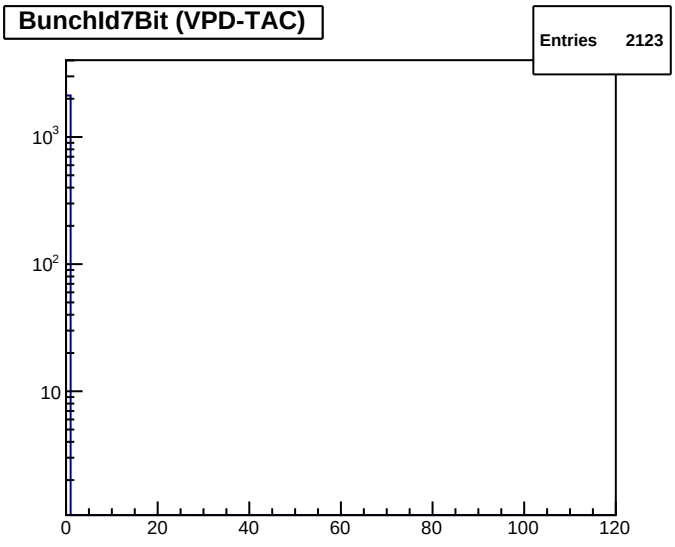
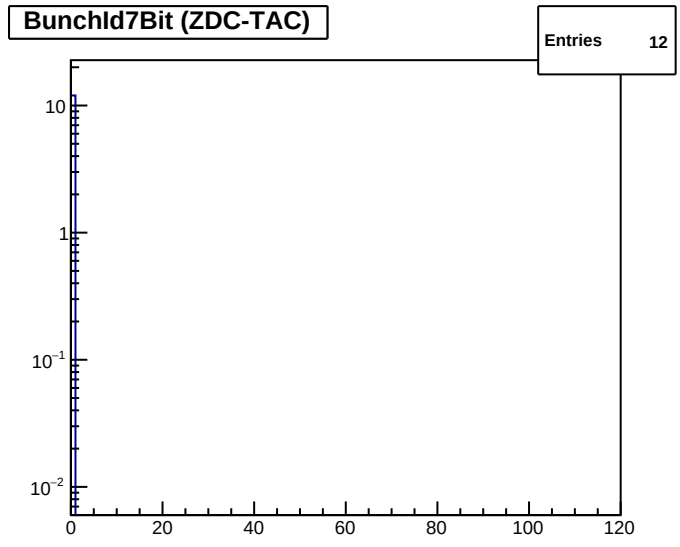
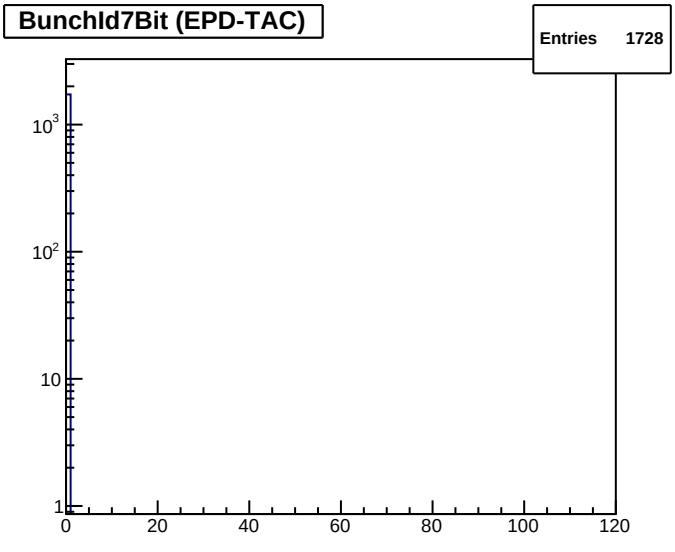
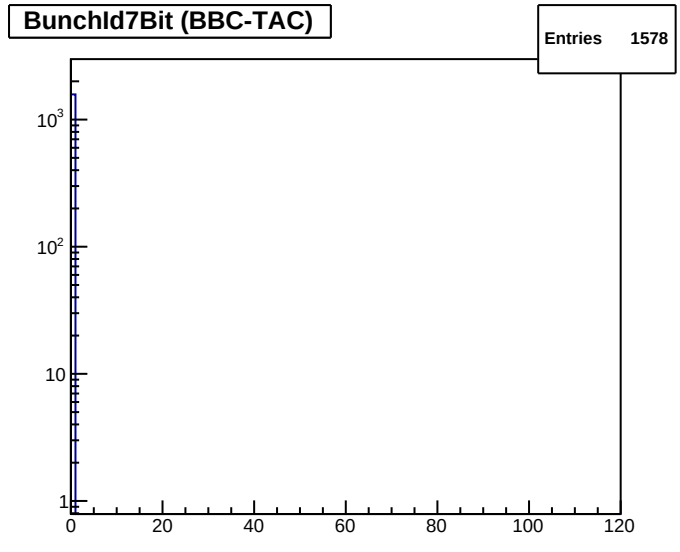
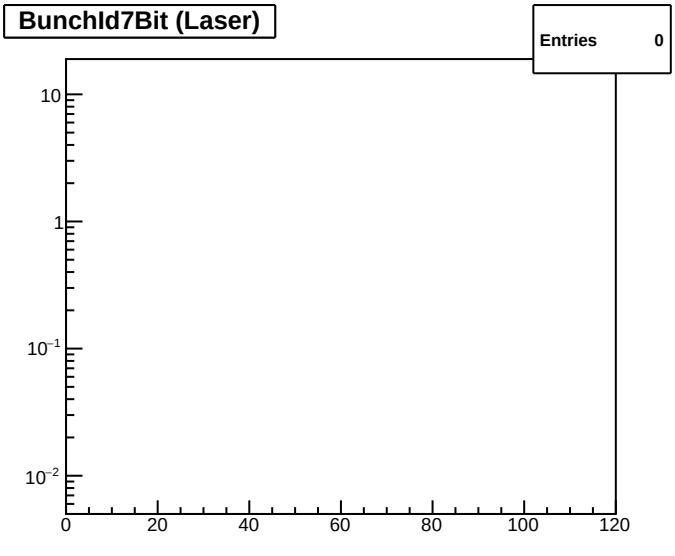
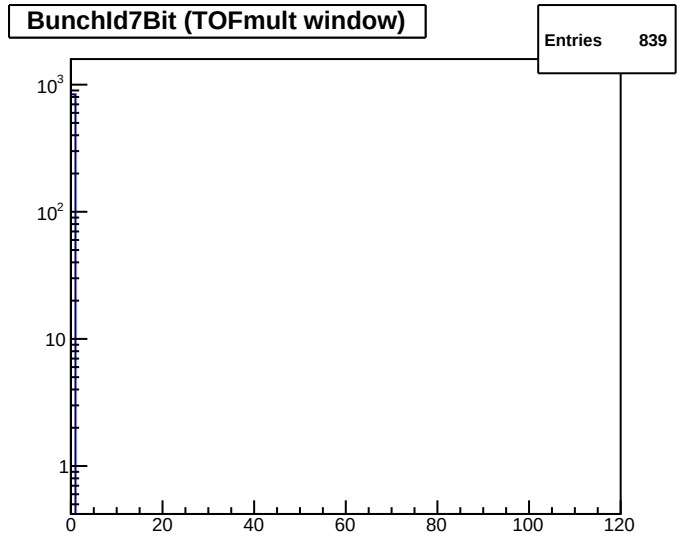

BunchId7Bit (VPD-TAC)
Entries 2123

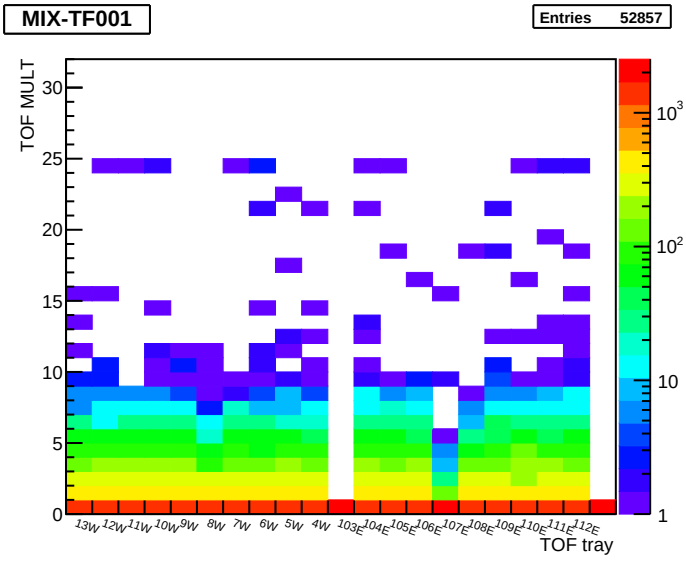

BunchId7Bit (ZDC-TAC)
Entries 12

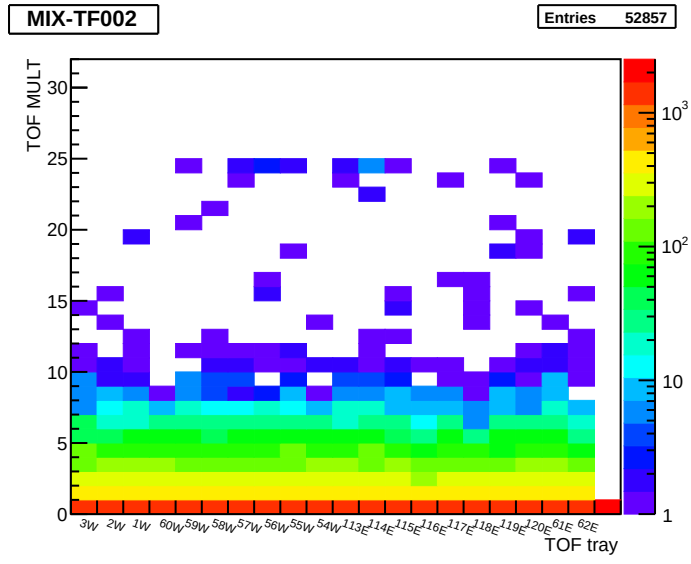

BunchId7Bit (EPD-TAC)
Entries 1728

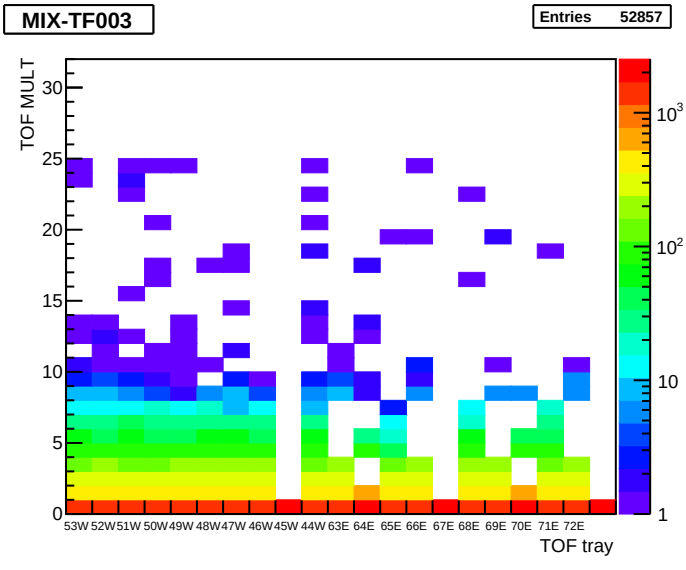

BunchId7Bit (BBC-TAC)
Entries 1578

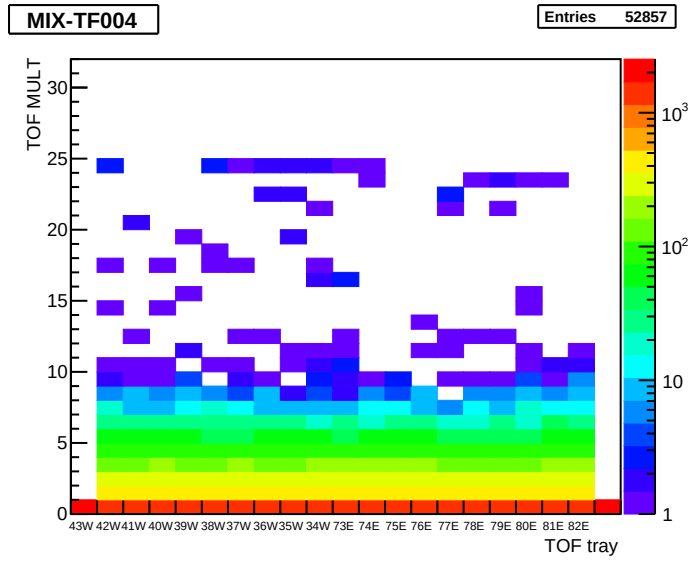

BunchId7Bit (Laser)
Entries 0

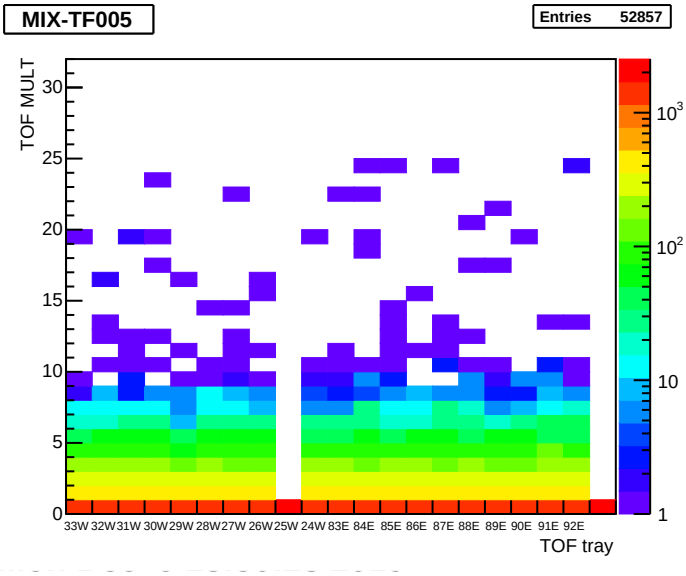

BunchId7Bit (TOFmult window)
Entries 839

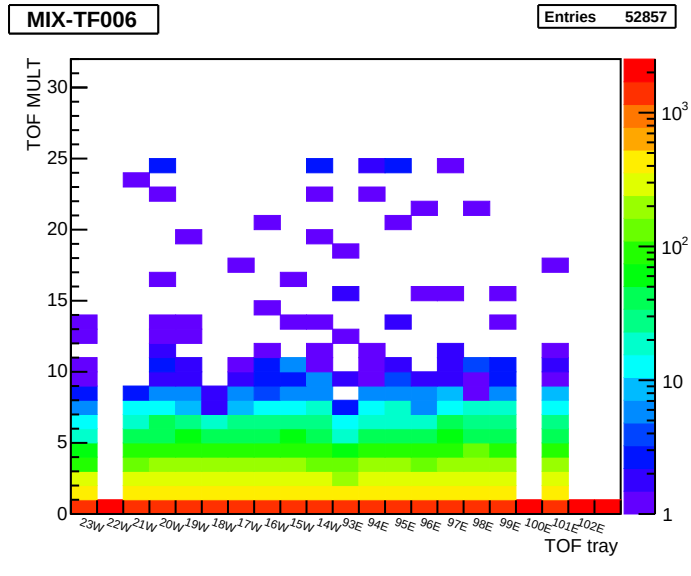

MIX-TF001
Entries 52857
TOF MULT
TOF tray

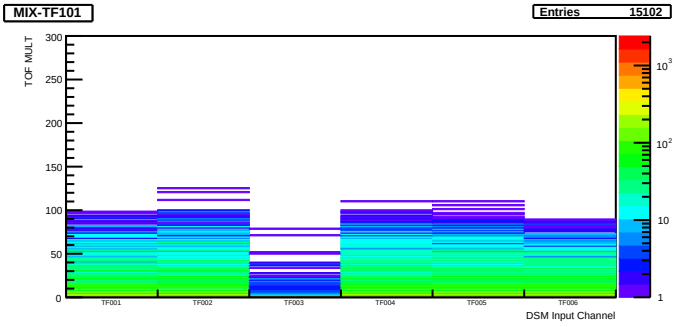

MIX-TF002
Entries 52857
TOF MULT
TOF tray

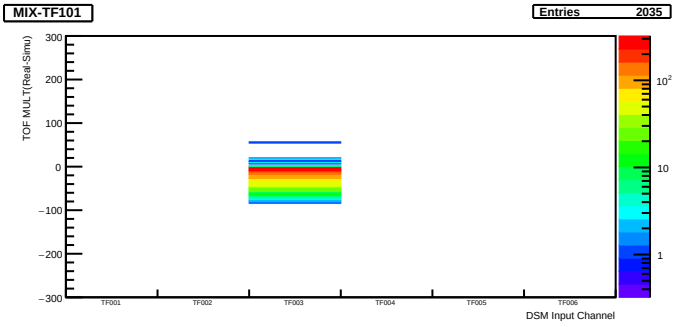

MIX-TF003
Entries 52857
TOF MULT
TOF tray

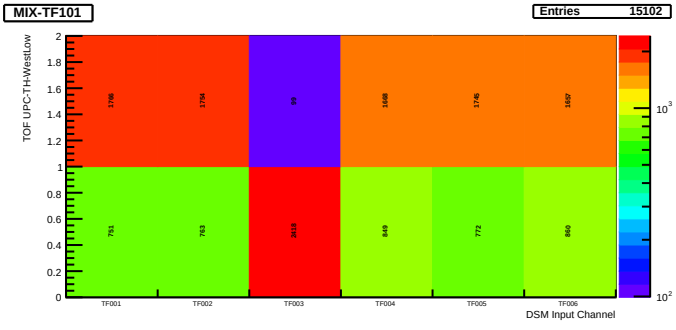

MIX-TF004
Entries 52857
TOF MULT
TOF tray

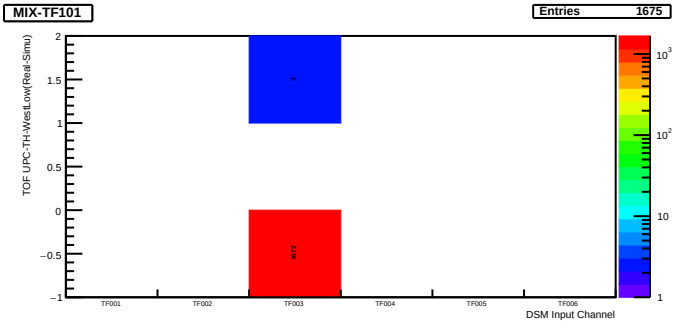

MIX-TF005
Entries 52857
TOF MULT
TOF tray

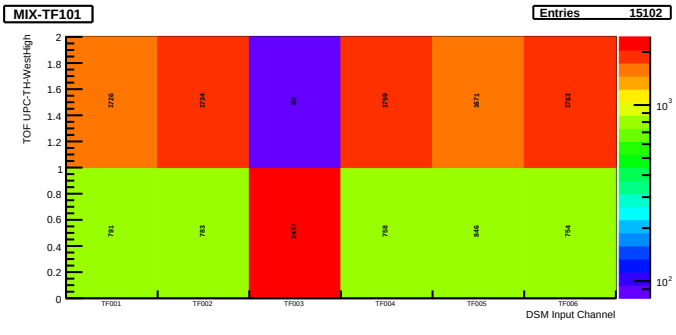

MIX-TF006
Entries 52857
TOF MULT
TOF tray

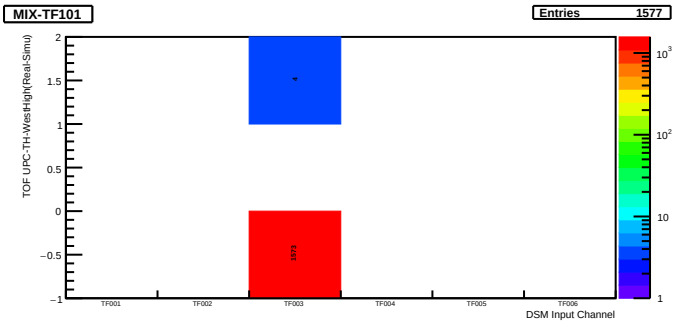

MIX-TF101
Entries 15102
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

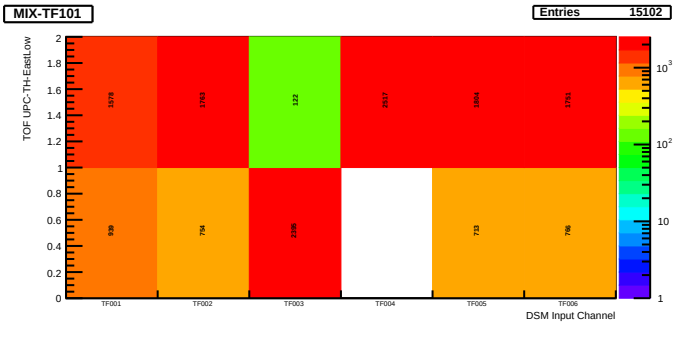

MIX-TF101
Entries 2035
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

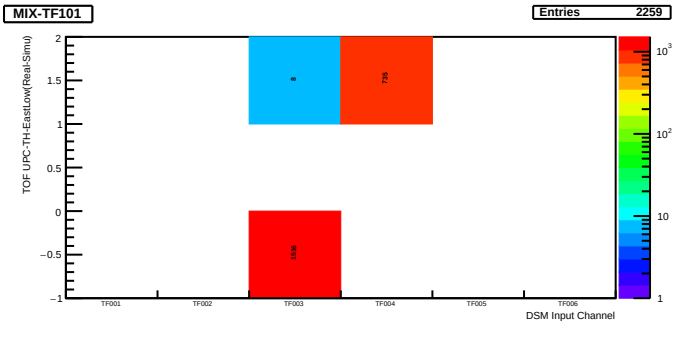

MIX-TF101
Entries 15102
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

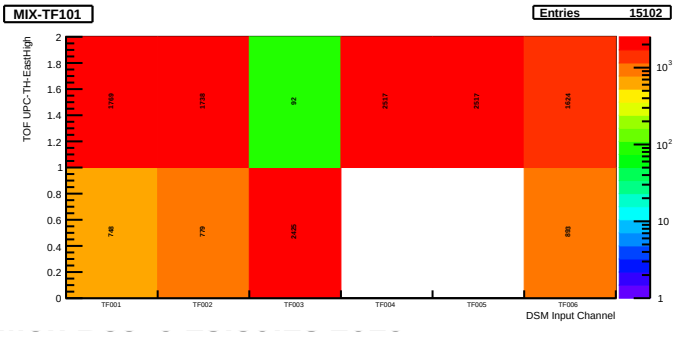

MIX-TF101
Entries 1675
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

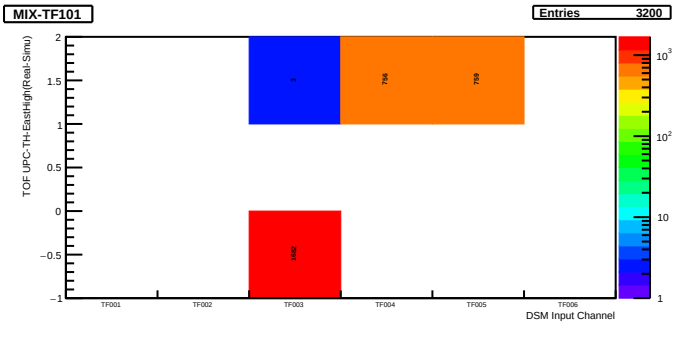

MIX-TF101
Entries 15102
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

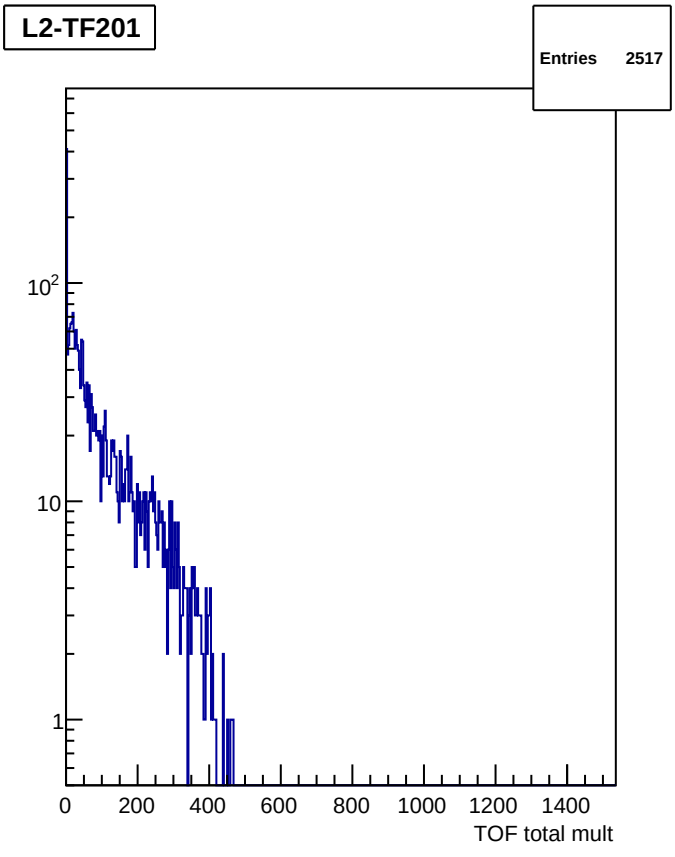

MIX-TF101
Entries 1577
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

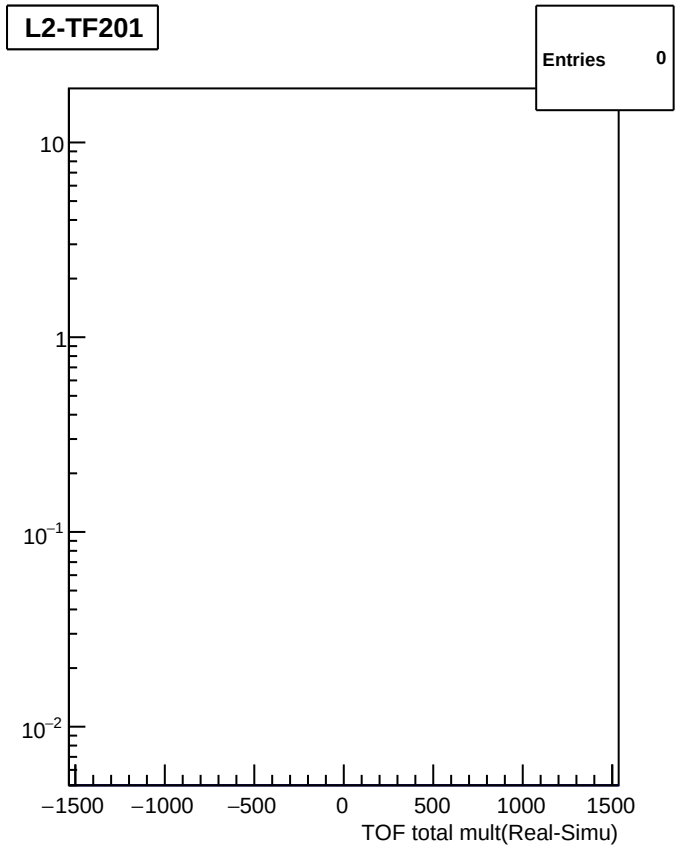

MIX-TF101
Entries 15102
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

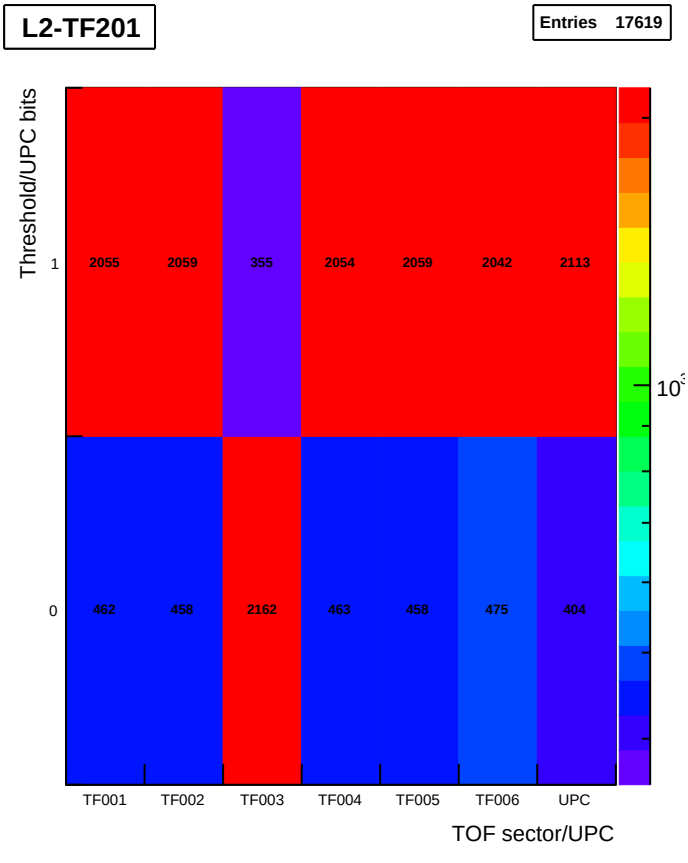

MIX-TF101
Entries 2259
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

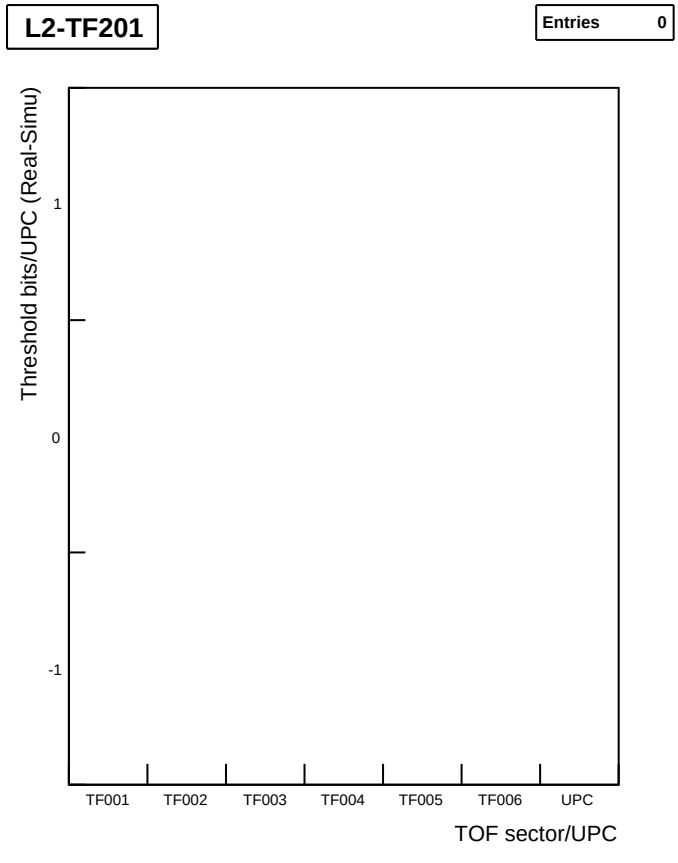

MIX-TF101
Entries 15102
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

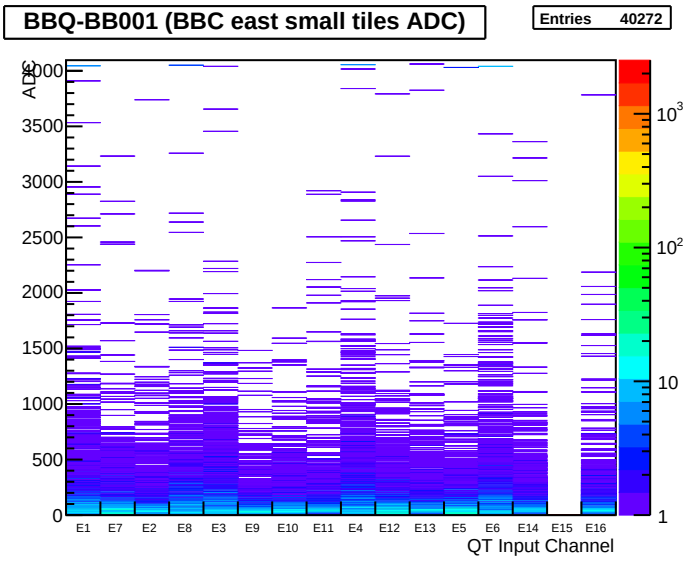

MIX-TF101
Entries 3200
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

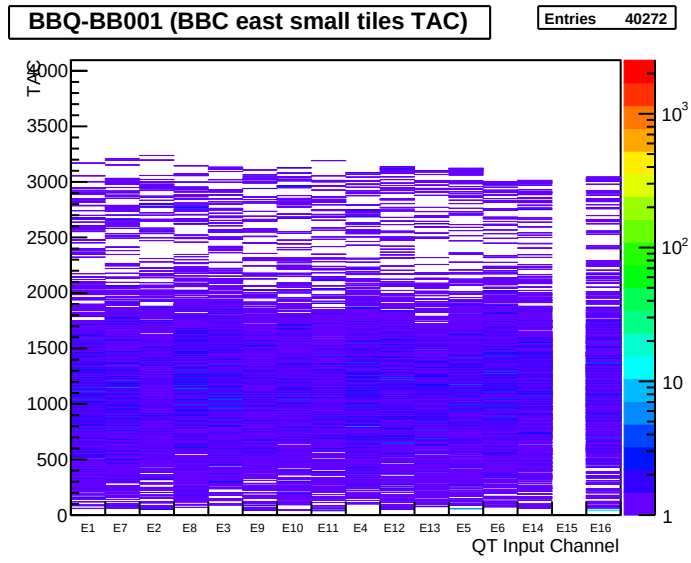

L2-TF201
Entries 2517
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

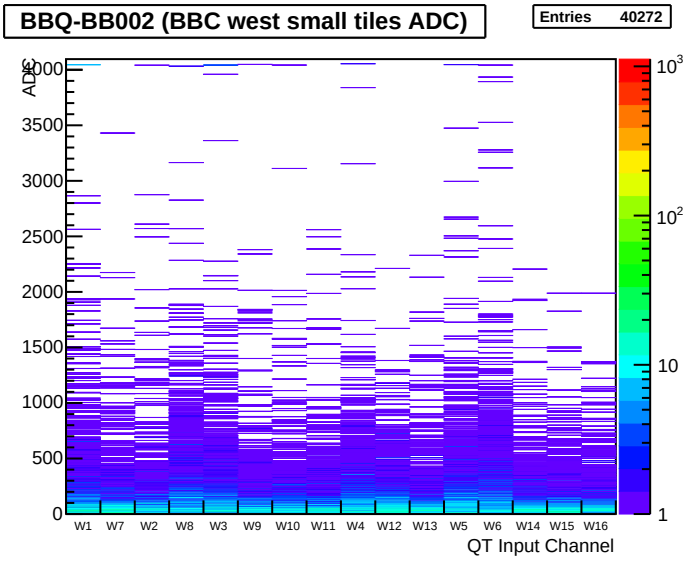

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

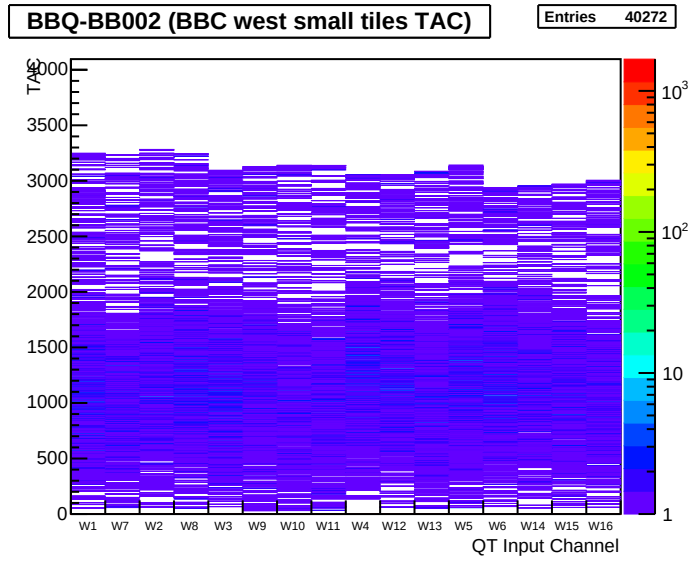

L2-TF201
Entries 17619
Threshold/UPC bits
1
0
2055
2059
355
2054
2059
2042
2113
462
458
2162
463
458
475
404
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

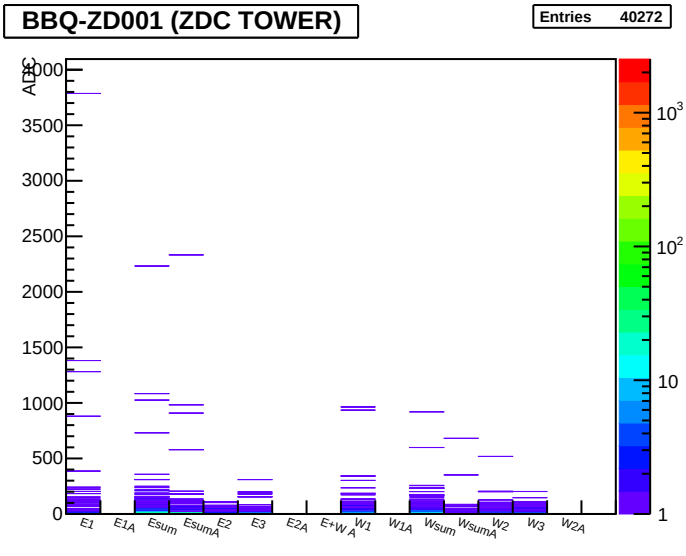

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

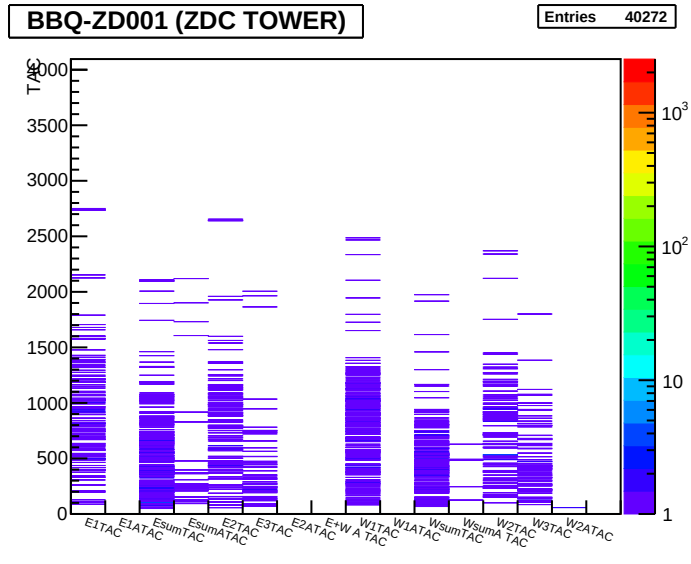

BBQ-BB001 (BBC east small tiles ADC)
Entries 40272
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

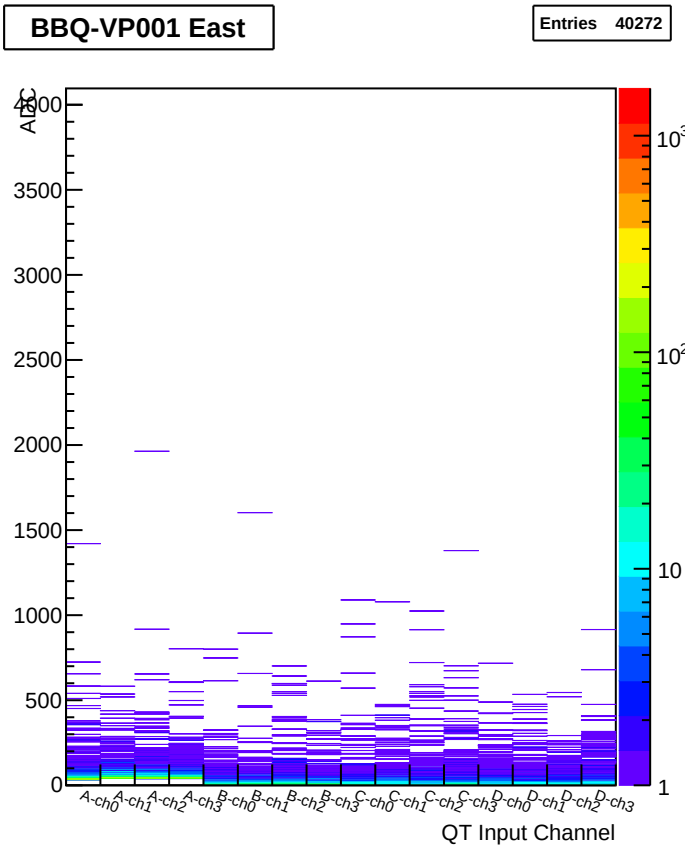

BBQ-BB001 (BBC east small tiles TAC)
Entries 40272
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

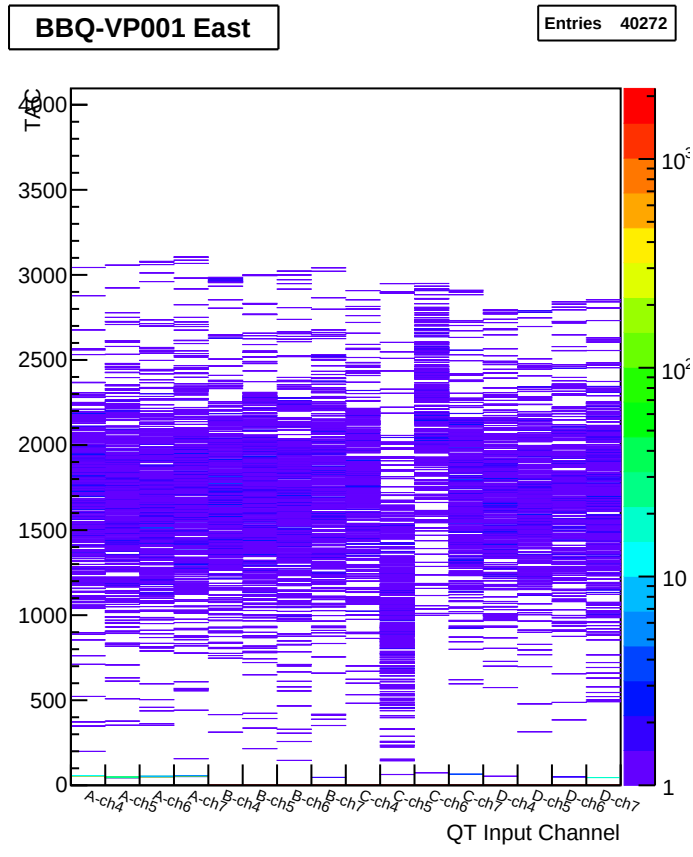

BBQ-BB002 (BBC west small tiles ADC)
Entries 40272
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

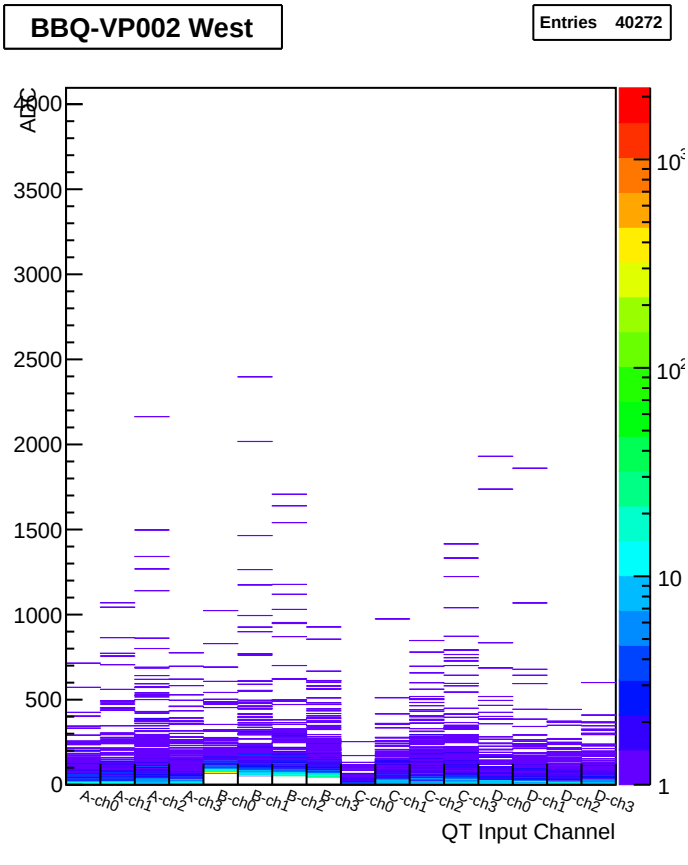

BBQ-BB002 (BBC west small tiles TAC)
Entries 40272
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

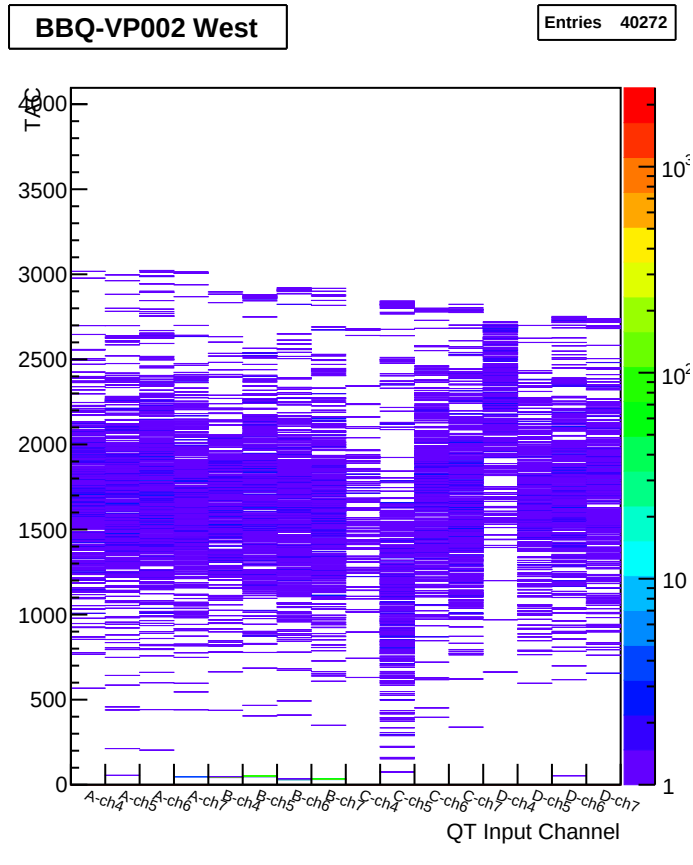

BBQ-ZD001 (ZDC TOWER)
Entries 40272
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

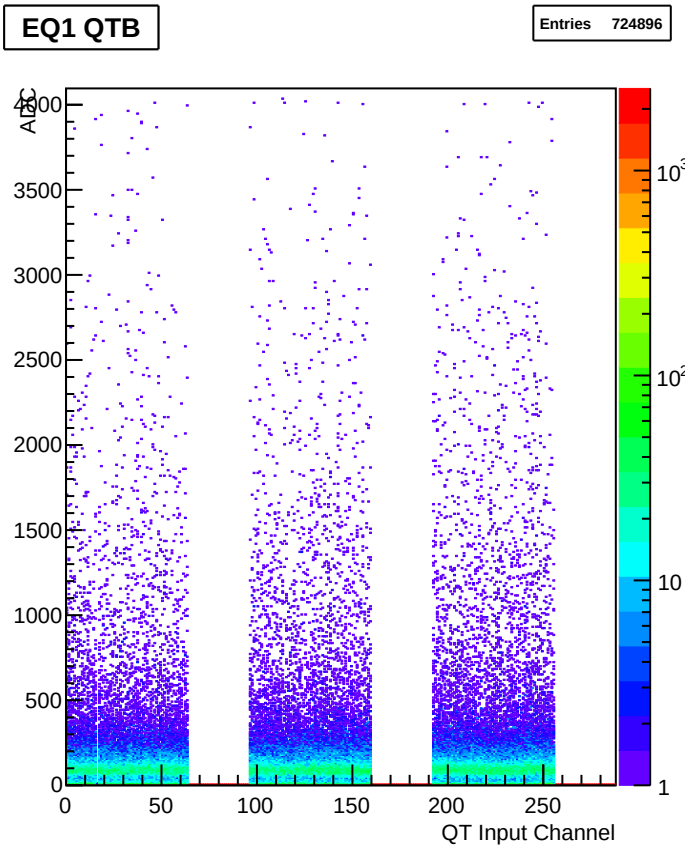

BBQ-ZD001 (ZDC TOWER)
Entries 40272
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

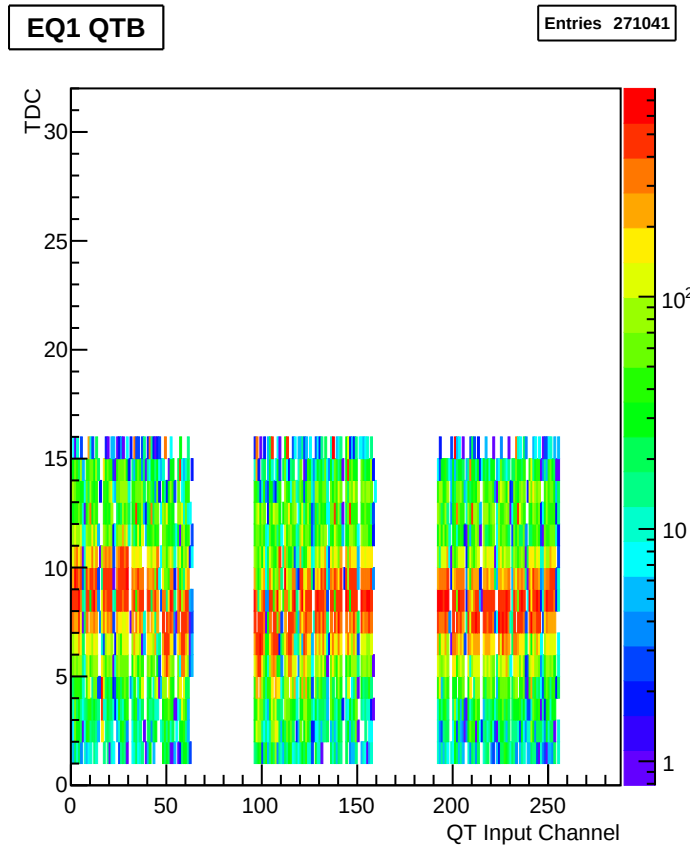

BBQ-VP001 East
Entries 40272
ADC
QT Input Channel

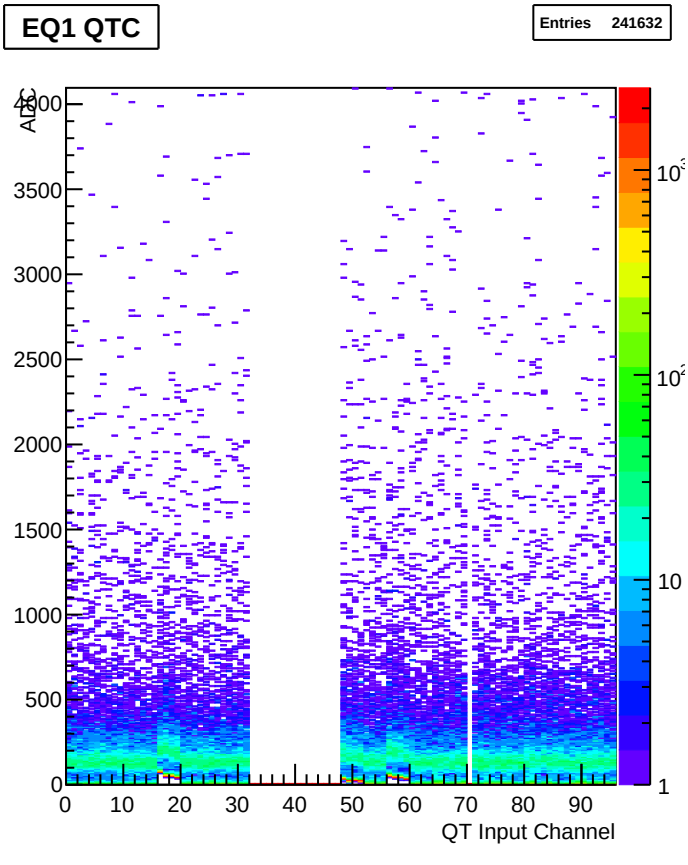

BBQ-VP001 East
Entries 40272
TADC
QT Input Channel

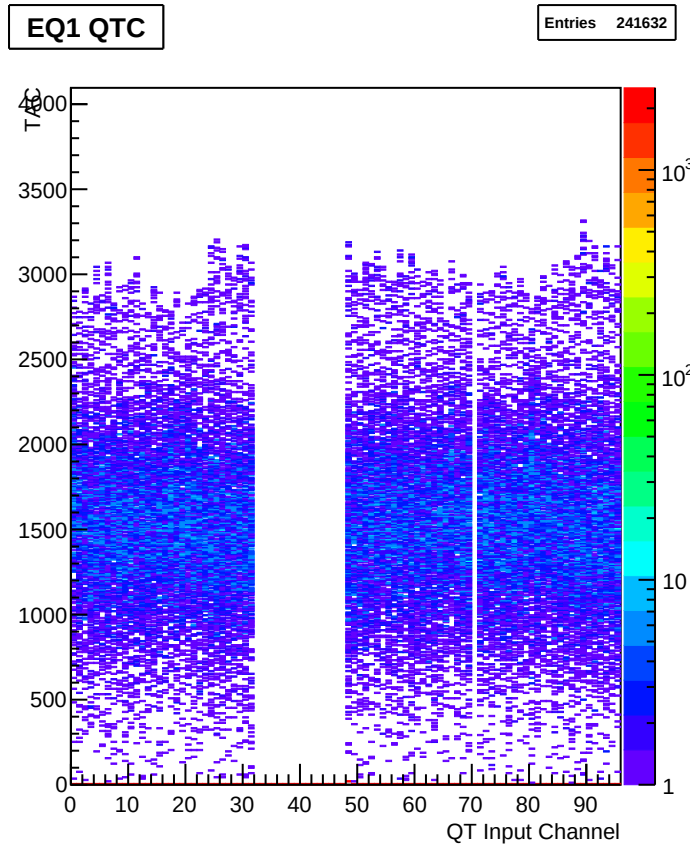

BBQ-VP002 West
Entries 40272
ADC
QT Input Channel

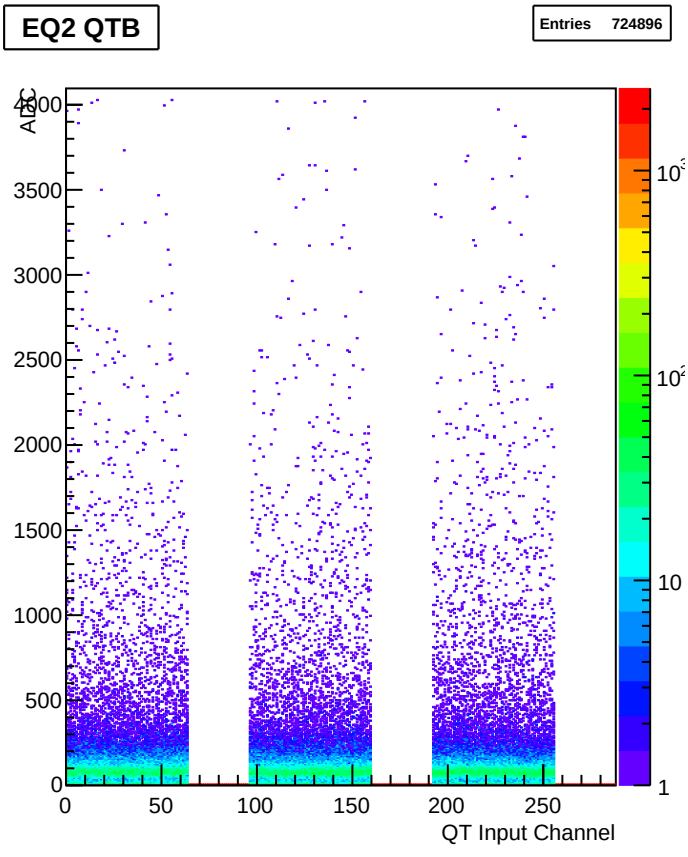

BBQ-VP002 West
Entries 40272
TADC
QT Input Channel

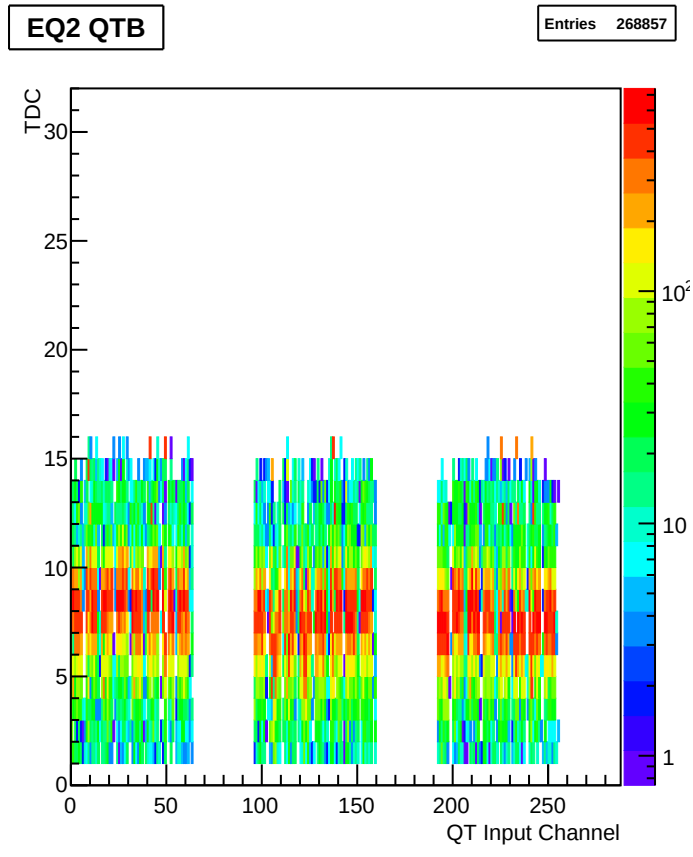

EQ1 QTB
Entries 724896
ADC
QT Input Channel

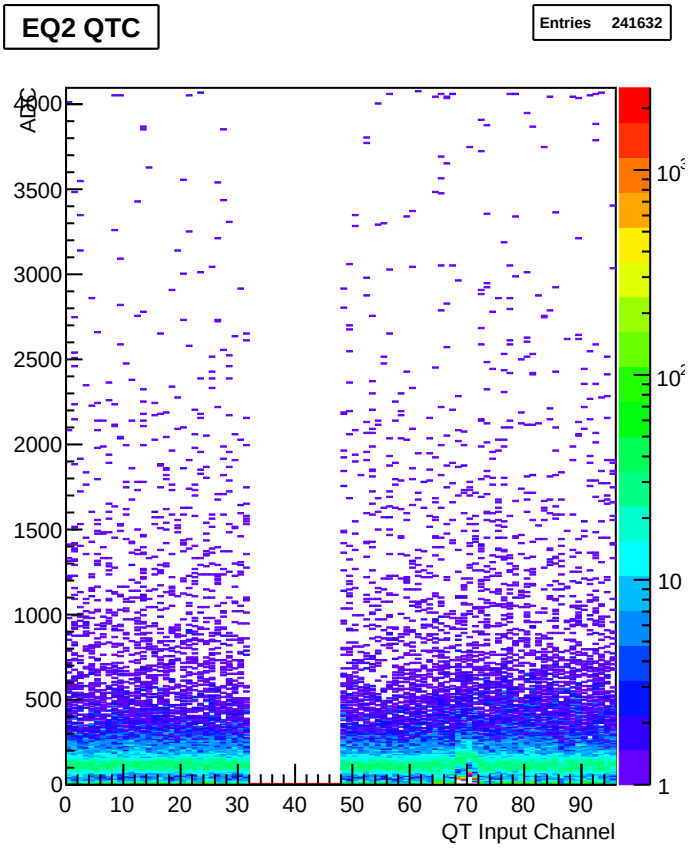

EQ1 QTB
Entries 271041
TDC
QT Input Channel

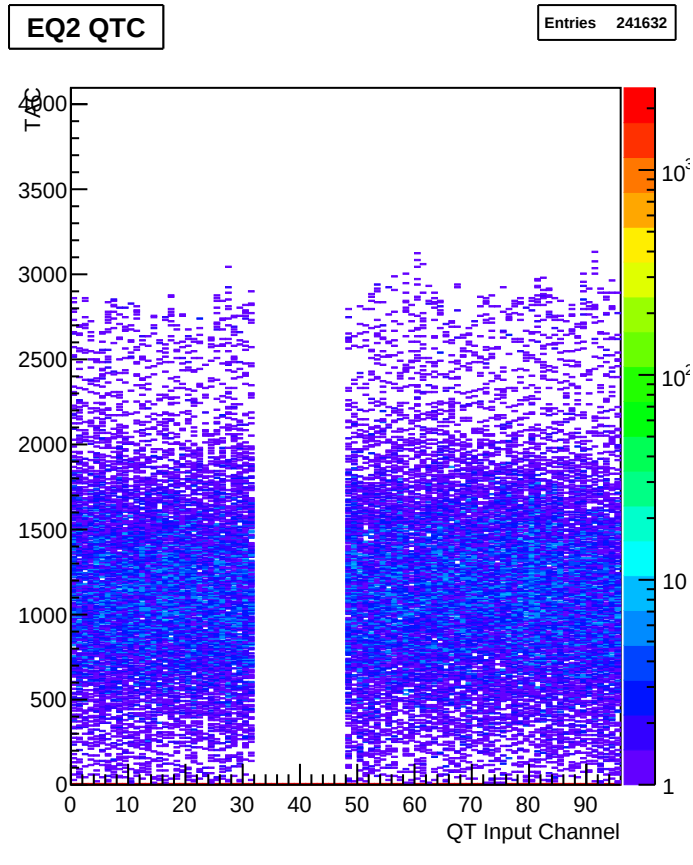

EQ1 QTC
Entries 241632
ADC
QT Input Channel

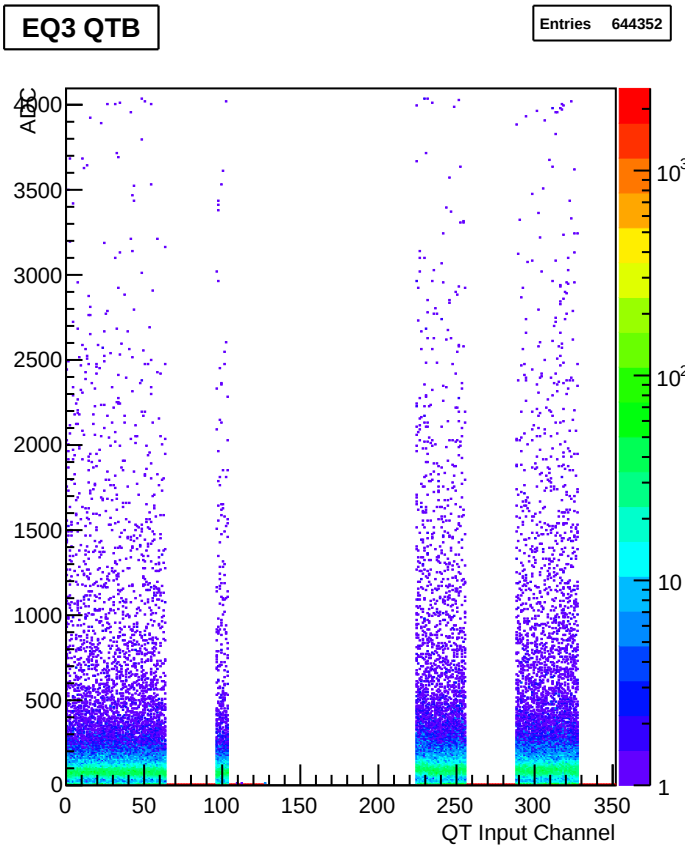

EQ1 QTC
Entries 241632
TADC
QT Input Channel

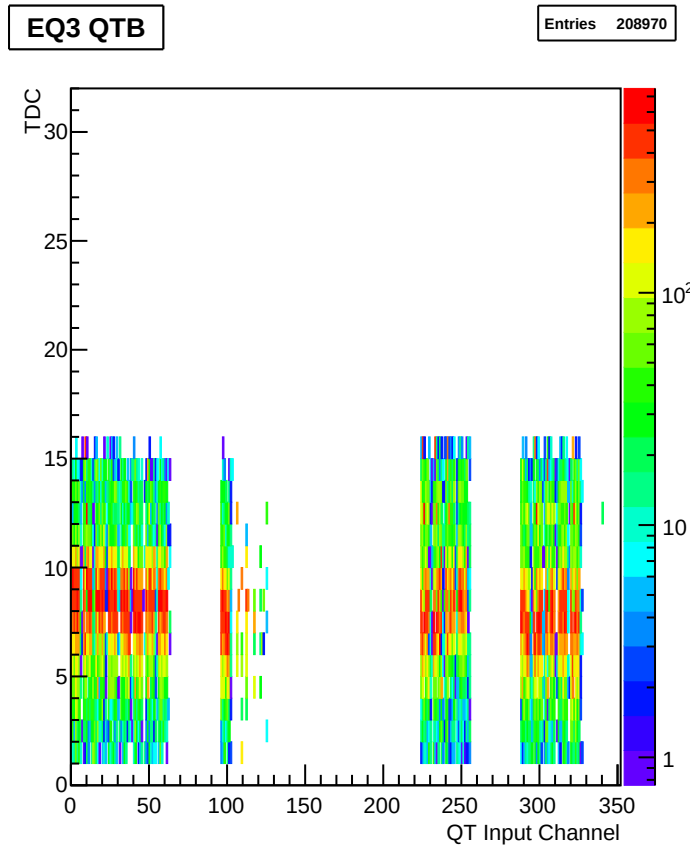

EQ2 QTB
Entries 724896
ADC
QT Input Channel

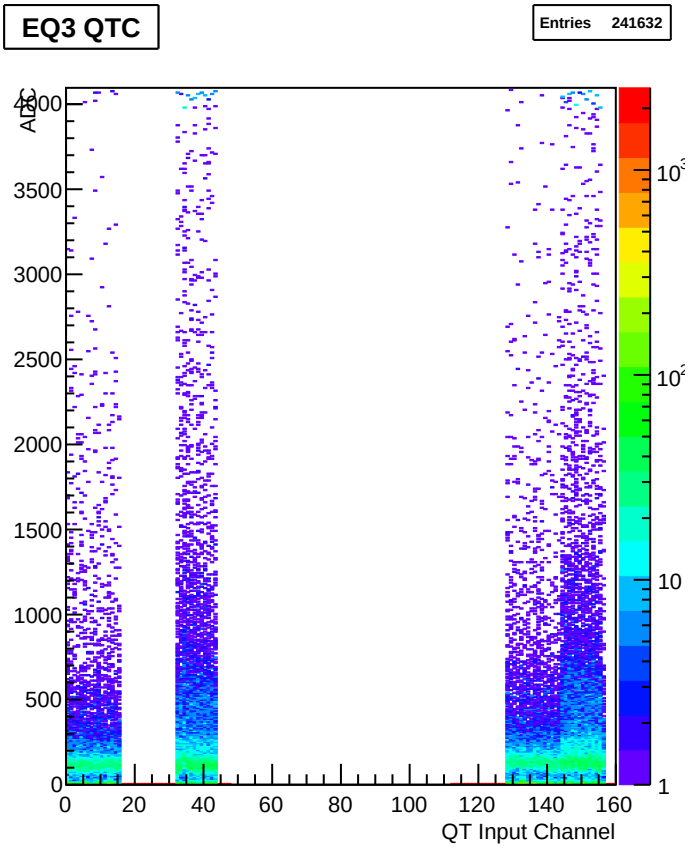

EQ2 QTB
Entries 268857
TDC
QT Input Channel

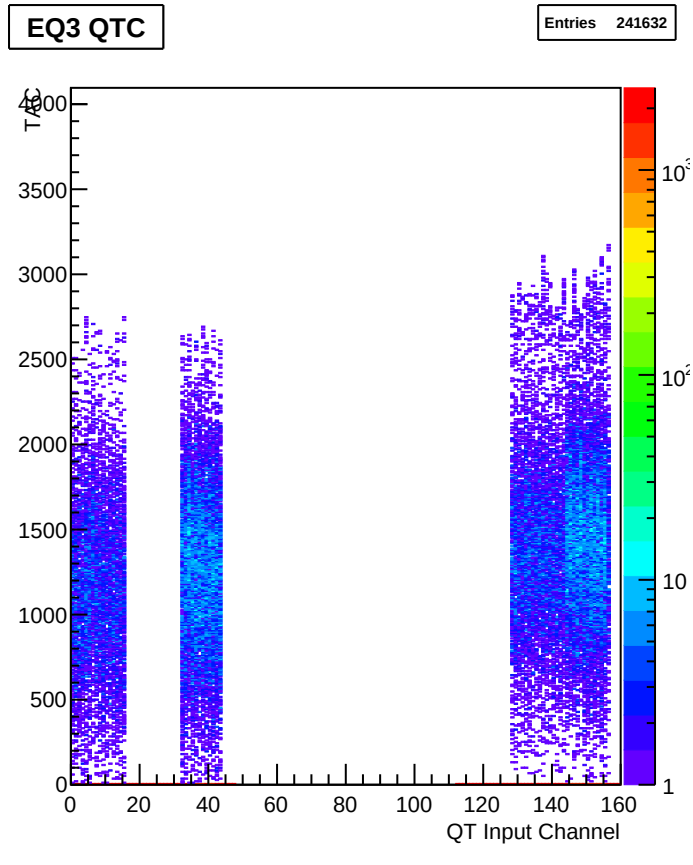

EQ2 QTC
Entries 241632
ADC
QT Input Channel

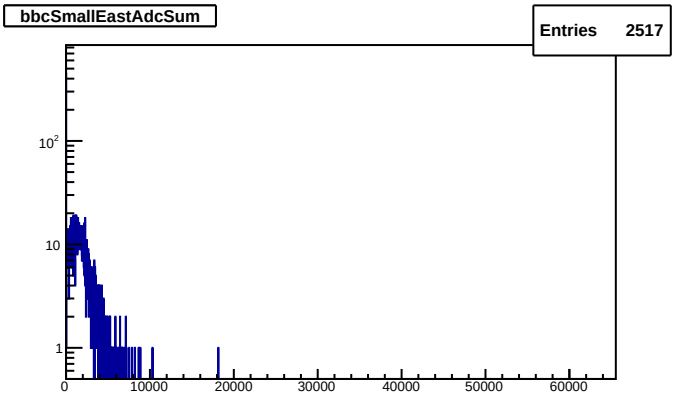

EQ2 QTC
Entries 241632
TADC
QT Input Channel

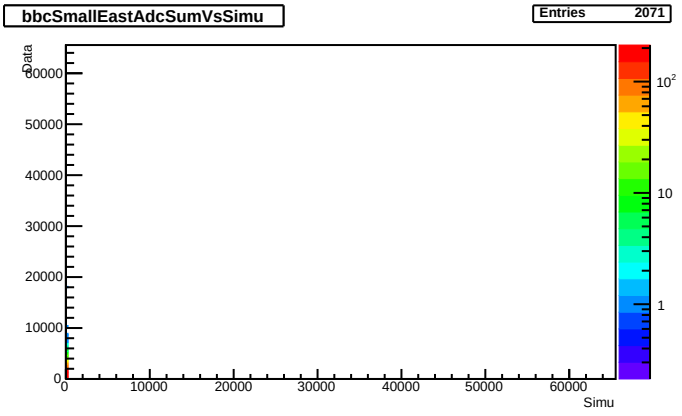

EQ3 QTB
Entries 644352
ADC
QT Input Channel

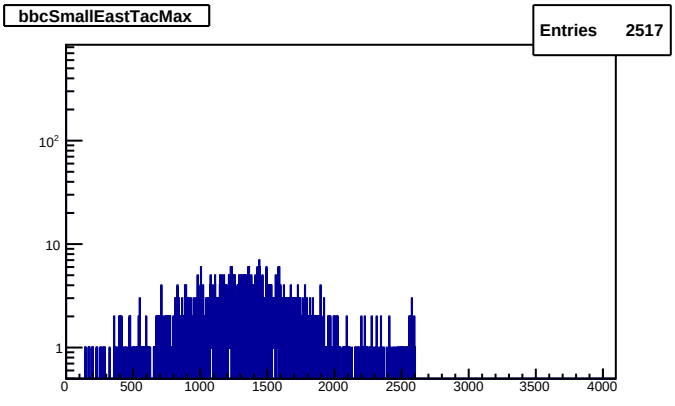

EQ3 QTB
Entries 208970
TDC
QT Input Channel

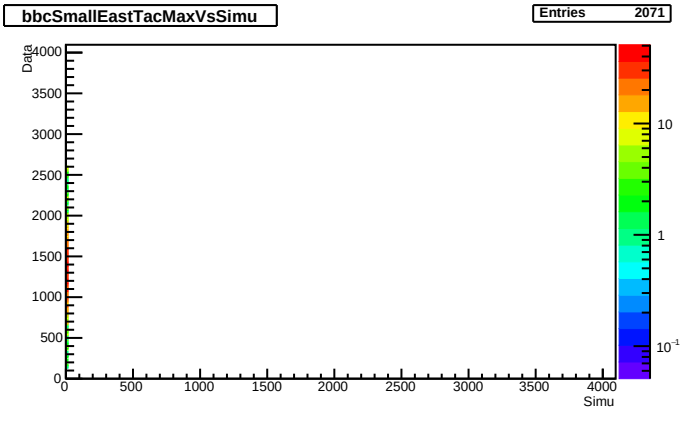

EQ3 QTC
Entries 241632
ADC
QT Input Channel


EQ3 QTC
Entries 241632
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 2517


bbcSmallEastAdcSumVsSimu
Entries 2071
Data
Simu


bbcSmallEastTacMax
Entries 2517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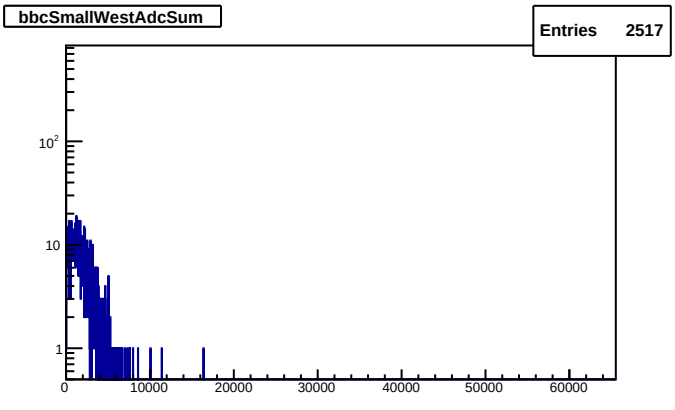
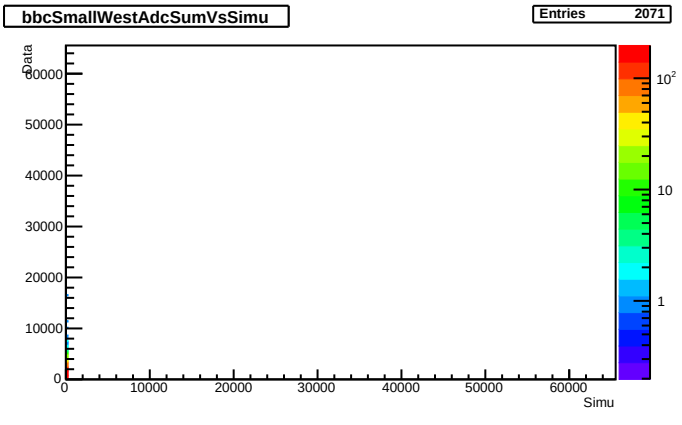
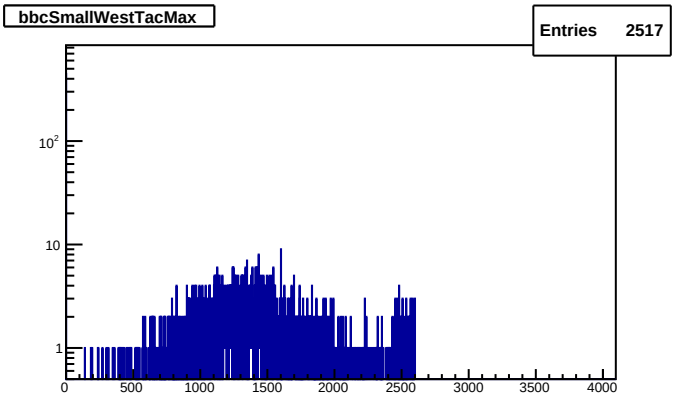
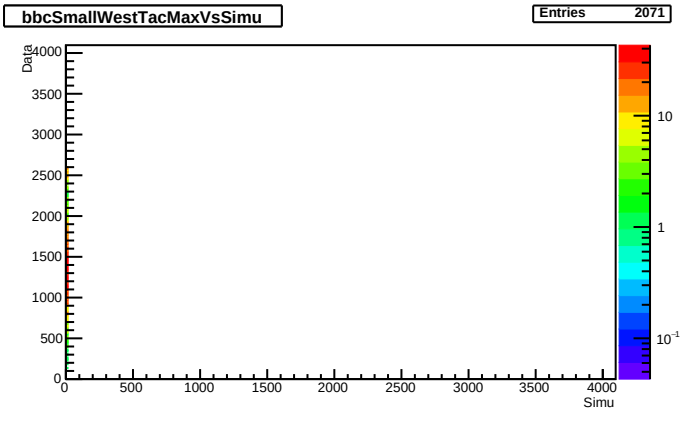
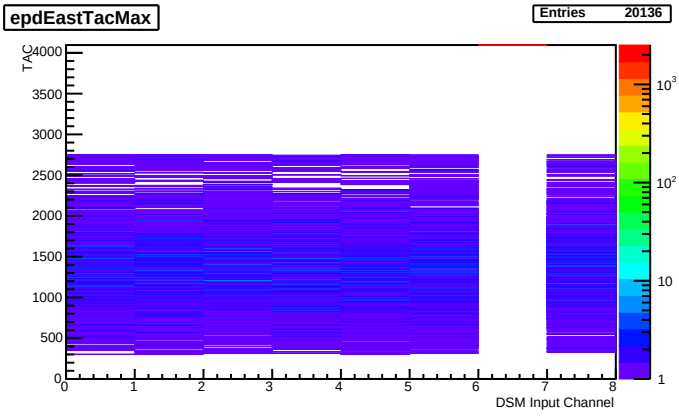
Entries 2071
Data
Simu

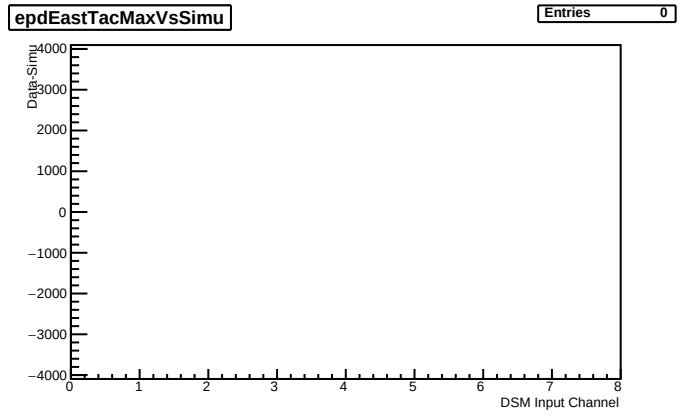

bbcSmallWestAdcSum
Entries 2517

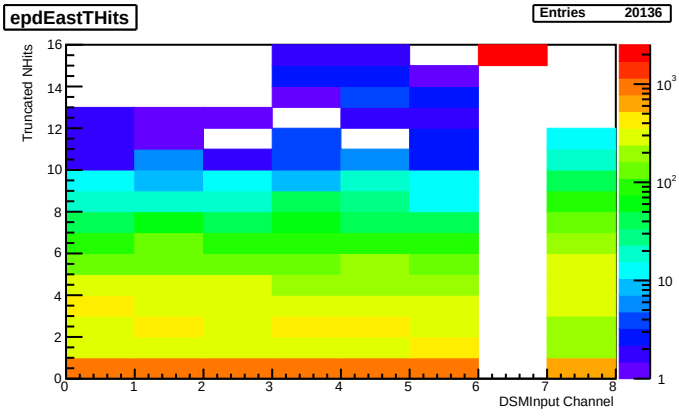

bbcSmallWestAdcSumVsSimu
Entries 2071
Data
Simu

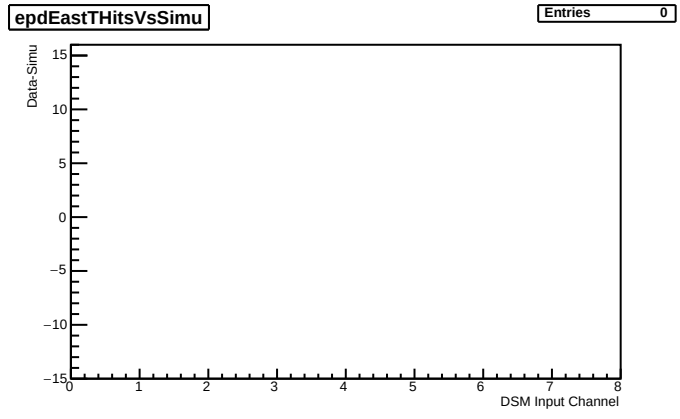

bbcSmallWestTacMax
Entries 2517


bbcSmallWestTacMaxVsSimu
Entries 2071
Data
Simu


epdEastTacMax
Entries 20136
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 20136
Truncated NHits
DSMInput Channel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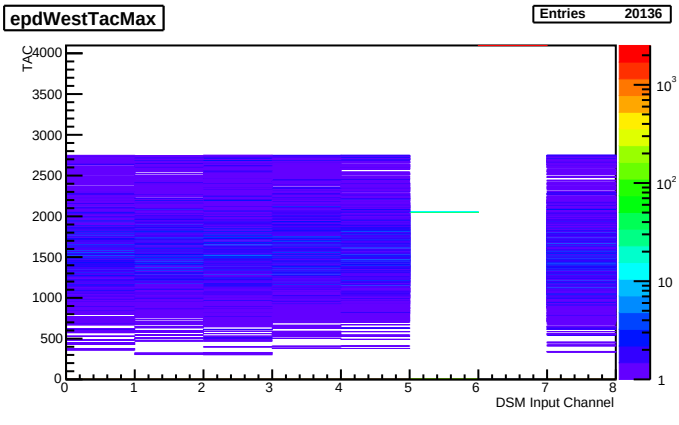
Entries 0
Data-Simu
DSM Input Channel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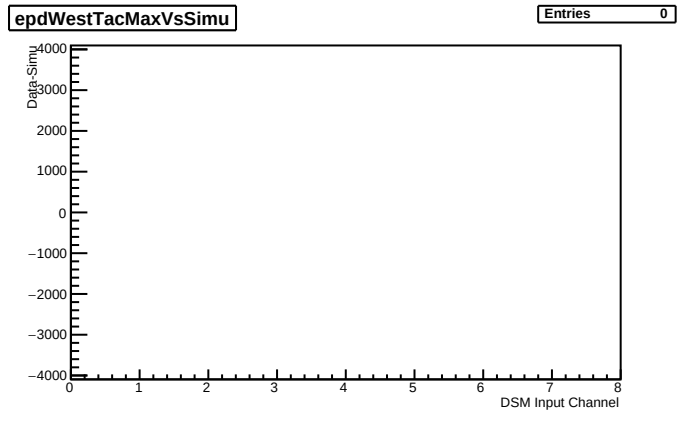
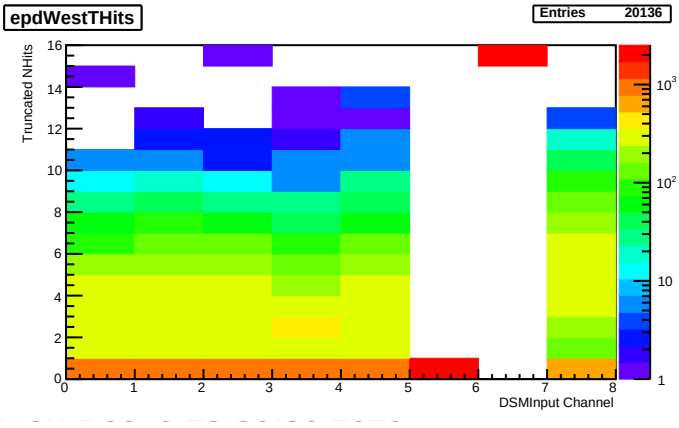
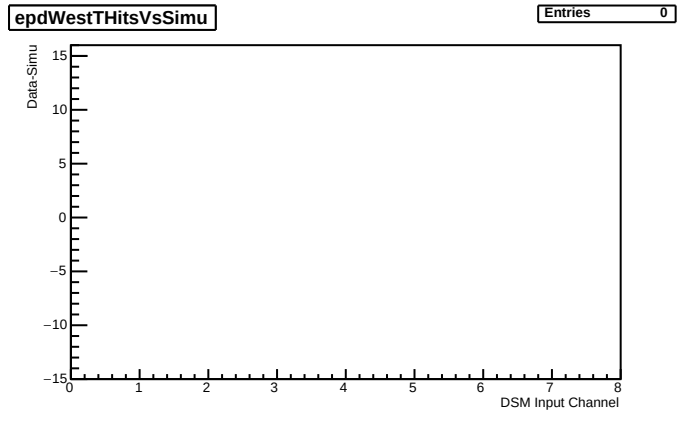
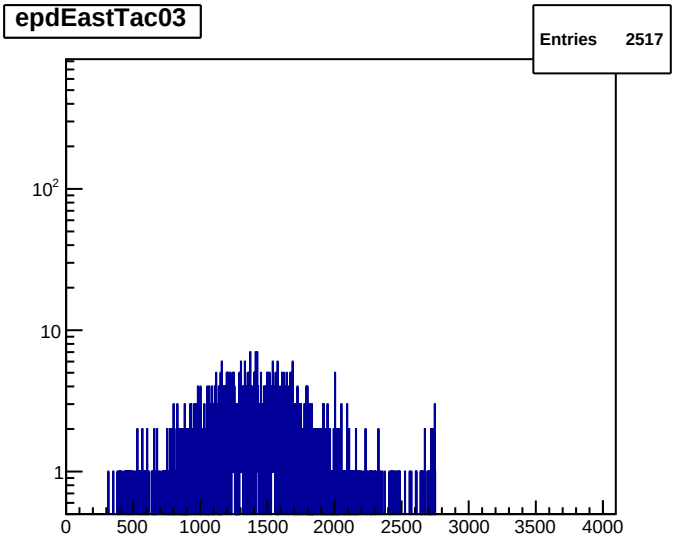
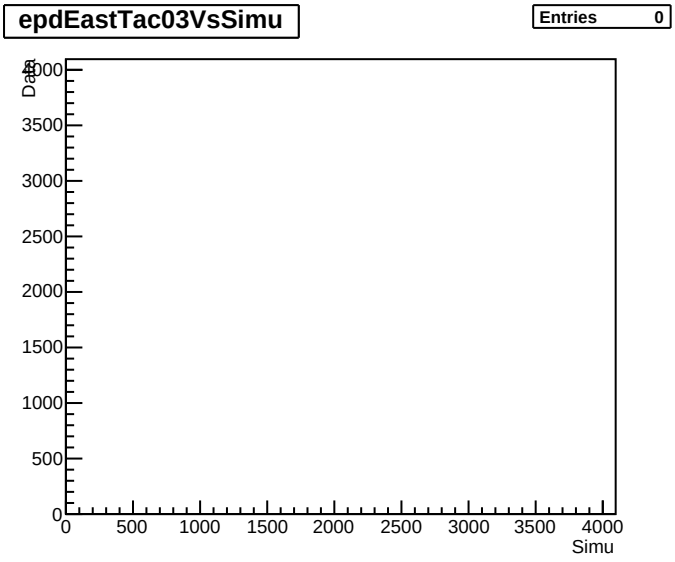
Entries 20136
TAC
DSM Input Channel

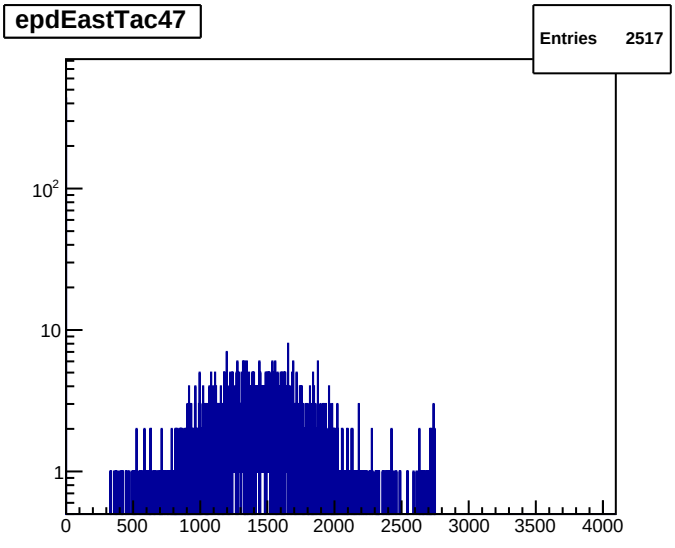

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

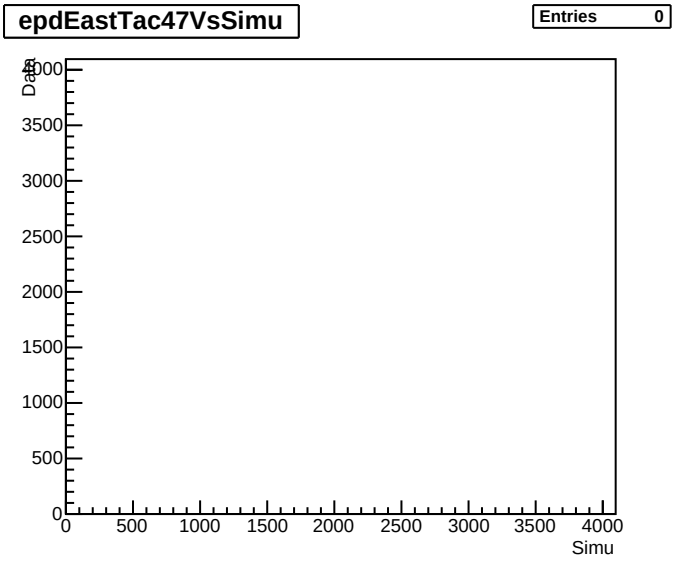

epdWestTHits
Entries 20136
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 2517
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000


epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastTac47
Entries 2517
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000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Entries 0
Data
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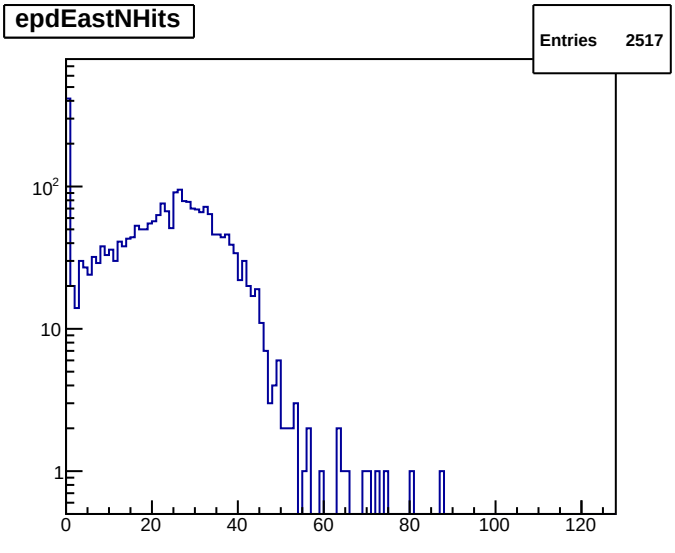
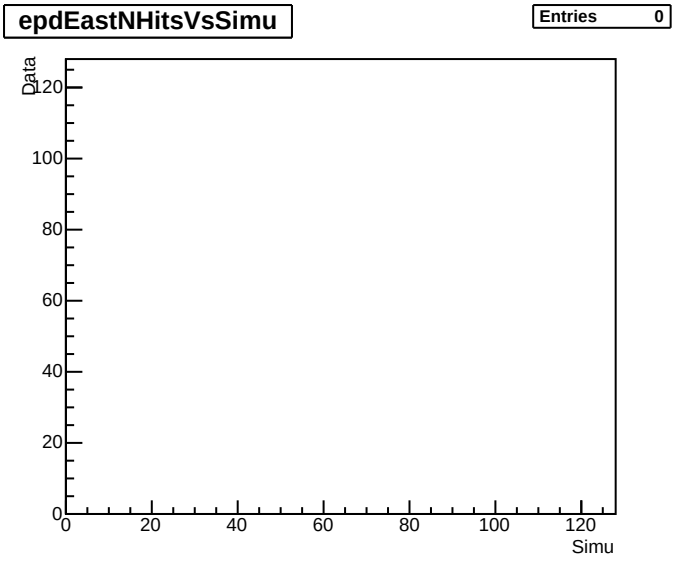
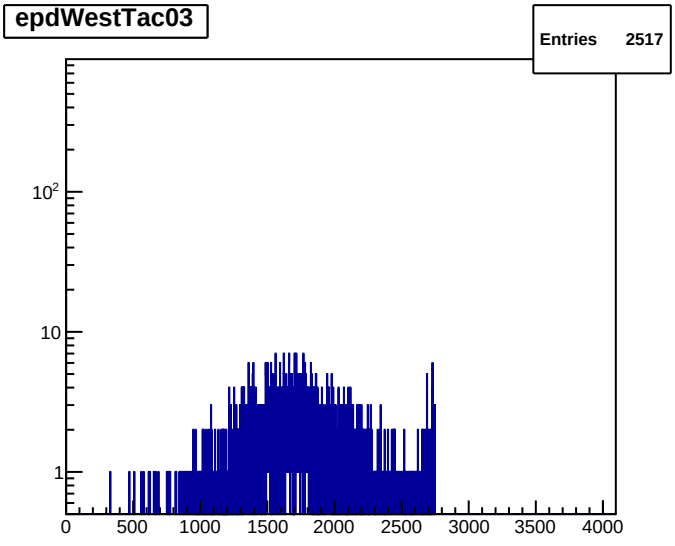
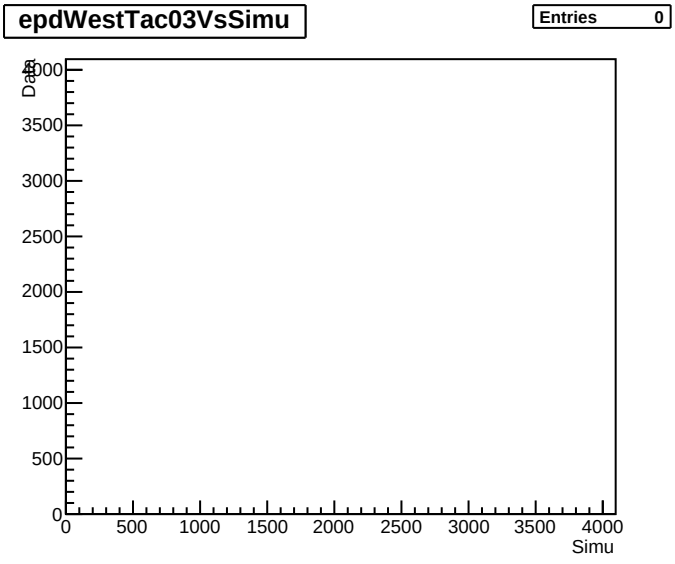
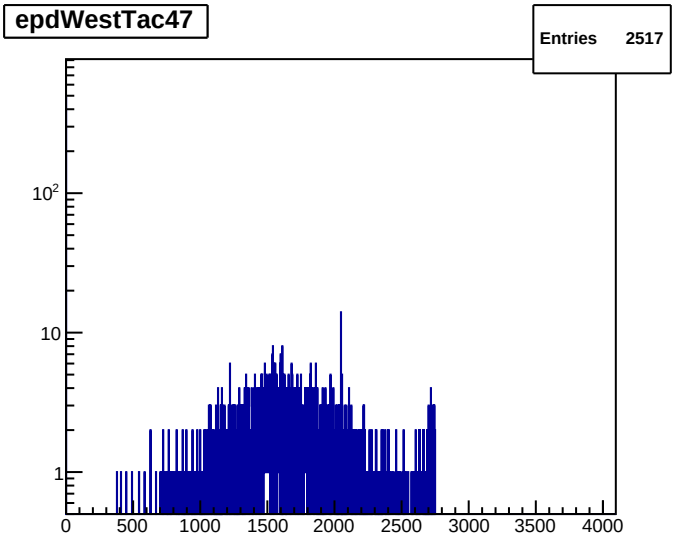
Simu

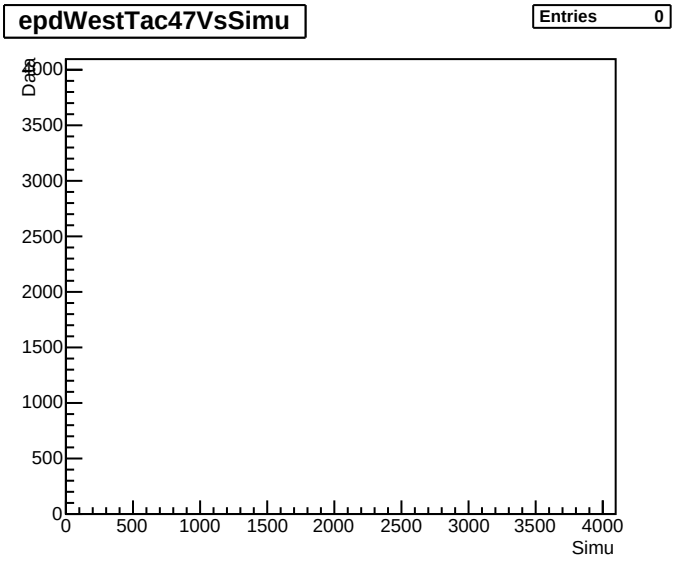

epdEastNHits
Entries 2517
10^2
10
1
0 20 40 60 80 100 120

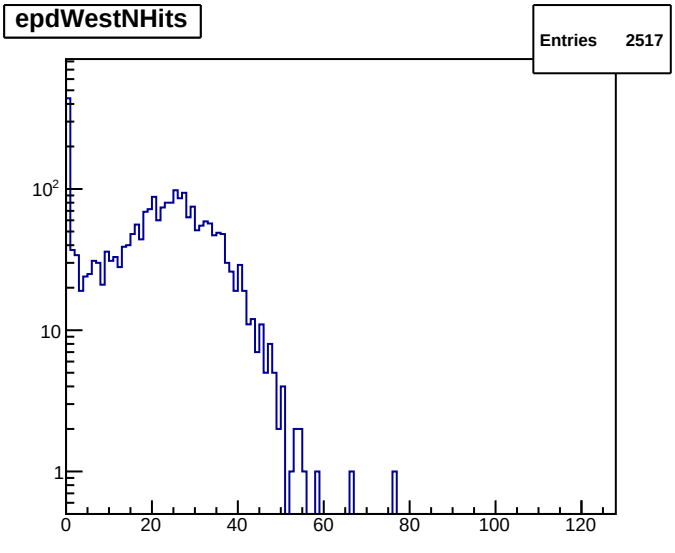

epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

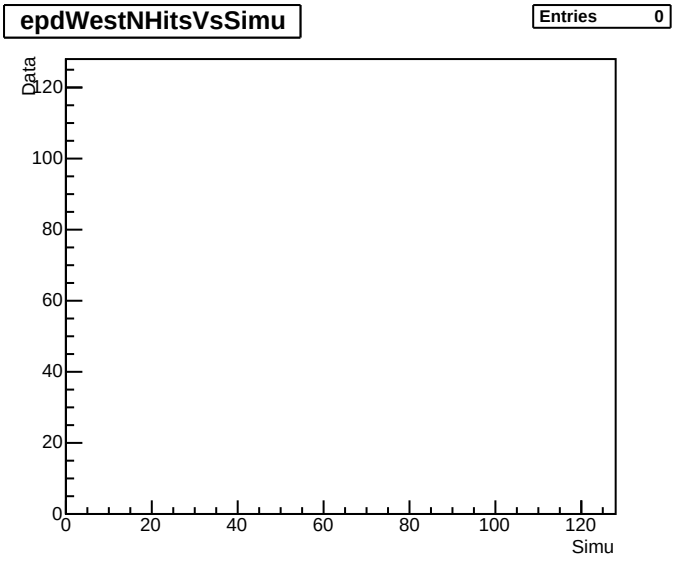

epdWestTac03
Entries 2517
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000


epdWestTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdWestTac47
Entries 2517
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000


epdWestTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdWestNHits
Entries 2517
10^2
10
1
0 20 40 60 80 100 120


epdWestNHitsVsSimu
Entries 0
Data
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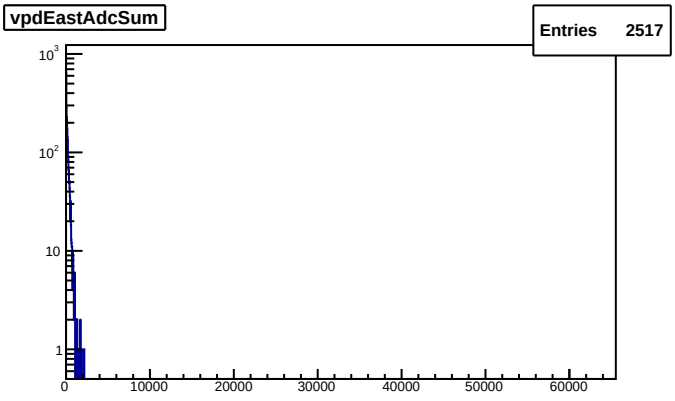
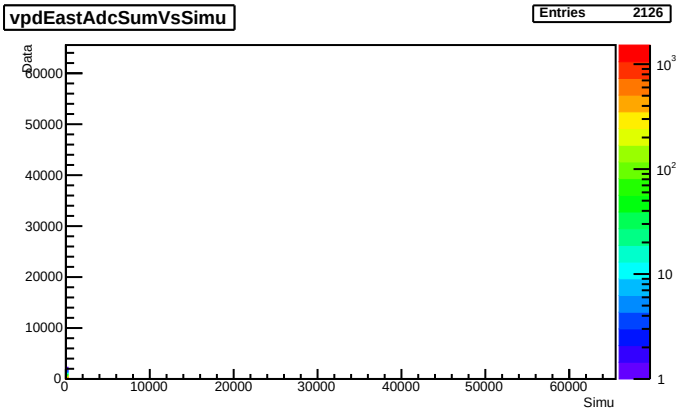
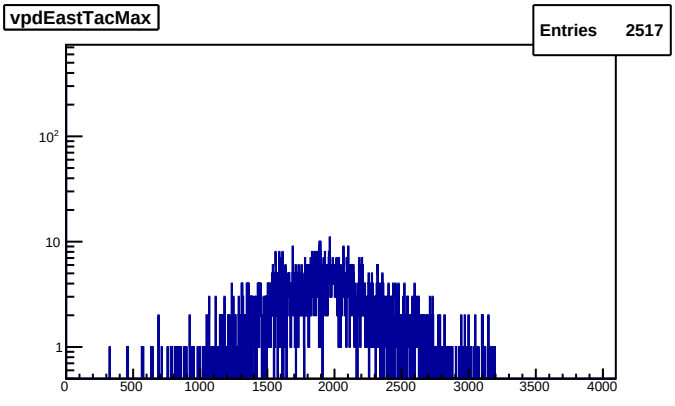
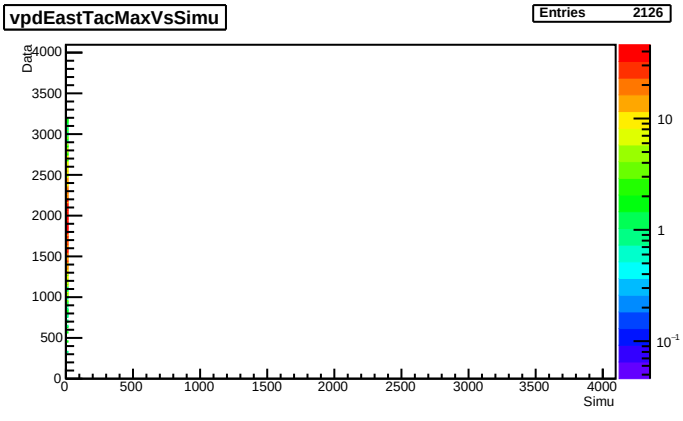
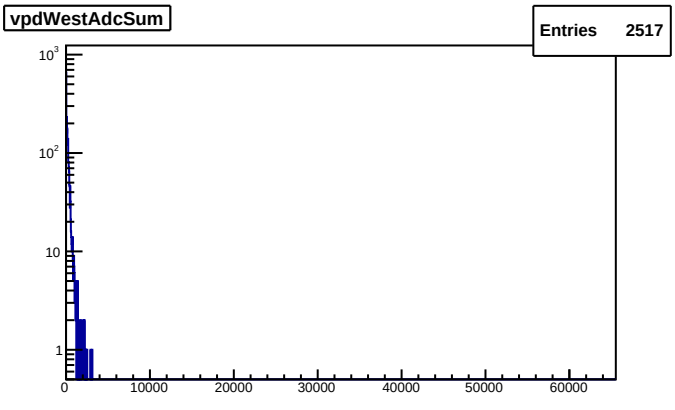
0 20 40 60 80 100 120
Simu

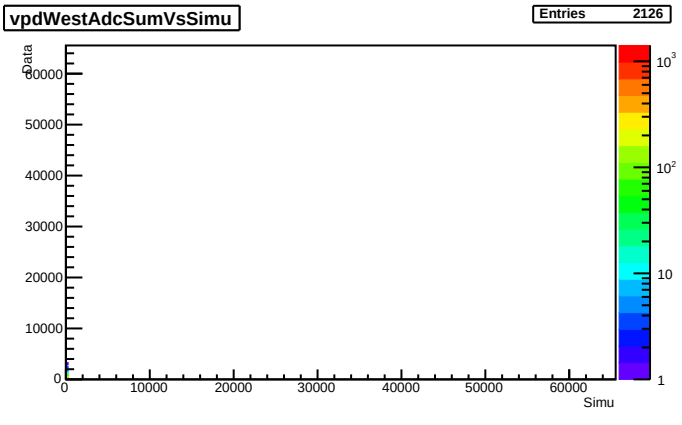

vpdEastAdcSum
Entries 2517


vpdEastAdcSumVsSimu
Entries 2126
Data
Simu


vpdEastTacMax
Entries 2517


vpdEastTacMaxVsSimu
Entries 2126
Data
Simu


vpdWestAdcSum
Entries 2517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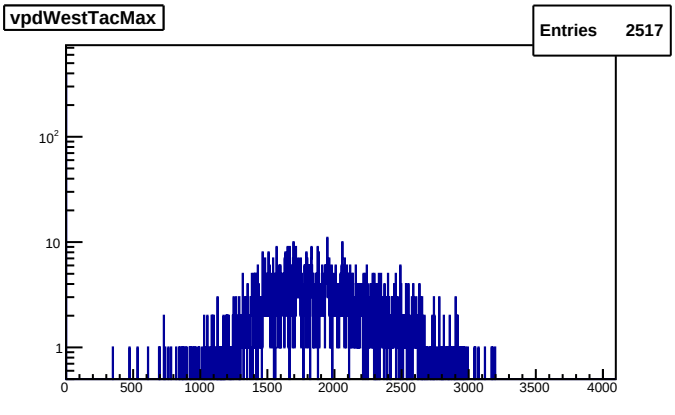
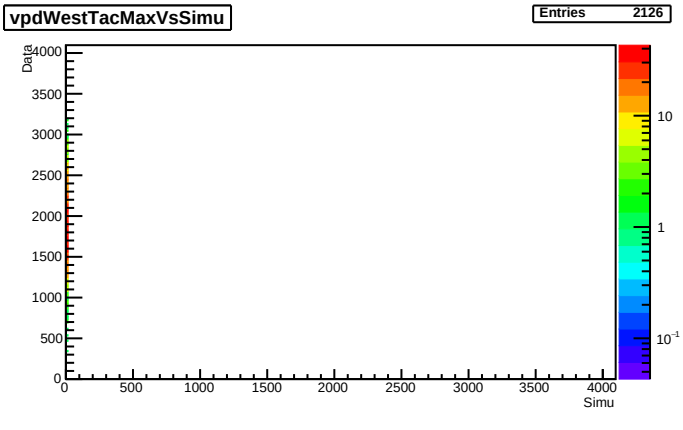
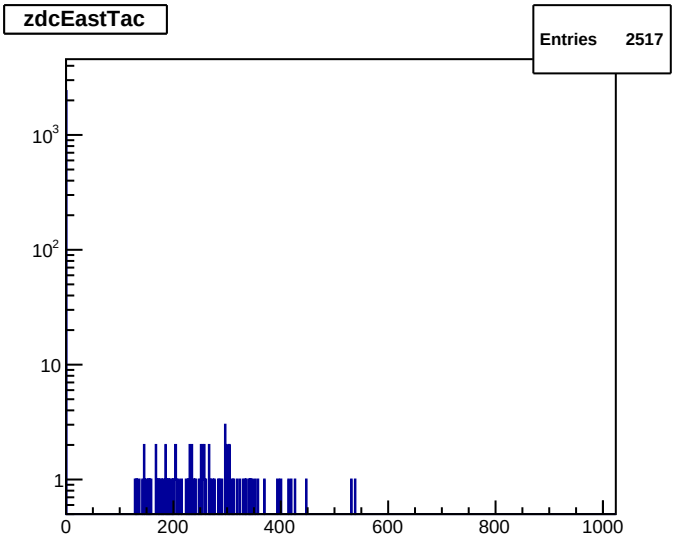
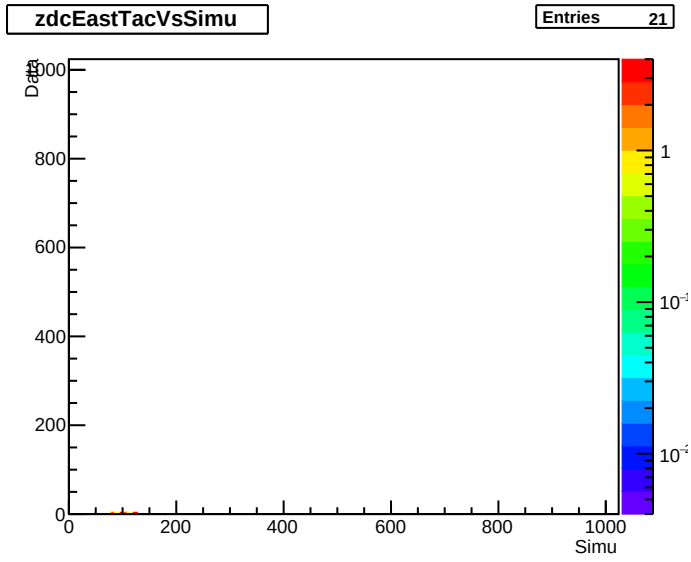
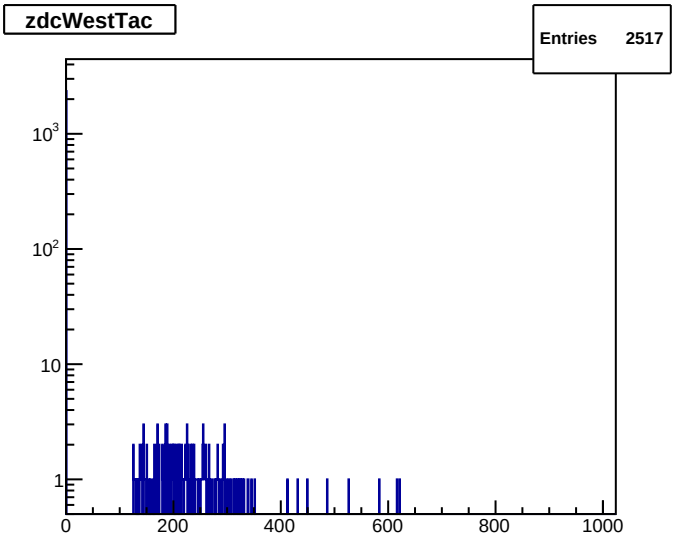
Entries 2126
Data
Simu

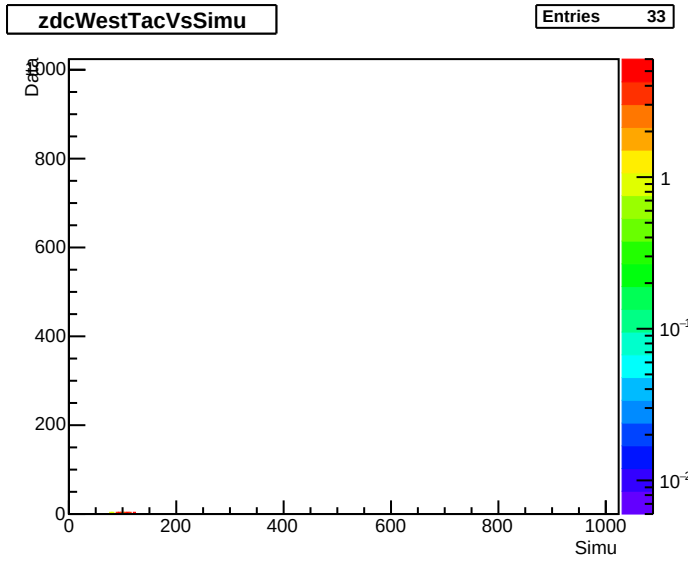

vpdWestTacMax
Entries 2517

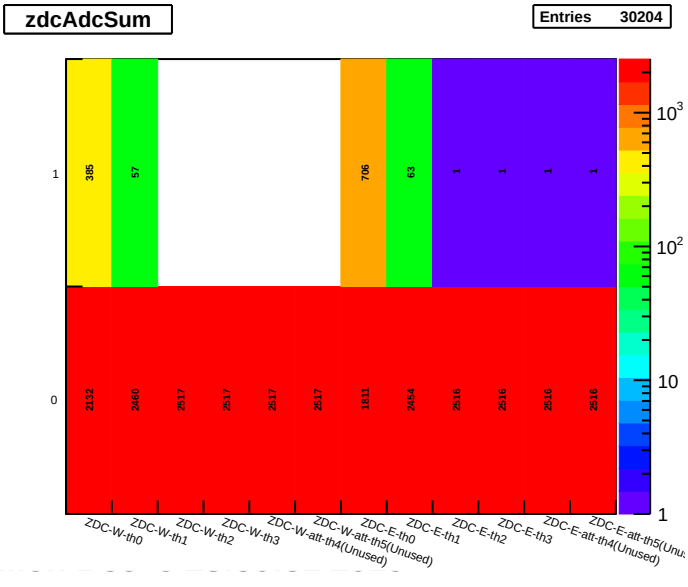

vpdWestTacMaxVsSimu
Entries 2126
Data
Simu

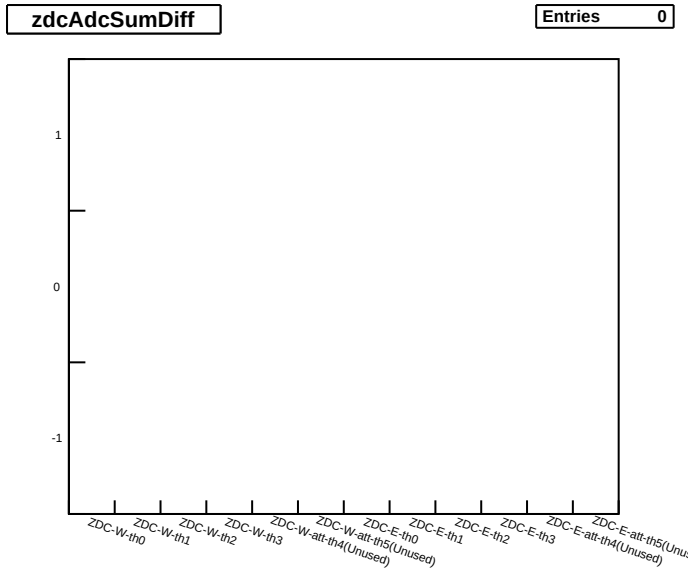

zdcEastTac
Entries 2517

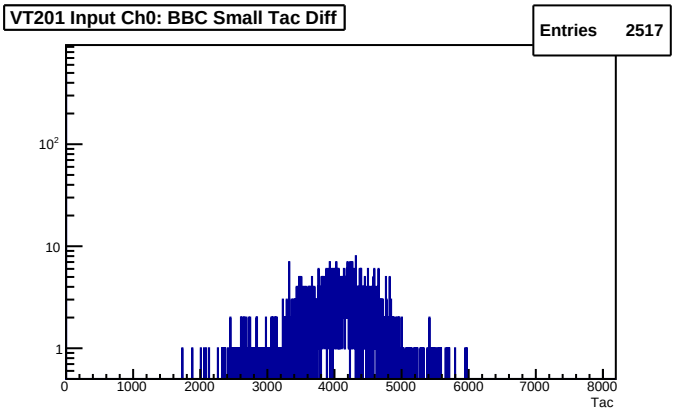

zdcEastTacVsSimu
Entries 21
Data
Simu

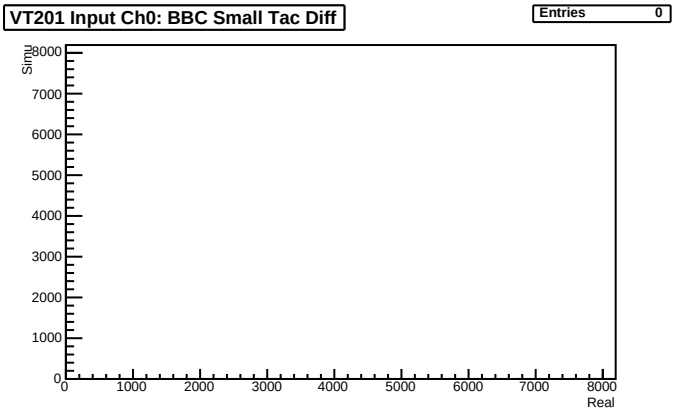

zdcWestTac
Entries 2517

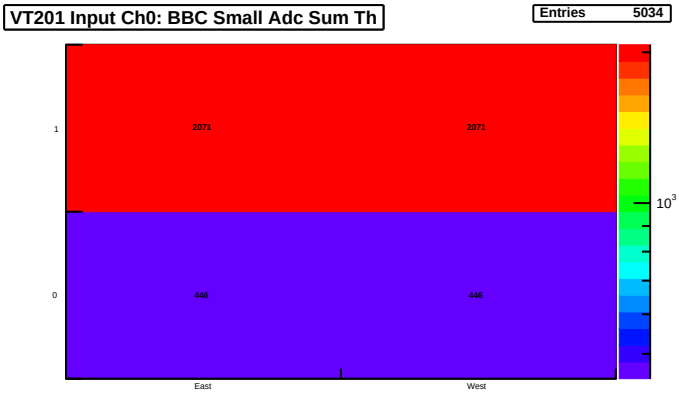

zdcWestTacVsSimu
Entries 33
Data
Simu

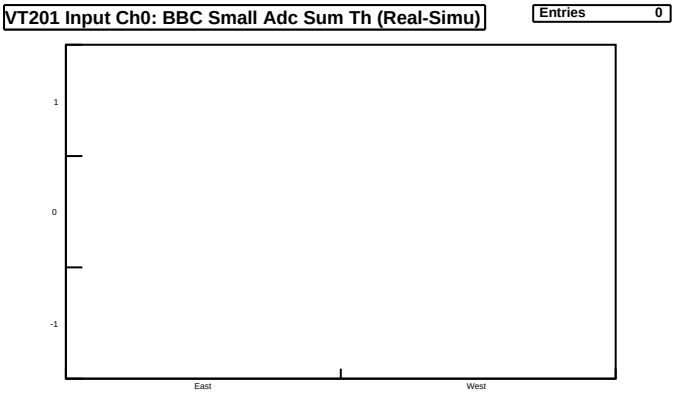

zdcAdcSum
Entries 30204
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

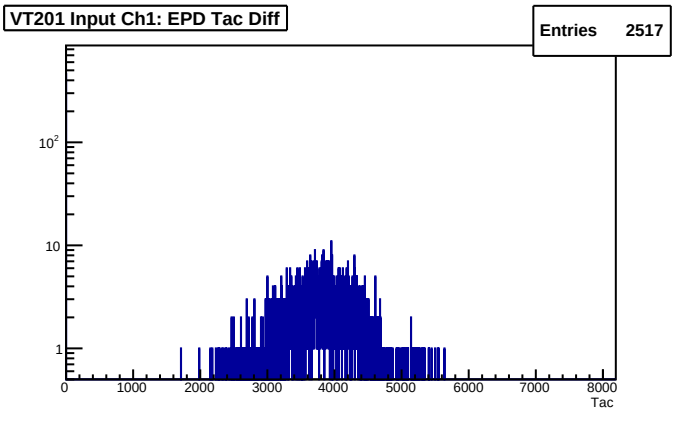

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

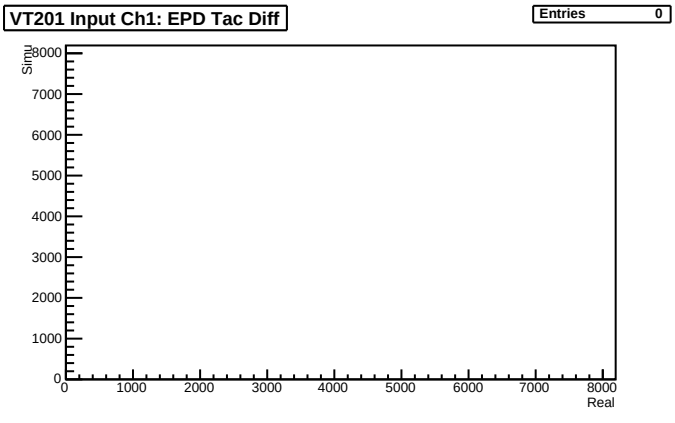

VT201 Input Ch0: BBC Small Tac Diff
Entries 2517
Tac

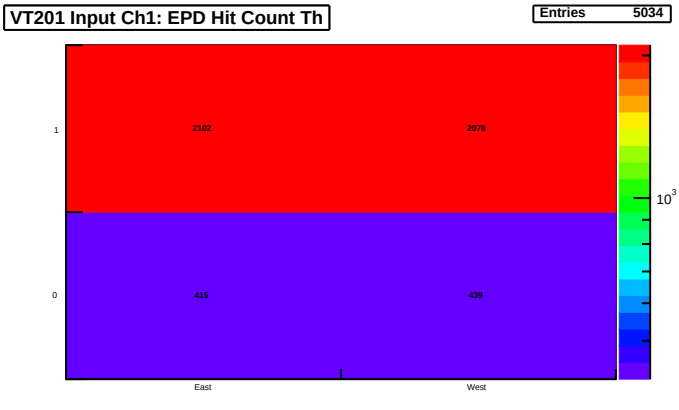

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

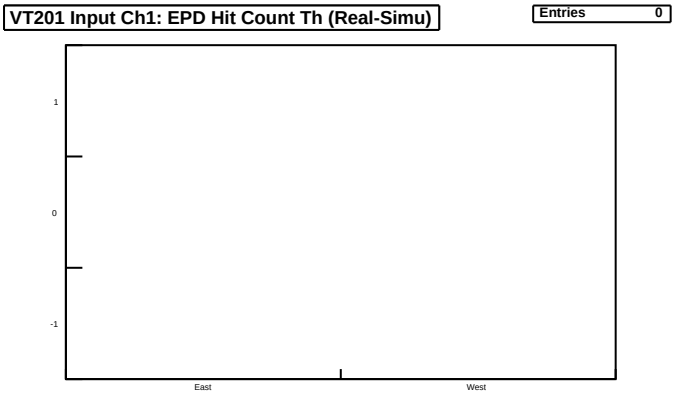

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 5034
2071
2071
446
446
East
West

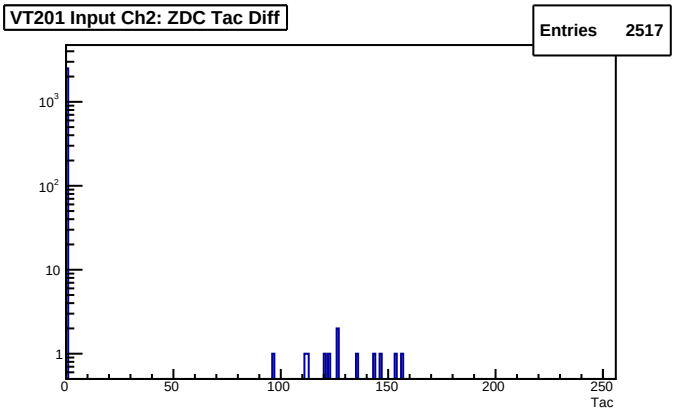

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

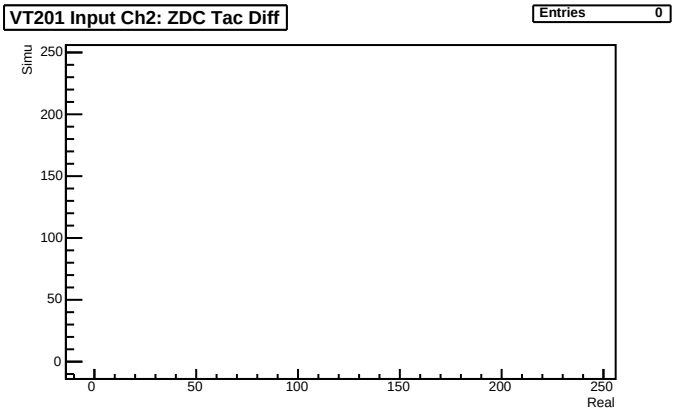

VT201 Input Ch1: EPD Tac Diff
Entries 2517
Tac

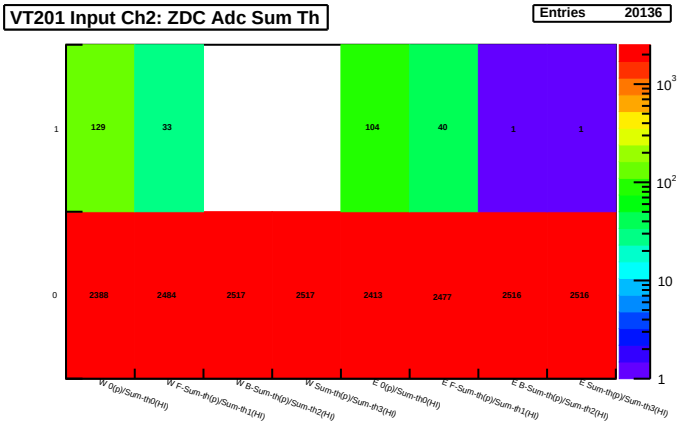

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

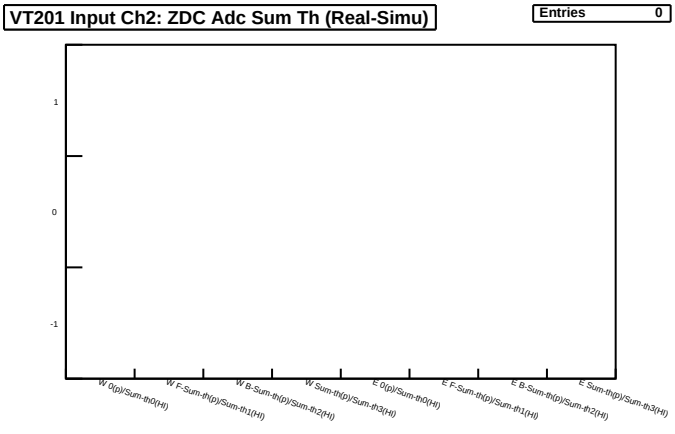

VT201 Input Ch1: EPD Hit Count Th
Entries 5034
2102
2078
415
439
East
West

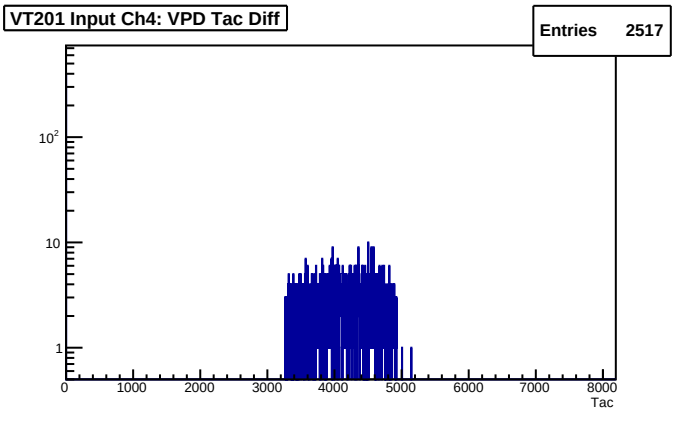

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

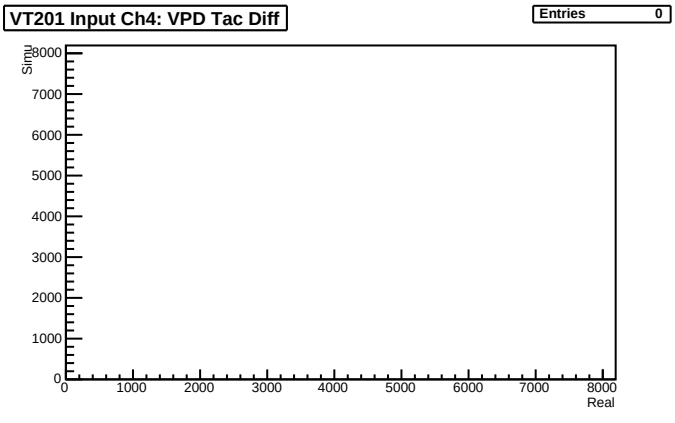

VT201 Input Ch2: ZDC Tac Diff
Entries 2517
Tac

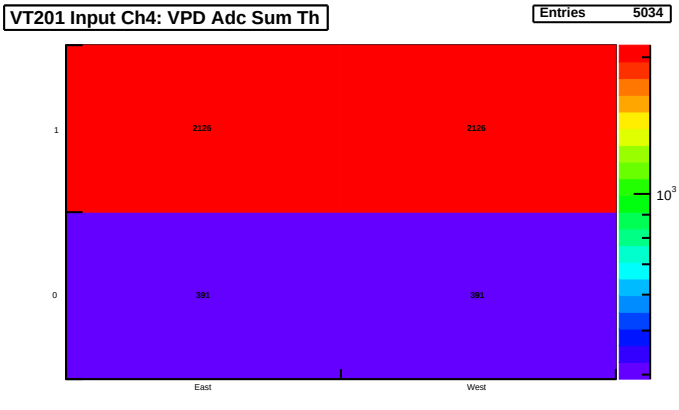

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

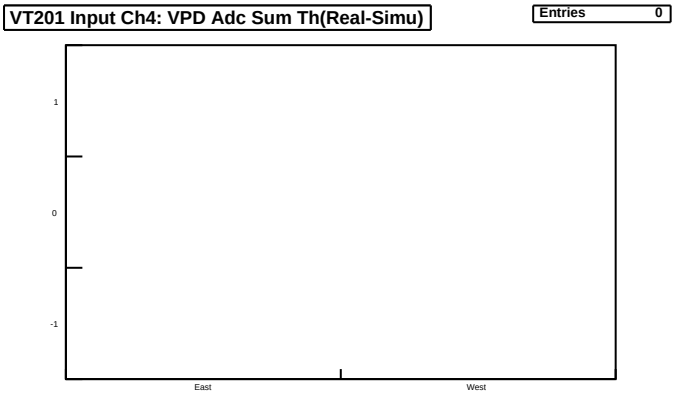

VT201 Input Ch2: ZDC Adc Sum Th
Entries 20136
129
33
104
40
1
1
2388
2484
2517
2517
2413
2477
2516
2516
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

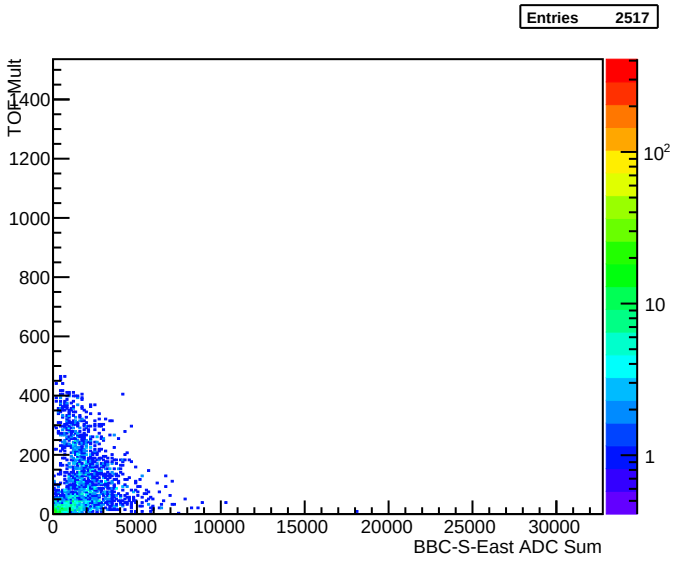

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

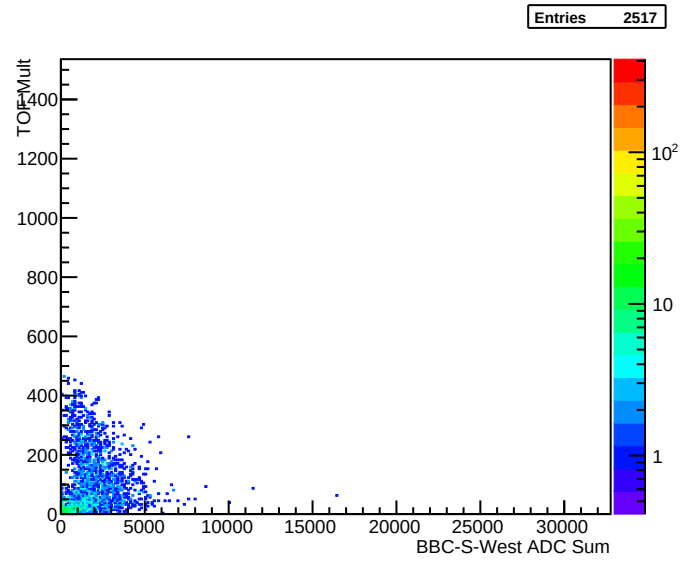

VT201 Input Ch4: VPD Tac Diff
Entries 2517
Tac

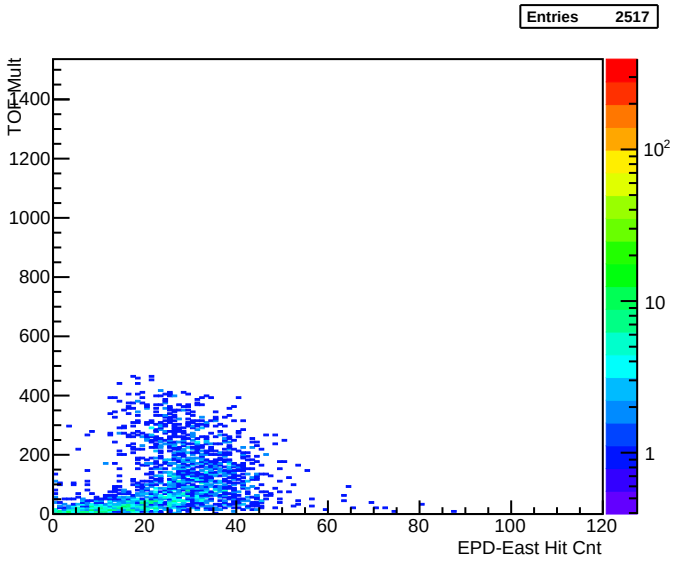

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

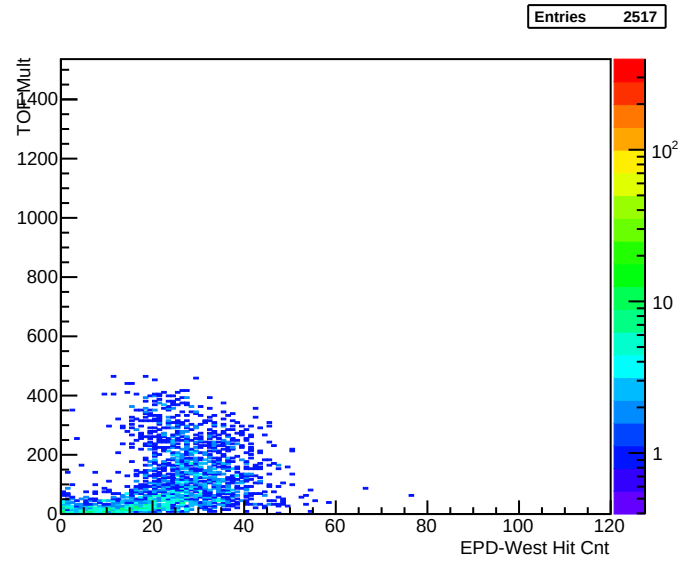

VT201 Input Ch4: VPD Adc Sum Th
Entries 5034
2126
2126
391
391
East
West

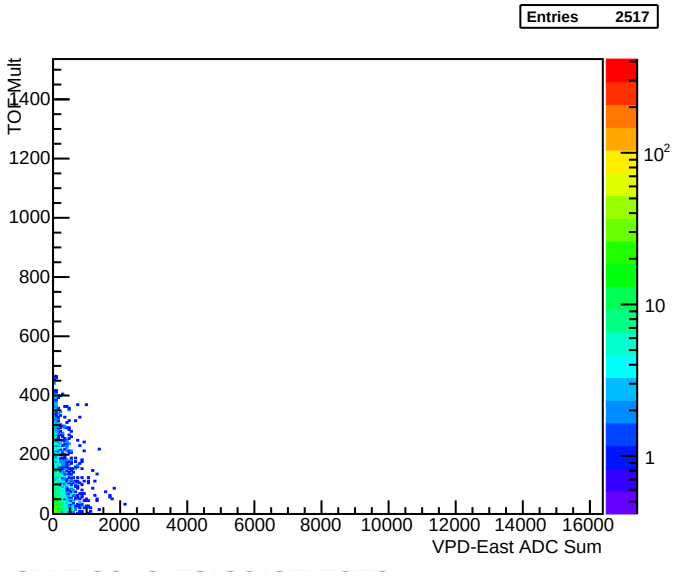

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

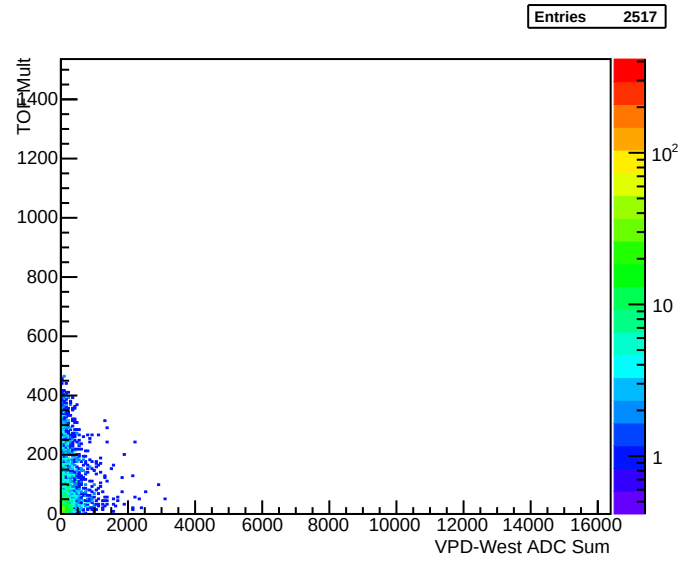

Entries 2517
TOF-Mult
BBC-S-East ADC Sum

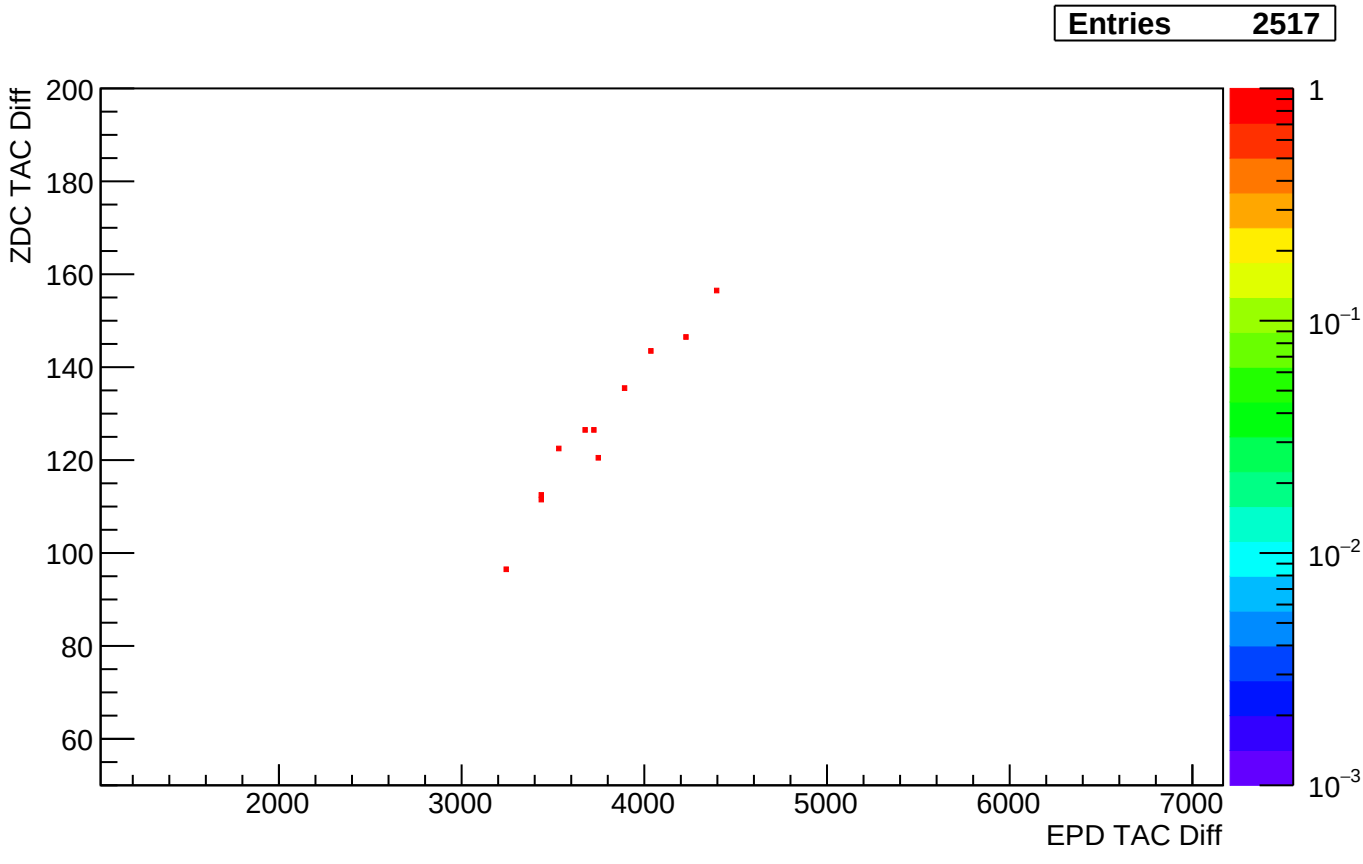

Entries 2517
TOF-Mult
BBC-S-West ADC Sum

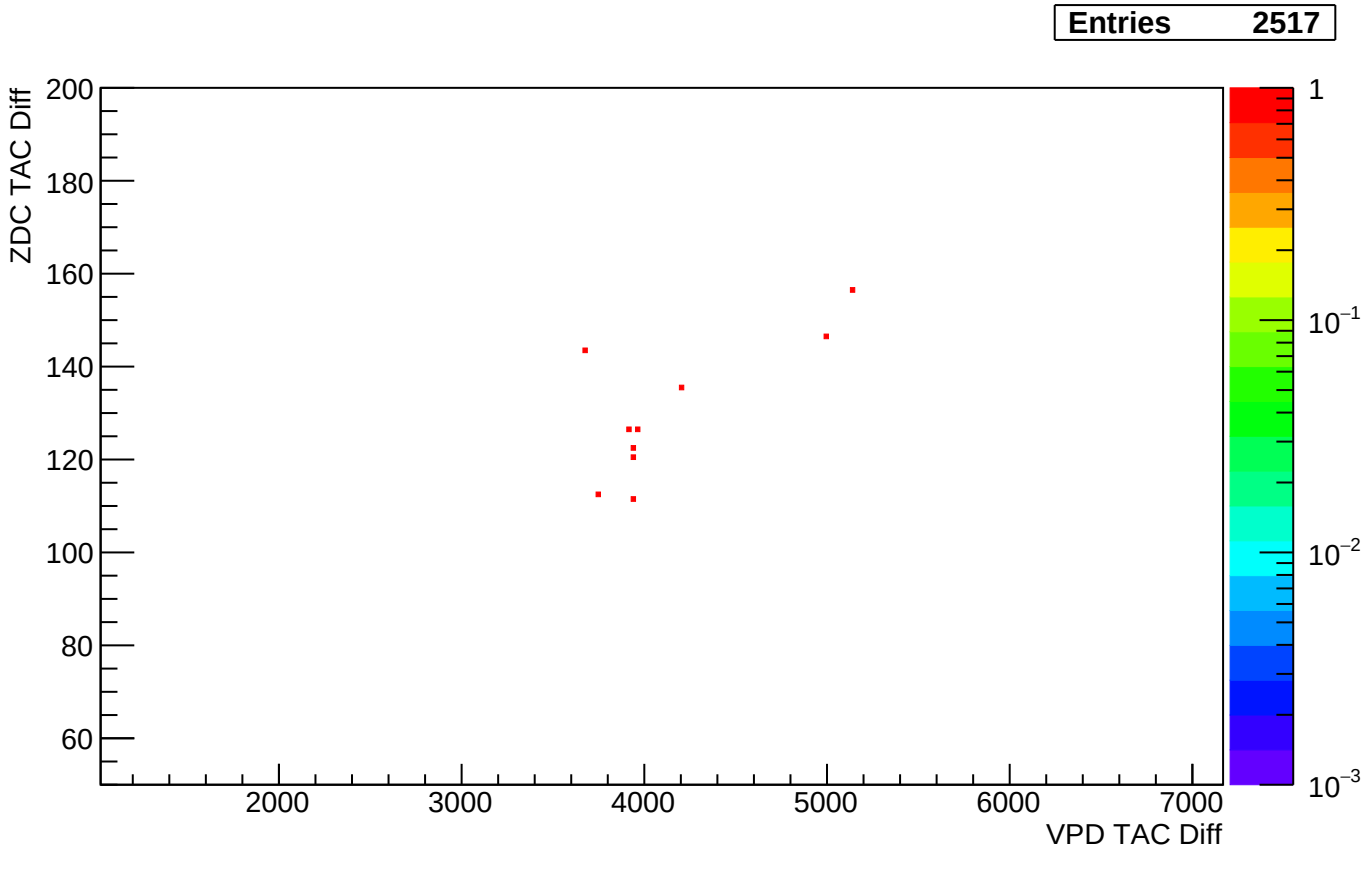

Entries 2517
TOF-Mult
EPD-East Hit Cnt

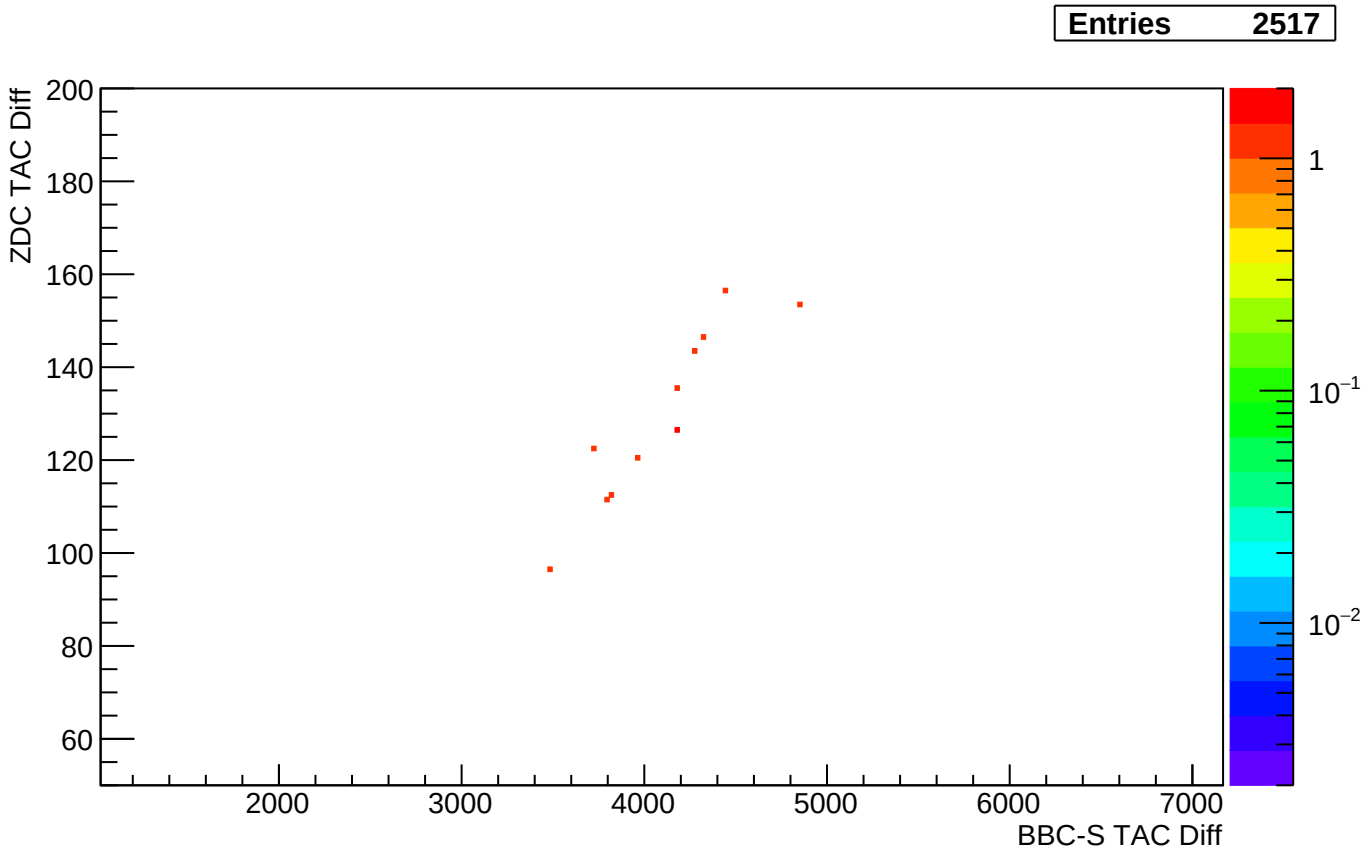

Entries 2517
TOF-Mult
EPD-West Hit Cnt

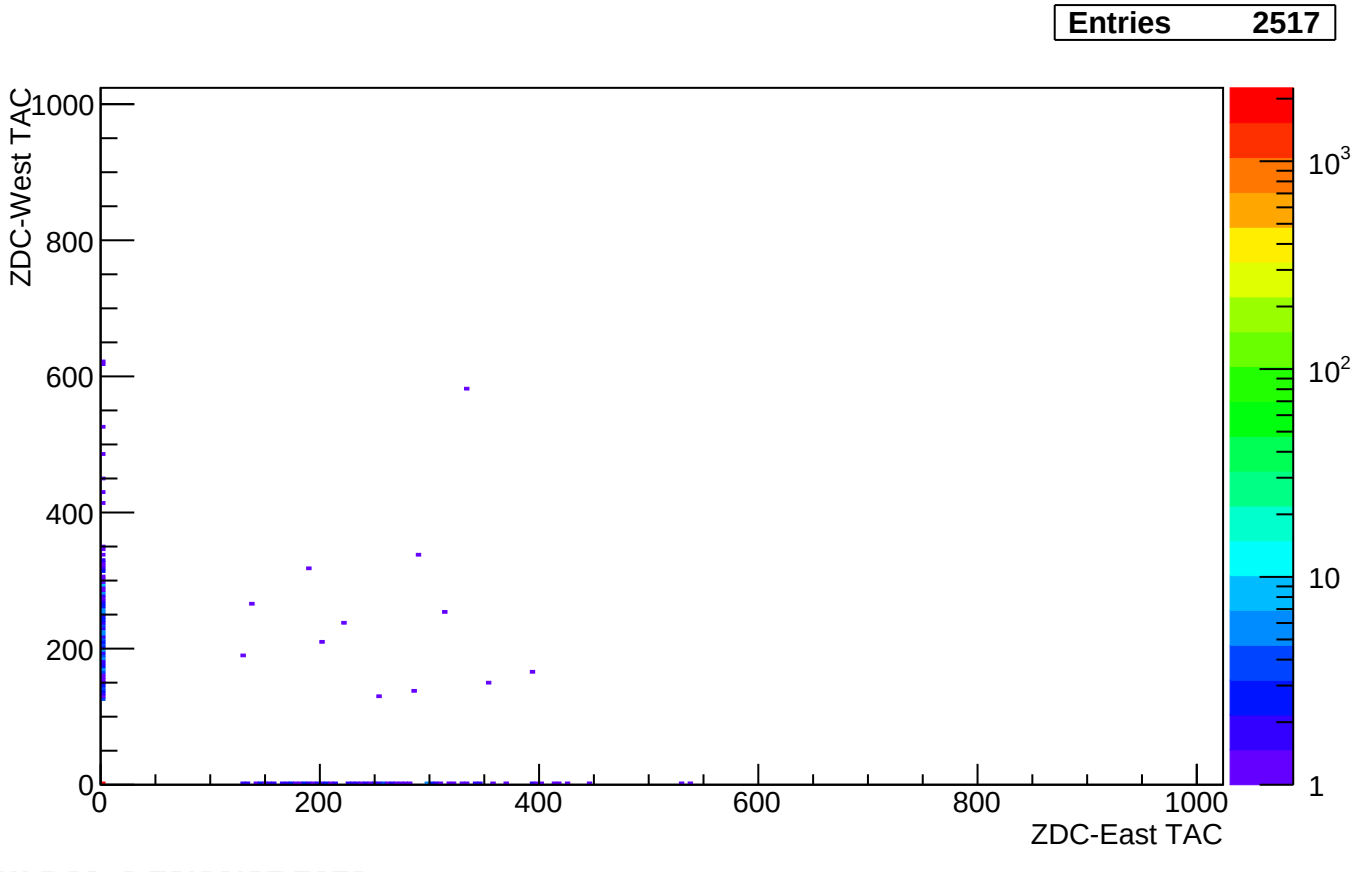

Entries 2517
TOF-Mult
VPD-East ADC Sum

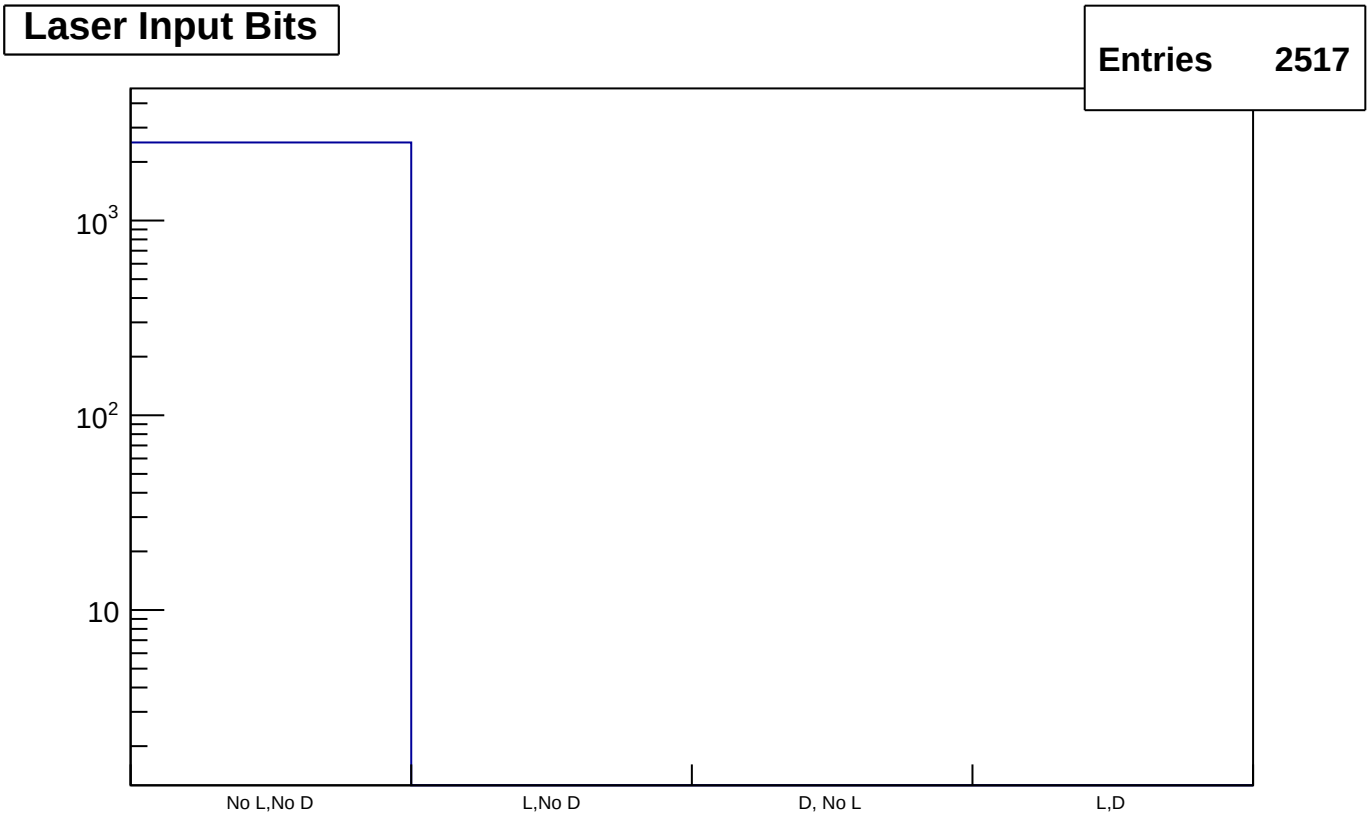

Entries 2517
TOF-Mult
VPD-West ADC Sum

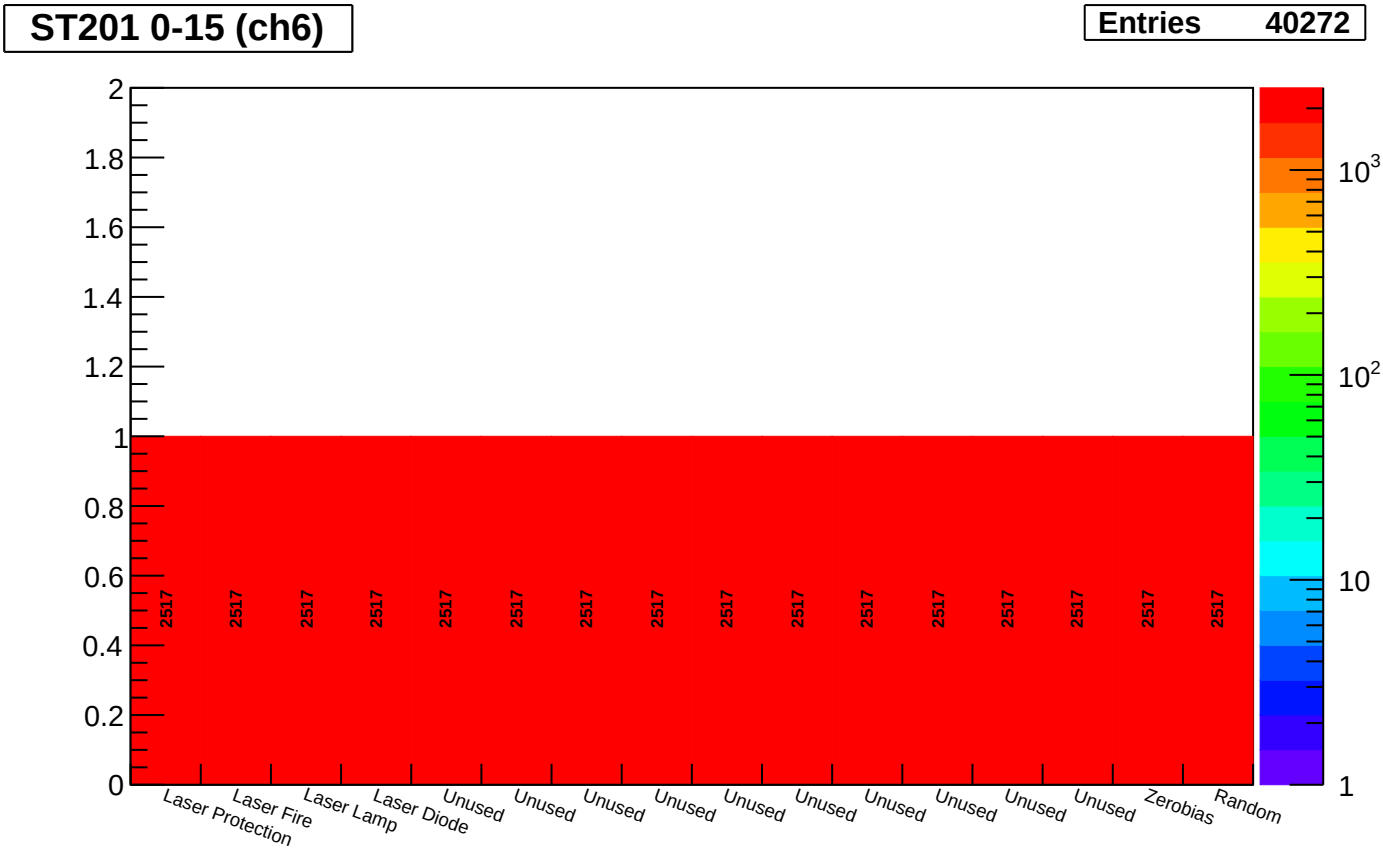

Entries 2517
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

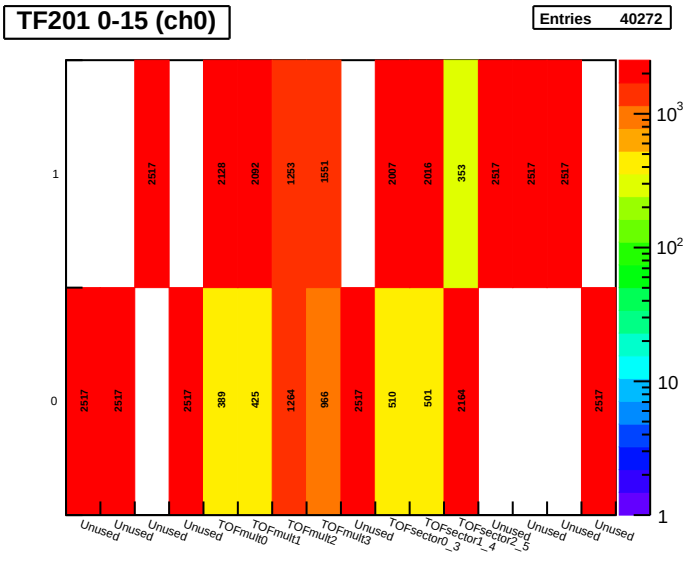

Entries 2517
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

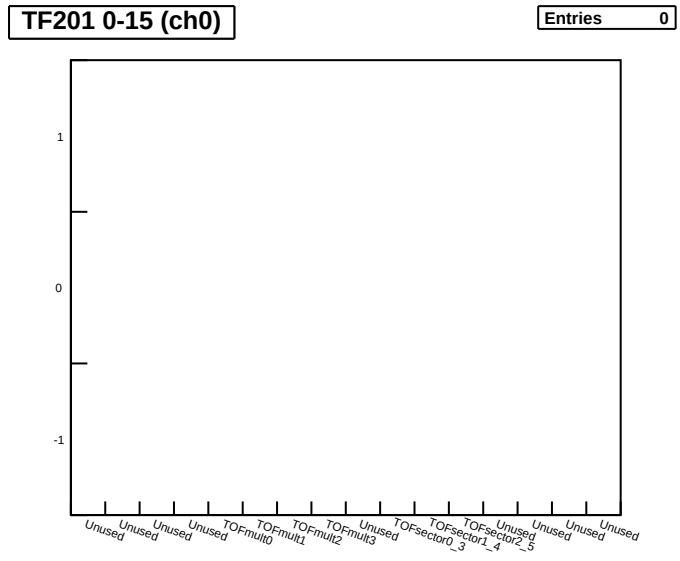

Entries 2517
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

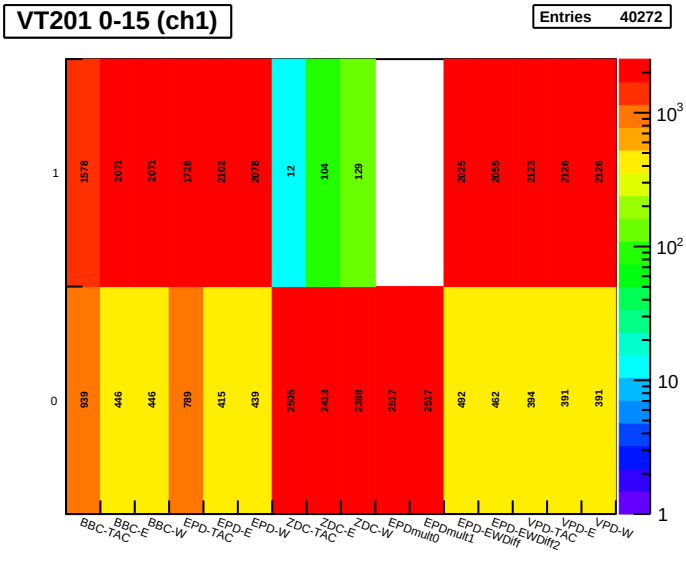

Entries 2517
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^3
10^2
10
1

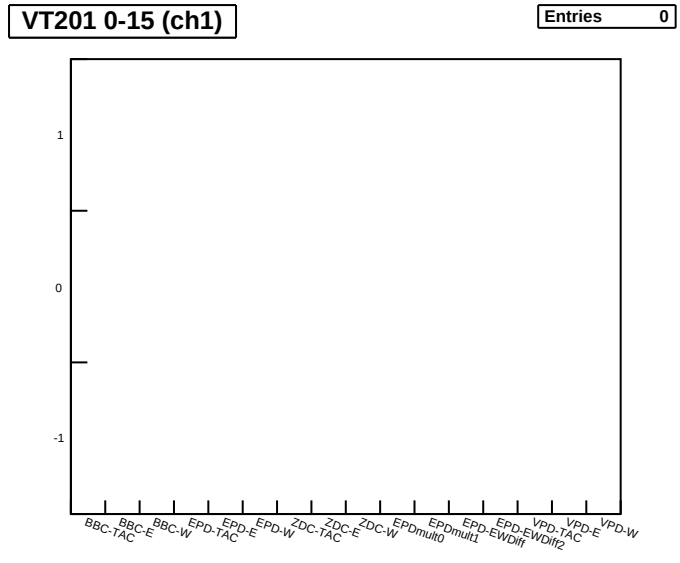

Laser Input Bits
Entries 2517
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

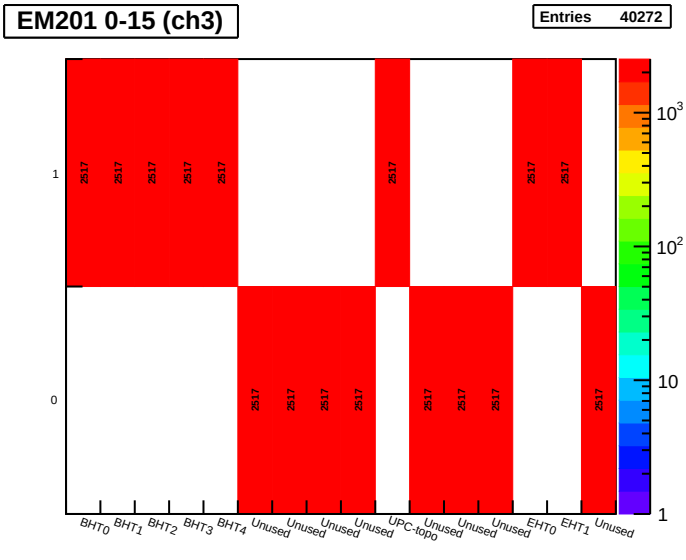

ST201 0-15 (ch6)
Entries 40272
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
2517
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^3
10^2
10
1

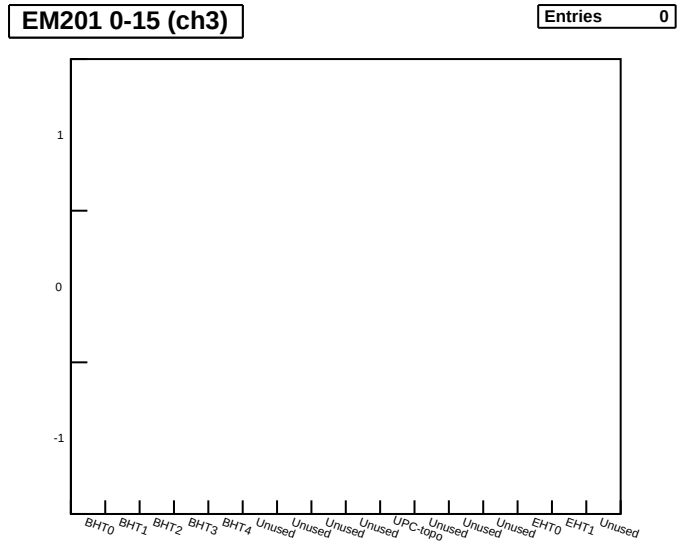

TF201 0-15 (ch0)
Entries 40272
1
0
2517 2128 2092 1253 1551 2007 2016 353 2517 2517 2517
2517 2517 2517 389 425 1264 966 2517 510 501 2164 2517
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 40272
1
0
1578 2071 2071 1728 2102 2078 12 104 129 2025 2055 2123 2126 2126
939 446 446 789 415 439 2505 2413 2388 2517 2517 492 462 394 391 391
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
10^3
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 40272
1
0
2517 2517 2517 2517 2517 2517 2517 2517
2517 2517 2517 2517 2517 2517 2517 2517
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
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