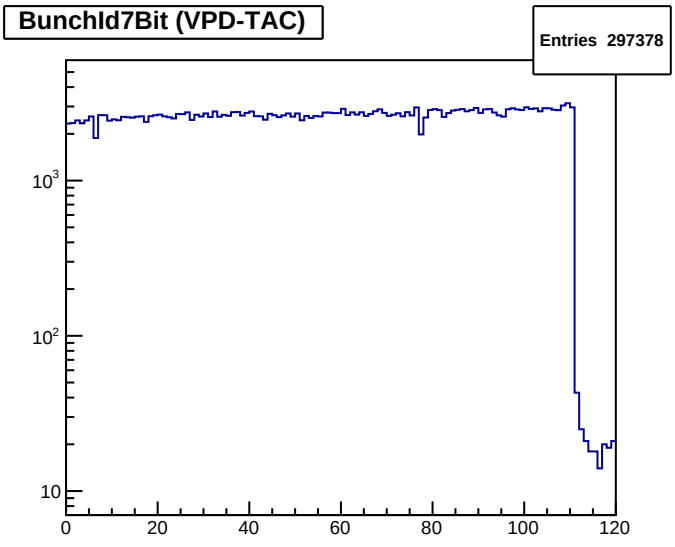
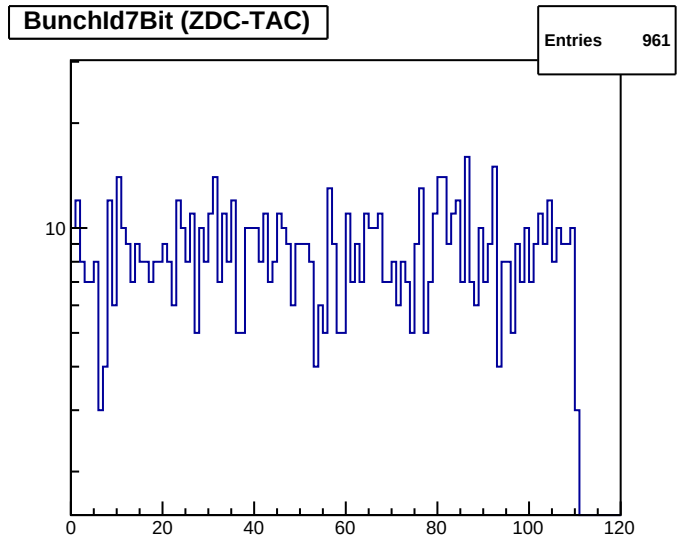
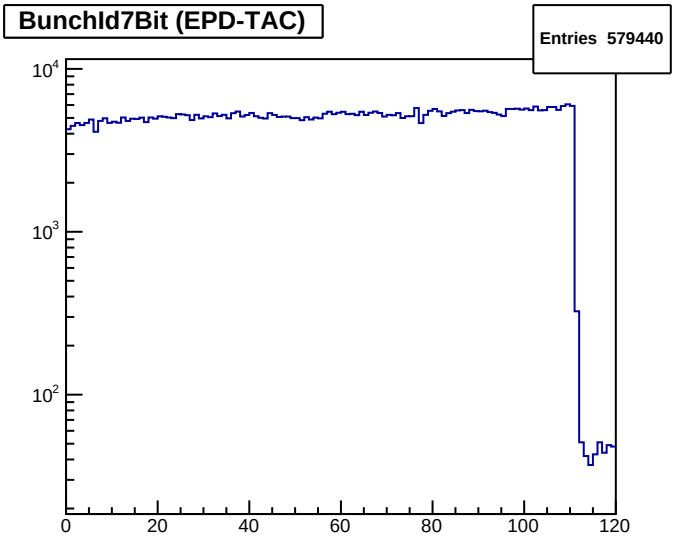
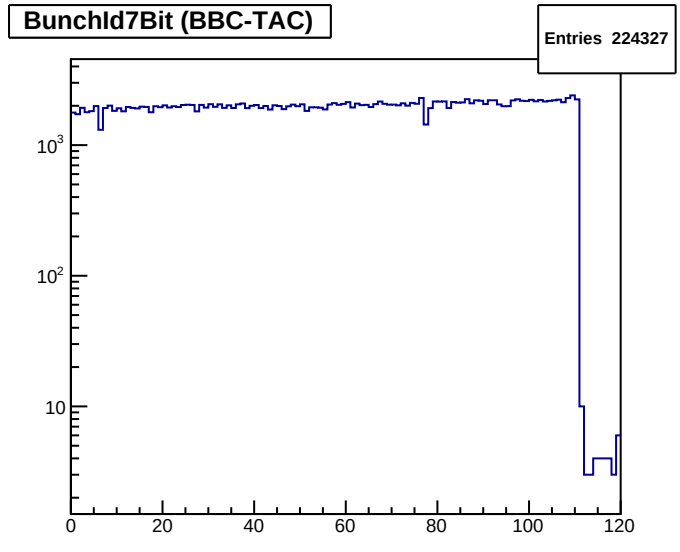
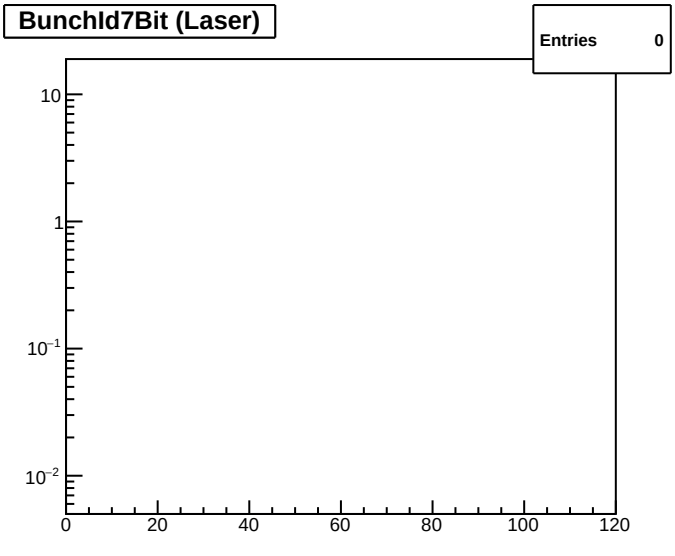
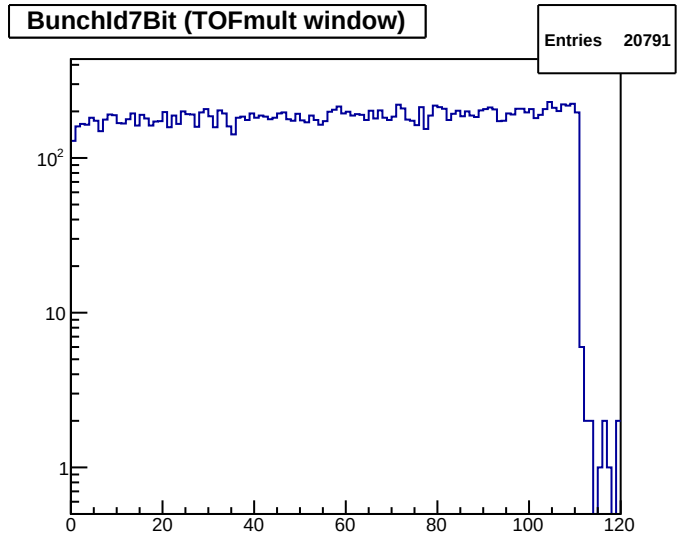

BunchId7Bit (VPD-TAC)
Entries 297378
10^3
10^2
10
0 20 40 60 80 100 120

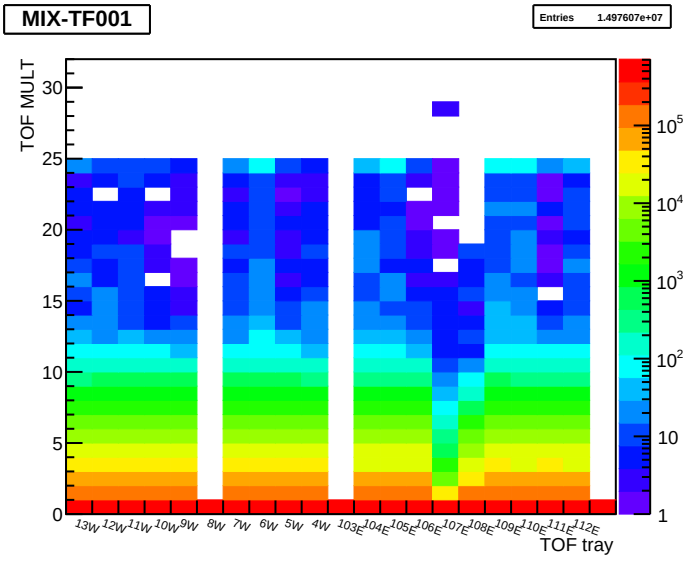

BunchId7Bit (ZDC-TAC)
Entries 961
10
0 20 40 60 80 100 120

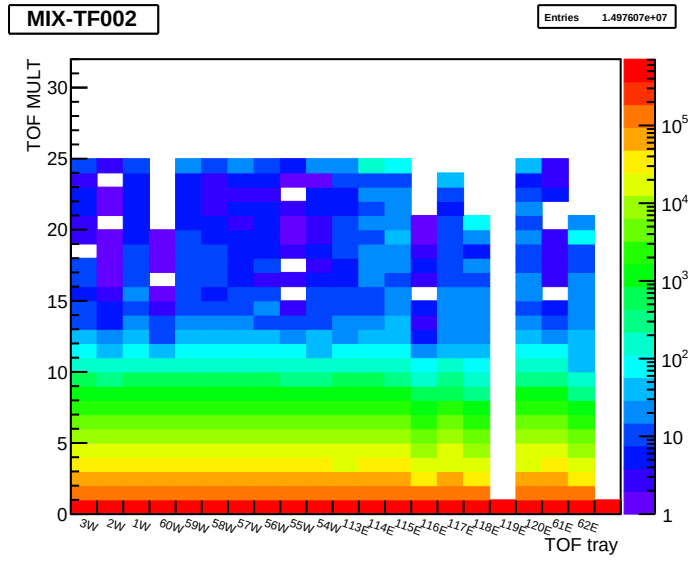

BunchId7Bit (EPD-TAC)
Entries 579440
10^4
10^3
10^2
0 20 40 60 80 100 120

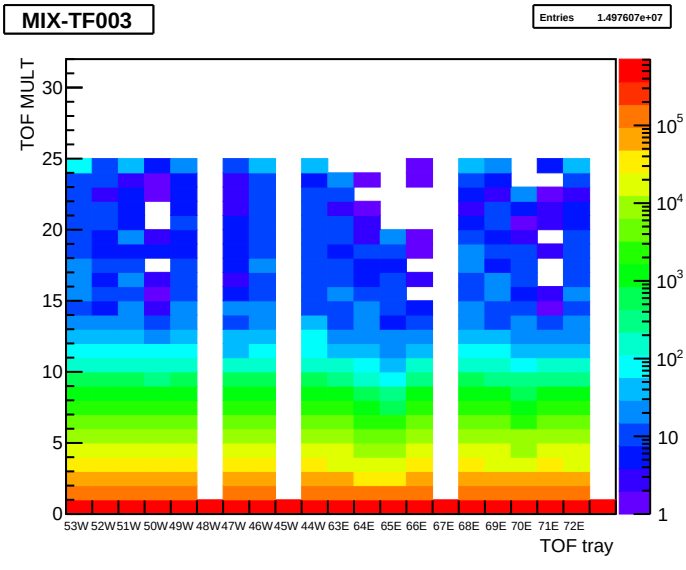

BunchId7Bit (BBC-TAC)
Entries 224327
10^3
10^2
10
0 20 40 60 80 100 120

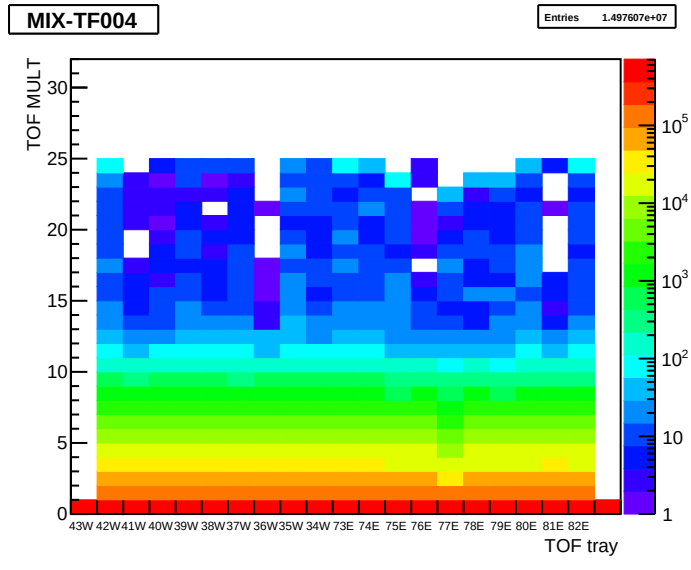

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

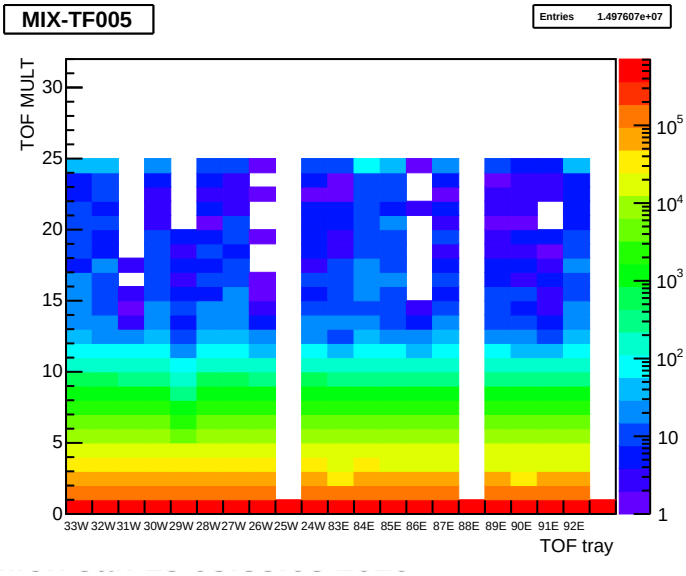

BunchId7Bit (TOFmult window)
Entries 20791
10^2
10
1
0 20 40 60 80 100 120

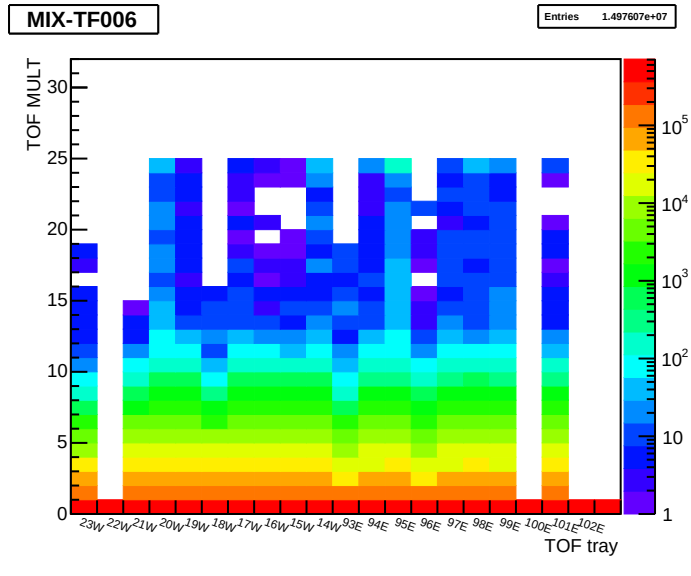

MIX-TF001
Entries 1.497607e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

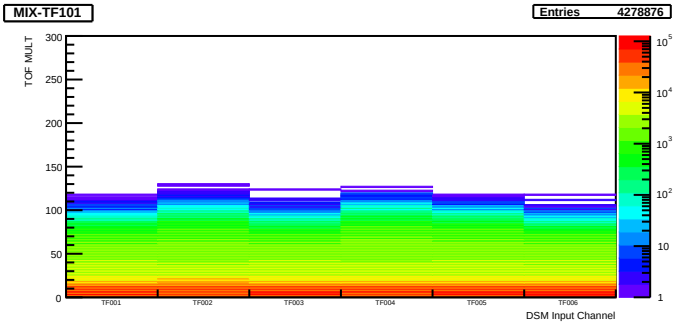

MIX-TF002
Entries 1.497607e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

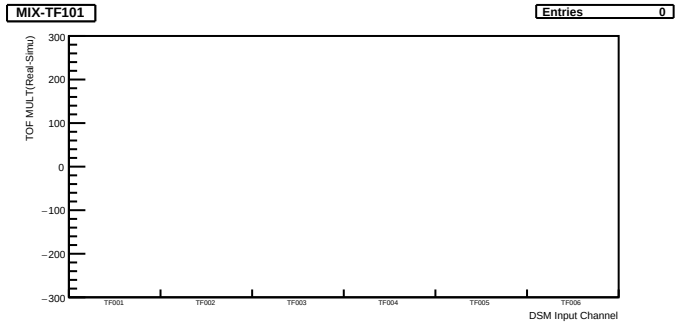

MIX-TF003
Entries 1.497607e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

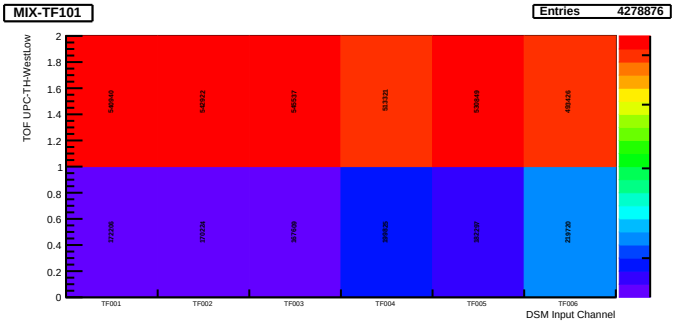

MIX-TF004
Entries 1.497607e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

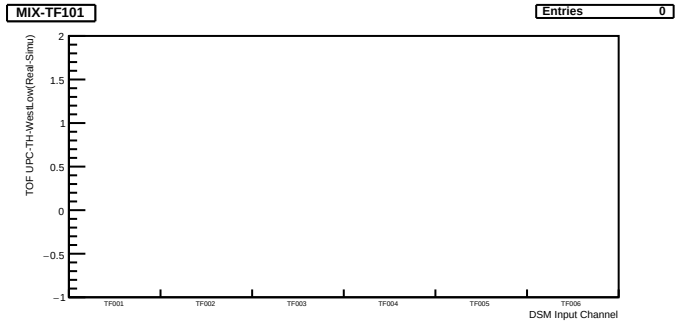

MIX-TF005
Entries 1.497607e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

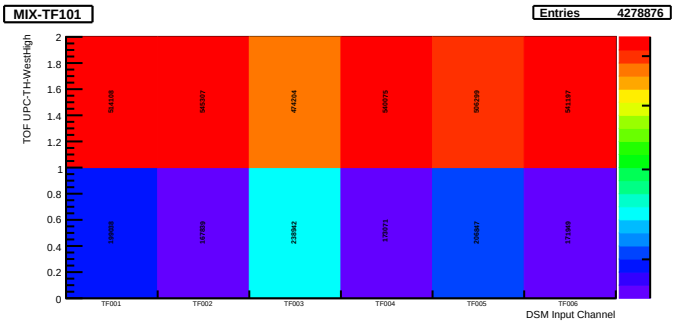

MIX-TF006
Entries 1.497607e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

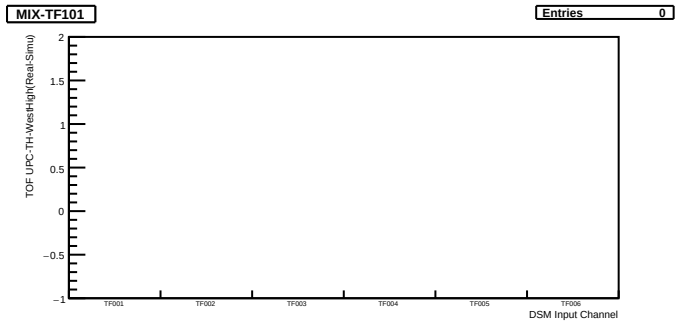

MIX-TF101
Entries 4278876
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

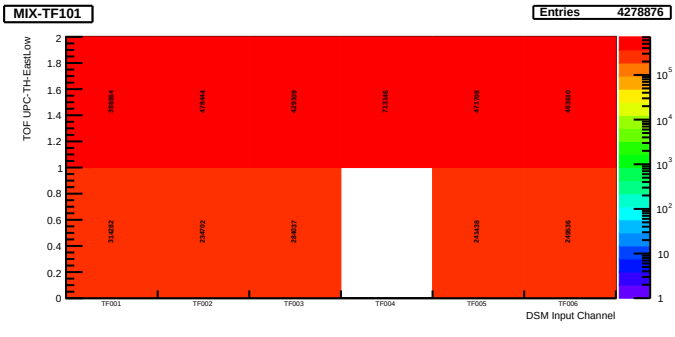

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

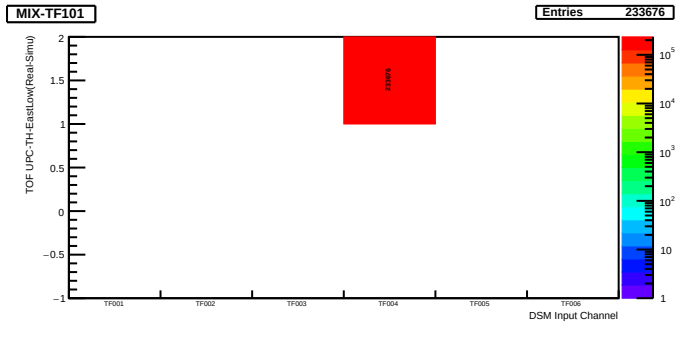

MIX-TF101
Entries 4278876
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

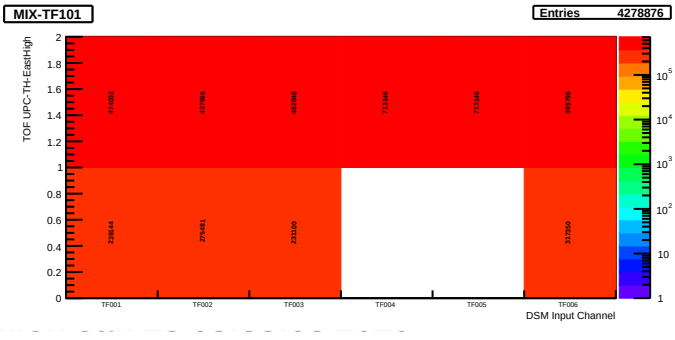

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

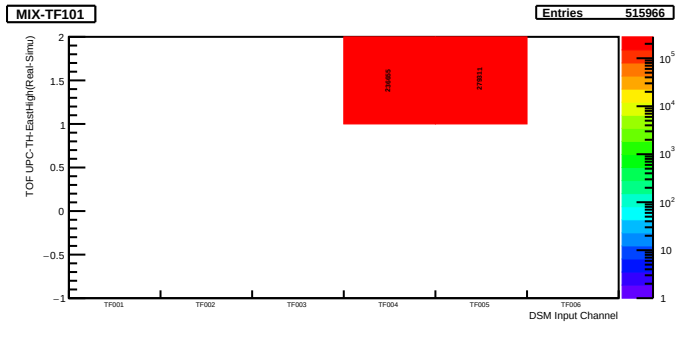

MIX-TF101
Entries 4278876
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

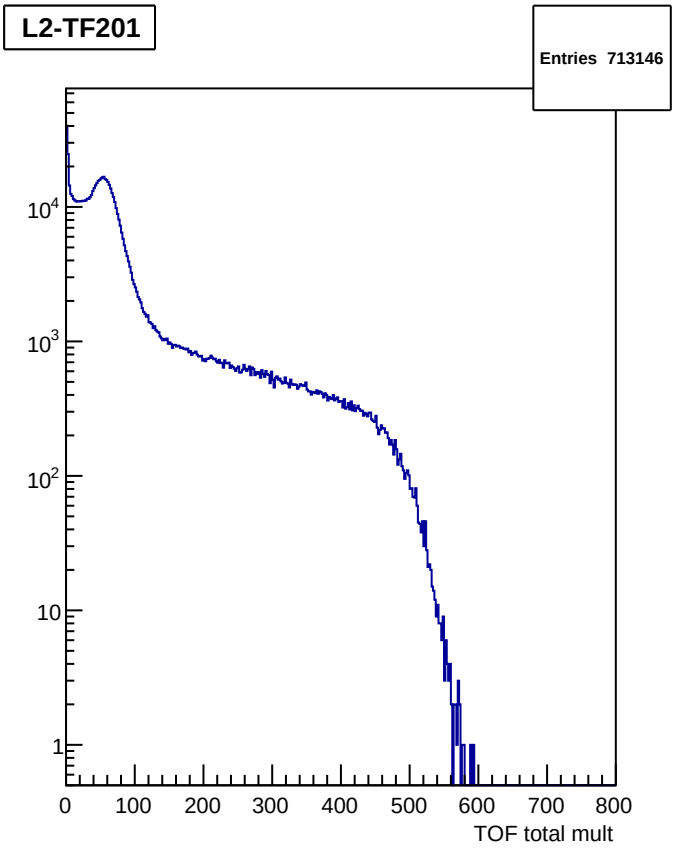

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

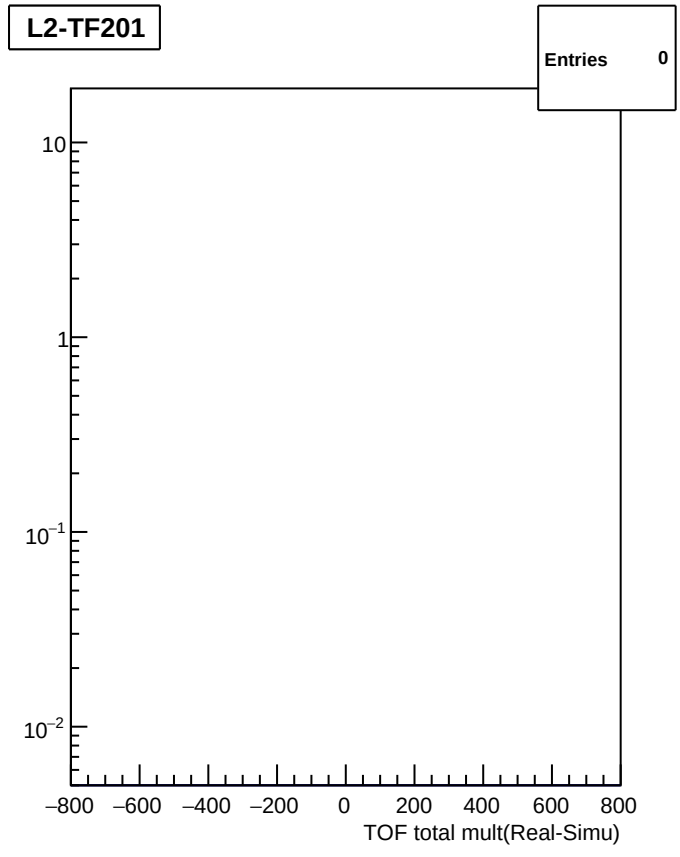

MIX-TF101
Entries 4278876
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

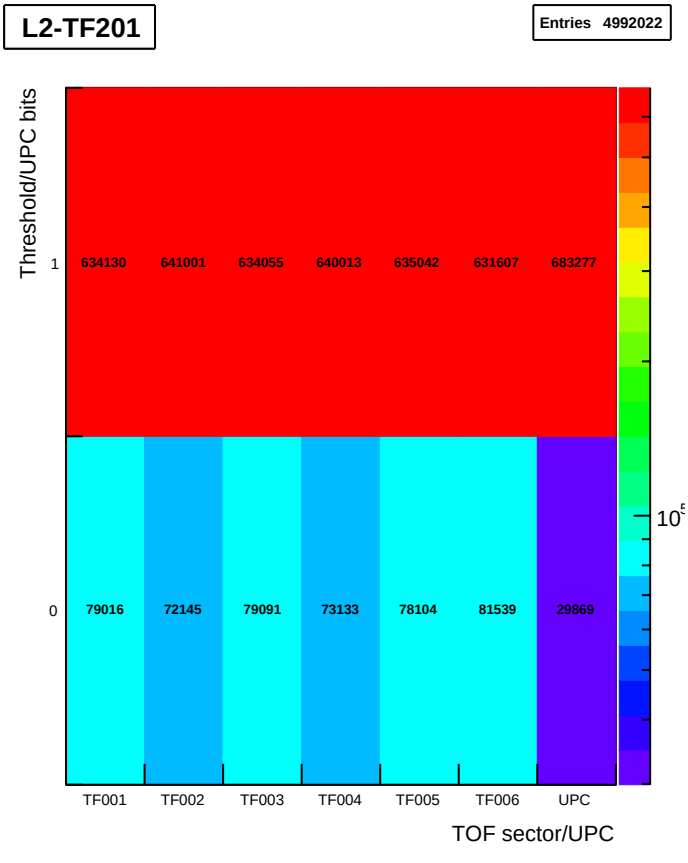

MIX-TF101
Entries 233676
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

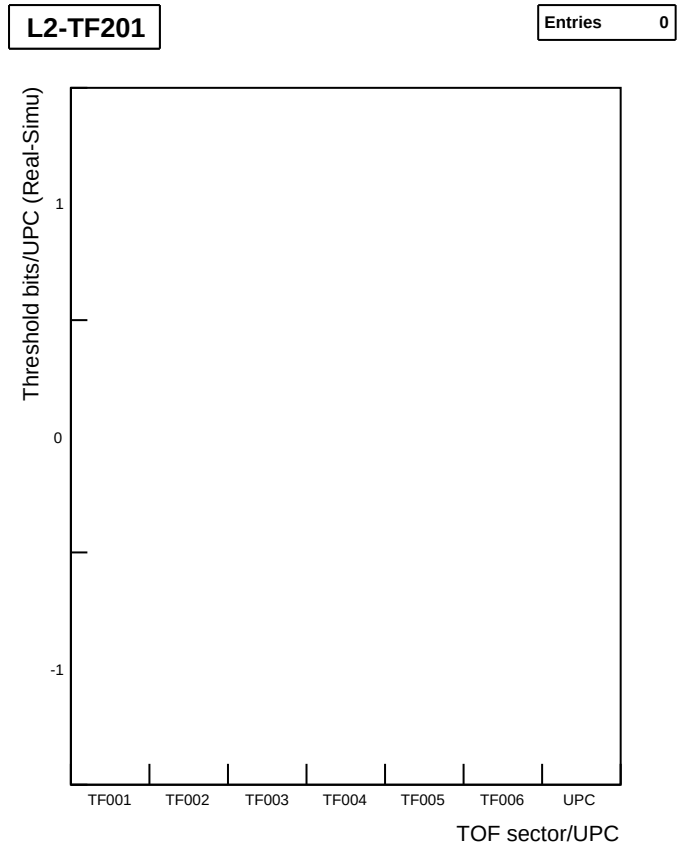

MIX-TF101
Entries 4278876
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

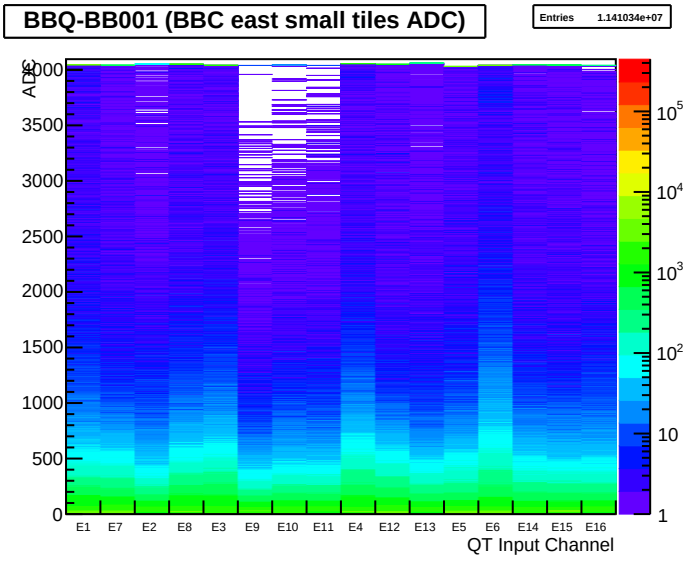

MIX-TF101
Entries 515966
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

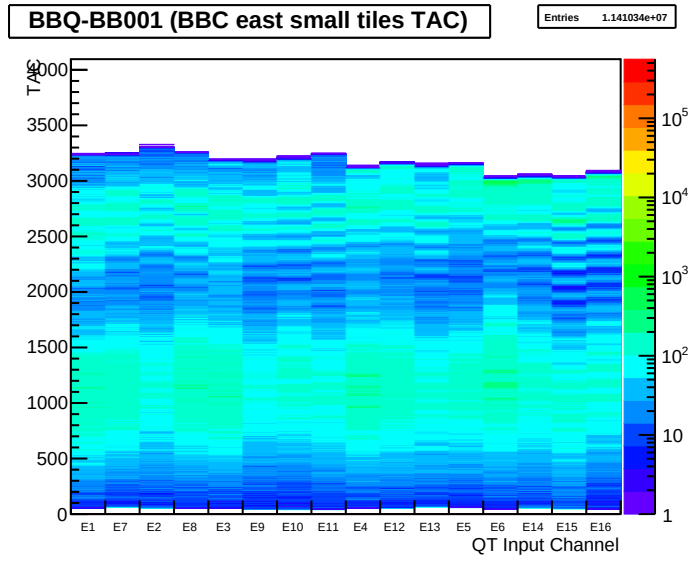

L2-TF201
Entries 713146
TOF total mult

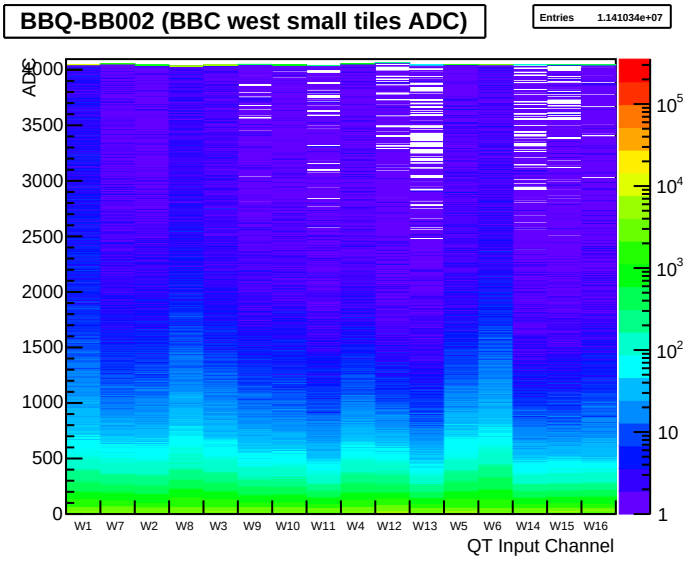

L2-TF201
Entries 0
TOF total mult(Real-Simu)

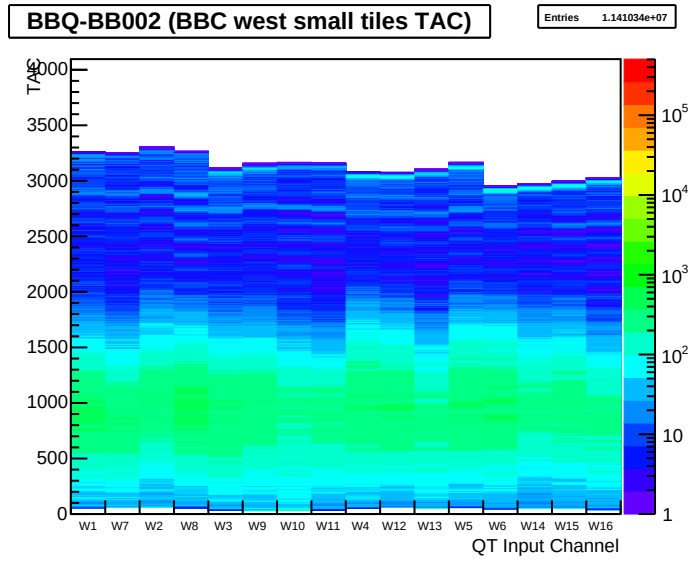

L2-TF201
Entries 4992022
Threshold/UPC bits
634130
641001
634055
640013
635042
631607
683277
79016
72145
79091
73133
78104
81539
29869
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

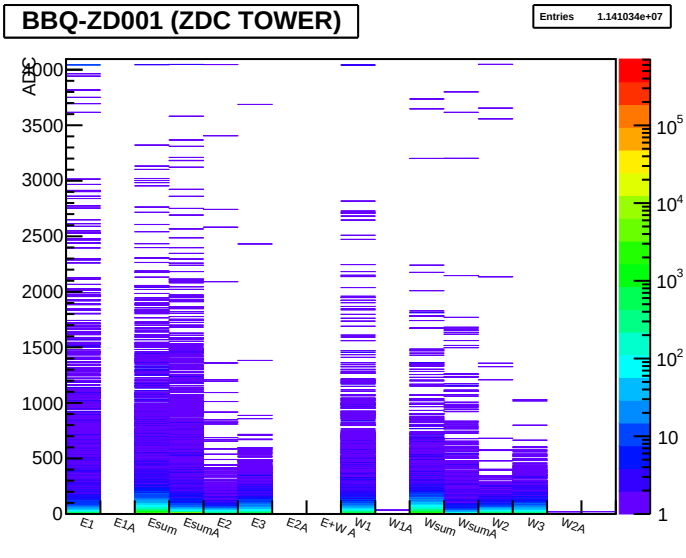

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

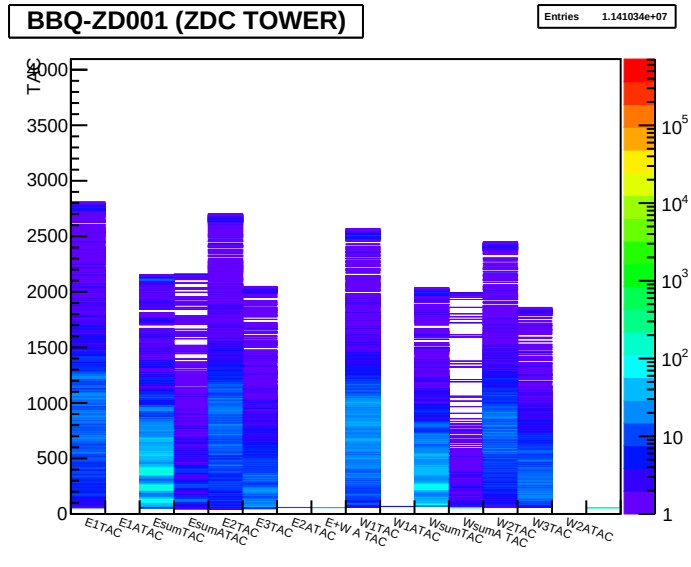

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.141034e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

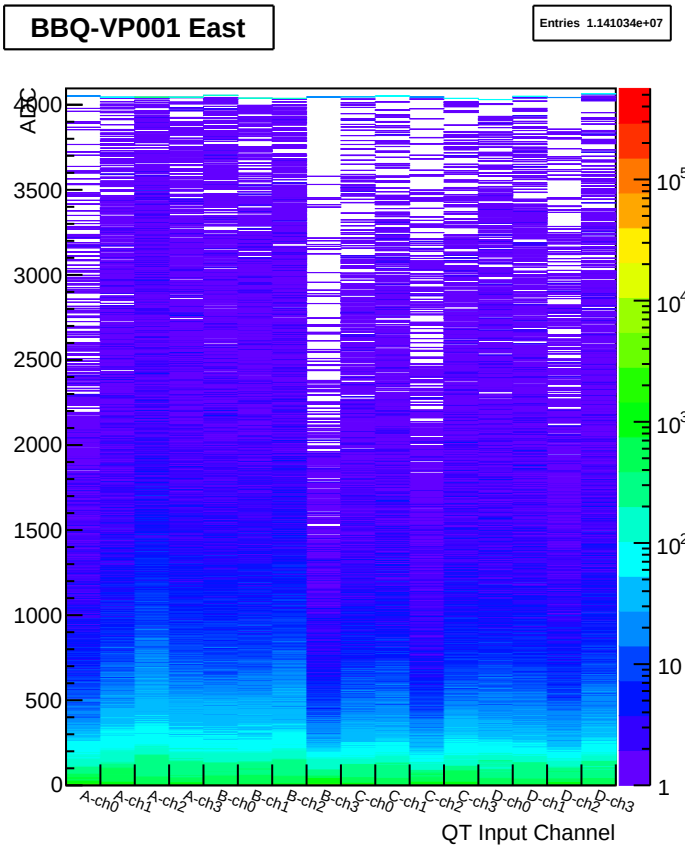

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.141034e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

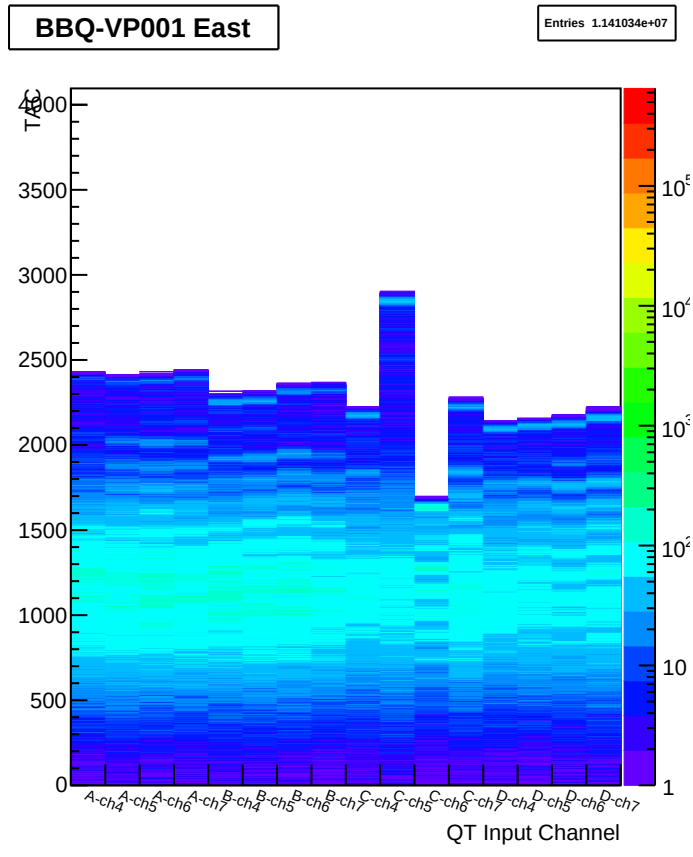

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.141034e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

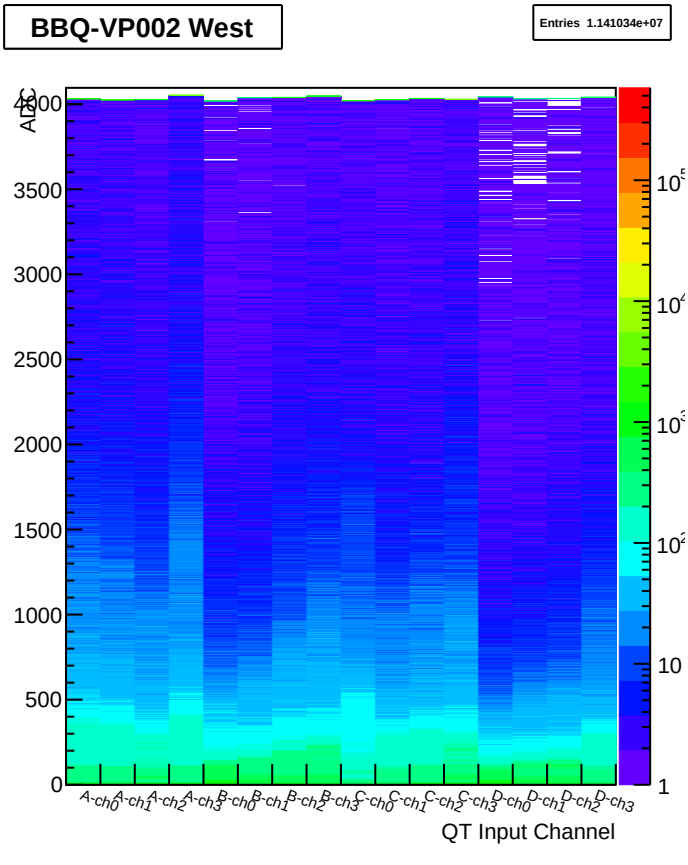

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.141034e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

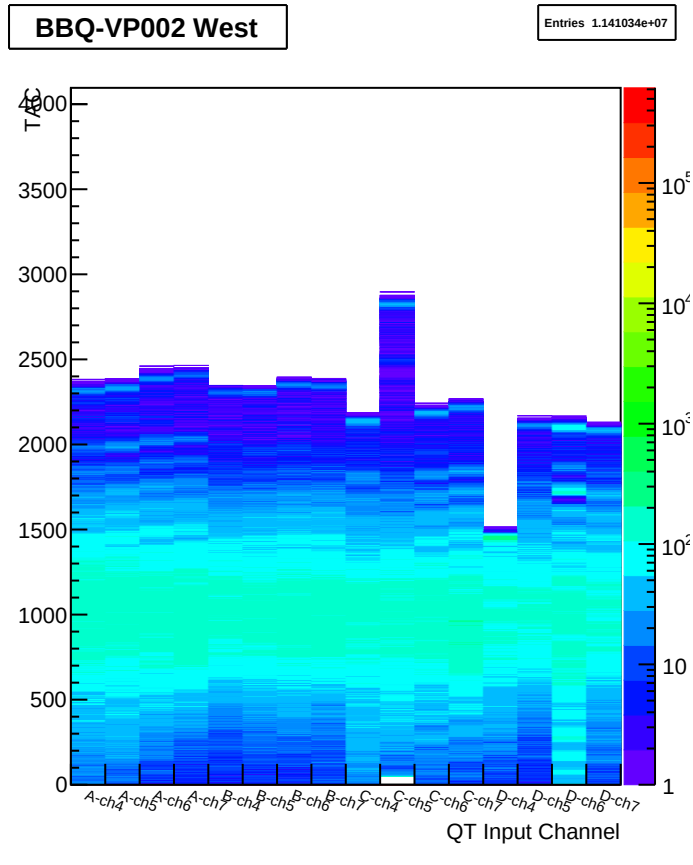

BBQ-ZD001 (ZDC TOWER)
Entries 1.141034e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

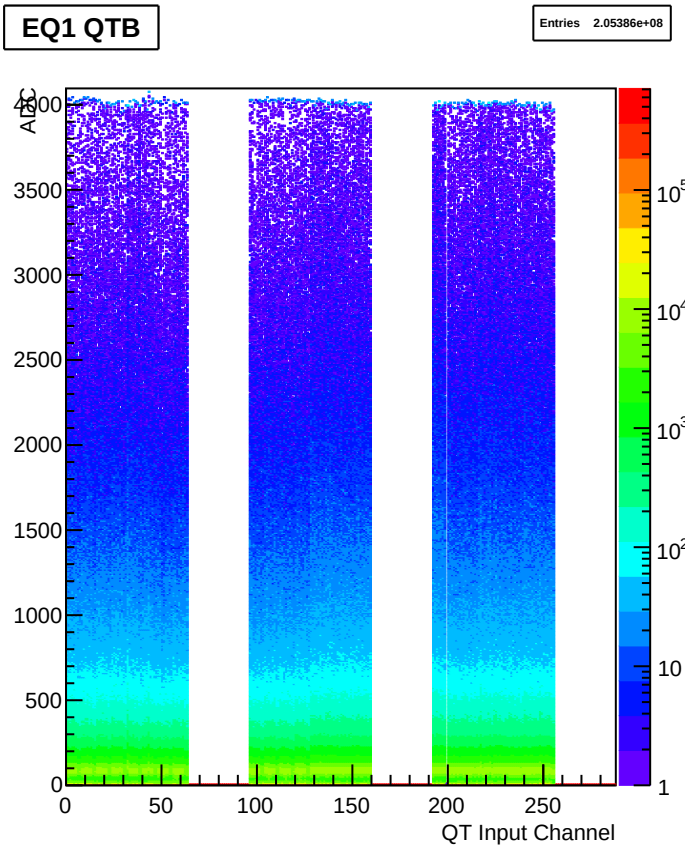

BBQ-ZD001 (ZDC TOWER)
Entries 1.141034e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

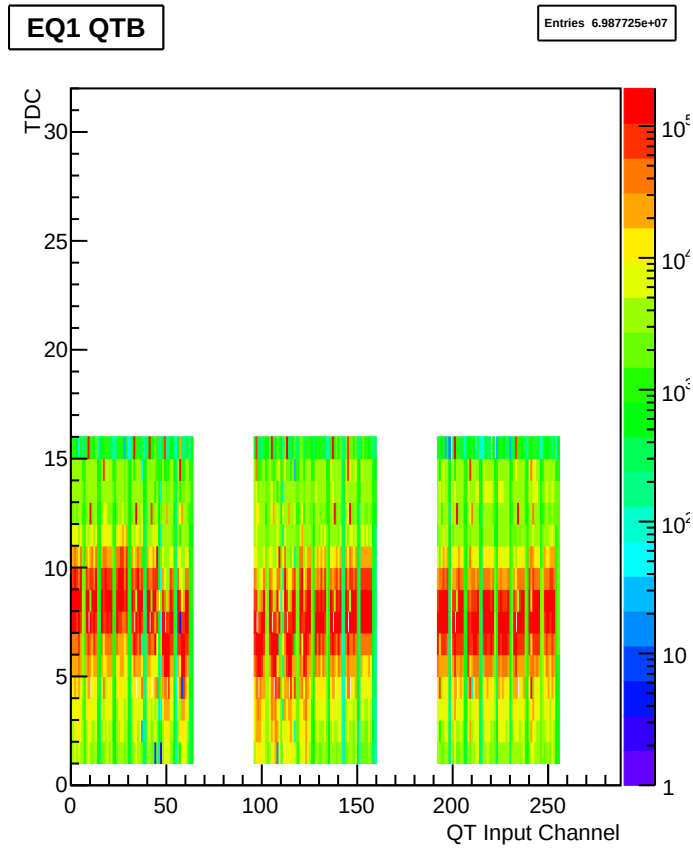

BBQ-VP001 East
Entries 1.141034e+07
ADC
QT Input Channel

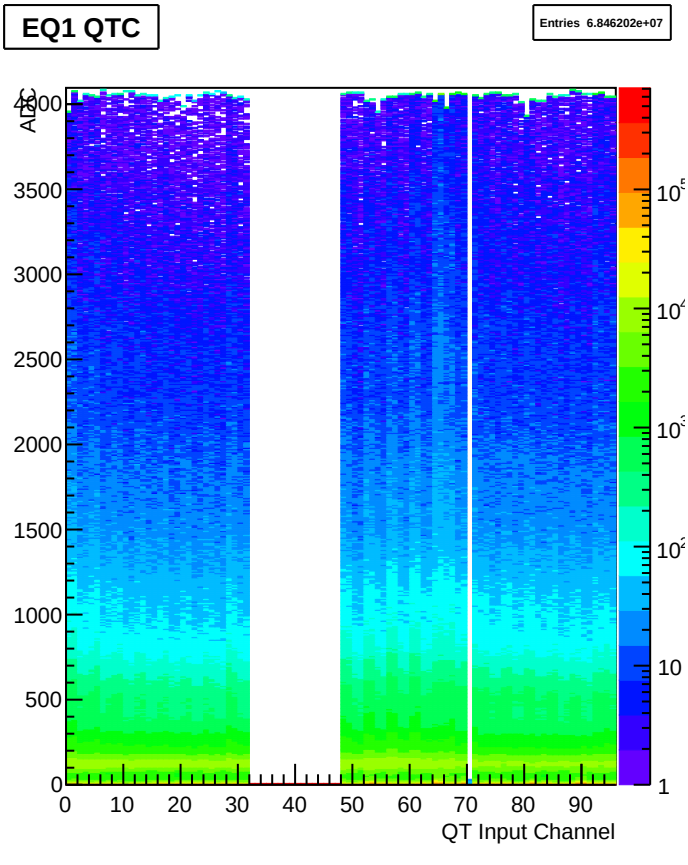

BBQ-VP001 East
Entries 1.141034e+07
TADC
QT Input Channel

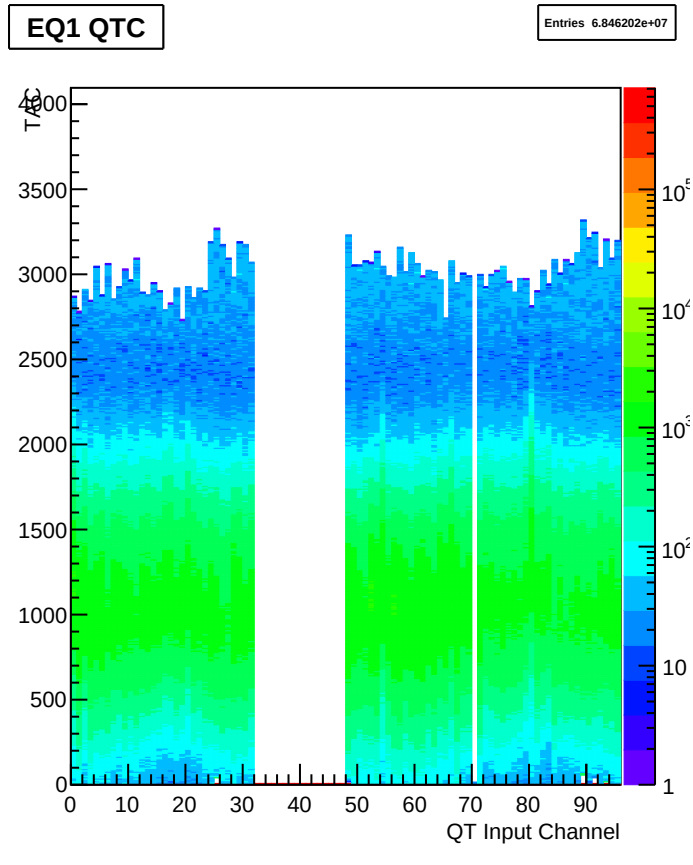

BBQ-VP002 West
Entries 1.141034e+07
ADC
QT Input Channel

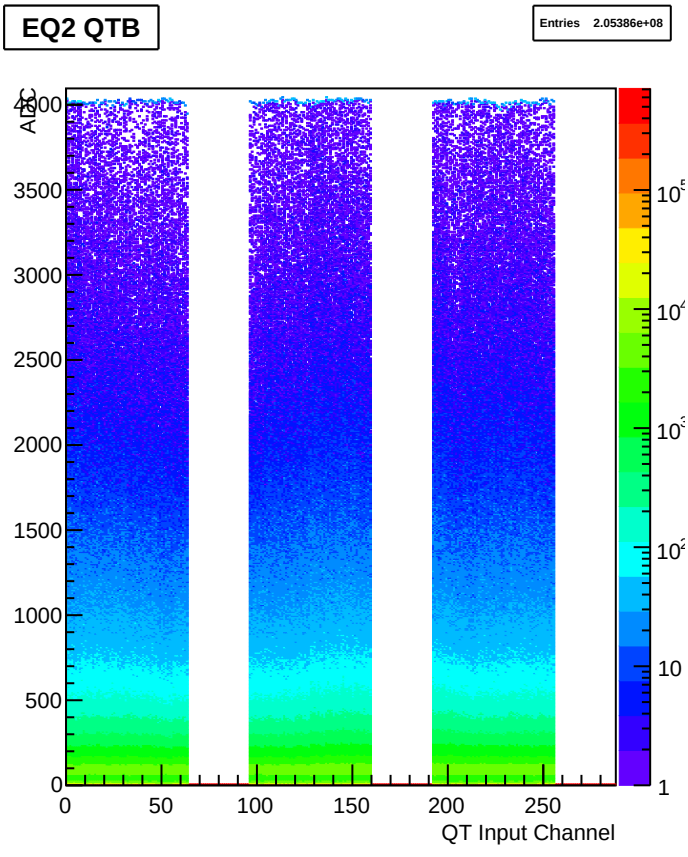

BBQ-VP002 West
Entries 1.141034e+07
TADC
QT Input Channel

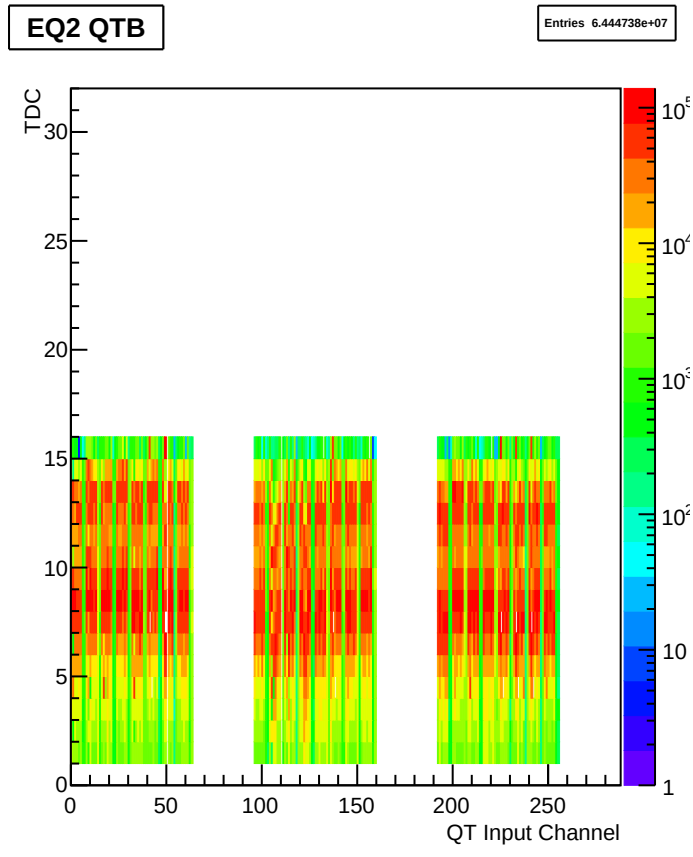

EQ1 QTB
Entries 2.05386e+08
ADC
QT Input Channel

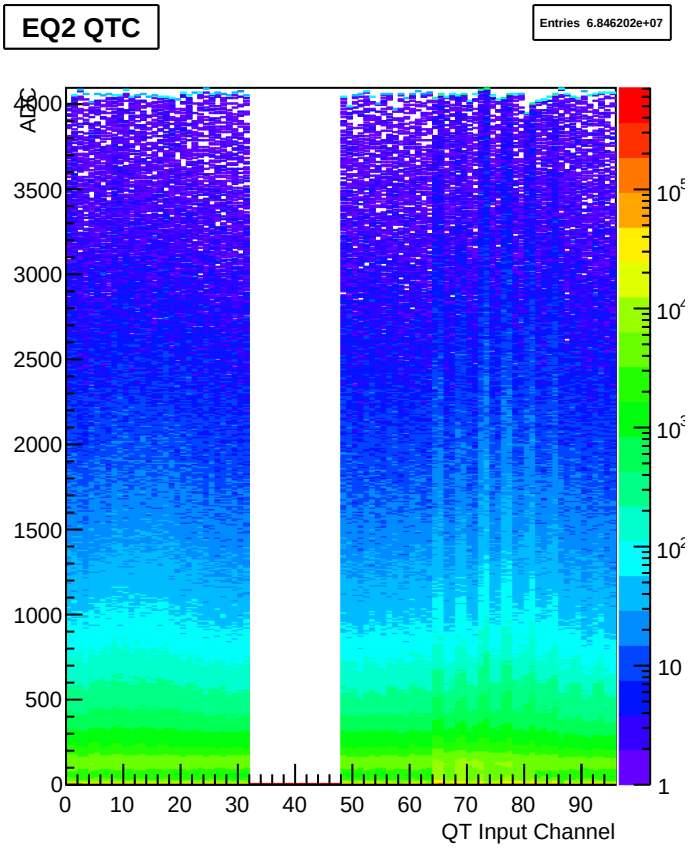

EQ1 QTB
Entries 6.987725e+07
TDC
QT Input Channel

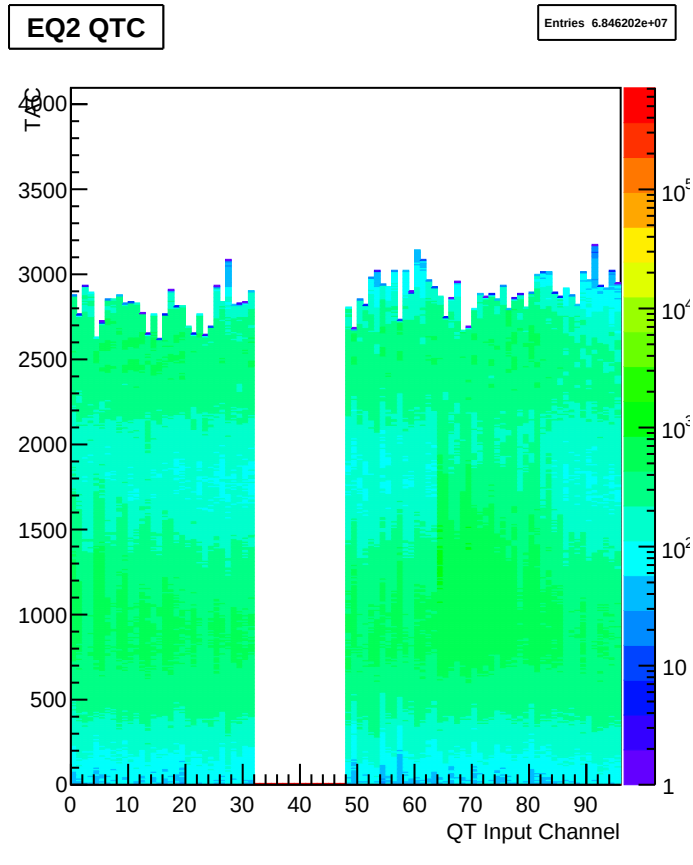

EQ1 QTC
Entries 6.846202e+07
ADC
QT Input Channel

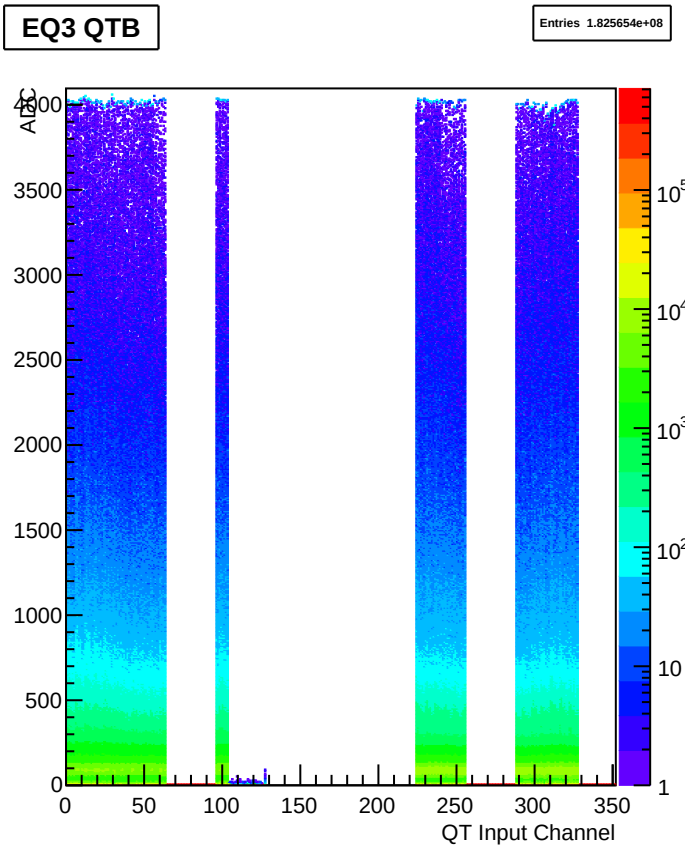

EQ1 QTC
Entries 6.846202e+07
TADC
QT Input Channel

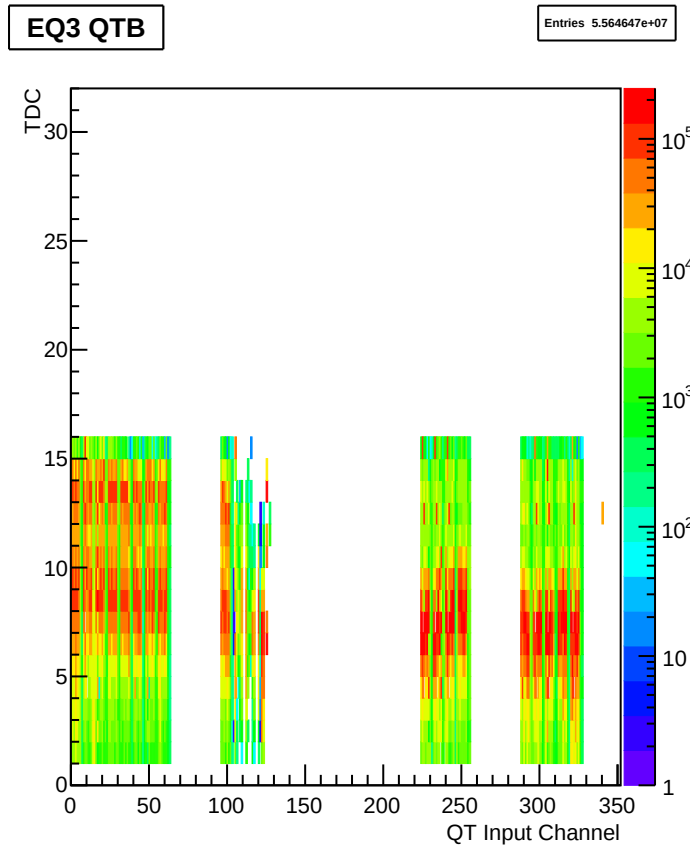

EQ2 QTB
Entries 2.05386e+08
ADC
QT Input Channel

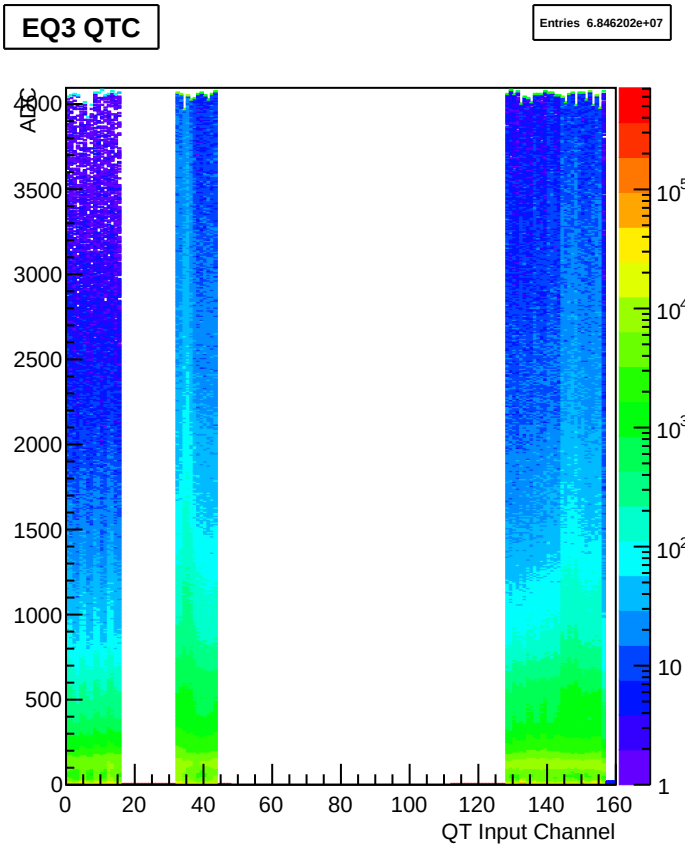

EQ2 QTB
Entries 6.444738e+07
TDC
QT Input Channel

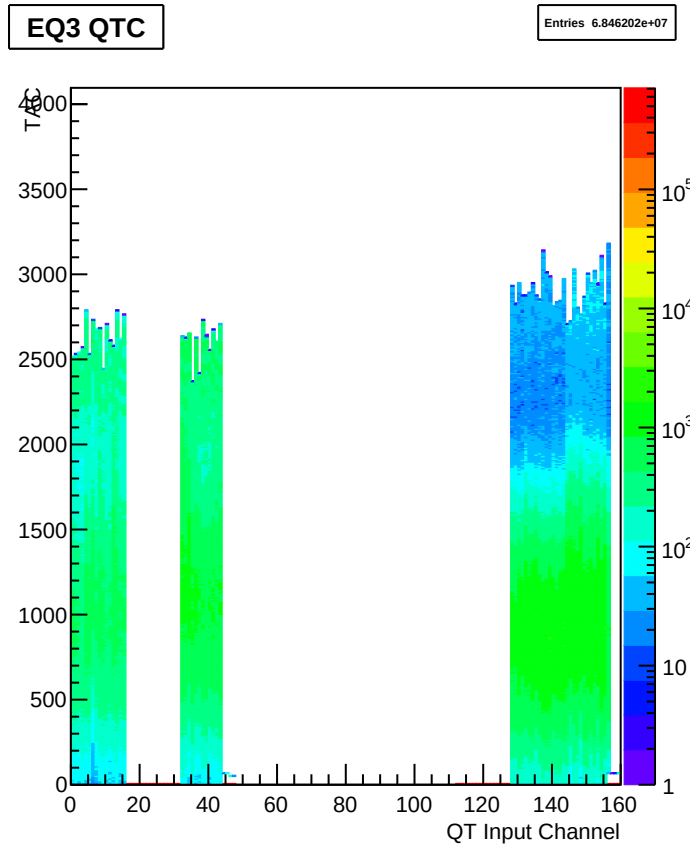

EQ2 QTC
Entries 6.846202e+07
ADC
QT Input Channel

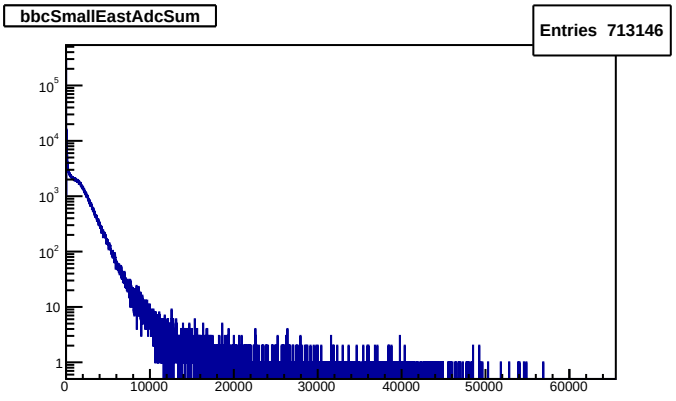

EQ2 QTC
Entries 6.846202e+07
TADC
QT Input Channel

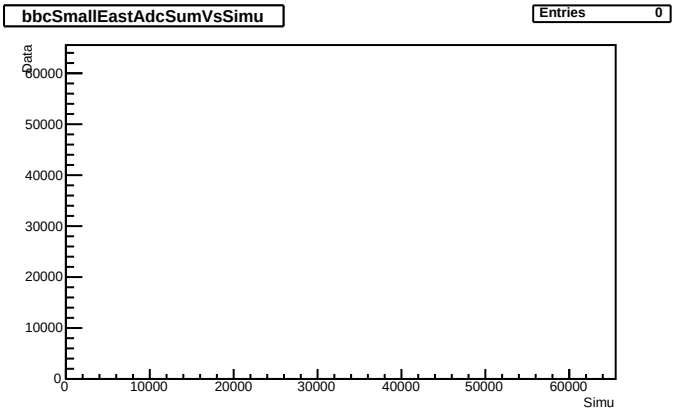

EQ3 QTB
Entries 1.825654e+08
ADC
QT Input Channel

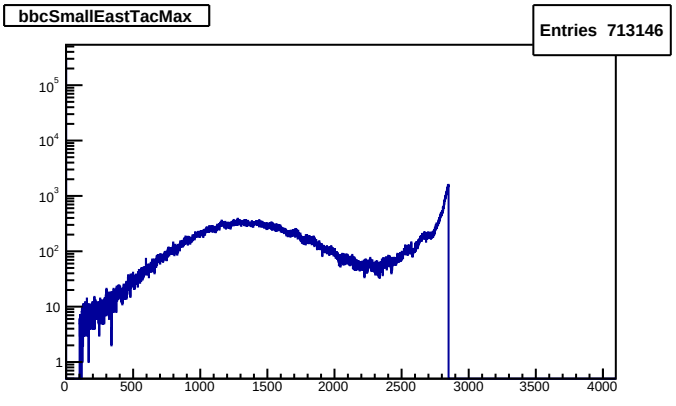

EQ3 QTB
Entries 5.564647e+07
TDC
QT Input Channel

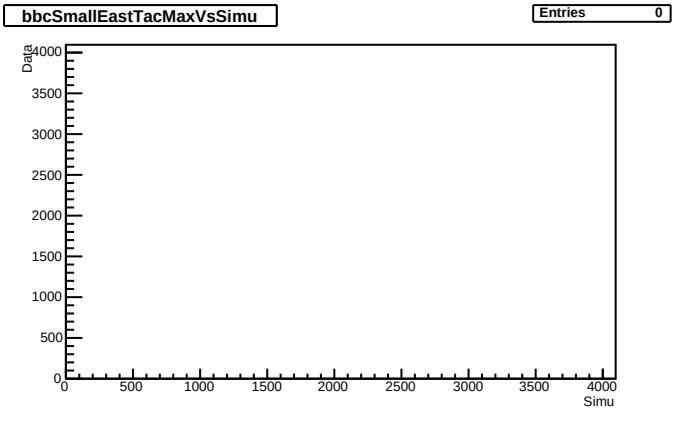

EQ3 QTC
Entries 6.846202e+07
ADC
QT Input Channel


EQ3 QTC
Entries 6.846202e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 713146


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 713146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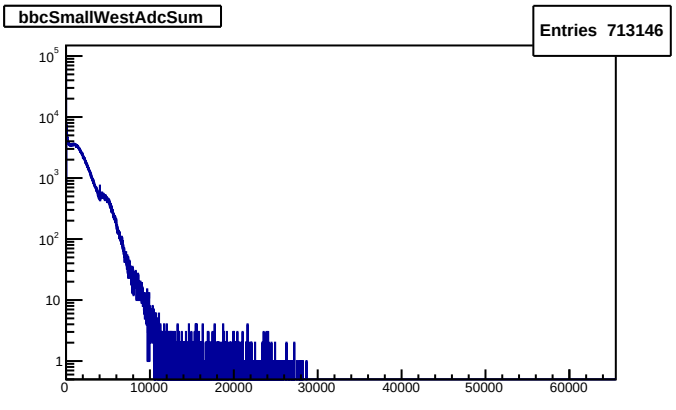
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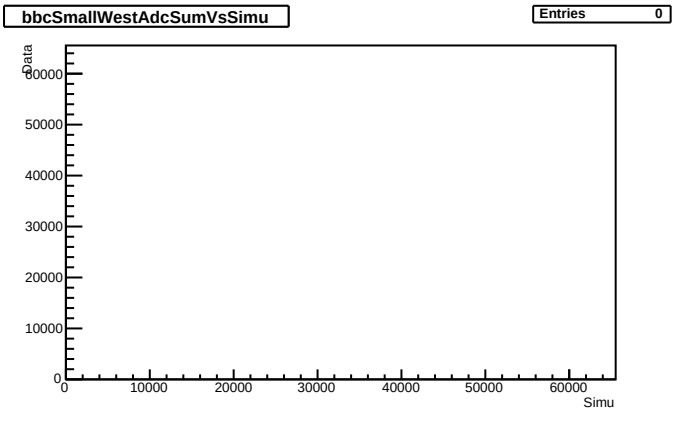
Entries 713146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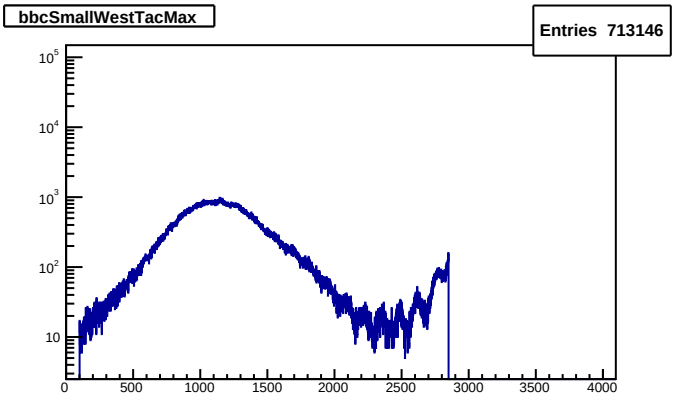
Simu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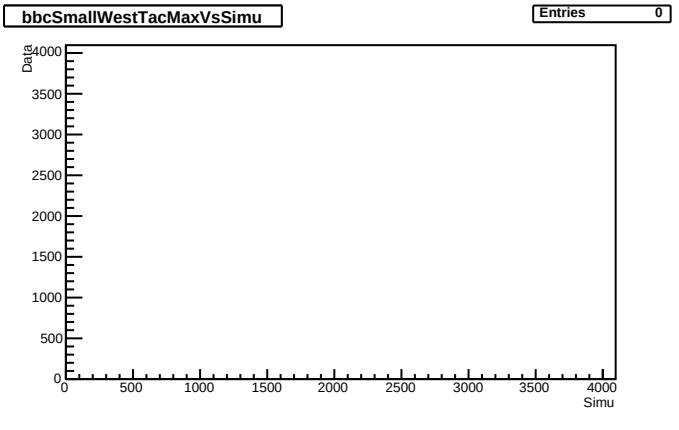
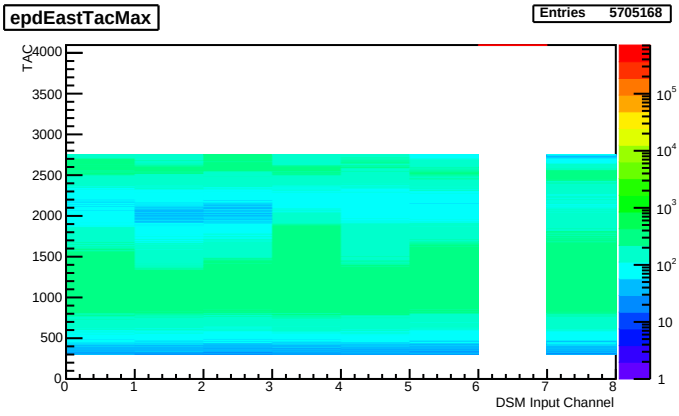
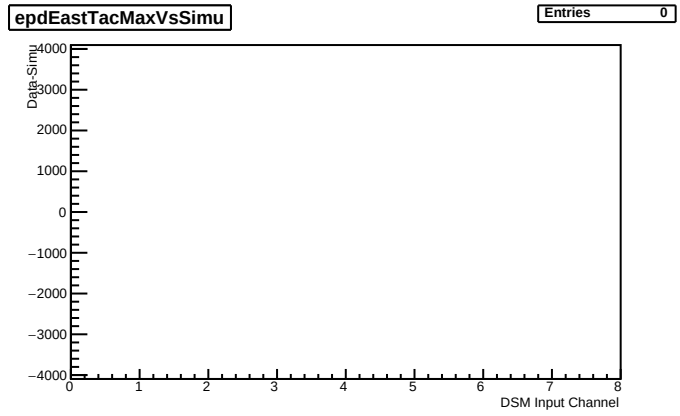
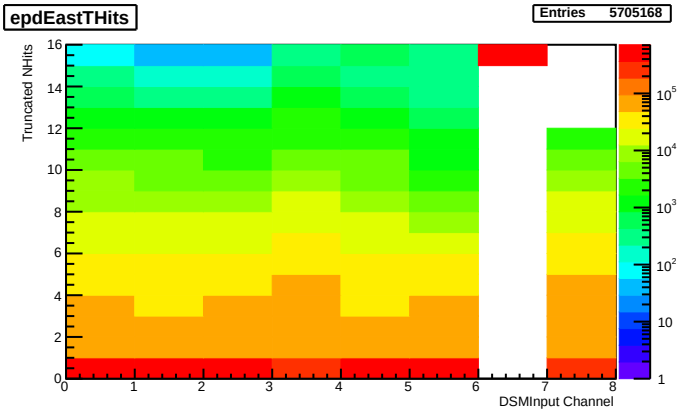
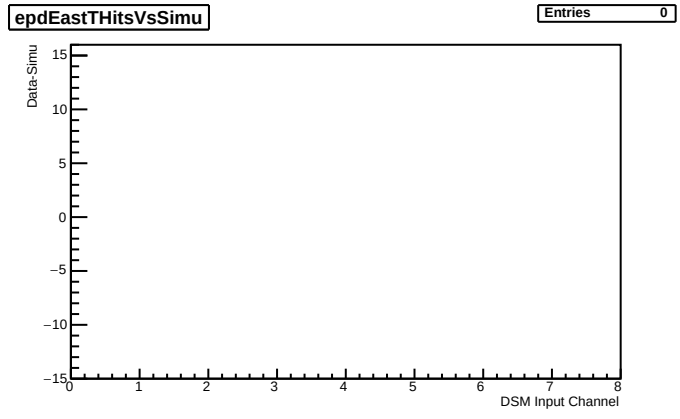
Entries 713146


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 5705168
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 5705168
Truncated NHits
DSMInput Channel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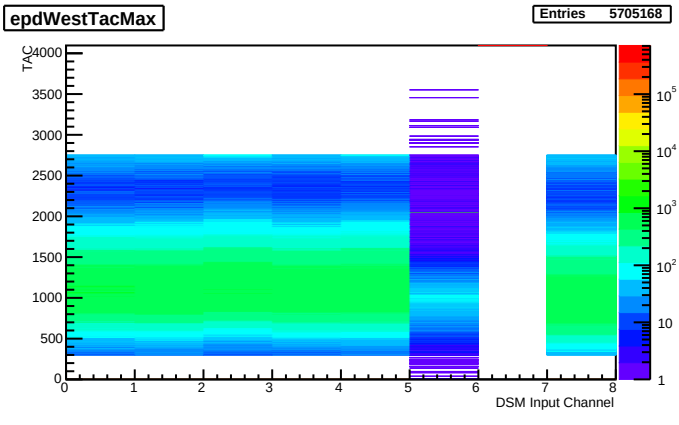
Data-Simu
DSM Input Channel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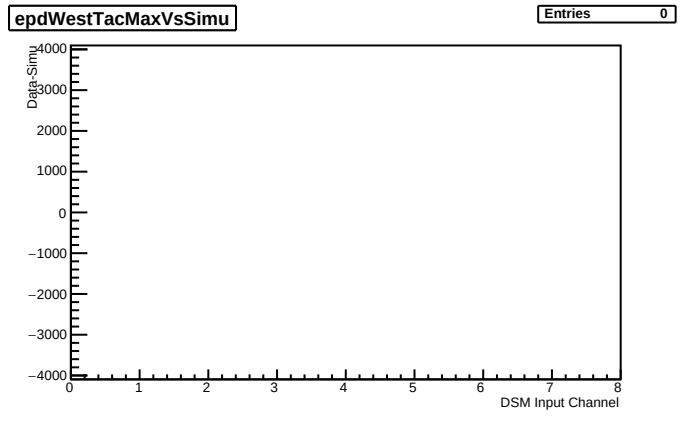
Entries 5705168
TAC
DSM Input Channel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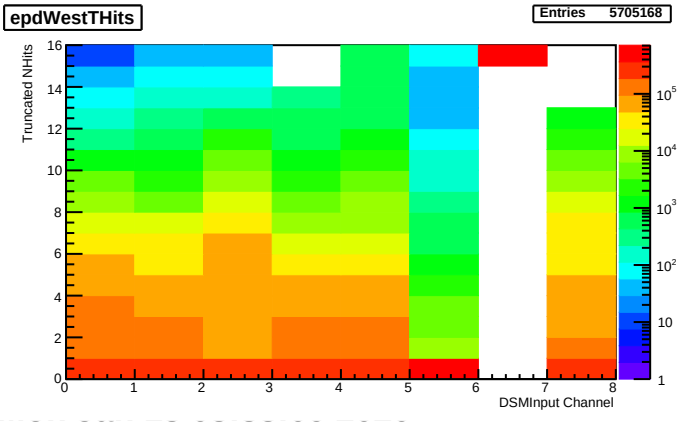
Data-Simu
DSM Input Channel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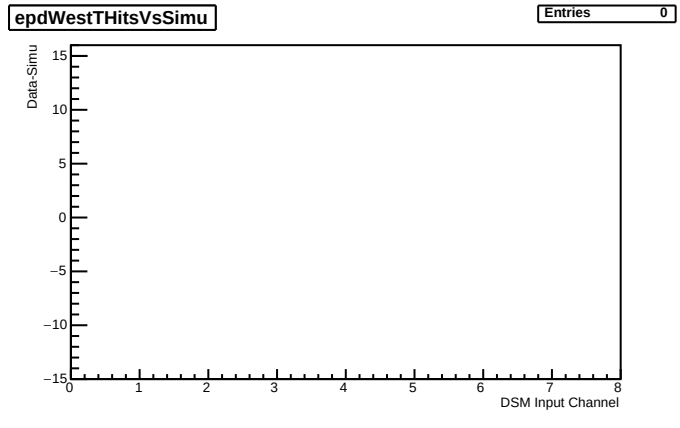
Entries 5705168
Truncated NHits
DSMInput Channel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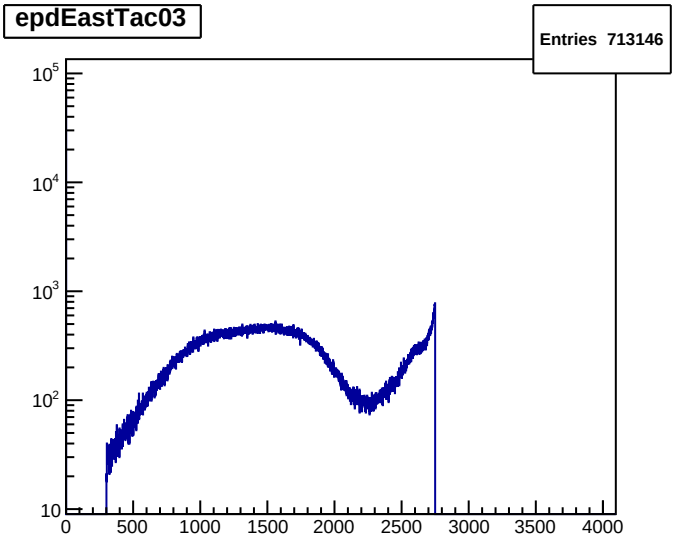
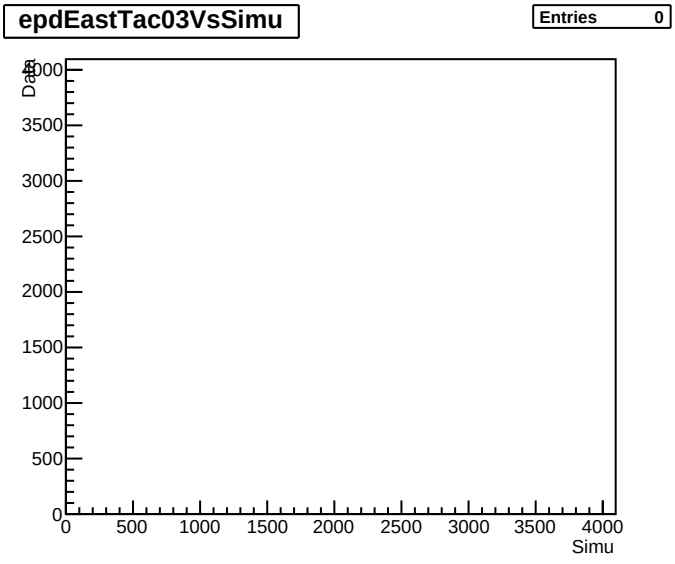
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 713146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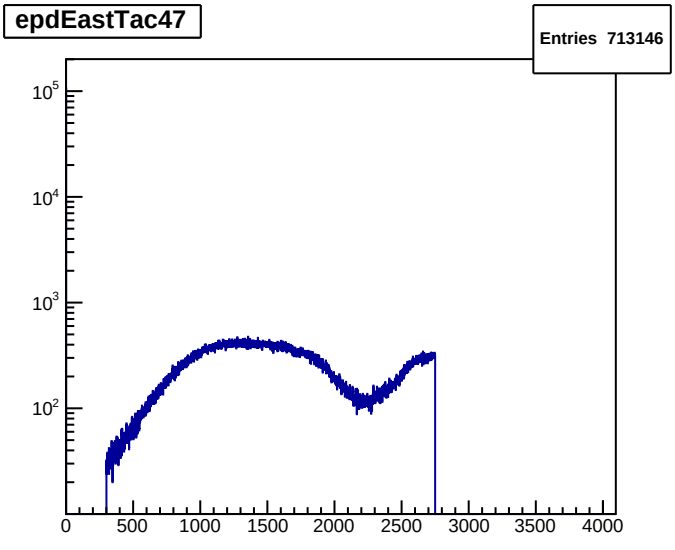
Entries 0
Data
Simu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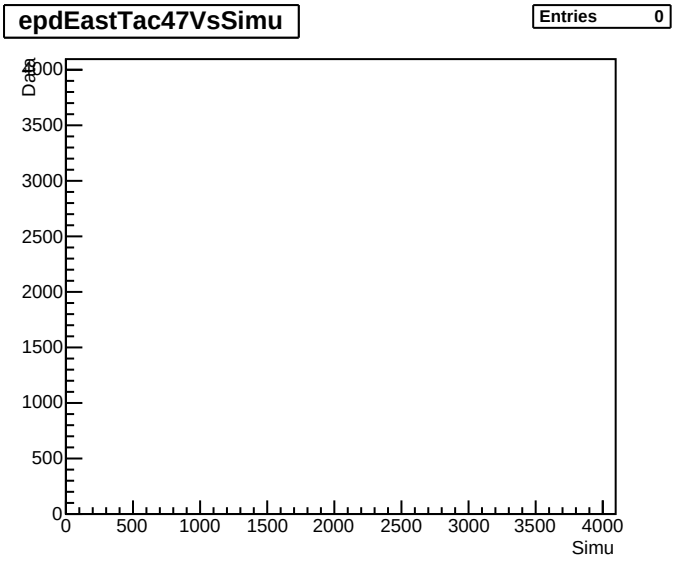
Entries 713146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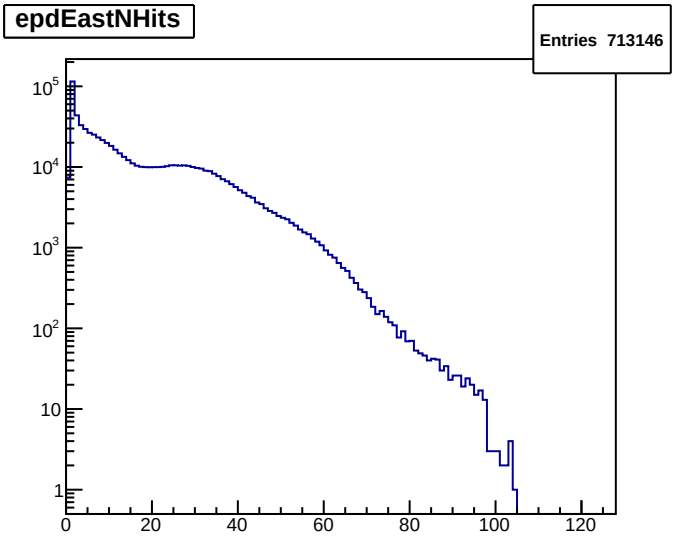
Entries 0
Data
Simu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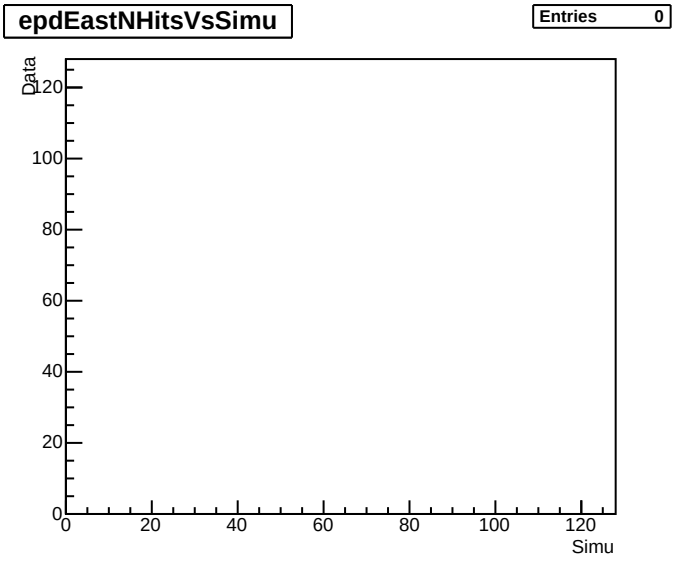
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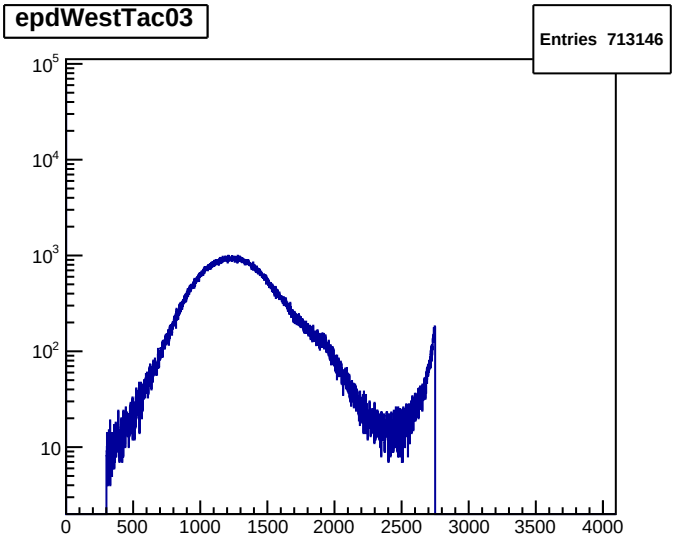
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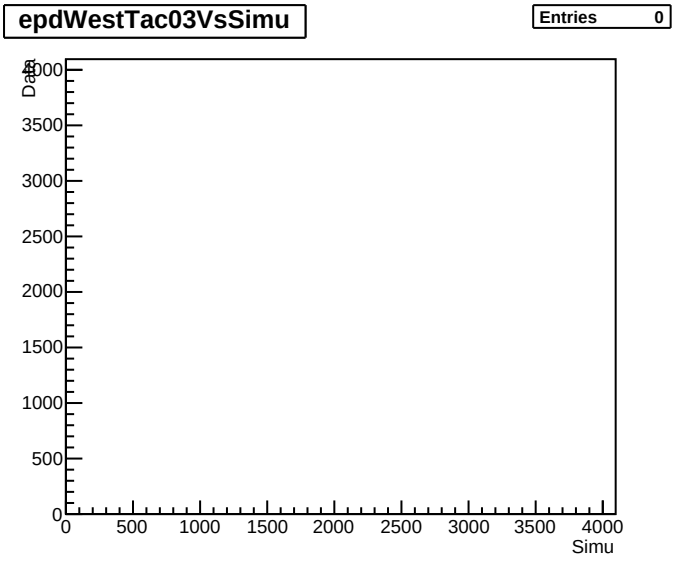
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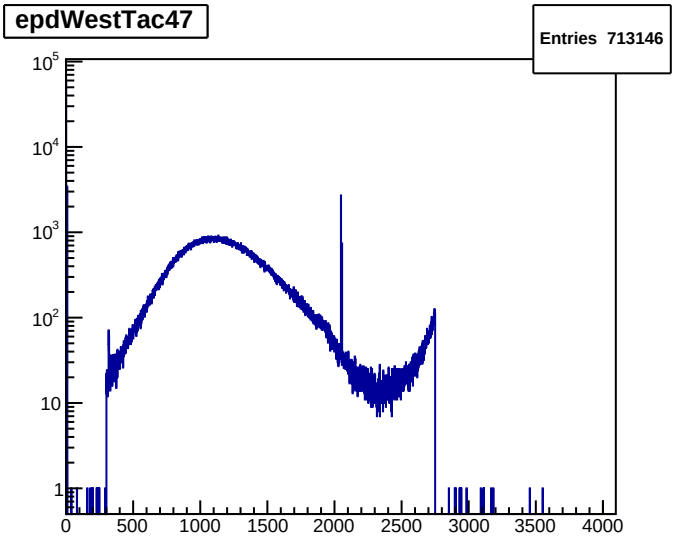
Entries 0
Data
Simu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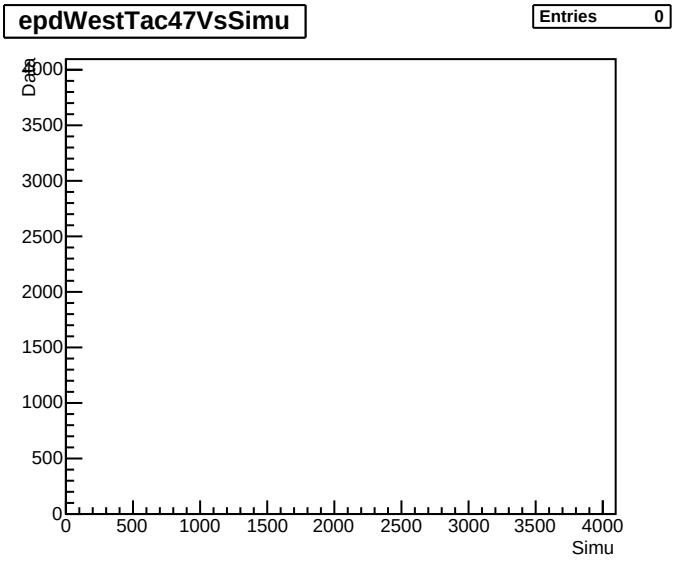
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Data
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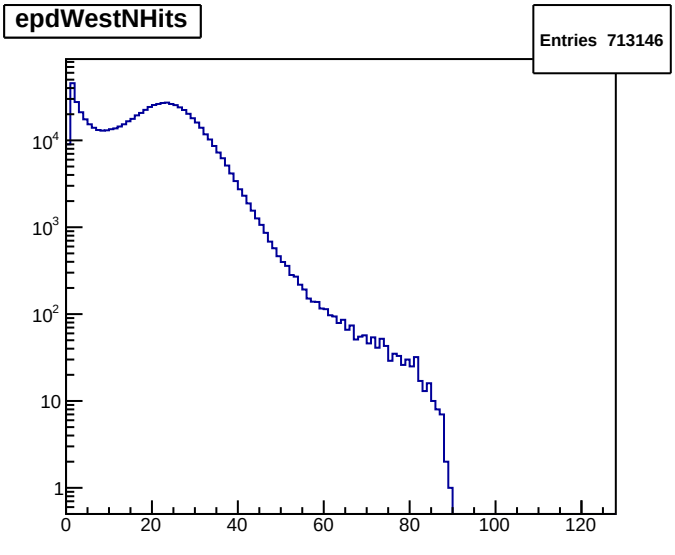
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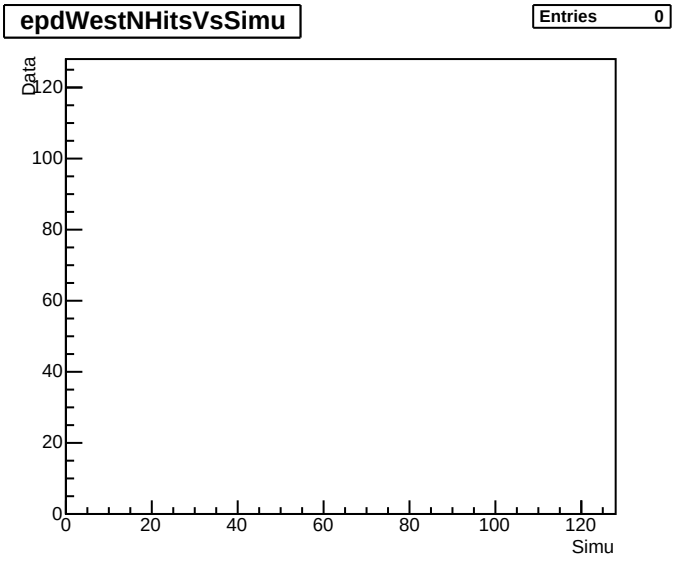
Entries 713146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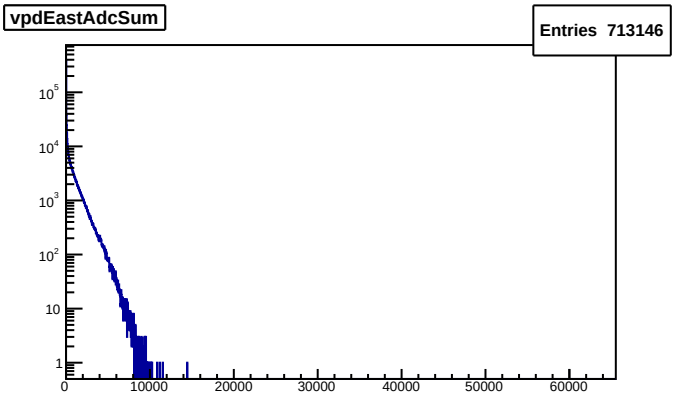
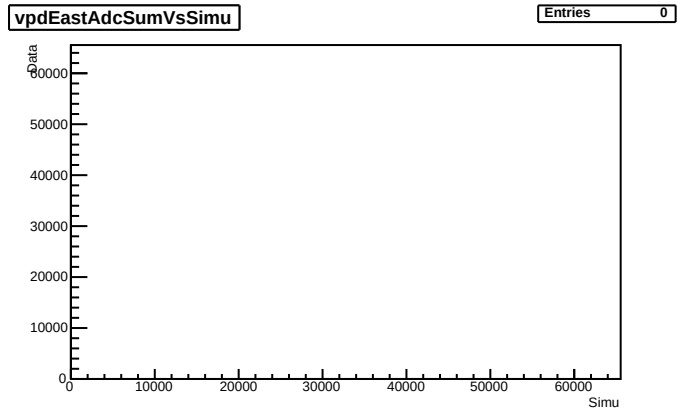
Entries 0
Data
Simu


vpdEastAdcSum
Entries 713146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Entries 0
Data
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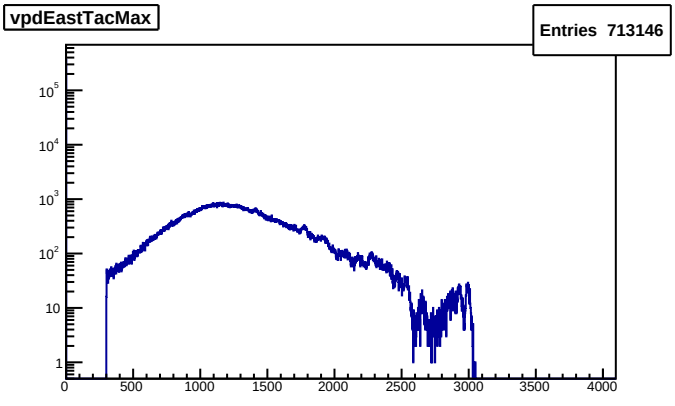
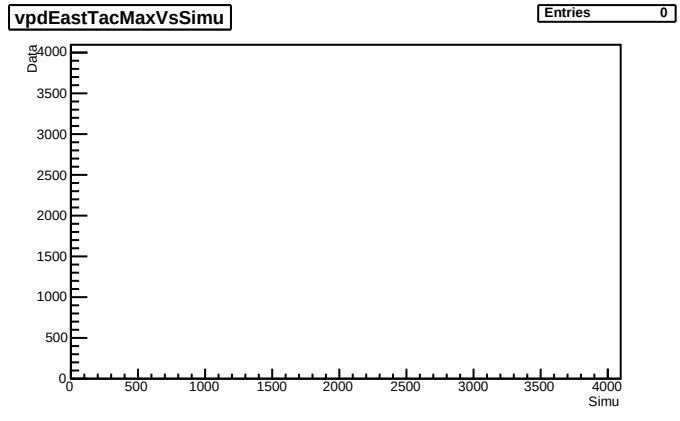

vpdEastTacMax
Entries 713146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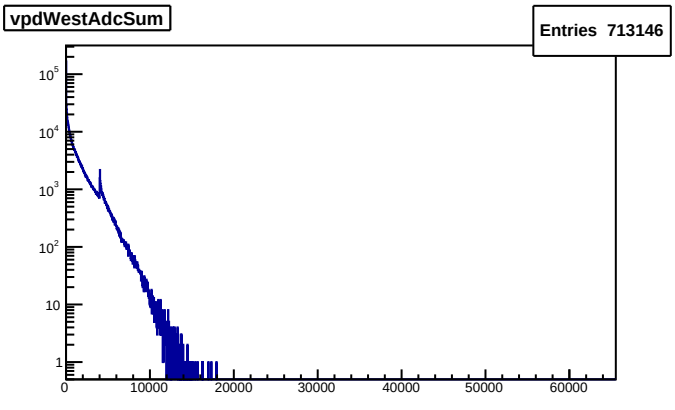
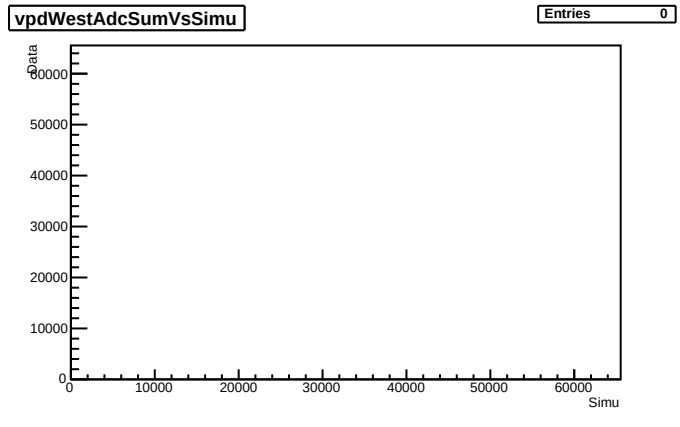
Entries 0
Data
Simu


vpdWestAdcSum
Entries 713146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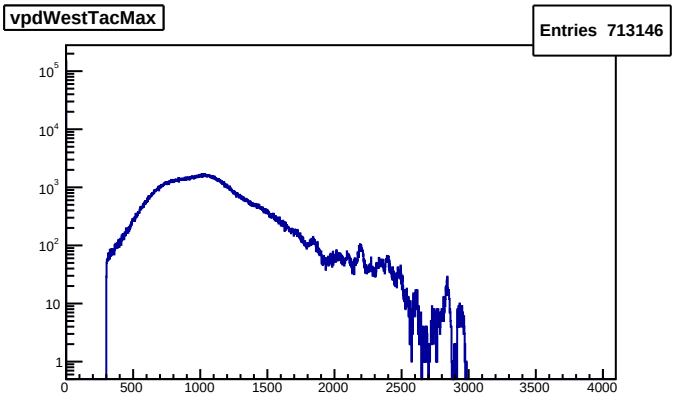
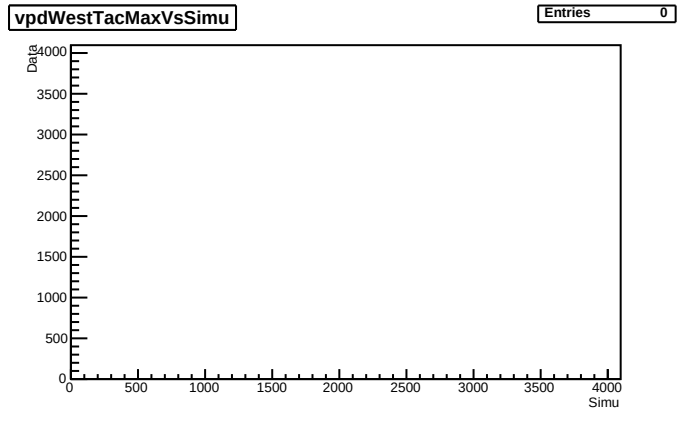
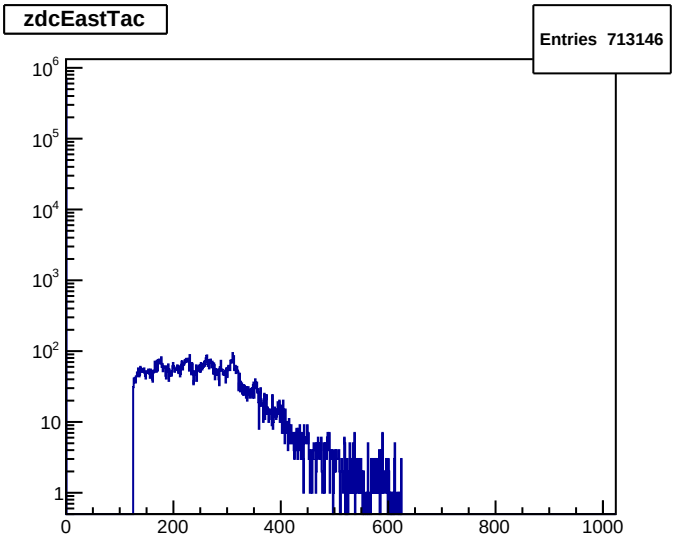
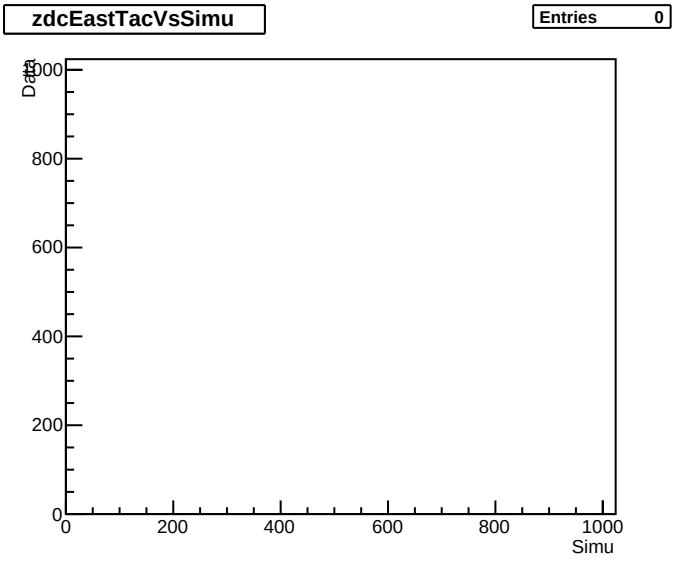
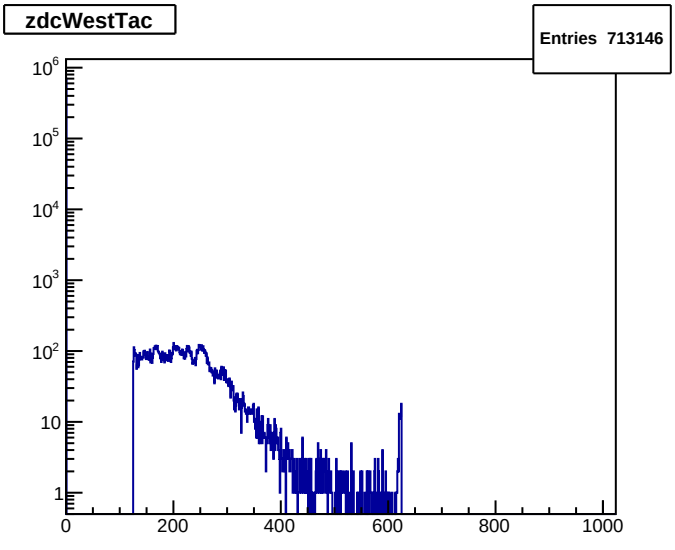
Entries 0
Data
Simu

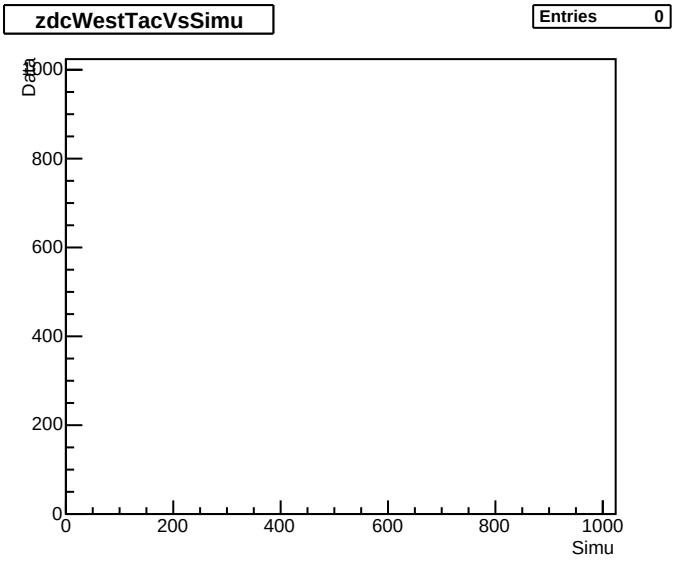

vpdWestTacMax
Entries 713146

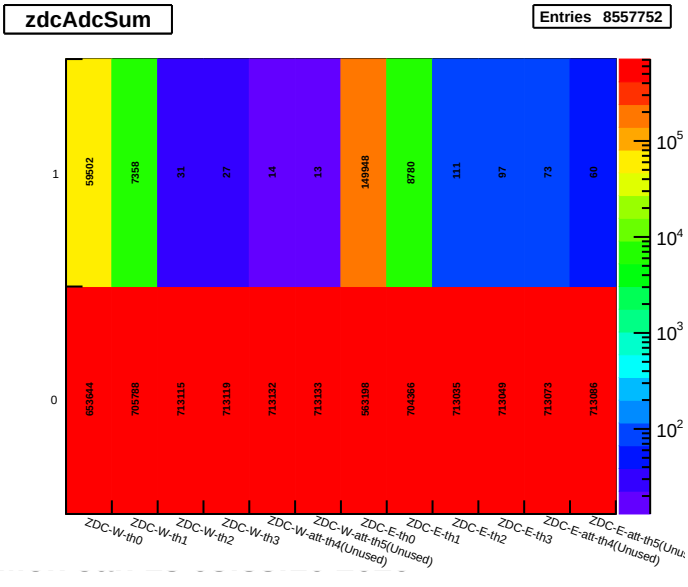

vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 713146


zdcEastTacVsSimu
Entries 0
Data
Simu


zdcWestTac
Entries 713146


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 8557752
59502
7358
31
27
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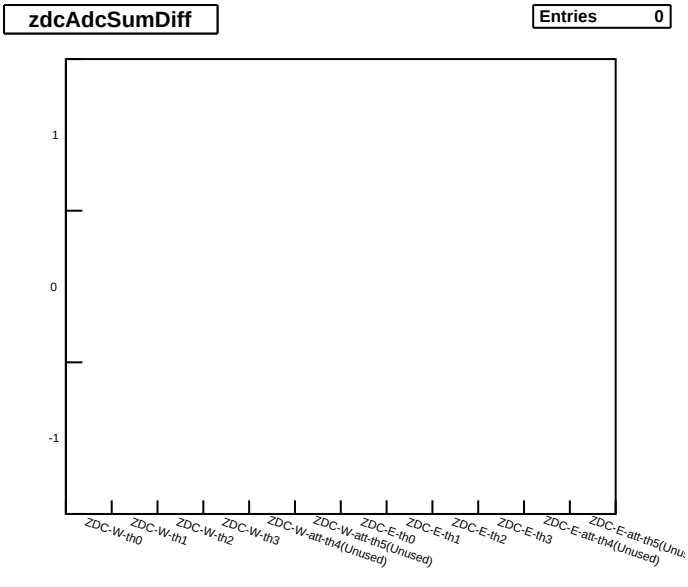
13
149948
8780
111
97
73
60
653644
705788
713115
713119
713132
713133
563198
704366
713035
713049
713073
713086
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)


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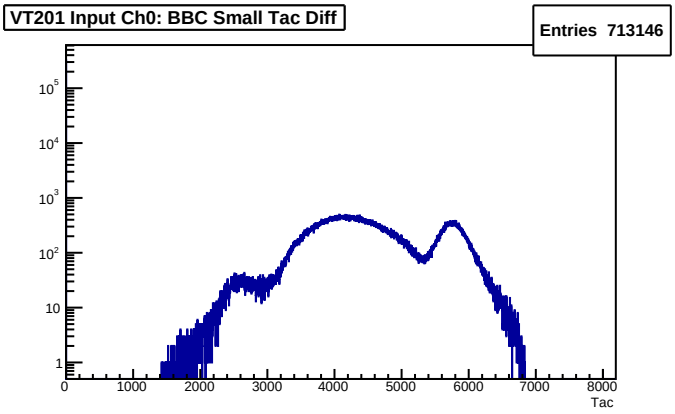
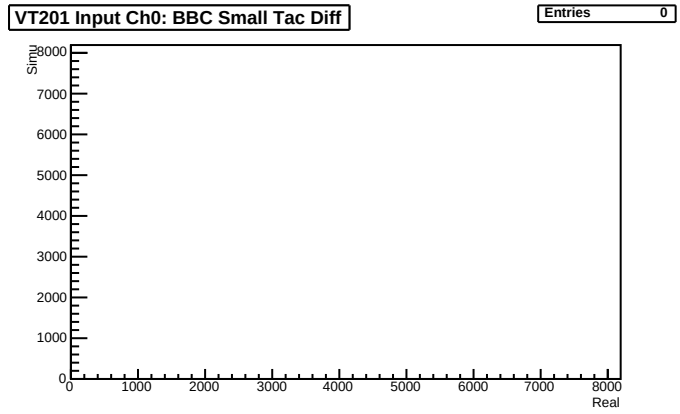
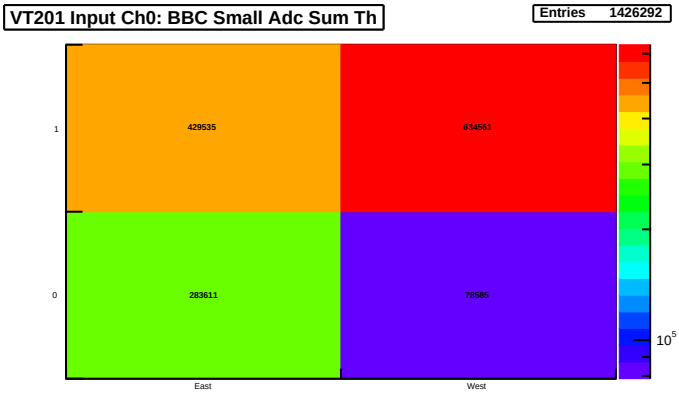
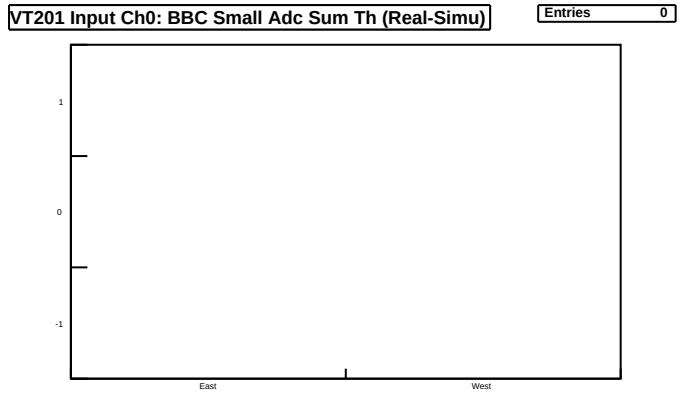
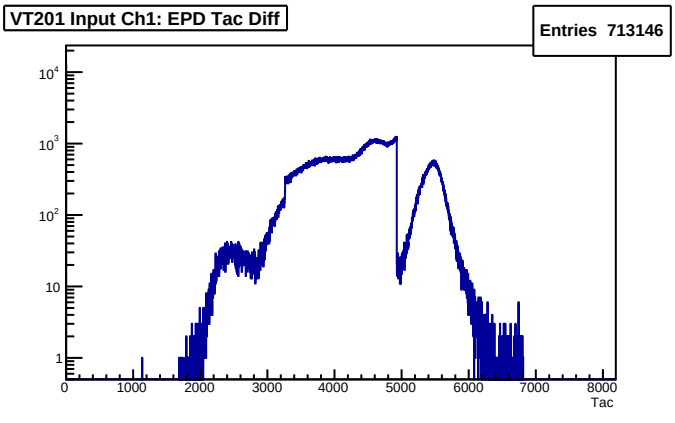
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

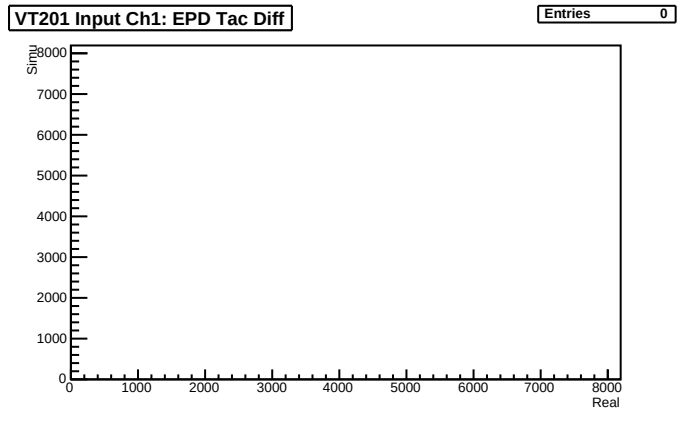

VT201 Input Ch0: BBC Small Tac Diff
Entries 713146
Tac

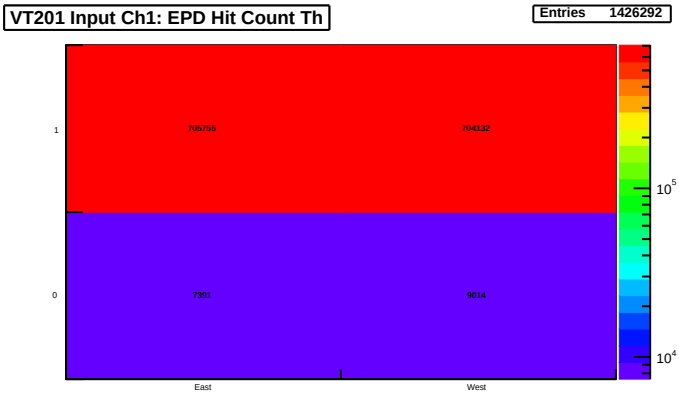

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

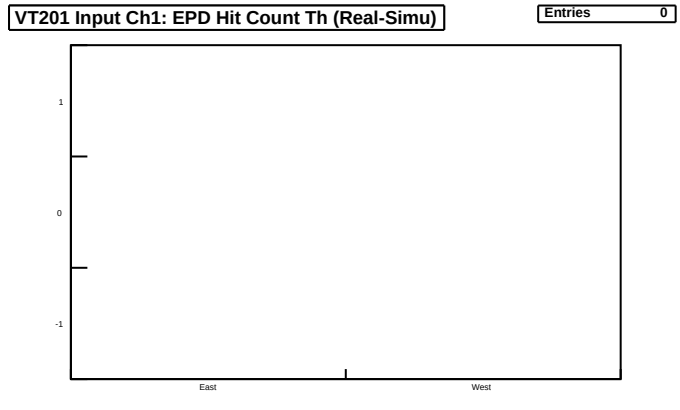

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1426292
429535
634561
283611
78585
East
West

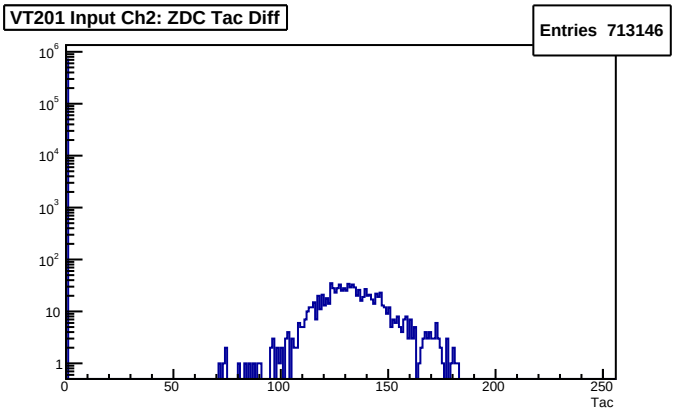

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

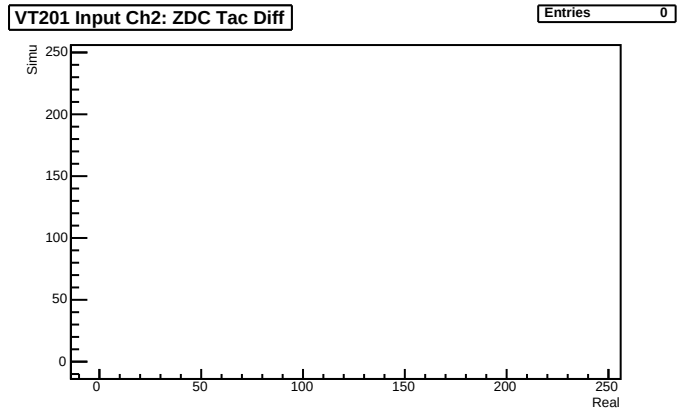

VT201 Input Ch1: EPD Tac Diff
Entries 713146
Tac

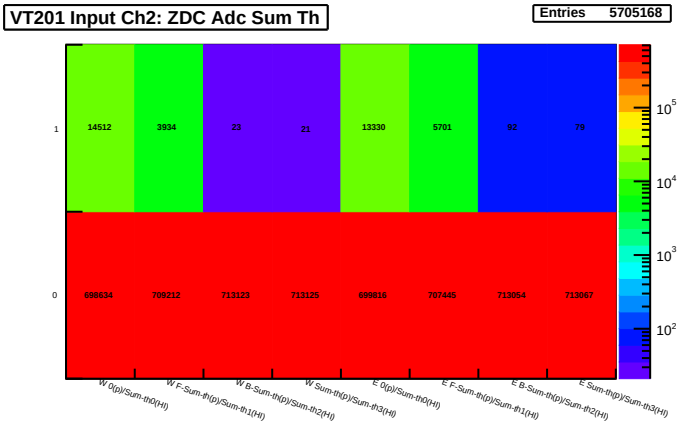

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

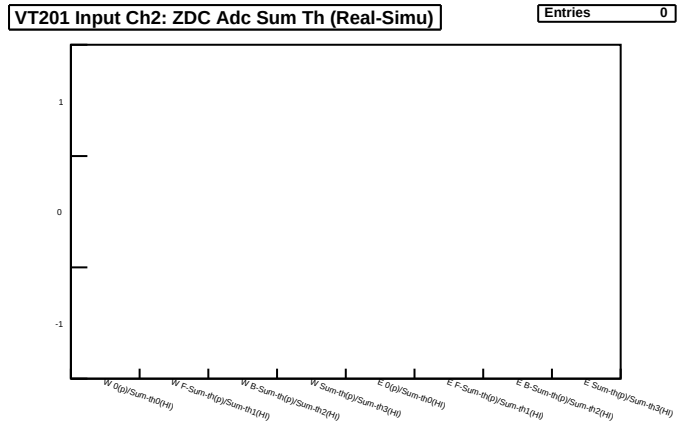

VT201 Input Ch1: EPD Hit Count Th
Entries 1426292
705755
704132
7391
9014
East
West

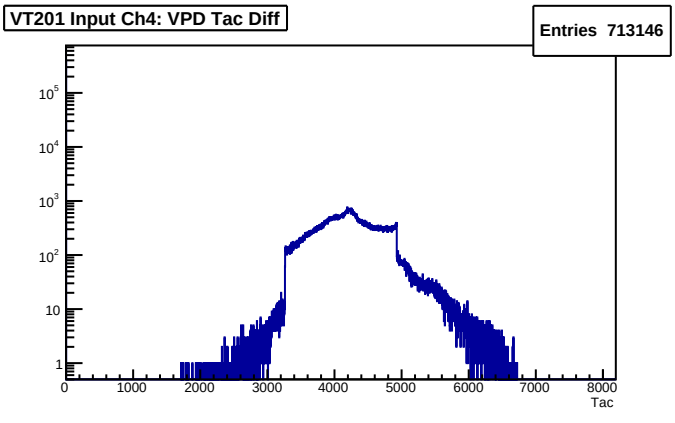

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

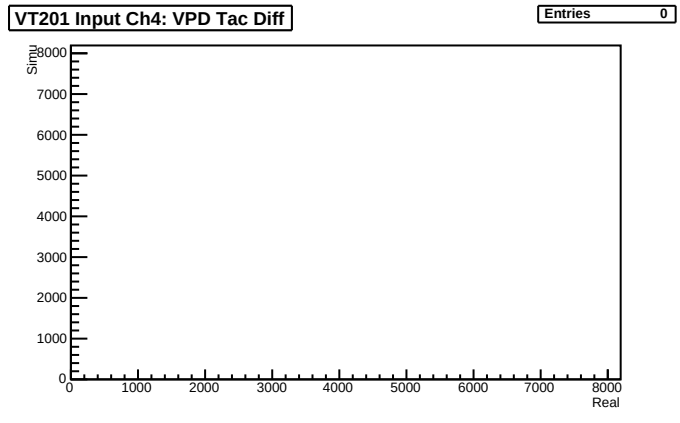

VT201 Input Ch2: ZDC Tac Diff
Entries 713146
Tac

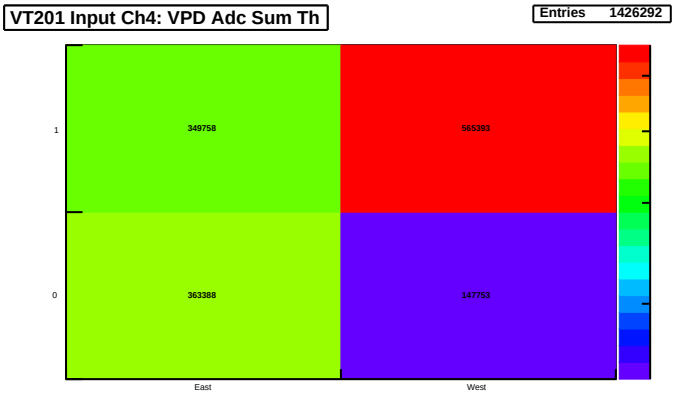

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

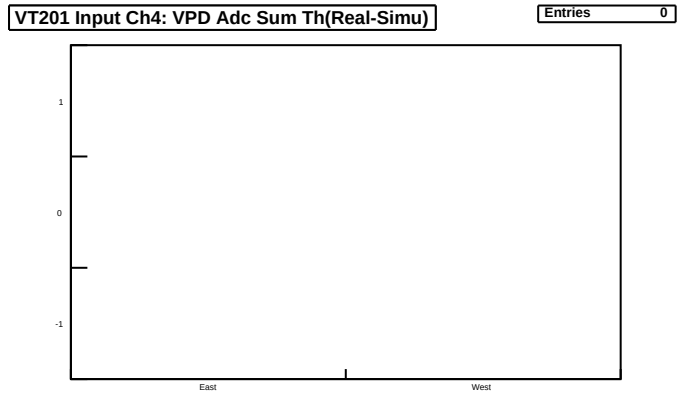

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5705168
14512
3934
23
21
13330
5701
92
79
698634
709212
713123
713125
699816
707445
713054
713067
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

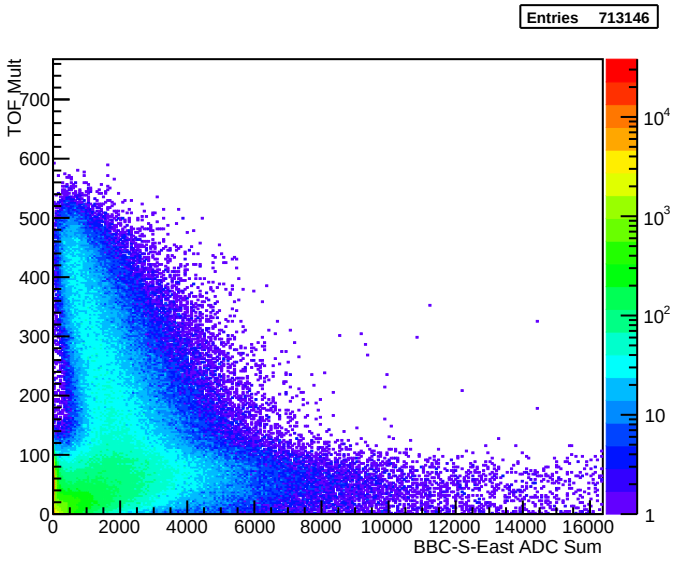

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

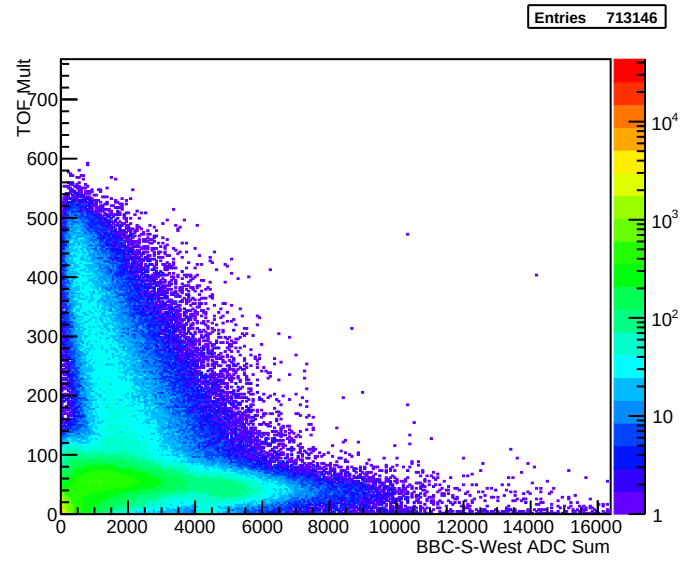

VT201 Input Ch4: VPD Tac Diff
Entries 713146
Tac

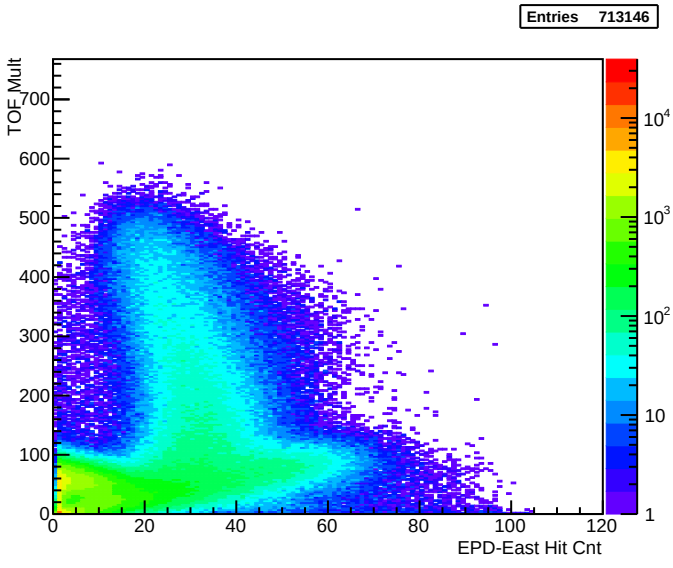

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

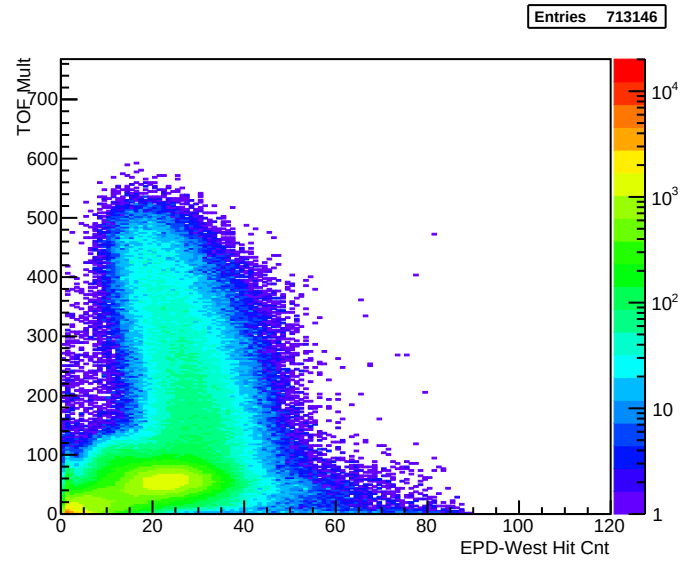

VT201 Input Ch4: VPD Adc Sum Th
Entries 1426292
349758
565393
363388
147753
East
West

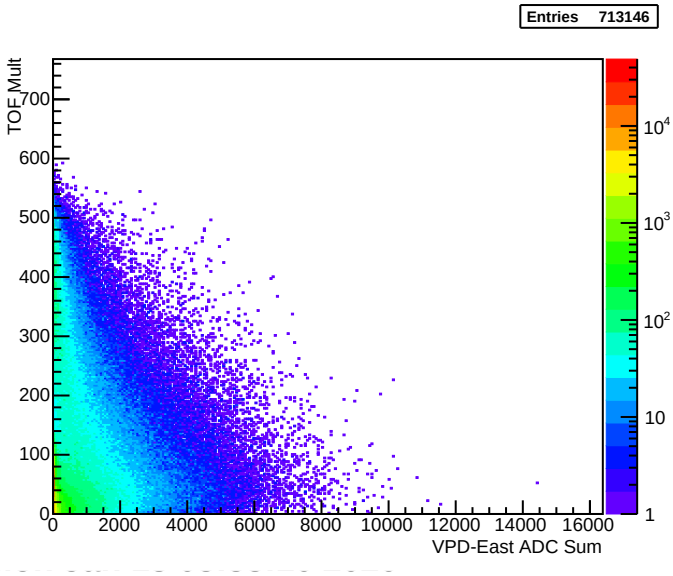

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

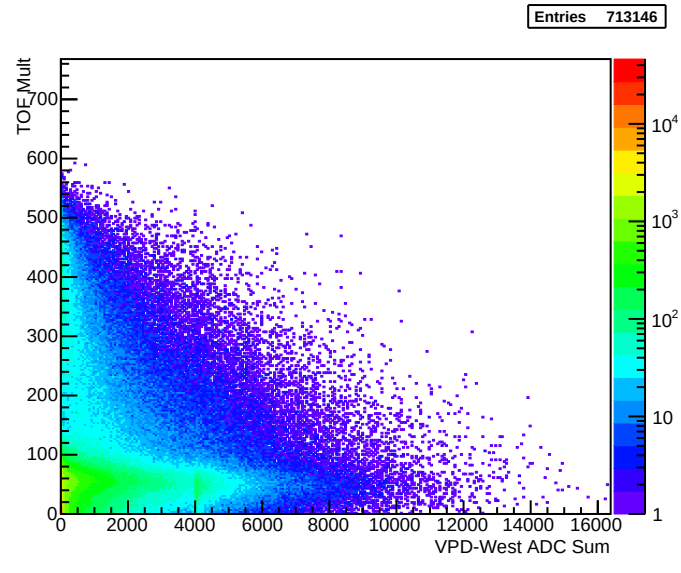

Entries 713146
TOF_Mult
BBC-S-East ADC Sum

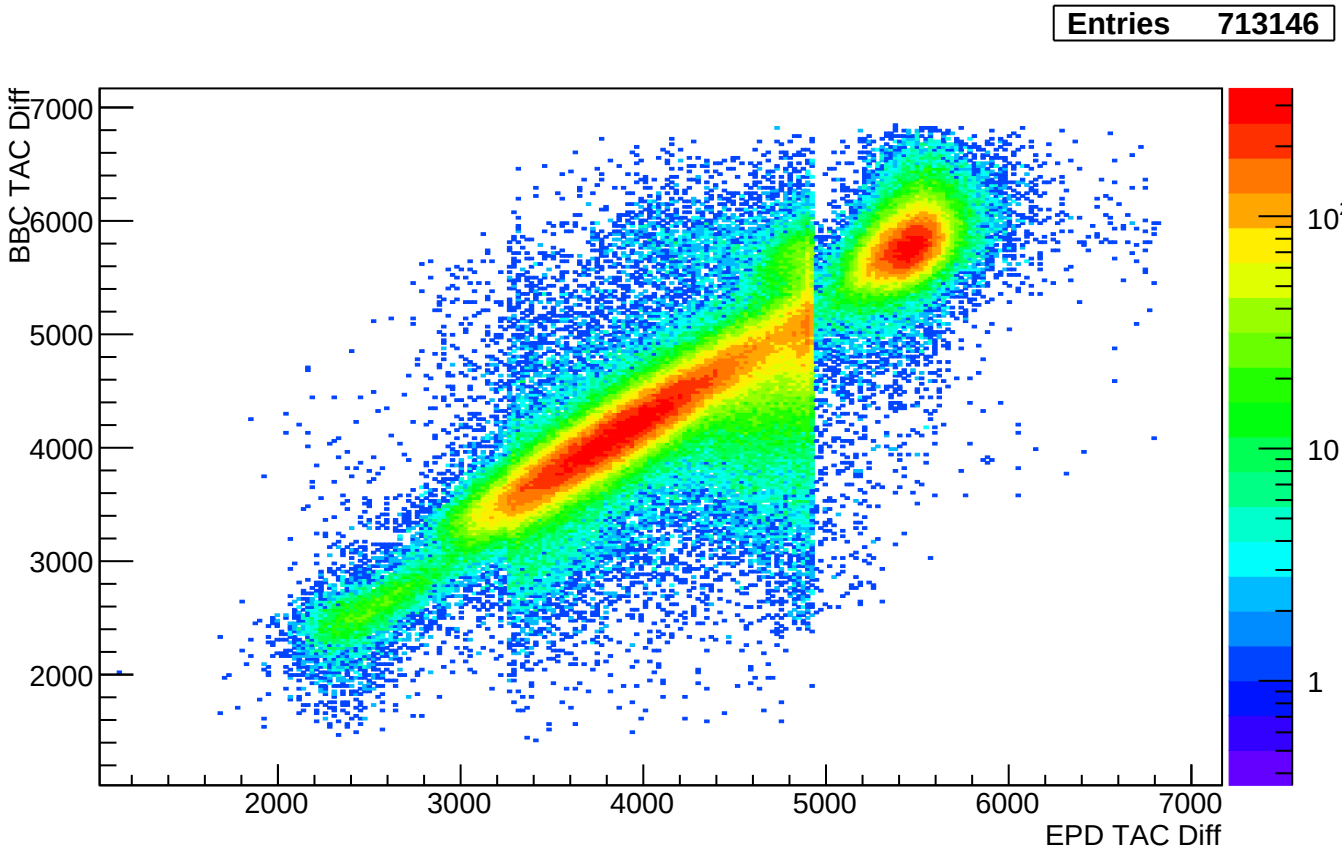

Entries 713146
TOF_Mult
BBC-S-West ADC Sum

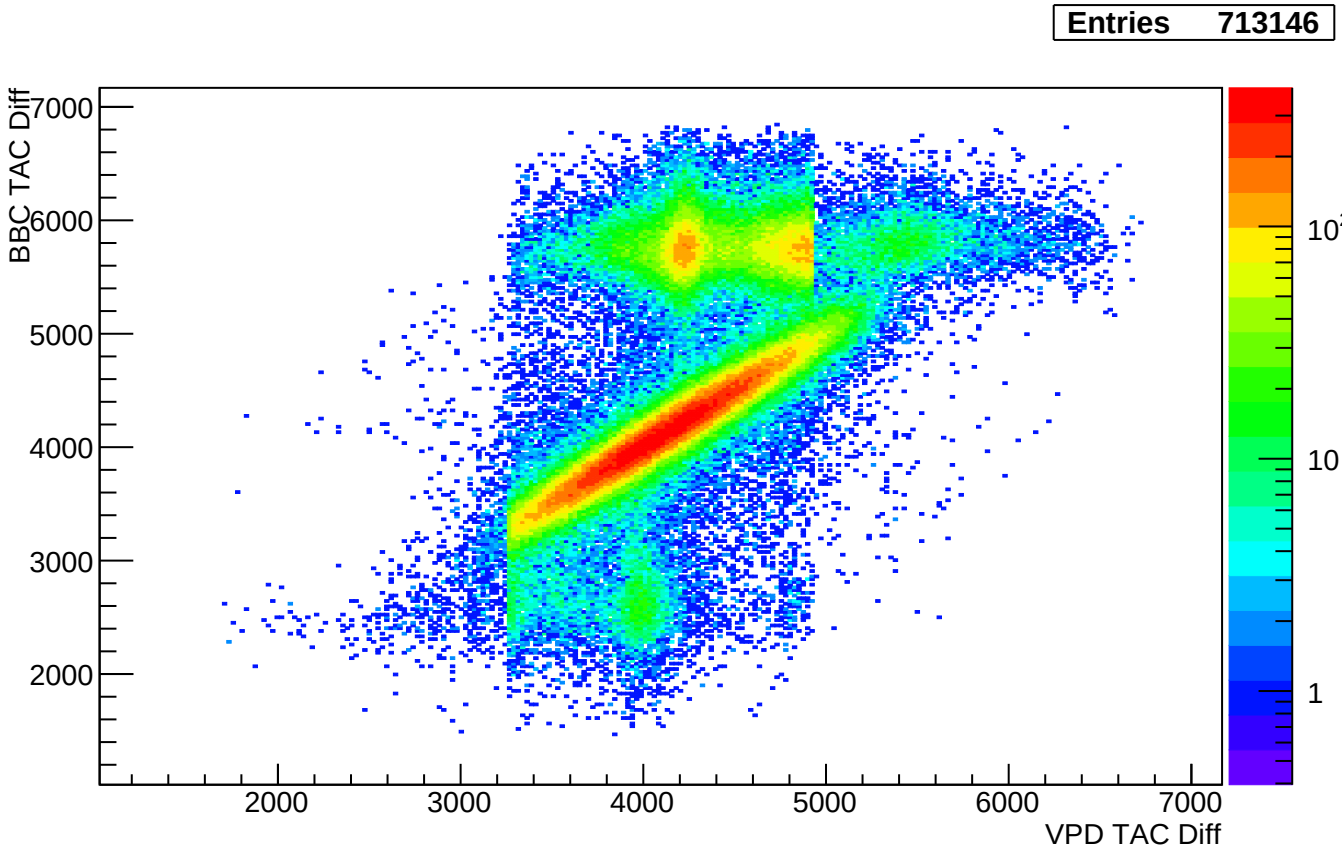

Entries 713146
TOF_Mult
EPD-East Hit Cnt

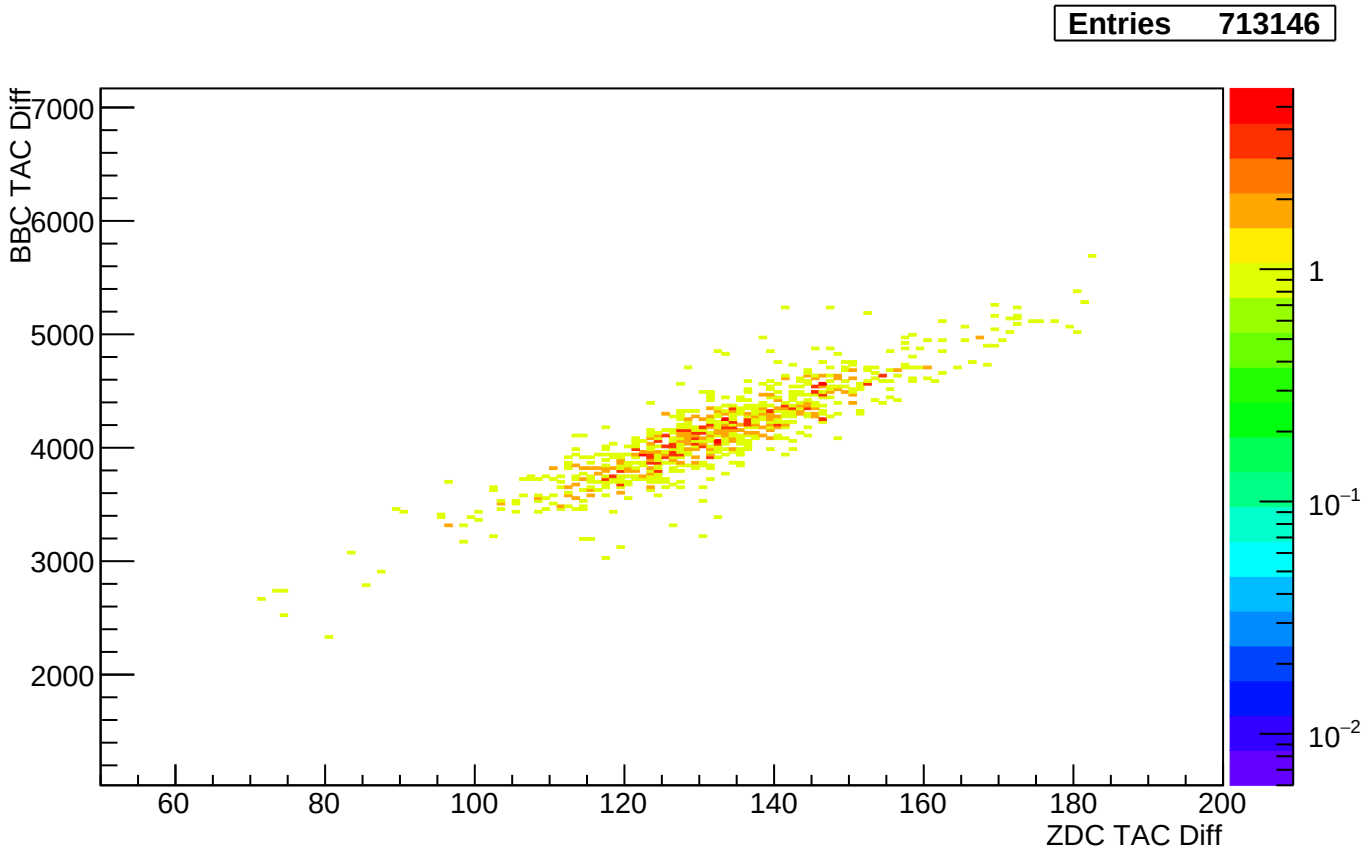

Entries 713146
TOF_Mult
EPD-West Hit Cnt

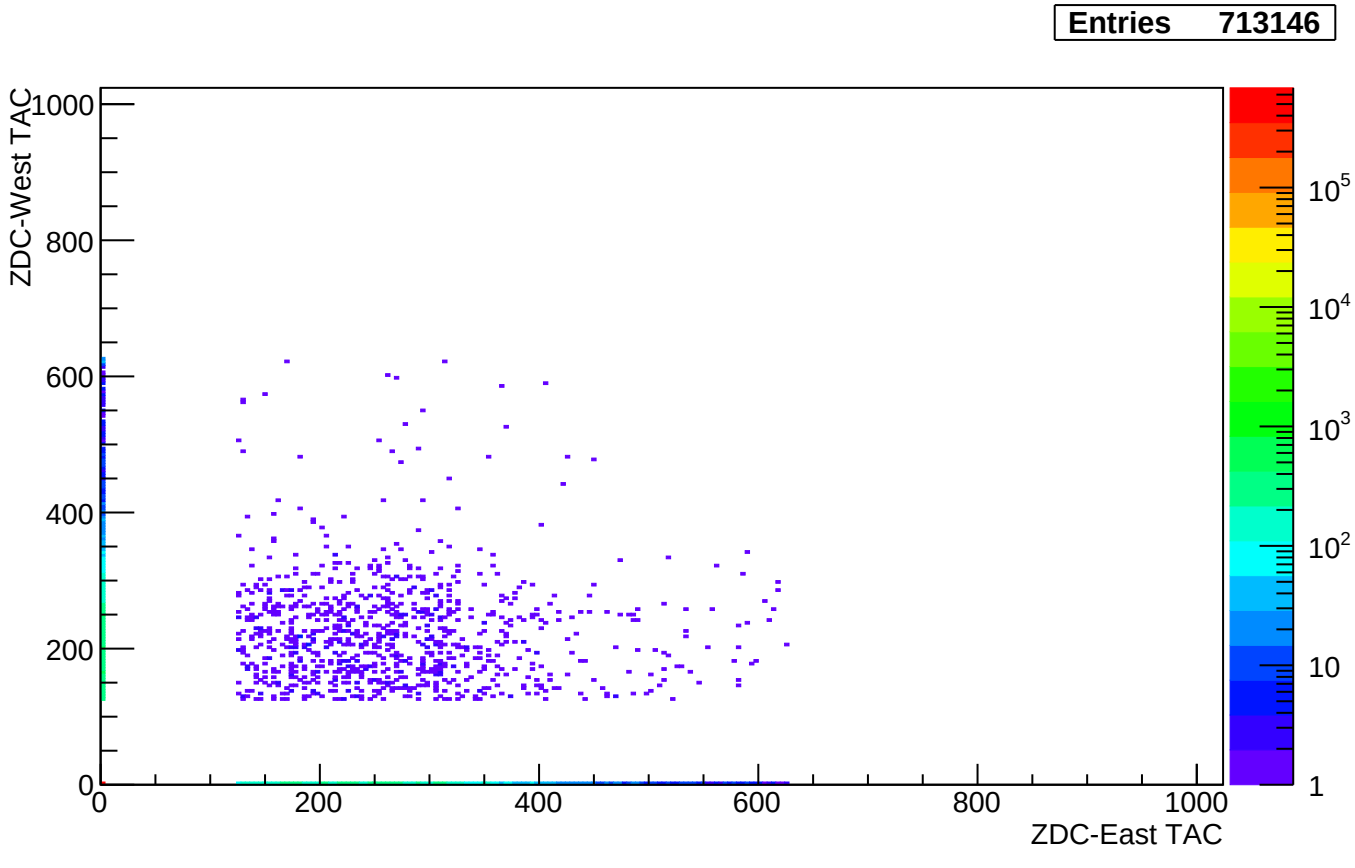

Entries 713146
TOF_Mult
VPD-East ADC Sum

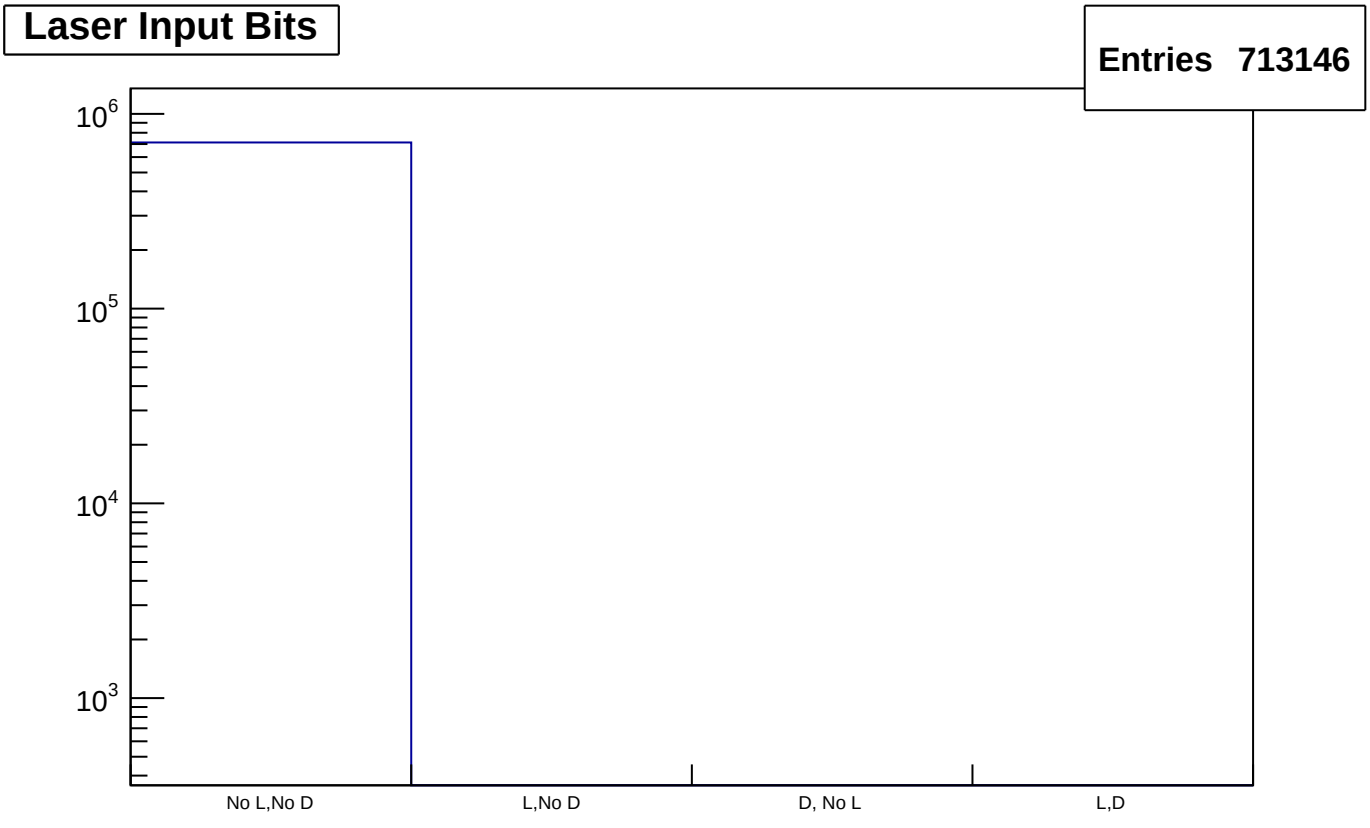

Entries 713146
TOF_Mult
VPD-West ADC Sum

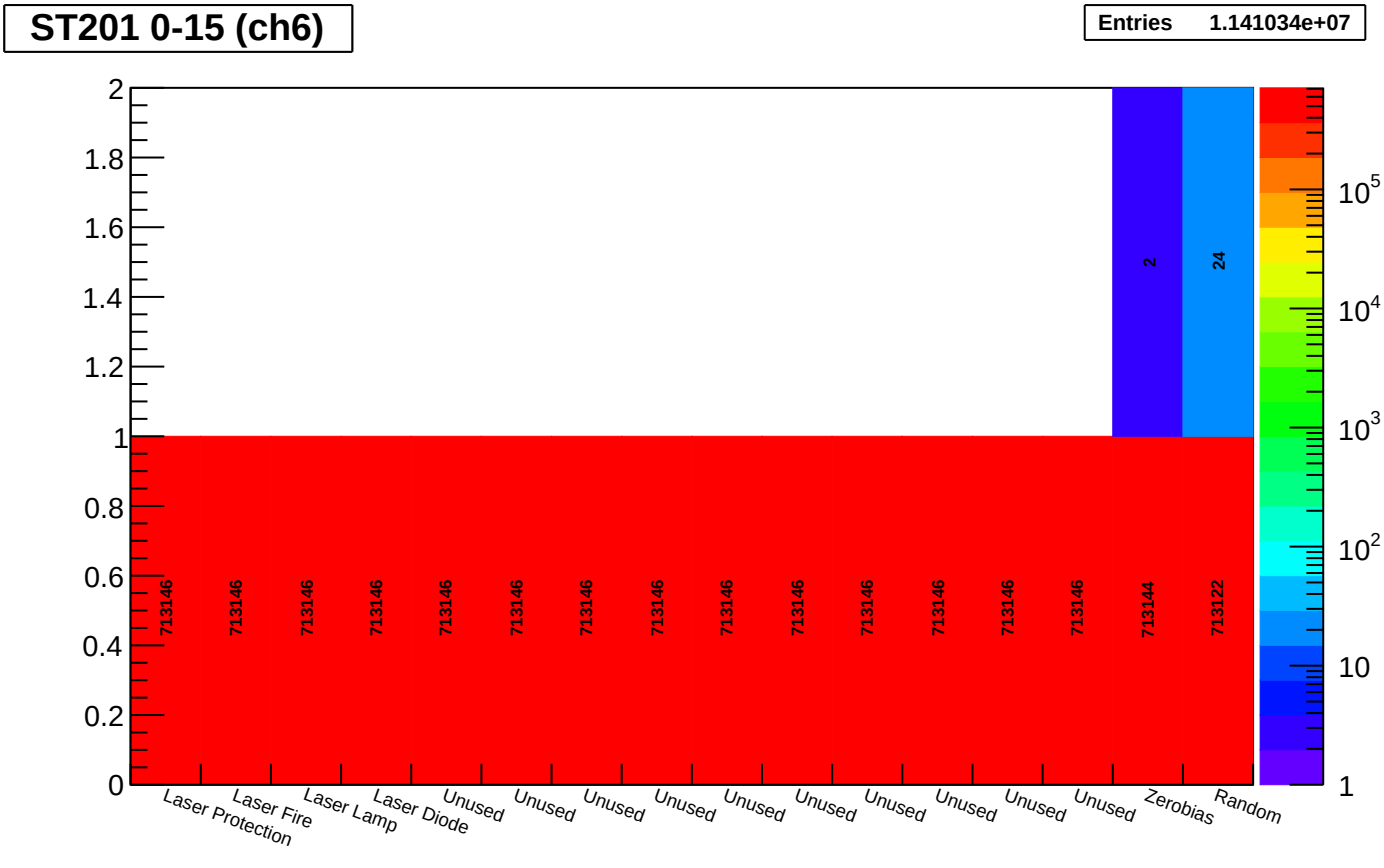

Entries 713146
BBC TAC Diff
EPD TAC Diff
2000
3000
4000
5000
6000
7000
1
10
10^2

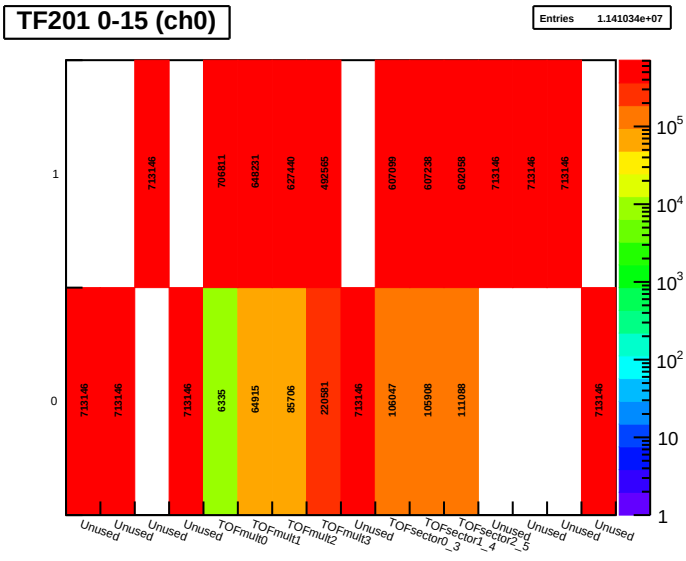

Entries 713146
BBC TAC Diff
VPD TAC Diff
2000
3000
4000
5000
6000
7000
1
10
10^2

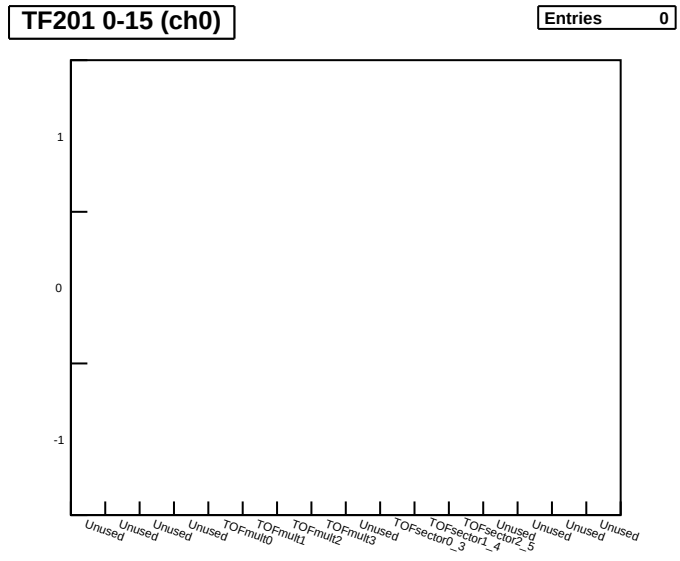

Entries 713146
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

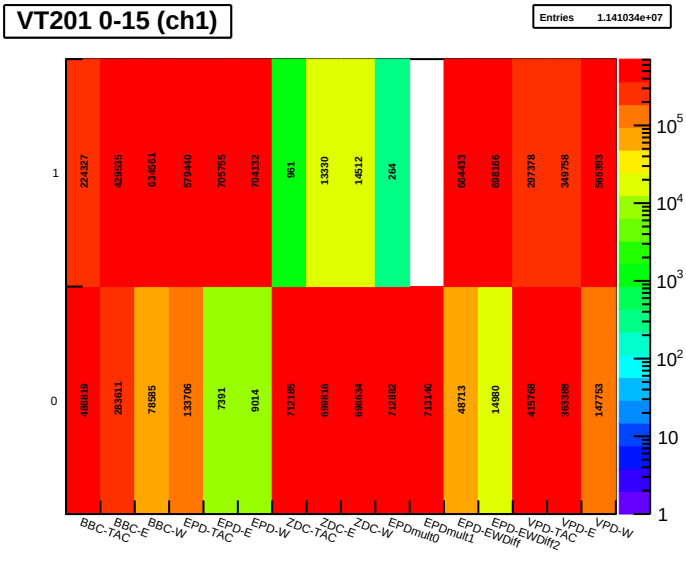

Entries 713146
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

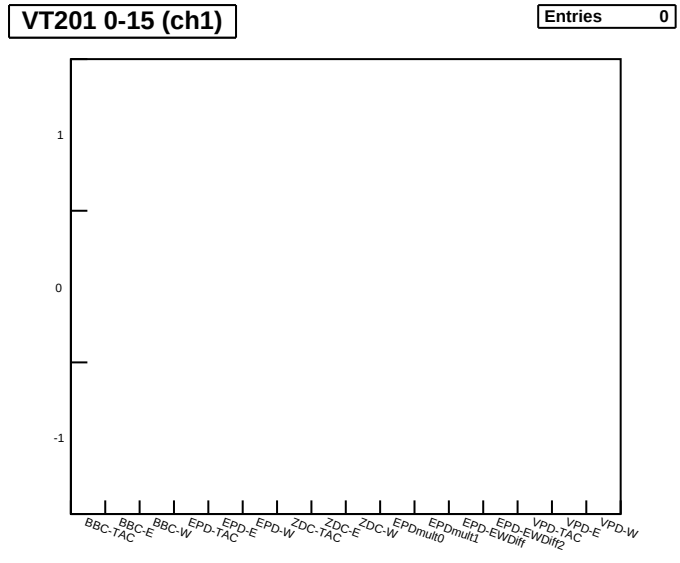

Laser Input Bits
Entries 713146
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

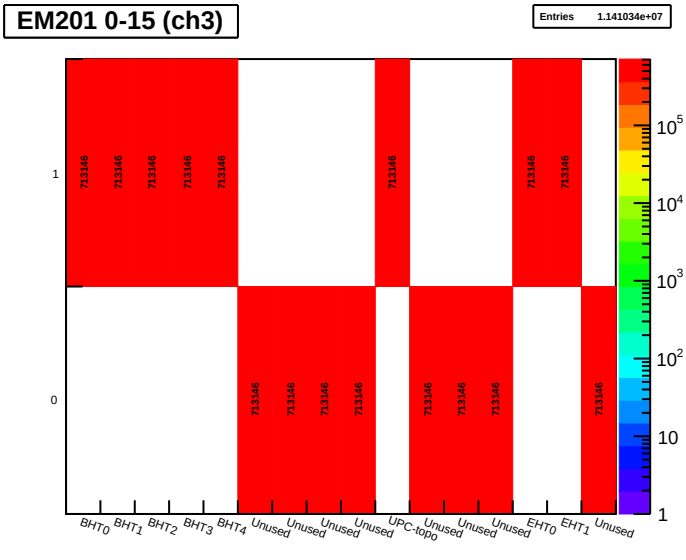

ST201 0-15 (ch6)
Entries 1.141034e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
713146
713146
713146
713146
713146
713146
713146
713146
713146
713146
713146
713146
713146
713146
713144
713122
2
24
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

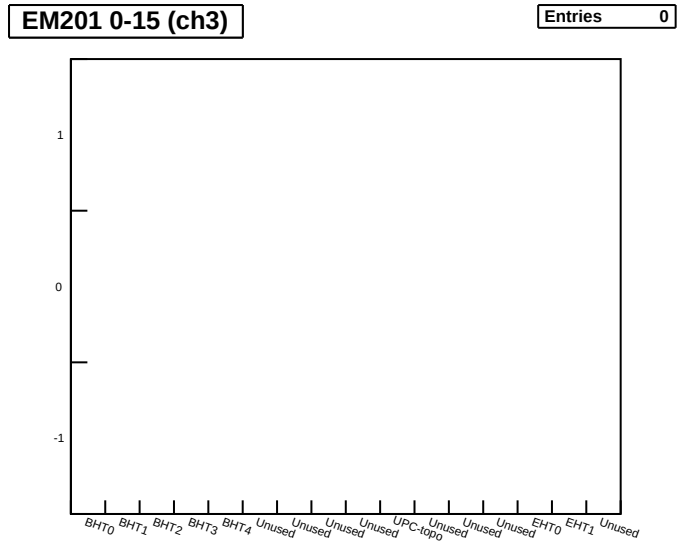

TF201 0-15 (ch0)
Entries 1.141034e+07
1
0
713146 713146 713146 706811 648231 627440 492565 607099 607238 602058 713146 713146 713146
713146 713146 713146 6335 64915 85706 220581 713146 106047 105908 111088 713146
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^5 10^4 10^3 10^2 10 1


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


VT201 0-15 (ch1)
Entries 1.141034e+07
1
0
224327 429535 634561 579440 705755 704132 961 13330 14512 264 664433 698166 297378 349758 565383
488819 283611 78585 133706 7391 9014 712185 699816 698634 712882 713146 48713 14980 415768 363388 147753
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 1.141034e+07
1
0
713146 713146 713146 713146 713146 713146 713146 713146 713146
713146 713146 713146 713146 713146 713146 713146 713146
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
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 Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused