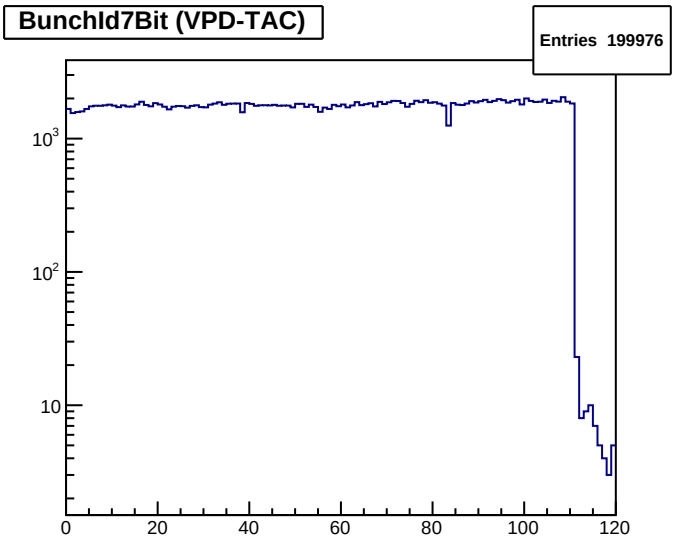
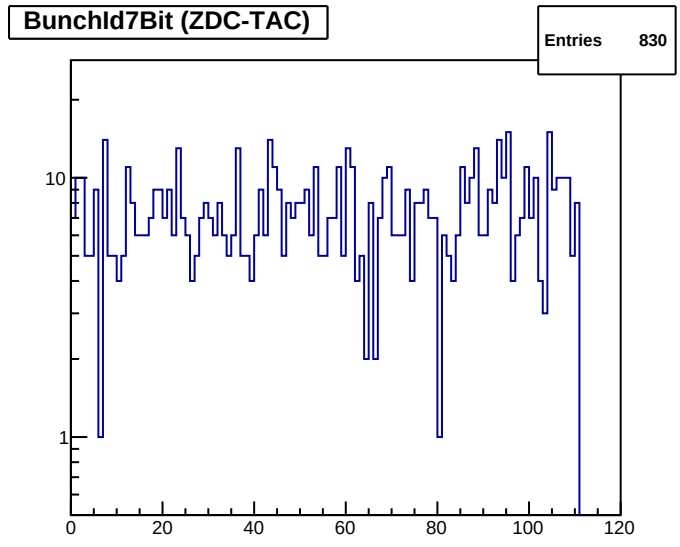
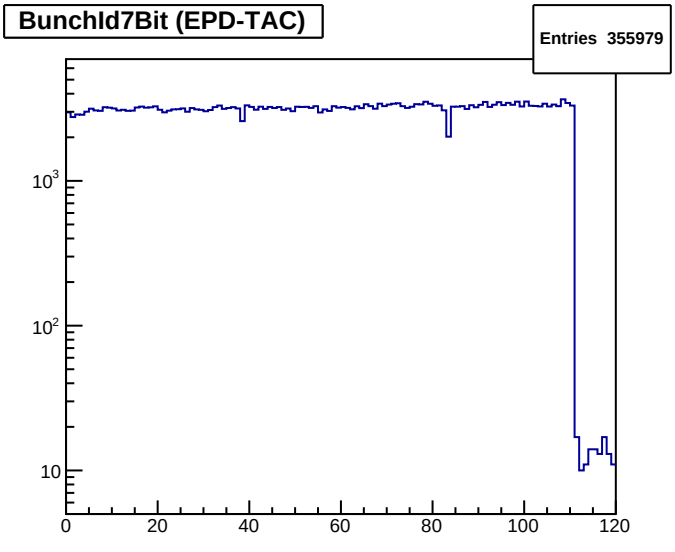
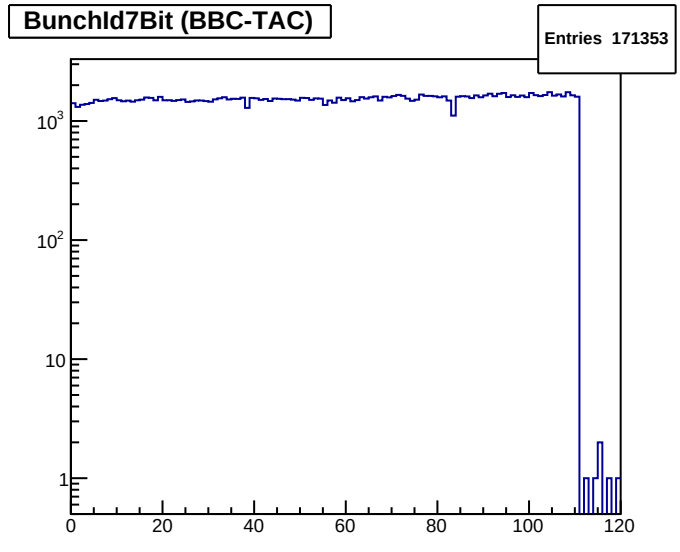
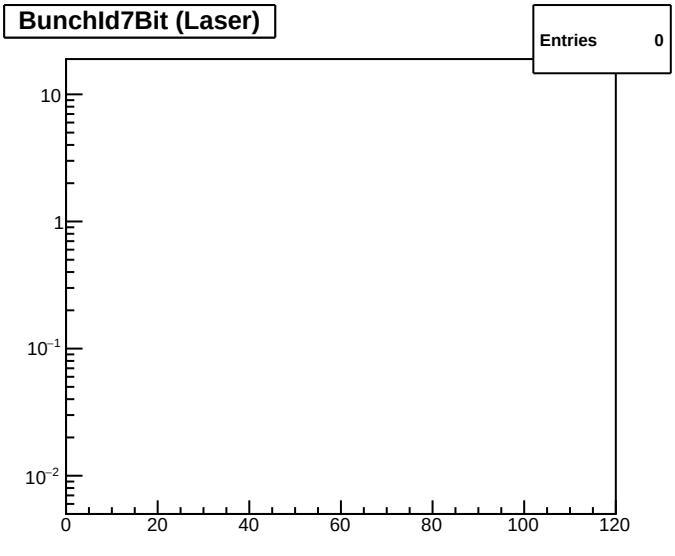
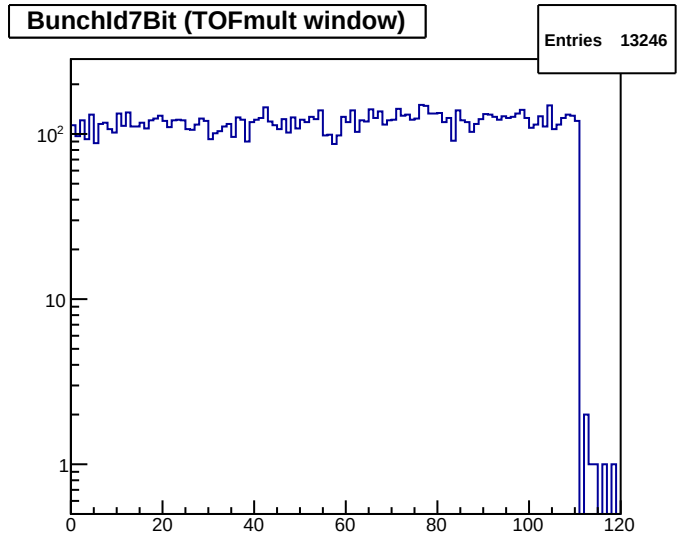

BunchId7Bit (VPD-TAC)
Entries 199976

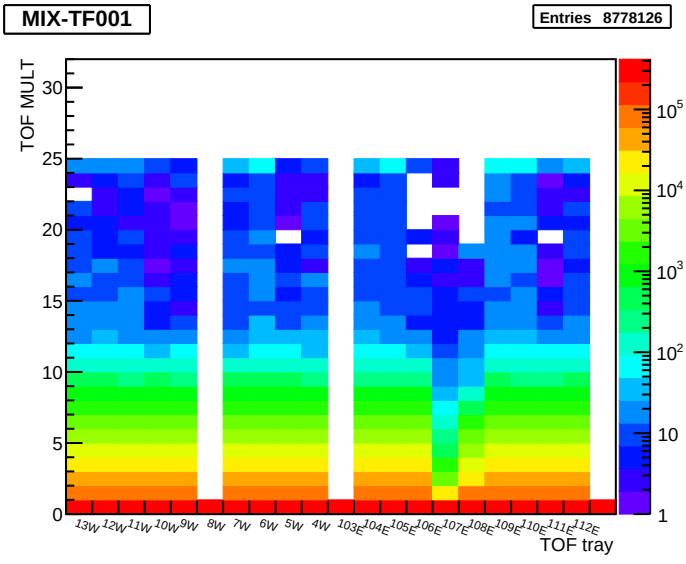

BunchId7Bit (ZDC-TAC)
Entries 830

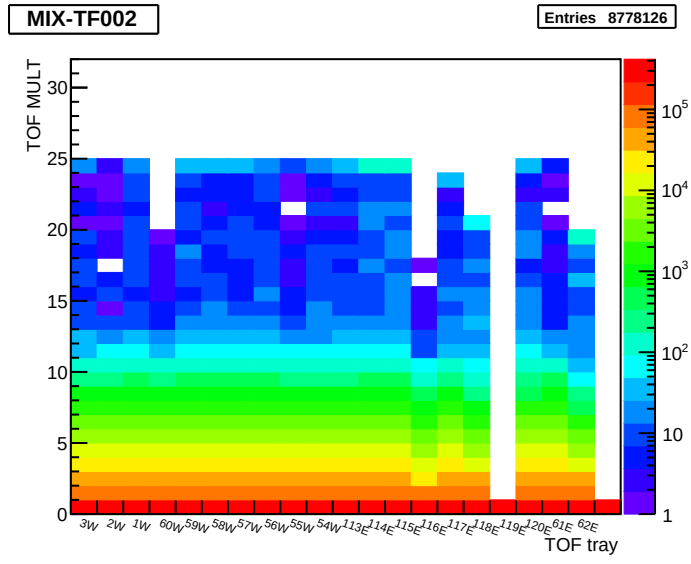

BunchId7Bit (EPD-TAC)
Entries 355979

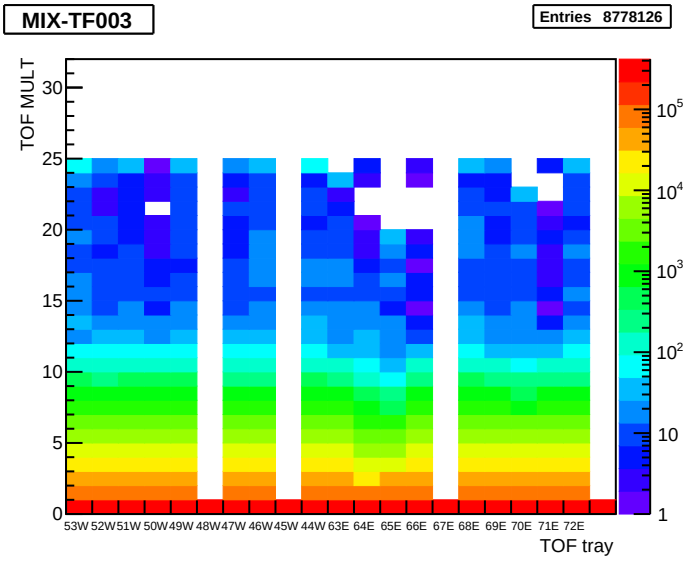

BunchId7Bit (BBC-TAC)
Entries 171353

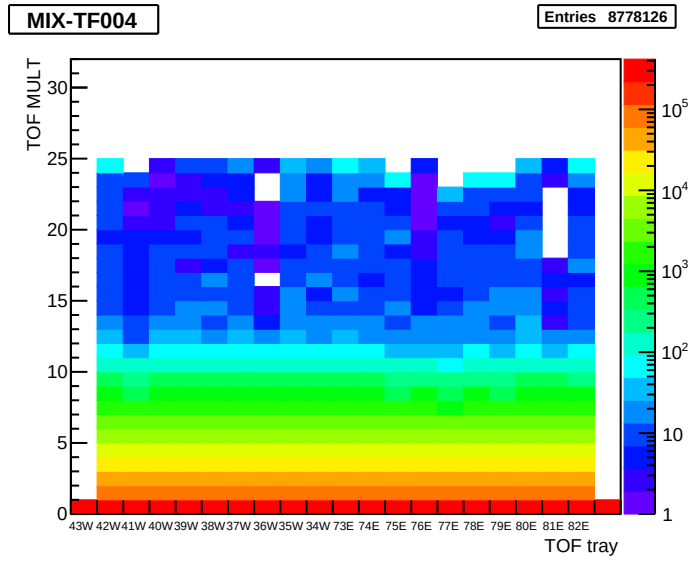

BunchId7Bit (Laser)
Entries 0

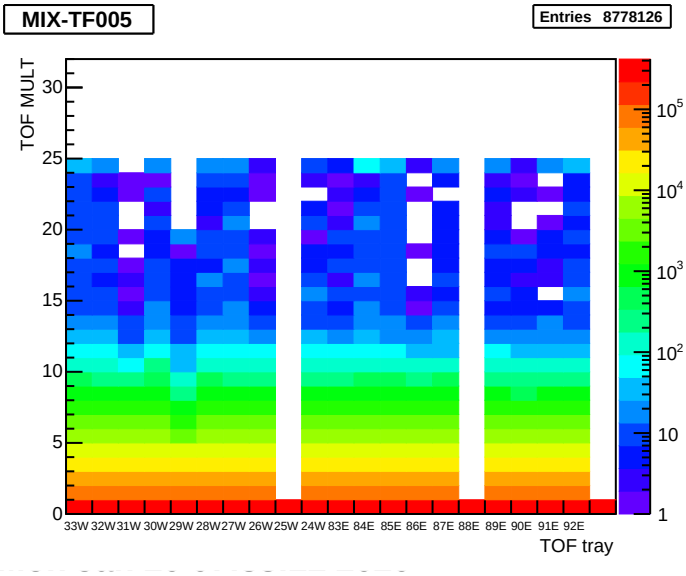

BunchId7Bit (TOFmult window)
Entries 13246

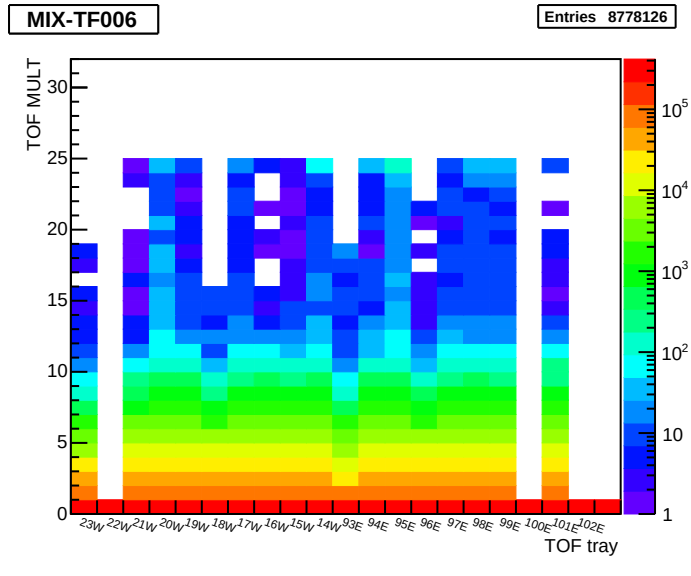

MIX-TF001
Entries 8778126
TOF MULT
TOF tray

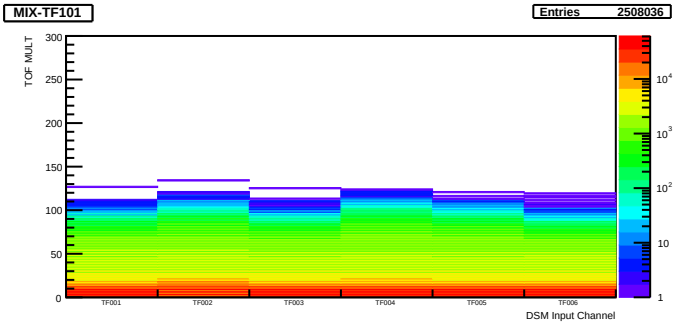

MIX-TF002
Entries 8778126
TOF MULT
TOF tray

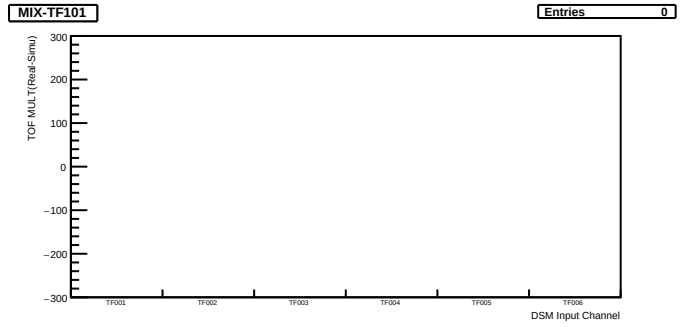

MIX-TF003
Entries 8778126
TOF MULT
TOF tray

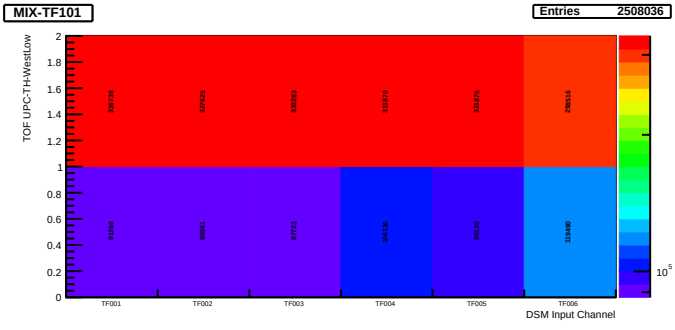

MIX-TF004
Entries 8778126
TOF MULT
TOF tray

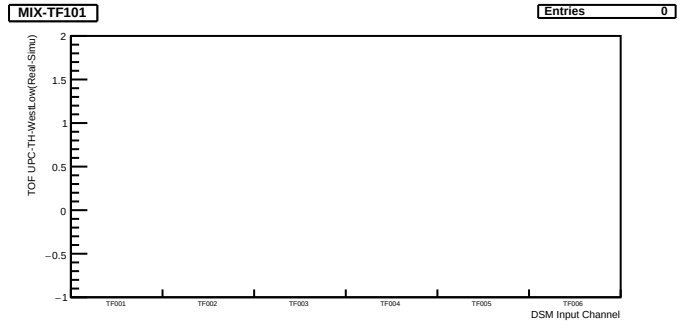

MIX-TF005
Entries 8778126
TOF MULT
TOF tray

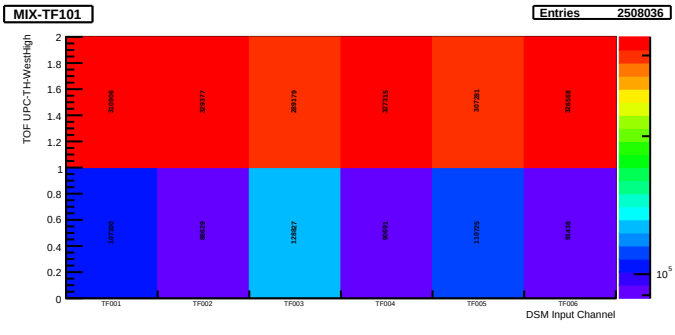

MIX-TF006
Entries 8778126
TOF MULT
TOF tray

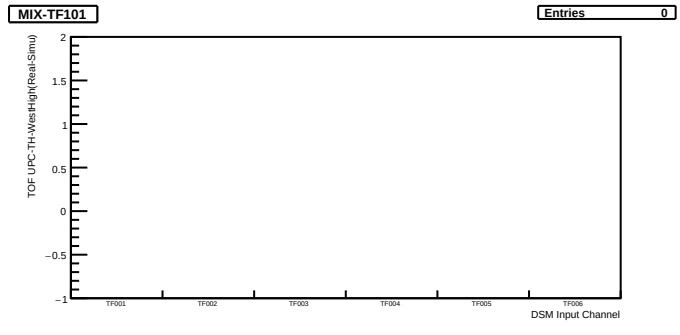

MIX-TF101
Entries 2508036
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

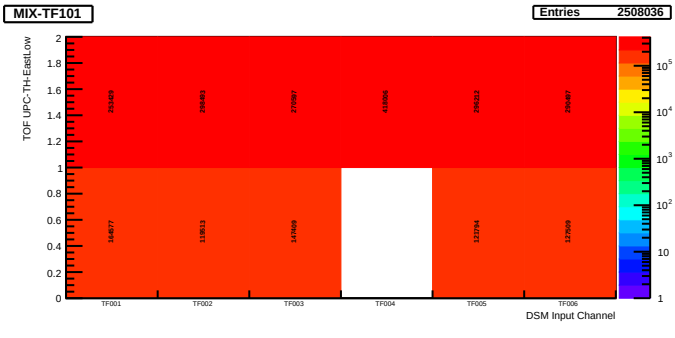

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

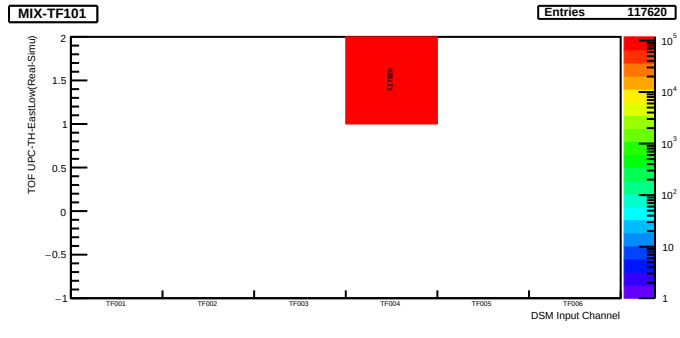

MIX-TF101
Entries 2508036
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

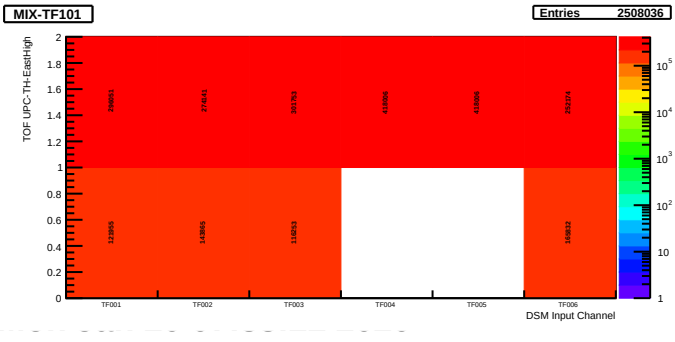

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

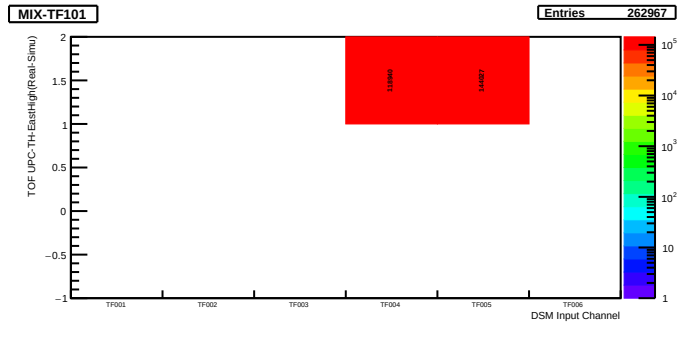

MIX-TF101
Entries 2508036
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

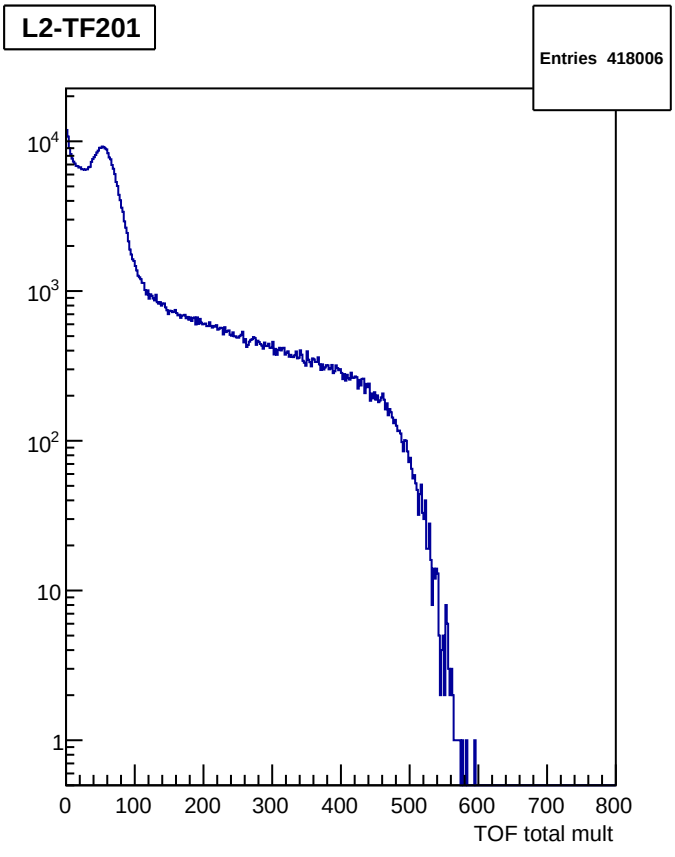

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

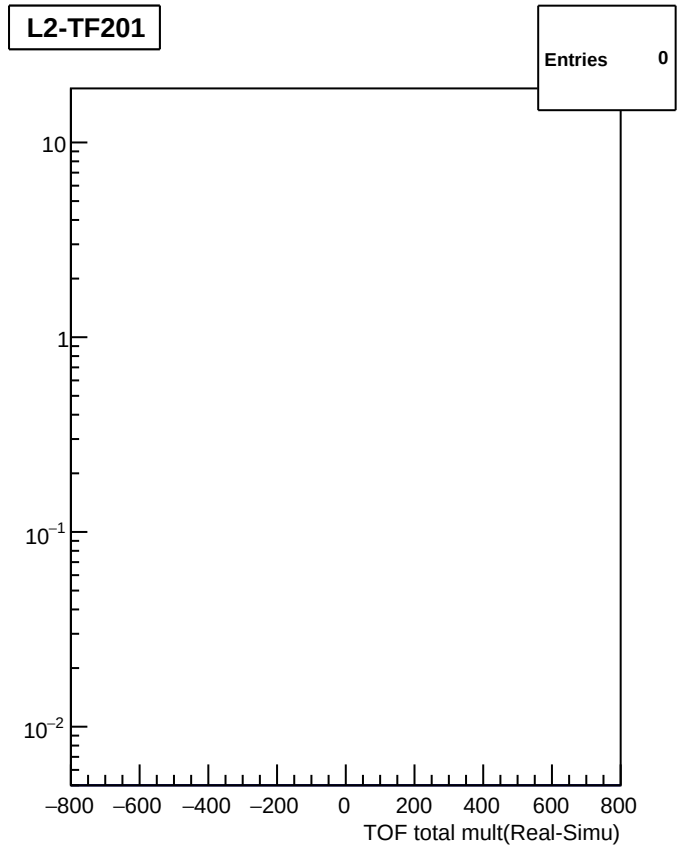

MIX-TF101
Entries 2508036
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

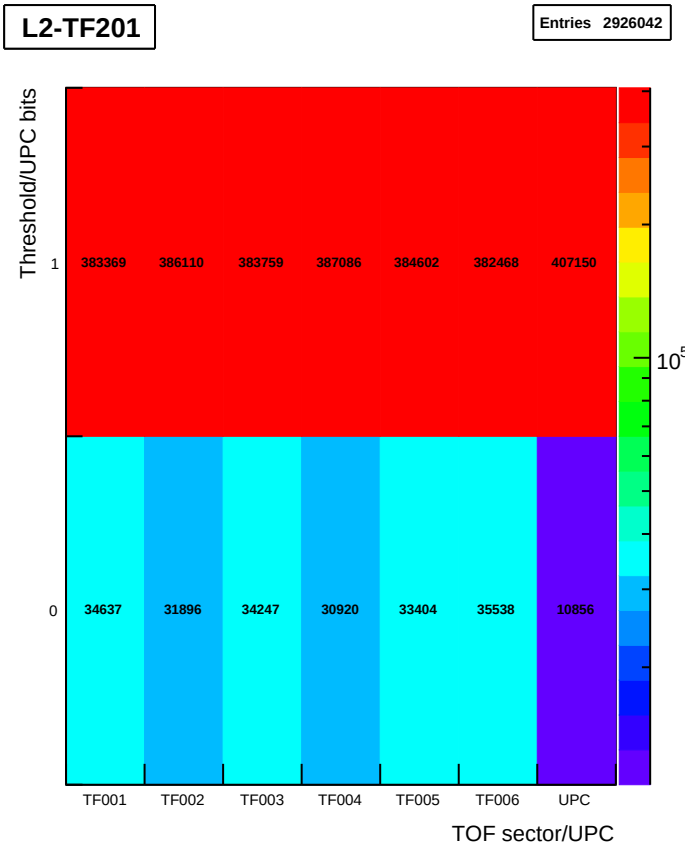

MIX-TF101
Entries 117620
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

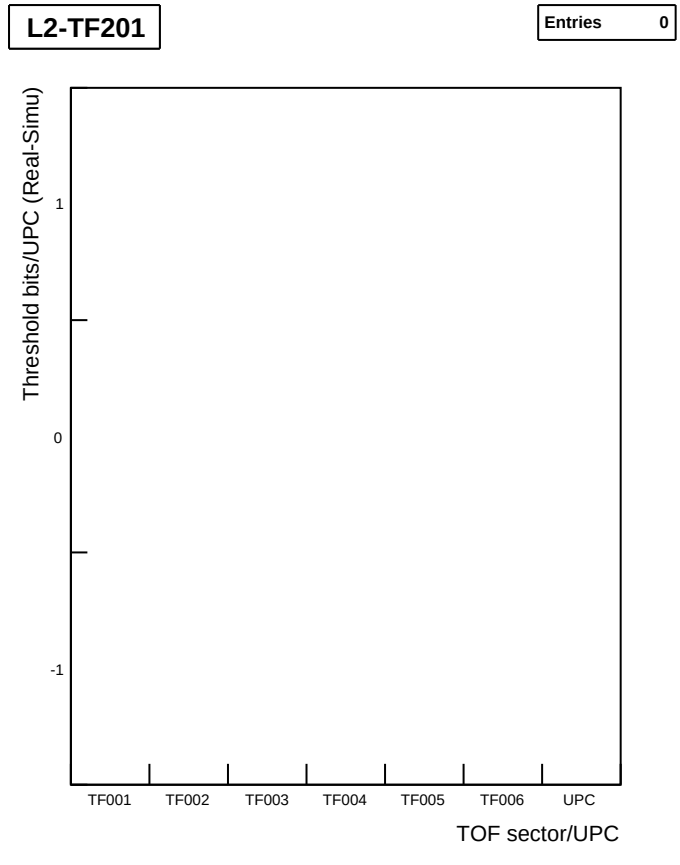

MIX-TF101
Entries 2508036
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

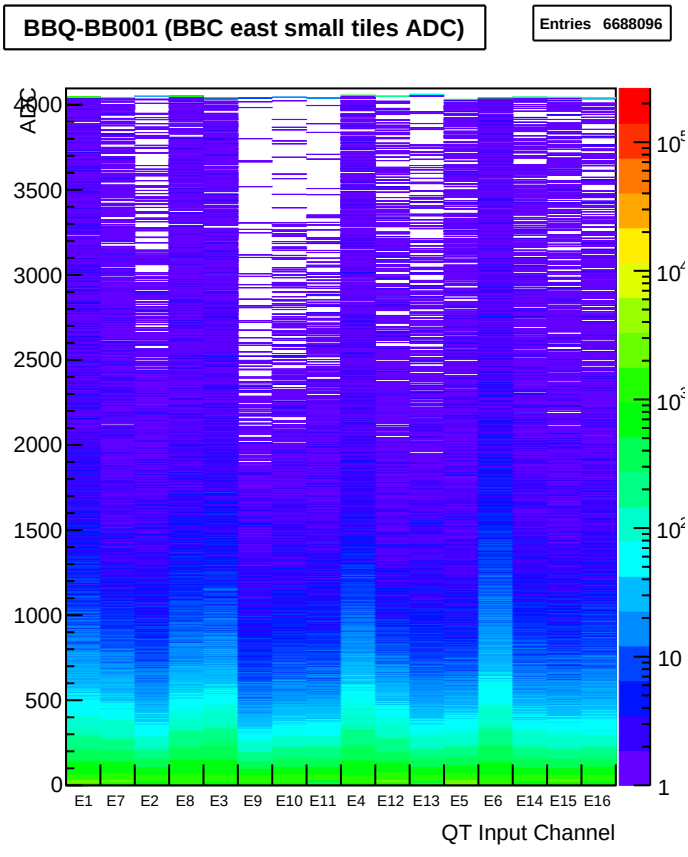

MIX-TF101
Entries 262967
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

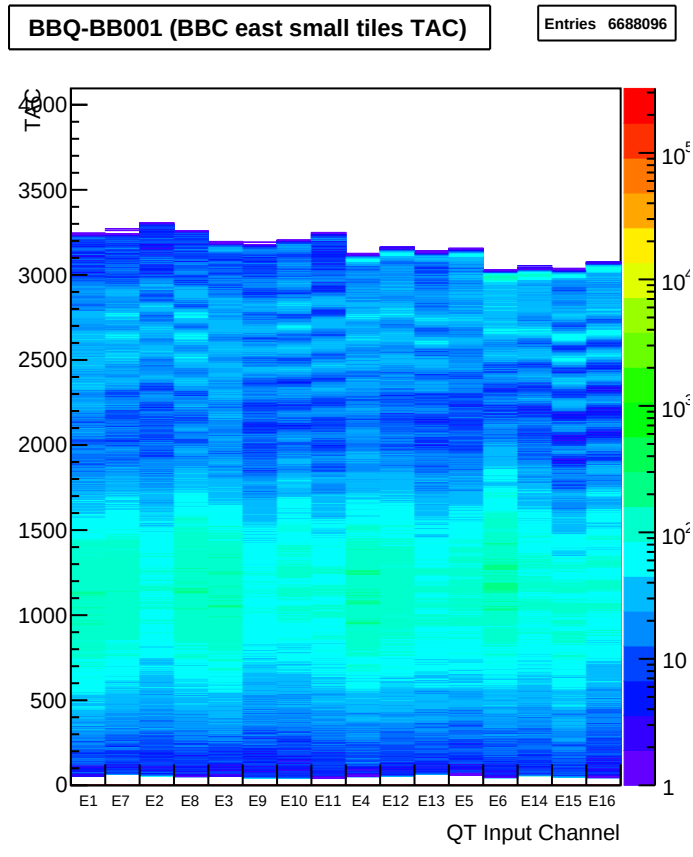

L2-TF201
Entries 418006
TOF total mult

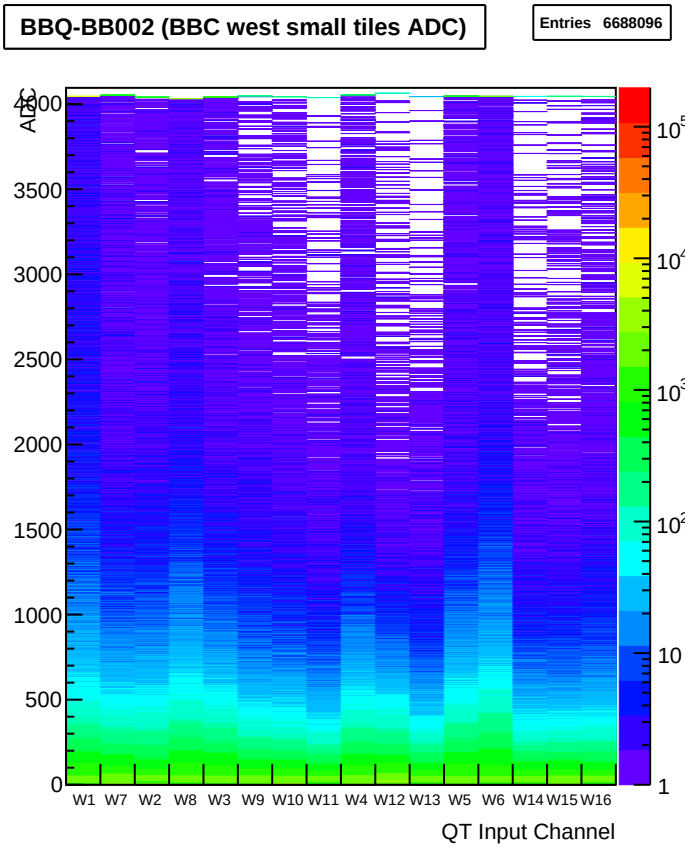

L2-TF201
Entries 0
TOF total mult(Real-Simu)

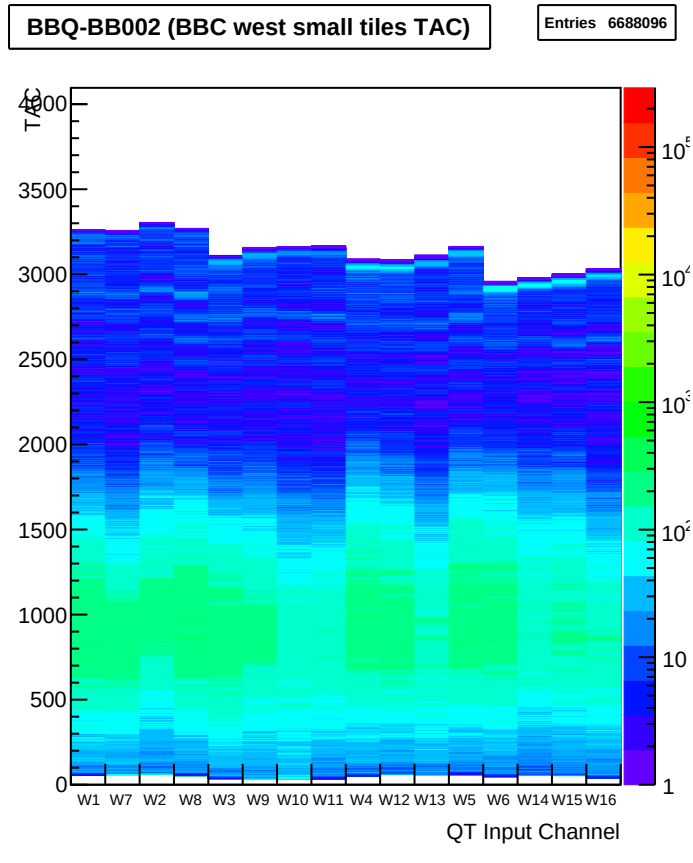

L2-TF201
Entries 2926042
Threshold/UPC bits
383369
386110
383759
387086
384602
382468
407150
34637
31896
34247
30920
33404
35538
10856
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

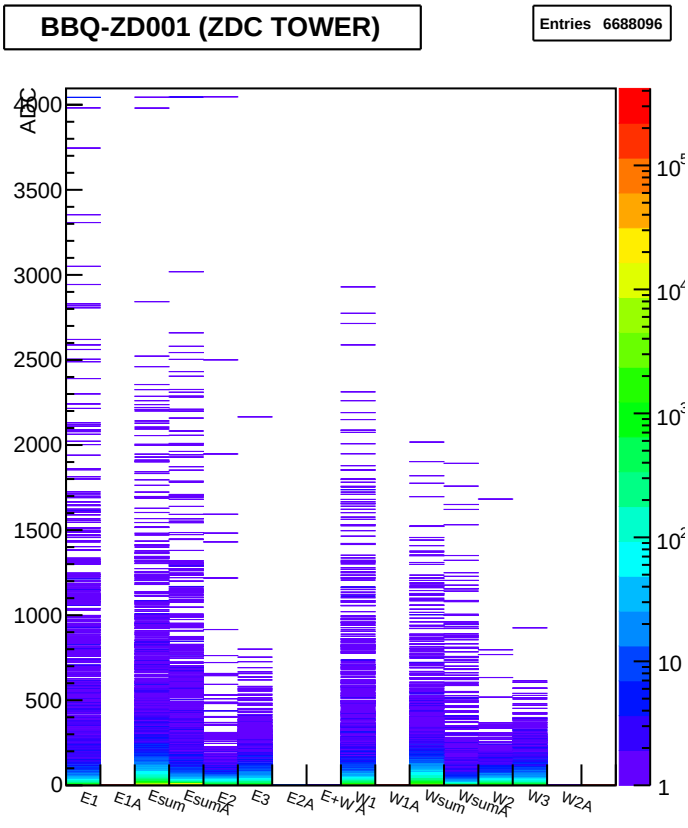

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

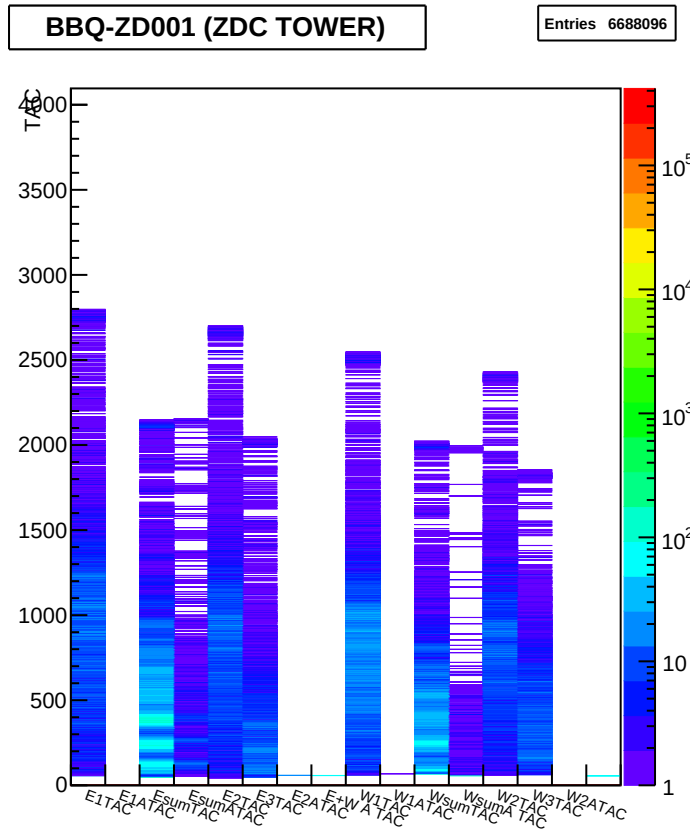

BBQ-BB001 (BBC east small tiles ADC)
Entries 6688096
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

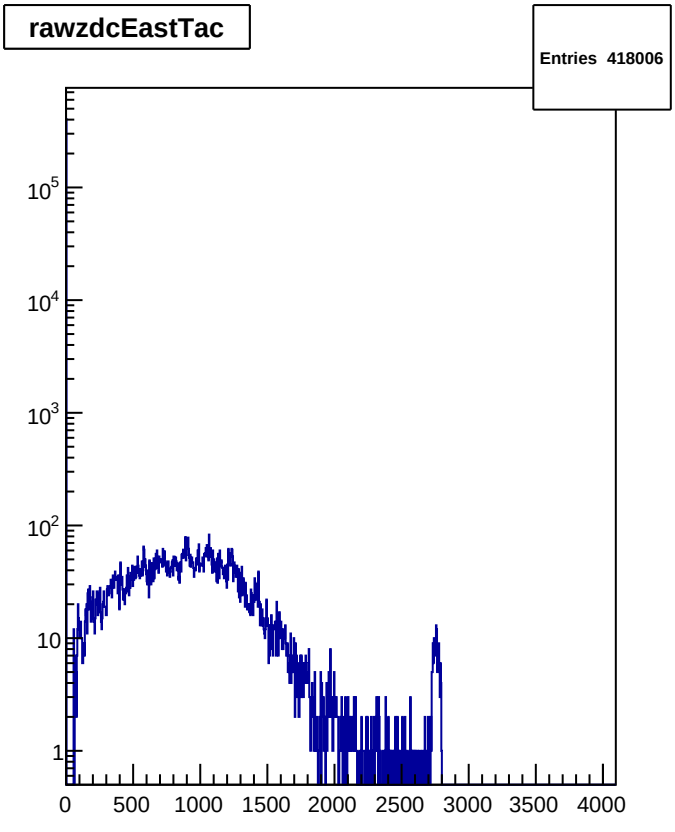

BBQ-BB001 (BBC east small tiles TAC)
Entries 6688096
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

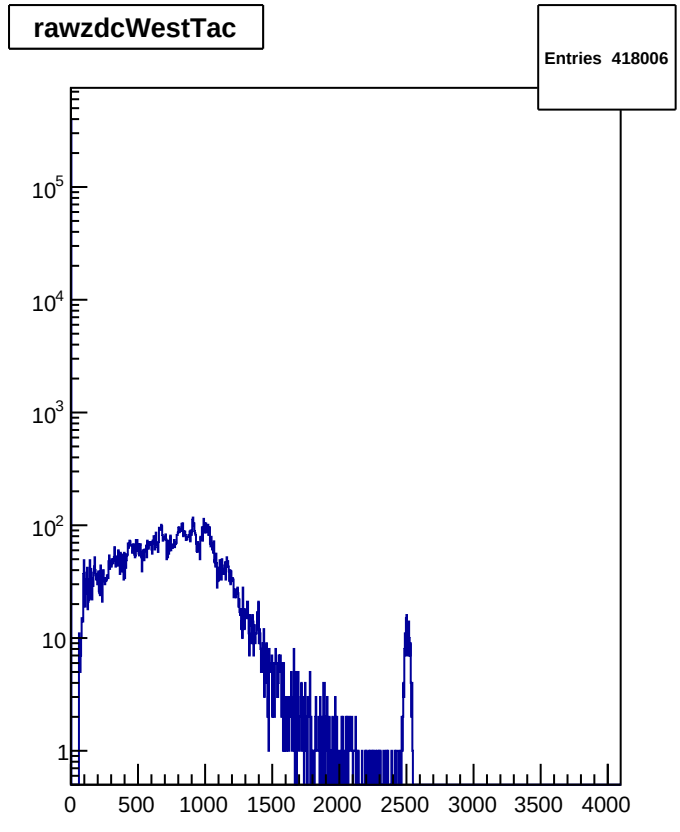

BBQ-BB002 (BBC west small tiles ADC)
Entries 6688096
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

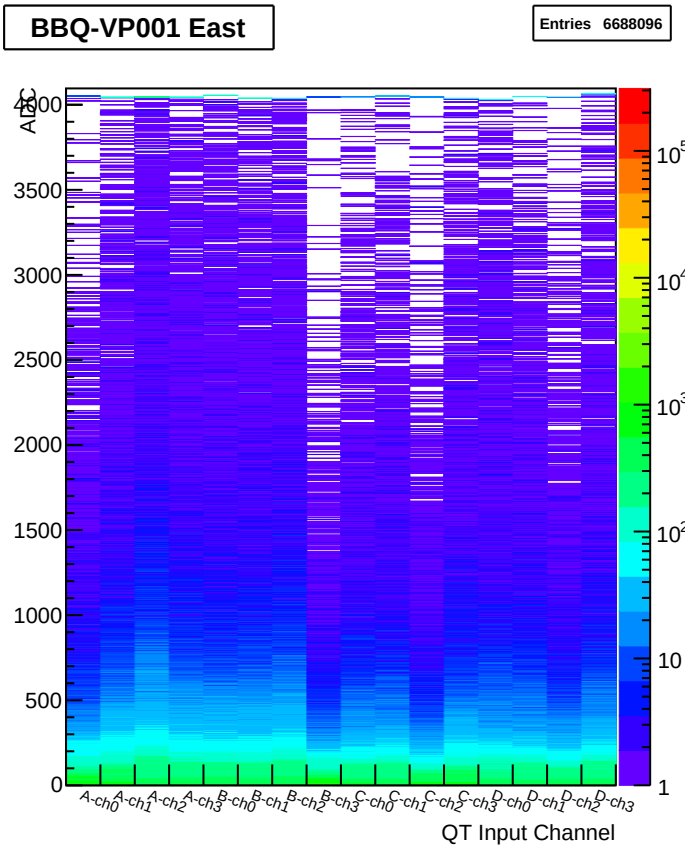

BBQ-BB002 (BBC west small tiles TAC)
Entries 6688096
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

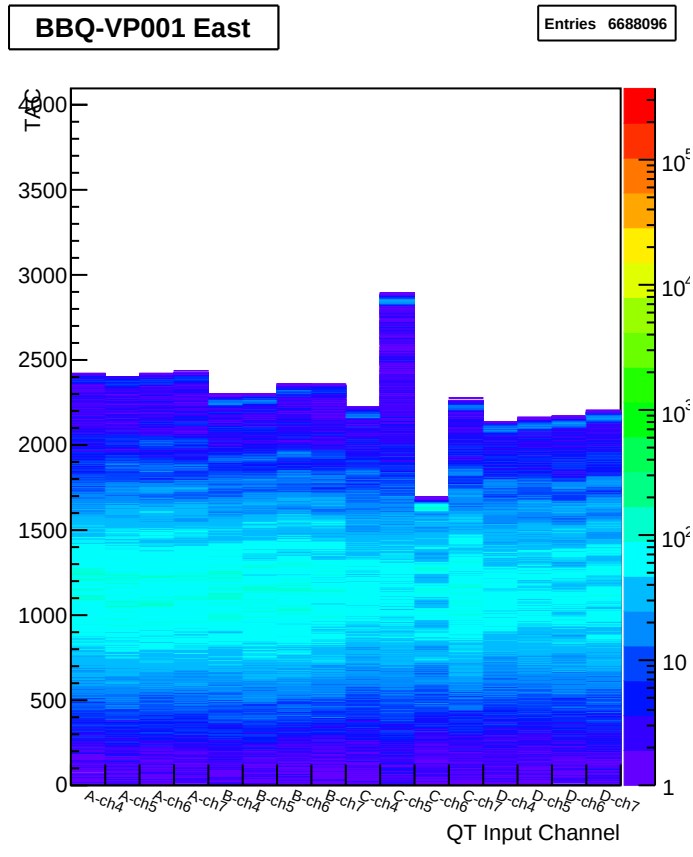

BBQ-ZD001 (ZDC TOWER)
Entries 6688096
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

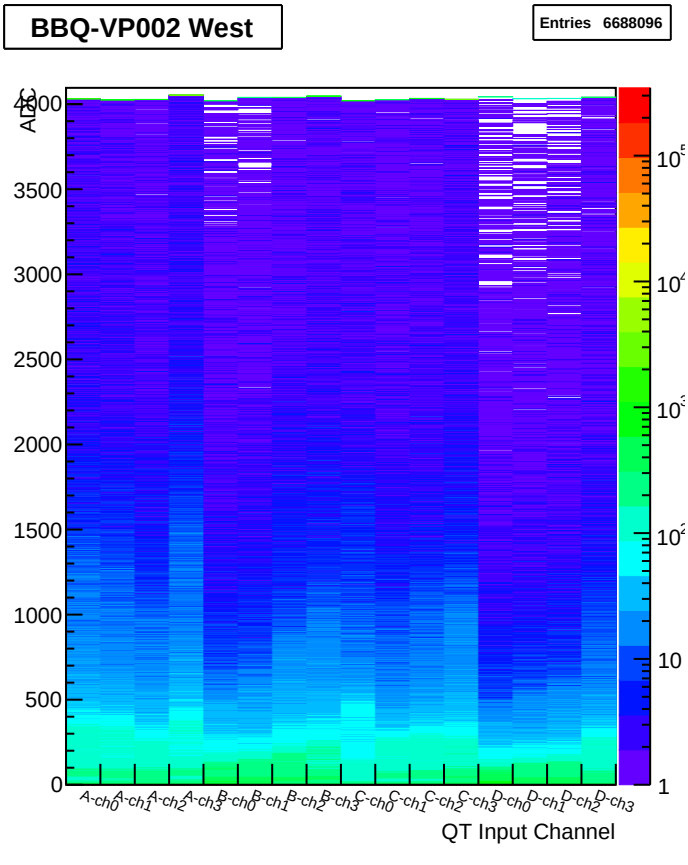

BBQ-ZD001 (ZDC TOWER)
Entries 6688096
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

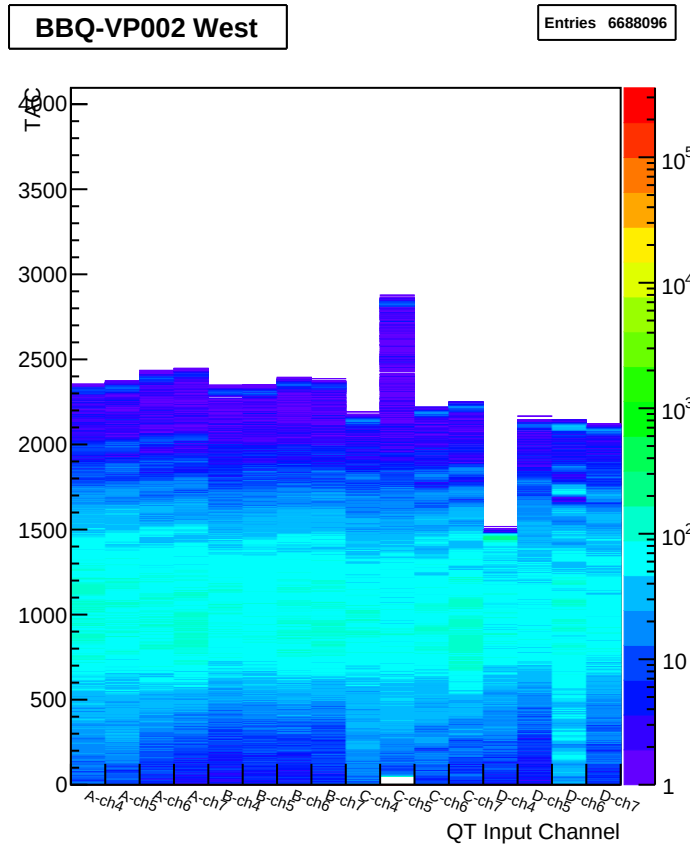

rawzdcEastTac
Entries 418006

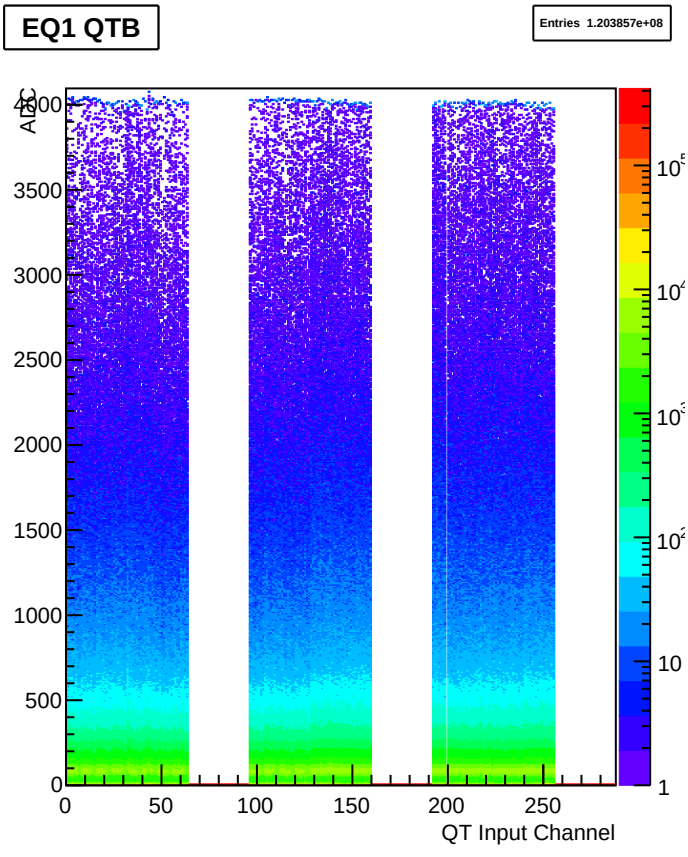

rawzdcWestTac
Entries 418006

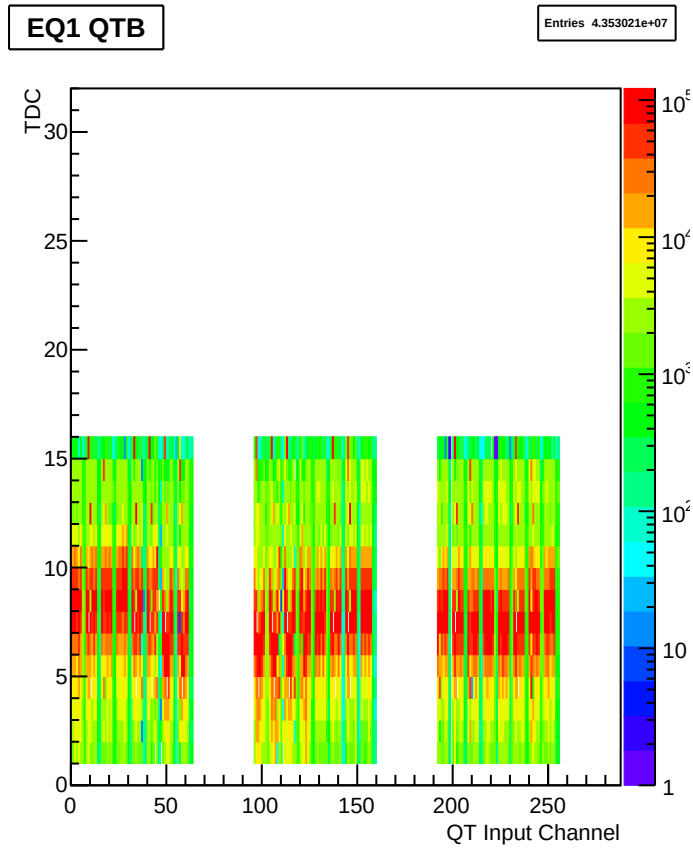

BBQ-VP001 East
Entries 6688096
ADC
QT Input Channel

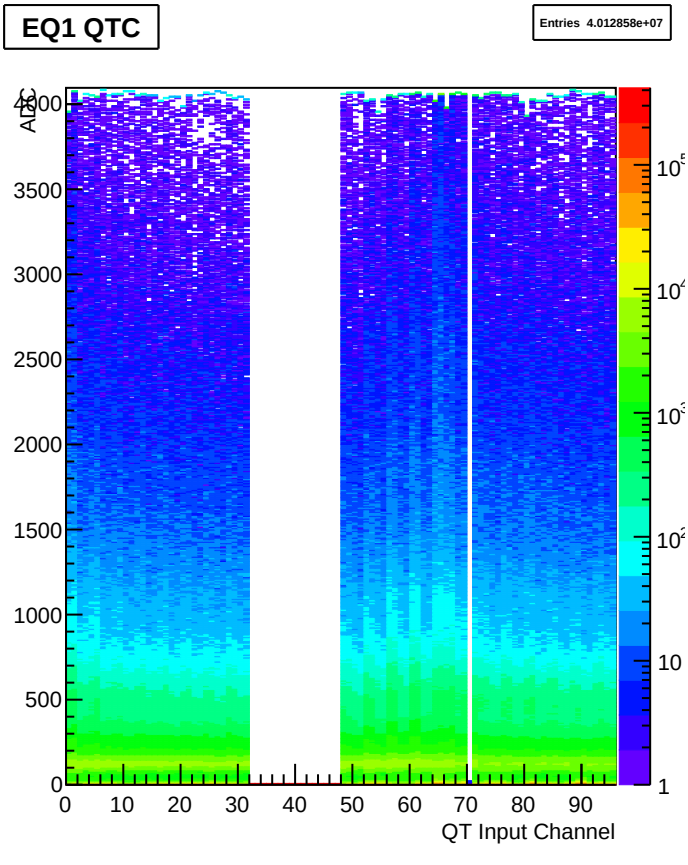

BBQ-VP001 East
Entries 6688096
TADC
QT Input Channel

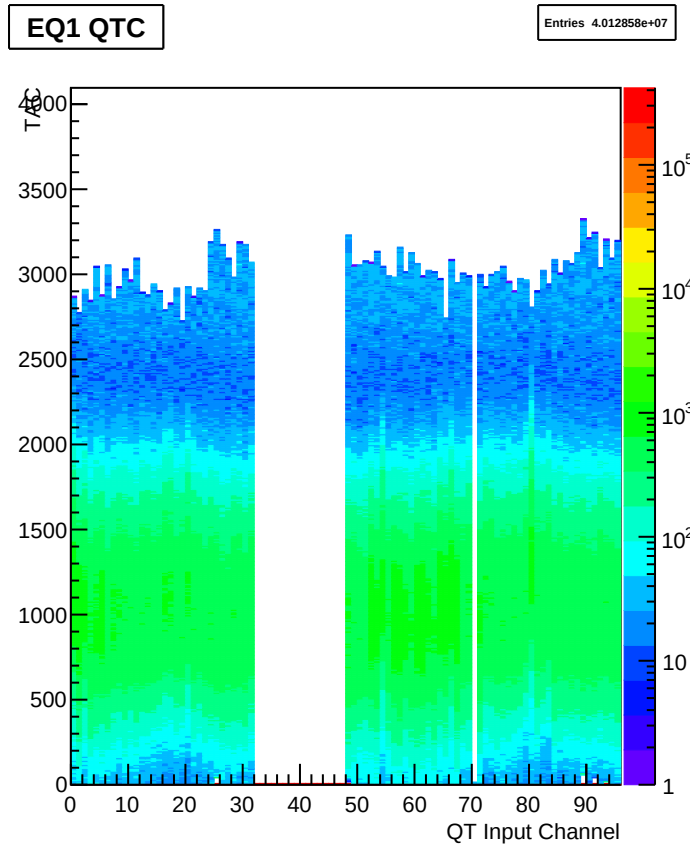

BBQ-VP002 West
Entries 6688096
ADC
QT Input Channel

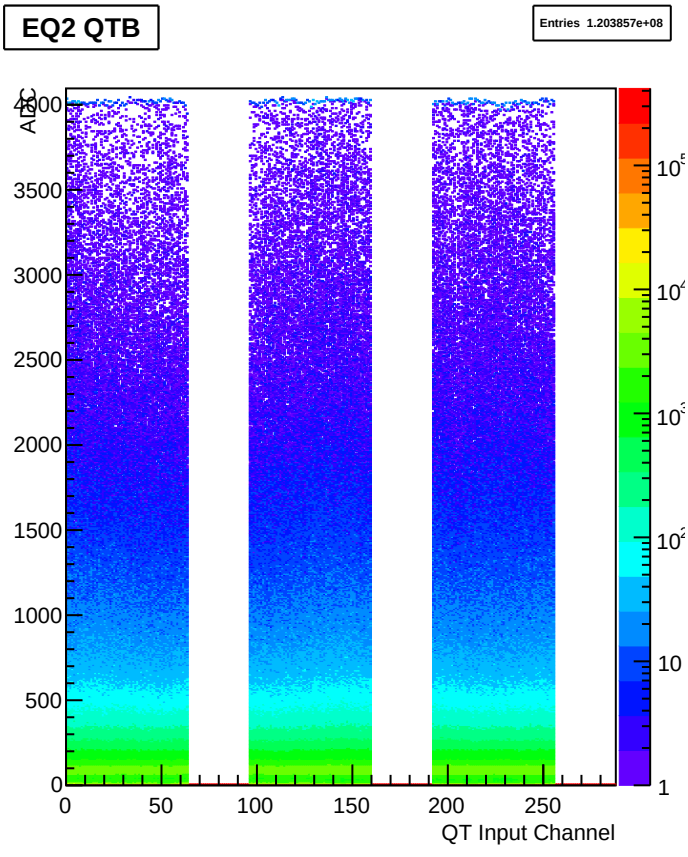

BBQ-VP002 West
Entries 6688096
TADC
QT Input Channel

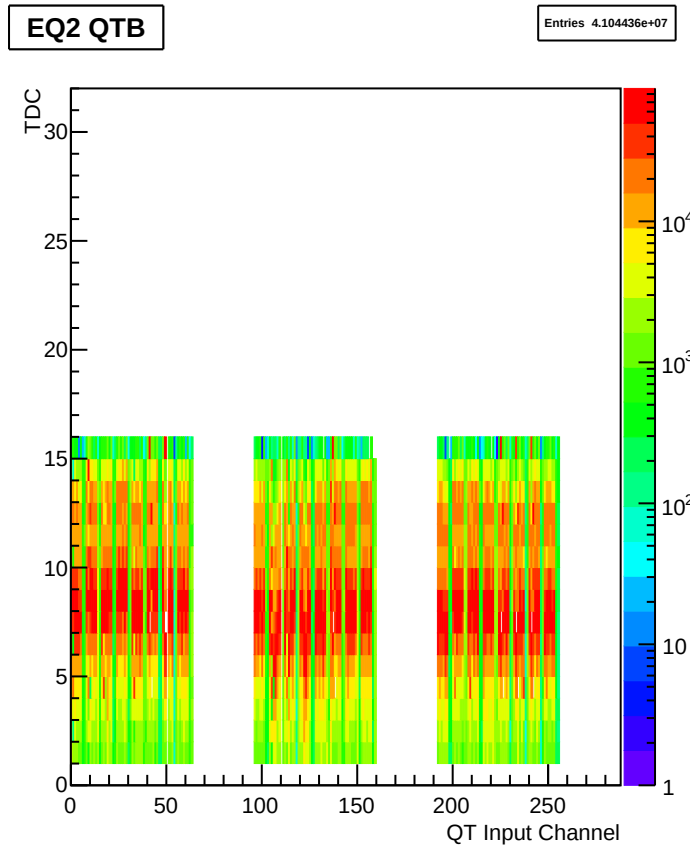

EQ1 QTB
Entries 1.203857e+08
ADC
QT Input Channel

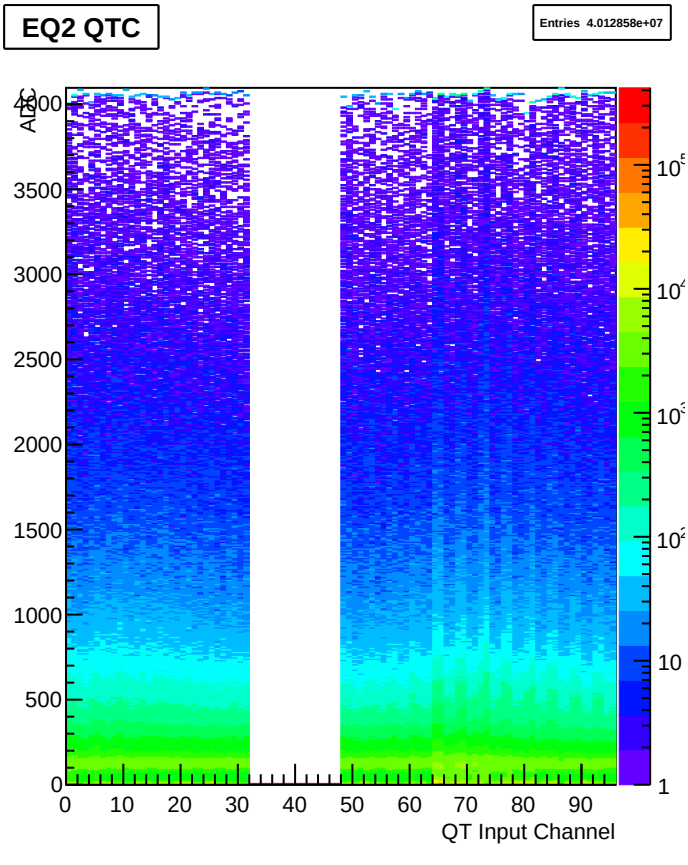

EQ1 QTB
Entries 4.353021e+07
TDC
QT Input Channel

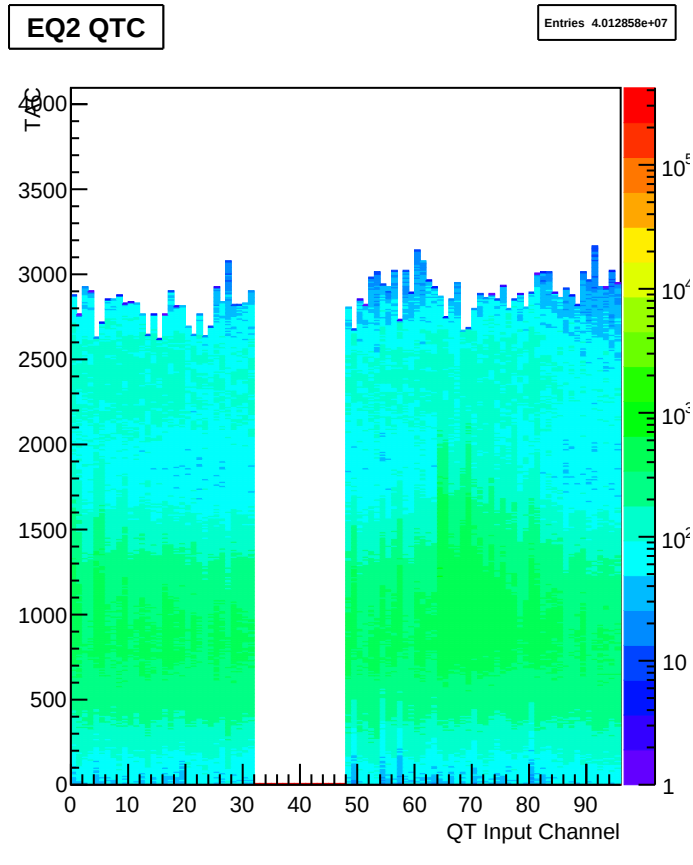

EQ1 QTC
Entries 4.012858e+07
ADC
QT Input Channel

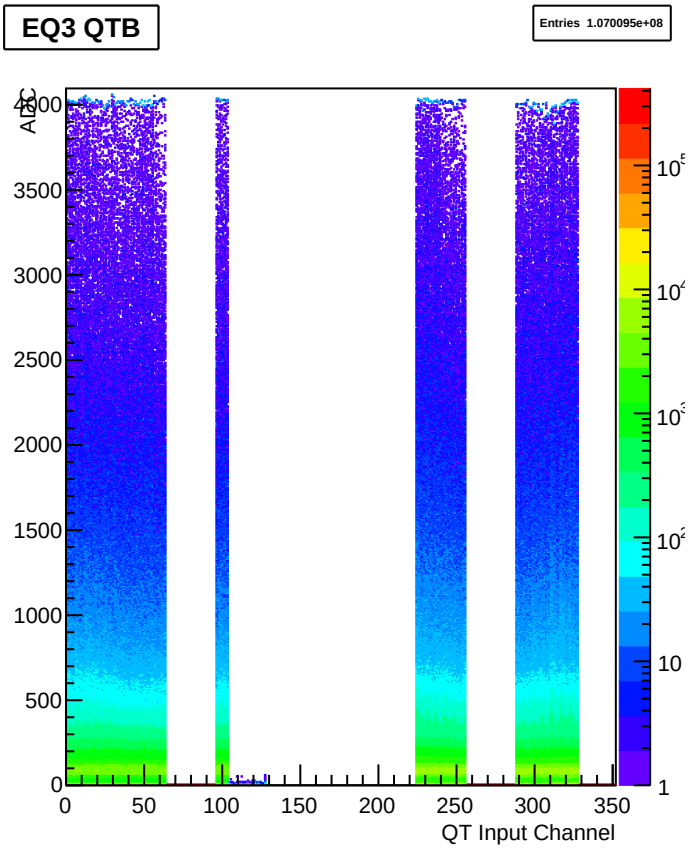

EQ1 QTC
Entries 4.012858e+07
TADC
QT Input Channel

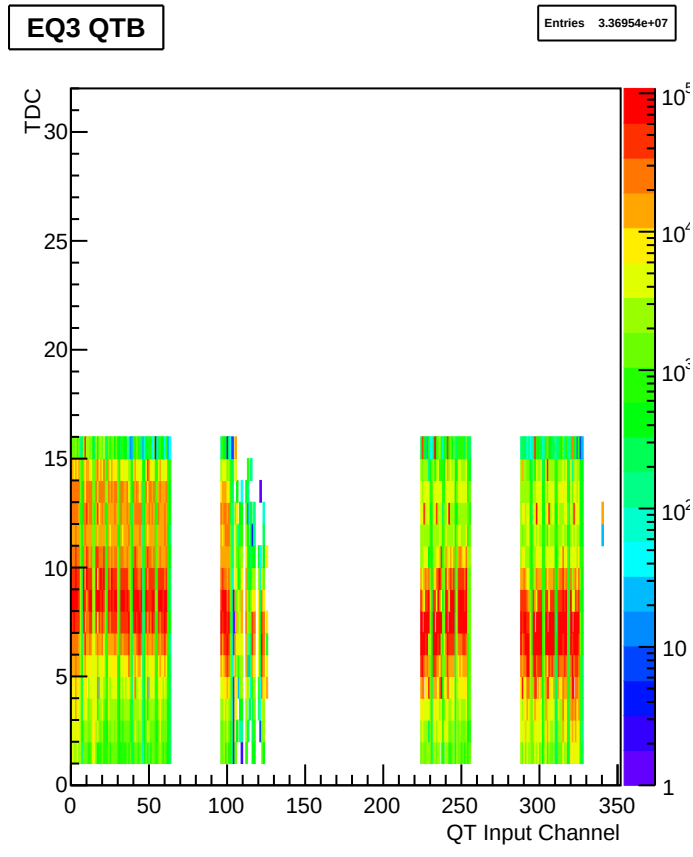

EQ2 QTB
Entries 1.203857e+08
ADC
QT Input Channel

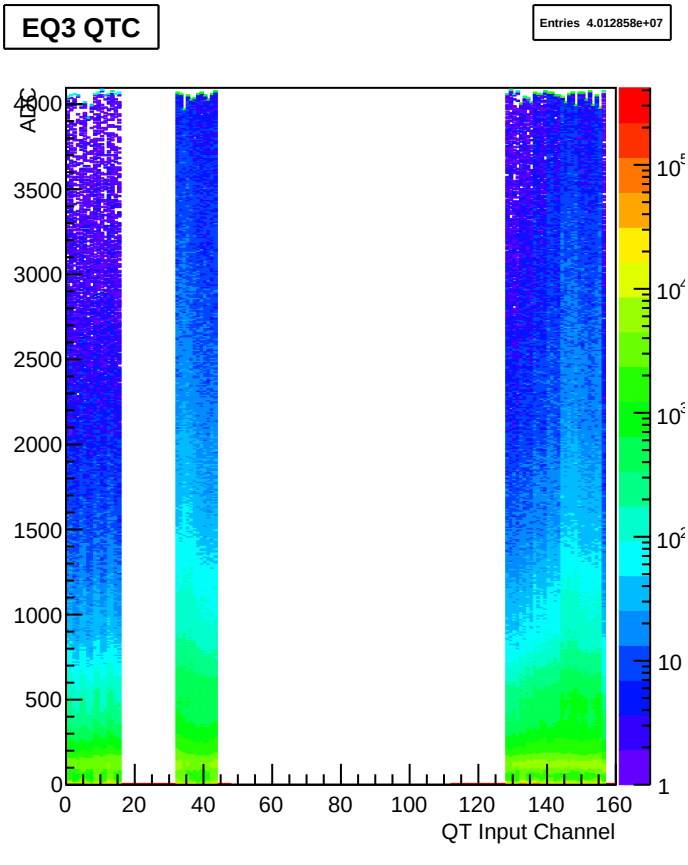

EQ2 QTB
Entries 4.104436e+07
TDC
QT Input Channel

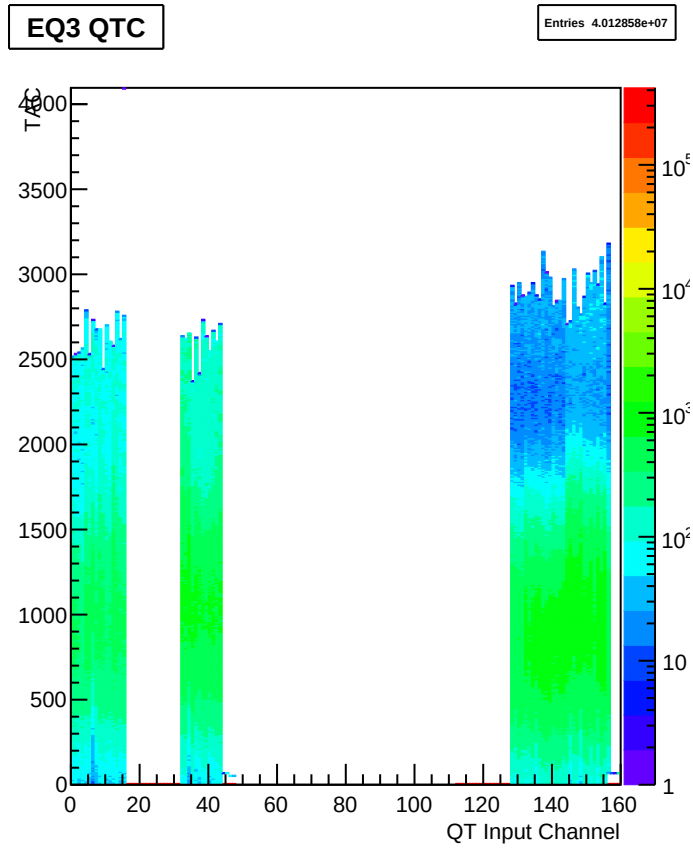

EQ2 QTC
Entries 4.012858e+07
ADC
QT Input Channel


EQ2 QTC
Entries 4.012858e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.070095e+08
ADC
QT Input Channel


EQ3 QTB
Entries 3.36954e+07
TDC
QT Input Channel


EQ3 QTC
Entries 4.012858e+07
ADC
QT Input Channel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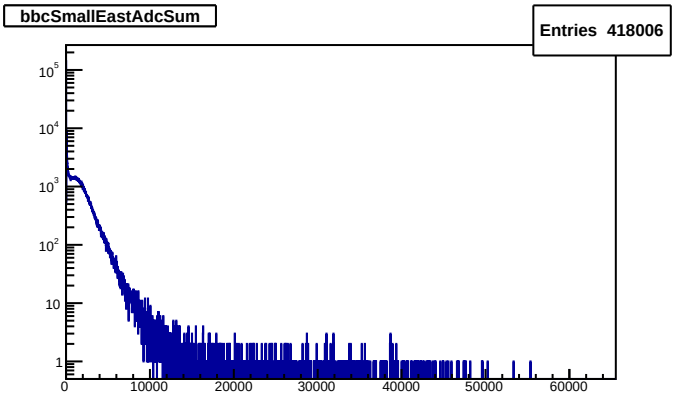
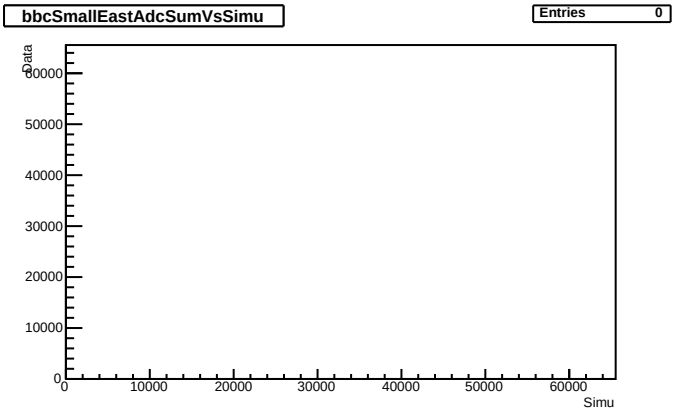
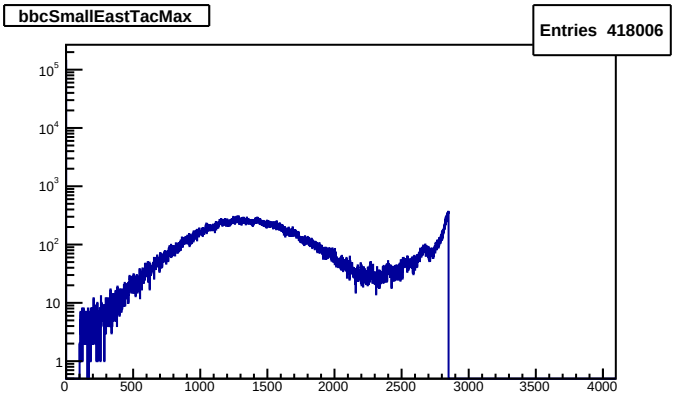
QT Input Channel


bbcSmallEastAdcSum
Entries 418006


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu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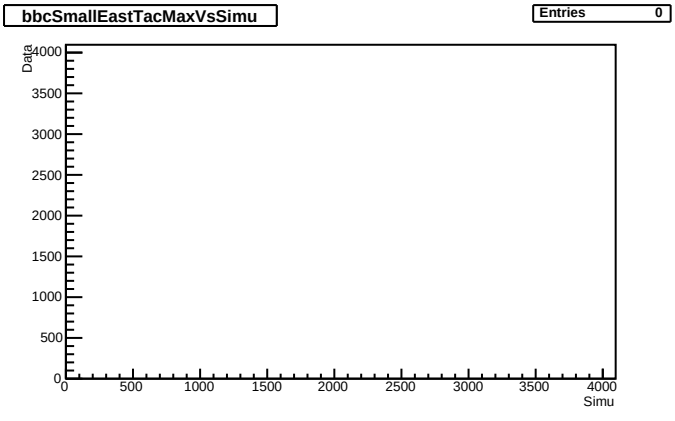
Entries 418006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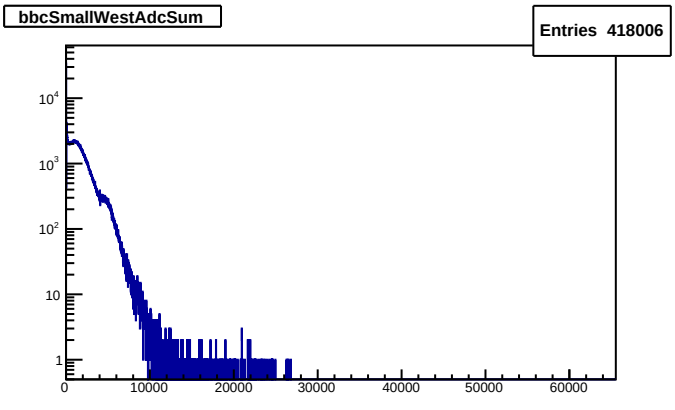
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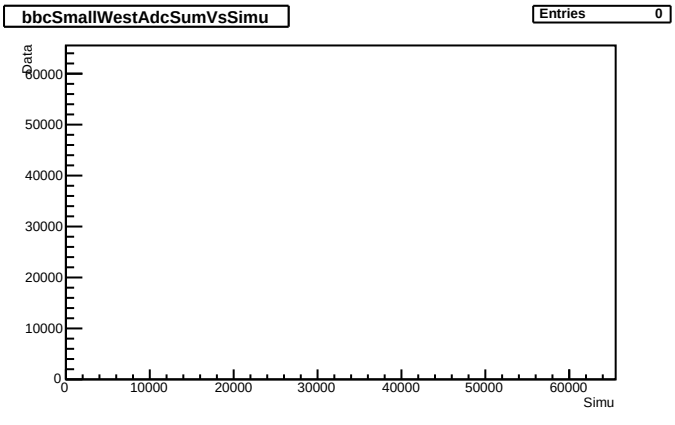
Entries 418006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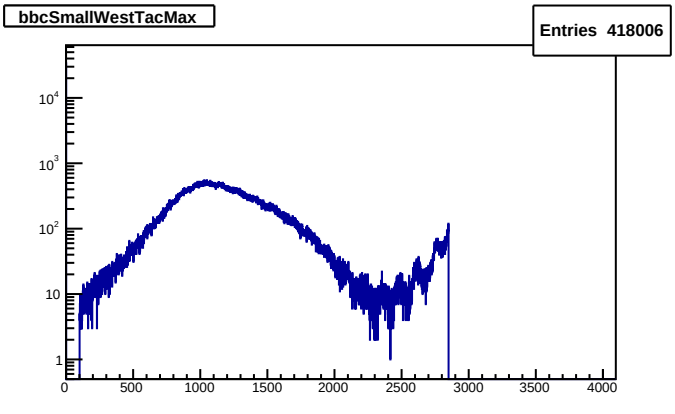
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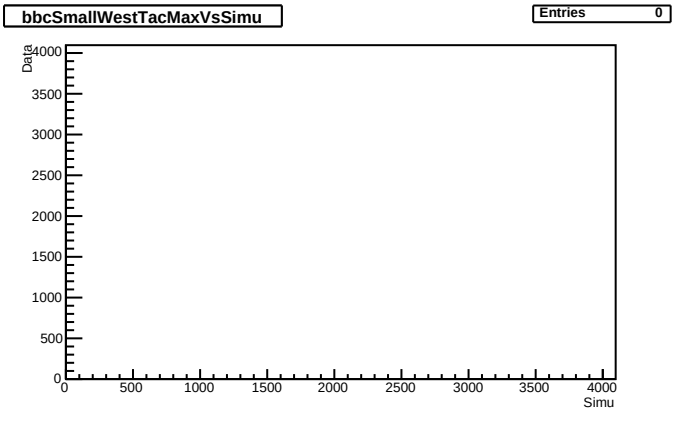
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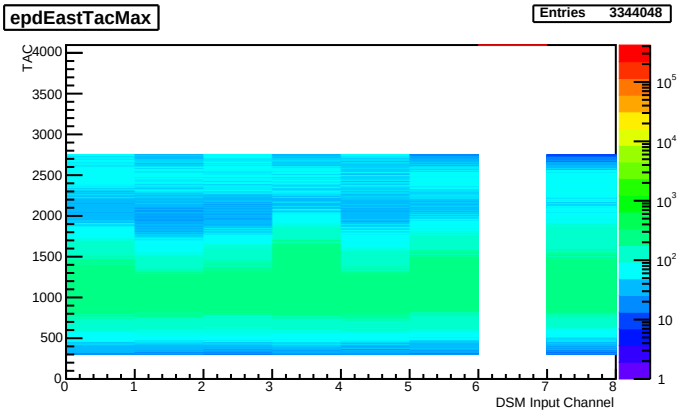
Entries 0
Data
Simu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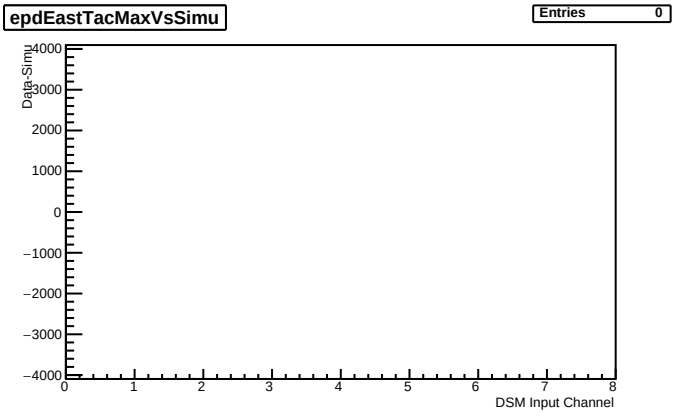
Entries 3344048
TAC
DSM Input Channel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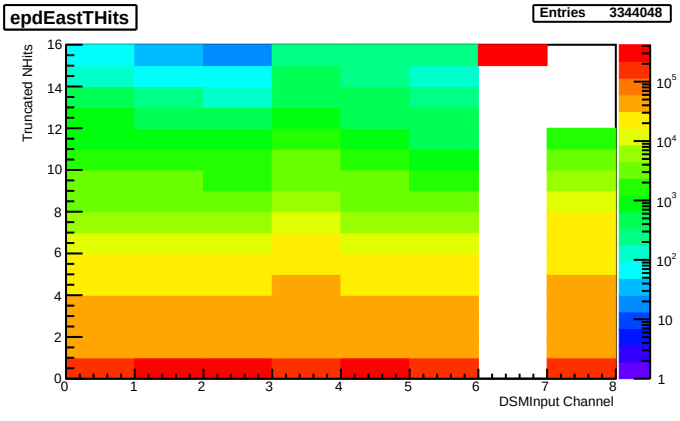
Entries 0
Data-Simu
DSM Input Channel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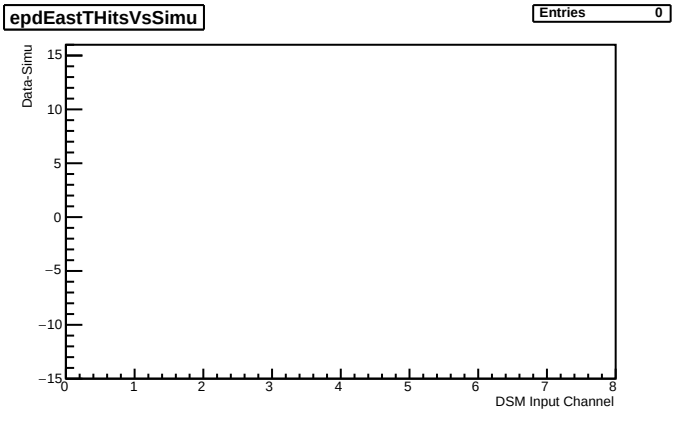
Entries 3344048
Truncated NHits
DSMInput Channel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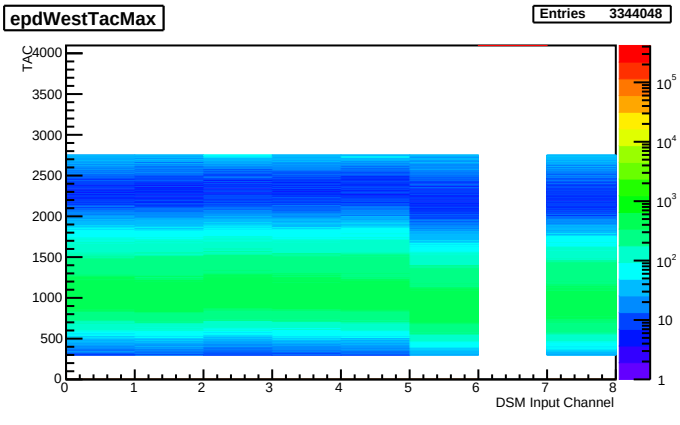
DSM Input Channel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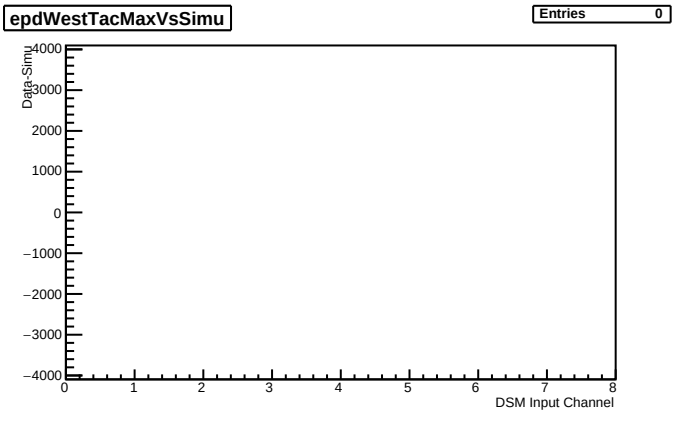
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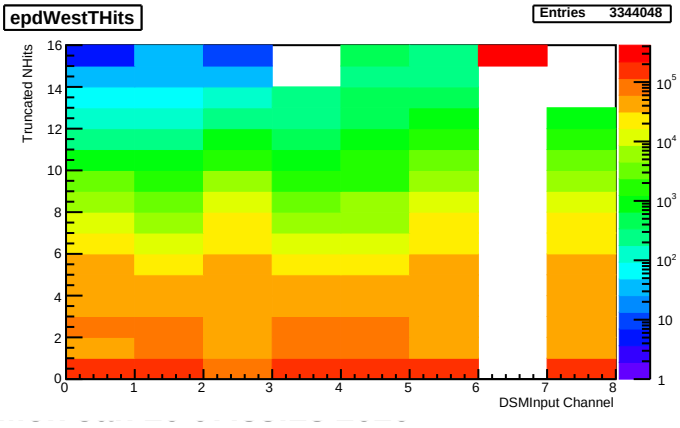
DSM Input Channel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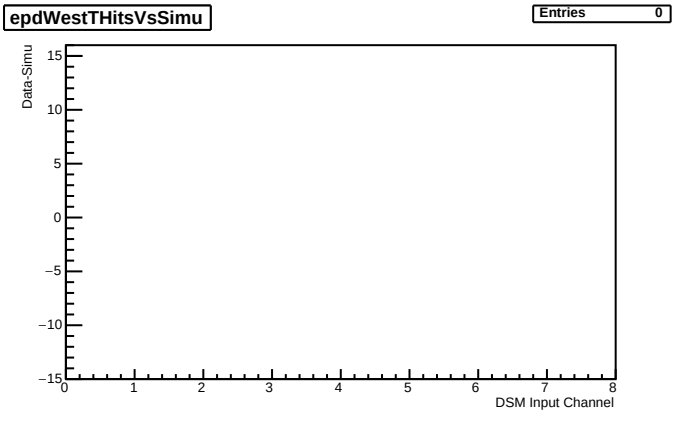
Entries 3344048
Truncated NHits
DSMInput Channel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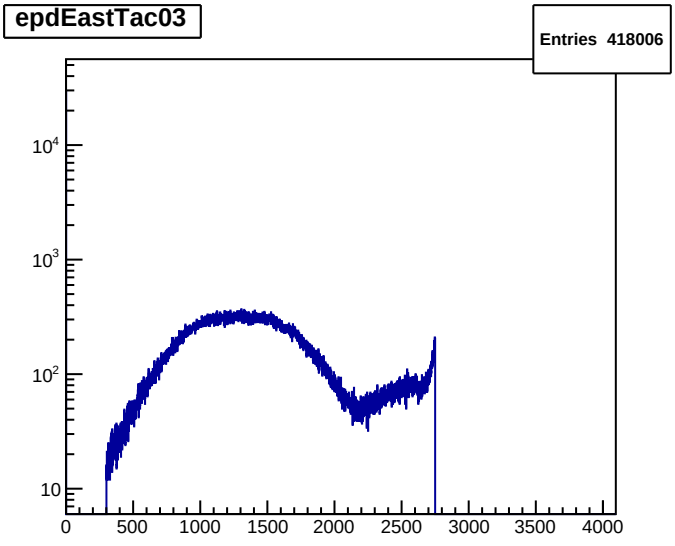
Entries 0
Data-Simu
DSM Input Channel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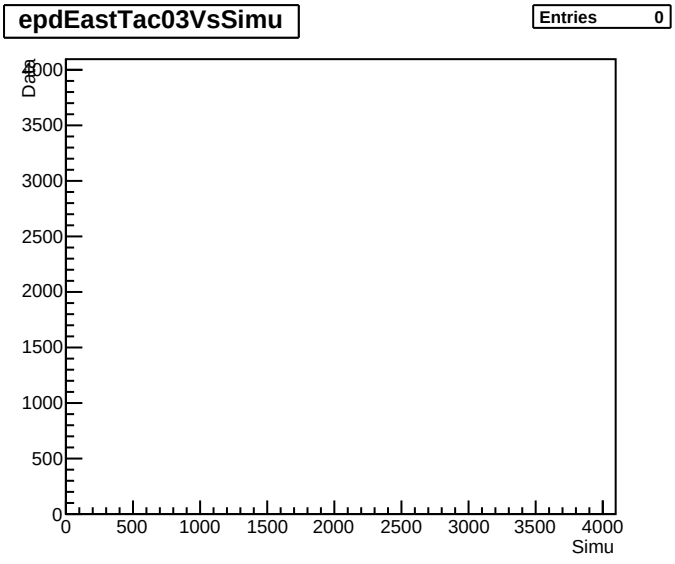
Entries 418006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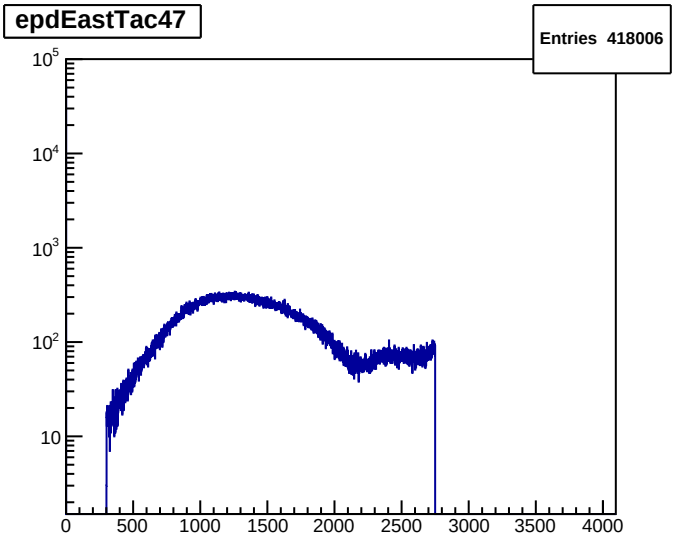
Entries 0
Data
Simu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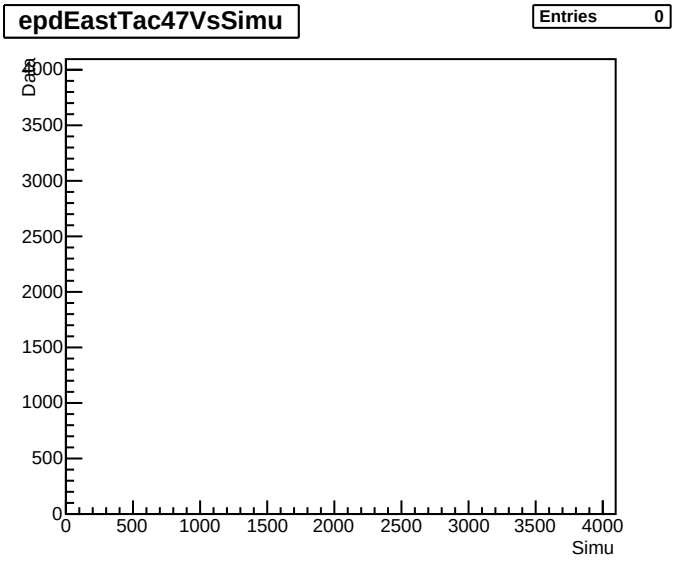
Entries 418006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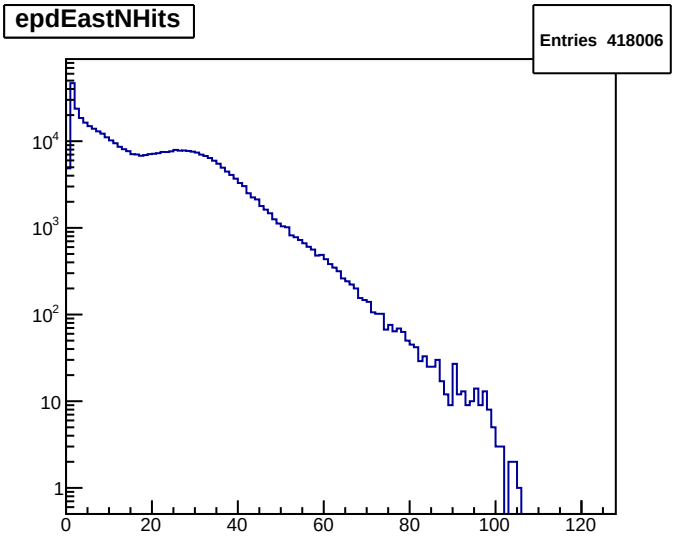
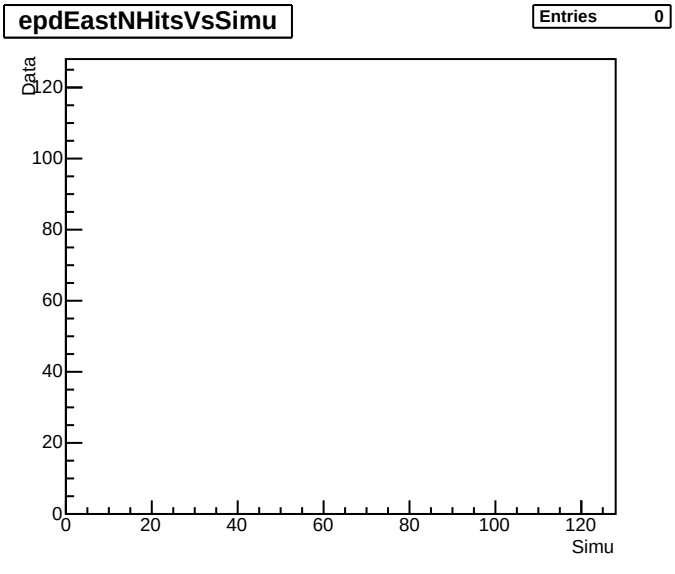
Entries 0
Data
Simu


epdEastNHits
Entries 418006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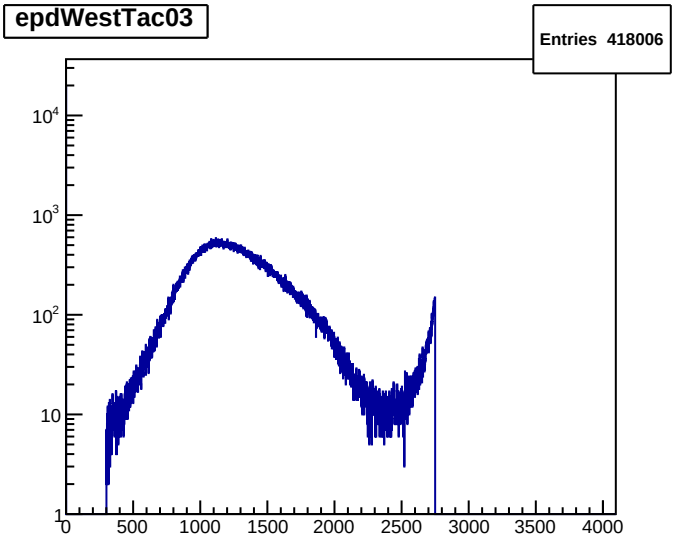
Data
Simu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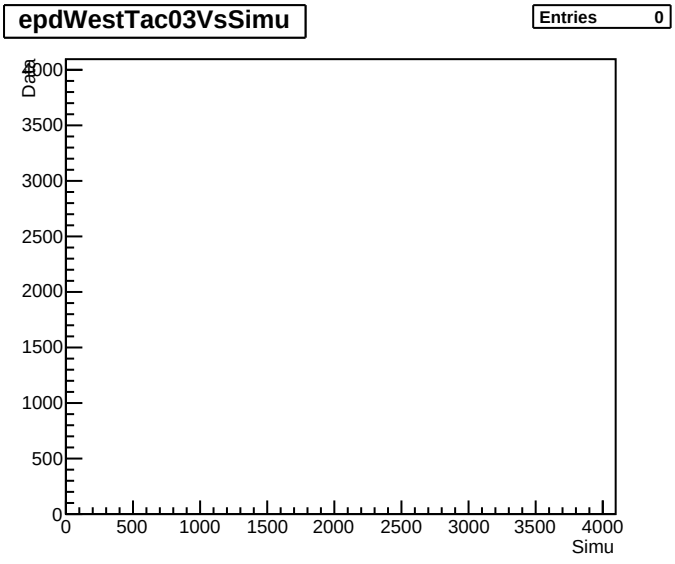
Entries 418006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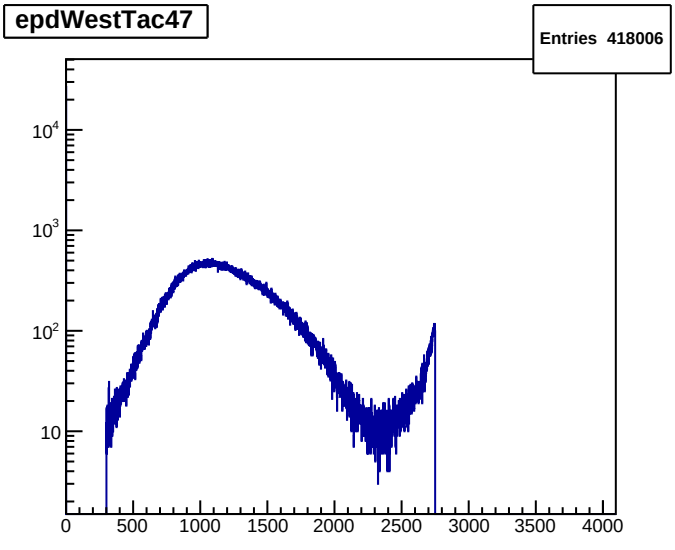
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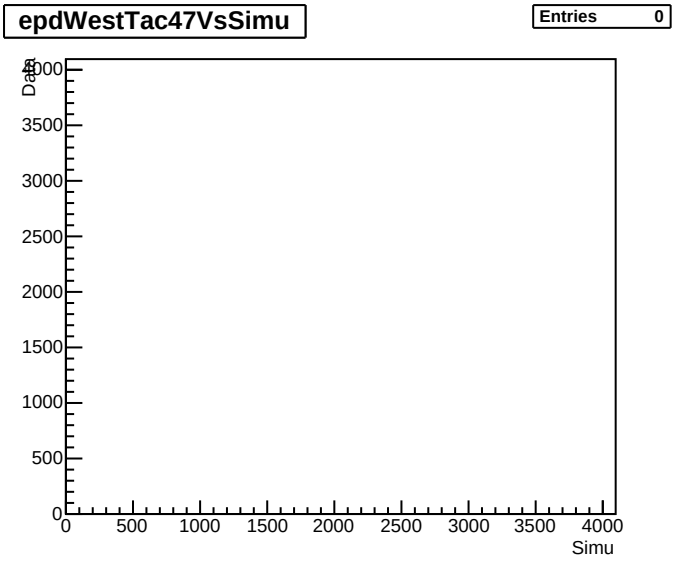
Entries 418006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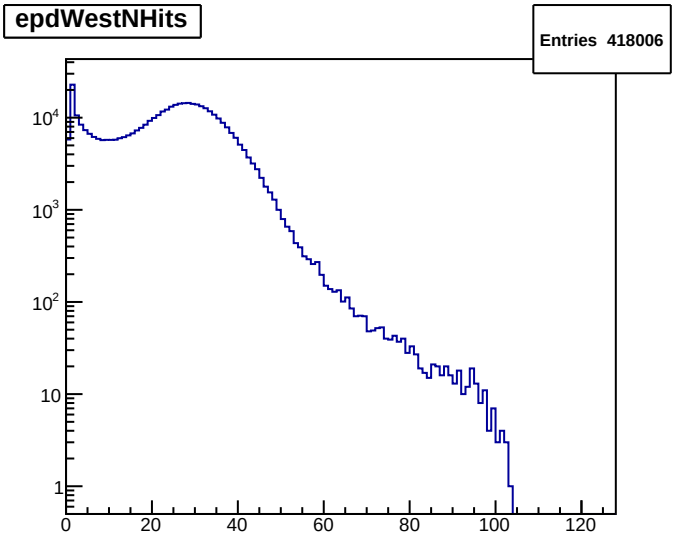
Data
Simu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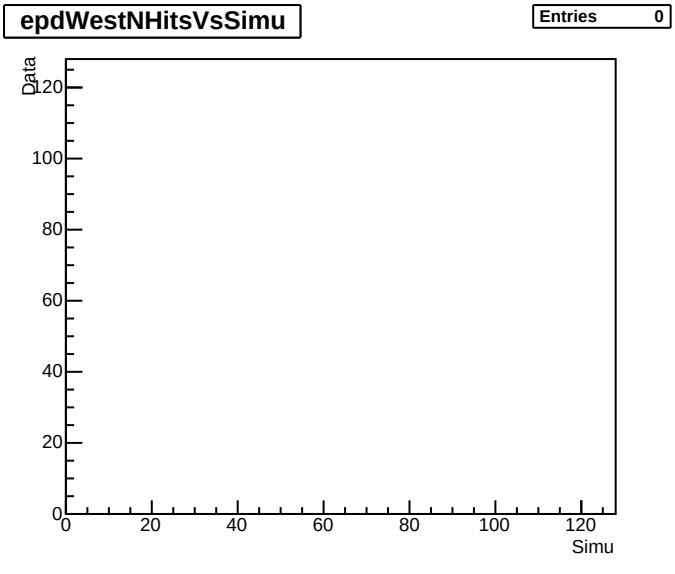
Entries 418006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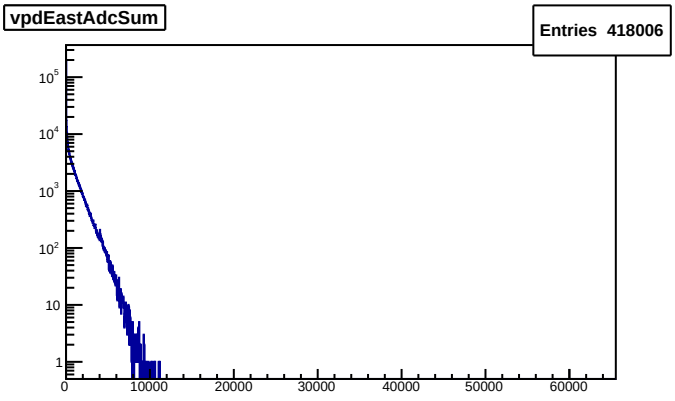
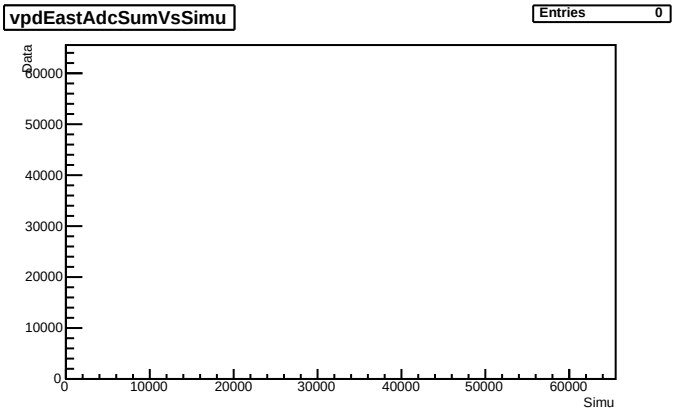
Entries 0
Data
Simu


vpdEastAdcSum
Entries 418006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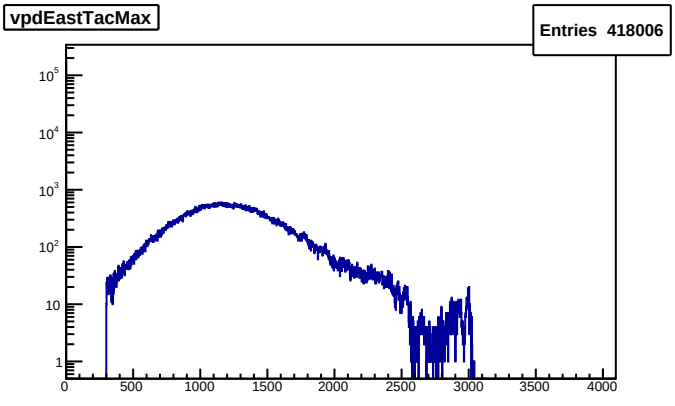
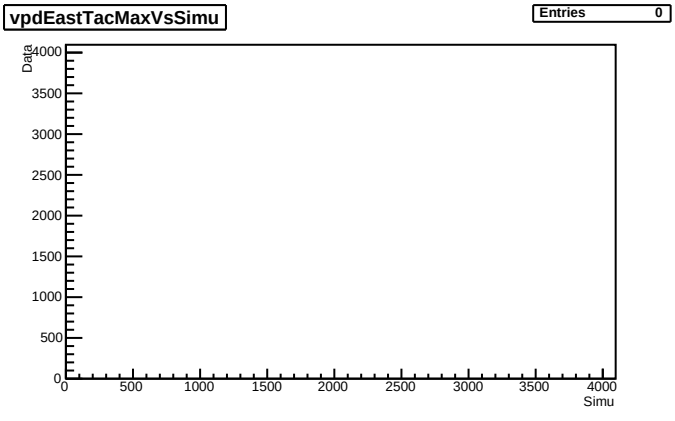
Entries 0
Data
Simu


vpdEastTacMax
Entries 418006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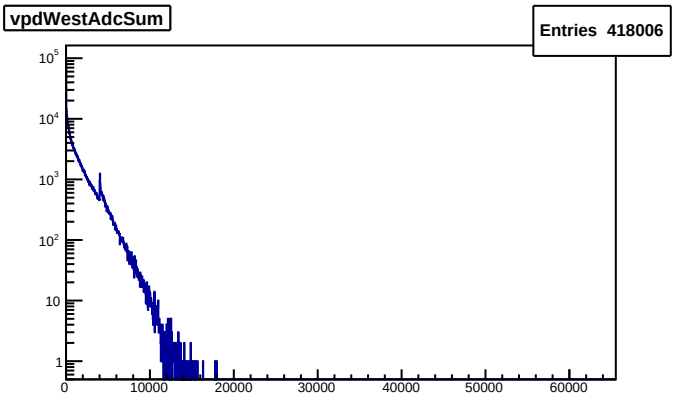
Entries 0
Data
Simu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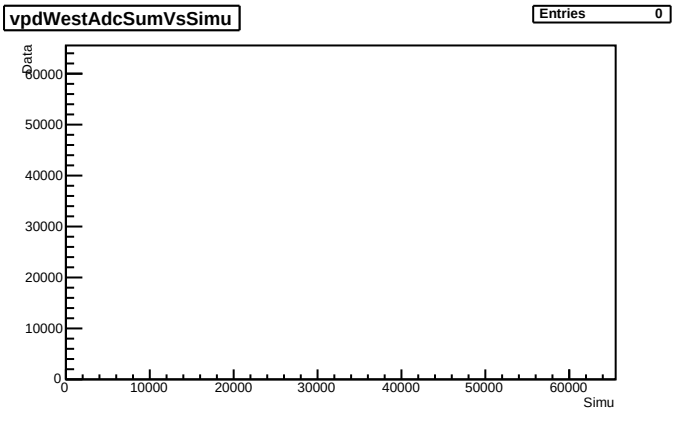
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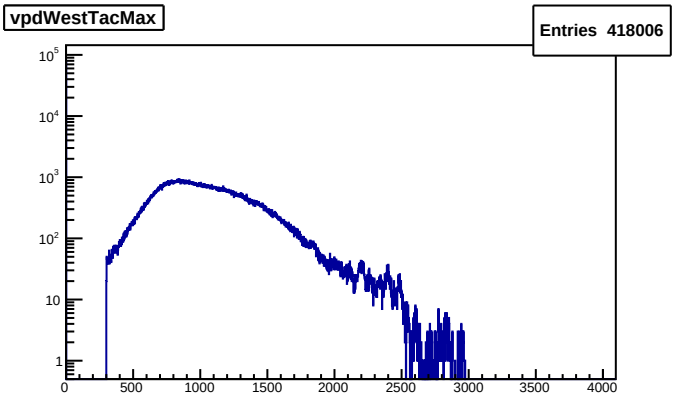
Entries 0
Data
Simu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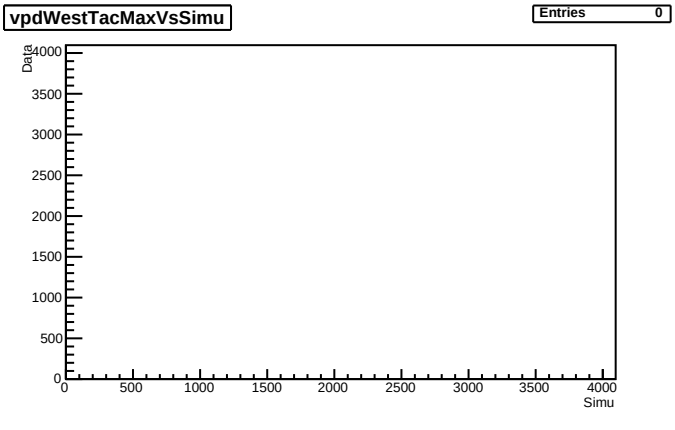
Entries 418006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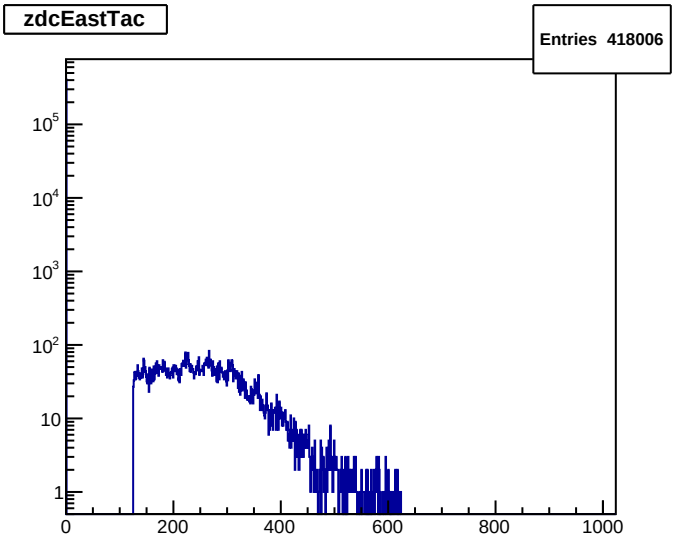
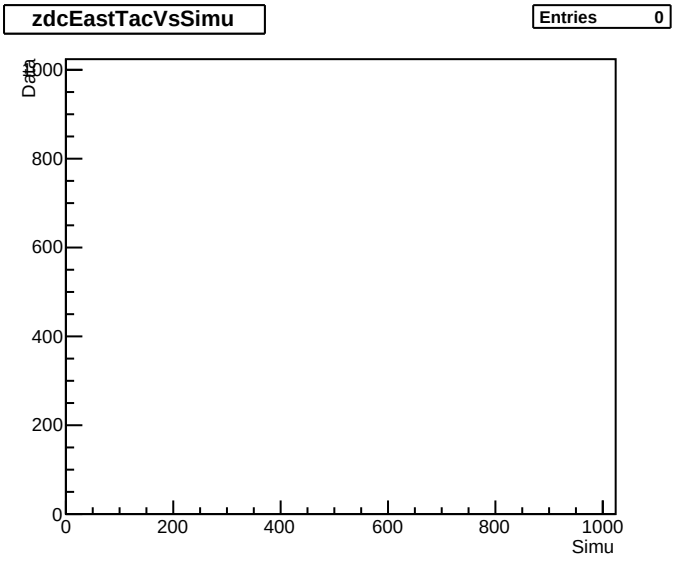
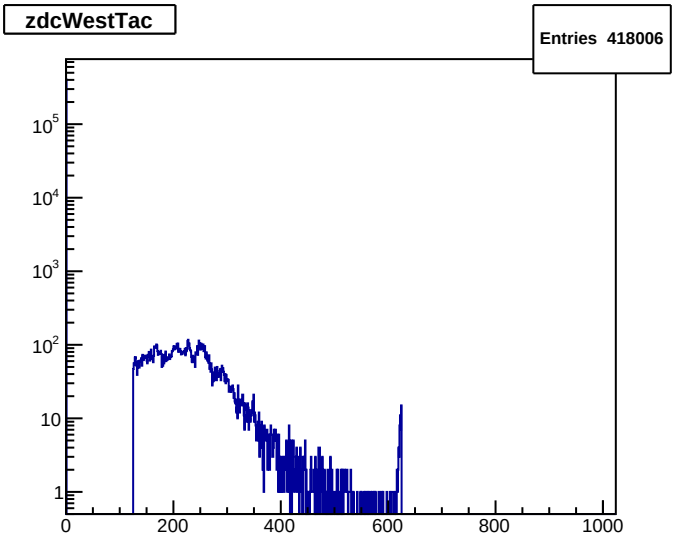
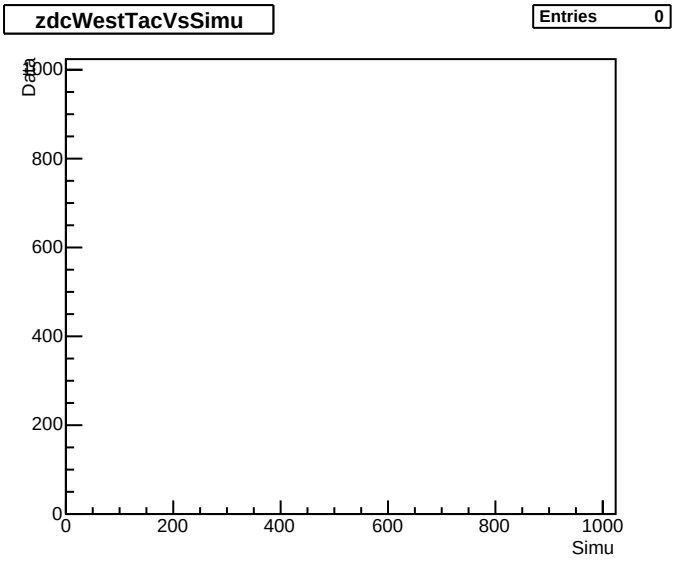
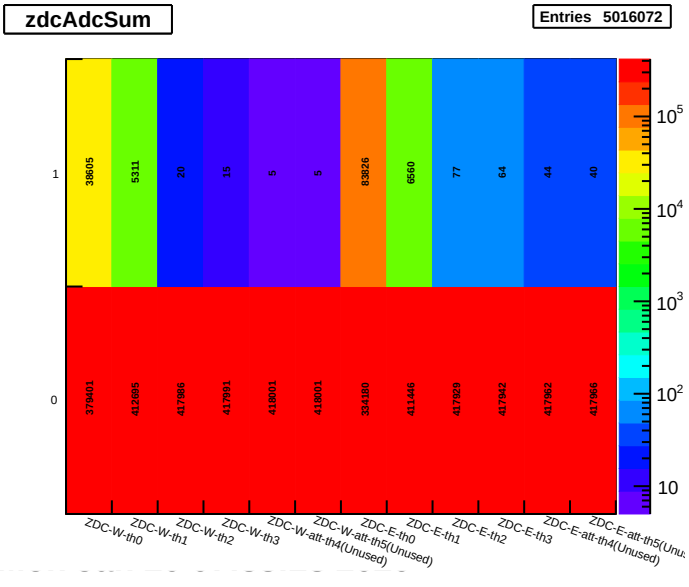
Entries 0
Data
Simu


zdcEastTac
Entries 418006
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000


zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu


zdcWestTac
Entries 418006
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000


zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu


zdcAdcSum
Entries 5016072
1
0
38605
5311
20
15
5
5
83826
6560
77
64
44
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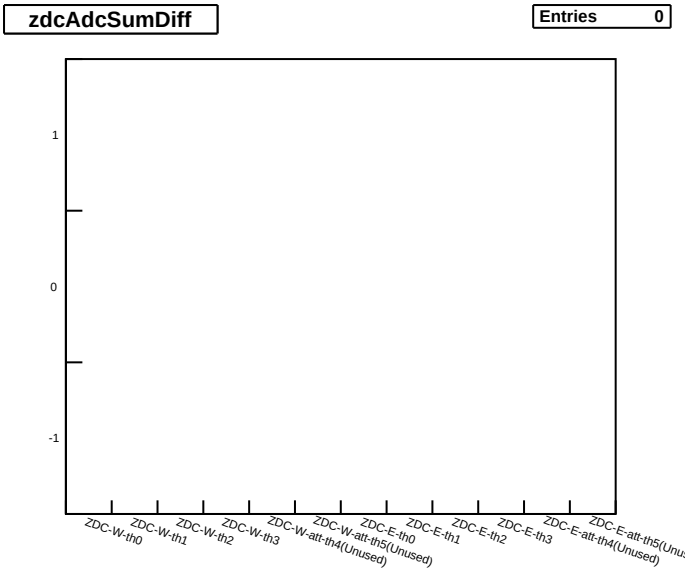
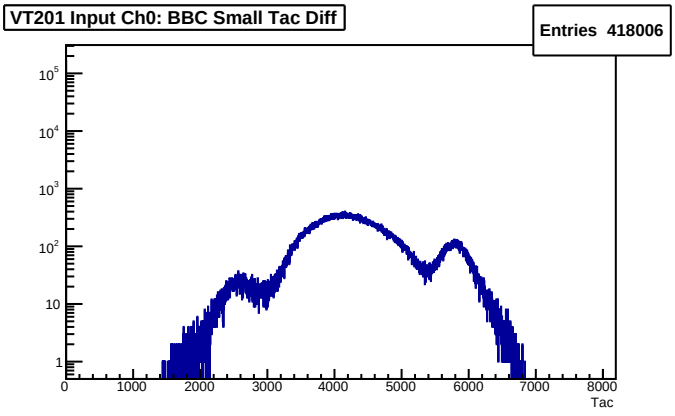
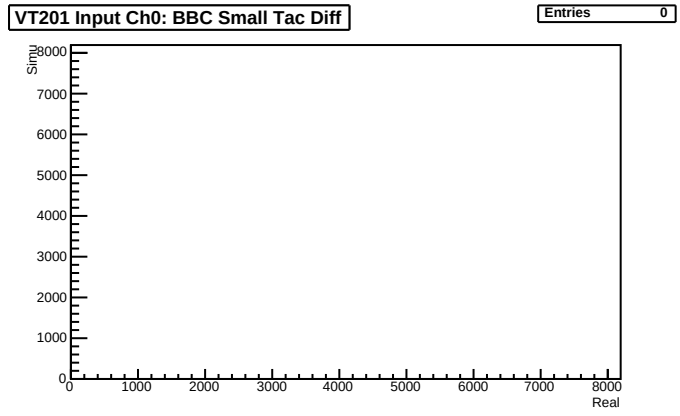
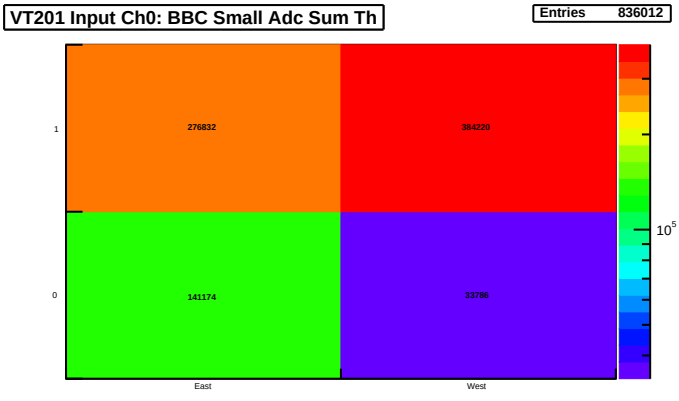
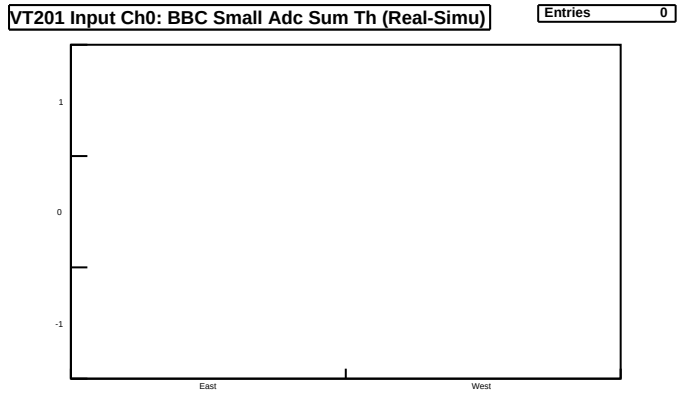
379401
412695
417986
417991
418001
418001
334180
411446
417929
417942
417962
417986
10^5
10^4
10^3
10^2
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

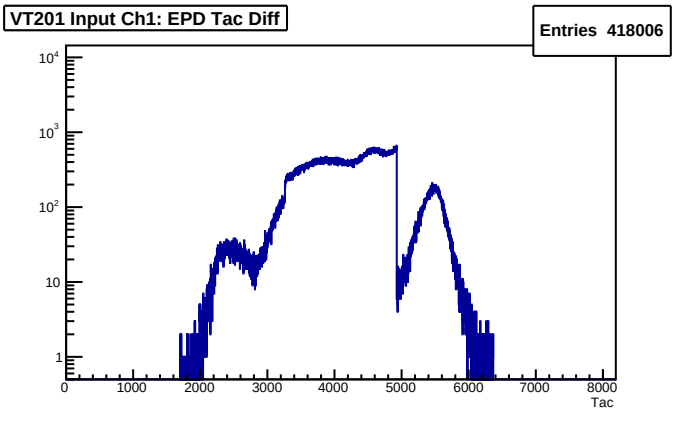

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

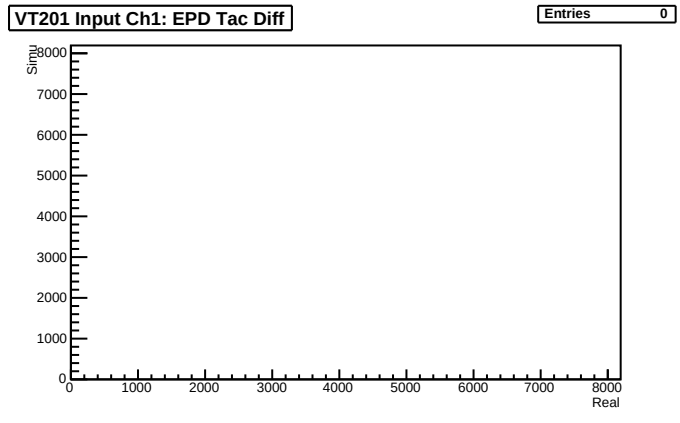

VT201 Input Ch0: BBC Small Tac Diff
Entries 418006
Tac

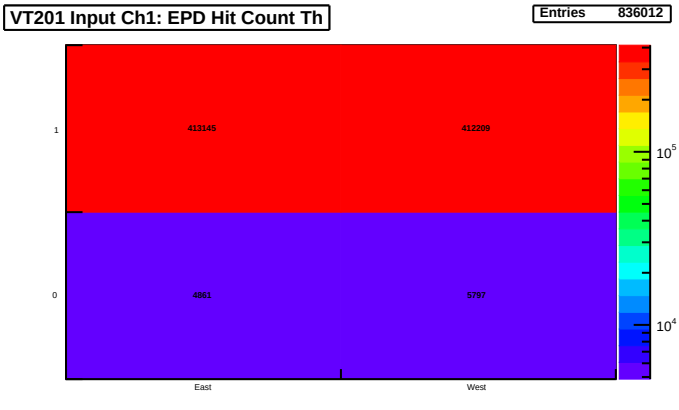

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

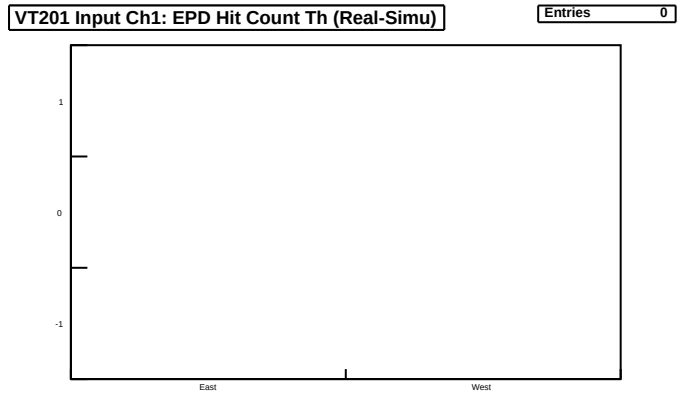

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 836012
276832
384220
141174
33786
East
West

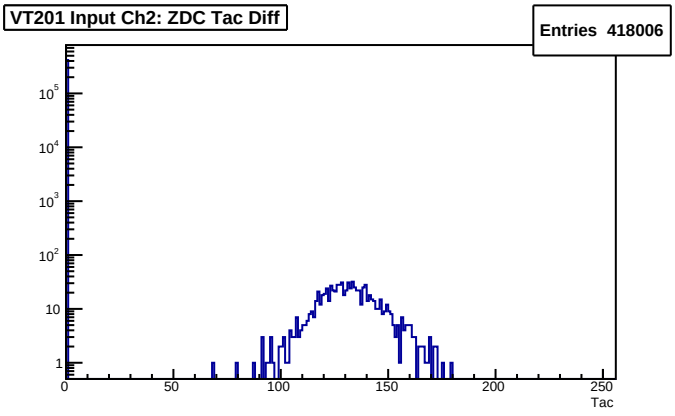

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

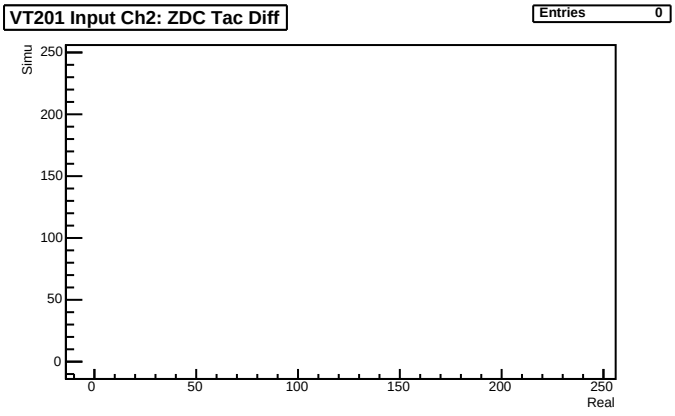

VT201 Input Ch1: EPD Tac Diff
Entries 418006
Tac

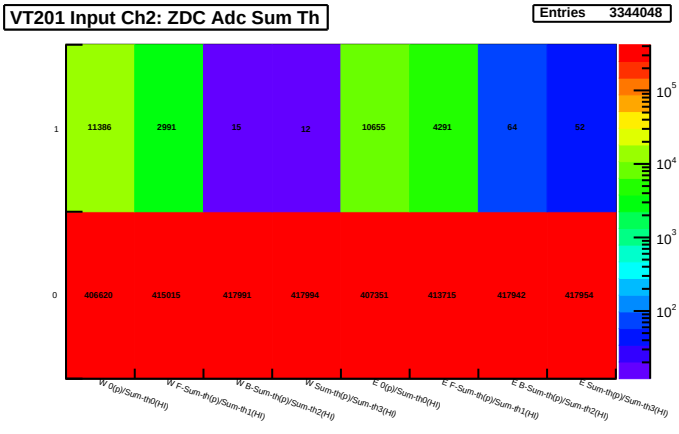

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

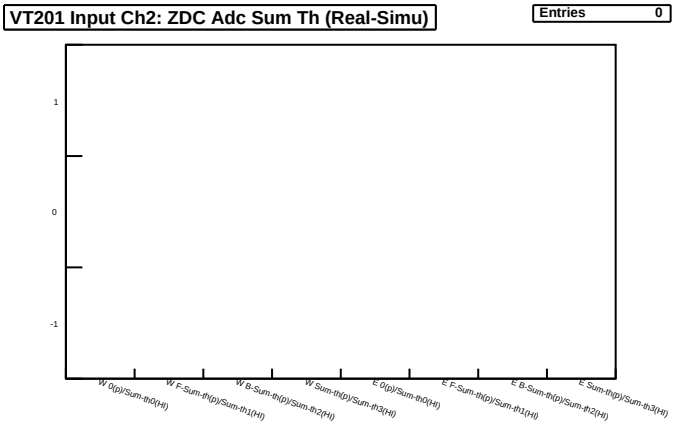

VT201 Input Ch1: EPD Hit Count Th
Entries 836012
413145
412209
4861
5797
East
West

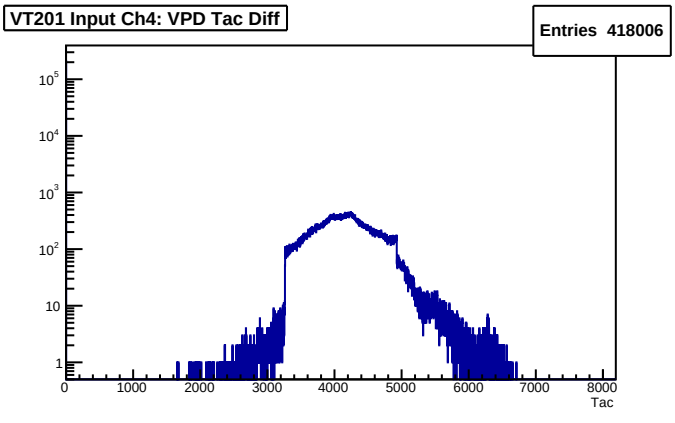

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

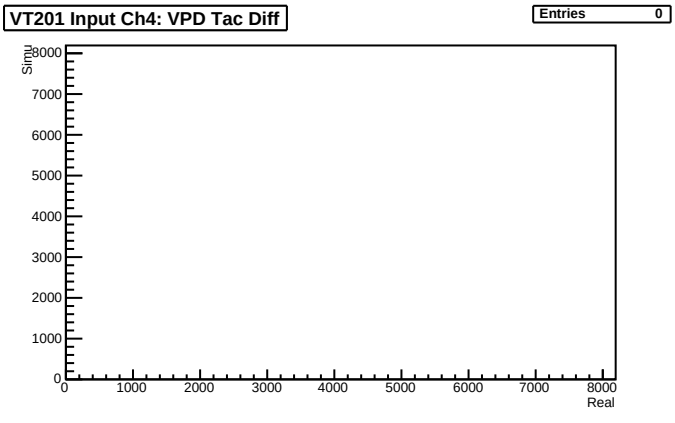

VT201 Input Ch2: ZDC Tac Diff
Entries 418006
Tac

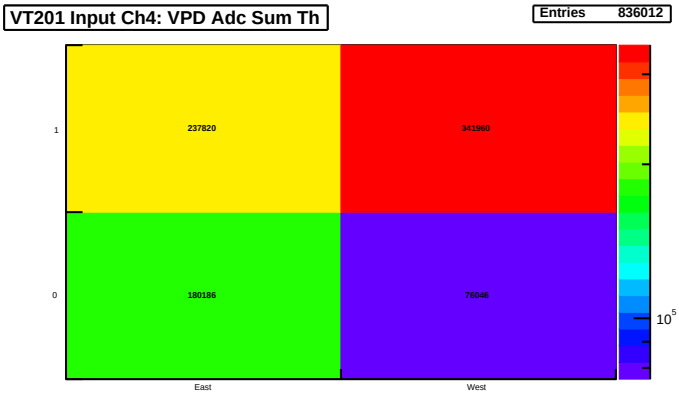

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

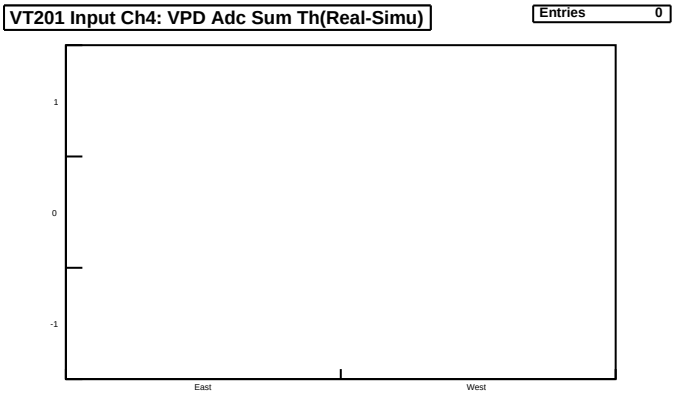

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3344048
11386
2991
15
12
10655
4291
64
52
406620
415015
417991
417994
407351
413715
417942
417954
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

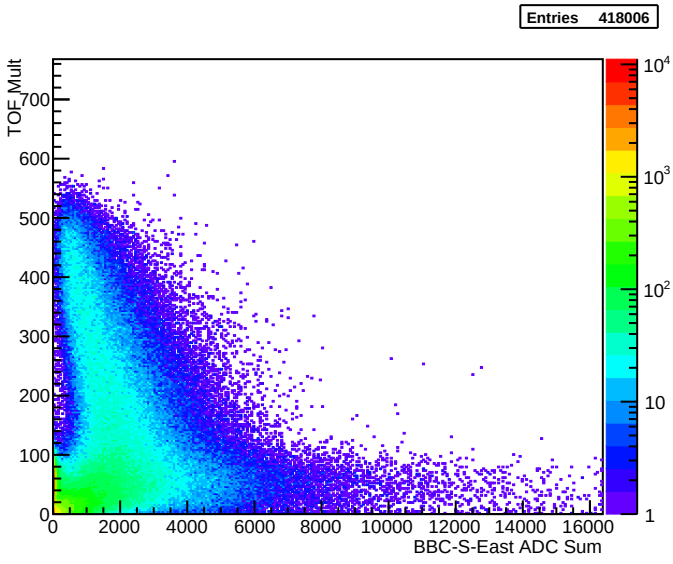

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

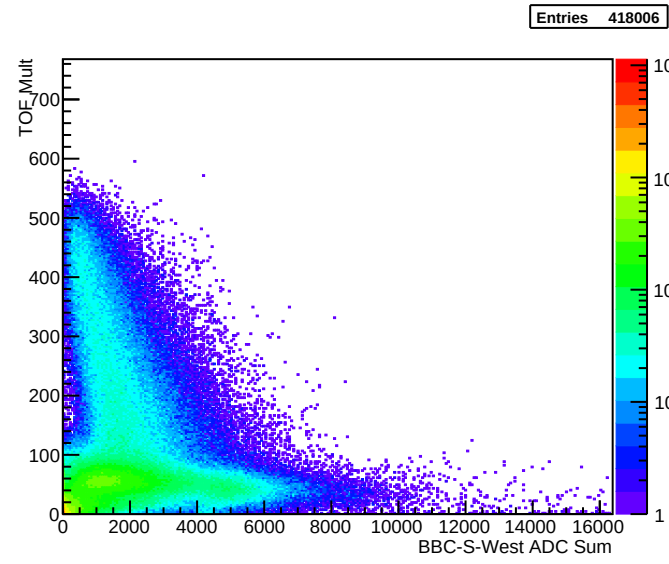

VT201 Input Ch4: VPD Tac Diff
Entries 418006
Tac

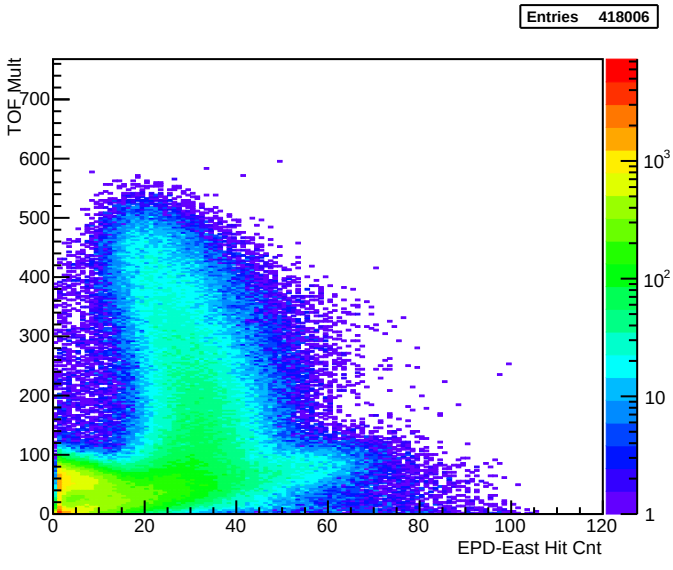

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

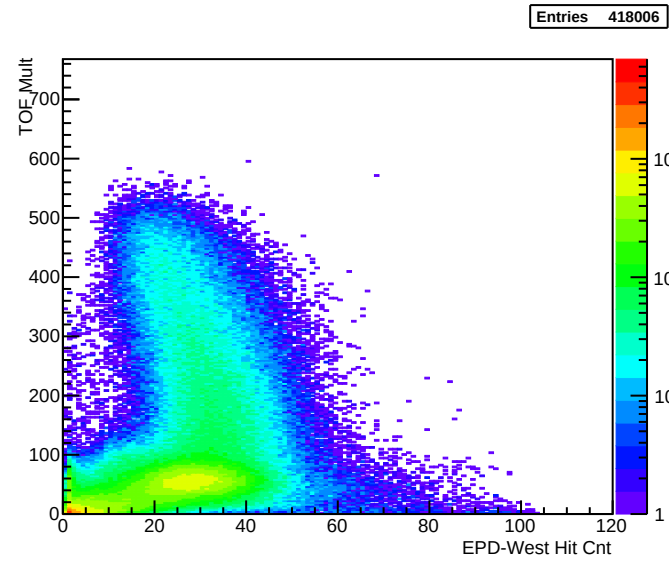

VT201 Input Ch4: VPD Adc Sum Th
Entries 836012
237820
341960
180186
76046
East
West

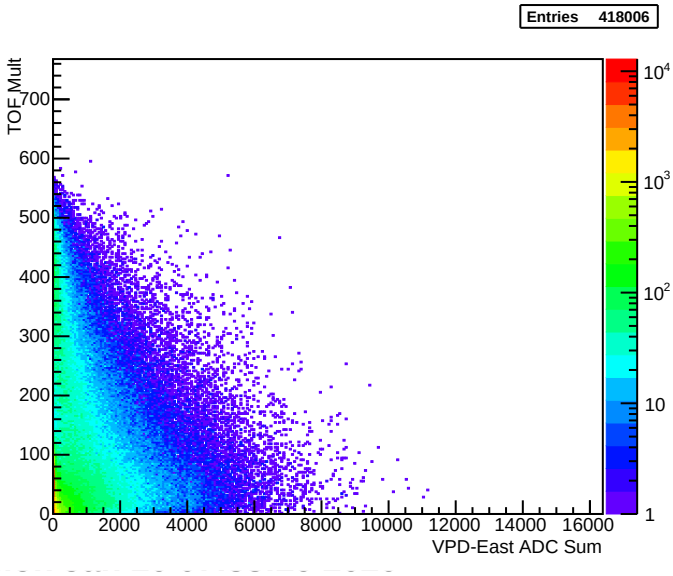

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

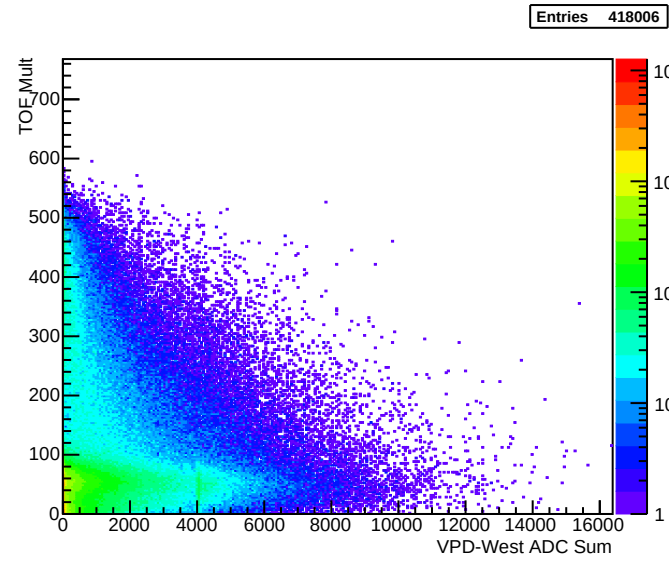

Entries 418006
TOF_Mult
BBC-S-East ADC Sum

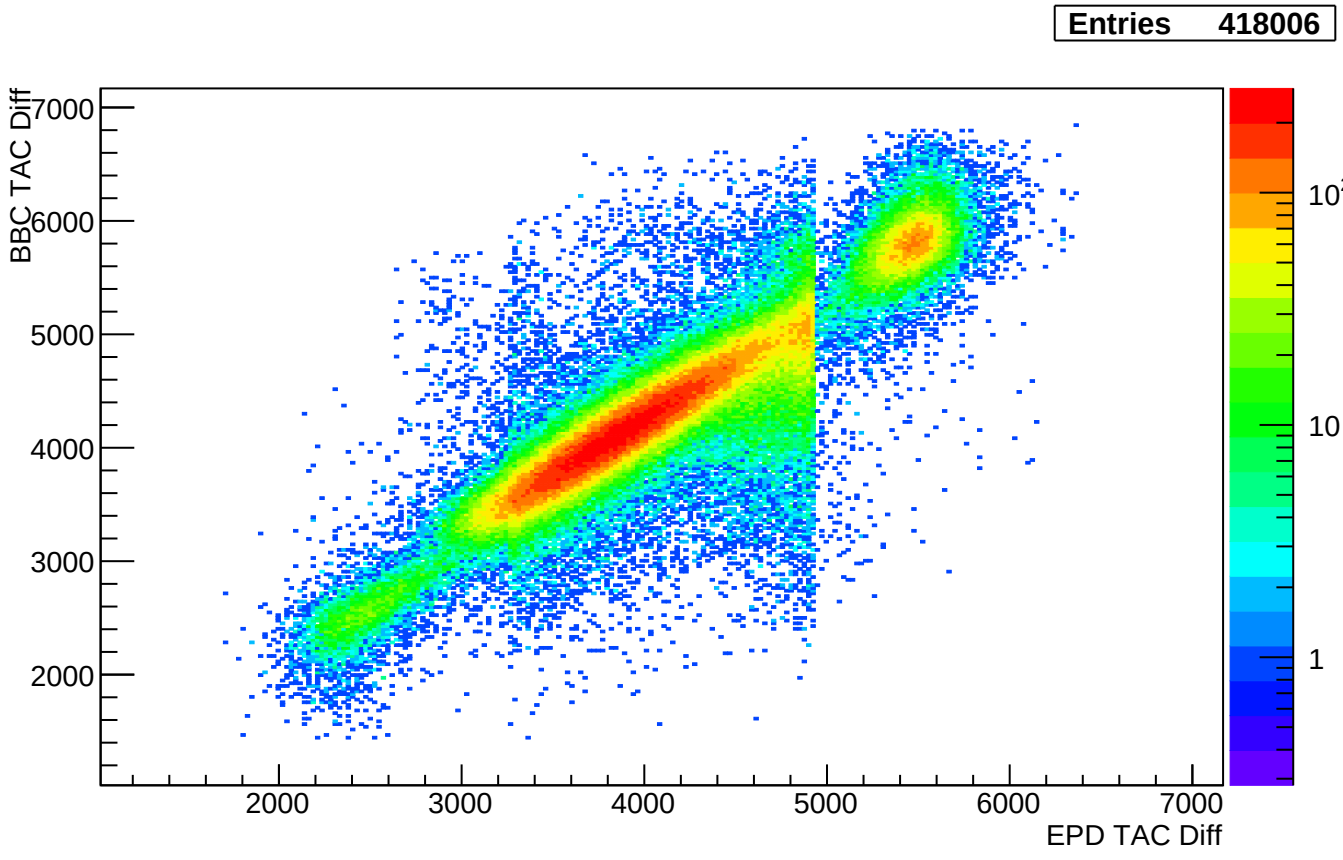

Entries 418006
TOF_Mult
BBC-S-West ADC Sum

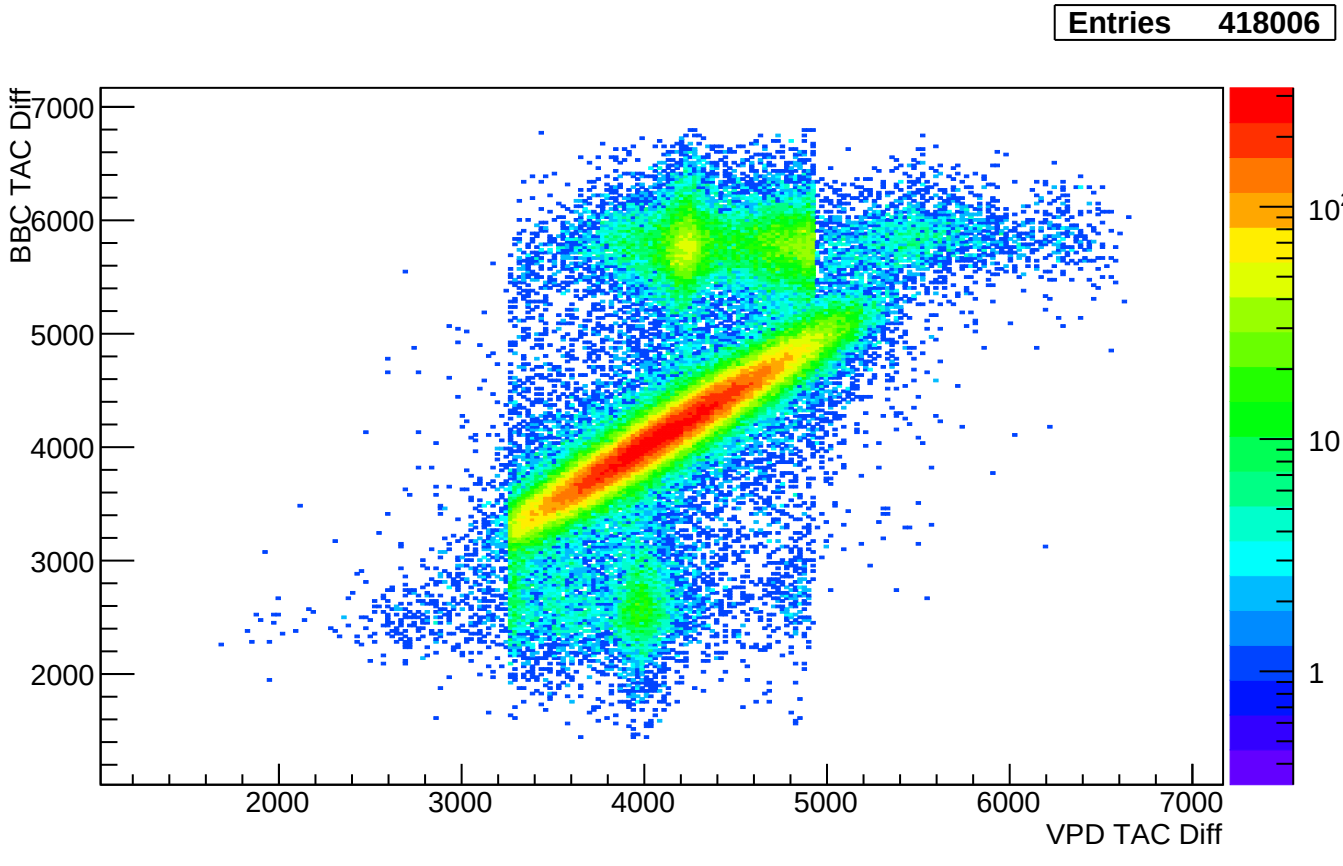

Entries 418006
TOF_Mult
EPD-East Hit Cnt

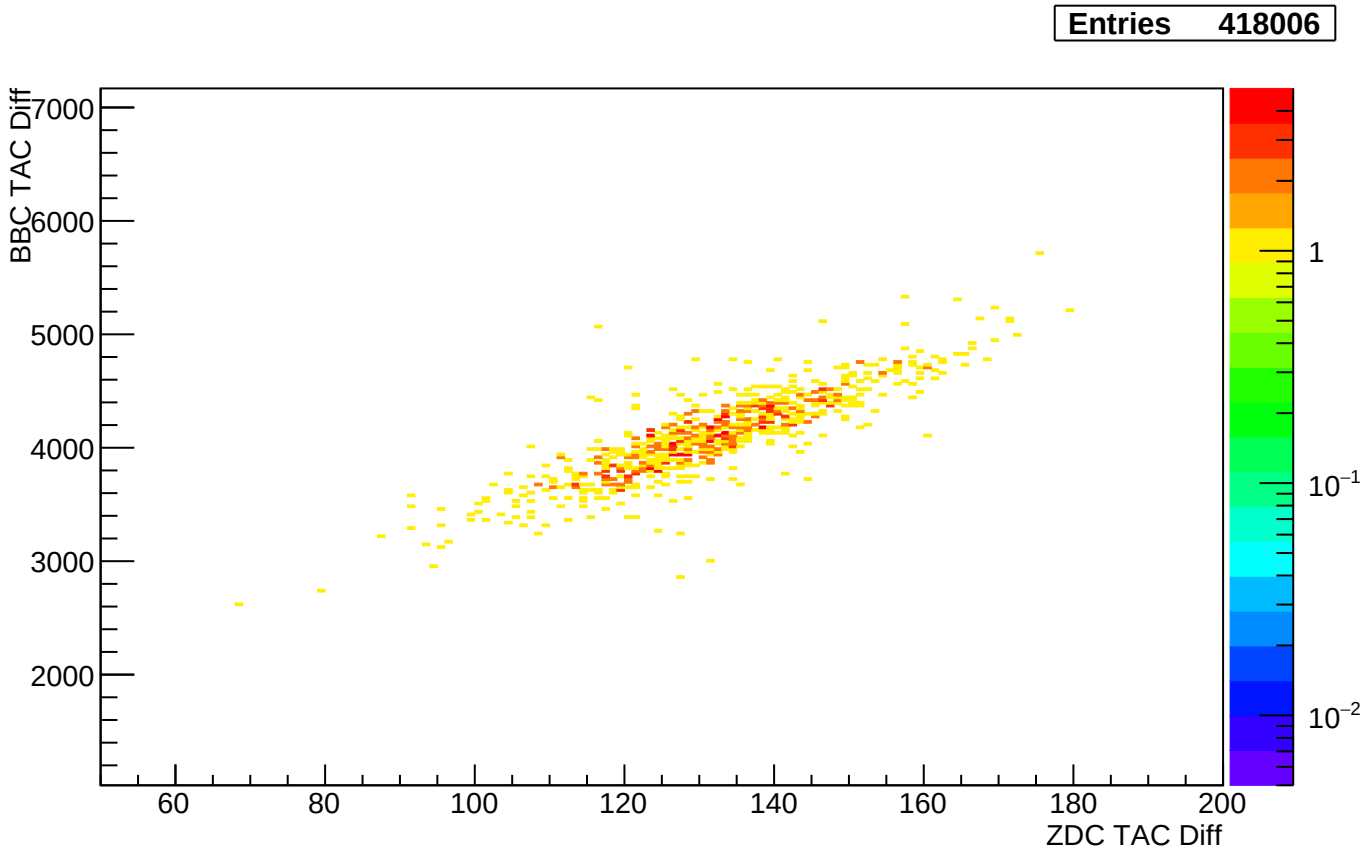

Entries 418006
TOF_Mult
EPD-West Hit Cnt

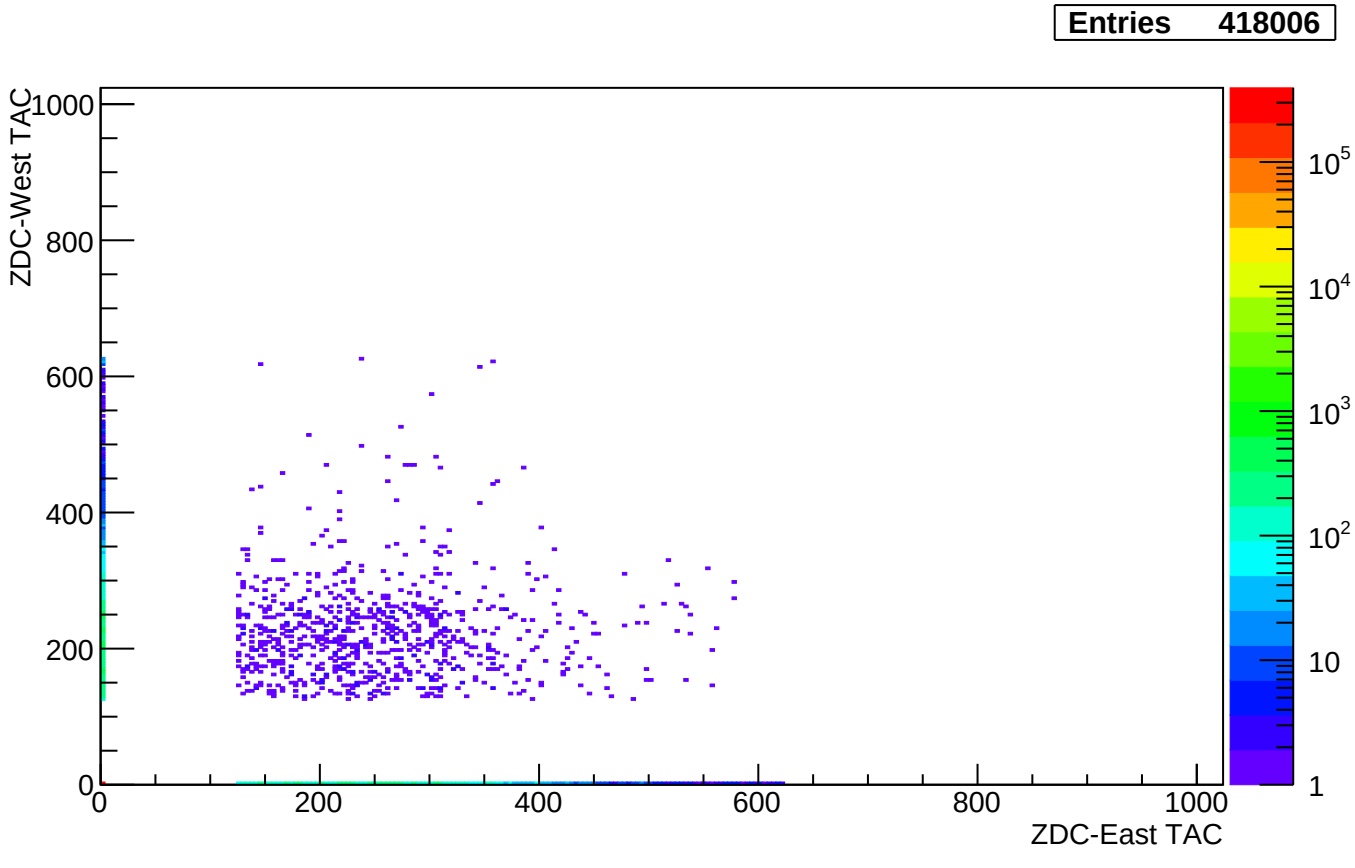

Entries 418006
TOF_Mult
VPD-East ADC Sum

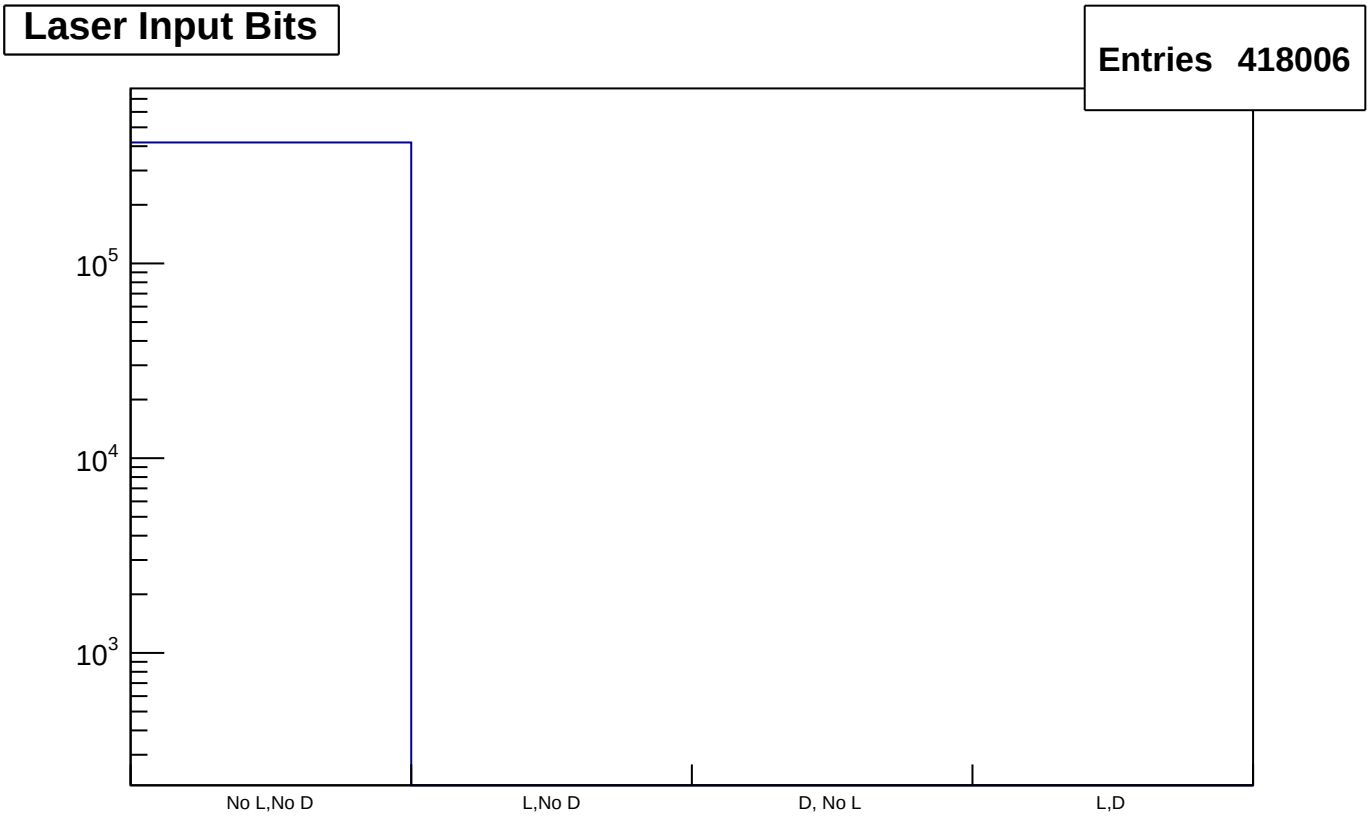

Entries 418006
TOF_Mult
VPD-West ADC Sum

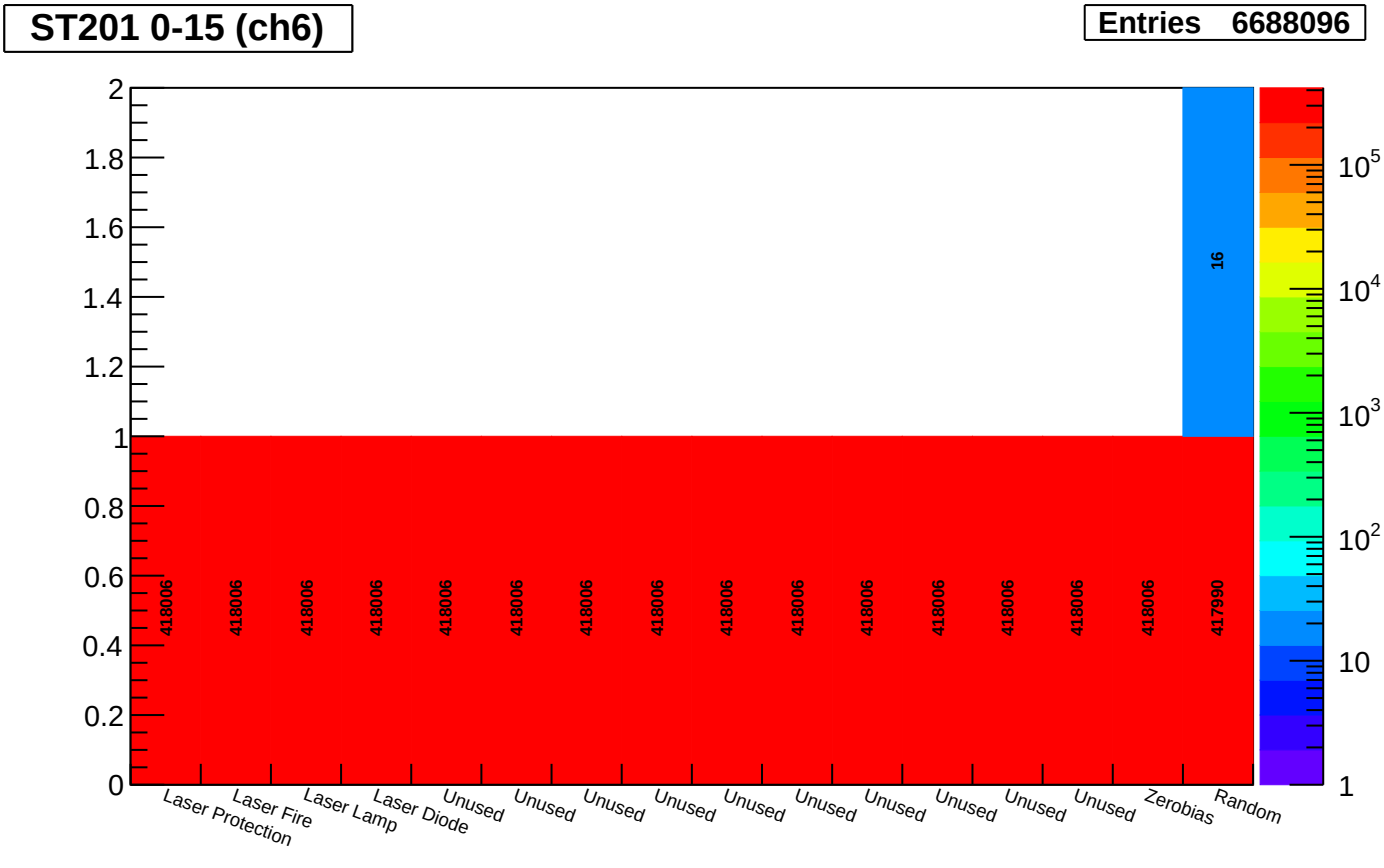

Entries 418006
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

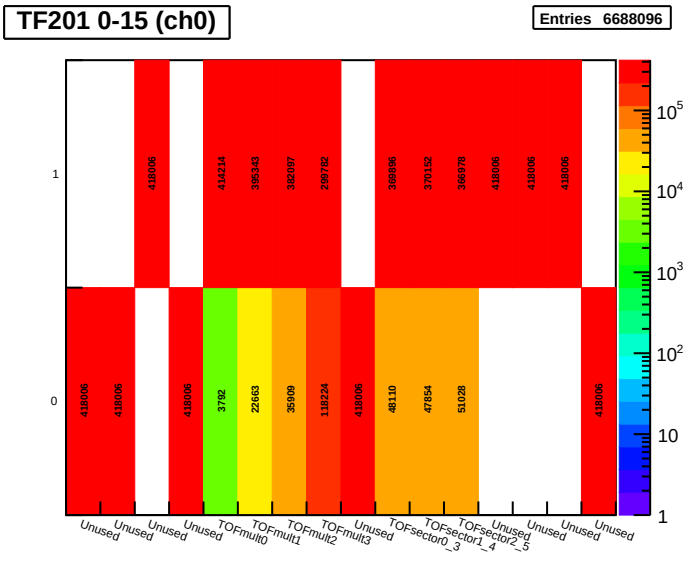

Entries 418006
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

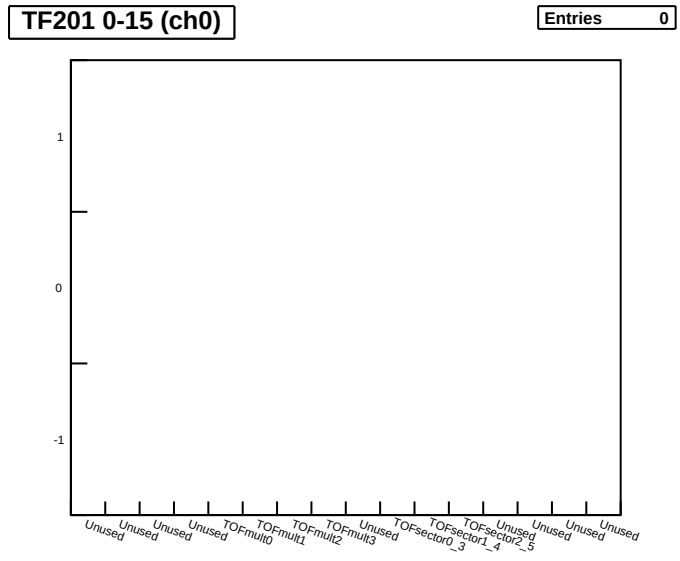

Entries 418006
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

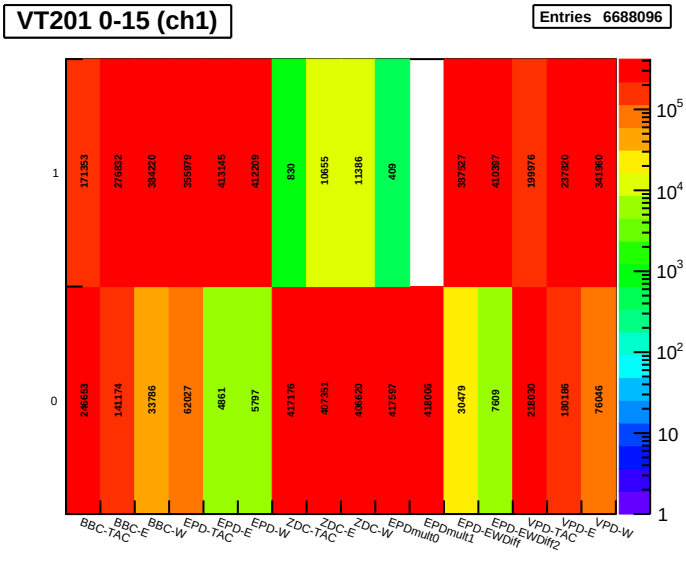

Entries 418006
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

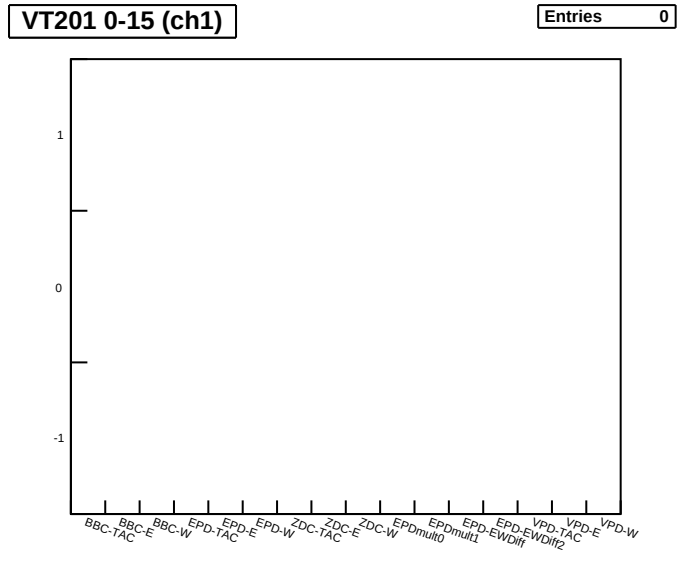

Laser Input Bits
Entries 418006
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

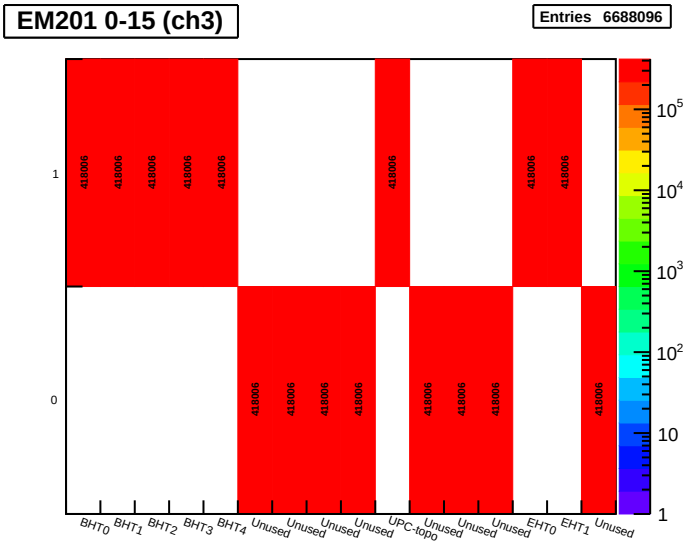

ST201 0-15 (ch6)
Entries 6688096
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
418006
418006
418006
418006
418006
418006
418006
418006
418006
418006
418006
418006
418006
418006
418006
417990
16
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

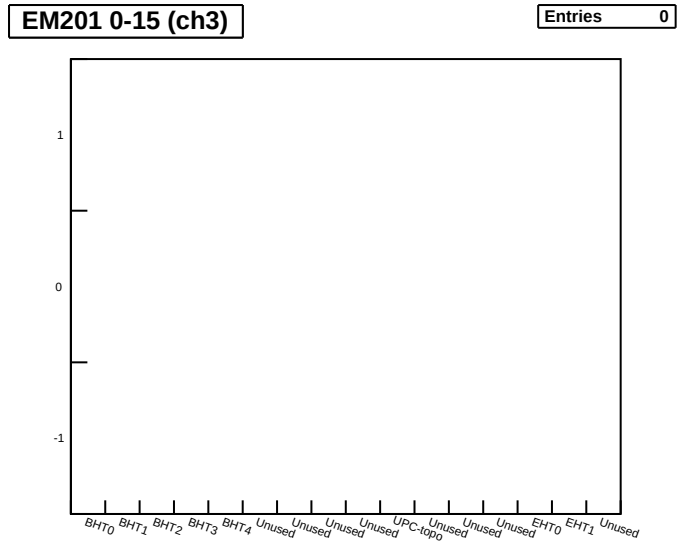

TF201 0-15 (ch0)
Entries 6688096
1
0
418006 414214 395343 382097 299782 369896 370152 366978 418006 418006 418006
418006 418006 418006 3792 22663 35909 118224 418006 48110 47854 51028 418006
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^5 10^4 10^3 10^2 10 1


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


VT201 0-15 (ch1)
Entries 6688096
1
0
171353 276832 364220 355979 413145 412299 830 10655 11386 409 387527 410397 199976 237820 341960
246653 141174 33786 62027 4661 5797 417176 407351 406620 417597 418006 30479 7609 218030 180186 76046
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W
10^5 10^4 10^3 10^2 10 1


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


EM201 0-15 (ch3)
Entries 6688096
1
0
418006 418006 418006 418006 418006 418006 418006 418006
418006 418006 418006 418006 418006 418006 418006 418006
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
10^5 10^4 10^3 10^2 10 1


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