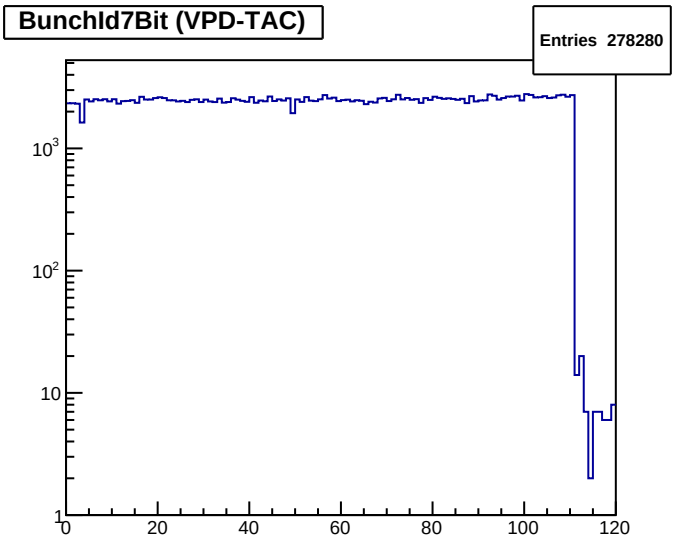
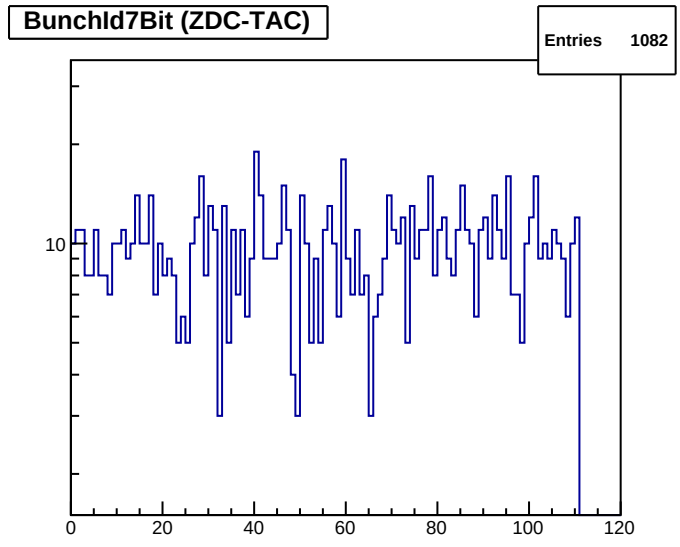
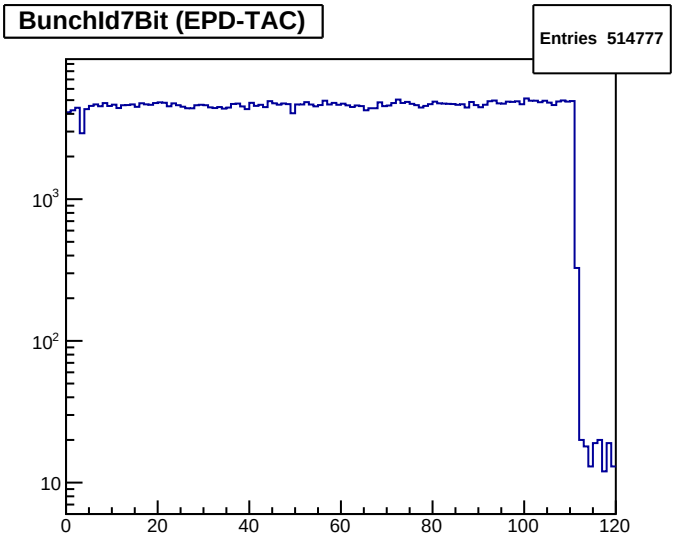
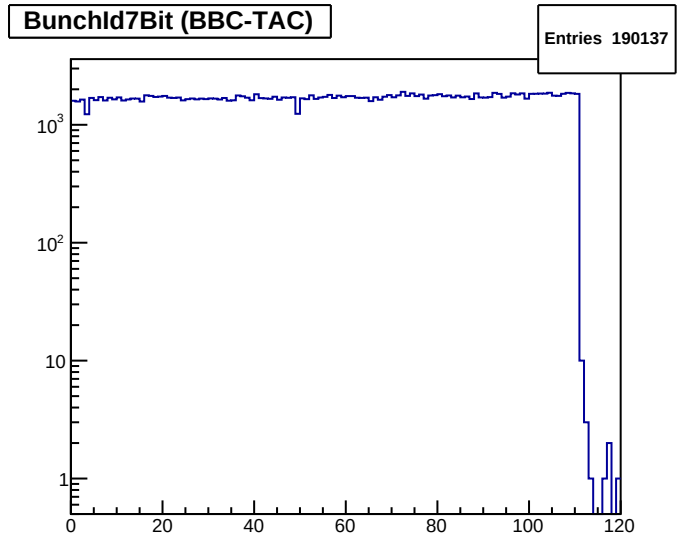
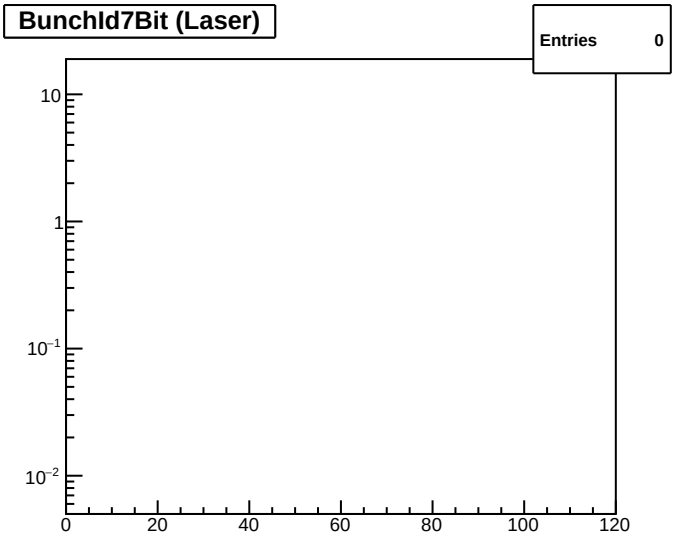
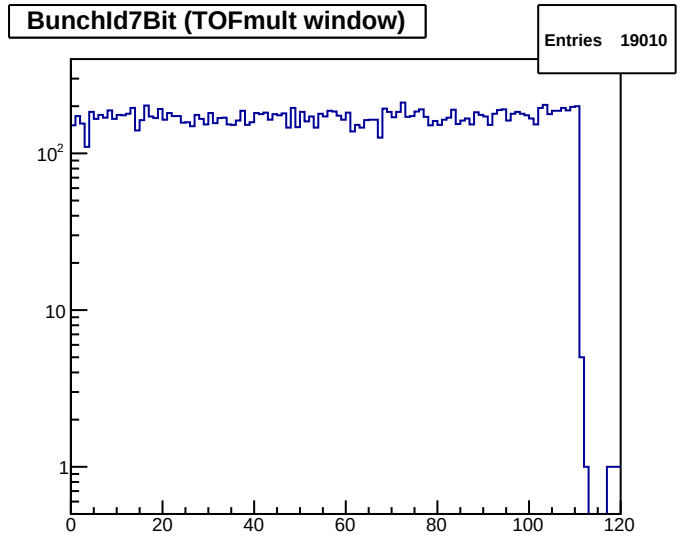

BunchId7Bit (VPD-TAC)
Entries 278280

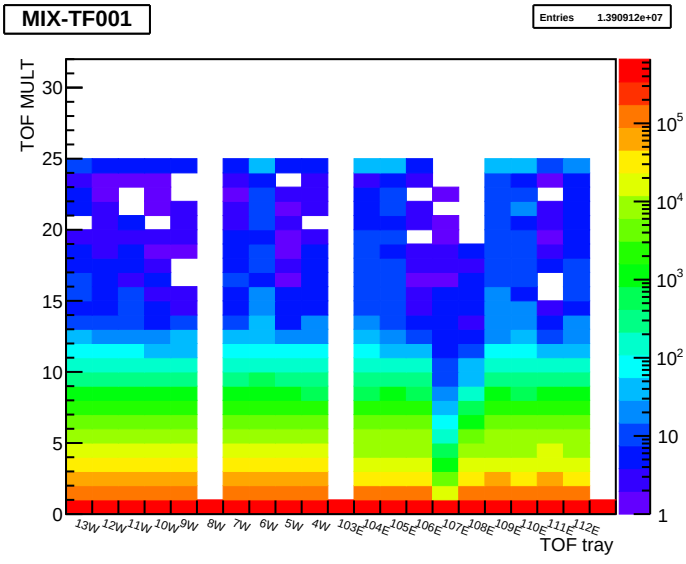

BunchId7Bit (ZDC-TAC)
Entries 1082

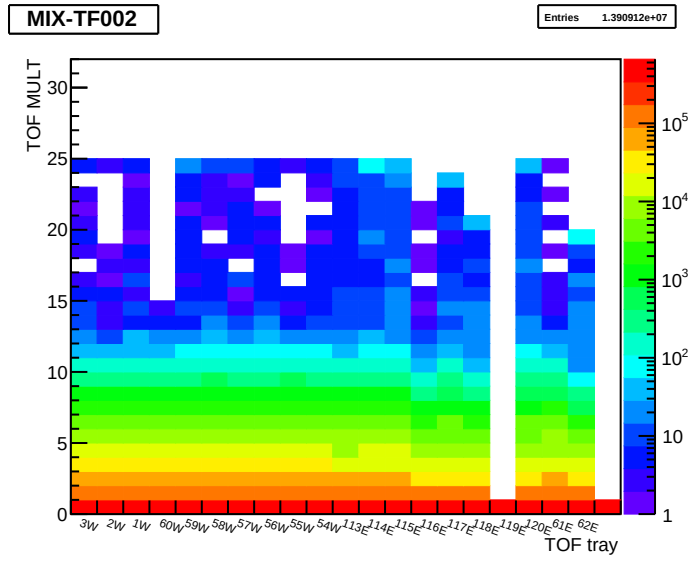

BunchId7Bit (EPD-TAC)
Entries 514777

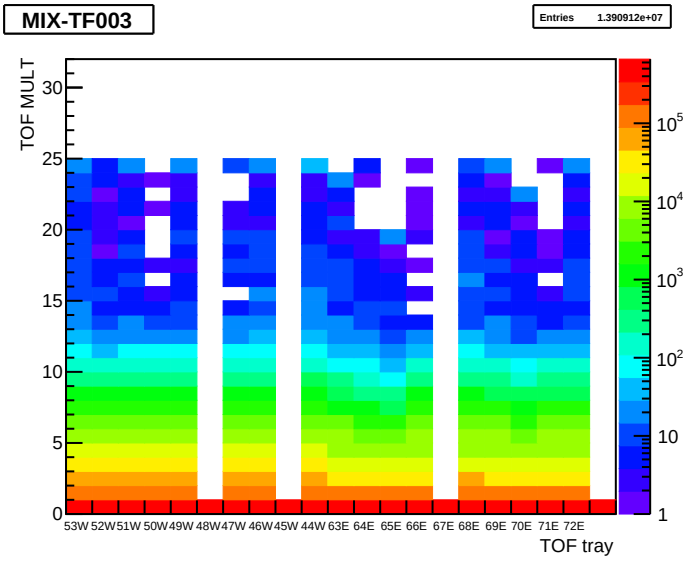

BunchId7Bit (BBC-TAC)
Entries 190137

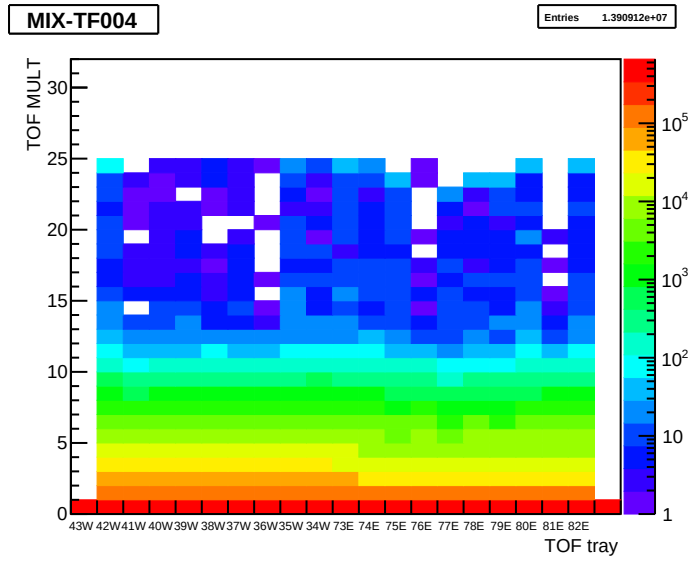

BunchId7Bit (Laser)
Entries 0

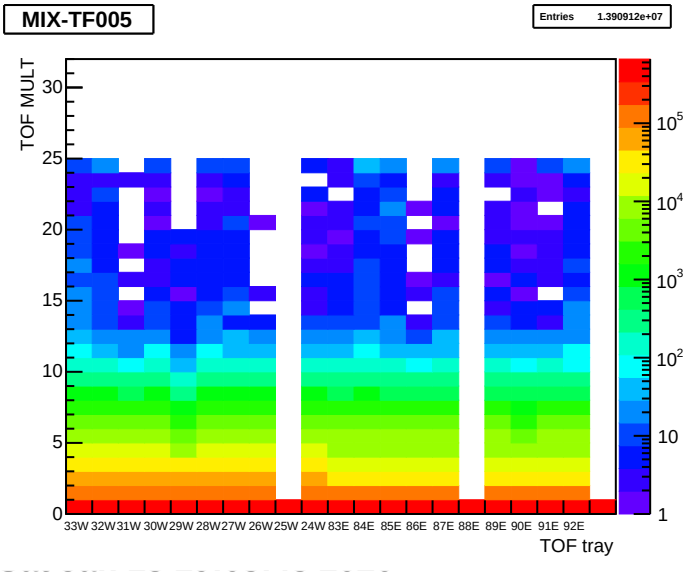

BunchId7Bit (TOFmult window)
Entries 19010

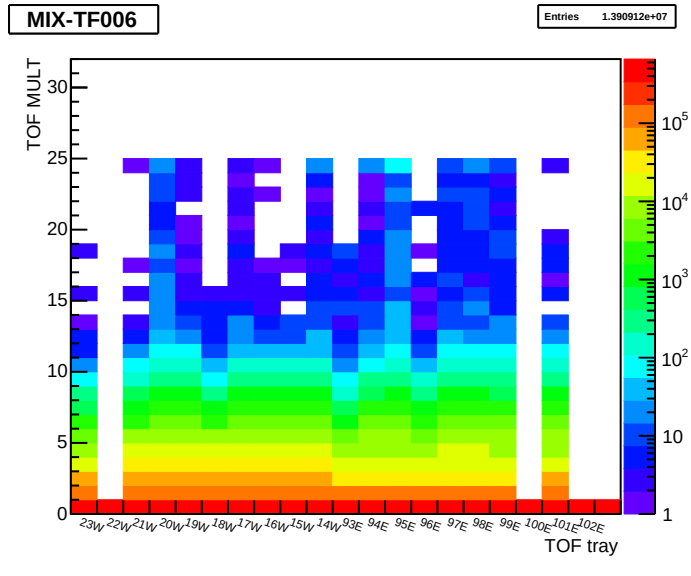

MIX-TF001
Entries 1.390912e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

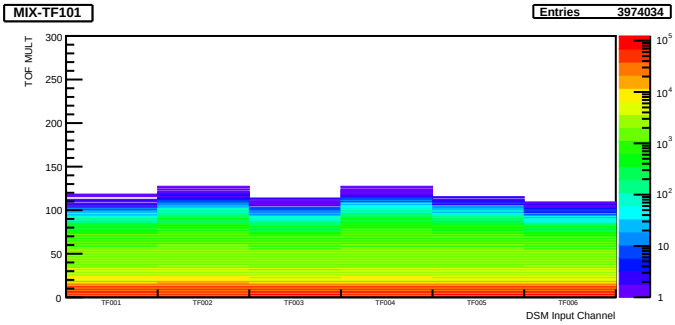

MIX-TF002
Entries 1.390912e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

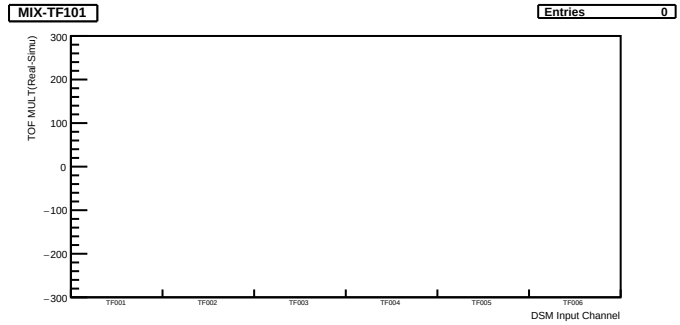

MIX-TF003
Entries 1.390912e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

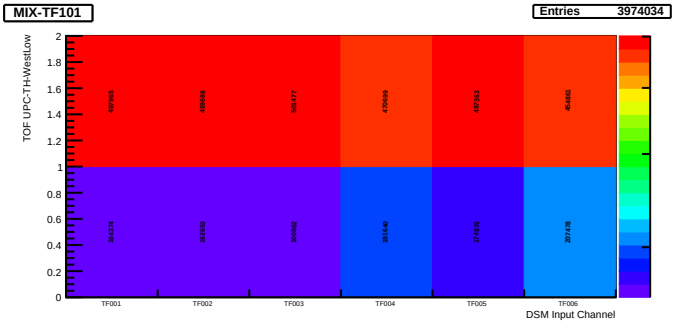

MIX-TF004
Entries 1.390912e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

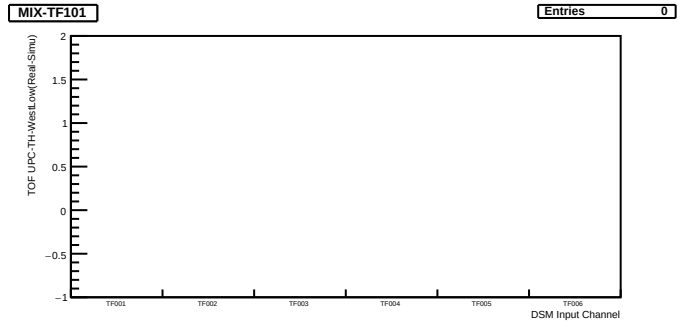

MIX-TF005
Entries 1.390912e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

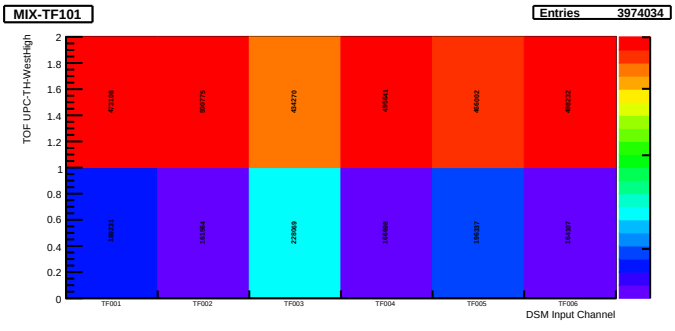

MIX-TF006
Entries 1.390912e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

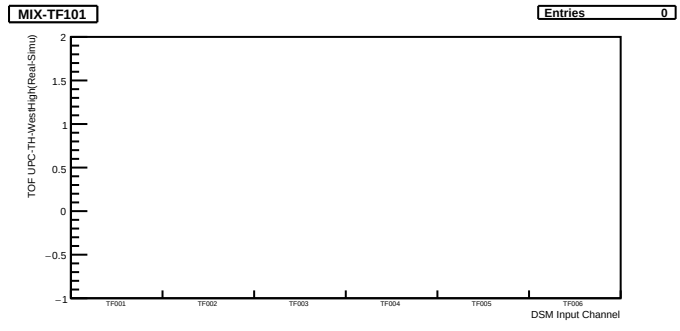

MIX-TF101
Entries 3974034
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

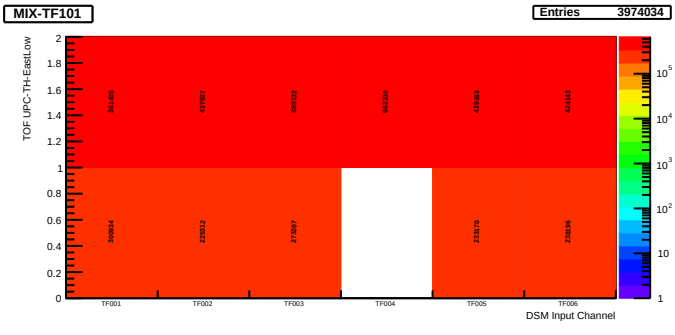

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

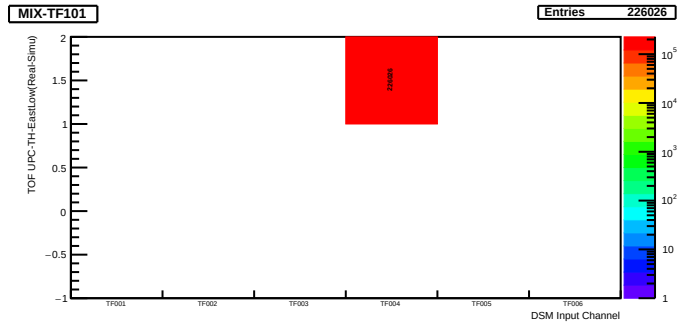

MIX-TF101
Entries 3974034
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

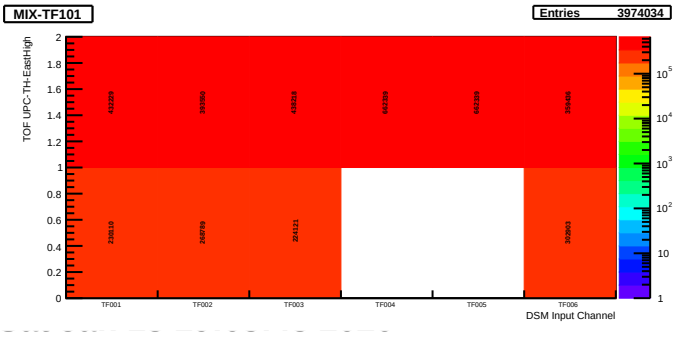

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

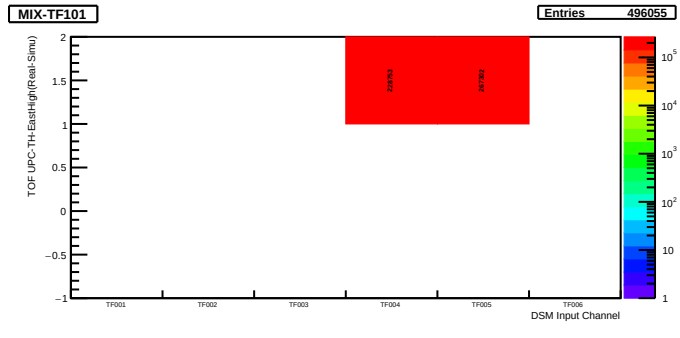

MIX-TF101
Entries 3974034
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

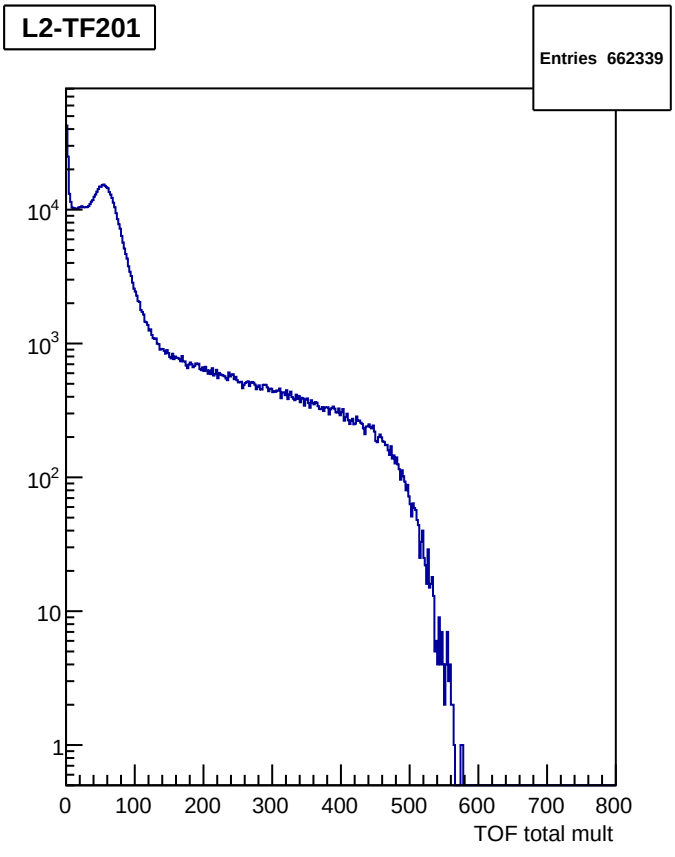

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

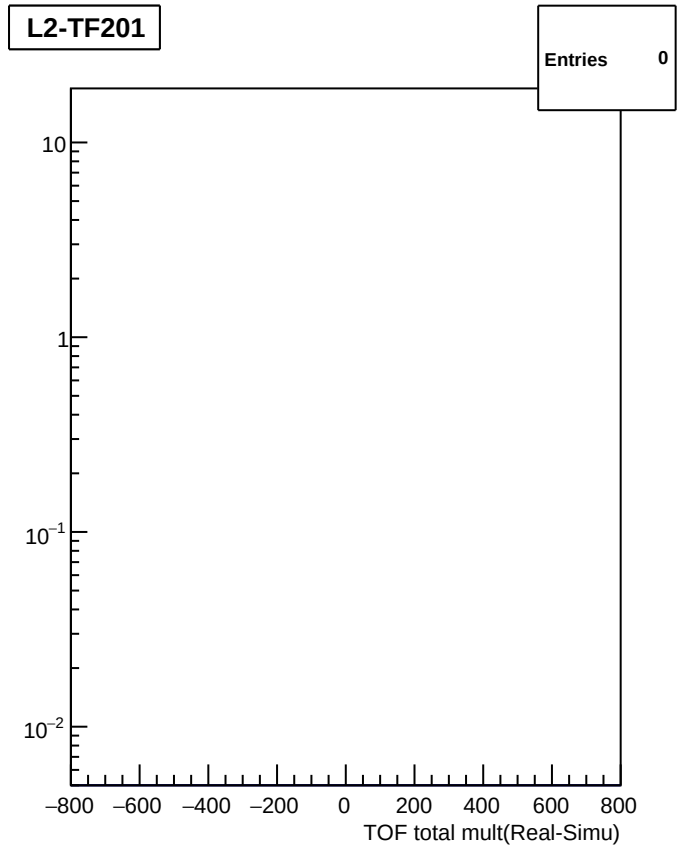

MIX-TF101
Entries 3974034
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

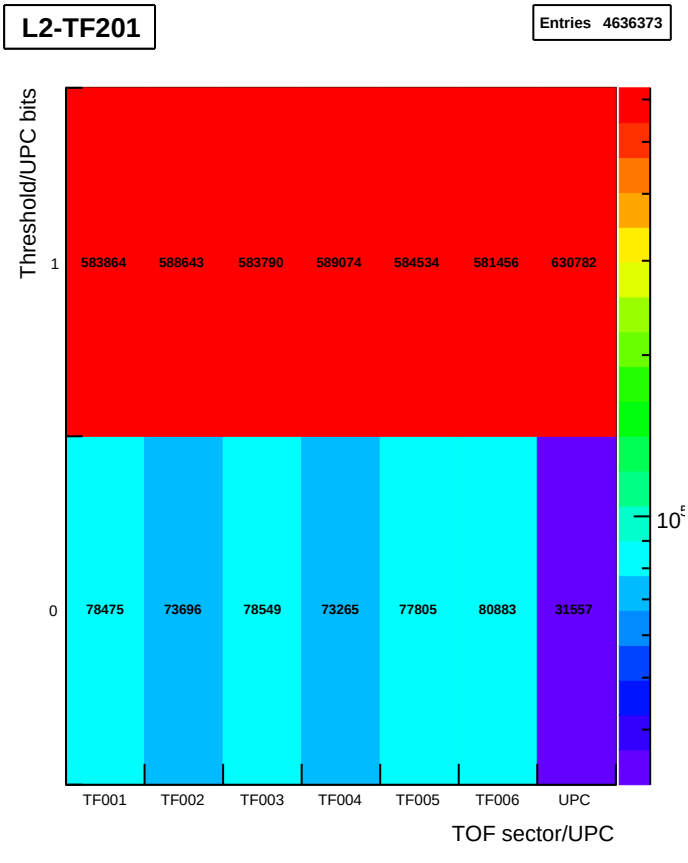

MIX-TF101
Entries 226026
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

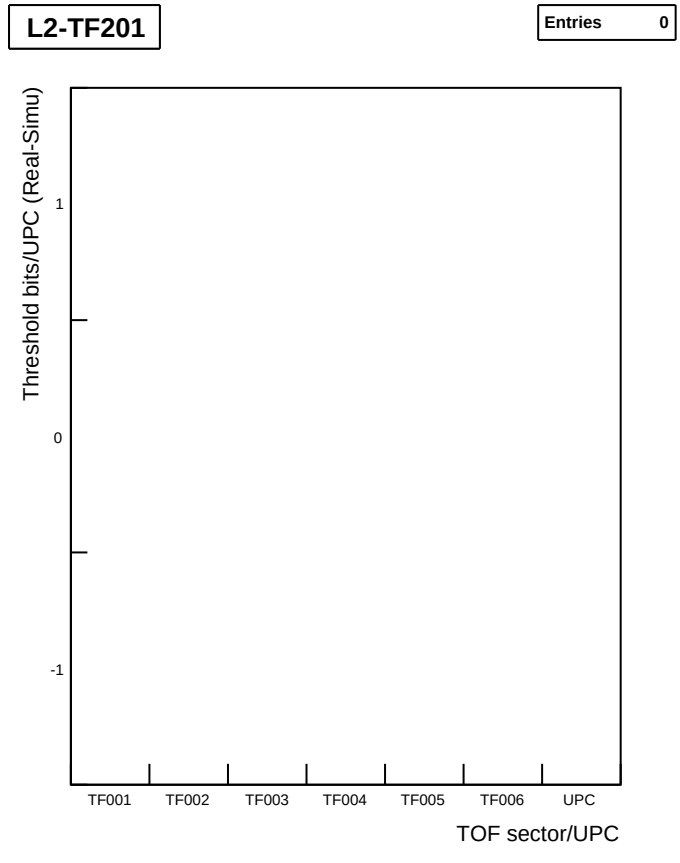

MIX-TF101
Entries 3974034
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

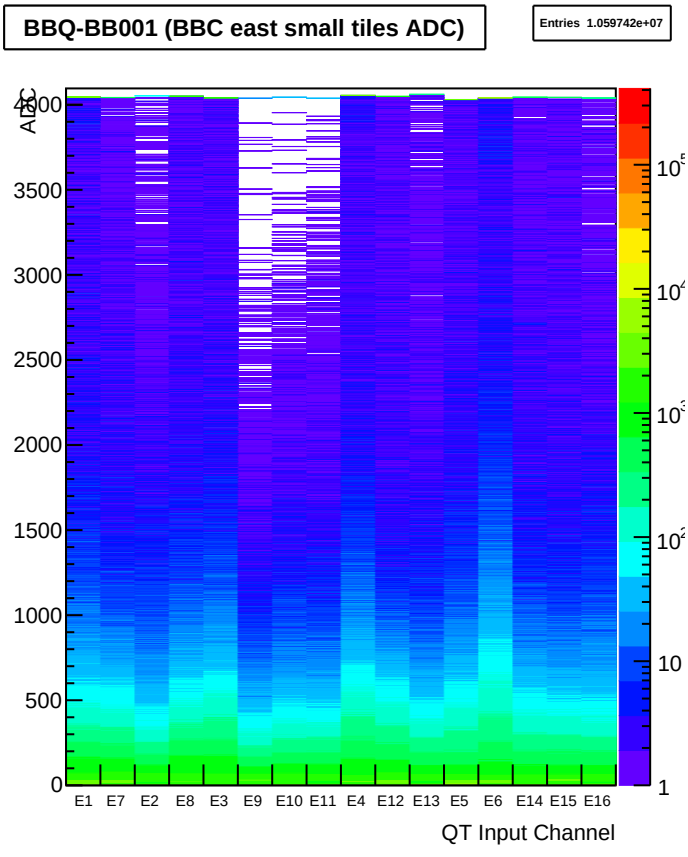

MIX-TF101
Entries 496055
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

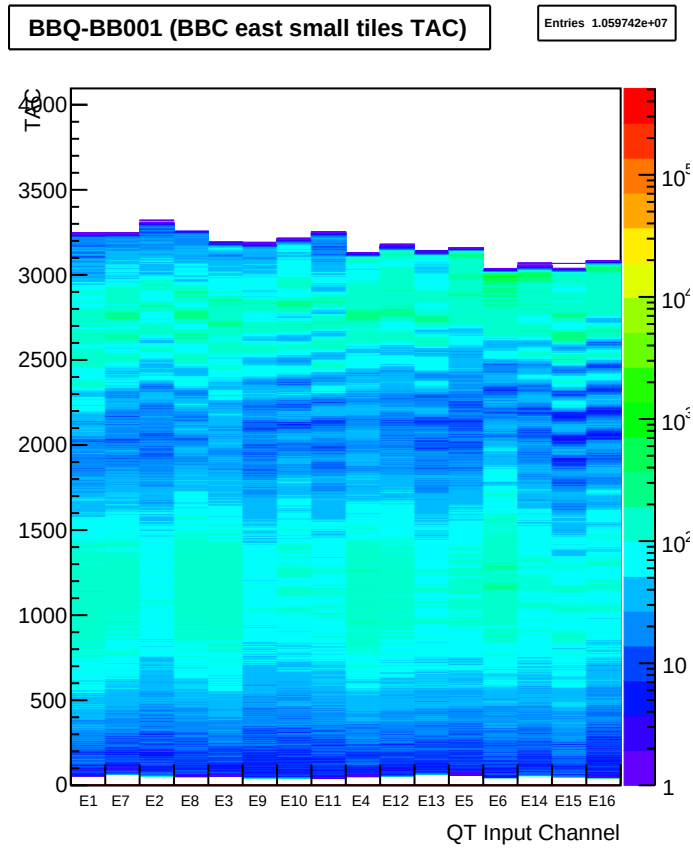

L2-TF201
Entries 662339
TOF total mult

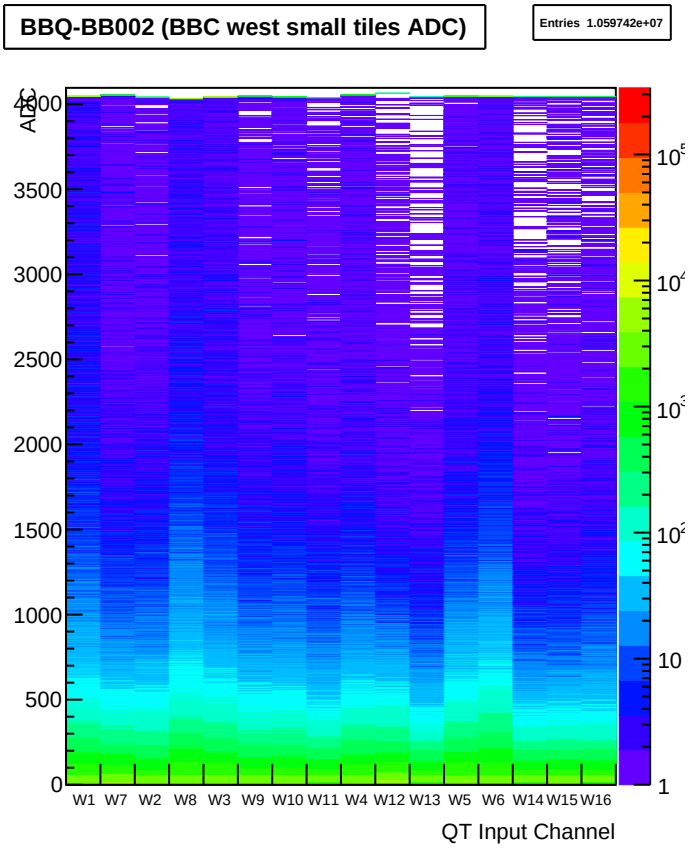

L2-TF201
Entries 0
TOF total mult(Real-Simu)

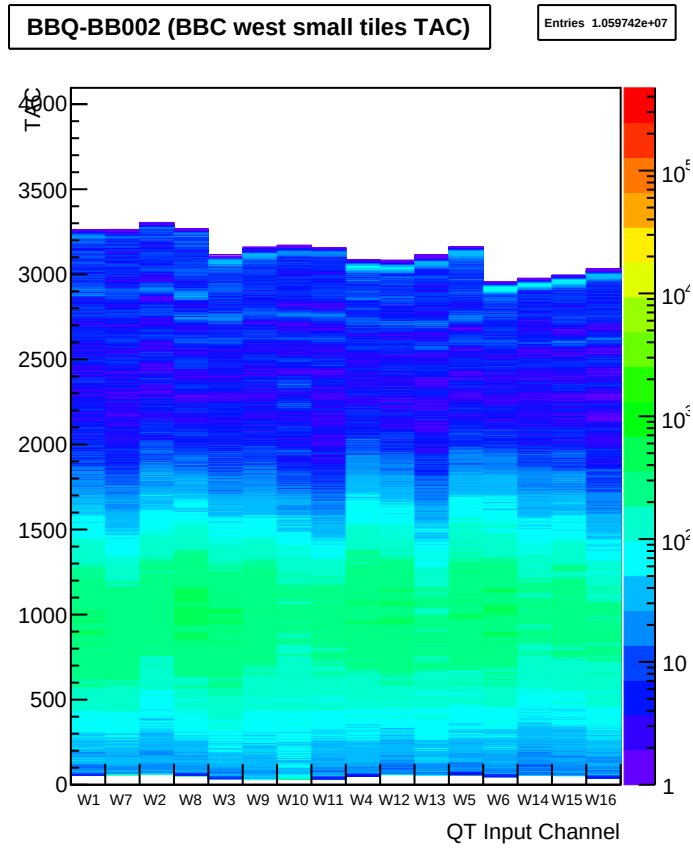

L2-TF201
Entries 4636373
Threshold/UPC bits
583864
588643
583790
589074
584534
581456
630782
78475
73696
78549
73265
77805
80883
31557
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

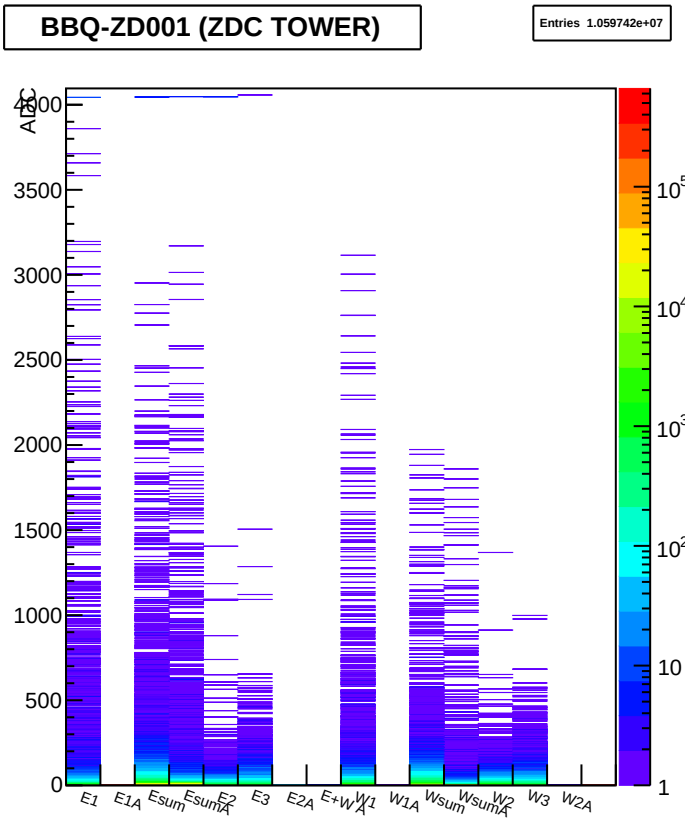

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

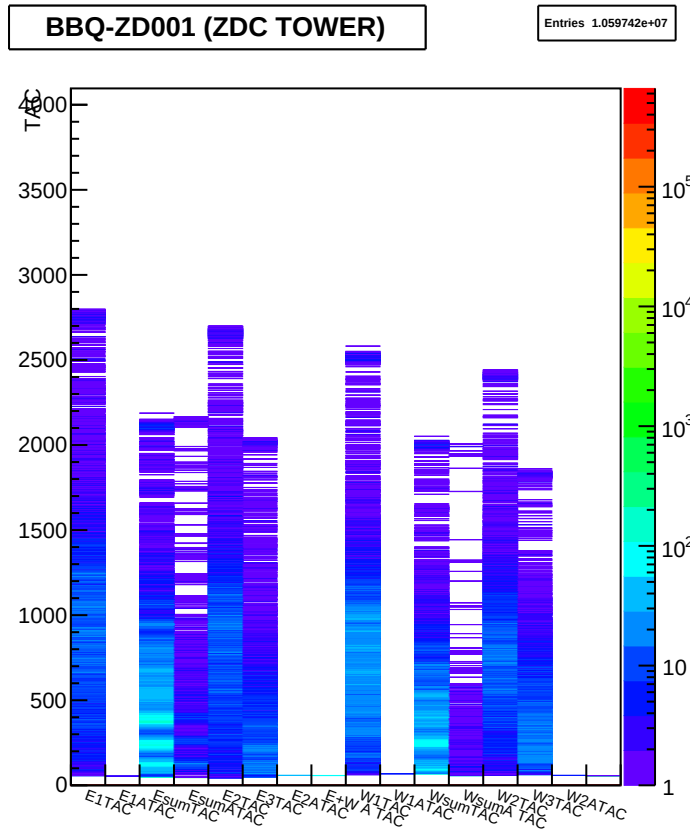

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.059742e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

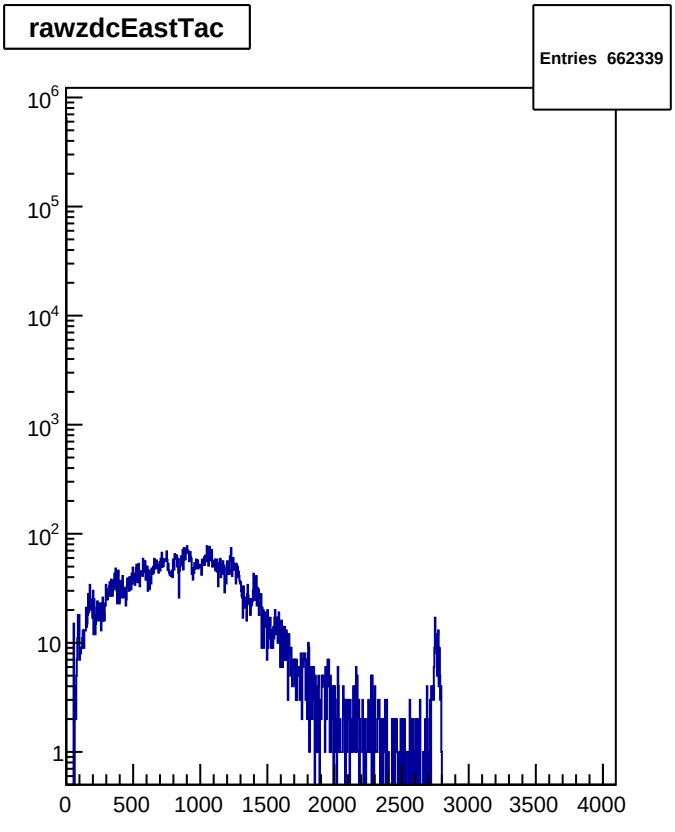

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.059742e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

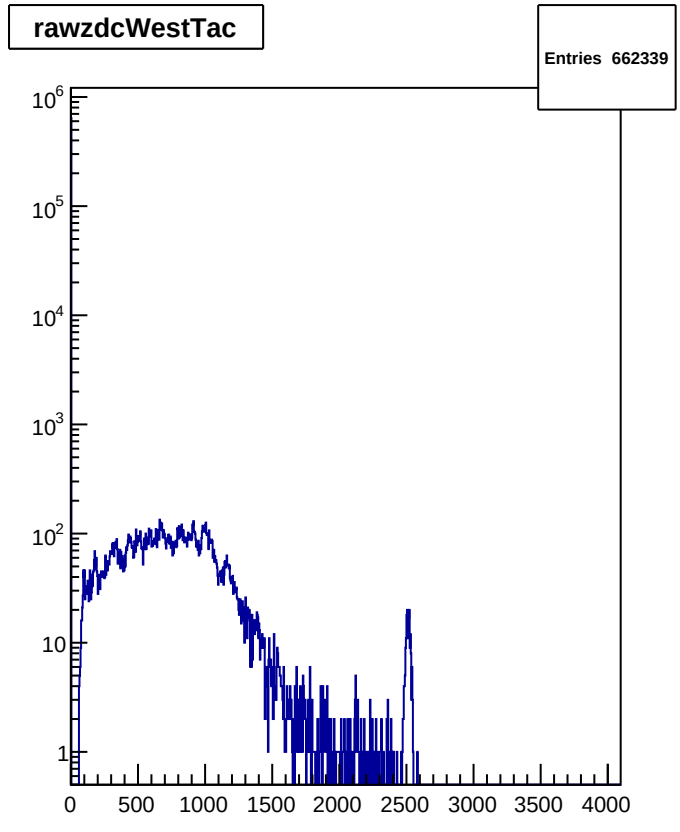

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.059742e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

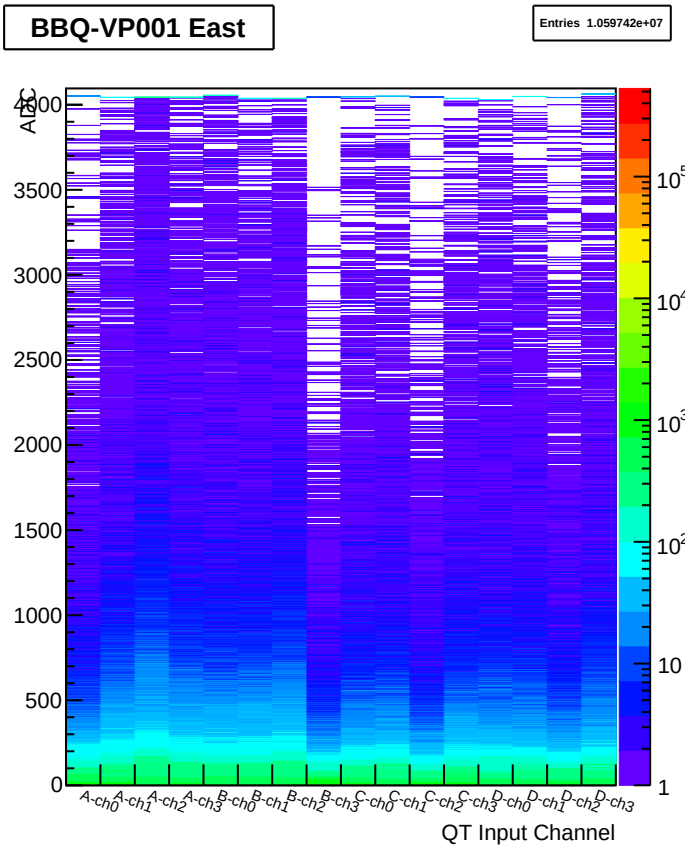

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.059742e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

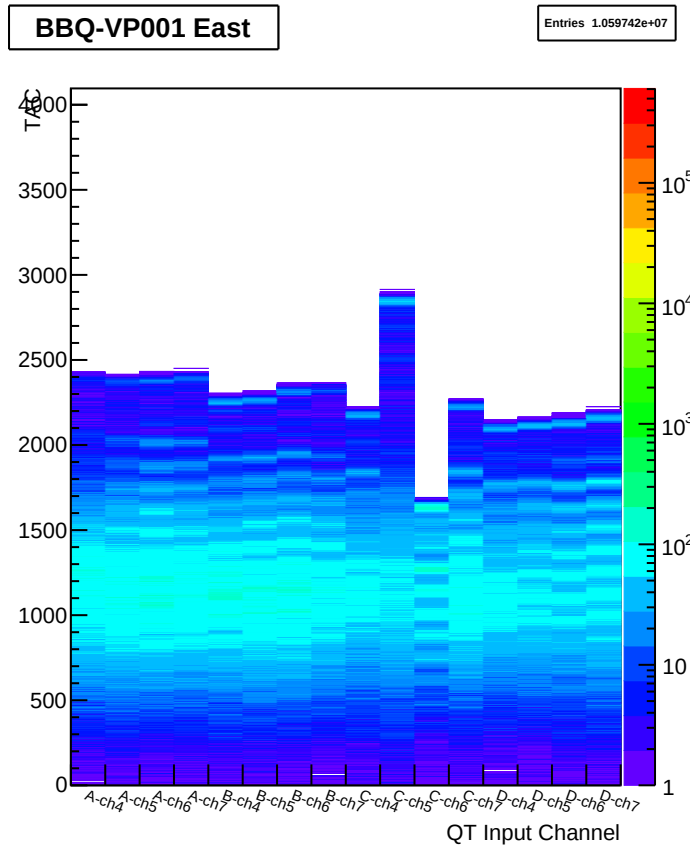

BBQ-ZD001 (ZDC TOWER)
Entries 1.059742e+07
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

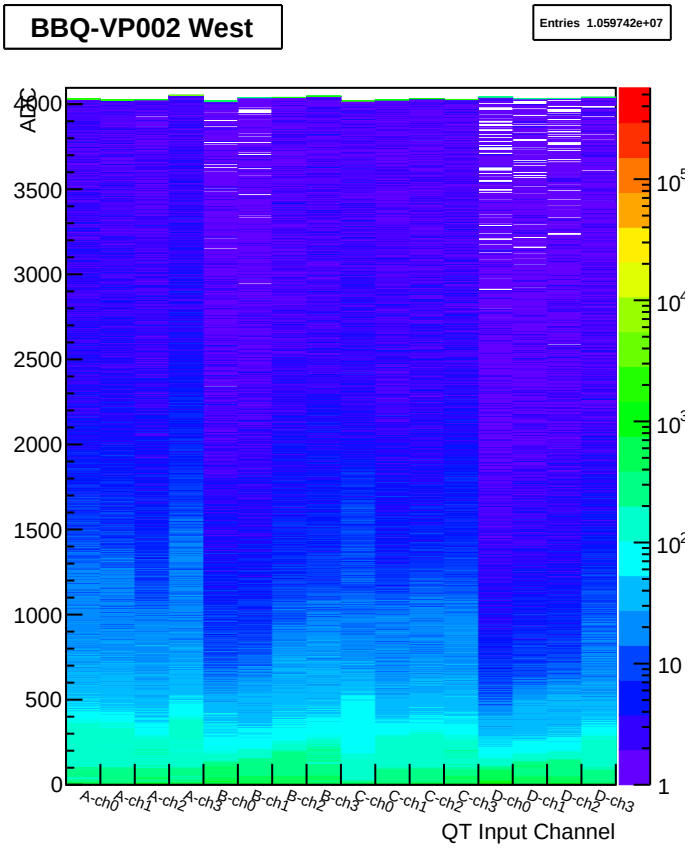

BBQ-ZD001 (ZDC TOWER)
Entries 1.059742e+07
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

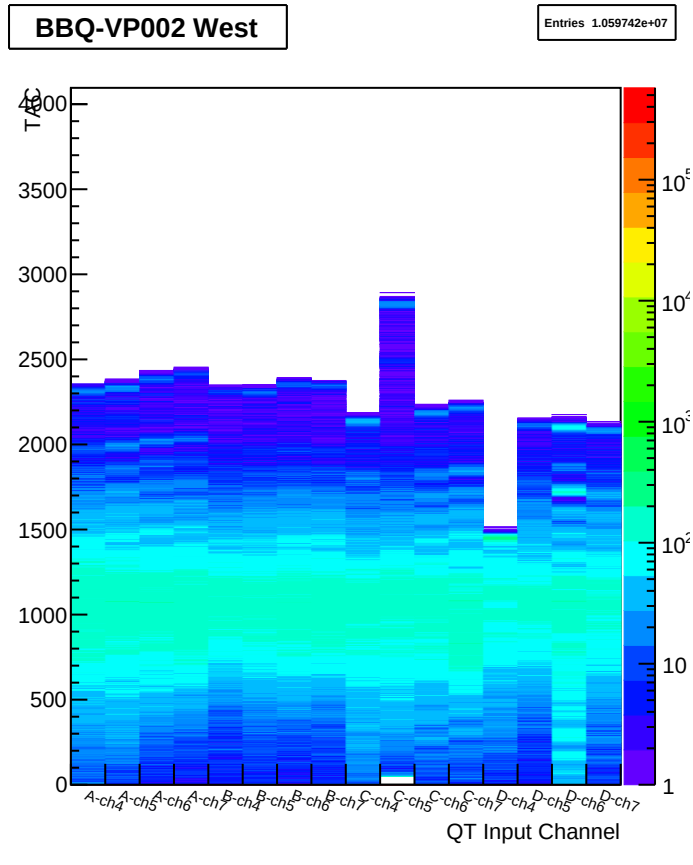

rawzdcEastTac
Entries 662339

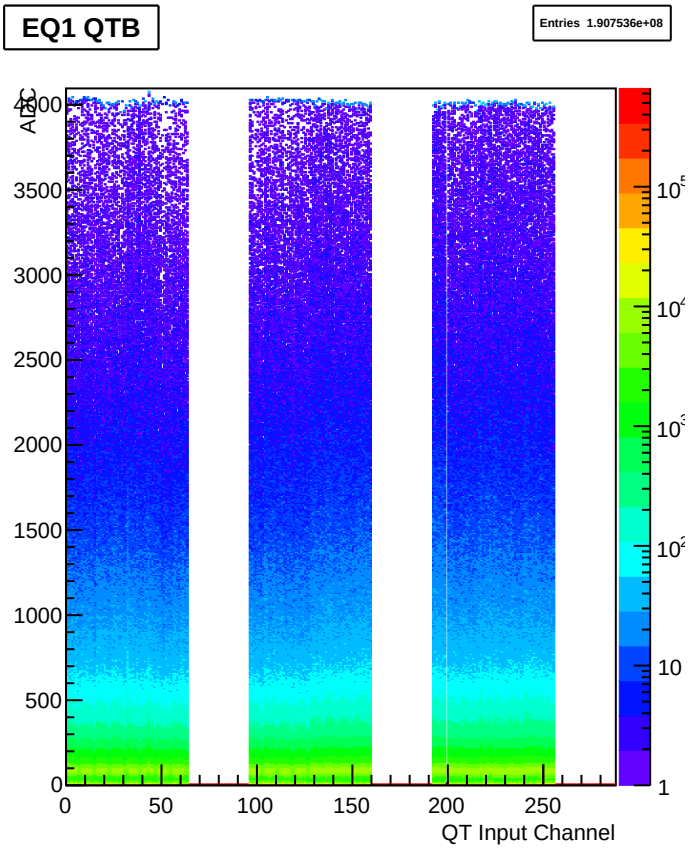

rawzdcWestTac
Entries 662339

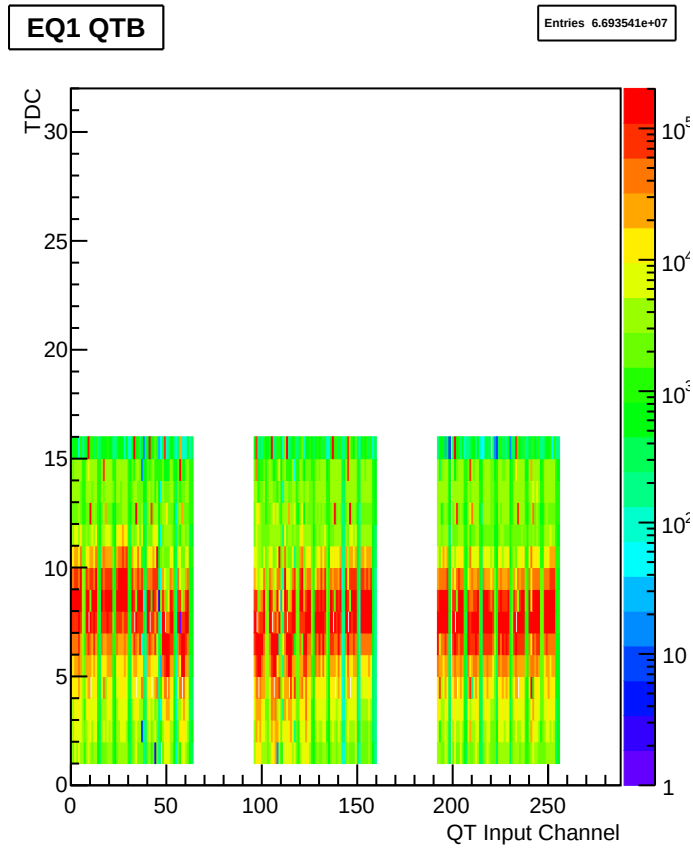

BBQ-VP001 East
Entries 1.059742e+07
ADC
QT Input Channel

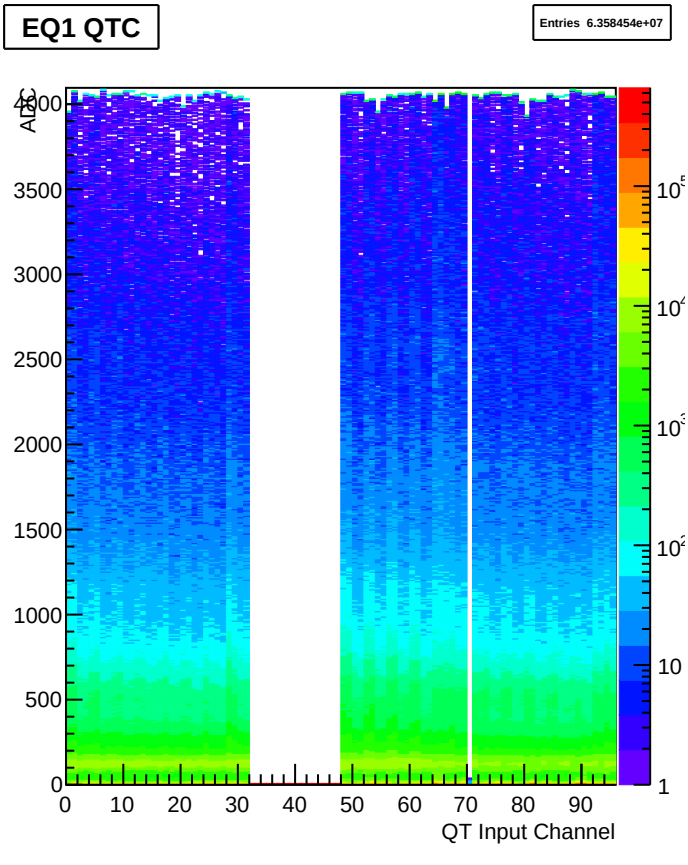

BBQ-VP001 East
Entries 1.059742e+07
TADC
QT Input Channel

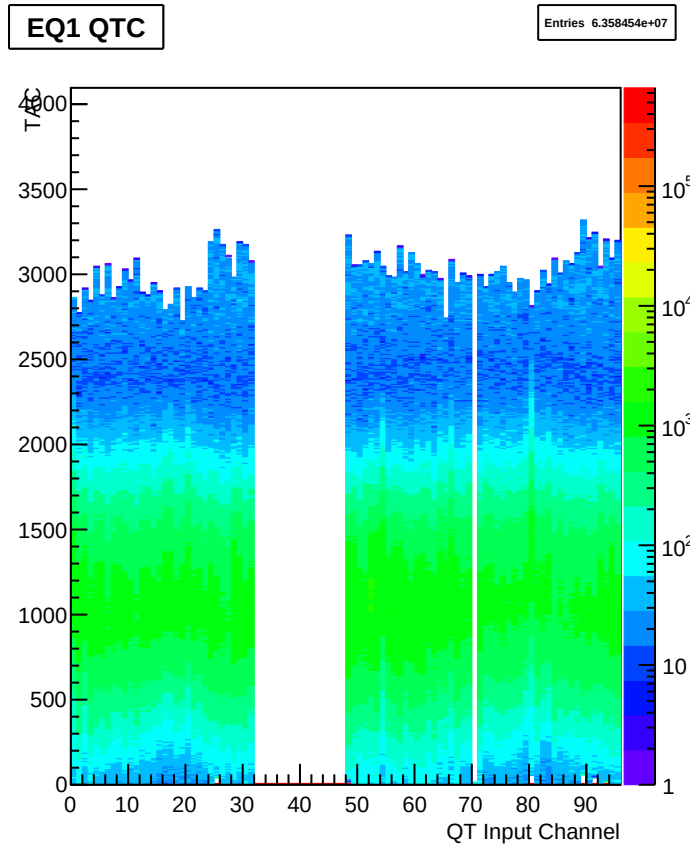

BBQ-VP002 West
Entries 1.059742e+07
ADC
QT Input Channel

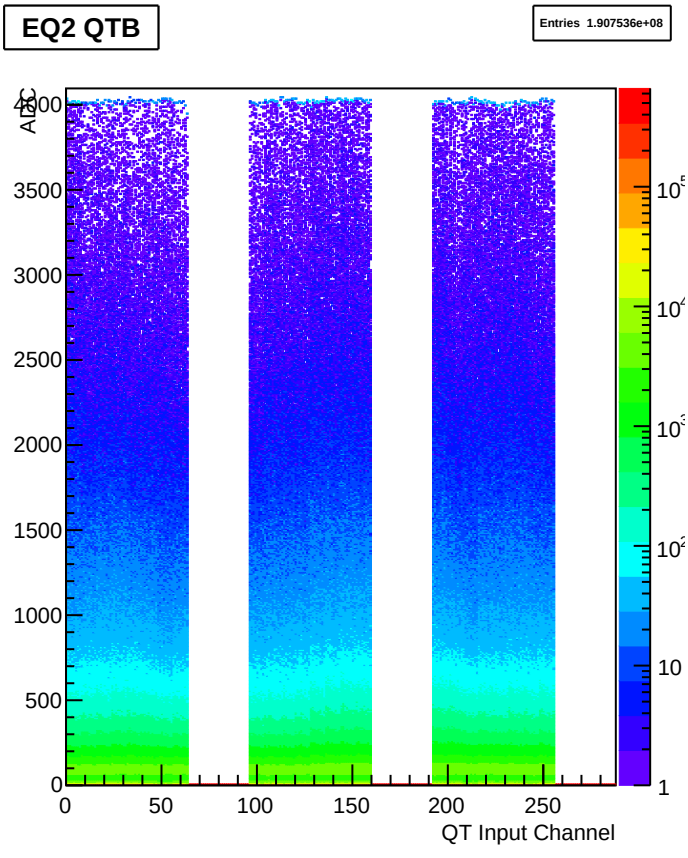

BBQ-VP002 West
Entries 1.059742e+07
TADC
QT Input Channel

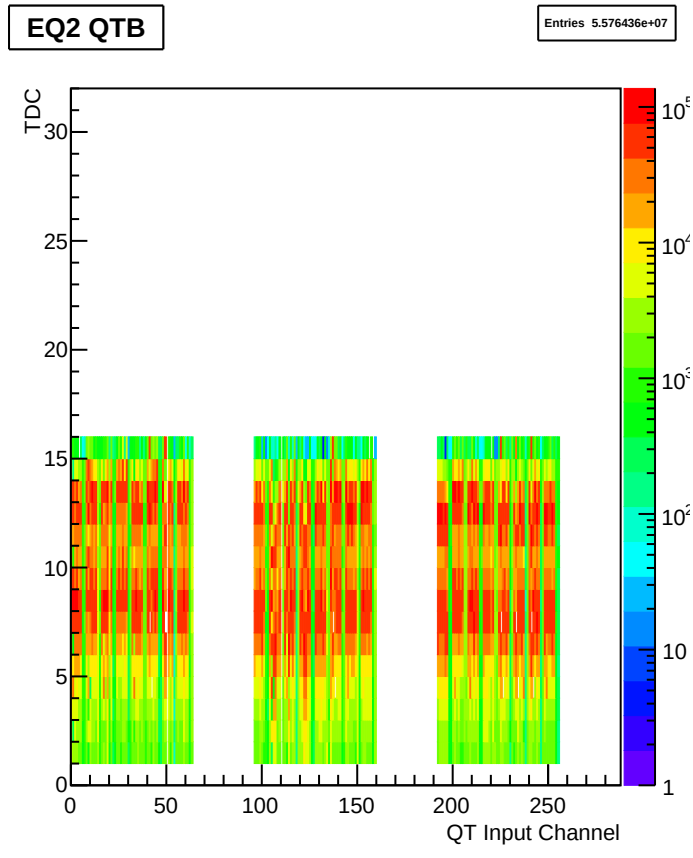

EQ1 QTB
Entries 1.907536e+08
ADC
QT Input Channel

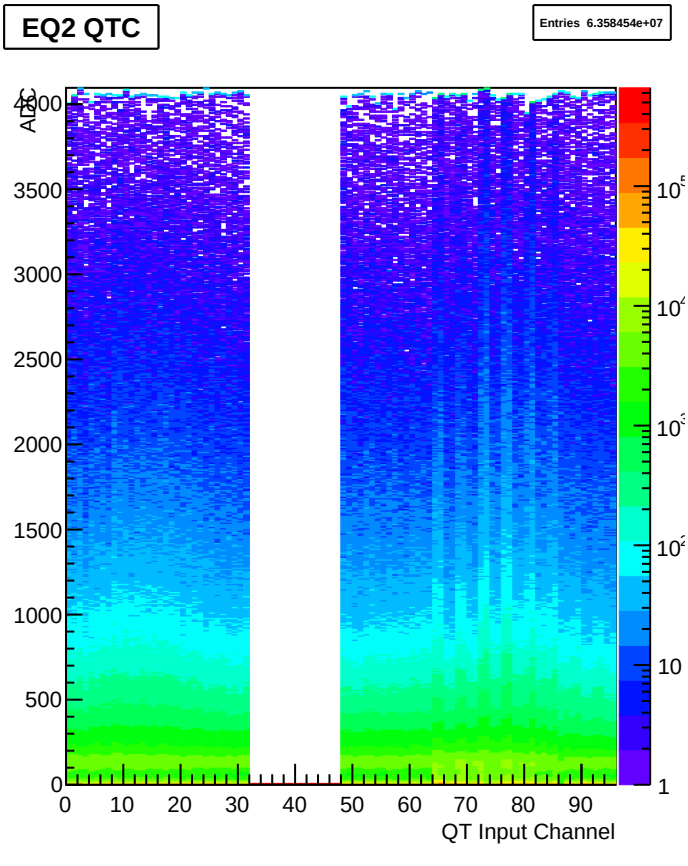

EQ1 QTB
Entries 6.693541e+07
TDC
QT Input Channel

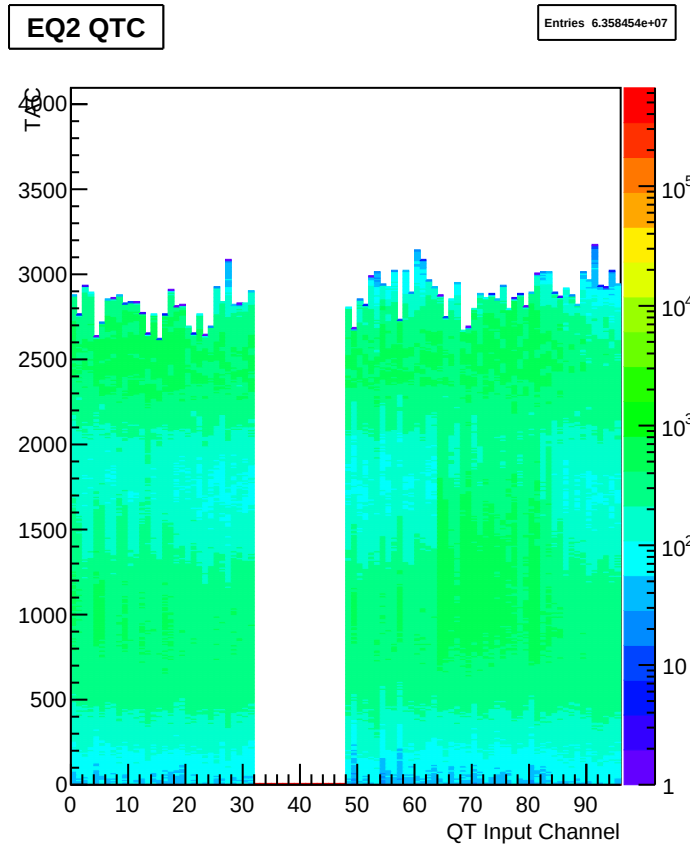

EQ1 QTC
Entries 6.358454e+07
ADC
QT Input Channel

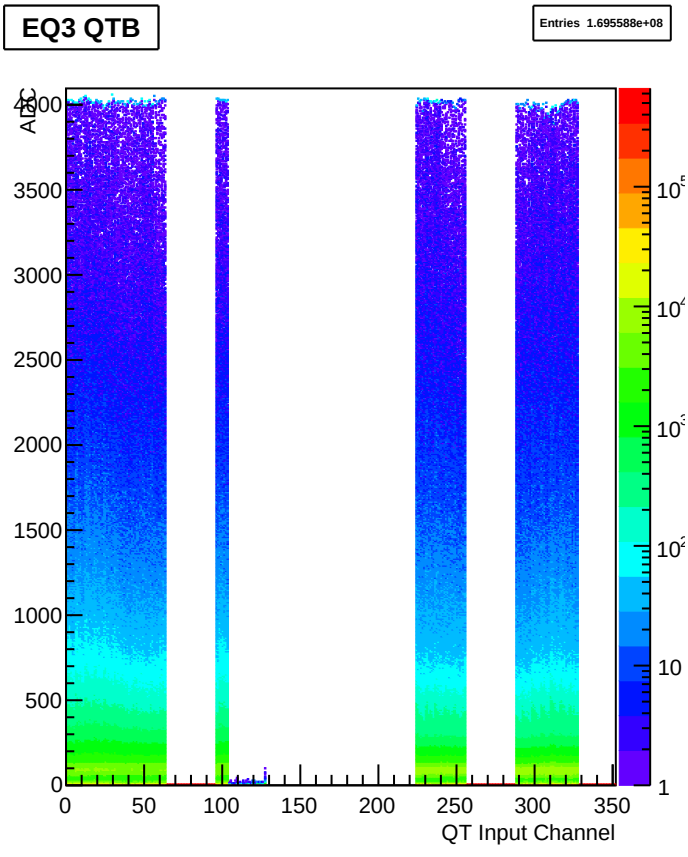

EQ1 QTC
Entries 6.358454e+07
TADC
QT Input Channel

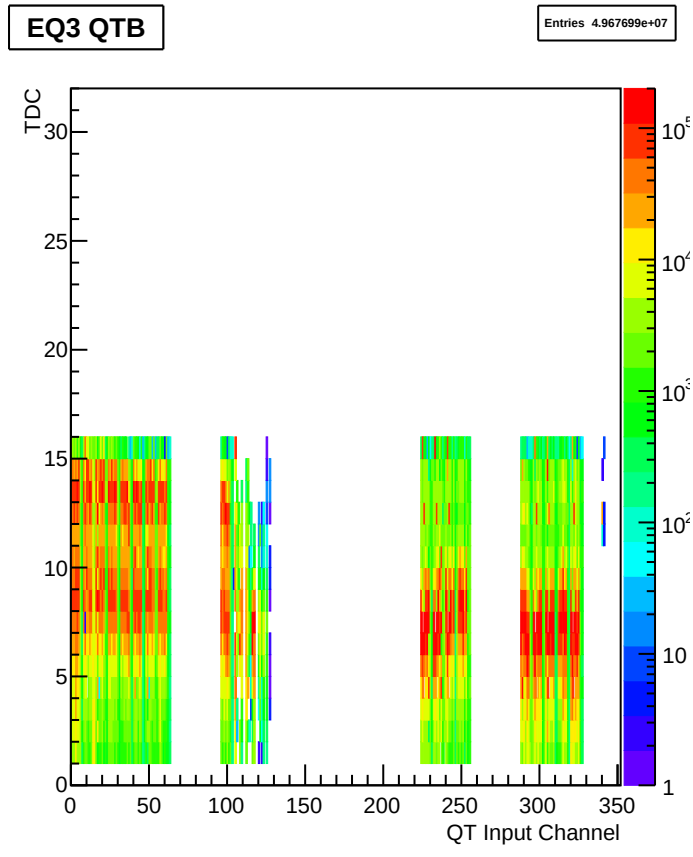

EQ2 QTB
Entries 1.907536e+08
ADC
QT Input Channel

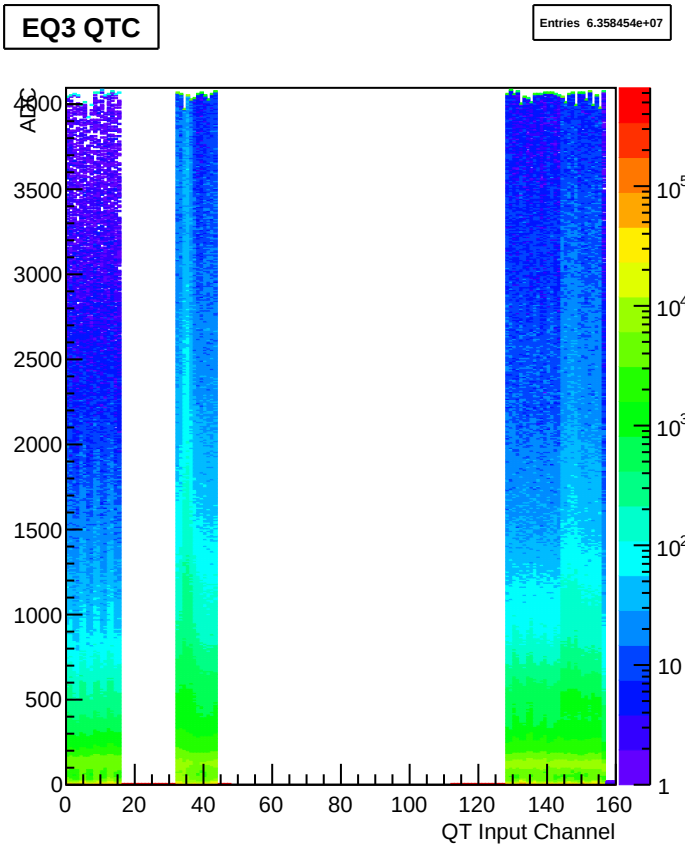

EQ2 QTB
Entries 5.576436e+07
TDC
QT Input Channel


EQ2 QTC
Entries 6.358454e+07
ADC
QT Input Channel


EQ2 QTC
Entries 6.358454e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.695588e+08
ADC
QT Input Channel


EQ3 QTB
Entries 4.967699e+07
TDC
QT Input Channel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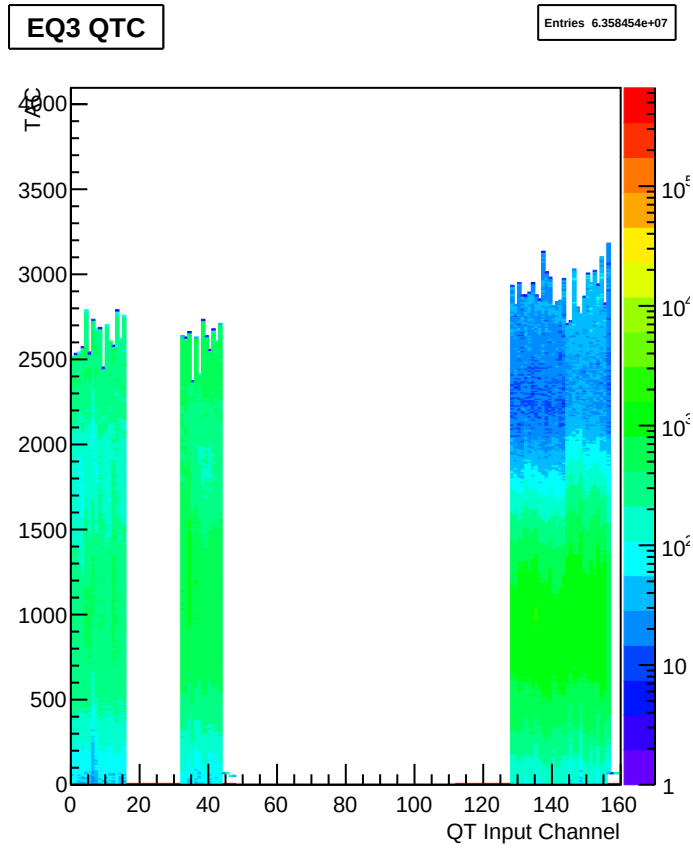
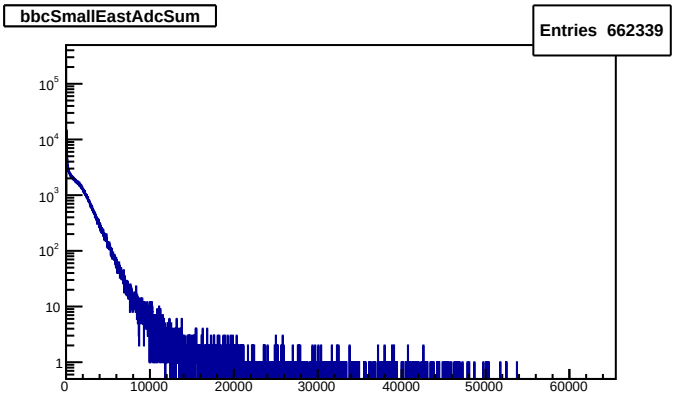
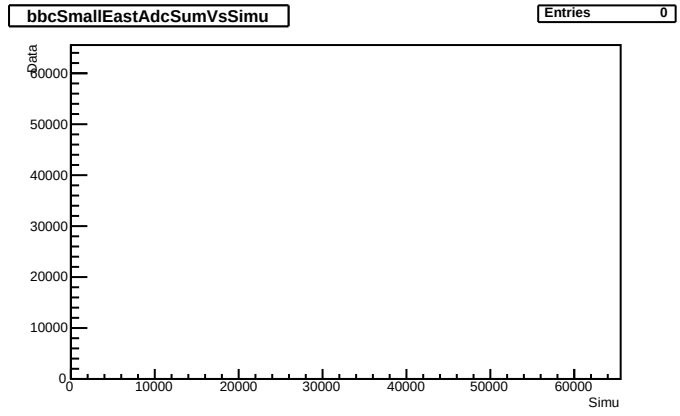
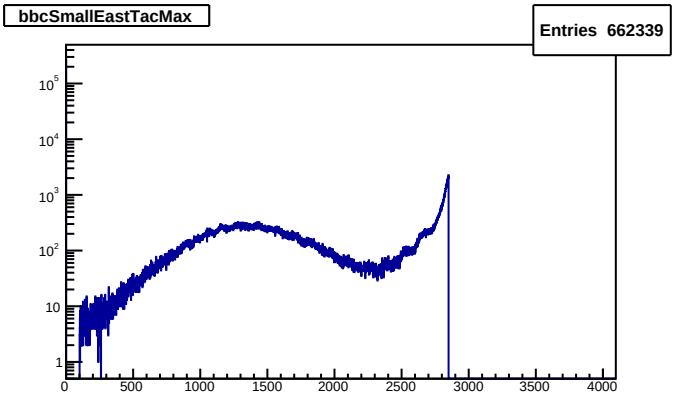
Entries 6.358454e+07
ADC
QT Input Channel


EQ3 QTC
Entries 6.358454e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 662339


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu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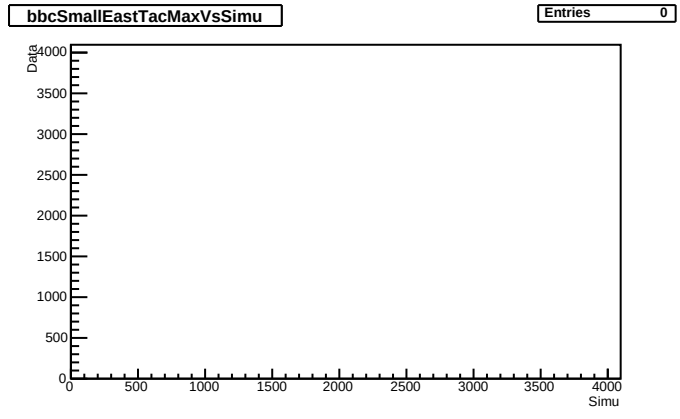
Entries 662339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Entries 0
Data
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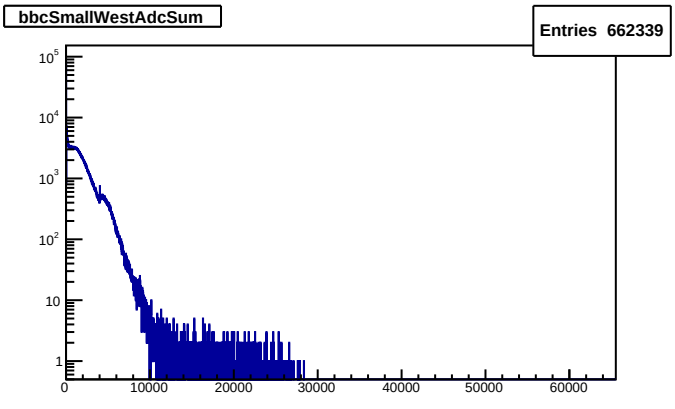
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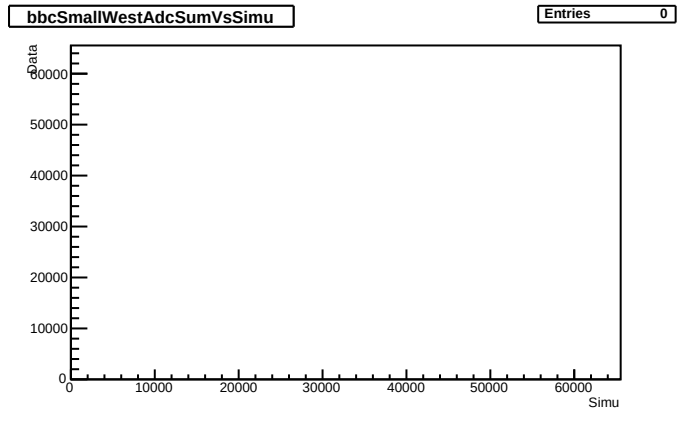
Entries 662339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Entries 0
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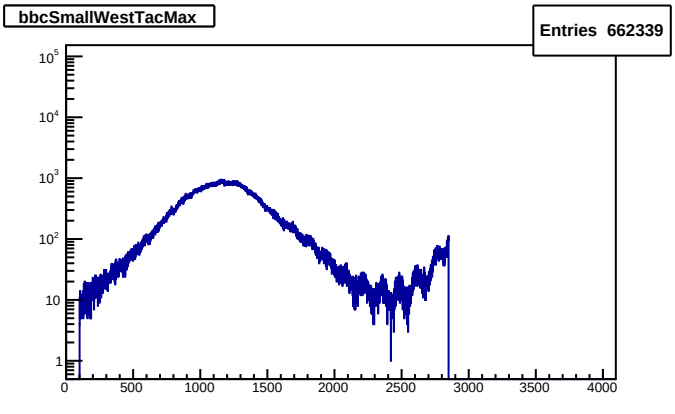
Simu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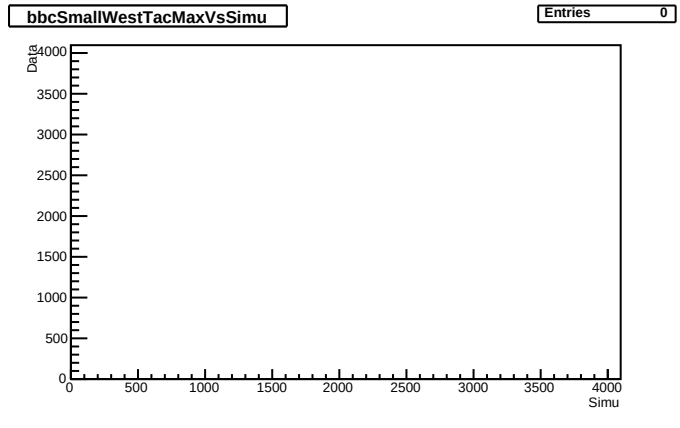
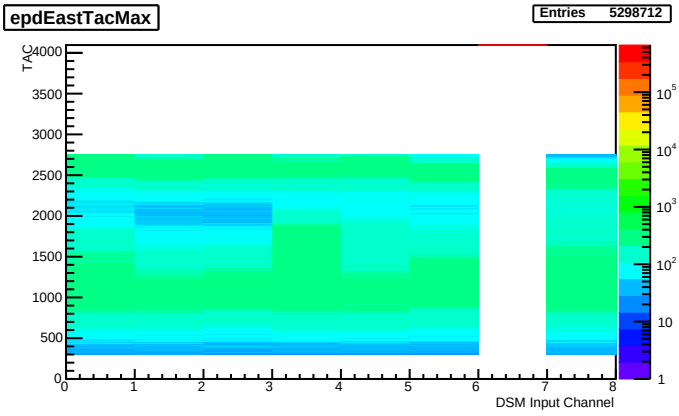
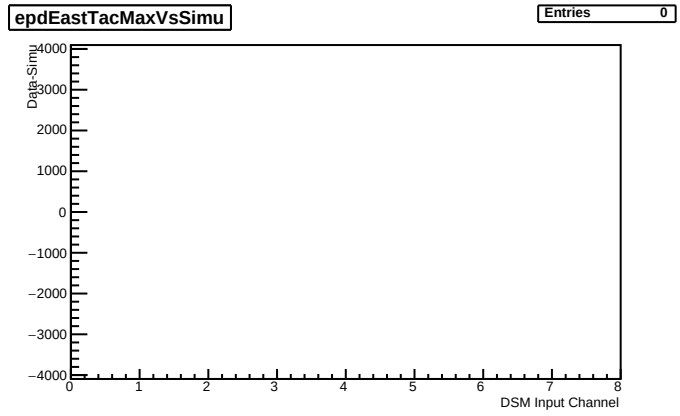
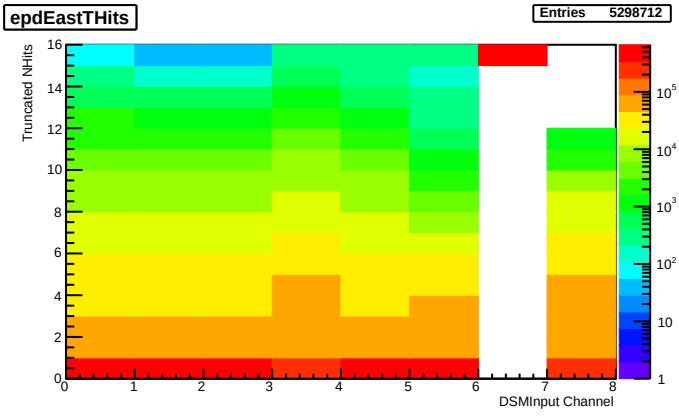
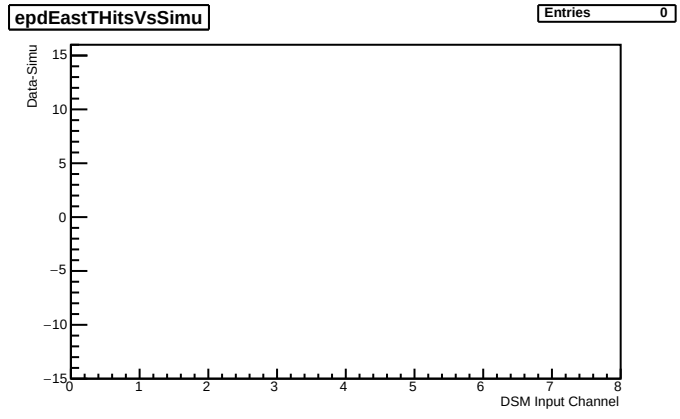
Entries 662339


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 5298712
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 5298712
Truncated NHits
DSMInput Channel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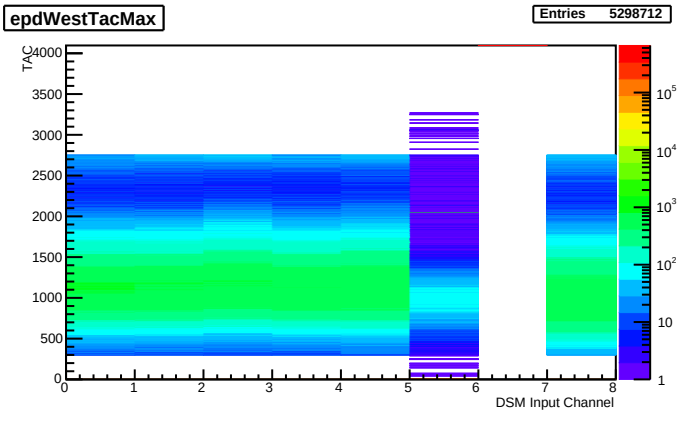
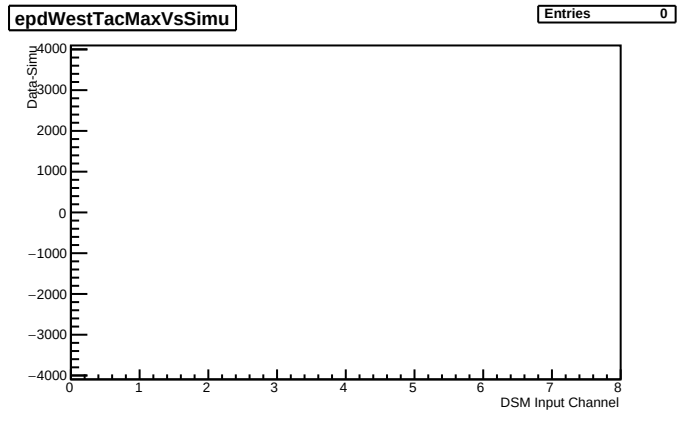
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 5298712
TAC
DSM Input Channel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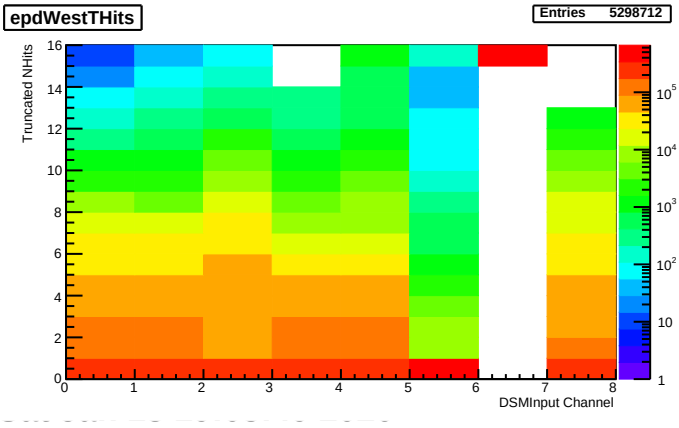
Entries 0
Data-Simu
DSM Input Channel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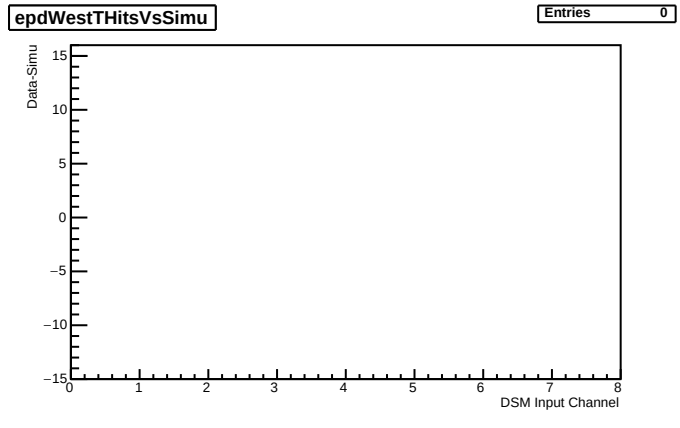
Entries 5298712
Truncated NHits
DSMInput Channel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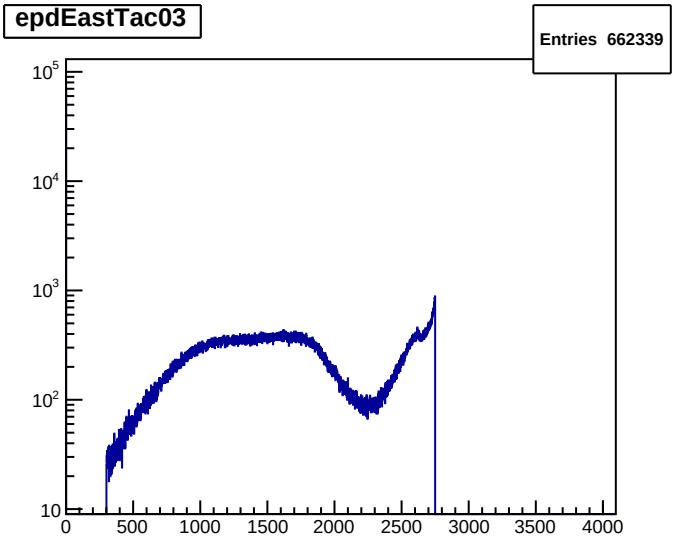
Data-Simu
DSM Input Channel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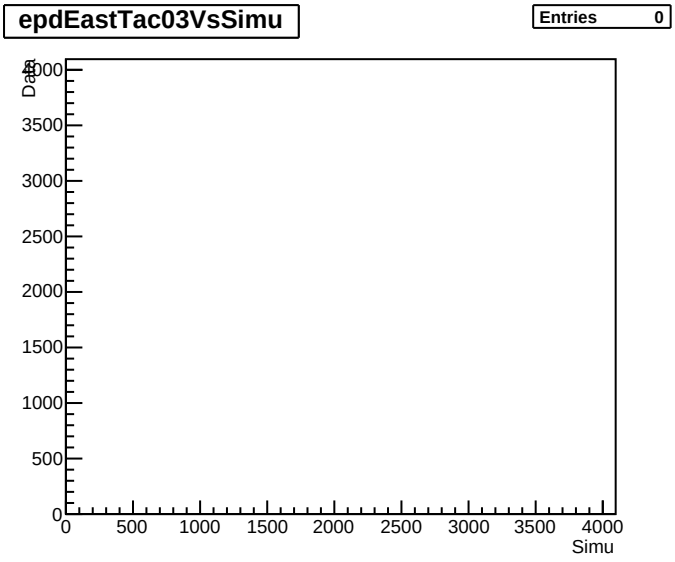
Entries 662339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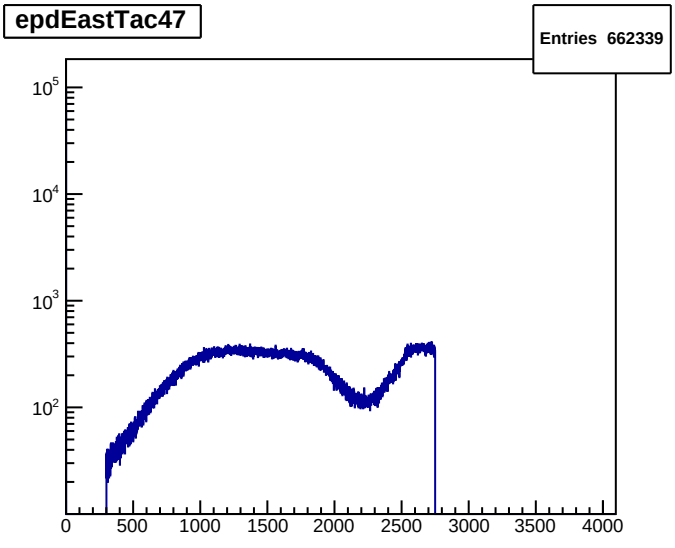
Entries 0
Data
Simu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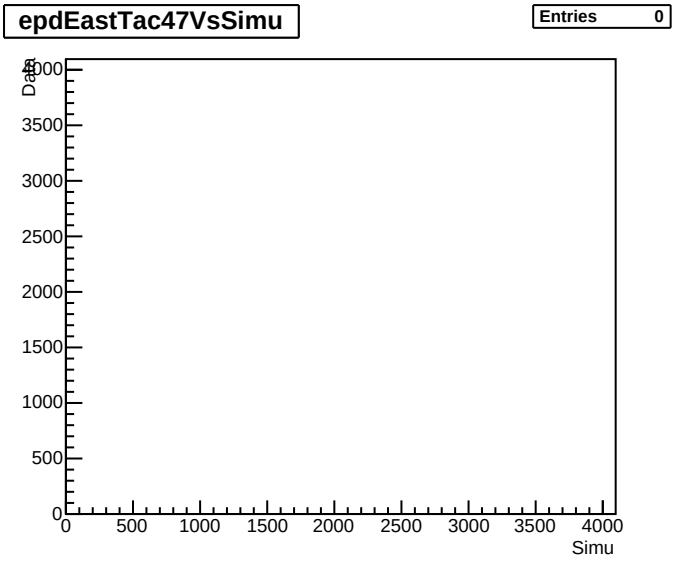
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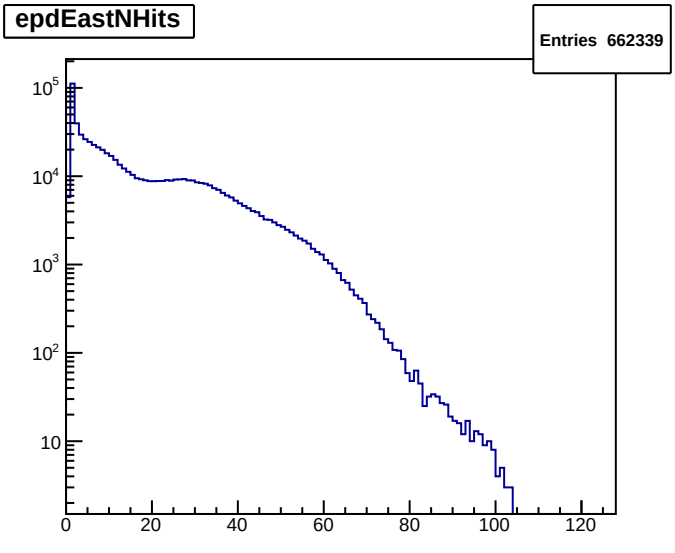
Entries 0
Data
Simu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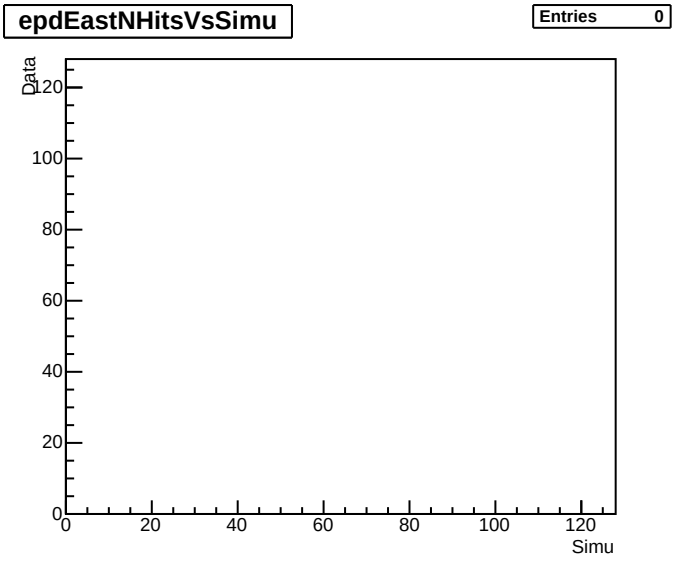
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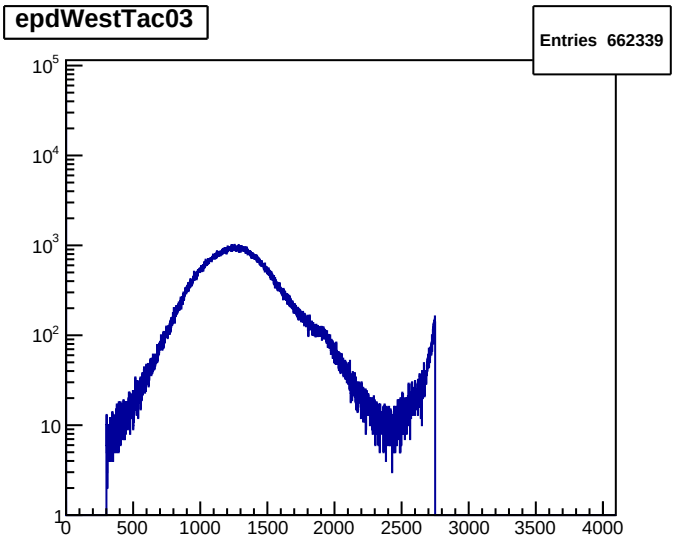
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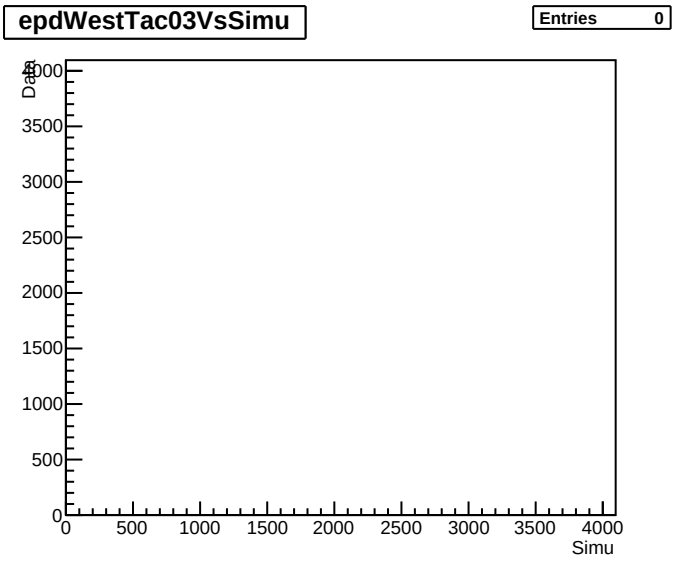
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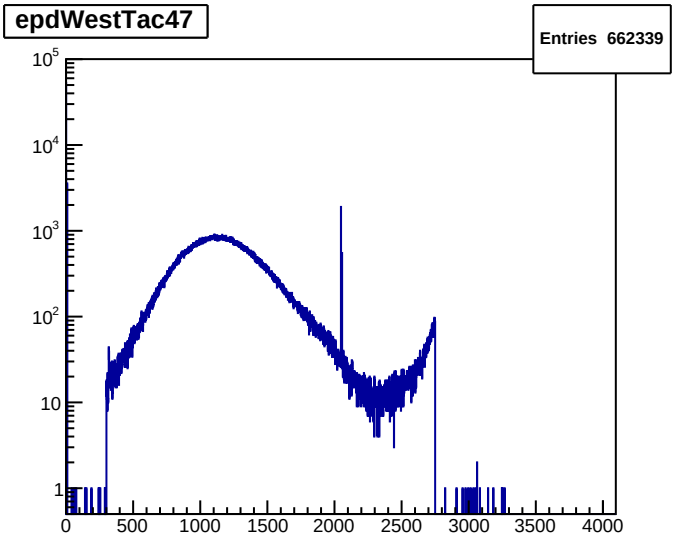
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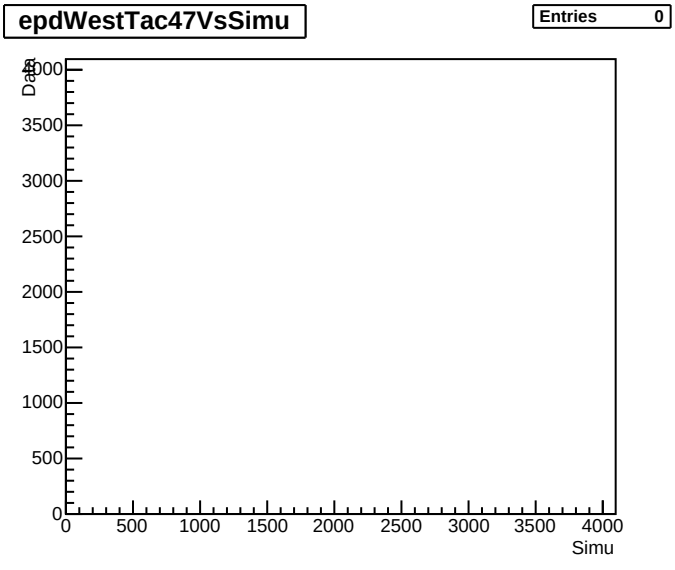
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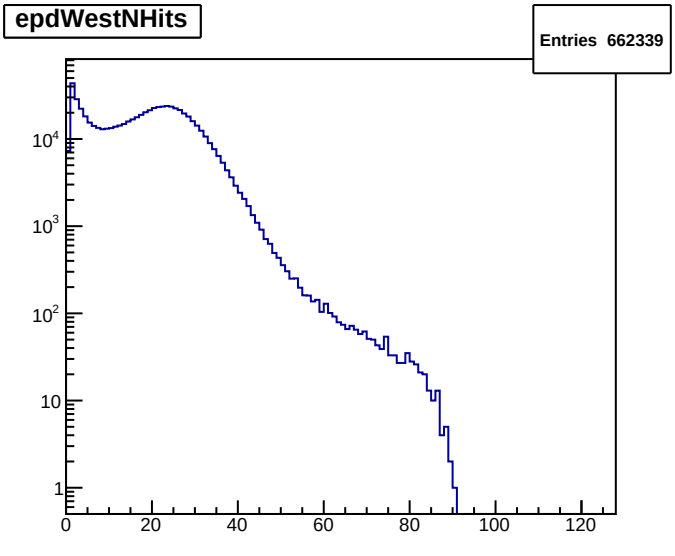
Simu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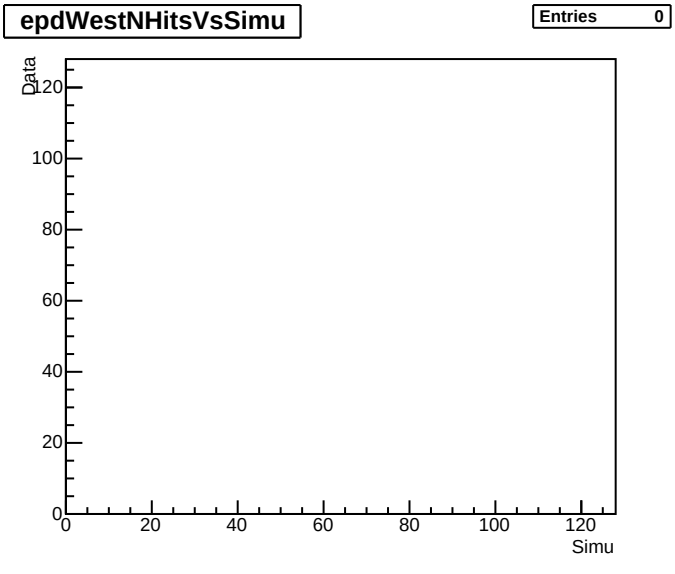
Entries 662339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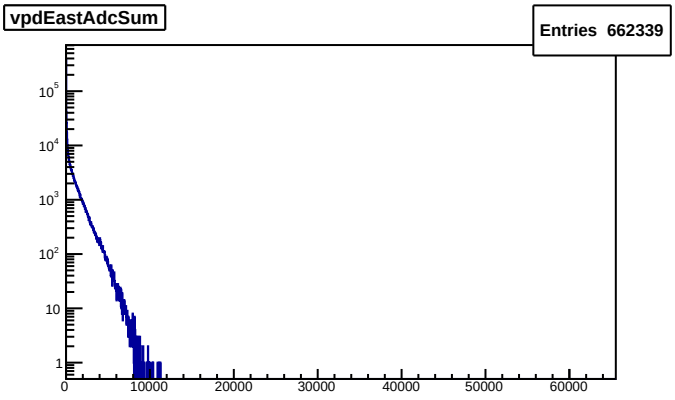
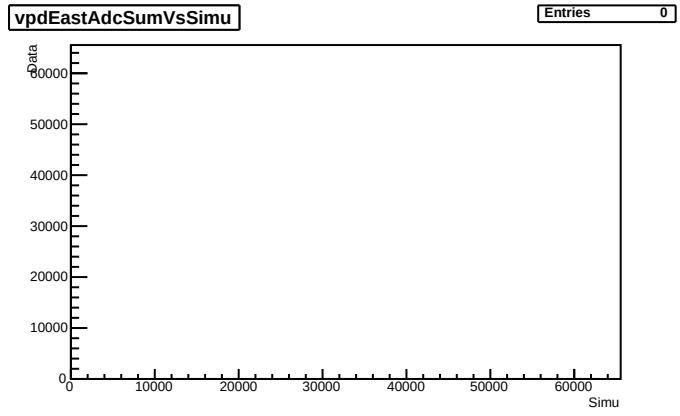
Entries 0
Data
Simu


vpdEastAdcSum
Entries 662339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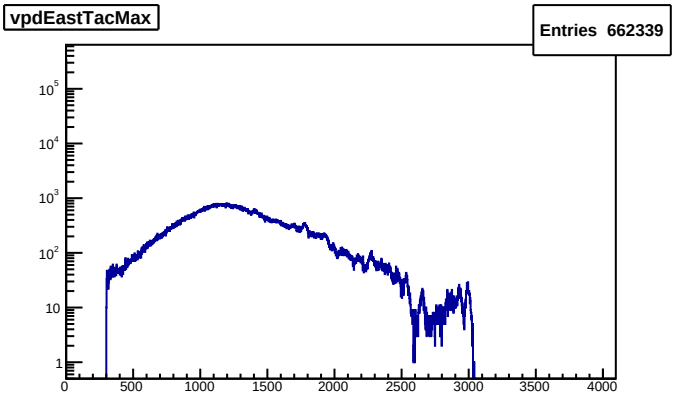
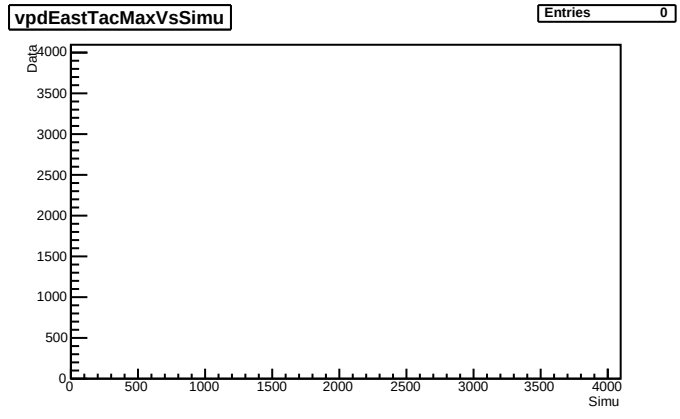
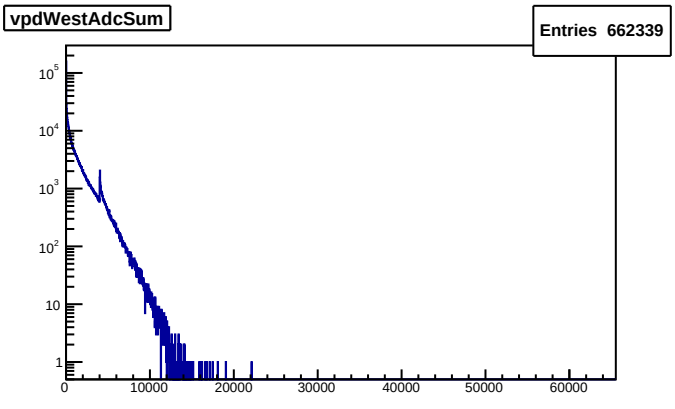
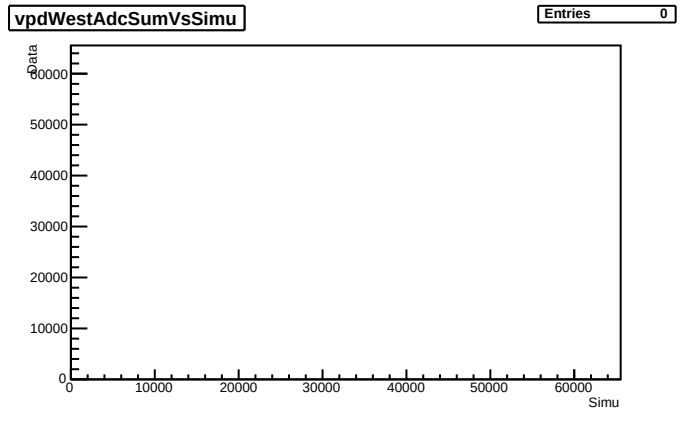
Entries 0
Data
Simu


vpdEastTacMax
Entries 662339


vpdEastTacMaxVsSimu
Entries 0
Data
Simu


vpdWestAdcSum
Entries 662339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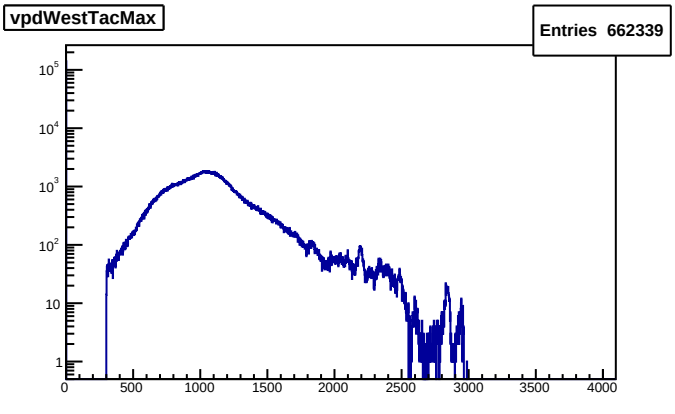
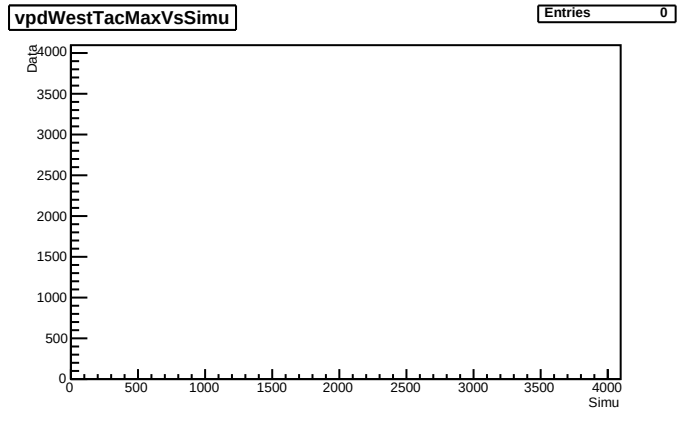
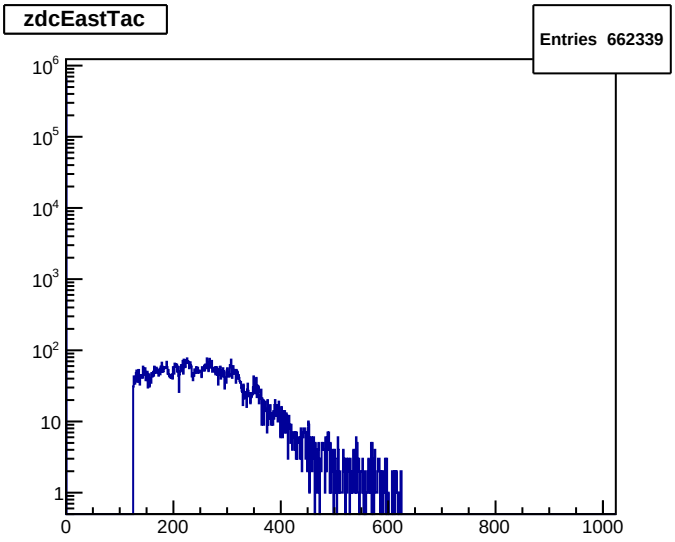
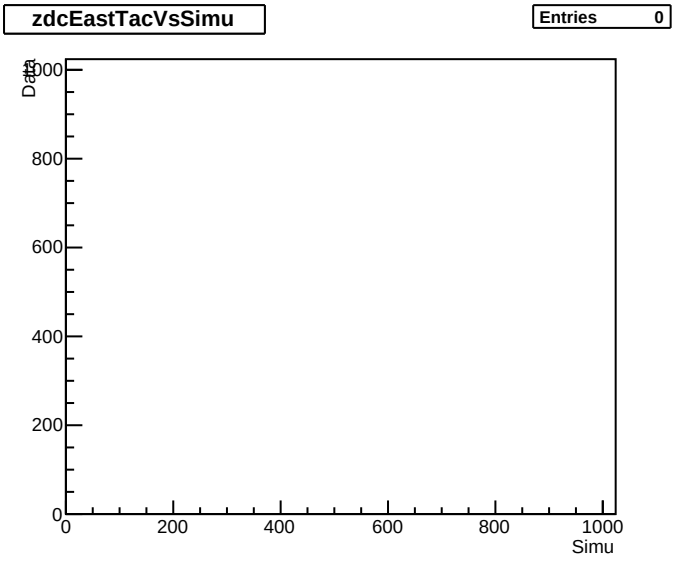
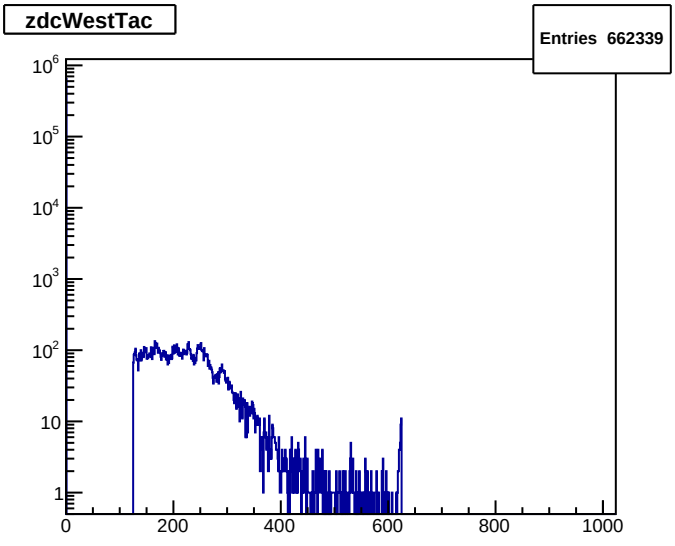
Entries 0
Data
Simu

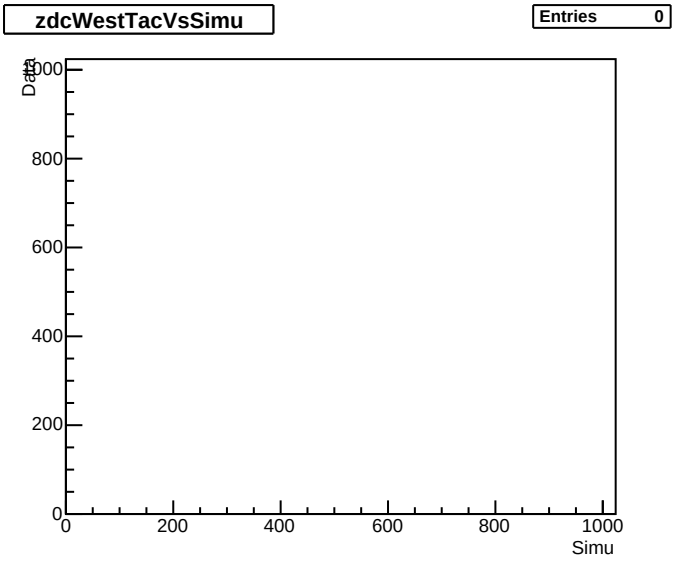

vpdWestTacMax
Entries 662339

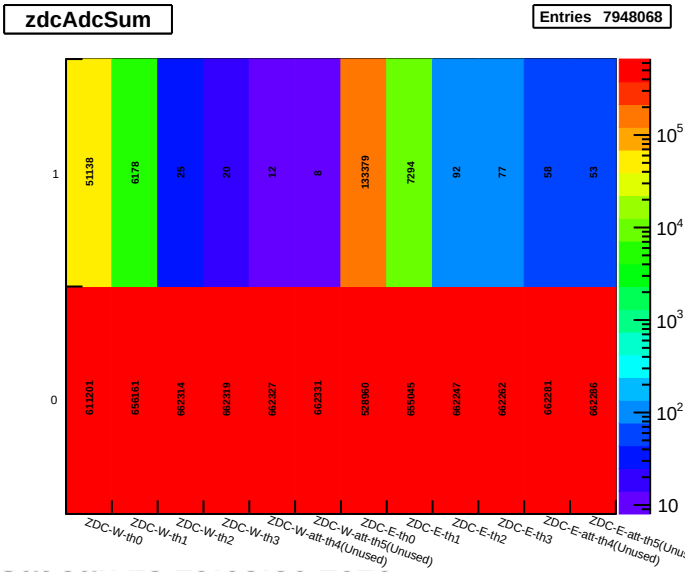

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

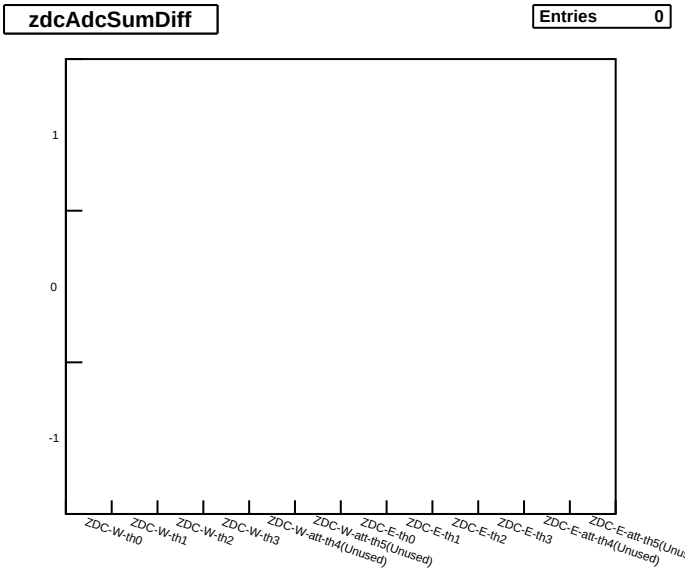

zdcEastTac
Entries 662339

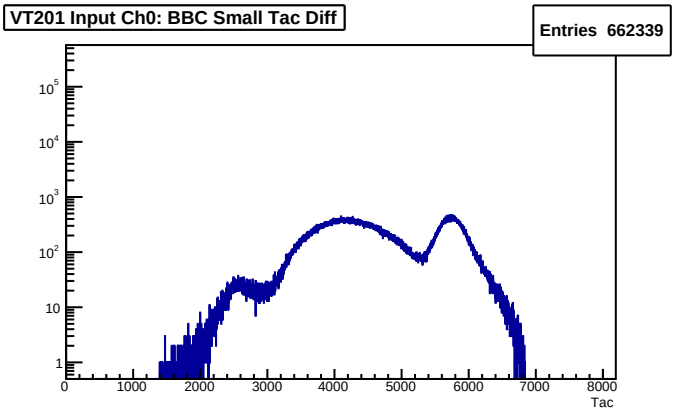

zdcEastTacVsSimu
Entries 0
Data
Simu

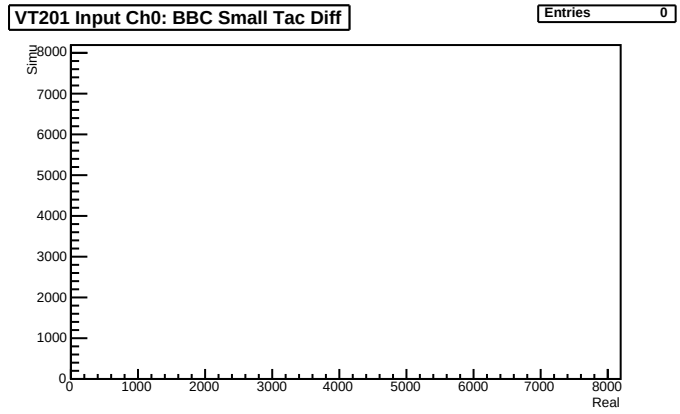

zdcWestTac
Entries 662339

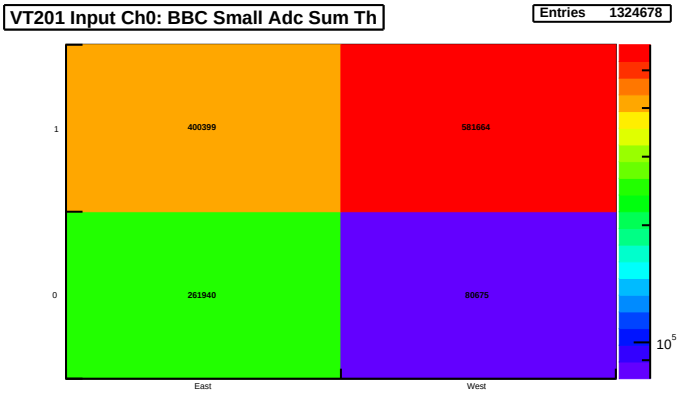

zdcWestTacVsSimu
Entries 0
Data
Simu

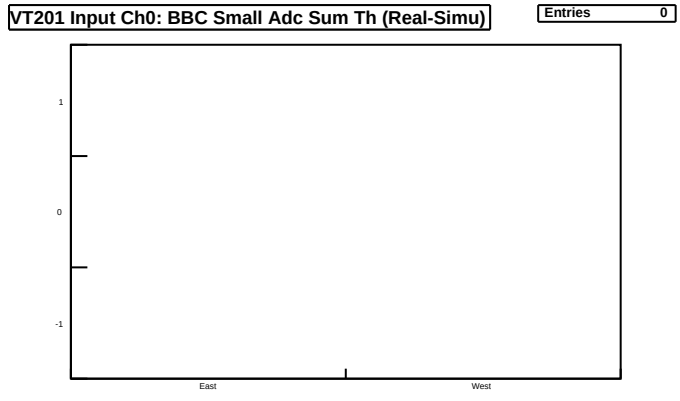

zdcAdcSum
Entries 7948068
51138
6178
25
20
12
8
133379
7294
92
77
58
53
611201
656161
662314
662319
662327
662331
528960
655045
662247
662262
662281
662286
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

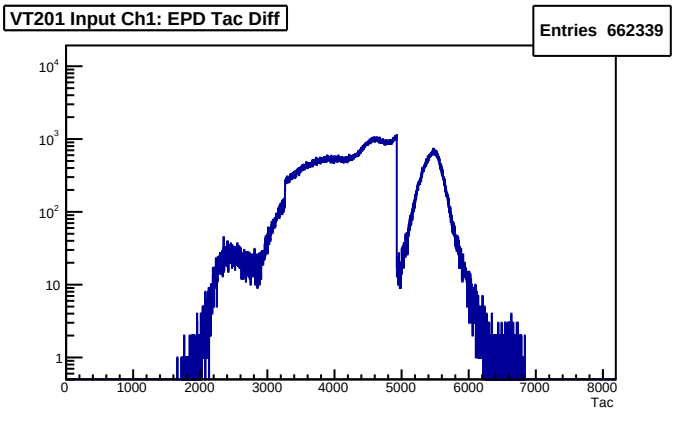

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

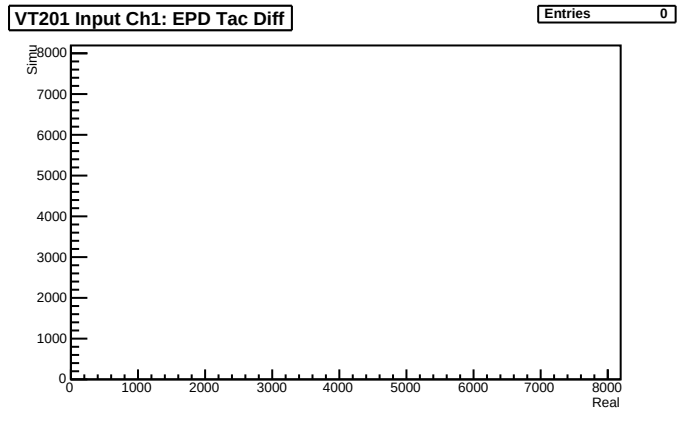

VT201 Input Ch0: BBC Small Tac Diff
Entries 662339
Tac

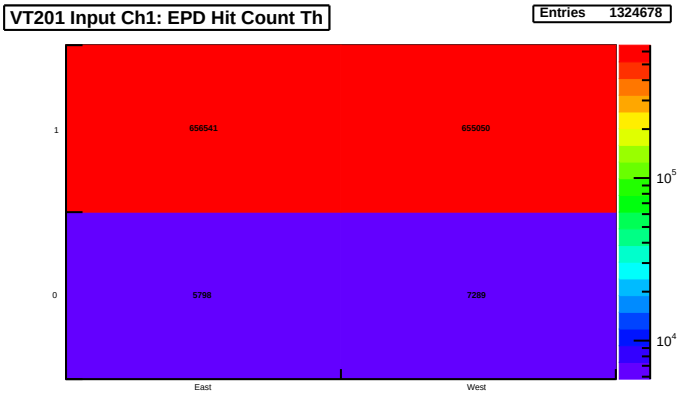

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

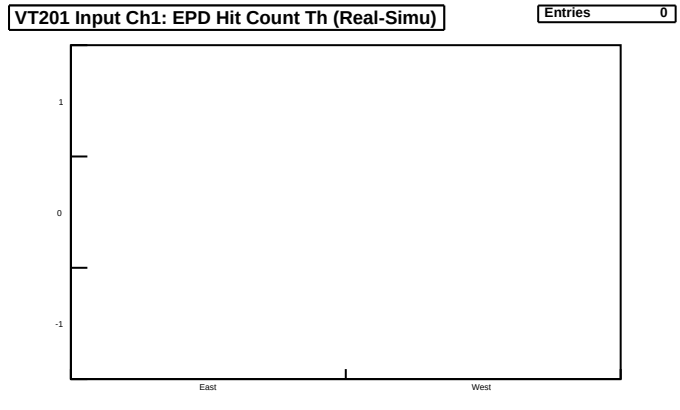

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1324678
400399
581664
261940
80675
East
West

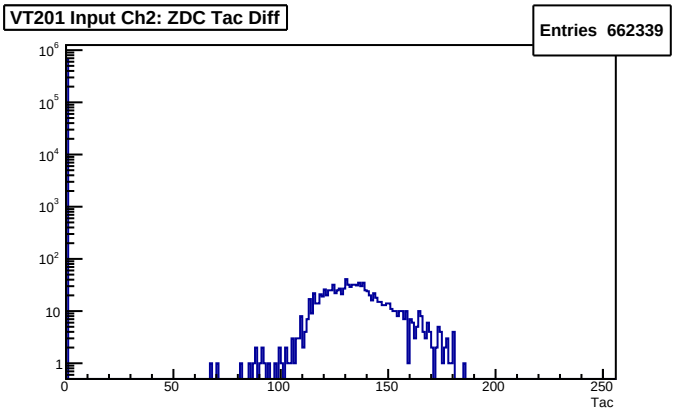

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

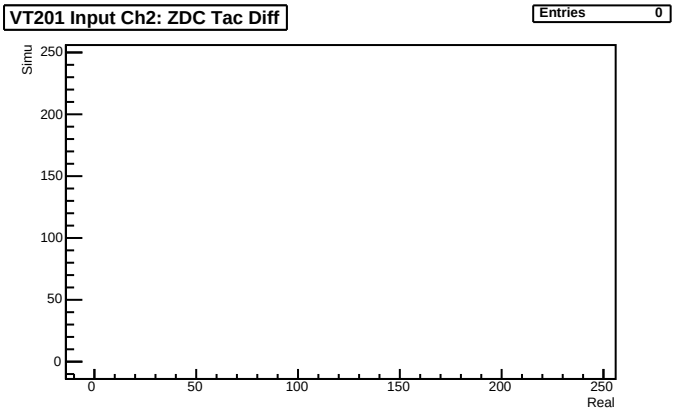

VT201 Input Ch1: EPD Tac Diff
Entries 662339
Tac

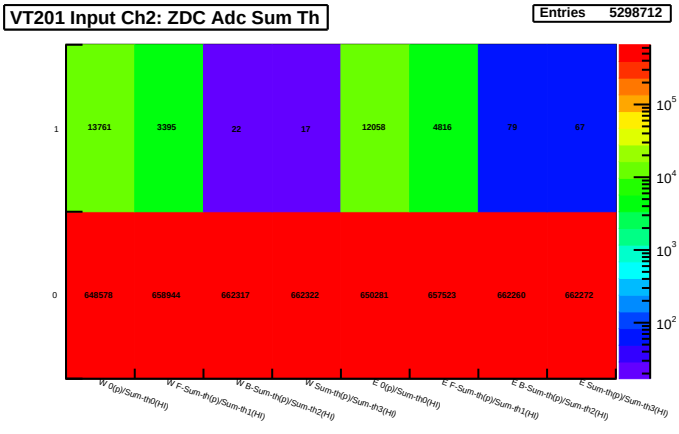

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

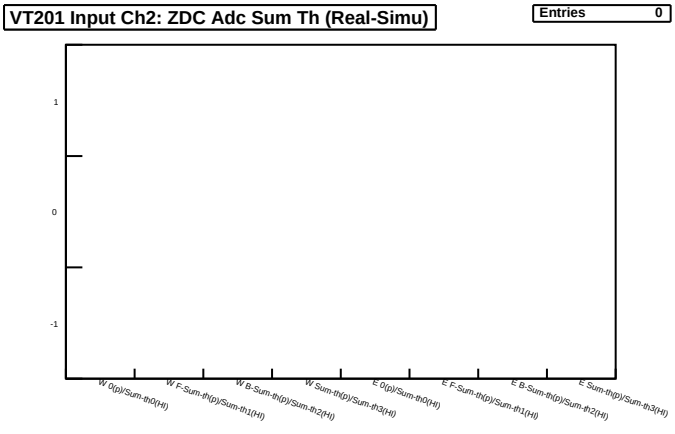

VT201 Input Ch1: EPD Hit Count Th
Entries 1324678
656541
655050
5798
7289
East
West

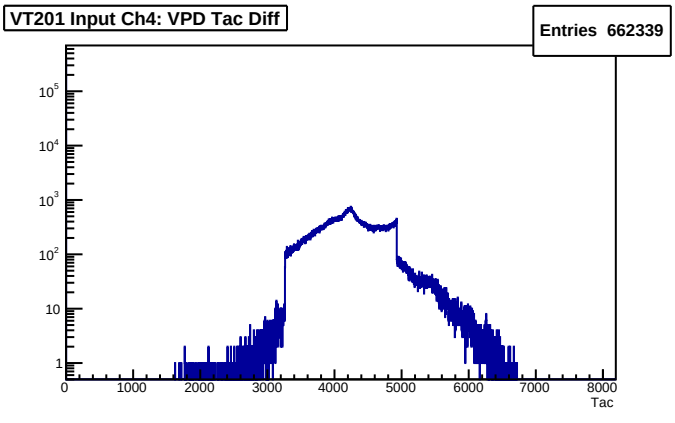

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

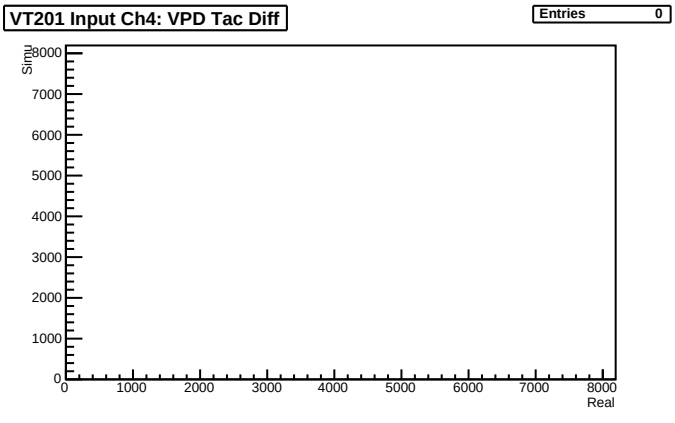

VT201 Input Ch2: ZDC Tac Diff
Entries 662339
Tac

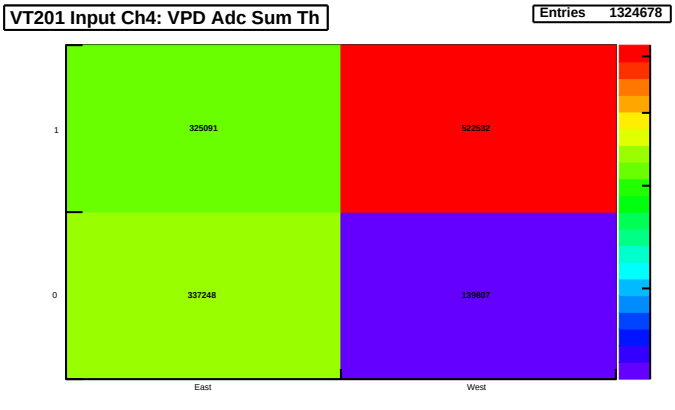

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

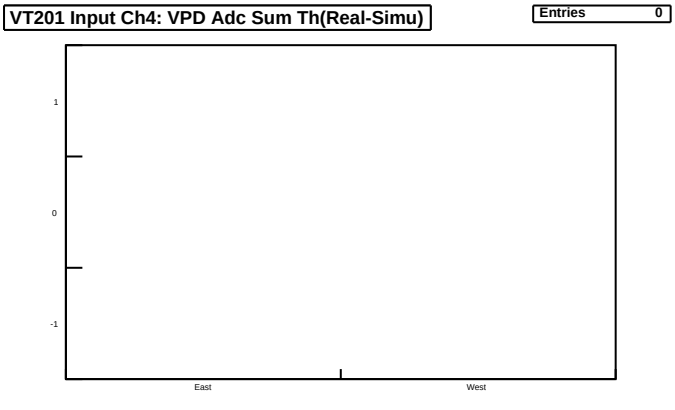

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5298712
13761
3395
22
17
12058
4816
79
67
648578
658944
662317
662322
650281
657523
662260
662272
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

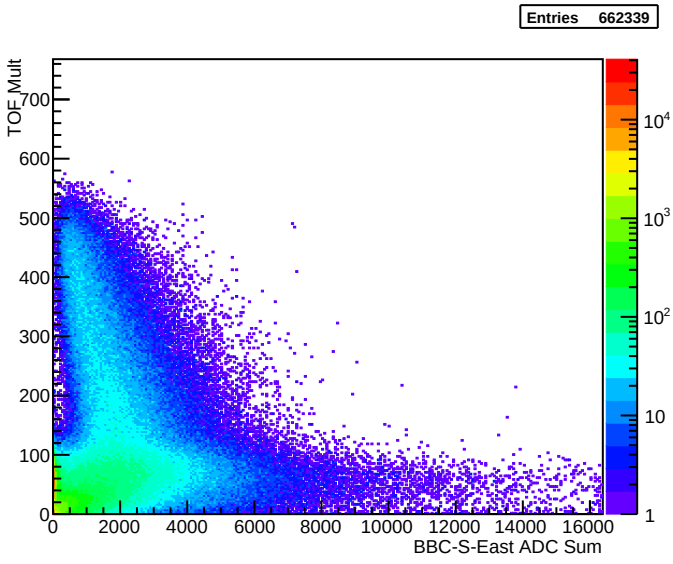

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

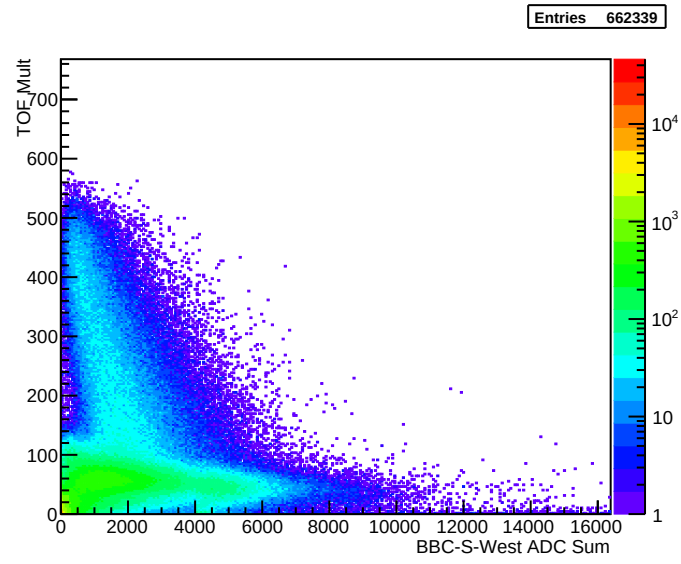

VT201 Input Ch4: VPD Tac Diff
Entries 662339
Tac

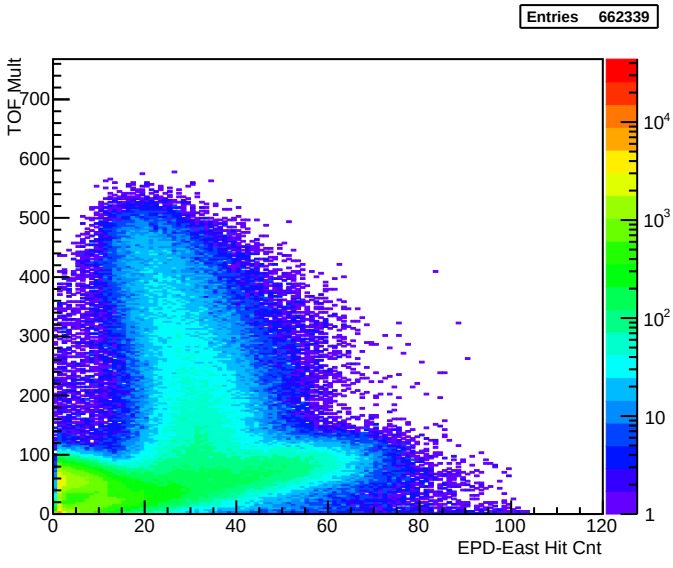

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

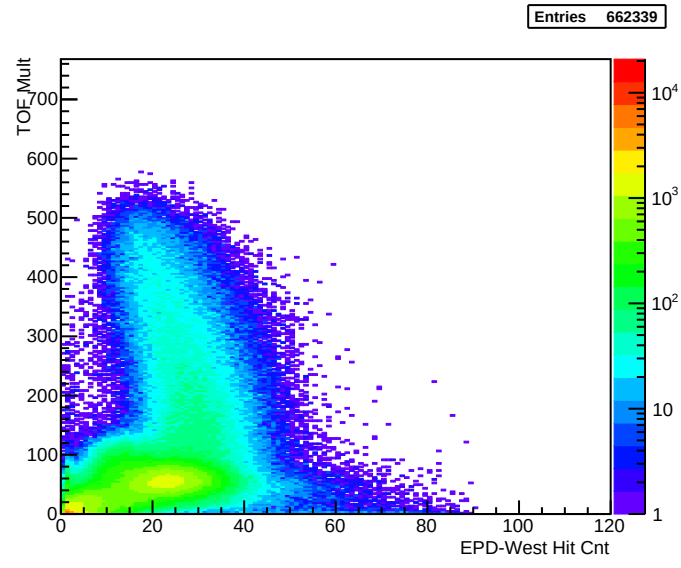

VT201 Input Ch4: VPD Adc Sum Th
Entries 1324678
325091
522532
337248
139807
East
West

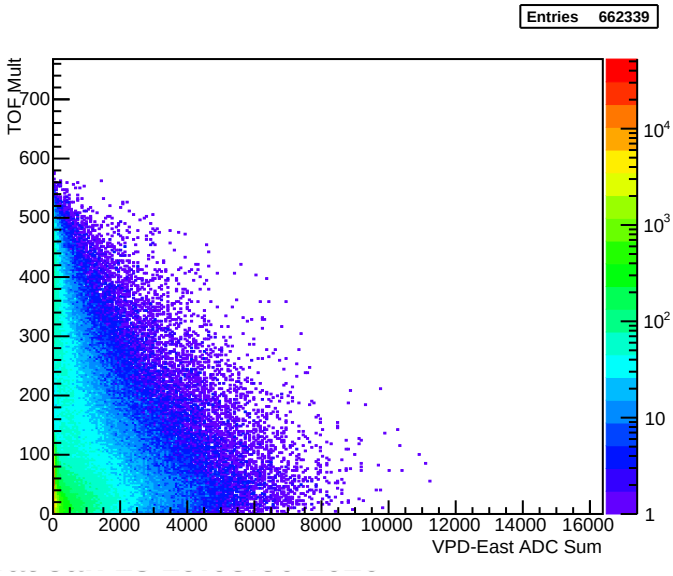

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

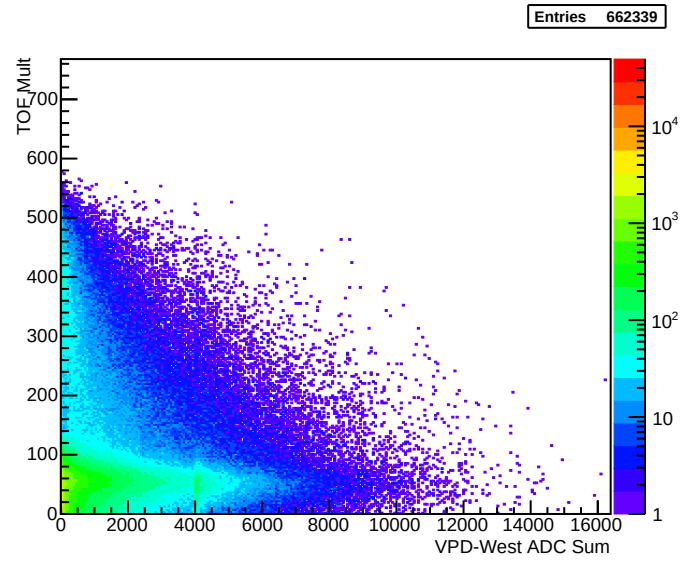

Entries 662339
TOF_Mult
BBC-S-East ADC Sum

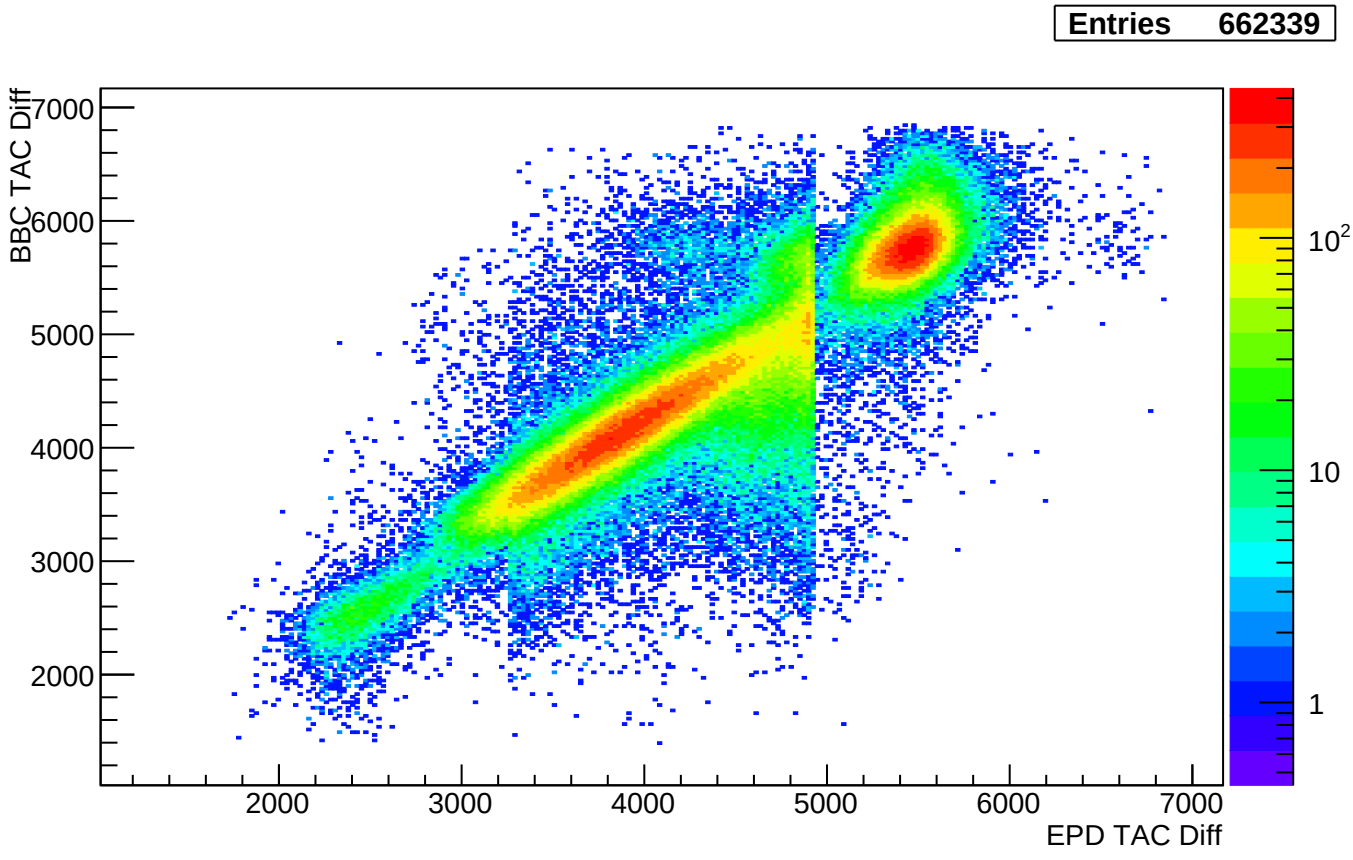

Entries 662339
TOF_Mult
BBC-S-West ADC Sum

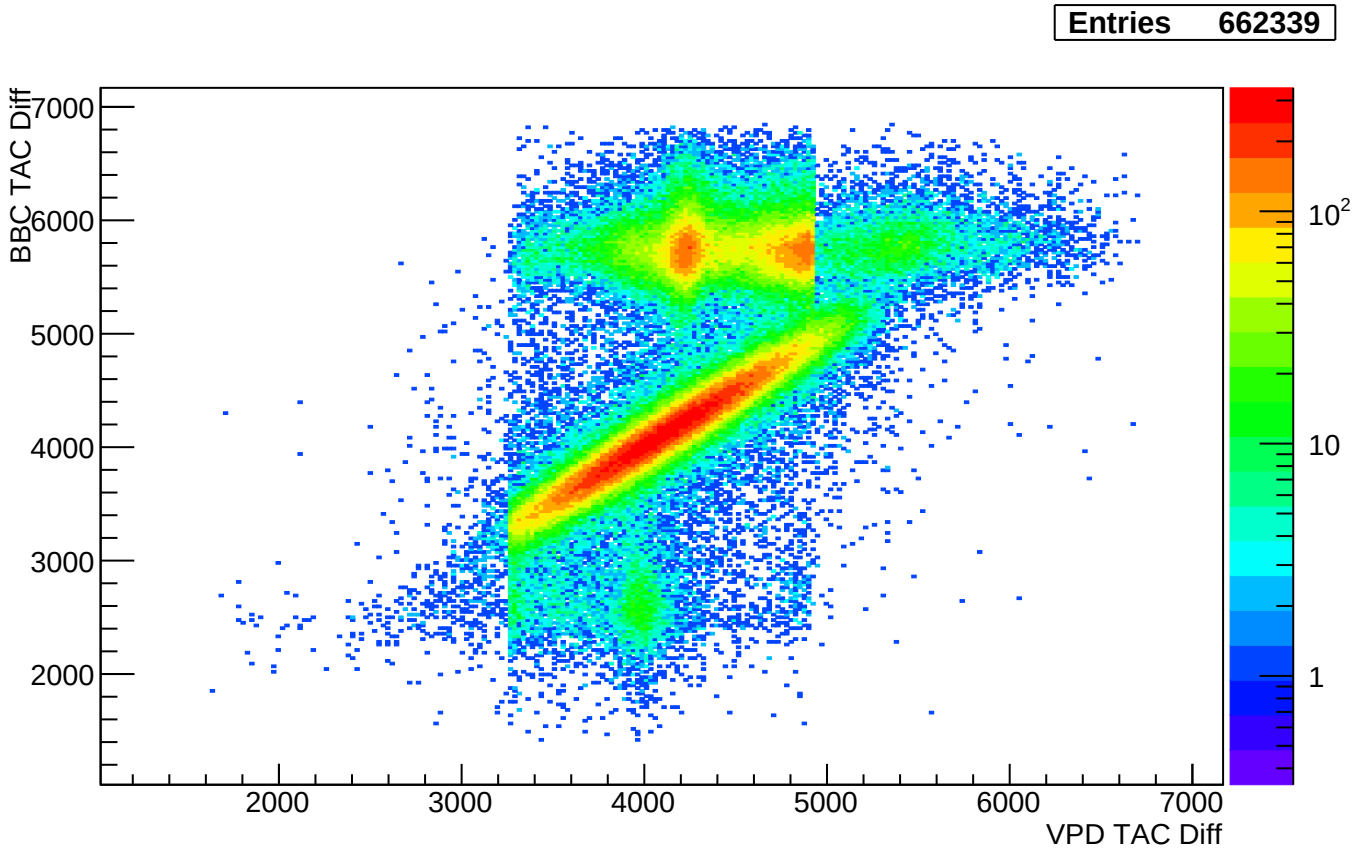

Entries 662339
TOF_Mult
EPD-East Hit Cnt

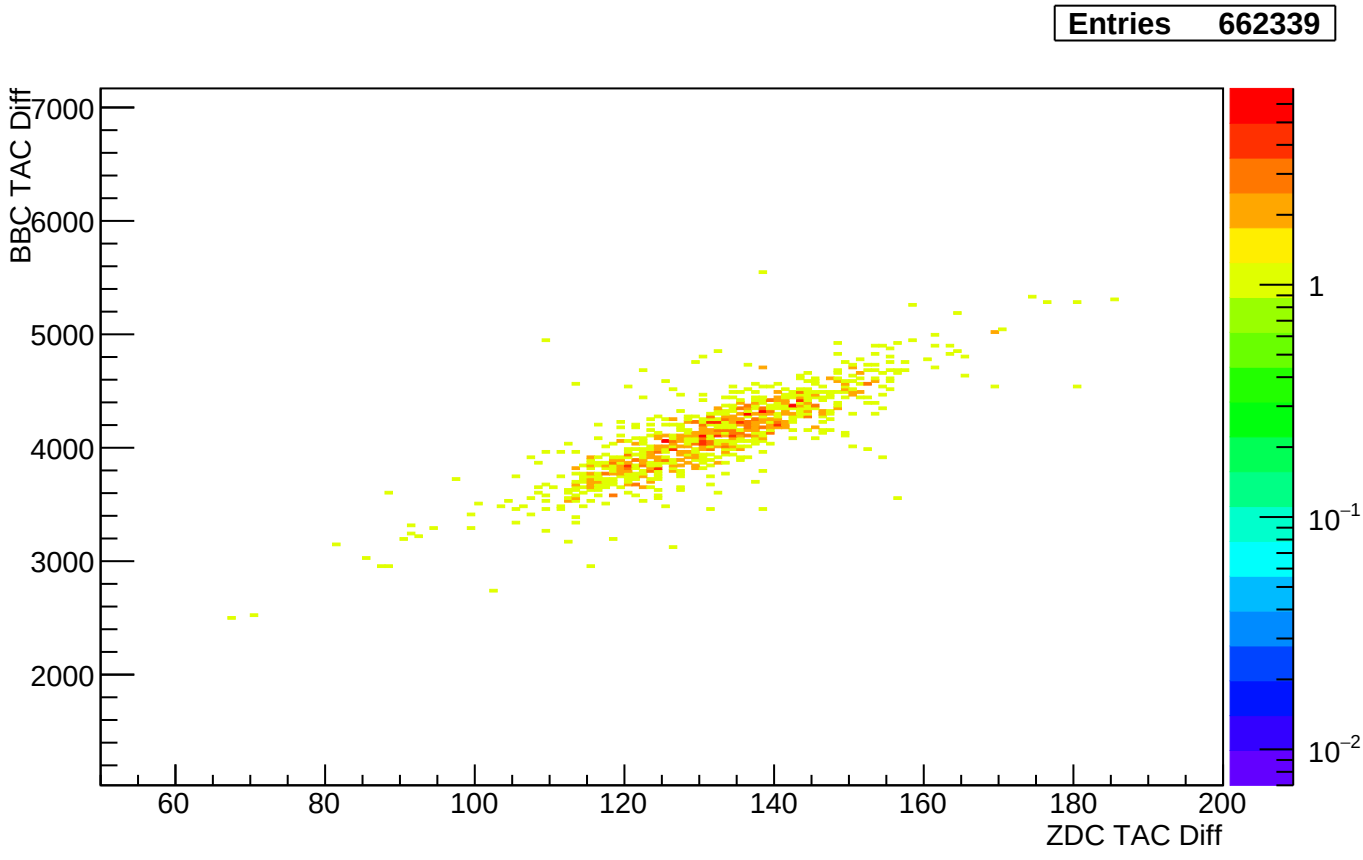

Entries 662339
TOF_Mult
EPD-West Hit Cnt

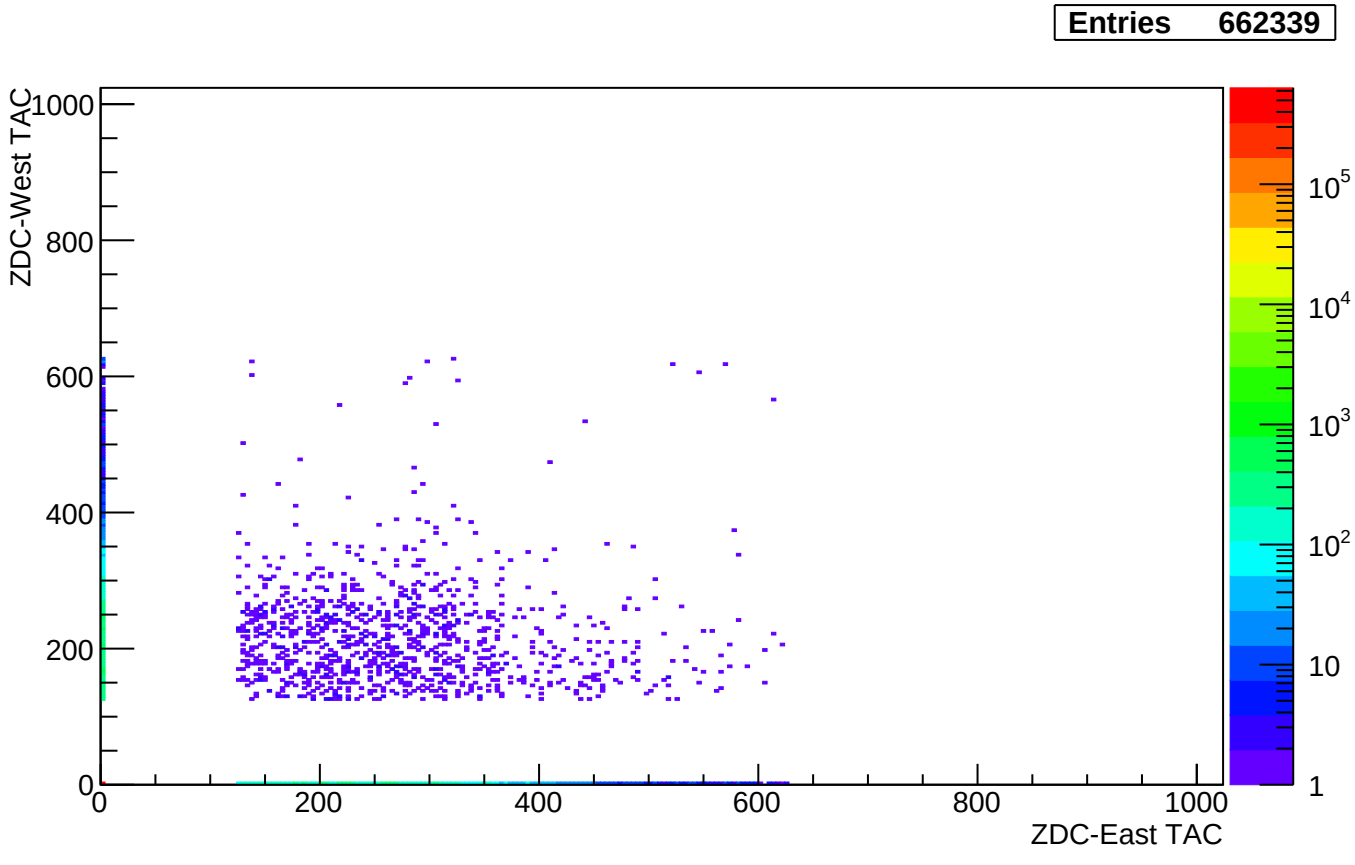

Entries 662339
TOF_Mult
VPD-East ADC Sum

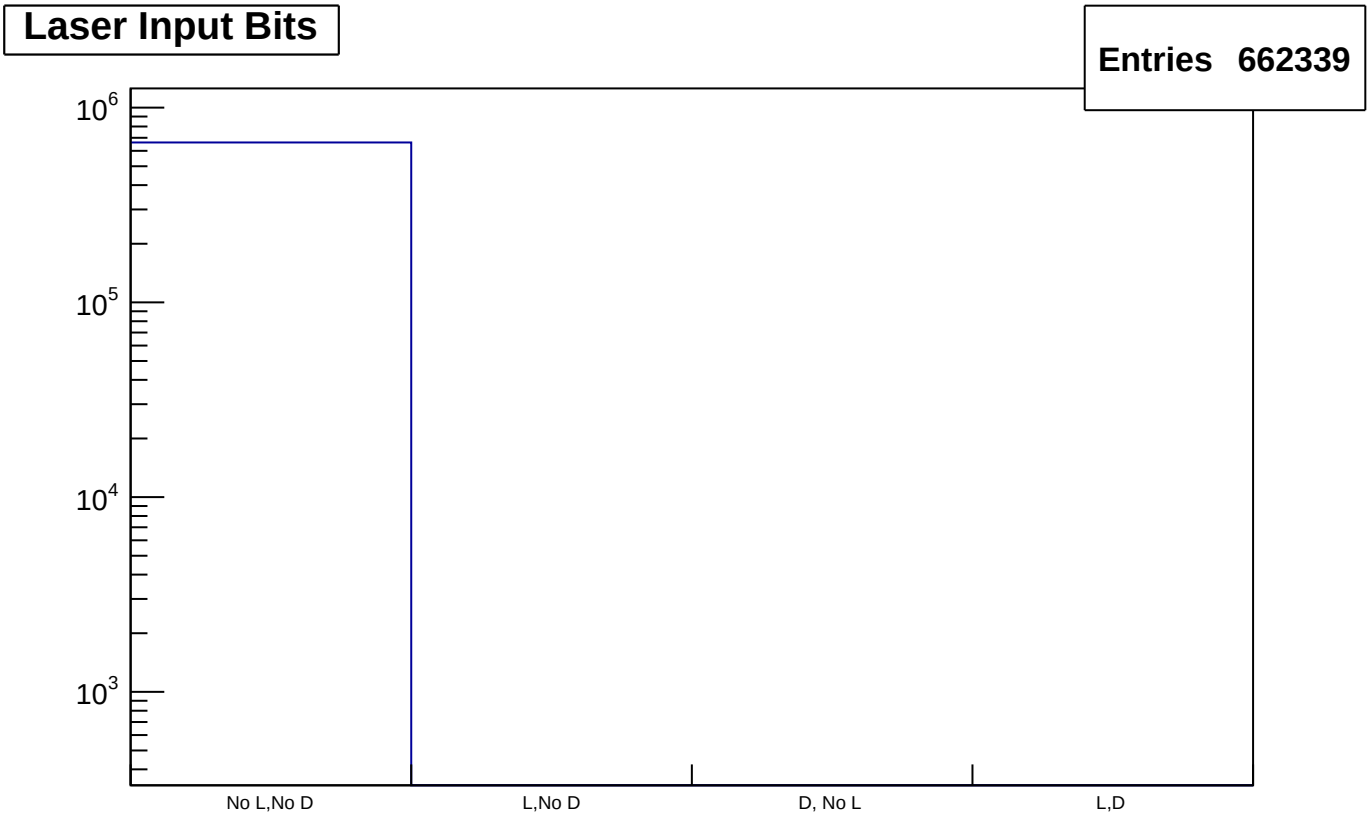

Entries 662339
TOF_Mult
VPD-West ADC Sum

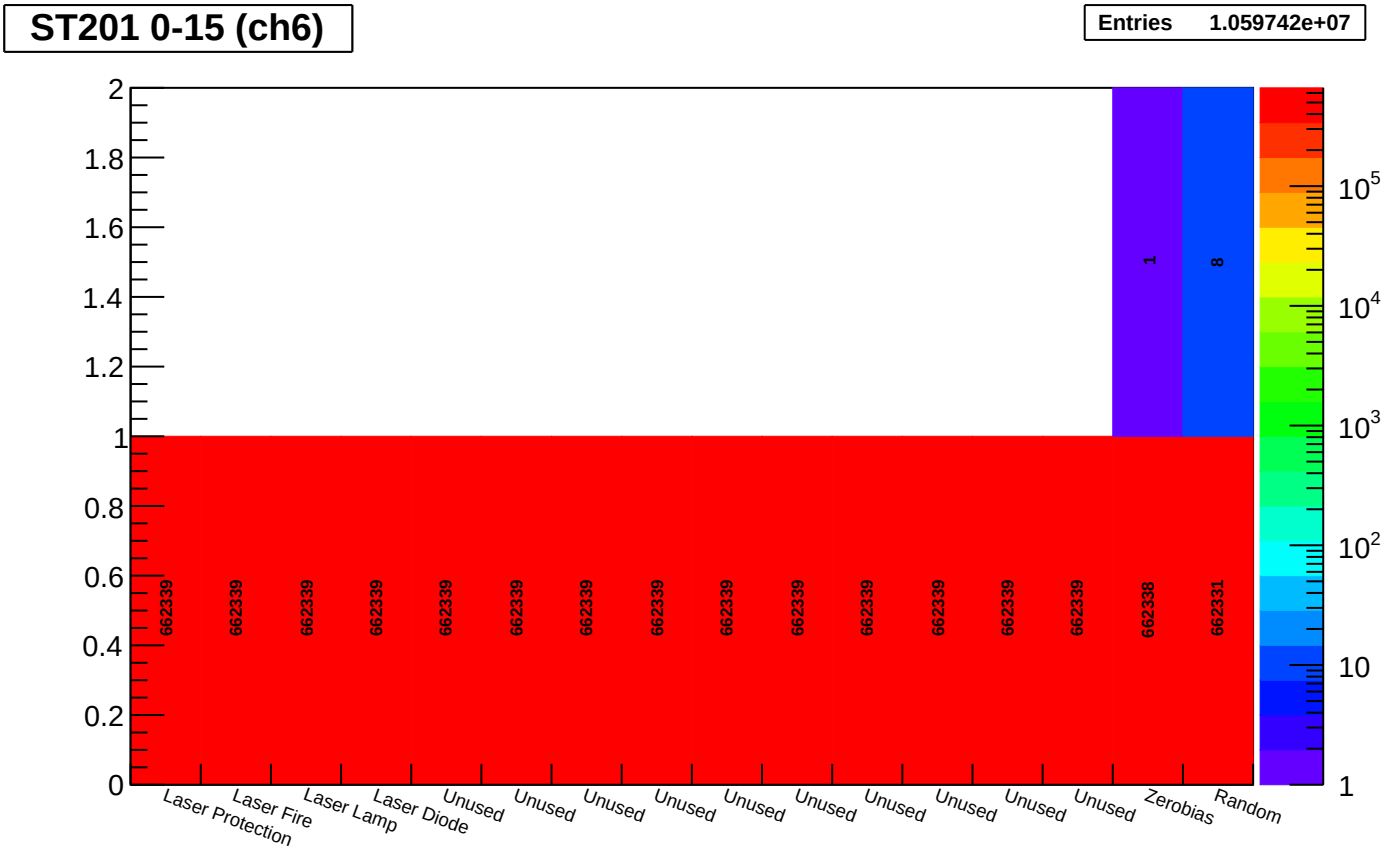

Entries 662339
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

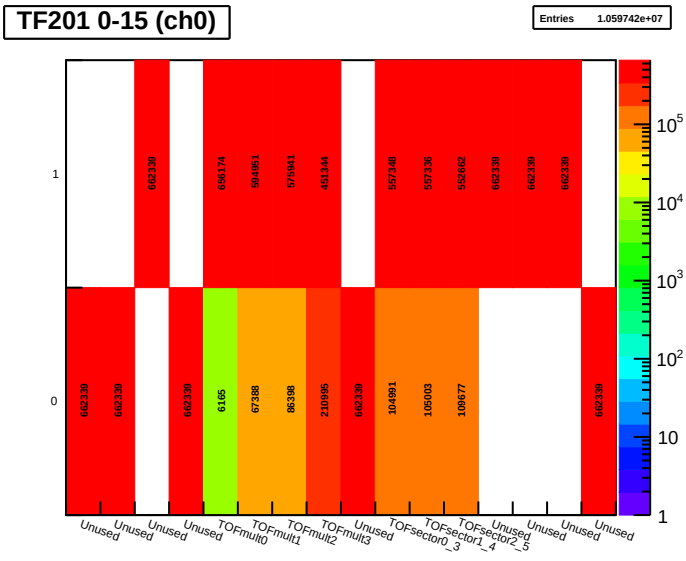

Entries 662339
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

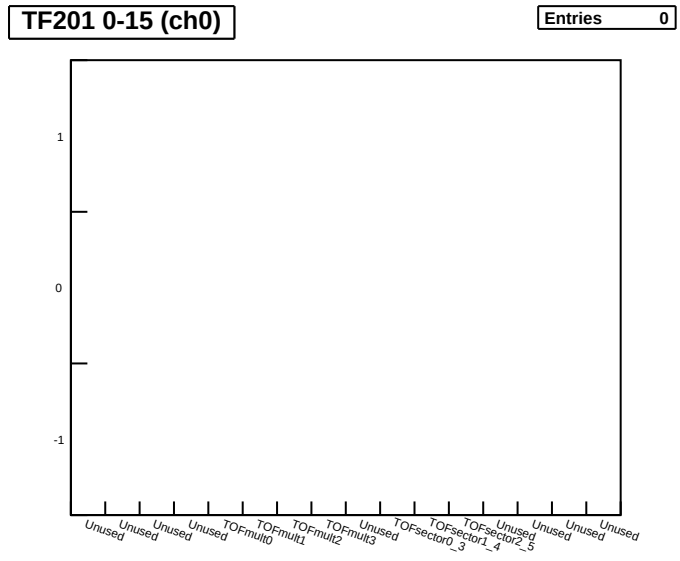

Entries 662339
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

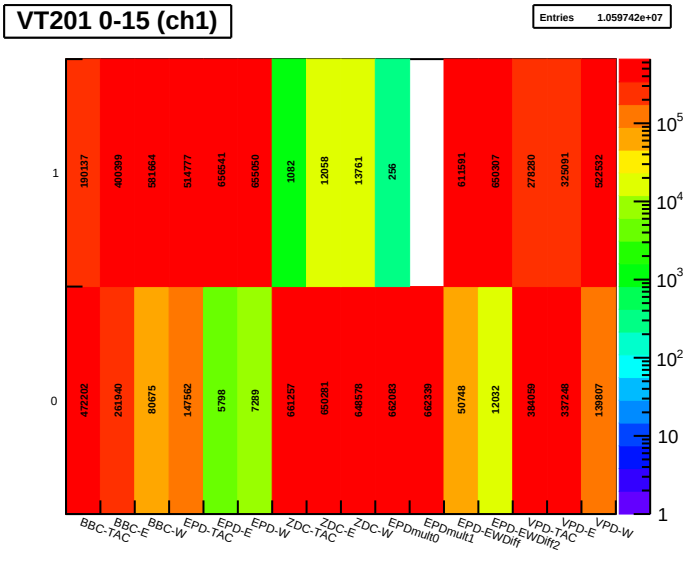

Entries 662339
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

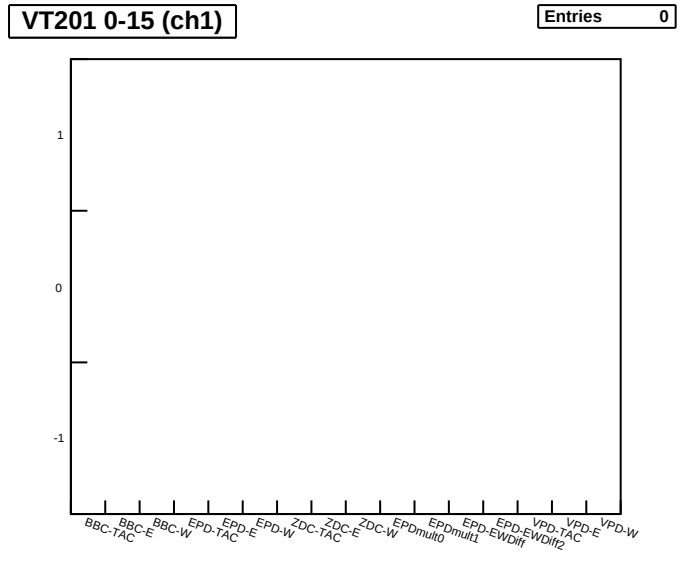

Laser Input Bits
Entries 662339
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

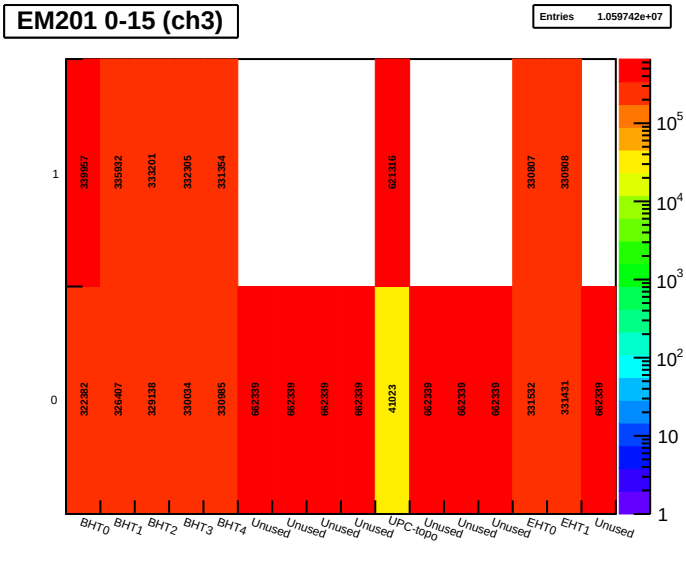

ST201 0-15 (ch6)
Entries 1.059742e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
662339
662339
662339
662339
662339
662339
662339
662339
662339
662339
662339
662339
662339
662339
662338
662331
1
8
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

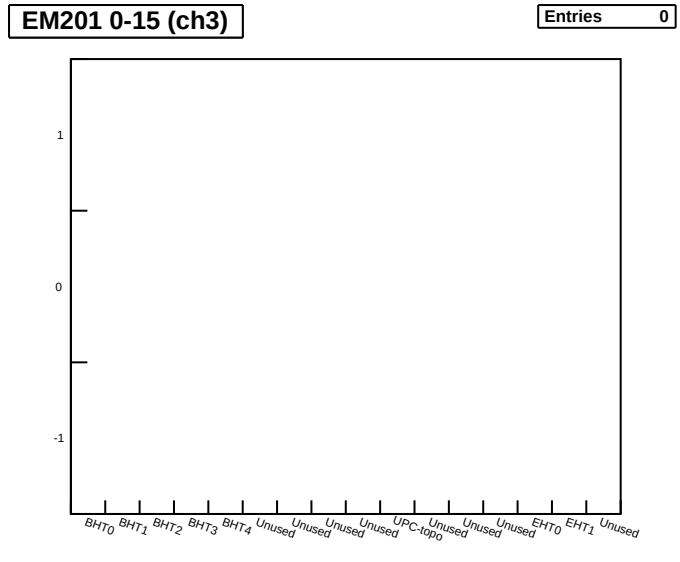

TF201 0-15 (ch0)
Entries 1.059742e+07
662339 656174 594951 576941 451344 557348 557336 552662 662339 662339 662339
662339 662339 662339 61165 67388 86398 210995 662339 104991 105003 109677 662339
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
1
0
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 1.059742e+07
190137 400399 581664 514777 656541 655050 1082 12058 13761 256 611591 650307 278250 325091 522532
472202 261940 80675 147562 5798 7289 661257 650281 648578 662083 662339 50748 12032 384059 337248 139807
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
0
10^5
10^4
10^3
10^2
10
1


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


EM201 0-15 (ch3)
Entries 1.059742e+07
339967 335932 332201 332305 331354 621316 330607 330908
322382 326407 329138 330034 330985 662339 662339 662339 662339 41023 662339 662339 662339 331532 331431 662339
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1
0
10^5
10^4
10^3
10^2
10
1


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