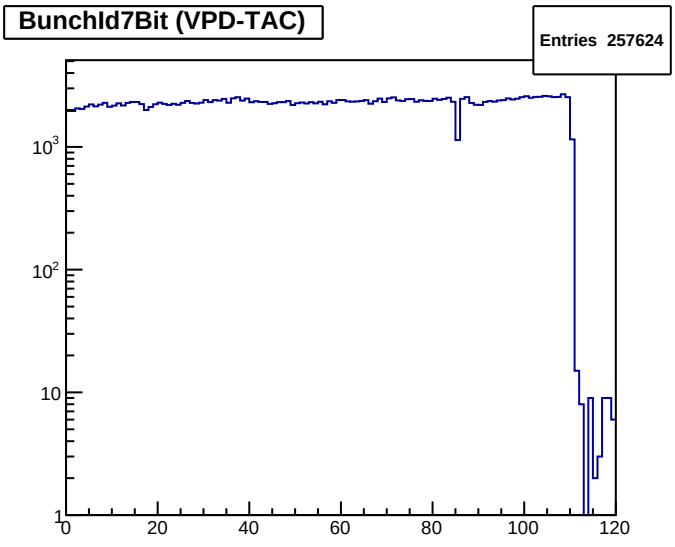
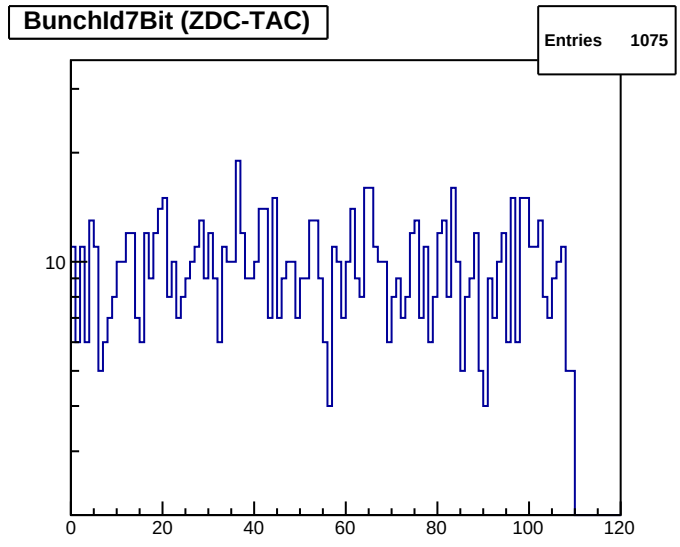
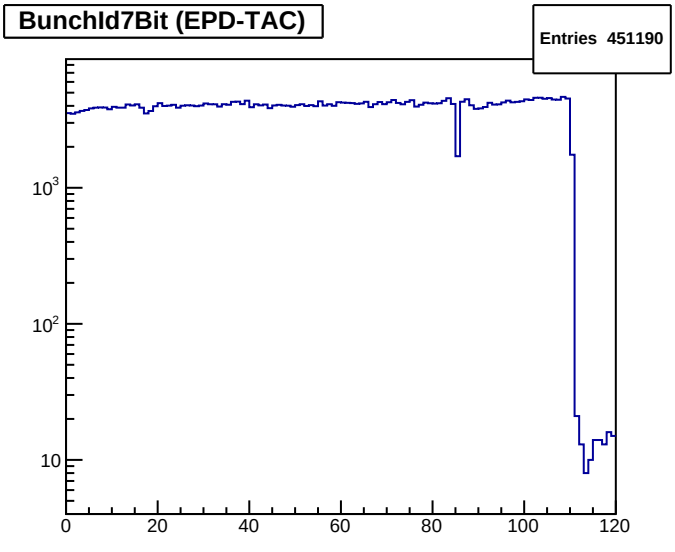
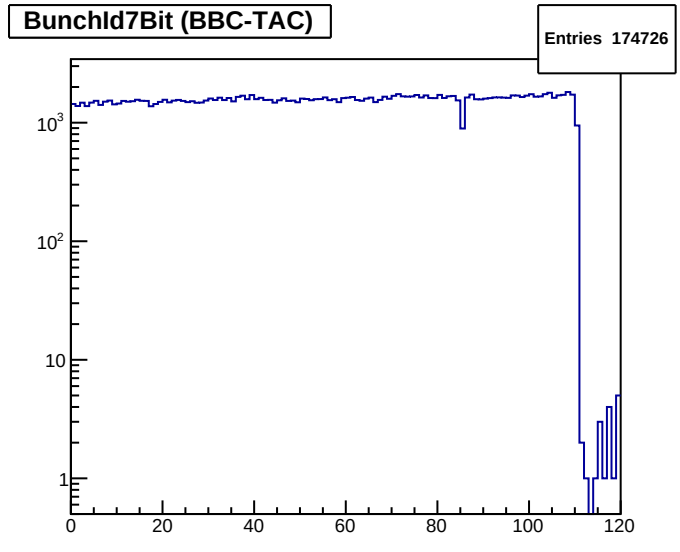
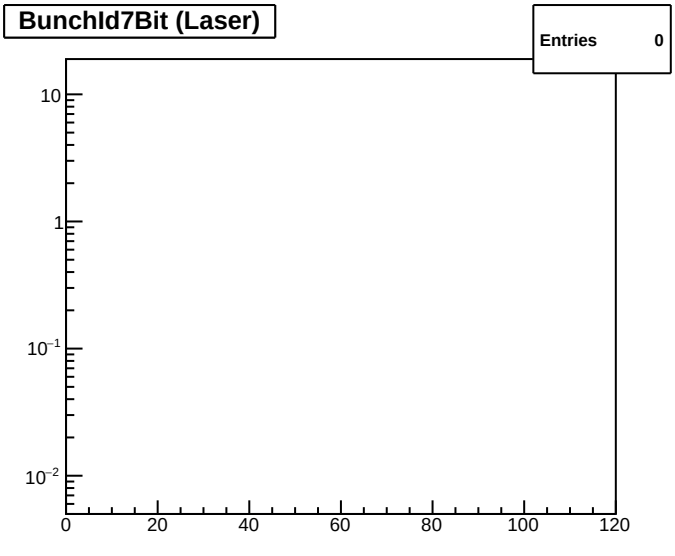
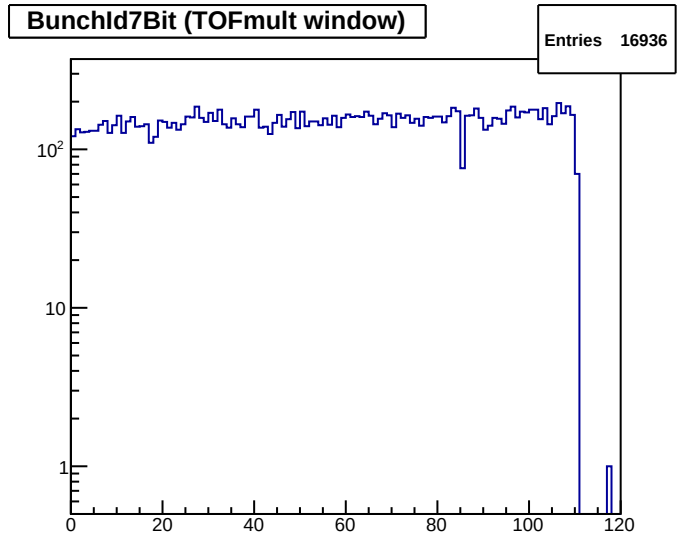

BunchId7Bit (VPD-TAC)
Entries 257624

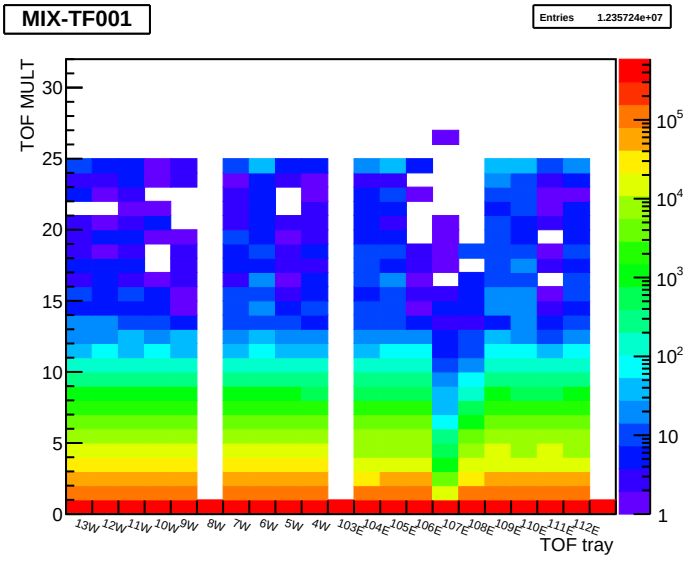

BunchId7Bit (ZDC-TAC)
Entries 1075

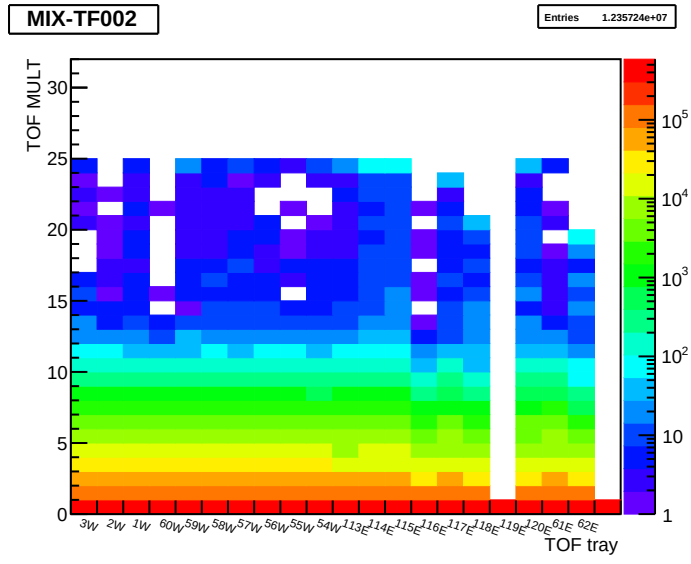

BunchId7Bit (EPD-TAC)
Entries 451190

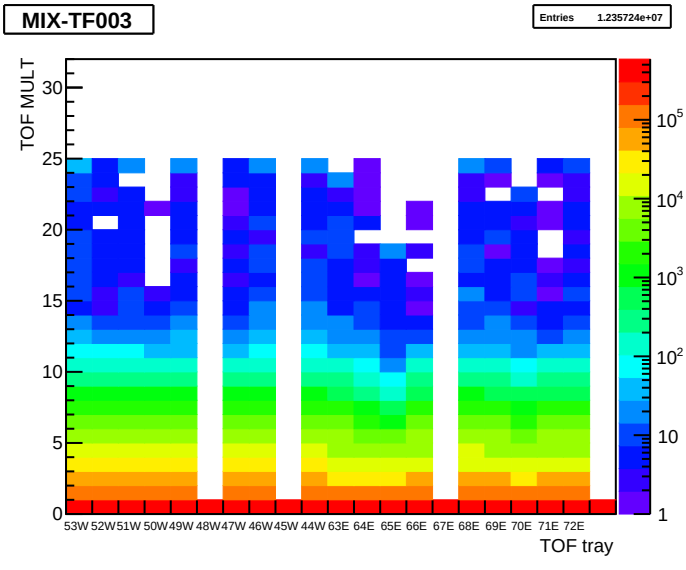

BunchId7Bit (BBC-TAC)
Entries 174726

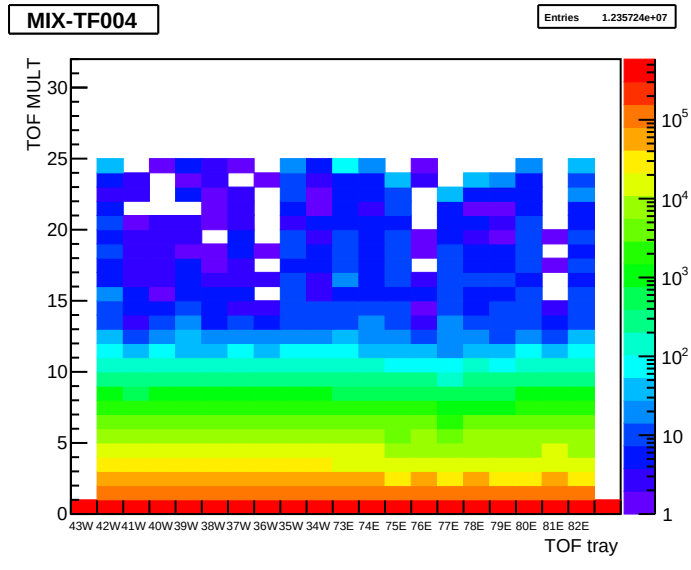

BunchId7Bit (Laser)
Entries 0

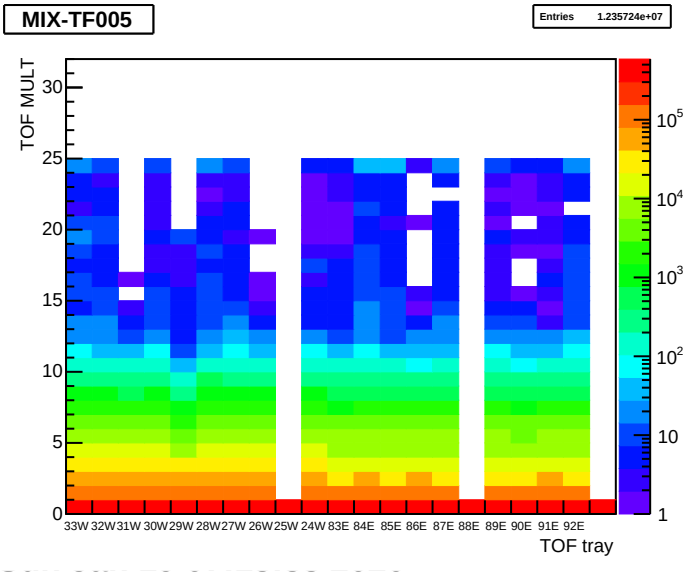

BunchId7Bit (TOFmult window)
Entries 16936

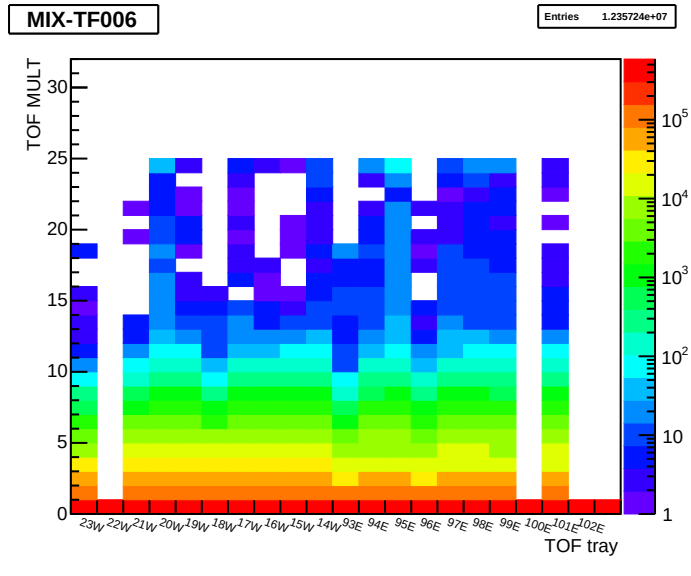

MIX-TF001
Entries 1.235724e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

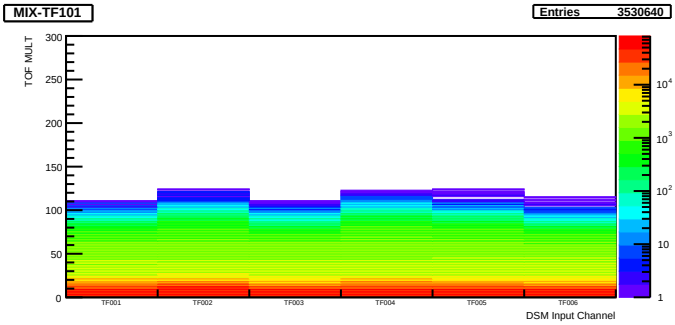

MIX-TF002
Entries 1.235724e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

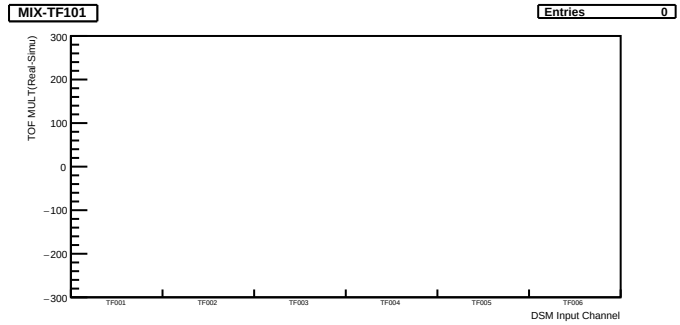

MIX-TF003
Entries 1.235724e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

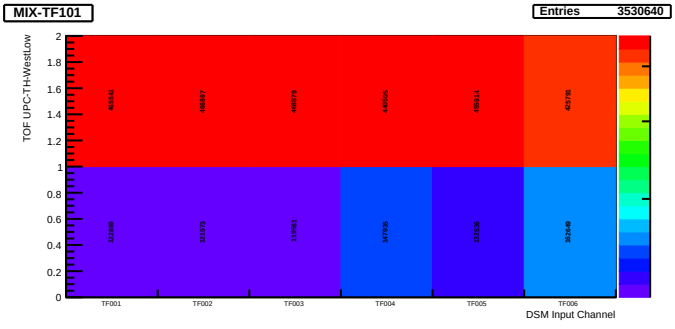

MIX-TF004
Entries 1.235724e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

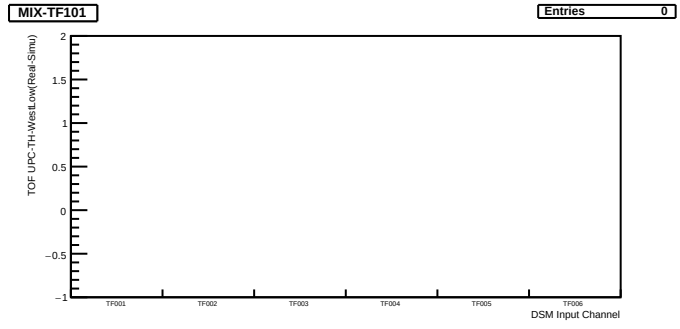

MIX-TF005
Entries 1.235724e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

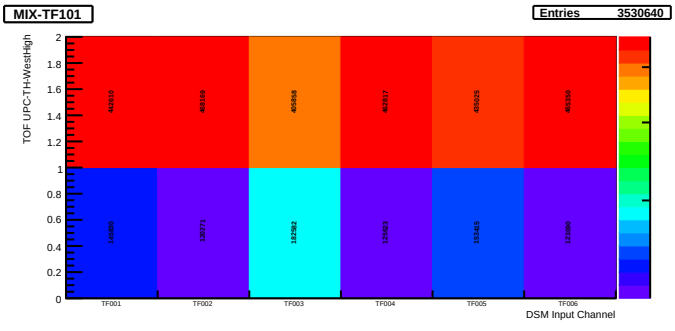

MIX-TF006
Entries 1.235724e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

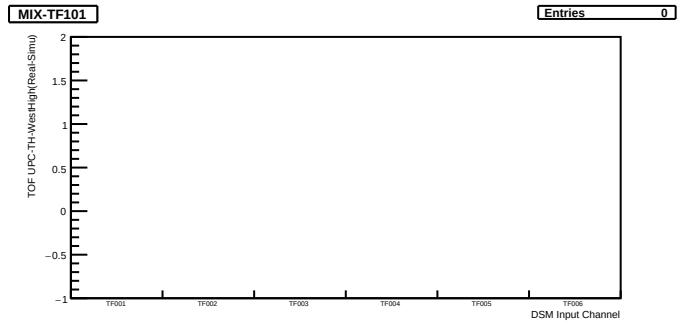

MIX-TF101
Entries 3530640
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

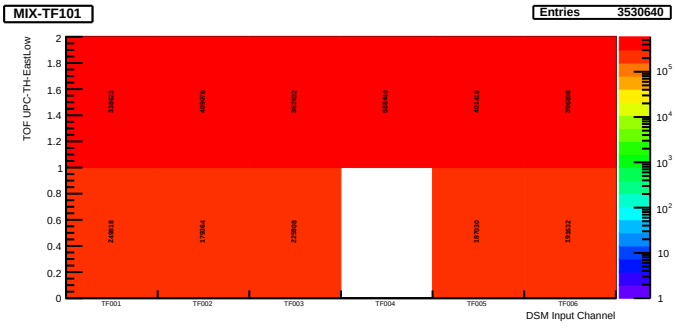

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

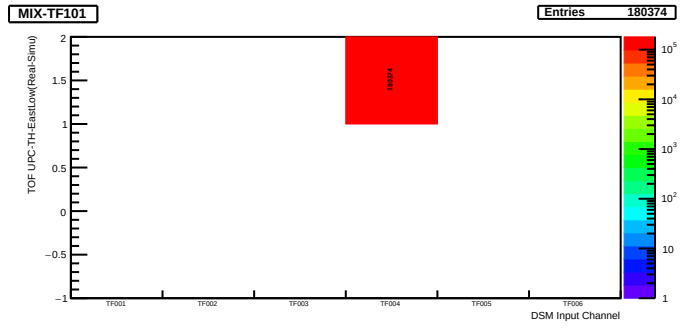

MIX-TF101
Entries 3530640
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

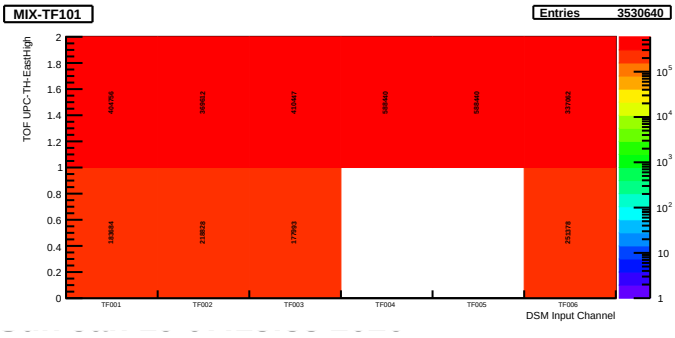

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

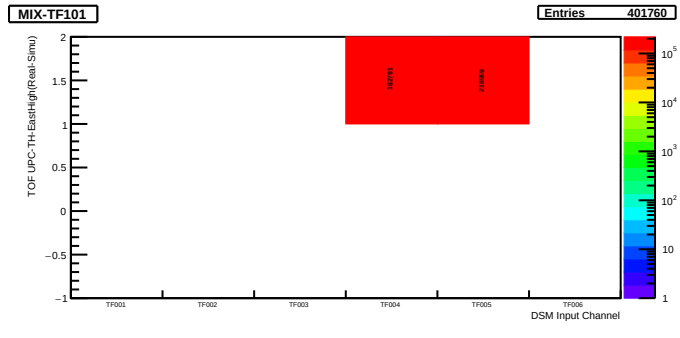

MIX-TF101
Entries 3530640
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

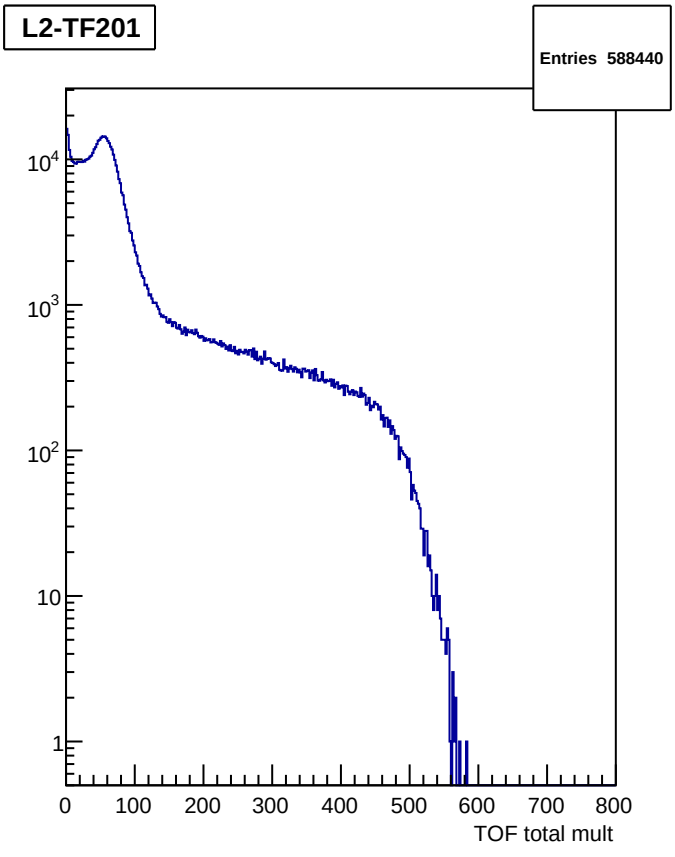

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

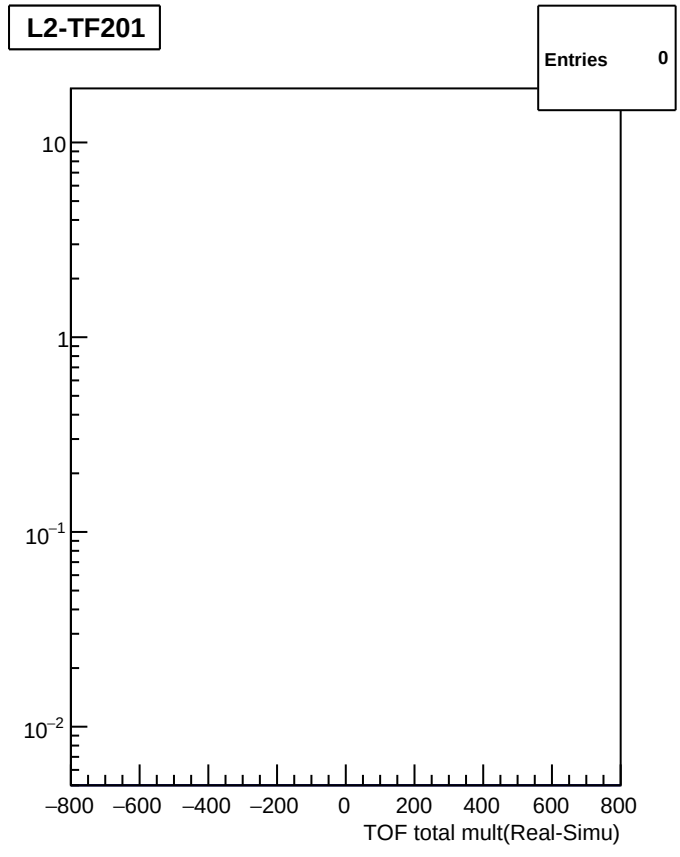

MIX-TF101
Entries 3530640
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

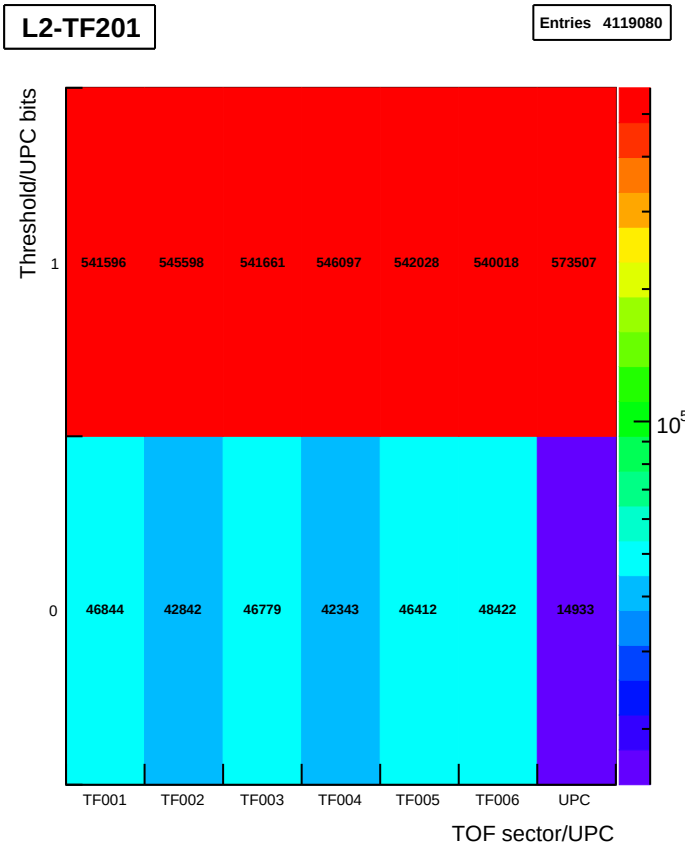

MIX-TF101
Entries 180374
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

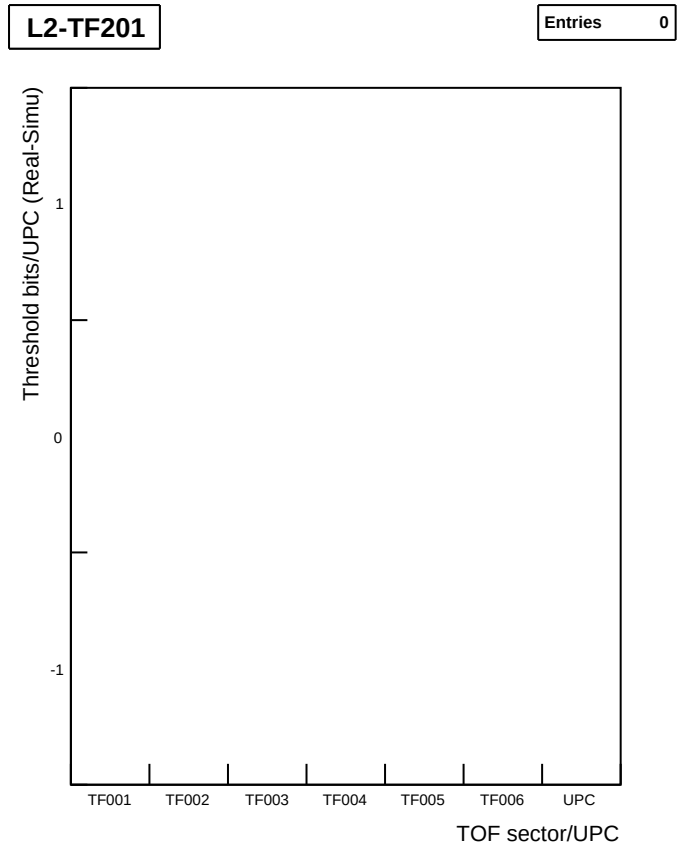

MIX-TF101
Entries 3530640
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

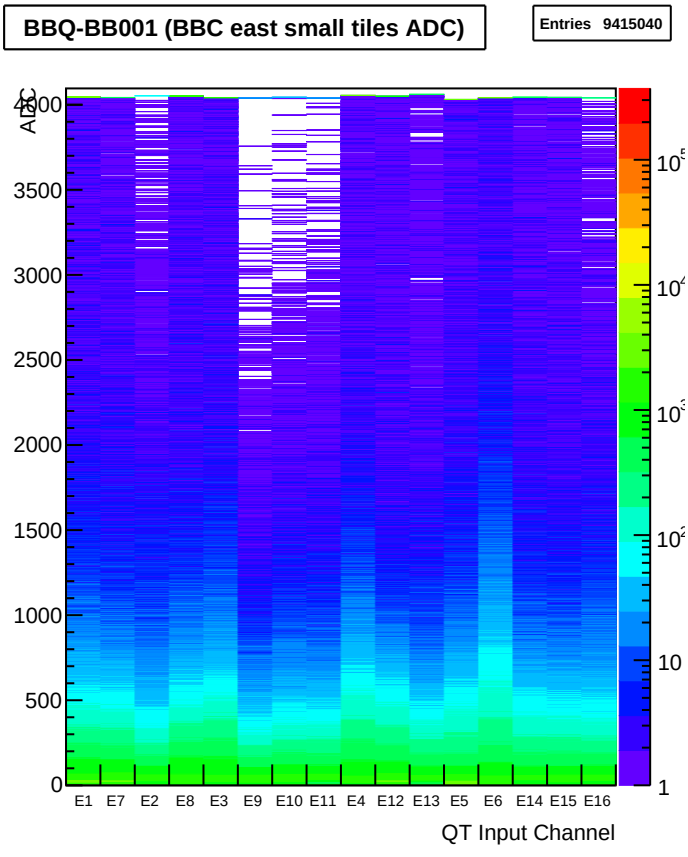

MIX-TF101
Entries 401760
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

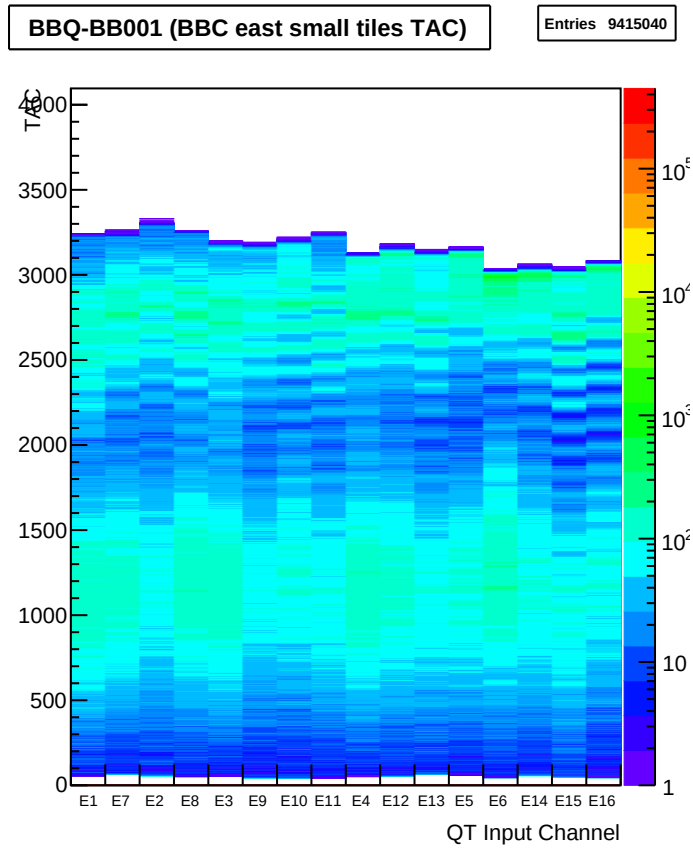

L2-TF201
Entries 588440
TOF total mult

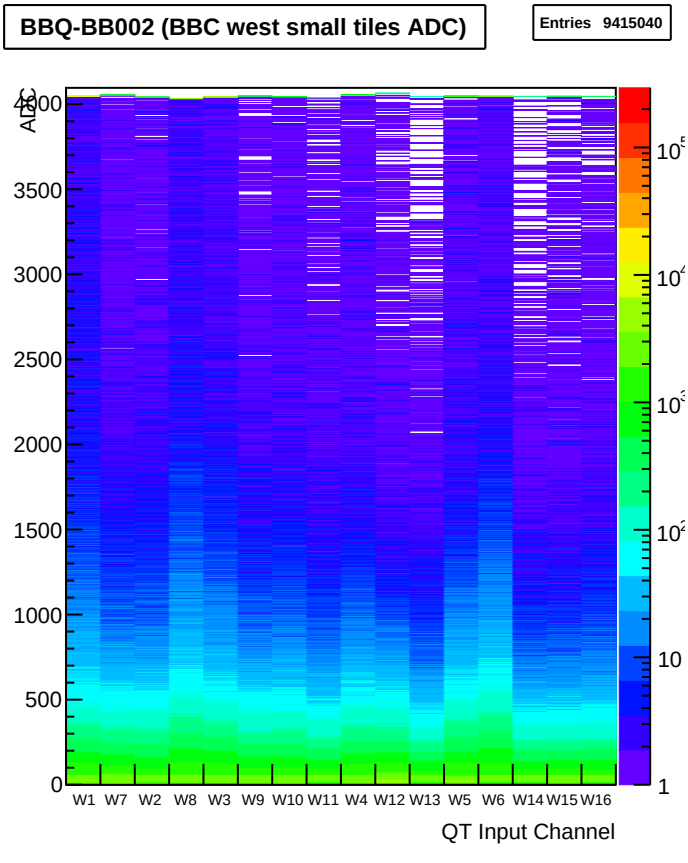

L2-TF201
Entries 0
TOF total mult(Real-Simu)

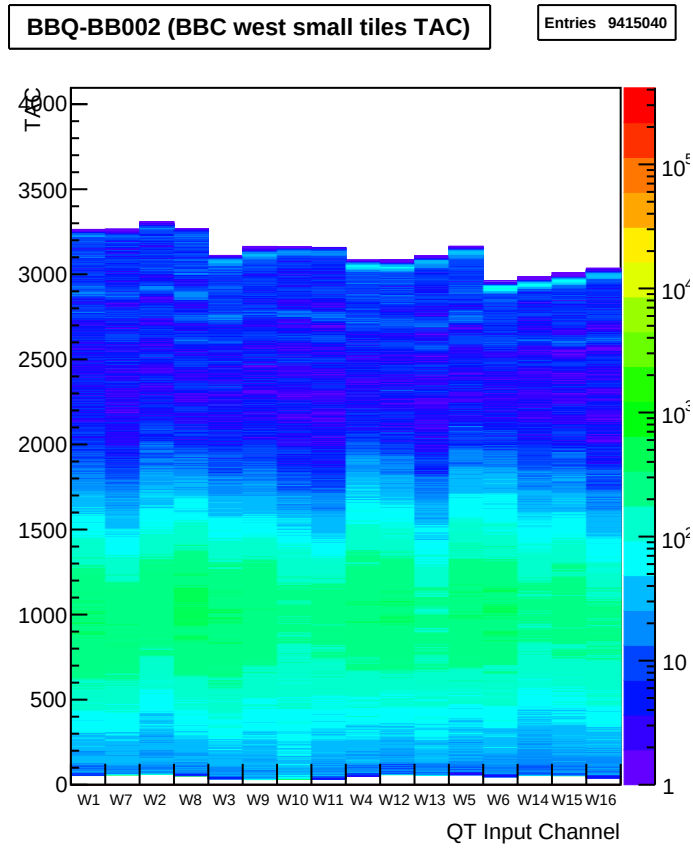

L2-TF201
Entries 4119080
Threshold/UPC bits
541596
545598
541661
546097
542028
540018
573507
46844
42842
46779
42343
46412
48422
14933
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

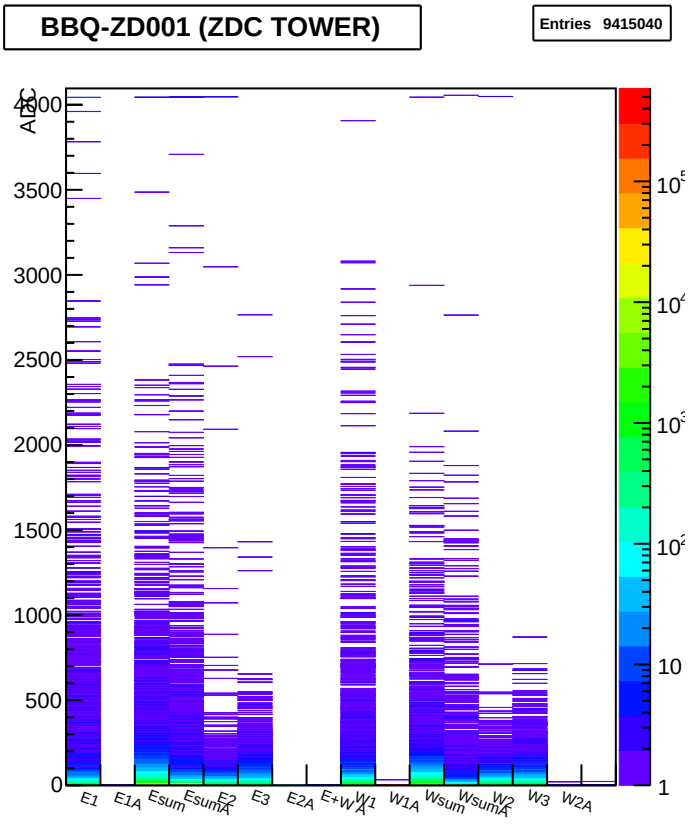

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

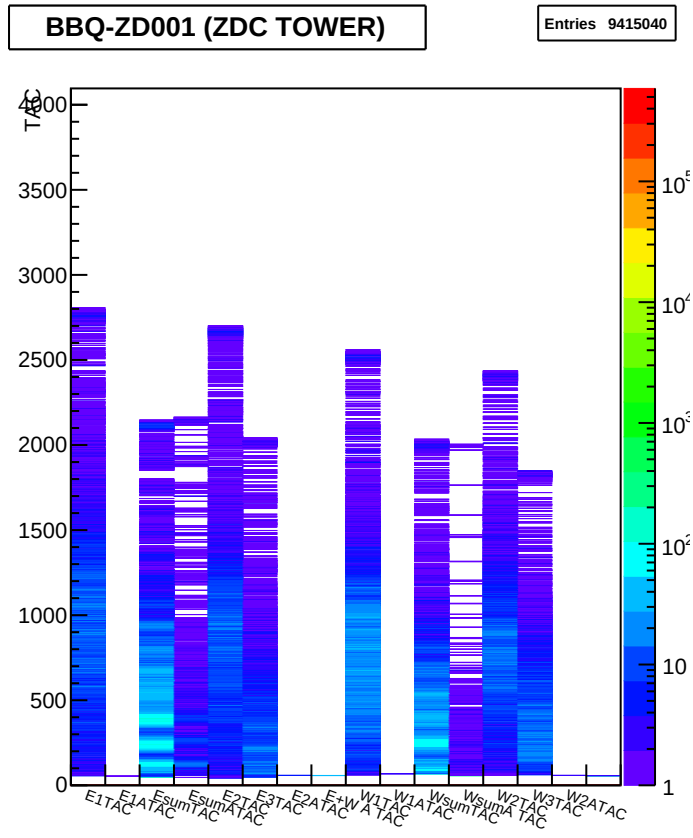

BBQ-BB001 (BBC east small tiles ADC)
Entries 9415040
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

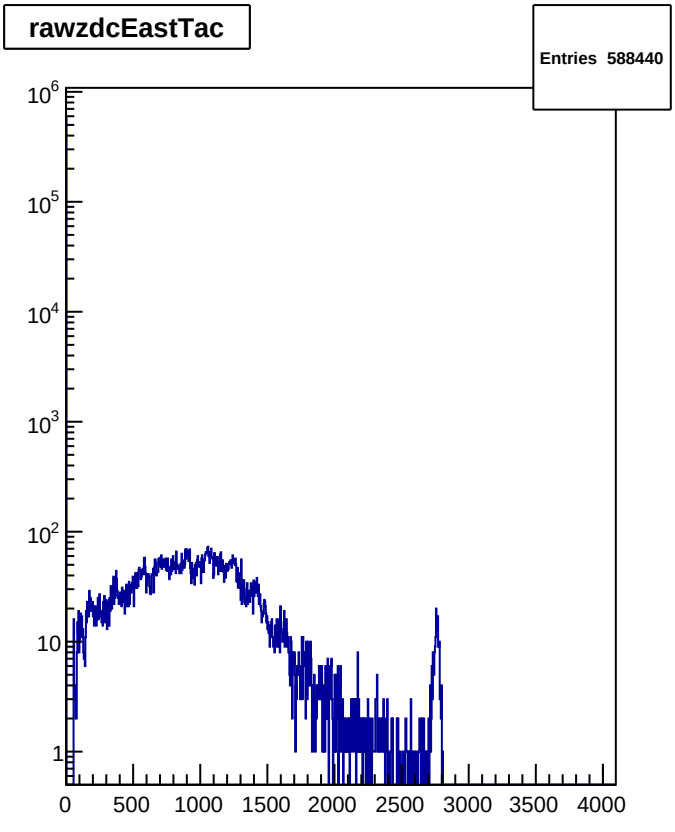

BBQ-BB001 (BBC east small tiles TAC)
Entries 9415040
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

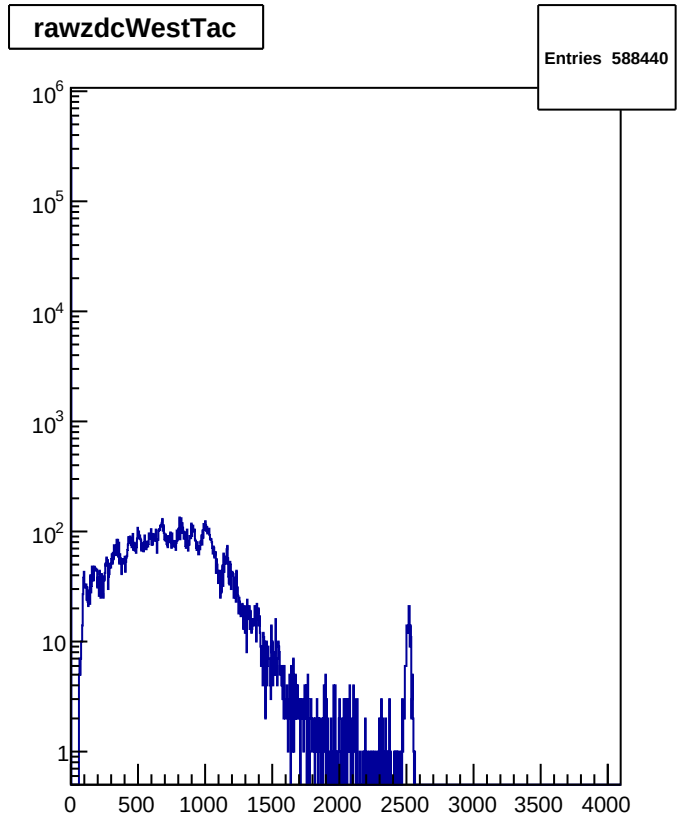

BBQ-BB002 (BBC west small tiles ADC)
Entries 9415040
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

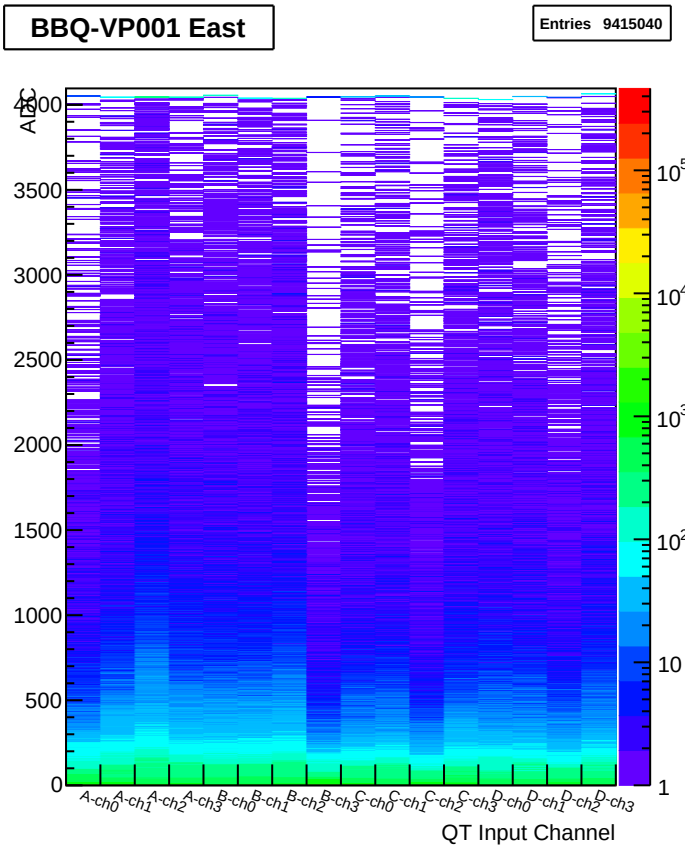

BBQ-BB002 (BBC west small tiles TAC)
Entries 9415040
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

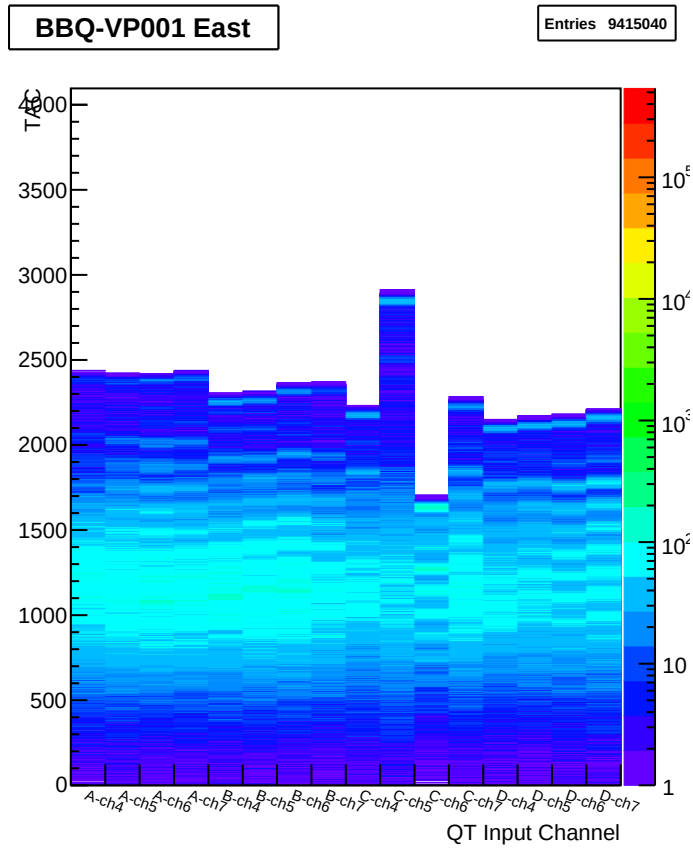

BBQ-ZD001 (ZDC TOWER)
Entries 9415040
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1A
W1A
Wsum
WsumA
W2
W3
W2A

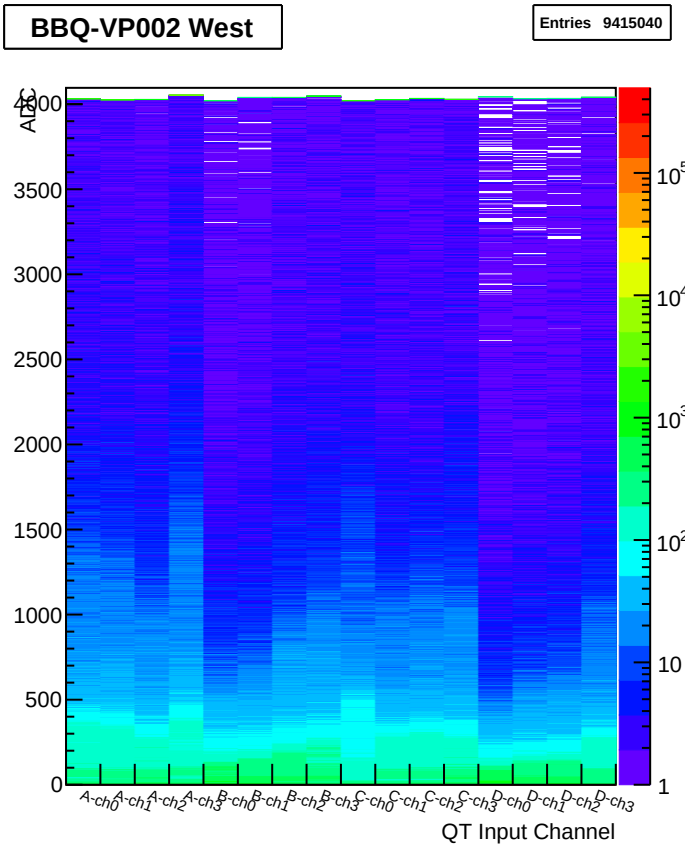

BBQ-ZD001 (ZDC TOWER)
Entries 9415040
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

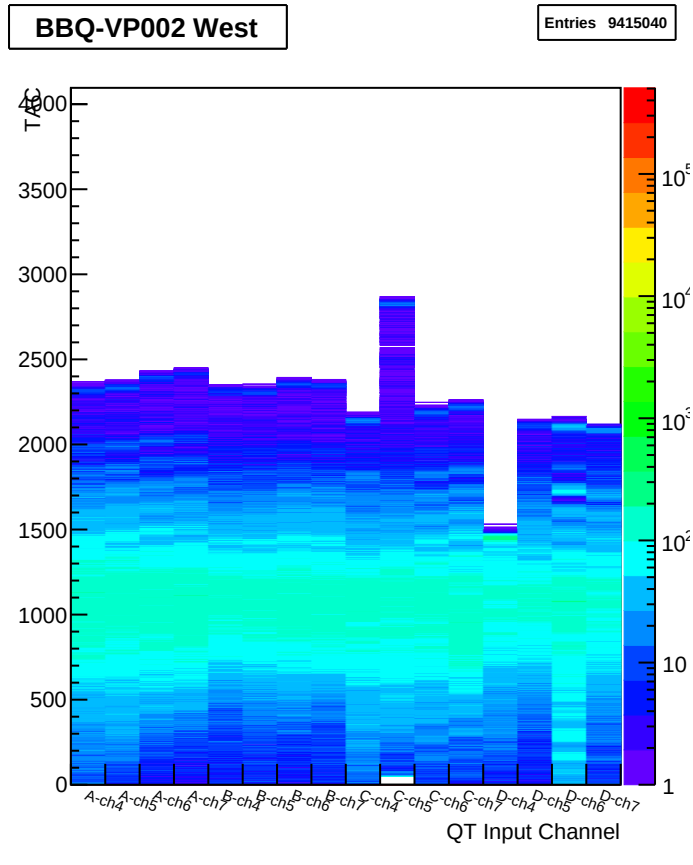

rawzdcEastTac
Entries 588440

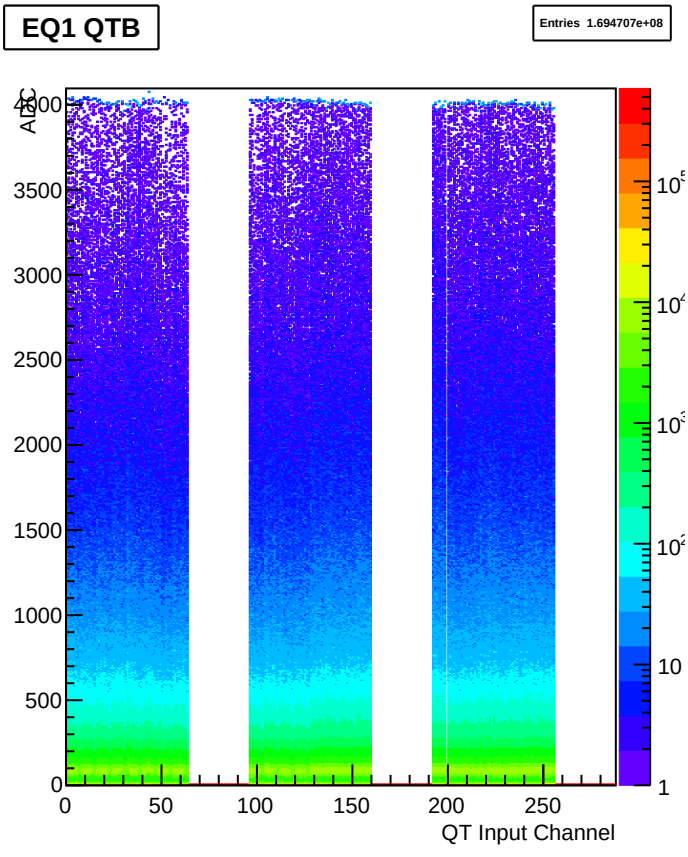

rawzdcWestTac
Entries 588440

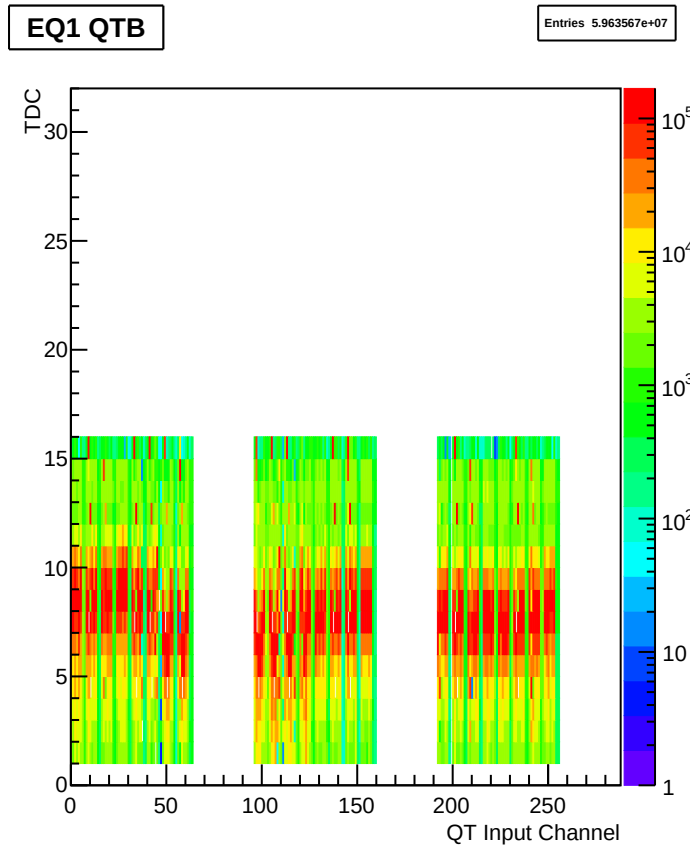

BBQ-VP001 East
Entries 9415040
ADC
QT Input Channel

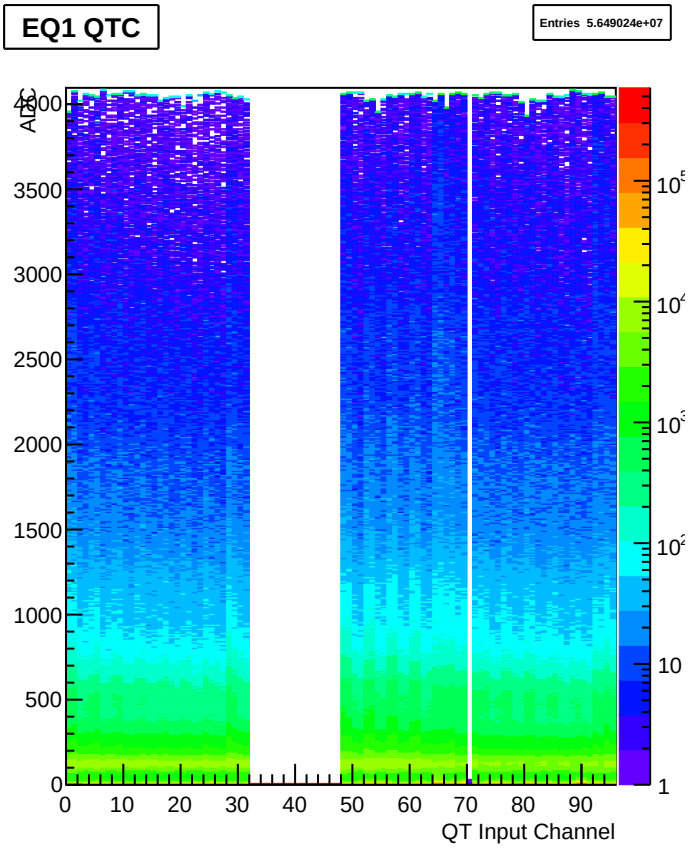

BBQ-VP001 East
Entries 9415040
TADC
QT Input Channel

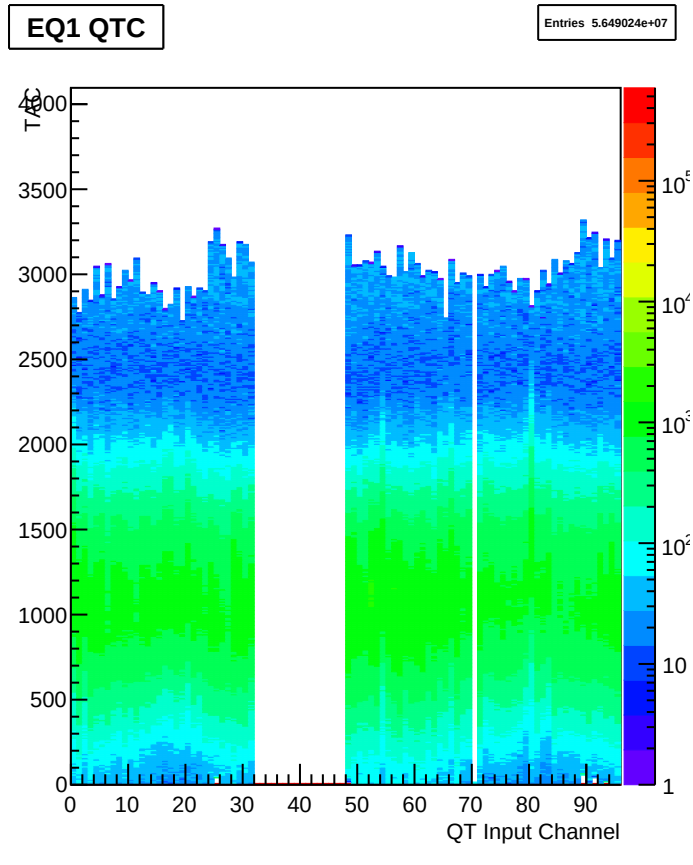

BBQ-VP002 West
Entries 9415040
ADC
QT Input Channel

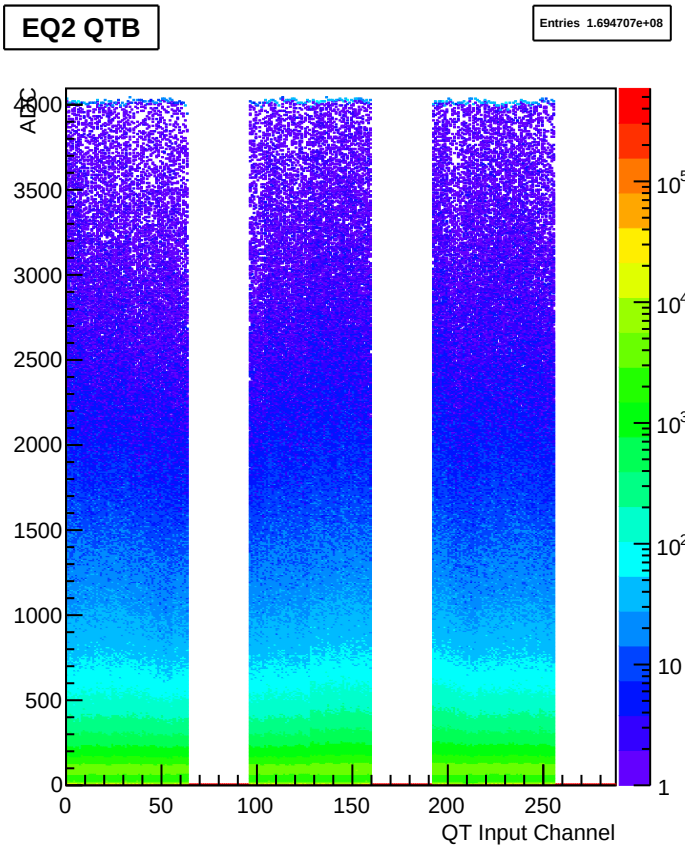

BBQ-VP002 West
Entries 9415040
TADC
QT Input Channel

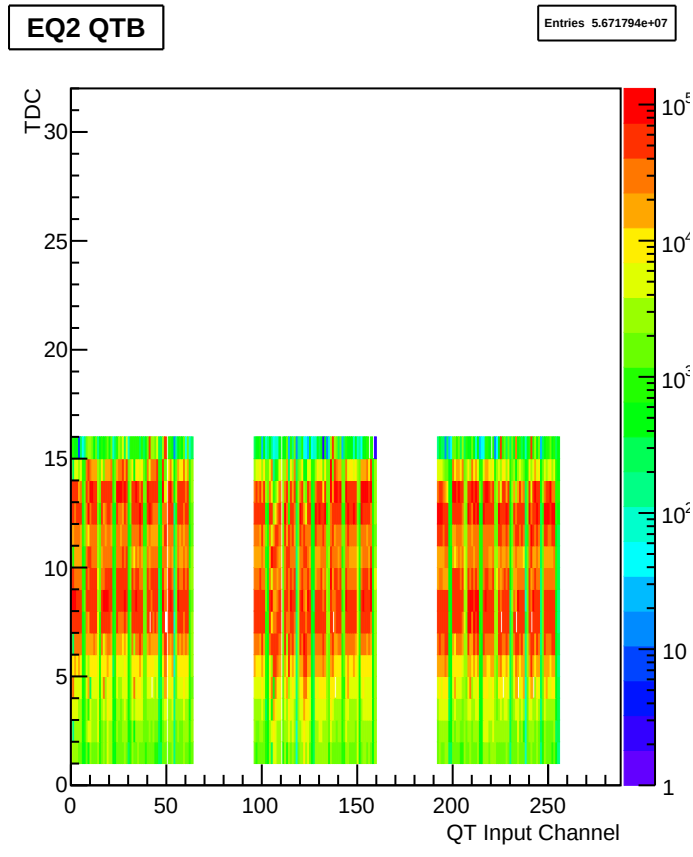

EQ1 QTB
Entries 1.694707e+08
ADC
QT Input Channel

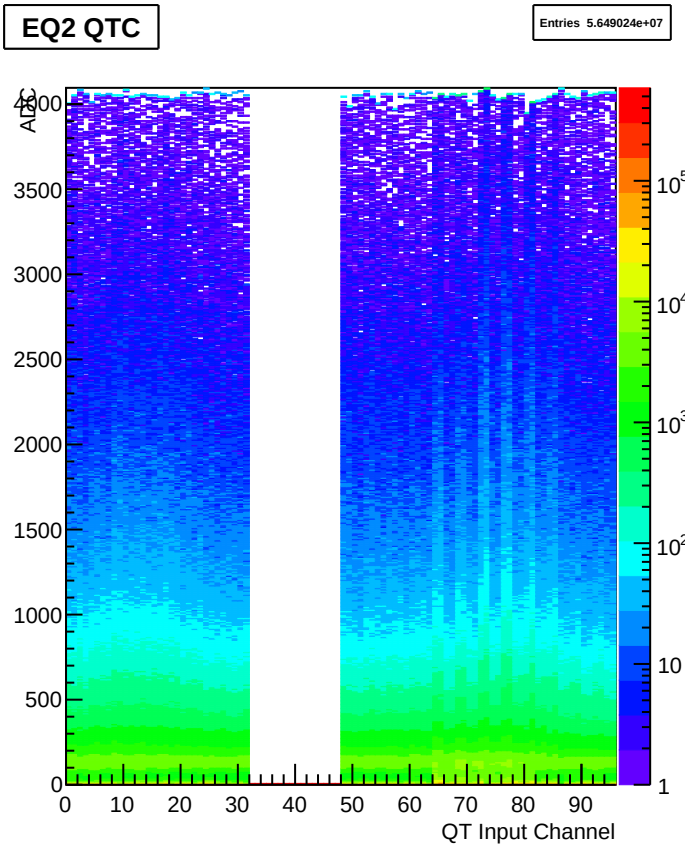

EQ1 QTB
Entries 5.963567e+07
TDC
QT Input Channel

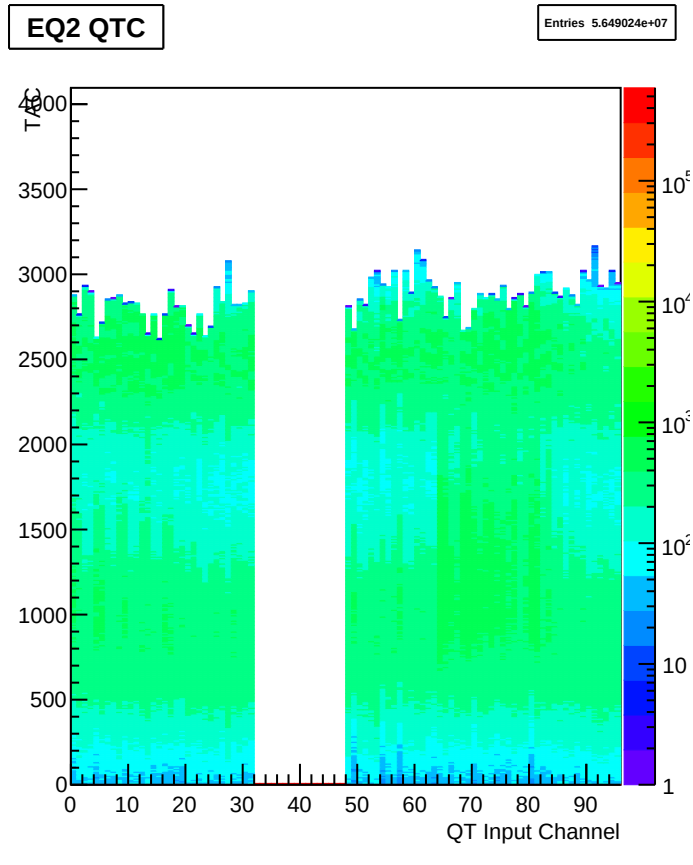

EQ1 QTC
Entries 5.649024e+07
ADC
QT Input Channel

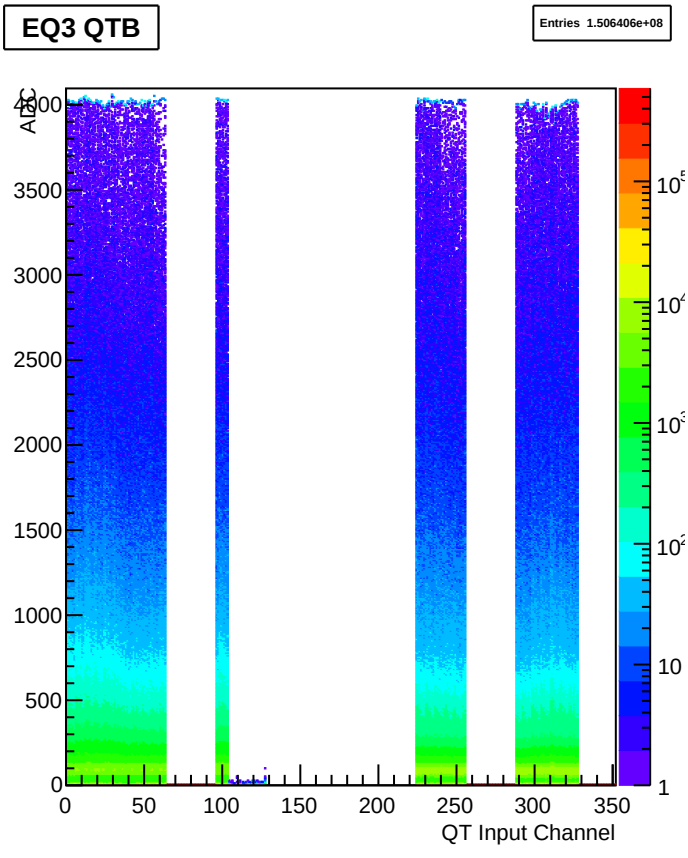

EQ1 QTC
Entries 5.649024e+07
TADC
QT Input Channel

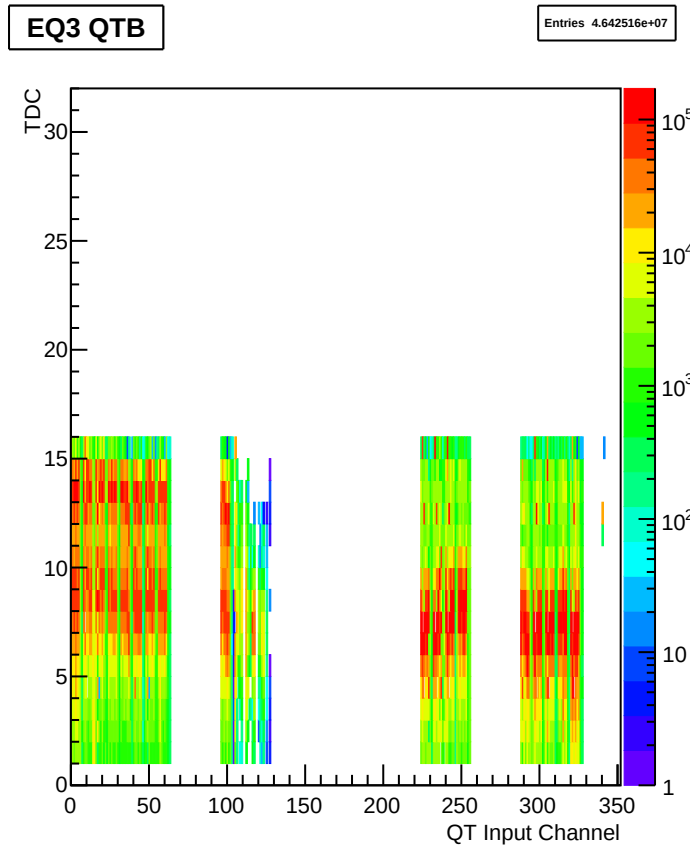

EQ2 QTB
Entries 1.694707e+08
ADC
QT Input Channel

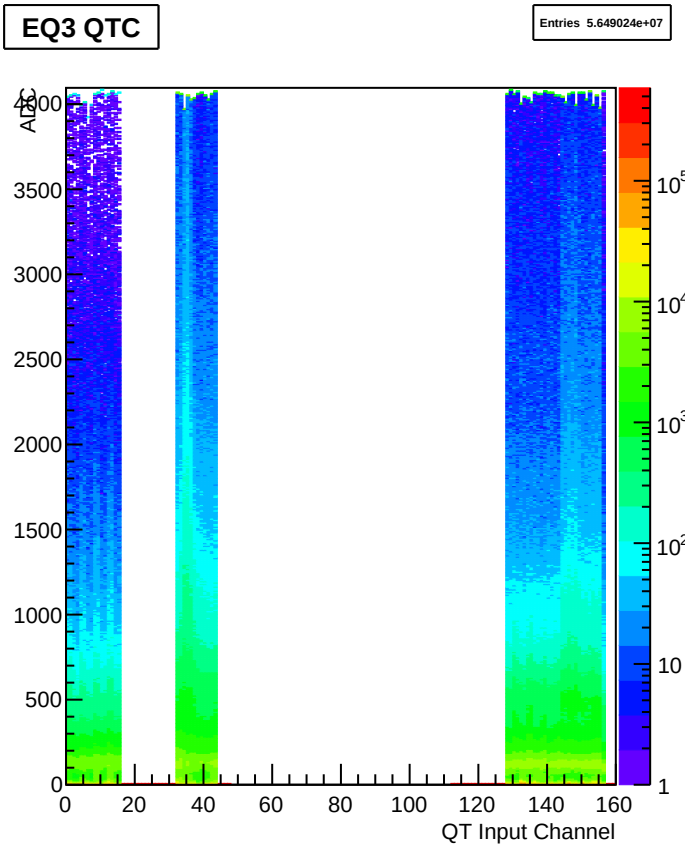

EQ2 QTB
Entries 5.671794e+07
TDC
QT Input Channel


EQ2 QTC
Entries 5.649024e+07
ADC
QT Input Channel


EQ2 QTC
Entries 5.649024e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.506406e+08
ADC
QT Input Channel


EQ3 QTB
Entries 4.642516e+07
TDC
QT Input Channel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Entries 5.649024e+07
ADC
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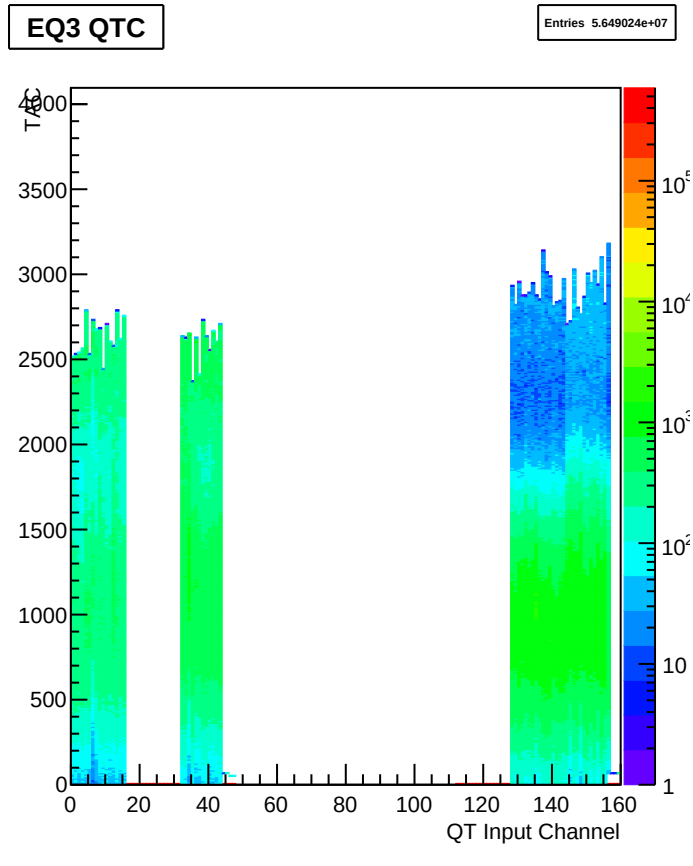
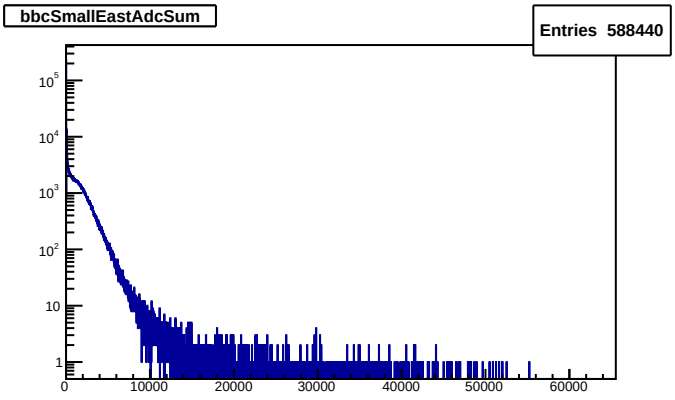
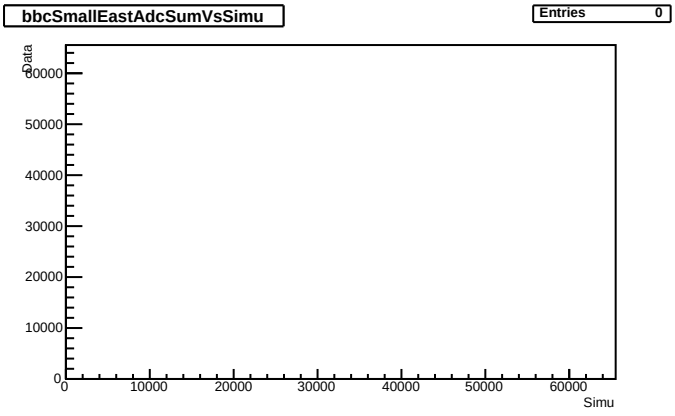
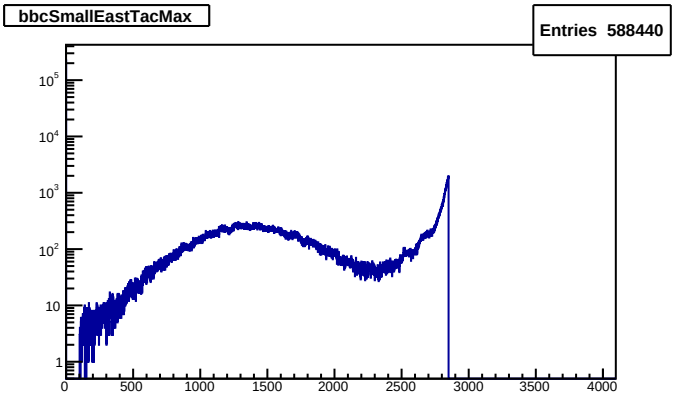

EQ3 QTC
Entries 5.649024e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 588440


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu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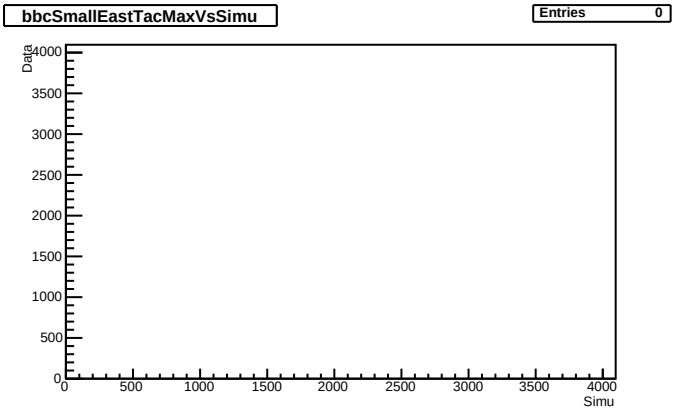
Entries 588440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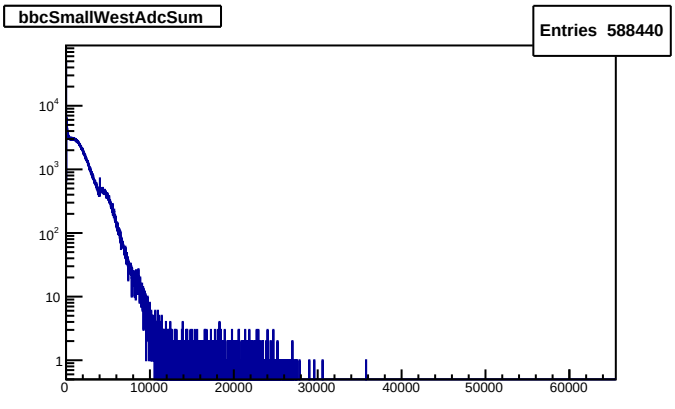
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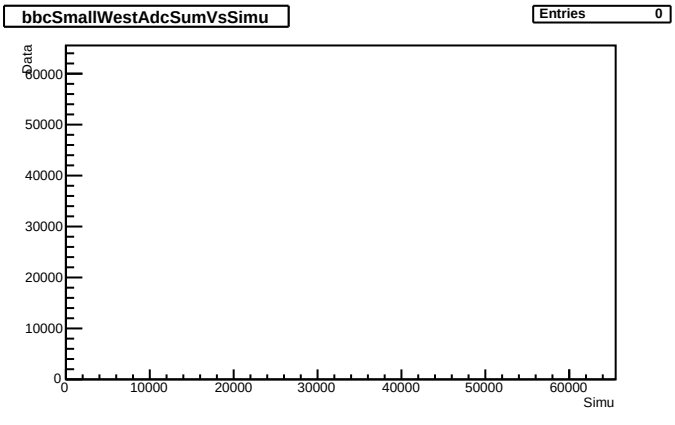
Entries 588440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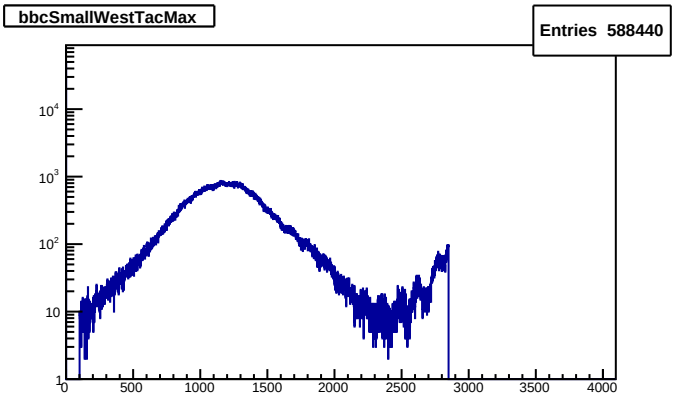
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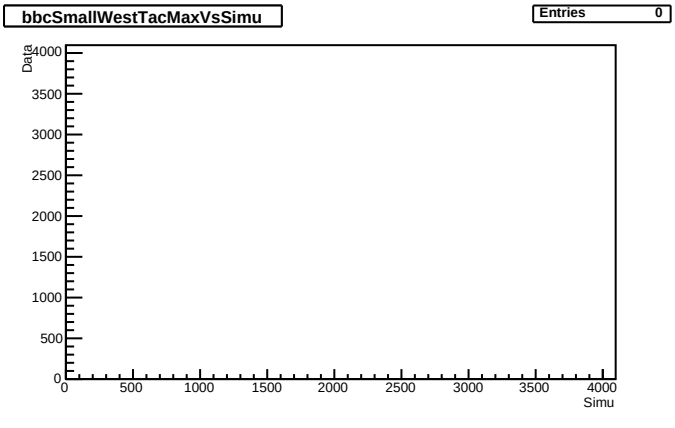
Entries 588440


bbcSmallWestTacMaxVsSimu
Entries 0
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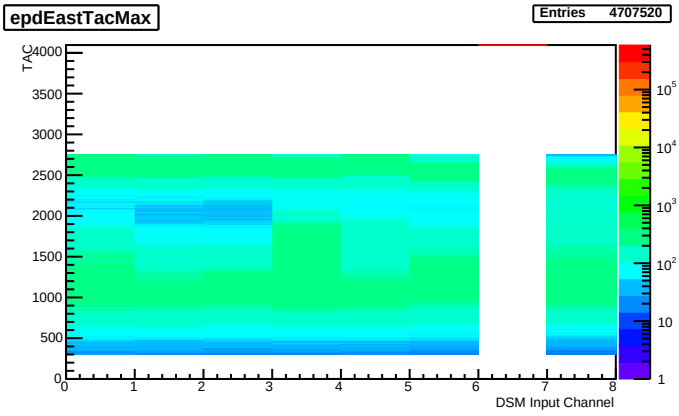
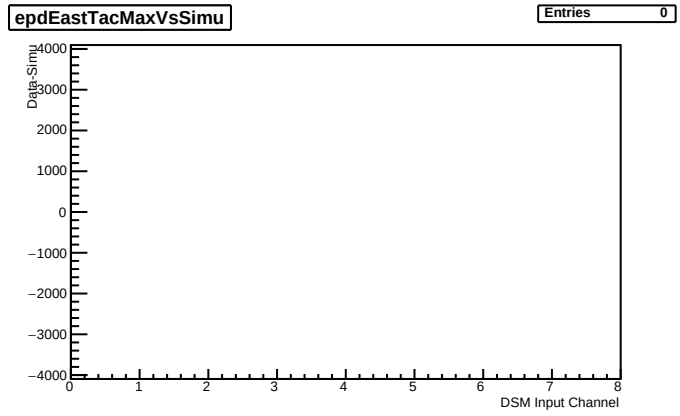
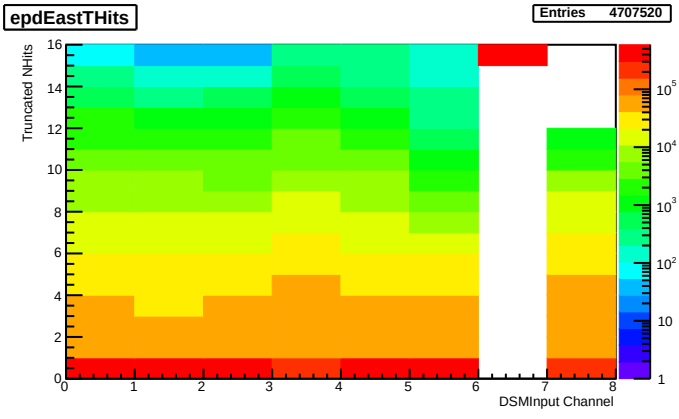
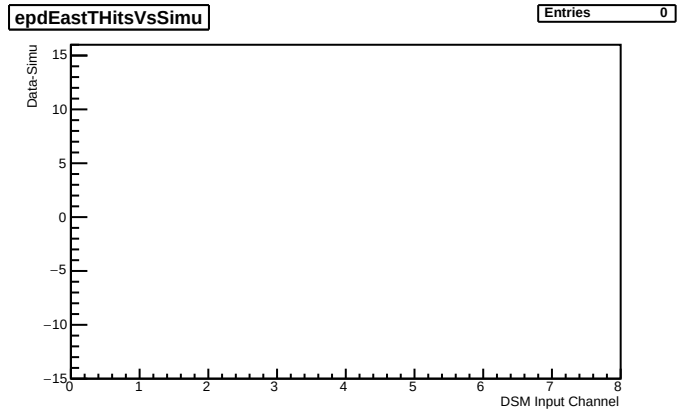
Simu


epdEastTacMax
Entries 4707520
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4707520
Truncated NHits
DSMInput Channel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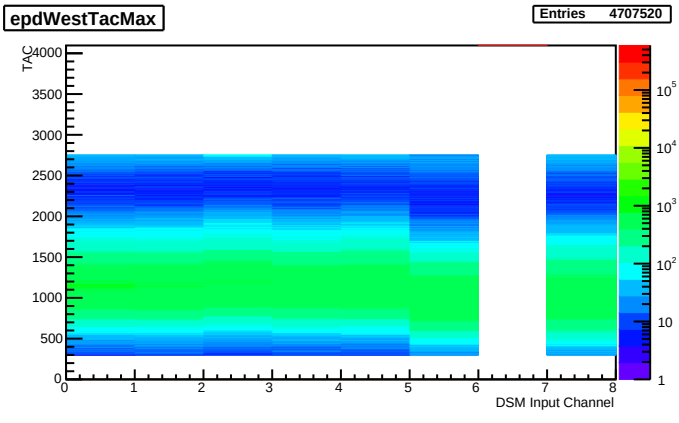
Data-Simu
DSM Input Channel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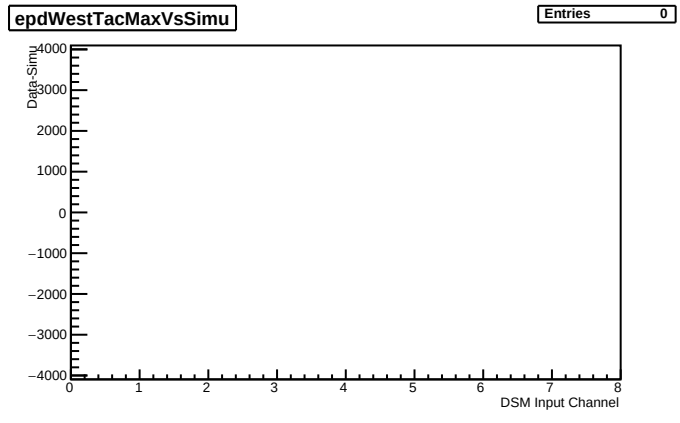
Entries 4707520
TAC
DSM Input Channel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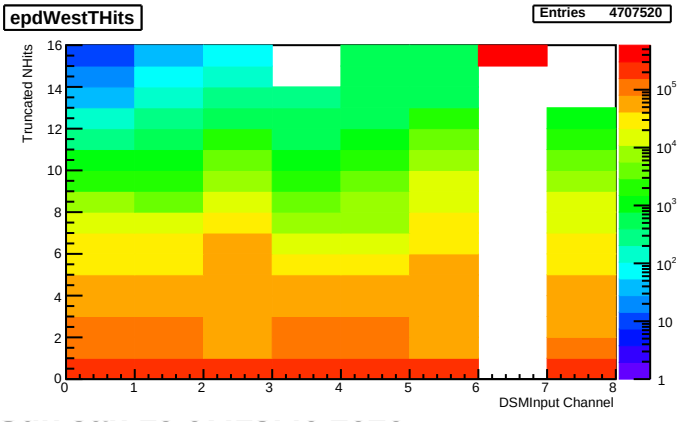
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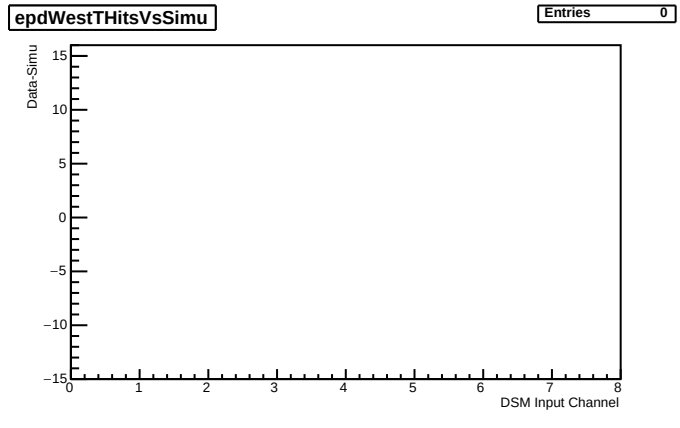
Entries 4707520
Truncated NHits
DSMInput Channel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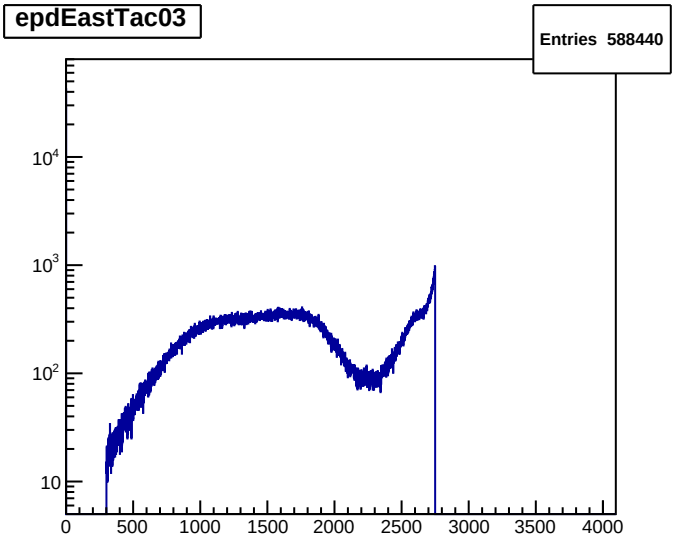
DSM Input Channel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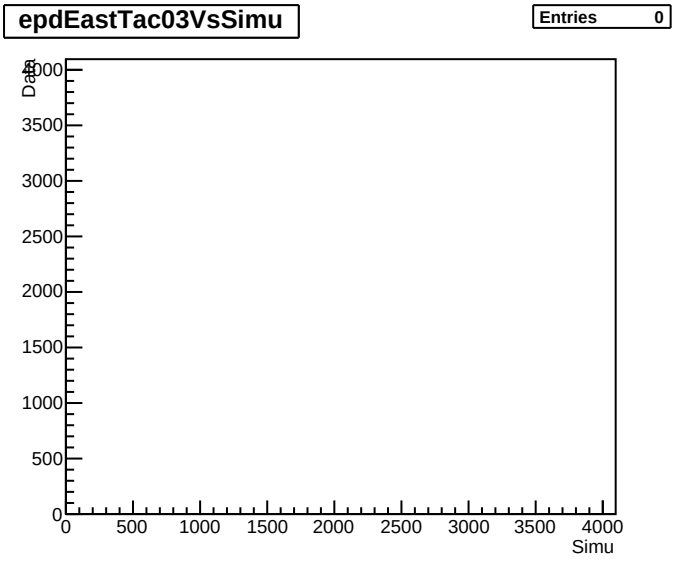
Entries 588440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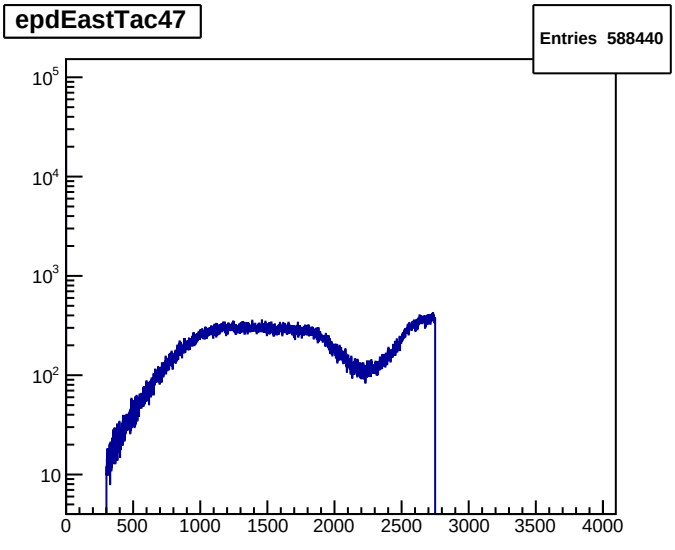
Entries 0
Data
Simu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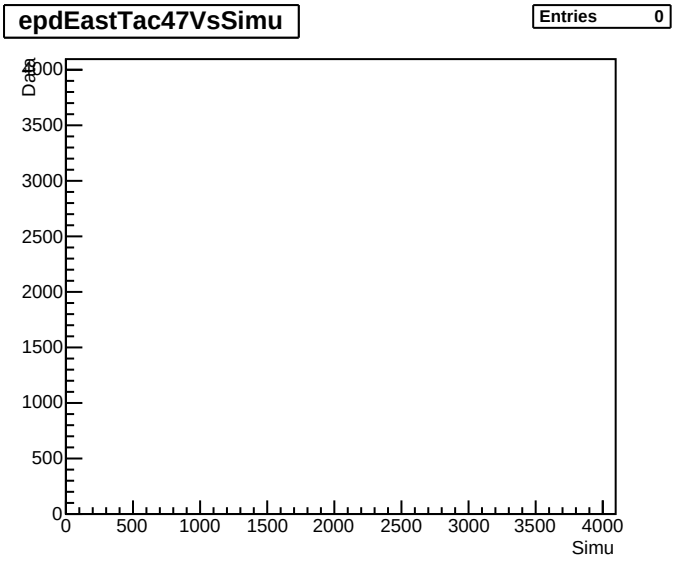
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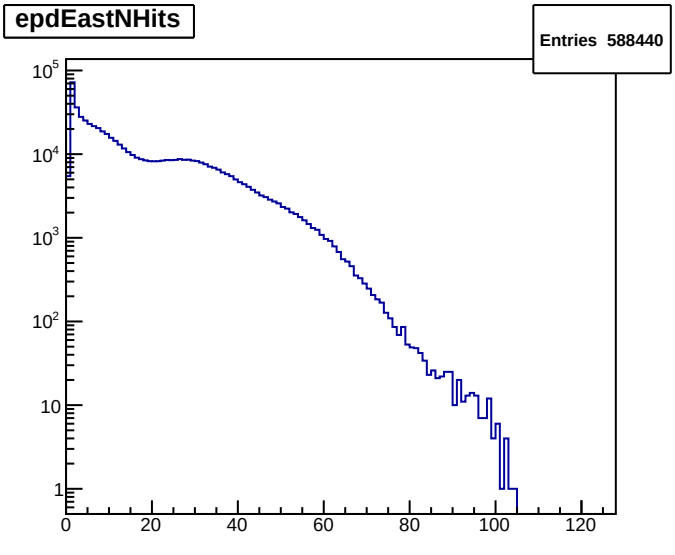
Entries 0
Data
Simu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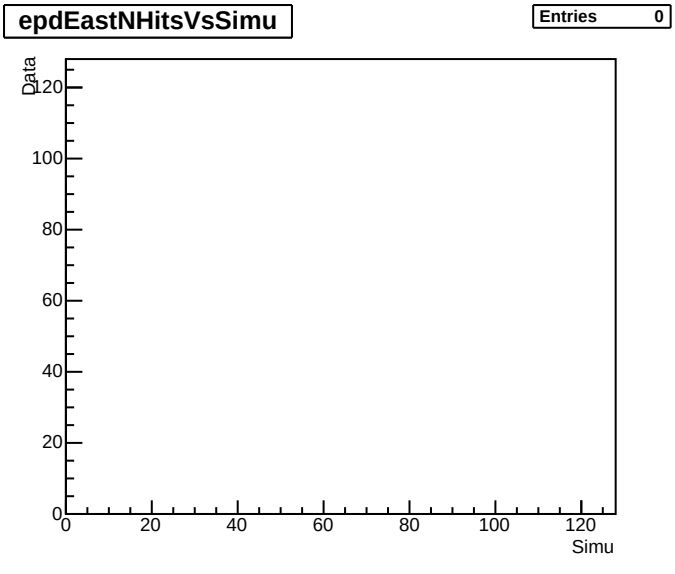
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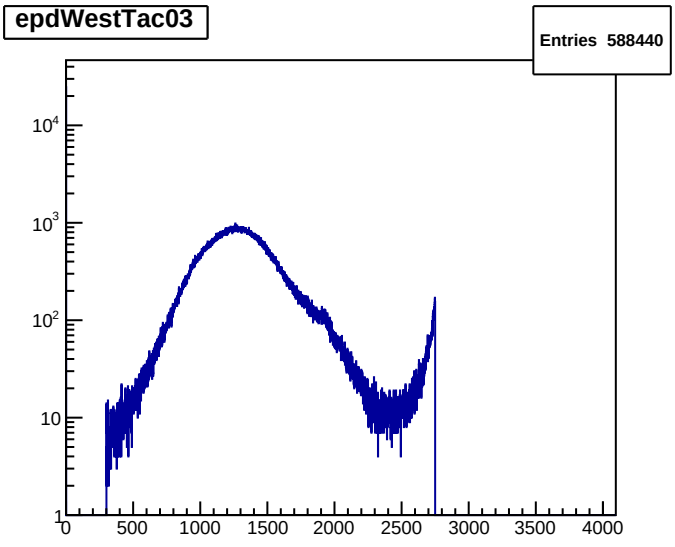
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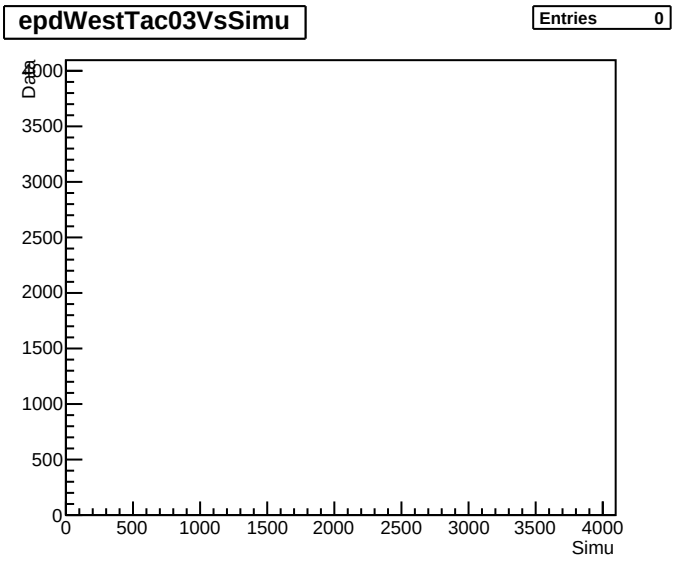
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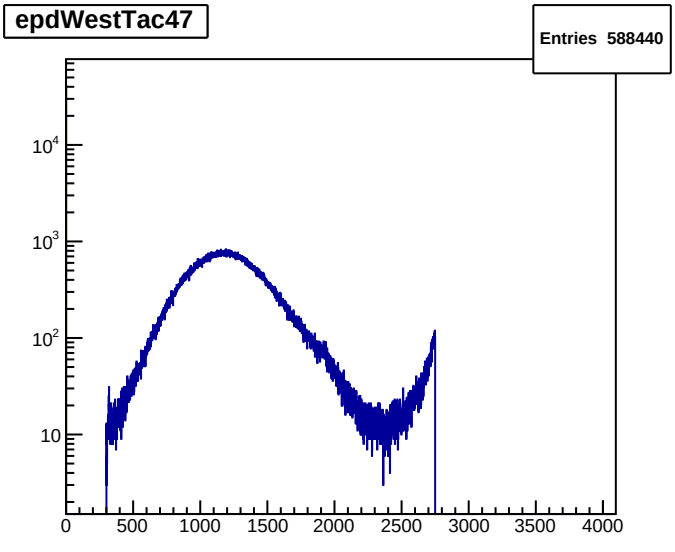
Simu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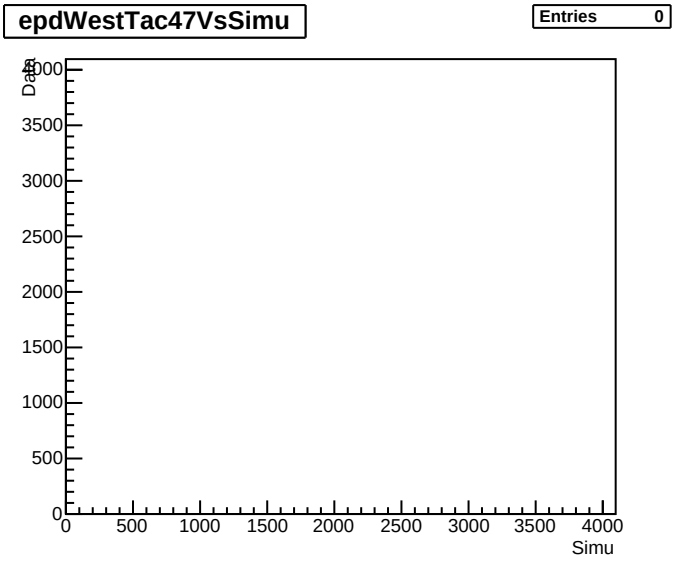
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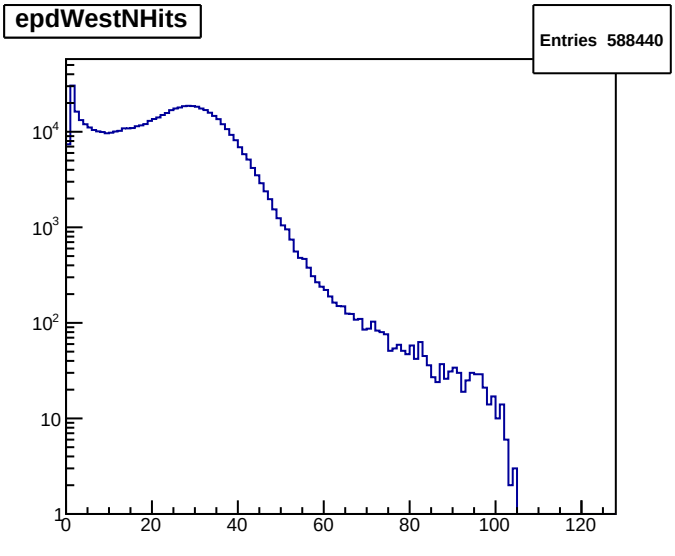
Entries 0
Data
Simu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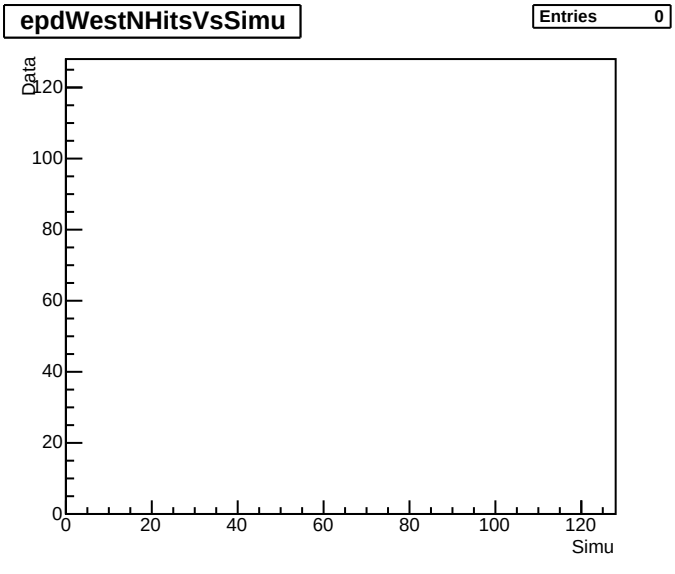
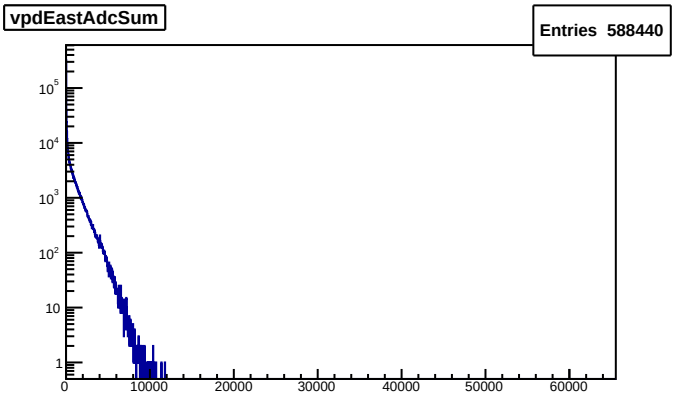
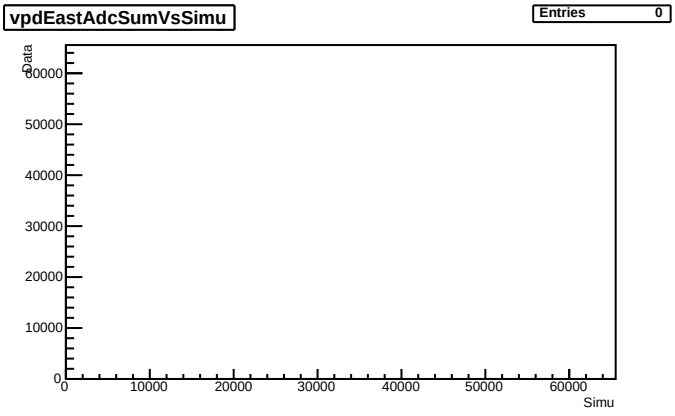
Entries 588440


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 588440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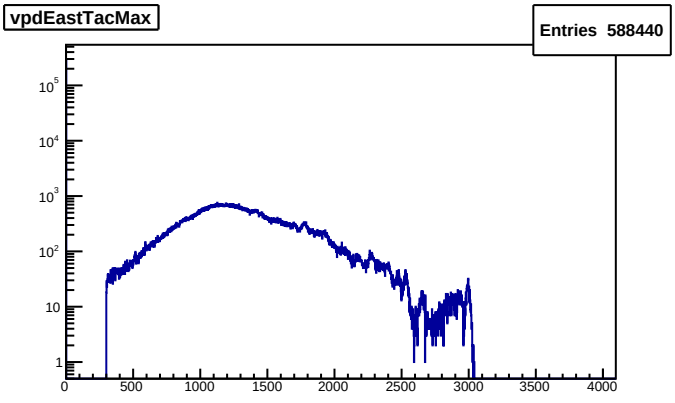
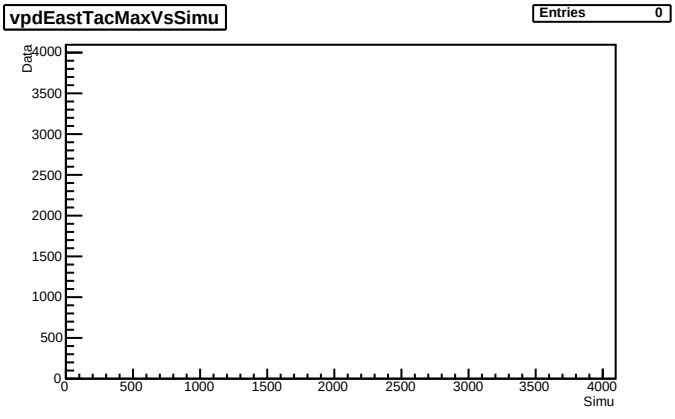
Entries 0
Data
Simu


vpdEastTacMax
Entries 588440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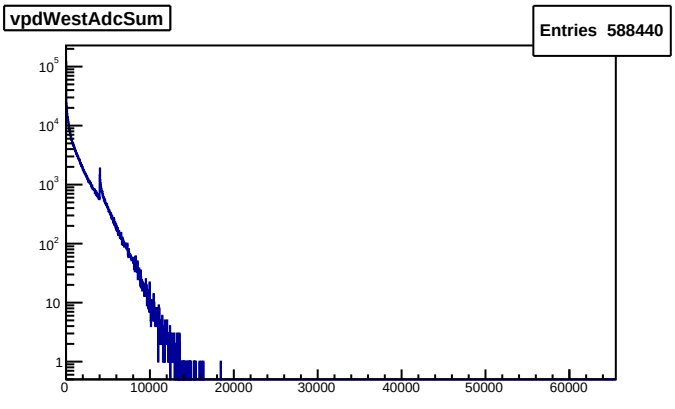
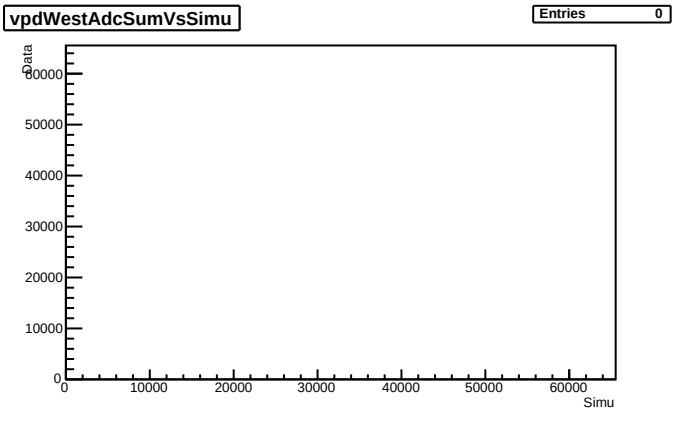
Entries 0
Data
Simu


vpdWestAdcSum
Entries 588440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Entries 0
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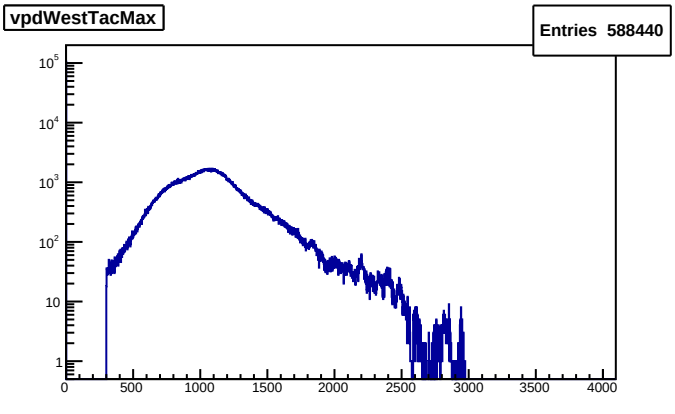
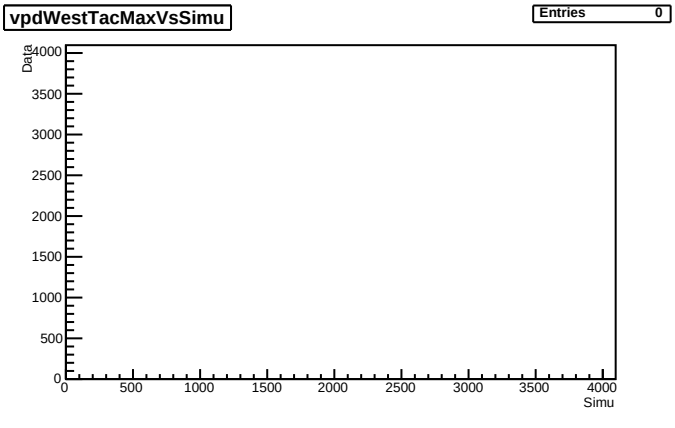

vpdWestTacMax
Entries 588440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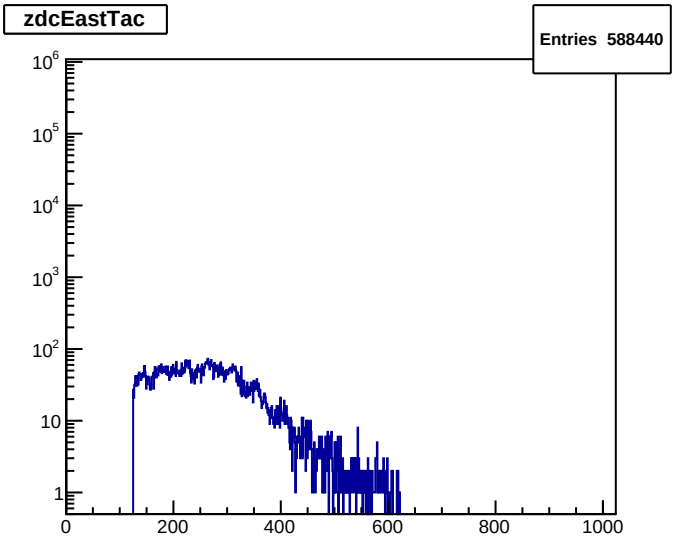
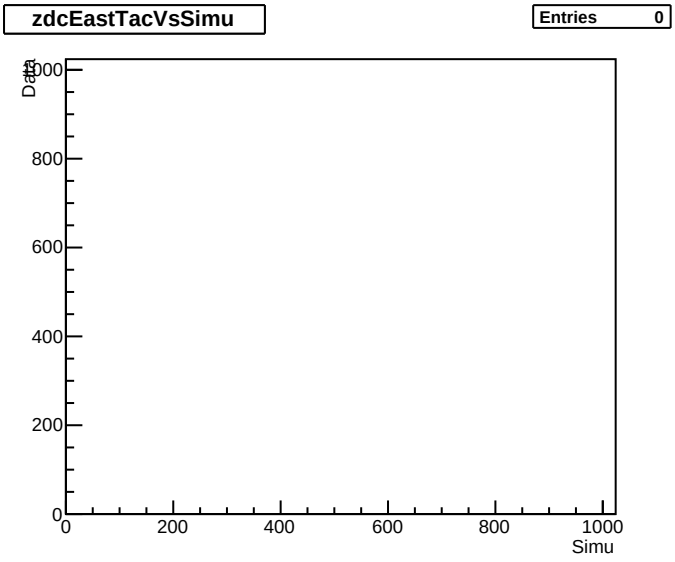
Entries 0
Data
Simu


zdcEastTac
Entries 588440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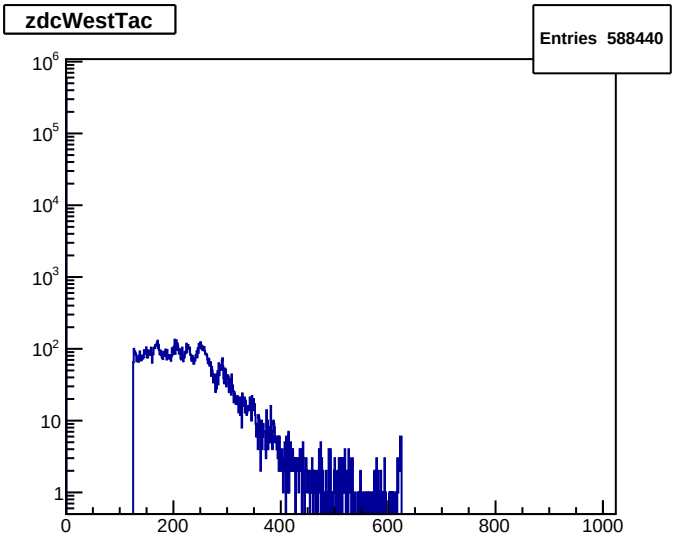
Entries 0
Data
Simu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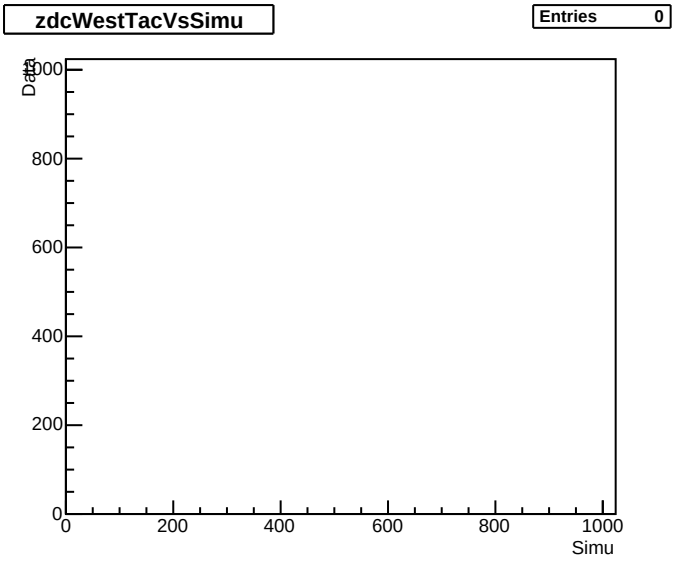
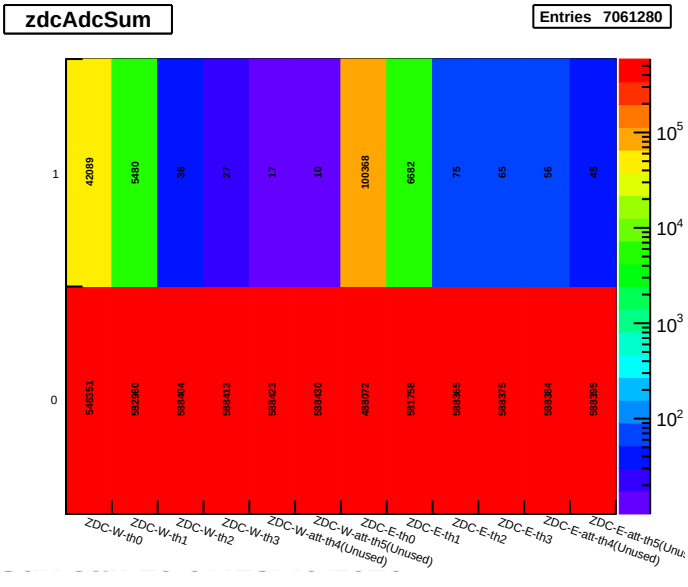
Entries 588440


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 7061280
42089
5480
36
27
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100368
6682
75
65
56
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546351
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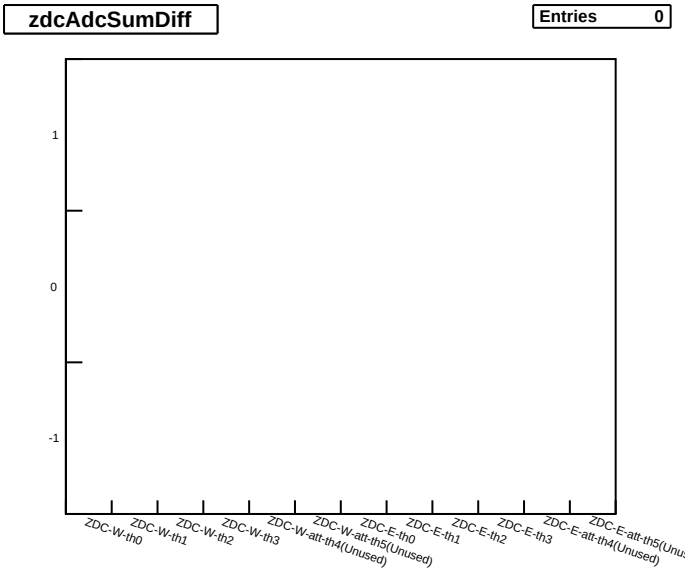
588404
588413
588423
588430
488072
581758
588365
588375
588384
588395
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)


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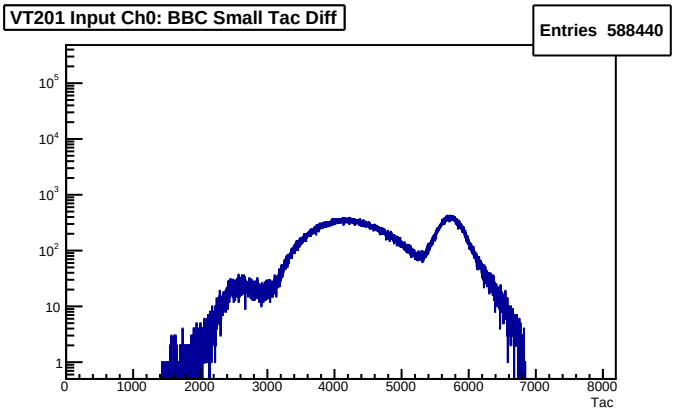
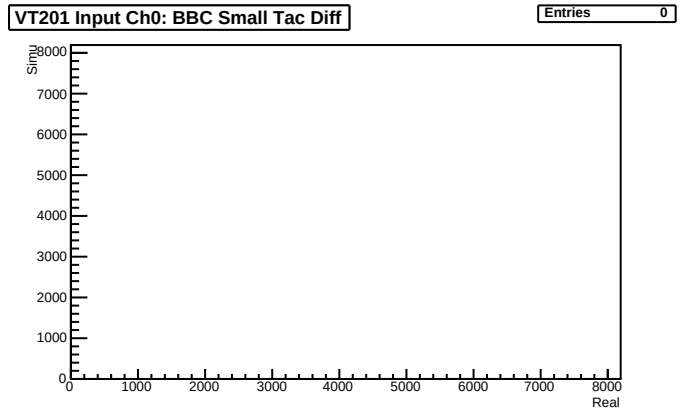
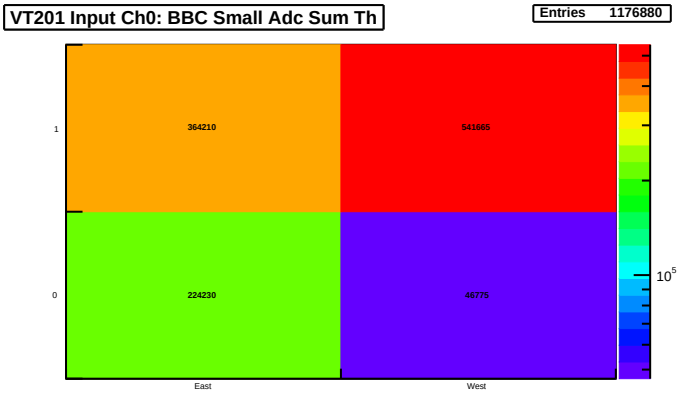
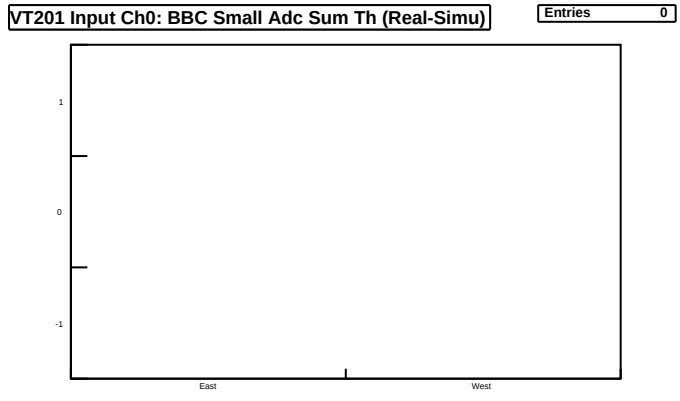
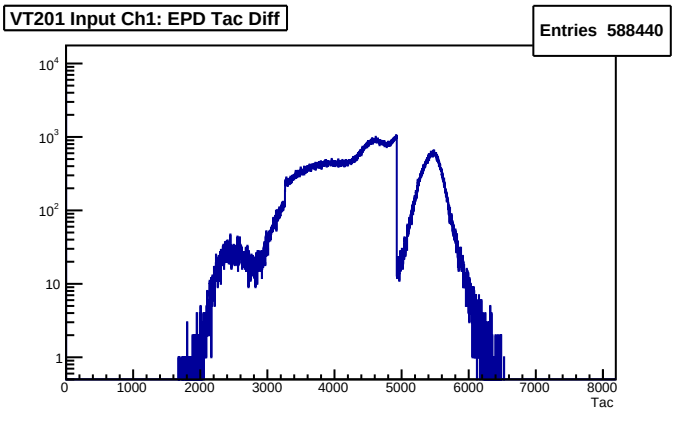
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

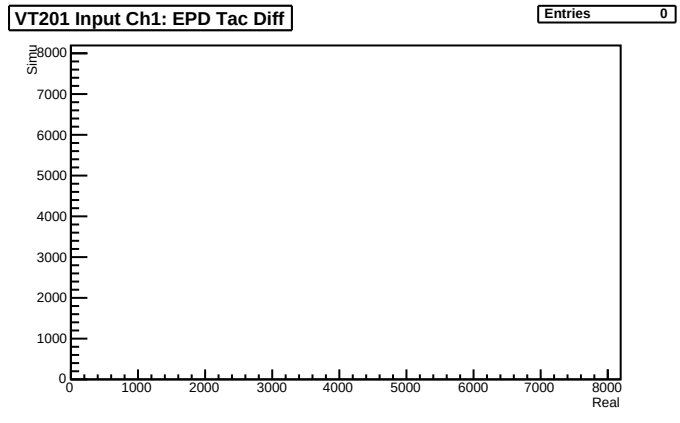

VT201 Input Ch0: BBC Small Tac Diff
Entries 588440
Tac

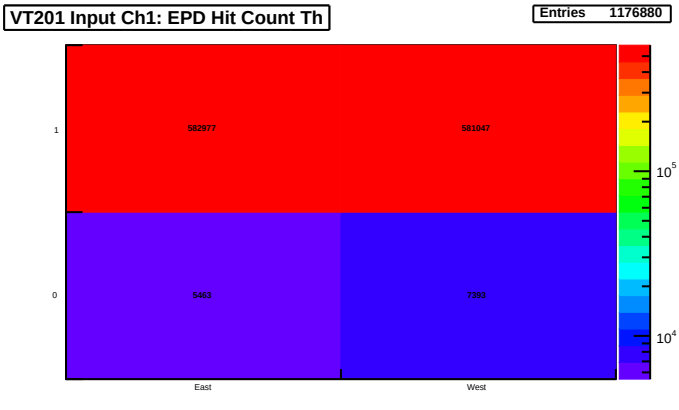

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

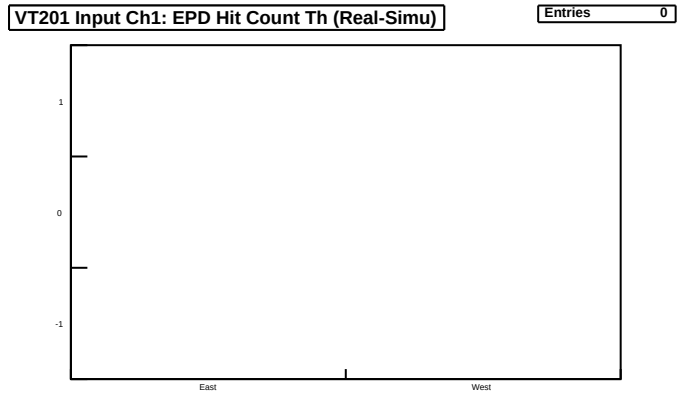

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1176880
364210
541665
224230
40775
East
West

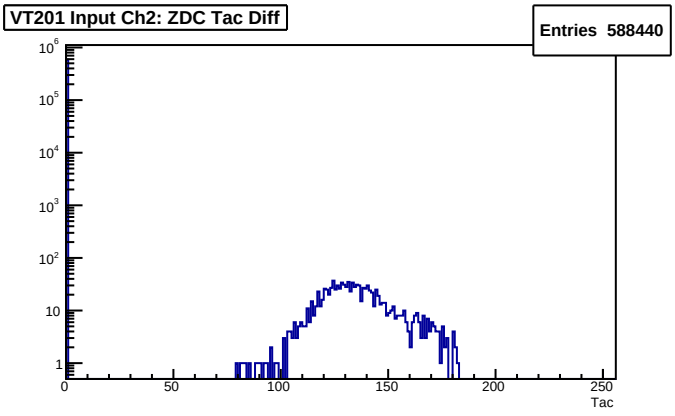

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

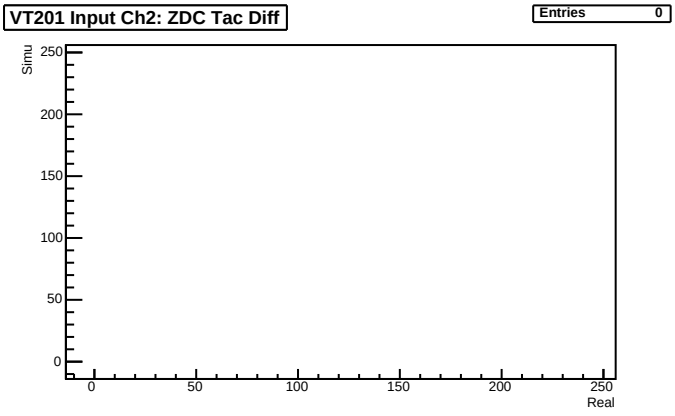

VT201 Input Ch1: EPD Tac Diff
Entries 588440
Tac

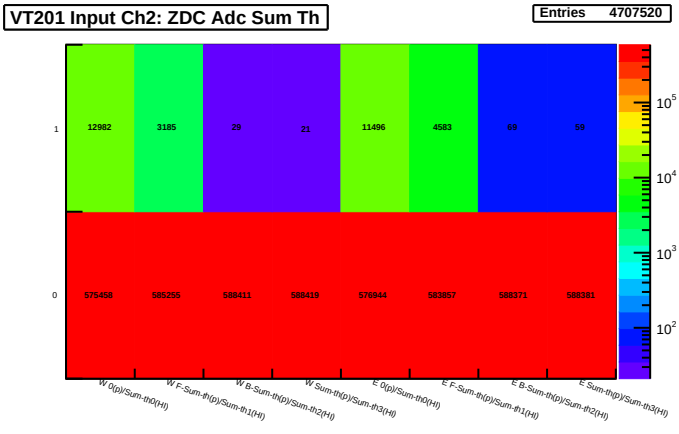

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

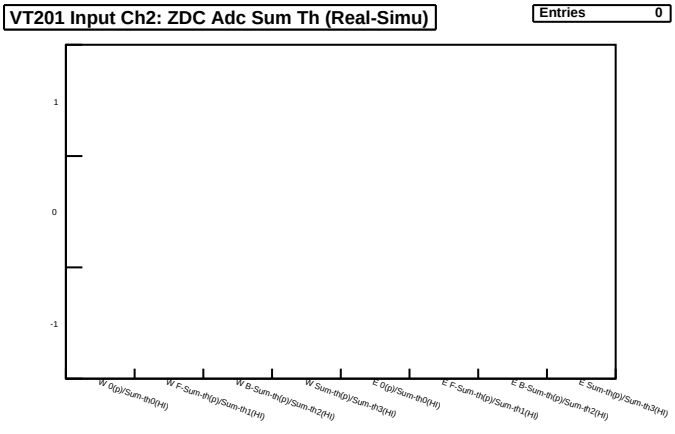

VT201 Input Ch1: EPD Hit Count Th
Entries 1176880
582977
581047
5463
7393
East
West

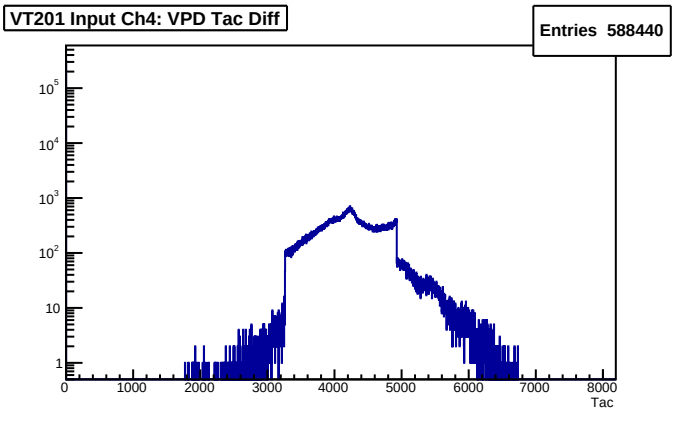

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

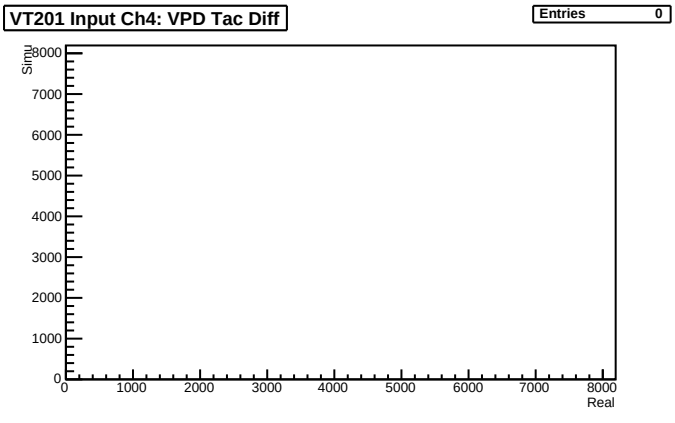

VT201 Input Ch2: ZDC Tac Diff
Entries 588440
Tac

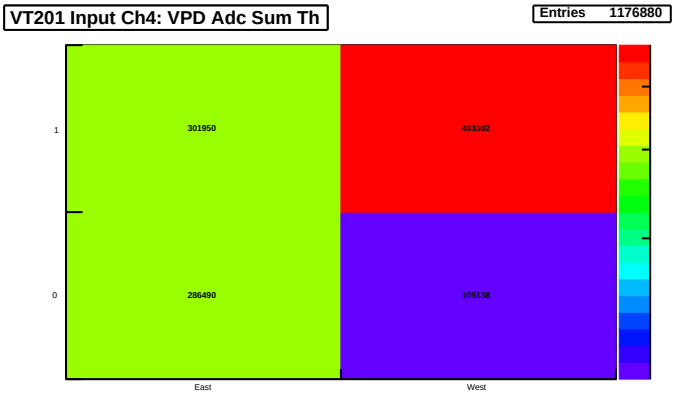

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

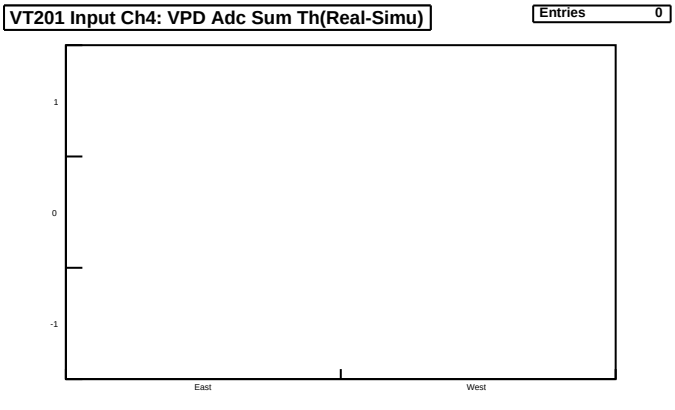

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4707520
12982
3185
29
21
11496
4583
69
59
575458
585255
588411
588419
576944
583857
588371
588381
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

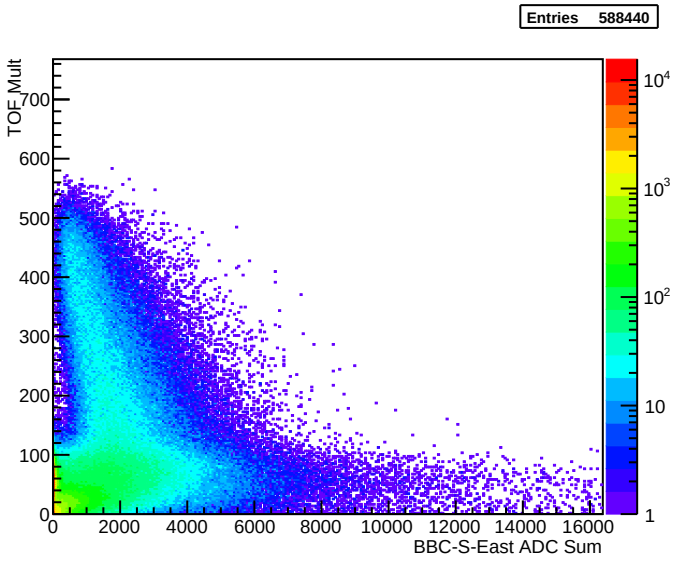

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

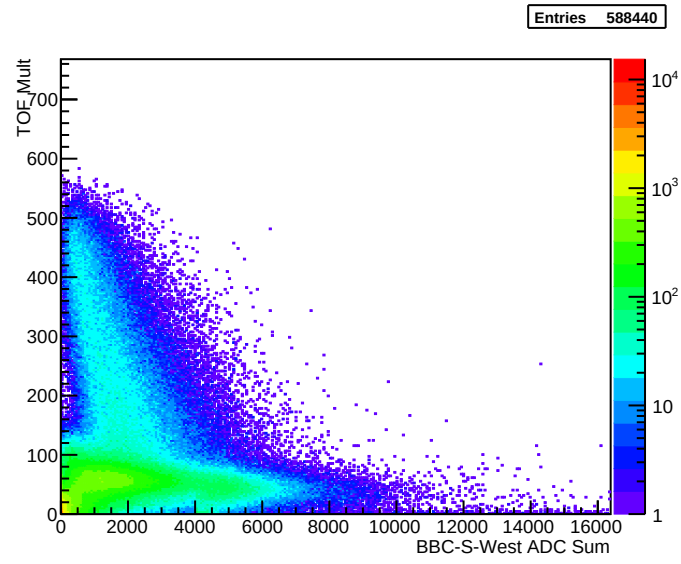

VT201 Input Ch4: VPD Tac Diff
Entries 588440
Tac

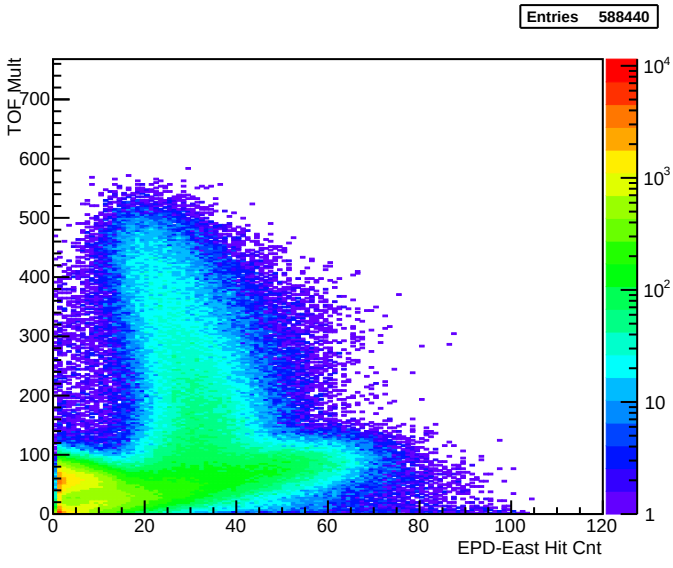

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

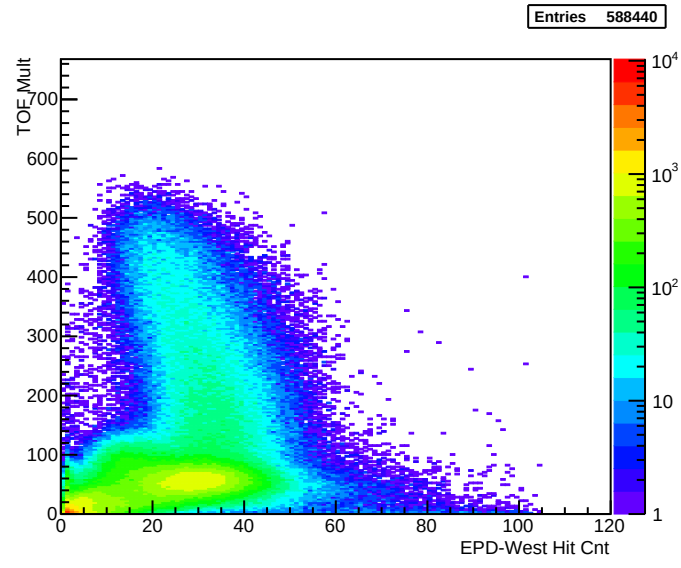

VT201 Input Ch4: VPD Adc Sum Th
Entries 1176880
301950
483302
286490
105138
East
West

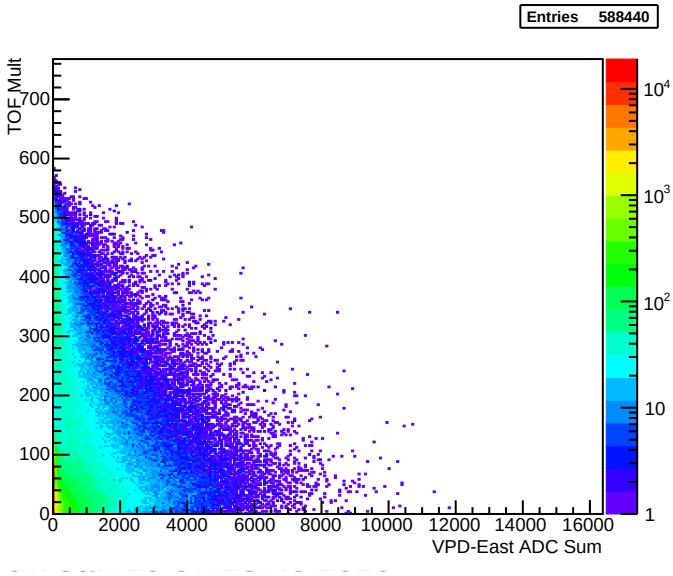

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

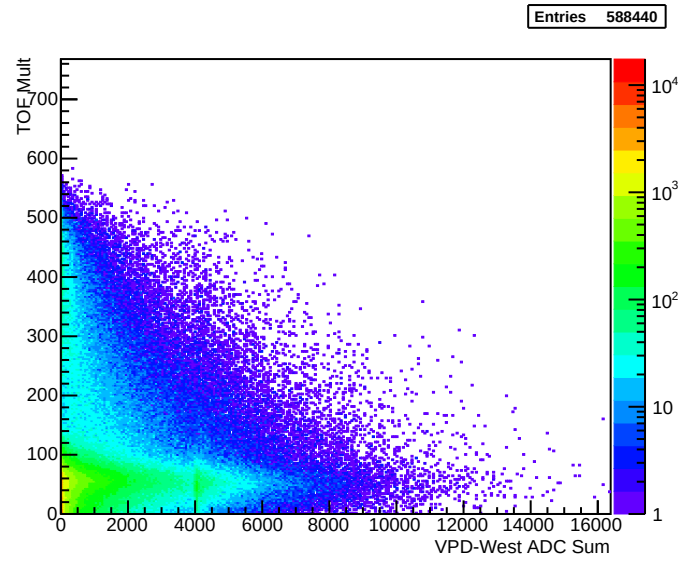

Entries 588440
TOF_Mult
BBC-S-East ADC Sum

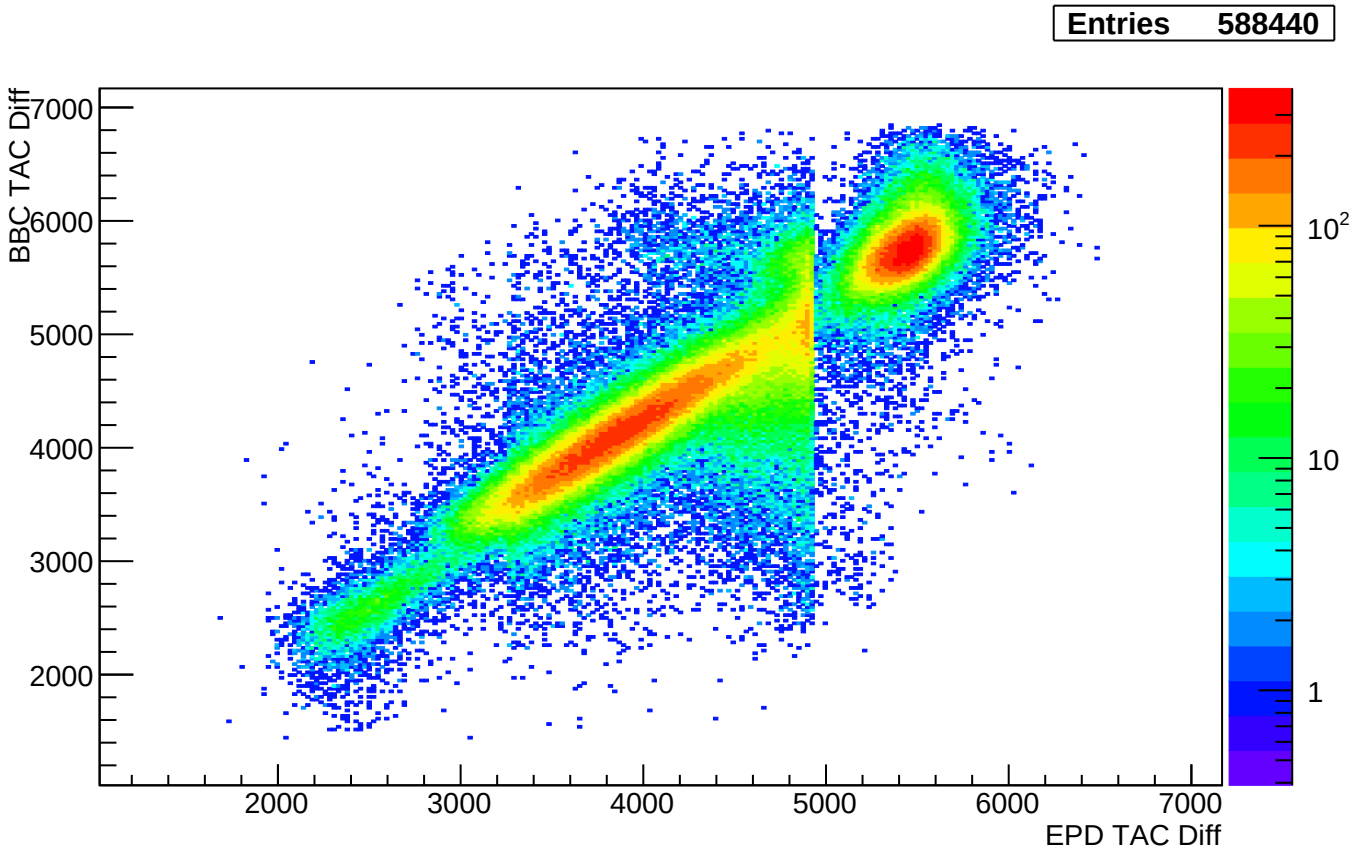

Entries 588440
TOF_Mult
BBC-S-West ADC Sum

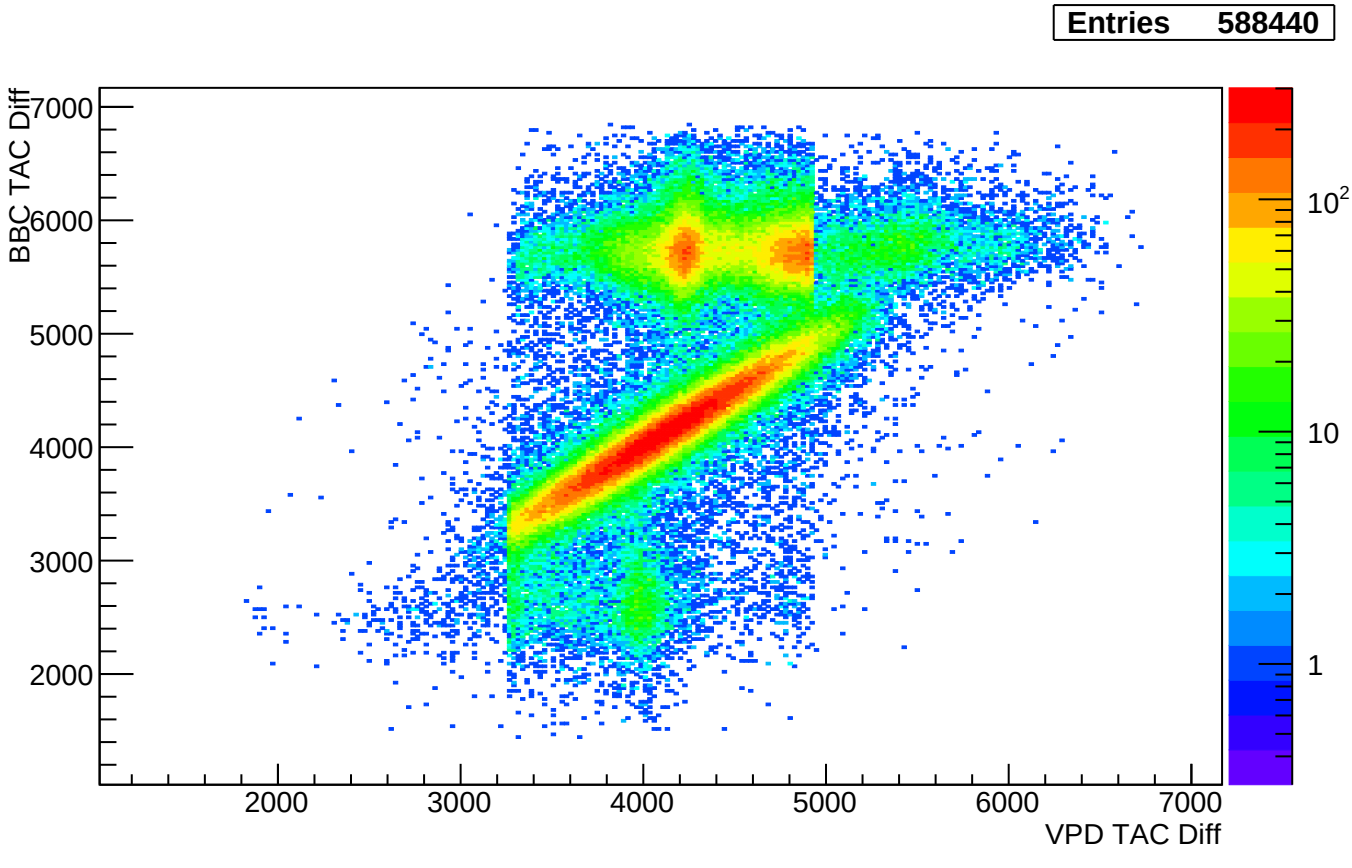

Entries 588440
TOF_Mult
EPD-East Hit Cnt

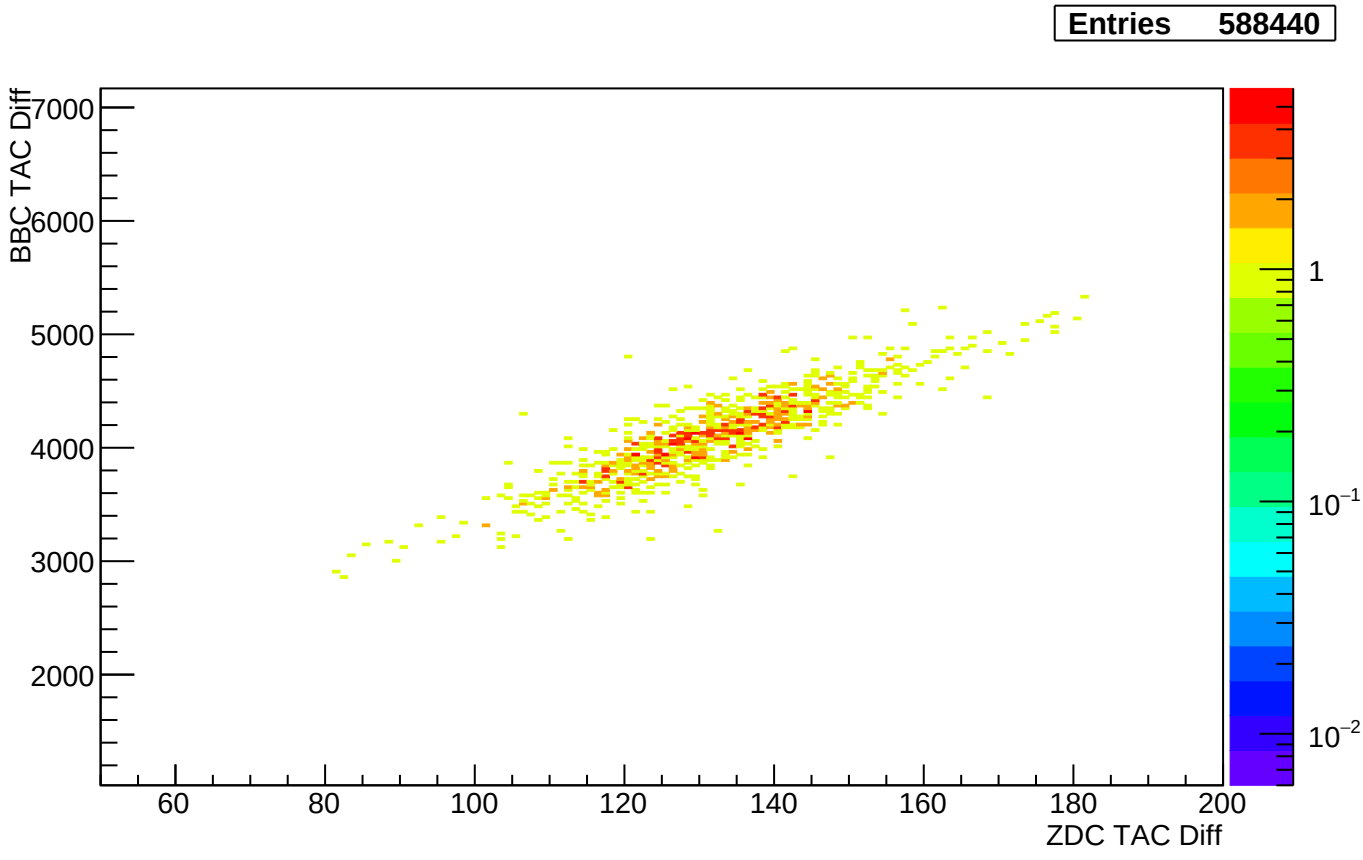

Entries 588440
TOF_Mult
EPD-West Hit Cnt

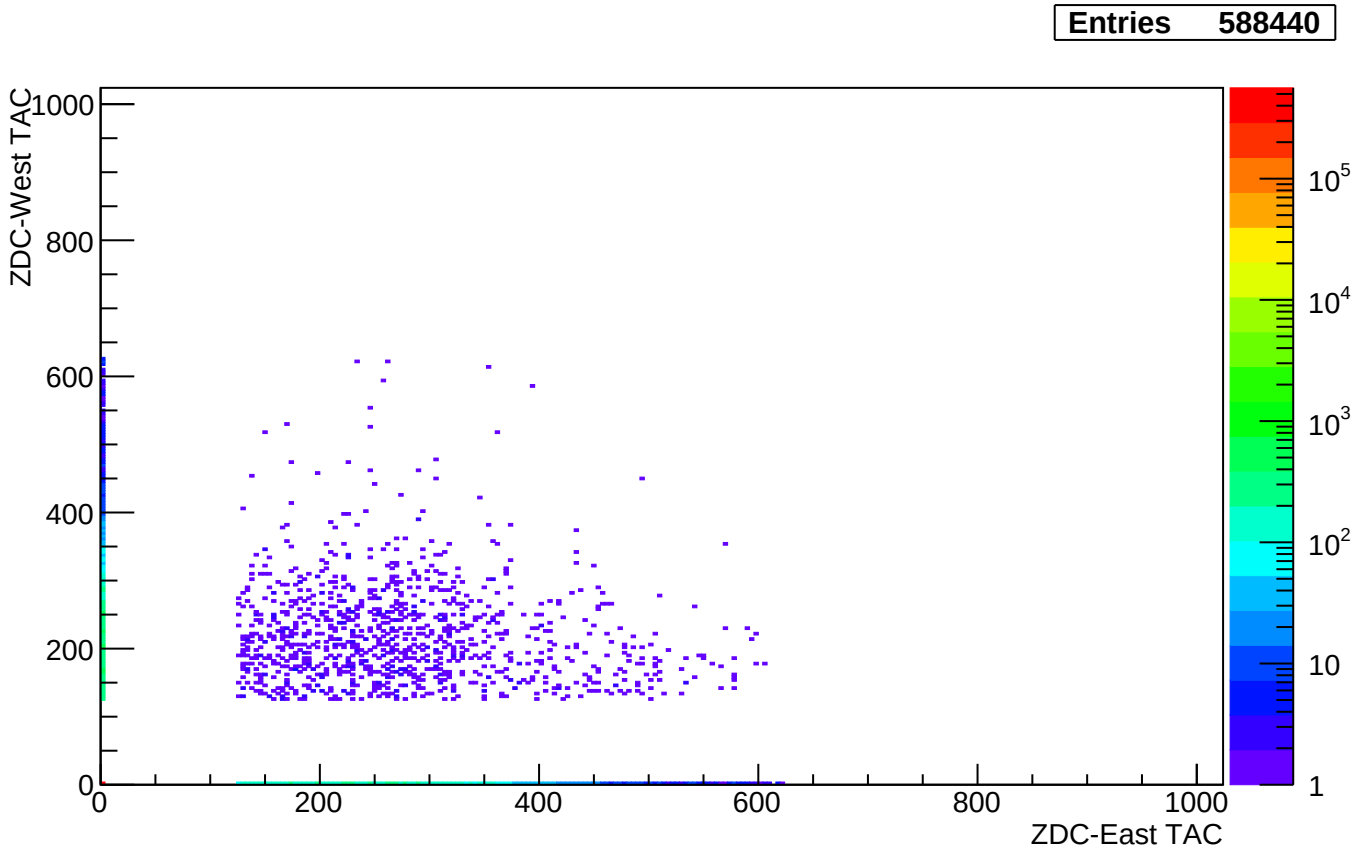

Entries 588440
TOF_Mult
VPD-East ADC Sum

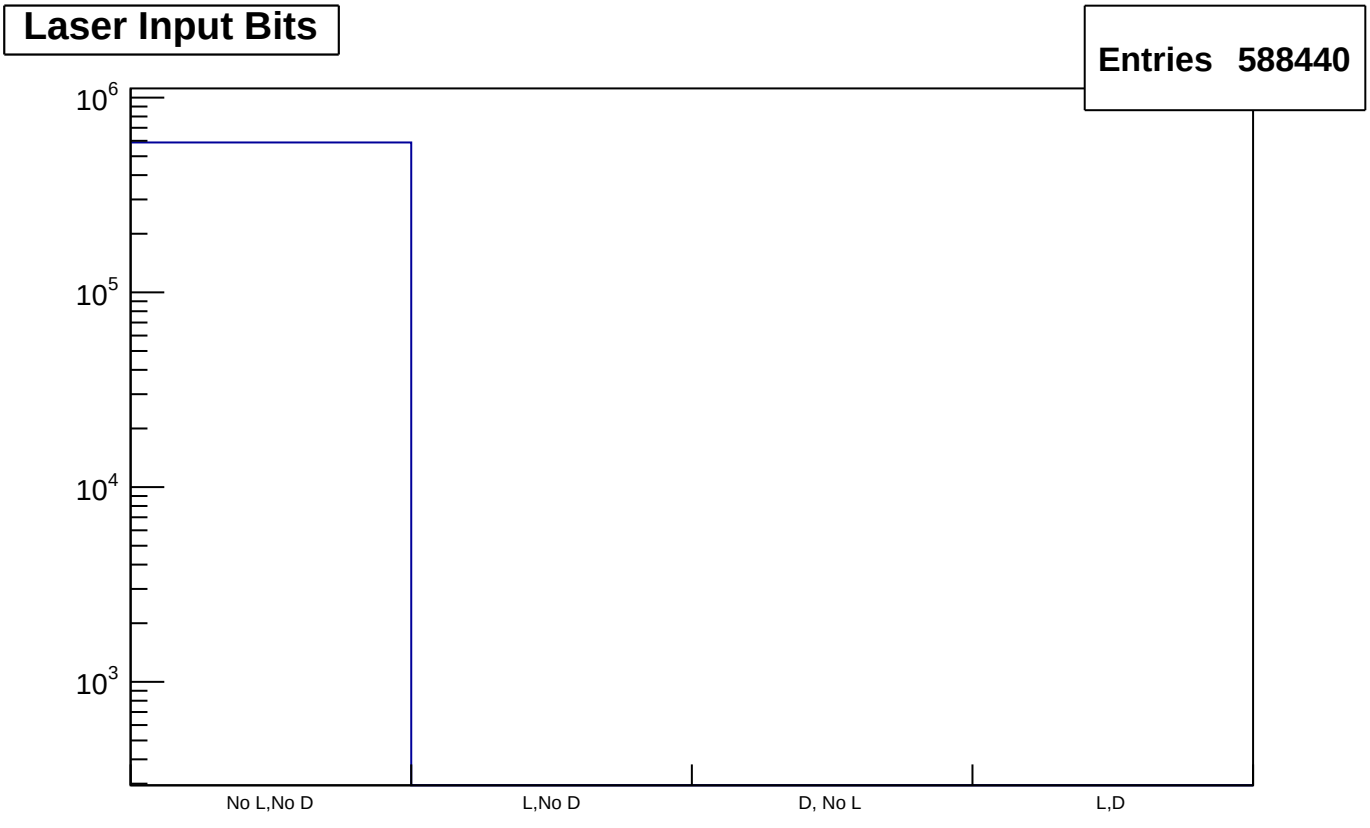

Entries 588440
TOF_Mult
VPD-West ADC Sum

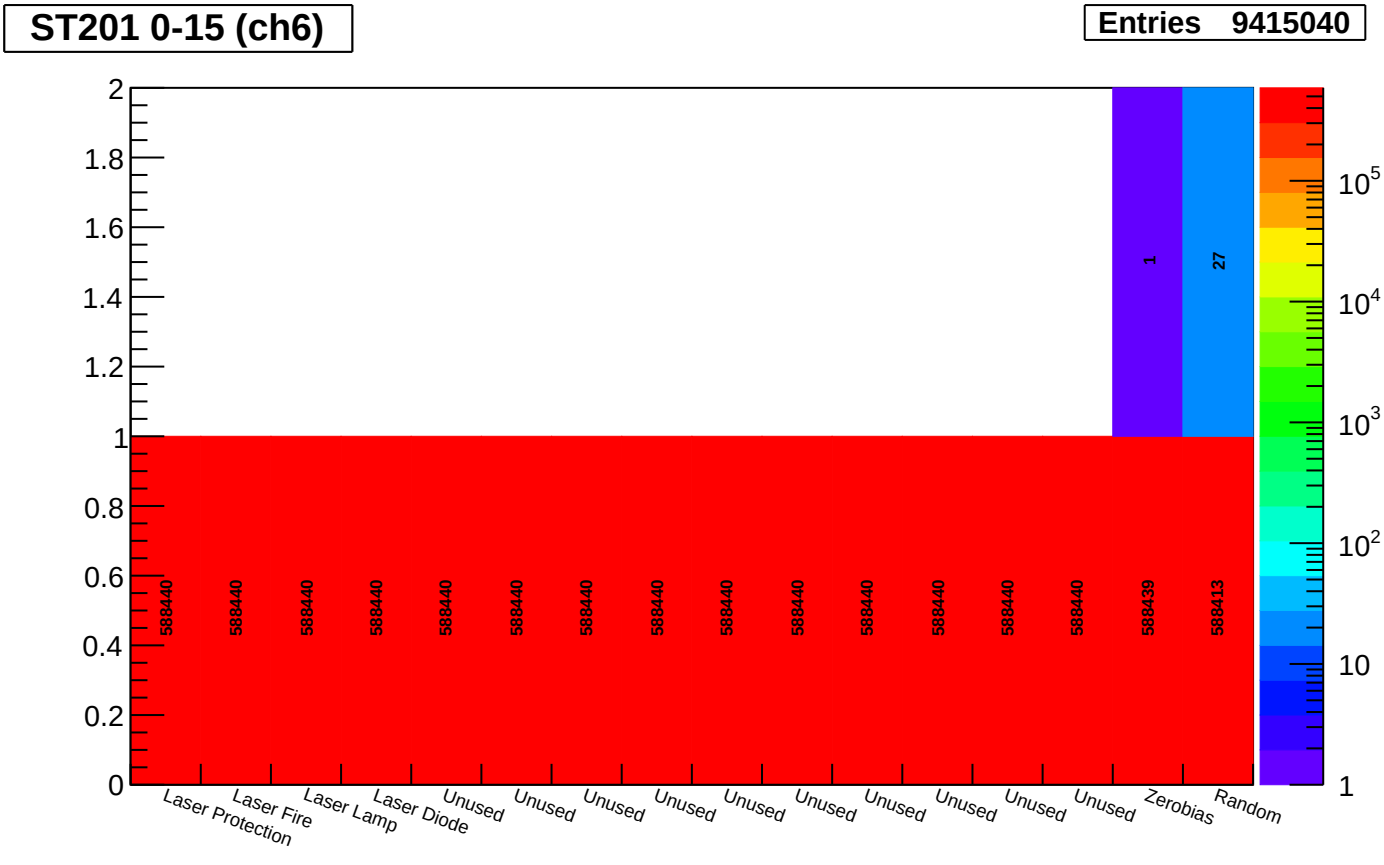

Entries 588440
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

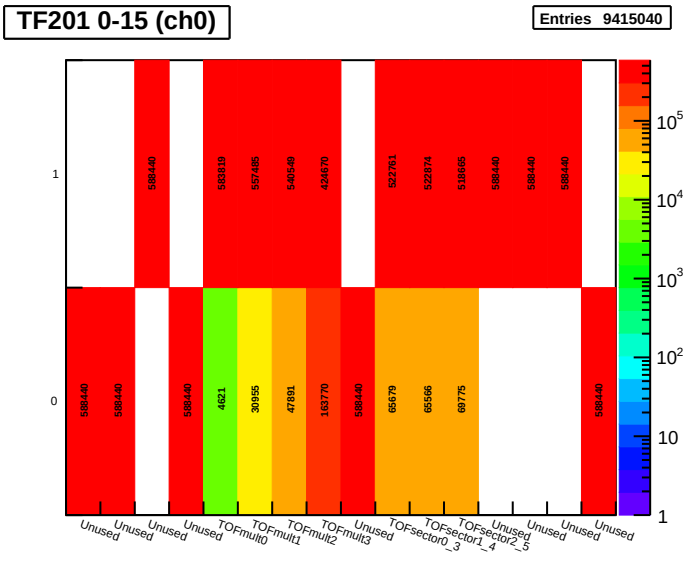

Entries 588440
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

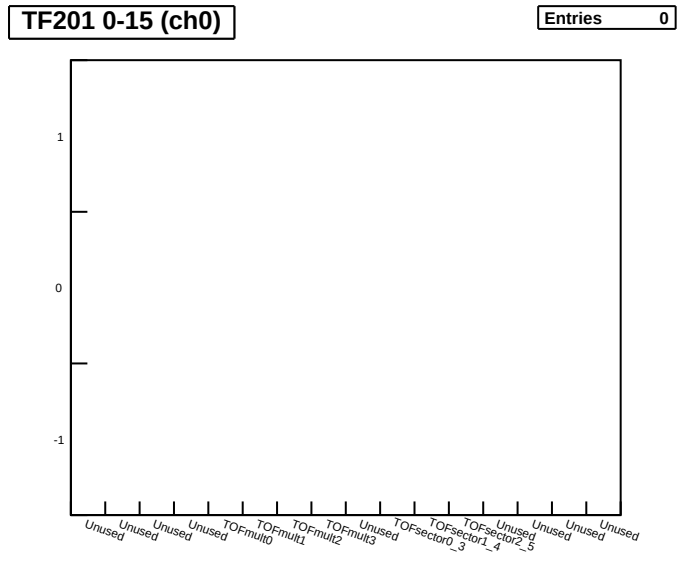

Entries 588440
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

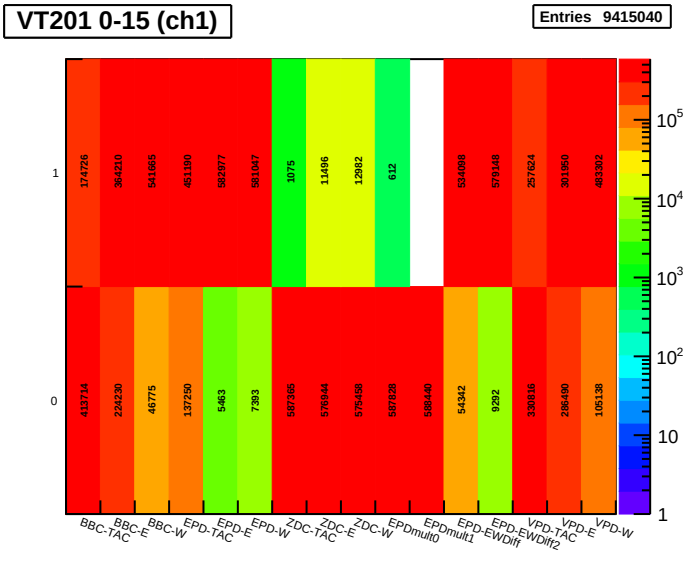

Entries 588440
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

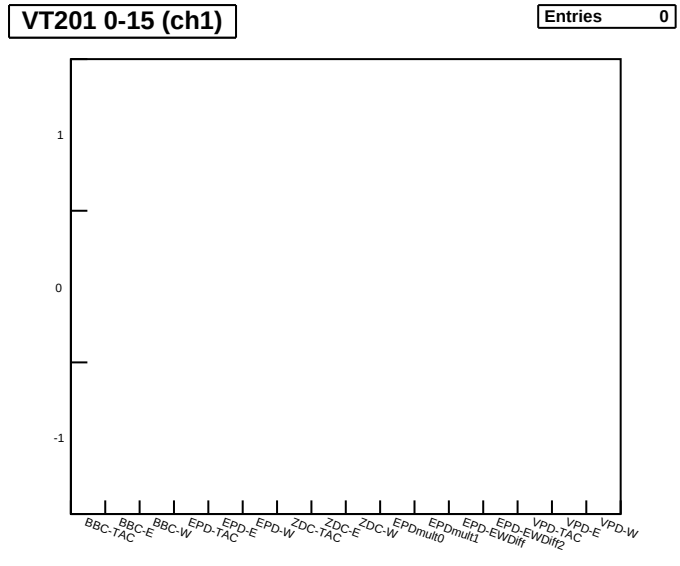

Laser Input Bits
Entries 588440
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

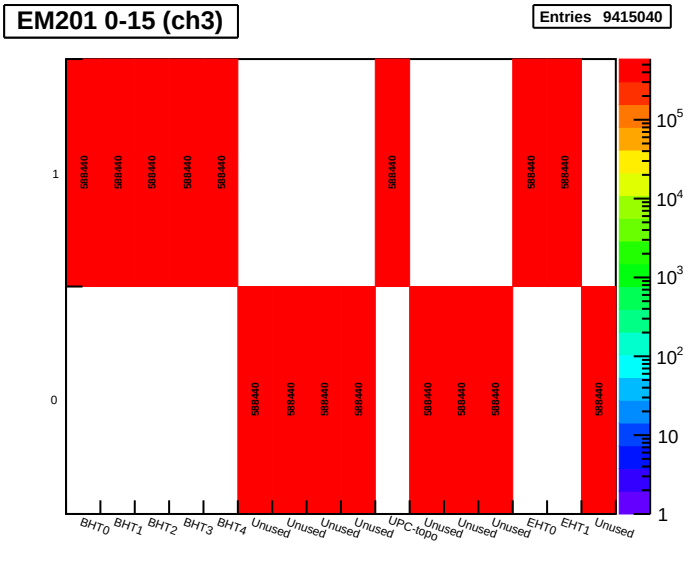

ST201 0-15 (ch6)
Entries 9415040
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
588440
588440
588440
588440
588440
588440
588440
588440
588440
588440
588440
588440
588440
588440
588439
588413
1
27
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

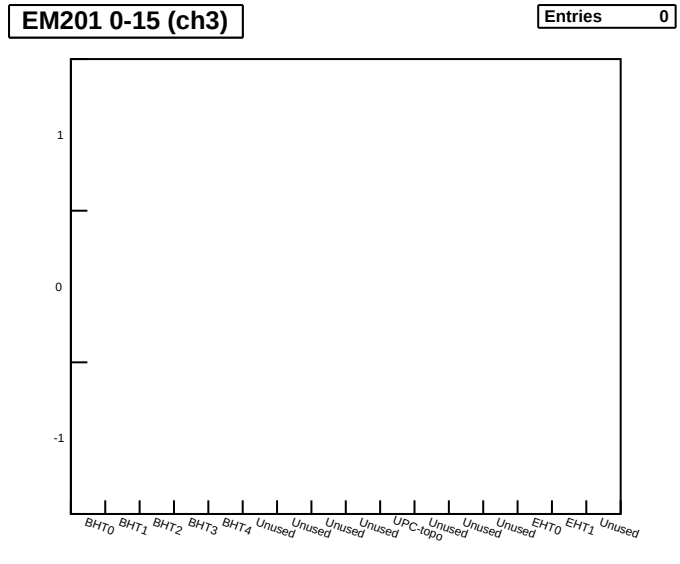

TF201 0-15 (ch0)
Entries 9415040
1
0
588440
563819
557485
540549
424670
522761
522374
519665
588440
588440
588440
588440
588440
4621
30955
47891
163770
588440
65679
65566
69775
588440
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


TF201 0-15 (ch0)
Entries 0
1
0
-1
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5


VT201 0-15 (ch1)
Entries 9415040
1
0
174726
364210
541655
451190
582977
581047
1075
11496
12982
612
534098
579148
257624
301950
483302
413714
224230
46775
137250
5463
7393
587365
576944
575458
587828
588440
54342
9292
330816
28490
106138
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W
10^5
10^4
10^3
10^2
10
1


VT201 0-15 (ch1)
Entries 0
1
0
-1
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W


EM201 0-15 (ch3)
Entries 9415040
1
0
588440
588440
588440
588440
588440
588440
588440
588440
588440
588440
588440
588440
588440
588440
588440
588440
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
10^5
10^4
10^3
10^2
10
1


EM201 0-15 (ch3)
Entries 0
1
0
-1
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1