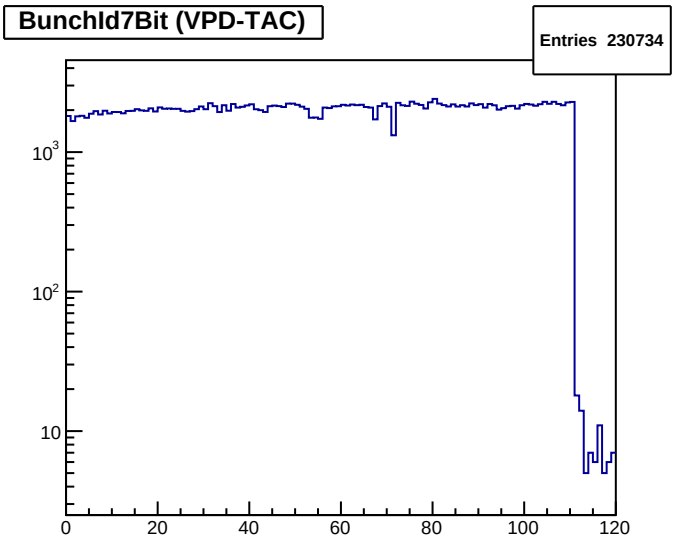
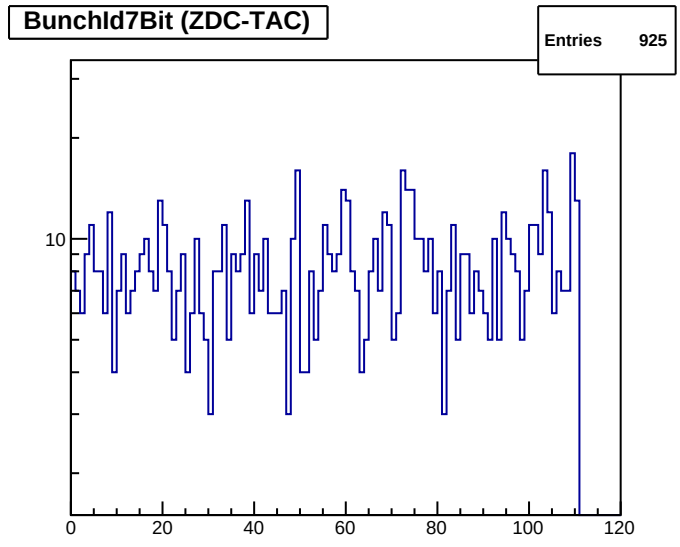
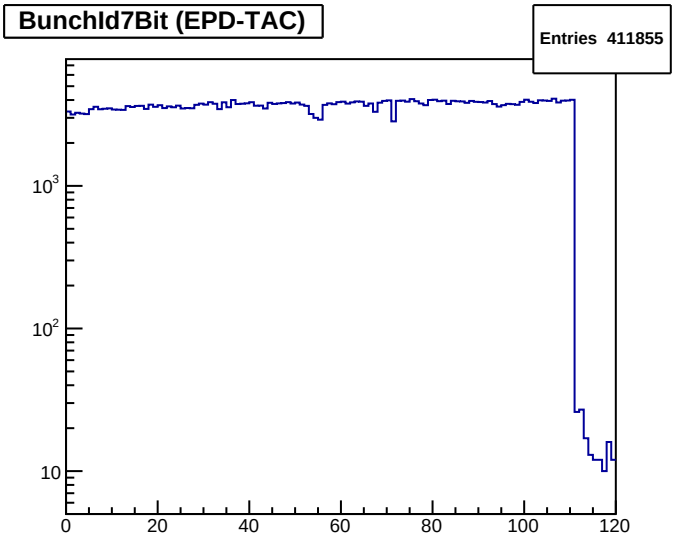
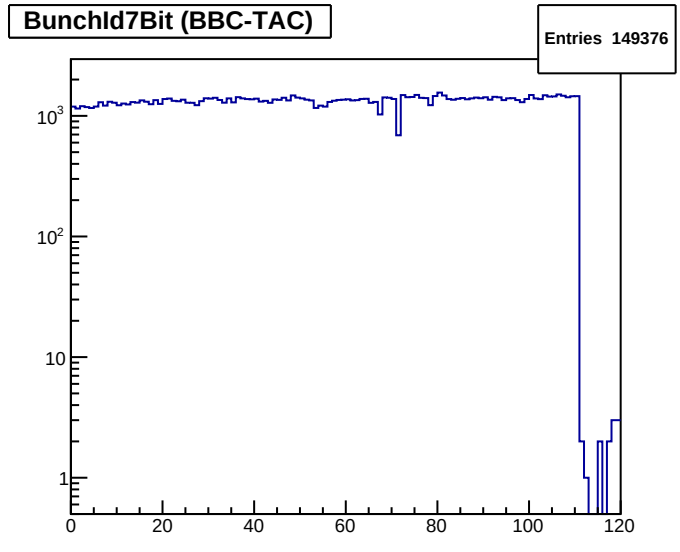
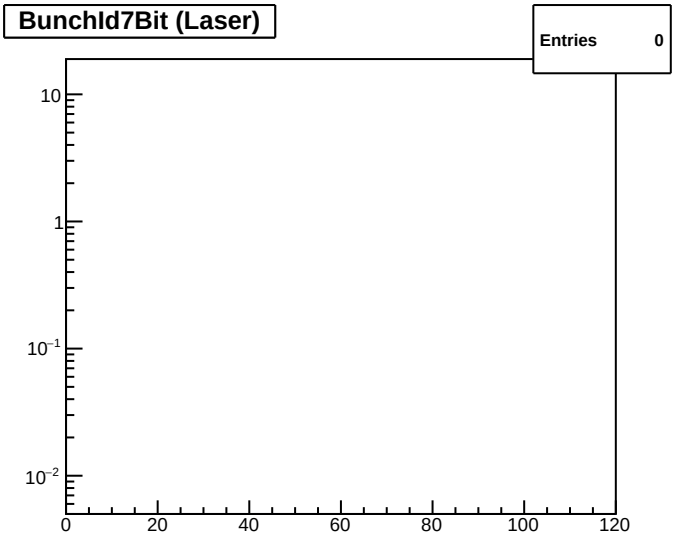
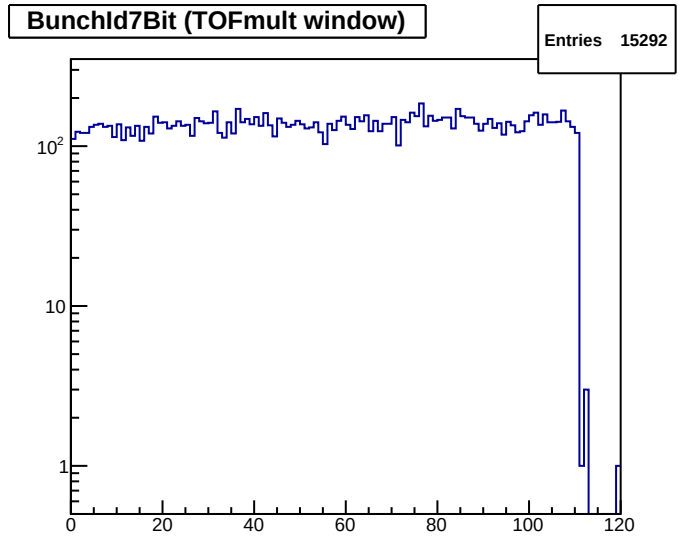

BunchId7Bit (VPD-TAC)
Entries 230734
10^3
10^2
10
0 20 40 60 80 100 120

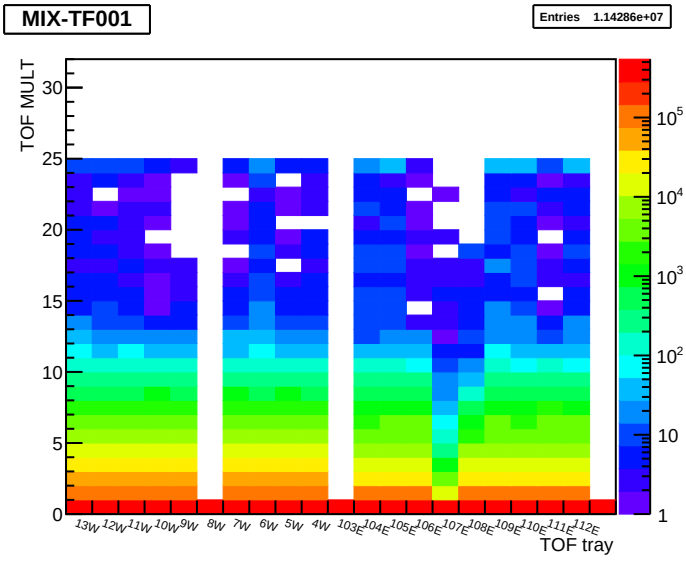

BunchId7Bit (ZDC-TAC)
Entries 925
10
0 20 40 60 80 100 120

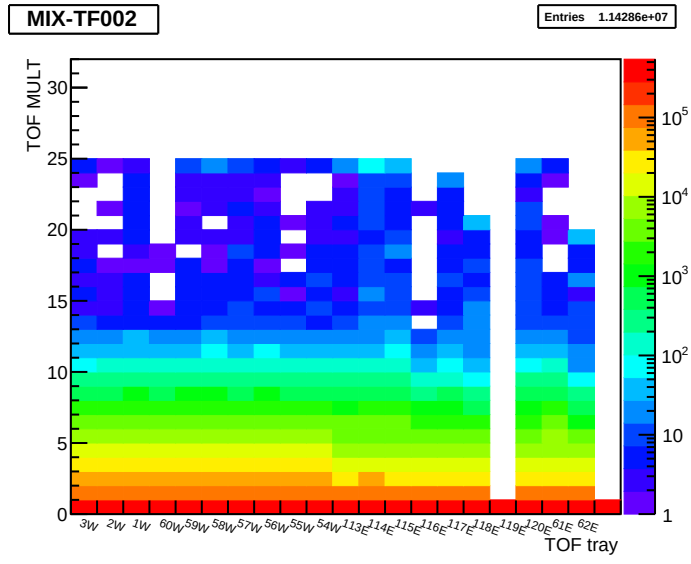

BunchId7Bit (EPD-TAC)
Entries 411855
10^3
10^2
10
0 20 40 60 80 100 120

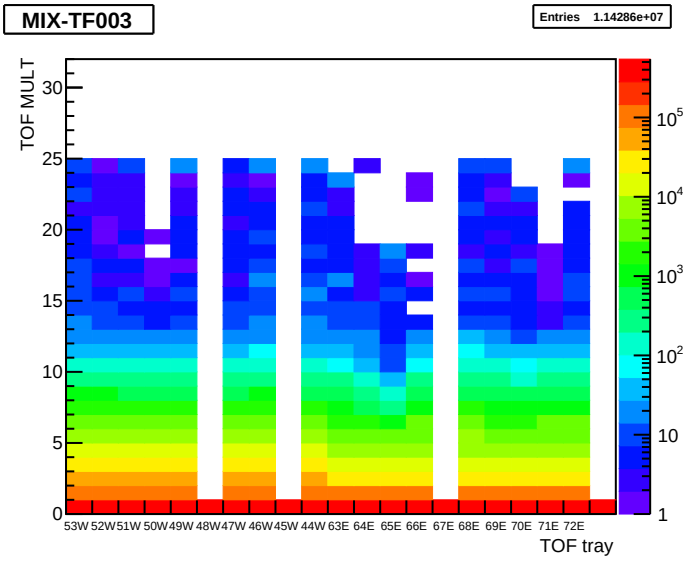

BunchId7Bit (BBC-TAC)
Entries 149376
10^3
10^2
10
1
0 20 40 60 80 100 120

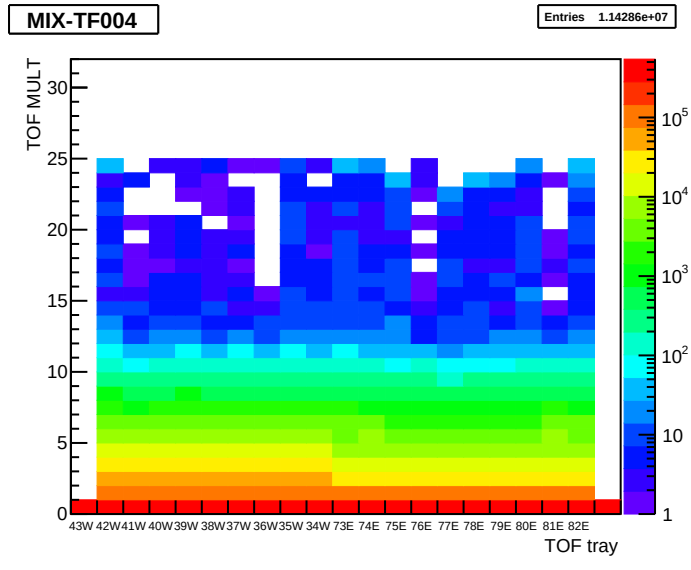

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

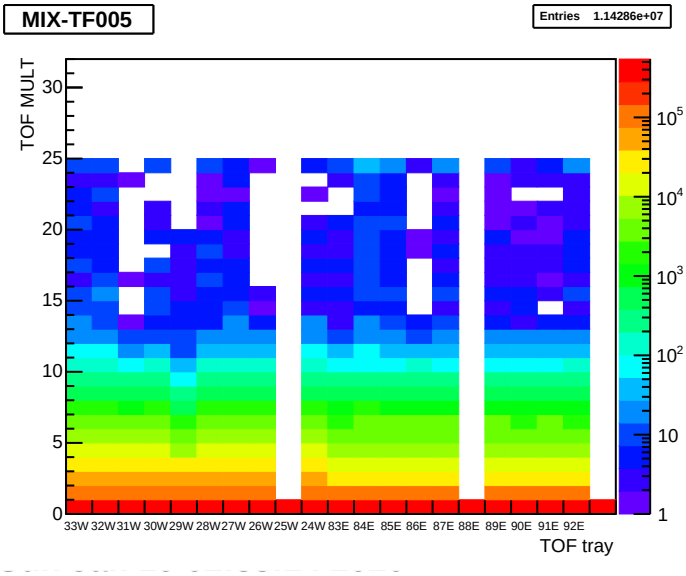

BunchId7Bit (TOFmult window)
Entries 15292
10^2
10
1
0 20 40 60 80 100 120

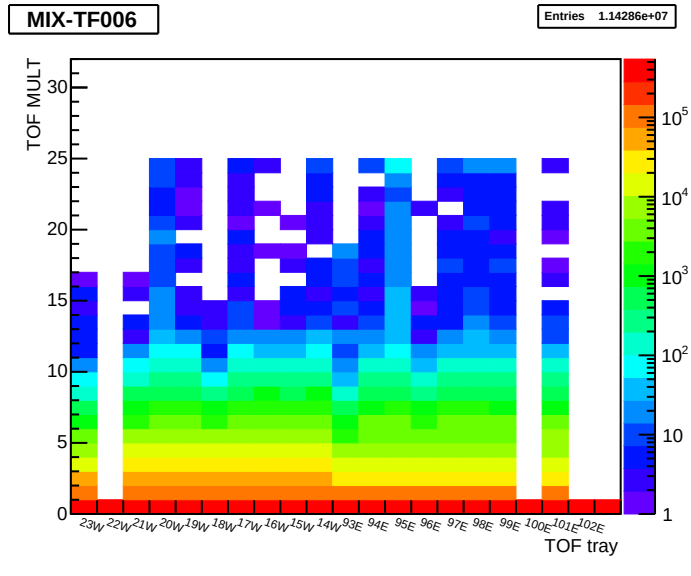

MIX-TF001
Entries 1.14286e+07
TOF MULT
TOF tray

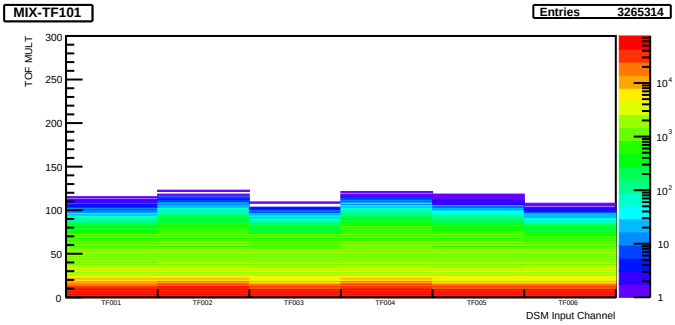

MIX-TF002
Entries 1.14286e+07
TOF MULT
TOF tray

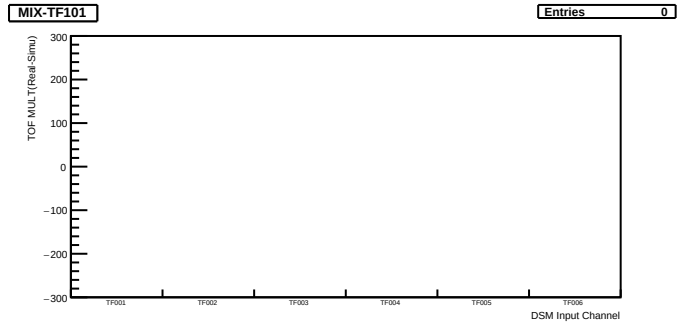

MIX-TF003
Entries 1.14286e+07
TOF MULT
TOF tray

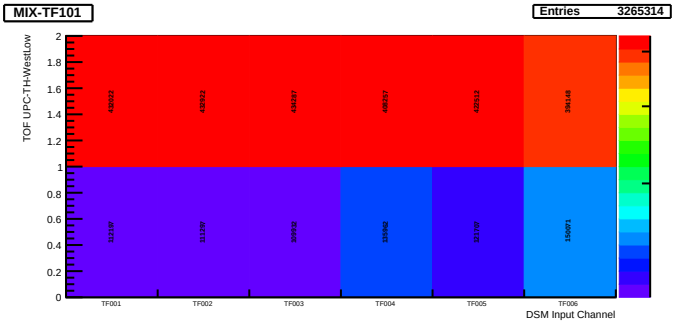

MIX-TF004
Entries 1.14286e+07
TOF MULT
TOF tray

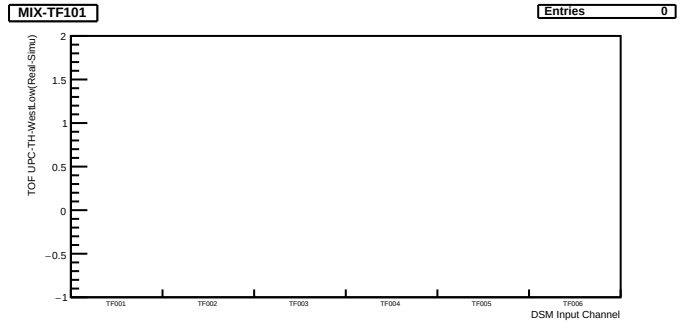

MIX-TF005
Entries 1.14286e+07
TOF MULT
TOF tray

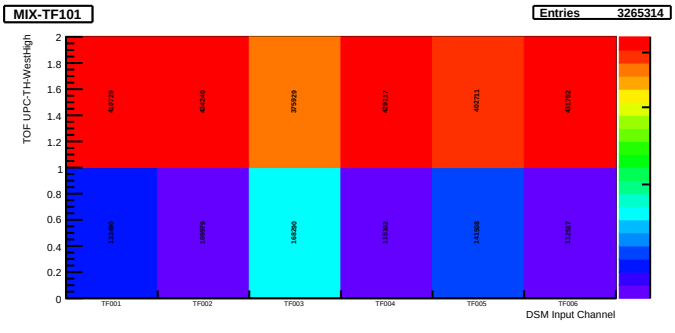

MIX-TF006
Entries 1.14286e+07
TOF MULT
TOF tray

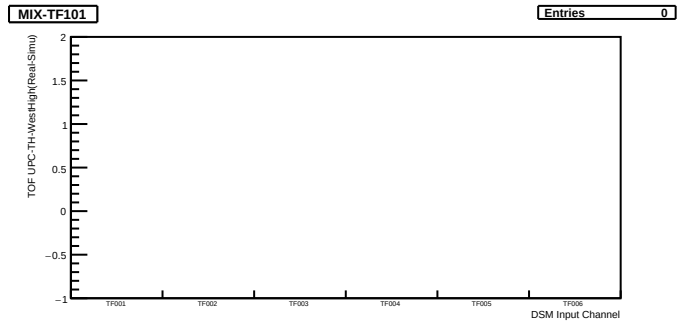

MIX-TF101
Entries 3265314
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

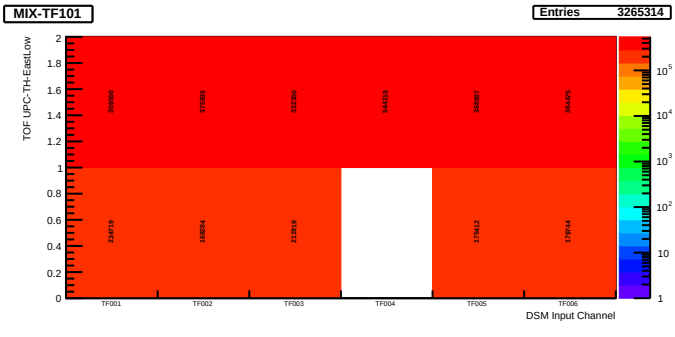

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

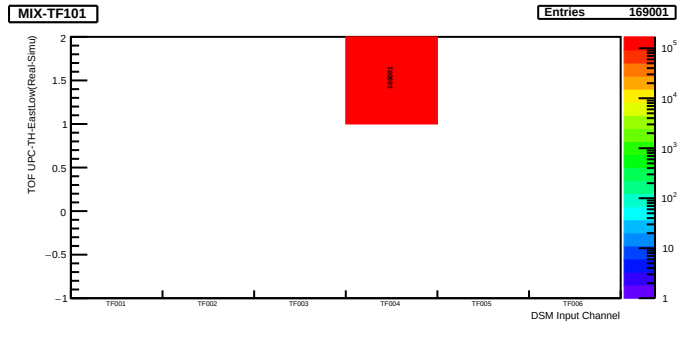

MIX-TF101
Entries 3265314
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

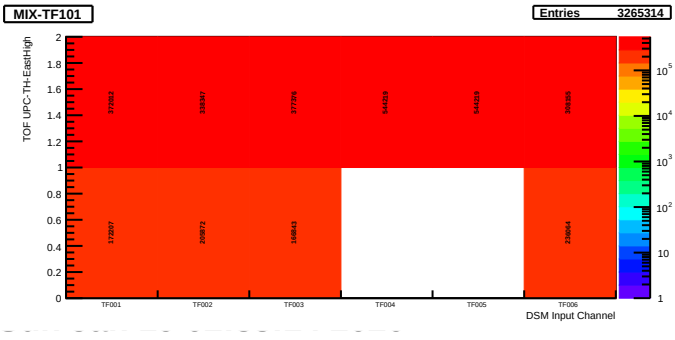

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

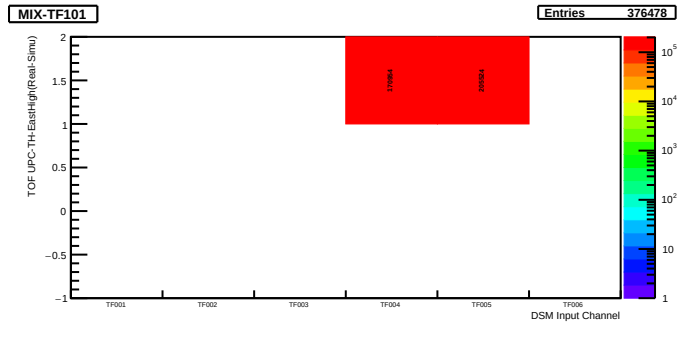

MIX-TF101
Entries 3265314
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

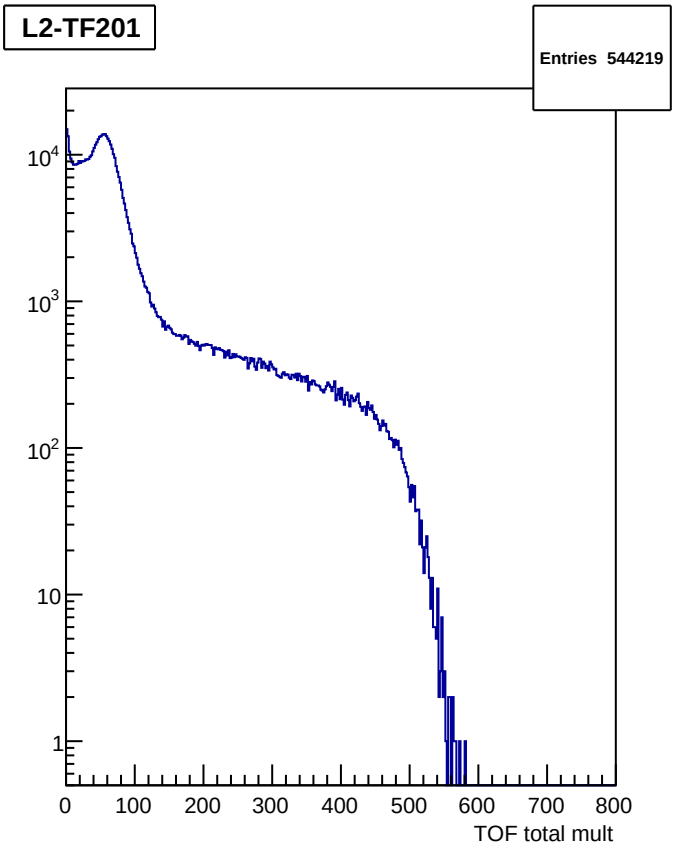

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

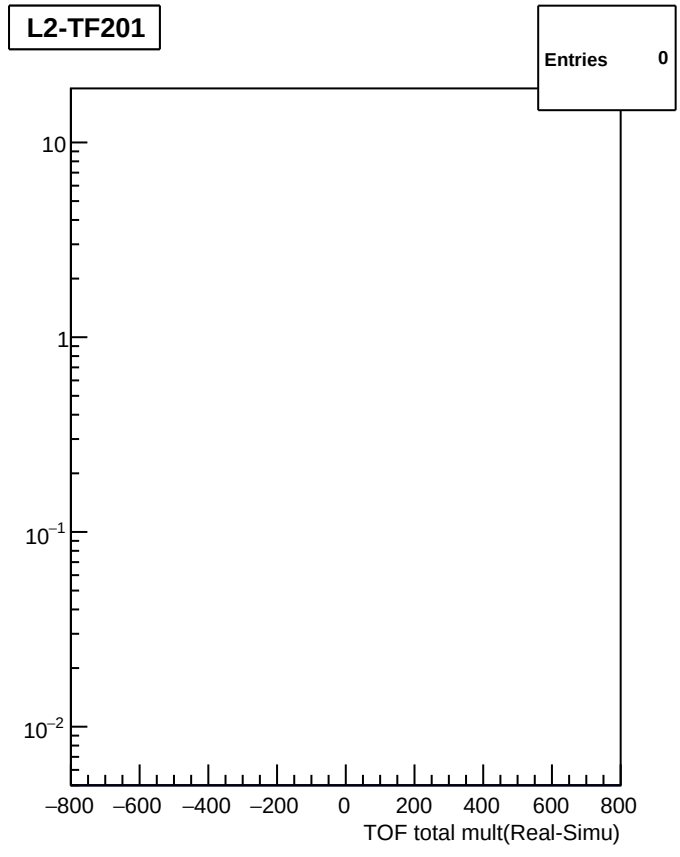

MIX-TF101
Entries 3265314
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

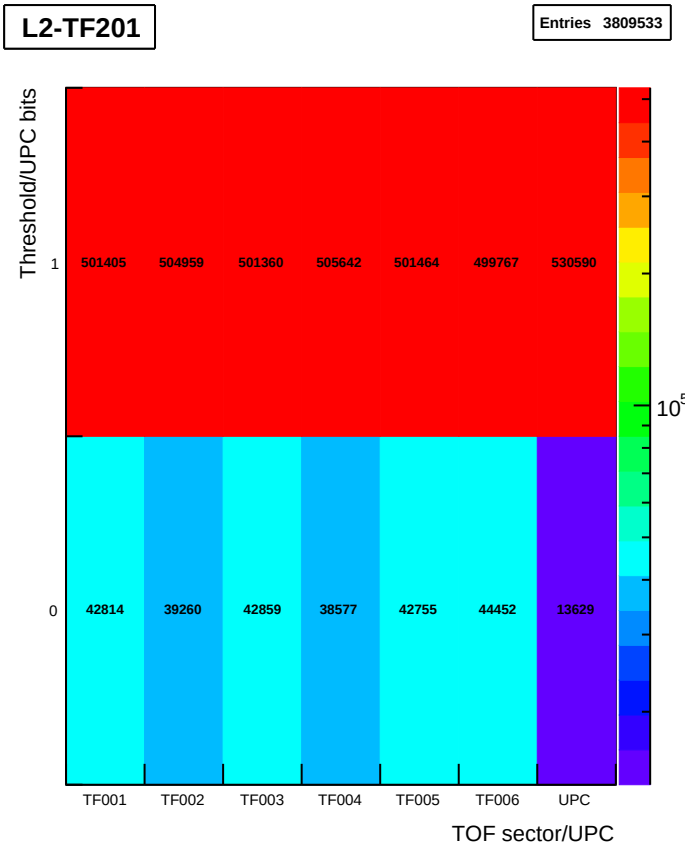

MIX-TF101
Entries 169001
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

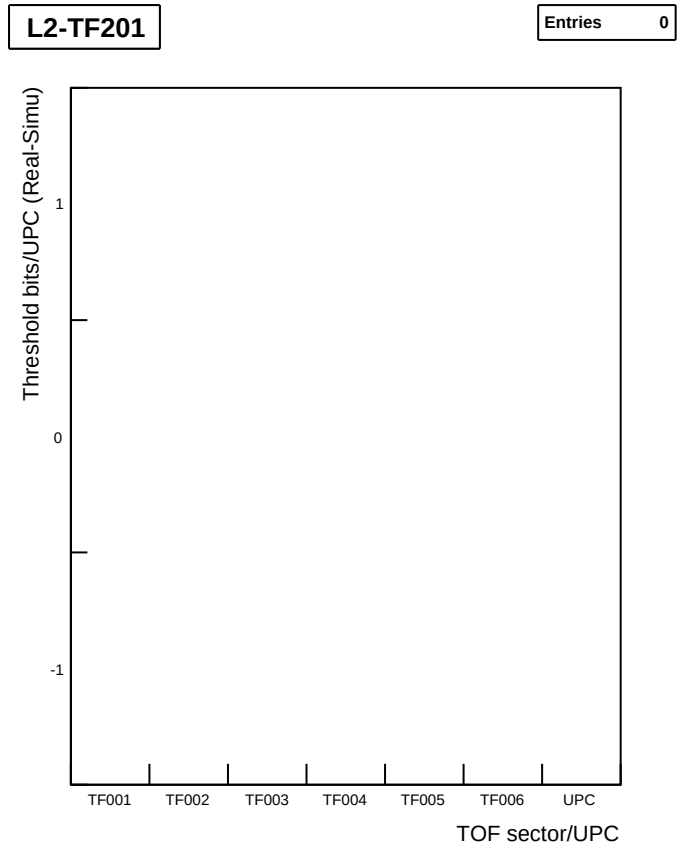

MIX-TF101
Entries 3265314
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

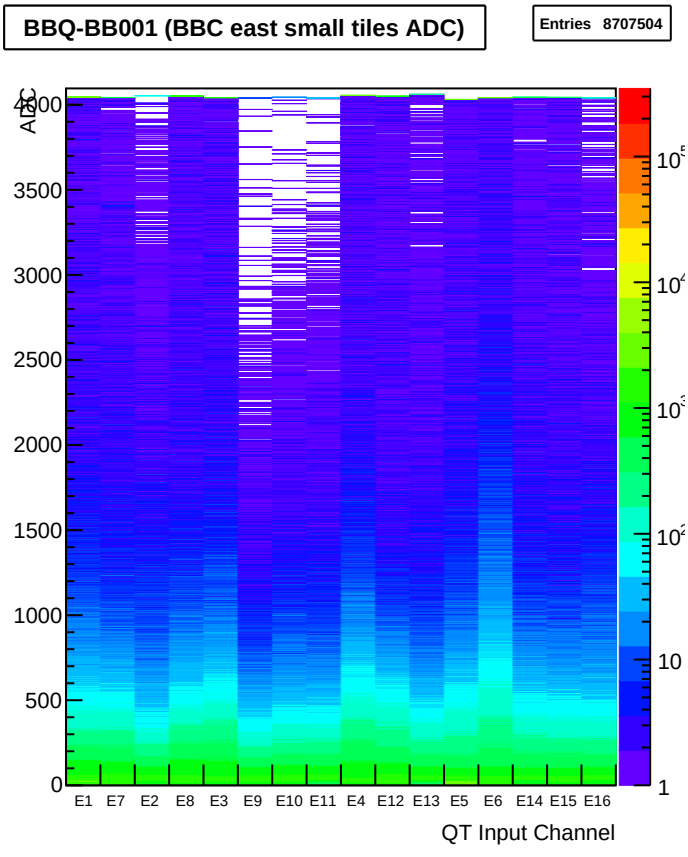

MIX-TF101
Entries 376478
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

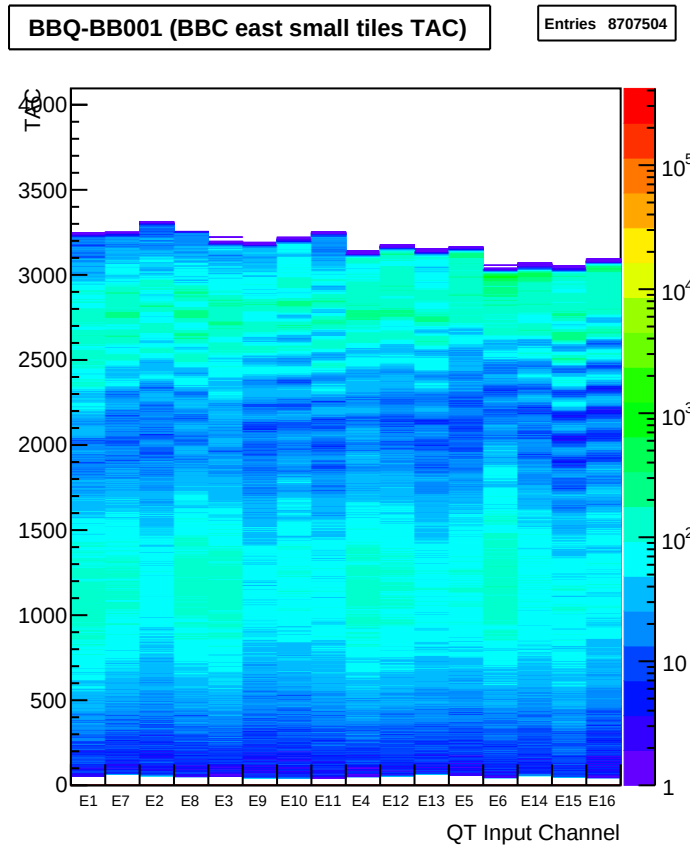

L2-TF201
Entries 544219
TOF total mult

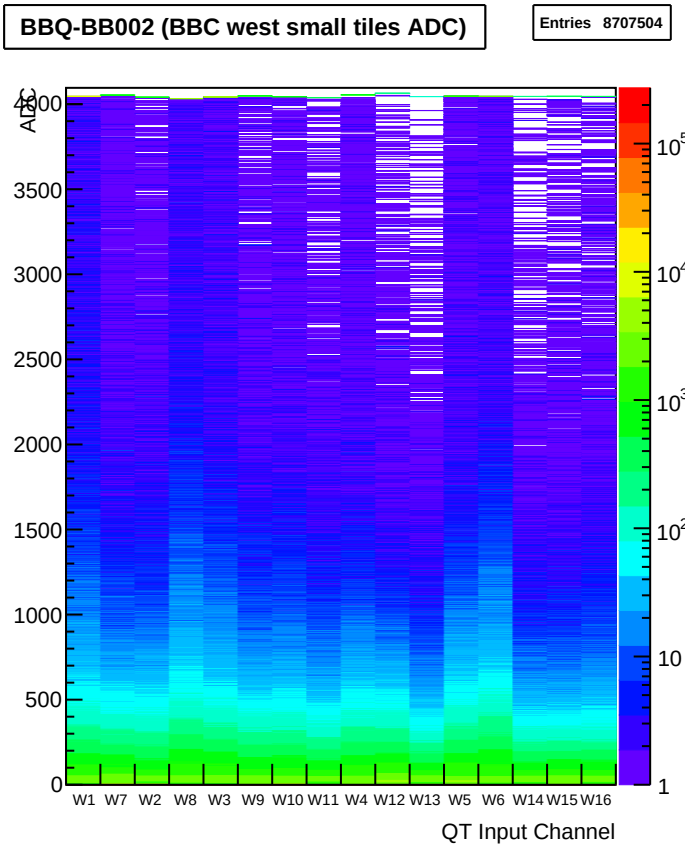

L2-TF201
Entries 0
TOF total mult(Real-Simu)

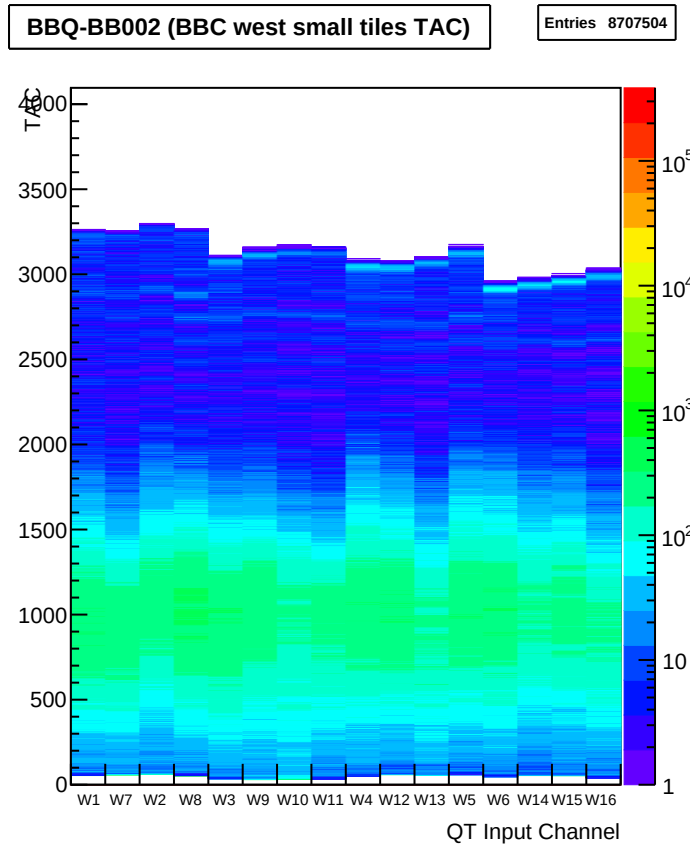

L2-TF201
Entries 3809533
Threshold/UPC bits
501405
504959
501360
505642
501464
499767
530590
42814
39260
42859
38577
42755
44452
13629
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

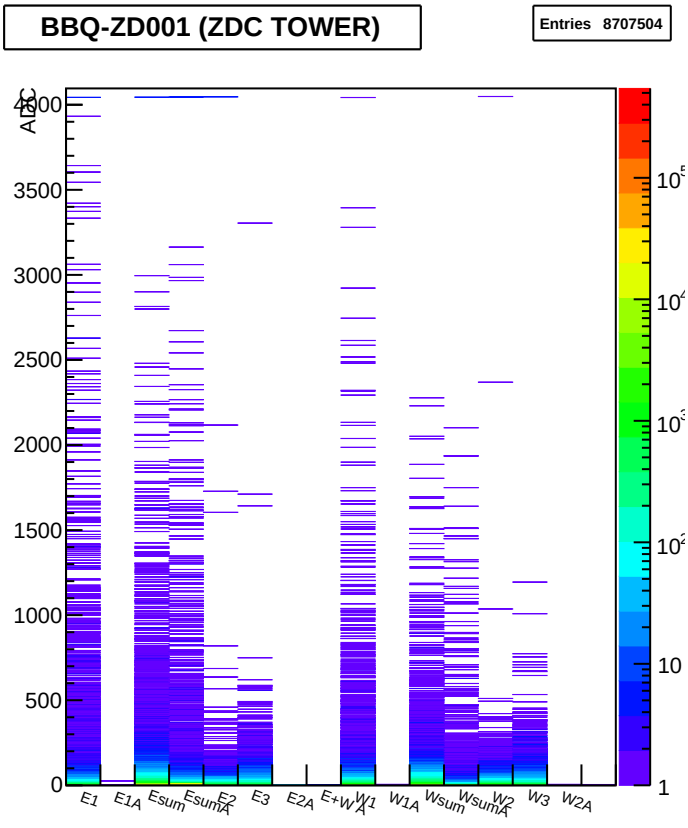

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

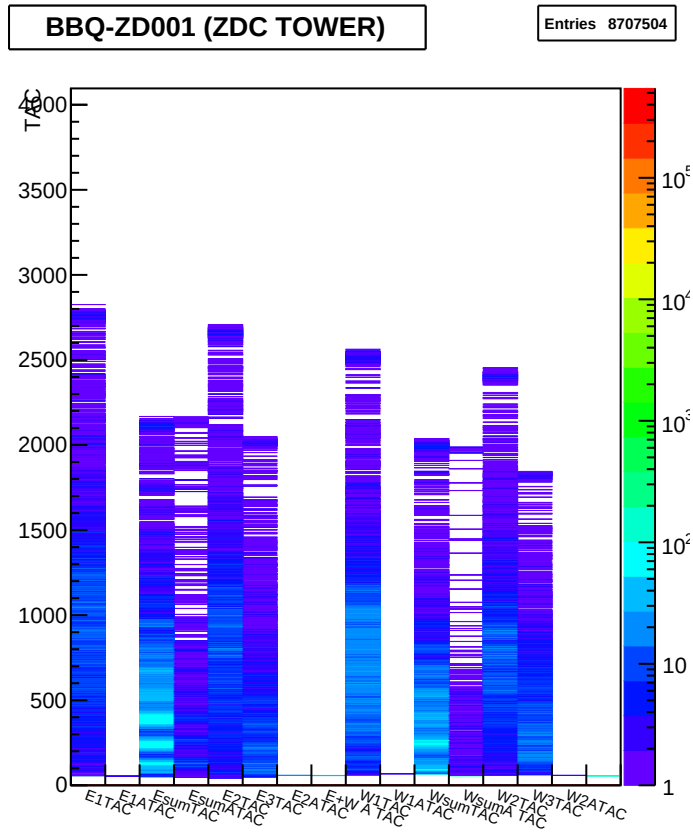

BBQ-BB001 (BBC east small tiles ADC)
Entries 8707504
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

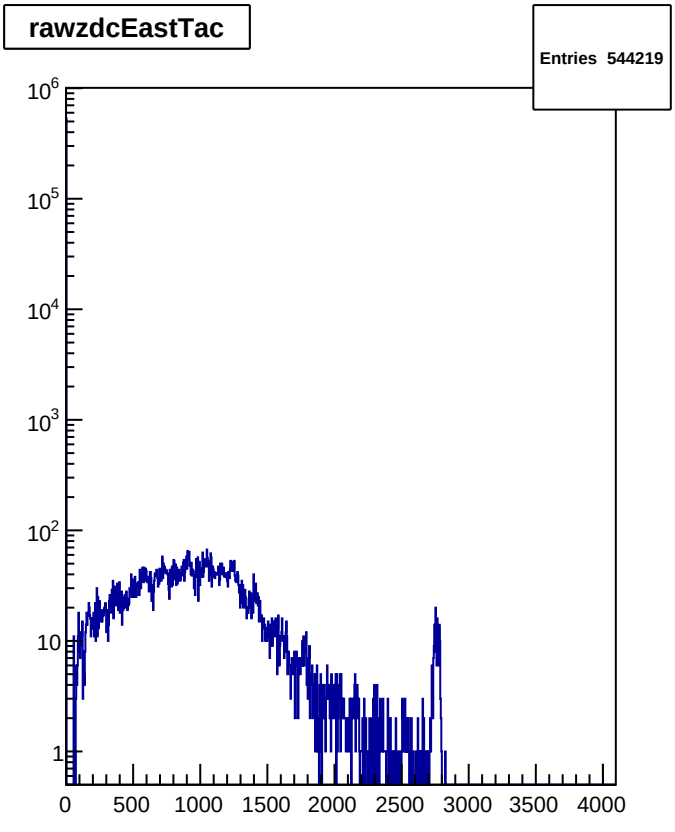

BBQ-BB001 (BBC east small tiles TAC)
Entries 8707504
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

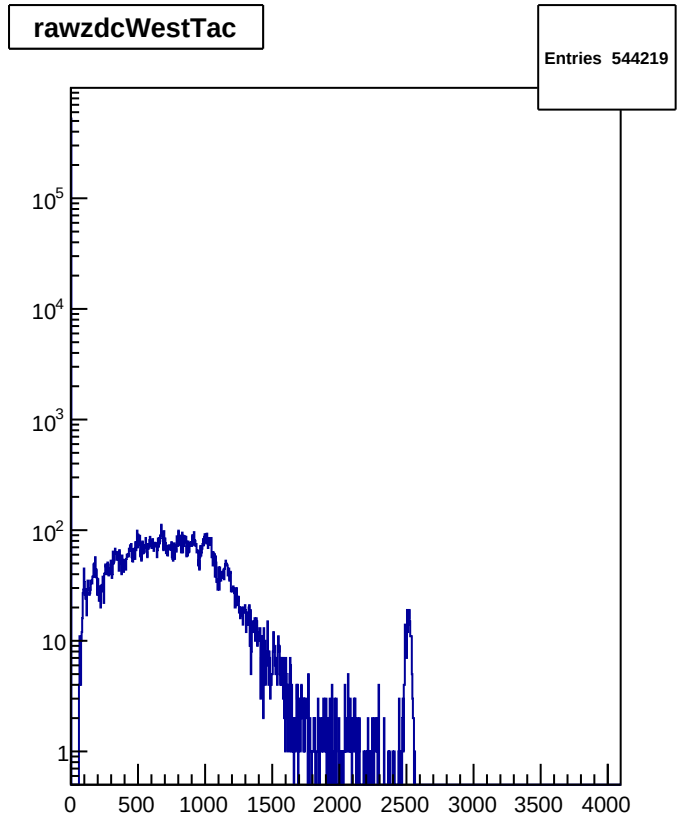

BBQ-BB002 (BBC west small tiles ADC)
Entries 8707504
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

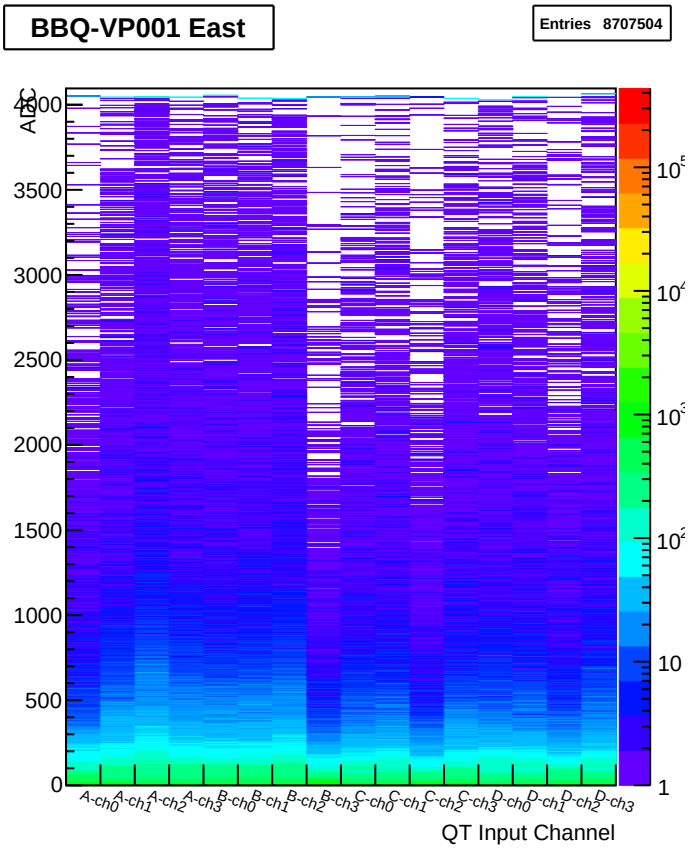

BBQ-BB002 (BBC west small tiles TAC)
Entries 8707504
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

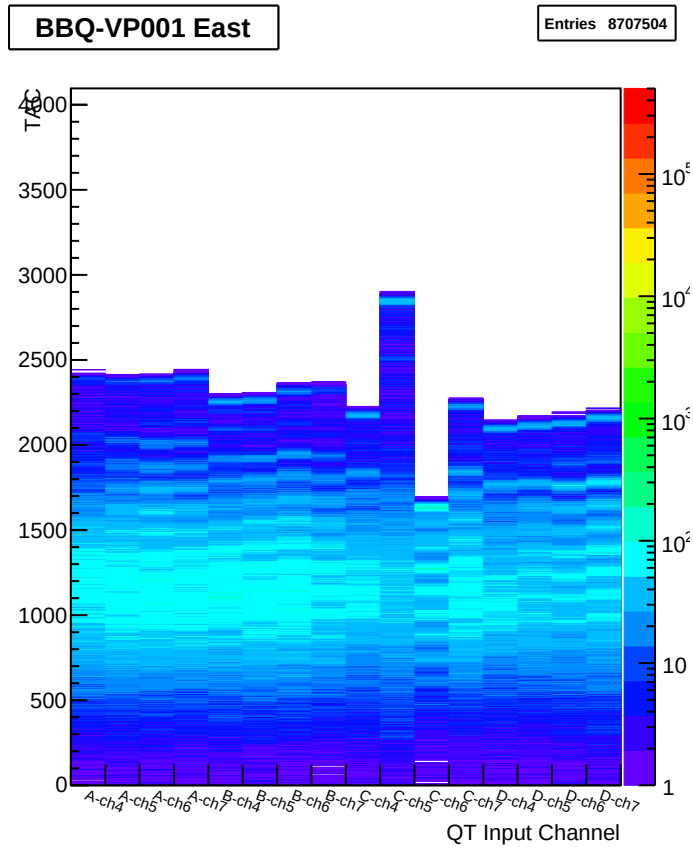

BBQ-ZD001 (ZDC TOWER)
Entries 8707504
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

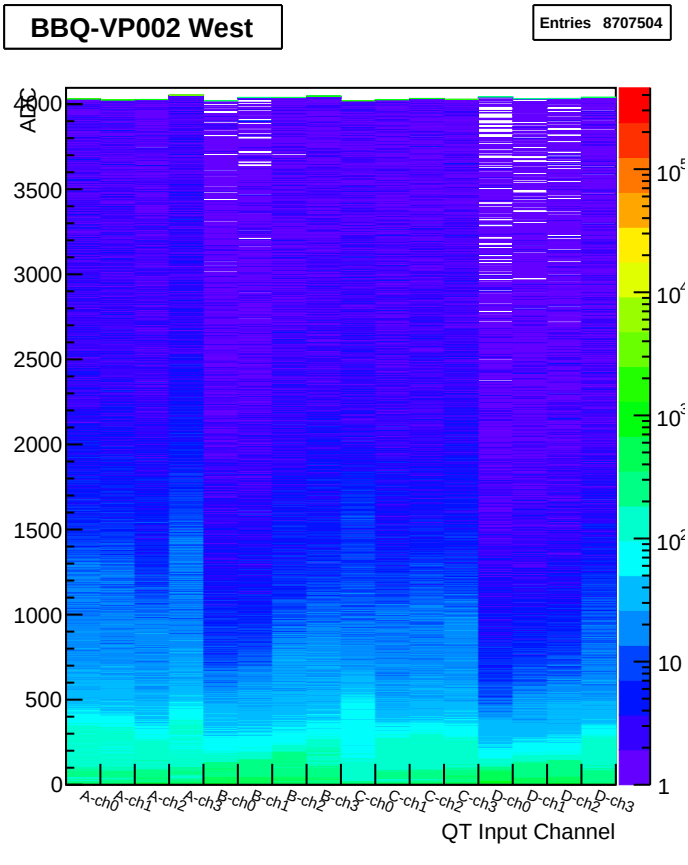

BBQ-ZD001 (ZDC TOWER)
Entries 8707504
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

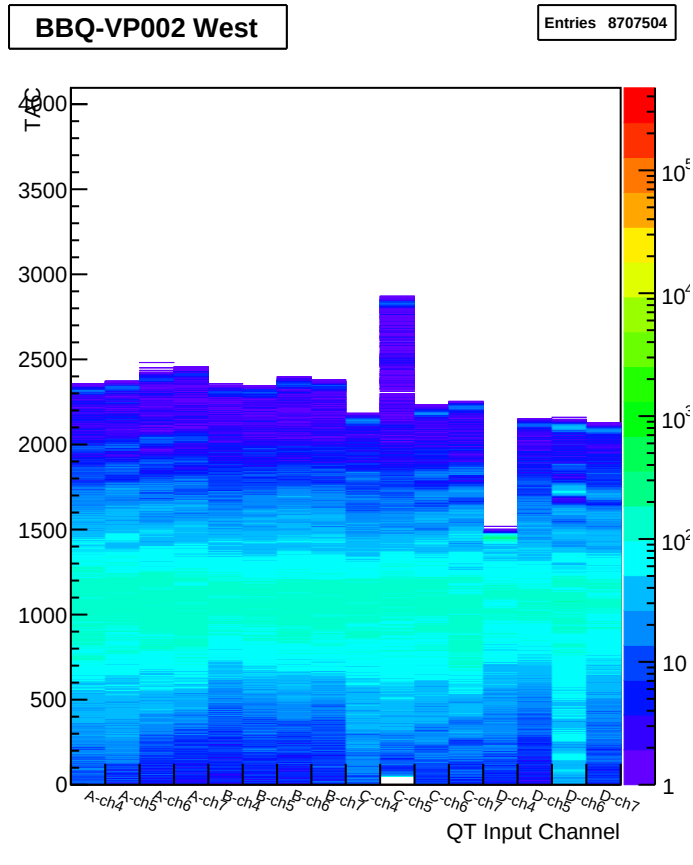

rawzdcEastTac
Entries 544219

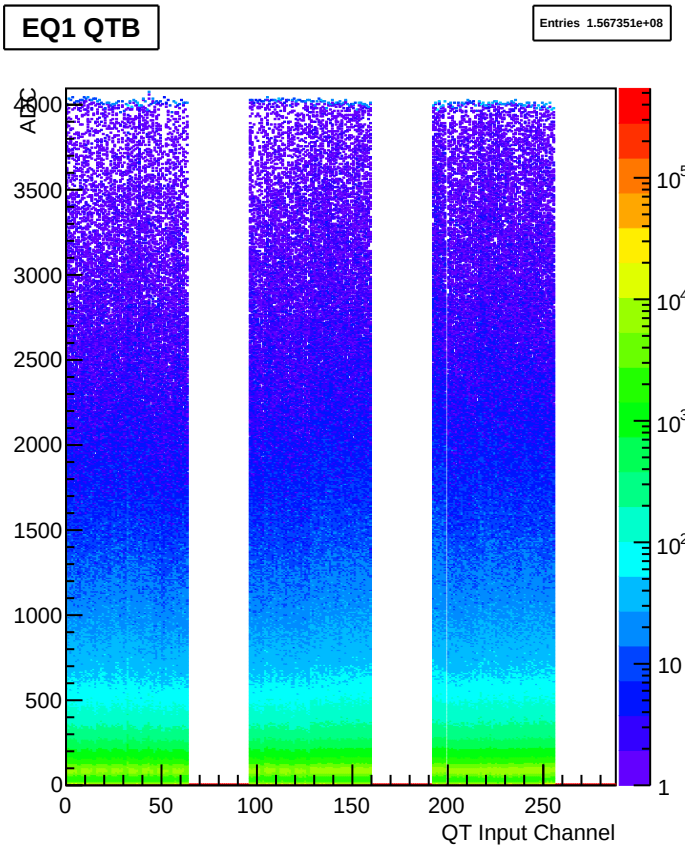

rawzdcWestTac
Entries 544219

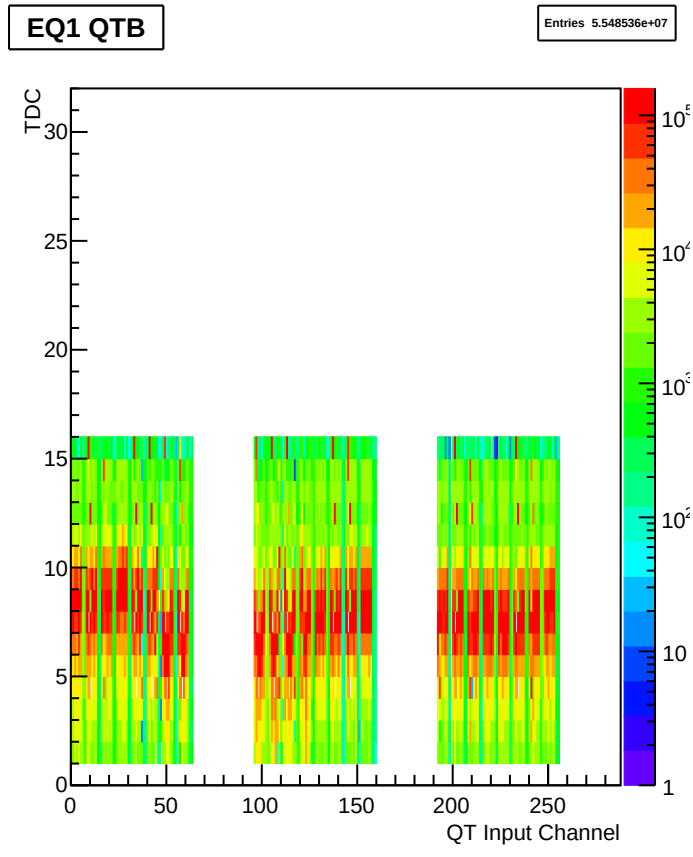

BBQ-VP001 East
Entries 8707504
ADC
QT Input Channel

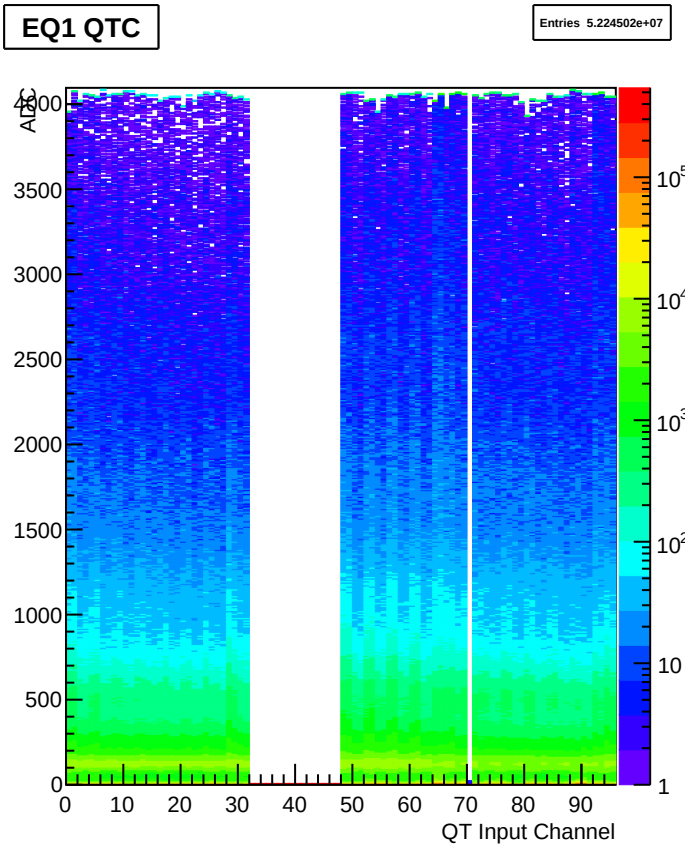

BBQ-VP001 East
Entries 8707504
TADC
QT Input Channel

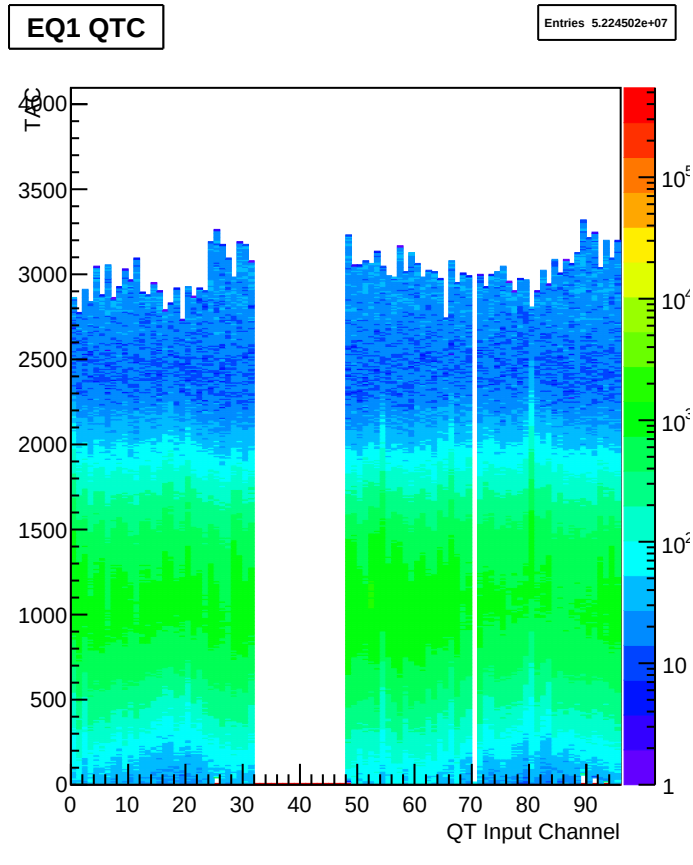

BBQ-VP002 West
Entries 8707504
ADC
QT Input Channel

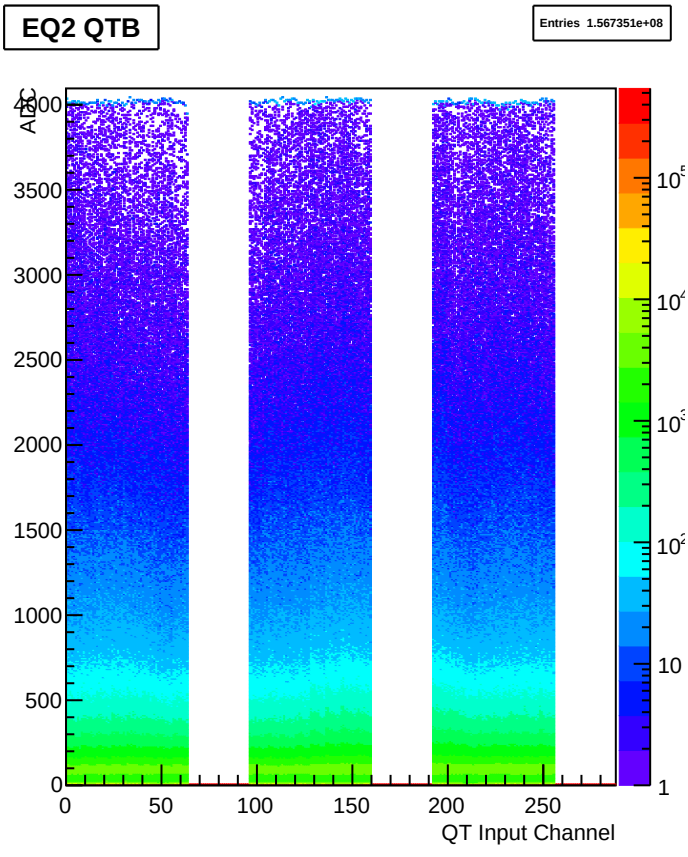

BBQ-VP002 West
Entries 8707504
TADC
QT Input Channel

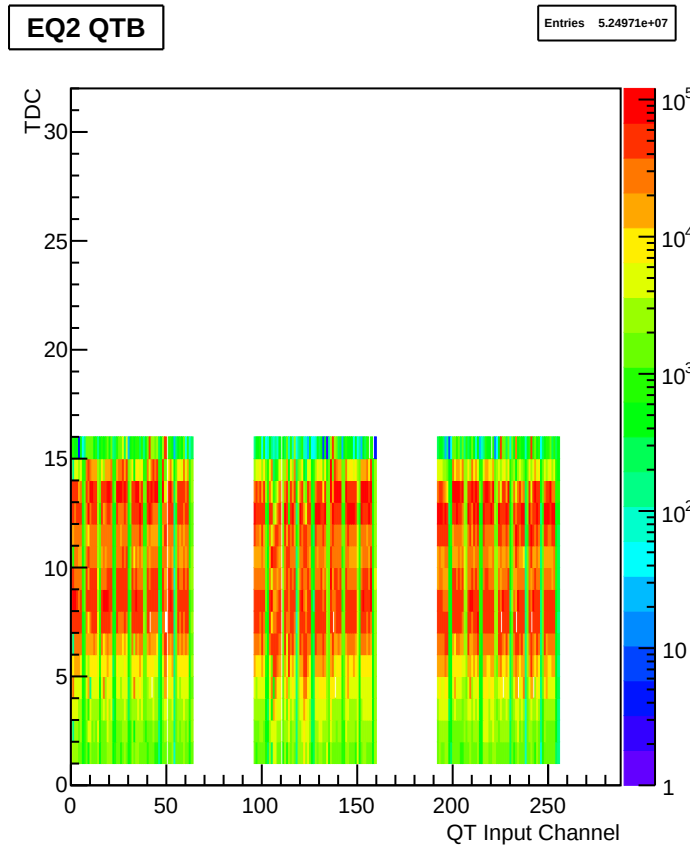

EQ1 QTB
Entries 1.567351e+08
ADC
QT Input Channel

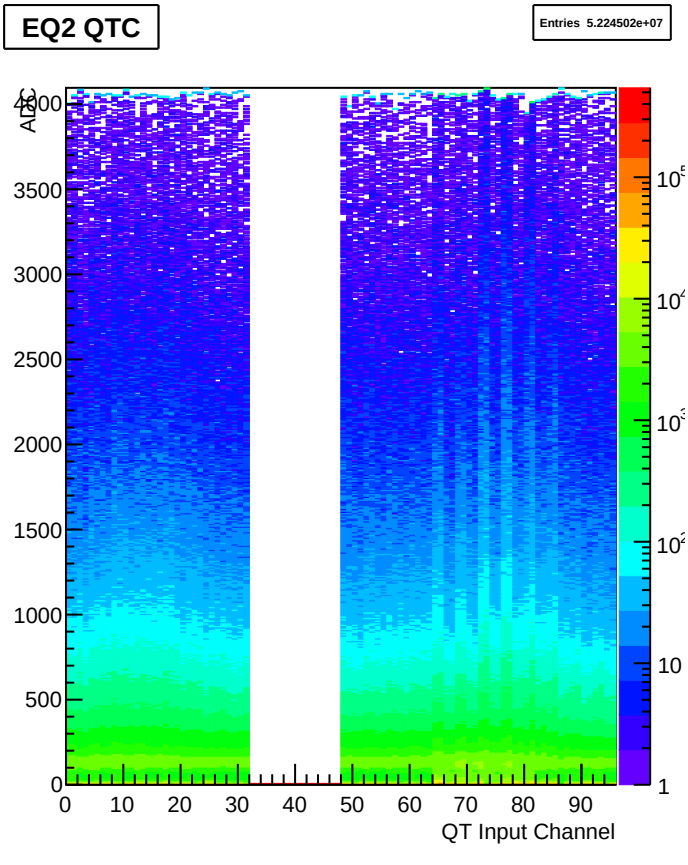

EQ1 QTB
Entries 5.548536e+07
TDC
QT Input Channel

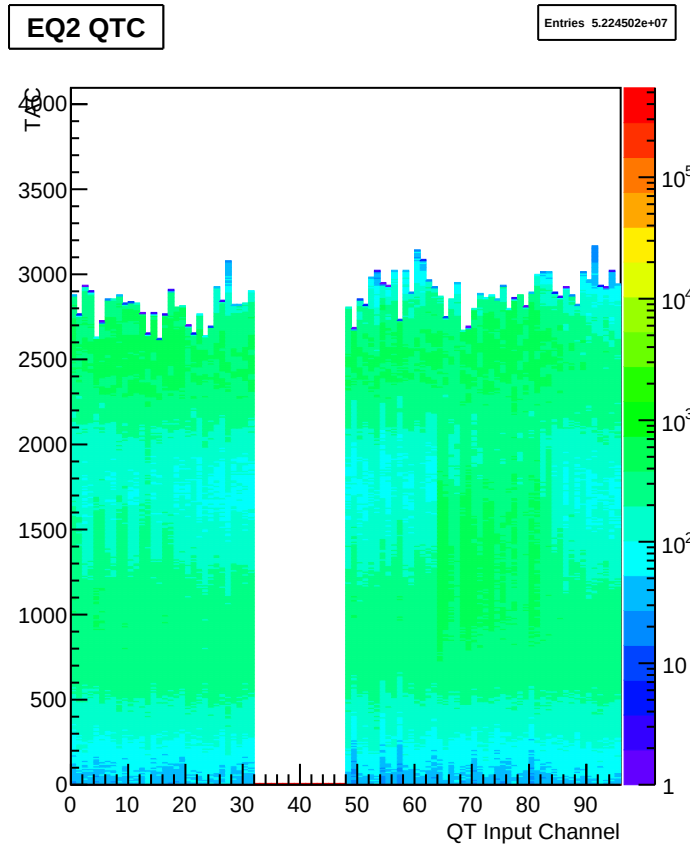

EQ1 QTC
Entries 5.224502e+07
ADC
QT Input Channel

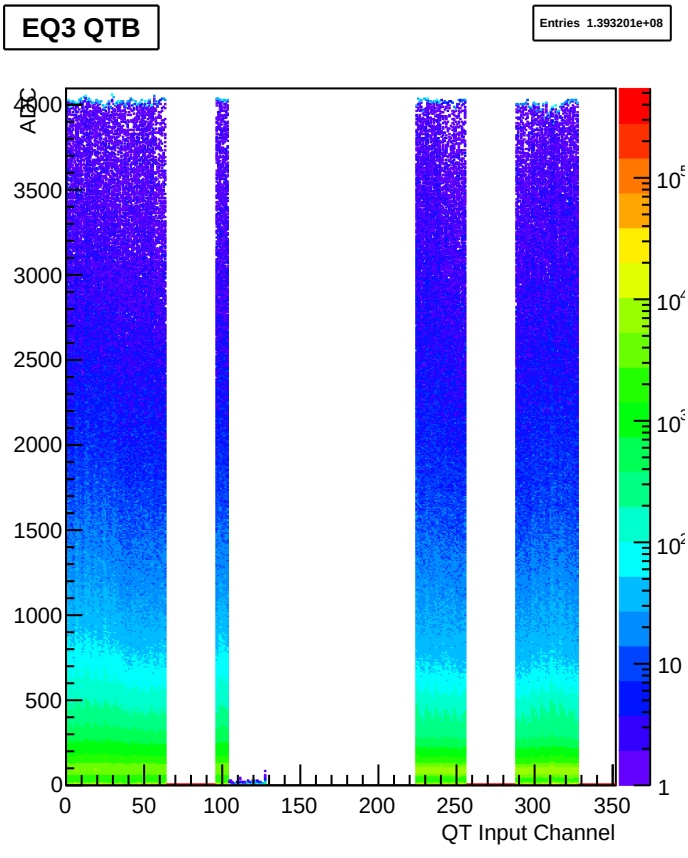

EQ1 QTC
Entries 5.224502e+07
TADC
QT Input Channel

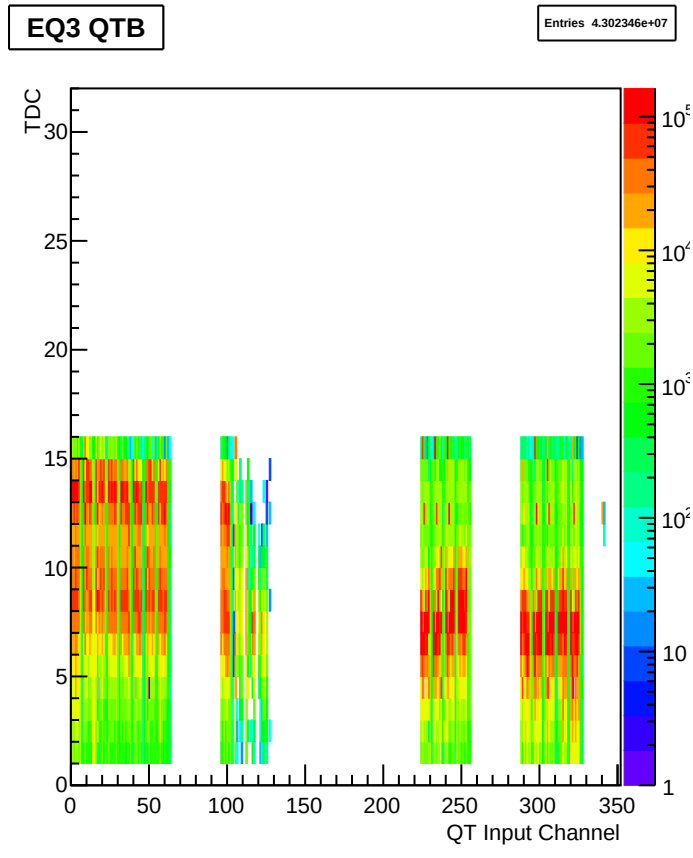

EQ2 QTB
Entries 1.567351e+08
ADC
QT Input Channel

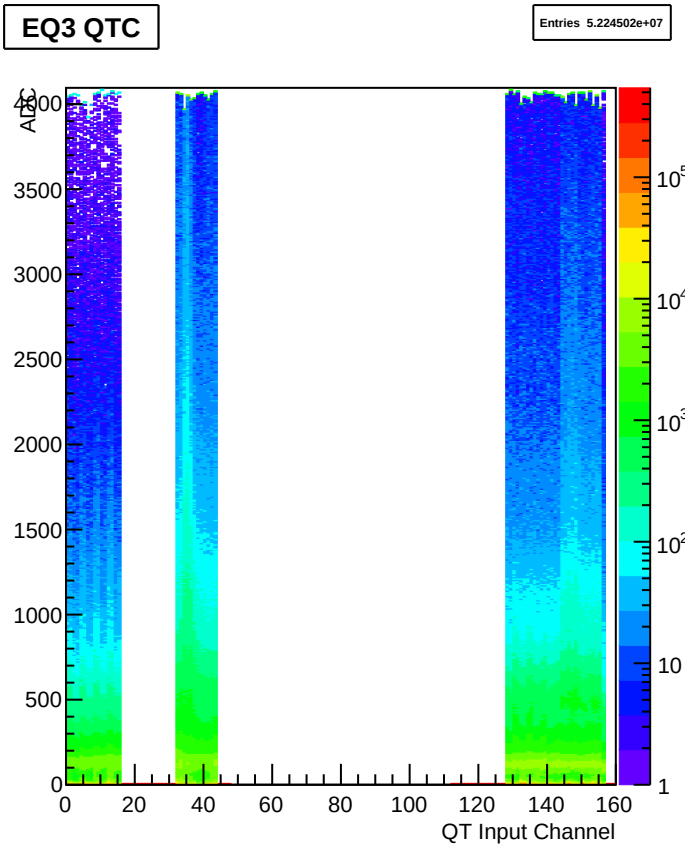

EQ2 QTB
Entries 5.24971e+07
TDC
QT Input Channel

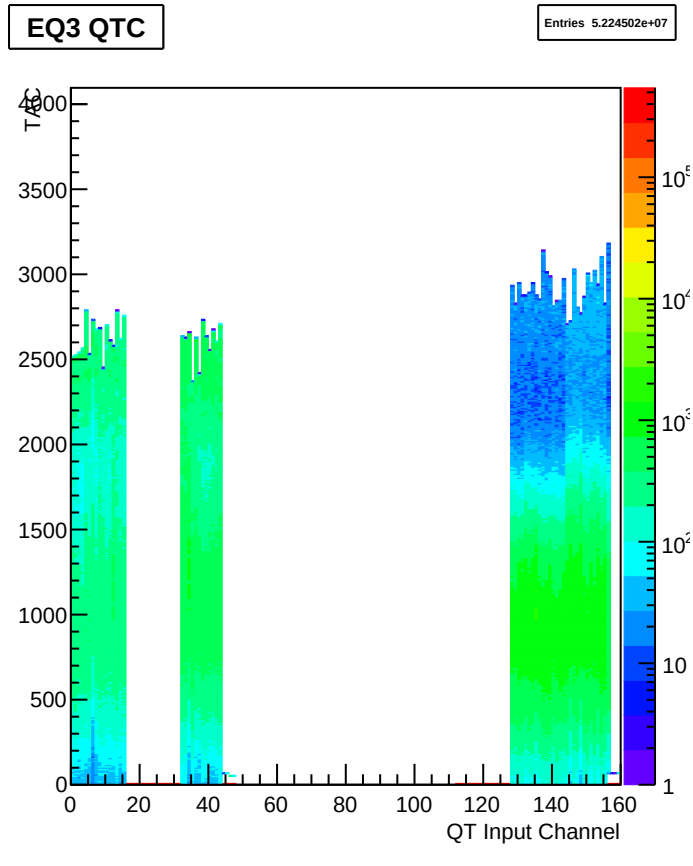

EQ2 QTC
Entries 5.224502e+07
ADC
QT Input Channel


EQ2 QTC
Entries 5.224502e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.393201e+08
ADC
QT Input Channel


EQ3 QTB
Entries 4.302346e+07
TDC
QT Input Channel


EQ3 QTC
Entries 5.224502e+07
ADC
QT Input Channel


EQ3 QTC
Entries 5.224502e+07
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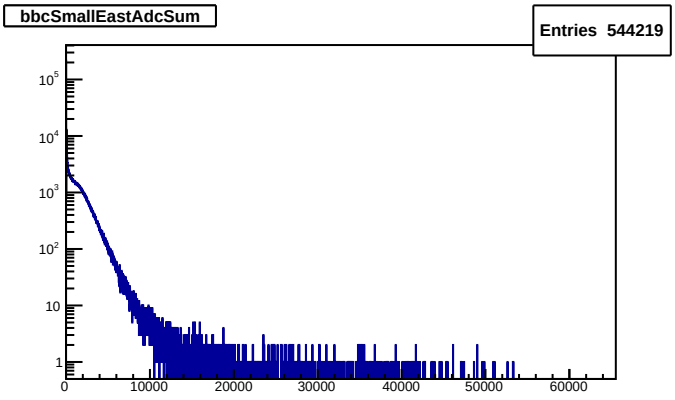
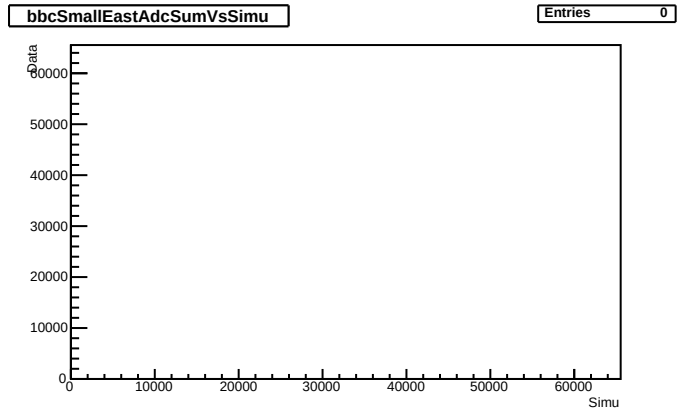
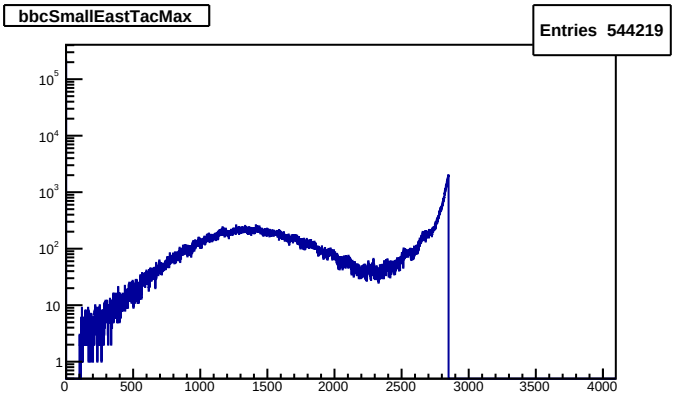
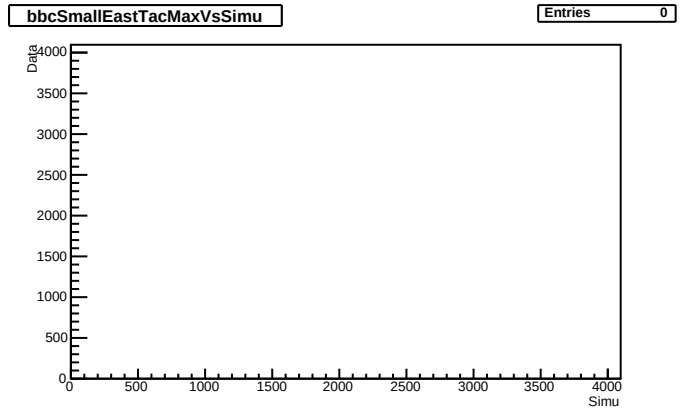
QT Input Channel


bbcSmallEastAdcSum
Entries 544219


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 544219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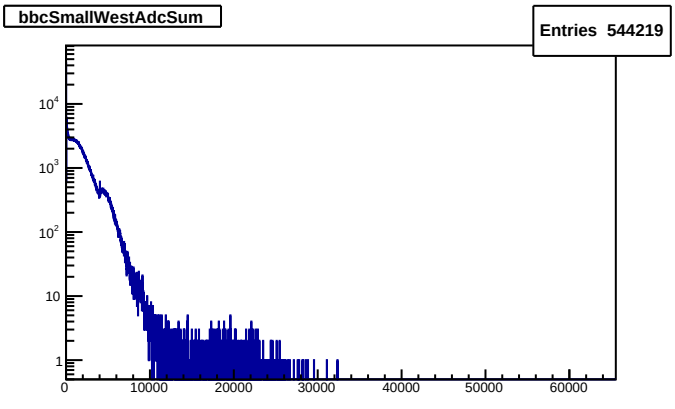
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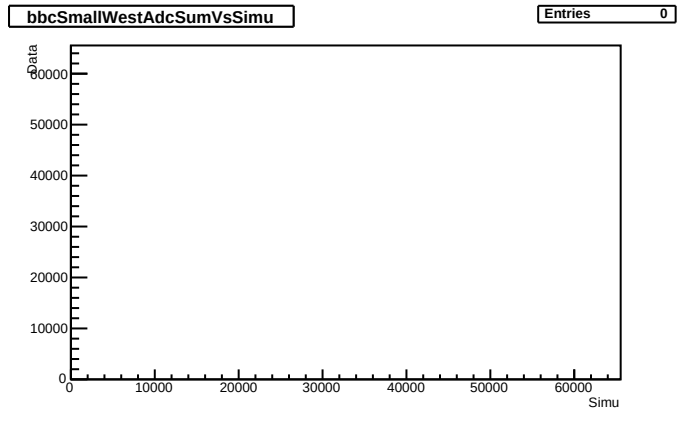
Entries 544219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Entries 0
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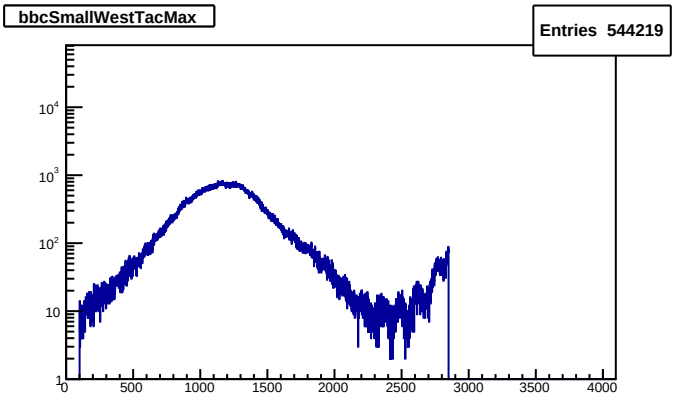
Simu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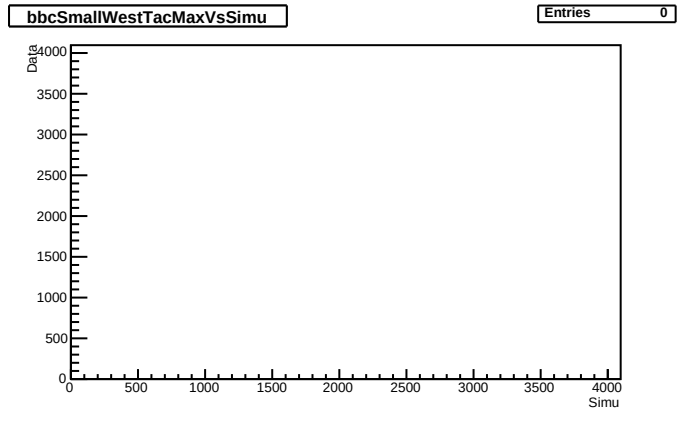
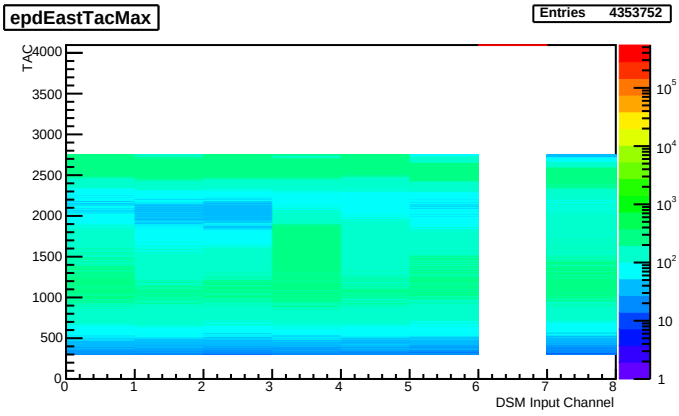
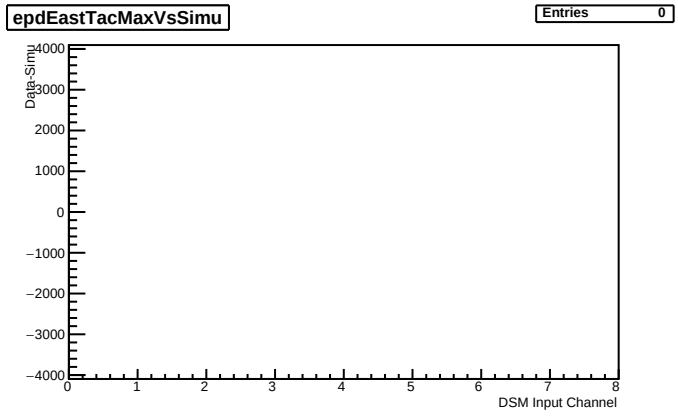
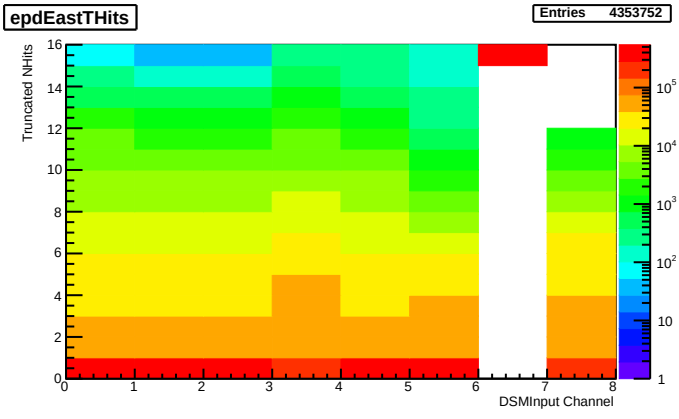
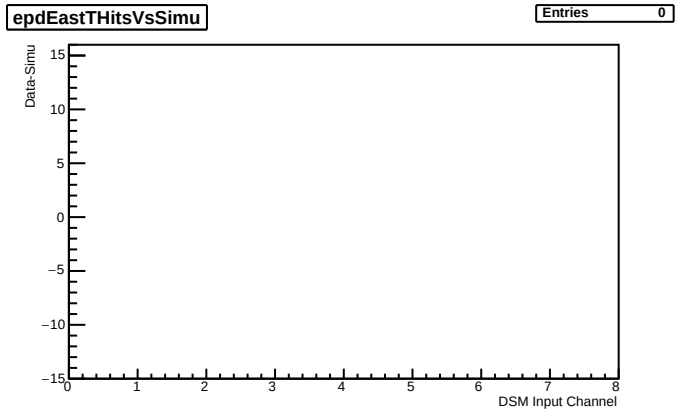
Entries 544219


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 4353752
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4353752
Truncated NHits
DSMInput Channel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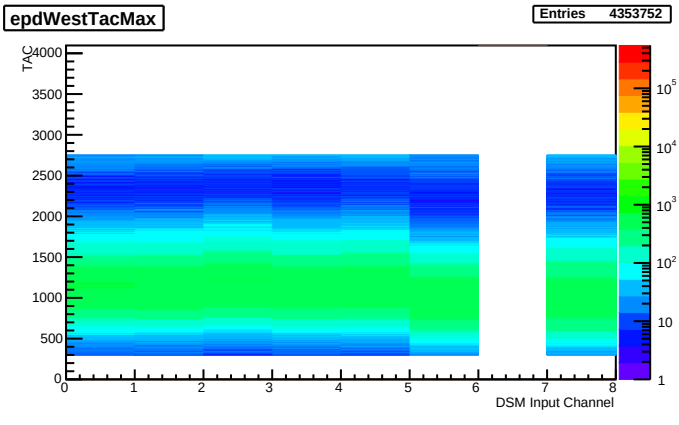
DSM Input Channel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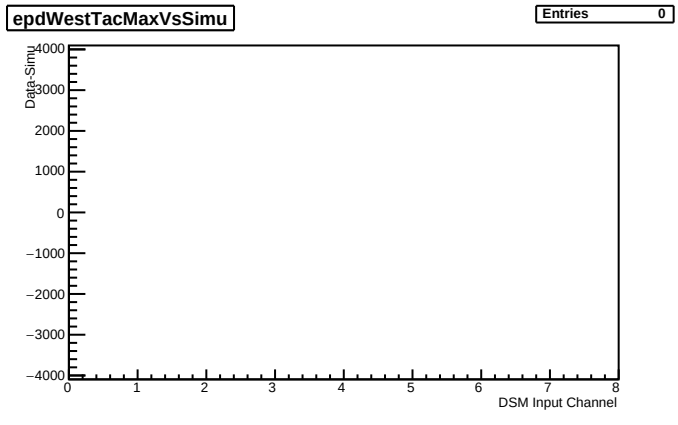
Entries 4353752
TAC
DSM Input Channel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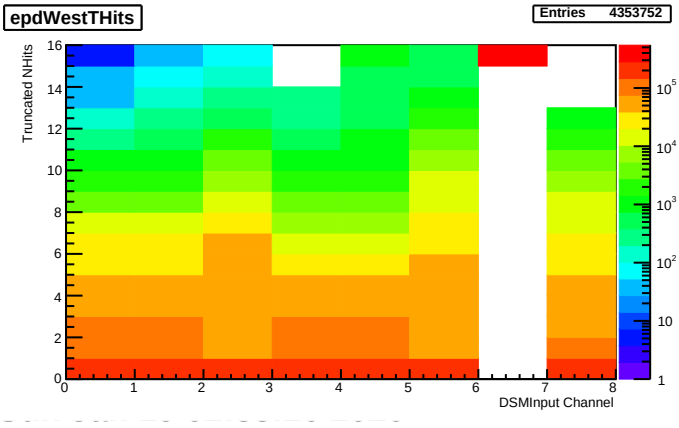
Entries 0
Data-Simu
DSM Input Channel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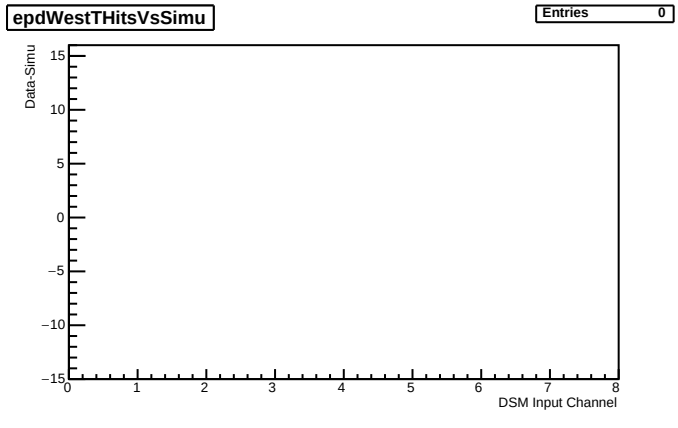
Entries 4353752
Truncated NHits
DSMInput Channel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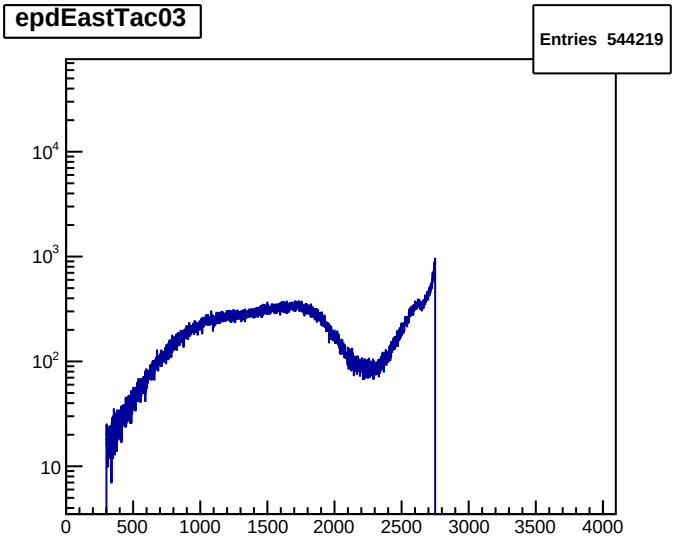
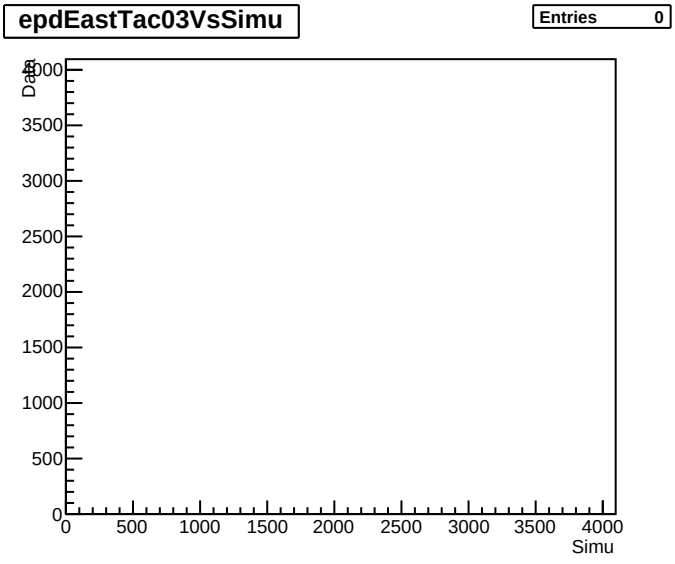
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 544219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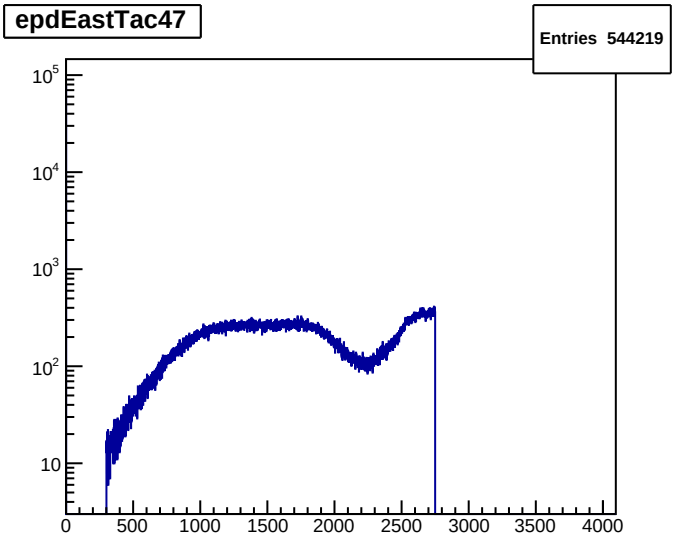
Entries 0
Data
Simu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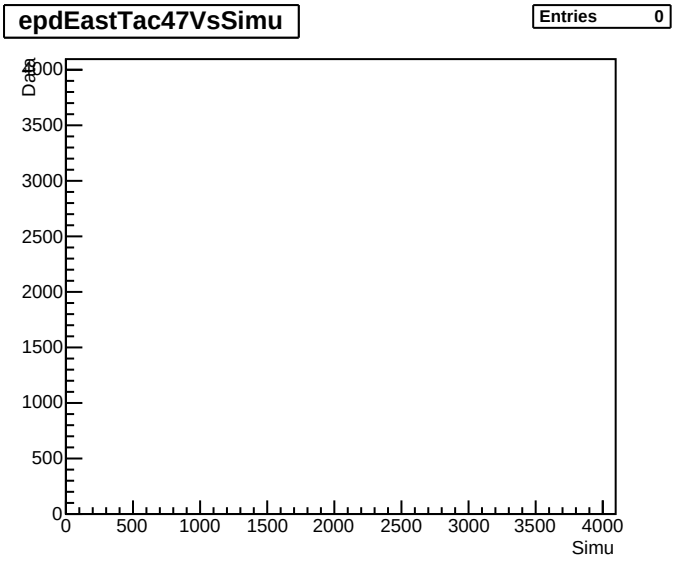
Entries 544219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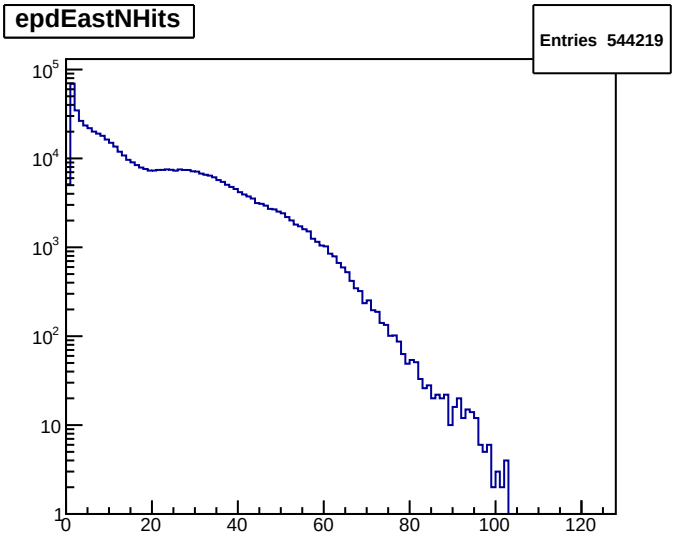
Entries 0
Data
Simu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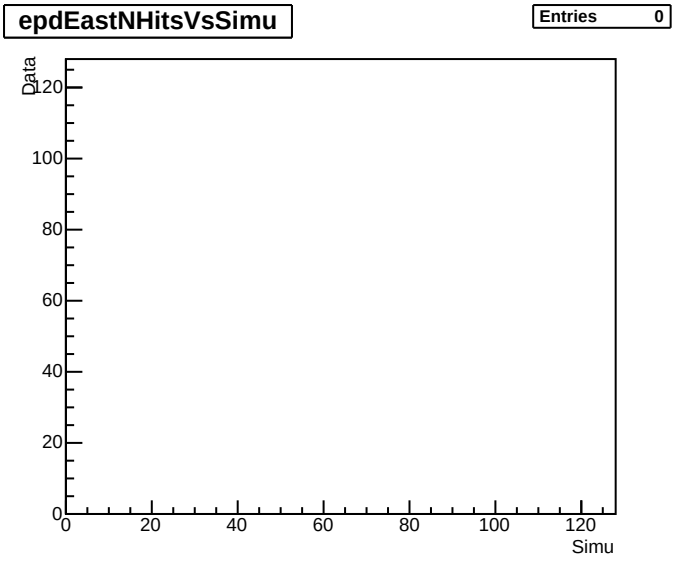
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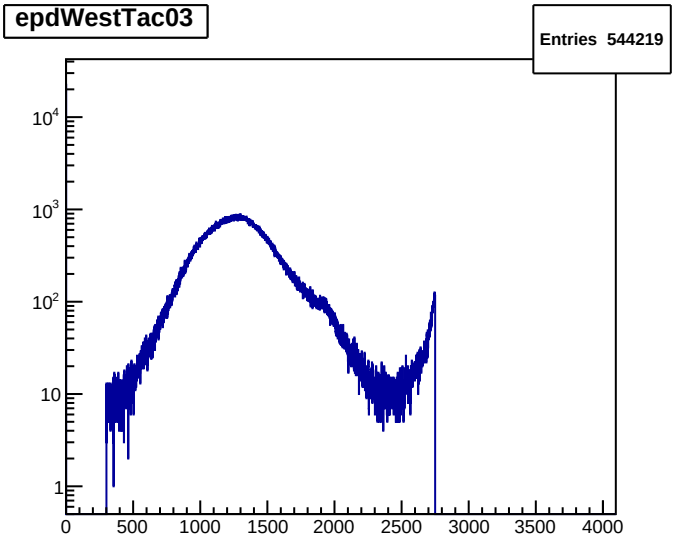
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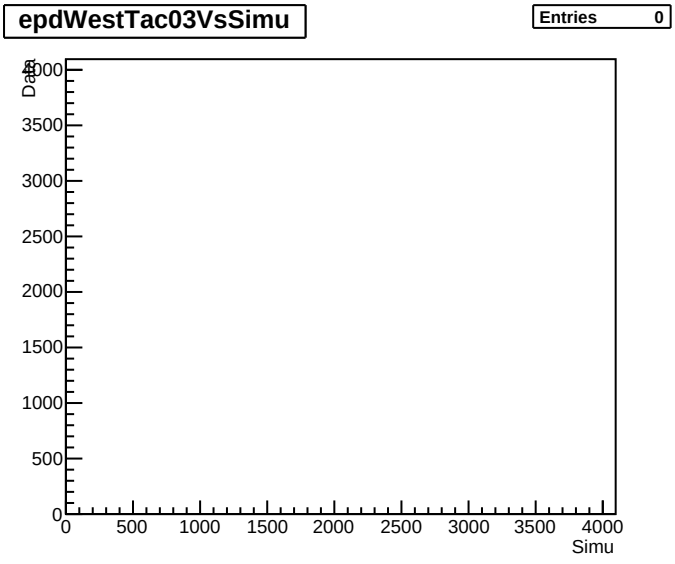
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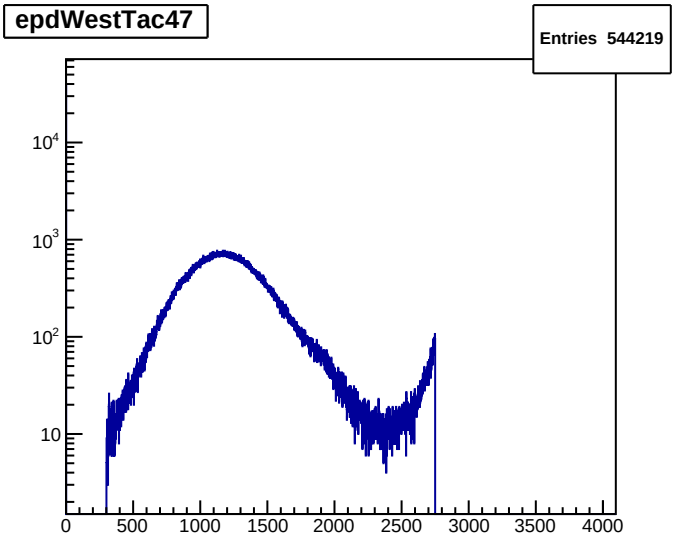
Entries 0
Data
Simu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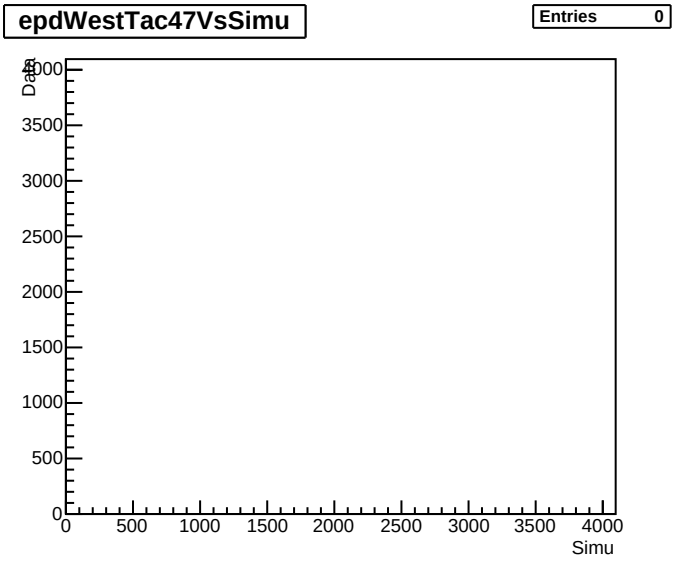
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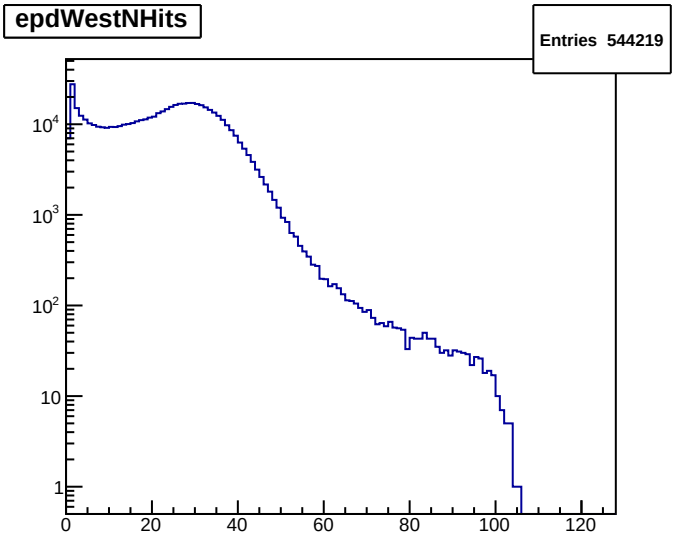
Data
Simu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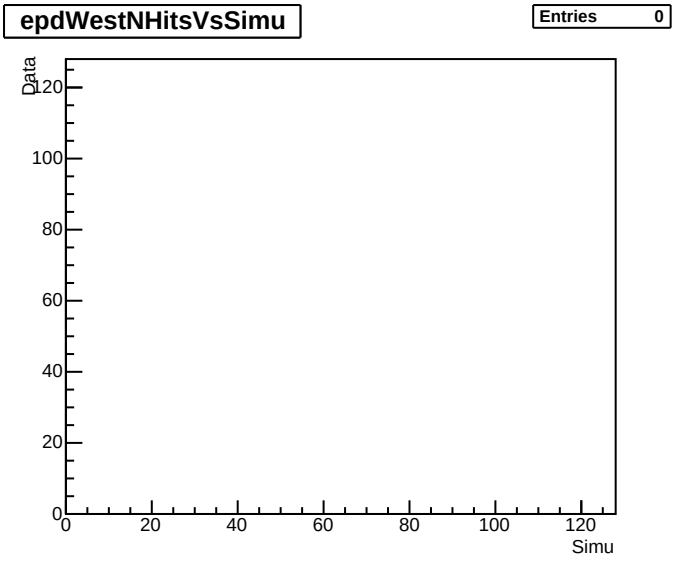
Entries 544219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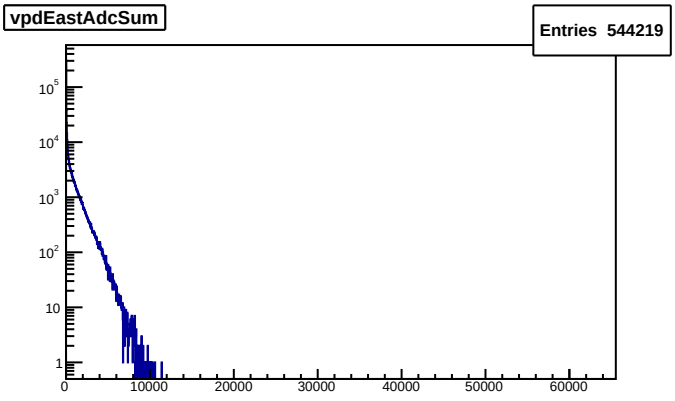
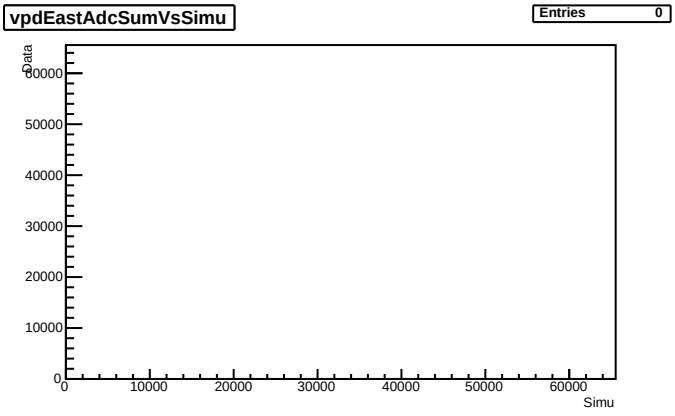
Entries 0
Data
Simu


vpdEastAdcSum
Entries 544219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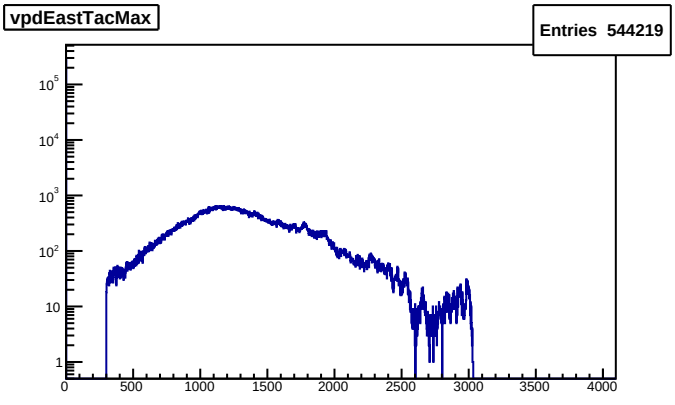
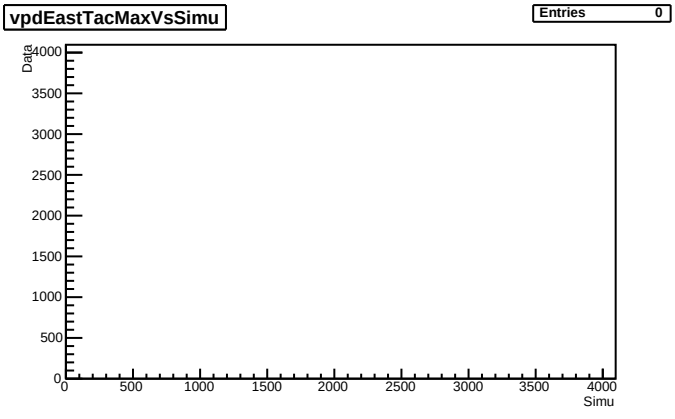
Entries 0
Data
Simu


vpdEastTacMax
Entries 544219


vpdEastTacMaxVsSimu
Entries 0
Data
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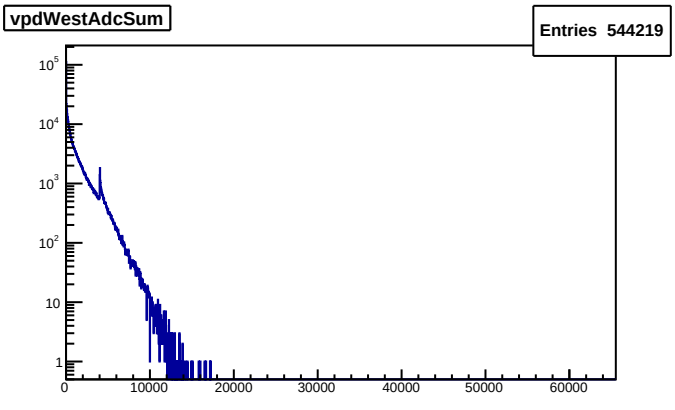
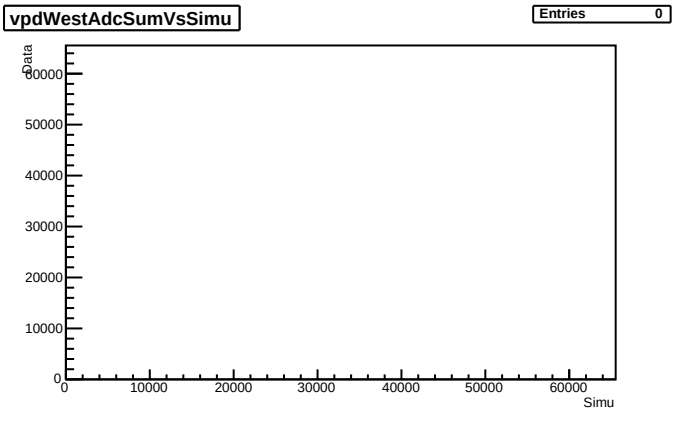
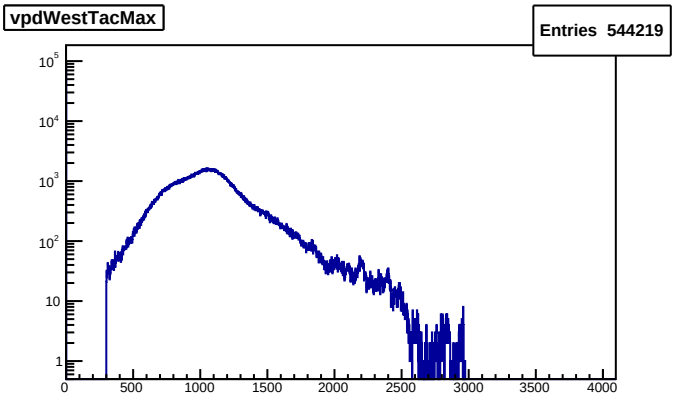

vpdWestAdcSum
Entries 544219


vpdWestAdcSumVsSimu
Entries 0
Data
Simu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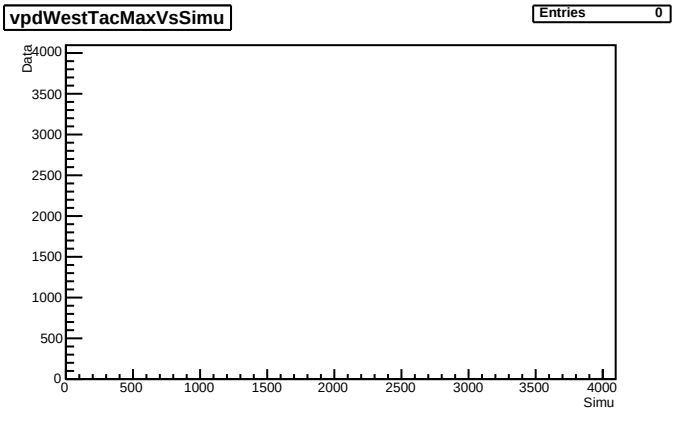
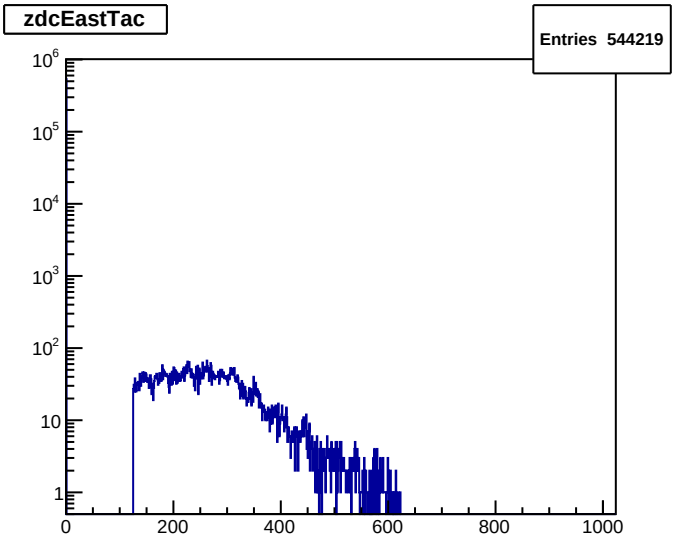
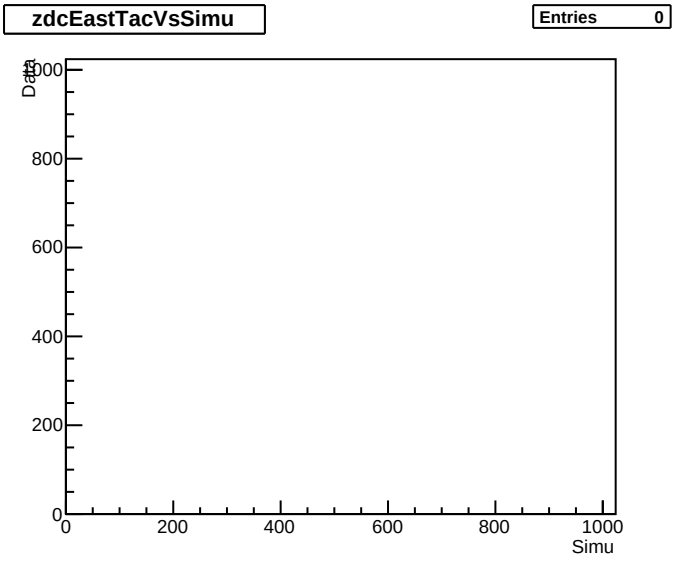
Entries 544219


vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 544219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Entries 0
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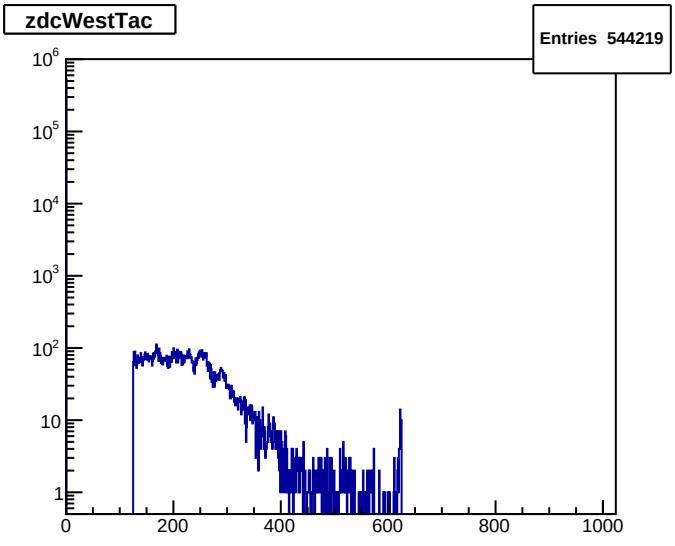
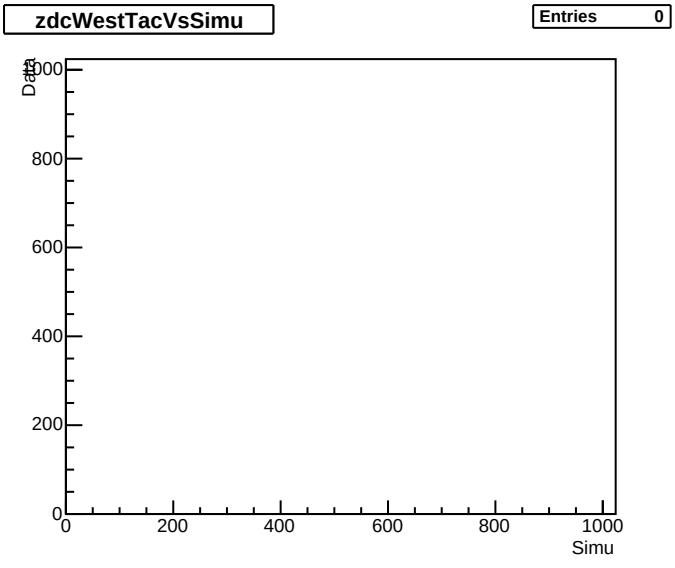
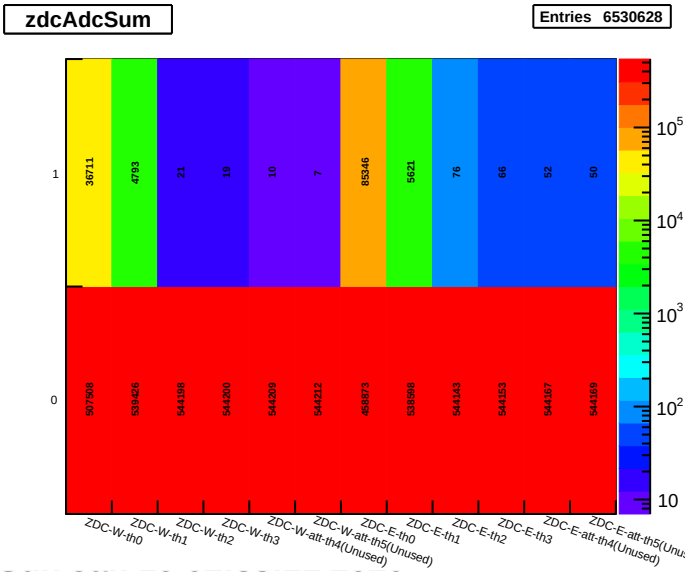
Simu


zdcWestTac
Entries 544219


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 6530628
36711
4793
21
19
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7
85346
5621
76
66
52
50
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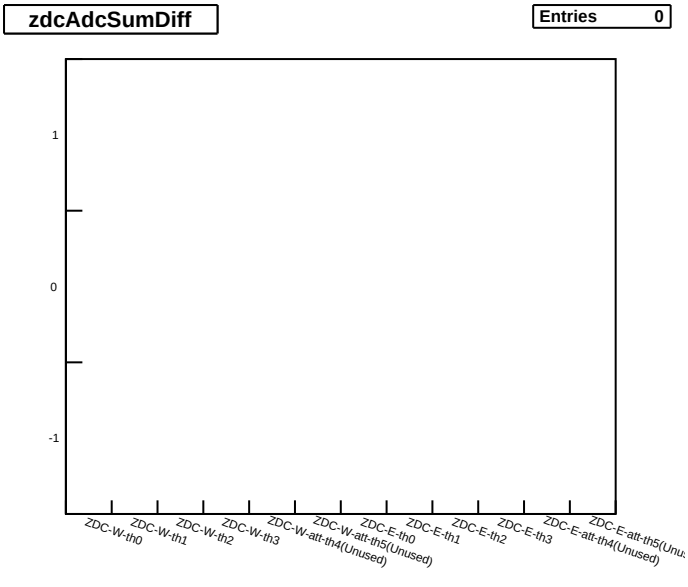
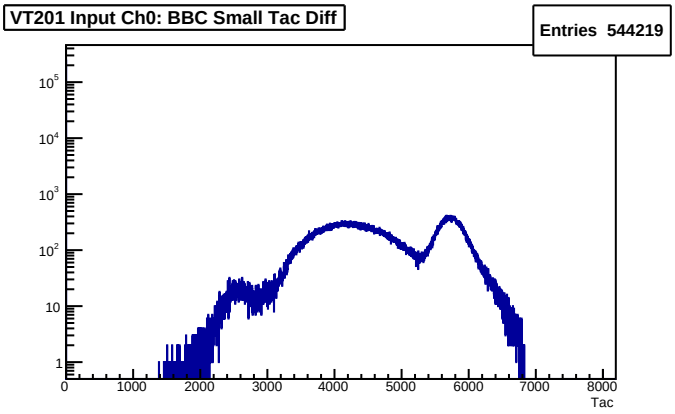
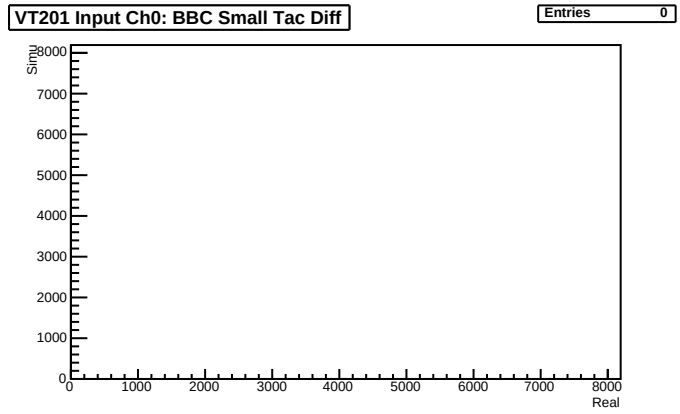
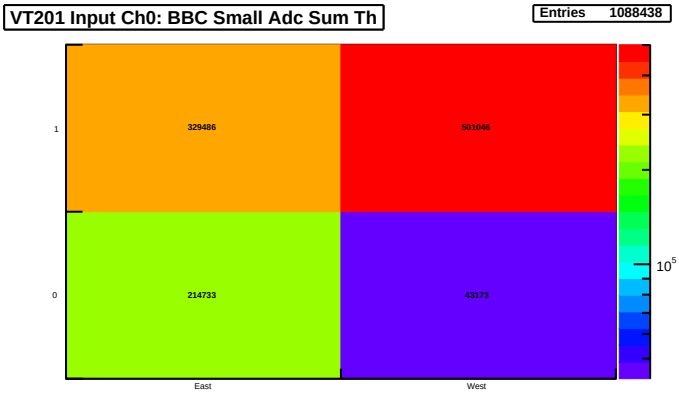
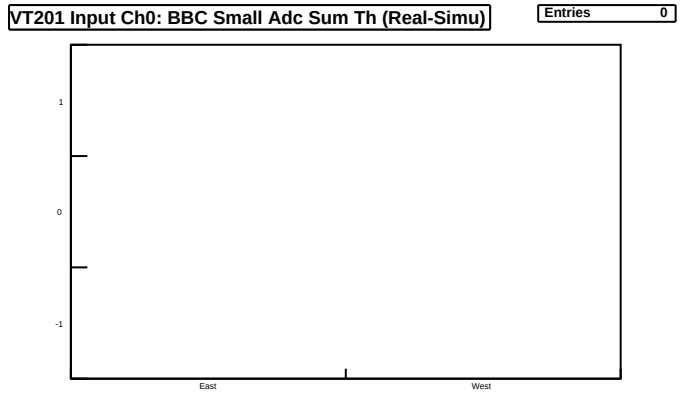
539426
544198
544200
544209
544212
458873
538598
544143
544153
544167
544169
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

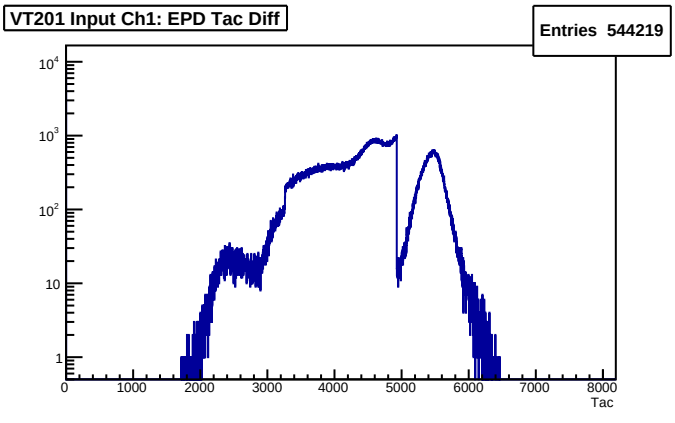

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

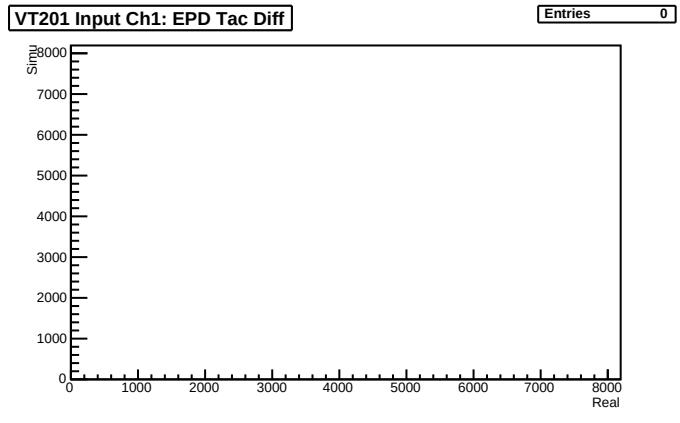

VT201 Input Ch0: BBC Small Tac Diff
Entries 544219
Tac

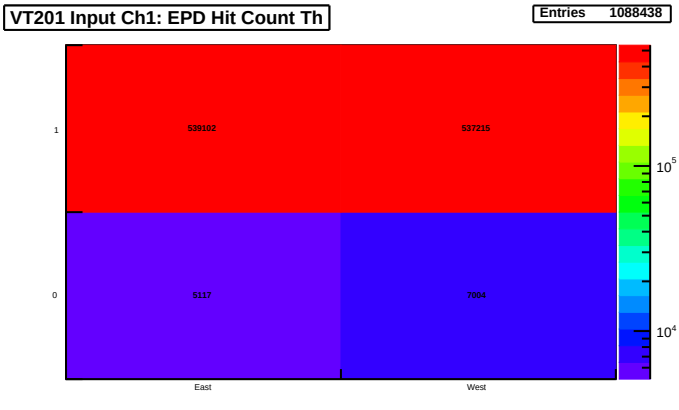

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

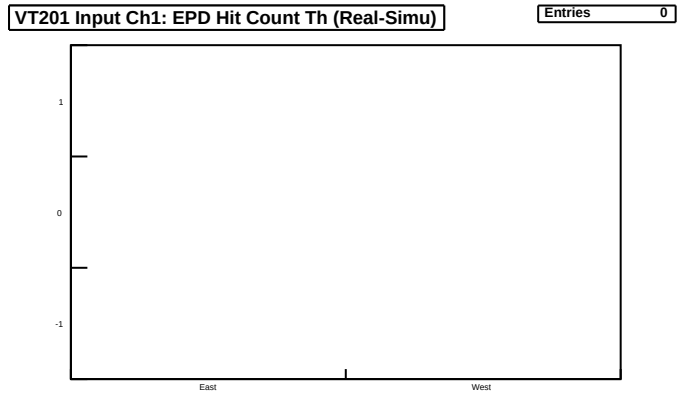

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1088438
329486
501046
214733
43173
East
West

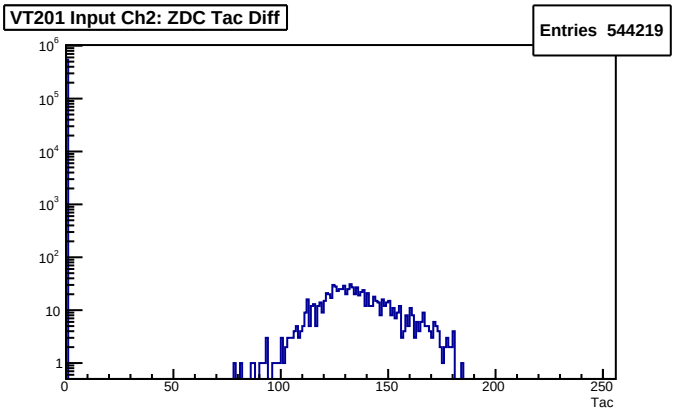

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

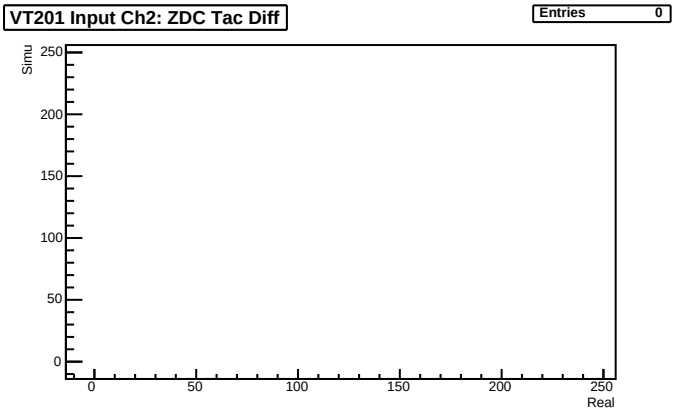

VT201 Input Ch1: EPD Tac Diff
Entries 544219
Tac

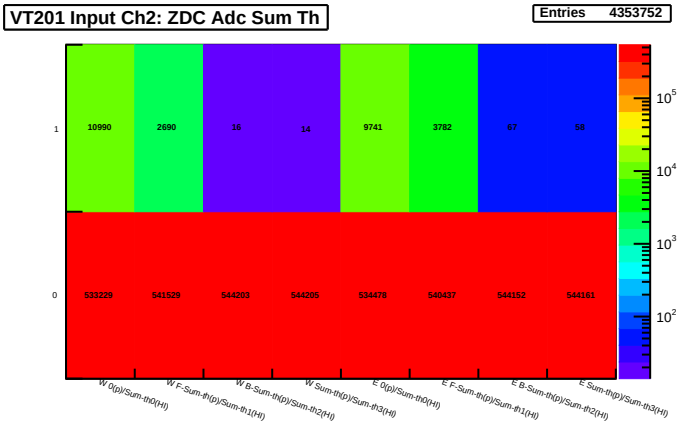

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

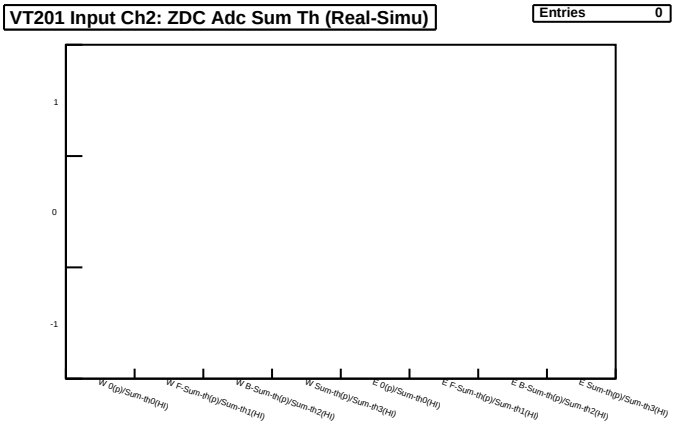

VT201 Input Ch1: EPD Hit Count Th
Entries 1088438
539102
537215
5117
7004
East
West

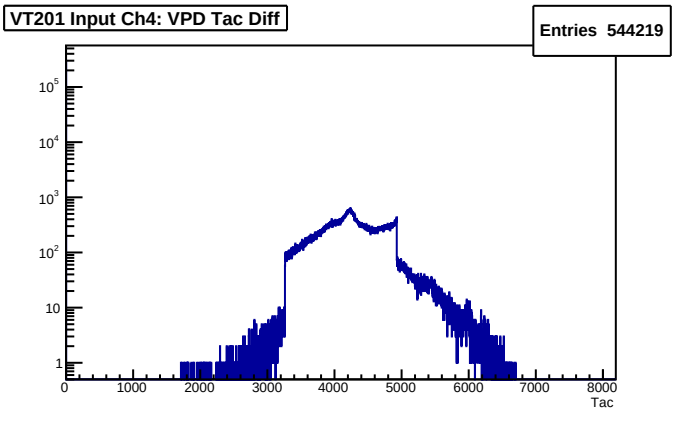

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

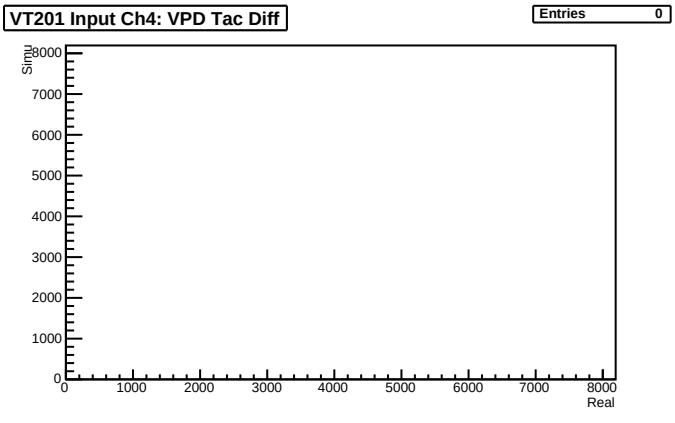

VT201 Input Ch2: ZDC Tac Diff
Entries 544219
Tac

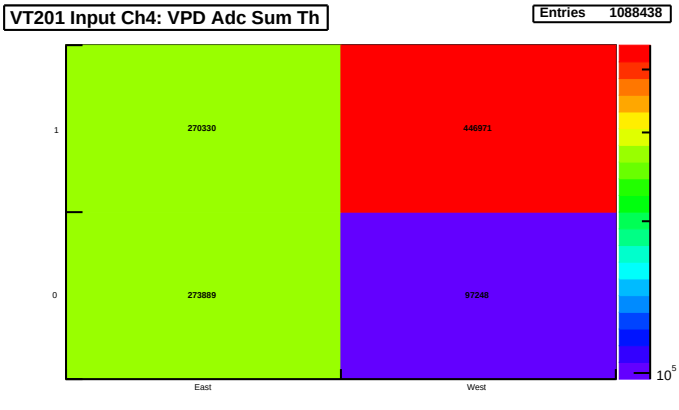

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

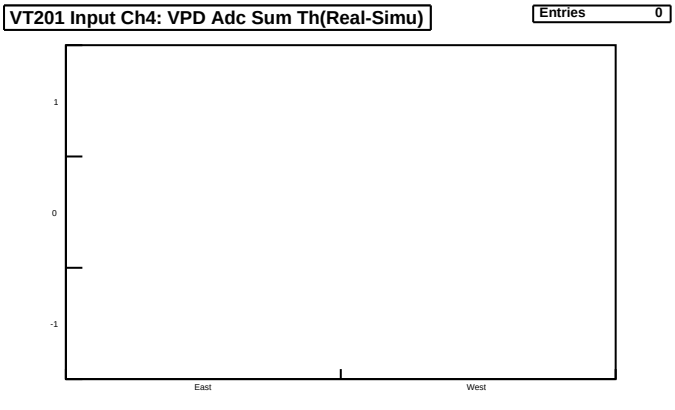

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4353752
10990
2690
16
14
9741
3782
67
58
533229
541529
544203
544205
534478
540437
544152
544161
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

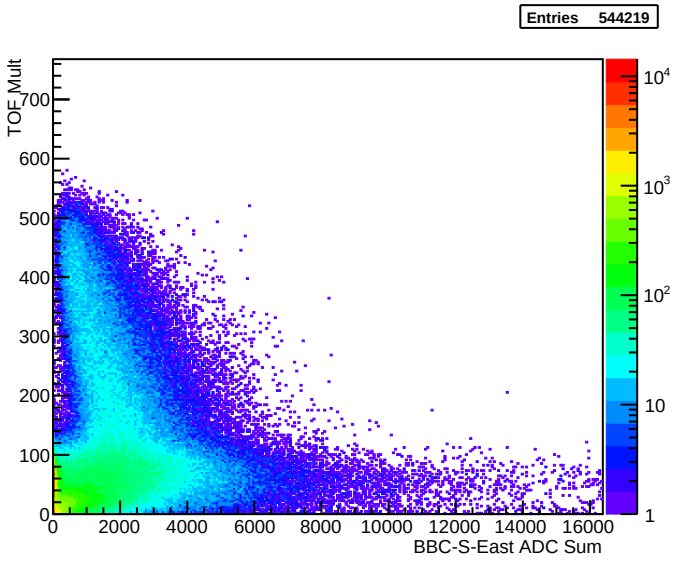

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

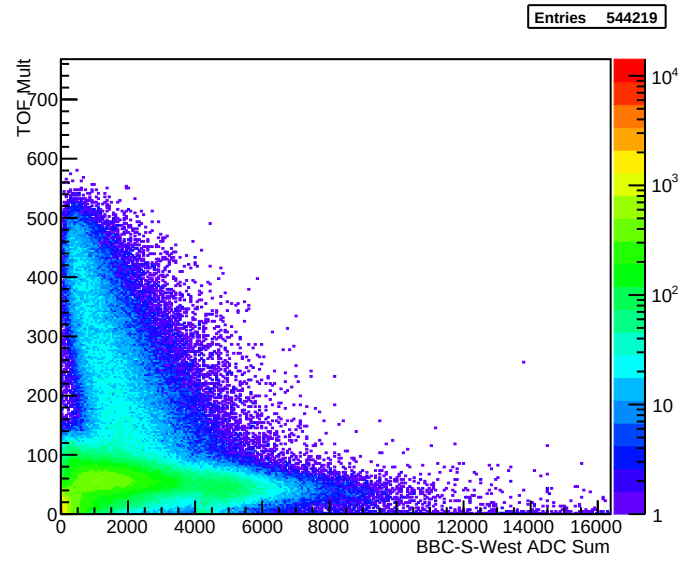

VT201 Input Ch4: VPD Tac Diff
Entries 544219
Tac

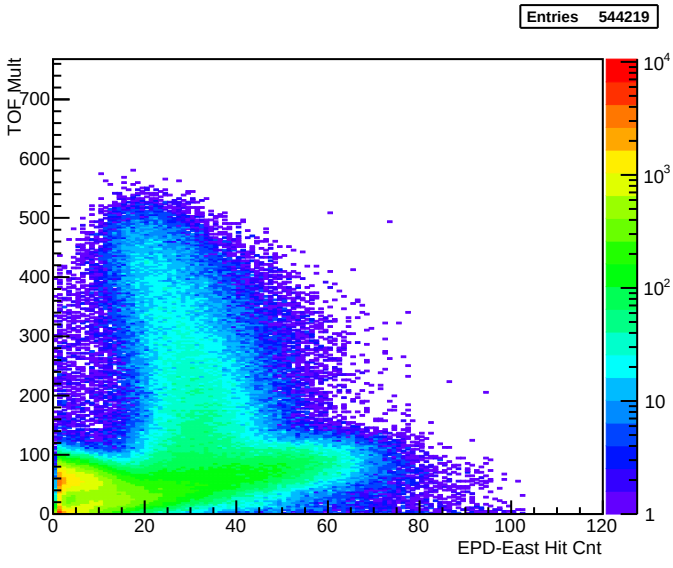

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

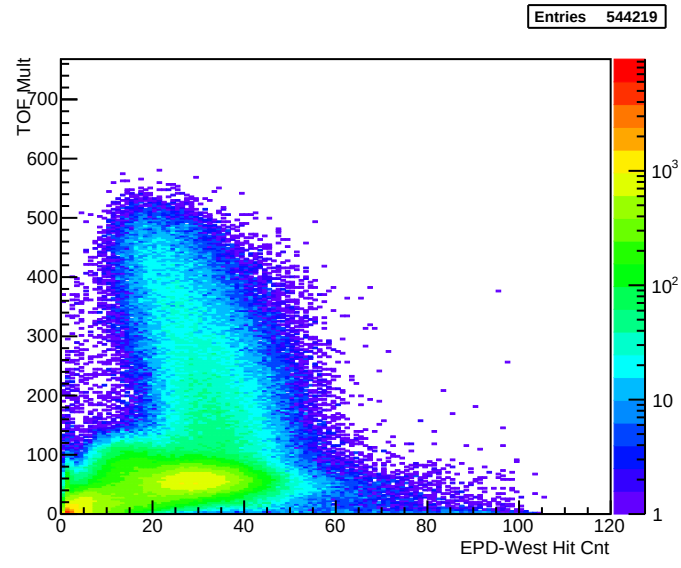

VT201 Input Ch4: VPD Adc Sum Th
Entries 1088438
270330
446971
273889
97248
East
West

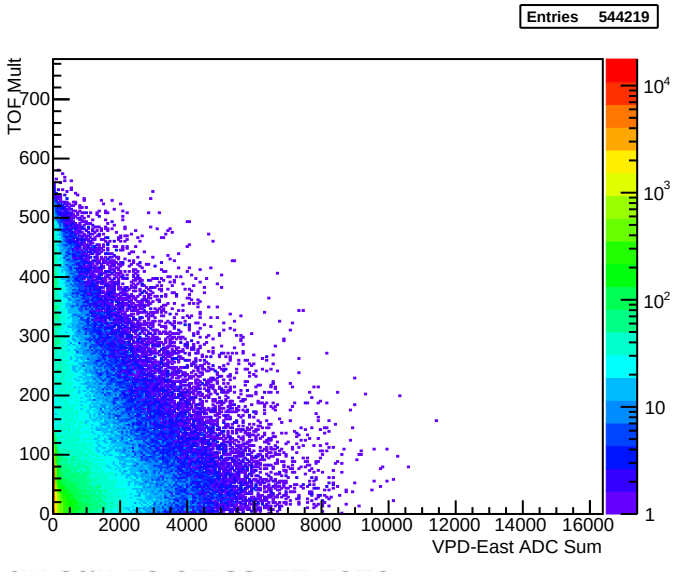

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

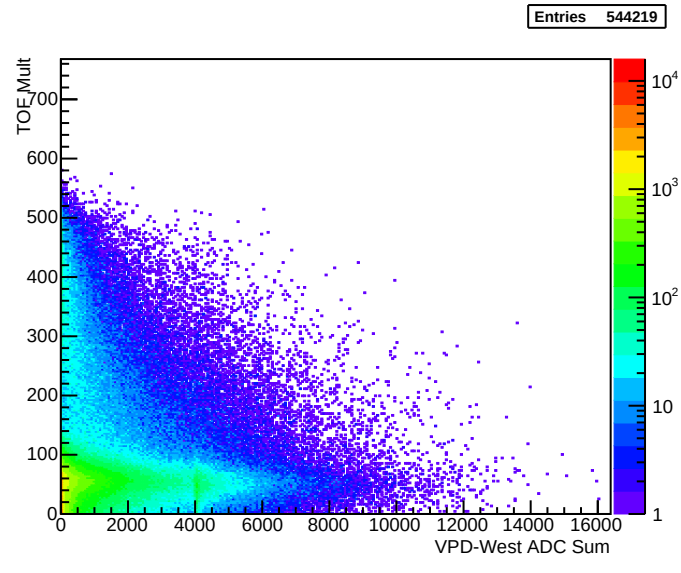

Entries 544219
TOF_Mult
BBC-S-East ADC Sum

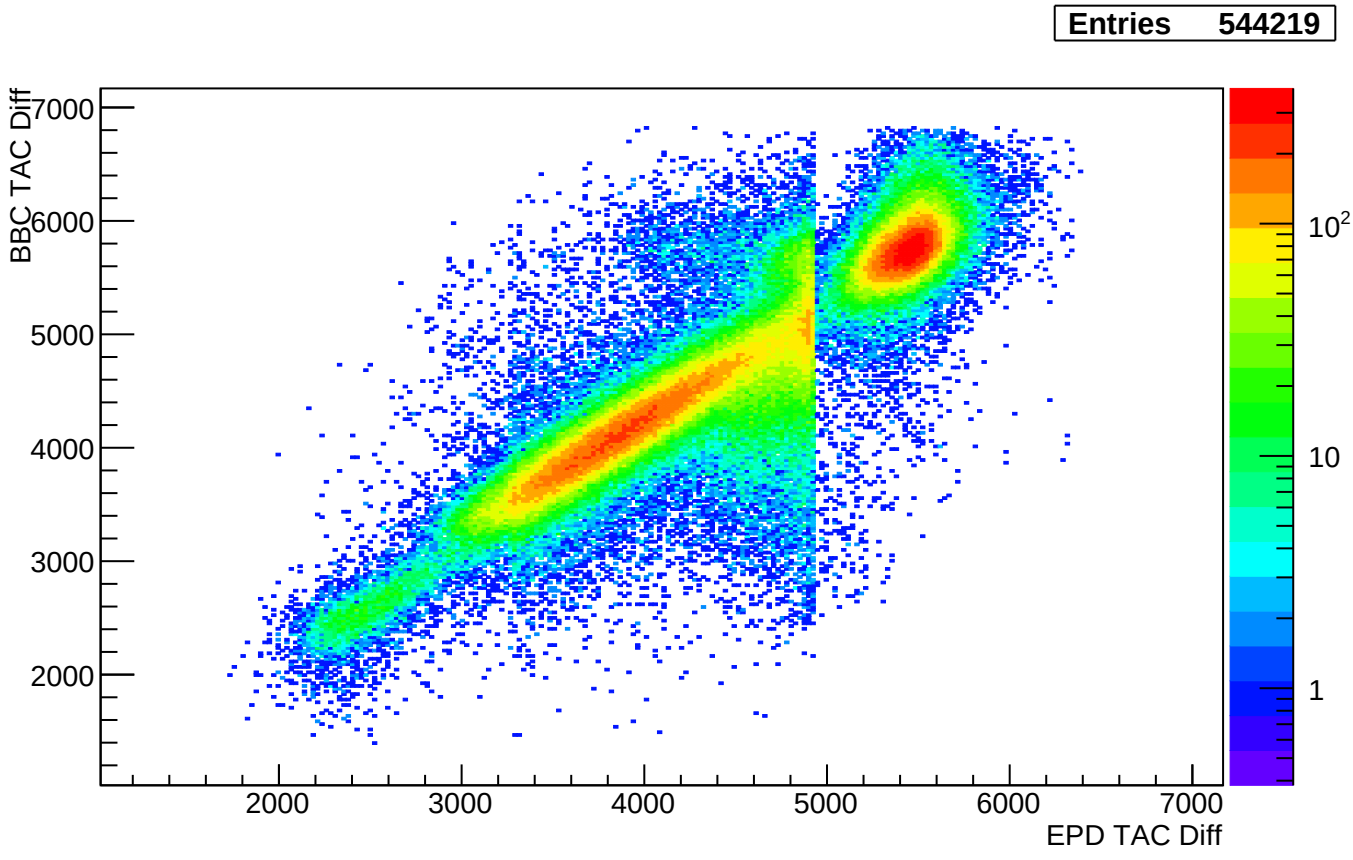

Entries 544219
TOF_Mult
BBC-S-West ADC Sum

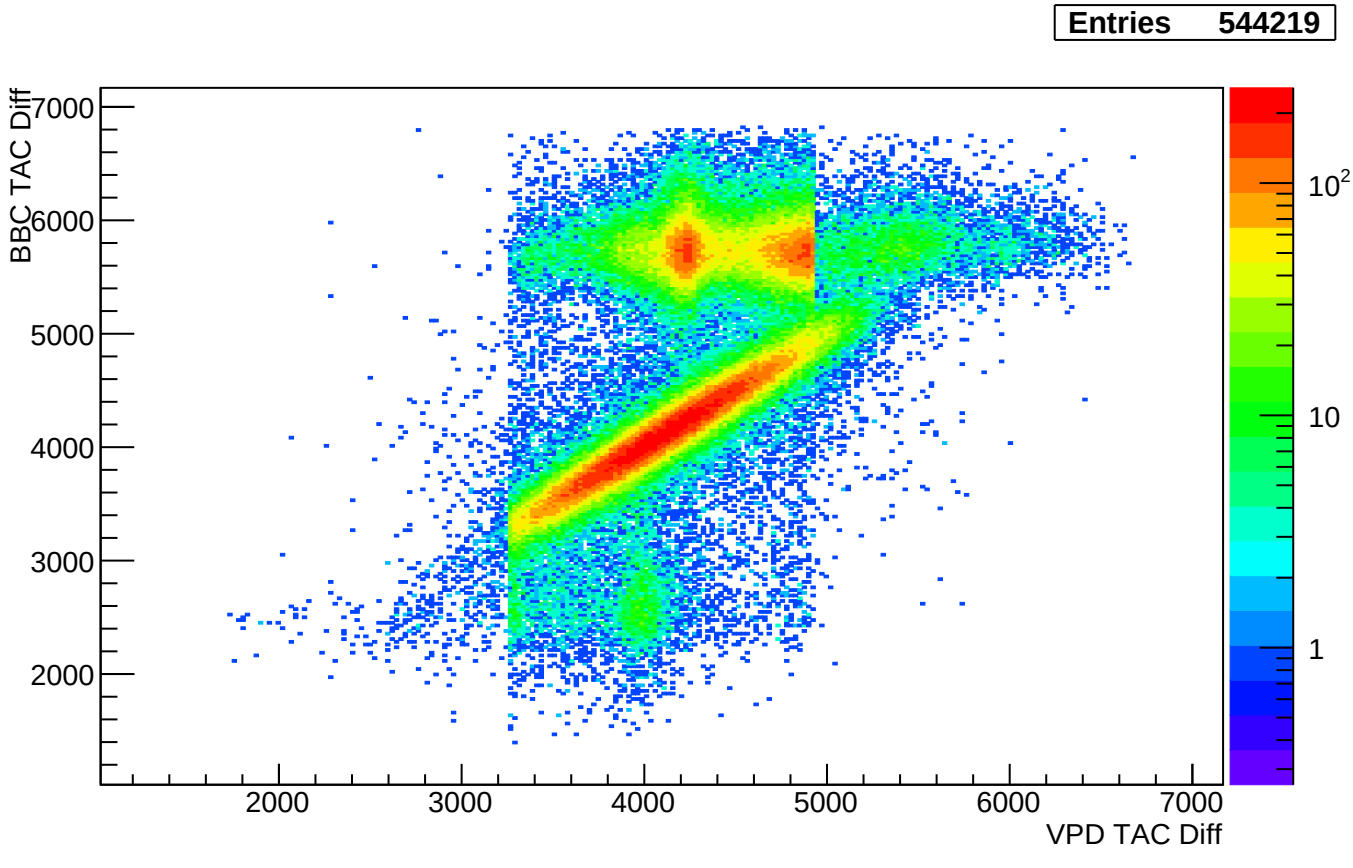

Entries 544219
TOF_Mult
EPD-East Hit Cnt

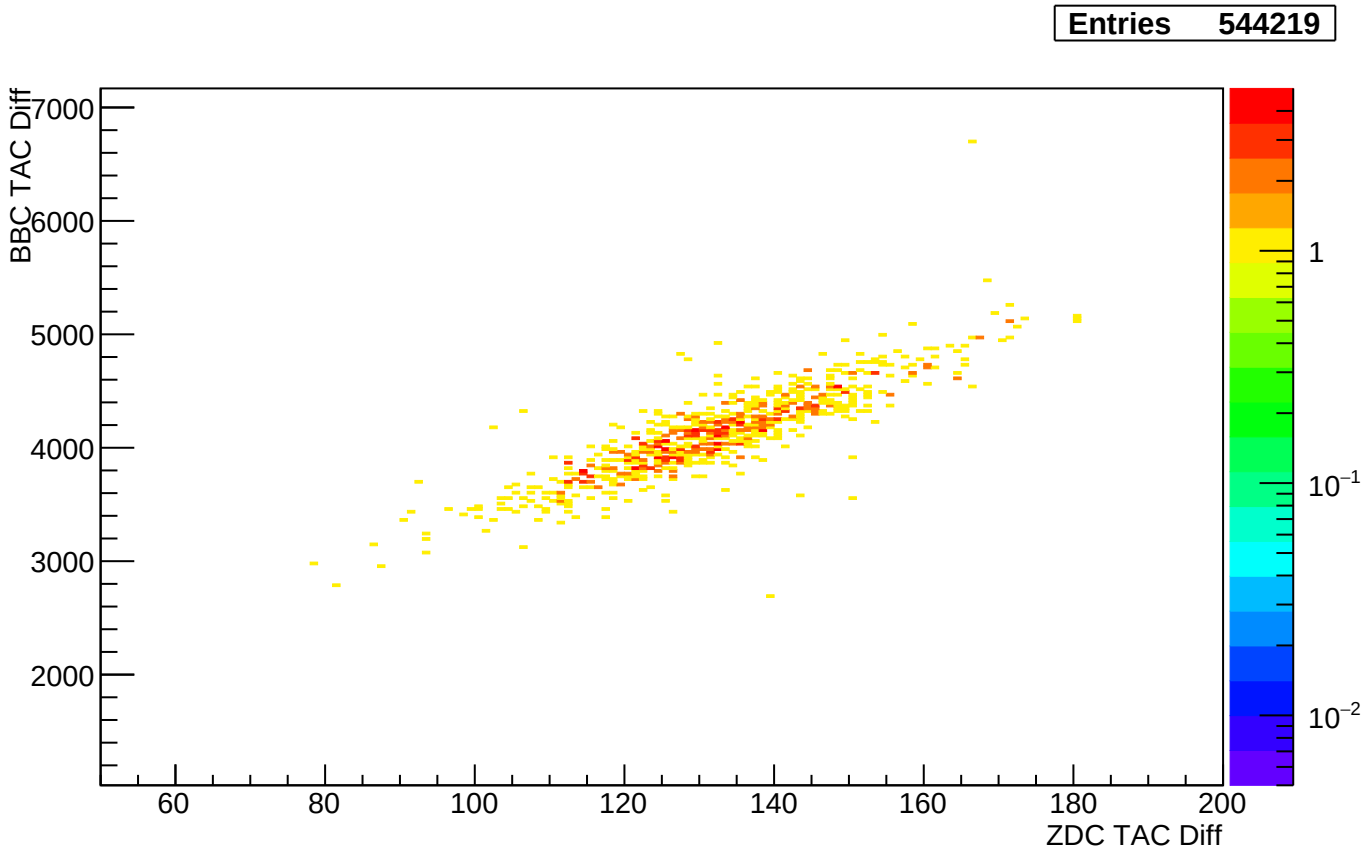

Entries 544219
TOF_Mult
EPD-West Hit Cnt

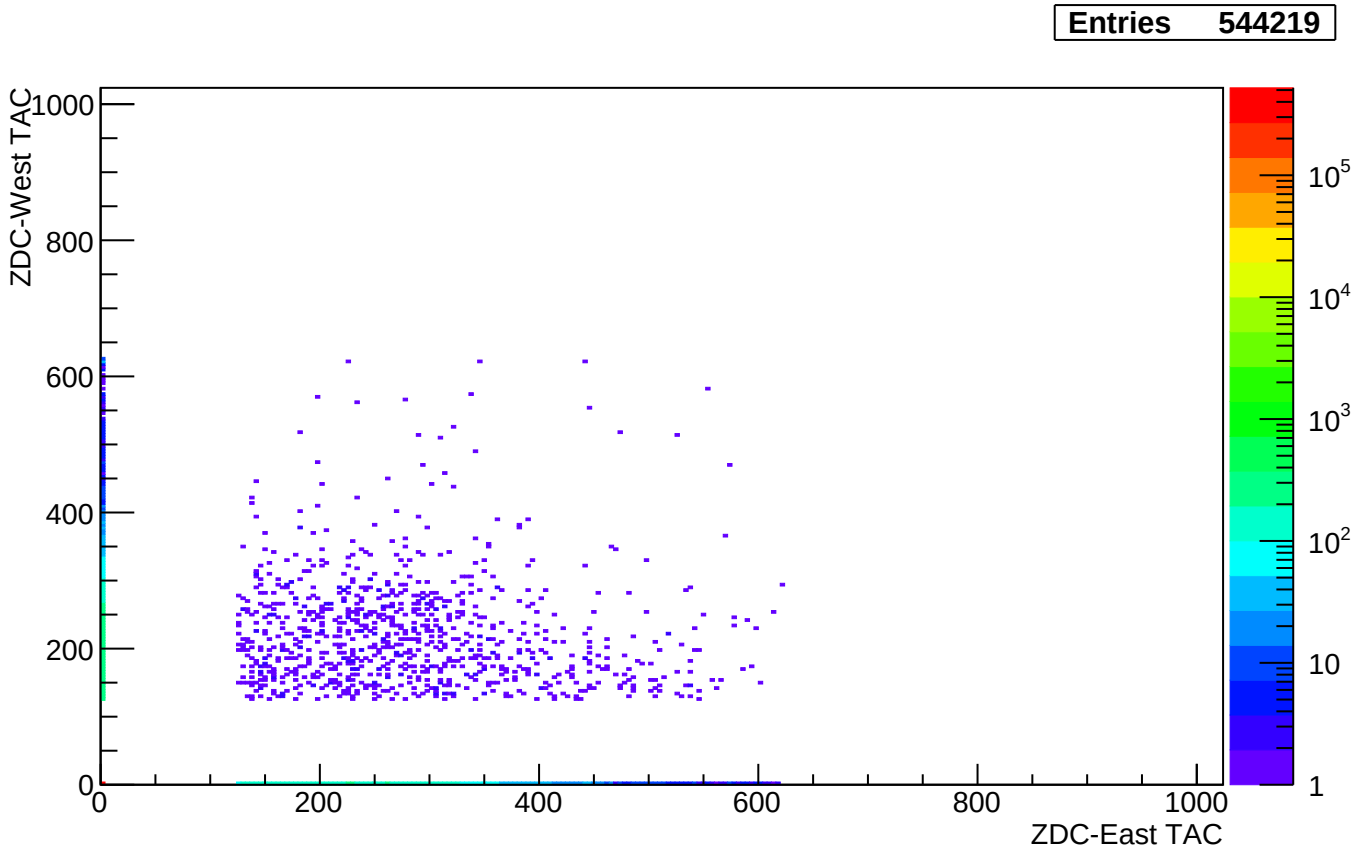

Entries 544219
TOF_Mult
VPD-East ADC Sum

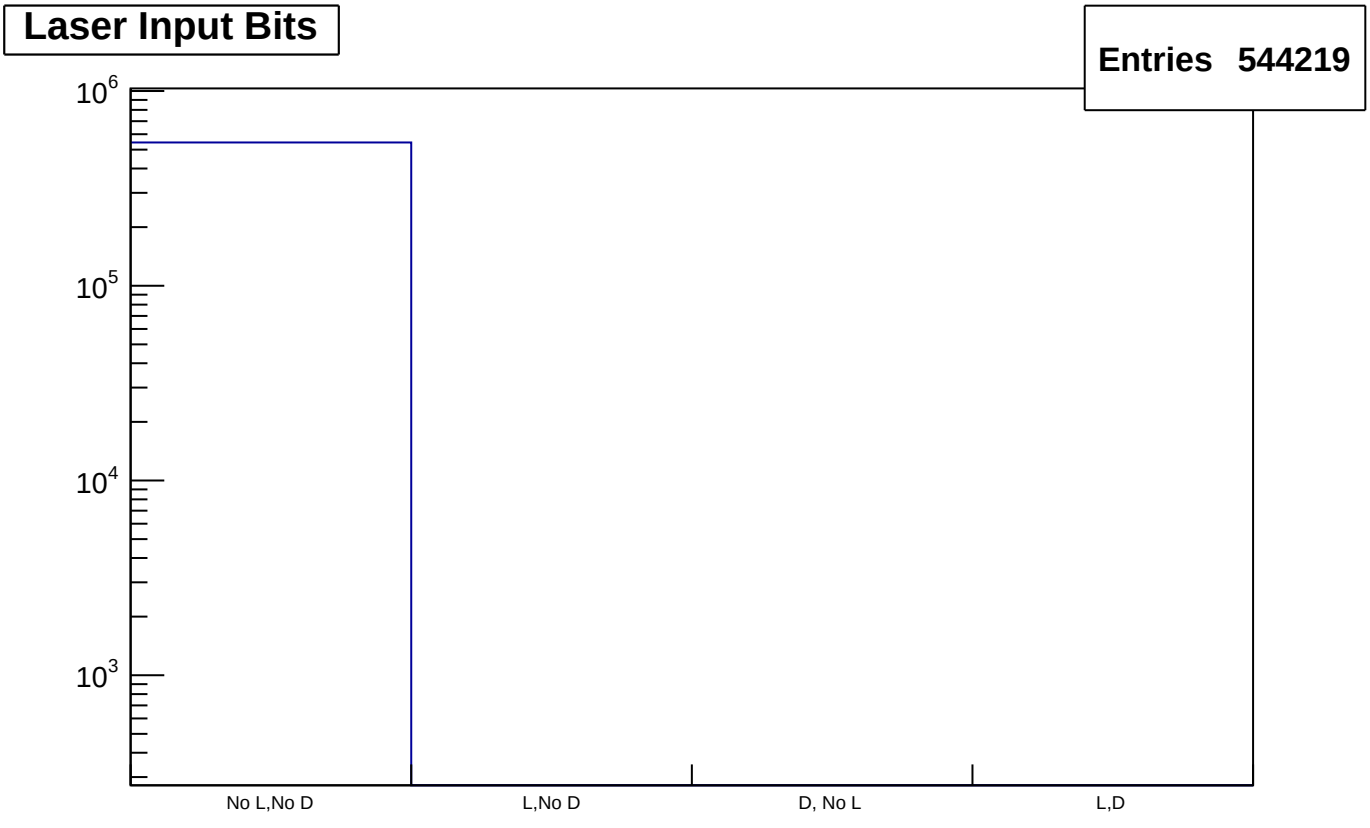

Entries 544219
TOF_Mult
VPD-West ADC Sum

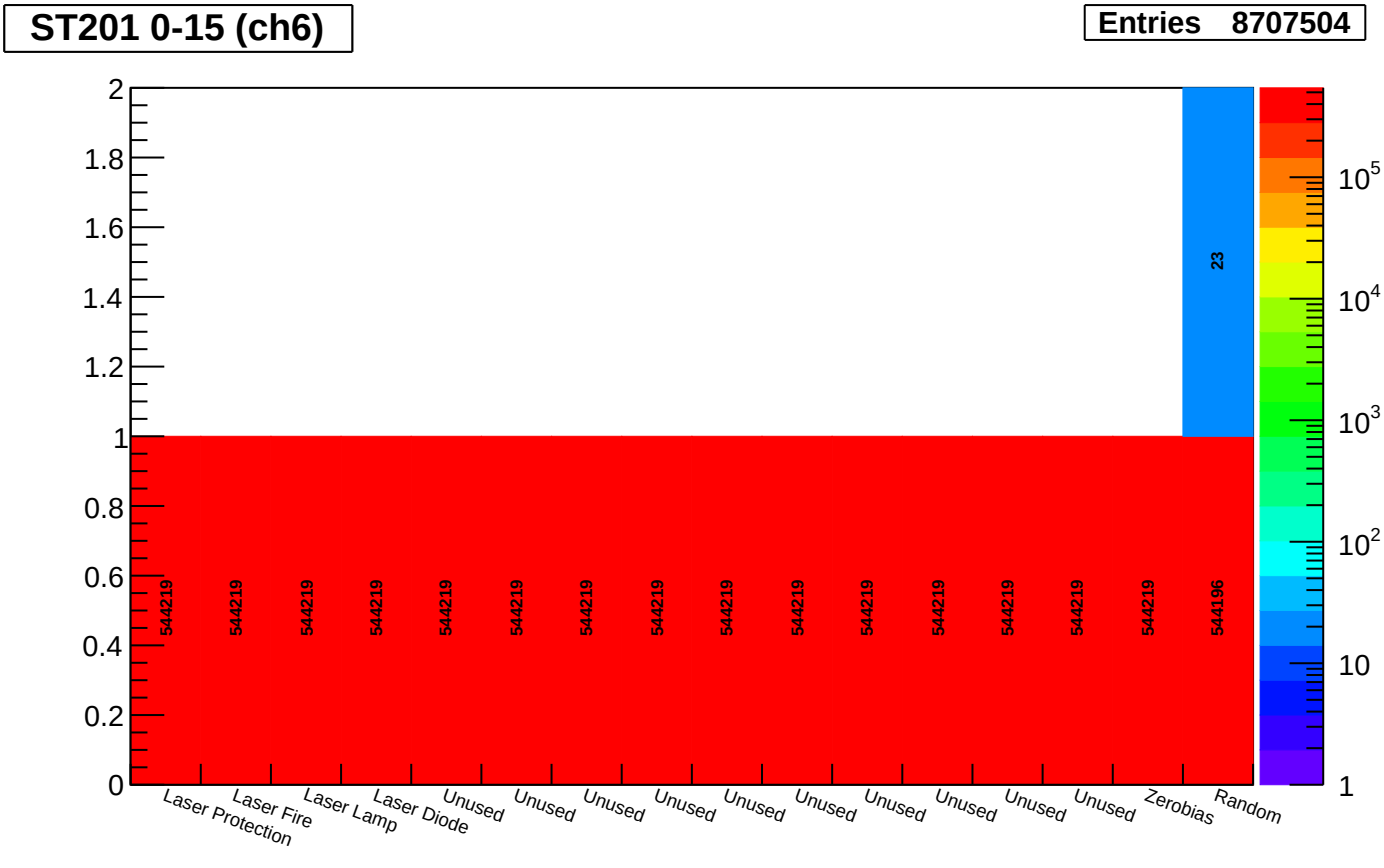

Entries 544219
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

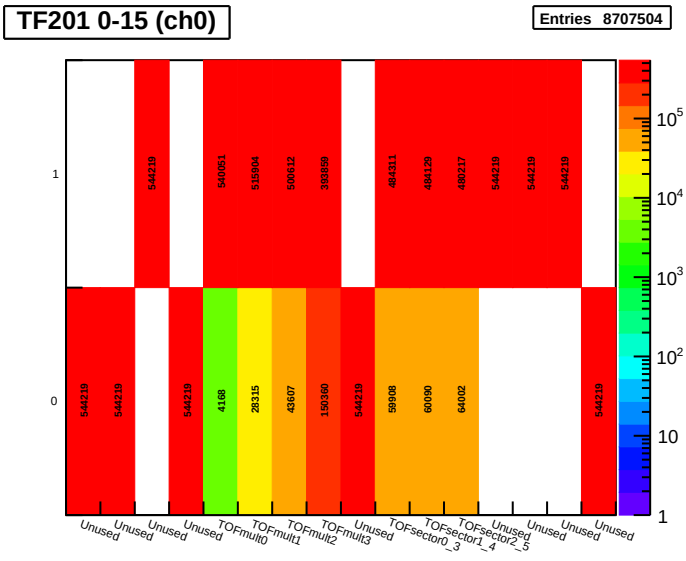

Entries 544219
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

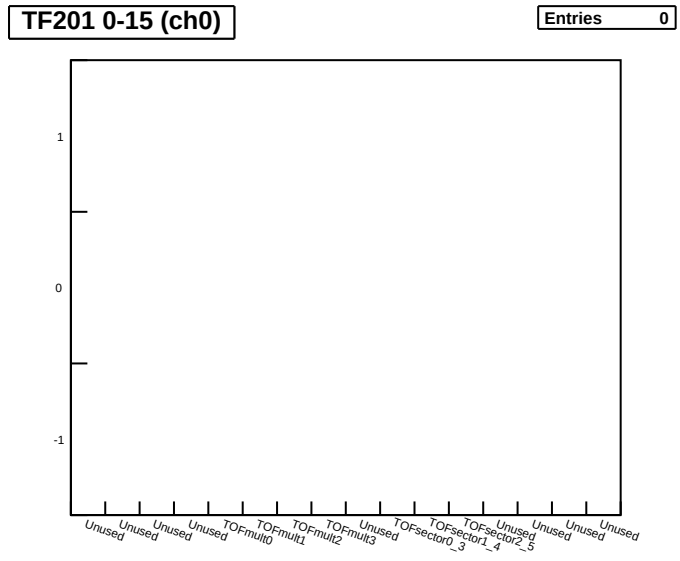

Entries 544219
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

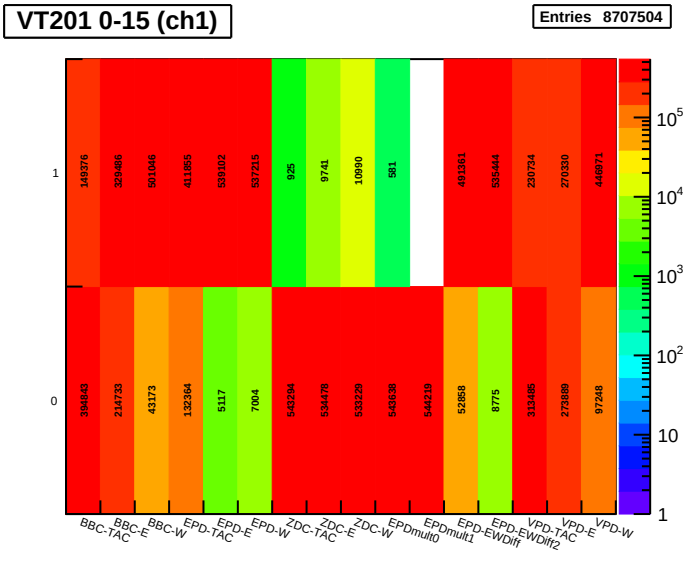

Entries 544219
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

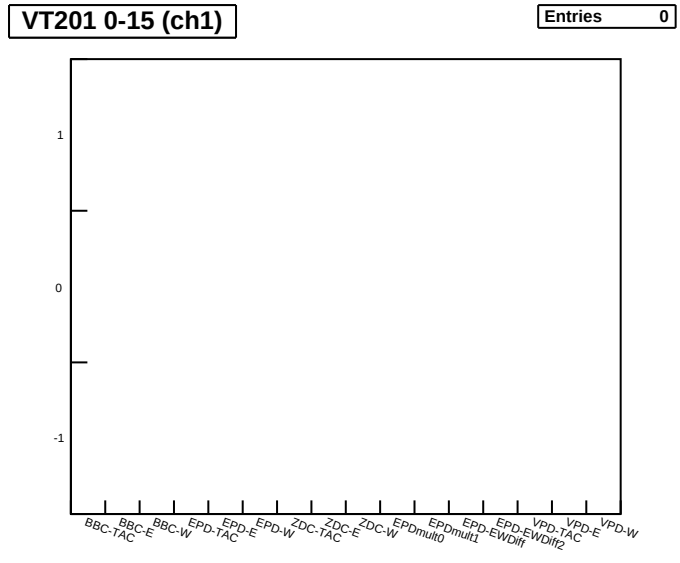

Laser Input Bits
Entries 544219
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

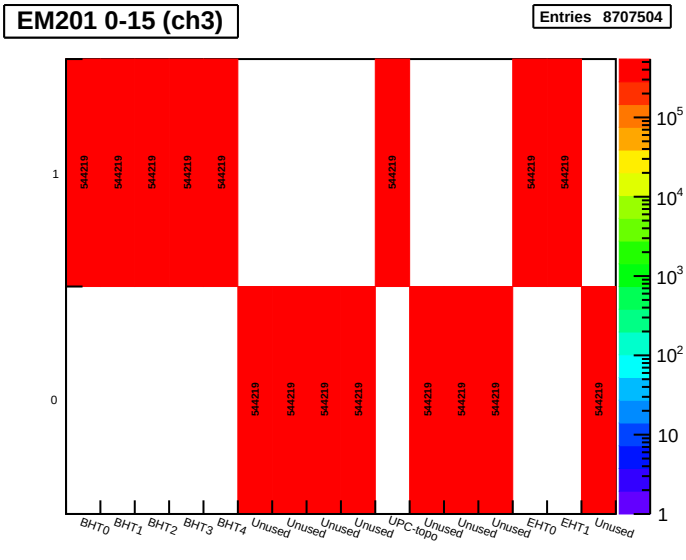

ST201 0-15 (ch6)
Entries 8707504
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
544219
544219
544219
544219
544219
544219
544219
544219
544219
544219
544219
544219
544219
544219
544219
544196
23
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

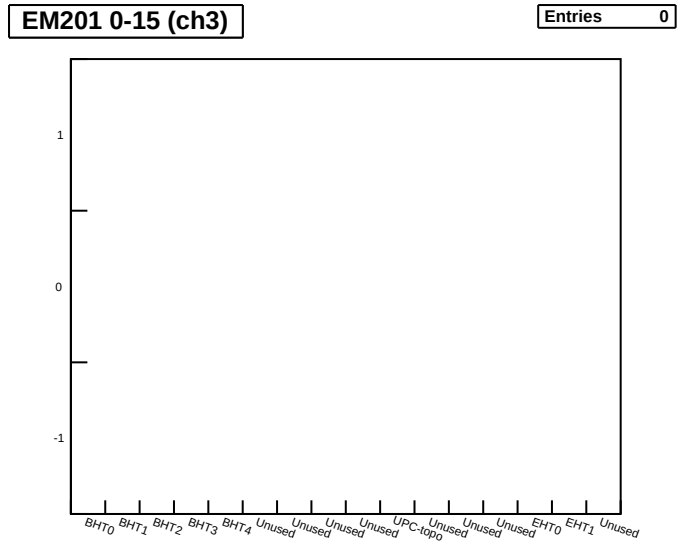

TF201 0-15 (ch0)
Entries 8707504
1
0
544219 544219 544219 4188 28315 43607 150360 544219 59908 60090 64002 544219
544219 540651 515904 500612 393859 484311 484129 480217 544219 544219 544219
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
1 10 10^2 10^3 10^4 10^5


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 8707504
1
0
149376 329486 501046 411855 539102 537215 925 9741 10990 981 491361 535444 230734 270330 446971
394843 214733 43173 132364 5117 7004 543294 534478 533229 543638 544219 52658 8775 313485 273889 97248
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
1 10 10^2 10^3 10^4 10^5


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 8707504
1
0
544219 544219 544219 544219 544219 544219 544219 544219
544219 544219 544219 544219 544219 544219 544219 544219
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1 10 10^2 10^3 10^4 10^5


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