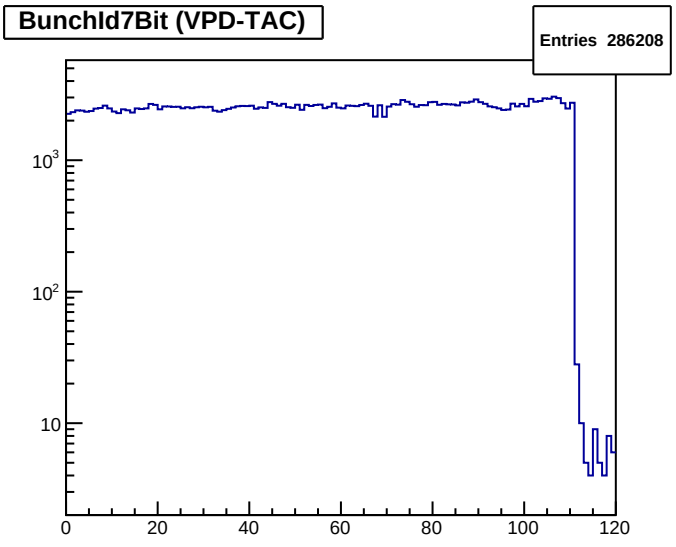
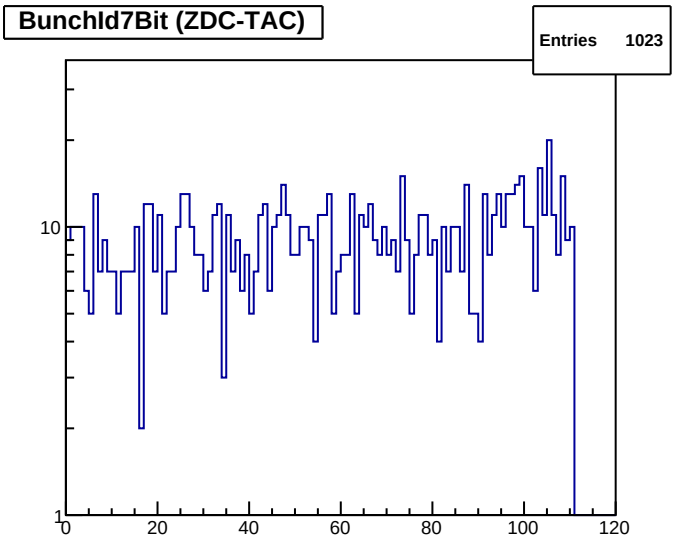
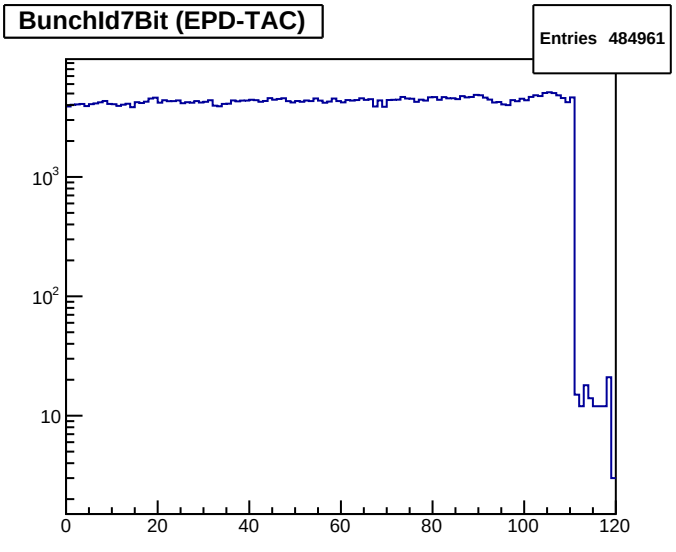
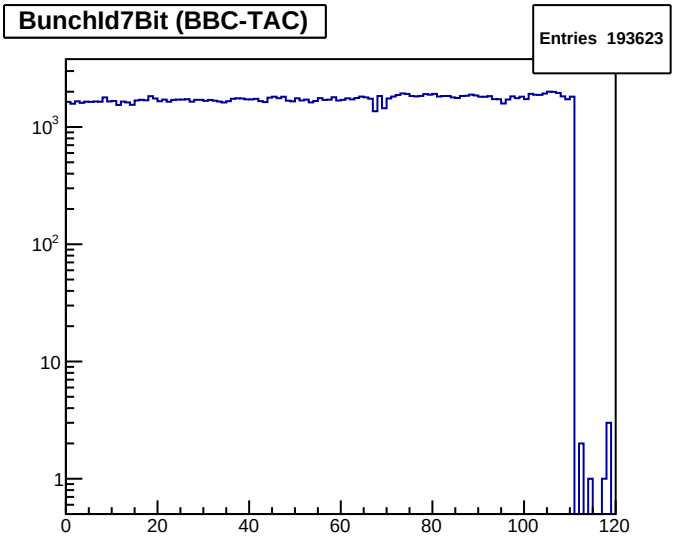
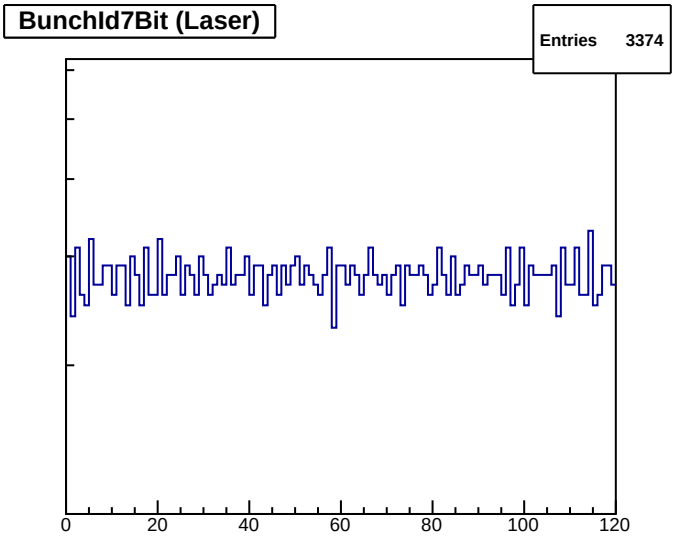
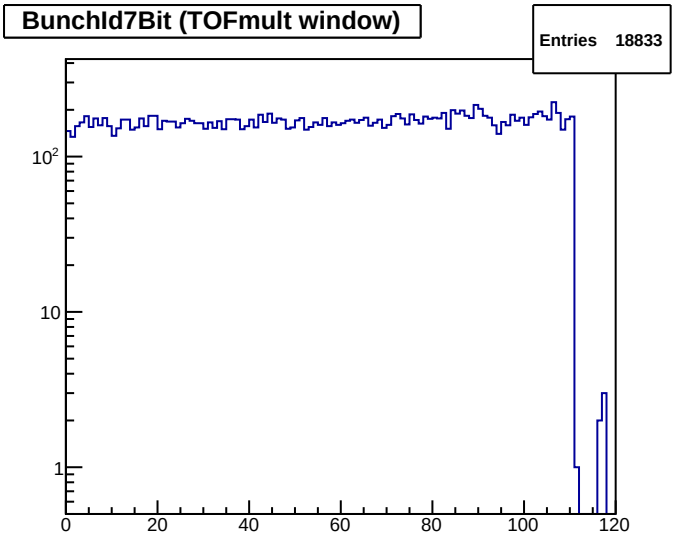

BunchId7Bit (VPD-TAC)
Entries 286208
10^3
10^2
10
0 20 40 60 80 100 120

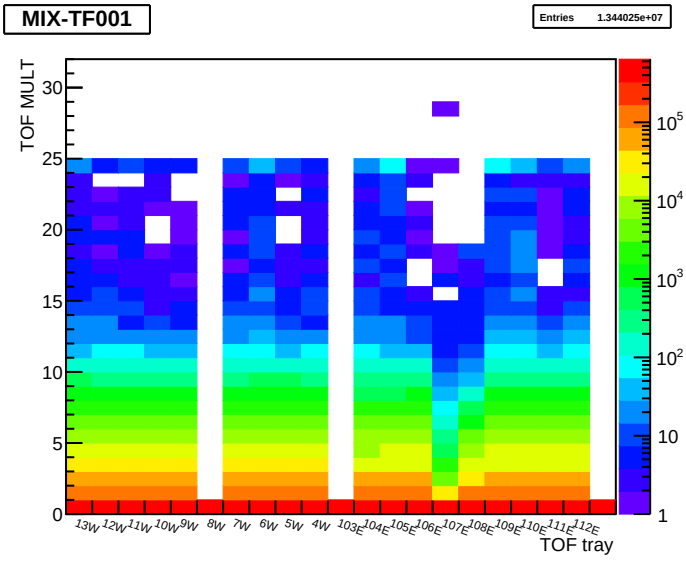

BunchId7Bit (ZDC-TAC)
Entries 1023
10
1
0 20 40 60 80 100 120

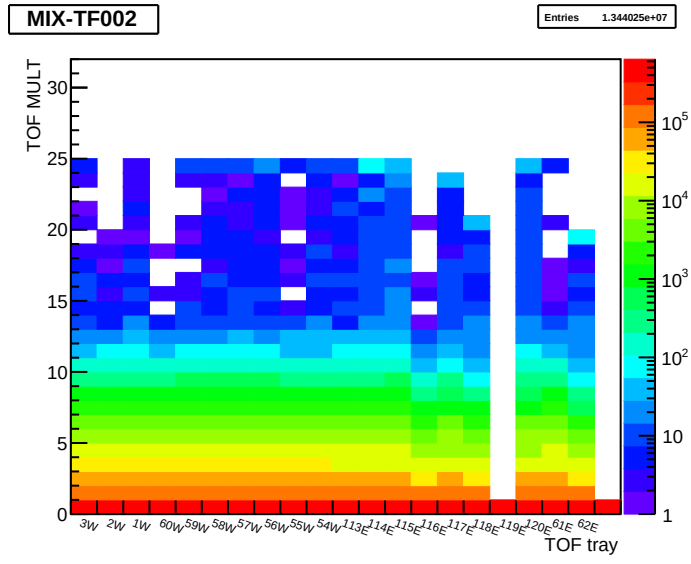

BunchId7Bit (EPD-TAC)
Entries 484961
10^3
10^2
10
0 20 40 60 80 100 120

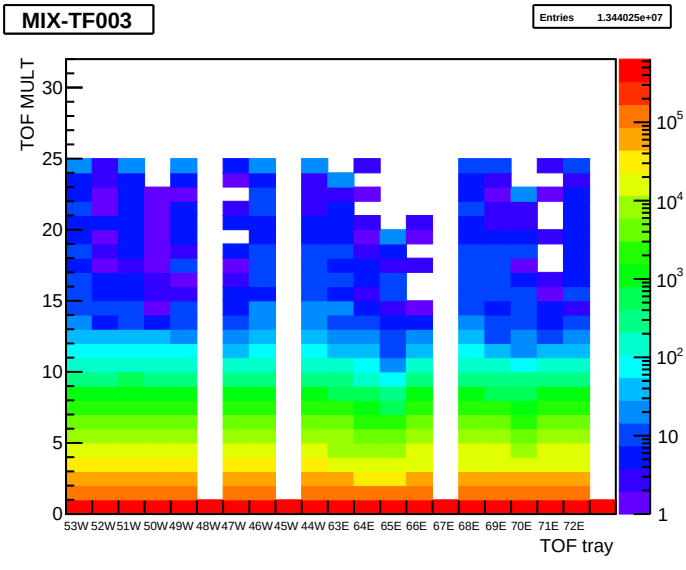

BunchId7Bit (BBC-TAC)
Entries 193623
10^3
10^2
10
1
0 20 40 60 80 100 120

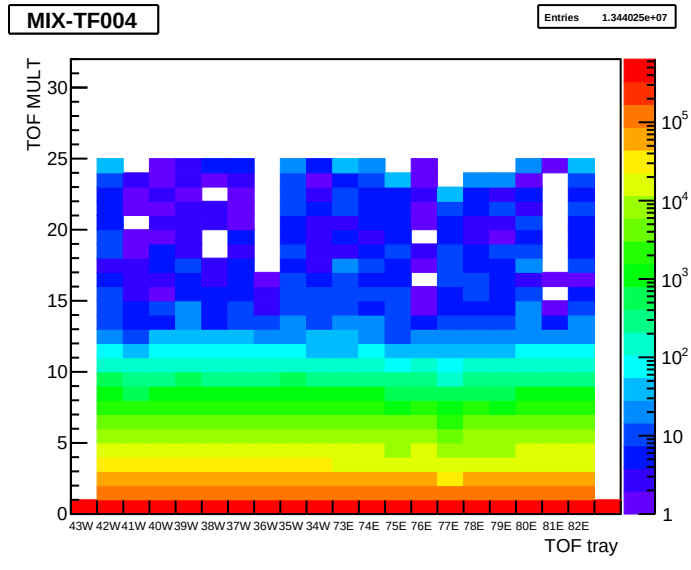

BunchId7Bit (Laser)
Entries 3374
0 20 40 60 80 100 120

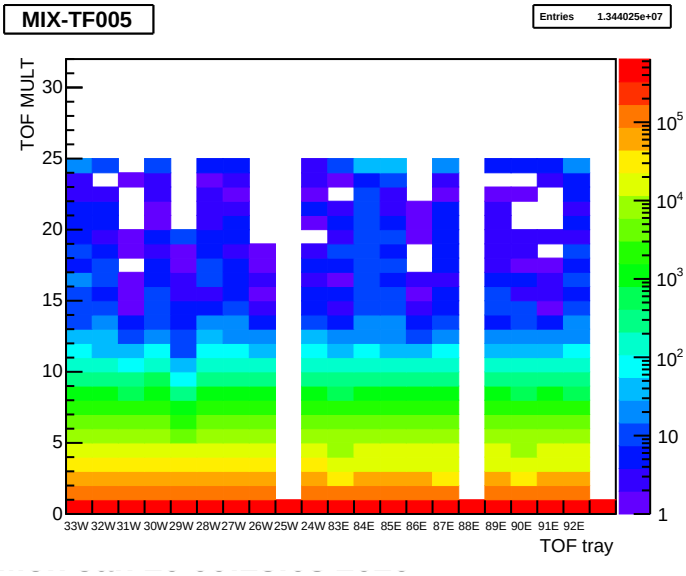

BunchId7Bit (TOFmult window)
Entries 18833
10^2
10
1
0 20 40 60 80 100 120

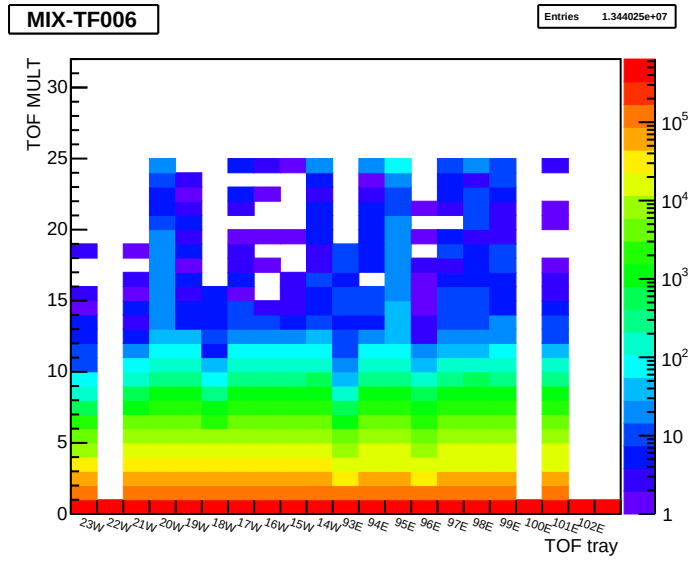

MIX-TF001
Entries 1.344025e+07
TOF MULT
TOF tray

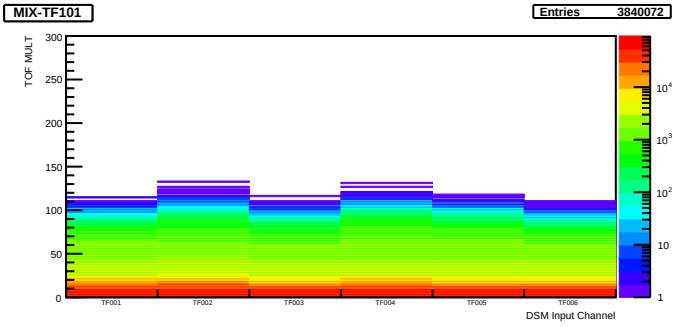

MIX-TF002
Entries 1.344025e+07
TOF MULT
TOF tray

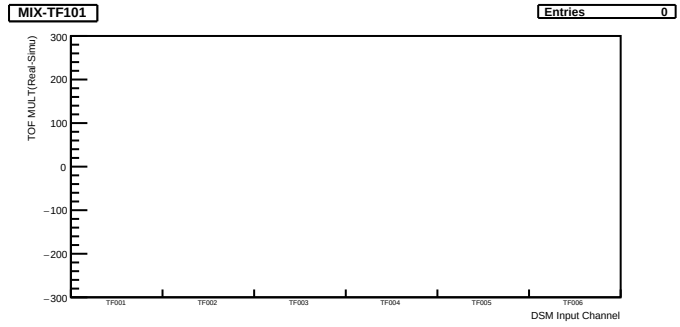

MIX-TF003
Entries 1.344025e+07
TOF MULT
TOF tray

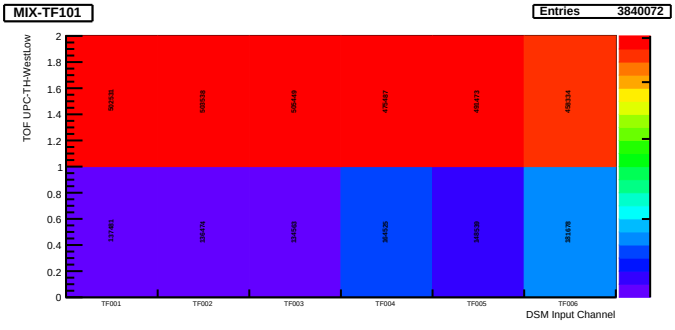

MIX-TF004
Entries 1.344025e+07
TOF MULT
TOF tray

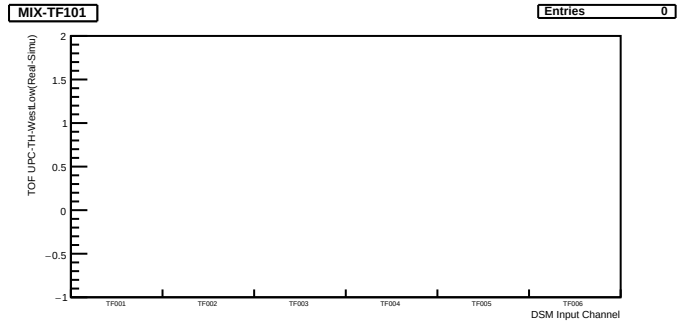

MIX-TF005
Entries 1.344025e+07
TOF MULT
TOF tray

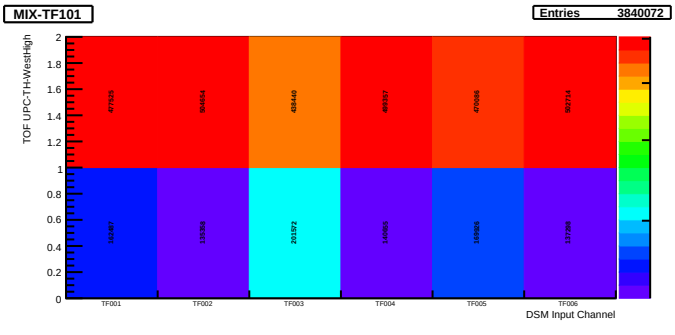

MIX-TF006
Entries 1.344025e+07
TOF MULT
TOF tray

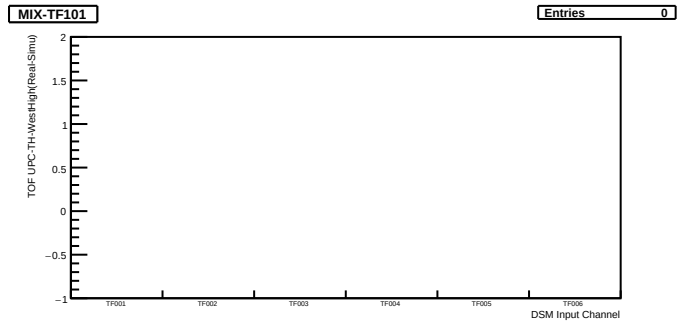

MIX-TF101
Entries 3840072
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

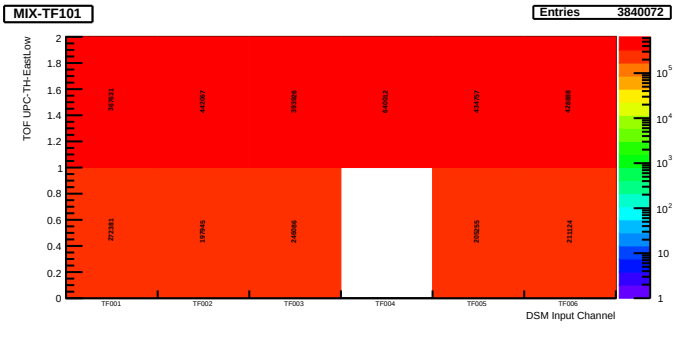

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

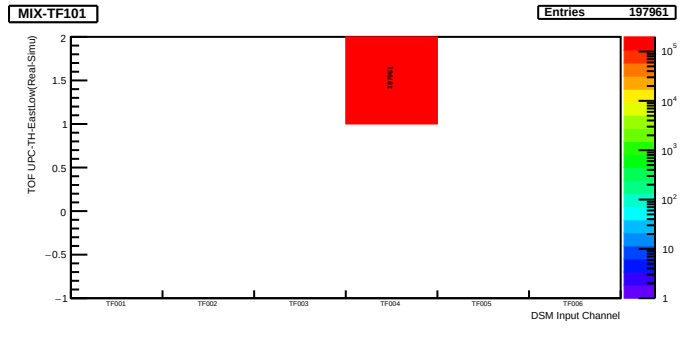

MIX-TF101
Entries 3840072
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

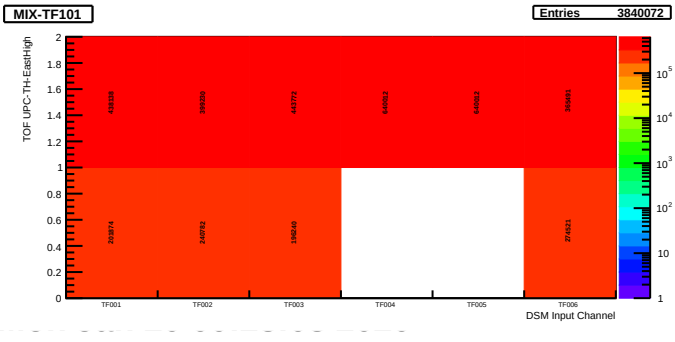

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

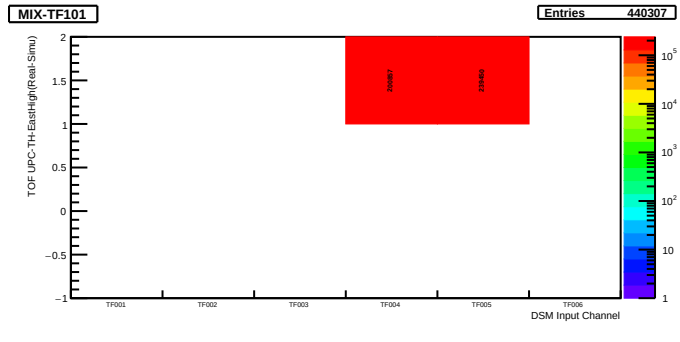

MIX-TF101
Entries 3840072
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

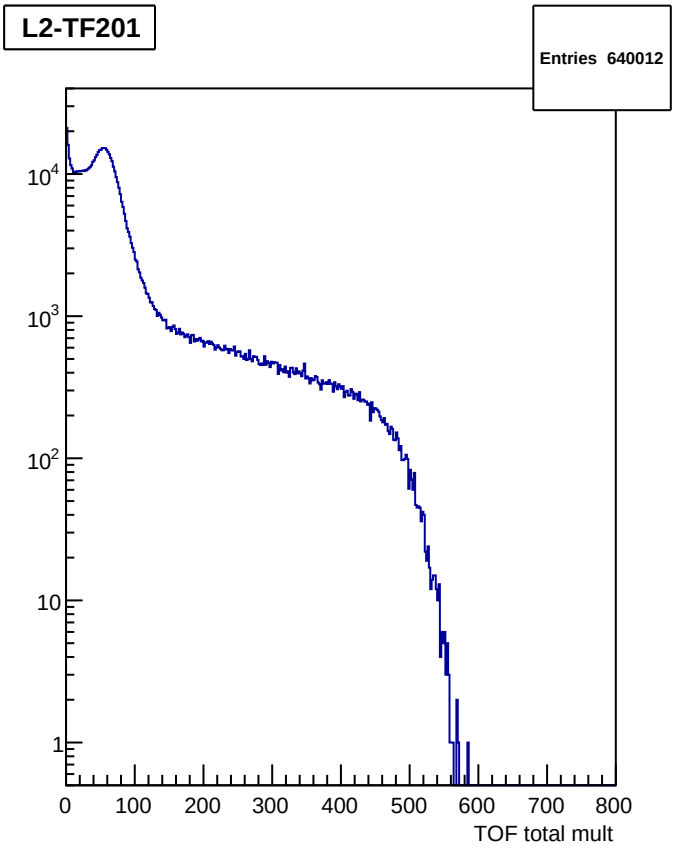

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

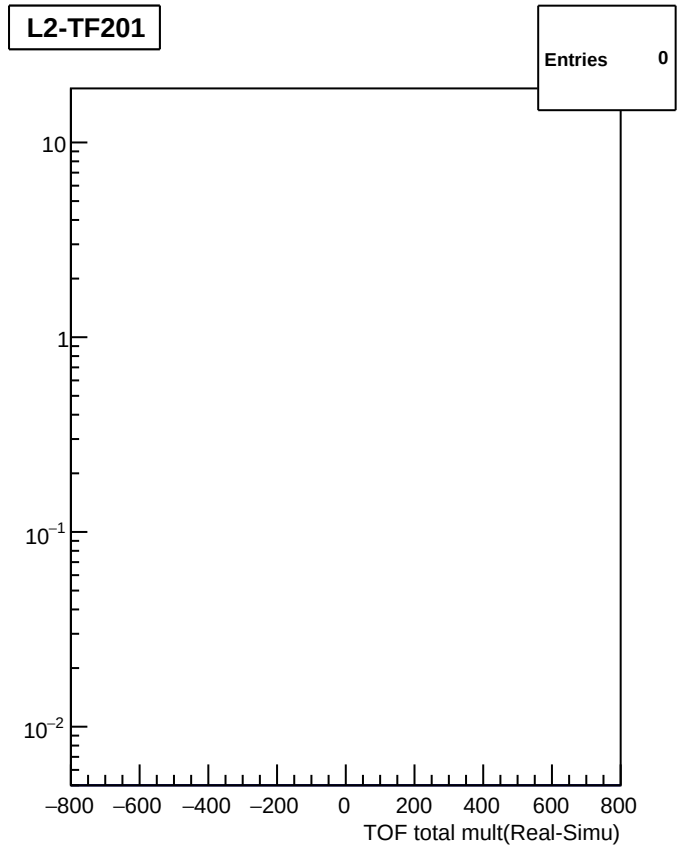

MIX-TF101
Entries 3840072
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

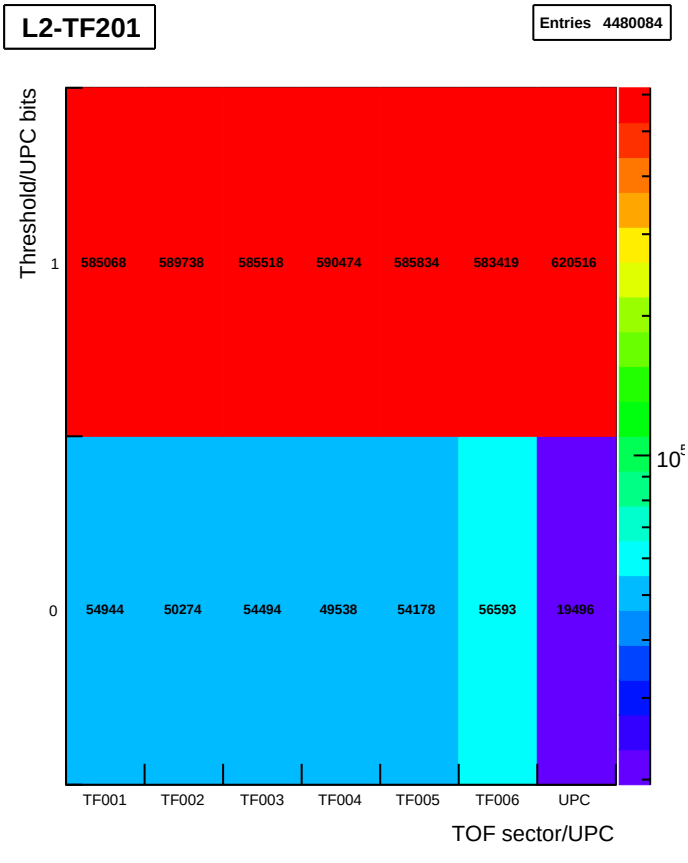

MIX-TF101
Entries 197961
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

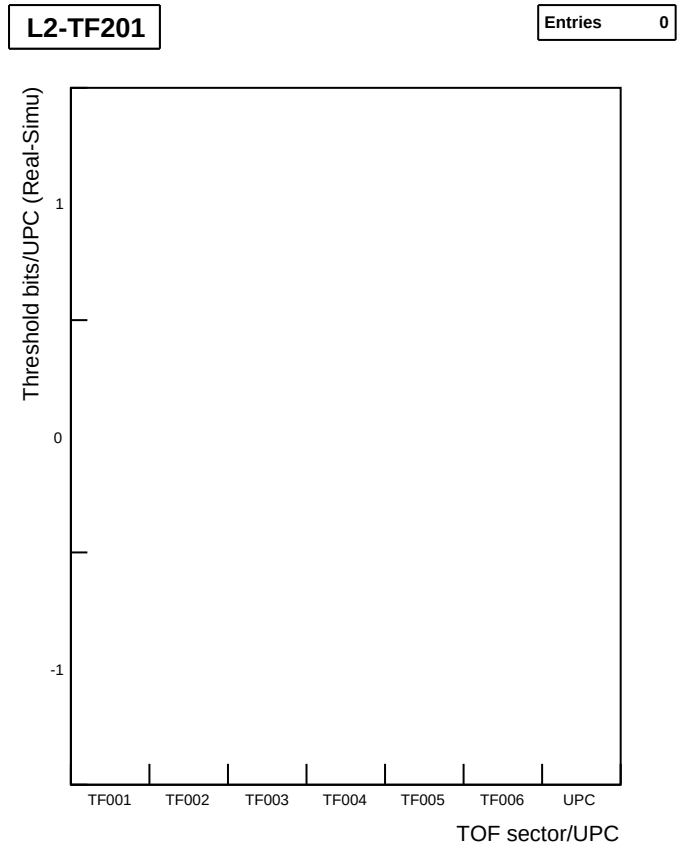

MIX-TF101
Entries 3840072
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

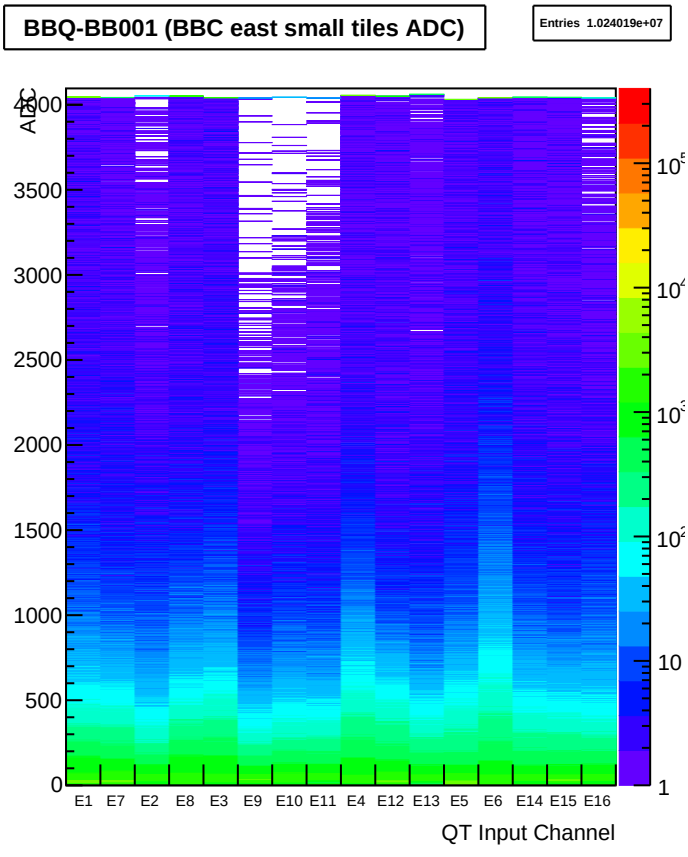

MIX-TF101
Entries 440307
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

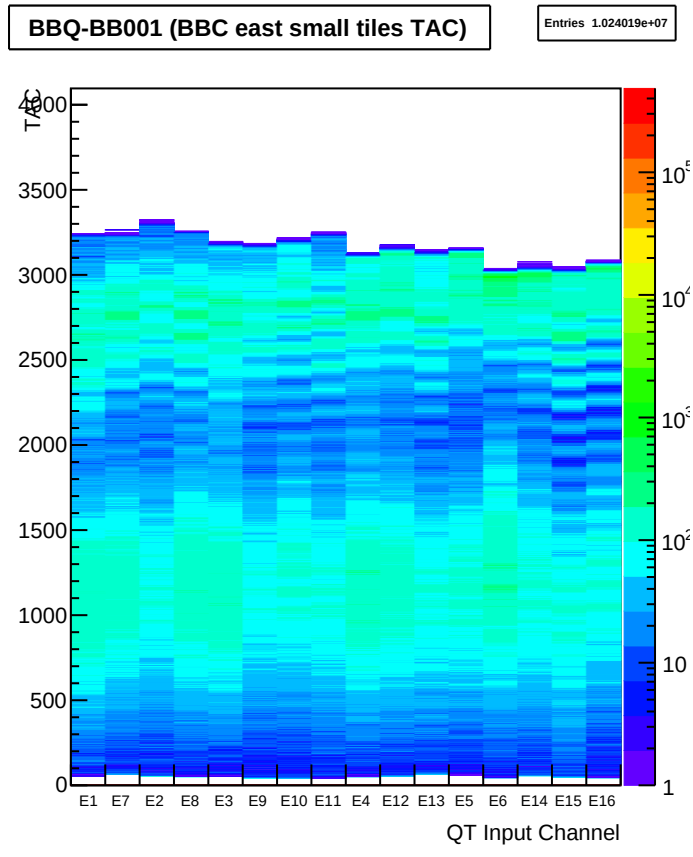

L2-TF201
Entries 640012
TOF total mult

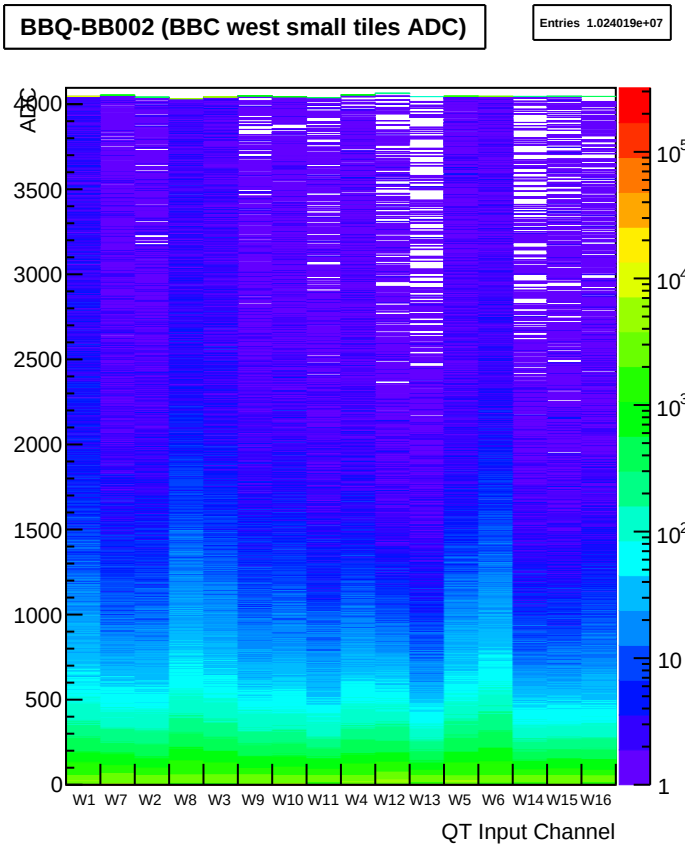

L2-TF201
Entries 0
TOF total mult(Real-Simu)

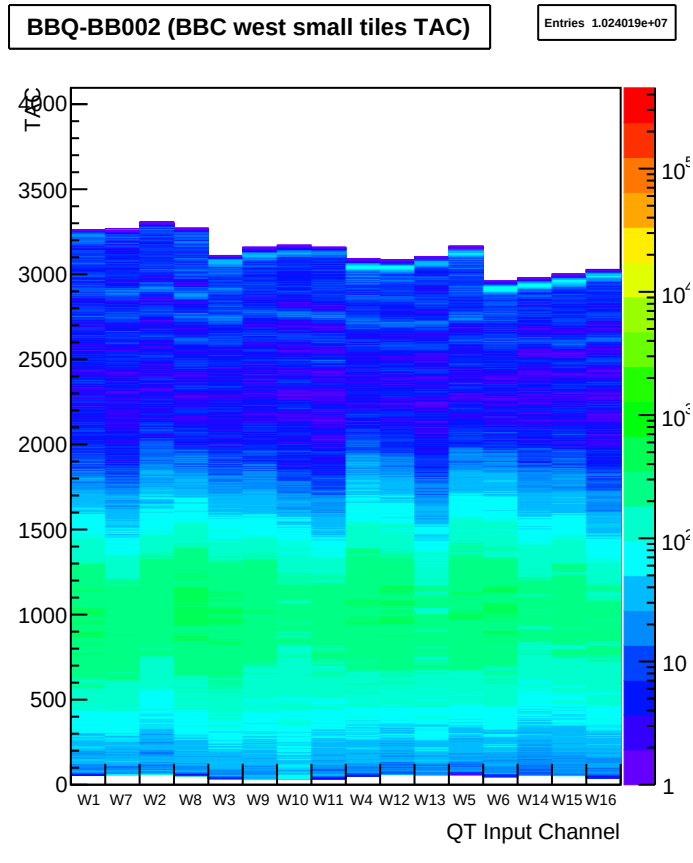

L2-TF201
Entries 4480084
Threshold/UPC bits
585068 589738 585518 590474 585834 583419 620516
54944 50274 54494 49538 54178 56593 19496
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

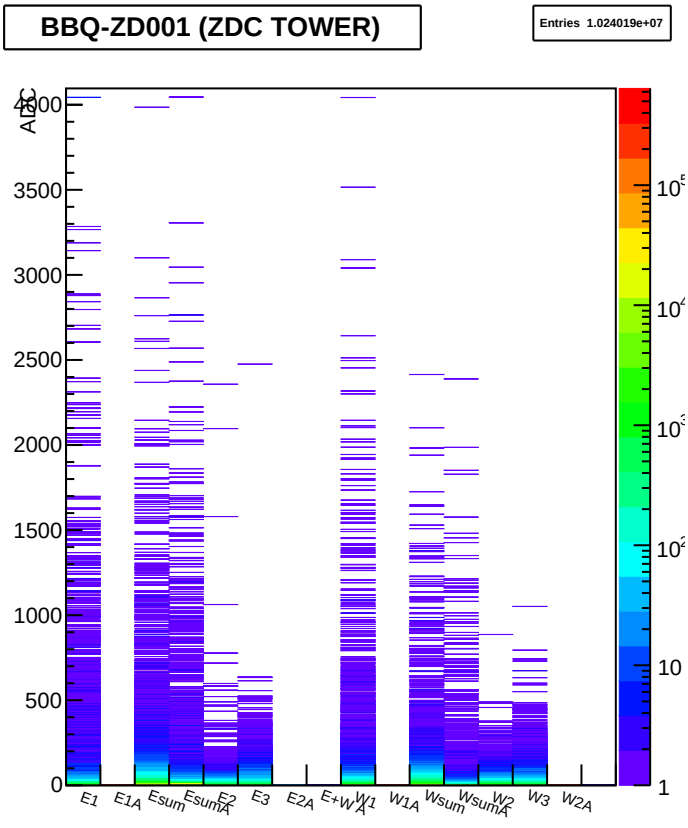

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

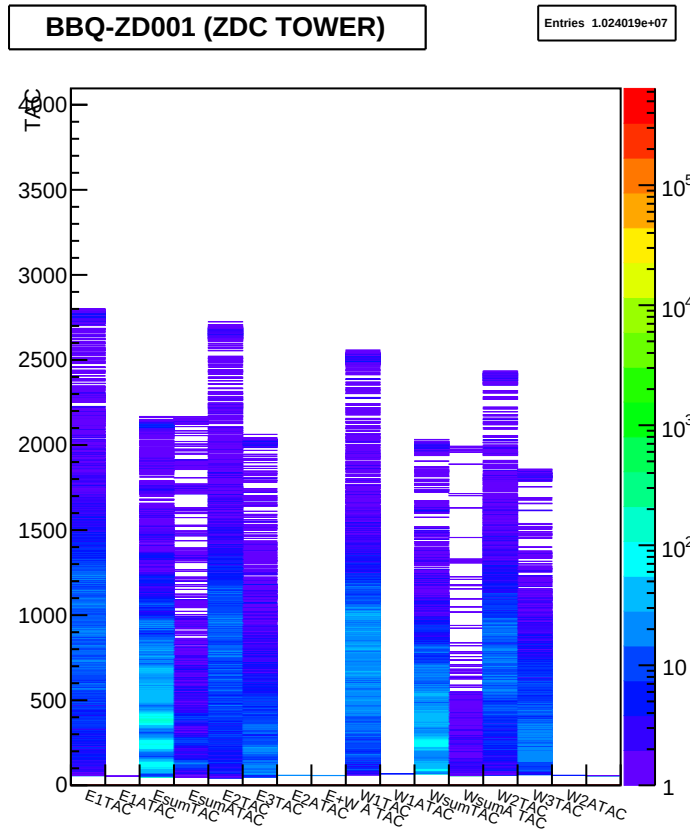

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.024019e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

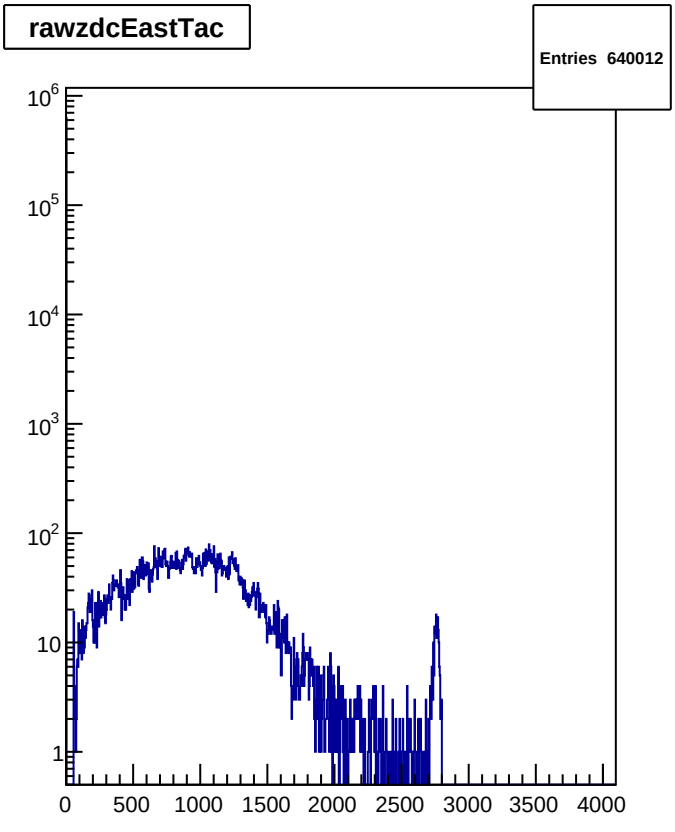

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.024019e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

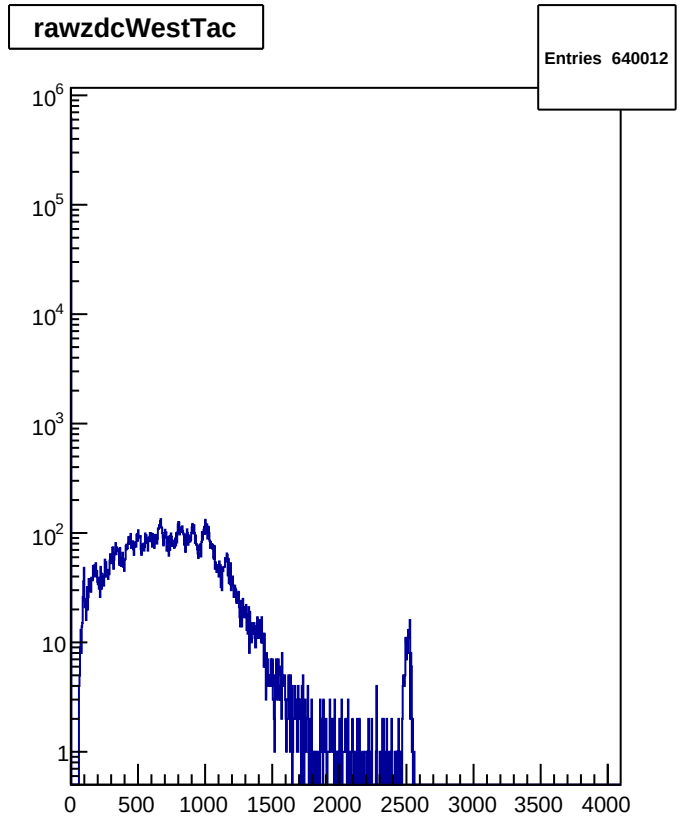

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.024019e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

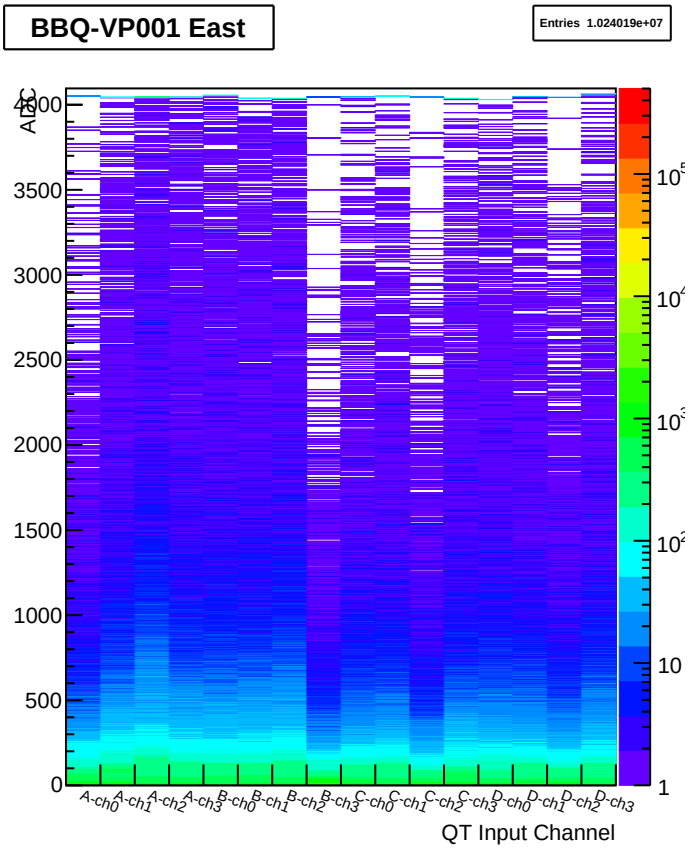

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.024019e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

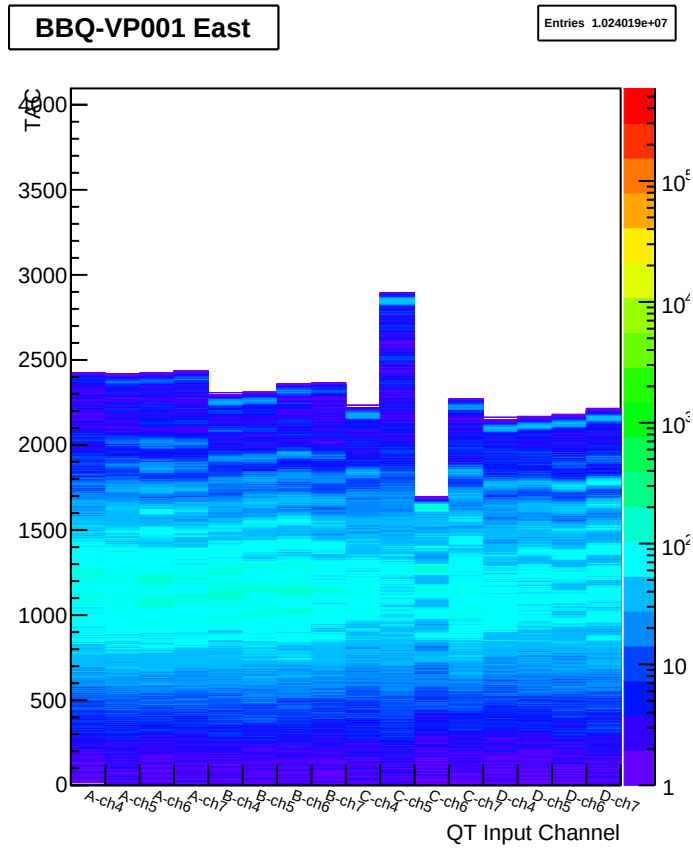

BBQ-ZD001 (ZDC TOWER)
Entries 1.024019e+07
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1A
W1A
Wsum
WsumA
W2
W3
W2A

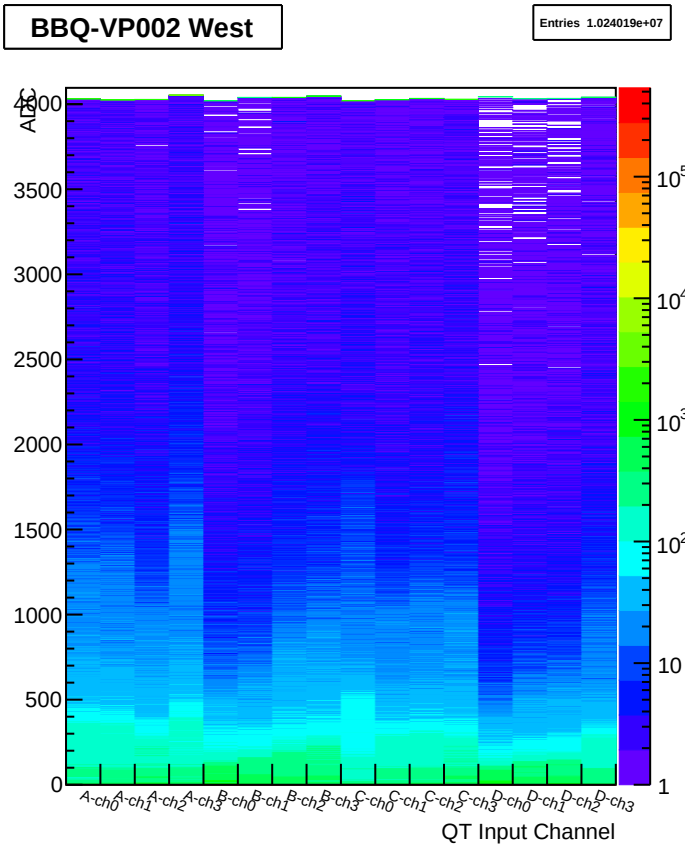

BBQ-ZD001 (ZDC TOWER)
Entries 1.024019e+07
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

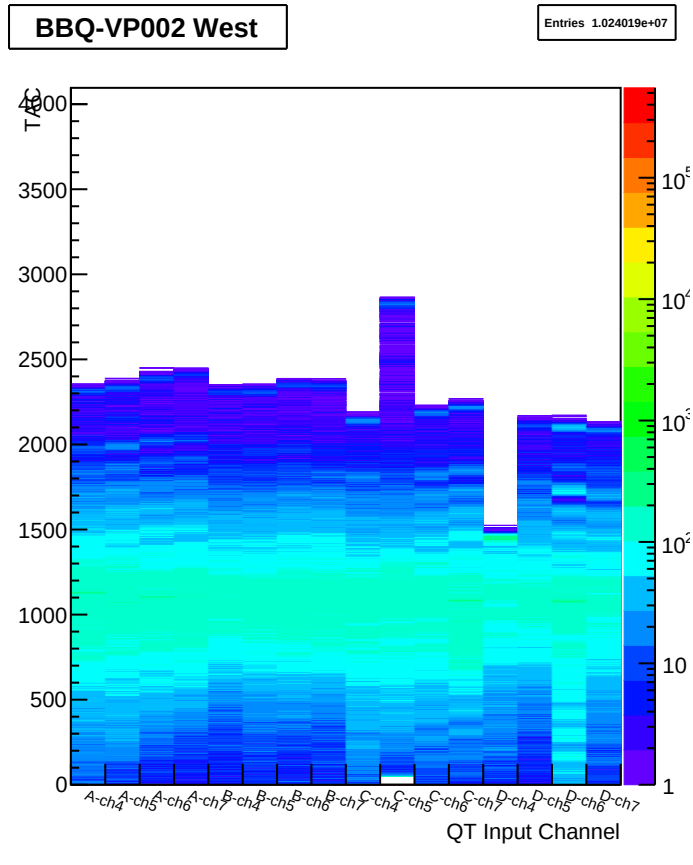

rawzdcEastTac
Entries 640012

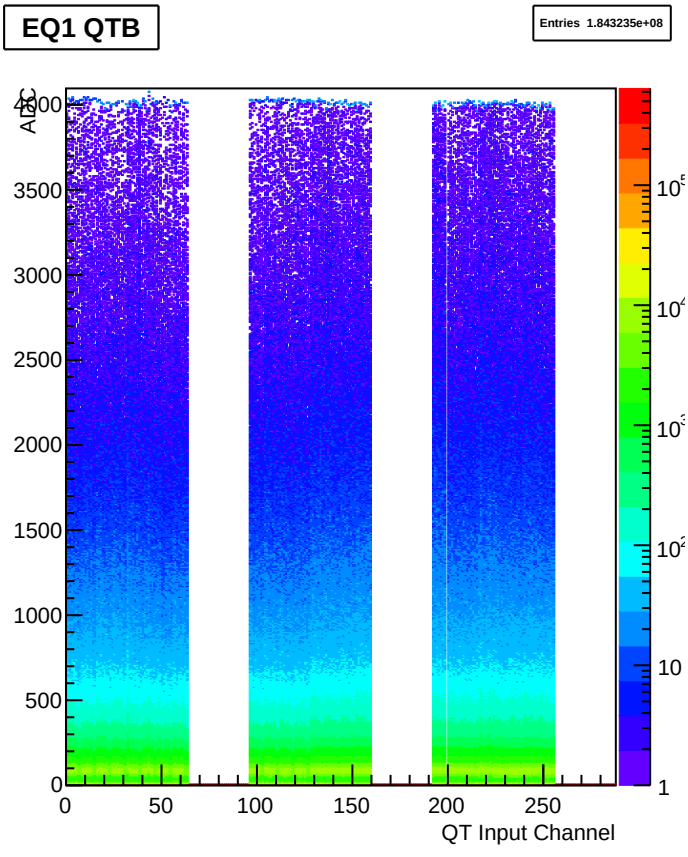

rawzdcWestTac
Entries 640012

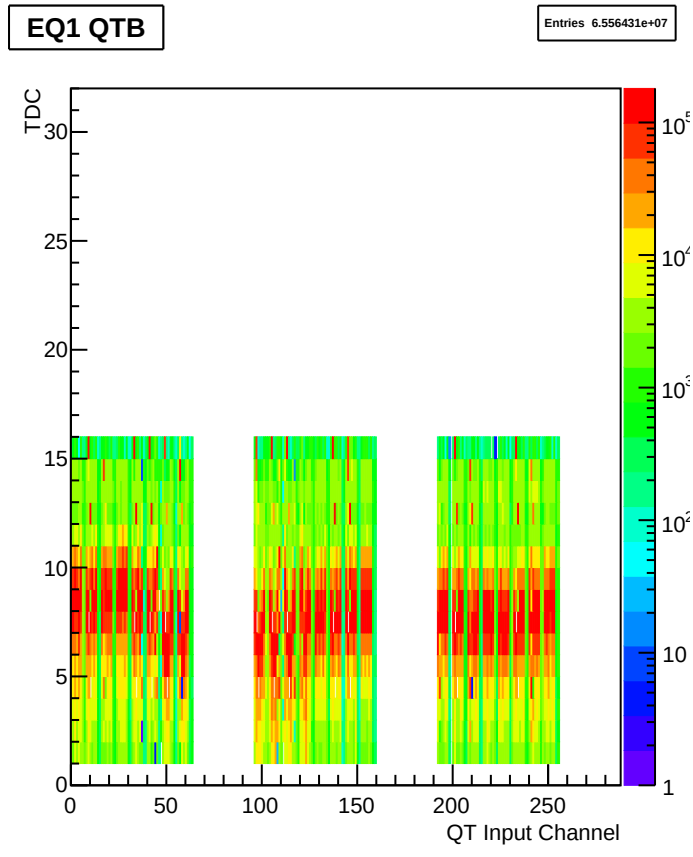

BBQ-VP001 East
Entries 1.024019e+07
ADC
QT Input Channel

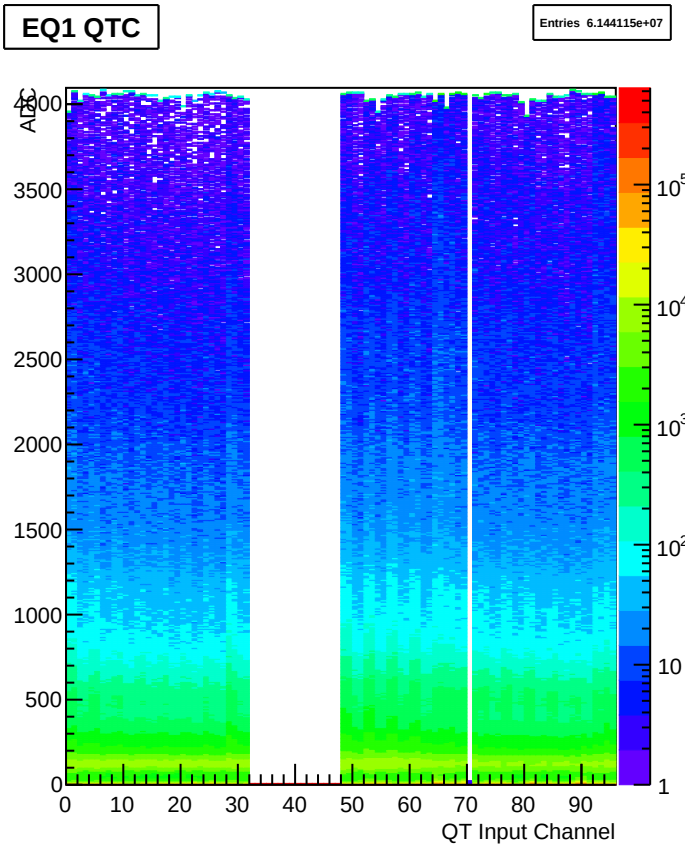

BBQ-VP001 East
Entries 1.024019e+07
TADC
QT Input Channel

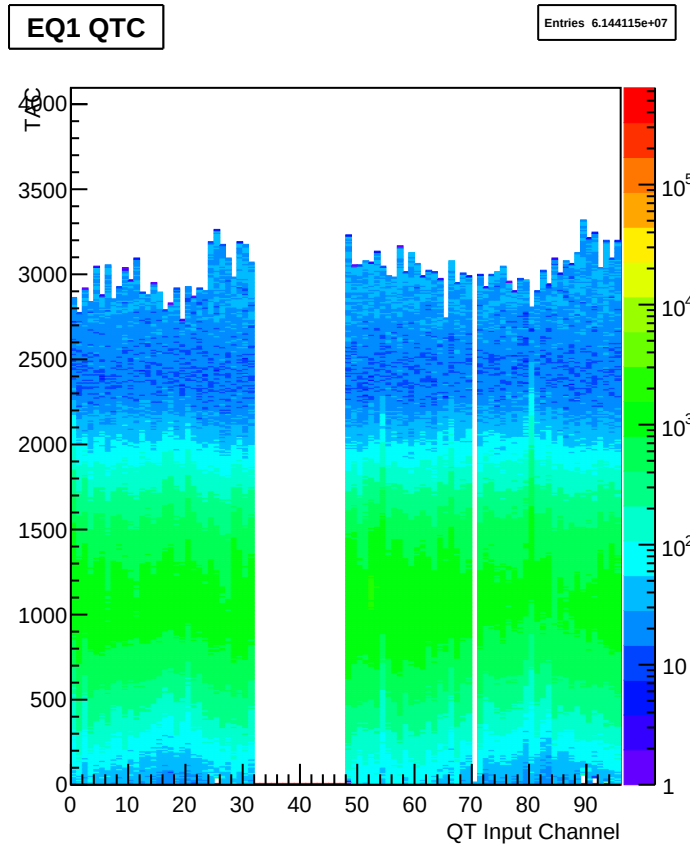

BBQ-VP002 West
Entries 1.024019e+07
ADC
QT Input Channel

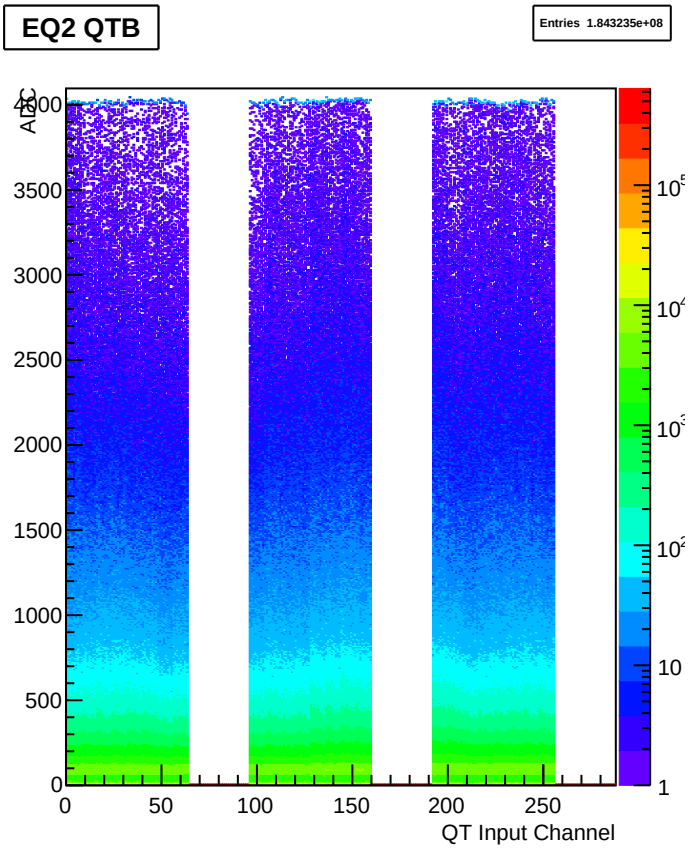

BBQ-VP002 West
Entries 1.024019e+07
TADC
QT Input Channel

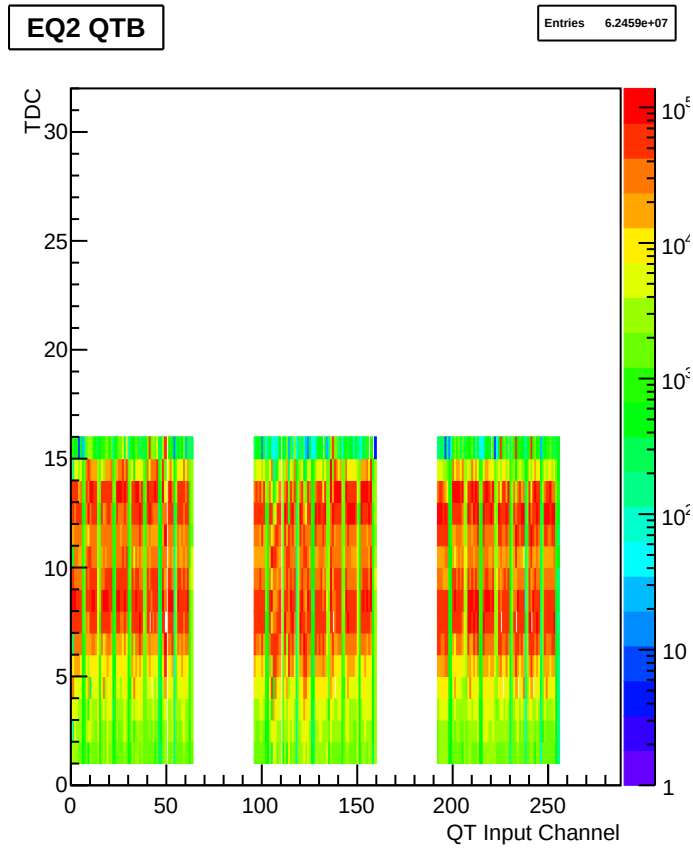

EQ1 QTB
Entries 1.843235e+08
ADC
QT Input Channel

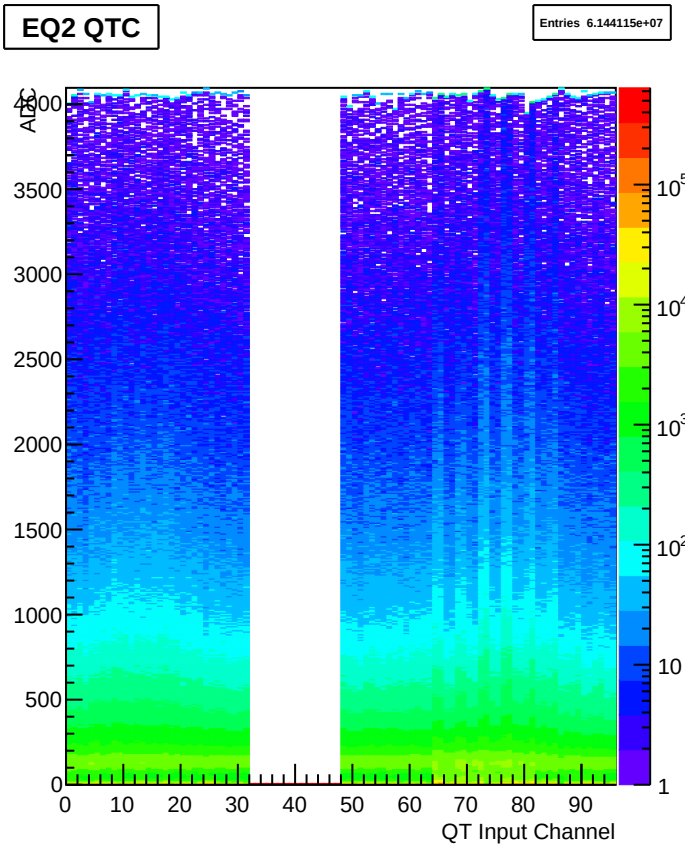

EQ1 QTB
Entries 6.556431e+07
TDC
QT Input Channel

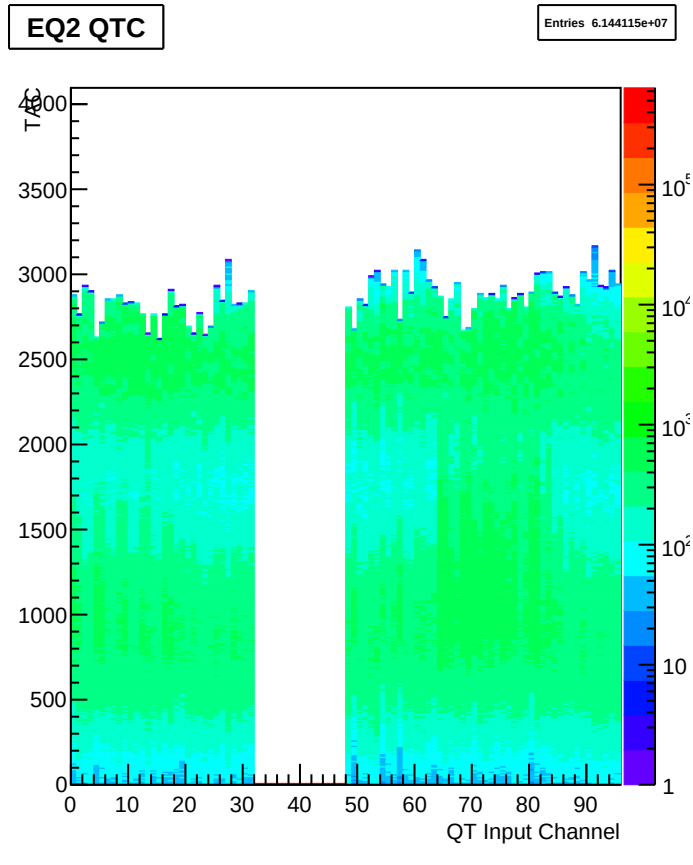

EQ1 QTC
Entries 6.144115e+07
ADC
QT Input Channel

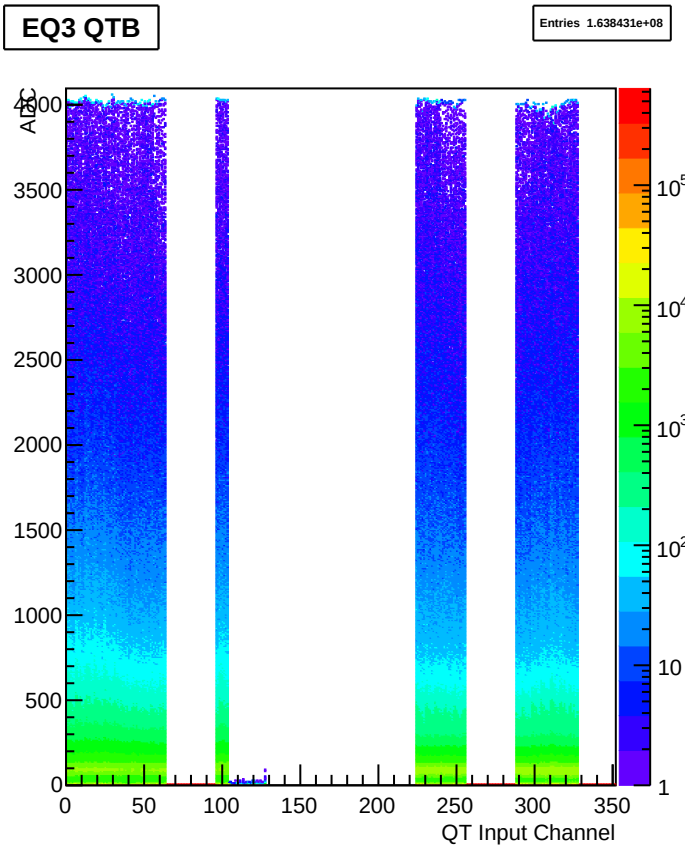

EQ1 QTC
Entries 6.144115e+07
TADC
QT Input Channel

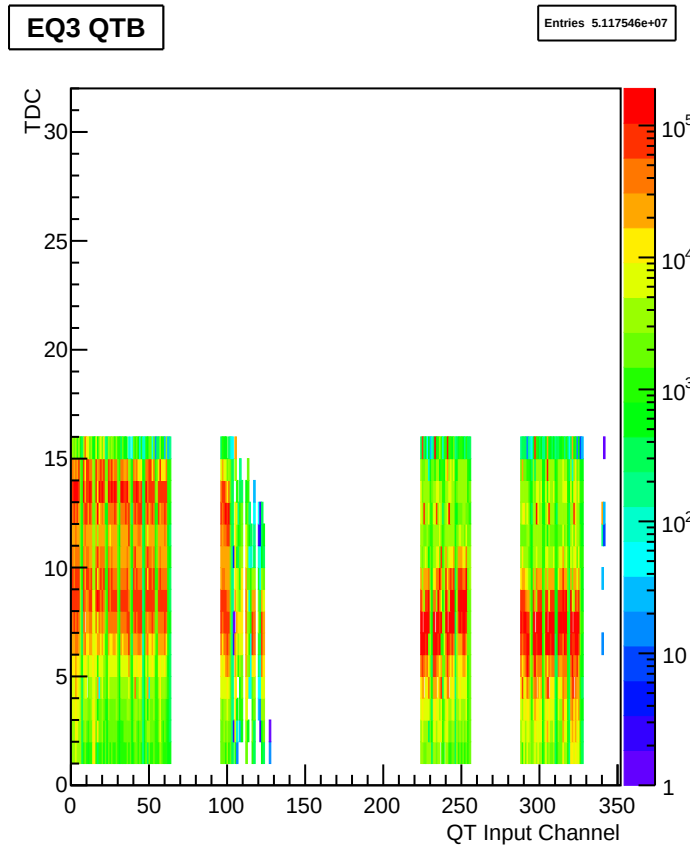

EQ2 QTB
Entries 1.843235e+08
ADC
QT Input Channel

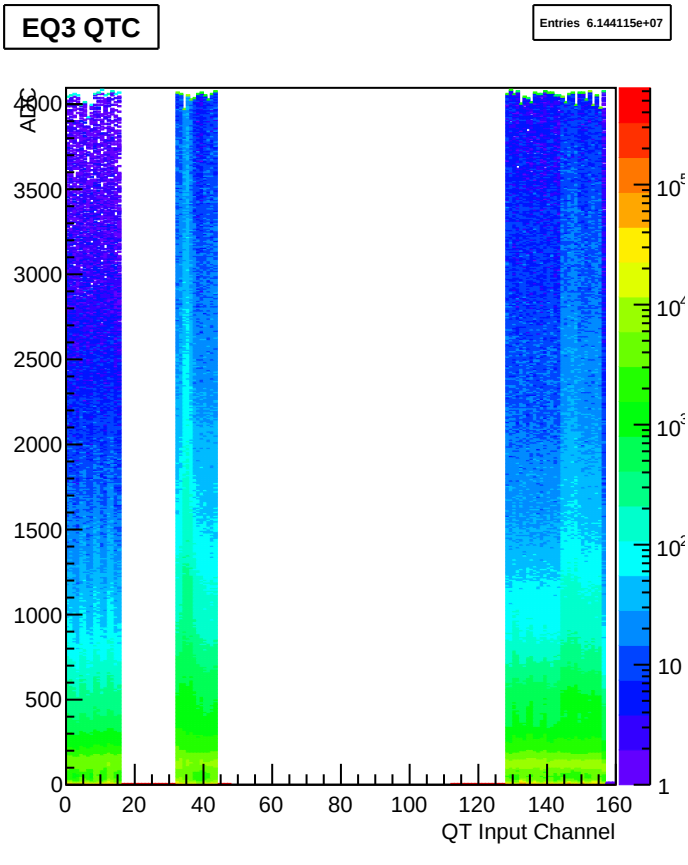

EQ2 QTB
Entries 6.2459e+07
TDC
QT Input Channel

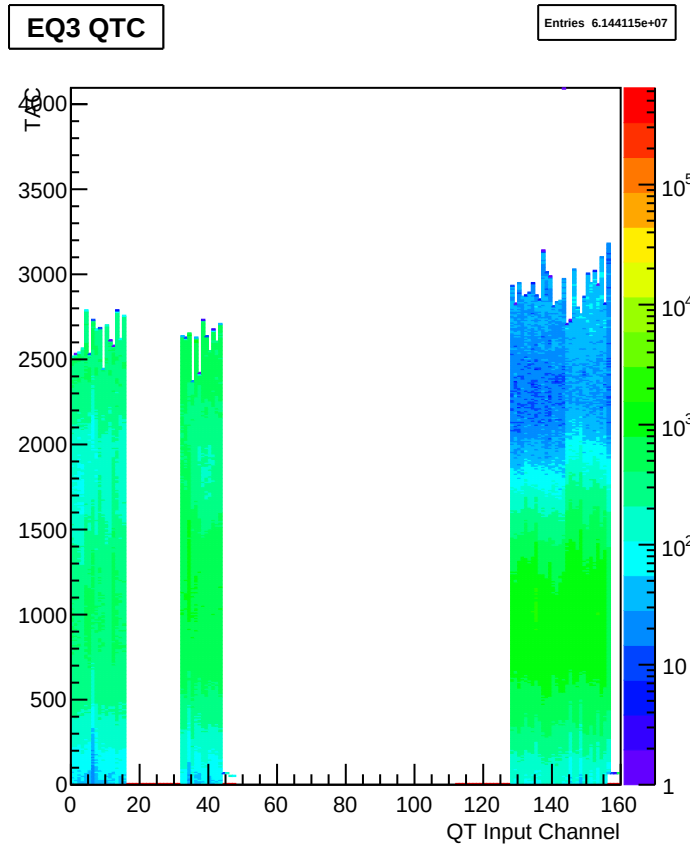

EQ2 QTC
Entries 6.144115e+07
ADC
QT Input Channel


EQ2 QTC
Entries 6.144115e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.638431e+08
ADC
QT Input Channel


EQ3 QTB
Entries 5.117546e+07
TDC
QT Input Channel


EQ3 QTC
Entries 6.144115e+07
ADC
QT Input Channel


EQ3 QTC
Entries 6.144115e+07
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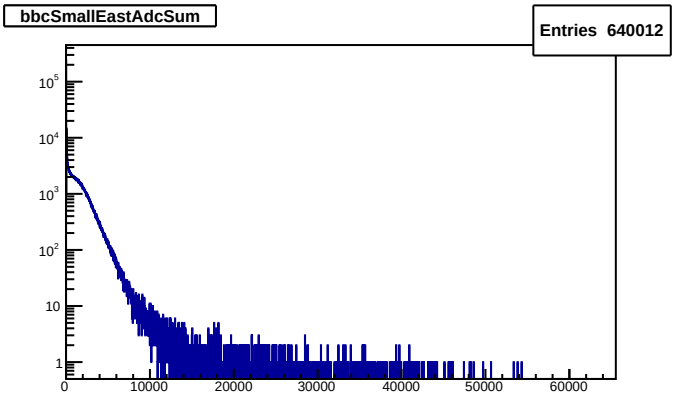
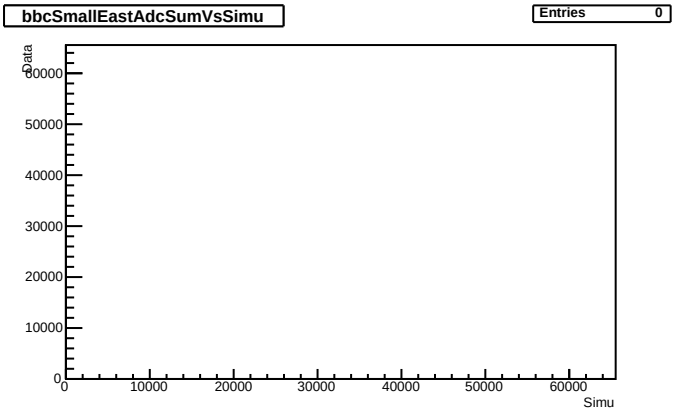
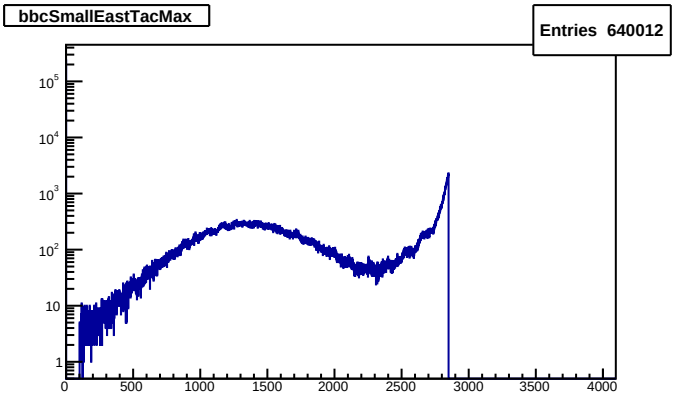
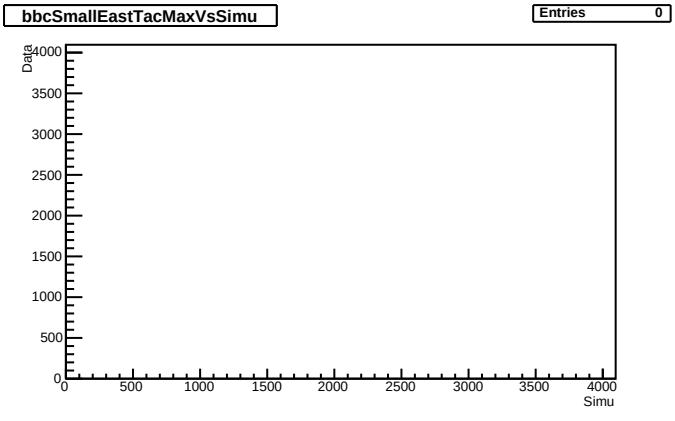
QT Input Channel


bbcSmallEastAdcSum
Entries 640012


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 640012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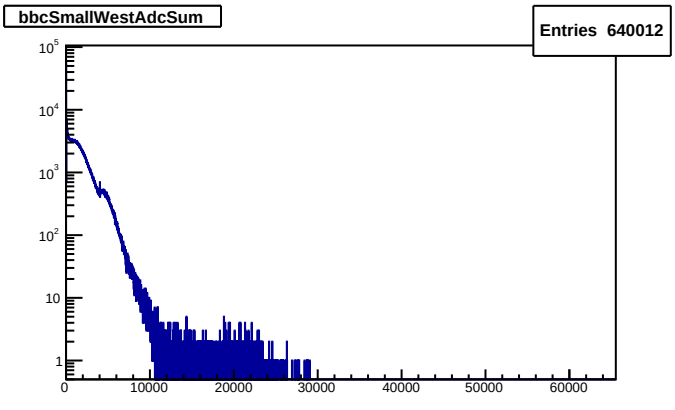
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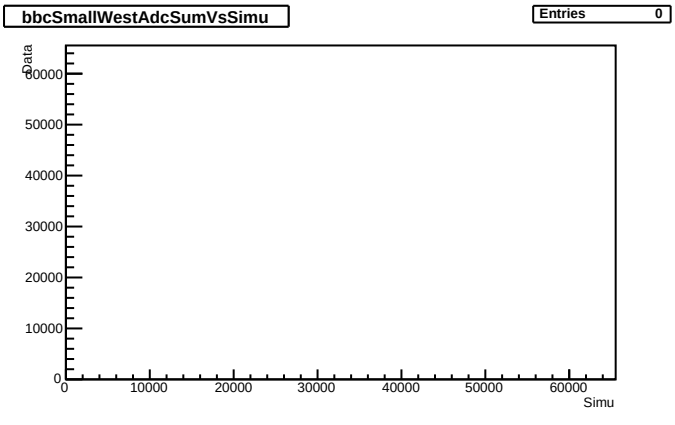
Entries 640012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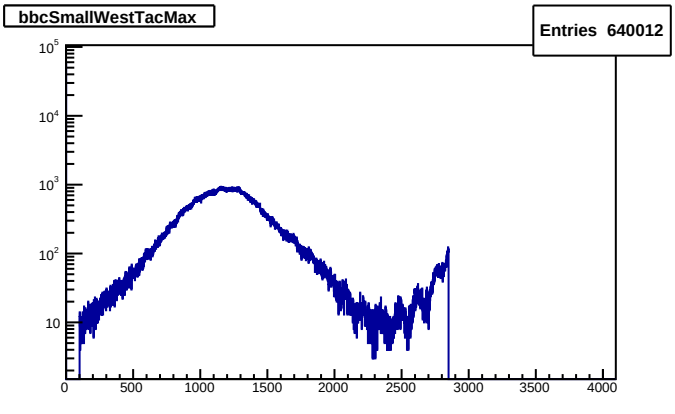
Simu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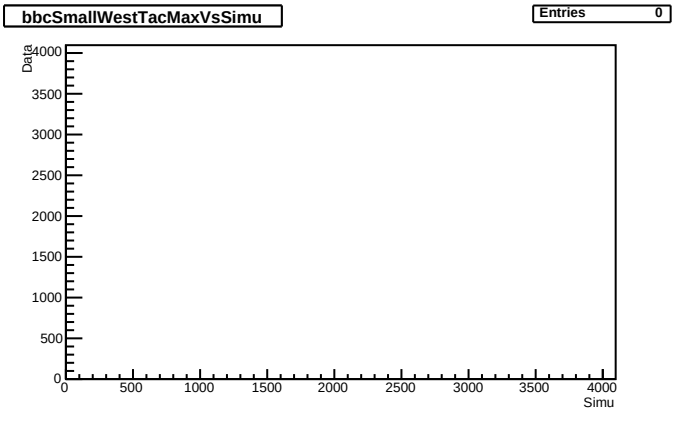
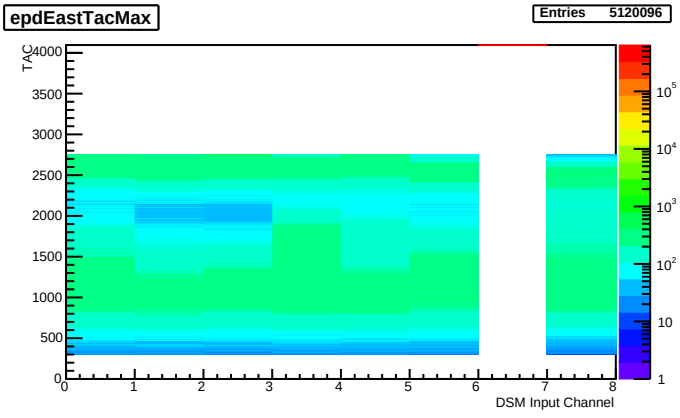
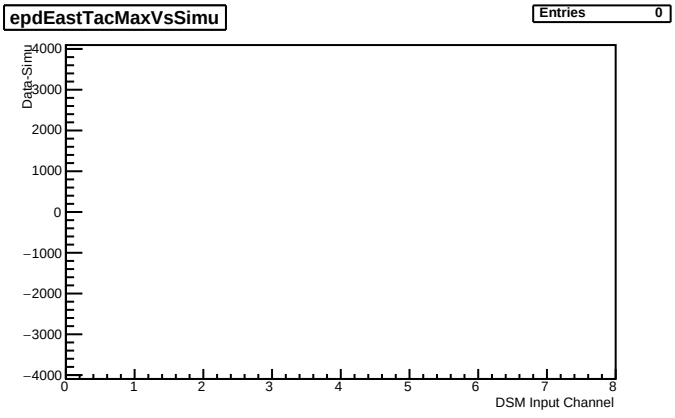
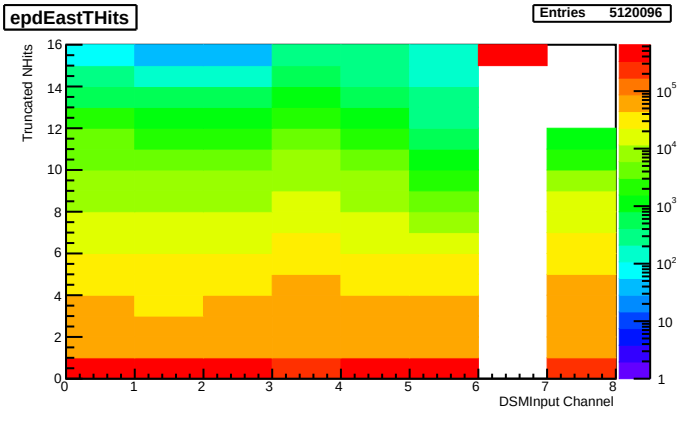
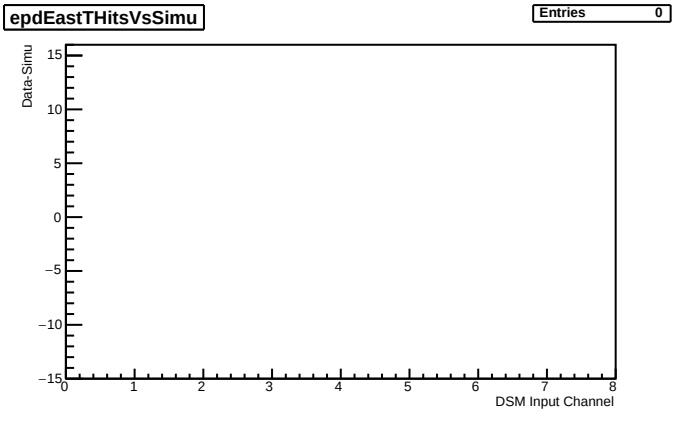

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 5120096
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 5120096
Truncated NHits
DSMInput Channel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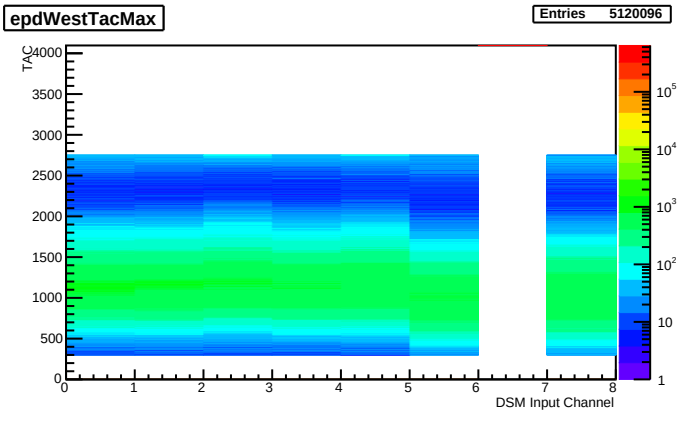
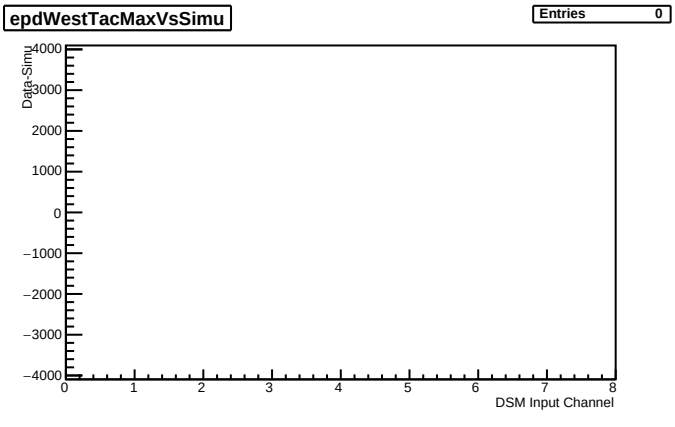
DSM Input Channel


epdWestTacMax
Entries 5120096
TAC
DSM Input Channel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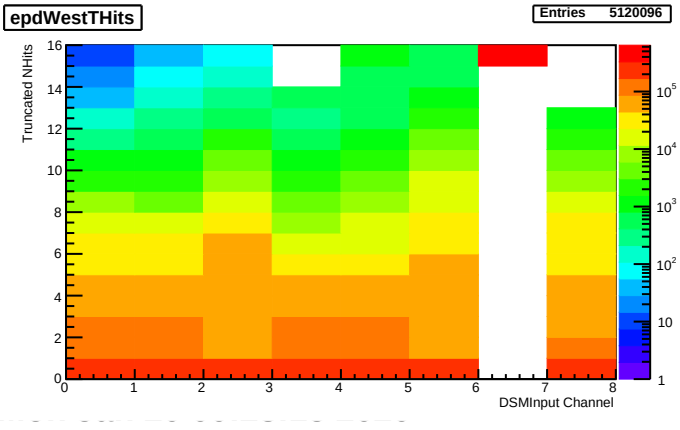
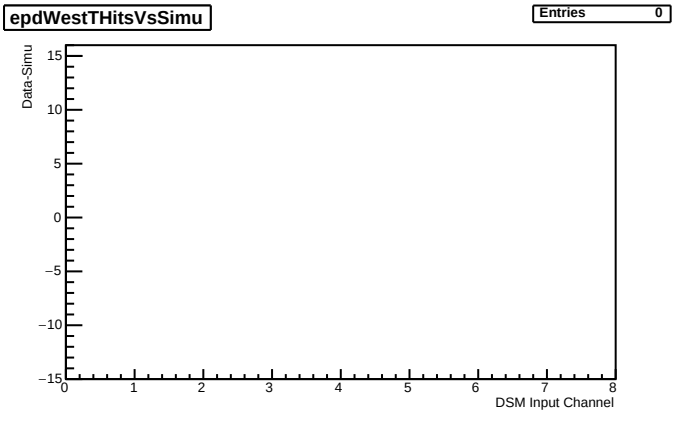
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 5120096
Truncated NHits
DSMInput Channel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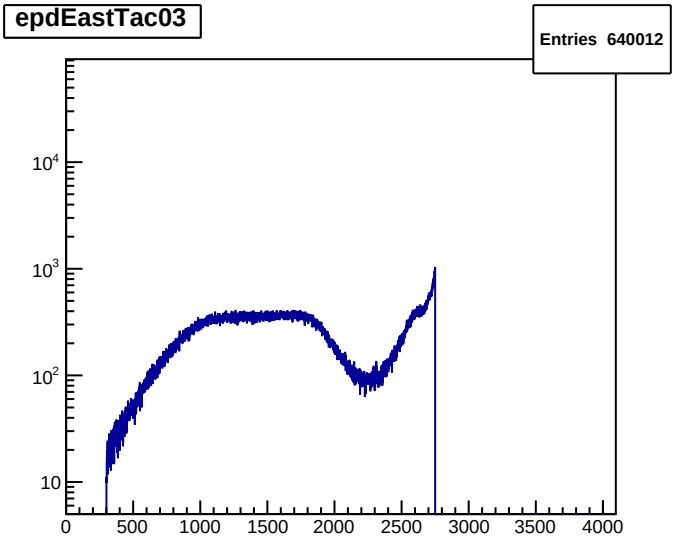
Data-Simu
DSM Input Channel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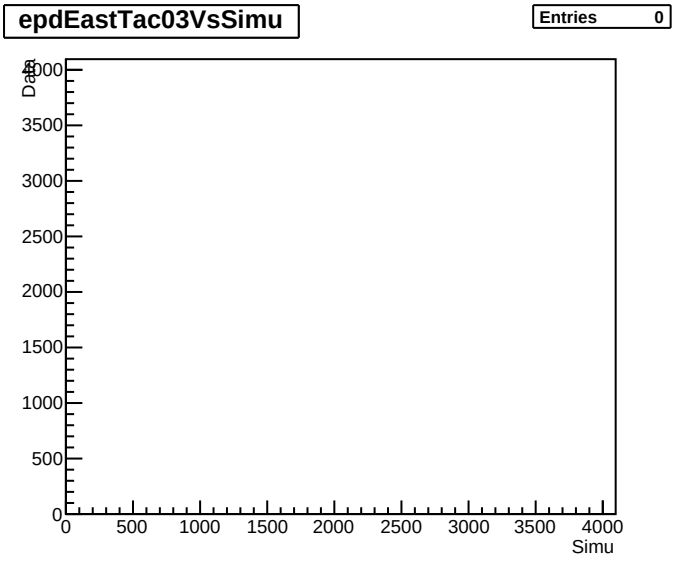
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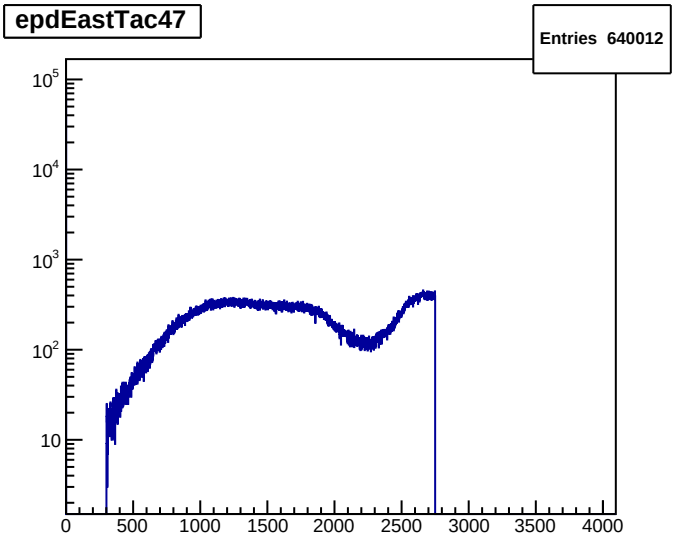
Entries 0
Data
Simu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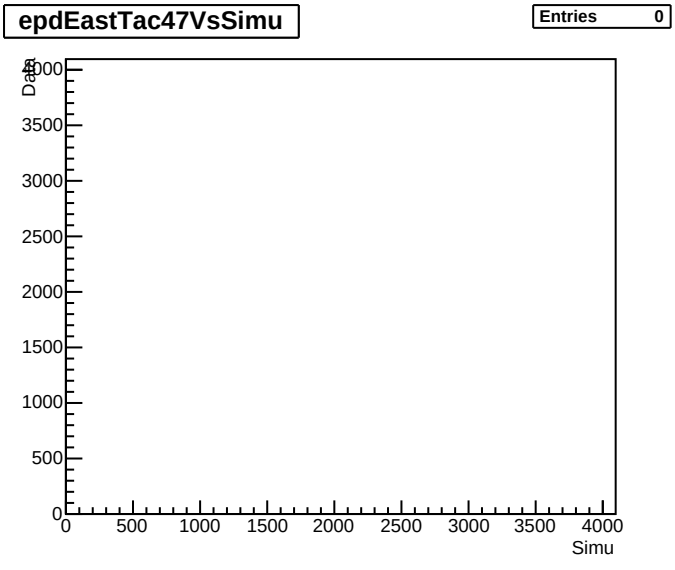
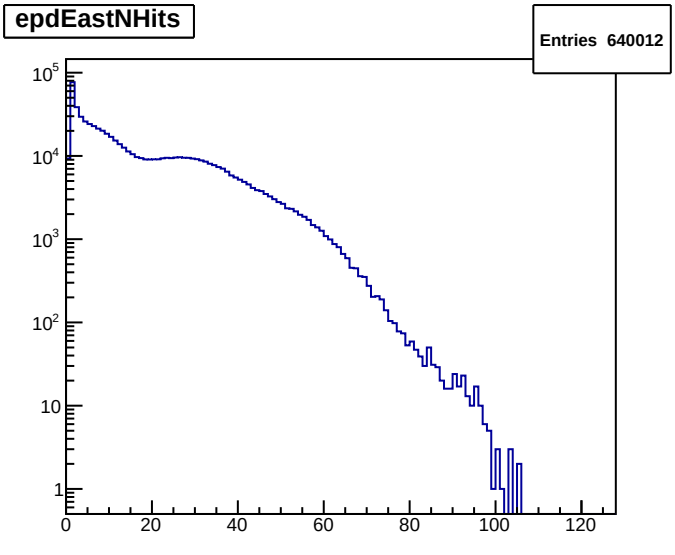
Entries 640012


epdEastTac47VsSimu
Entries 0
Data
Simu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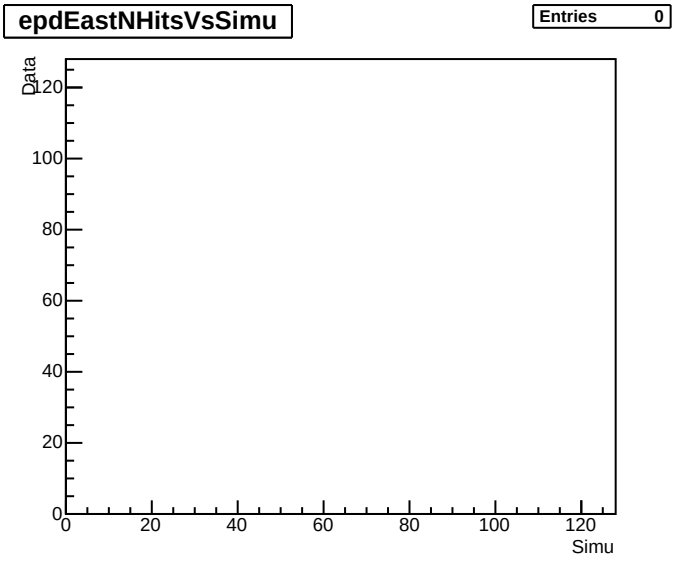
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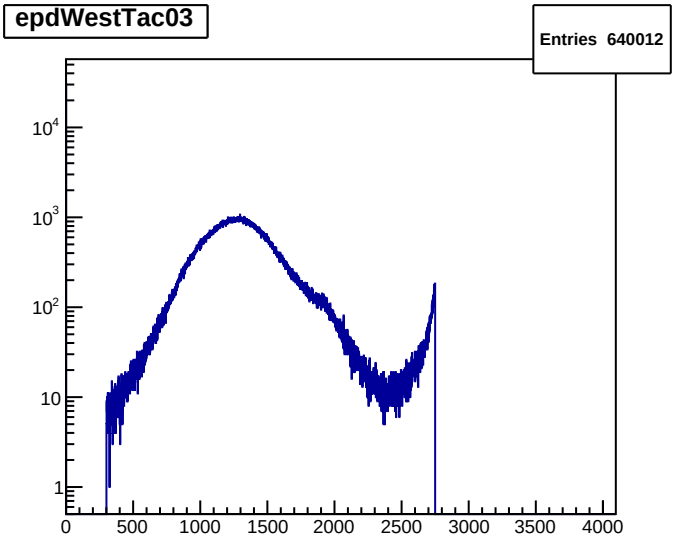
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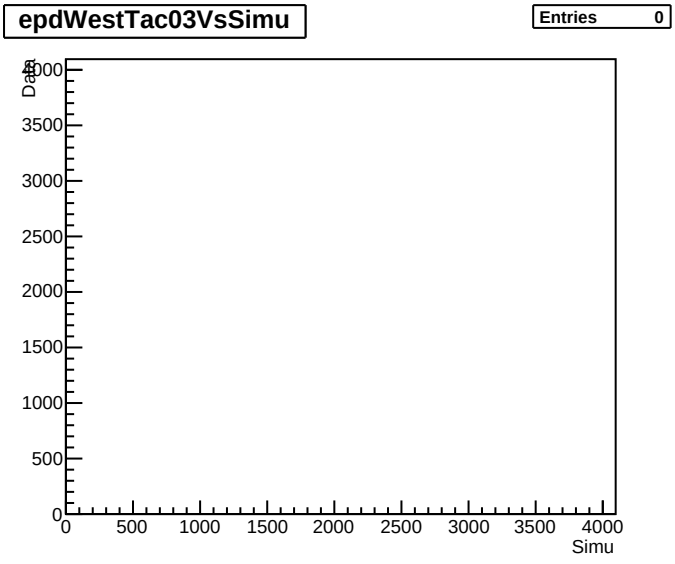
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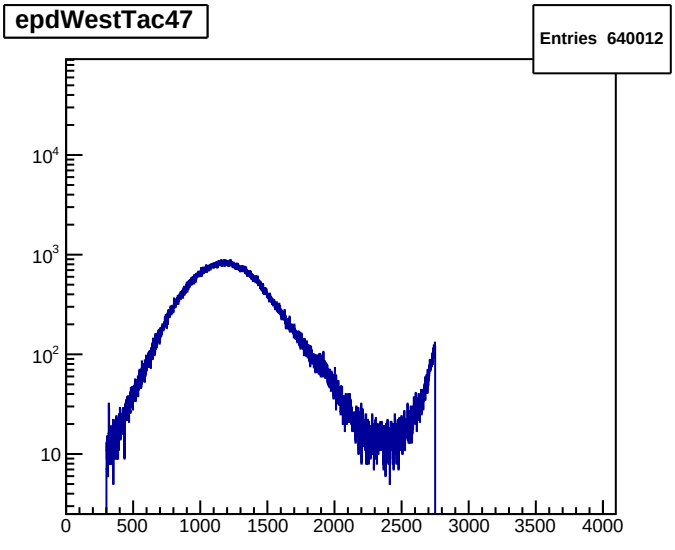
Entries 0
Data
Simu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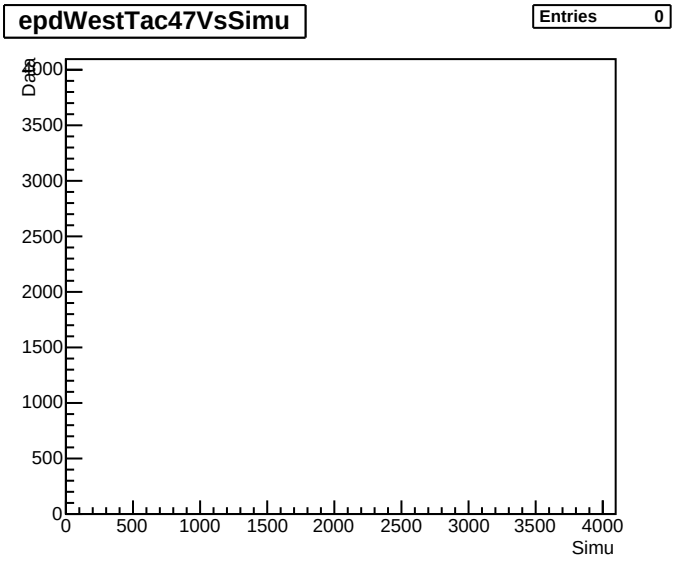
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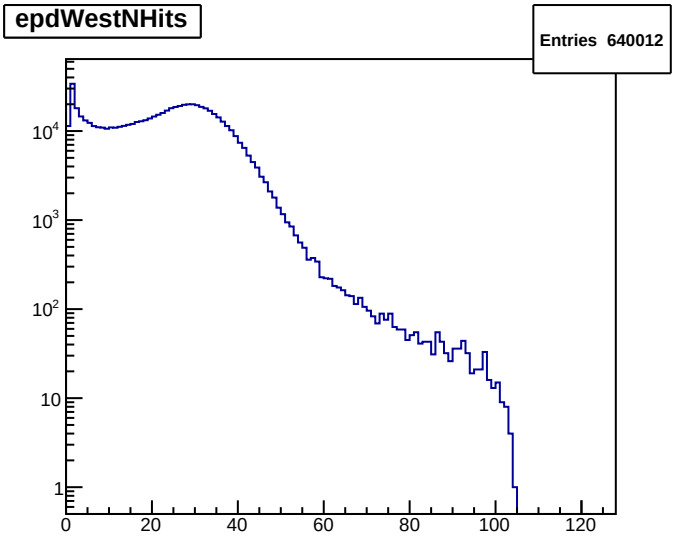
Data
Simu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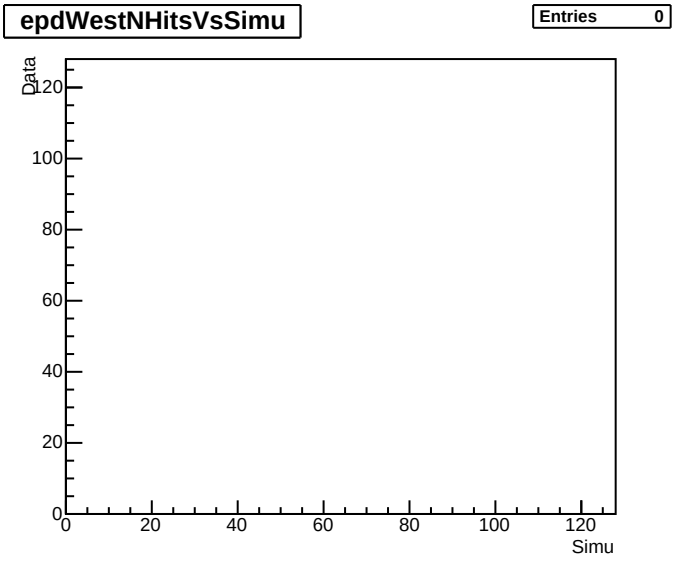
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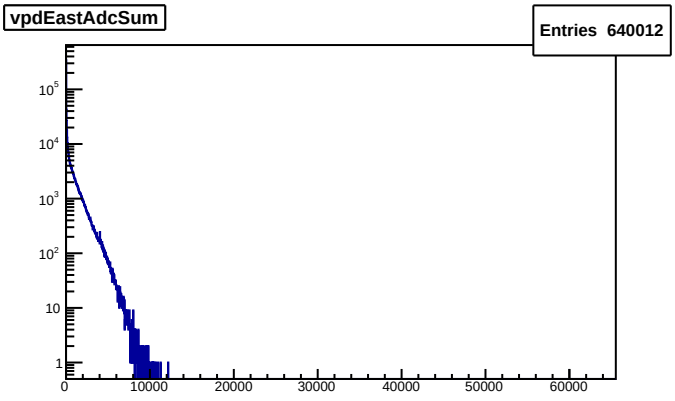
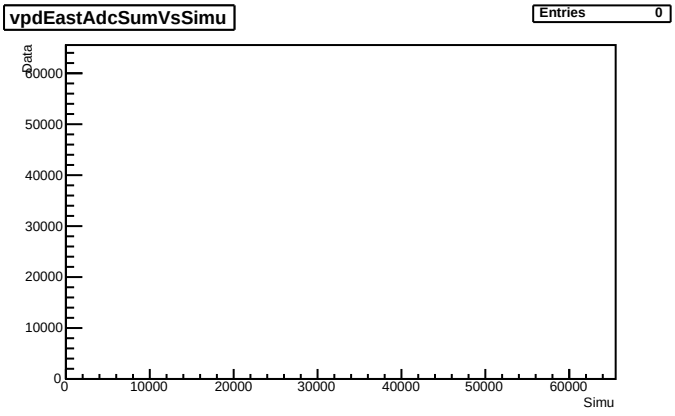
Entries 0
Data
Simu


vpdEastAdcSum
Entries 640012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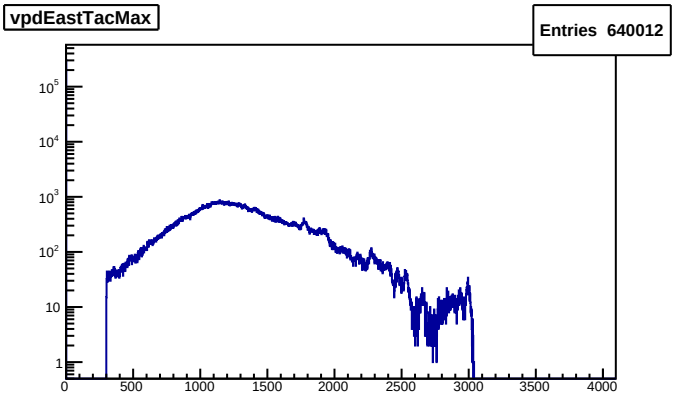
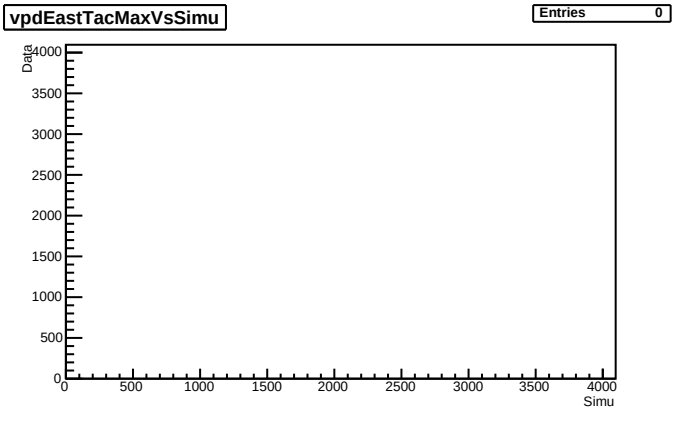
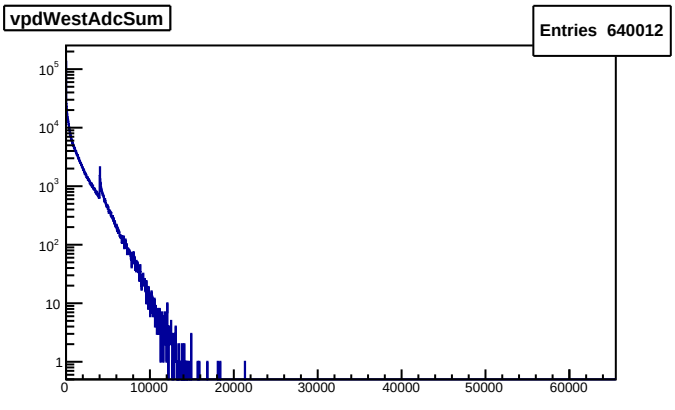
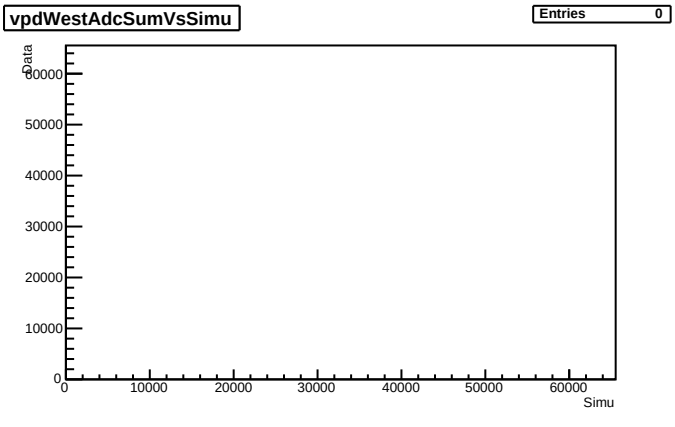
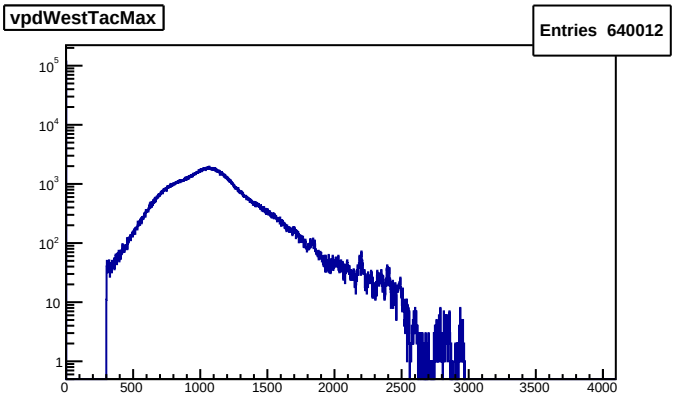
Entries 0
Data
Simu

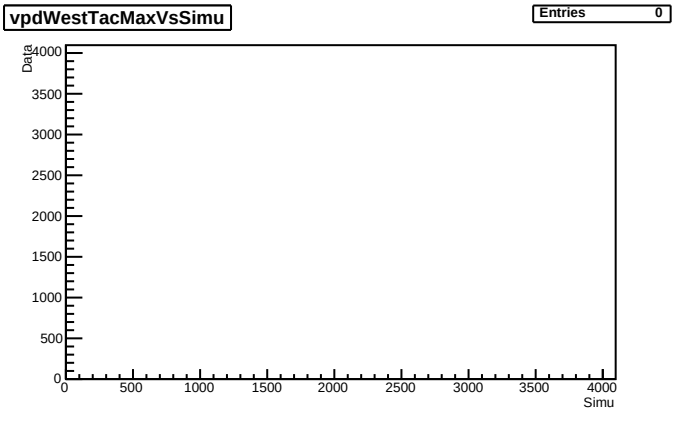

vpdEastTacMax
Entries 640012

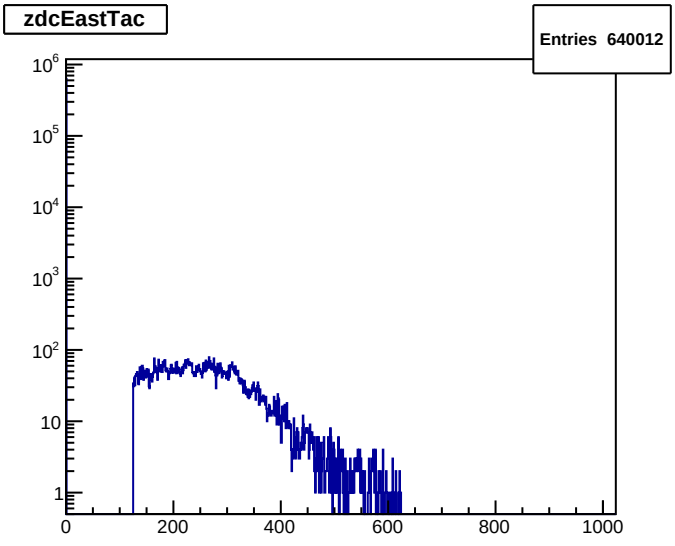

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

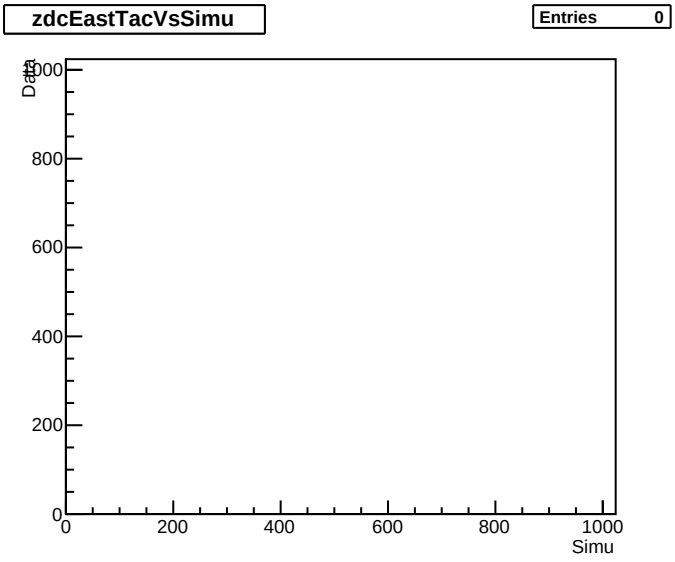

vpdWestAdcSum
Entries 640012

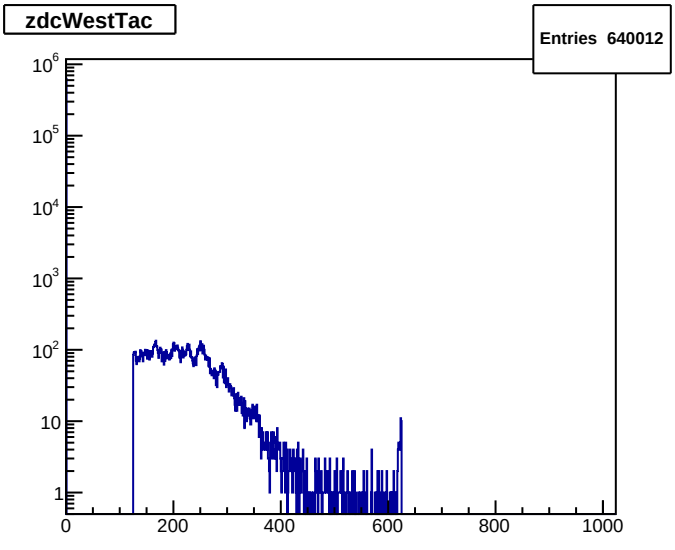

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

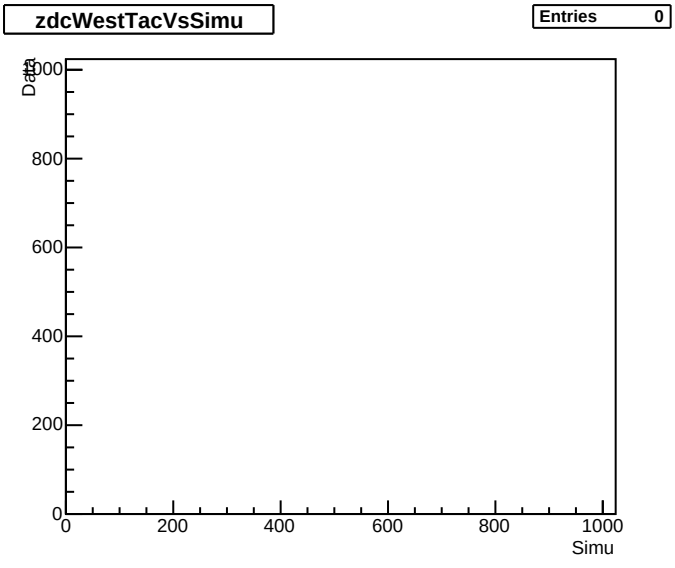

vpdWestTacMax
Entries 640012

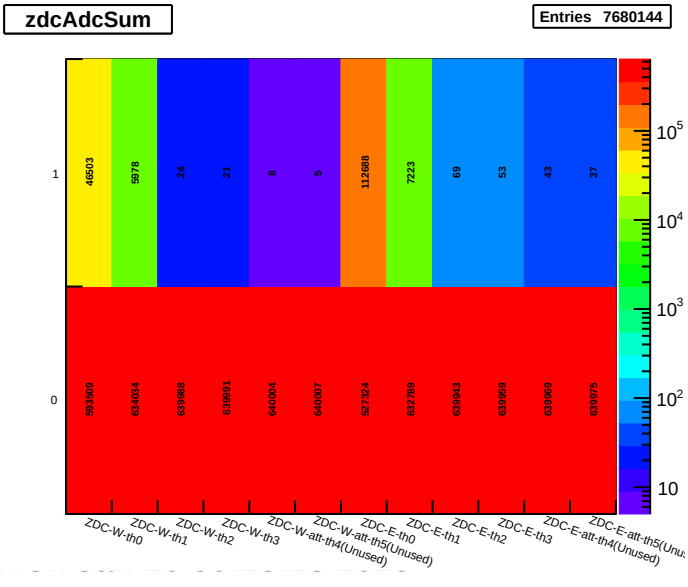

vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 640012


zdcEastTacVsSimu
Entries 0
Data
Simu


zdcWestTac
Entries 640012


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 7680144
46503
5978
24
21
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112688
7223
69
53
43
37
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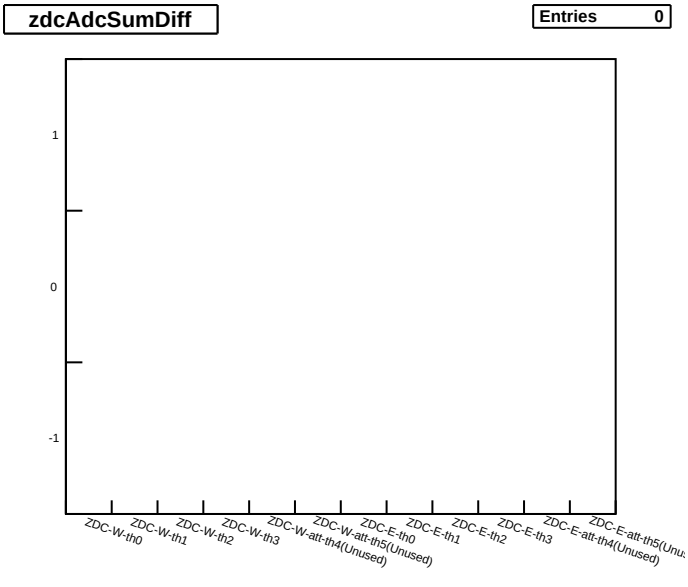
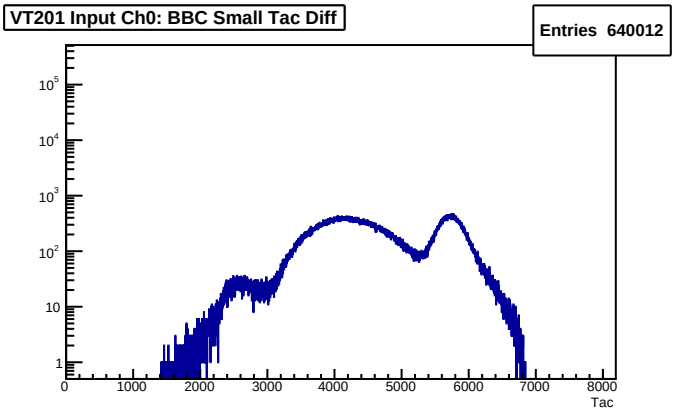
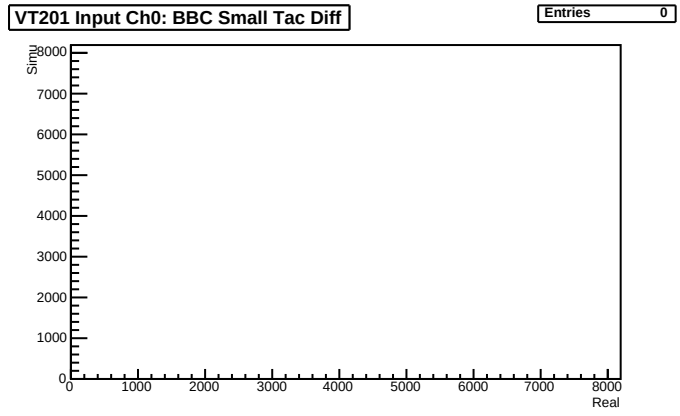
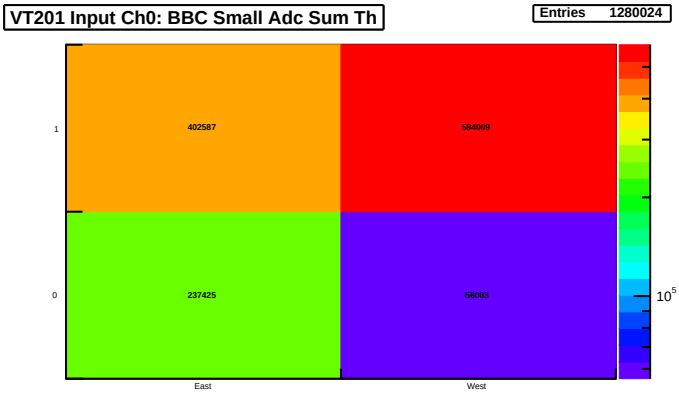
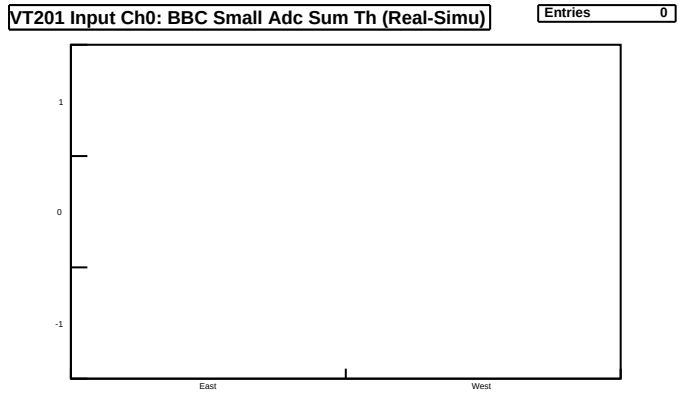
634034
639988
639991
640004
640007
527324
632789
639943
639959
639969
639975
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

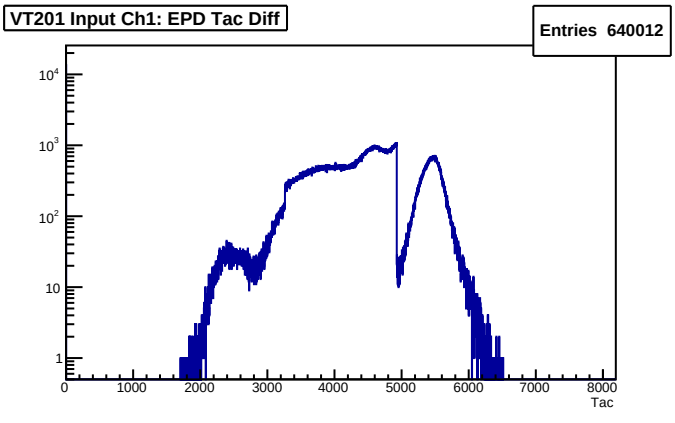

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

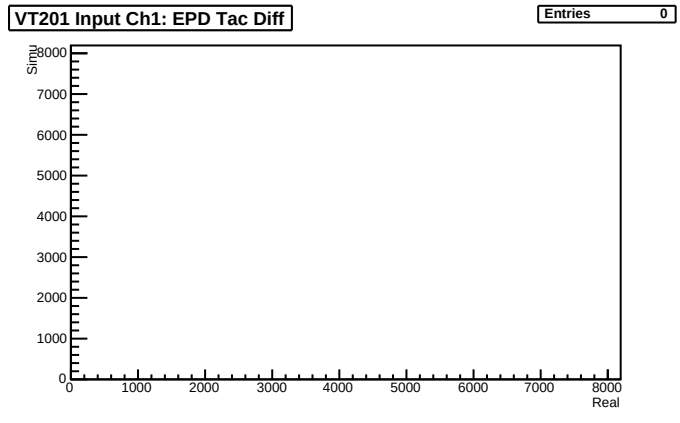

VT201 Input Ch0: BBC Small Tac Diff
Entries 640012
Tac

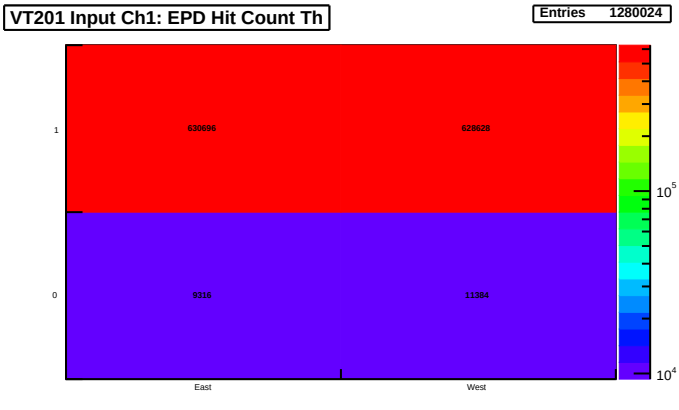

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

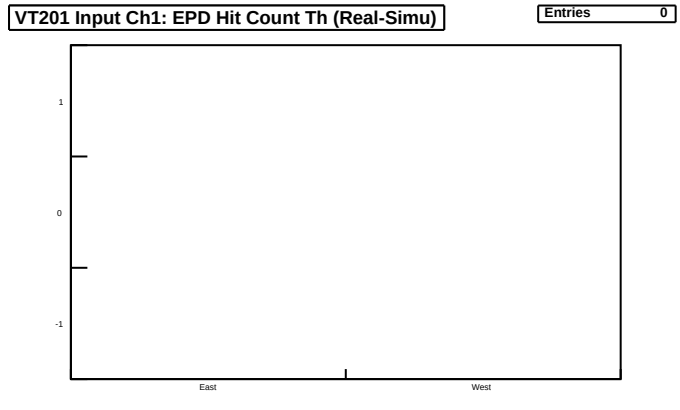

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1280024
402587
584009
237425
56003
East
West

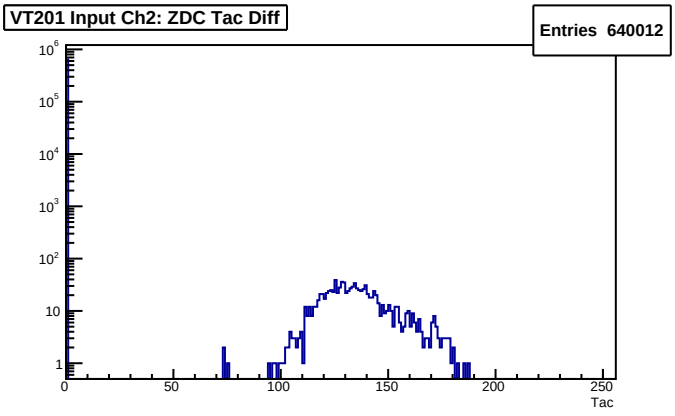

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

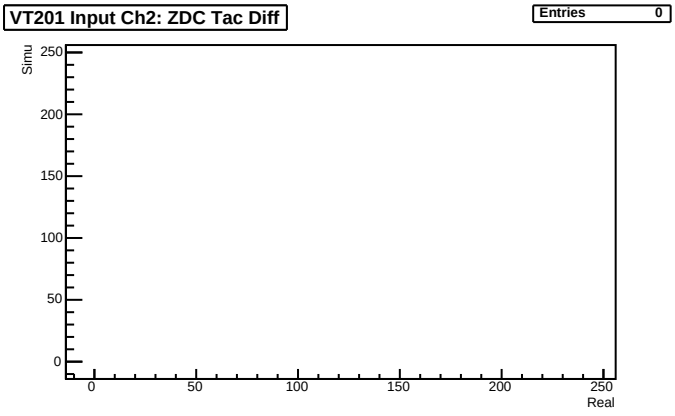

VT201 Input Ch1: EPD Tac Diff
Entries 640012
Tac

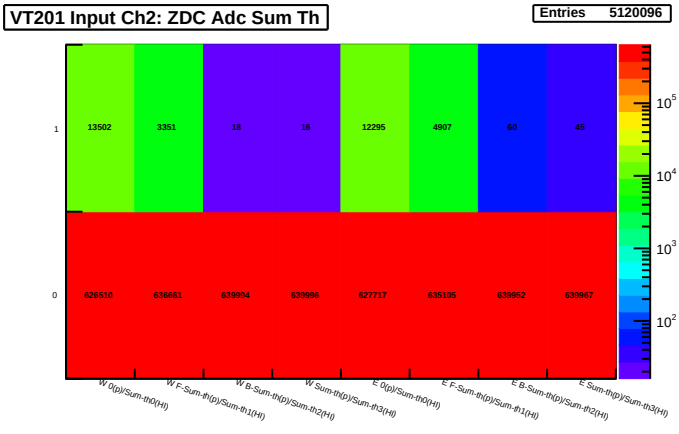

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

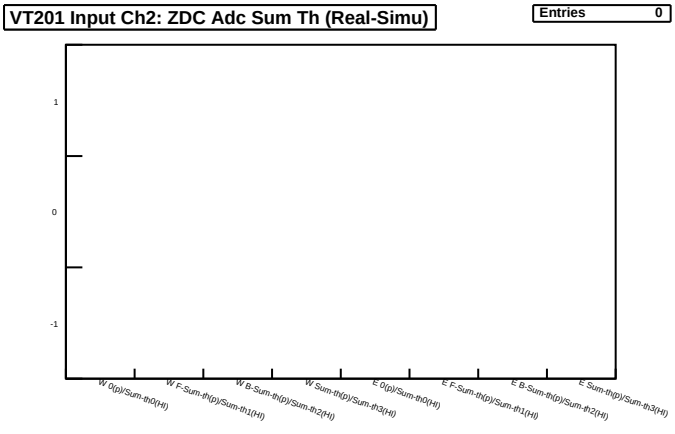

VT201 Input Ch1: EPD Hit Count Th
Entries 1280024
630696
628628
9316
11384
East
West

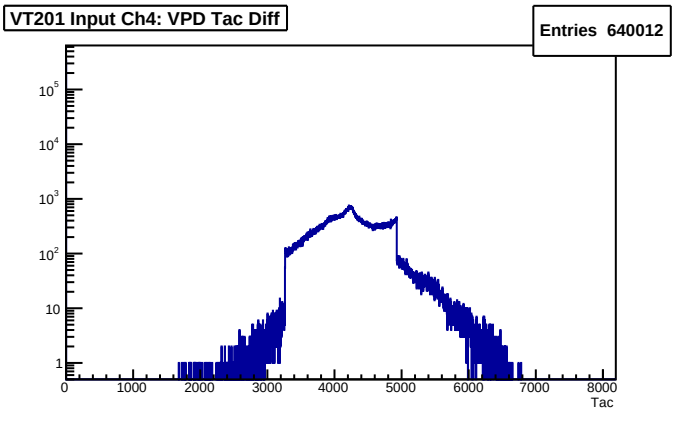

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

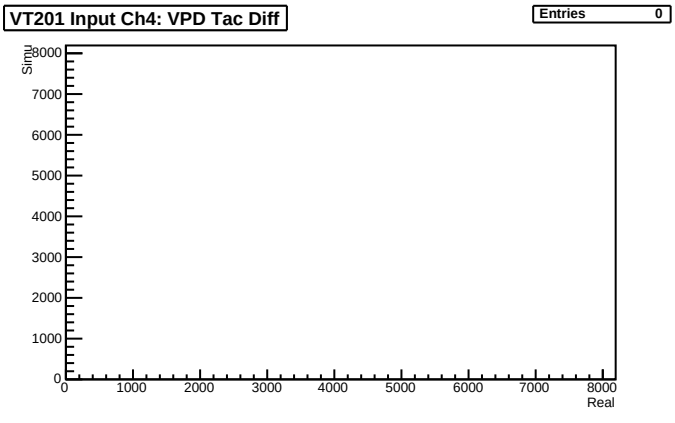

VT201 Input Ch2: ZDC Tac Diff
Entries 640012
Tac

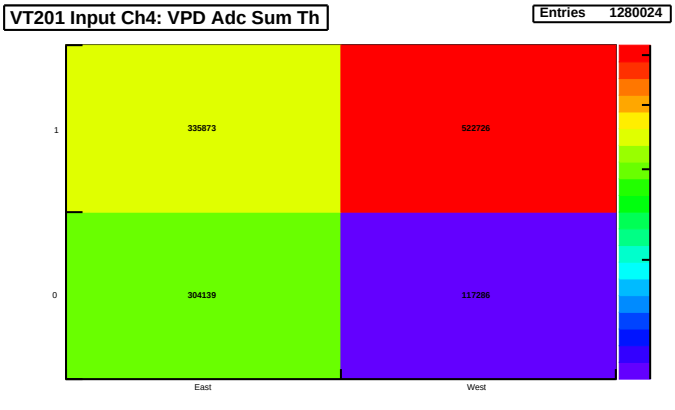

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

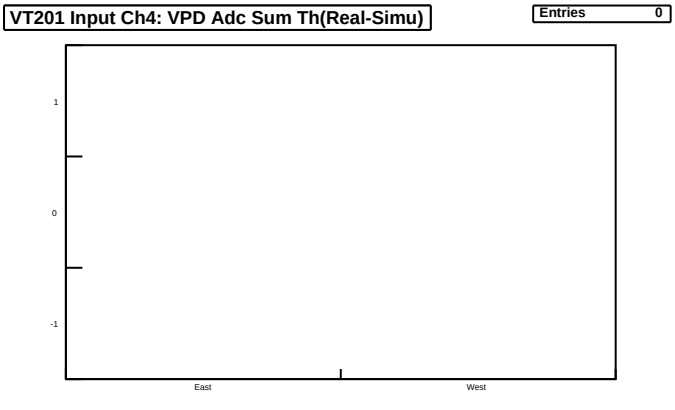

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5120096
13502
3351
18
16
12295
4907
60
45
626510
636661
639994
639996
627717
635105
639952
639967
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

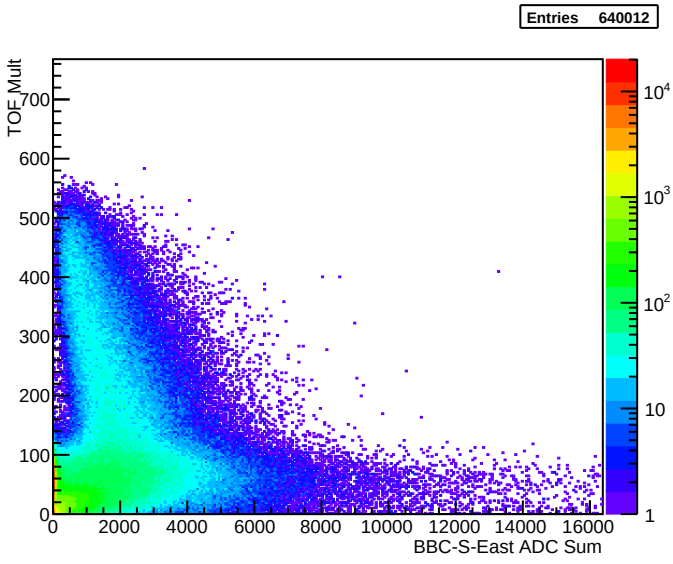

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

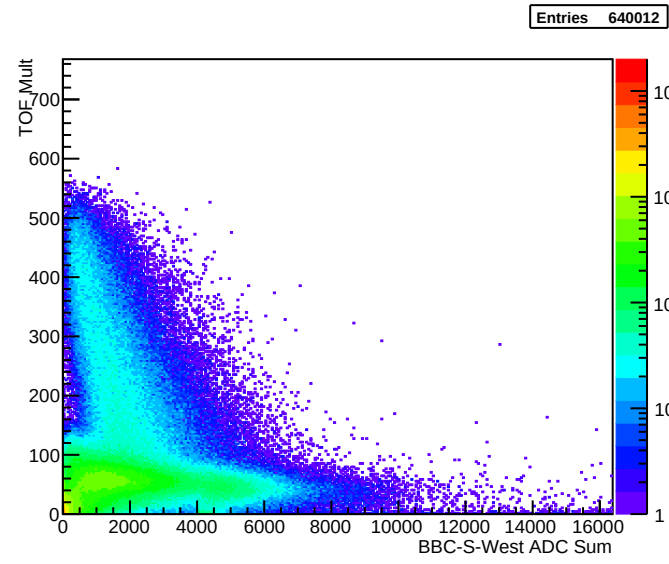

VT201 Input Ch4: VPD Tac Diff
Entries 640012
Tac

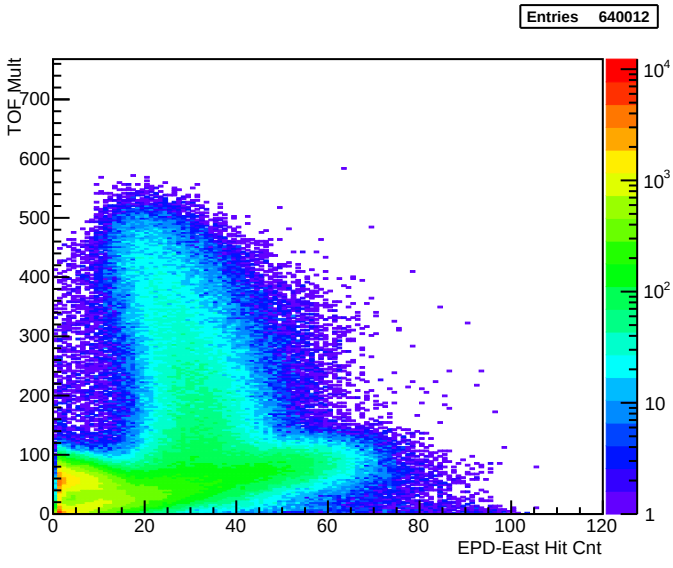

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

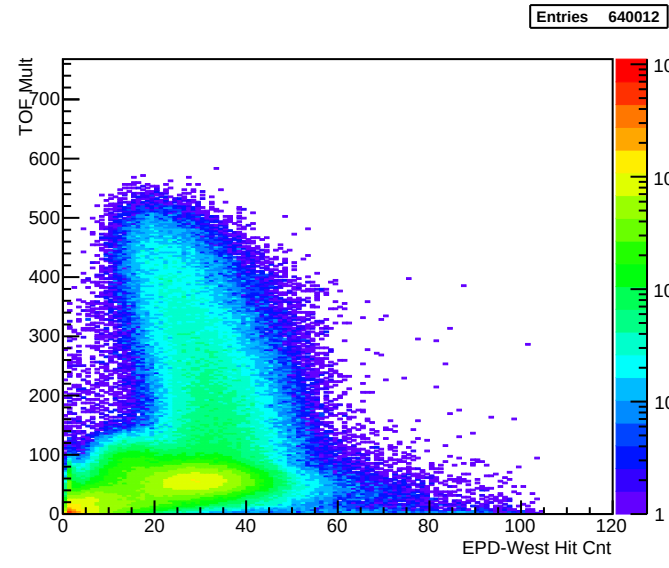

VT201 Input Ch4: VPD Adc Sum Th
Entries 1280024
335873
522726
304139
117286
East
West

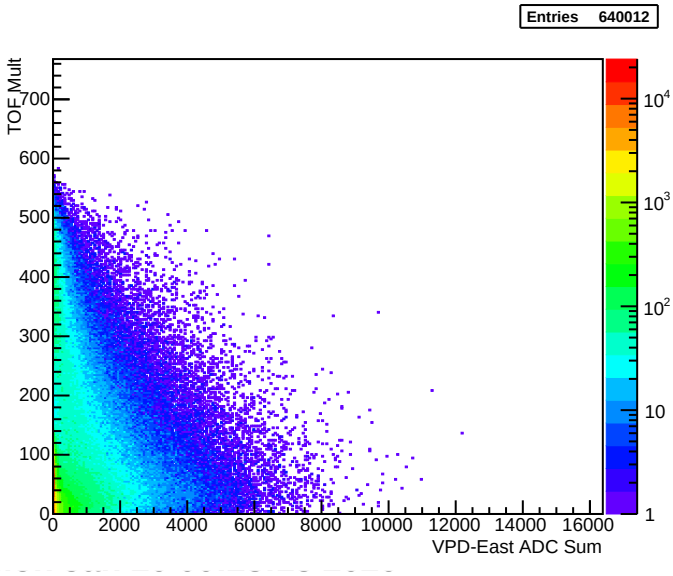

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

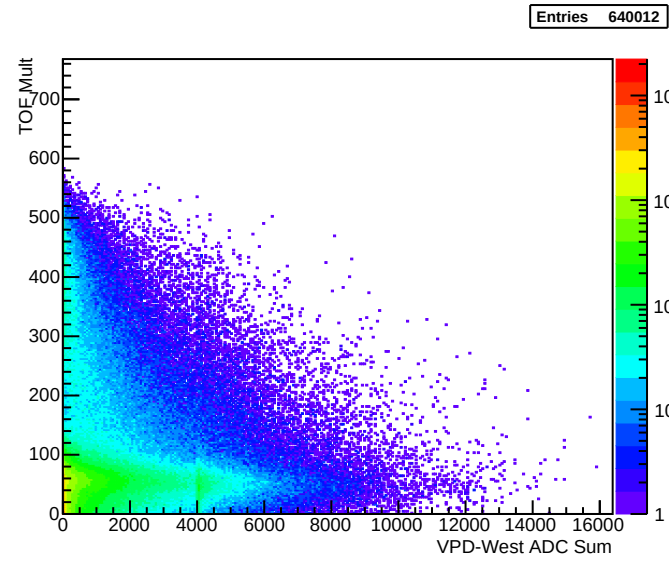

Entries 640012
TOF_Mult
BBC-S-East ADC Sum

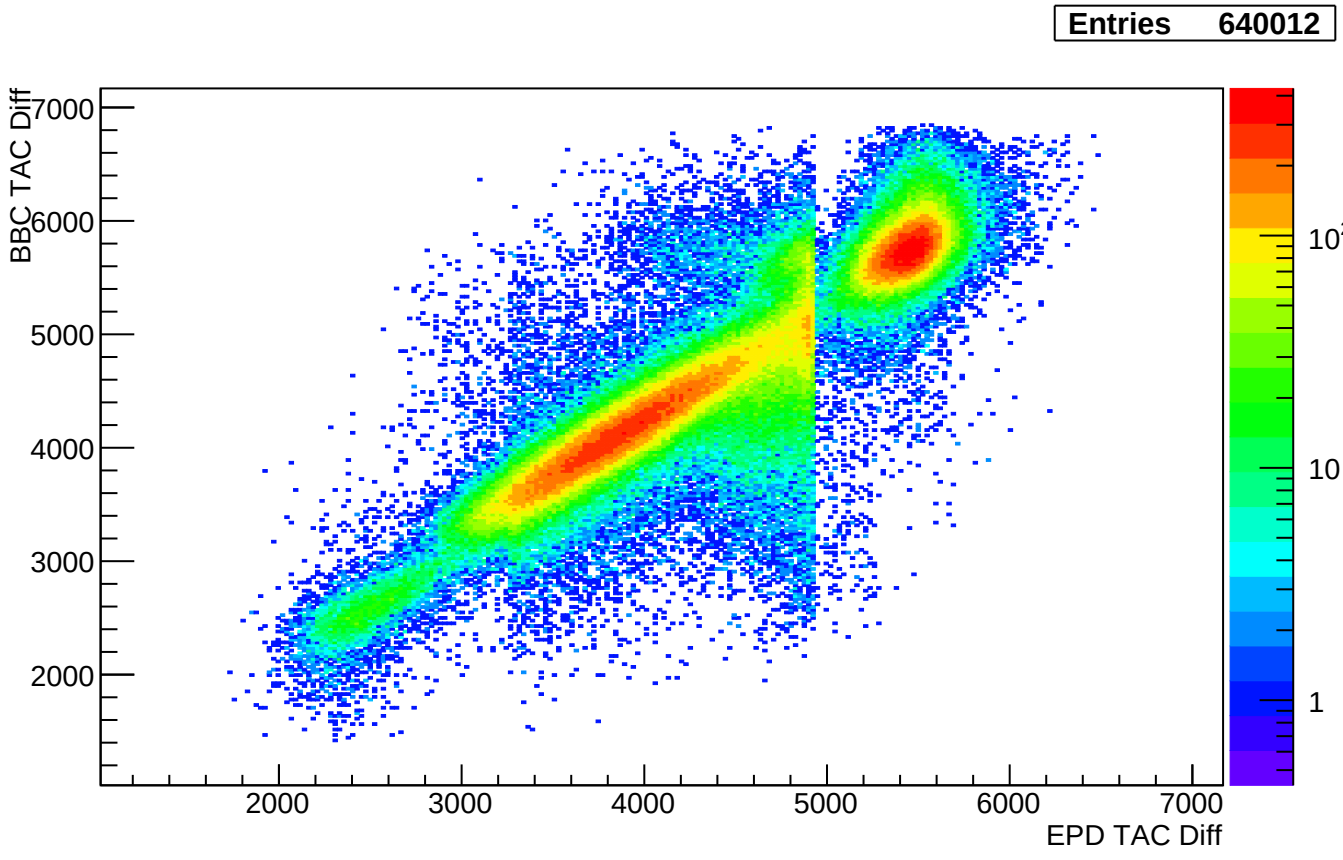

Entries 640012
TOF_Mult
BBC-S-West ADC Sum

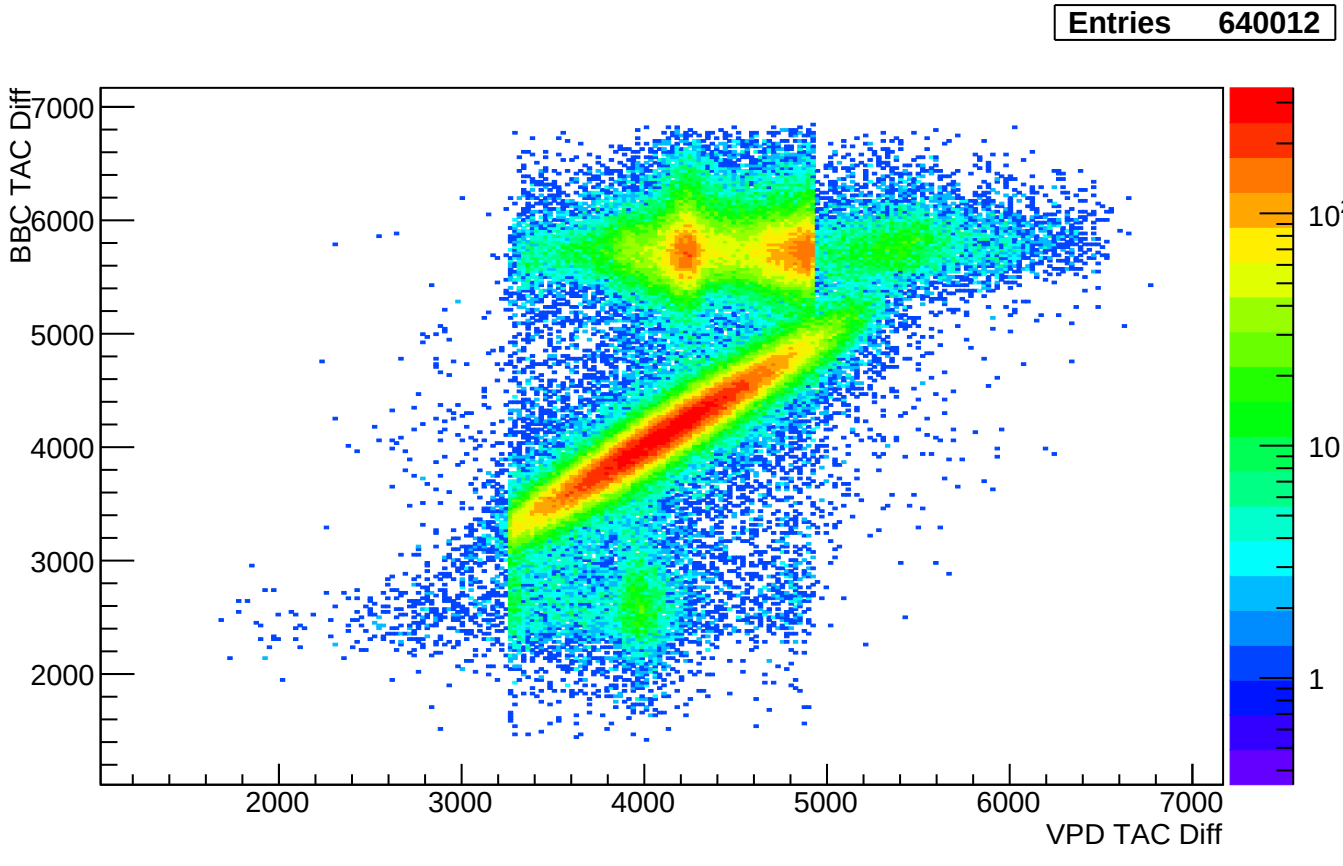

Entries 640012
TOF_Mult
EPD-East Hit Cnt

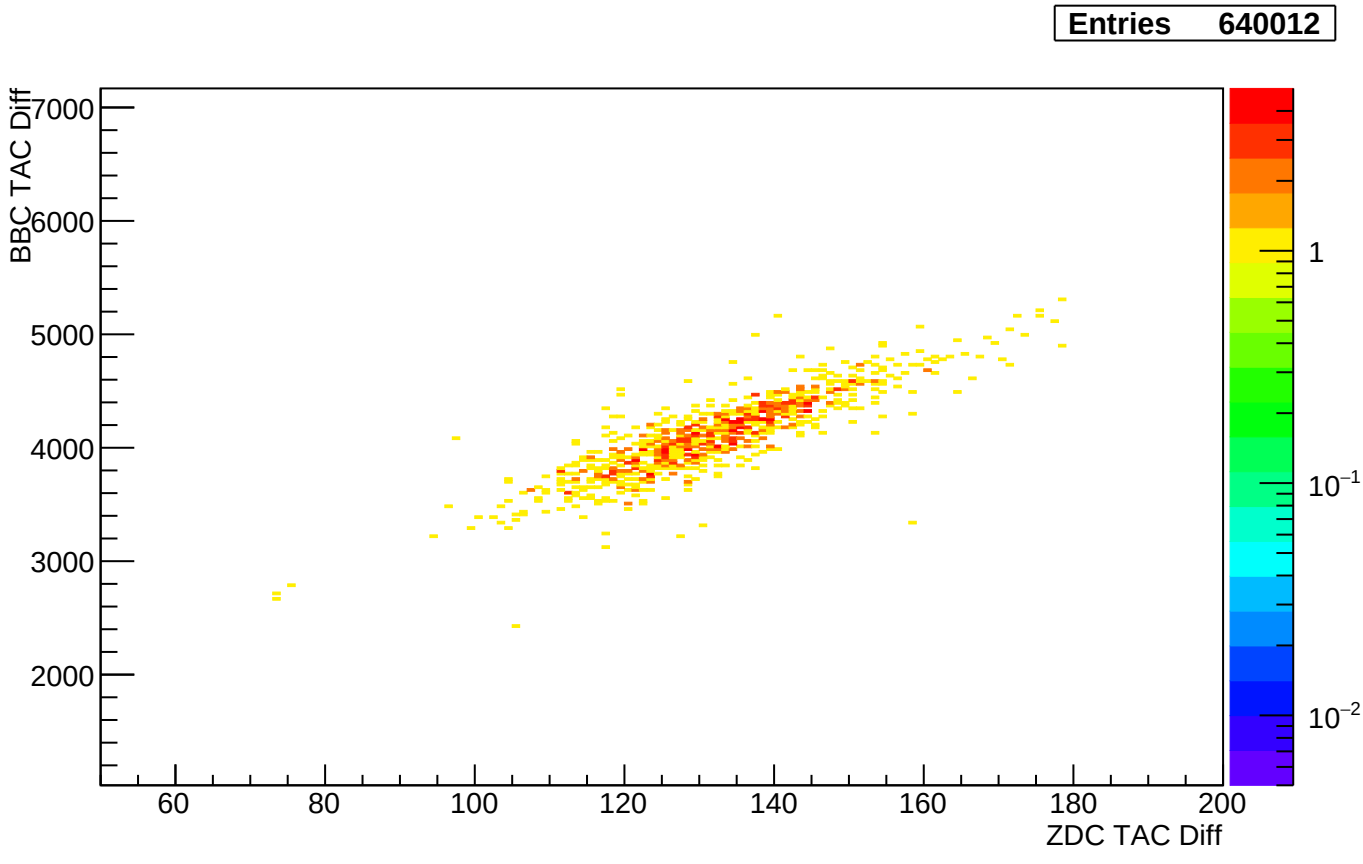

Entries 640012
TOF_Mult
EPD-West Hit Cnt

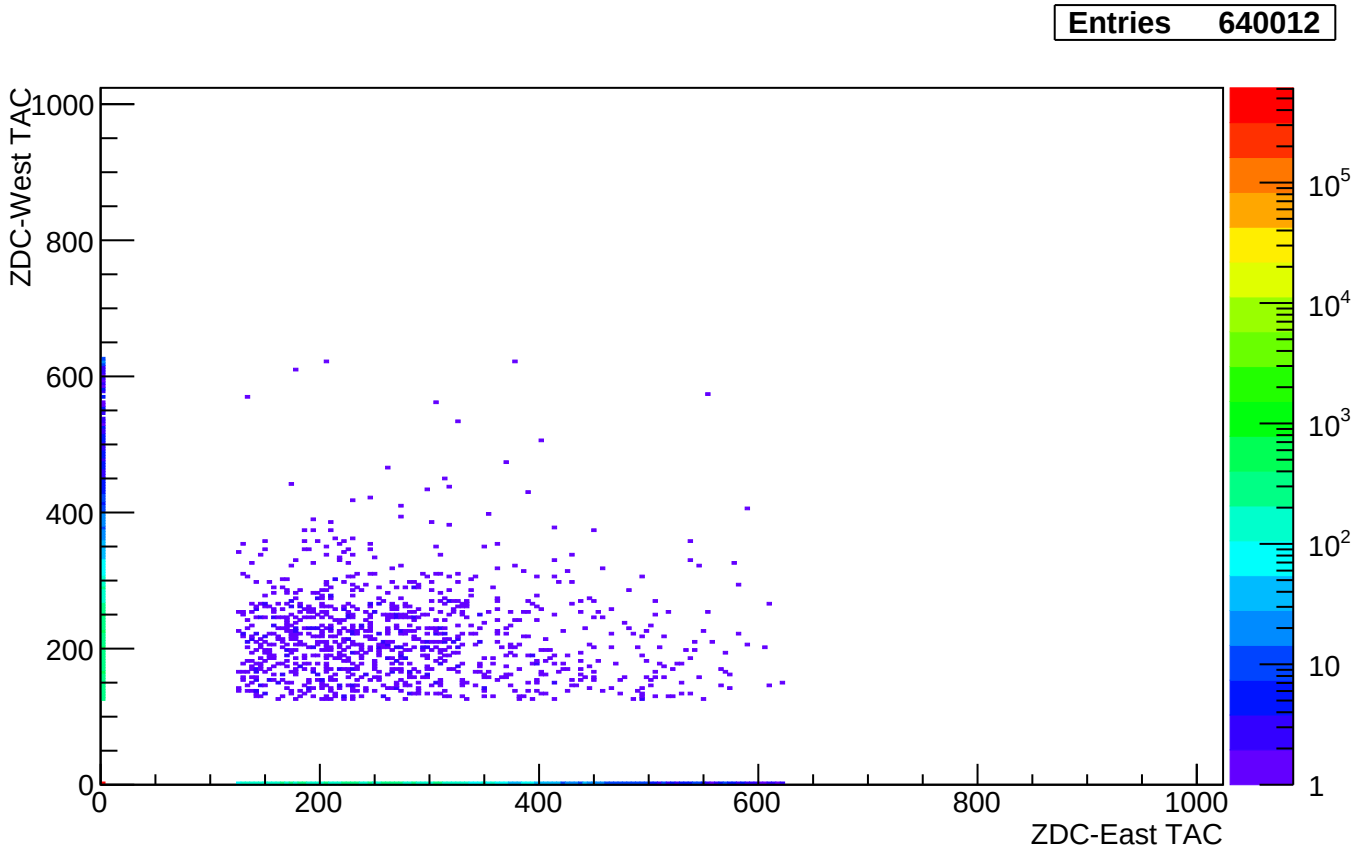

Entries 640012
TOF_Mult
VPD-East ADC Sum

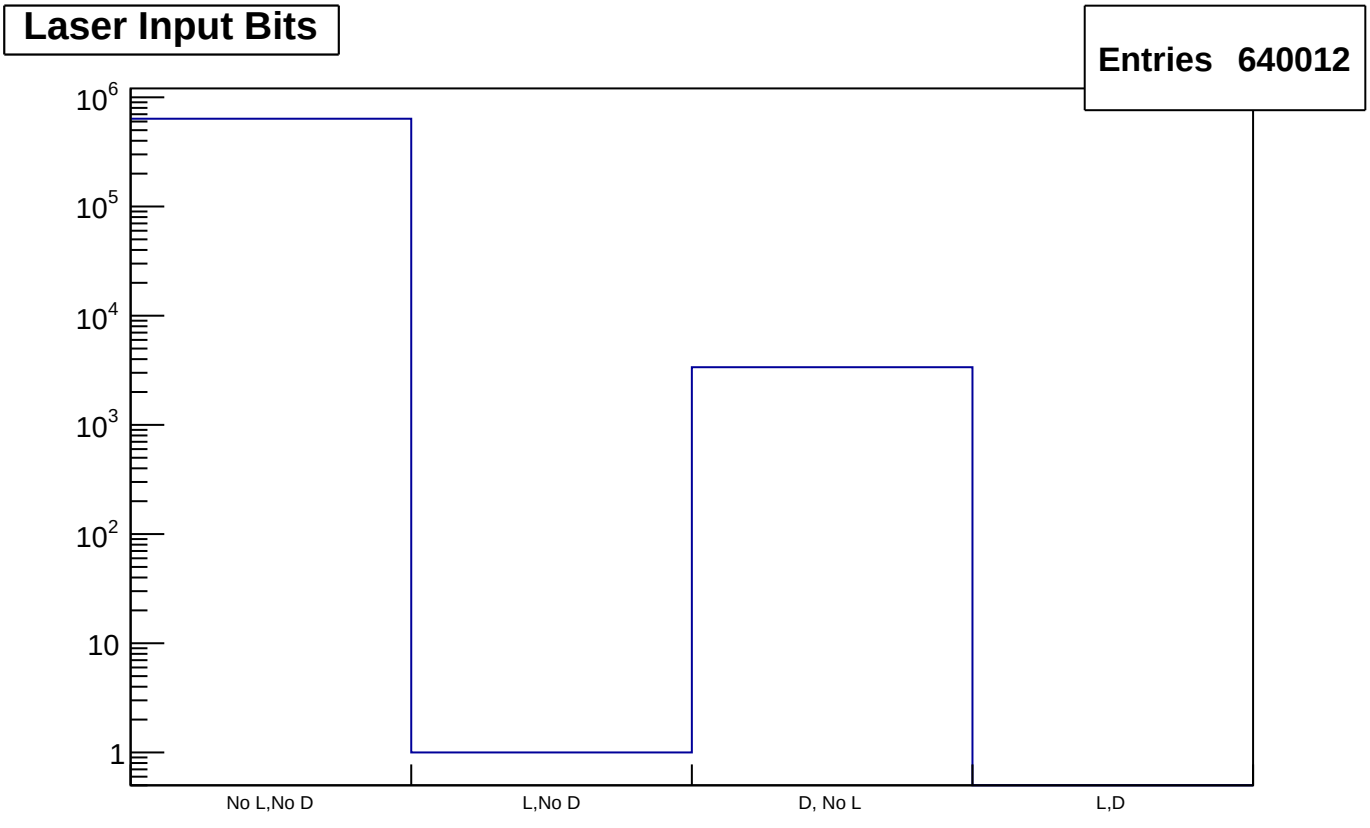

Entries 640012
TOF_Mult
VPD-West ADC Sum

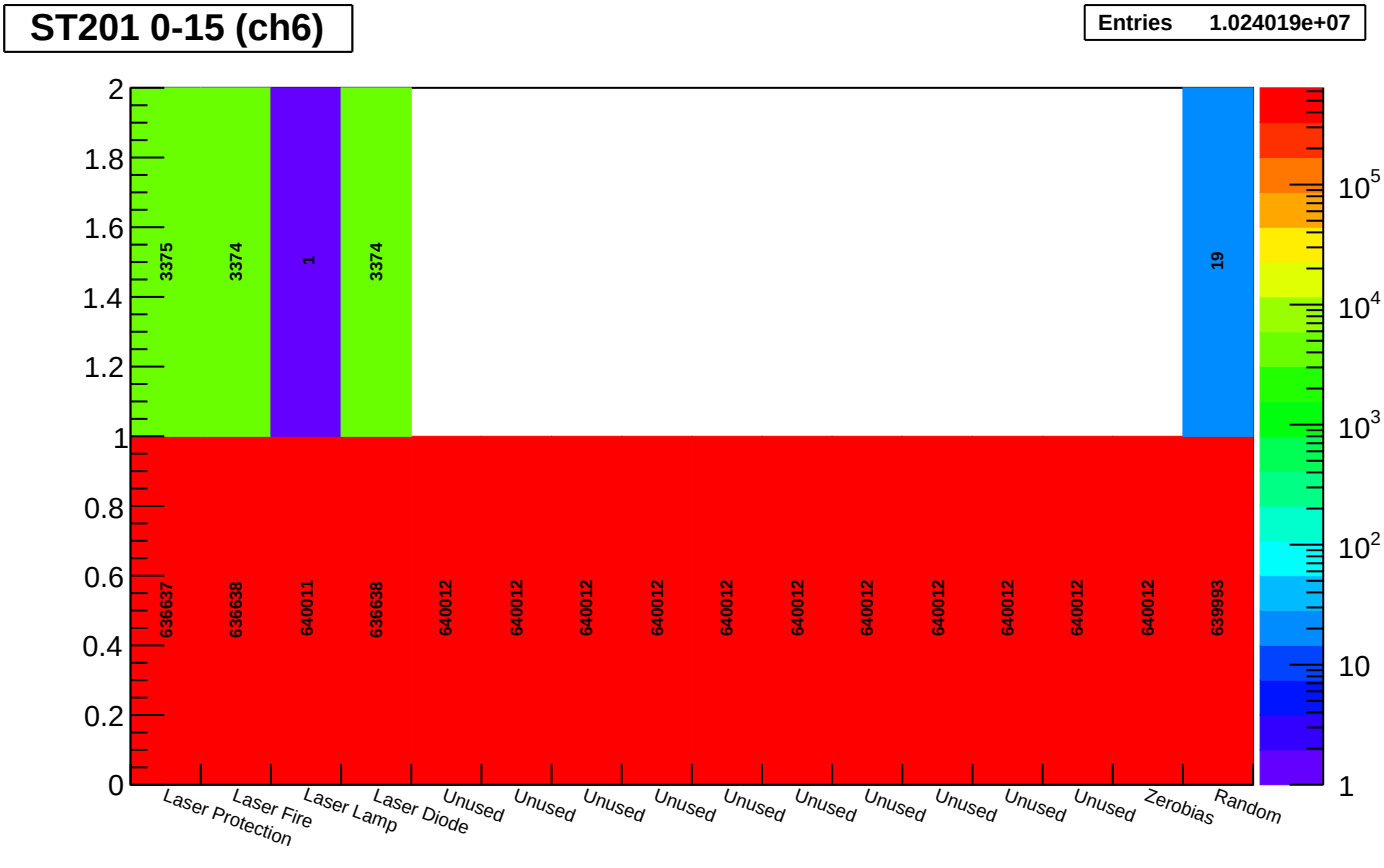

Entries 640012
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

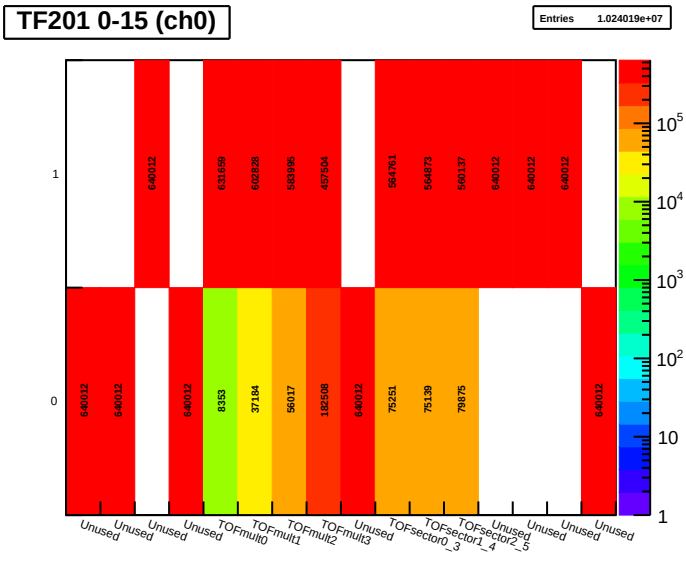

Entries 640012
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

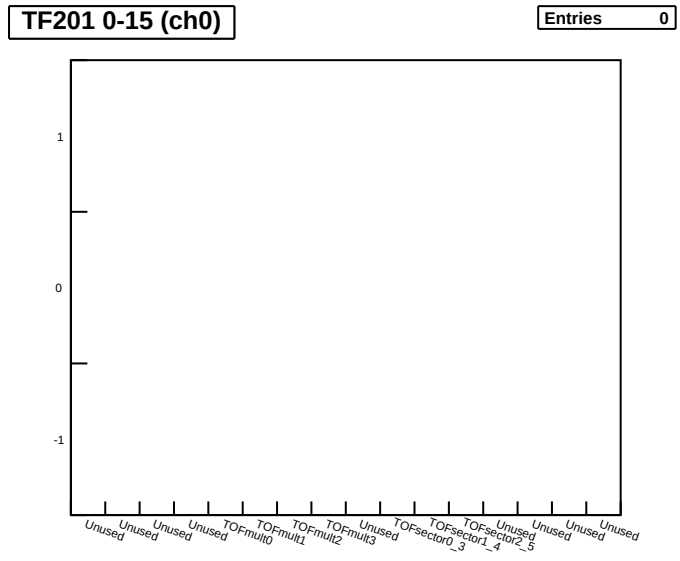

Entries 640012
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

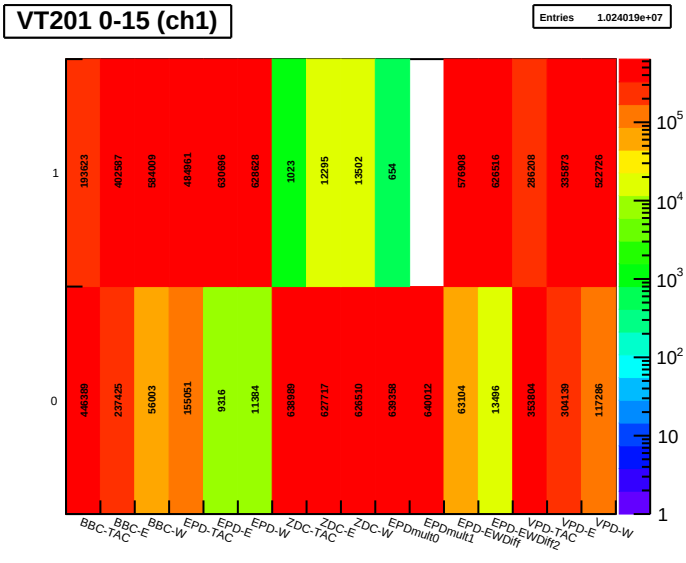

Entries 640012
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

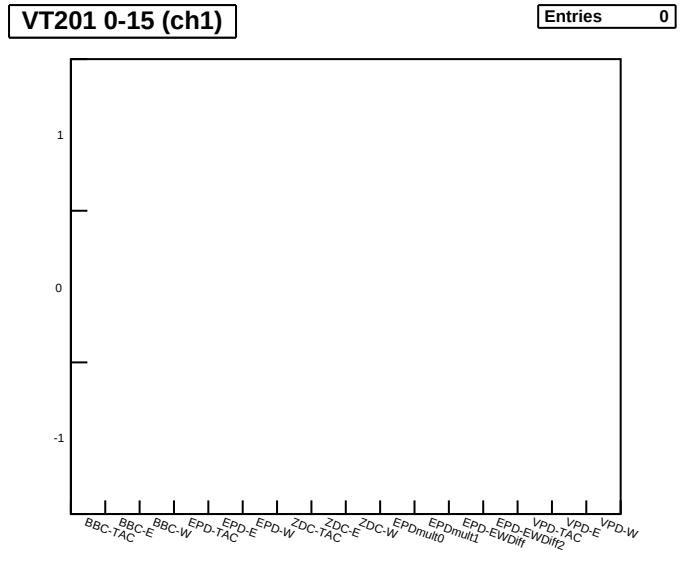

Laser Input Bits
Entries 640012
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

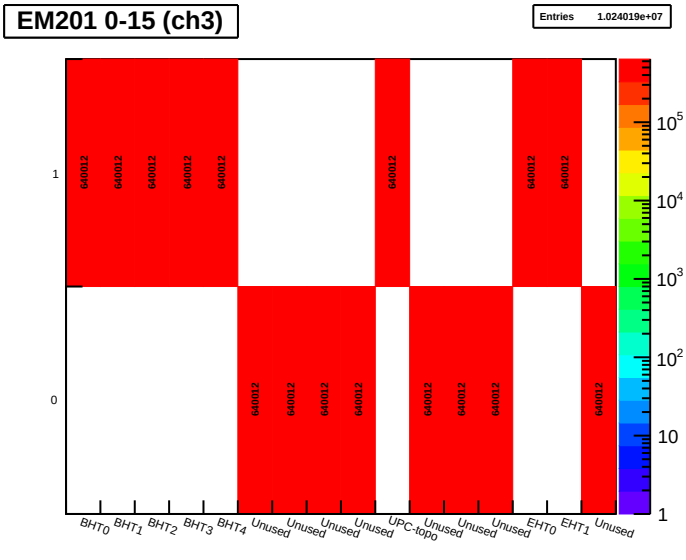

ST201 0-15 (ch6)
Entries 1.024019e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3375
3374
1
3374
19
636637
636638
640011
636638
640012
640012
640012
640012
640012
640012
640012
640012
640012
640012
640012
639993
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

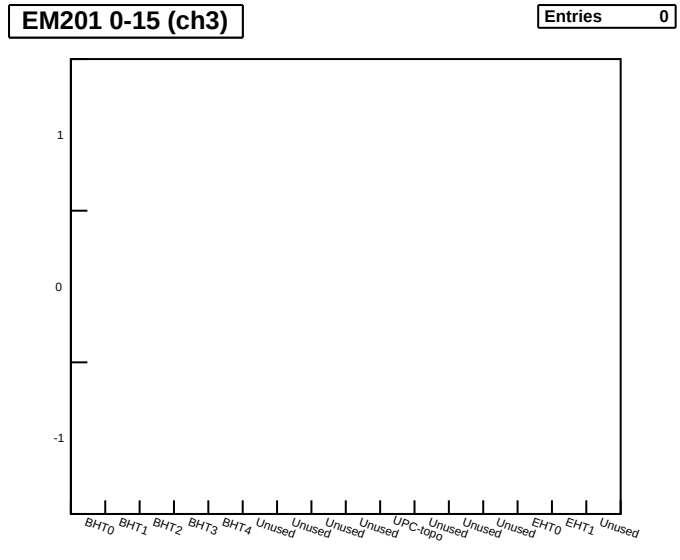

TF201 0-15 (ch0)
Entries 1.024019e+07
640012 631659 602828 583995 457504 564761 564873 560137 640012 640012 640012
640012 640012 640012 8353 37184 56017 182508 640012 75251 75139 79875 640012
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused


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


VT201 0-15 (ch1)
Entries 1.024019e+07
193623 402587 584009 484961 630696 628628 1023 12295 13502 654 576908 626516 286208 335873 522726
446389 237425 56003 155051 9316 11384 638989 627717 626510 639358 640012 63104 13406 353804 304139 117286
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 1.024019e+07
640012 640012 640012 640012 640012 640012 640012 640012 640012
640012 640012 640012 640012 640012 640012 640012 640012
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused


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