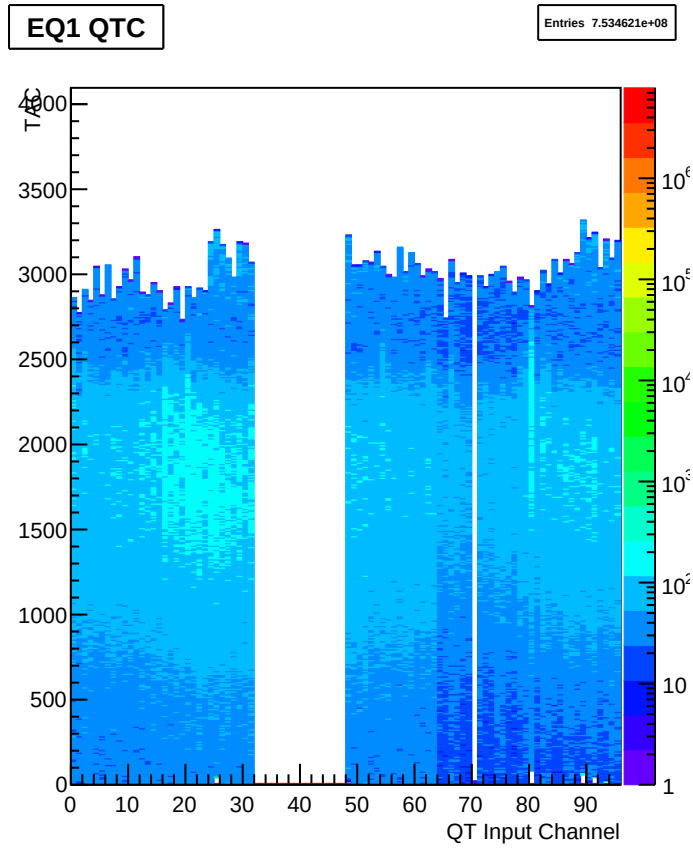

BBQ-VP002 West
Entries 1.25577e+08
ADC
QT Input Channel

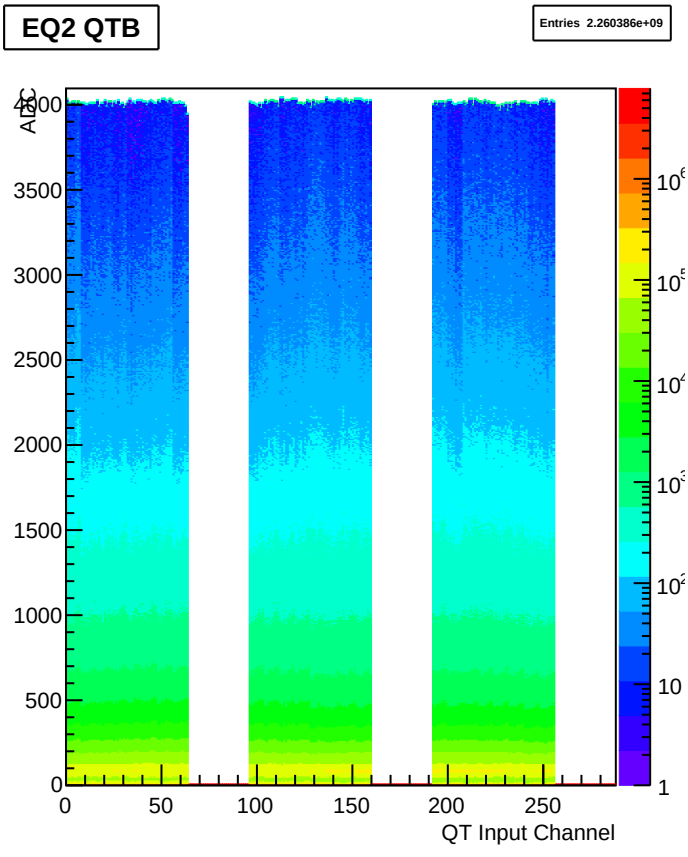

BBQ-VP002 West
Entries 1.25577e+08
ADC
QT Input Channel

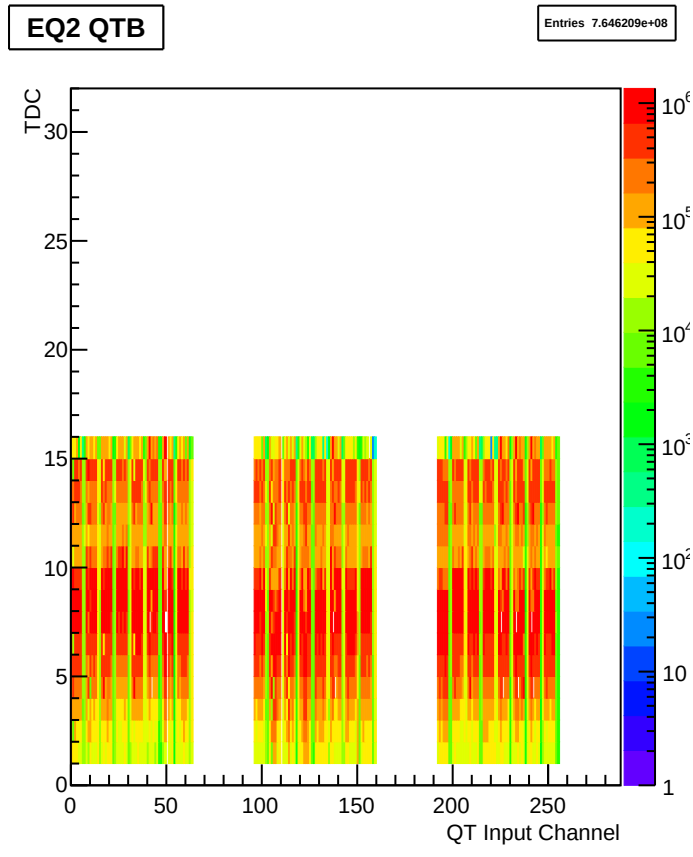

EQ1 QTB
Entries 2.260386e+09
ADC
QT Input Channel

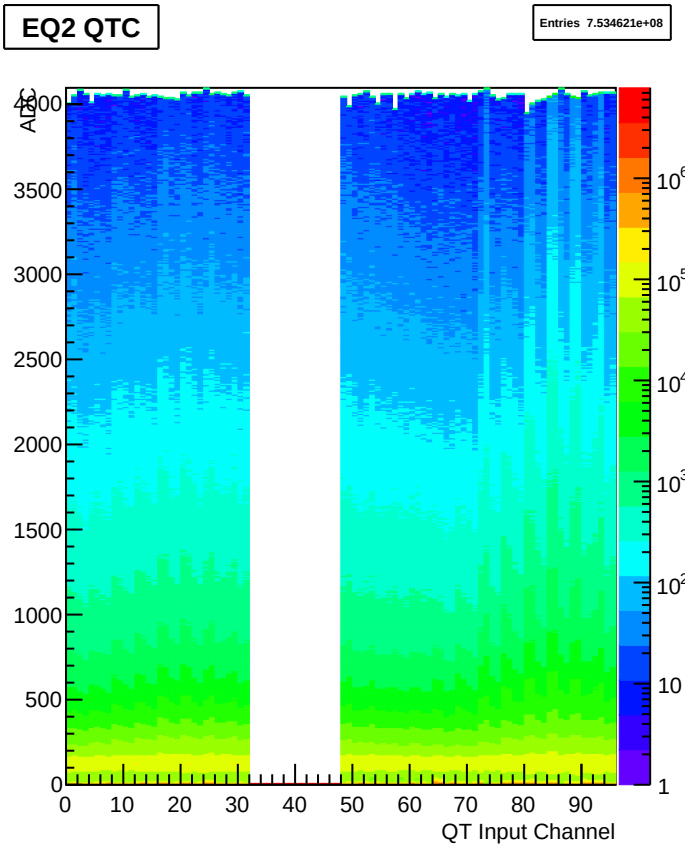

EQ1 QTB
Entries 2.172634e+08
TDC
QT Input Channel

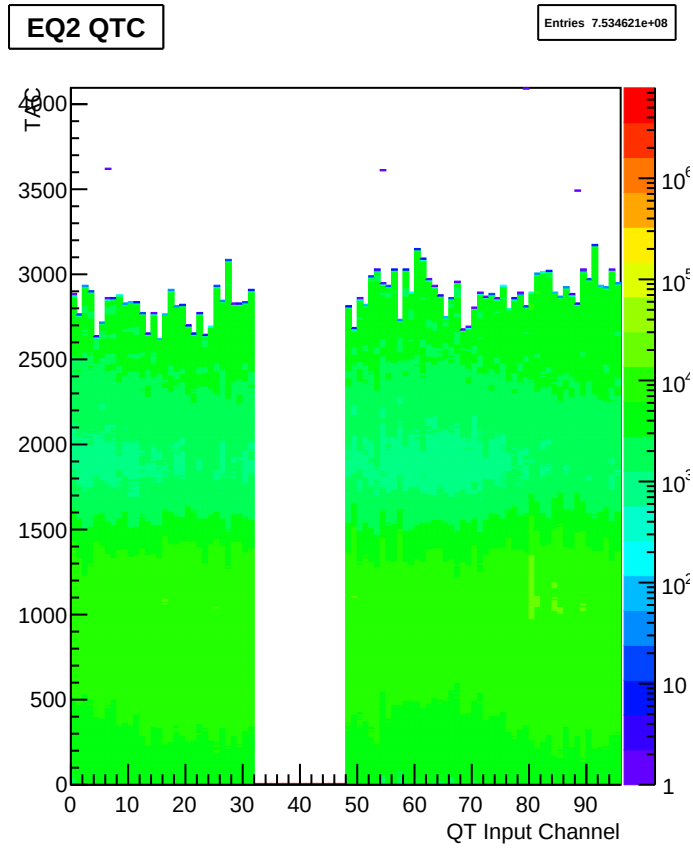

EQ1 QTC
Entries 7.534621e+08
ADC
QT Input Channel

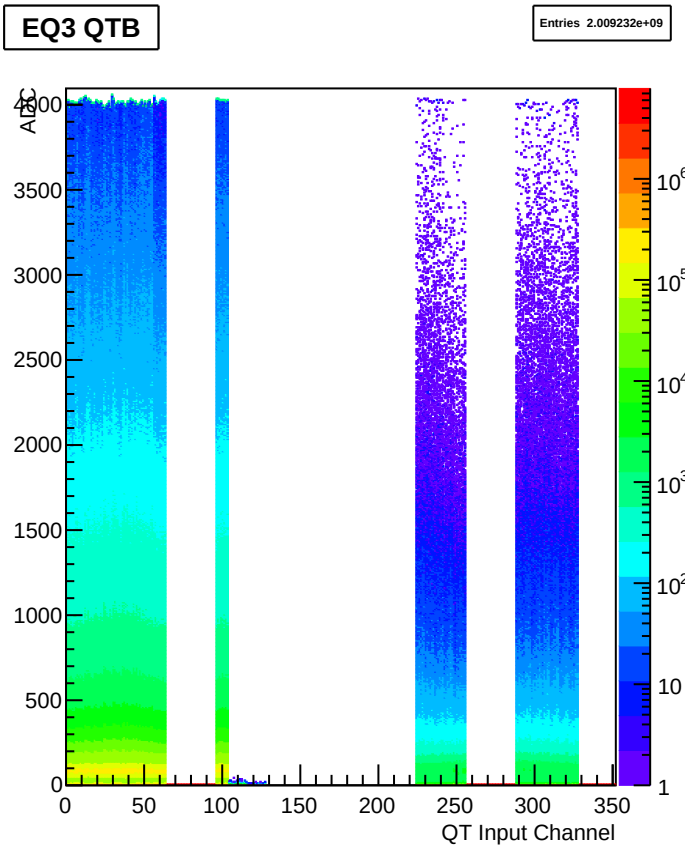

EQ1 QTC
Entries 7.534621e+08
TADC
QT Input Channel

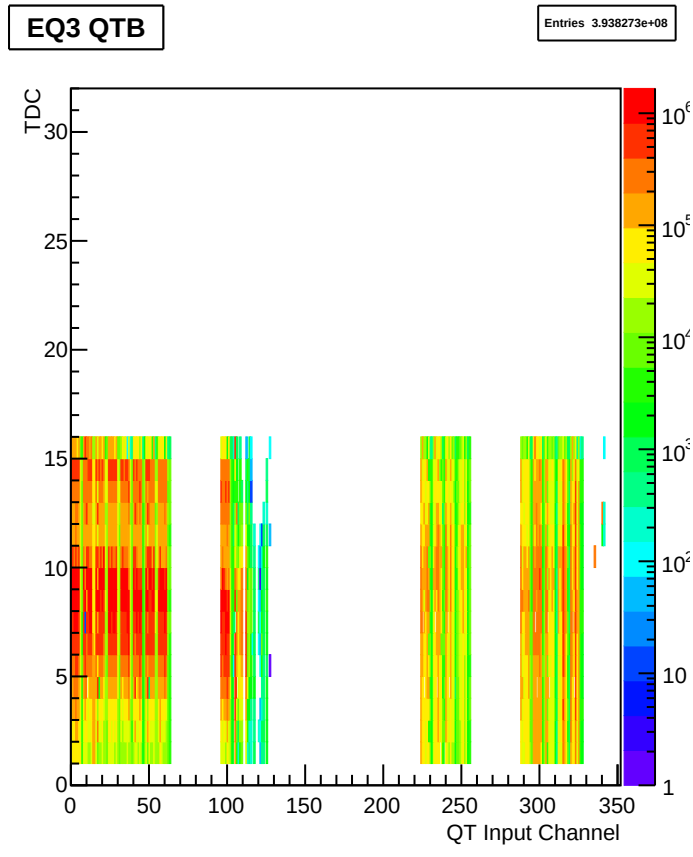

EQ2 QTB
Entries 2.260386e+09
ADC
QT Input Channel

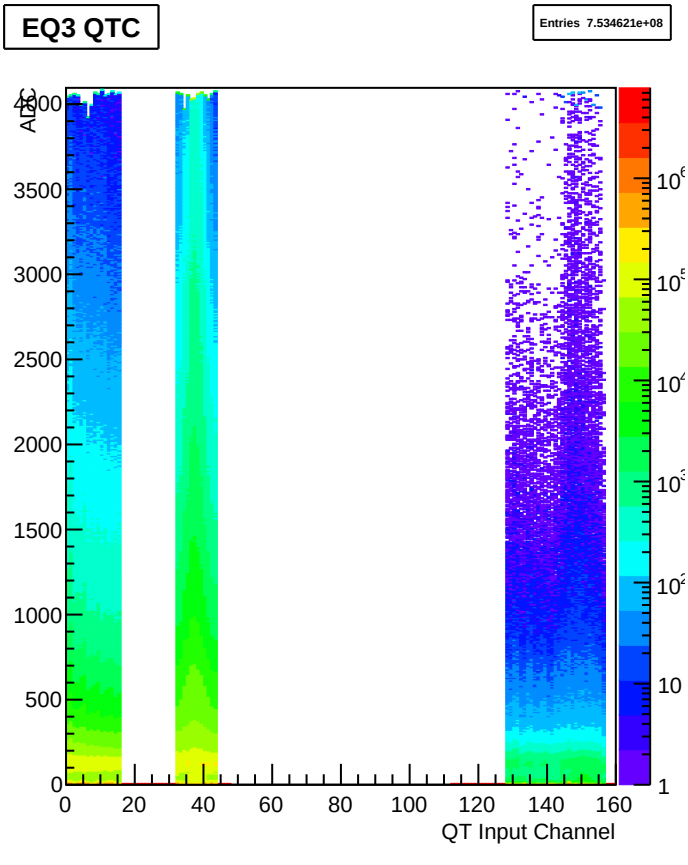

EQ2 QTB
Entries 7.646209e+08
TDC
QT Input Channel

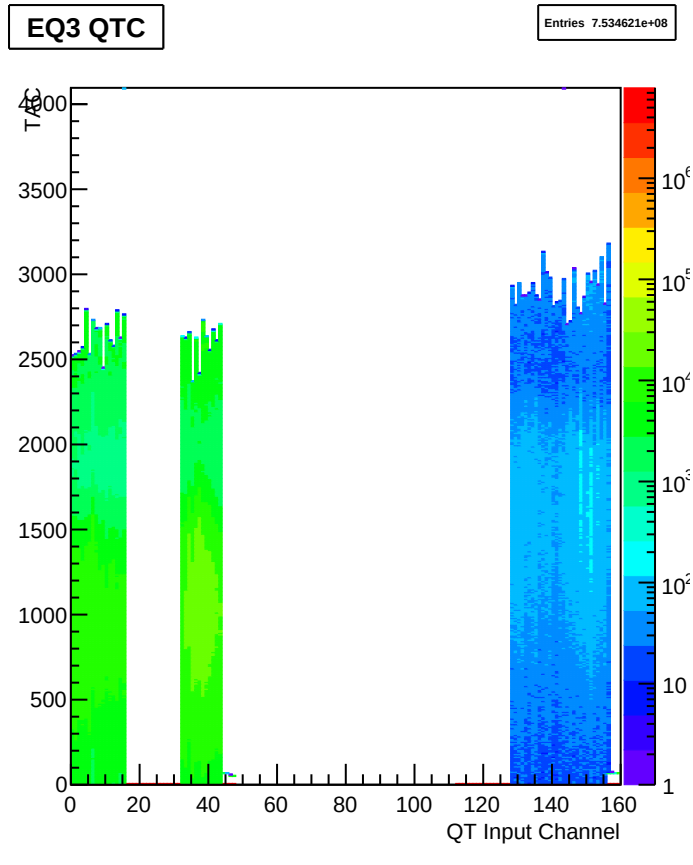

EQ2 QTC
Entries 7.534621e+08
ADC
QT Input Channel

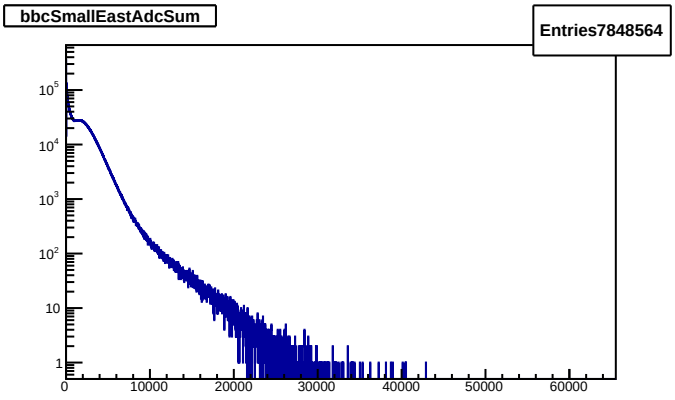

EQ2 QTC
Entries 7.534621e+08
TADC
QT Input Channel

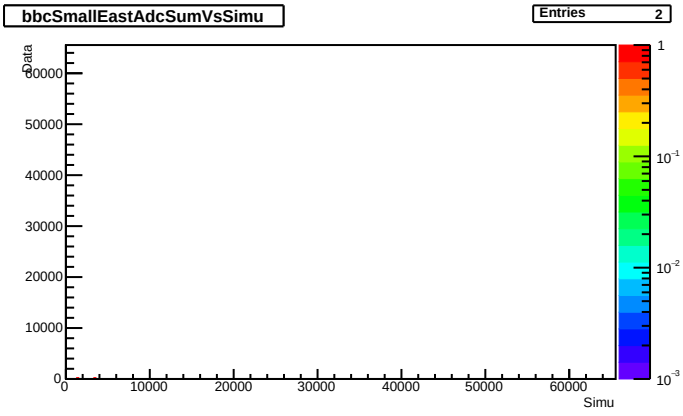

EQ3 QTB
Entries 2.009232e+09
ADC
QT Input Channel

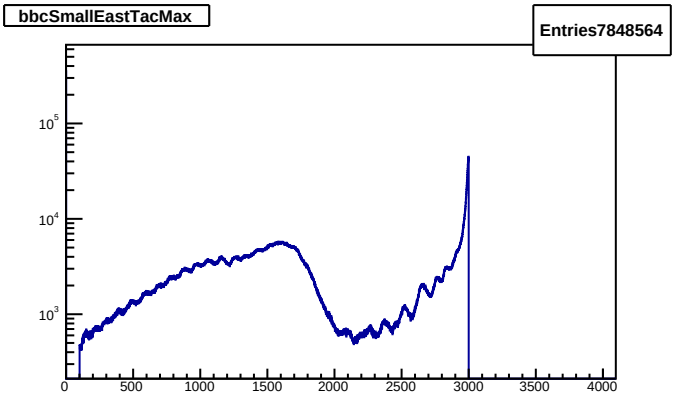

EQ3 QTB
Entries 3.938273e+08
TDC
QT Input Channel


EQ3 QTC
Entries 7.534621e+08
ADC
QT Input Channel


EQ3 QTC
Entries 7.534621e+08
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries7848564


bbcSmallEastAdcSumVsSimu
Entries 2
Data
Simu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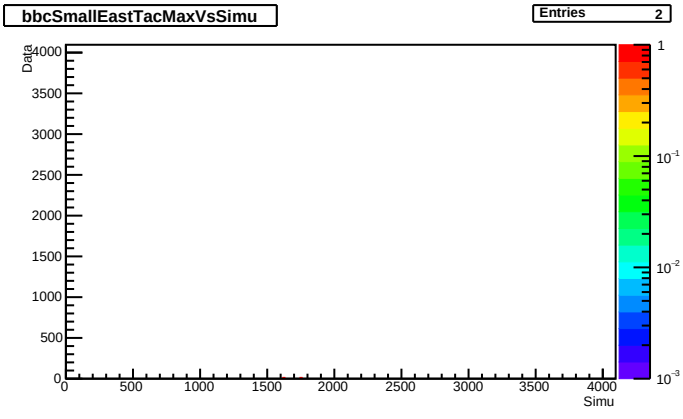
Entries7848564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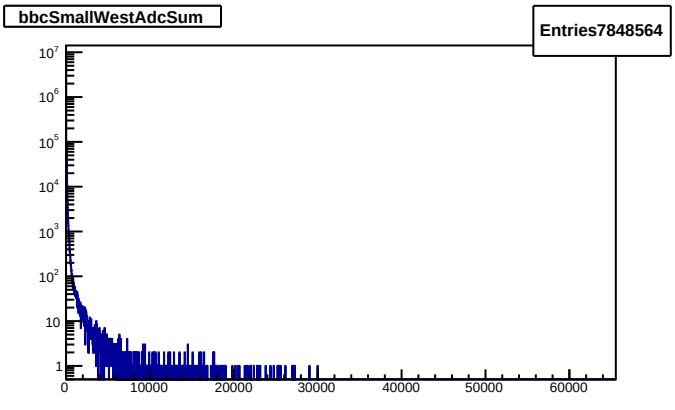
Entries 2
Data
Simu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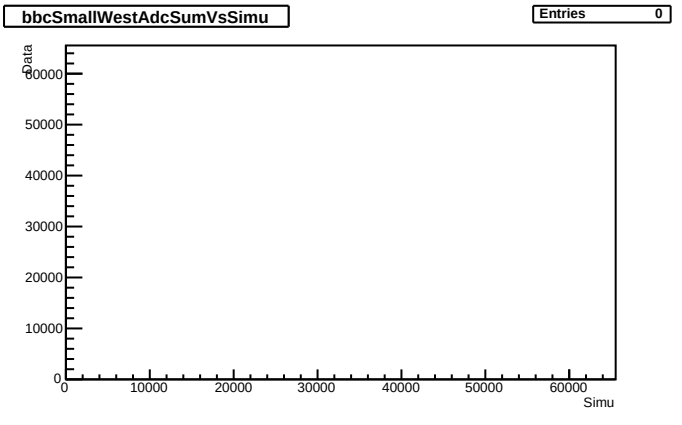
Entries7848564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Entries 0
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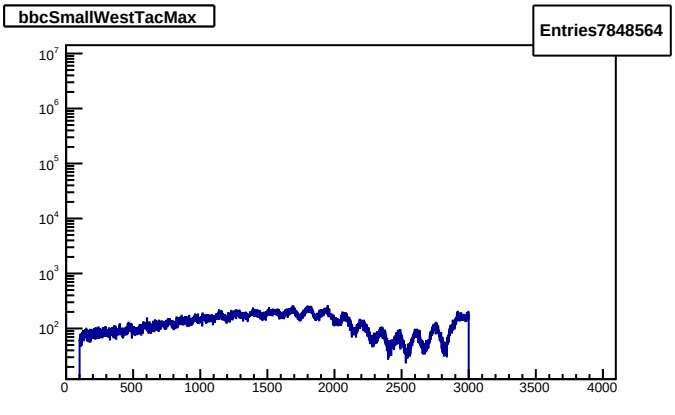
Simu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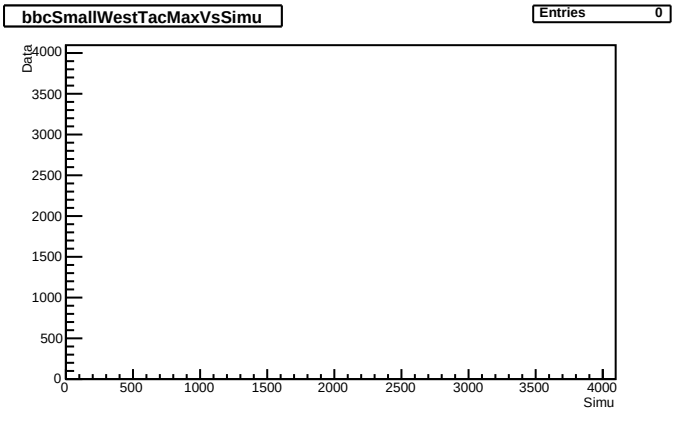
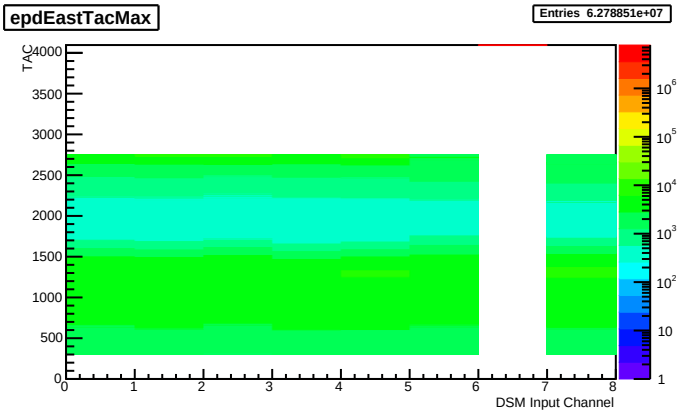
Entries7848564


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
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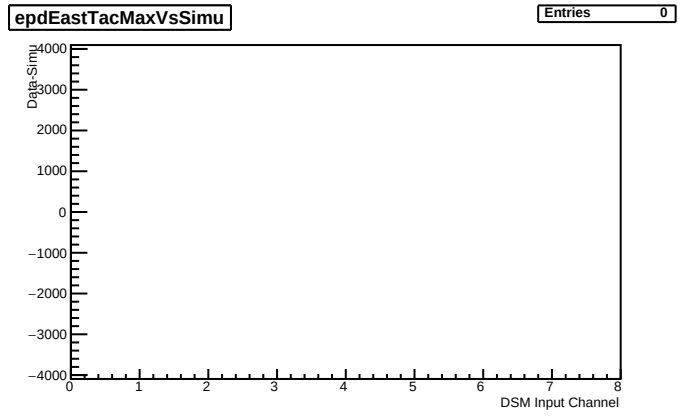
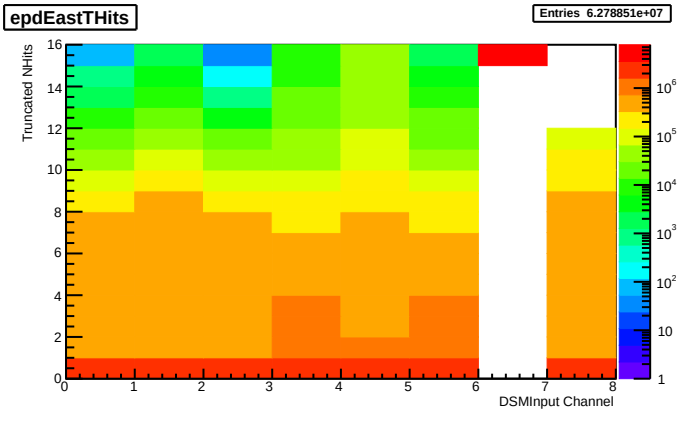
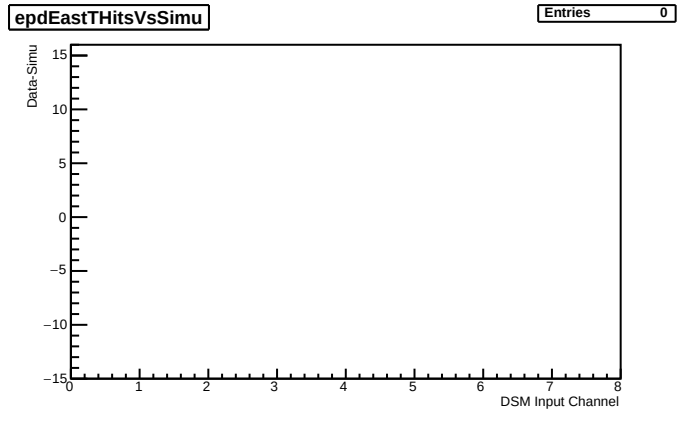
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 6.278851e+07
Truncated NHits
DSMInput Channel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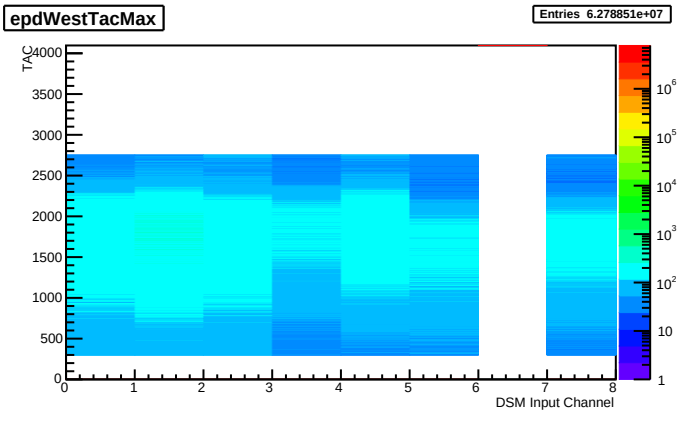
Data-Simu
DSM Input Channel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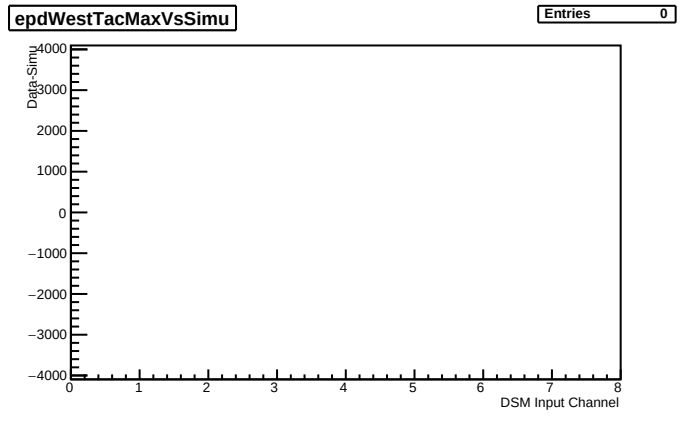
Entries 6.278851e+07
TAC
DSM Input Channel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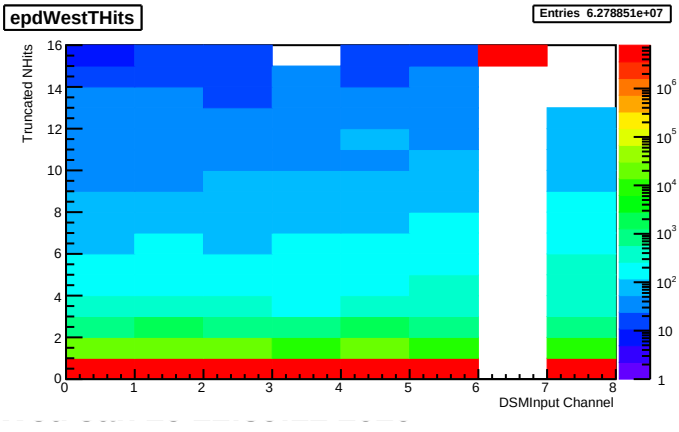
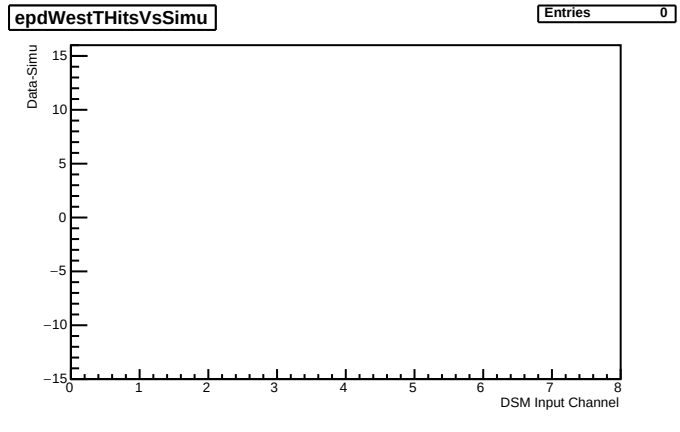
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 6.278851e+07
Truncated NHits
DSMInput Channel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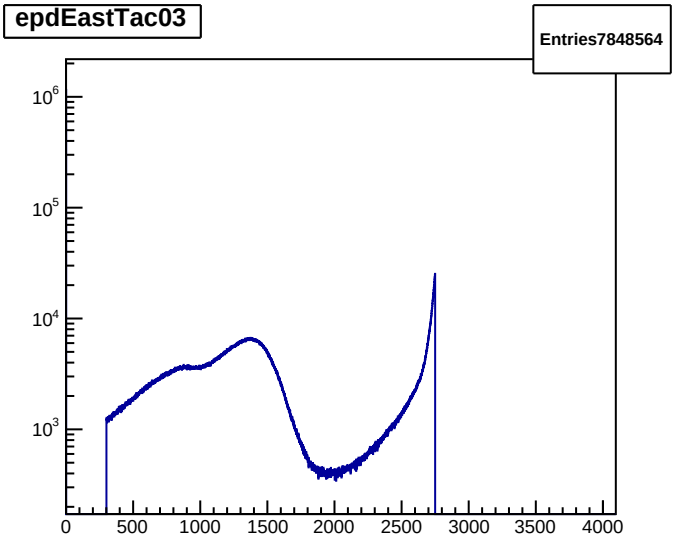
Data-Simu
DSM Input Channel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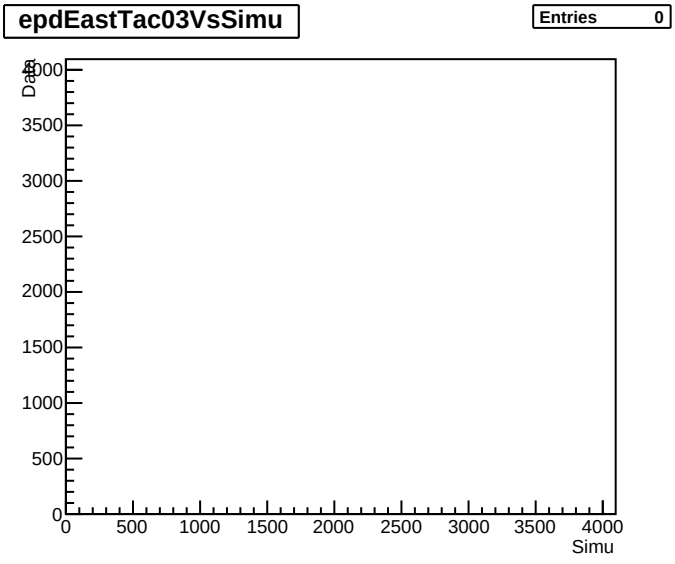
Entries7848564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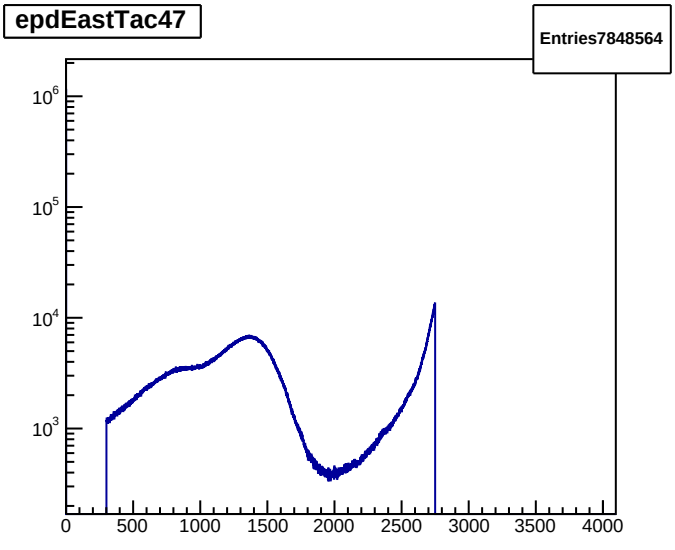
Entries 0
Data
Simu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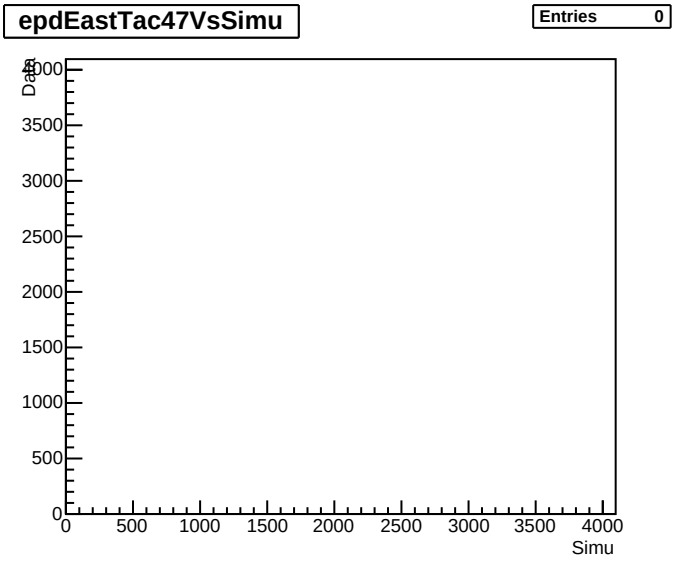
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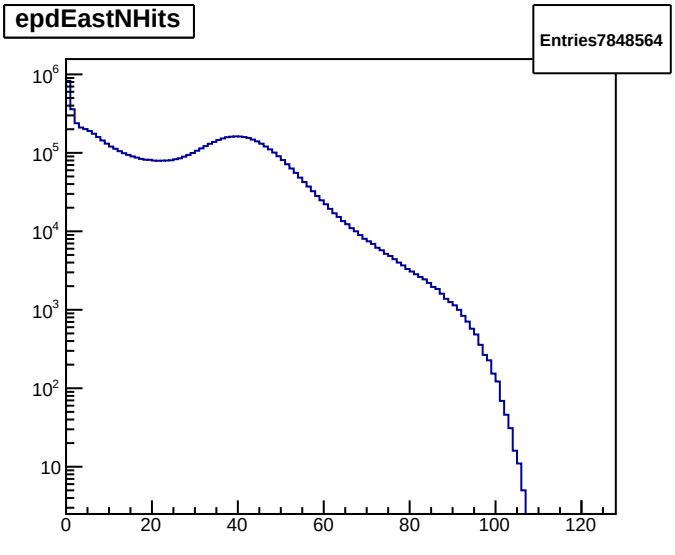
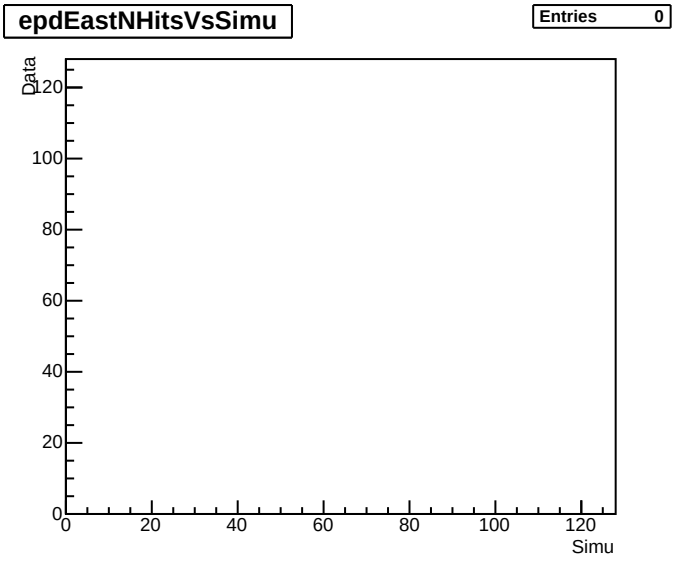
Entries 0
Data
Simu


epdEastNHits
Entries7848564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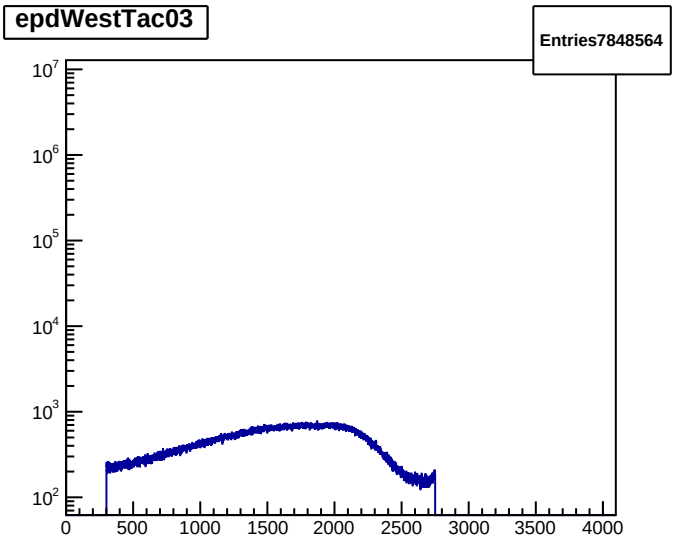
Entries 0
Data
Simu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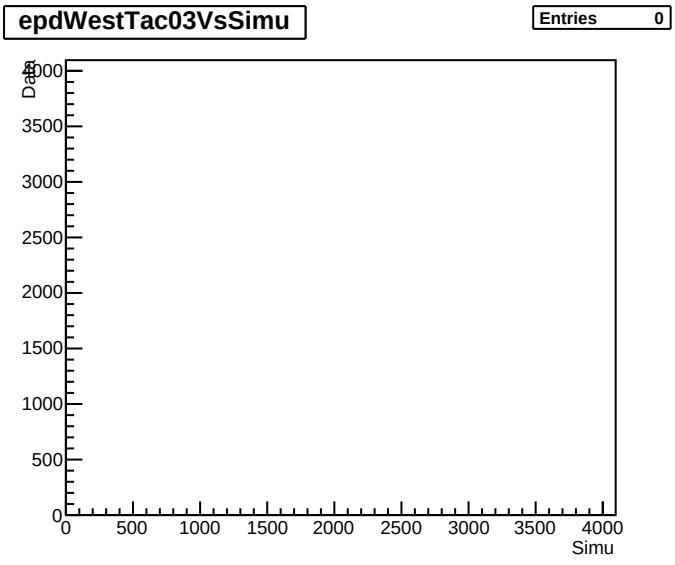
Entries7848564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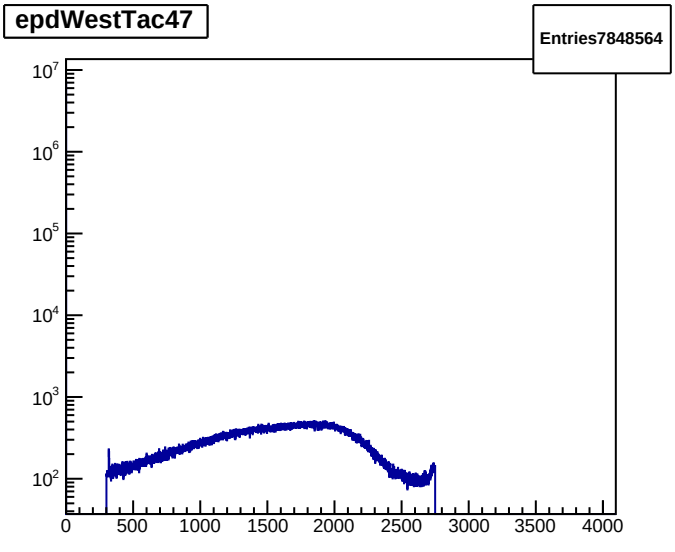
Entries 0
Data
Simu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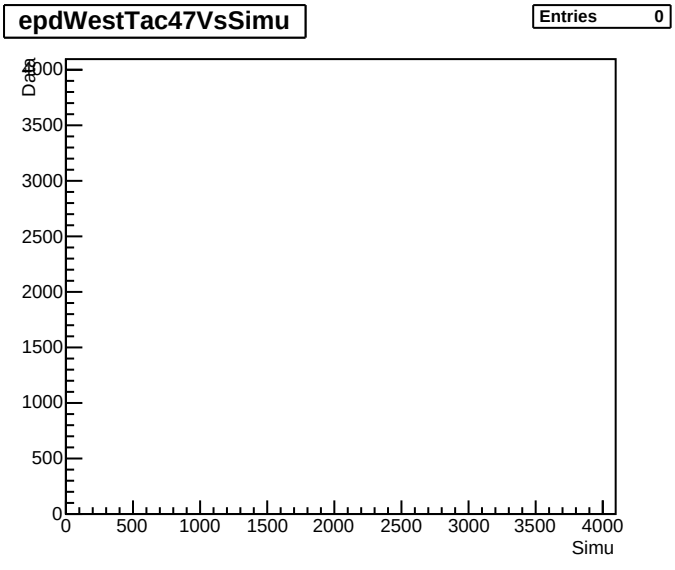
Entries7848564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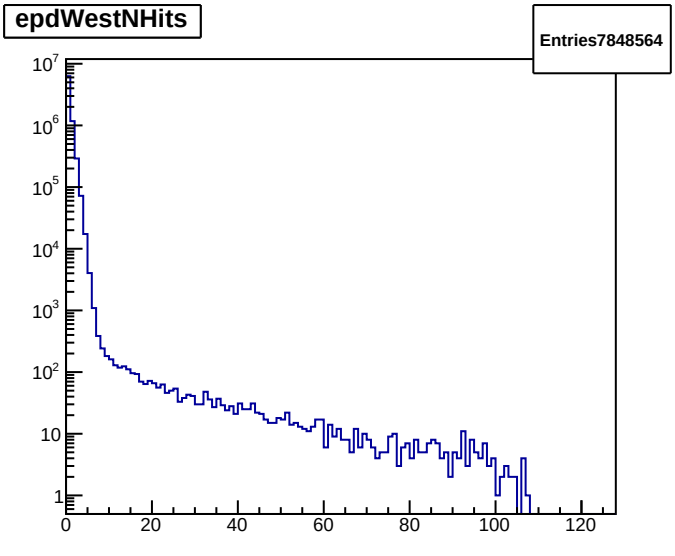
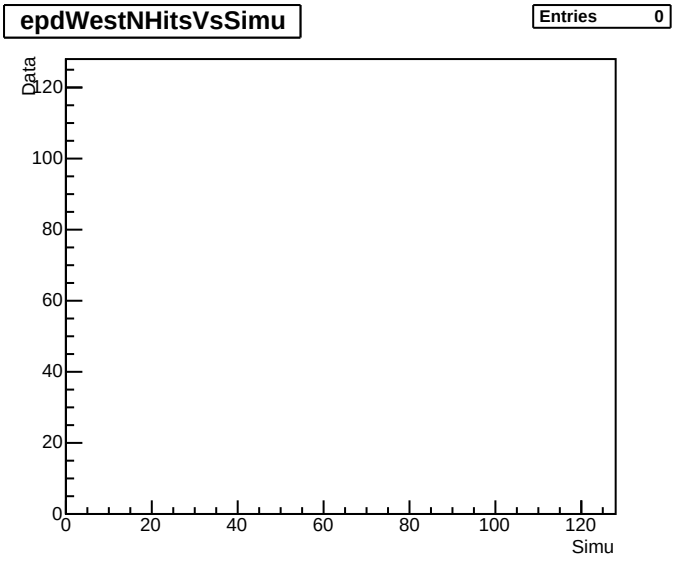
Entries 0
Data
Simu


epdWestNHits
Entries7848564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Entries 0
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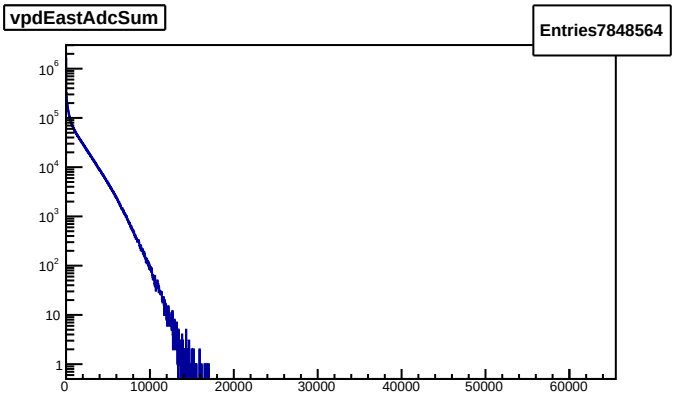
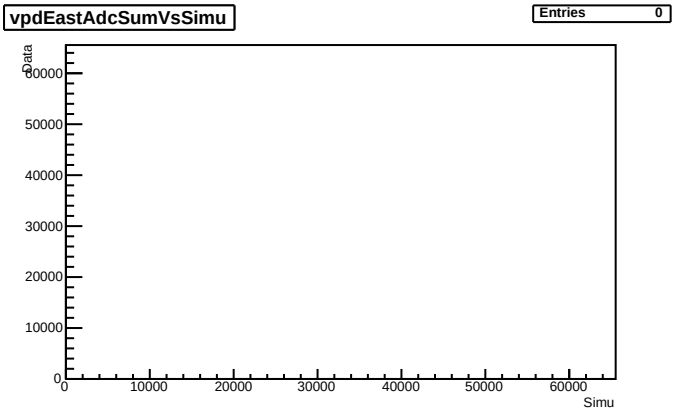
Simu


vpdEastAdcSum
Entries7848564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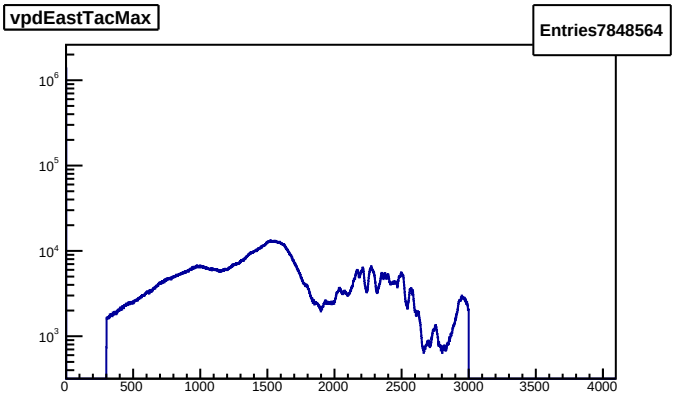
Entries 0
Data
Simu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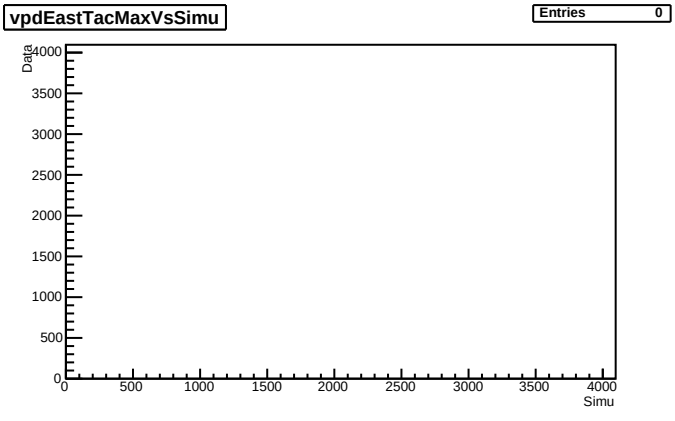
Entries7848564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Entries 0
Data
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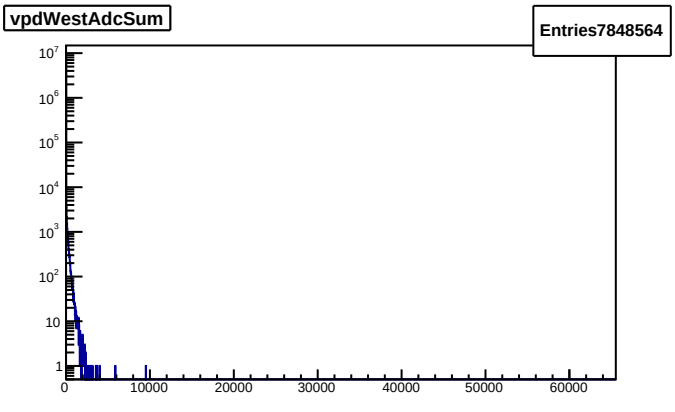
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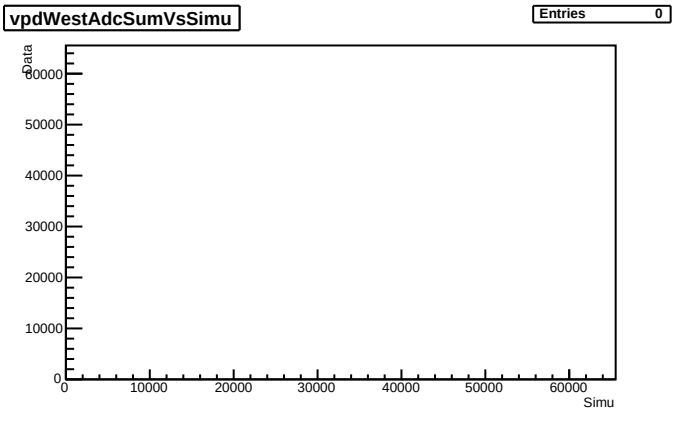
Entries7848564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Entries 0
Data
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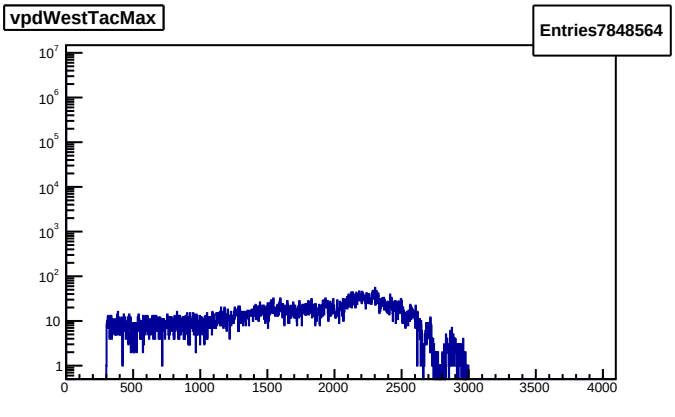
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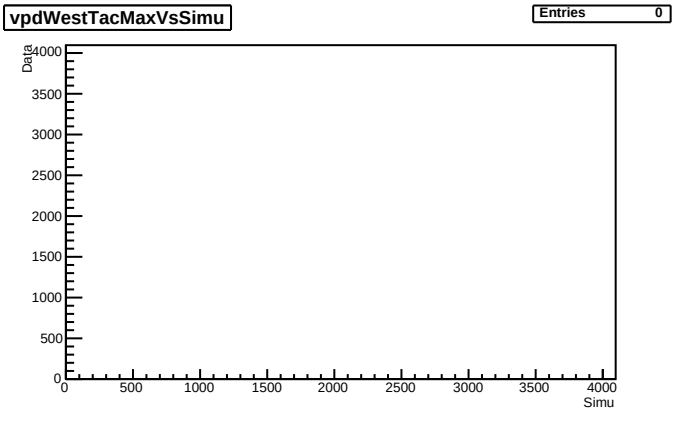
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Entries 0
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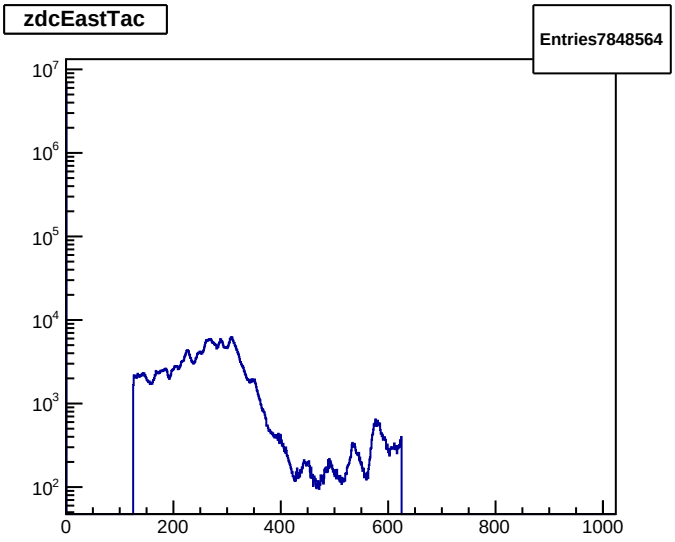
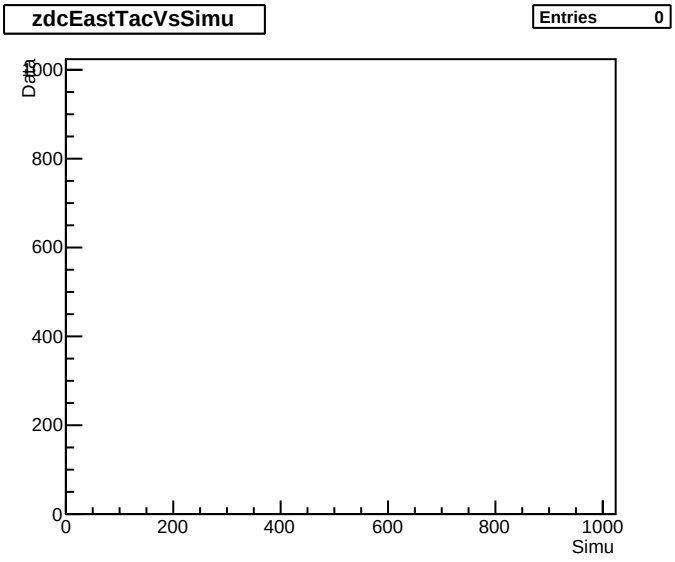
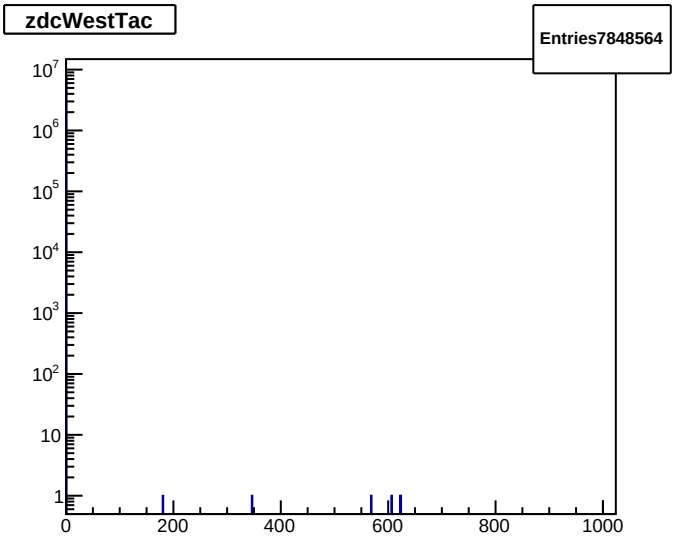
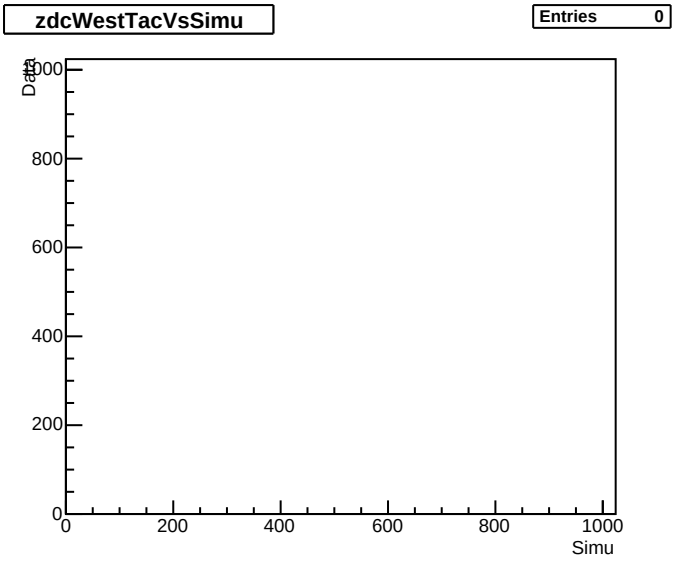
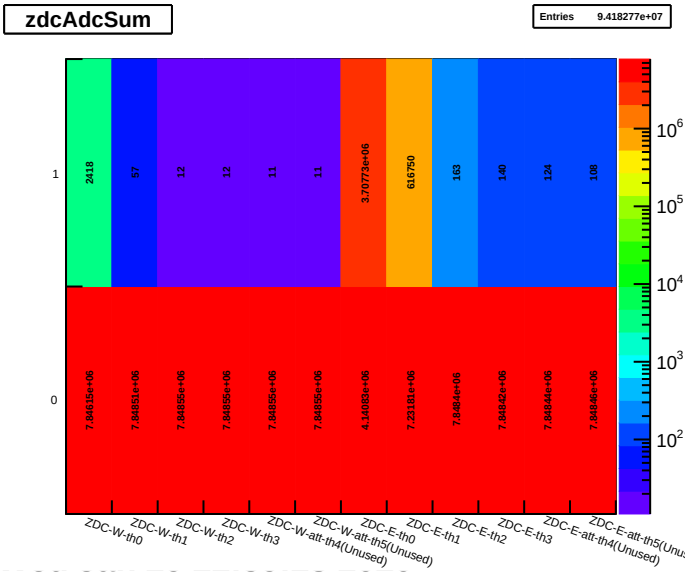
Simu

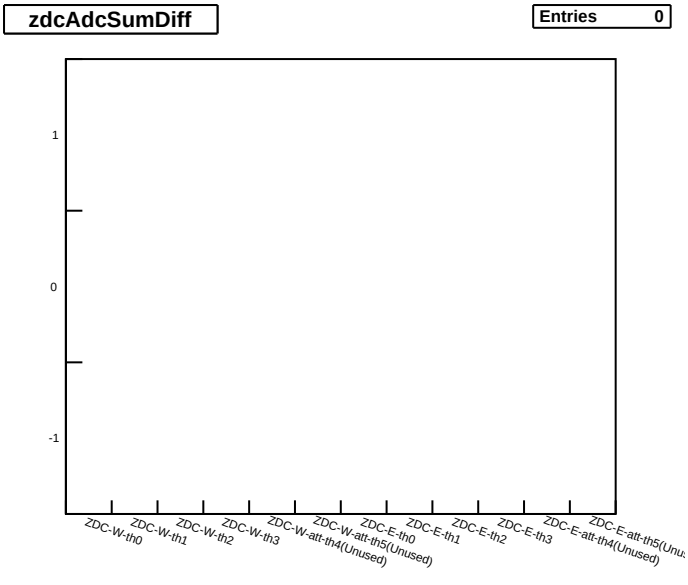

zdcEastTac
Entries7848564

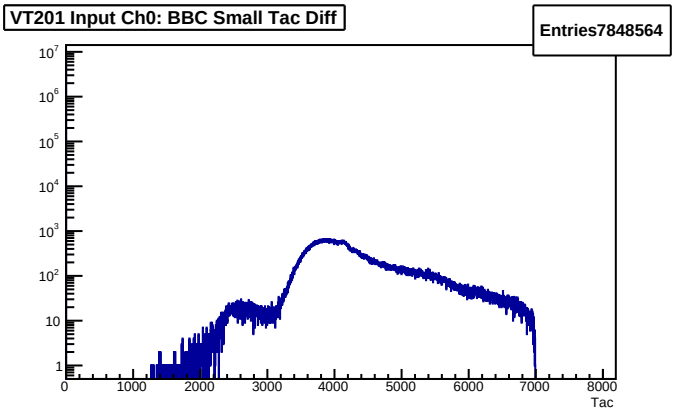

zdcEastTacVsSimu
Entries 0
Data
Simu

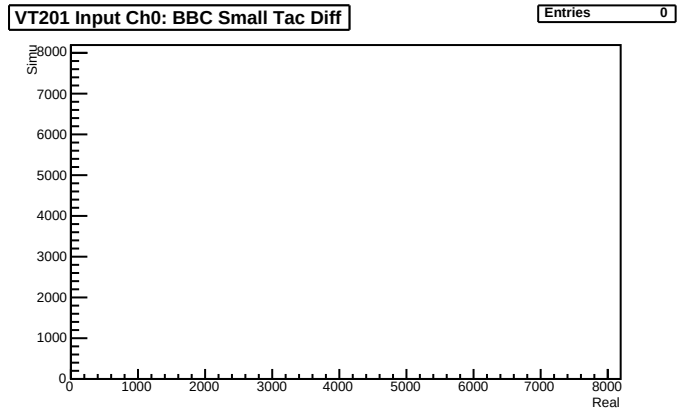

zdcWestTac
Entries7848564

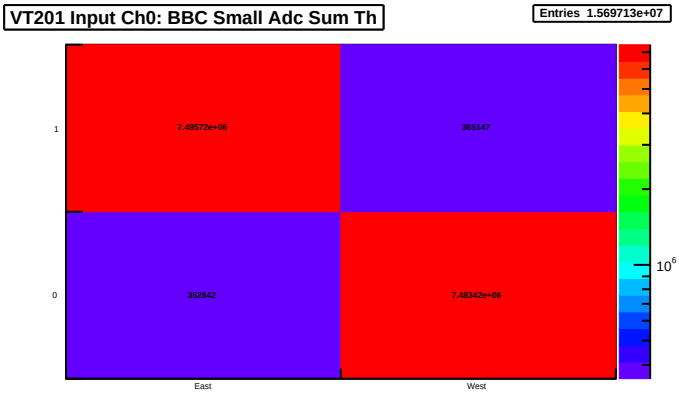

zdcWestTacVsSimu
Entries 0
Data
Simu

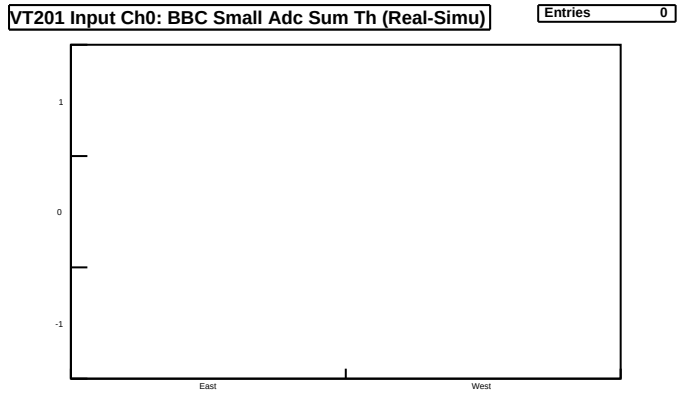

zdcAdcSum
Entries 9.418277e+07
2418
57
12
12
11
11
3.70773e+06
616750
163
140
124
108
7.84615e+06
7.84851e+06
7.84855e+06
7.84855e+06
7.84855e+06
7.84855e+06
4.14083e+06
7.23181e+06
7.84834e+06
7.84842e+06
7.84844e+06
7.84846e+06
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

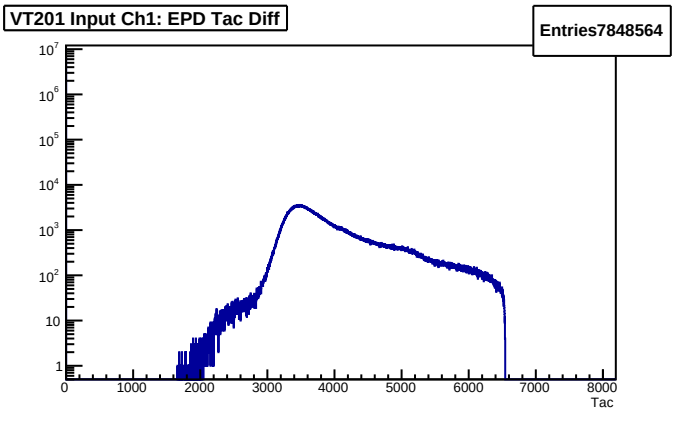

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

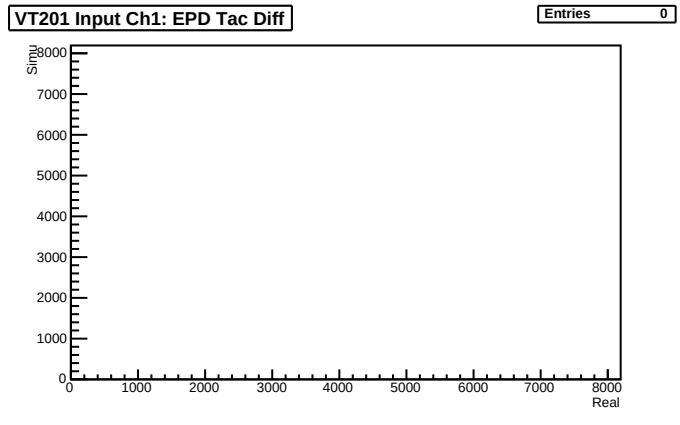

VT201 Input Ch0: BBC Small Tac Diff
Entries7848564
Tac

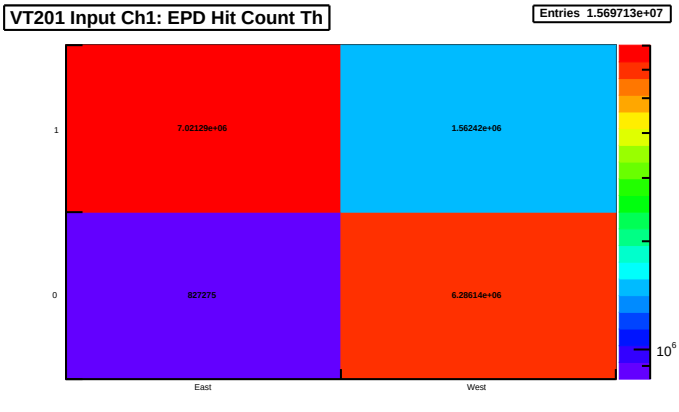

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

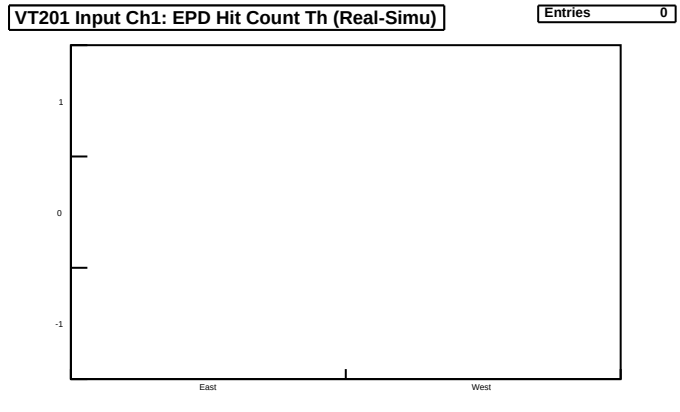

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1.569713e+07
7.49572e+06
365147
352842
7.48342e+06
East
West

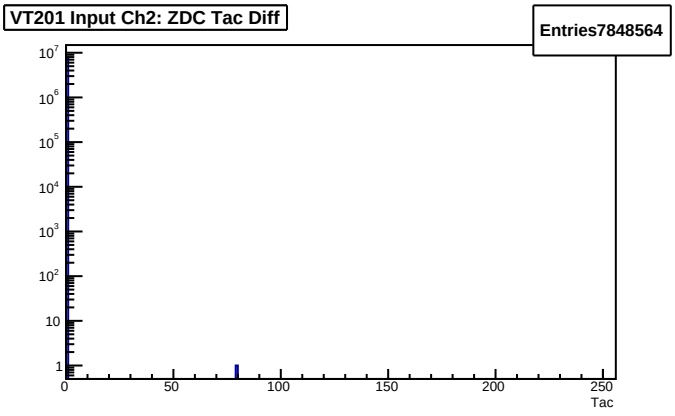

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

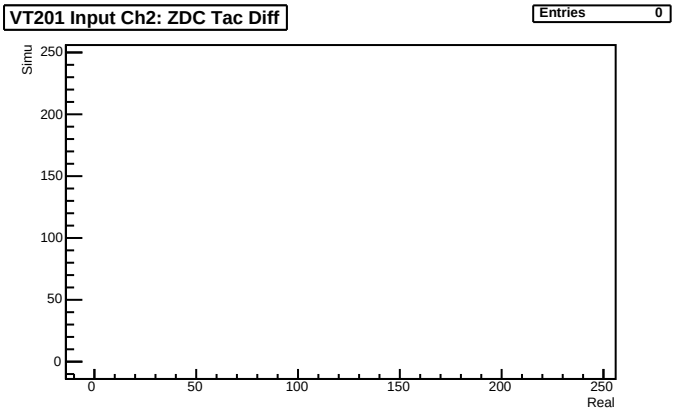

VT201 Input Ch1: EPD Tac Diff
Entries7848564
Tac

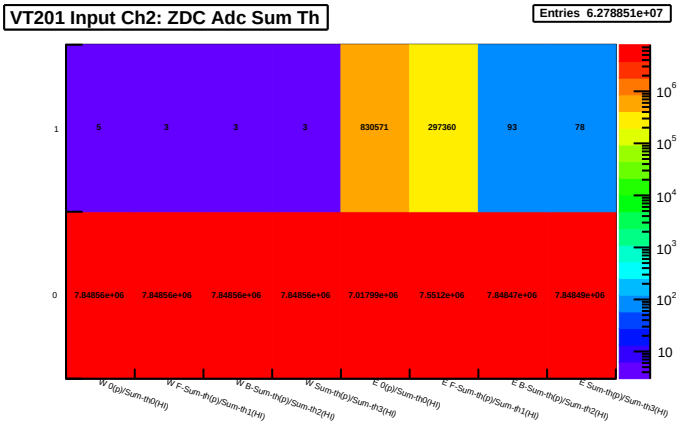

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

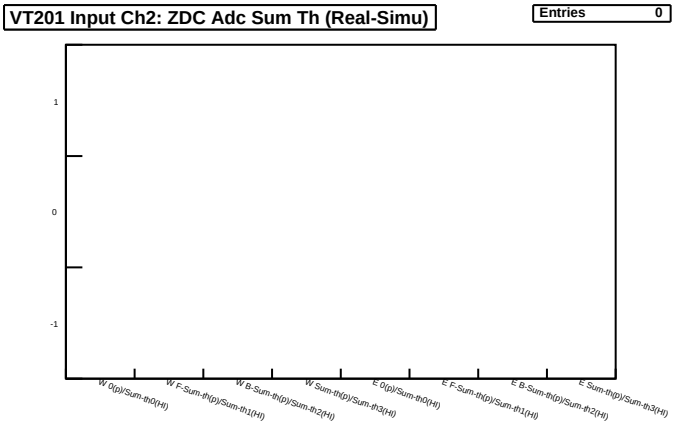

VT201 Input Ch1: EPD Hit Count Th
Entries 1.569713e+07
7.02129e+06
1.56242e+06
827275
6.28614e+06
East
West

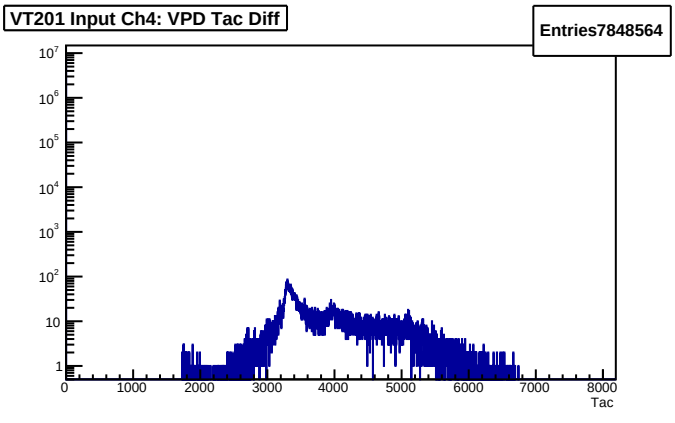

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

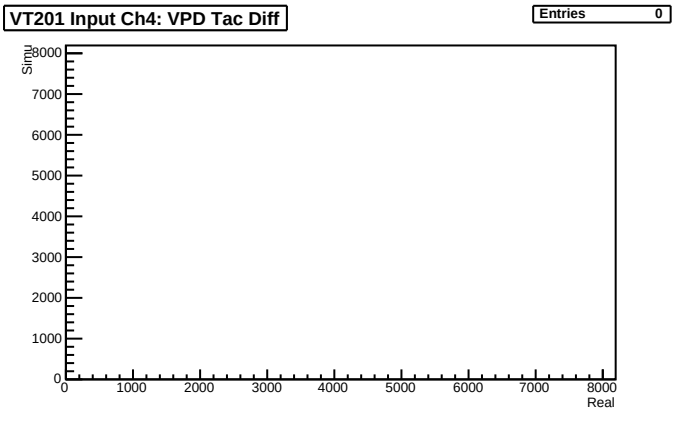

VT201 Input Ch2: ZDC Tac Diff
Entries7848564
Tac

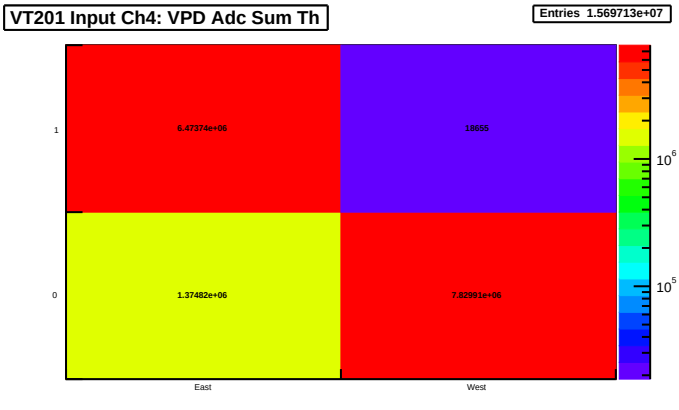

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

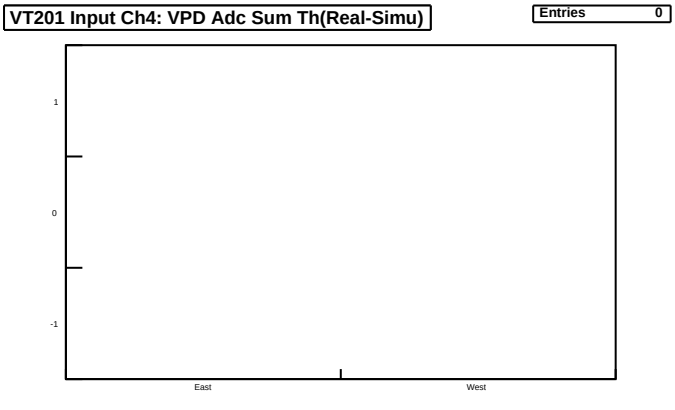

VT201 Input Ch2: ZDC Adc Sum Th
Entries 6.278851e+07
5
3
3
3
830571
297360
93
78
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.01799e+06
7.5512e+06
7.84847e+06
7.84849e+06
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

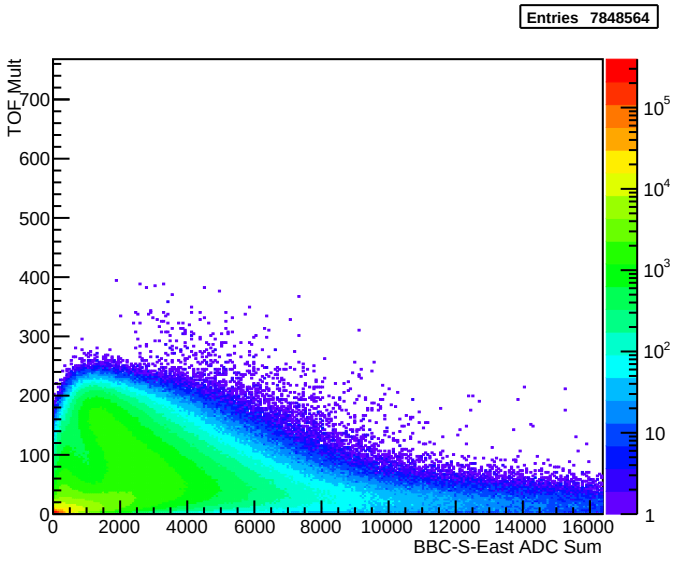

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

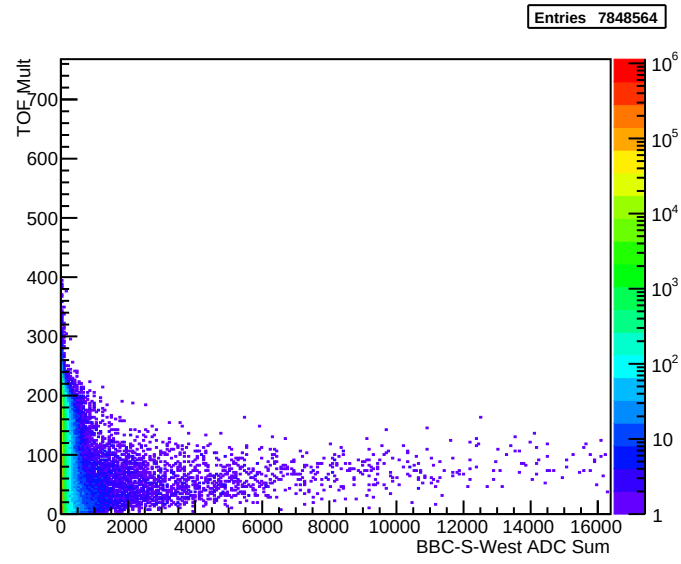

VT201 Input Ch4: VPD Tac Diff
Entries7848564
Tac

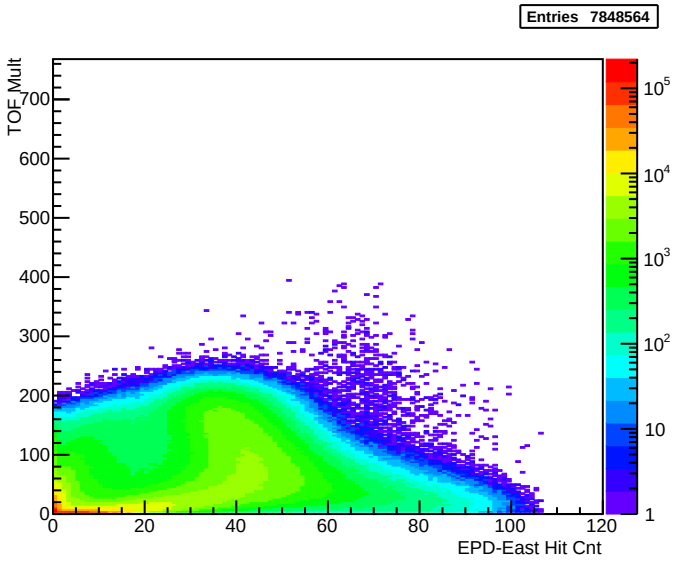

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

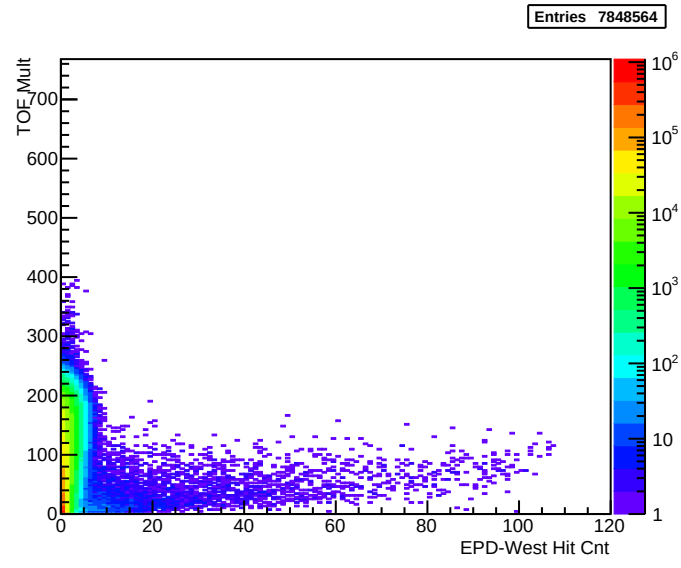

VT201 Input Ch4: VPD Adc Sum Th
Entries 1.569713e+07
6.47374e+06
18655
1.37482e+06
7.82991e+06
East
West

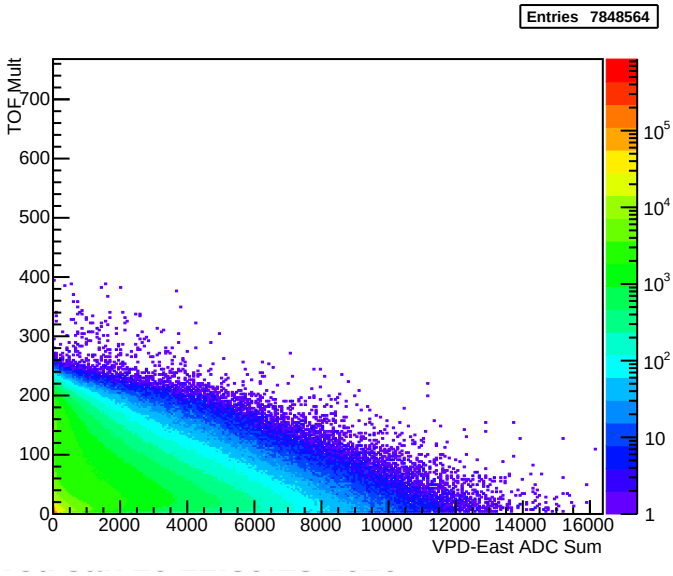

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

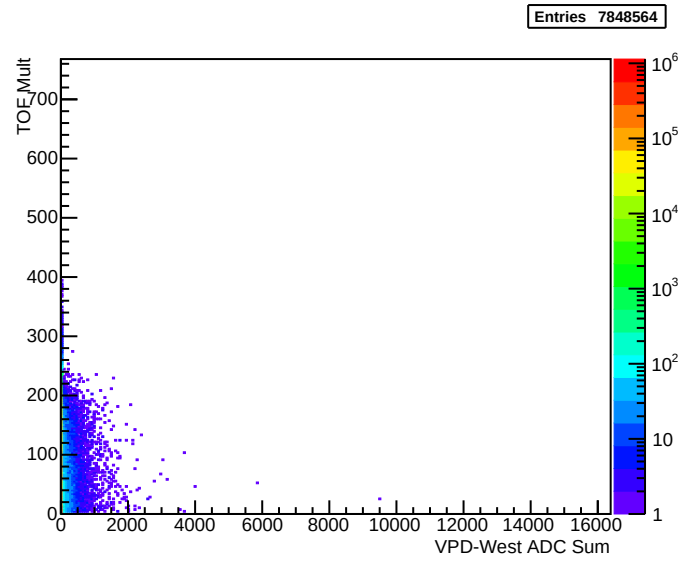

Entries 7848564
TOF_Mult
BBC-S-East ADC Sum

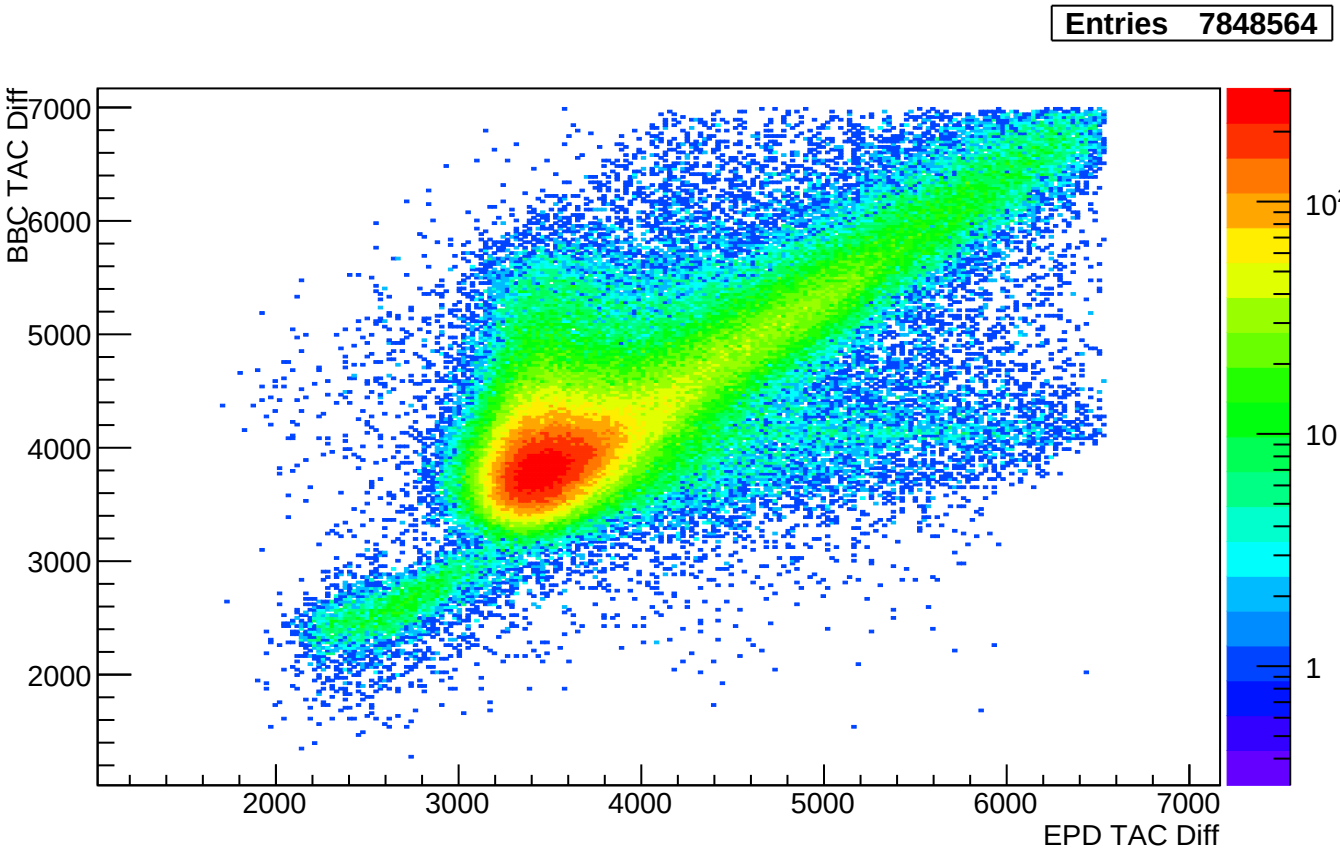

Entries 7848564
TOF_Mult
BBC-S-West ADC Sum

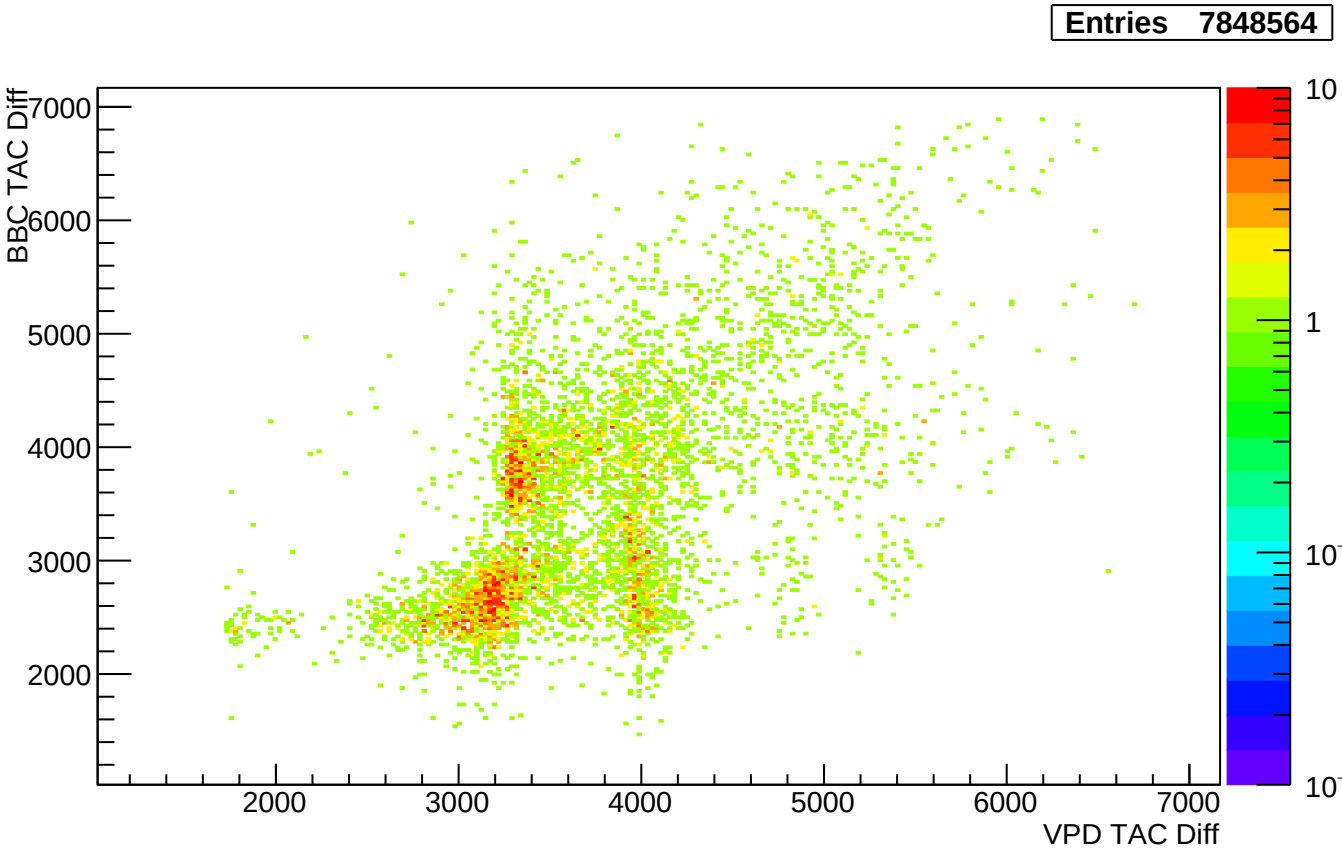

Entries 7848564
TOF_Mult
EPD-East Hit Cnt

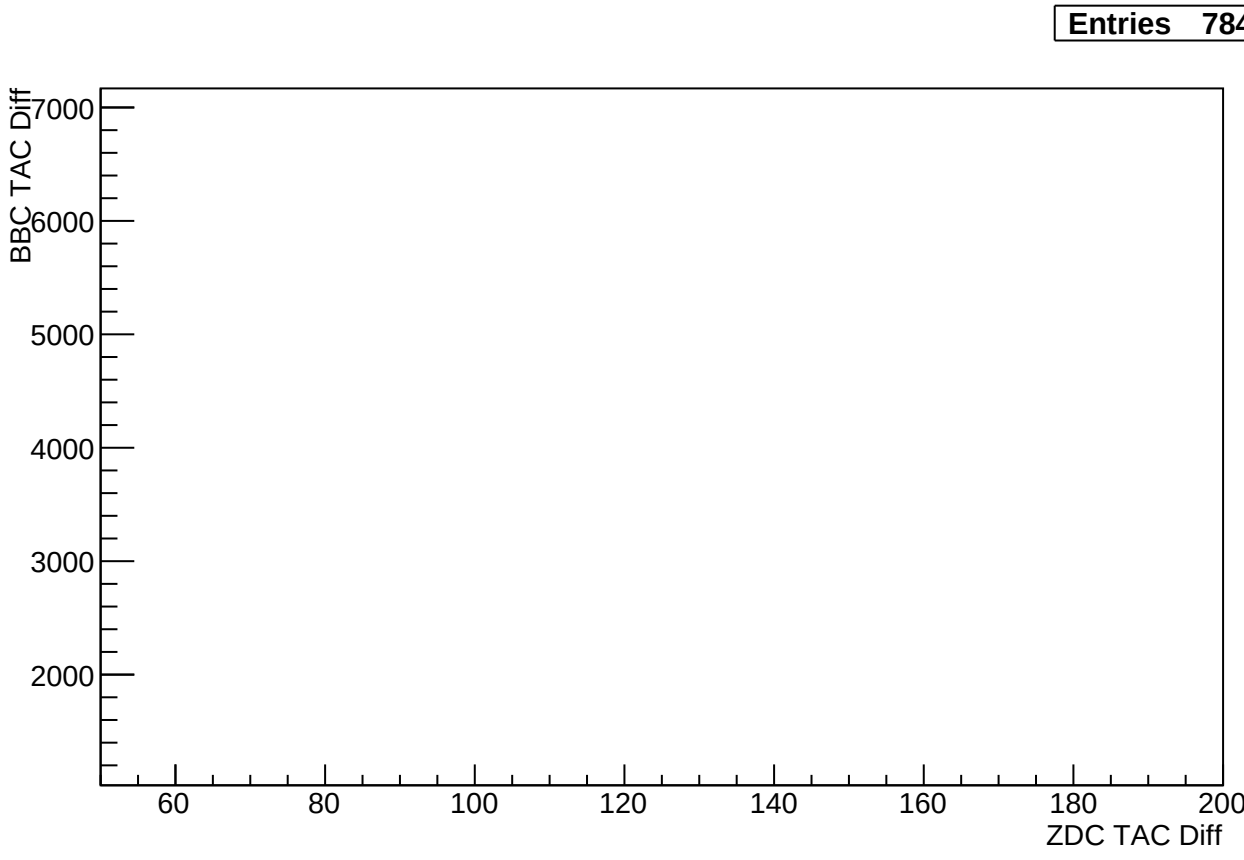

Entries 7848564
TOF_Mult
EPD-West Hit Cnt

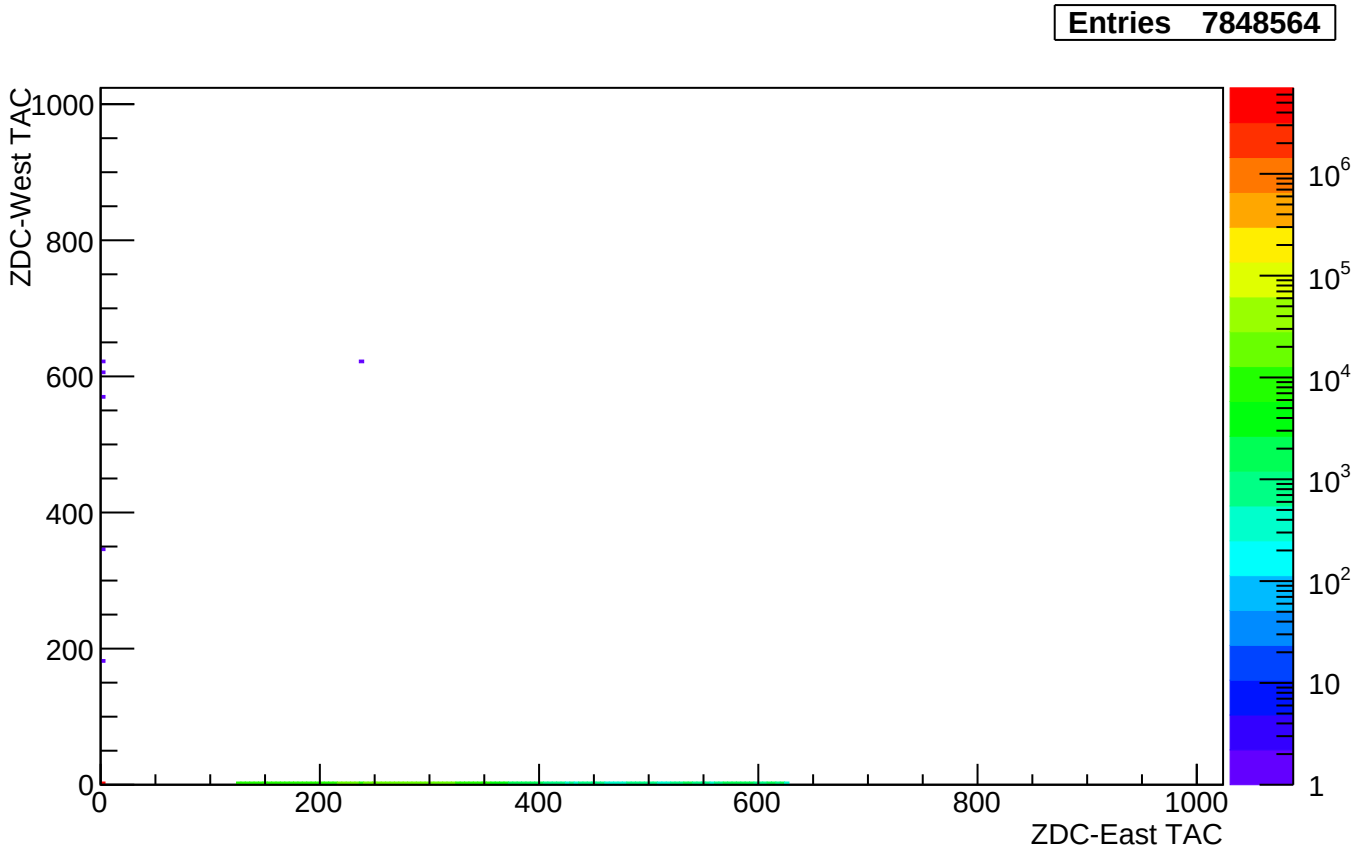

Entries 7848564
TOF_Mult
VPD-East ADC Sum

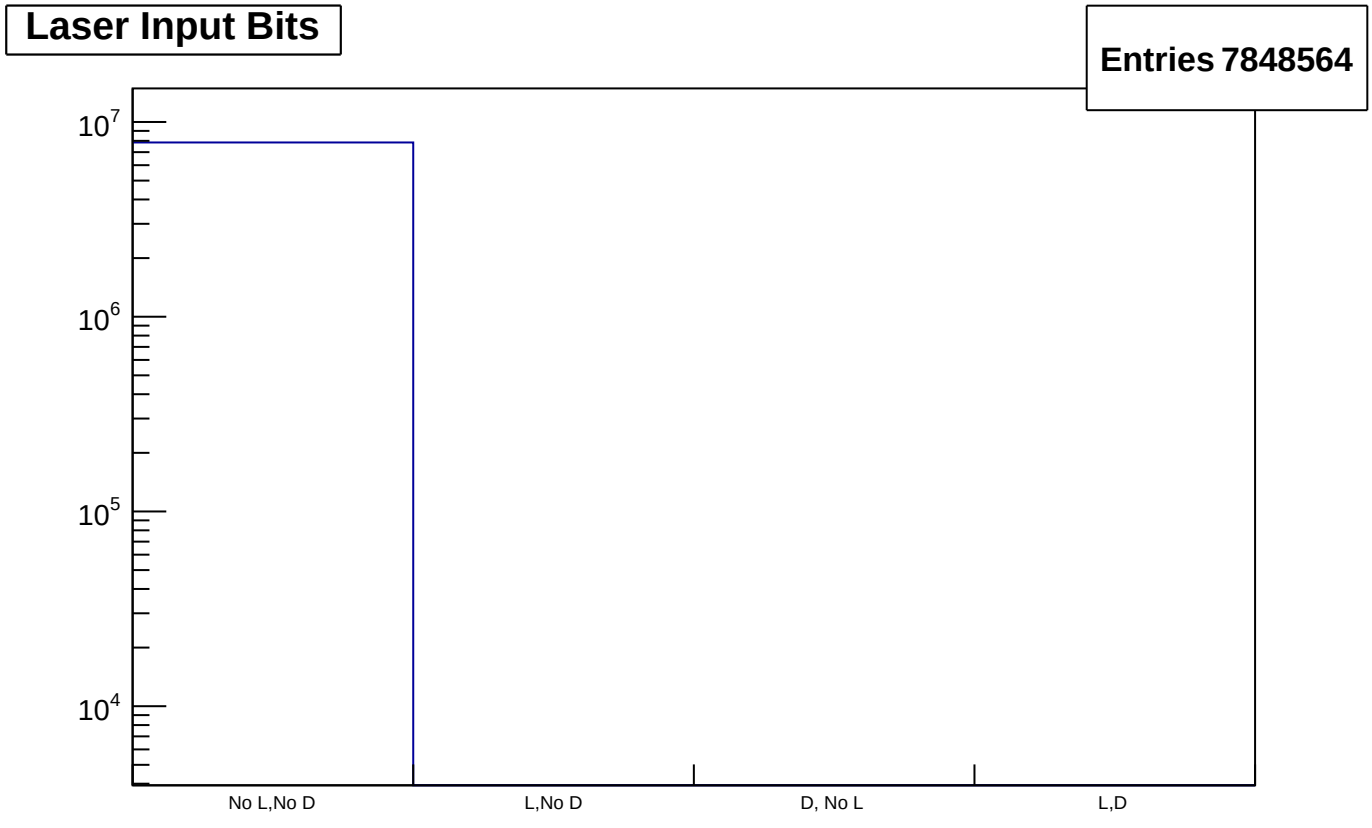

Entries 7848564
TOF_Mult
VPD-West ADC Sum

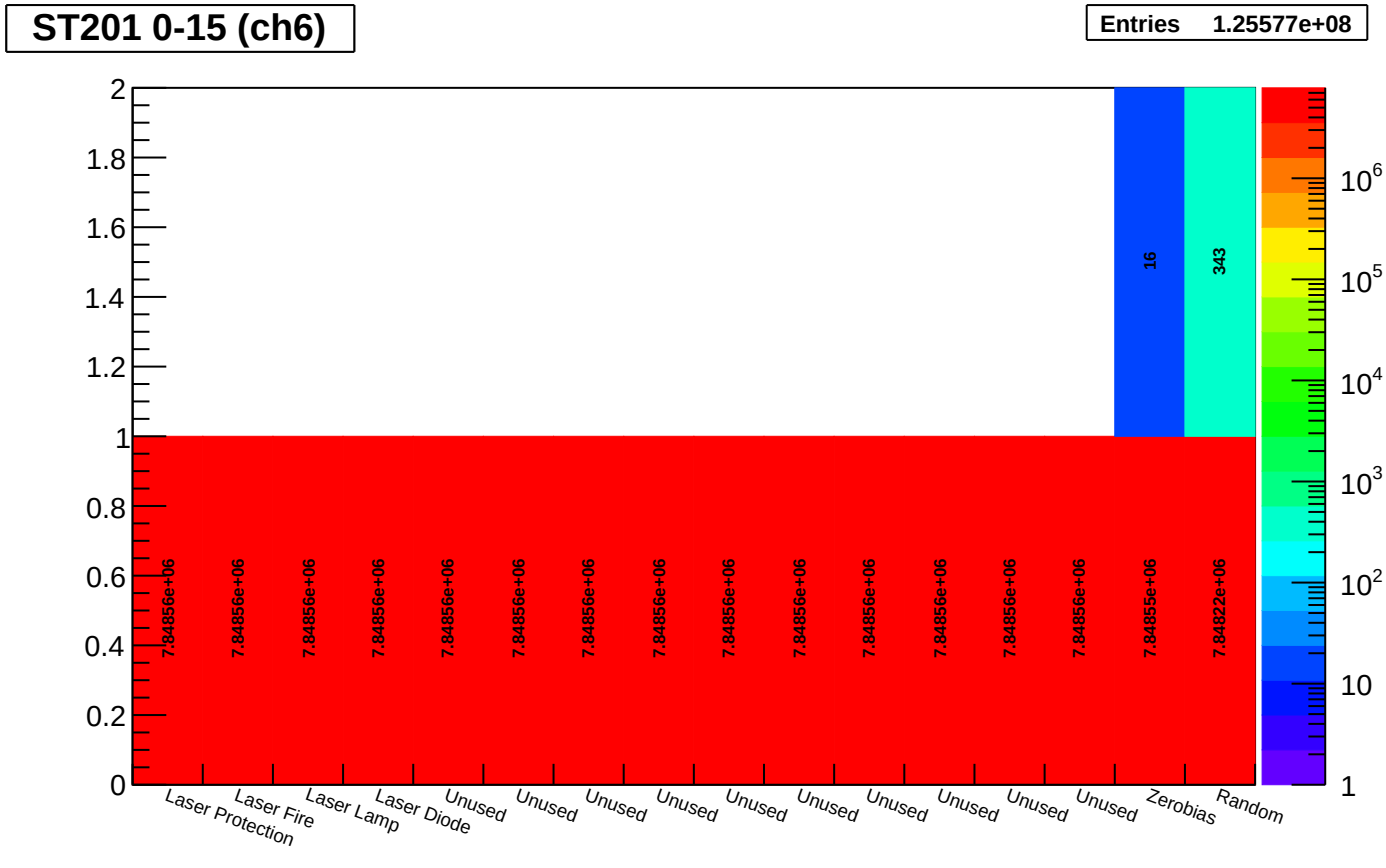

Entries 7848564
BBC TAC Diff
EPD TAC Diff
2000
3000
4000
5000
6000
7000
1
10
10^2

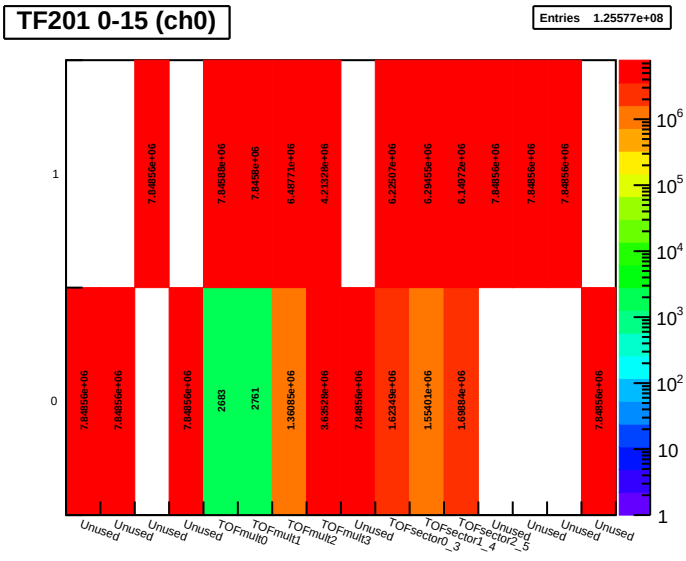

Entries 7848564
BBC TAC Diff
VPD TAC Diff
2000
3000
4000
5000
6000
7000
10^{-2}
10^{-1}
1
10

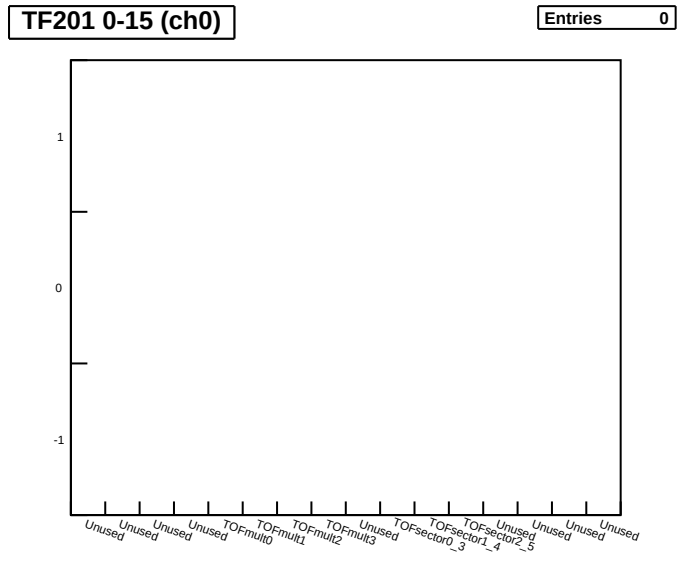

Entries 7848564
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff

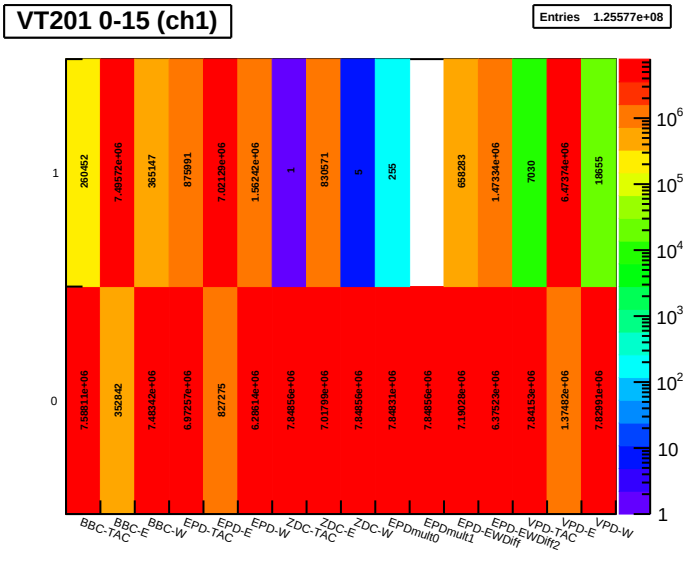

Entries 7848564
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^6
10^5
10^4
10^3
10^2
10
1

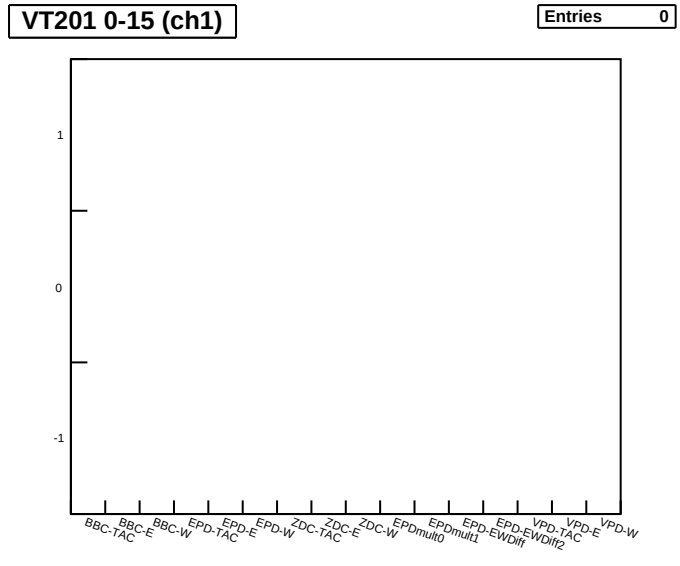

Laser Input Bits
Entries 7848564
10^7
10^6
10^5
10^4
No L,No D
L,No D
D, No L
L,D

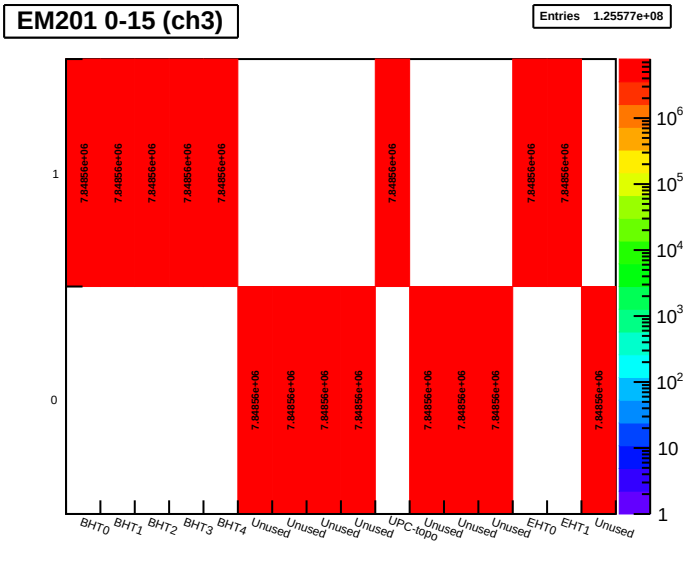

ST201 0-15 (ch6)
Entries 1.25577e+08
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7.84856e+06
7.84855e+06
7.84822e+06
16
343
10^6
10^5
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

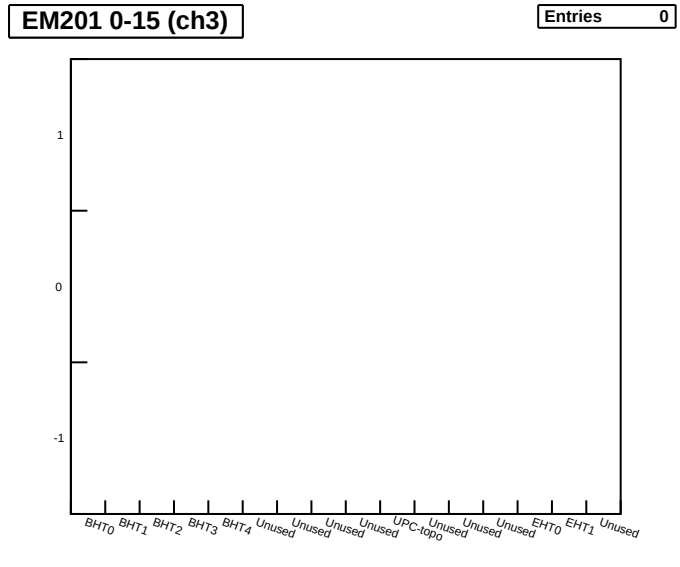

TF201 0-15 (ch0)
Entries 1.25577e+08
1
0
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
2683
2761
1.36085e+06
3.63528e+06
1.62349e+06
1.55401e+06
1.68884e+06
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
1
10
10^2
10^3
10^4
10^5
10^6


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 1.25577e+08
1
0
260452
7.49572e+06
365147
875991
7.02129e+06
1.56242e+06
1
830571
5
255
658283
1.47334e+06
7030
6.47374e+06
19655
7.58811e+06
352842
7.48342e+06
6.97257e+06
827275
6.28614e+06
7.84856e+06
7.01799e+06
7.84856e+06
7.84831e+06
7.84856e+06
7.19028e+06
6.37523e+06
7.84153e+06
1.37482e+06
7.82991e+06
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
1
10
10^2
10^3
10^4
10^5
10^6


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 1.25577e+08
1
0
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
7.84856e+06
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
1
10
10^2
10^3
10^4
10^5
10^6


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