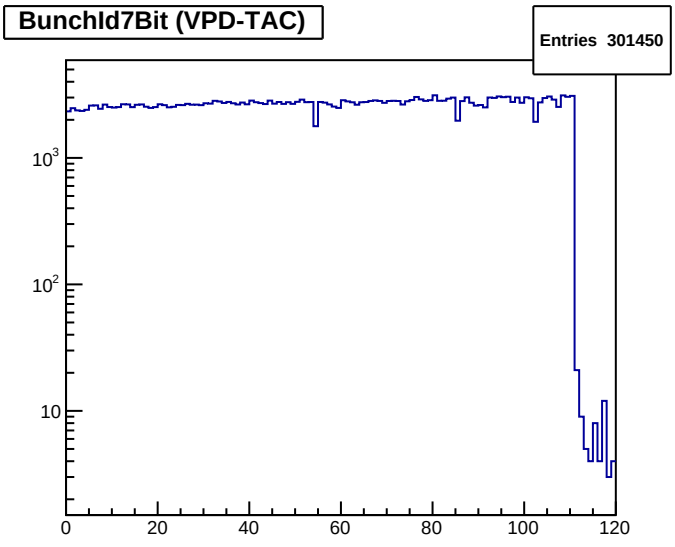
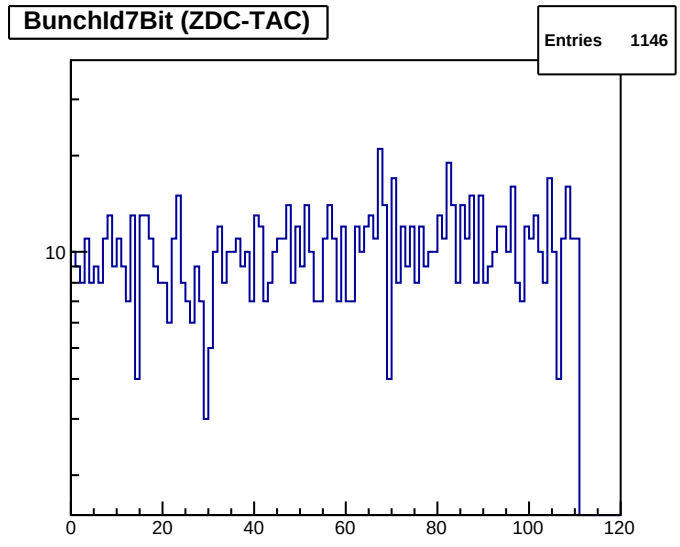
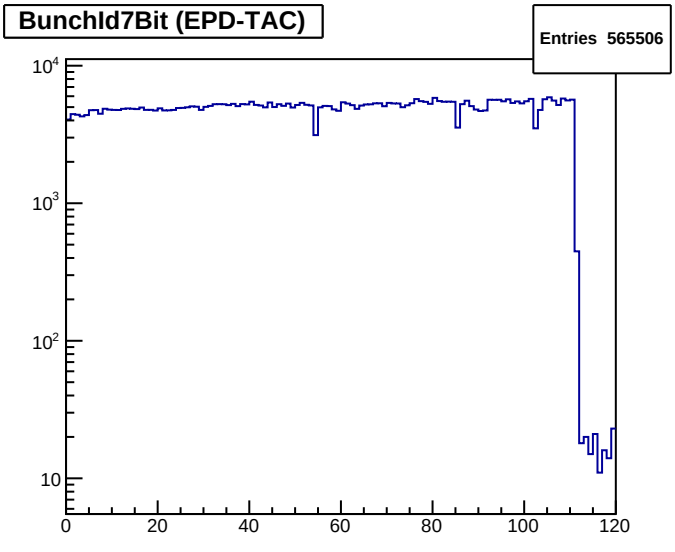
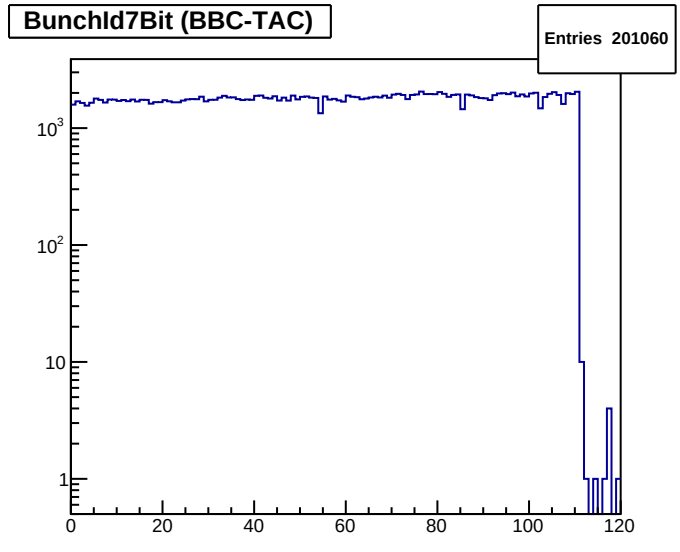
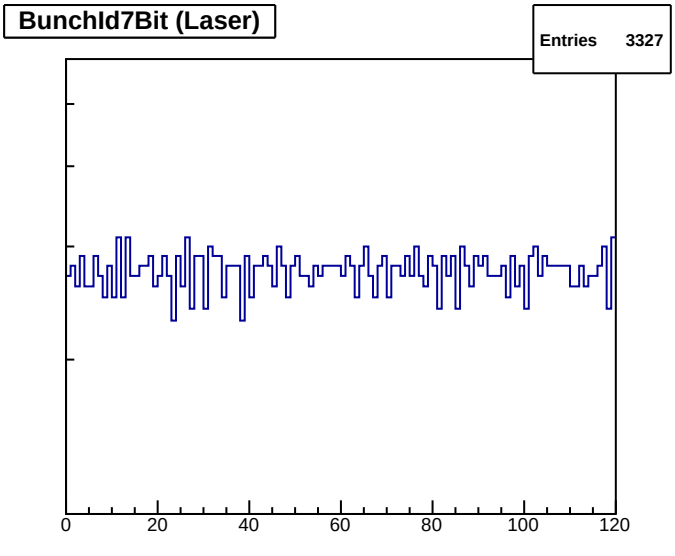
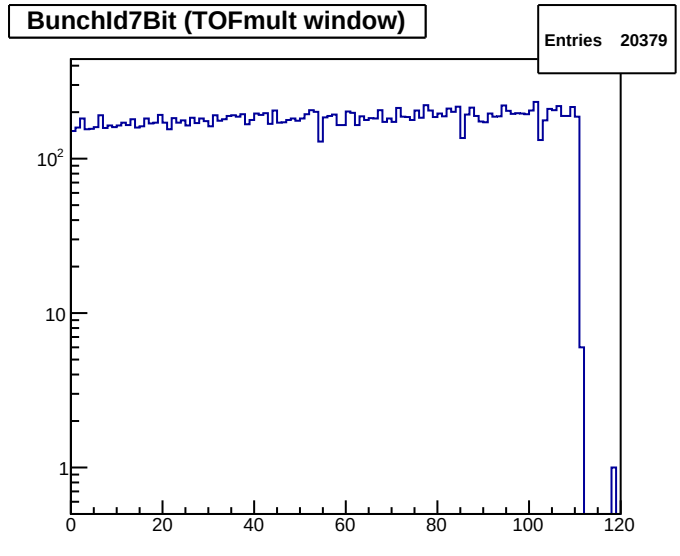

BunchId7Bit (VPD-TAC)
Entries 301450
10^3
10^2
10
0 20 40 60 80 100 120

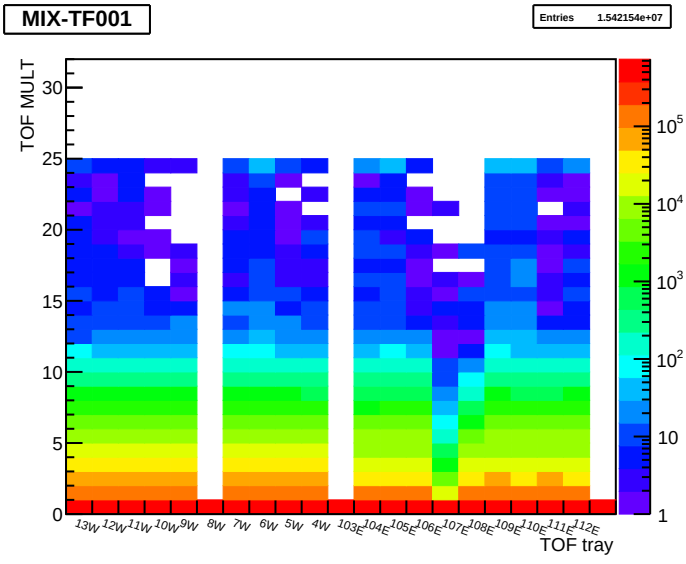

BunchId7Bit (ZDC-TAC)
Entries 1146
10
0 20 40 60 80 100 120

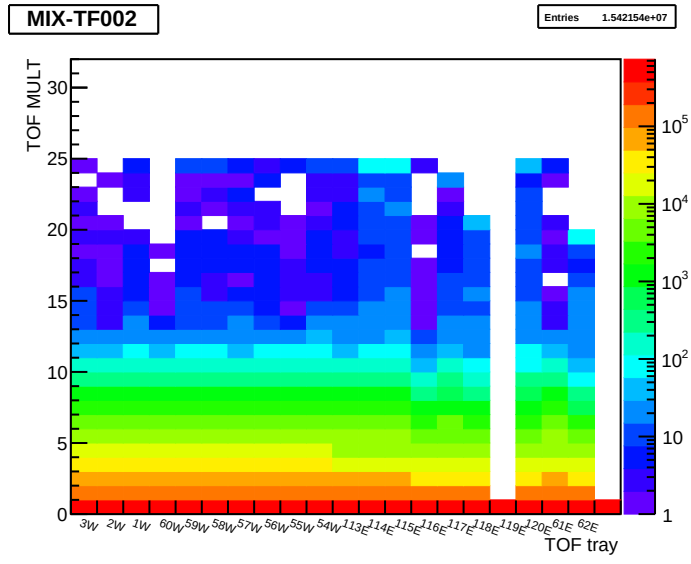

BunchId7Bit (EPD-TAC)
Entries 565506
10^4
10^3
10^2
10
0 20 40 60 80 100 120

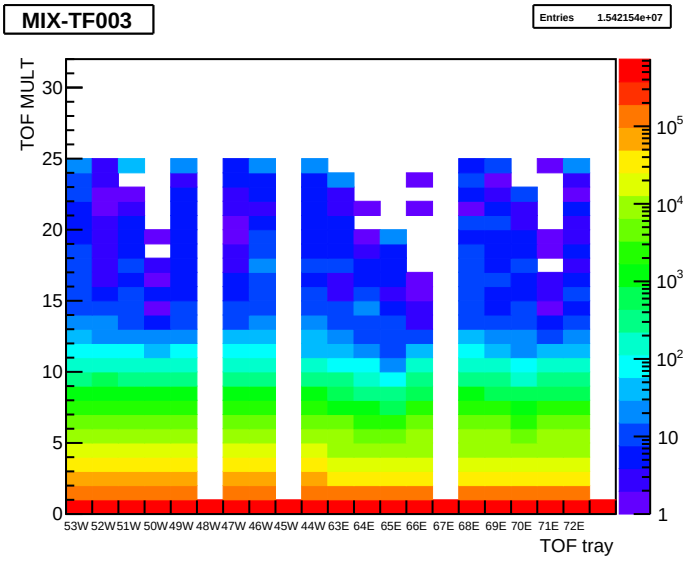

BunchId7Bit (BBC-TAC)
Entries 201060
10^3
10^2
10
1
0 20 40 60 80 100 120

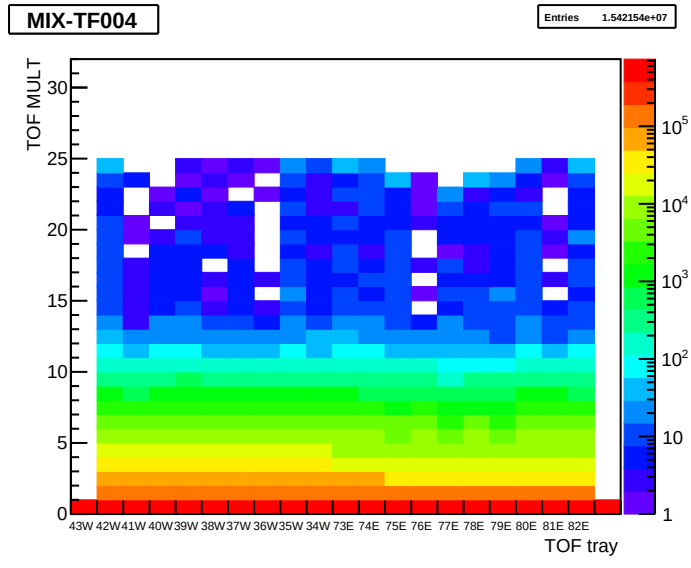

BunchId7Bit (Laser)
Entries 3327
0 20 40 60 80 100 120

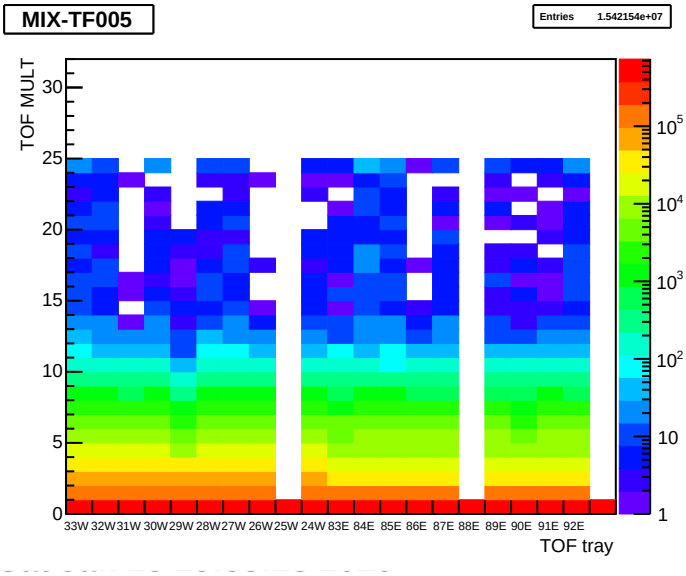

BunchId7Bit (TOFmult window)
Entries 20379
10^2
10
1
0 20 40 60 80 100 120

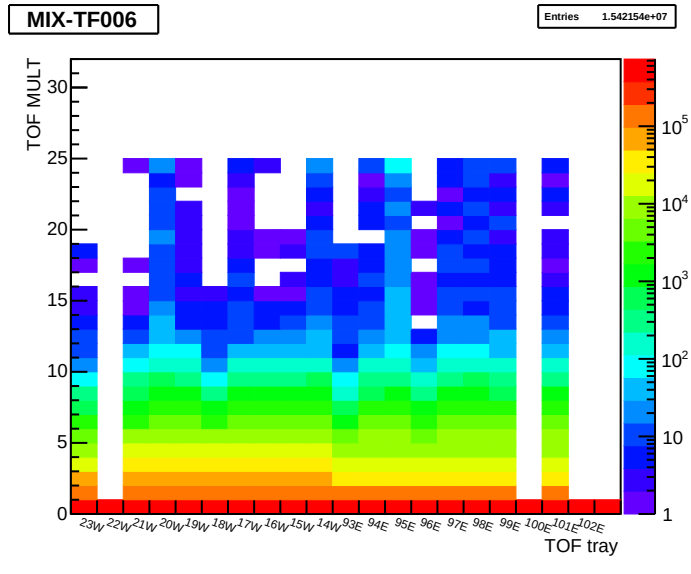

MIX-TF001
Entries 1.542154e+07
TOF MULT
TOF tray

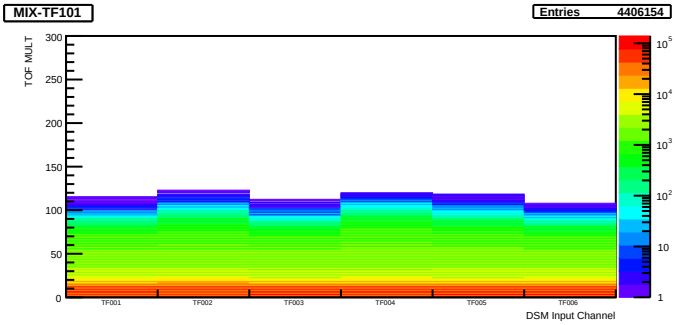

MIX-TF002
Entries 1.542154e+07
TOF MULT
TOF tray

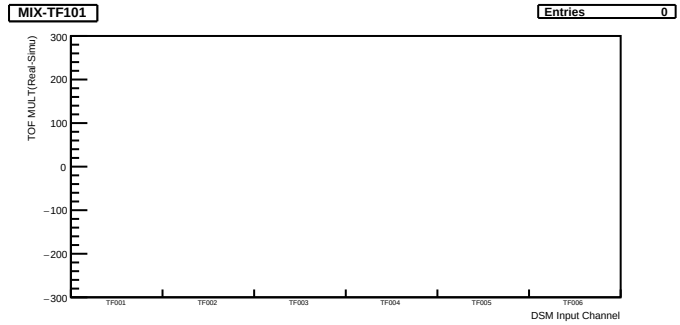

MIX-TF003
Entries 1.542154e+07
TOF MULT
TOF tray

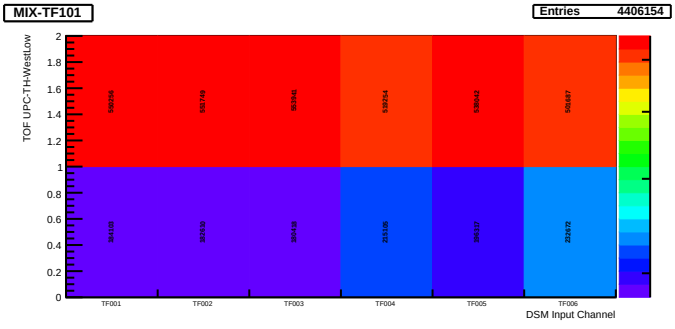

MIX-TF004
Entries 1.542154e+07
TOF MULT
TOF tray

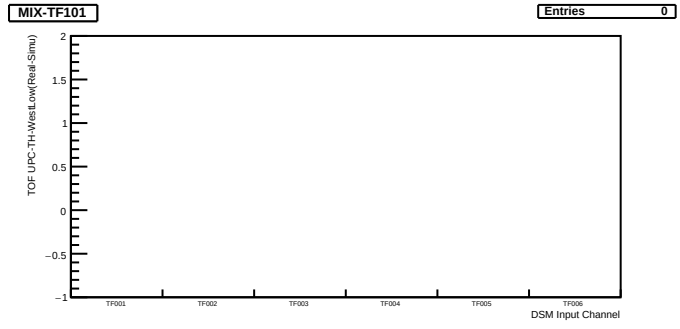

MIX-TF005
Entries 1.542154e+07
TOF MULT
TOF tray

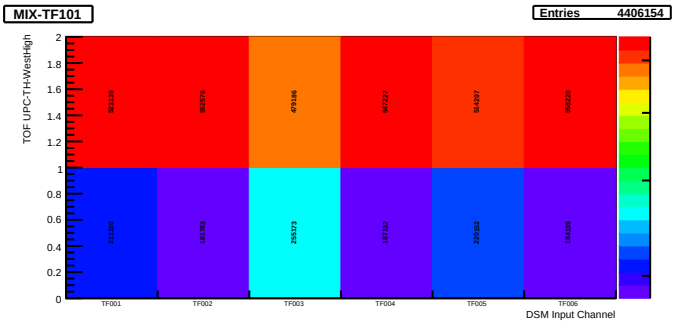

MIX-TF006
Entries 1.542154e+07
TOF MULT
TOF tray

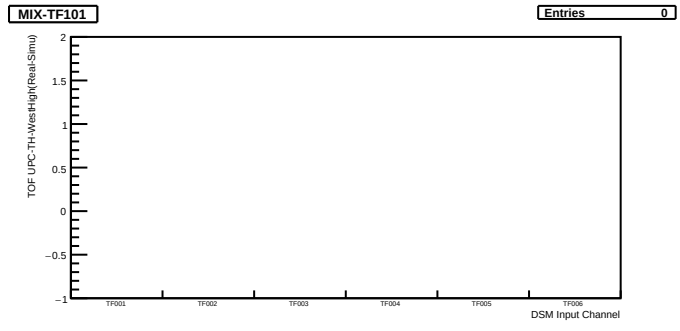

MIX-TF101
Entries 4406154
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

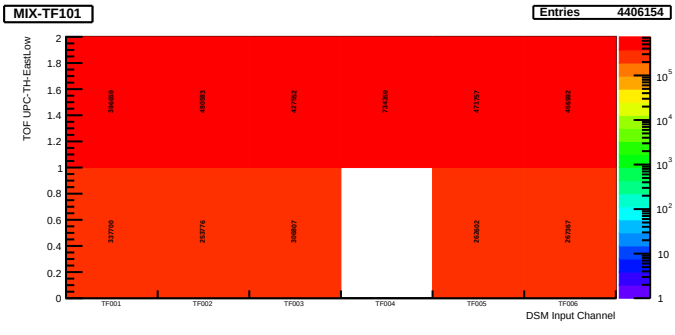

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

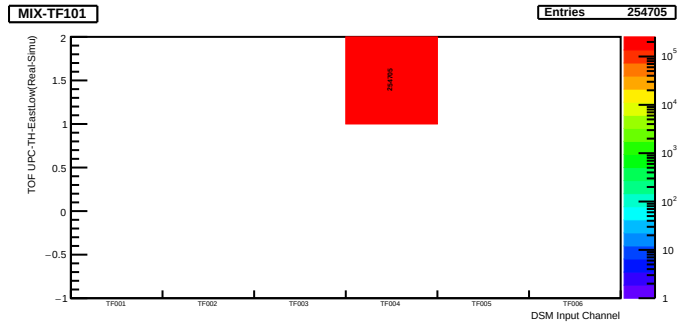

MIX-TF101
Entries 4406154
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

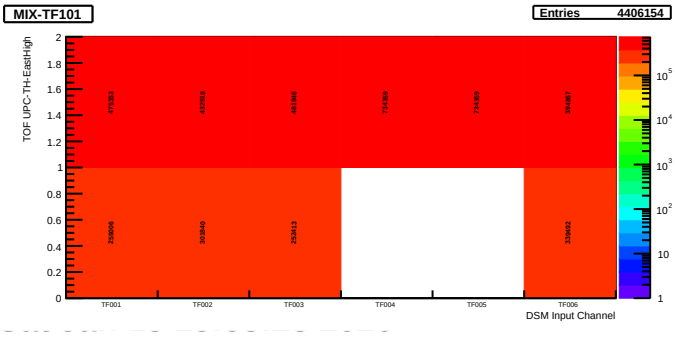

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

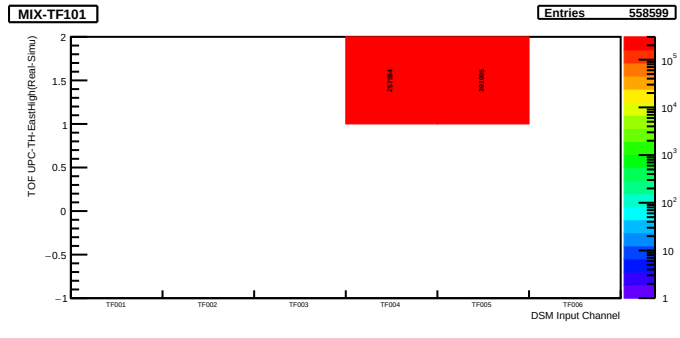

MIX-TF101
Entries 4406154
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

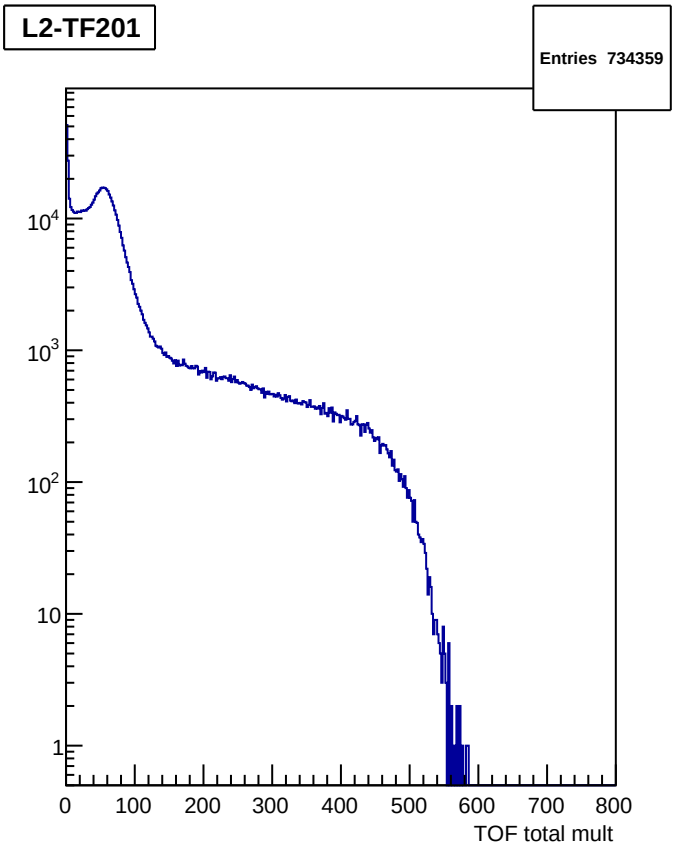

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

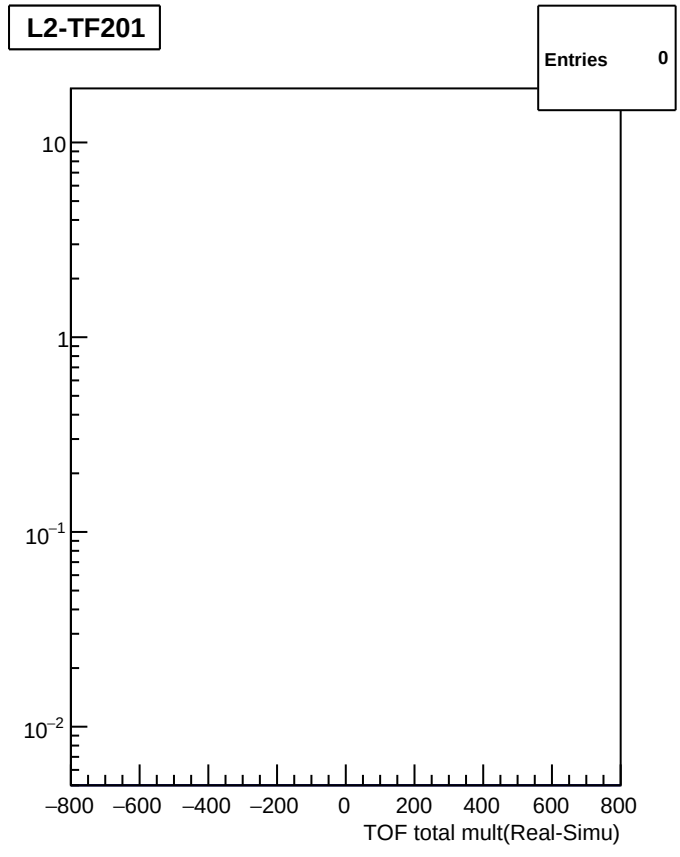

MIX-TF101
Entries 4406154
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

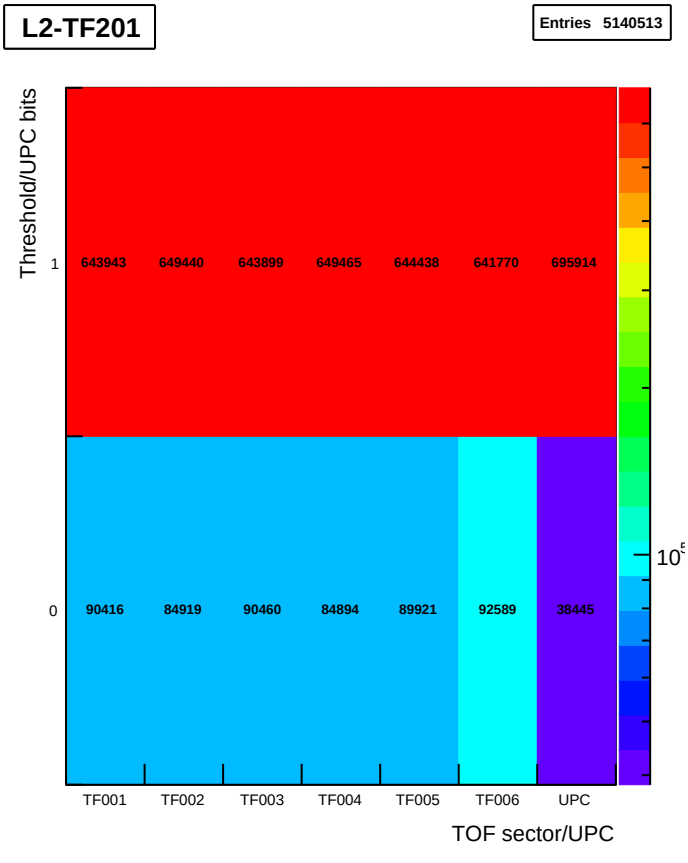

MIX-TF101
Entries 254705
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

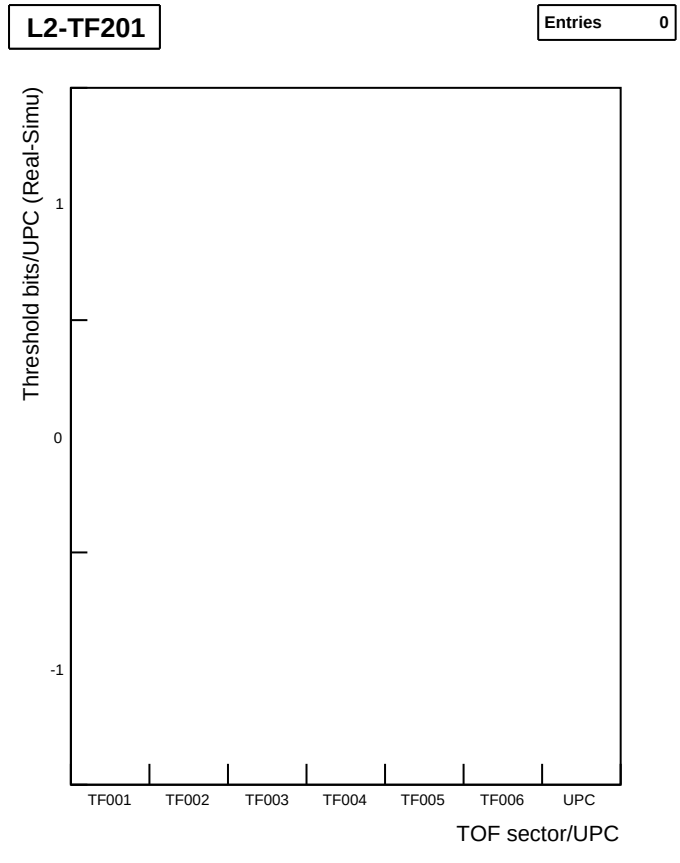

MIX-TF101
Entries 4406154
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

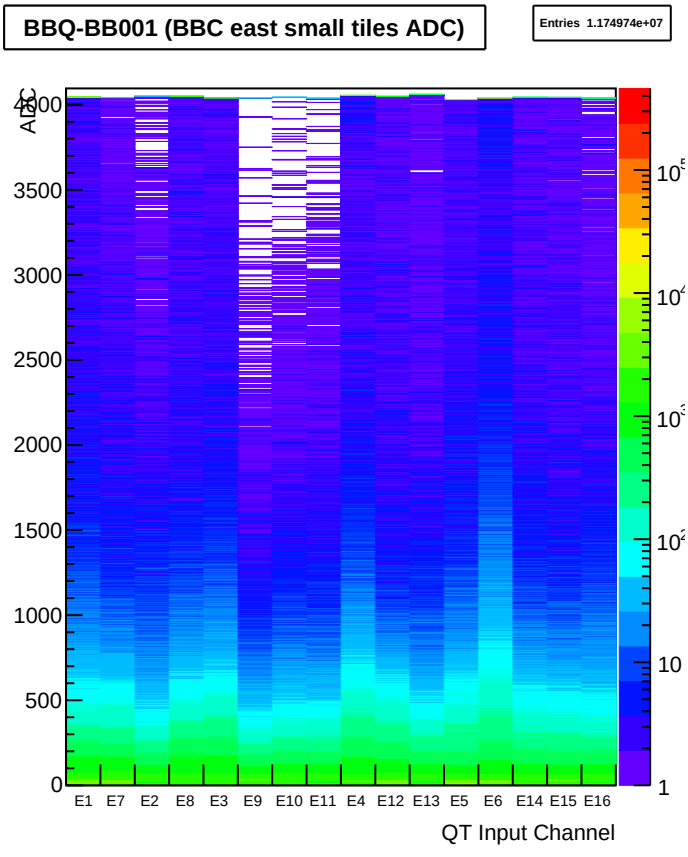

MIX-TF101
Entries 558599
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

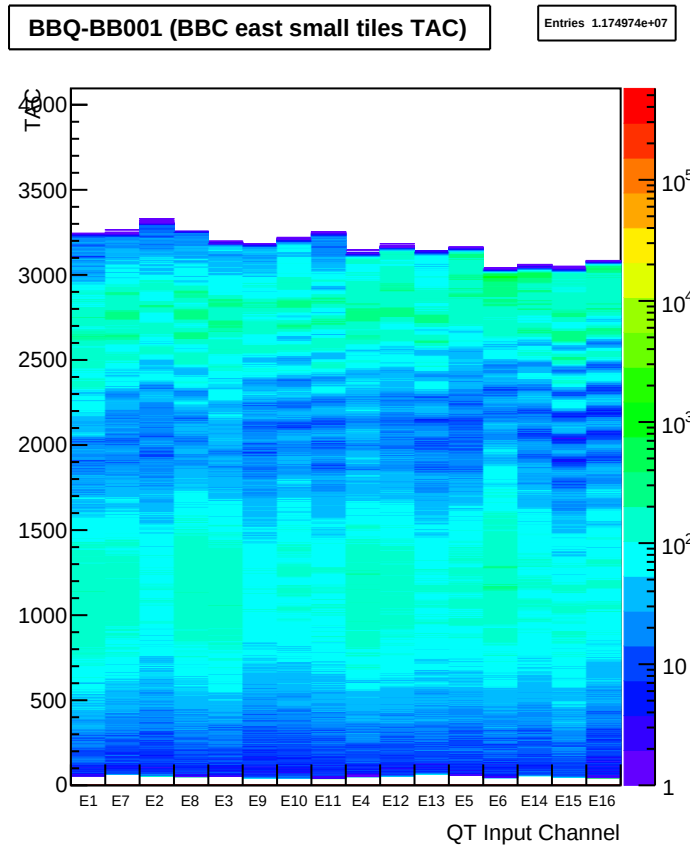

L2-TF201
Entries 734359
TOF total mult

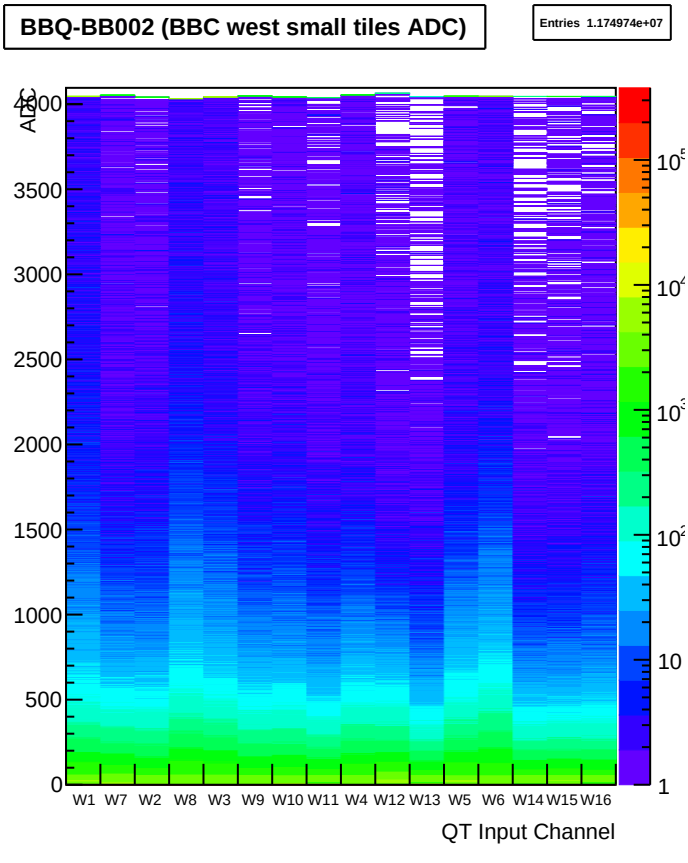

L2-TF201
Entries 0
TOF total mult(Real-Simu)

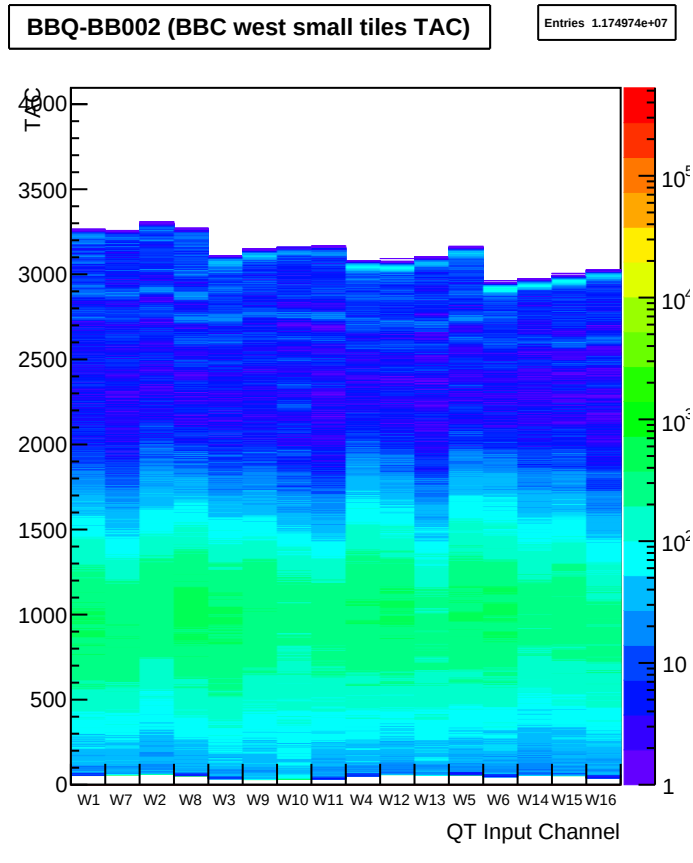

L2-TF201
Entries 5140513
Threshold/UPC bits
643943
649440
643899
649465
644438
641770
695914
90416
84919
90460
84894
89921
92589
38445
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

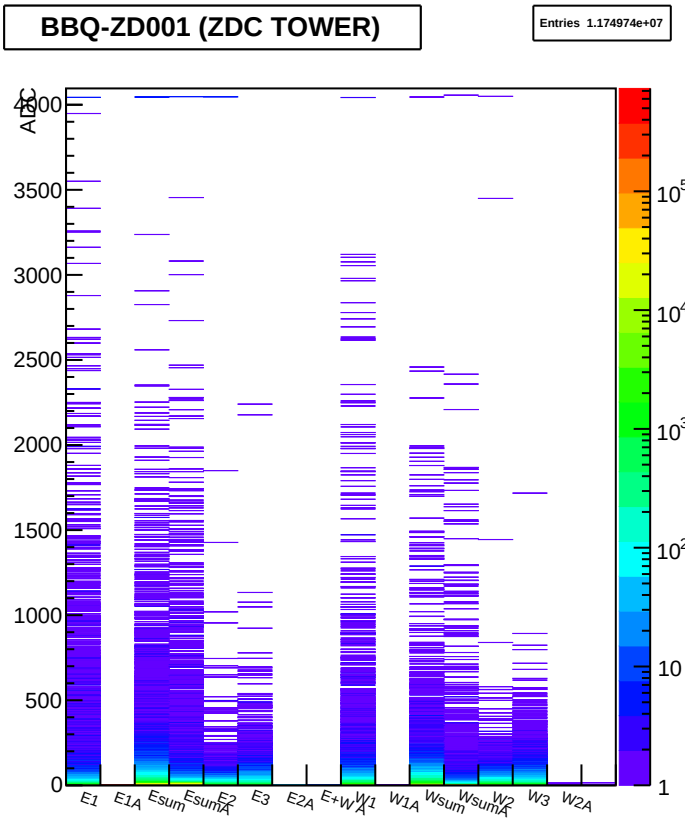

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

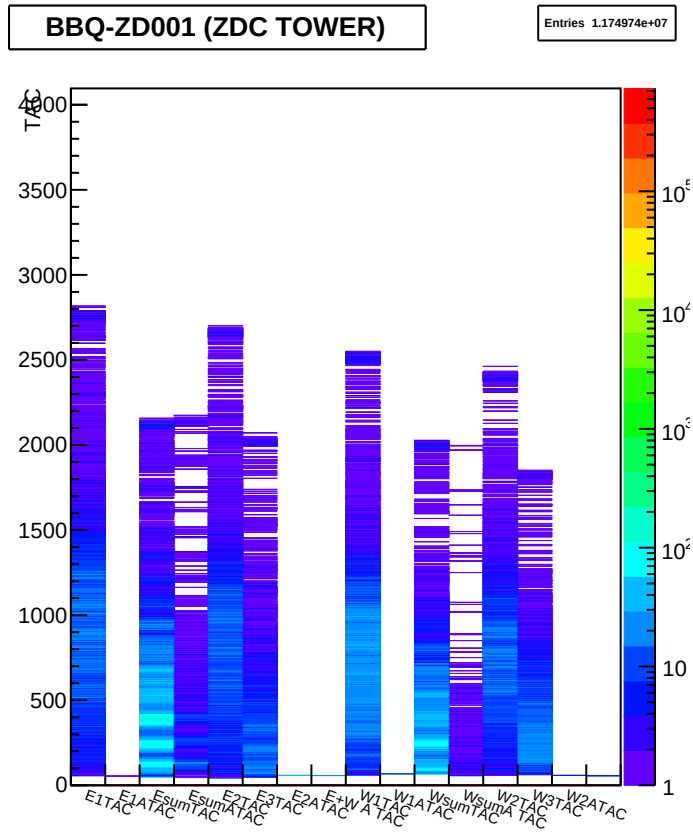

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.174974e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

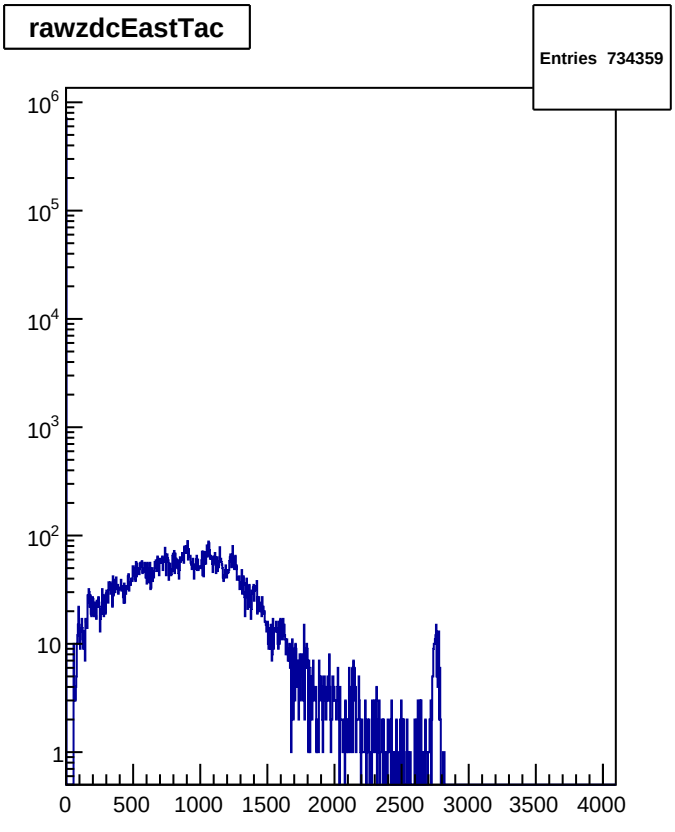

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.174974e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

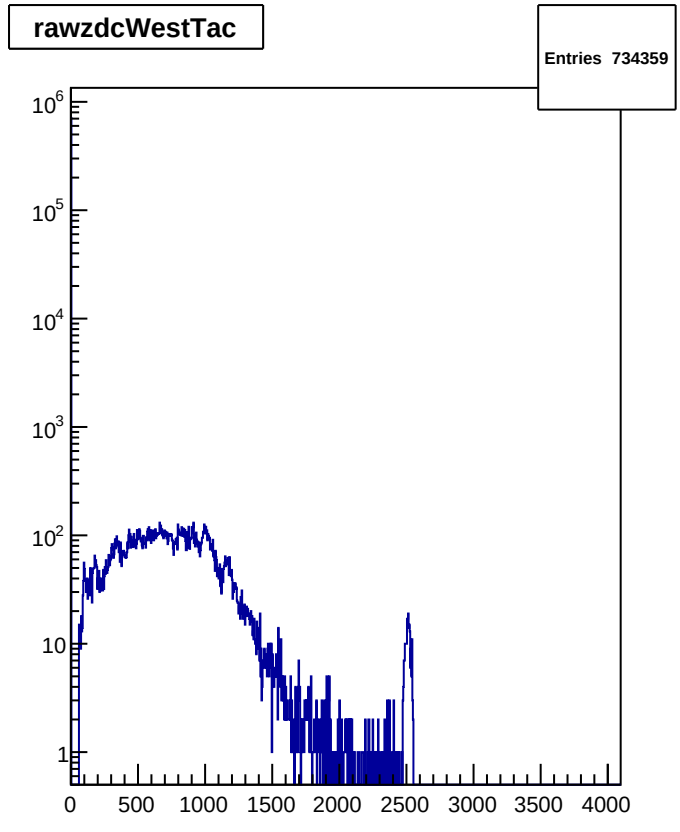

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.174974e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

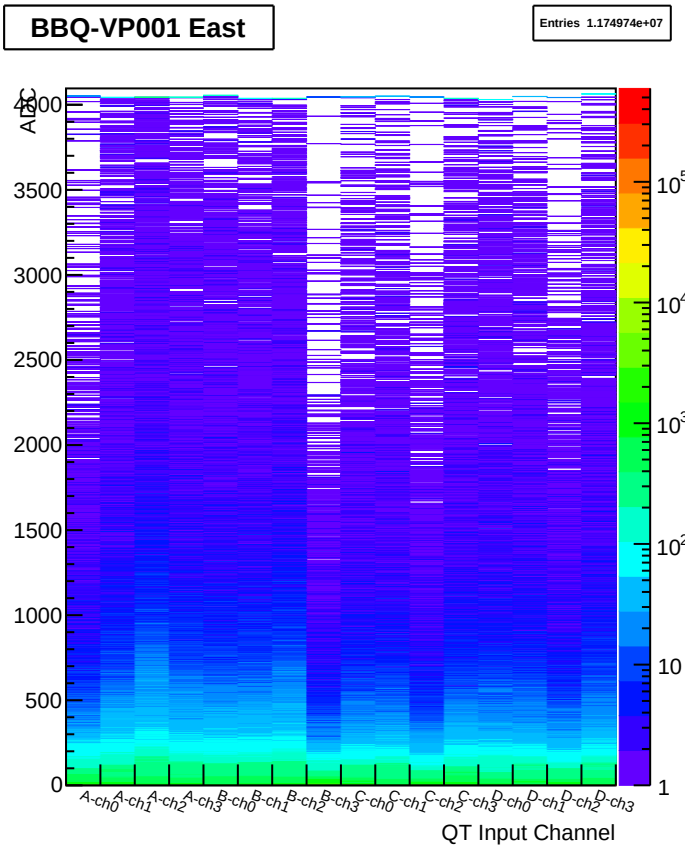

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.174974e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

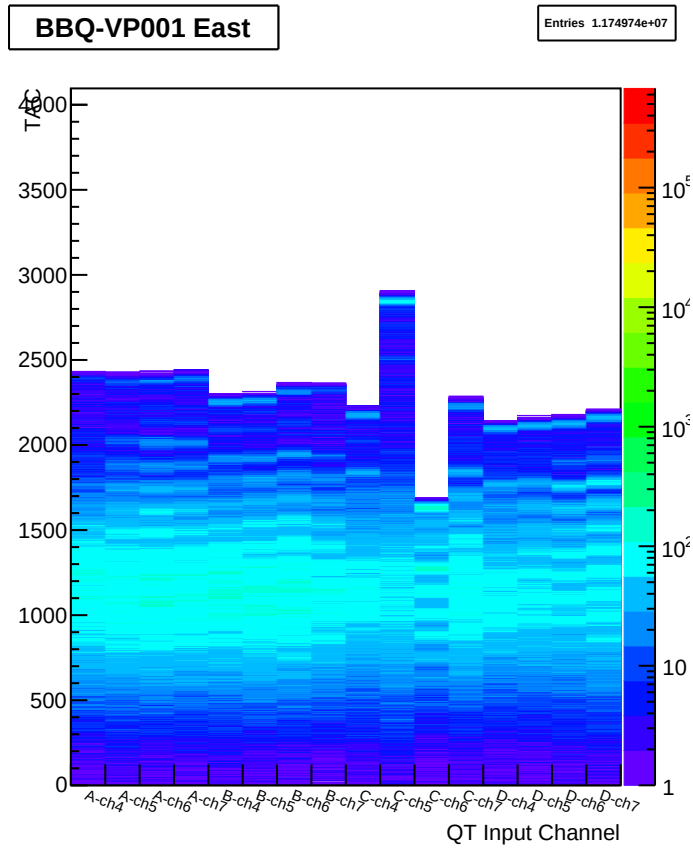

BBQ-ZD001 (ZDC TOWER)
Entries 1.174974e+07
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

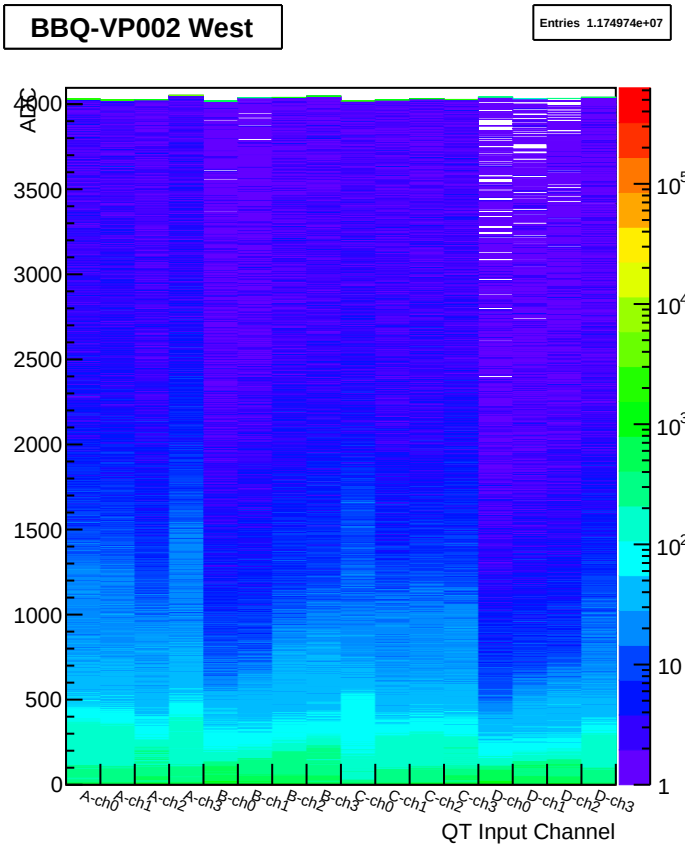

BBQ-ZD001 (ZDC TOWER)
Entries 1.174974e+07
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

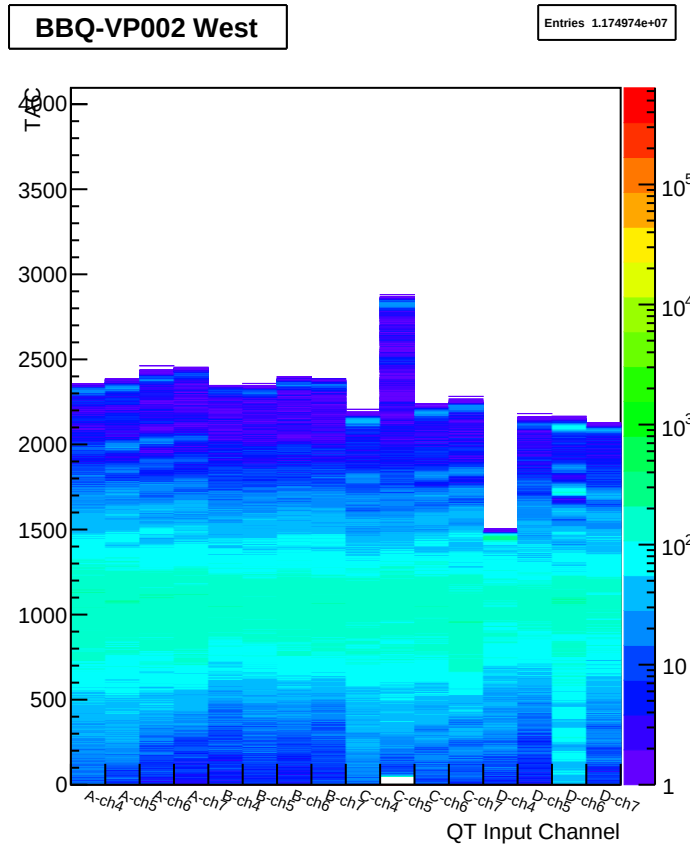

rawzdcEastTac
Entries 734359

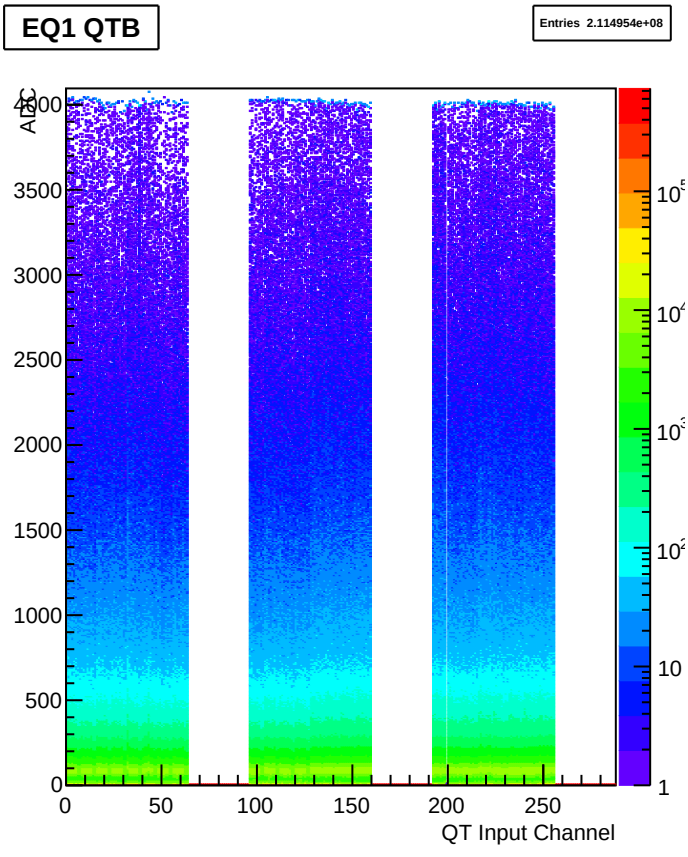

rawzdcWestTac
Entries 734359

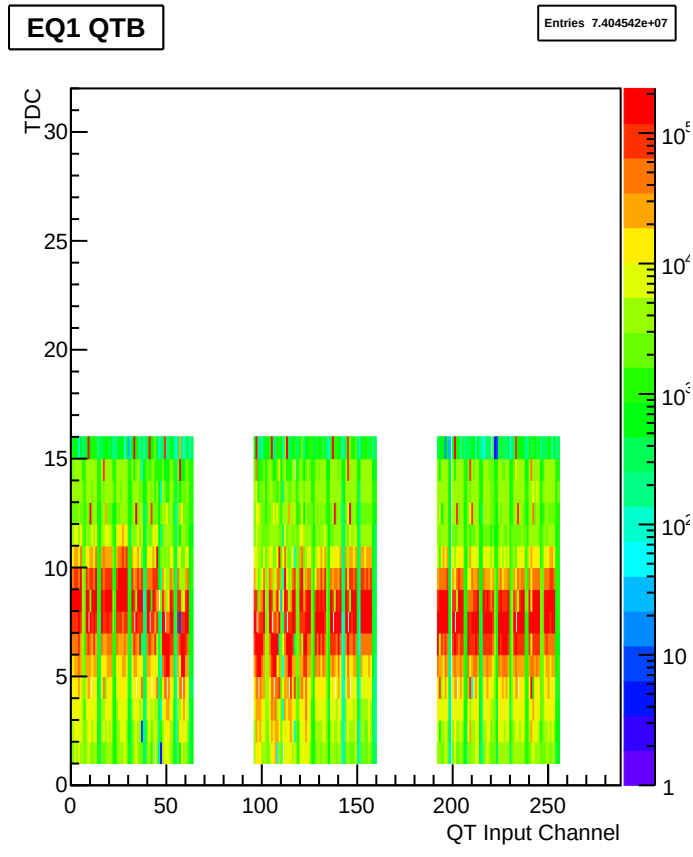

BBQ-VP001 East
Entries 1.174974e+07
ADC
QT Input Channel

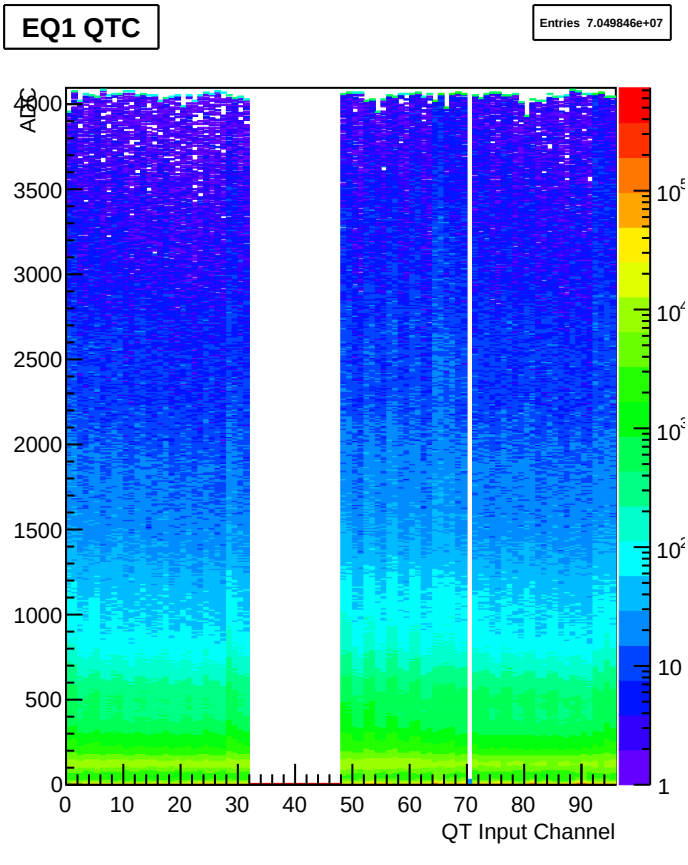

BBQ-VP001 East
Entries 1.174974e+07
TADC
QT Input Channel

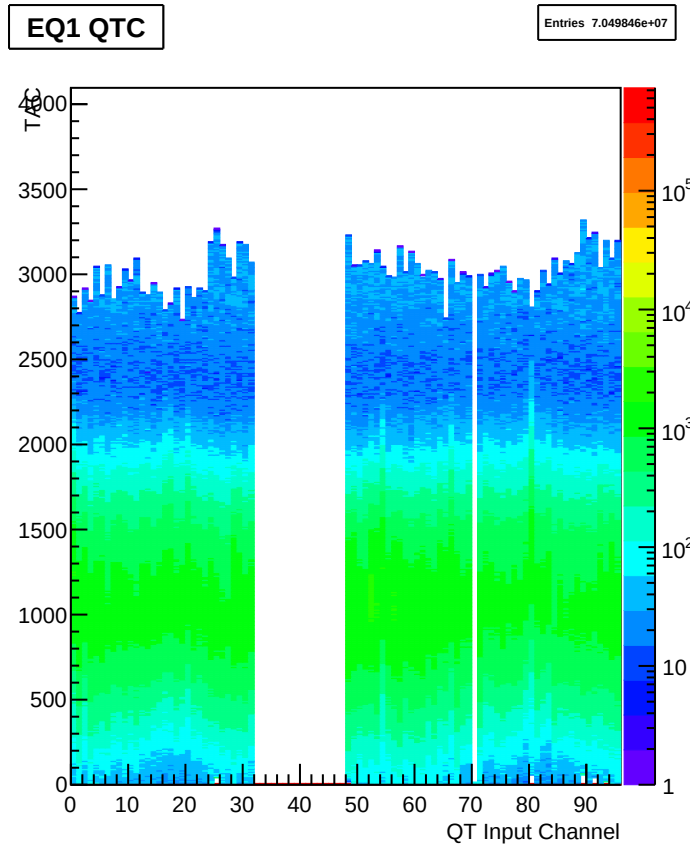

BBQ-VP002 West
Entries 1.174974e+07
ADC
QT Input Channel

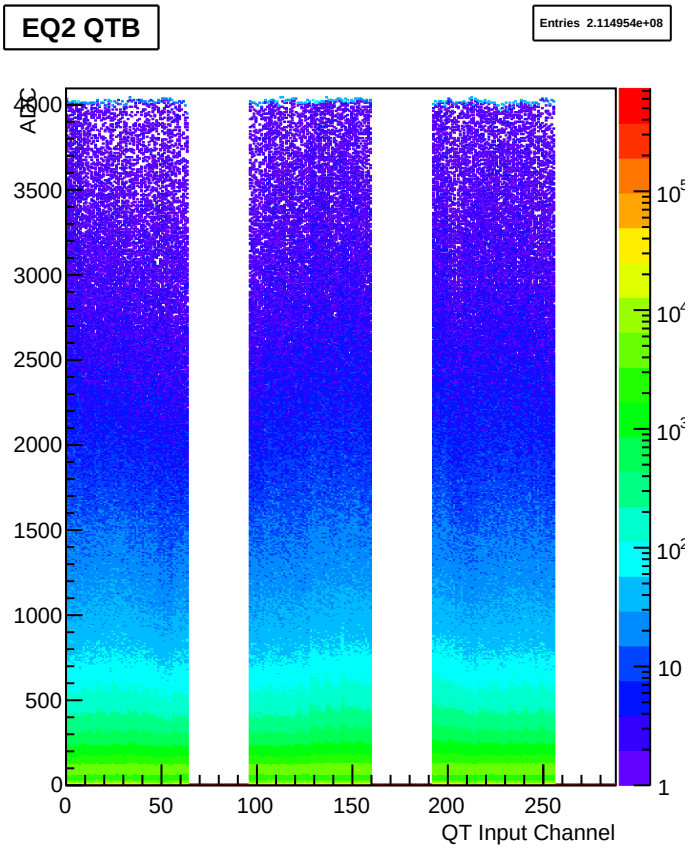

BBQ-VP002 West
Entries 1.174974e+07
TADC
QT Input Channel

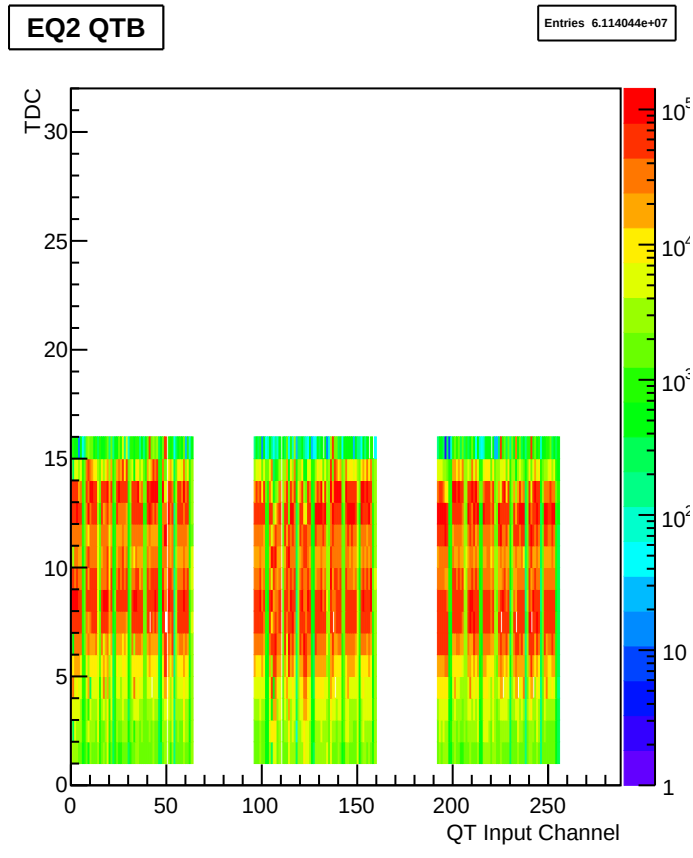

EQ1 QTB
Entries 2.114954e+08
ADC
QT Input Channel

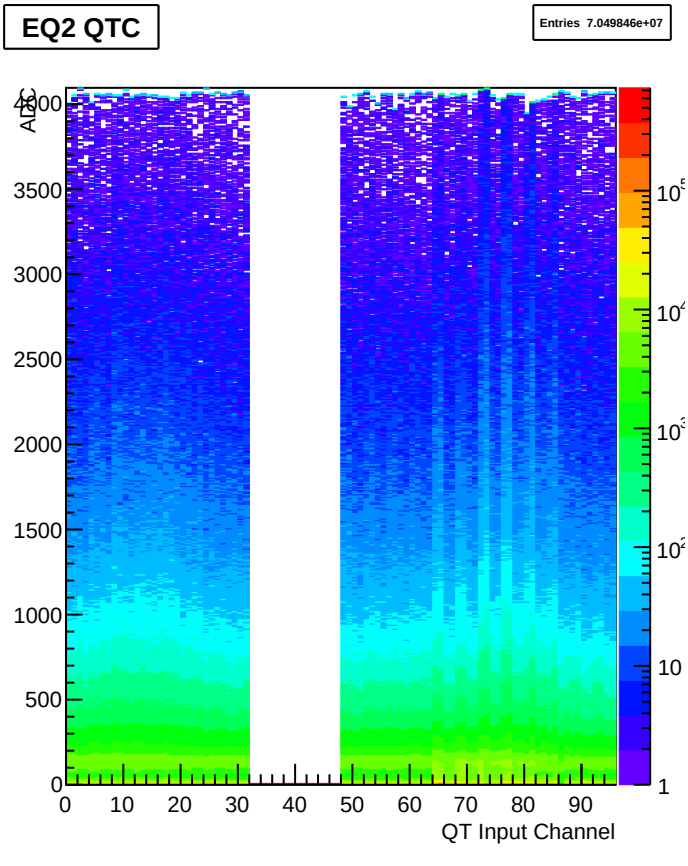

EQ1 QTB
Entries 7.404542e+07
TDC
QT Input Channel

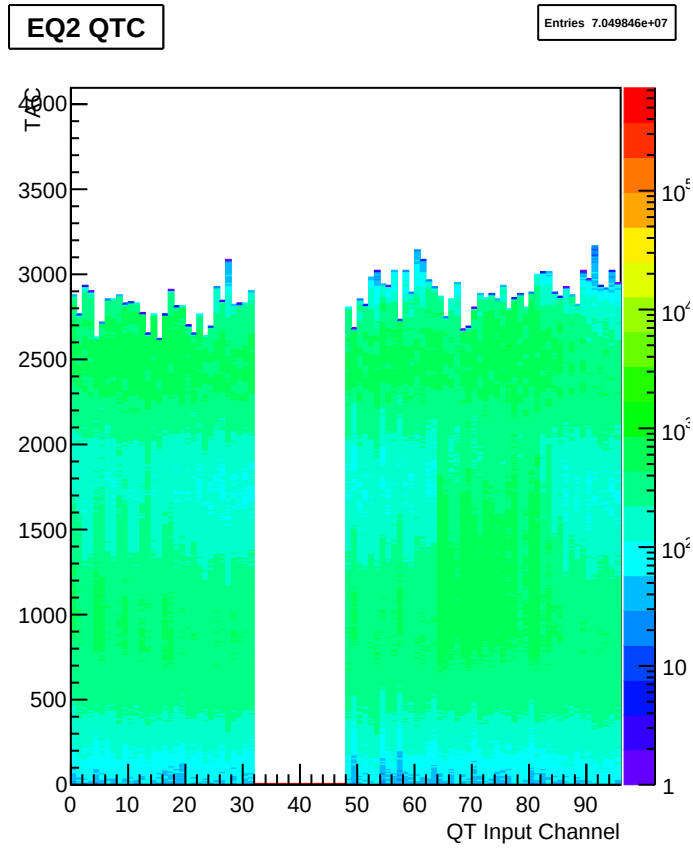

EQ1 QTC
Entries 7.049846e+07
ADC
QT Input Channel

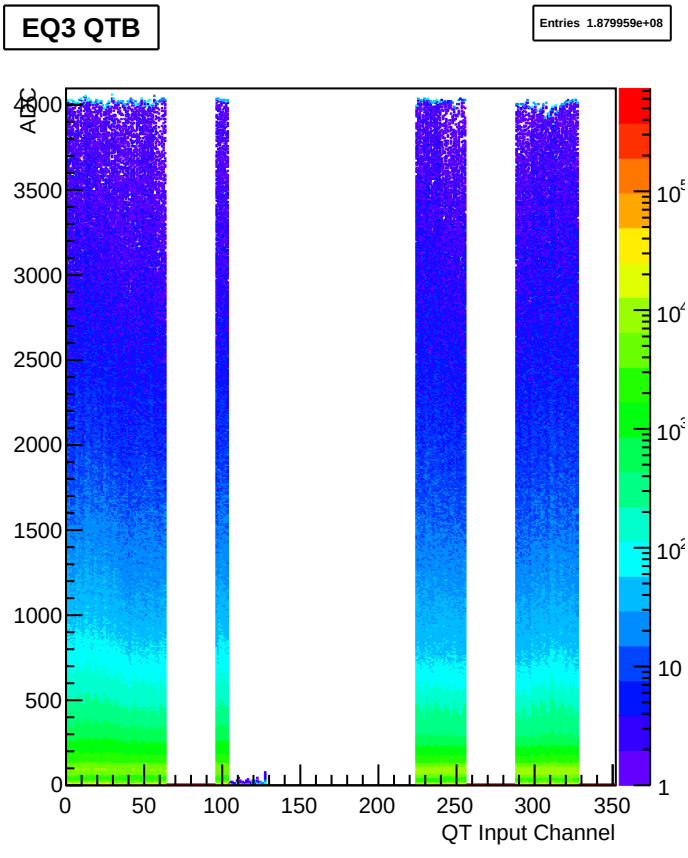

EQ1 QTC
Entries 7.049846e+07
TADC
QT Input Channel

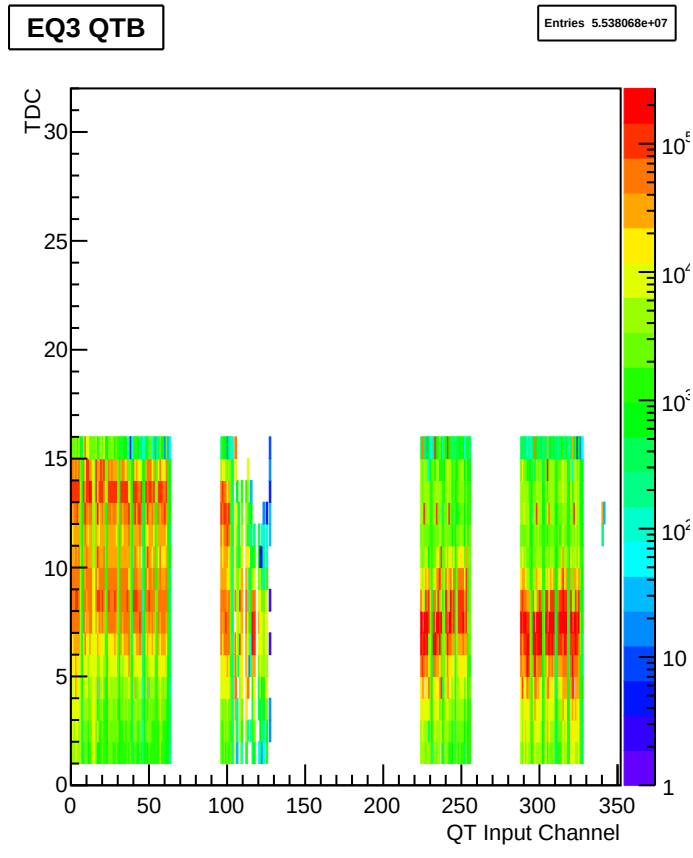

EQ2 QTB
Entries 2.114954e+08
ADC
QT Input Channel


EQ2 QTB
Entries 6.114044e+07
TDC
QT Input Channel


EQ2 QTC
Entries 7.049846e+07
ADC
QT Input Channel


EQ2 QTC
Entries 7.049846e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.879959e+08
ADC
QT Input Channel


EQ3 QTB
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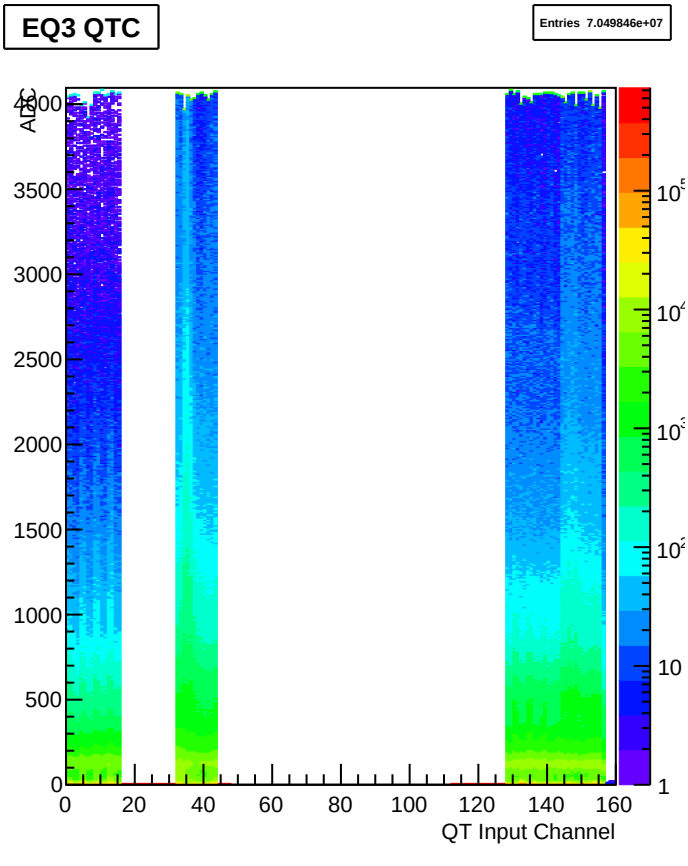
QT Input Channel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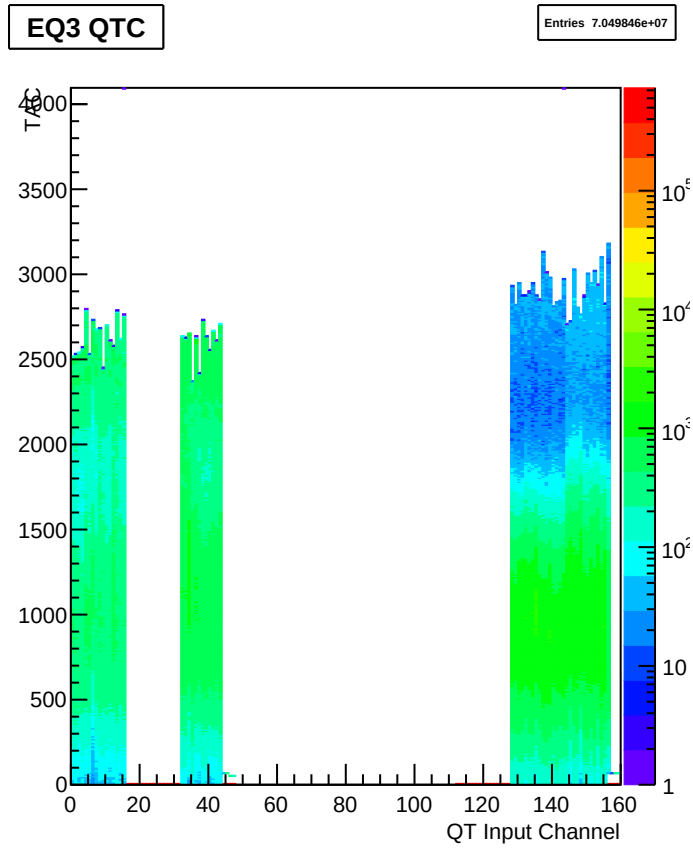
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Entries 7.049846e+07
TADC
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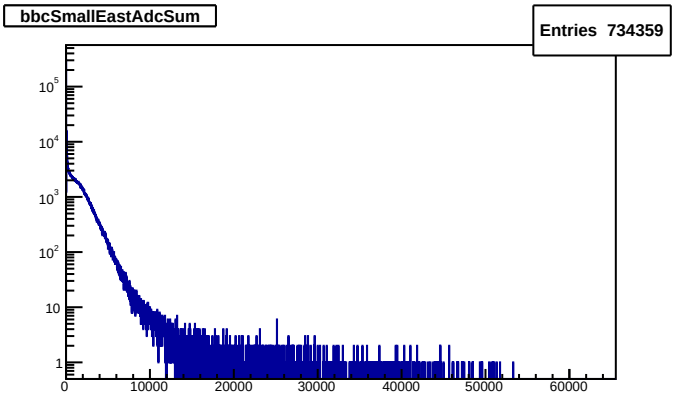
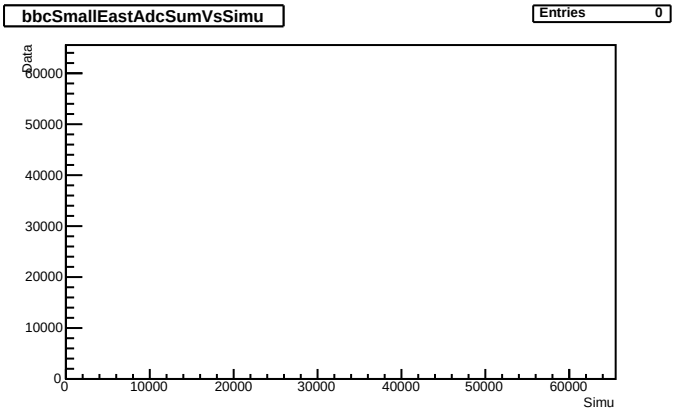
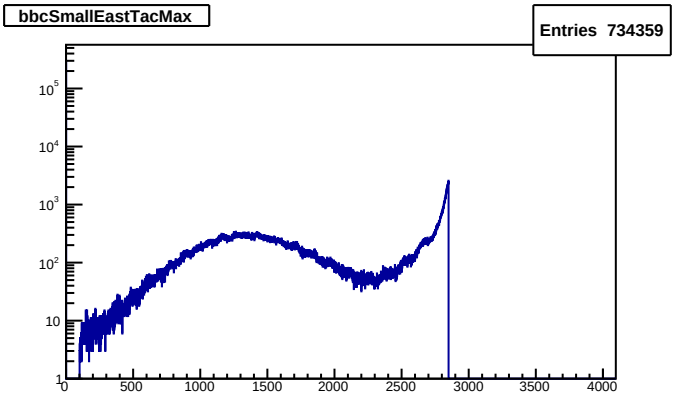

bbcSmallEastAdcSum
Entries 734359


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu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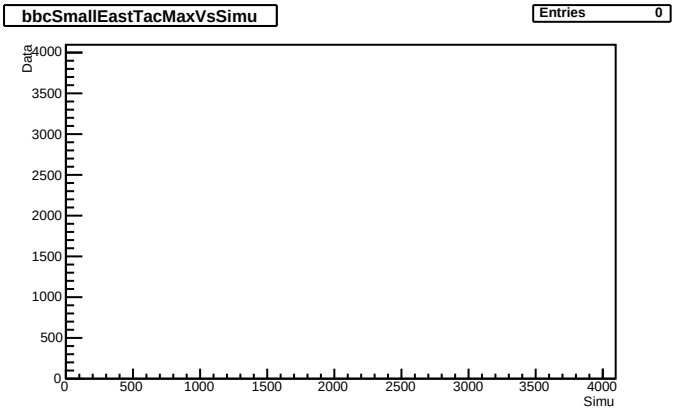
Entries 734359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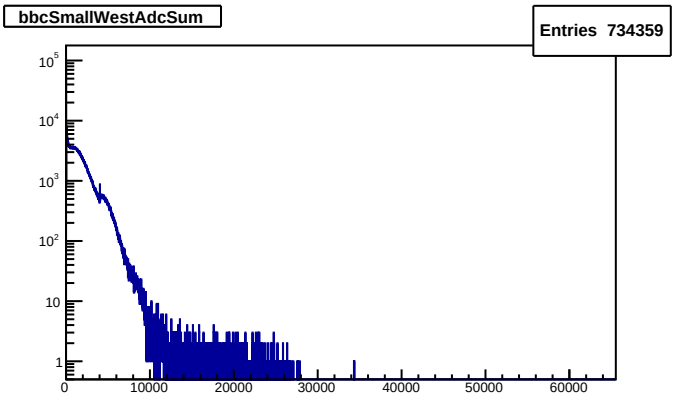
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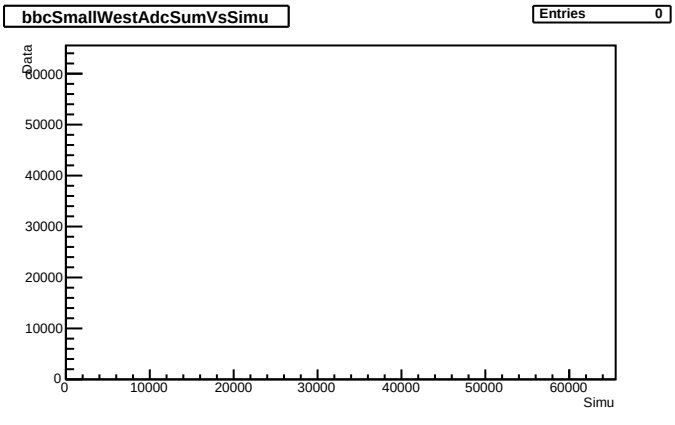
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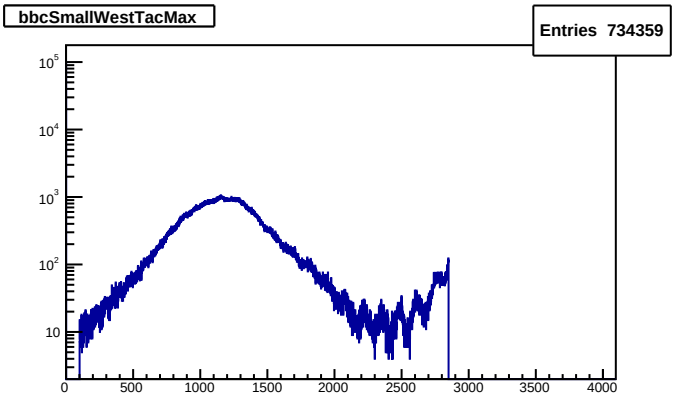
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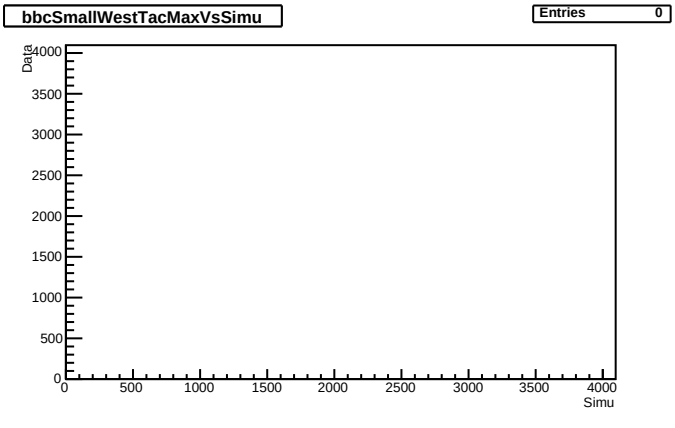
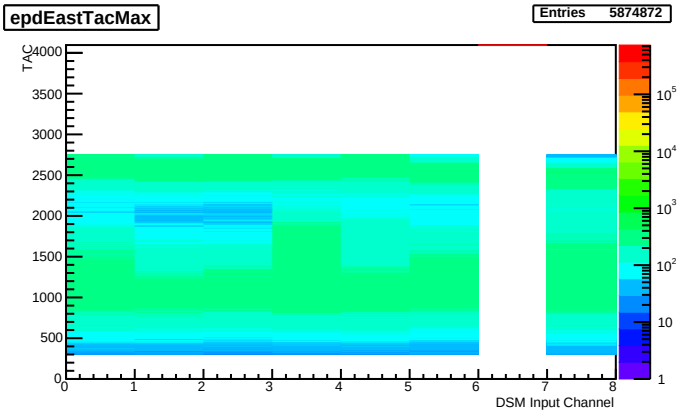
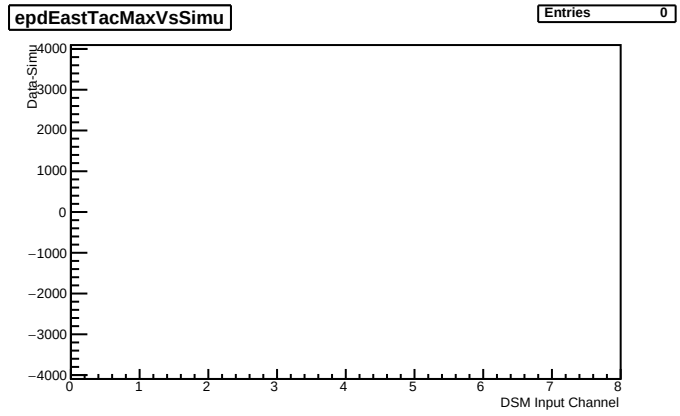
Entries 734359


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 5874872
TAC
DSM Input Channel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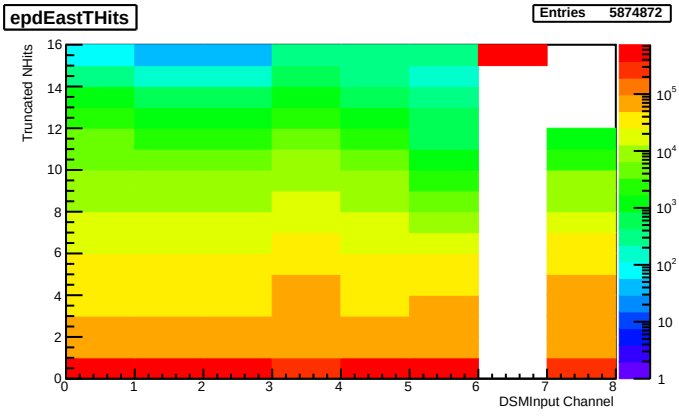
Entries 0
Data-Simu
DSM Input Channel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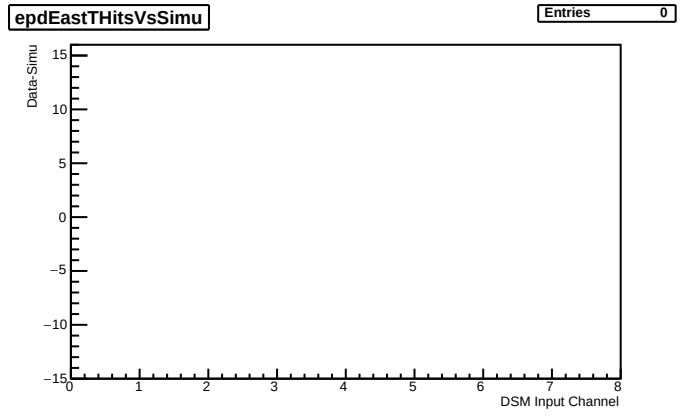
Entries 5874872
Truncated NHits
DSMInput Channel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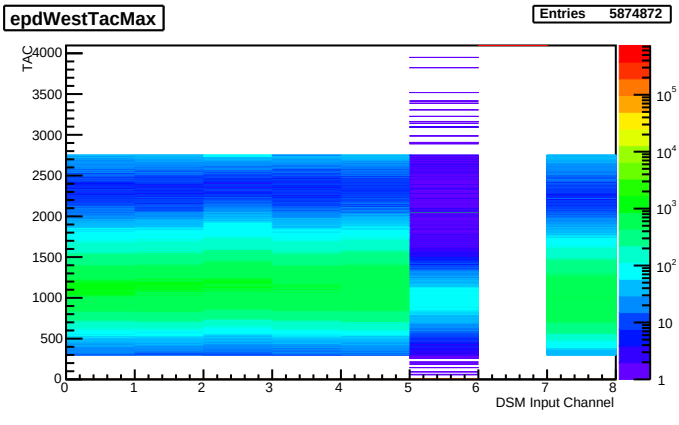
DSM Input Channel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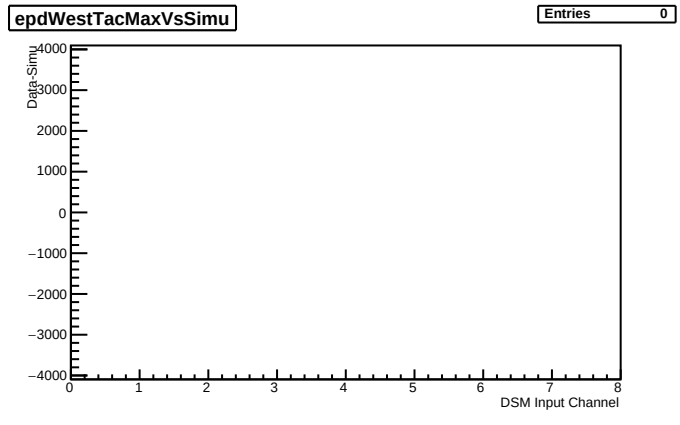
Entries 5874872
TAC
DSM Input Channel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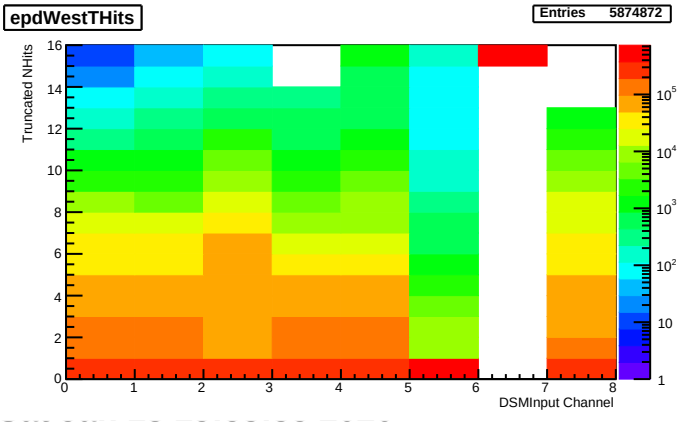
DSM Input Channel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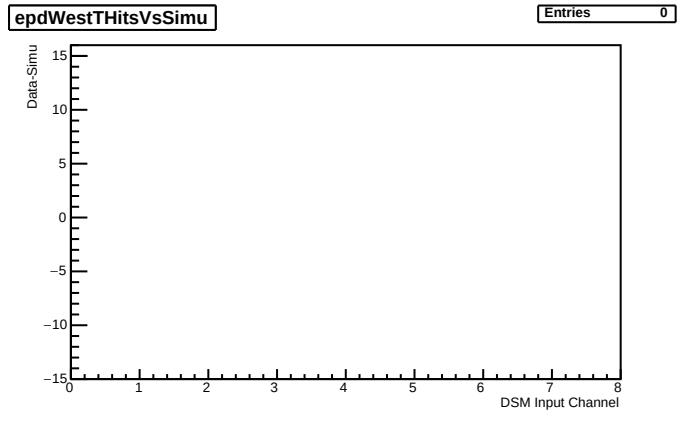
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Entries 0
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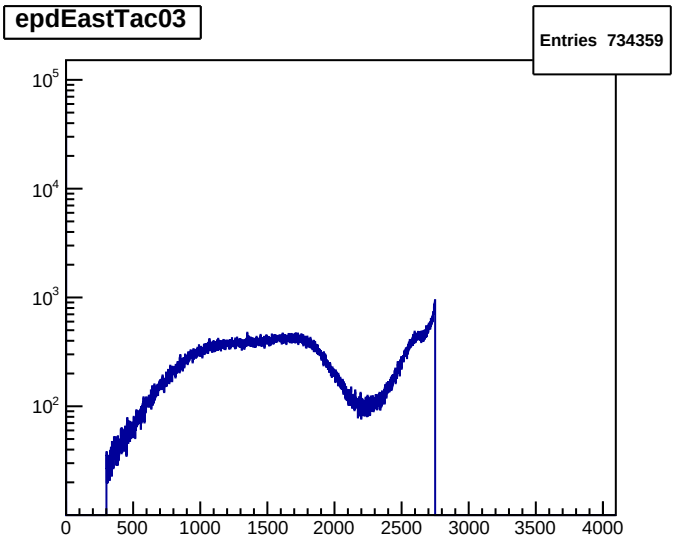
DSM Input Channel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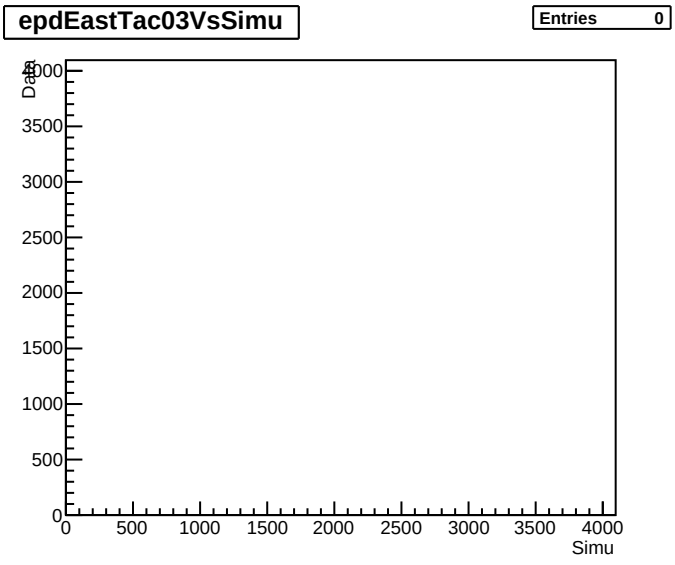
Entries 734359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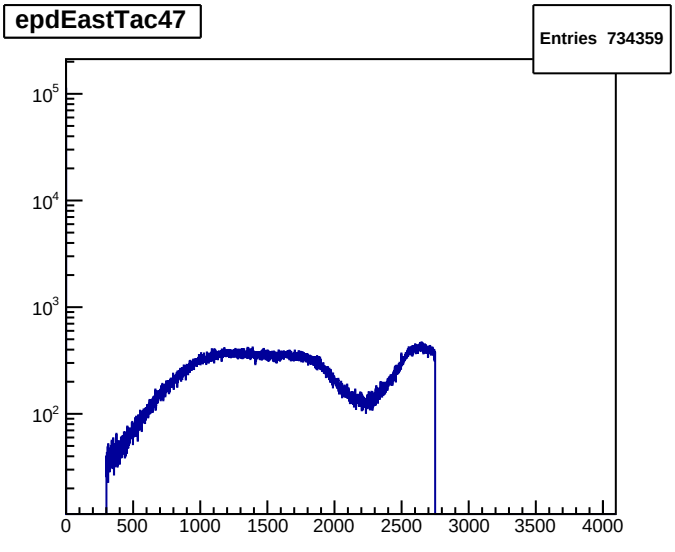
Entries 0
Data
Simu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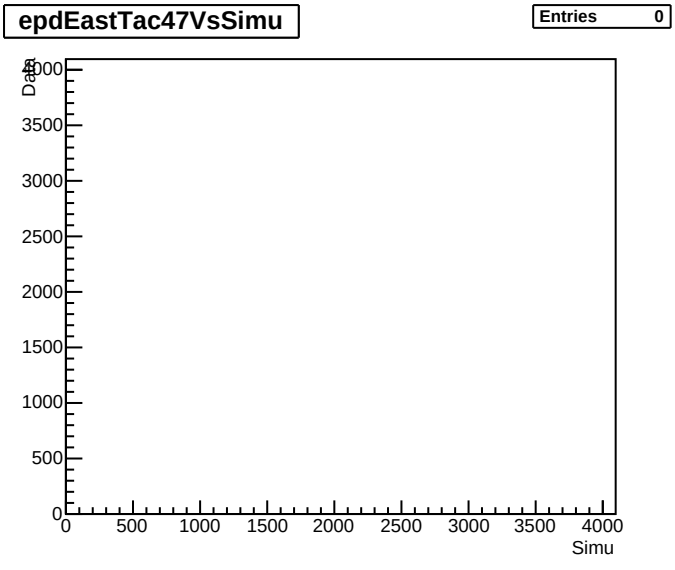
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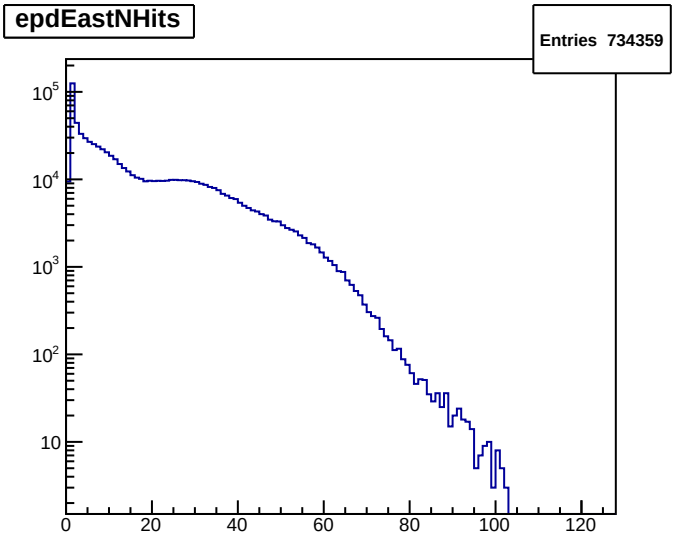
Entries 0
Data
Simu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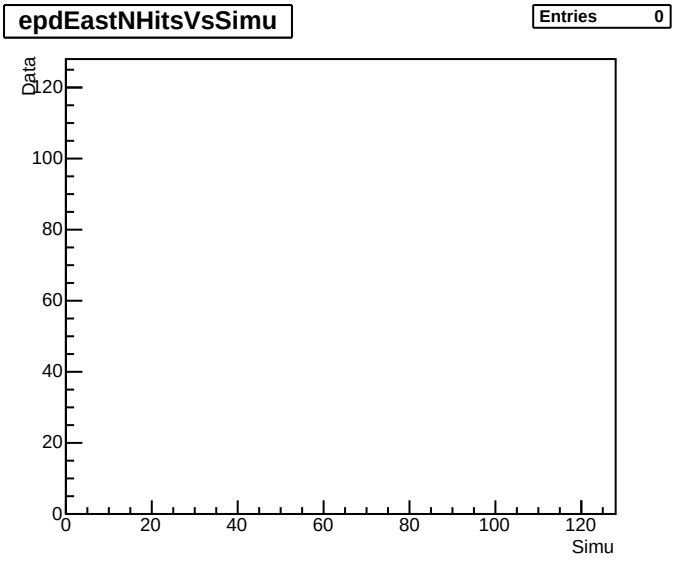
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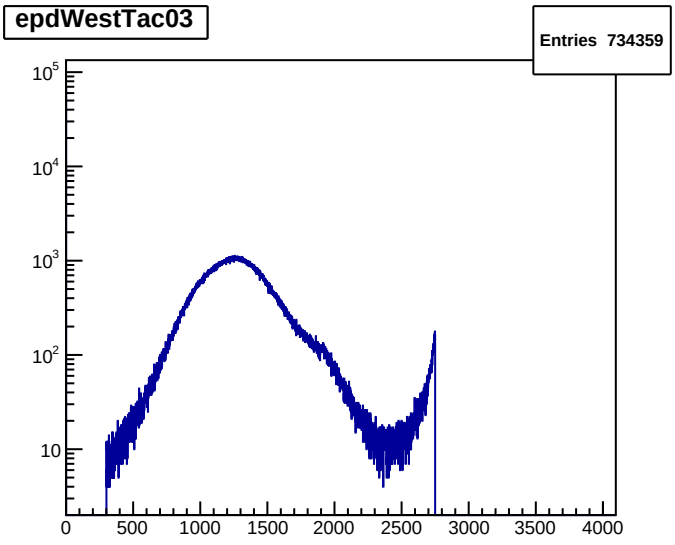
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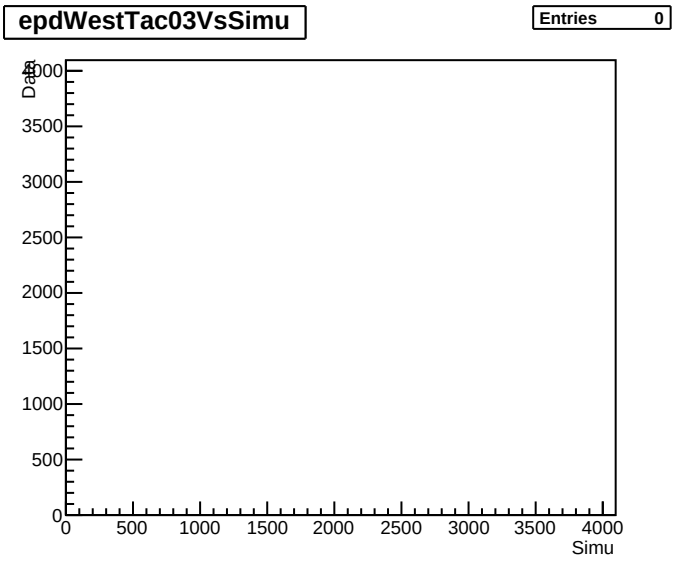
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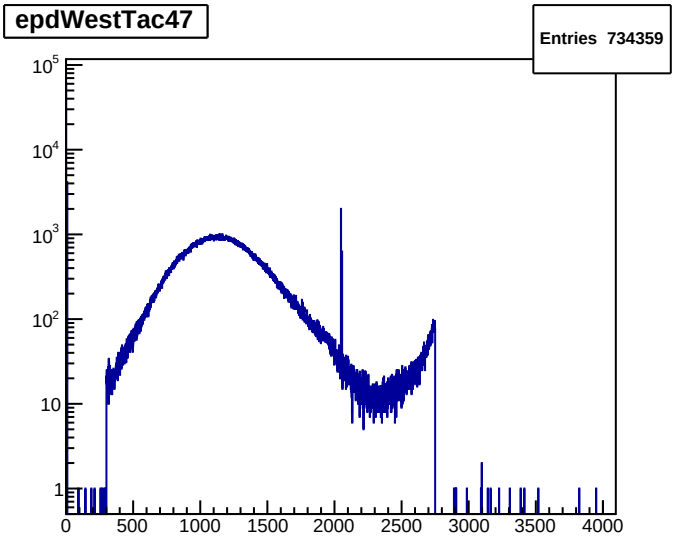
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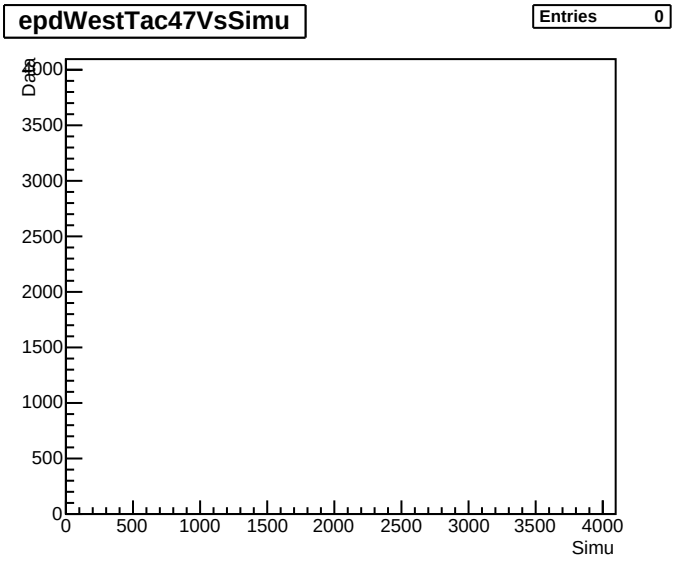
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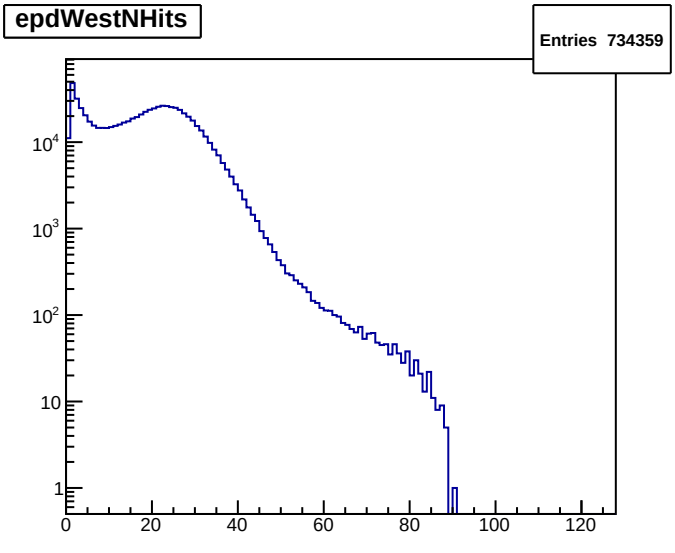
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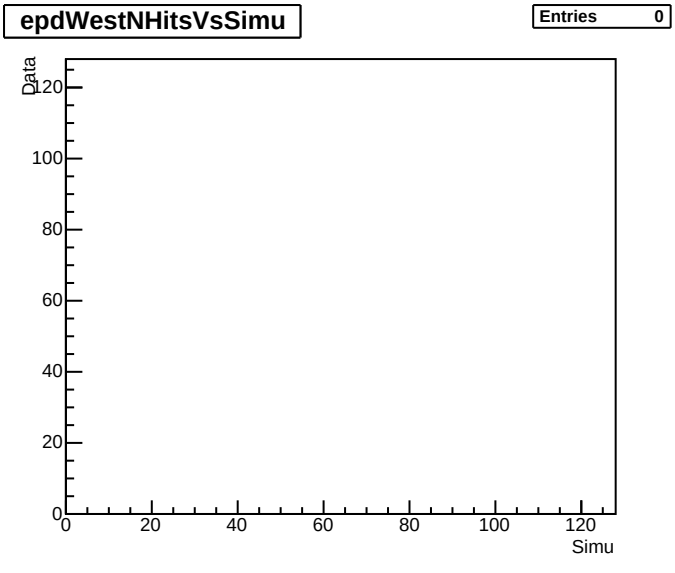
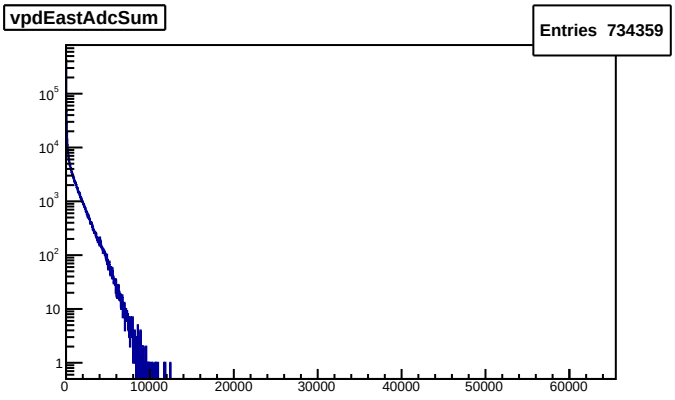
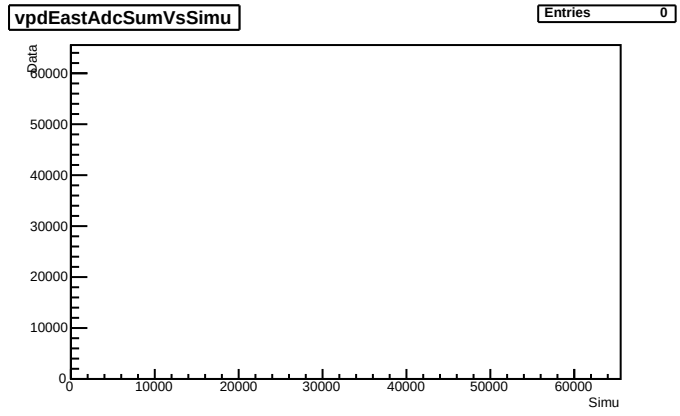
Entries 734359


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 734359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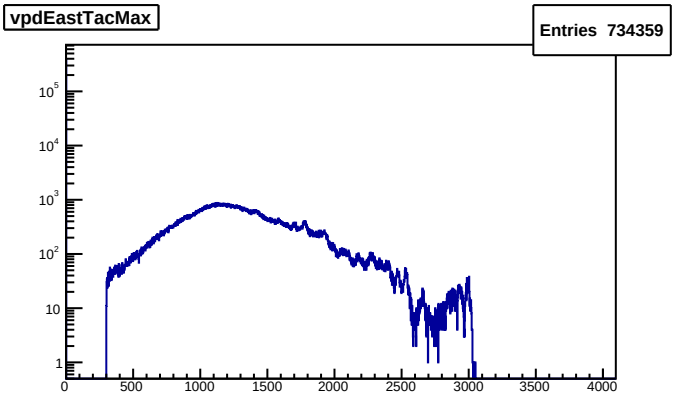
Simu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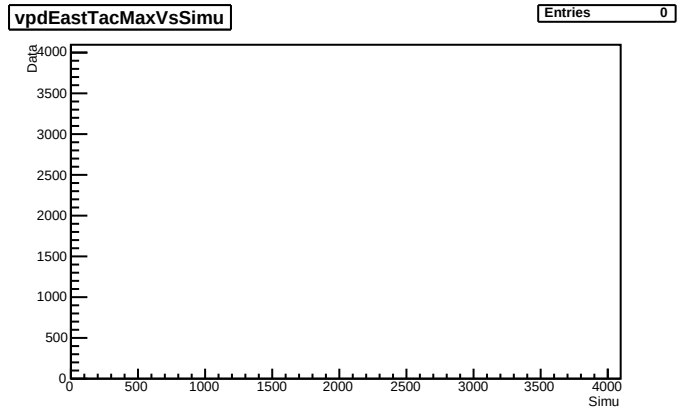
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Entries 0
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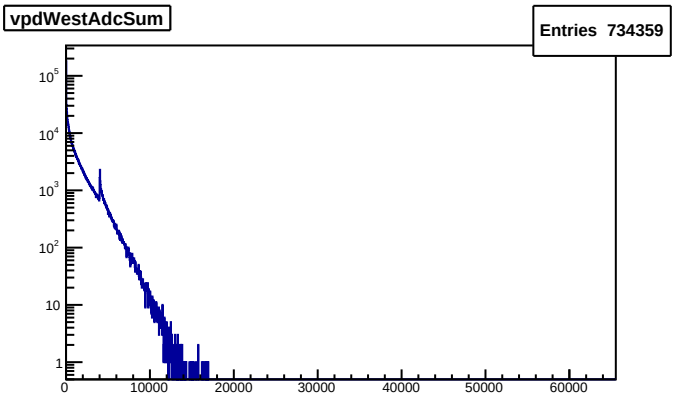
Simu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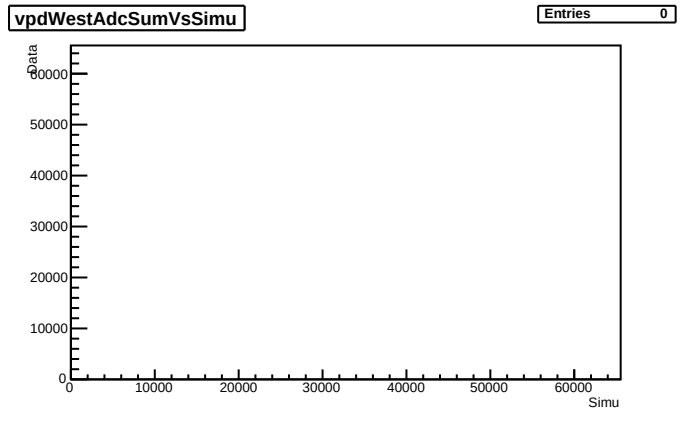
Entries 734359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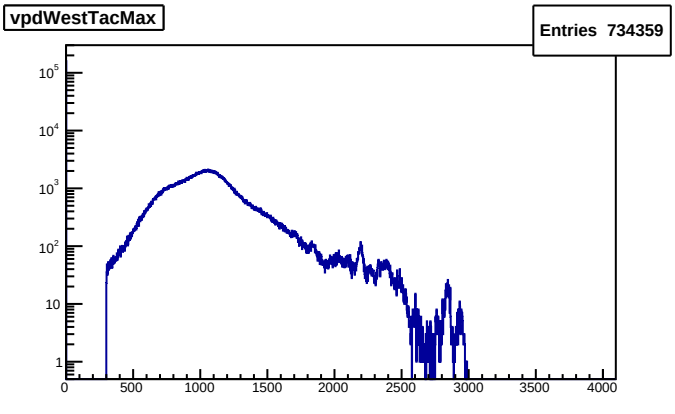
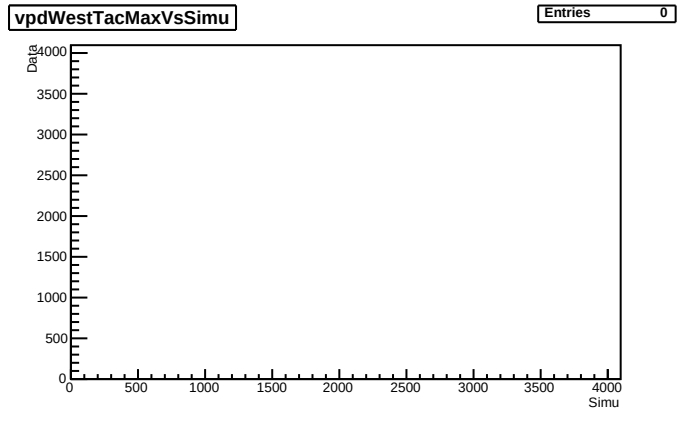
Entries 0
Data
Simu


vpdWestTacMax
Entries 734359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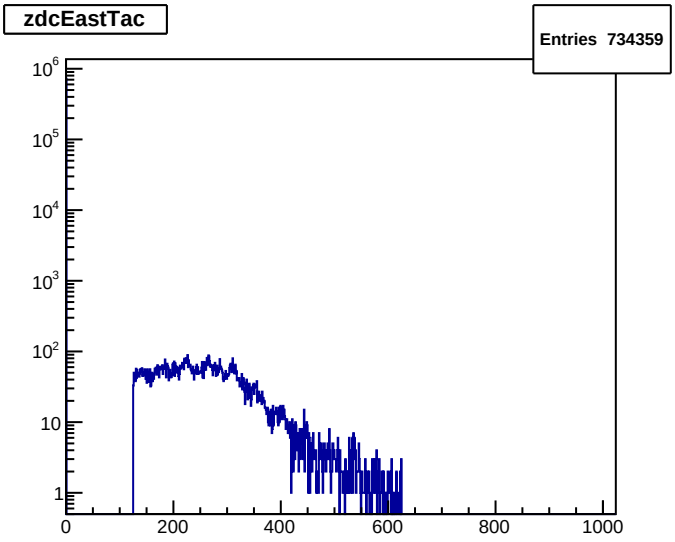
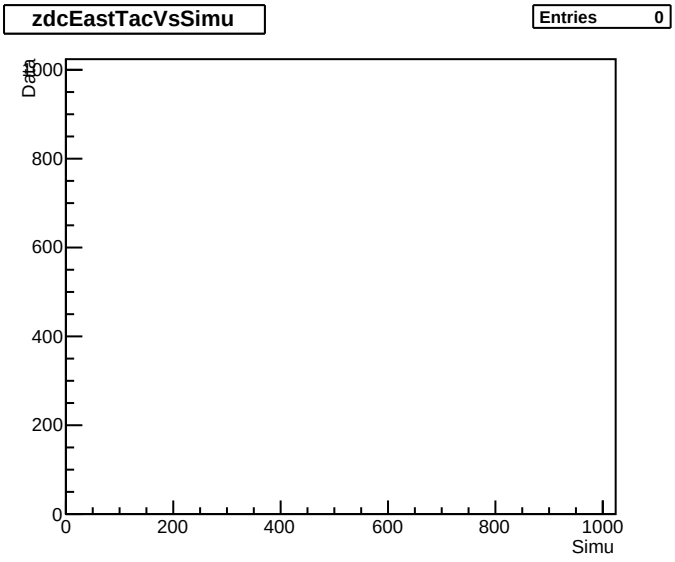
Entries 0
Data
Simu


zdcEastTac
Entries 734359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Entries 0
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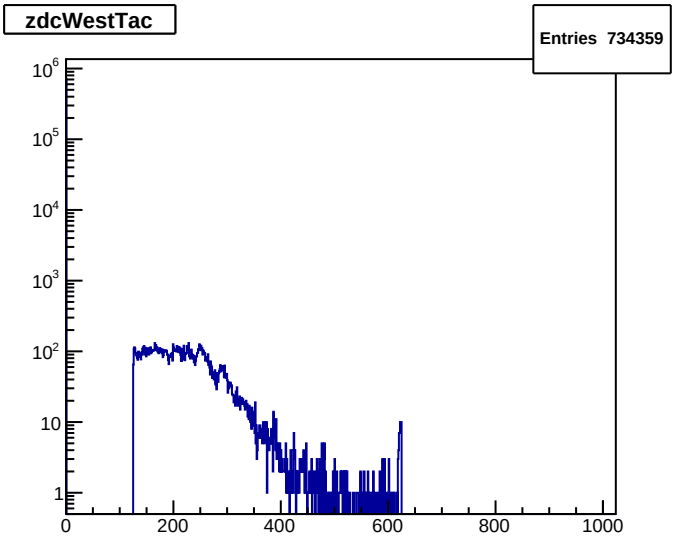
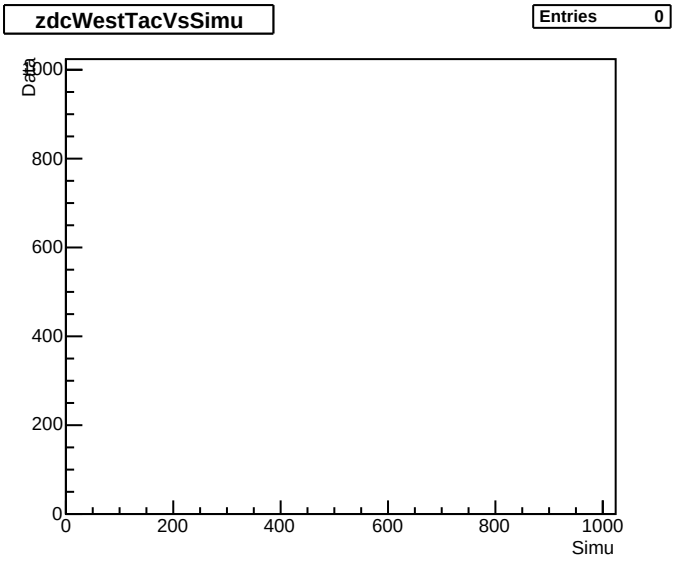
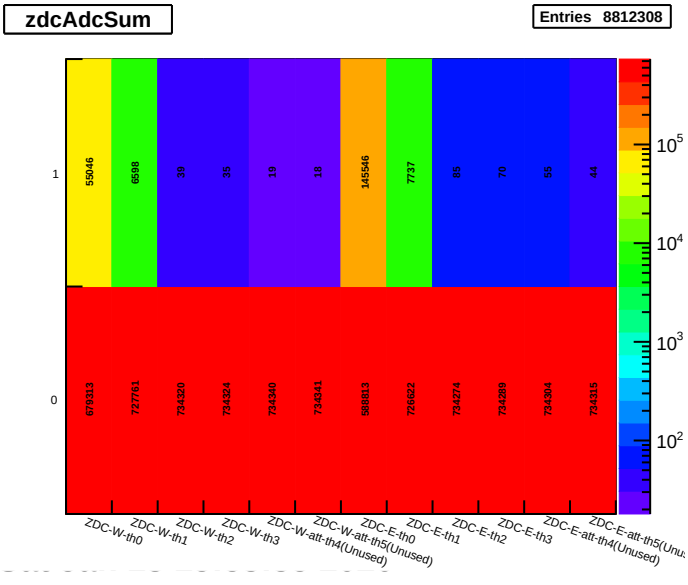
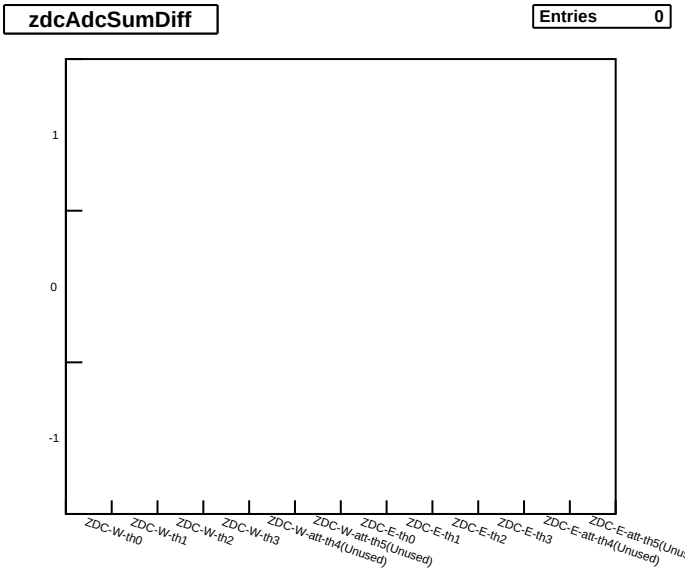

zdcWestTac
Entries 734359


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 8812308
55046
6598
39
35
19
18
145546
7737
85
70
55
44
679313
727761
734320
734324
734340
734341
588813
726622
734274
734289
734304
734315
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
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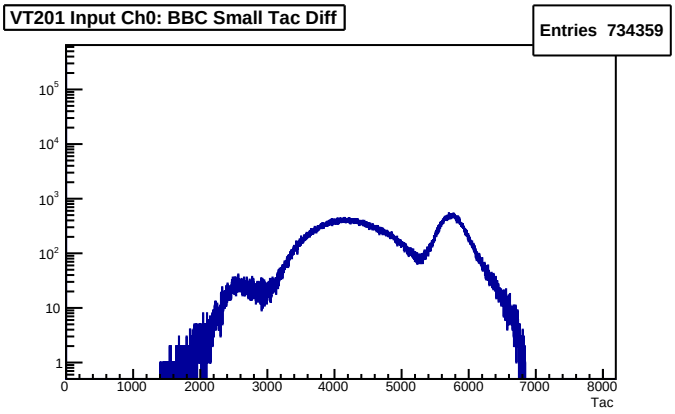
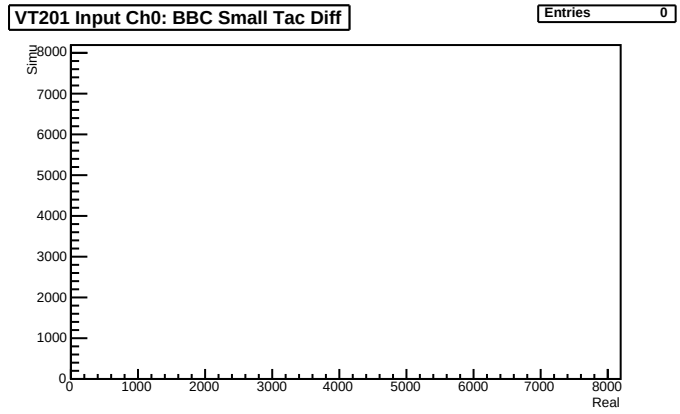
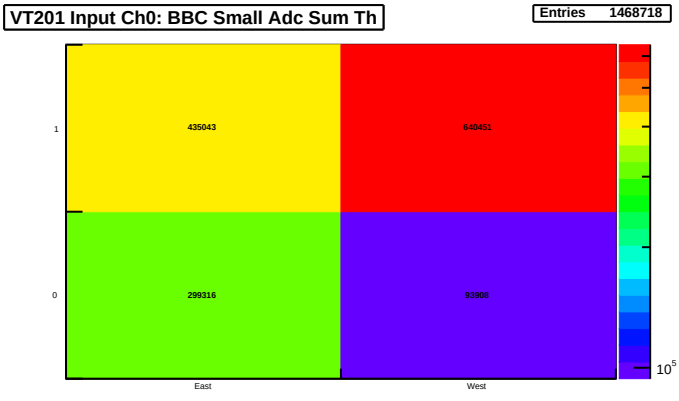
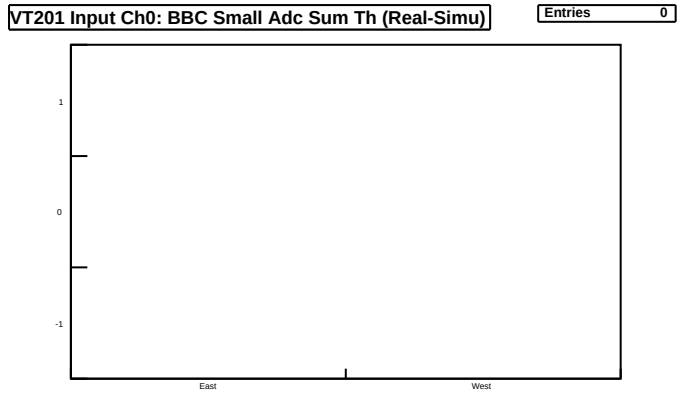
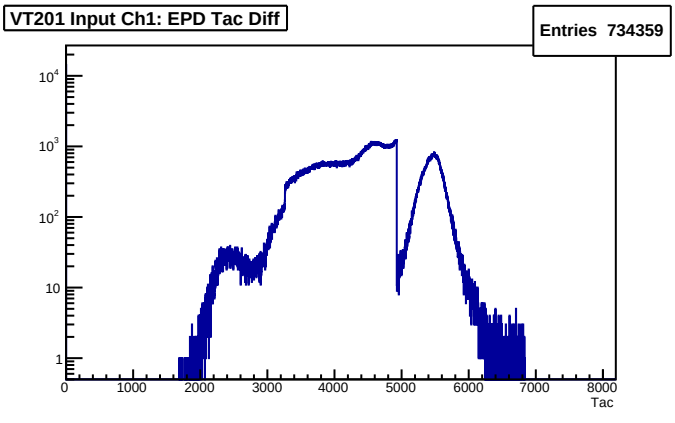
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

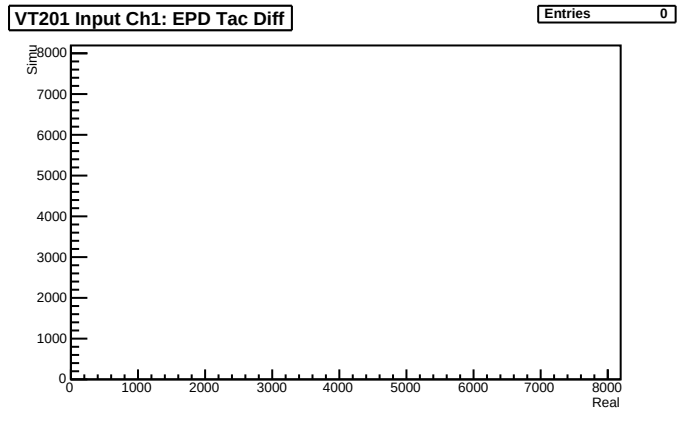

VT201 Input Ch0: BBC Small Tac Diff
Entries 734359
Tac

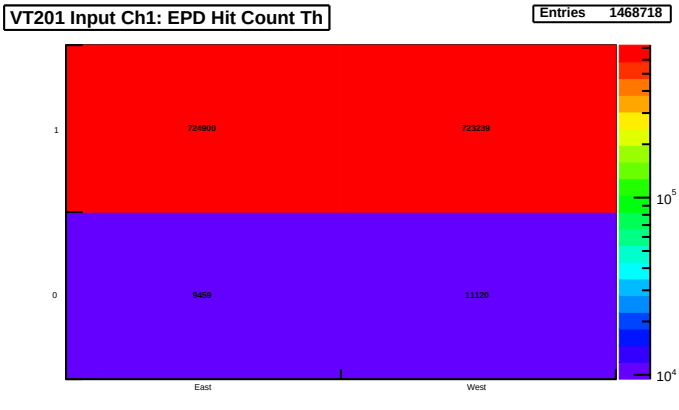

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

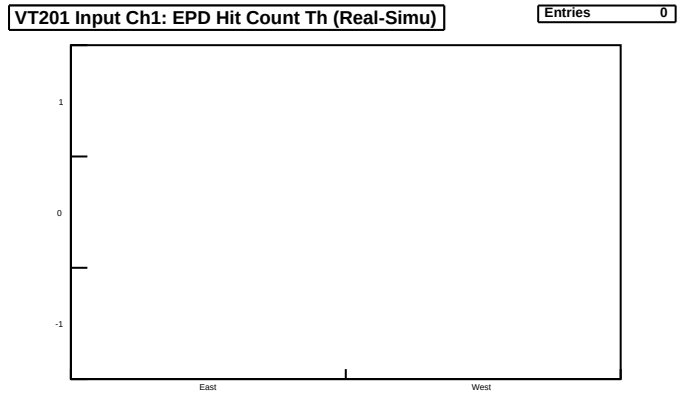

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1468718
435043
640451
299316
93908
East
West

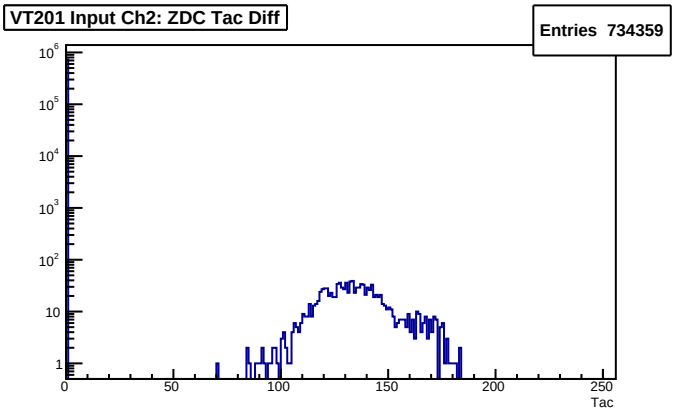

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

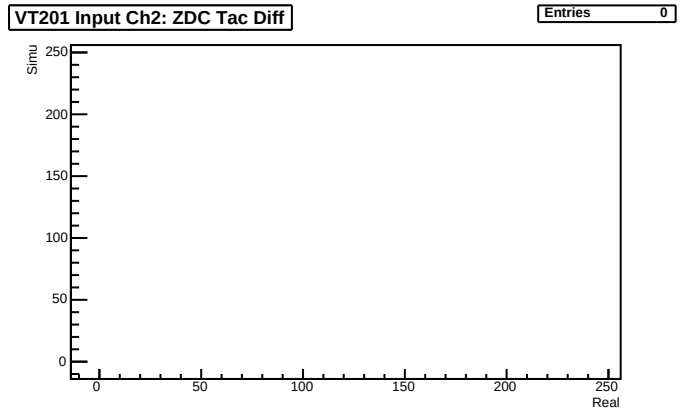

VT201 Input Ch1: EPD Tac Diff
Entries 734359
Tac

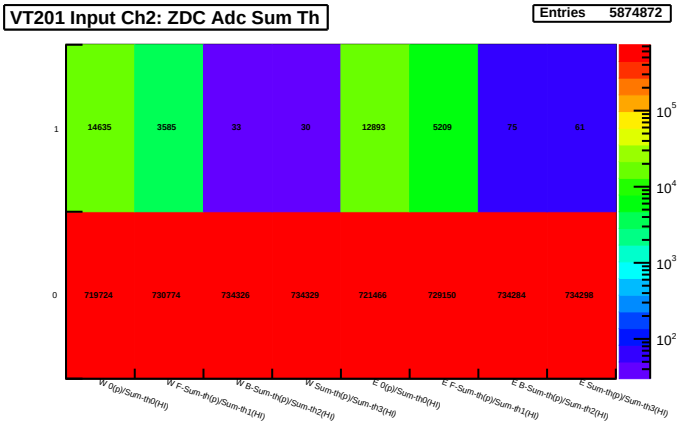

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

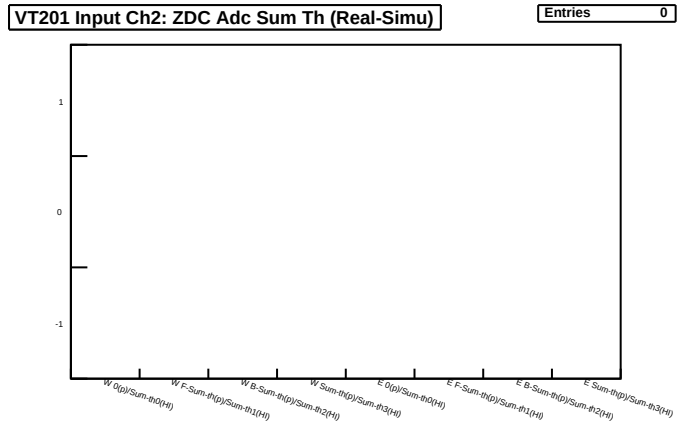

VT201 Input Ch1: EPD Hit Count Th
Entries 1468718
724900
723239
9459
11120
East
West

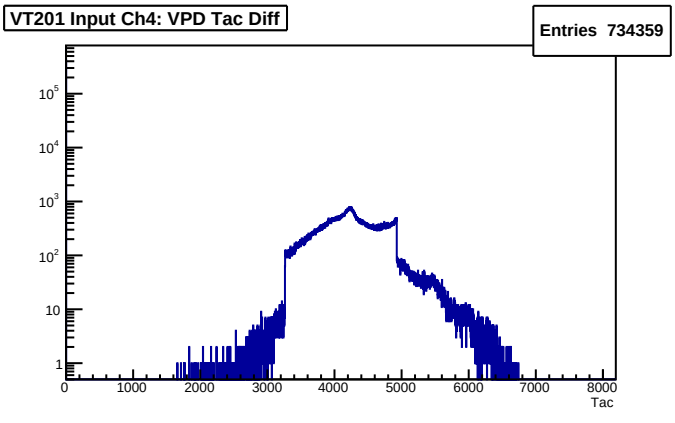

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

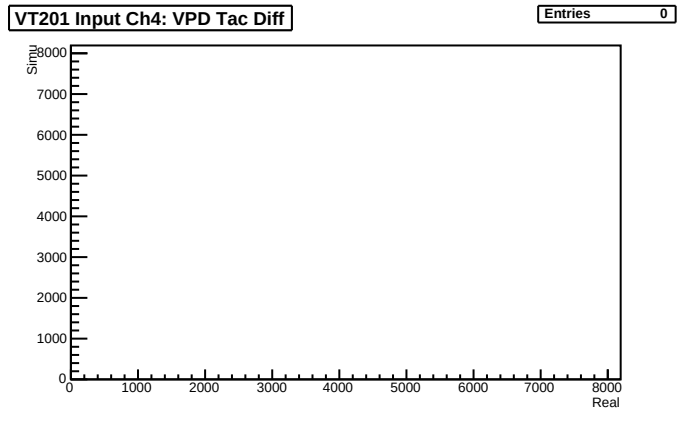

VT201 Input Ch2: ZDC Tac Diff
Entries 734359
Tac

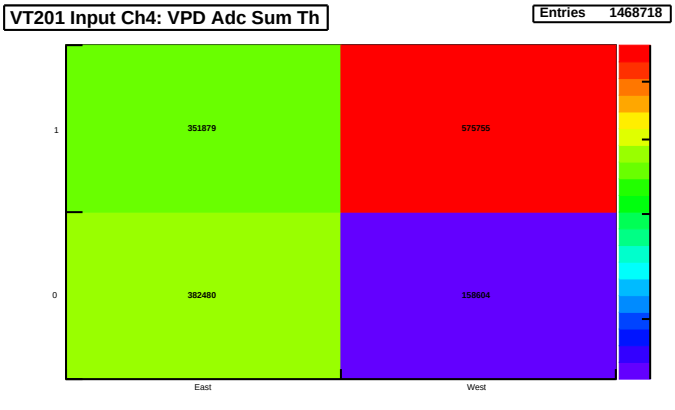

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

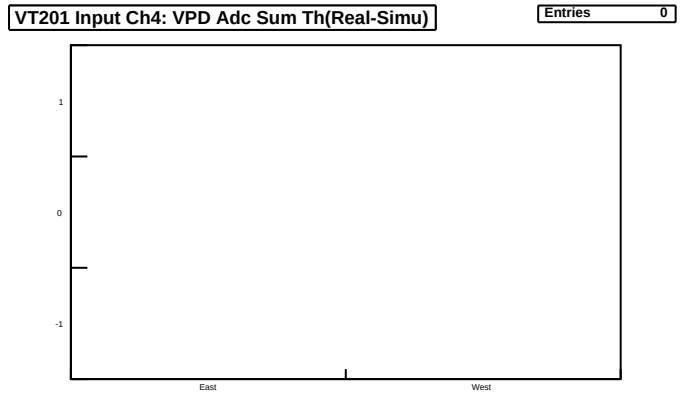

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5874872
14635
3585
33
30
12893
5209
75
61
719724
730774
734326
734329
721466
729150
734284
734298
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

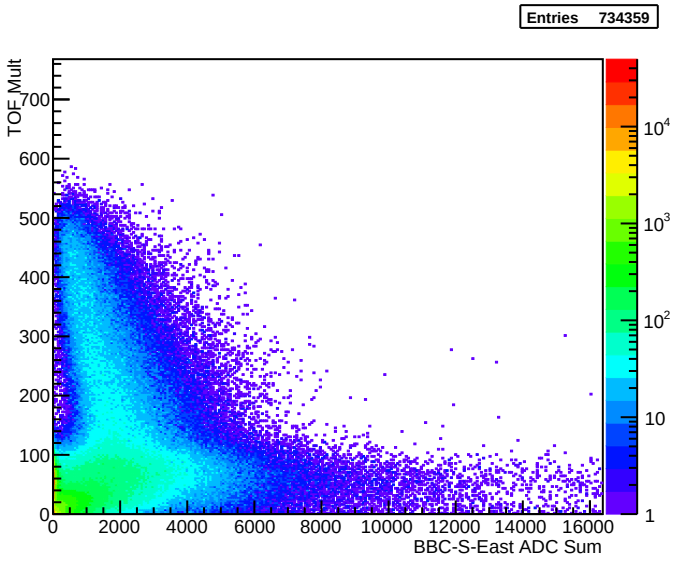

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

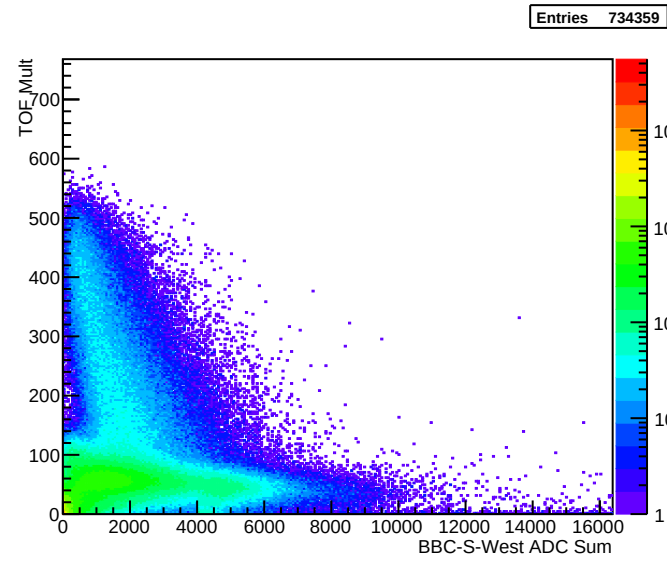

VT201 Input Ch4: VPD Tac Diff
Entries 734359
Tac

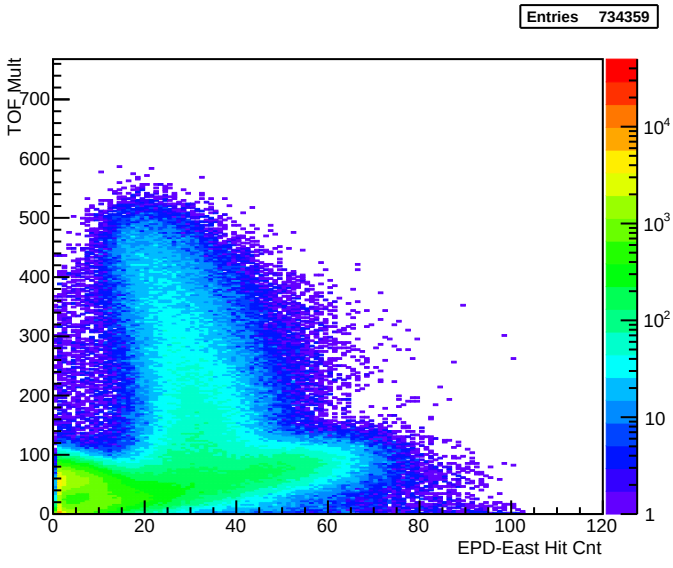

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

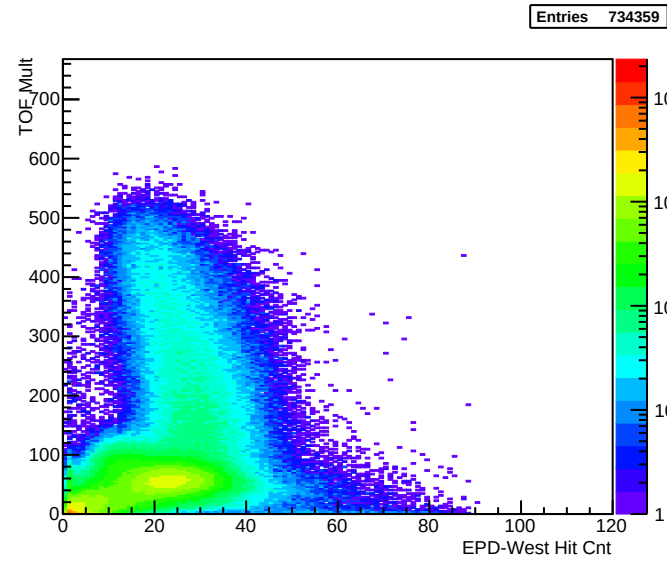

VT201 Input Ch4: VPD Adc Sum Th
Entries 1468718
351879
575755
382480
159604
East
West

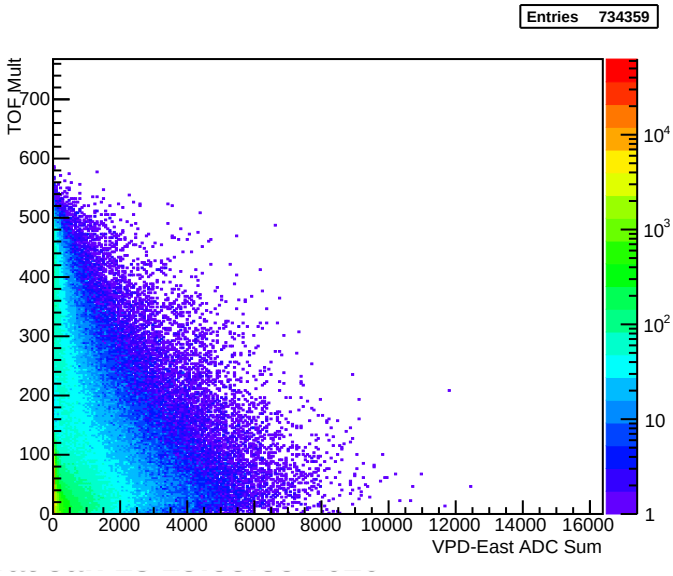

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

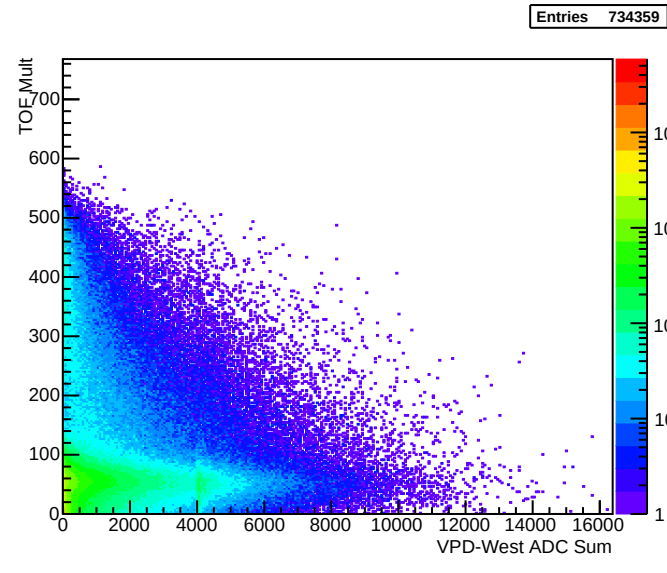

Entries 734359
TOF_Mult
BBC-S-East ADC Sum

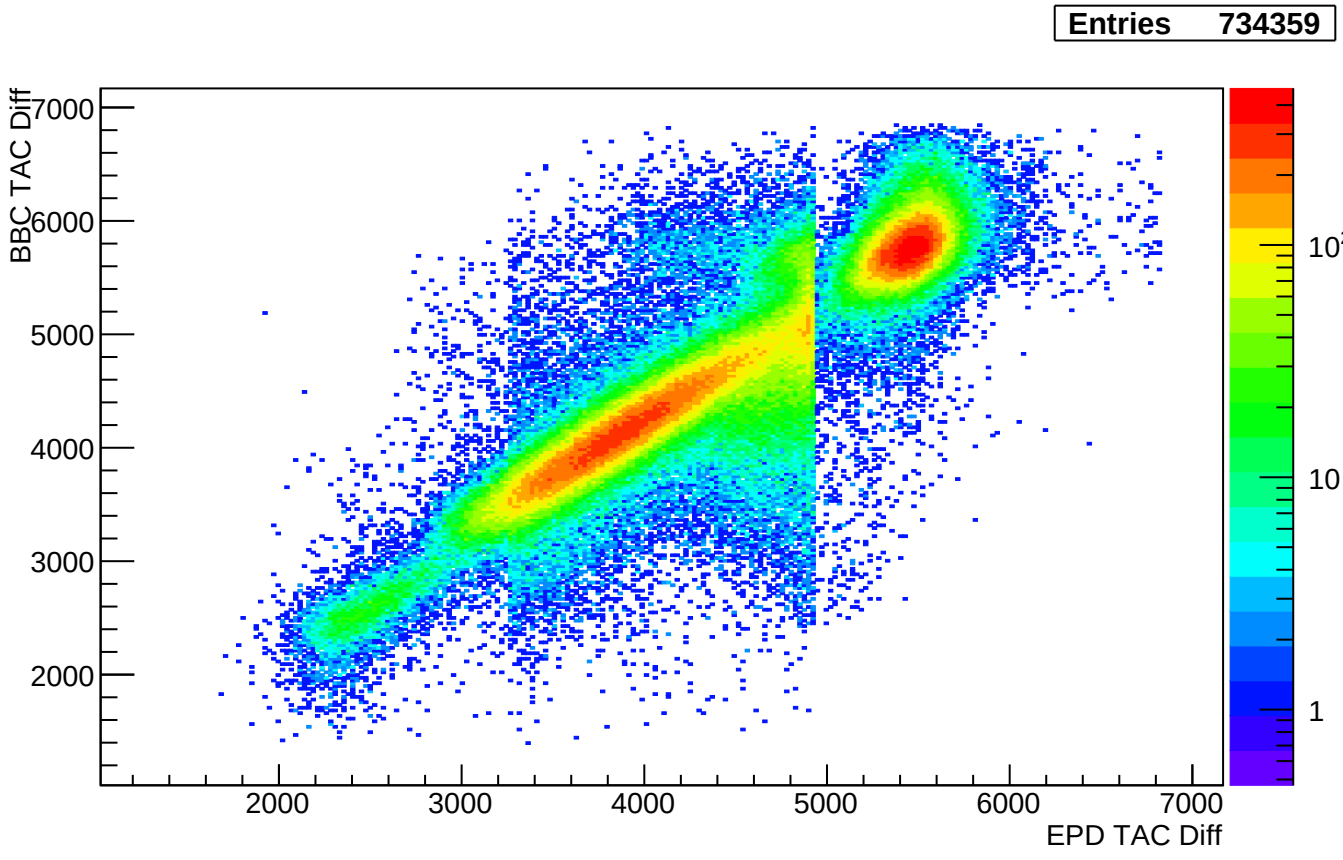

Entries 734359
TOF_Mult
BBC-S-West ADC Sum

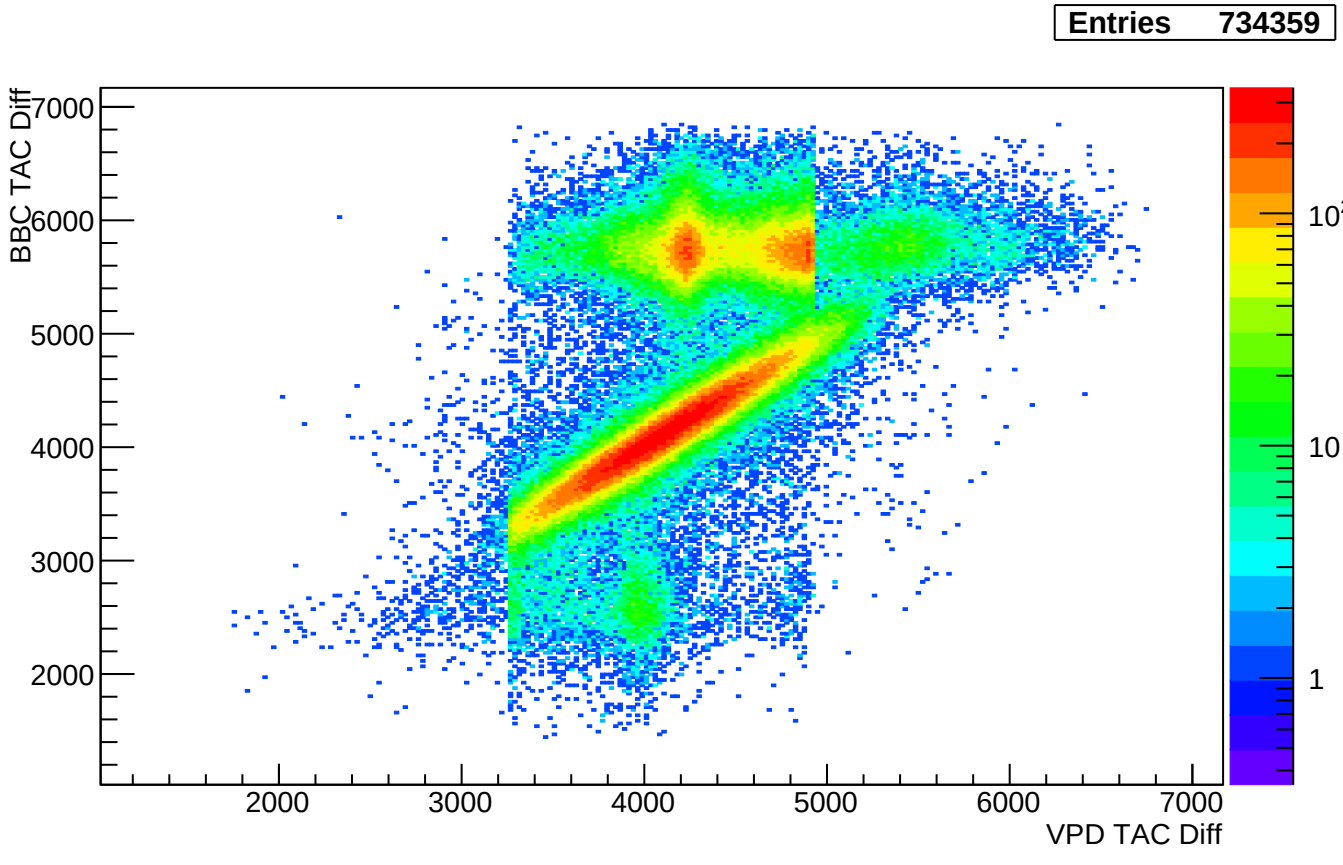

Entries 734359
TOF_Mult
EPD-East Hit Cnt

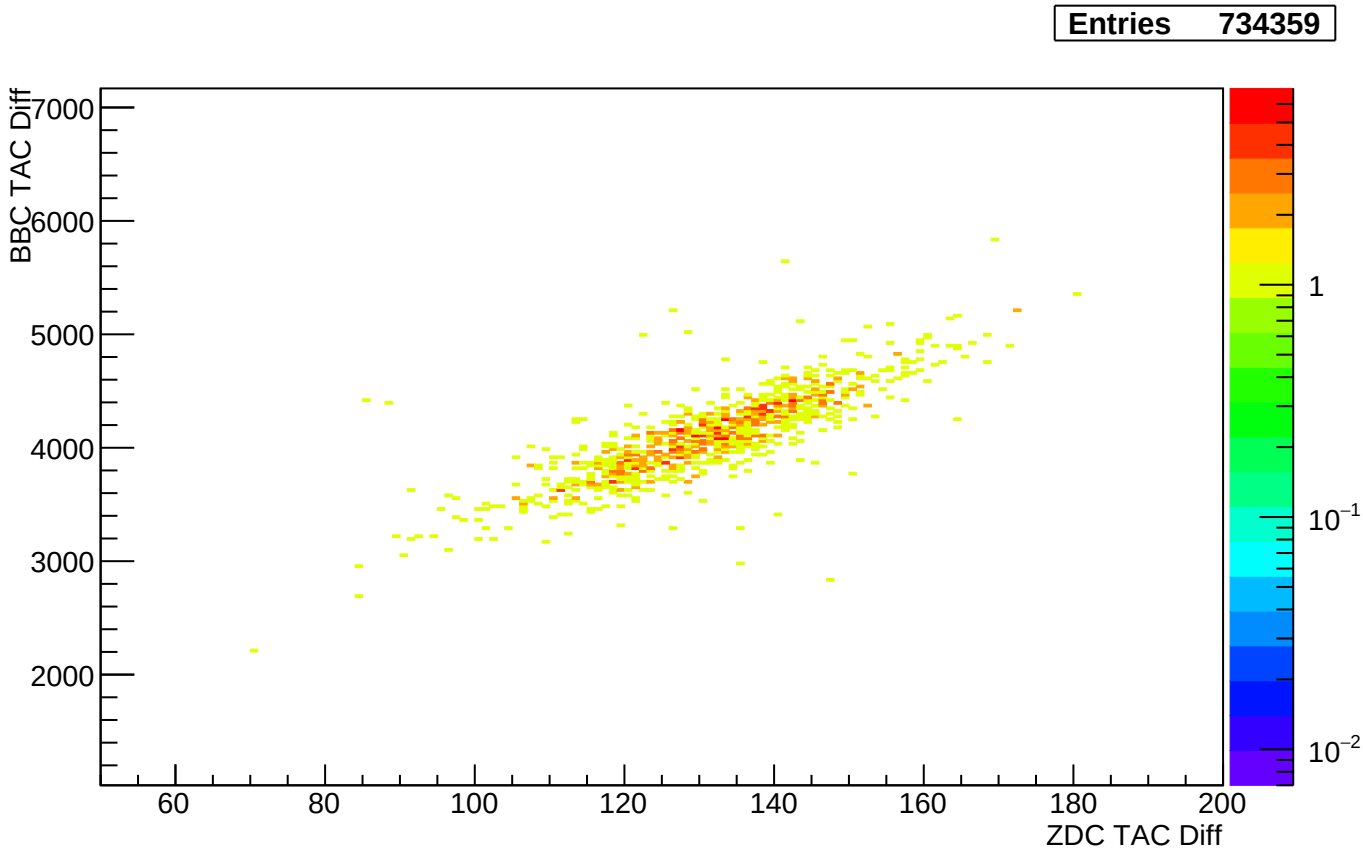

Entries 734359
TOF_Mult
EPD-West Hit Cnt

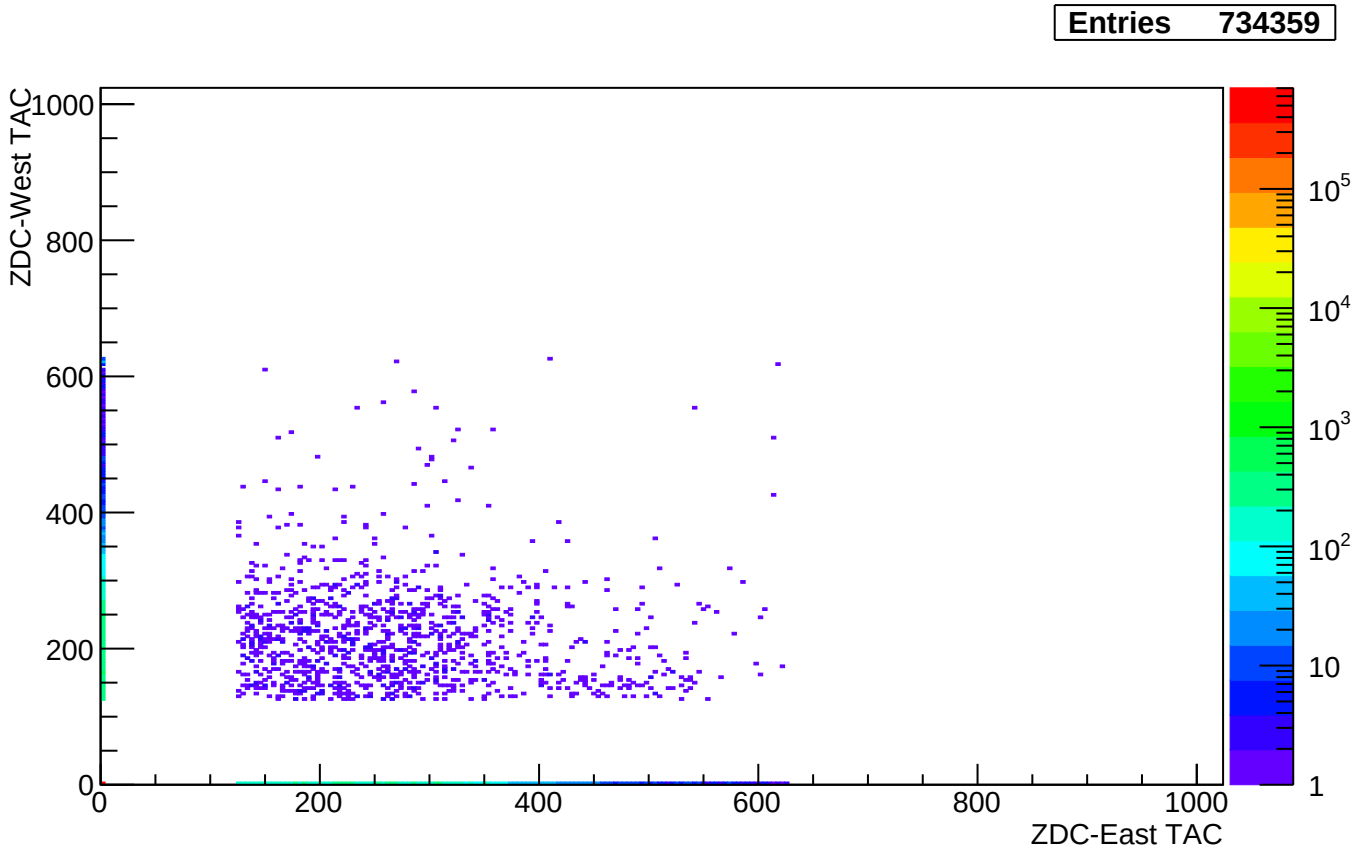

Entries 734359
TOF_Mult
VPD-East ADC Sum

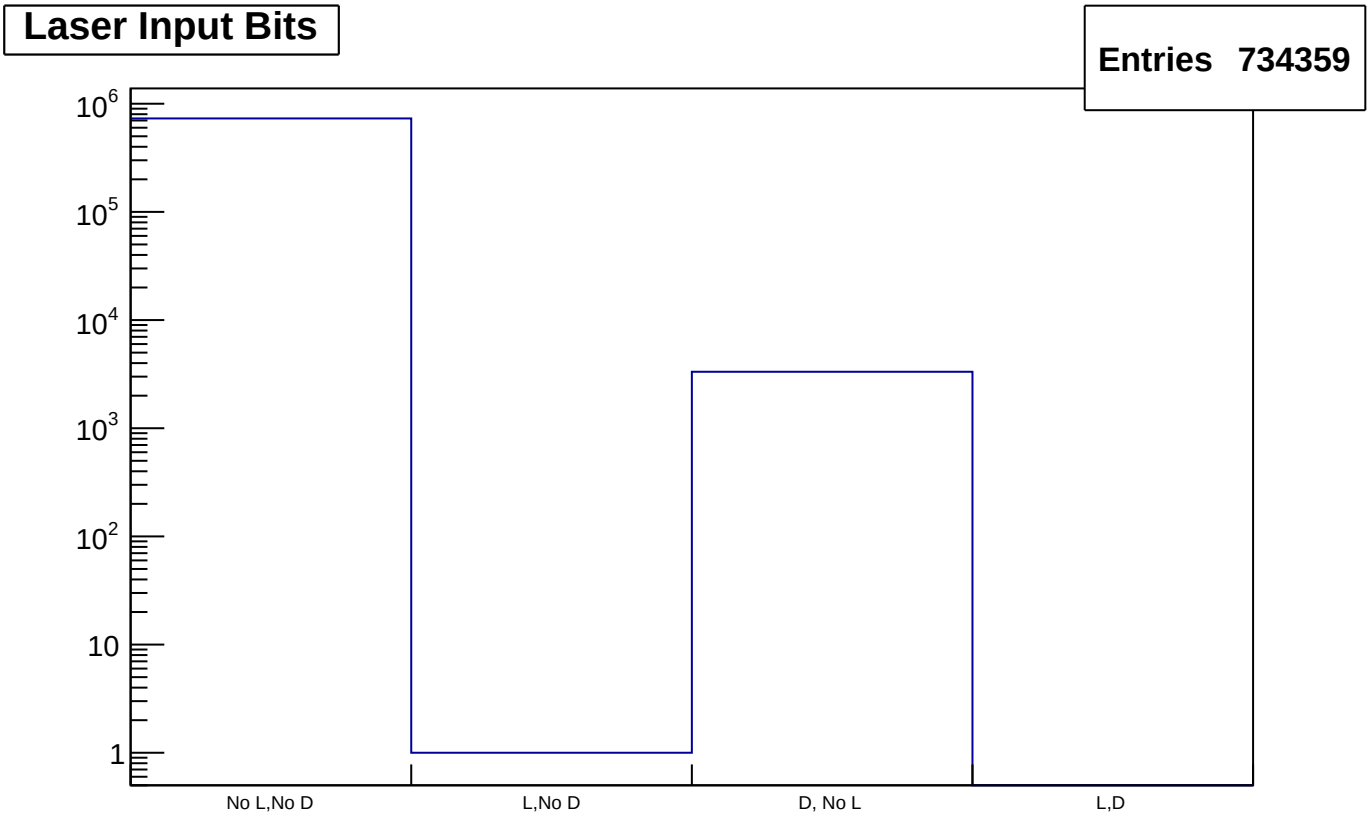

Entries 734359
TOF_Mult
VPD-West ADC Sum

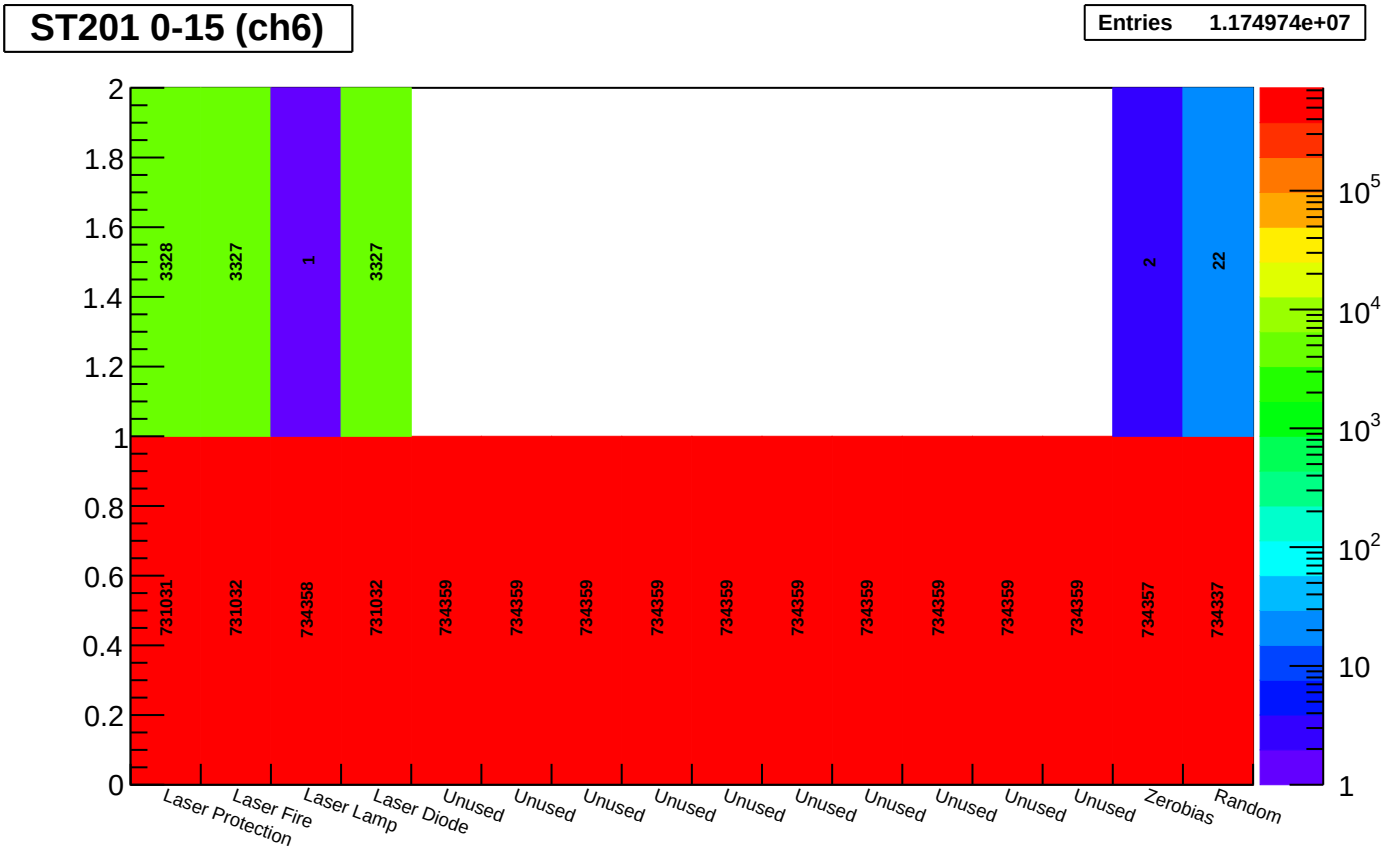

Entries 734359
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

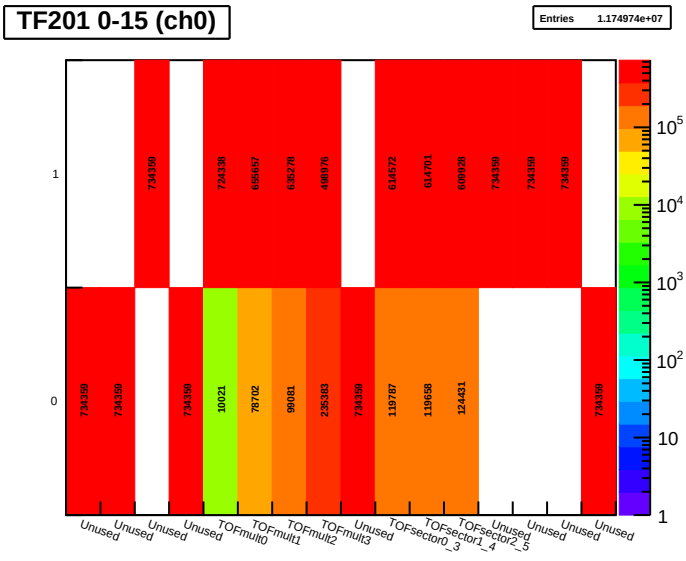

Entries 734359
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

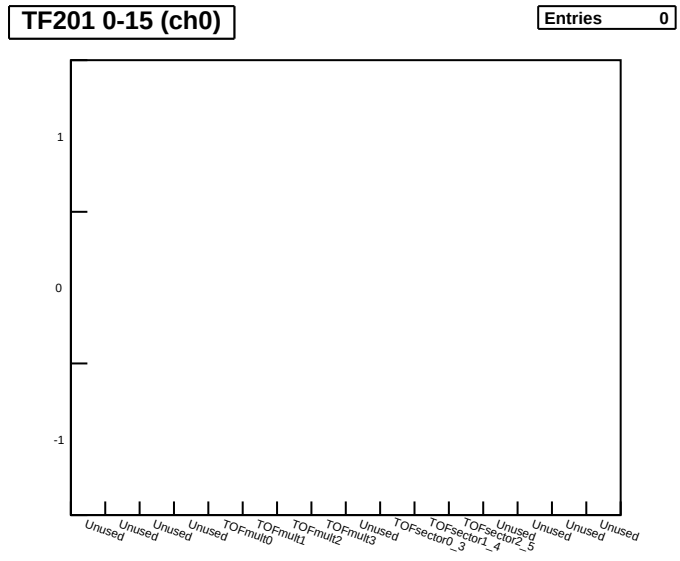

Entries 734359
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

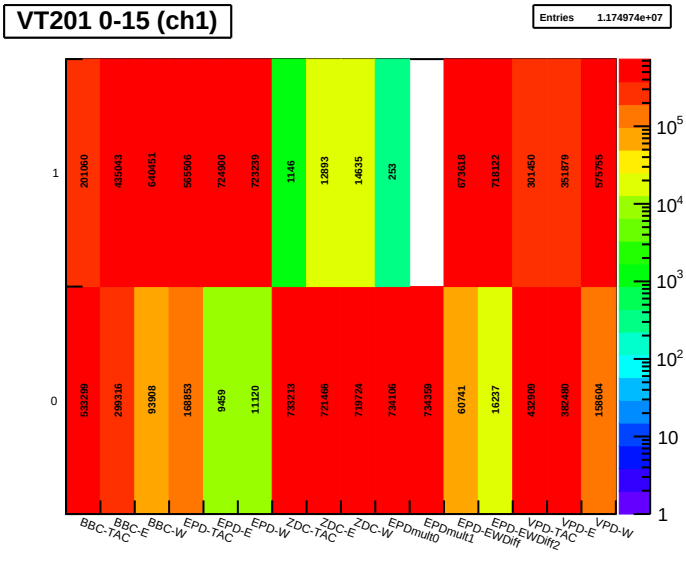

Entries 734359
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

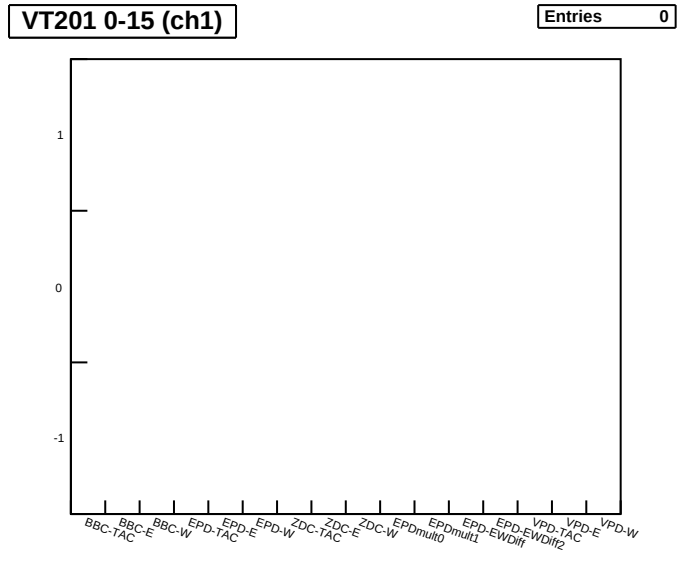

Laser Input Bits
Entries 734359
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

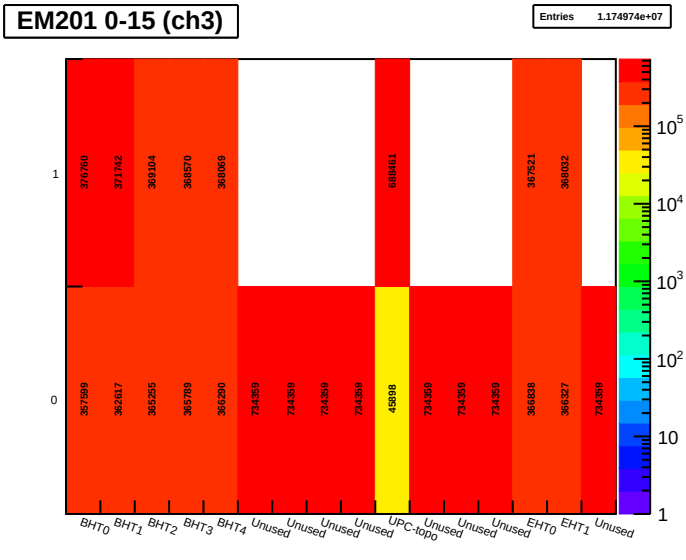

ST201 0-15 (ch6)
Entries 1.174974e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3328
3327
1
3327
2
22
731031
731032
734358
731032
734359
734359
734359
734359
734359
734359
734359
734359
734359
734359
734357
734337
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

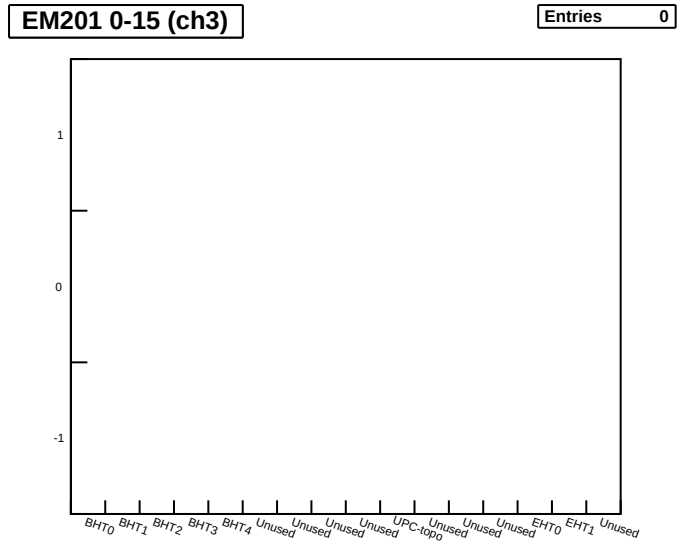

TF201 0-15 (ch0)
Entries 1.174974e+07
1
0
734359 734359 734359 10021 78702 99081 235383 734359 119787 119658 124431 734359
734359 734330 655657 635278 498976 614572 614701 609928 734359 734359 734359
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 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


VT201 0-15 (ch1)
Entries 1.174974e+07
1
0
533299 299316 93908 168853 9459 11120 733213 721466 719724 734106 734359 60741 16237 432909 382480 158604
201060 435043 640451 565506 724900 723239 1146 12893 14635 253 673618 718122 301450 351879 575755
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 1.174974e+07
1
0
357599 362617 365255 365789 366290 734359 734359 734359 734359 45898 734359 734359 734359 366838 366327 734359
376760 371742 369104 368570 368069 688461 367521 368032
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