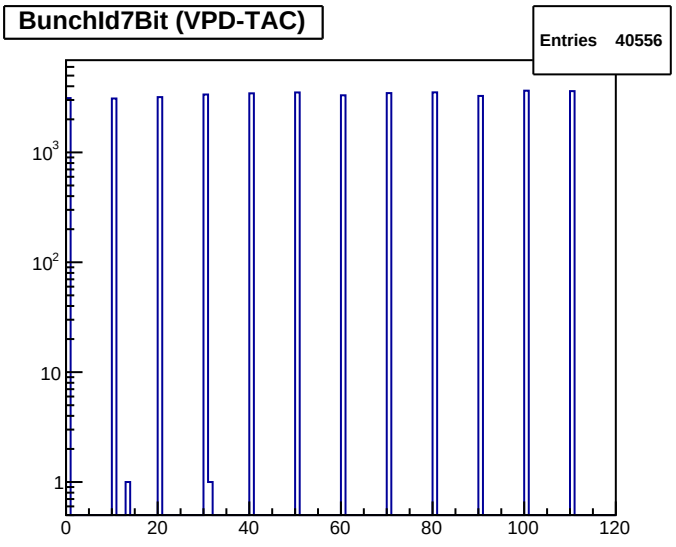
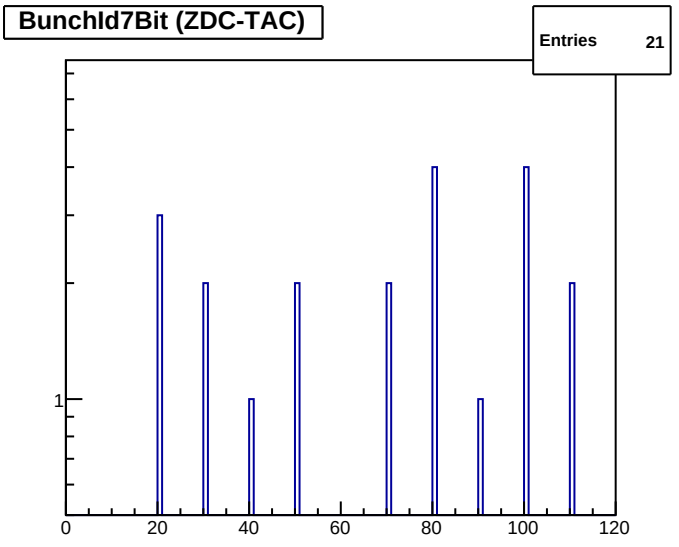
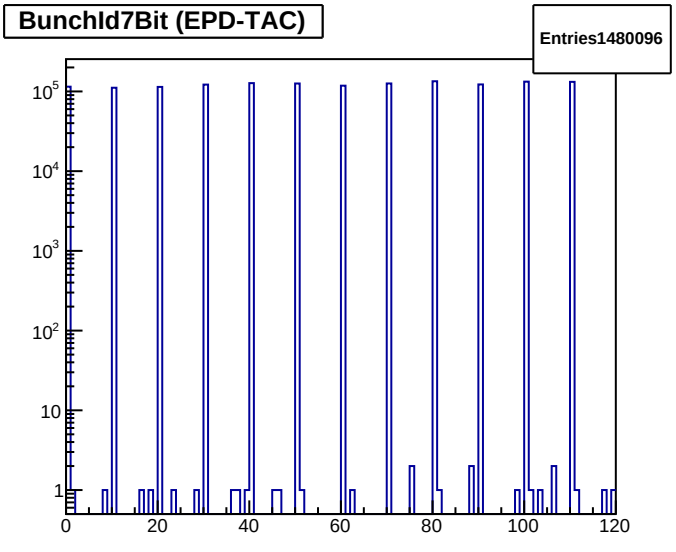
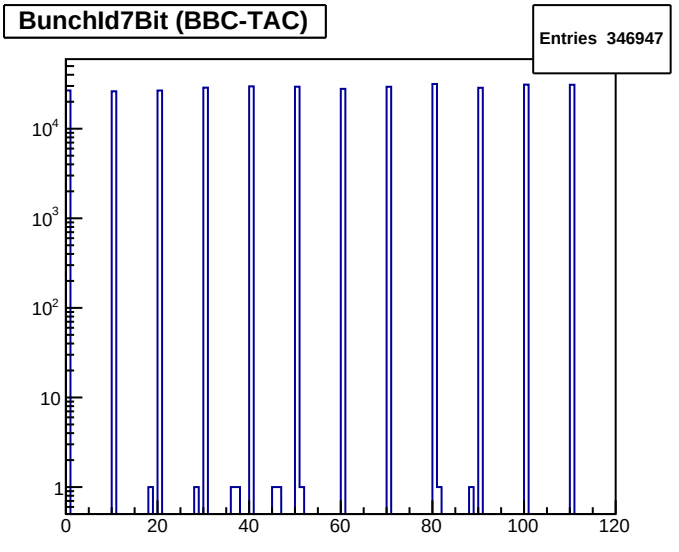
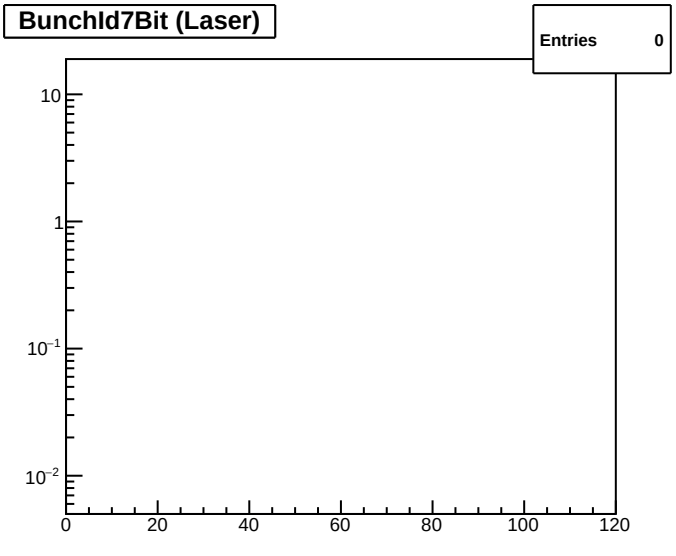
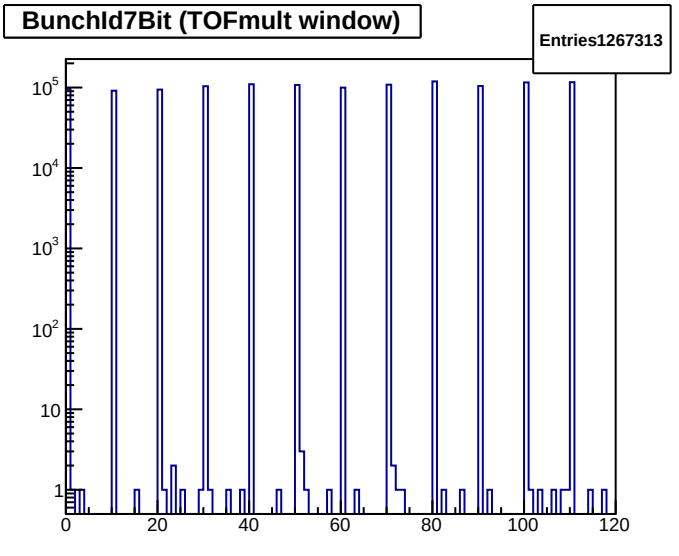

BunchId7Bit (VPD-TAC)
Entries 40556

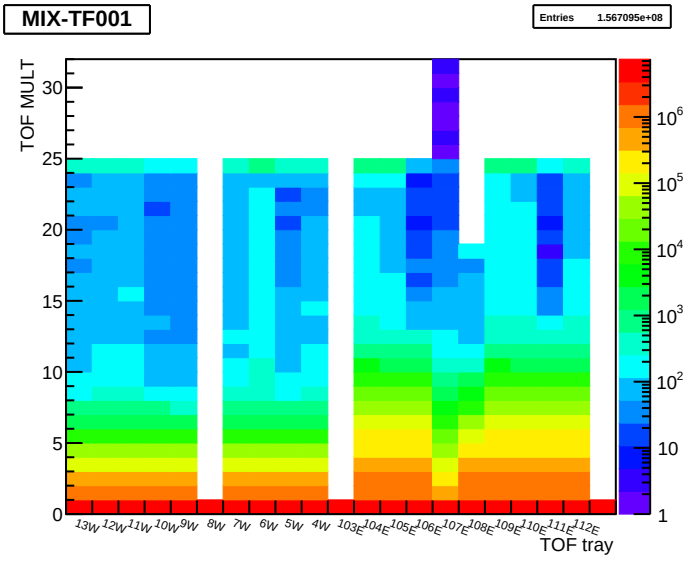

BunchId7Bit (ZDC-TAC)
Entries 21

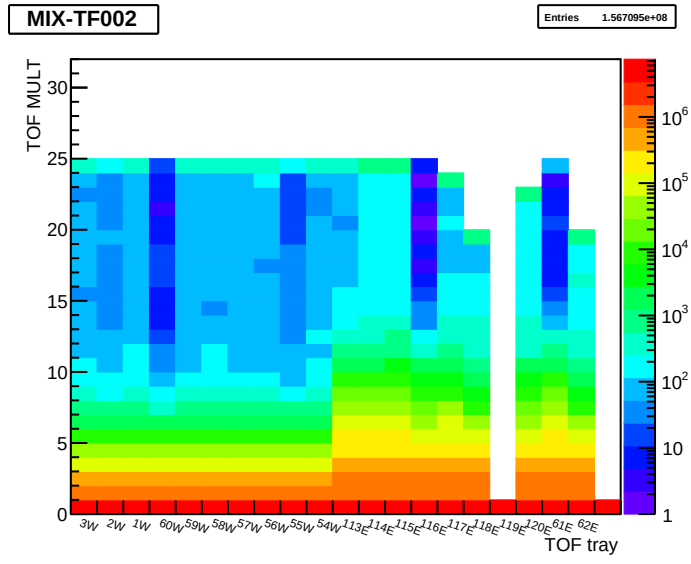

BunchId7Bit (EPD-TAC)
Entries1480096

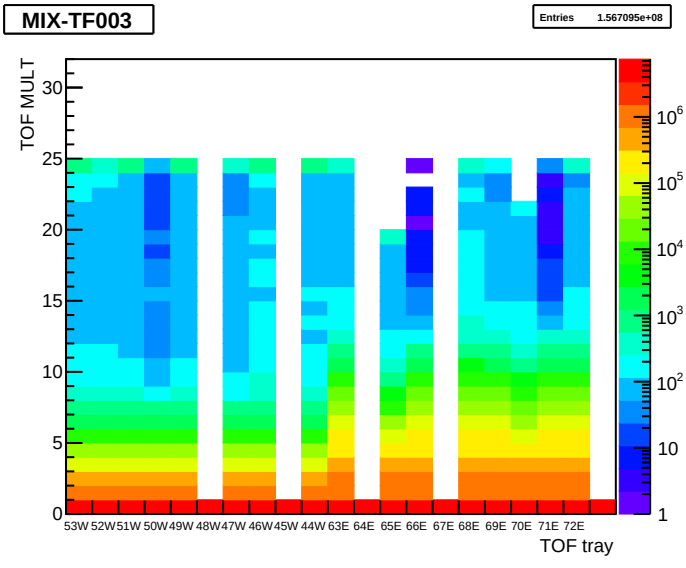

BunchId7Bit (BBC-TAC)
Entries 346947

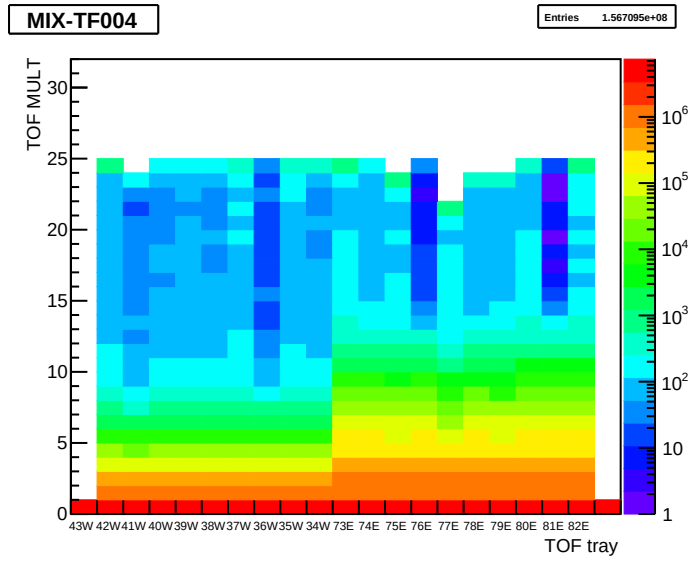

BunchId7Bit (Laser)
Entries 0

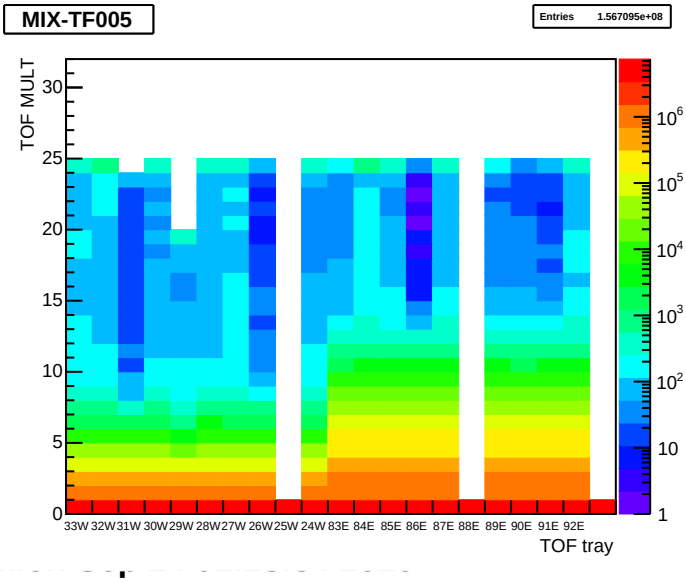

BunchId7Bit (TOFmult window)
Entries1267313

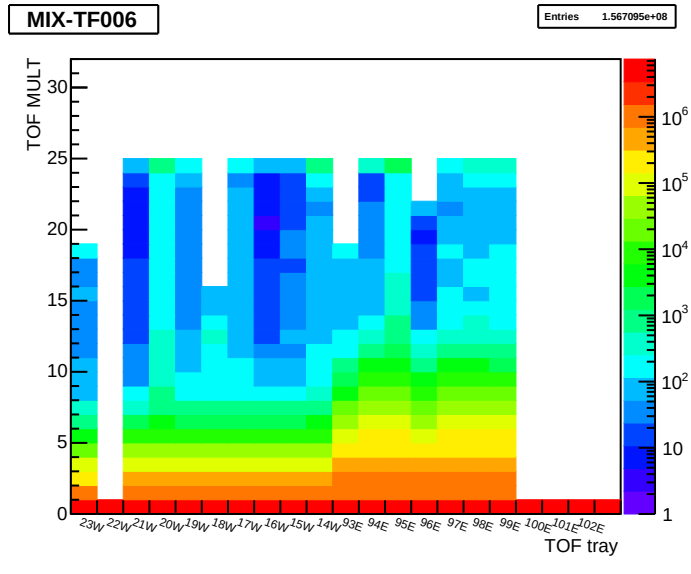

MIX-TF001
Entries 1.567095e+08
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

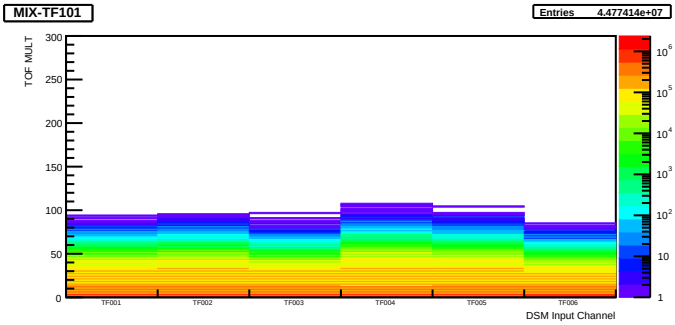

MIX-TF002
Entries 1.567095e+08
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

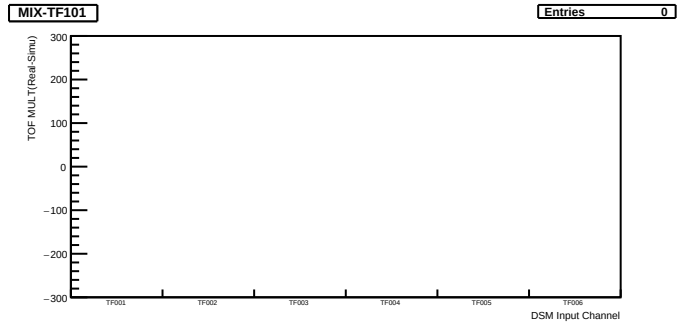

MIX-TF003
Entries 1.567095e+08
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

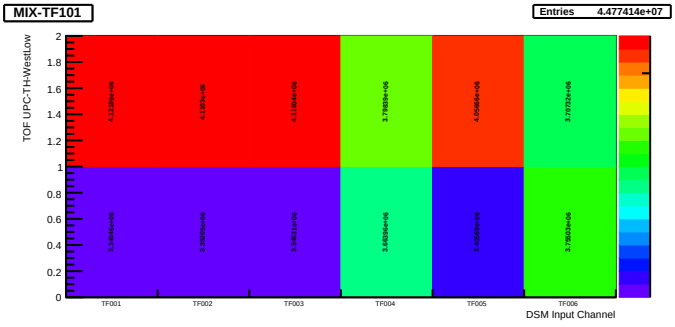

MIX-TF004
Entries 1.567095e+08
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

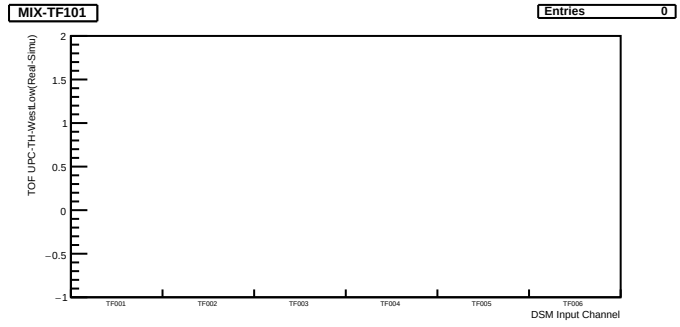

MIX-TF005
Entries 1.567095e+08
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

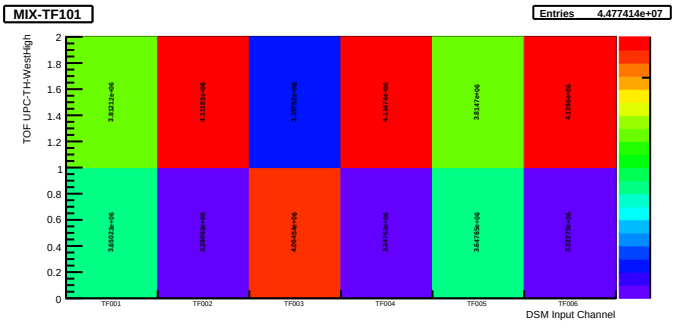

MIX-TF006
Entries 1.567095e+08
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

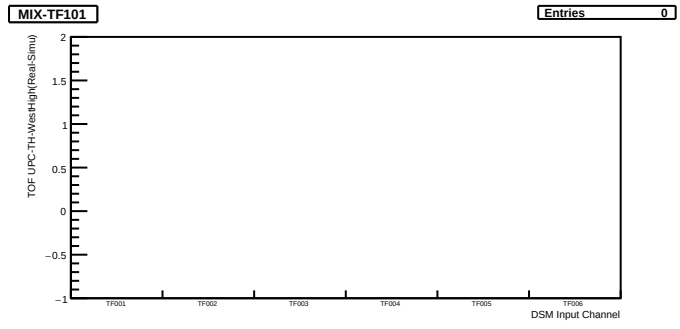

MIX-TF101
Entries 4.477414e+07
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

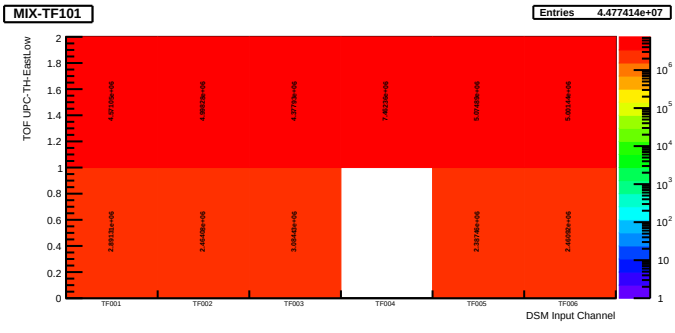

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

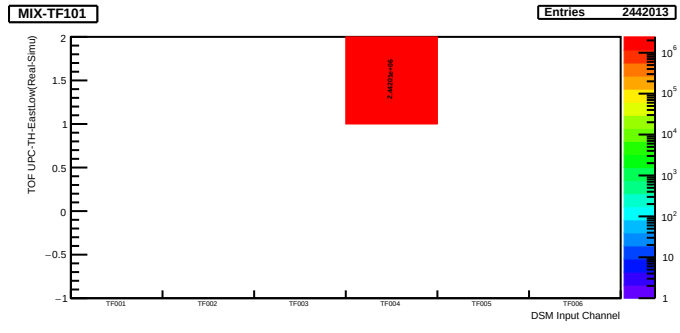

MIX-TF101
Entries 4.477414e+07
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

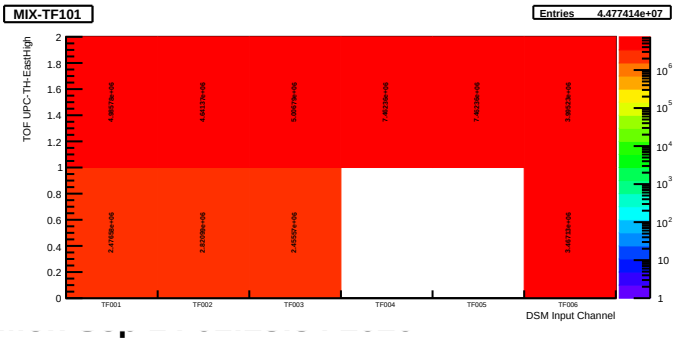

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

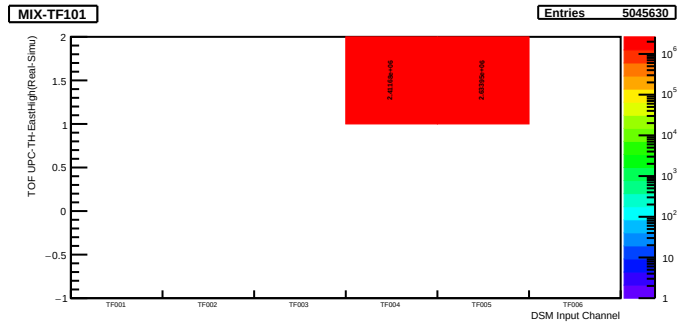

MIX-TF101
Entries 4.477414e+07
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

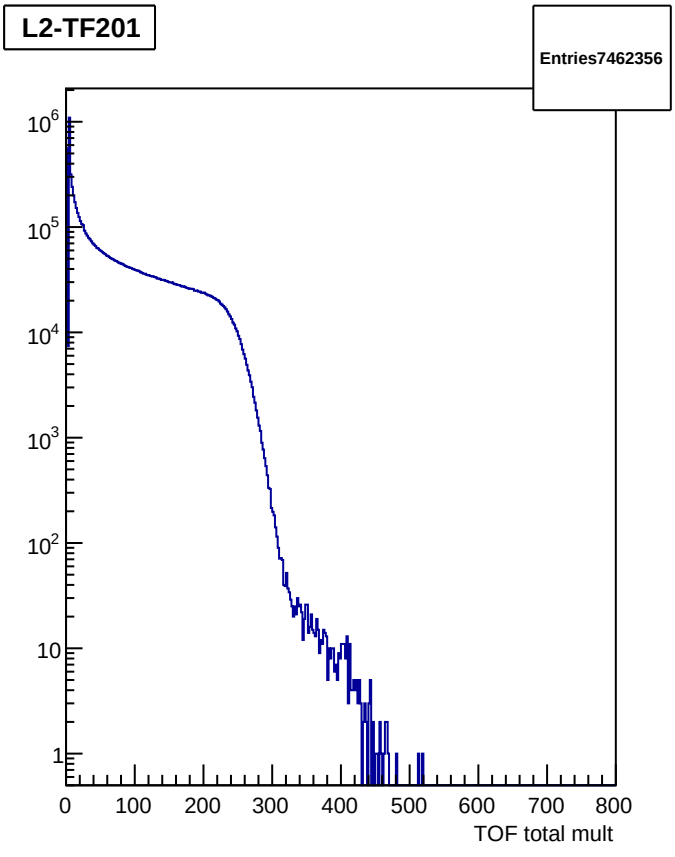

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

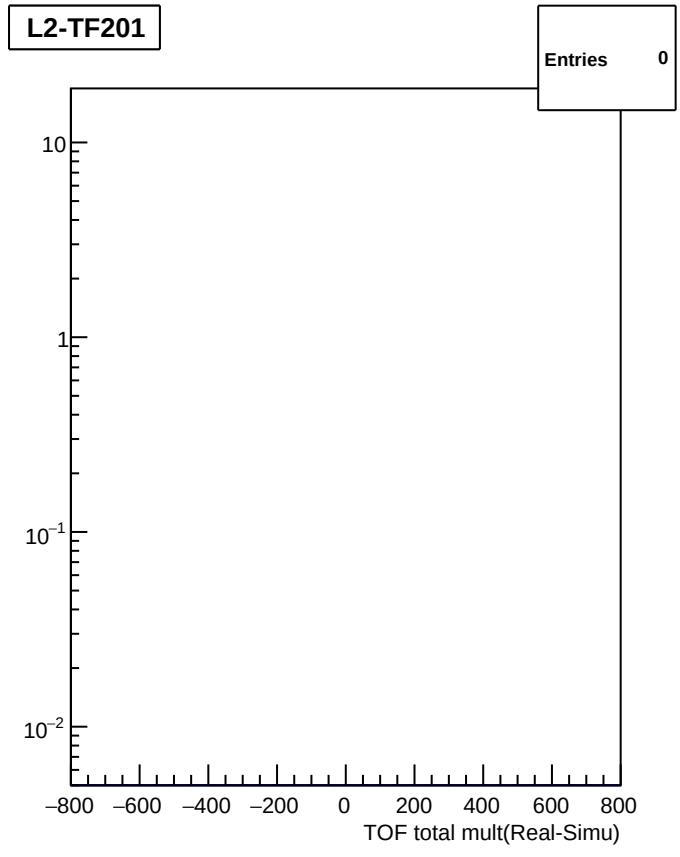

MIX-TF101
Entries 4.477414e+07
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

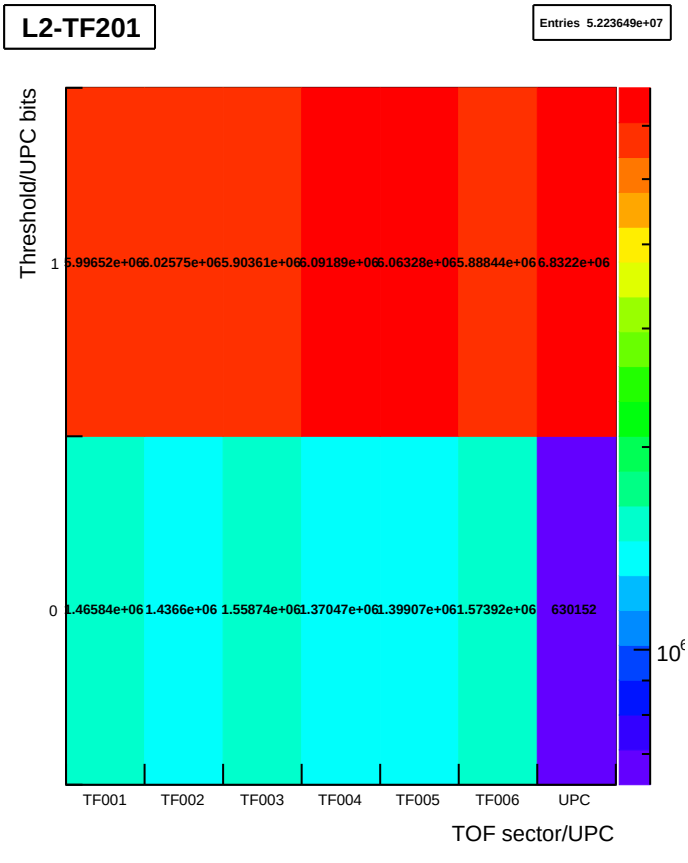

MIX-TF101
Entries 2442013
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

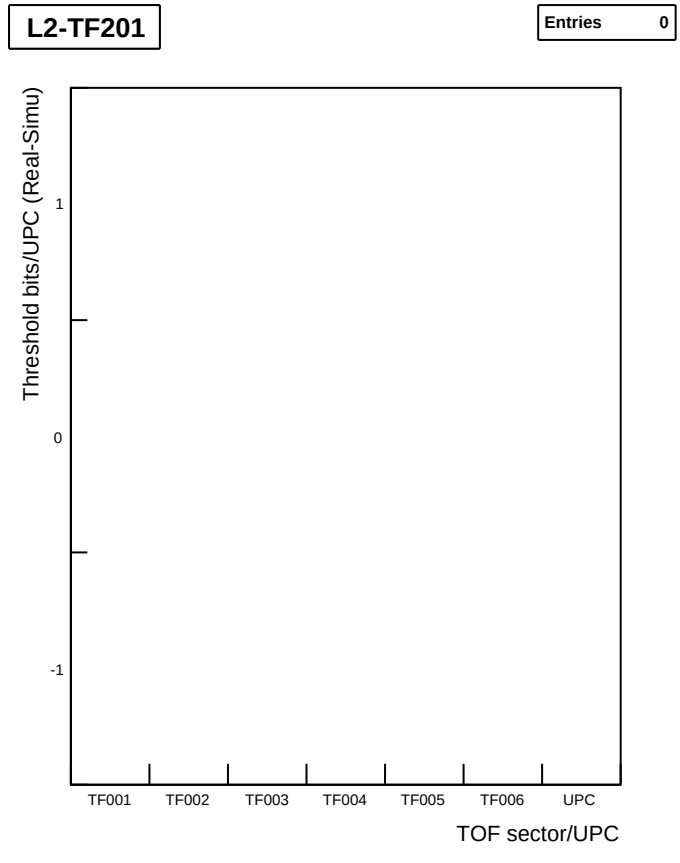

MIX-TF101
Entries 4.477414e+07
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

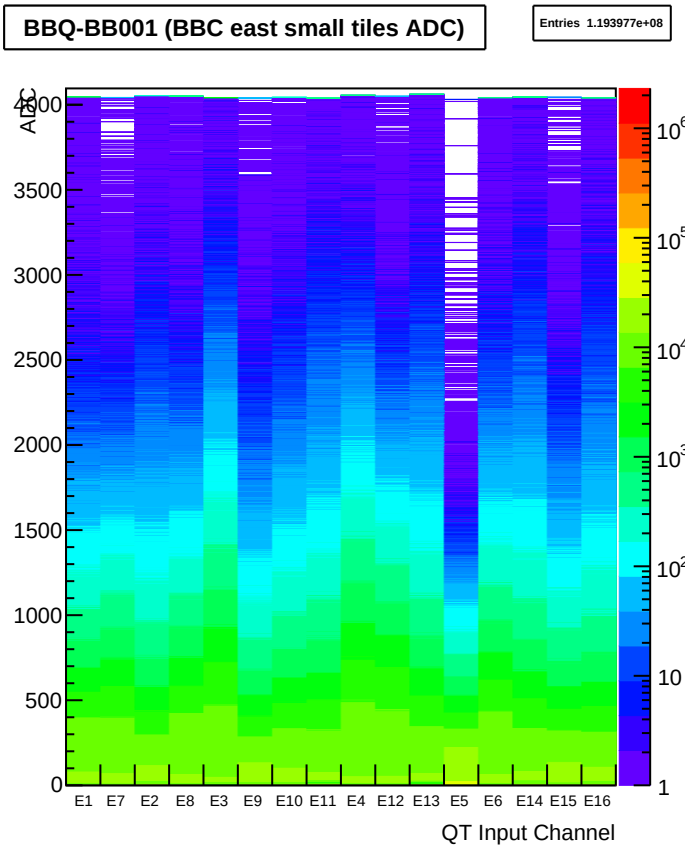

MIX-TF101
Entries 5045630
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

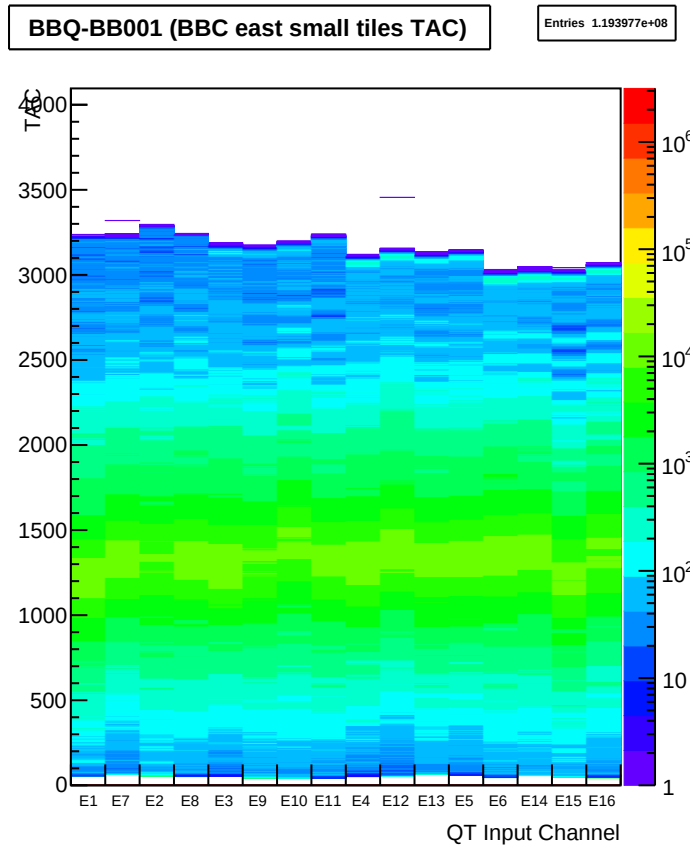

L2-TF201
Entries7462356
TOF total mult

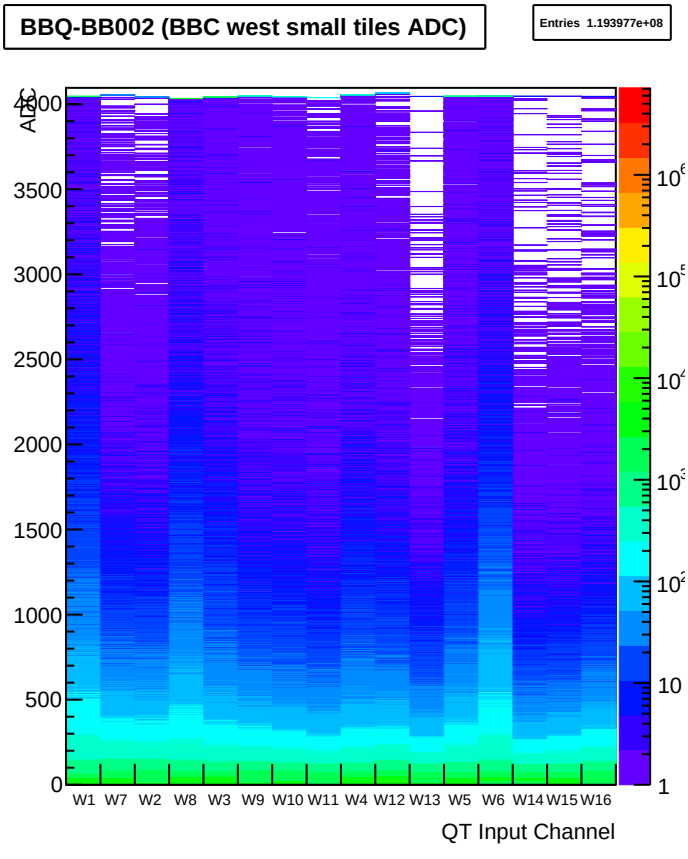

L2-TF201
Entries 0
TOF total mult(Real-Simu)

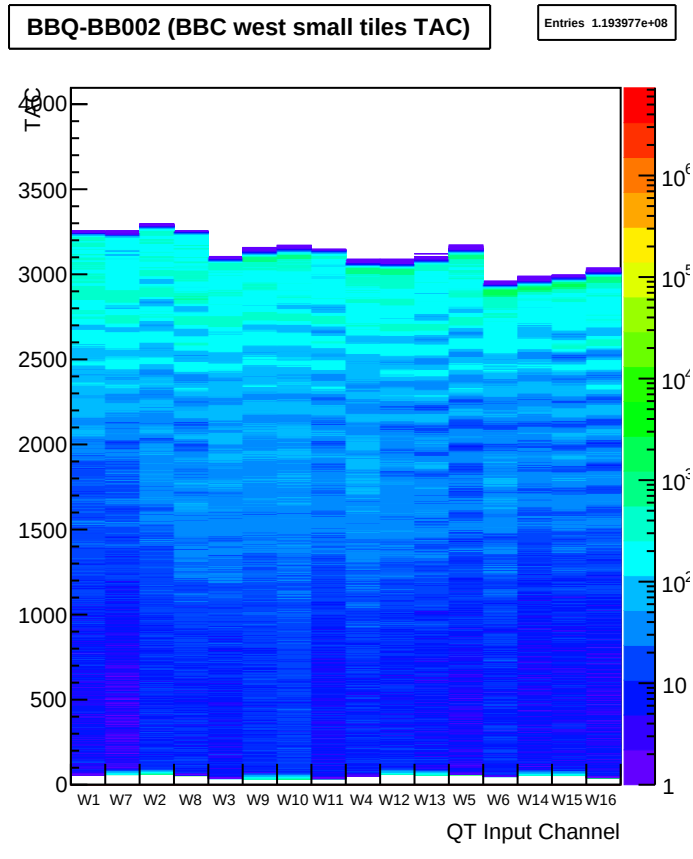

L2-TF201
Entries 5.223649e+07
Threshold/UPC bits
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

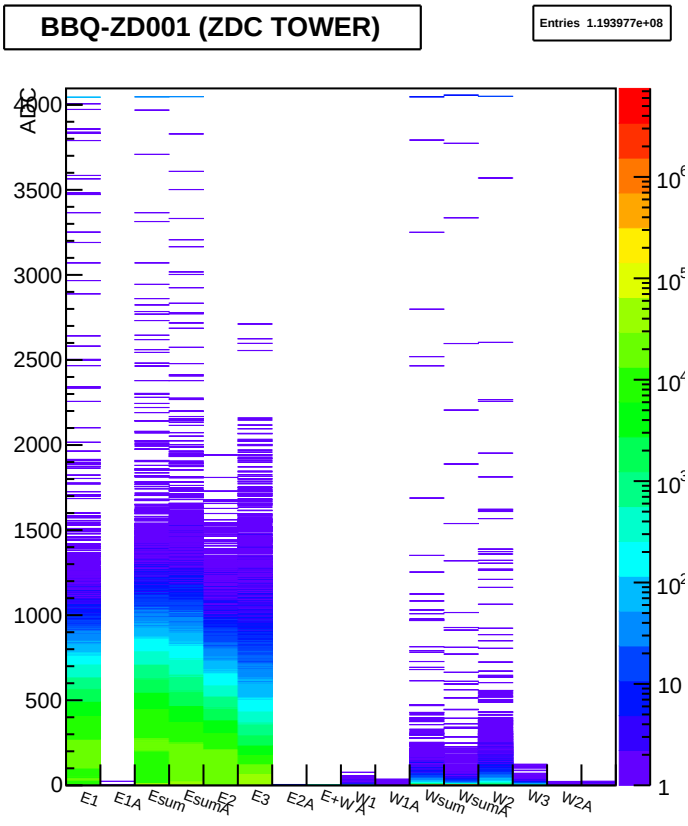

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

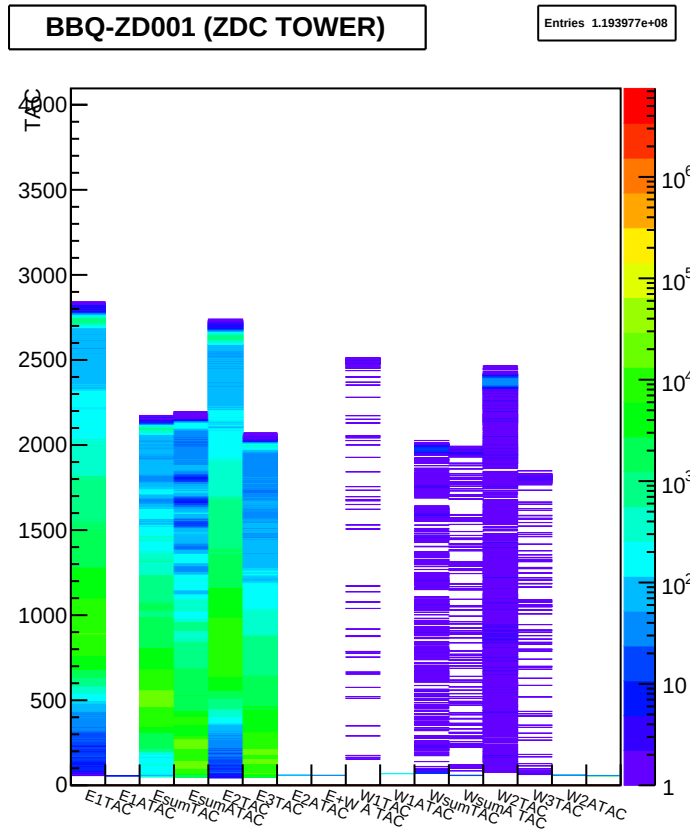

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.193977e+08
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

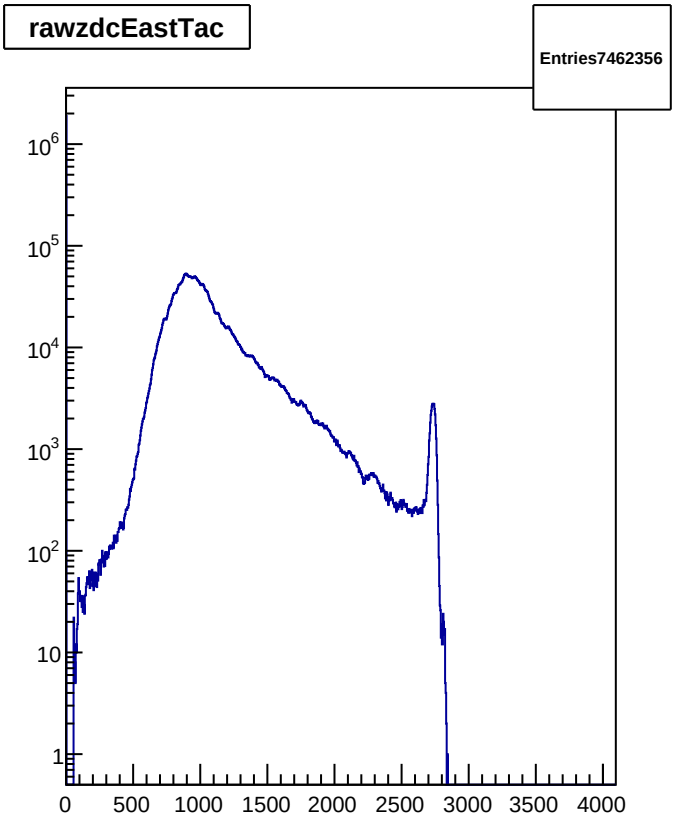

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.193977e+08
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

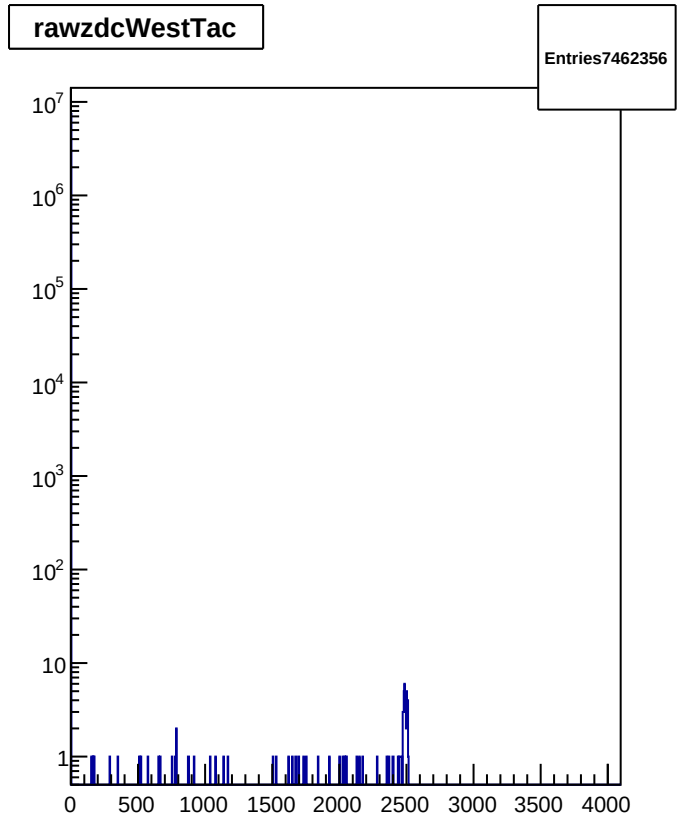

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.193977e+08
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

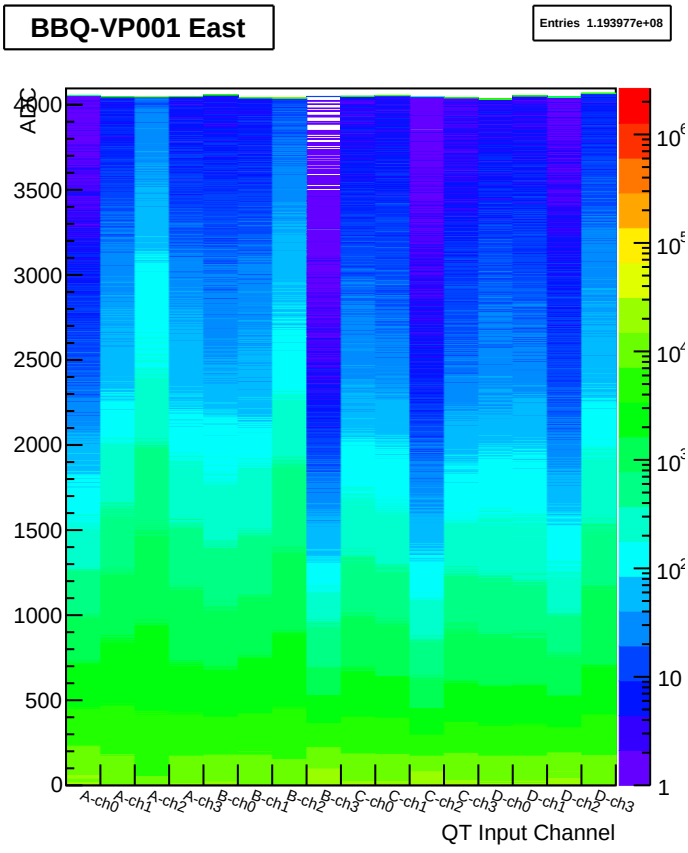

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.193977e+08
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

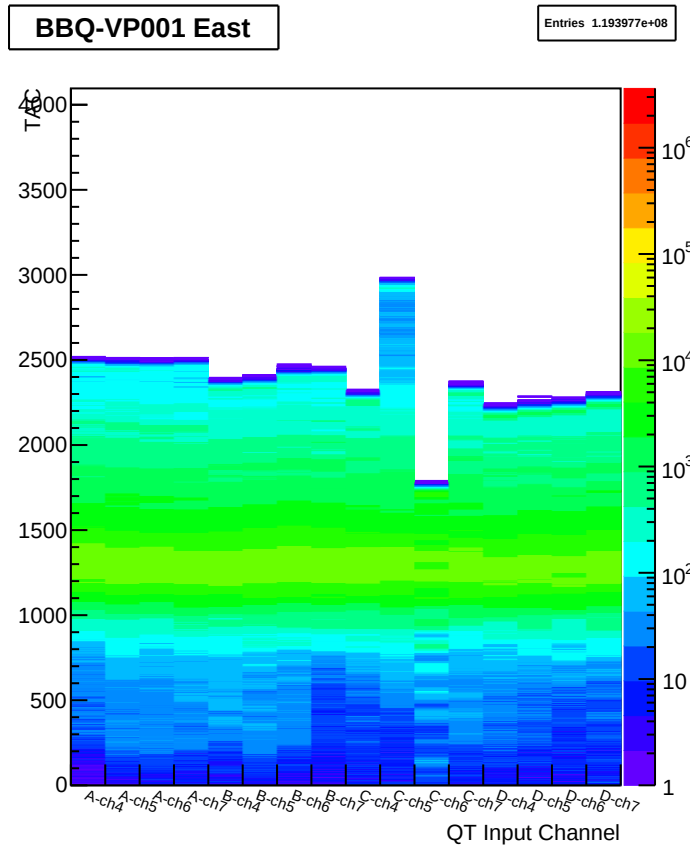

BBQ-ZD001 (ZDC TOWER)
Entries 1.193977e+08
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

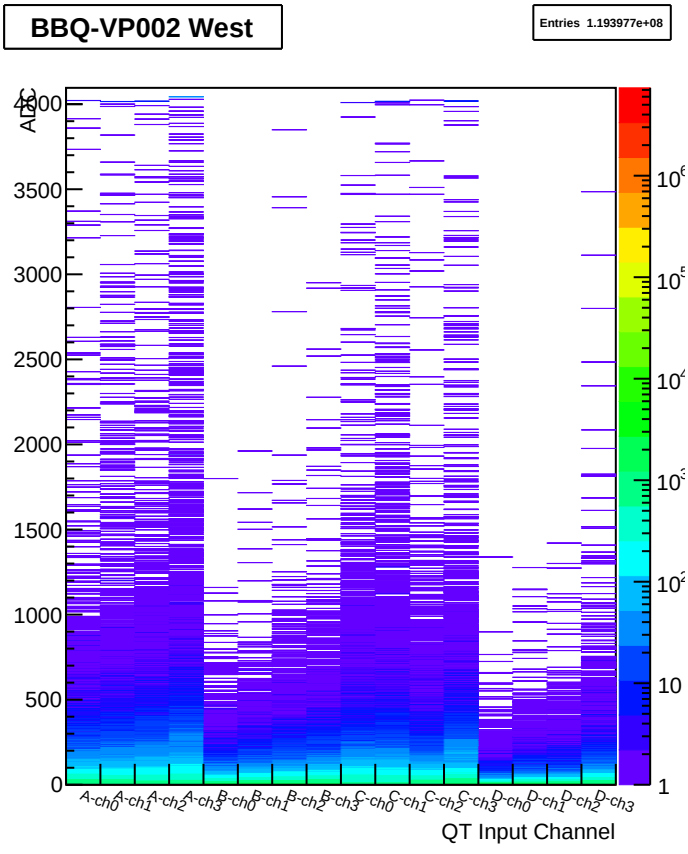

BBQ-ZD001 (ZDC TOWER)
Entries 1.193977e+08
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

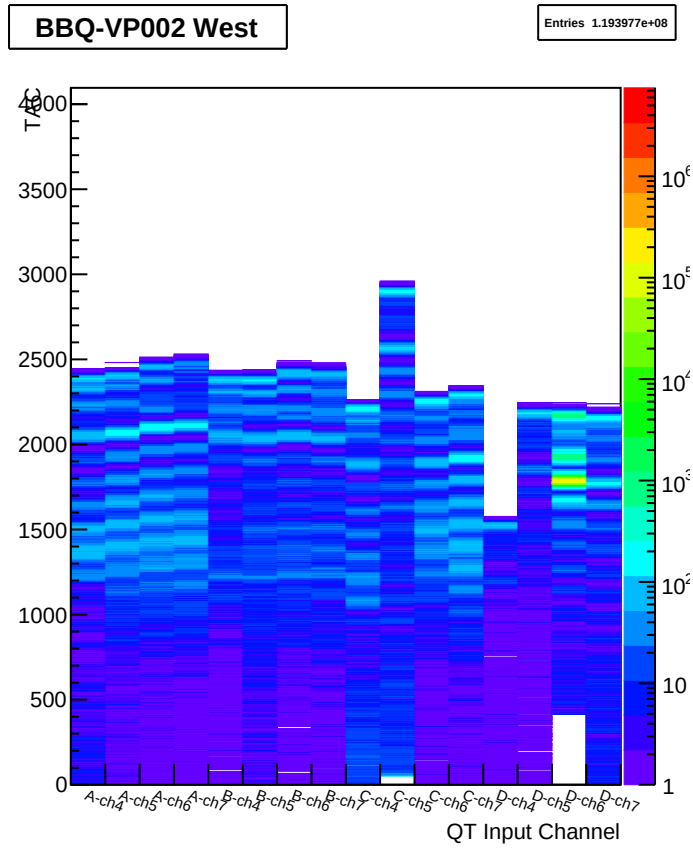

rawzdcEastTac
Entries7462356

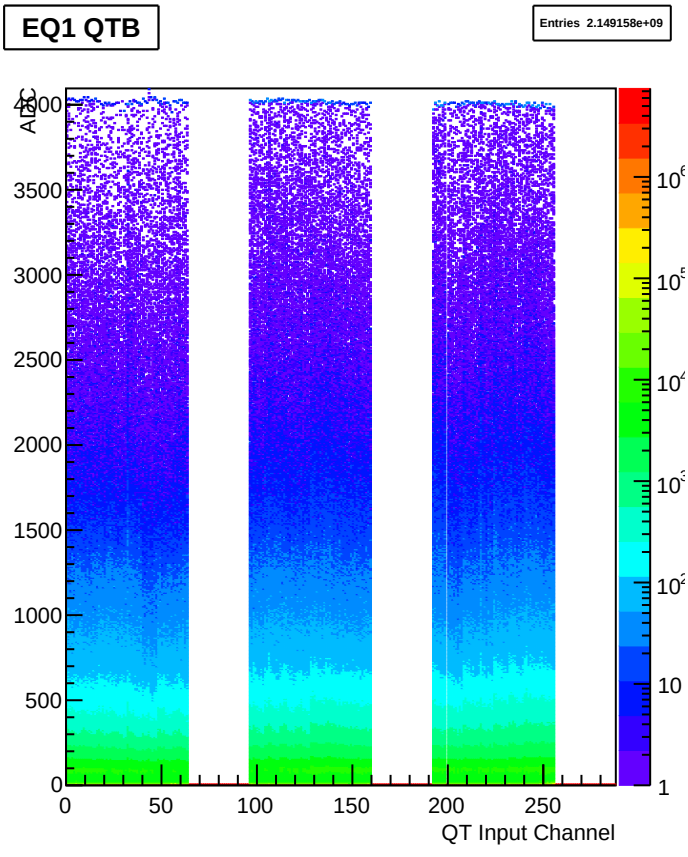

rawzdcWestTac
Entries7462356

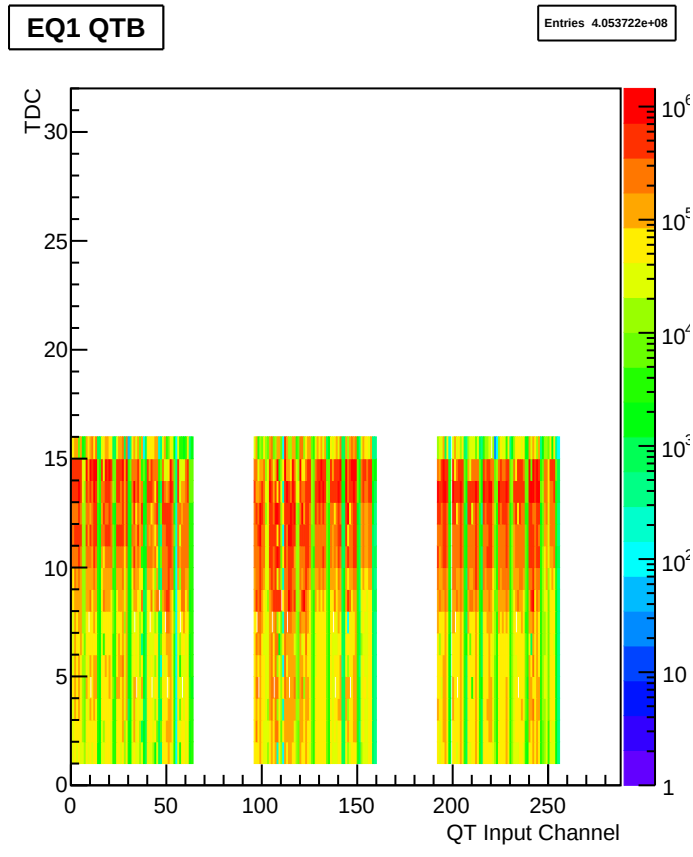

BBQ-VP001 East
Entries 1.193977e+08
ADC
QT Input Channel

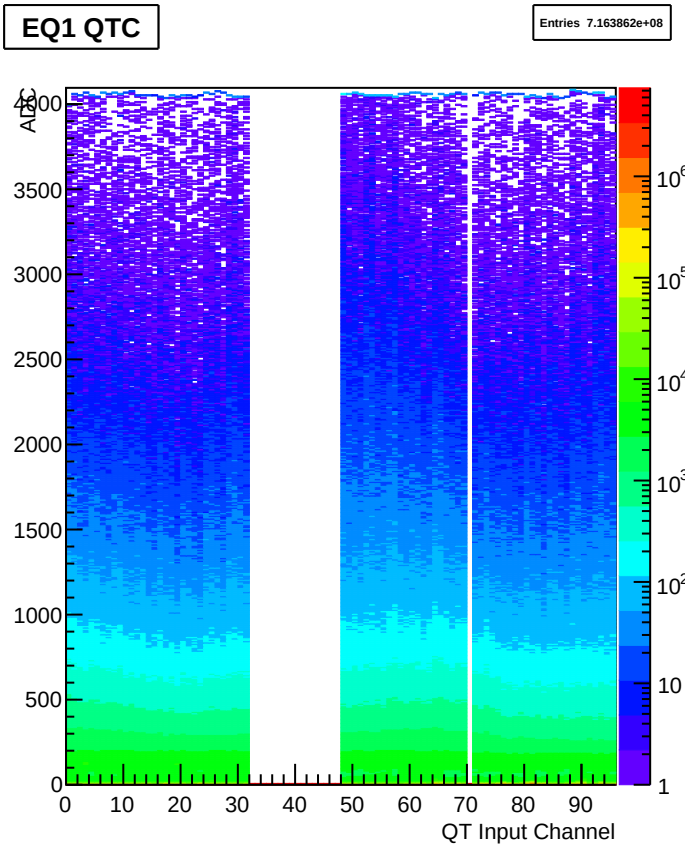

BBQ-VP001 East
Entries 1.193977e+08
TADC
QT Input Channel

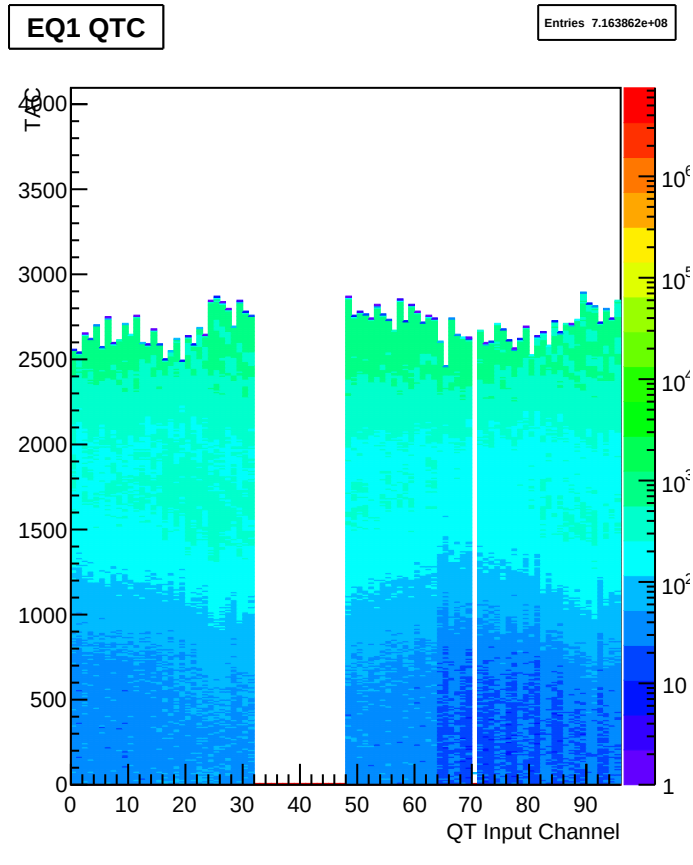

BBQ-VP002 West
Entries 1.193977e+08
ADC
QT Input Channel

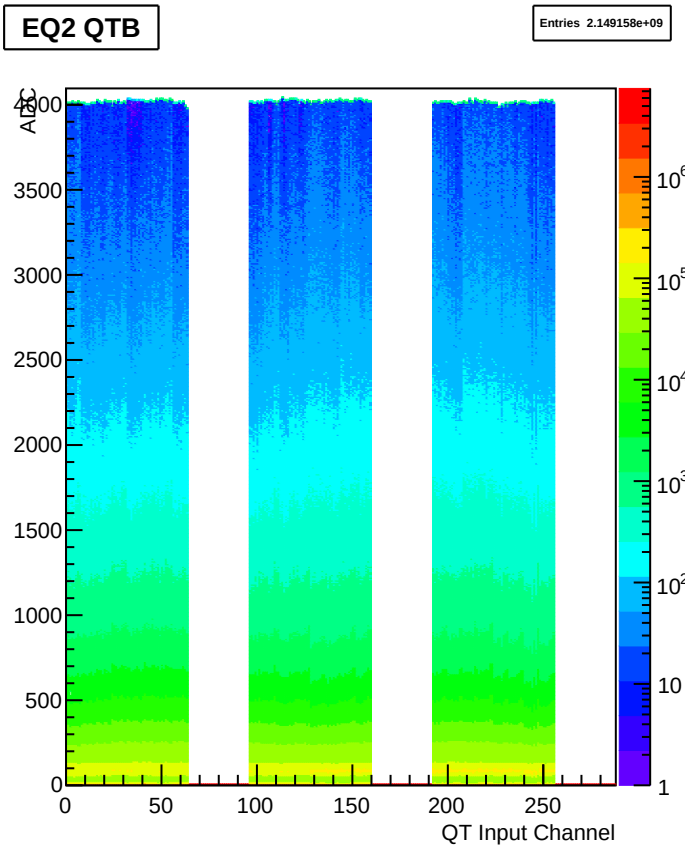

BBQ-VP002 West
Entries 1.193977e+08
TADC
QT Input Channel

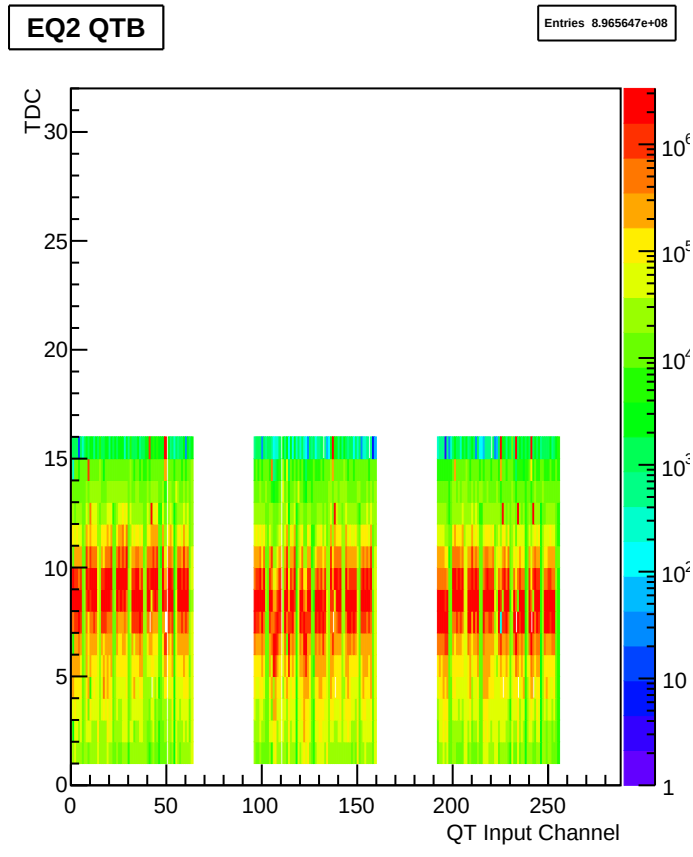

EQ1 QTB
Entries 2.149158e+09
ADC
QT Input Channel

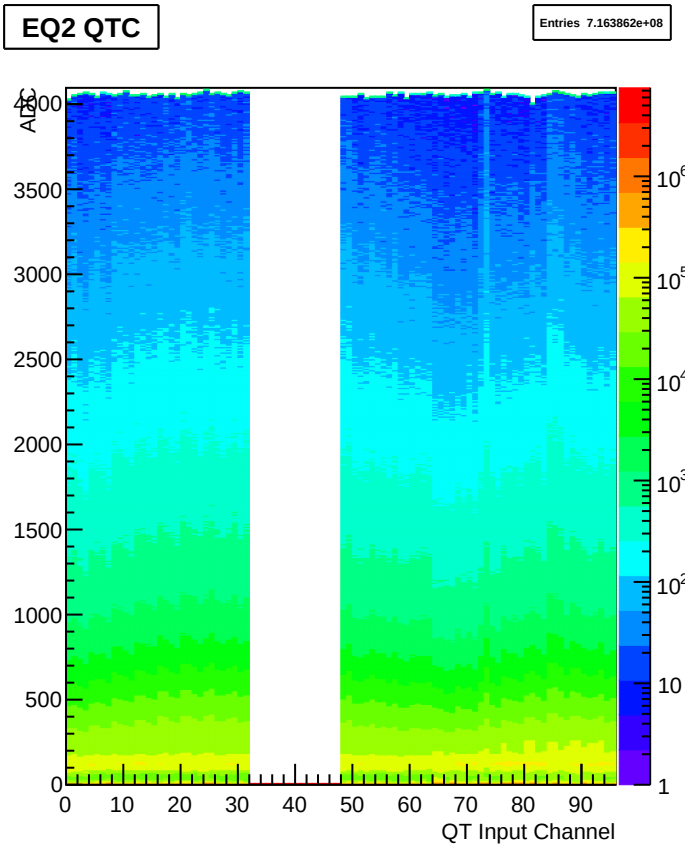

EQ1 QTB
Entries 4.053722e+08
TDC
QT Input Channel

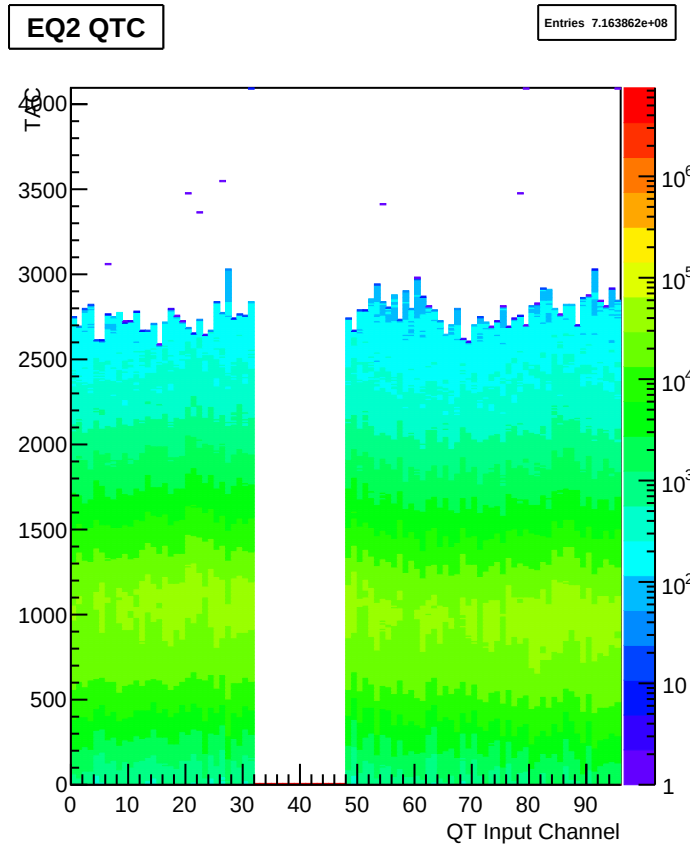

EQ1 QTC
Entries 7.163862e+08
ADC
QT Input Channel

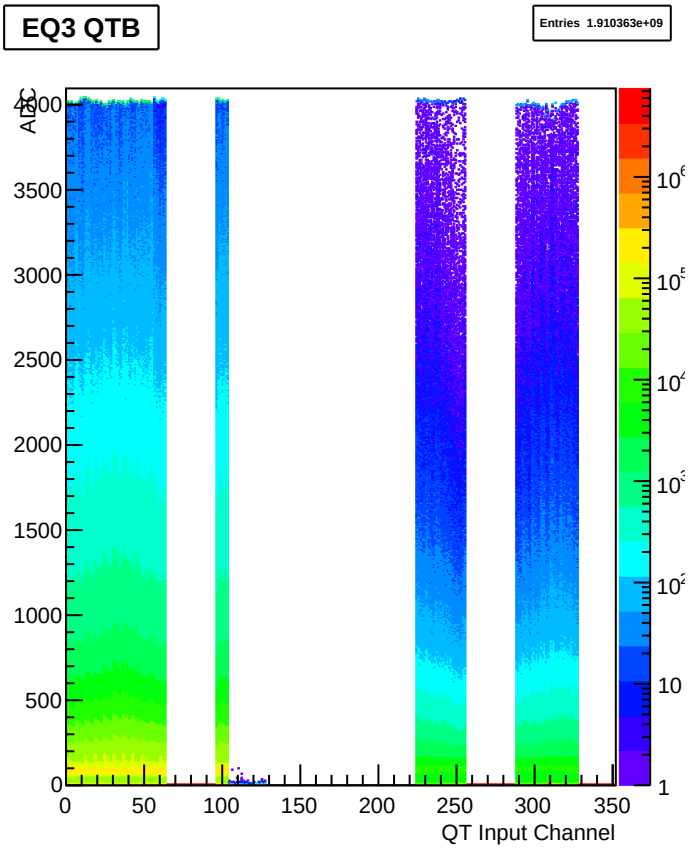

EQ1 QTC
Entries 7.163862e+08
TADC
QT Input Channel

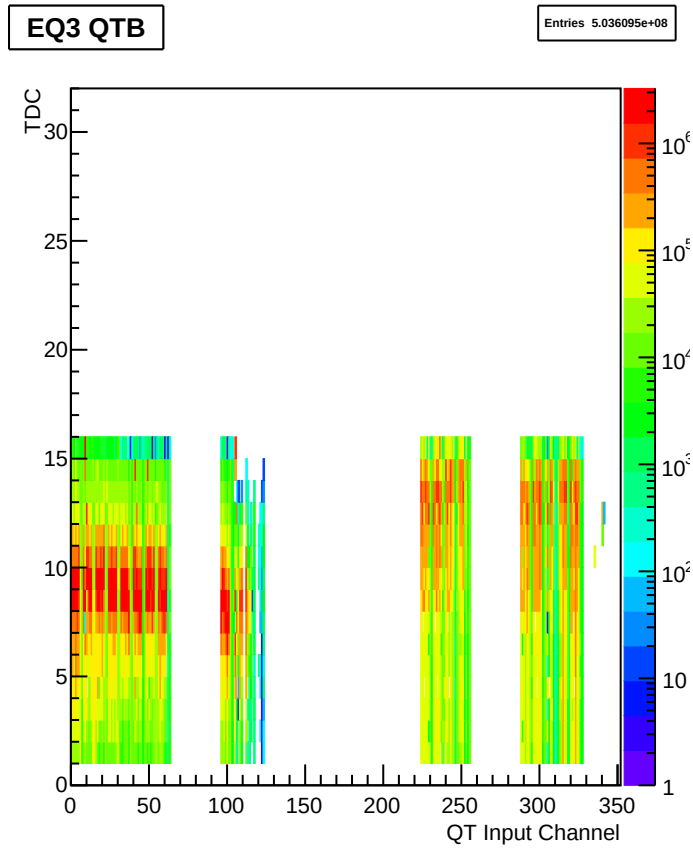

EQ2 QTB
Entries 2.149158e+09
ADC
QT Input Channel

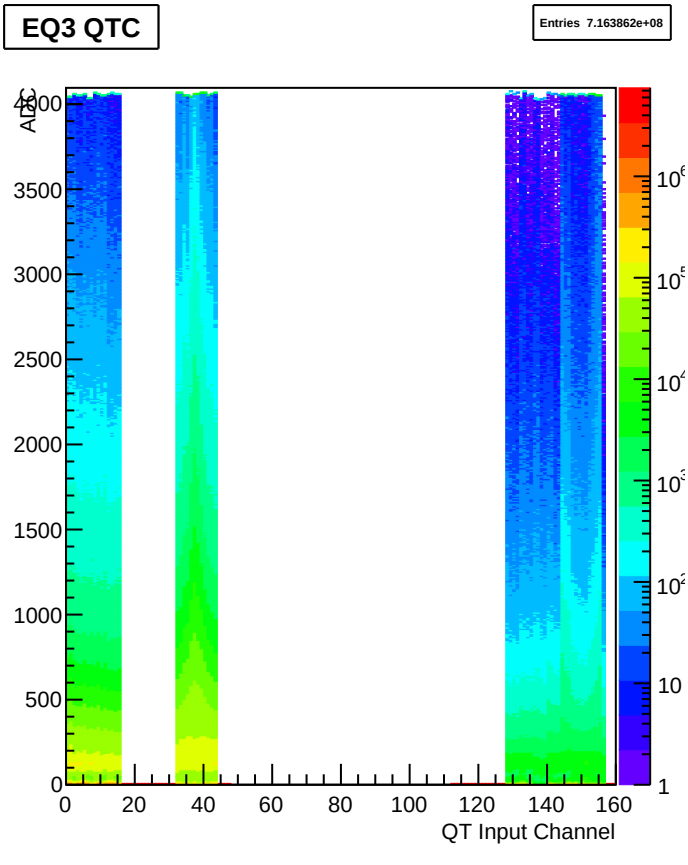

EQ2 QTB
Entries 8.965647e+08
TDC
QT Input Channel

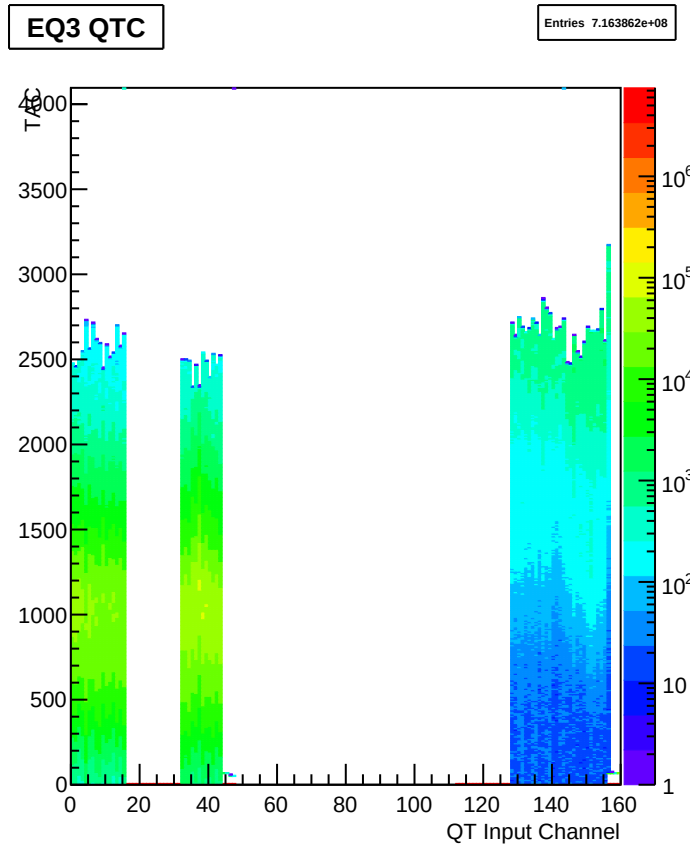

EQ2 QTC
Entries 7.163862e+08
ADC
QT Input Channel

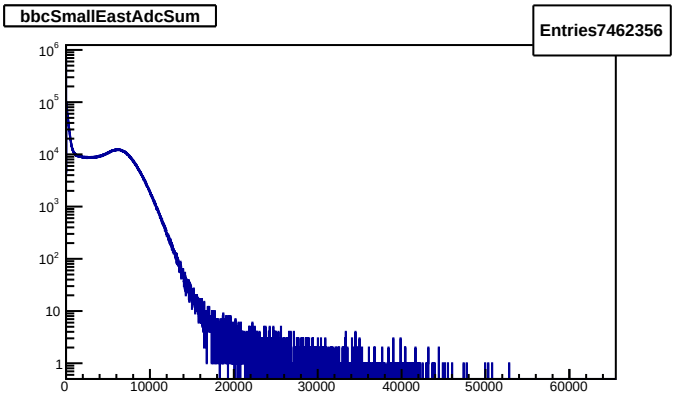

EQ2 QTC
Entries 7.163862e+08
TADC
QT Input Channel

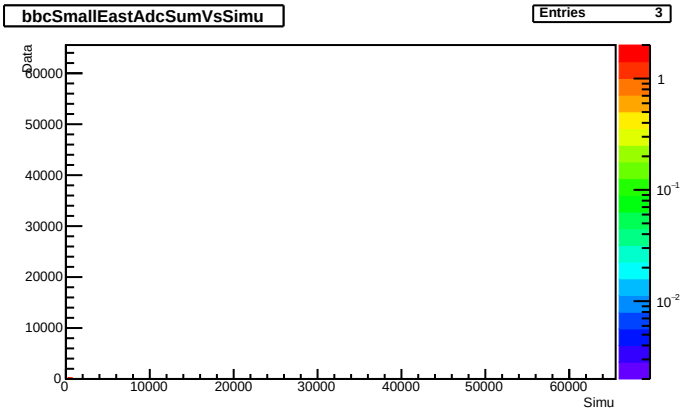

EQ3 QTB
Entries 1.910363e+09
ADC
QT Input Channel

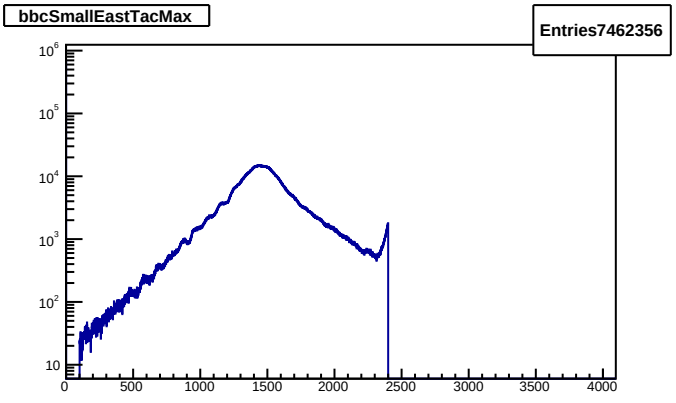

EQ3 QTB
Entries 5.036095e+08
TDC
QT Input Channel


EQ3 QTC
Entries 7.163862e+08
ADC
QT Input Channel


EQ3 QTC
Entries 7.163862e+08
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries7462356


bbcSmallEastAdcSumVsSimu
Entries 3
Data
Simu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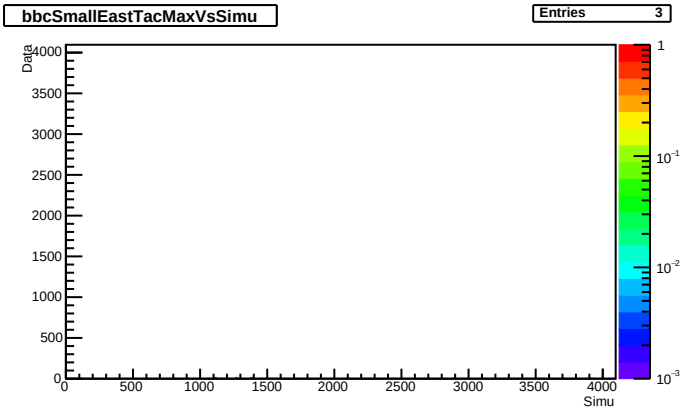
Entries7462356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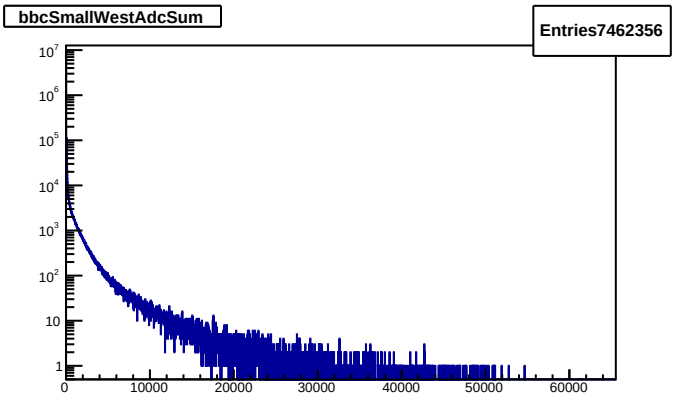
Entries 3
Data
Simu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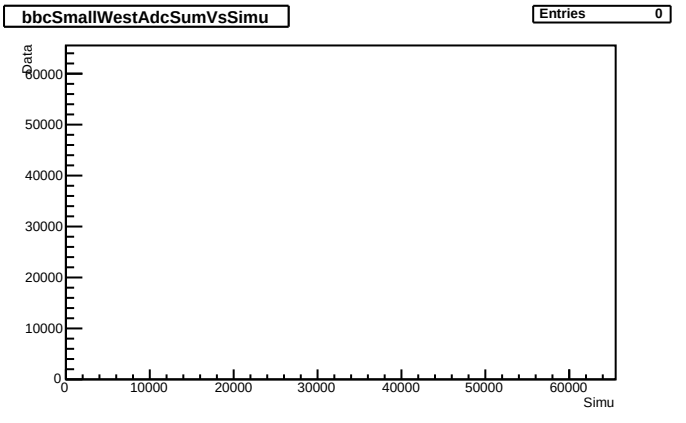
Entries7462356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Entries 0
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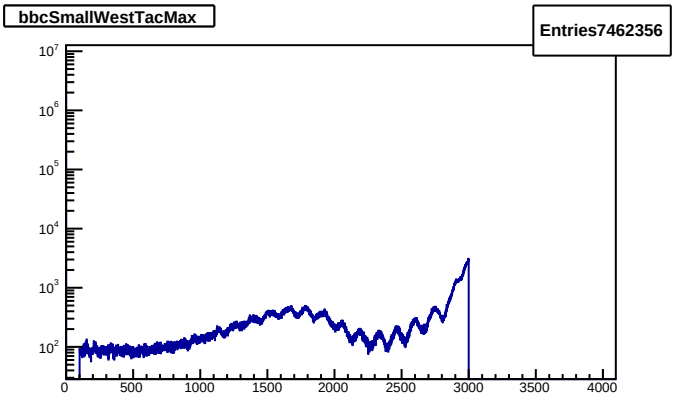
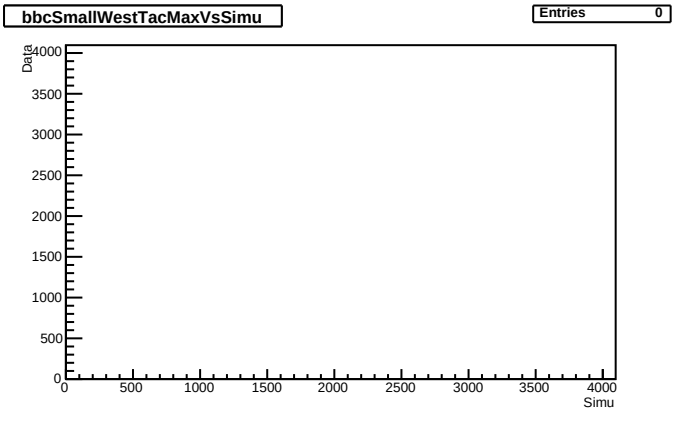
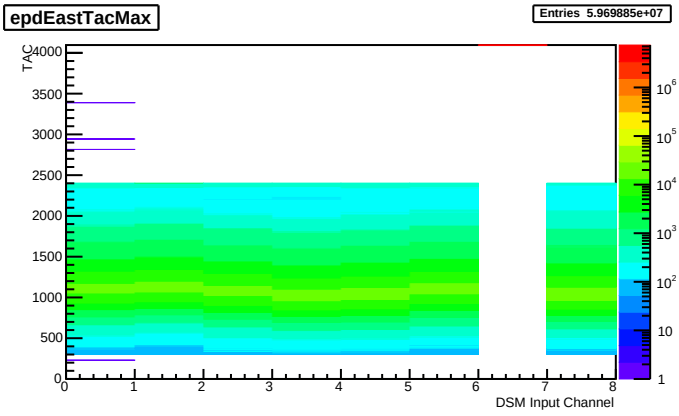
Simu


bbcSmallWestTacMax
Entries7462356


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu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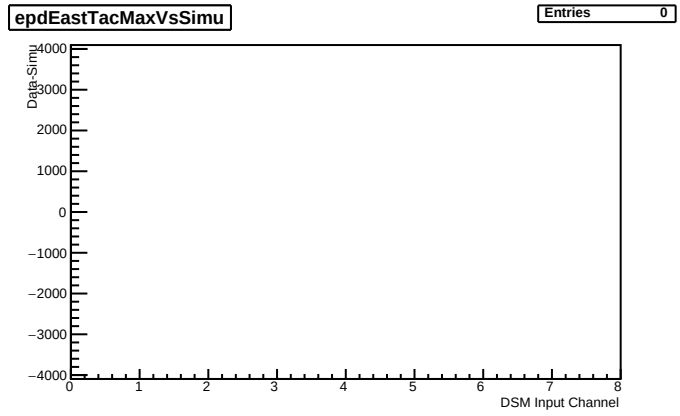
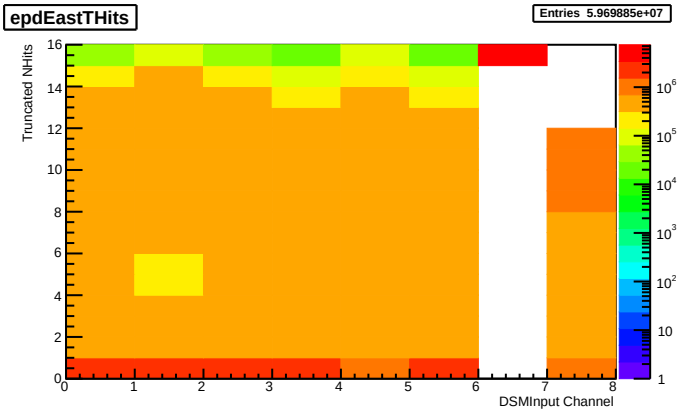
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel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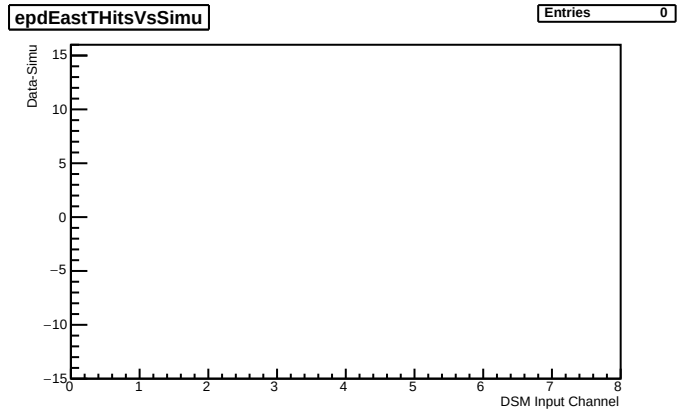
Entries 5.969885e+07
Truncated NHits
DSMInput Channel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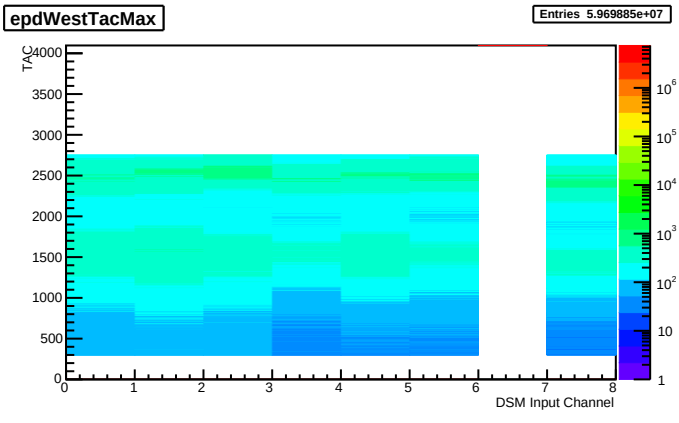
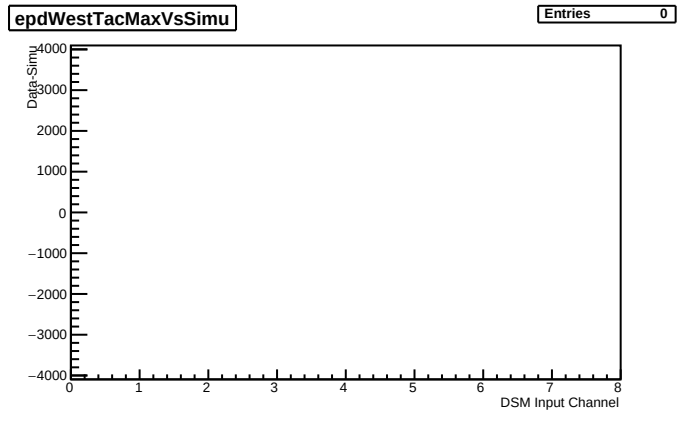
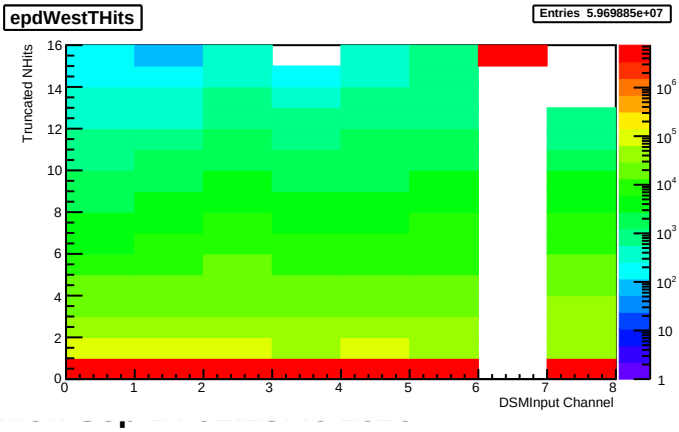
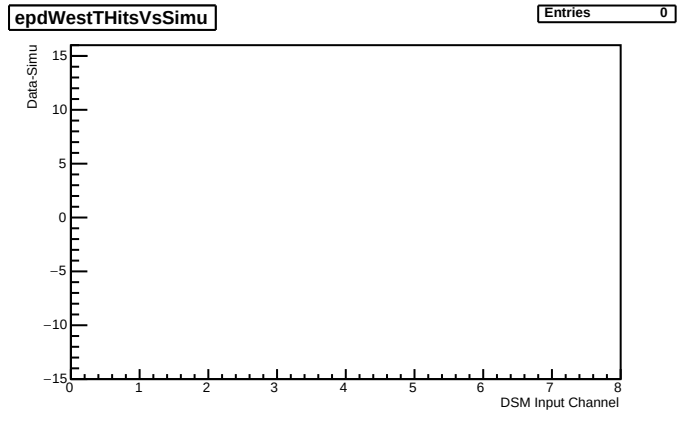
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 5.969885e+07
TAC
DSM Input Channel


epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 5.969885e+07
Truncated NHits
DSMInput Channel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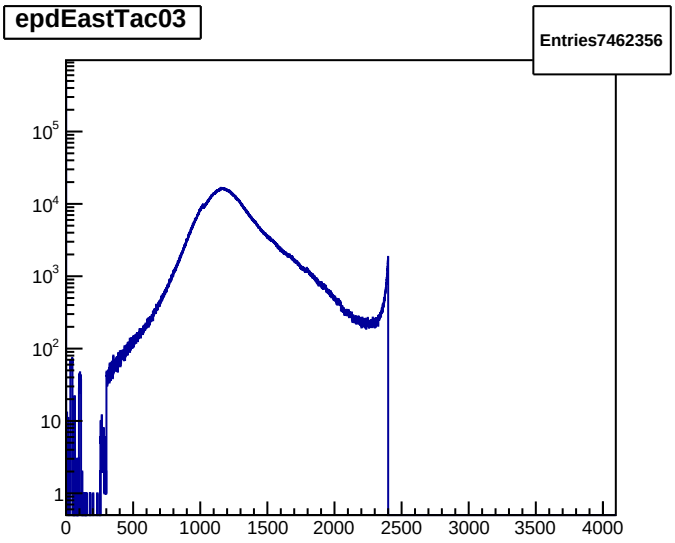
Entries 0
Data-Simu
DSM Input Channel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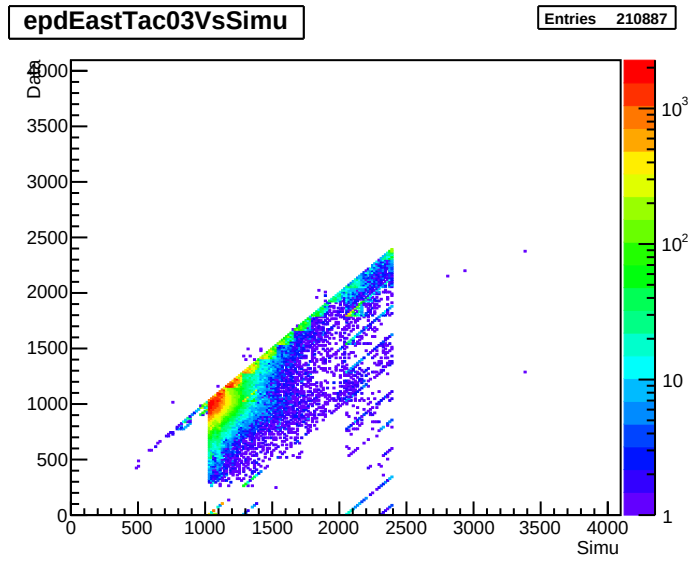
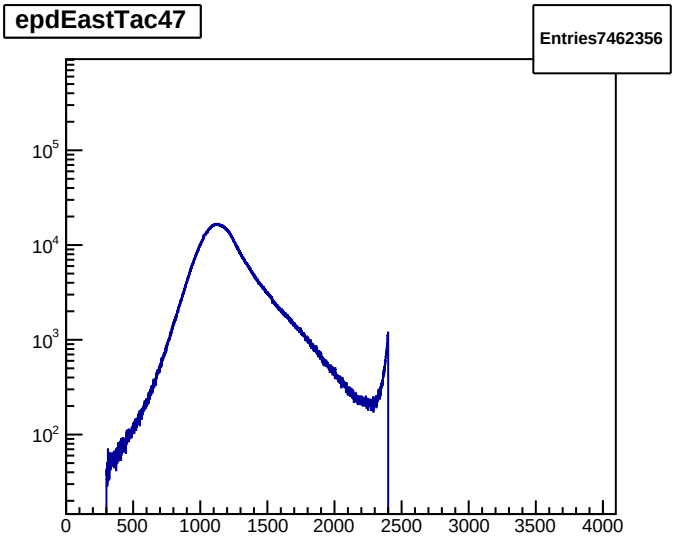
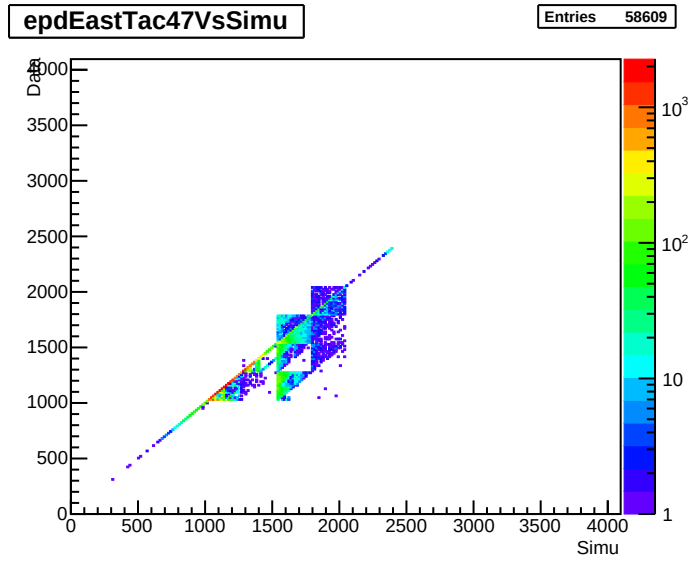
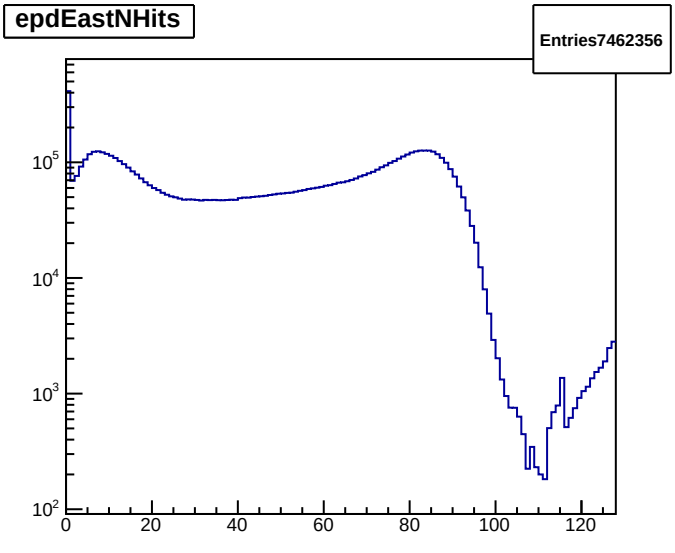
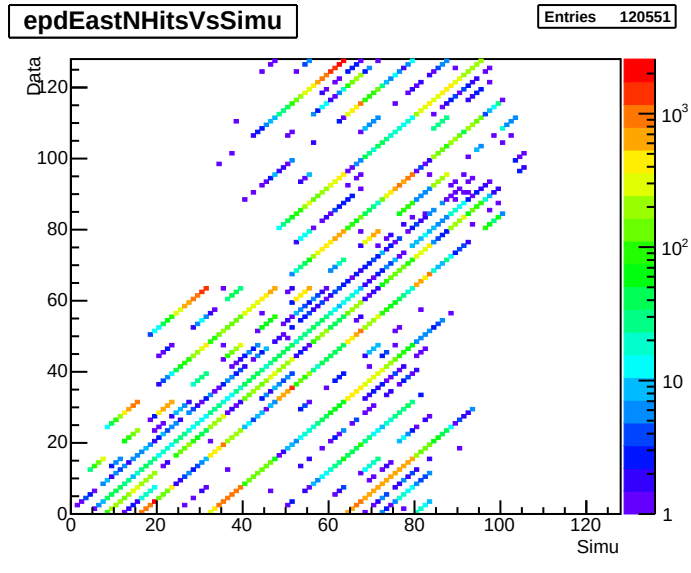
Entries7462356

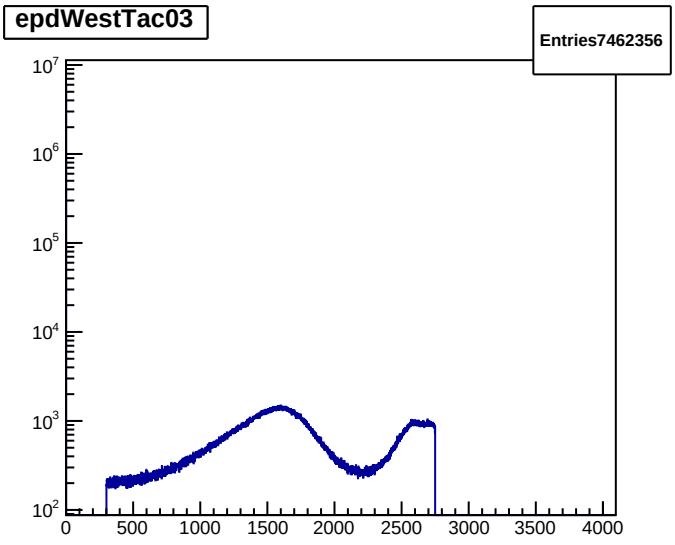

epdEastTac03VsSimu
Entries 210887
Data
Simu

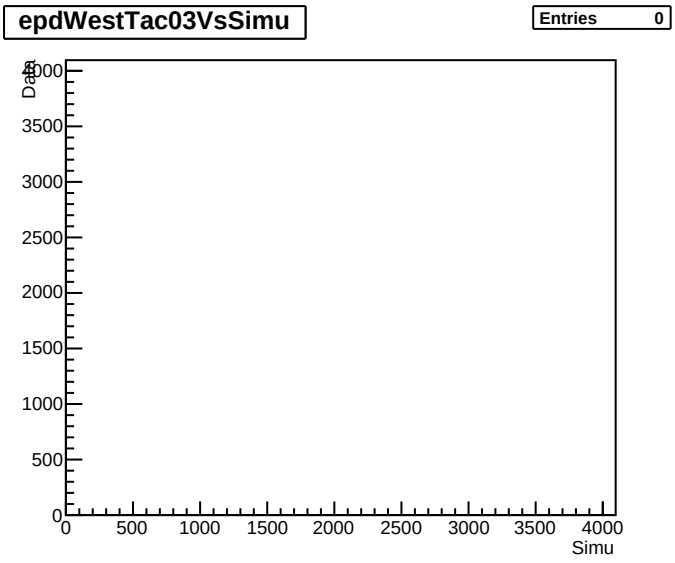

epdEastTac47
Entries7462356


epdEastTac47VsSimu
Entries 58609
Data
Simu


epdEastNHits
Entries7462356


epdEastNHitsVsSimu
Entries 120551
Data
Simu


epdWestTac03
Entries7462356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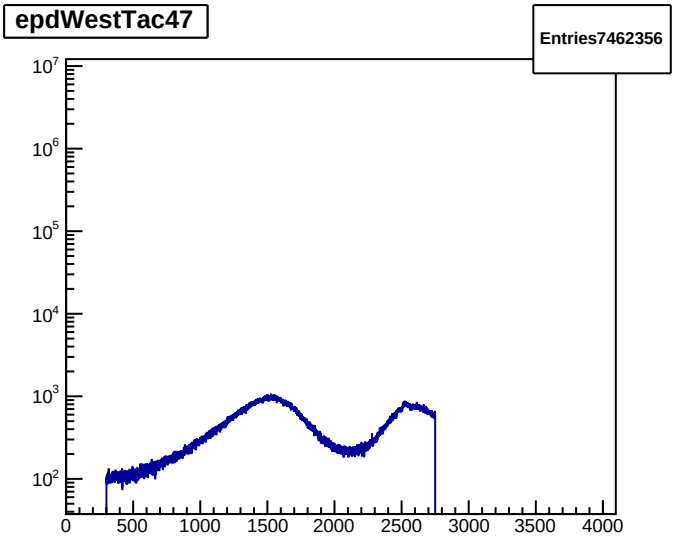
Entries 0
Data
Simu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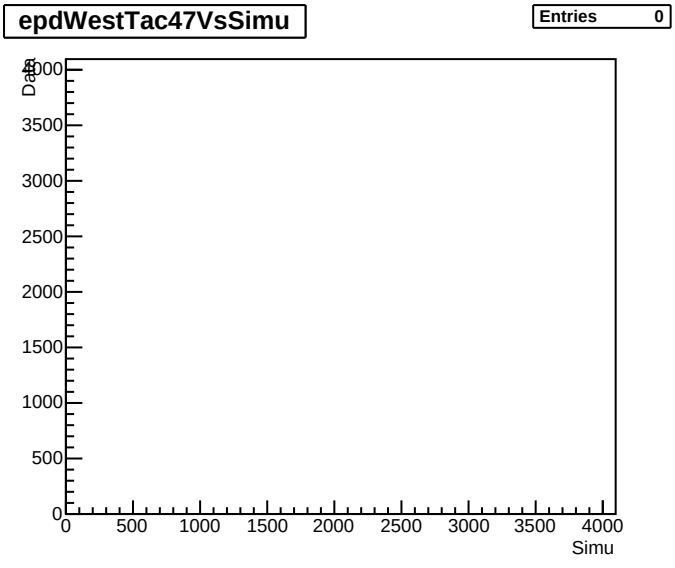
Entries7462356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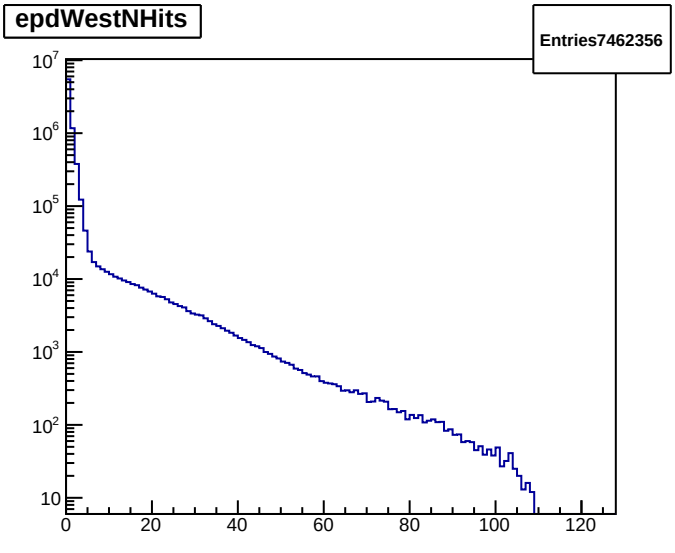
Entries 0
Data
Simu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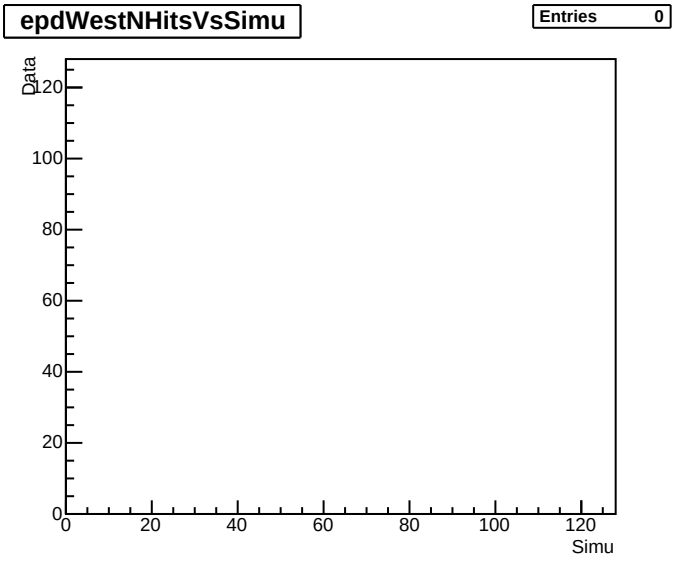
Entries7462356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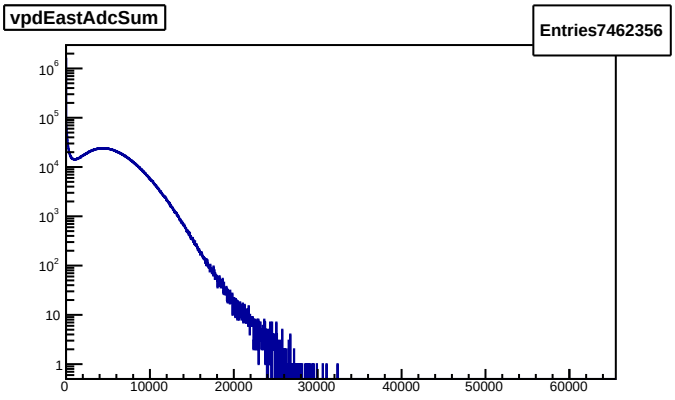
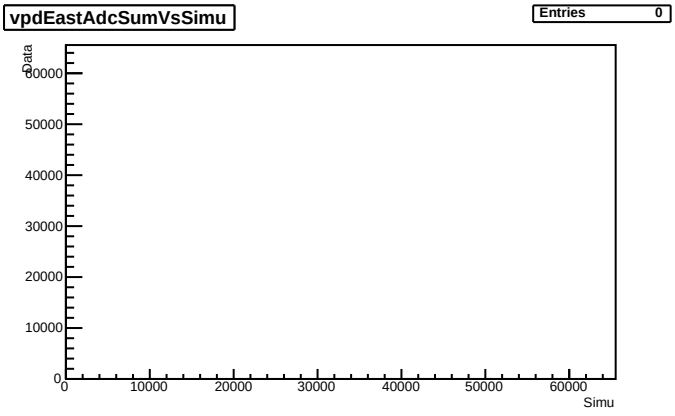
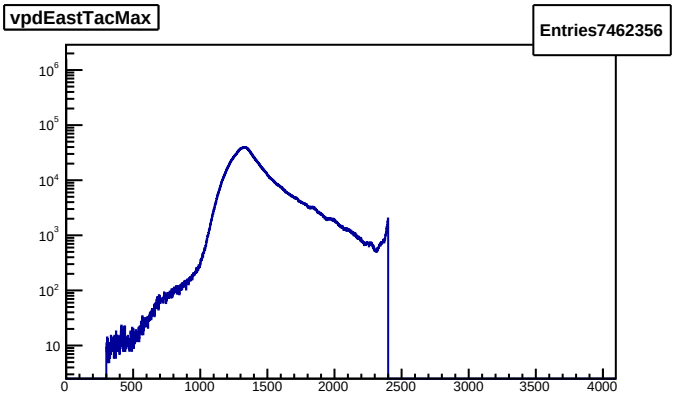
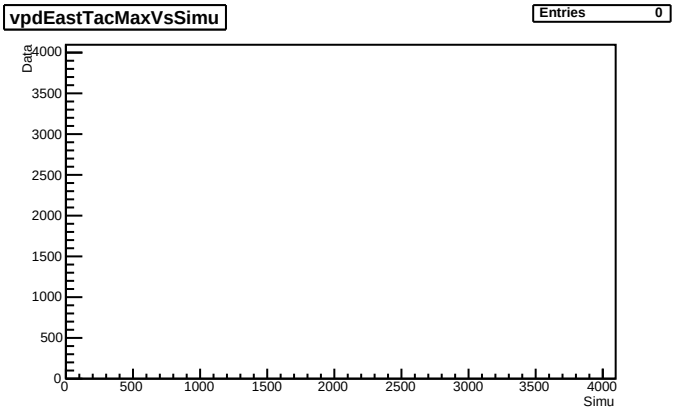
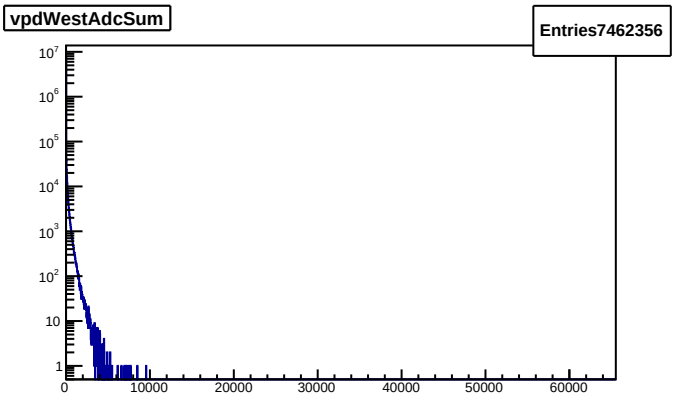
Entries 0
Data
Simu

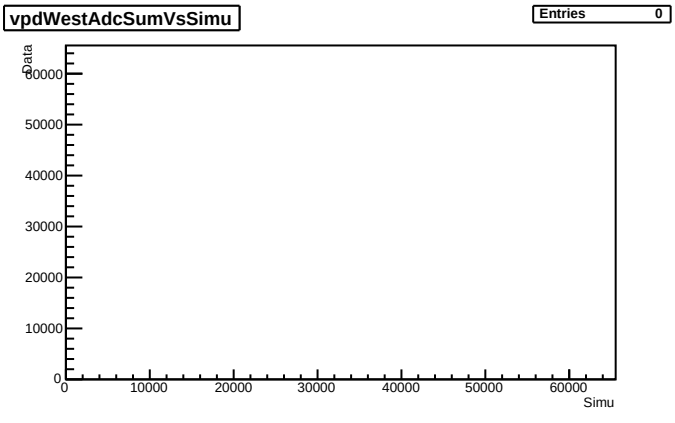

vpdEastAdcSum
Entries7462356


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries7462356


vpdEastTacMaxVsSimu
Entries 0
Data
Simu


vpdWestAdcSum
Entries7462356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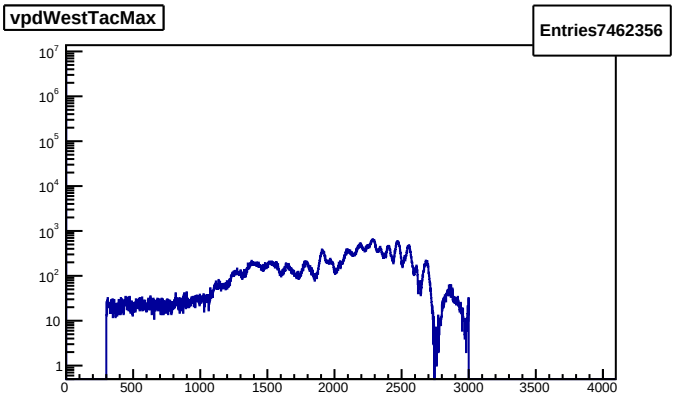
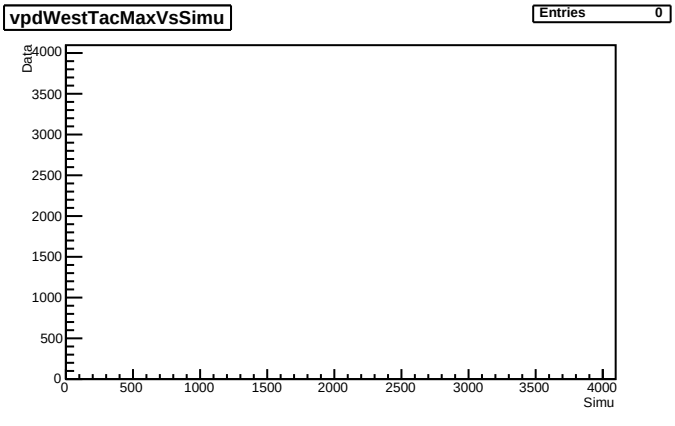
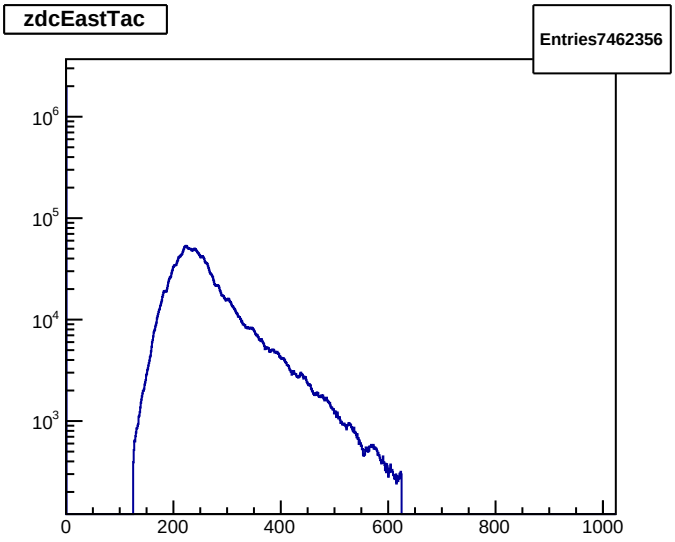
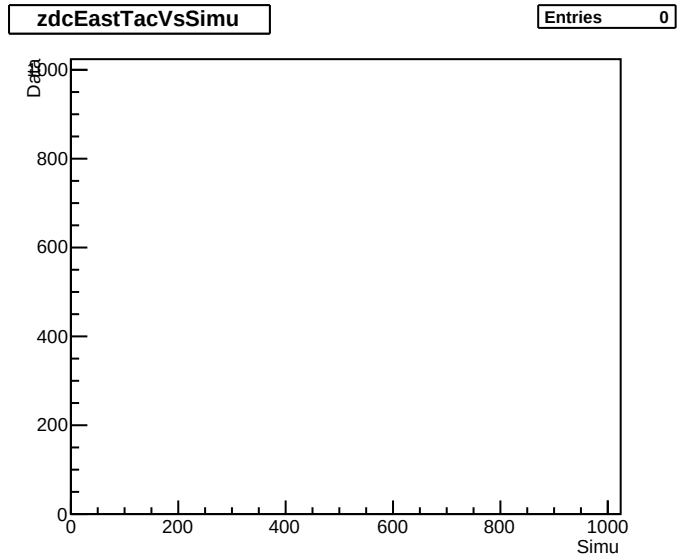
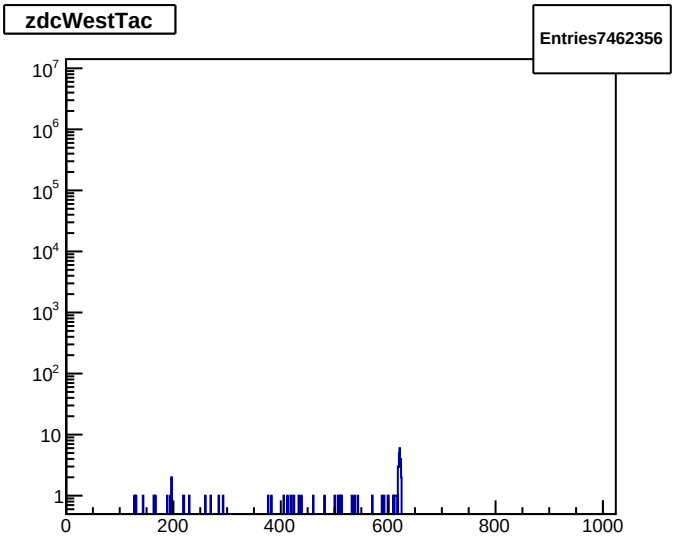
Entries 0
Data
Simu

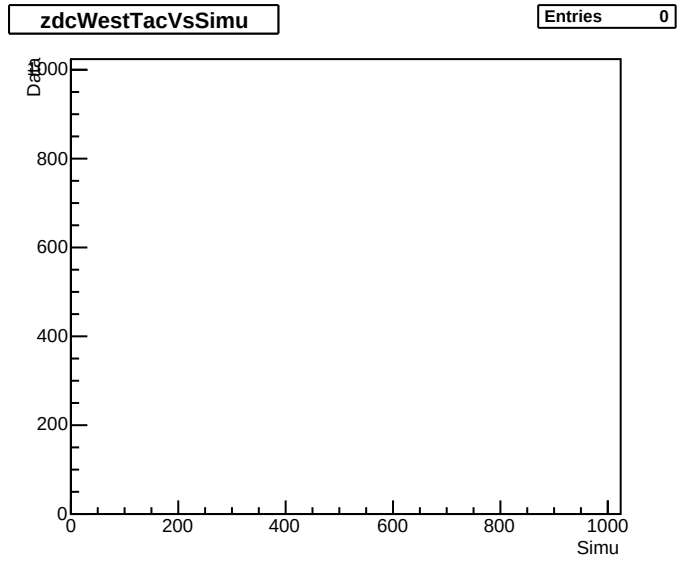

vpdWestTacMax
Entries7462356

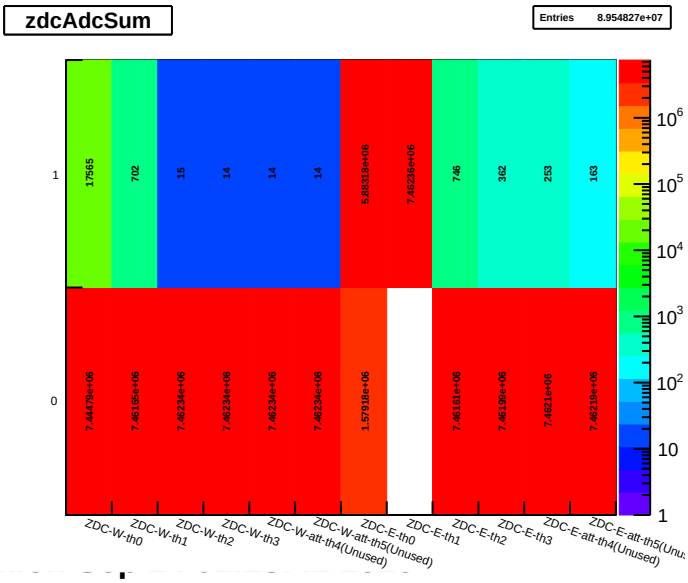

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

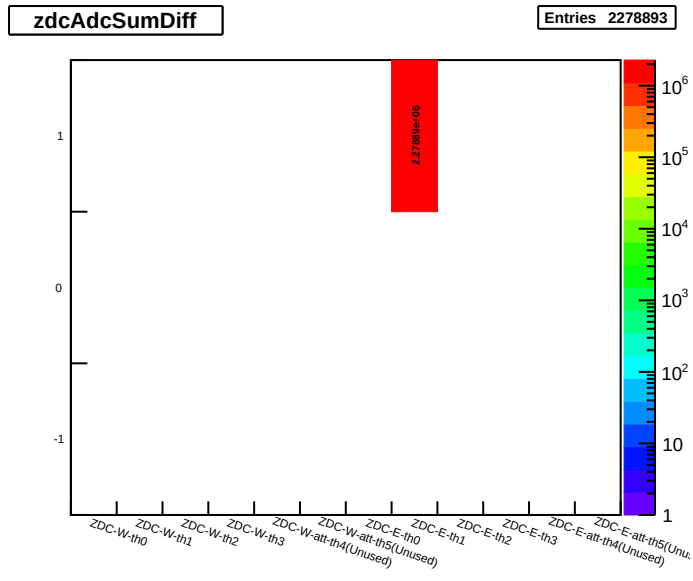

zdcEastTac
Entries7462356

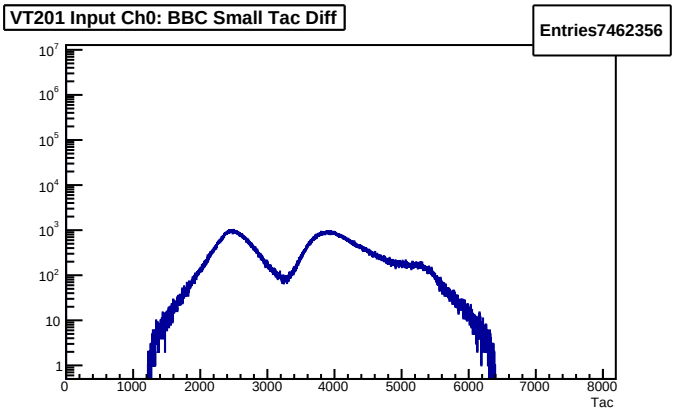

zdcEastTacVsSimu
Entries 0
Data
Simu

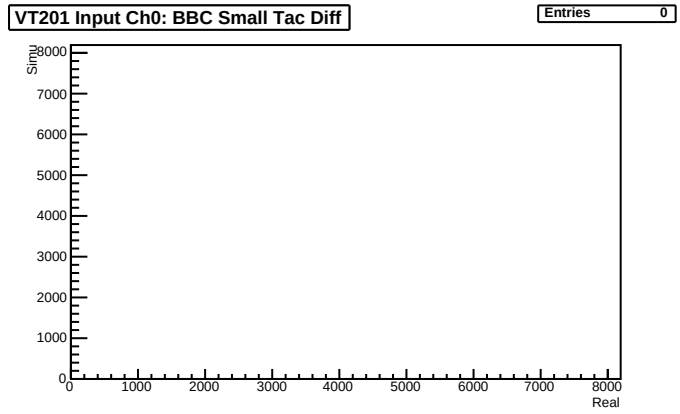

zdcWestTac
Entries7462356

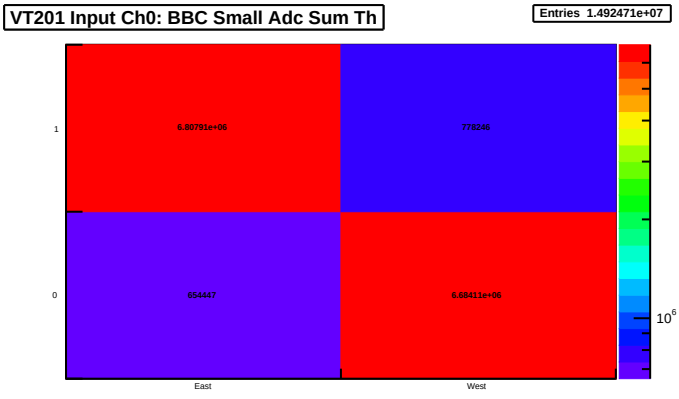

zdcWestTacVsSimu
Entries 0
Data
Simu

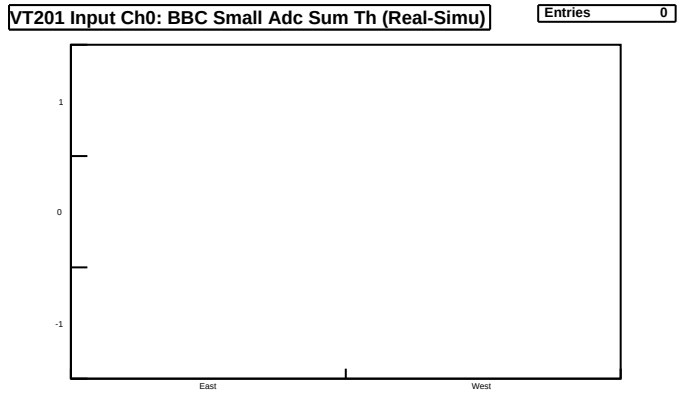

zdcAdcSum
Entries 8.954827e+07
17565
702
15
14
14
14
5.8318e+06
7.4626e+06
746
362
253
163
7.44479e+06
7.46165e+06
7.46234e+06
7.46234e+06
7.46234e+06
7.46234e+06
1.57918e+06
7.46161e+06
7.46190e+06
7.4621e+06
7.46219e+06
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

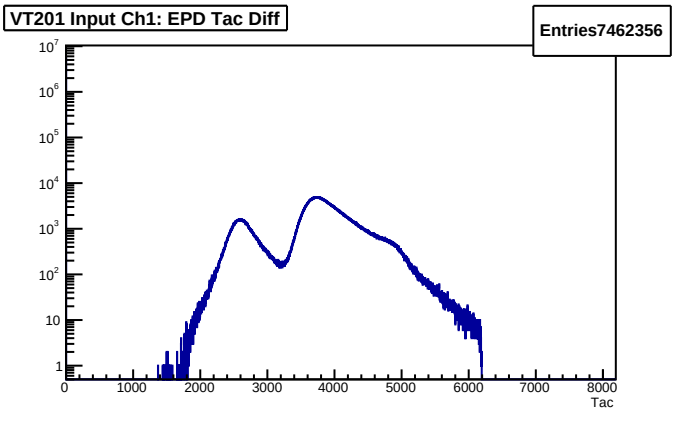

zdcAdcSumDiff
Entries 2278893
2.27889e+06
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

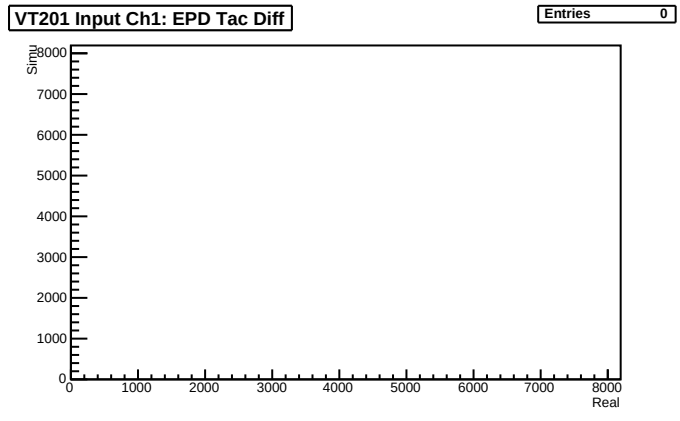

VT201 Input Ch0: BBC Small Tac Diff
Entries7462356
Tac

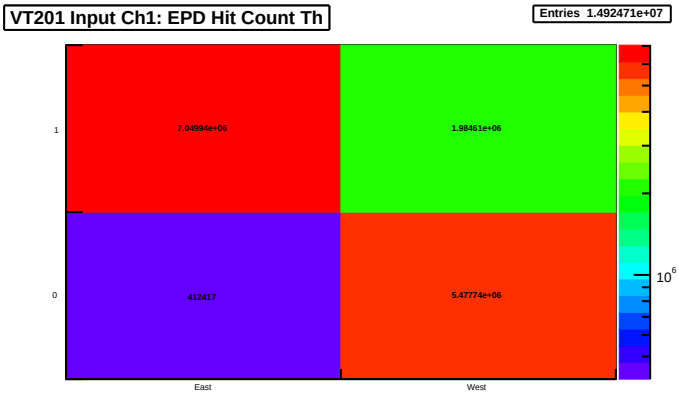

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

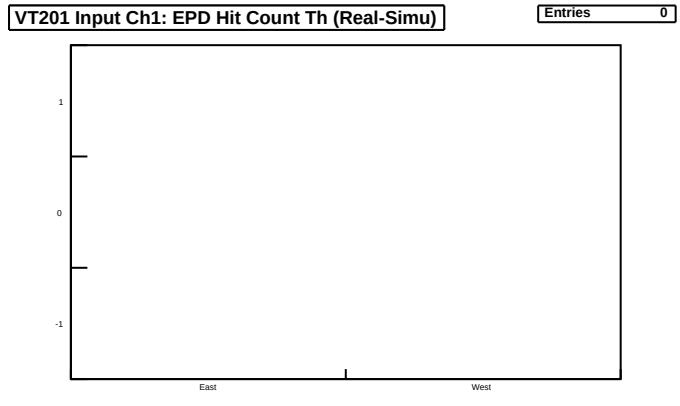

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1.492471e+07
6.80791e+06
778246
654447
6.68411e+06
East
West

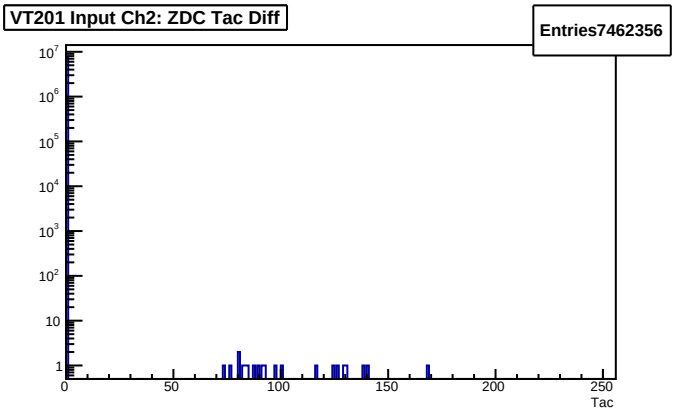

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

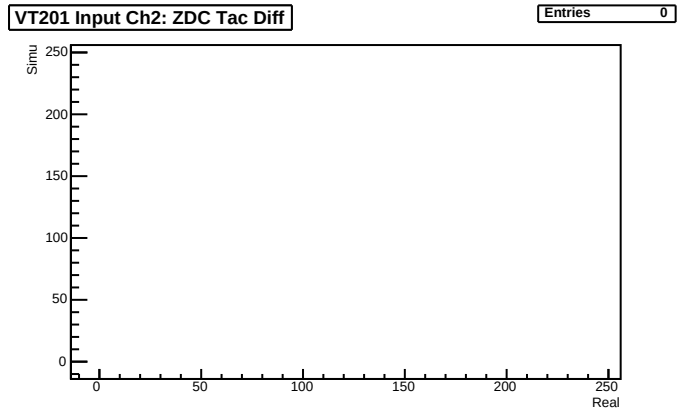

VT201 Input Ch1: EPD Tac Diff
Entries7462356
Tac

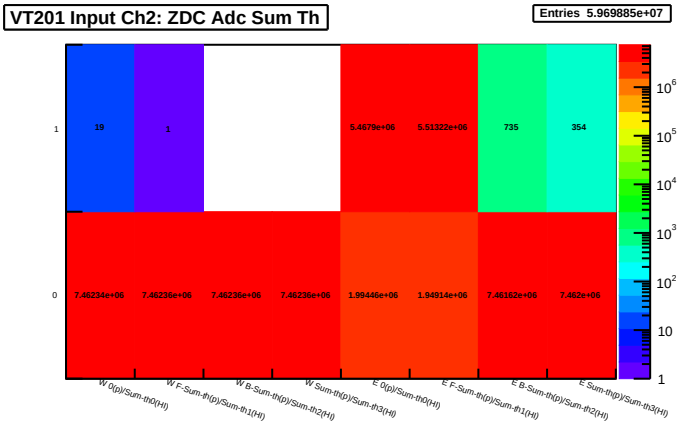

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

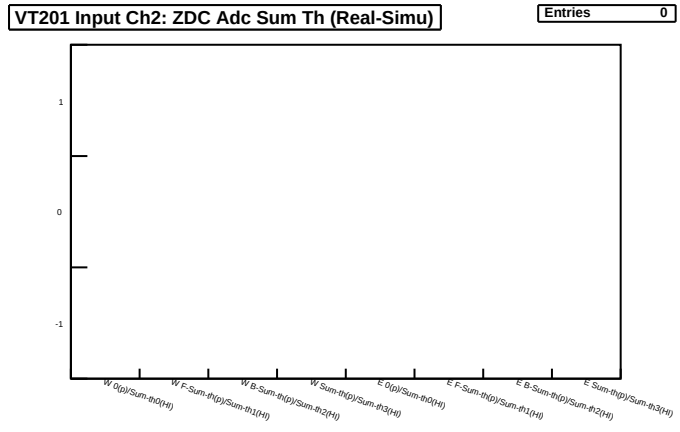

VT201 Input Ch1: EPD Hit Count Th
Entries 1.492471e+07
7.04994e+06
1.98461e+06
412417
5.47774e+06
East
West

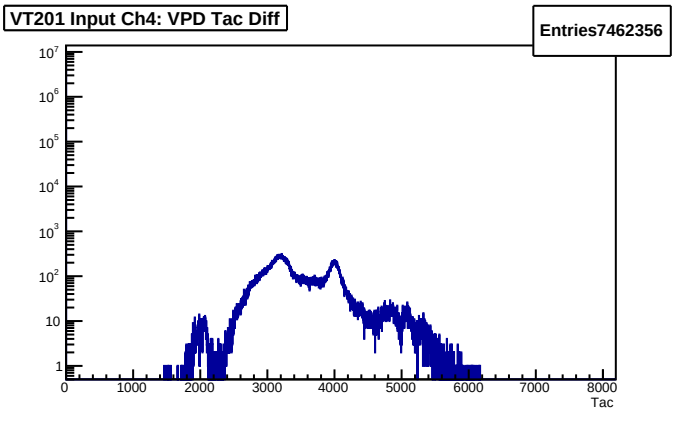

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

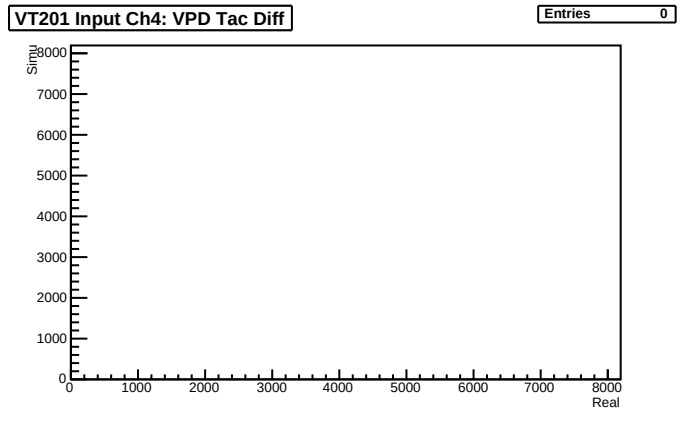

VT201 Input Ch2: ZDC Tac Diff
Entries7462356
Tac

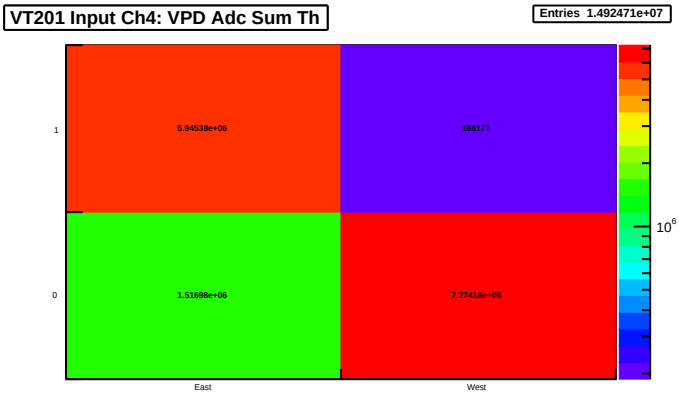

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

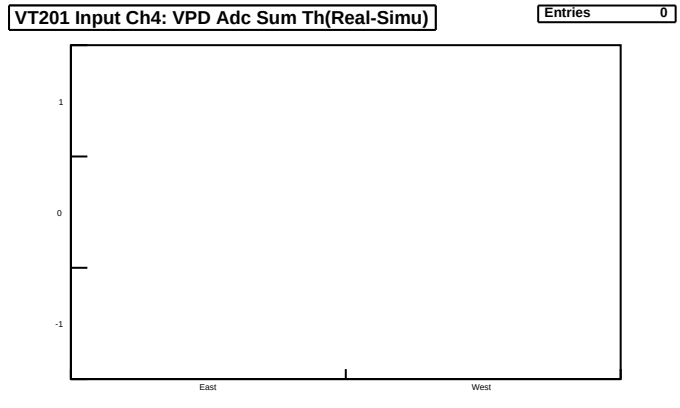

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5.969885e+07
19
1
5.4679e+06
5.51322e+06
735
354
7.46234e+06
7.46236e+06
7.46236e+06
7.46236e+06
1.99446e+06
1.94914e+06
7.46162e+06
7.462e+06
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

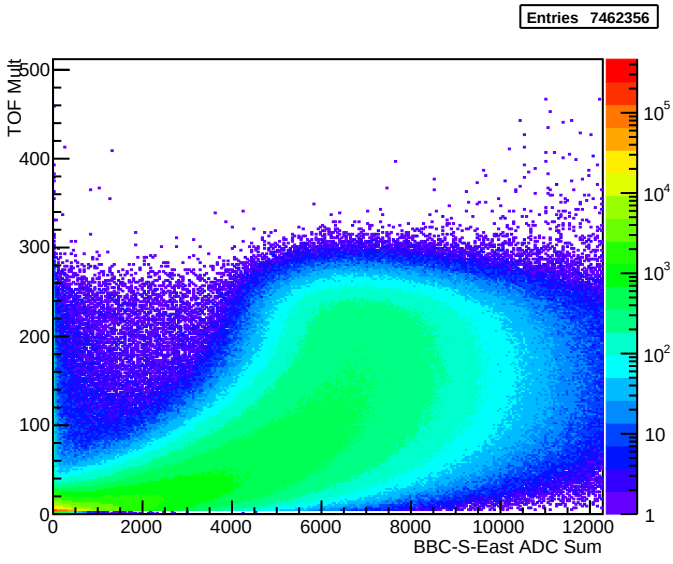

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

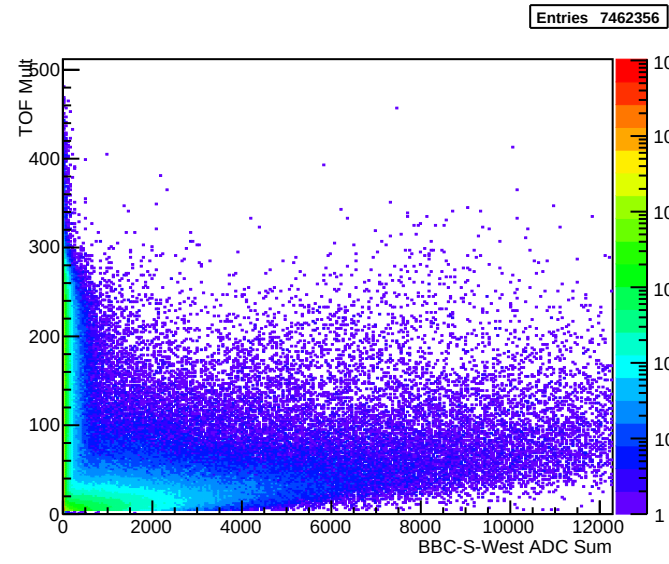

VT201 Input Ch4: VPD Tac Diff
Entries7462356
Tac

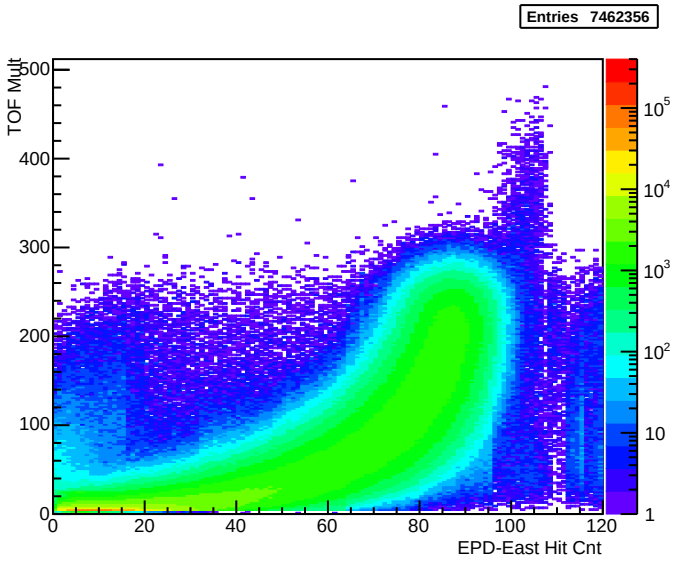

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

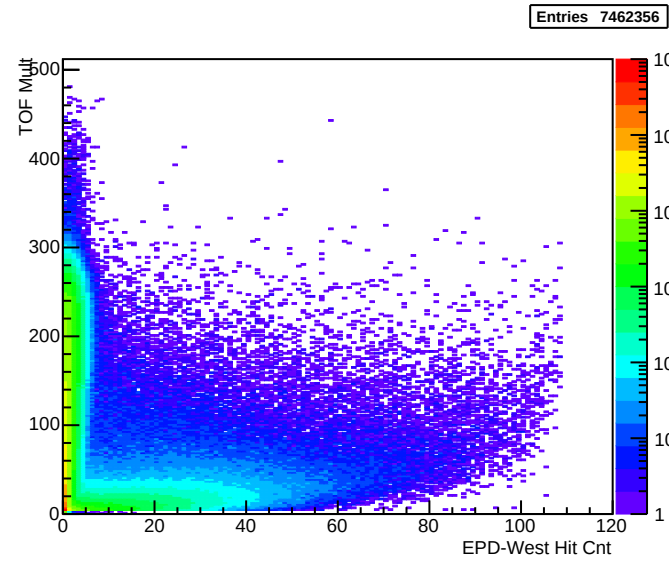

VT201 Input Ch4: VPD Adc Sum Th
Entries 1.492471e+07
5.94538e+06
189177
1.51698e+06
7.27418e+06
East
West

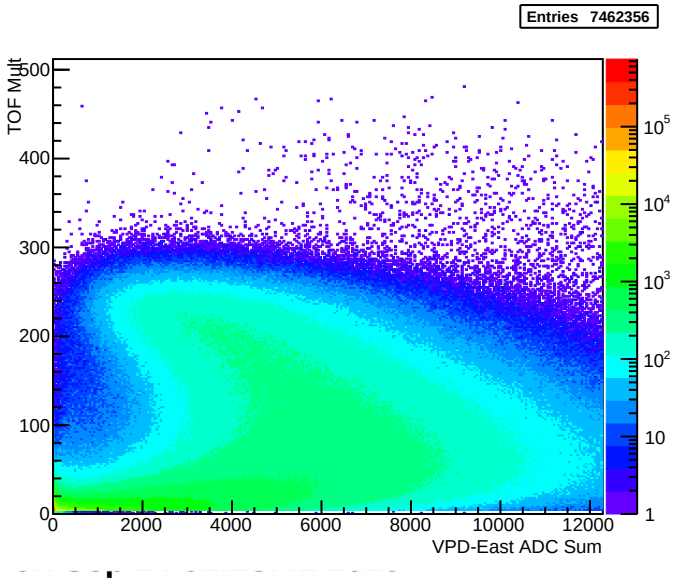

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

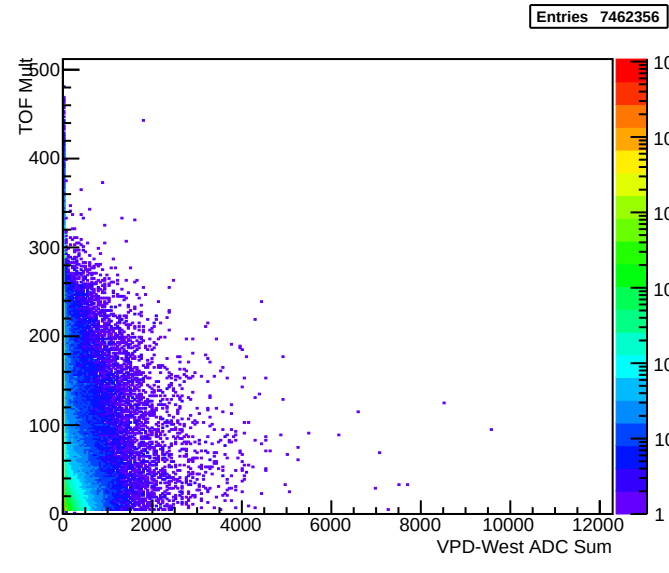

Entries 7462356
TOF Mult
BBC-S-East ADC Sum

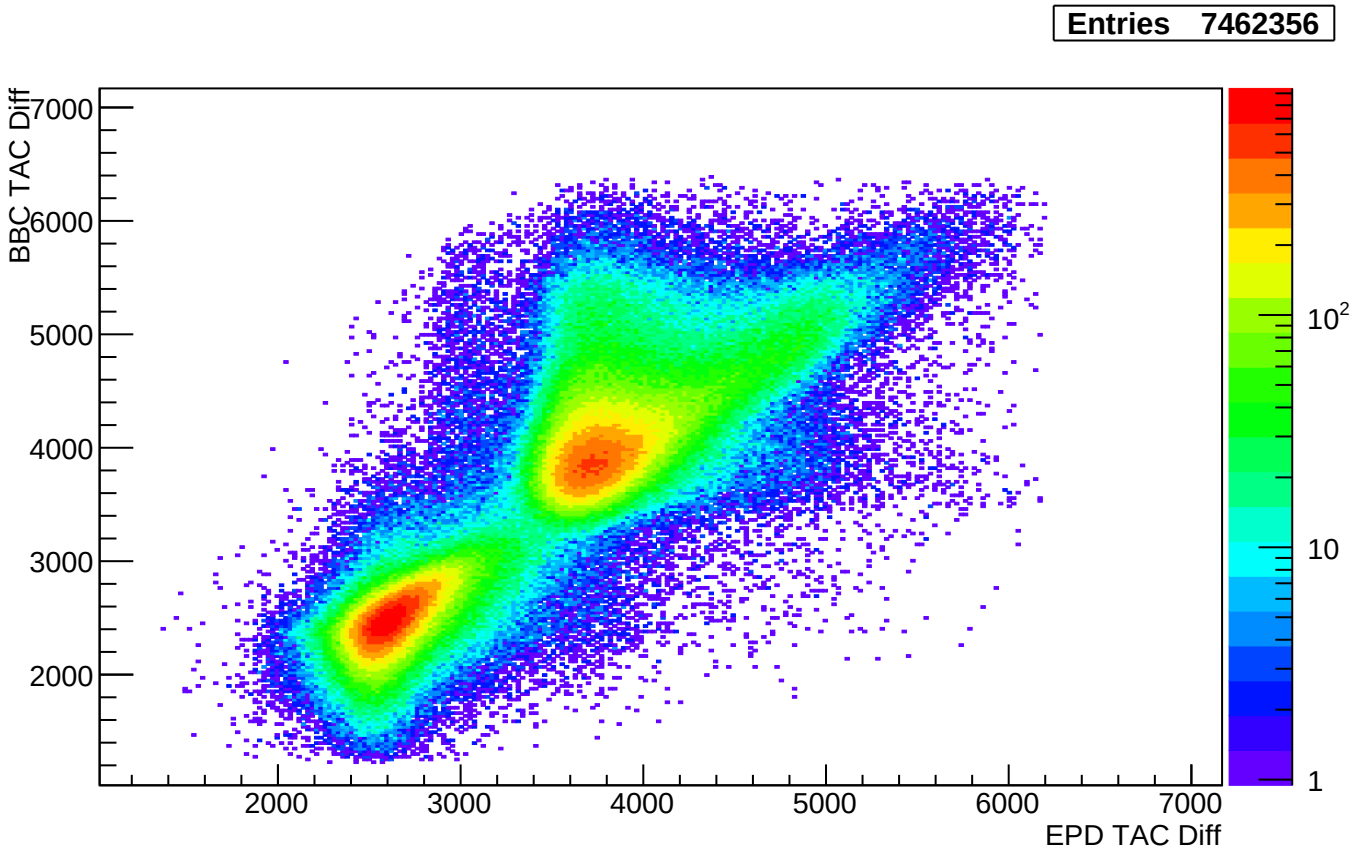

Entries 7462356
TOF Mult
BBC-S-West ADC Sum

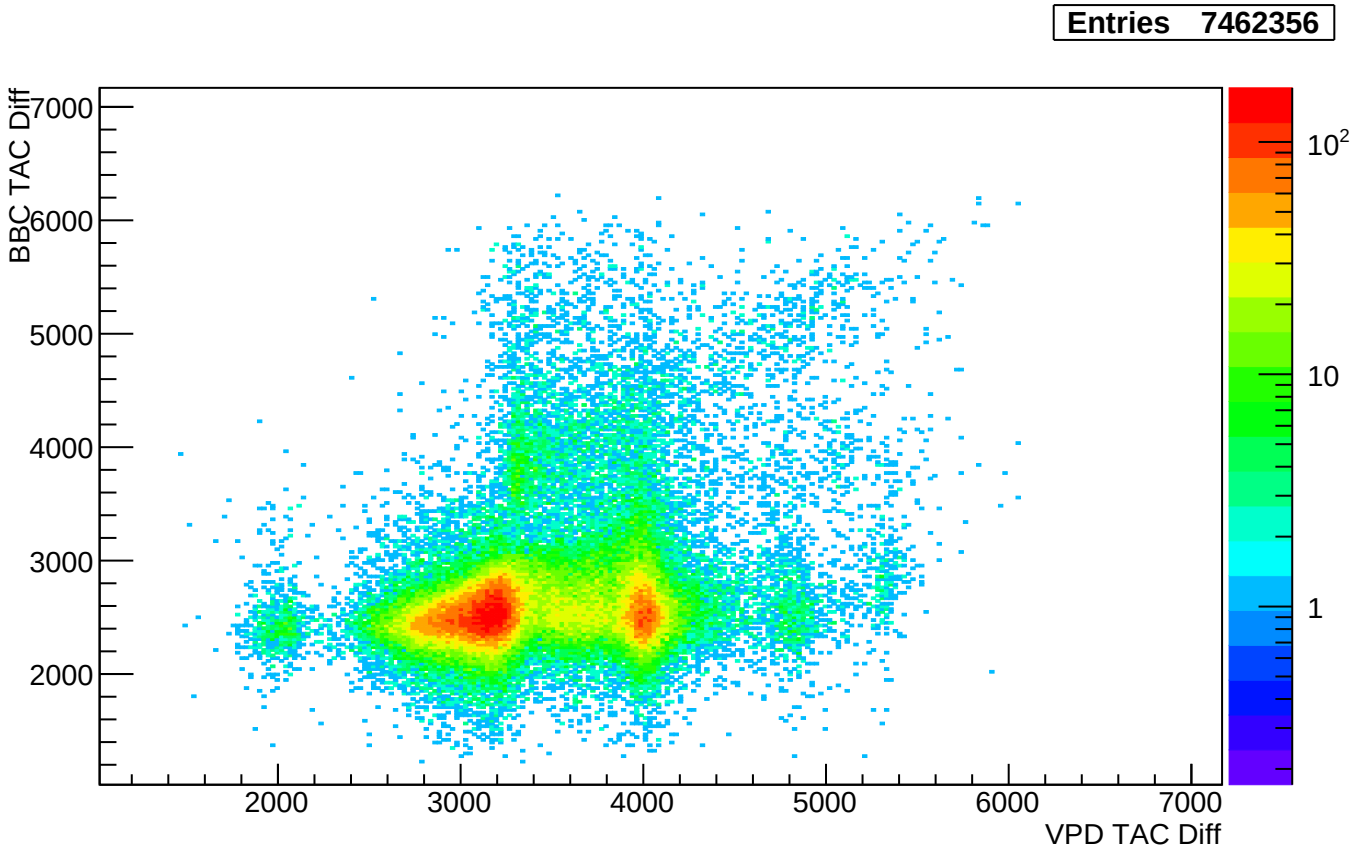

Entries 7462356
TOF Mult
EPD-East Hit Cnt

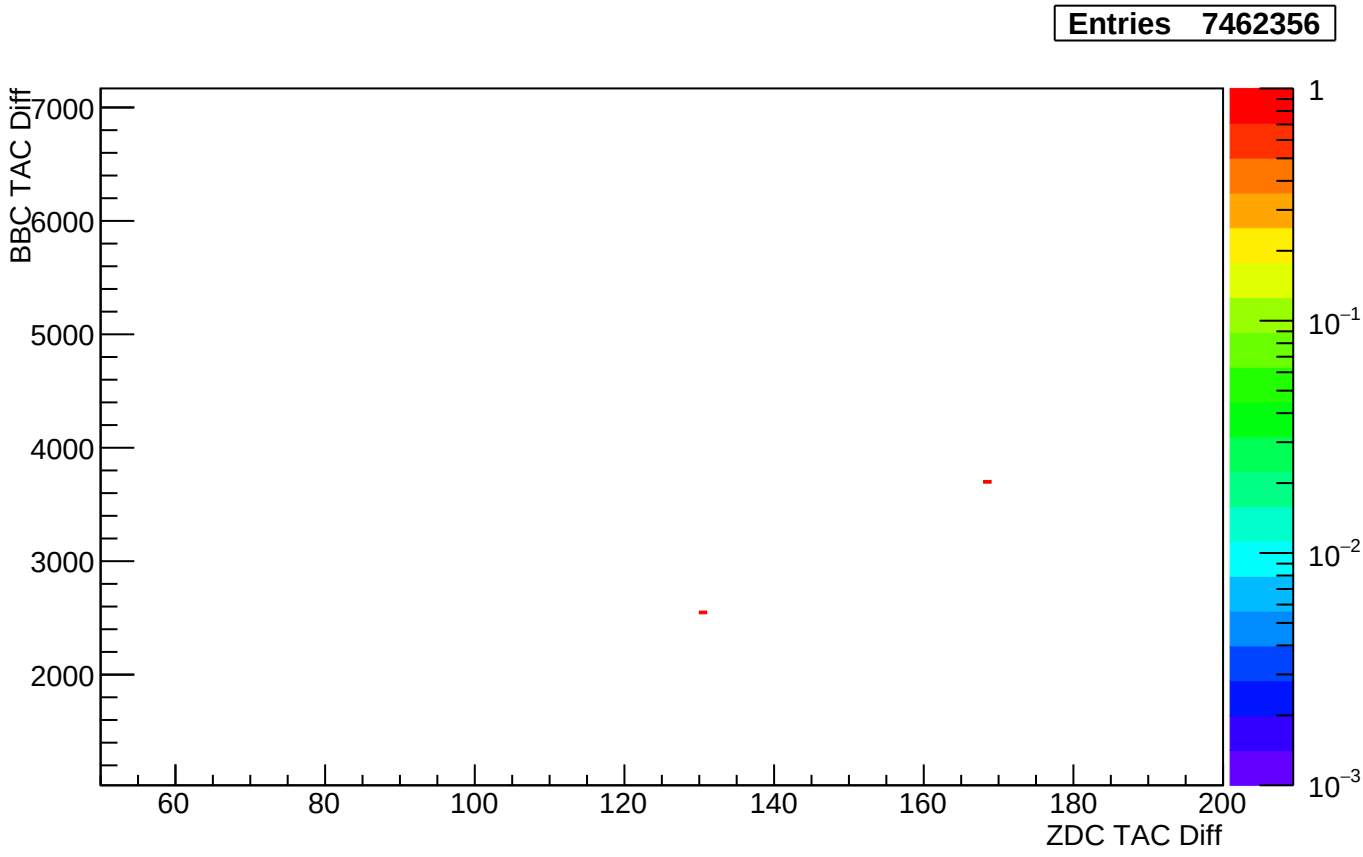

Entries 7462356
TOF Mult
EPD-West Hit Cnt

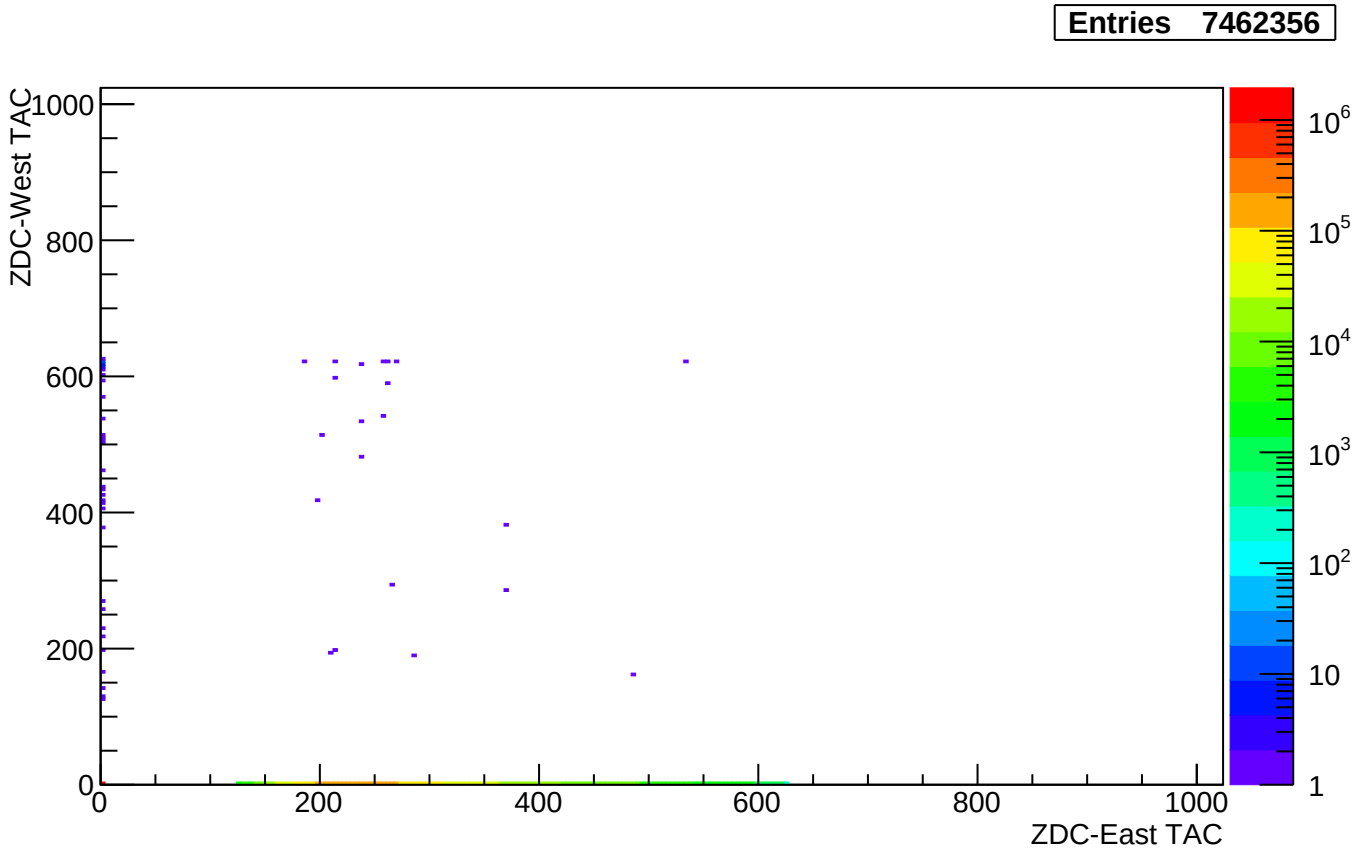

Entries 7462356
TOF Mult
VPD-East ADC Sum

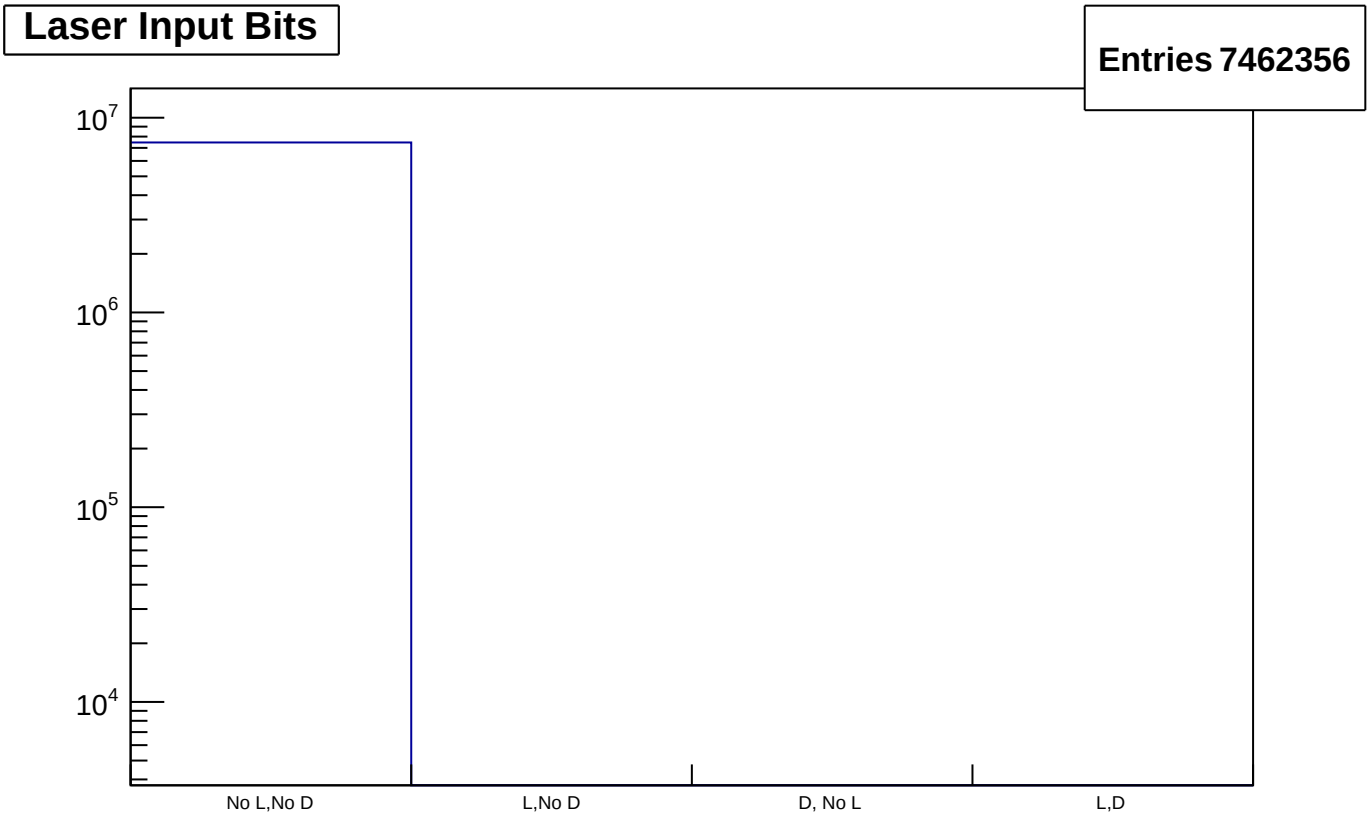

Entries 7462356
TOF Mult
VPD-West ADC Sum

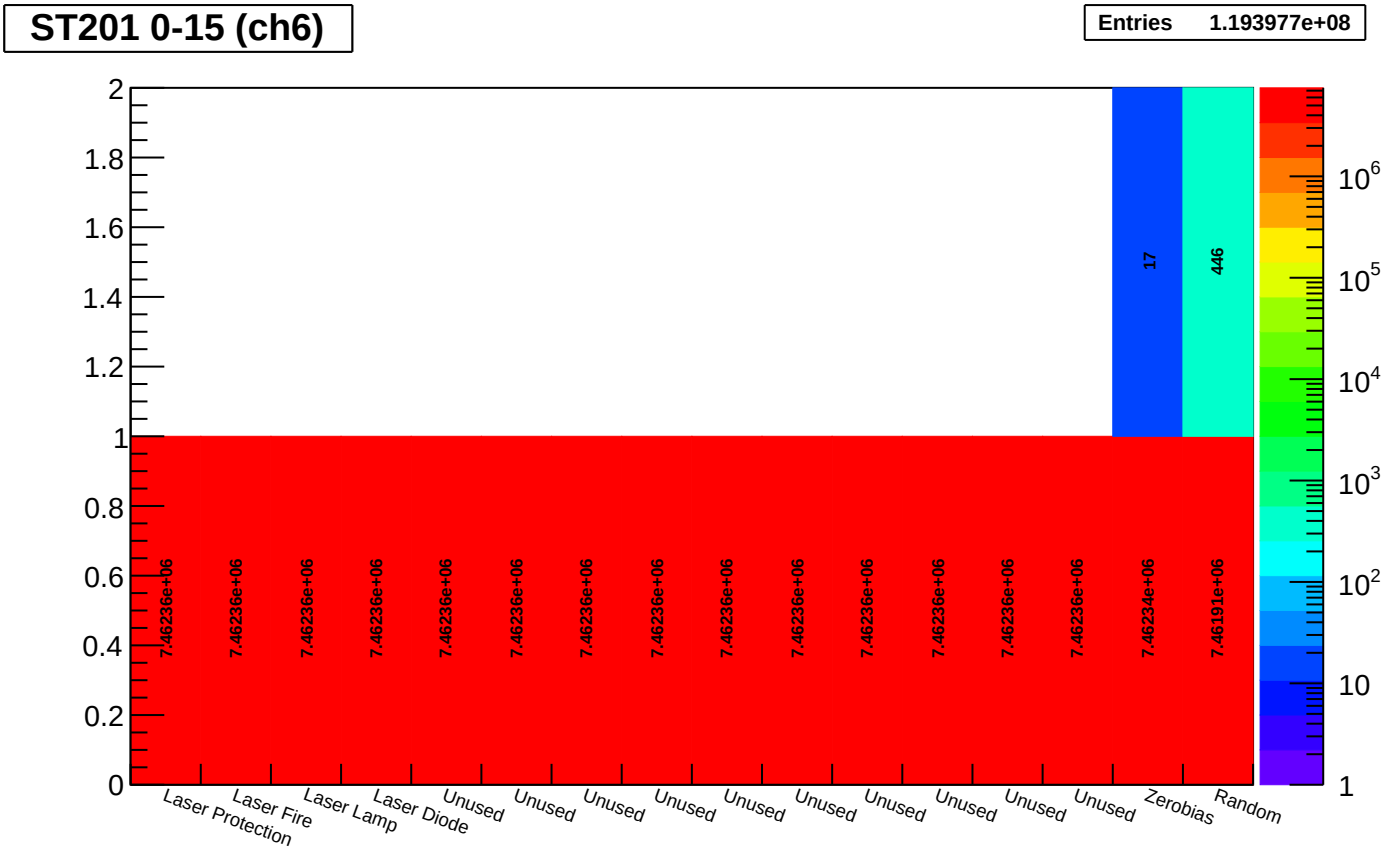

Entries 7462356
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

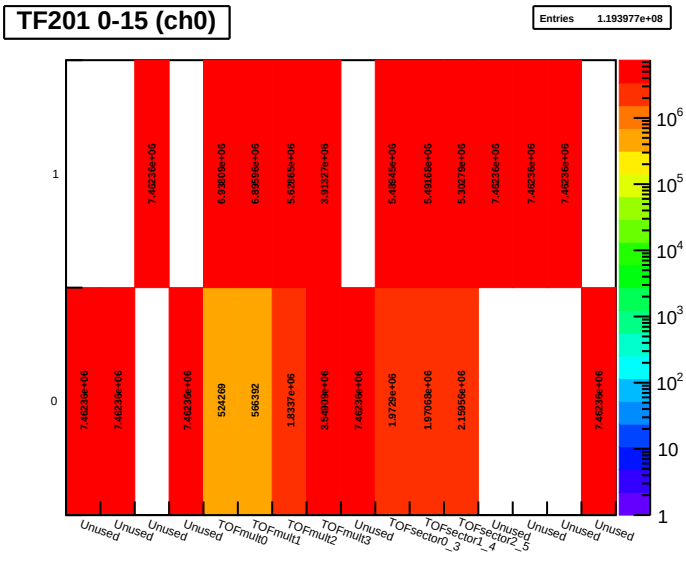

Entries 7462356
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

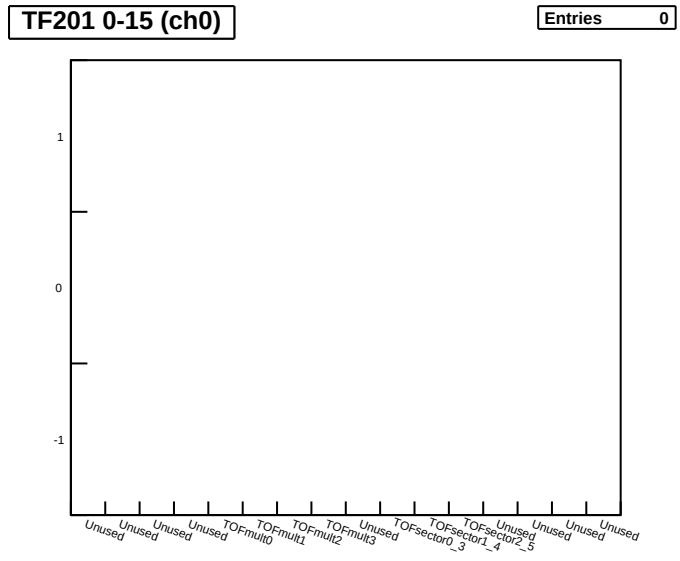

Entries 7462356
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

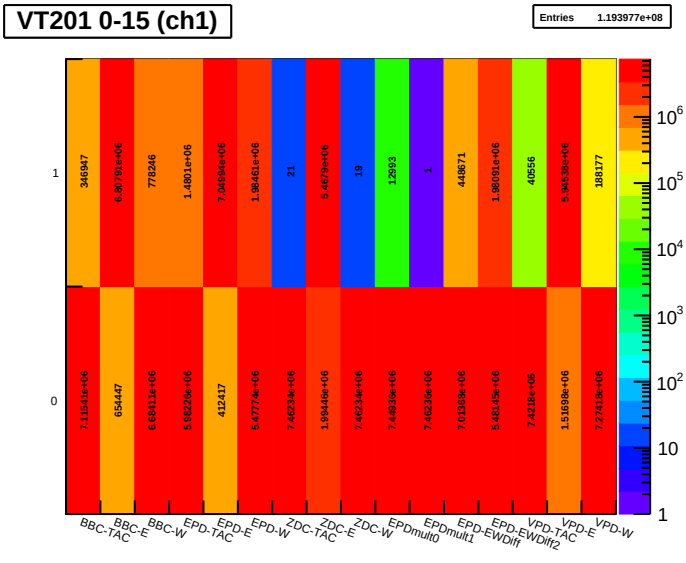

Entries 7462356
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^{6}
10^{5}
10^{4}
10^{3}
10^{2}
10
1

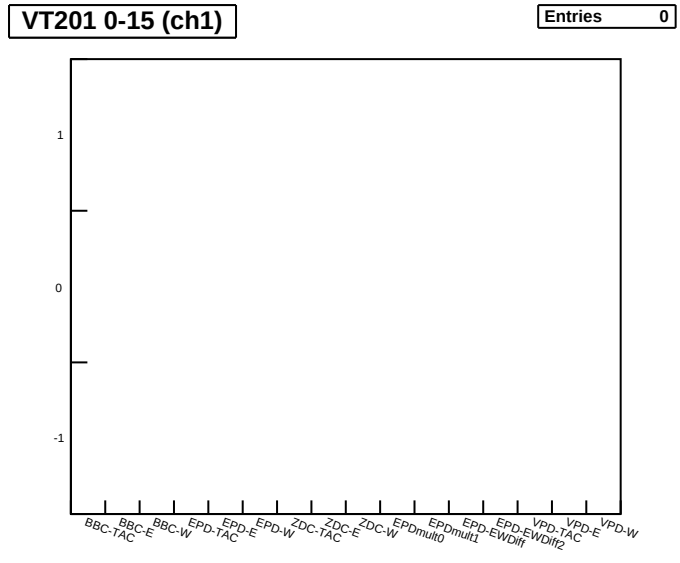

Laser Input Bits
Entries 7462356
10^7
10^6
10^5
10^4
No L,No D
L,No D
D, No L
L,D

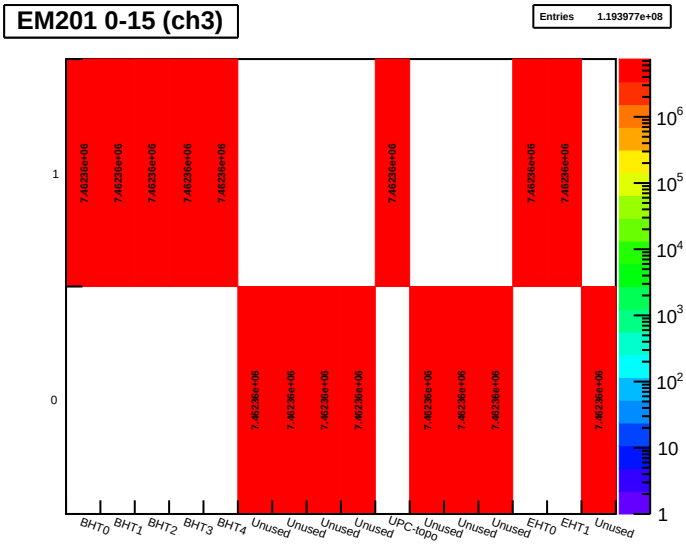

ST201 0-15 (ch6)
Entries 1.193977e+08
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
17
446
7.46236e+06
7.46234e+06
7.46191e+06
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^6
10^5
10^4
10^3
10^2
10
1

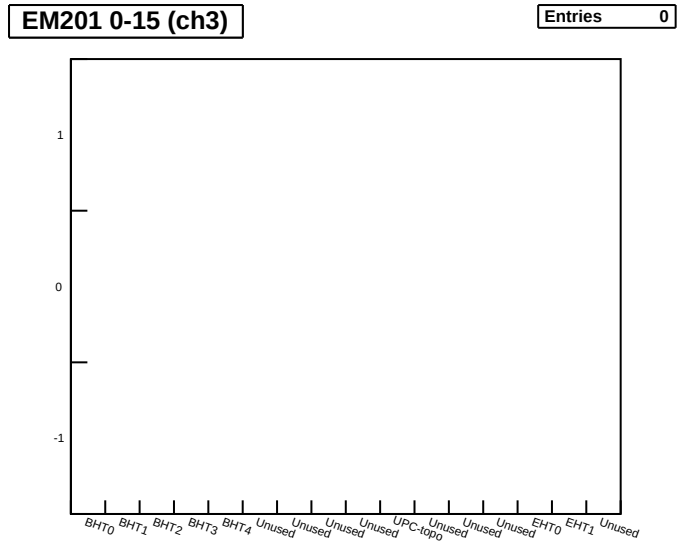

TF201 0-15 (ch0)
Entries 1.193977e+08
7.46236e+06
6.93809e+06
6.89596e+06
5.62865e+06
3.91327e+06
5.48945e+06
5.49168e+06
5.30279e+06
7.46236e+06
7.46236e+06
7.46236e+06
7.46236e+06
7.46236e+06
524269
566392
1.83376e+06
3.54909e+06
7.46236e+06
1.97729e+06
1.97069e+06
2.15956e+06
7.46236e+06
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5


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


VT201 0-15 (ch1)
Entries 1.193977e+08
346947
6.80791e+06
778246
1.4801e+06
7.04994e+06
1.98461e+06
21
5.4679e+06
19
12993
1
448671
1.98091e+06
40556
5.94538e+06
188177
7.11541e+06
654447
6.68411e+06
5.98226e+06
412417
5.47774e+06
7.46234e+06
1.99446e+06
7.46234e+06
7.44936e+06
7.46236e+06
7.01368e+06
5.48145e+06
7.4218e+06
1.51698e+06
7.27418e+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


VT201 0-15 (ch1)
Entries 0
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 1.193977e+08
7.46236e+06
7.46236e+06
7.46236e+06
7.46236e+06
7.46236e+06
7.46236e+06
7.46236e+06
7.46236e+06
7.46236e+06
7.46236e+06
7.46236e+06
7.46236e+06
7.46236e+06
7.46236e+06
7.46236e+06
7.46236e+06
7.46236e+06
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1


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