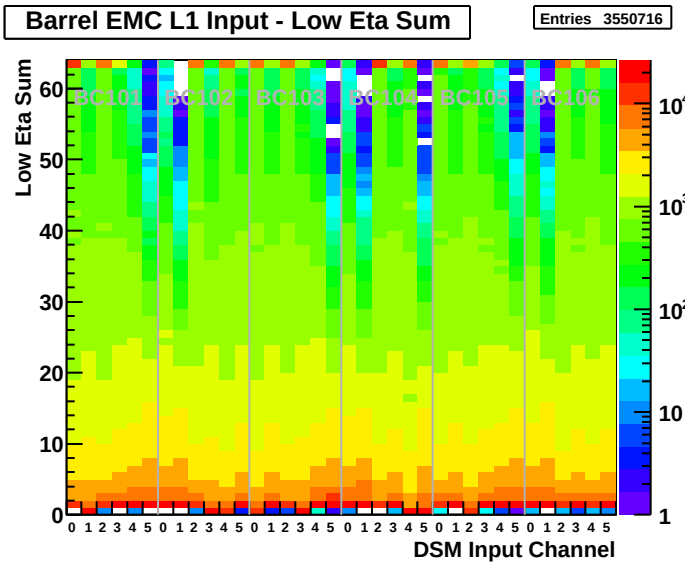
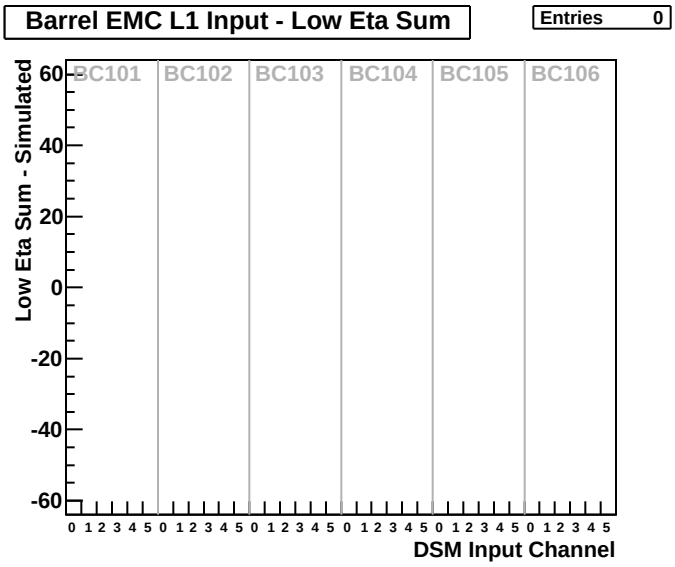
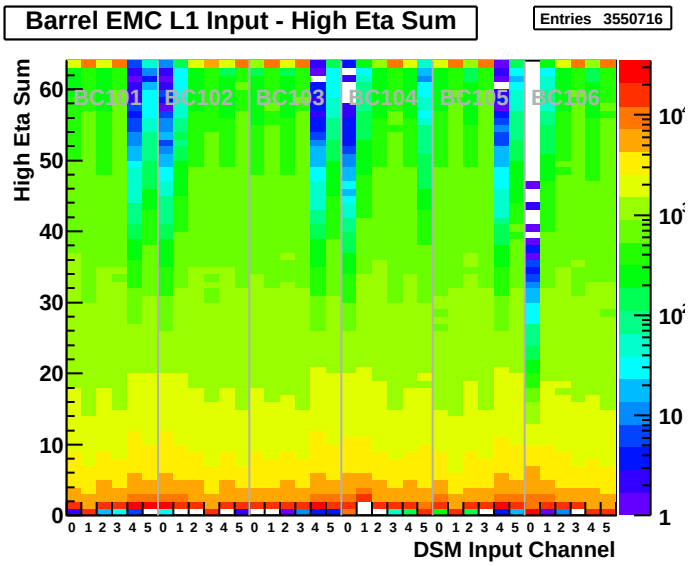
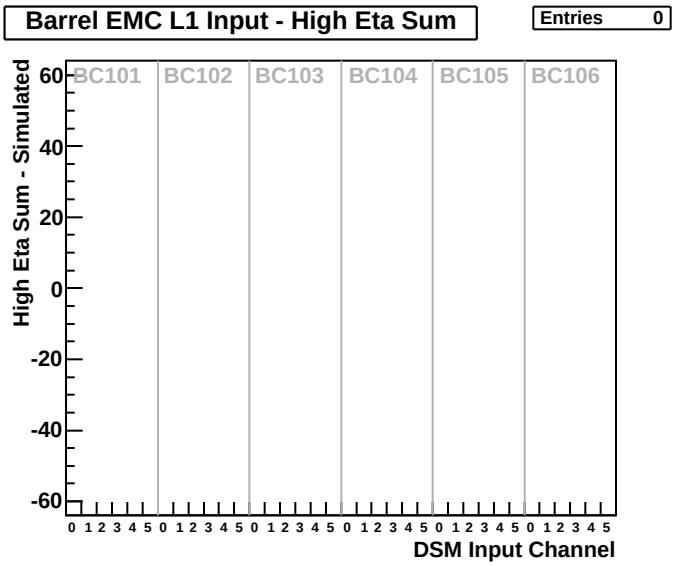
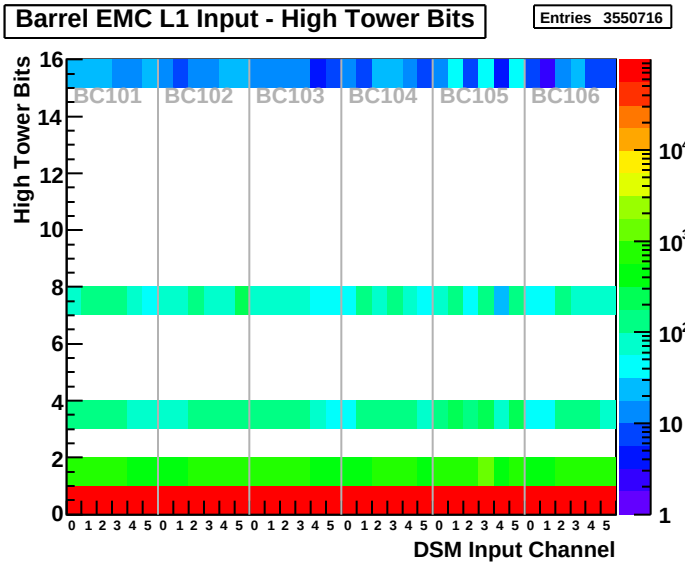
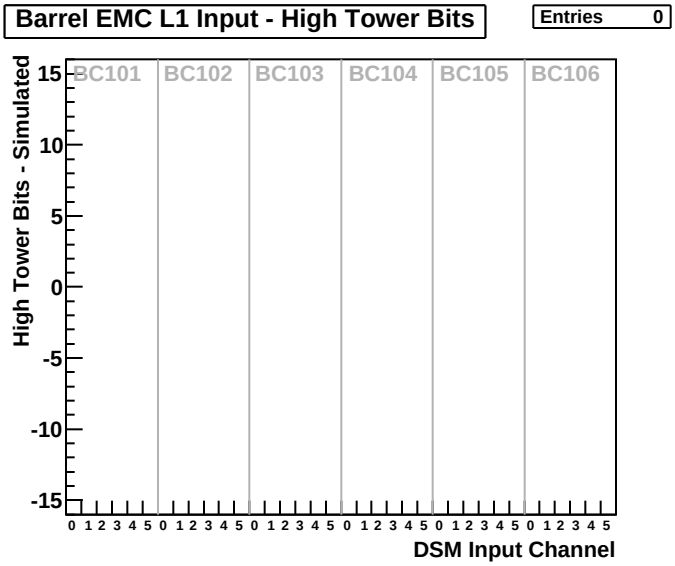

Barrel EMC L1 Input - Low Eta Sum
Entries 3550716
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

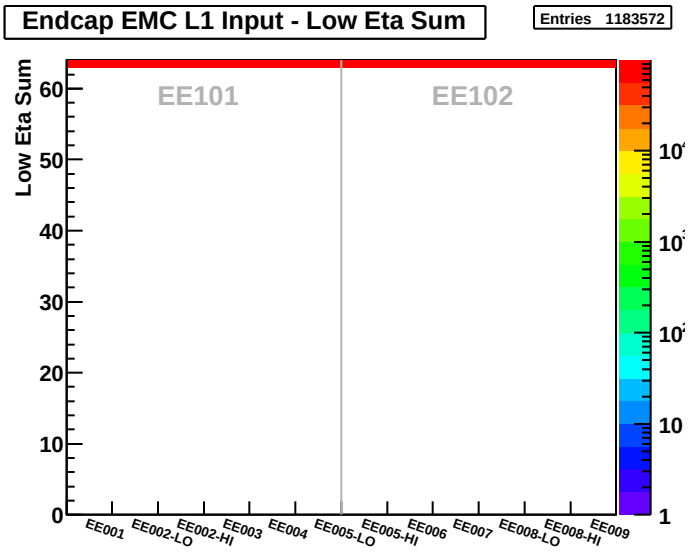

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

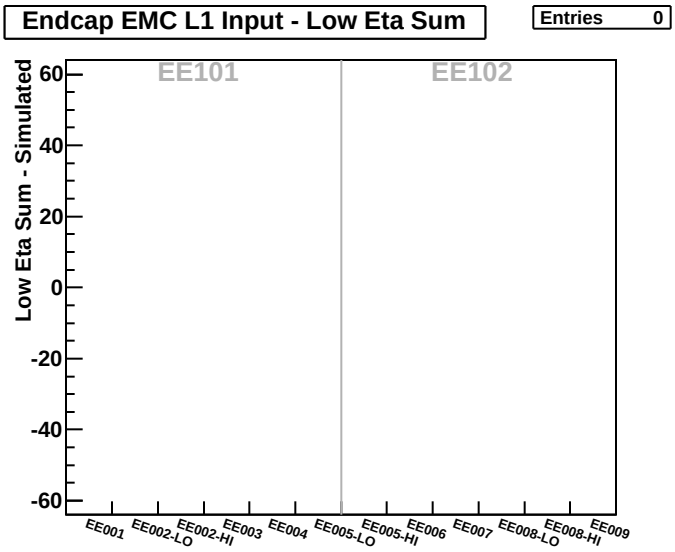

Barrel EMC L1 Input - High Eta Sum
Entries 3550716
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

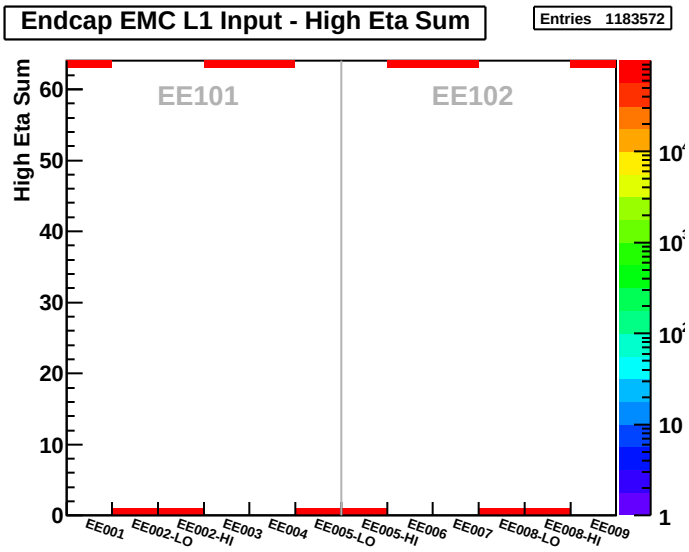

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

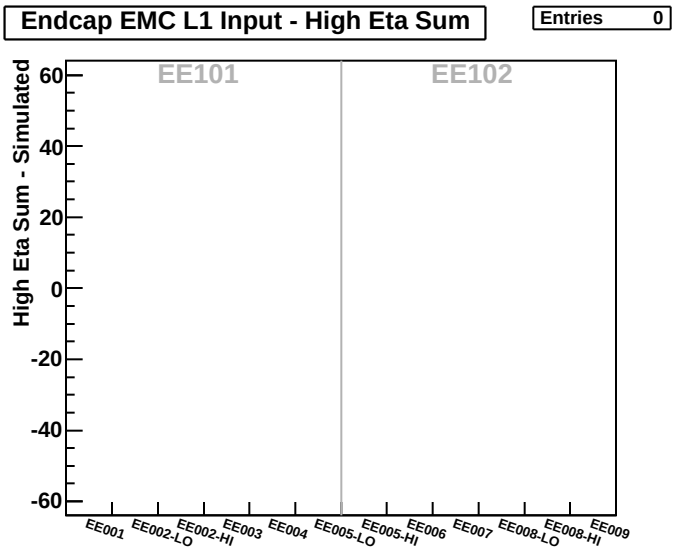

Barrel EMC L1 Input - High Tower Bits
Entries 3550716
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

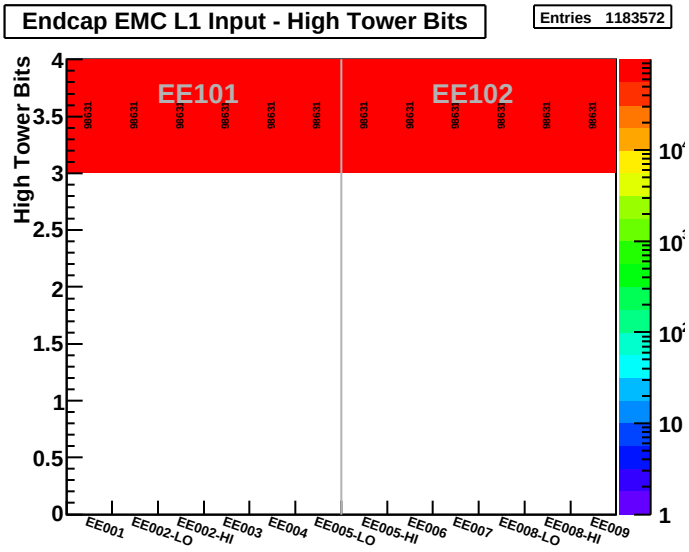

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

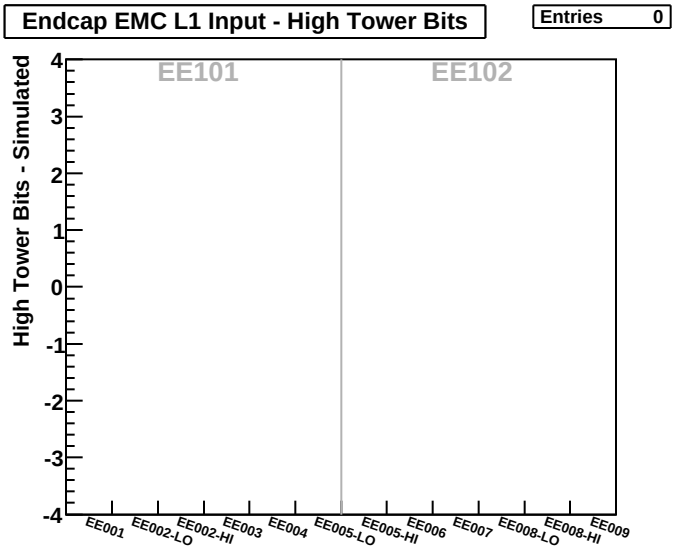

Endcap EMC L1 Input - Low Eta Sum
Entries 1183572
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

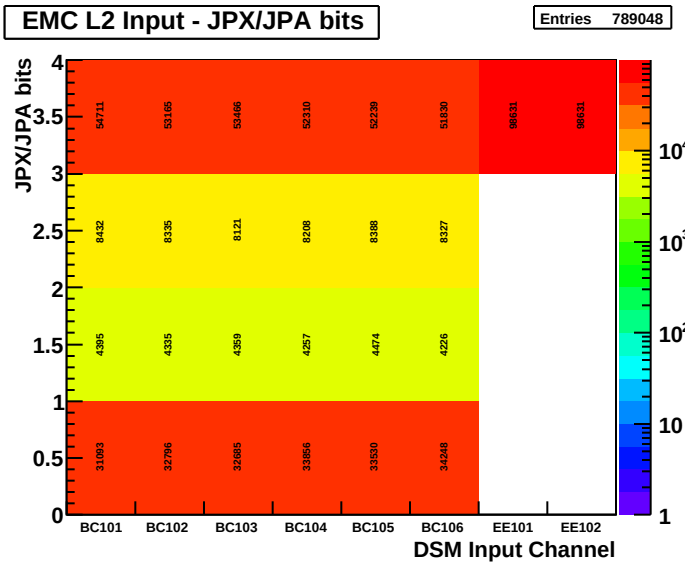

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

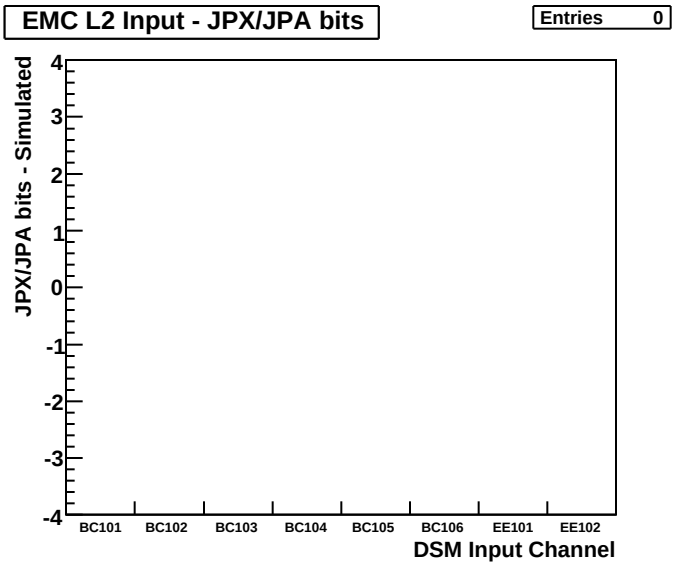

Endcap EMC L1 Input - High Eta Sum
Entries 1183572
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

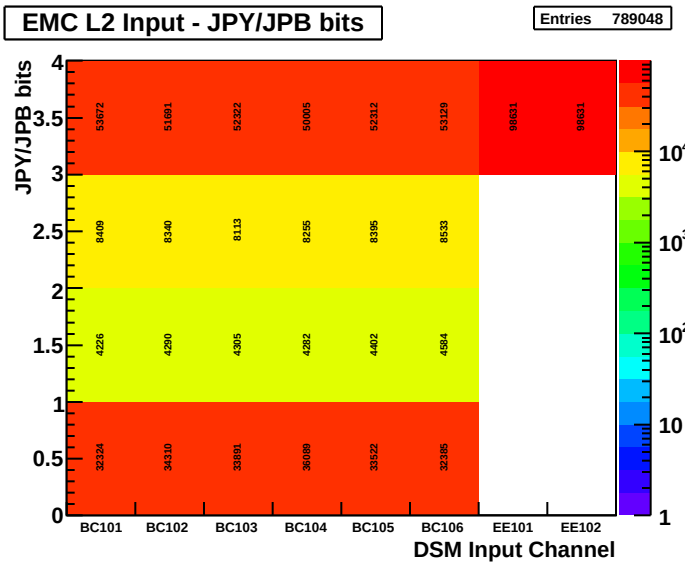

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

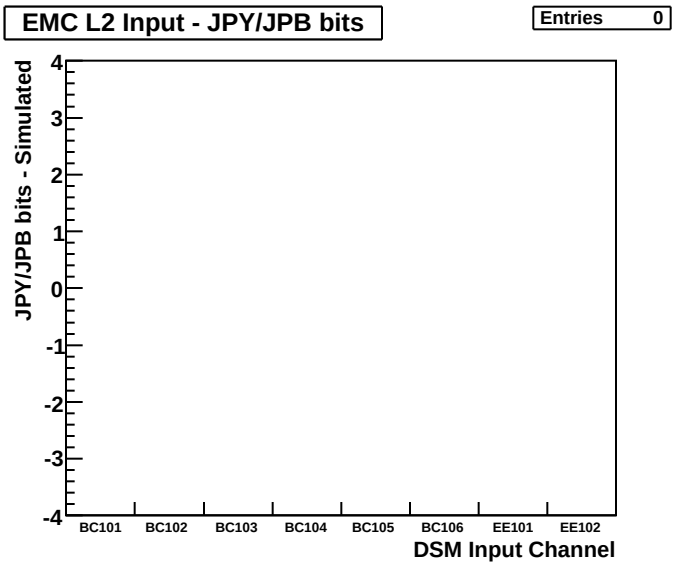

Endcap EMC L1 Input - High Tower Bits
Entries 1183572
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

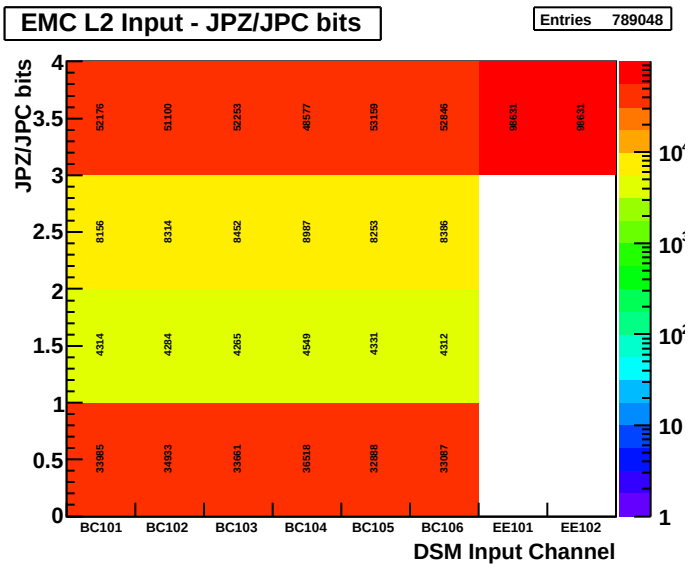

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

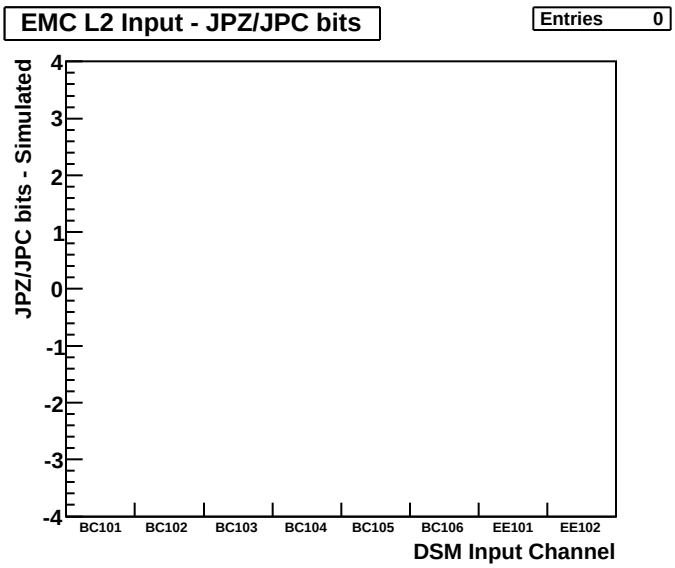

EMC L2 Input - JPX/JPA bits
Entries 789048
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
54711 53165 53466 52310 52239 51830 98631 98631
8432 8335 8121 8208 8388 8327
4395 4335 4359 4257 4474 4226
31093 32796 32685 33856 33530 34248

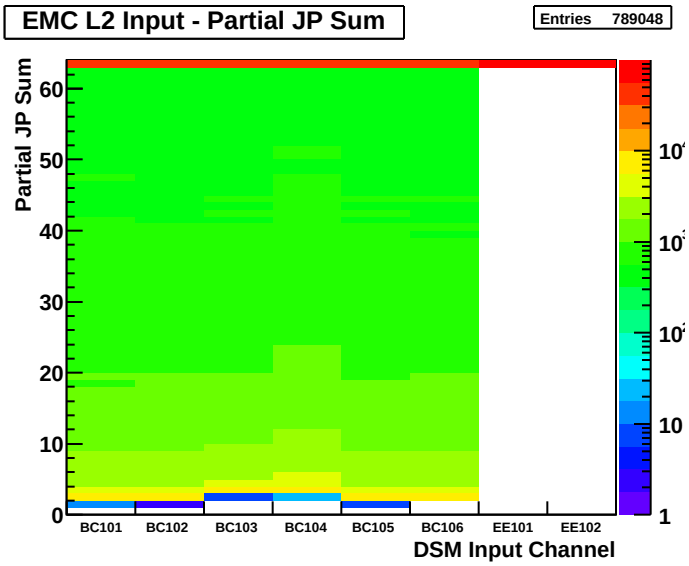

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

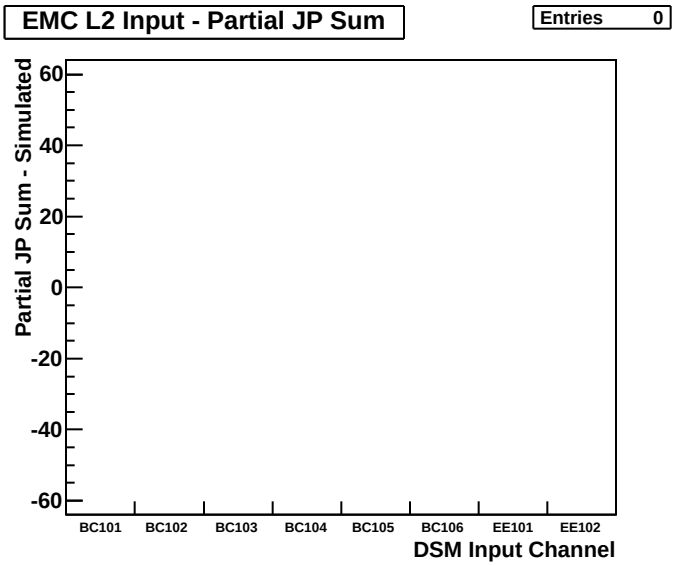

EMC L2 Input - JPY/JPB bits
Entries 789048
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
53672 51691 52322 50005 52312 53129 98631 98631
8409 8340 8113 8255 8395 8533
4226 4290 4305 4282 4402 4584
32324 34310 33891 36089 33522 32385

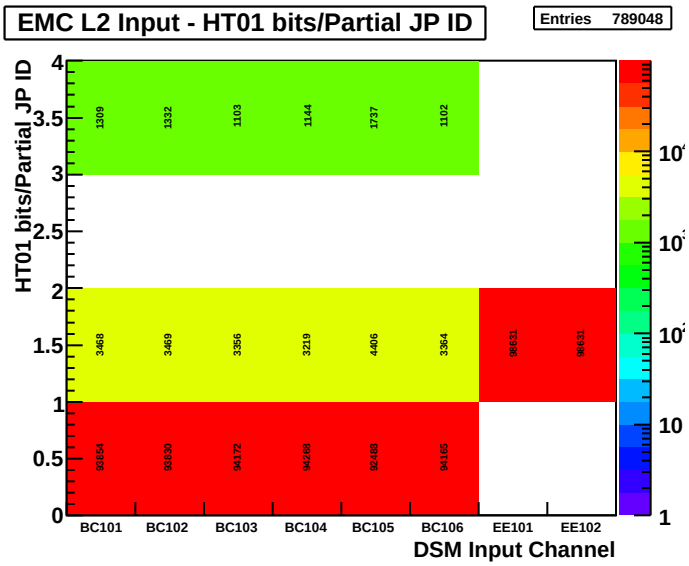

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

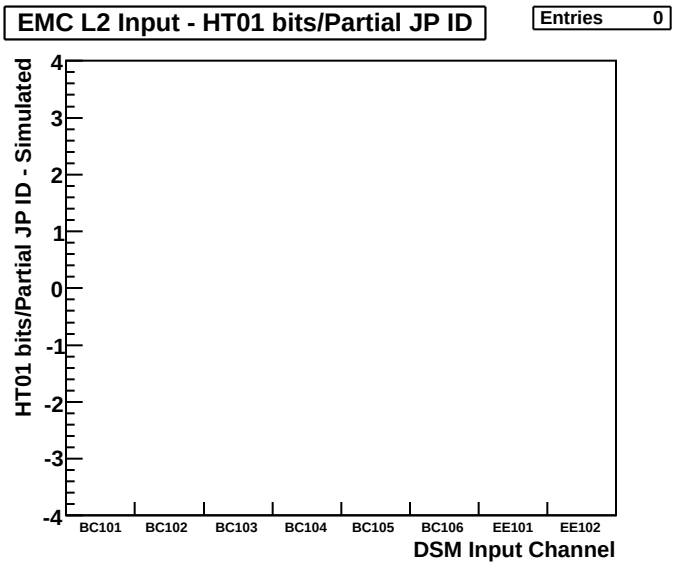

EMC L2 Input - JPZ/JPC bits
Entries 789048
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
52176 51100 52253 48577 53159 52846 98631 98631
8156 8314 8452 8987 8253 8386
4314 4284 4265 4549 4331 4312
33985 34933 33661 36518 32888 33087

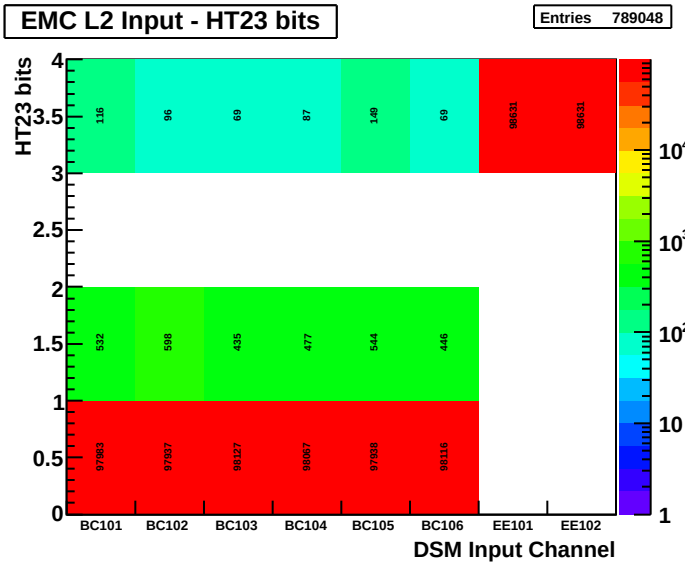

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

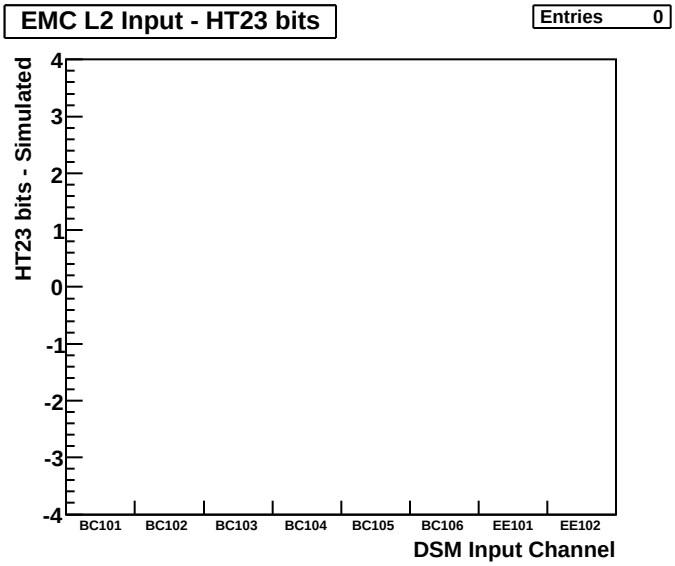

EMC L2 Input - Partial JP Sum
Entries 789048
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

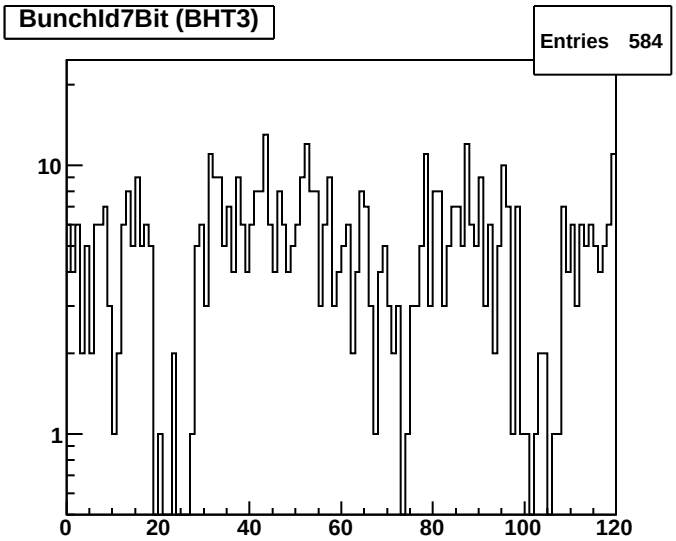

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

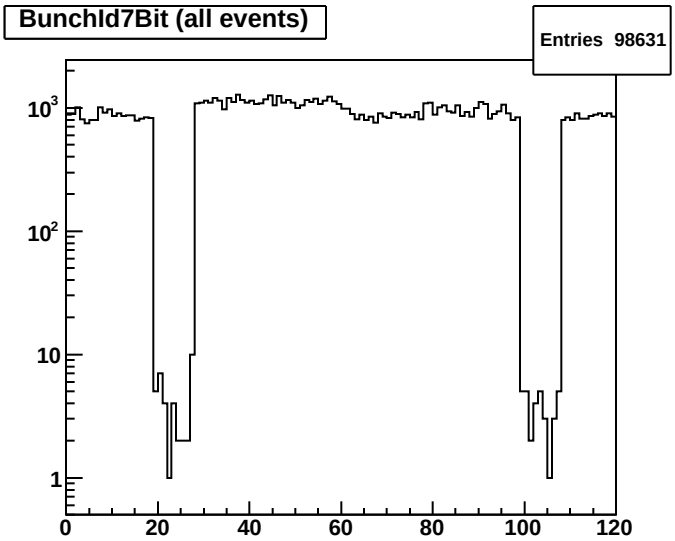

EMC L2 Input - HT01 bits/Partial JP ID
Entries 789048
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

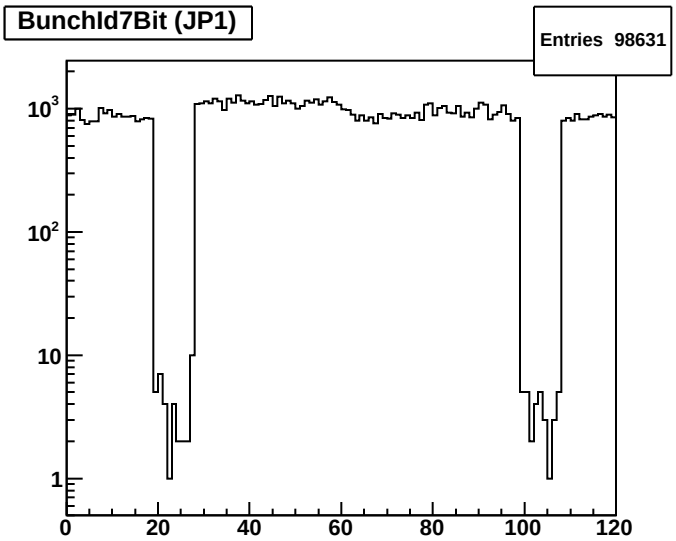

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

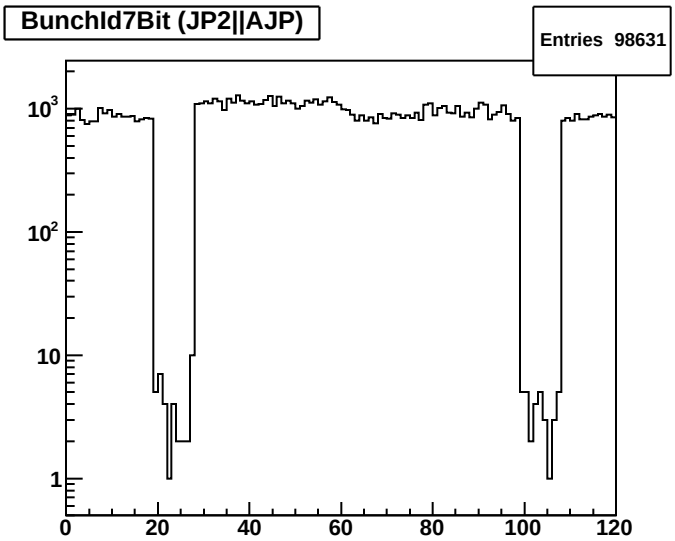

EMC L2 Input - HT23 bits
Entries 789048
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

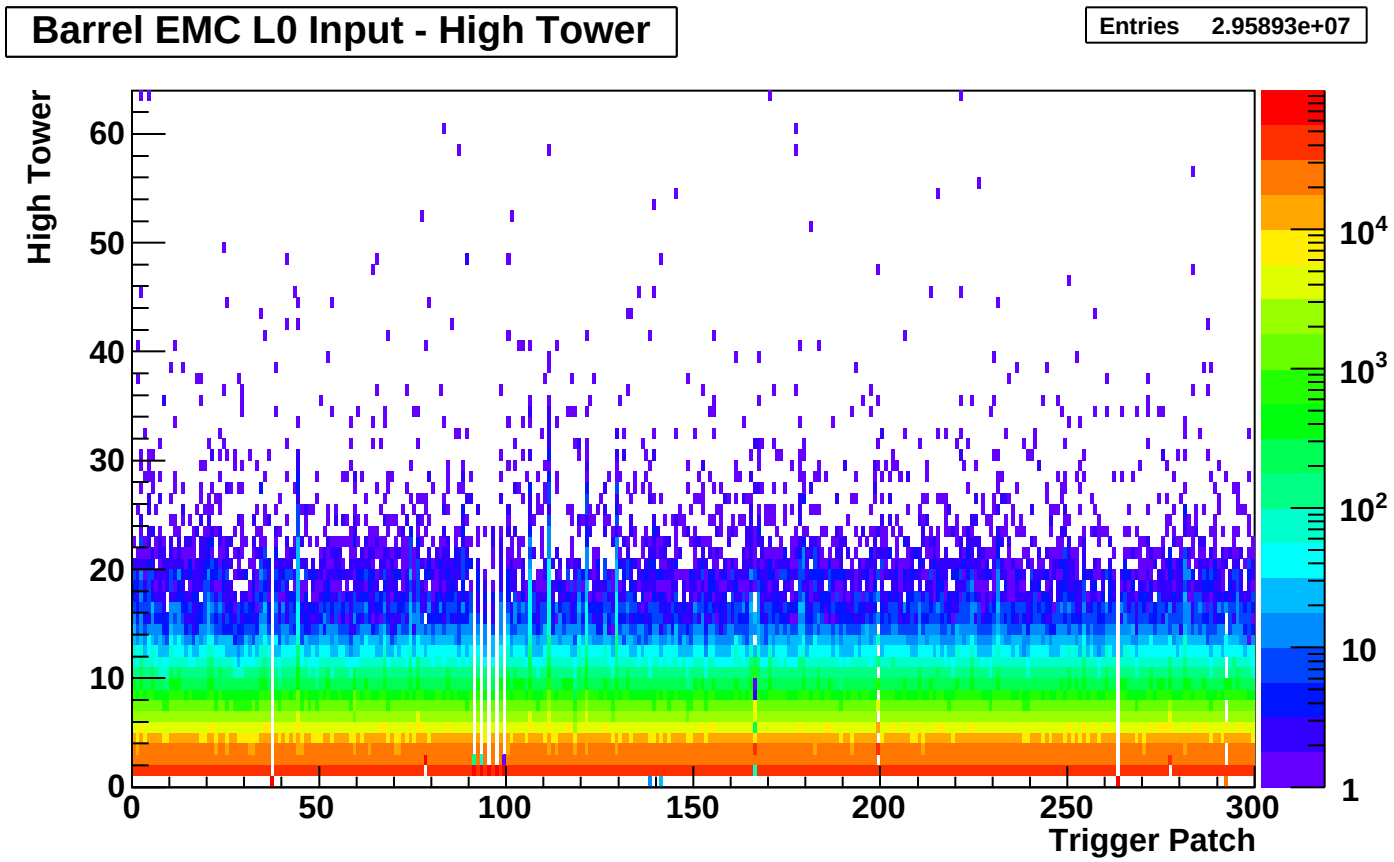

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

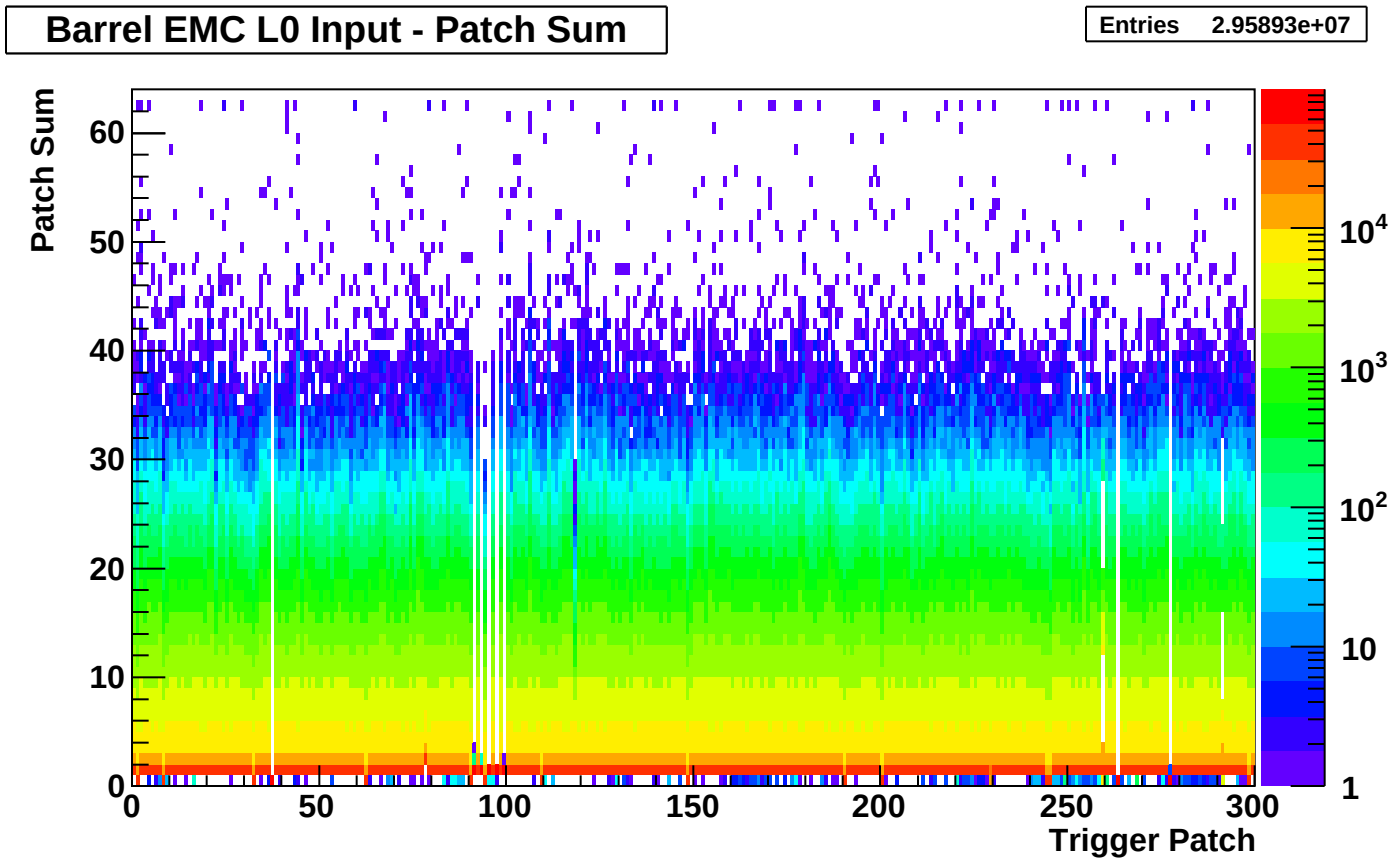

BunchId7Bit (BHT3)
Entries 584
10
1
0
20
40
60
80
100
120

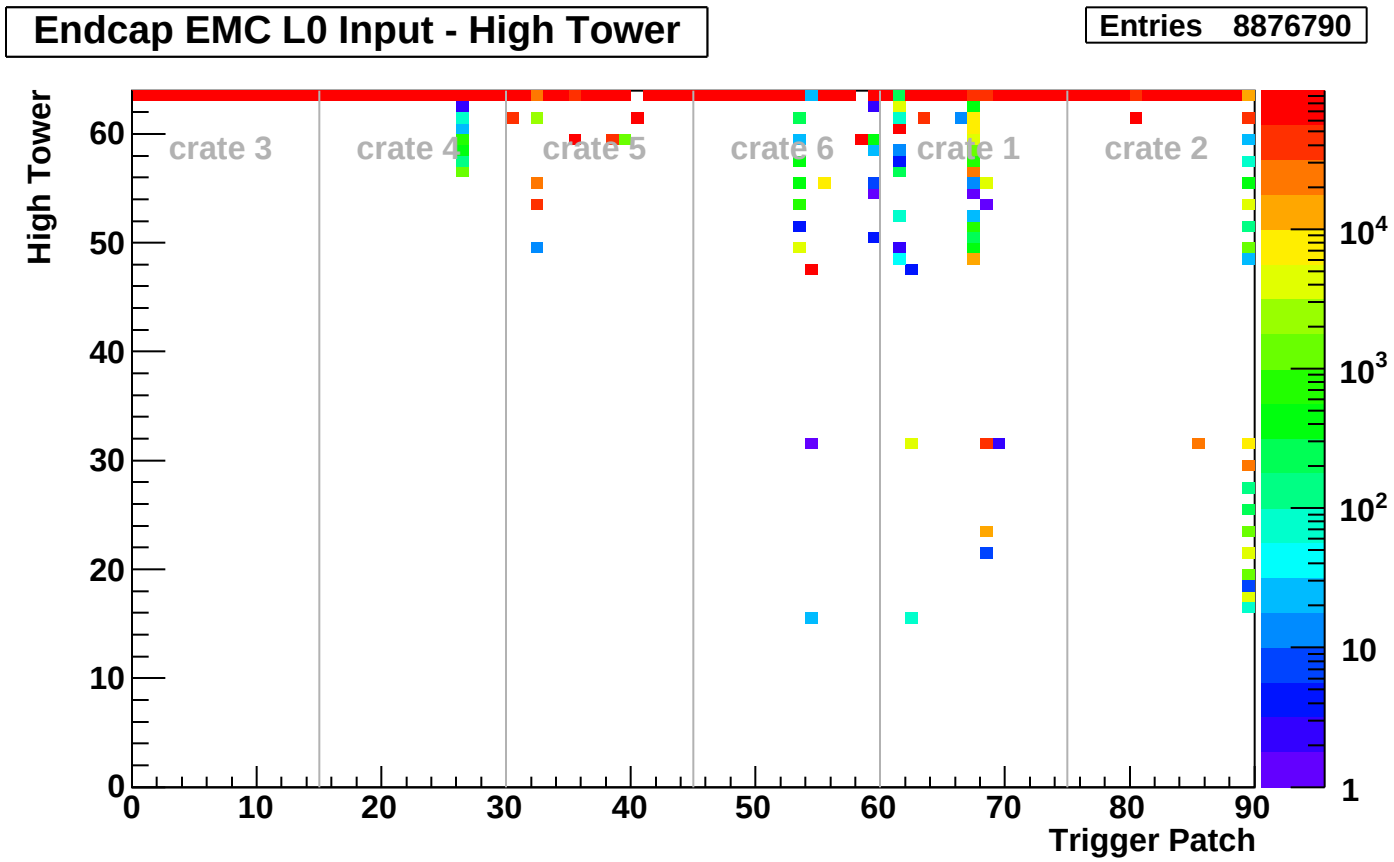

BunchId7Bit (all events)
Entries 98631
10^3
10^2
10
1
0
20
40
60
80
100
120

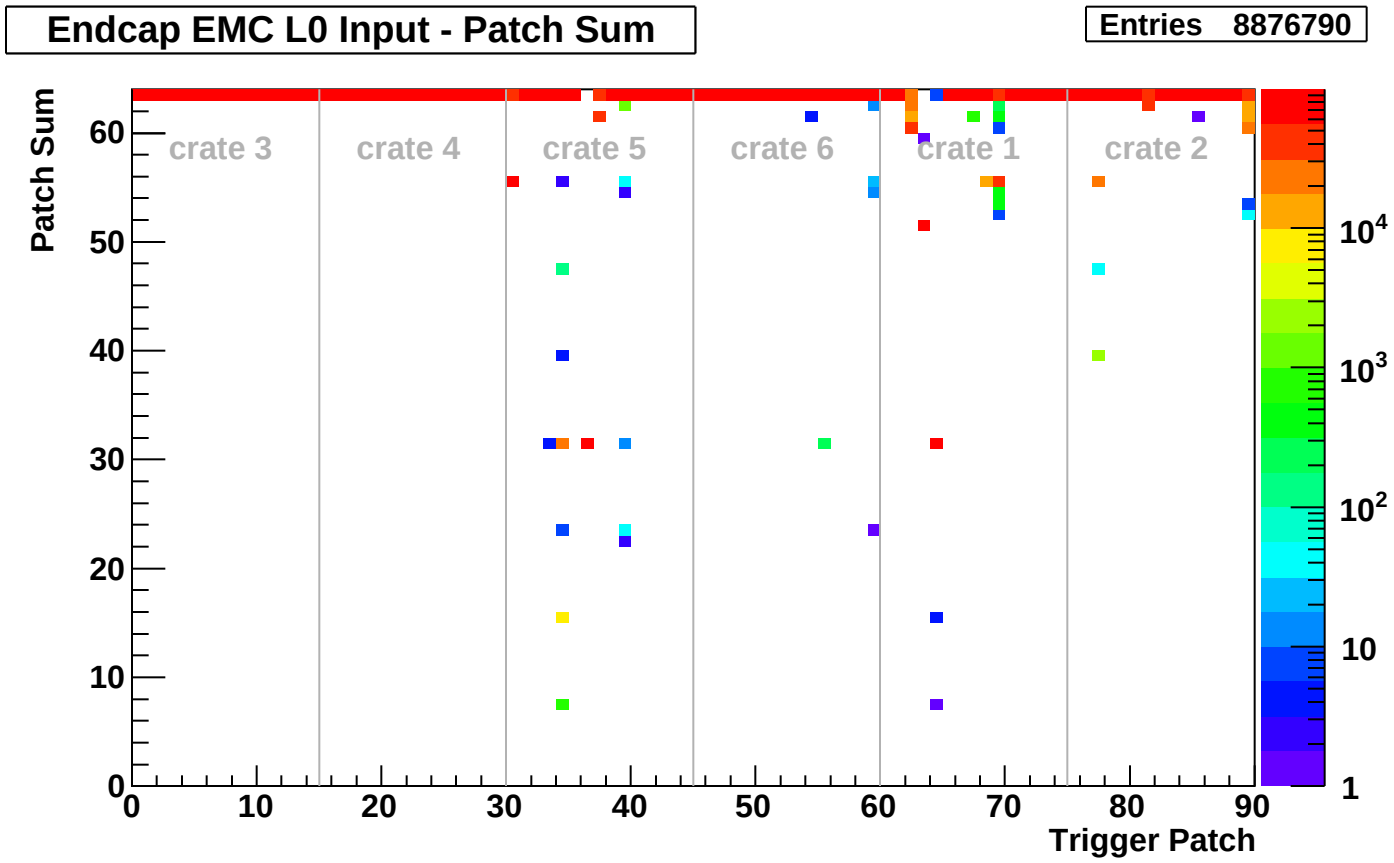

BunchId7Bit (JP1)
Entries 98631
10^3
10^2
10
1
0
20
40
60
80
100
120

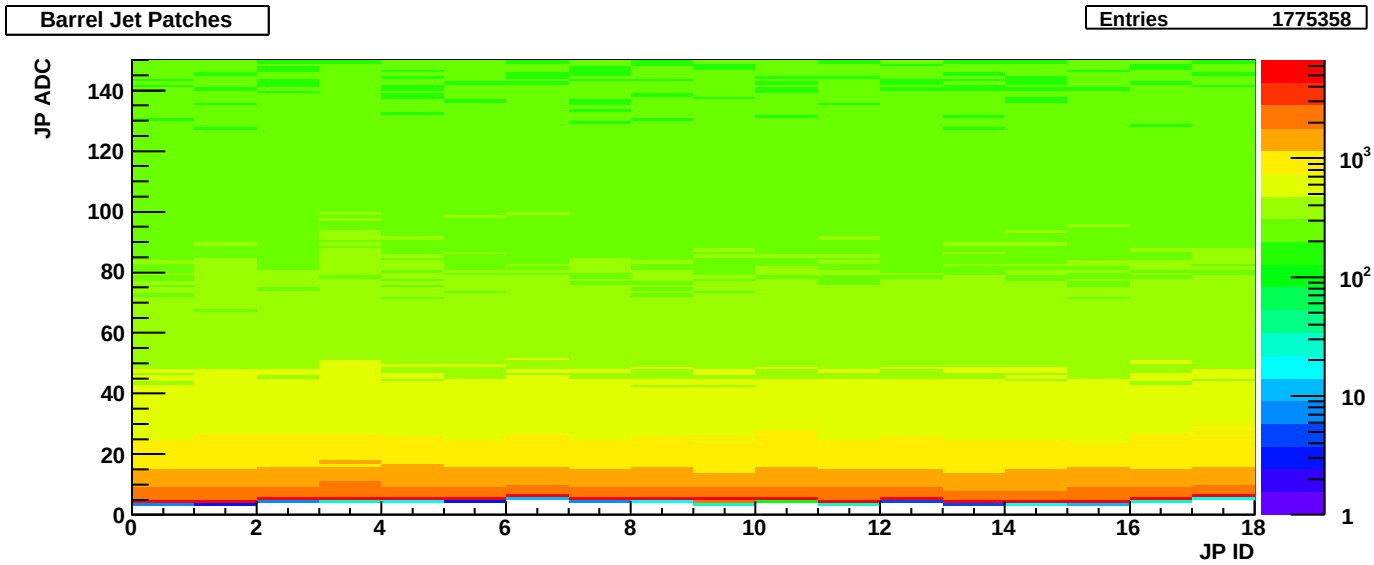

BunchId7Bit (JP2||AJP)
Entries 98631
10^3
10^2
10
1
0
20
40
60
80
100
120

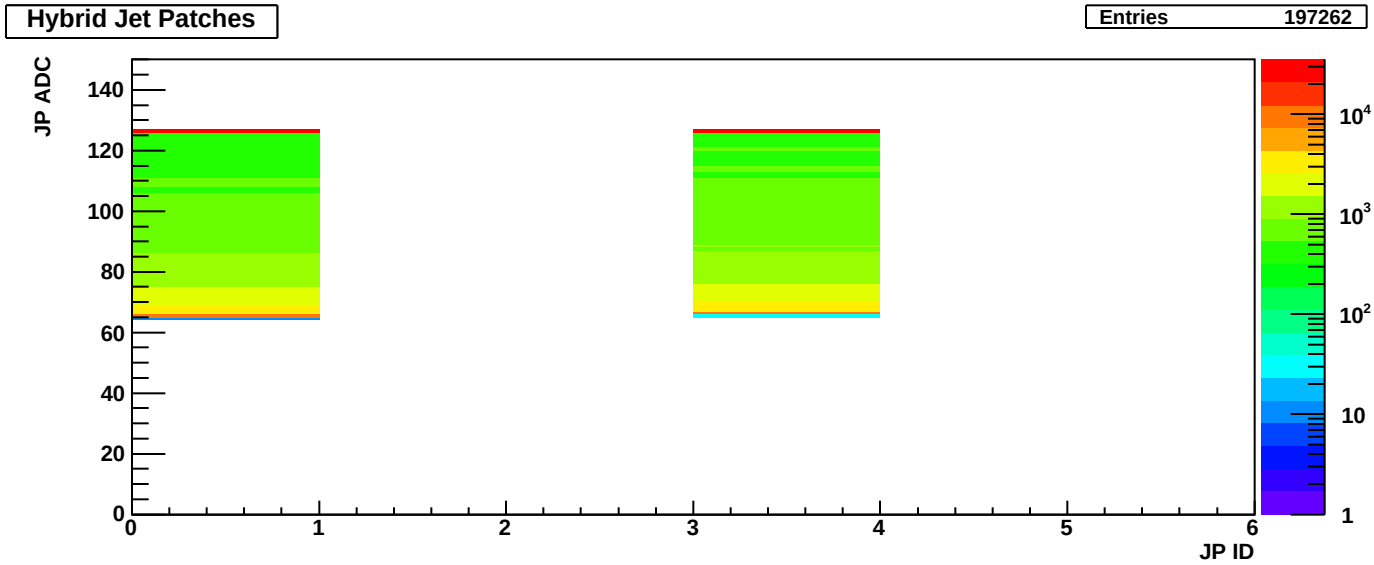

Barrel EMC L0 Input - High Tower
Entries 2.95893e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

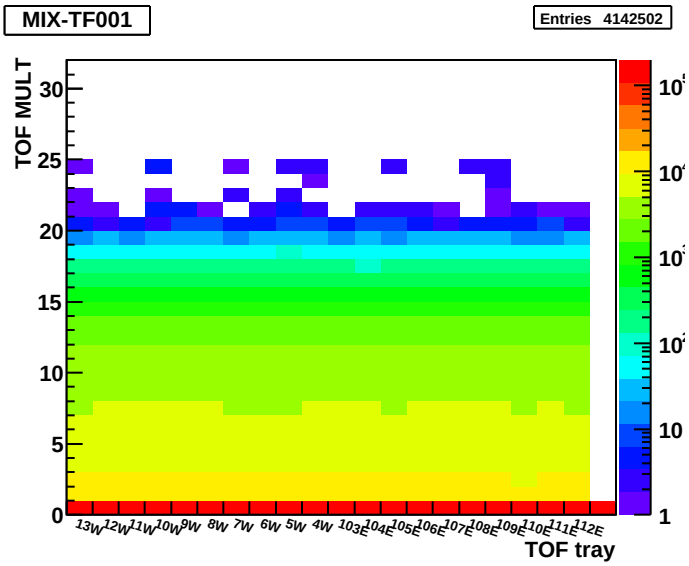

Barrel EMC L0 Input - Patch Sum
Entries 2.95893e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

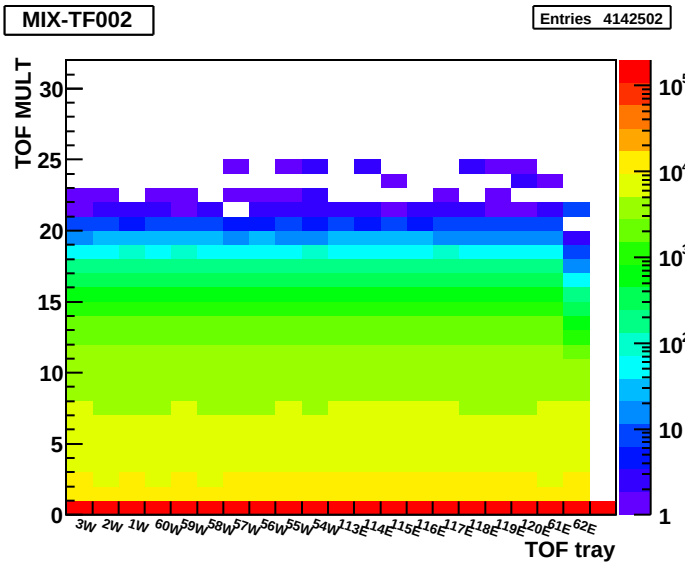

Endcap EMC L0 Input - High Tower
Entries 8876790
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

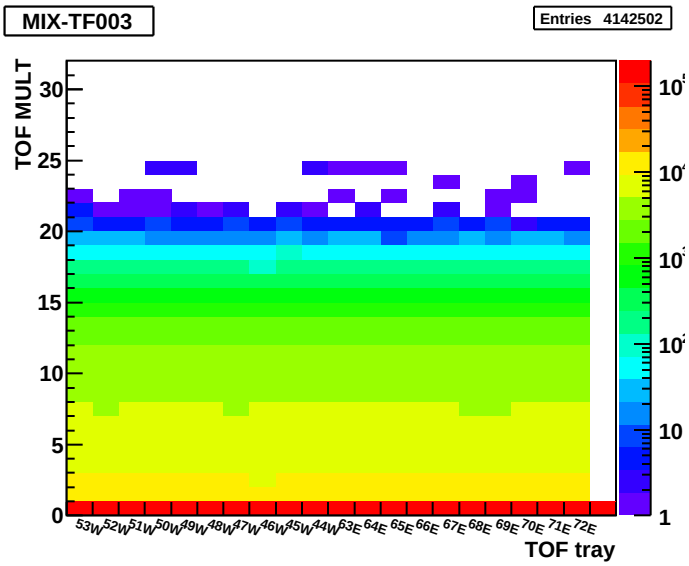

Endcap EMC L0 Input - Patch Sum
Entries 8876790
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

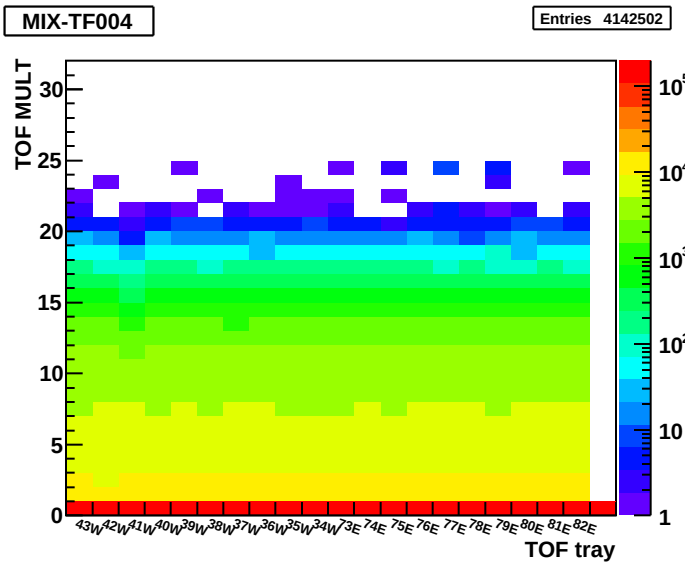

Barrel Jet Patches
Entries 1775358
JP ADC
JP ID

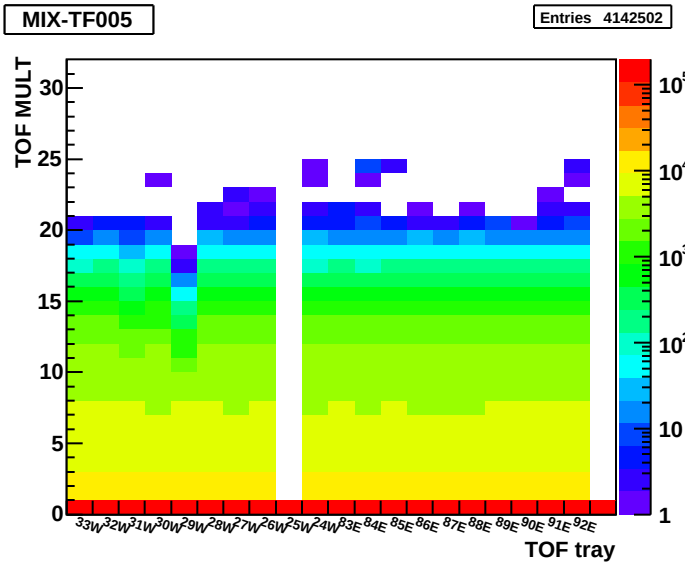

Hybrid Jet Patches
Entries 197262
JP ADC
JP ID

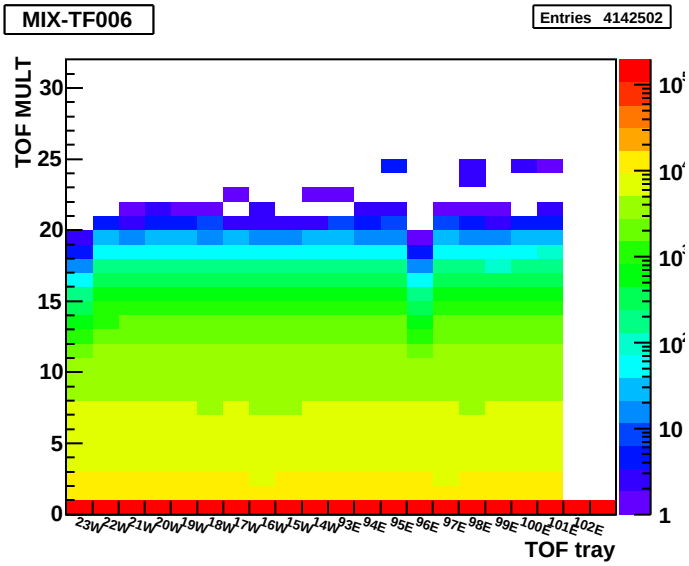

MIX-TF001
Entries 4142502
TOF MULT
TOF tray

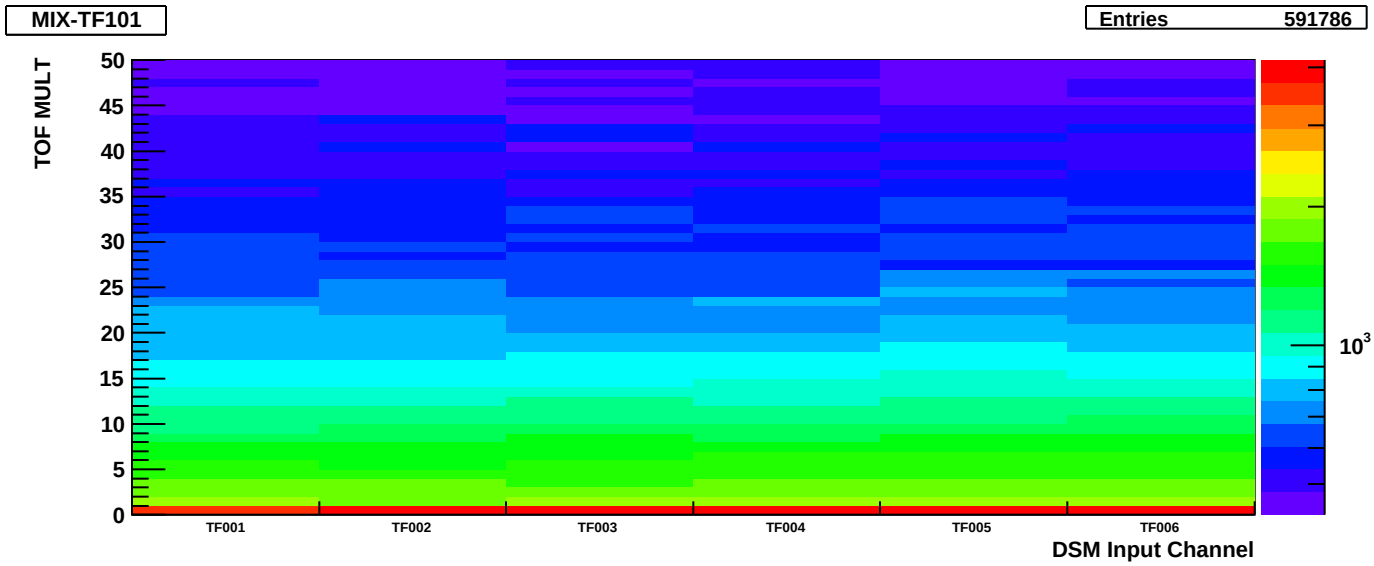

MIX-TF002
Entries 4142502
TOF MULT
TOF tray

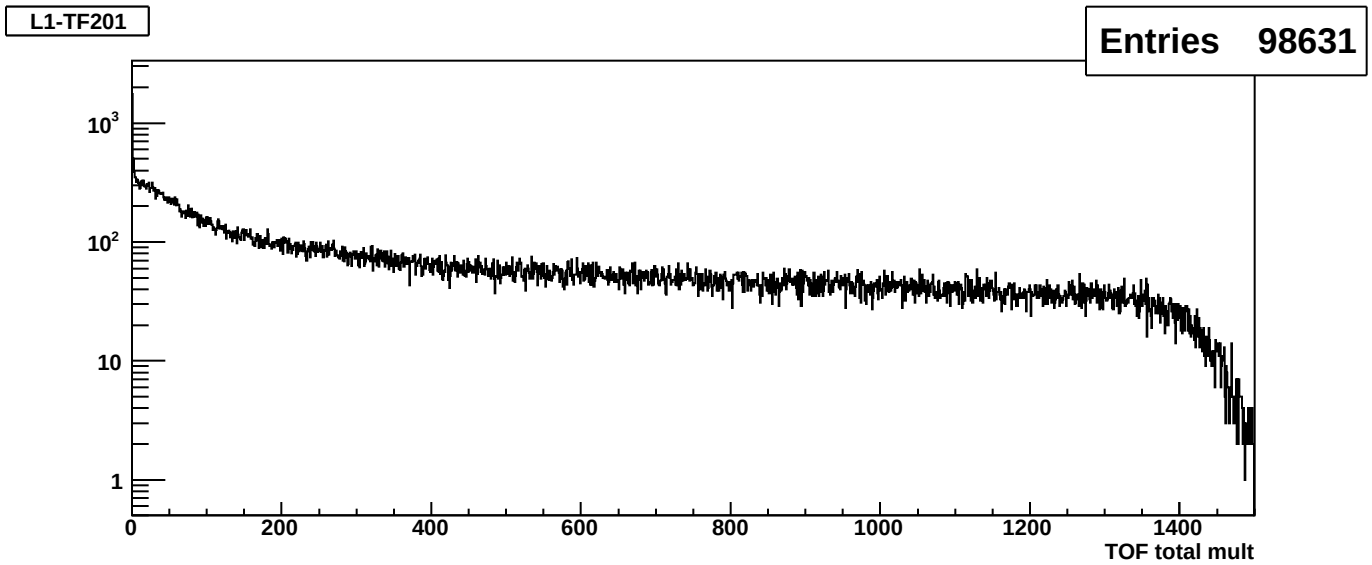

MIX-TF003
Entries 4142502
TOF MULT
TOF tray

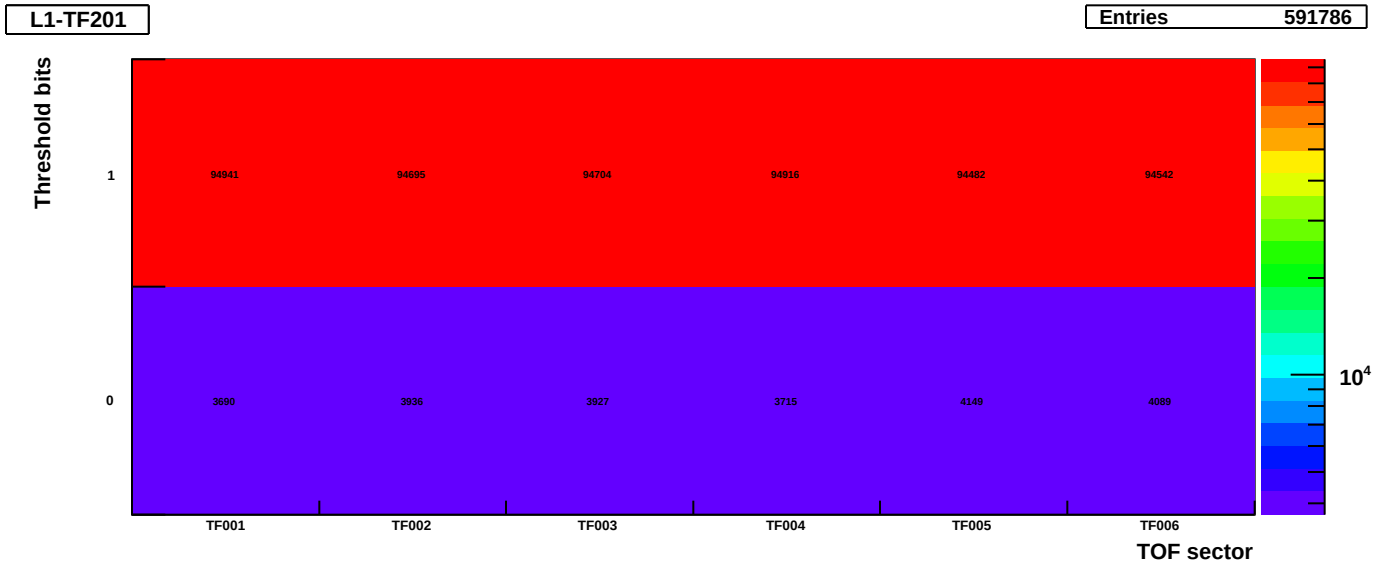

MIX-TF004
Entries 4142502
TOF MULT
TOF tray

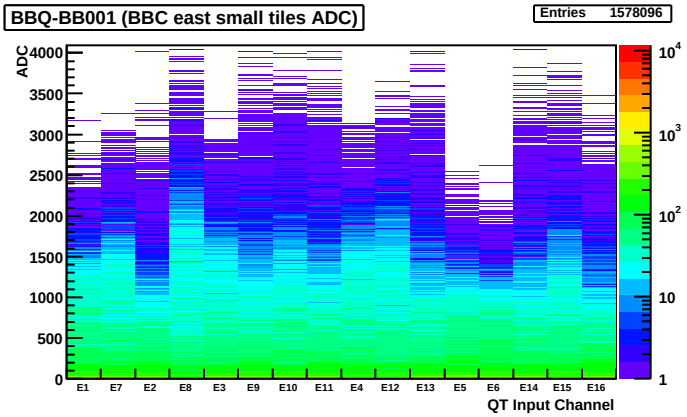

MIX-TF005
Entries 4142502
TOF MULT
TOF tray

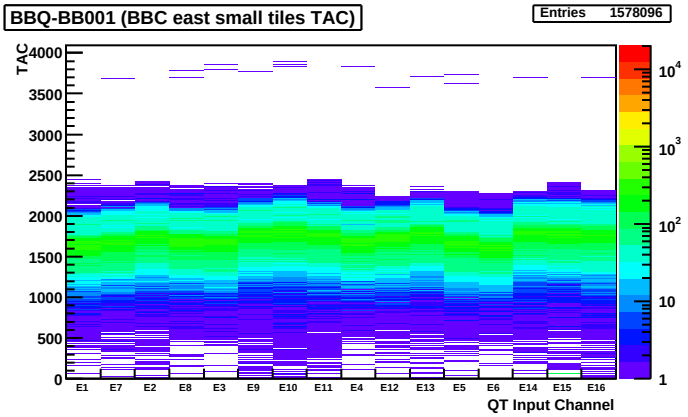

MIX-TF006
Entries 4142502
TOF MULT
TOF tray

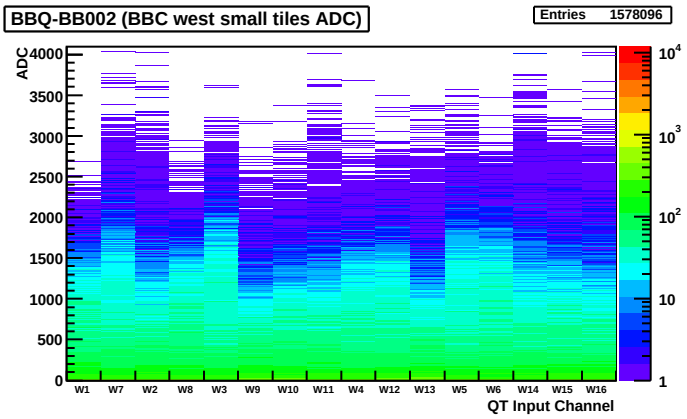

MIX-TF101
Entries 591786
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3

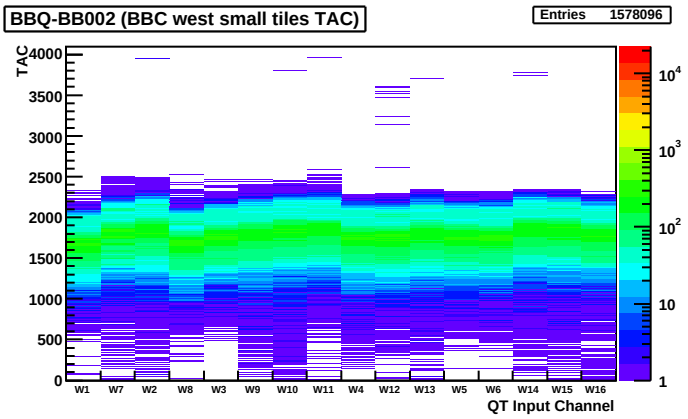

L1-TF201
Entries 98631
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

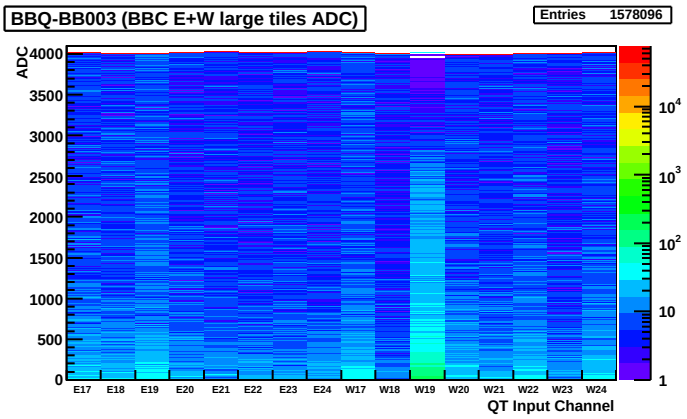

L1-TF201
Entries 591786
Threshold bits
1
0
94941
94695
94704
94916
94482
94542
3690
3936
3927
3715
4149
4089
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4

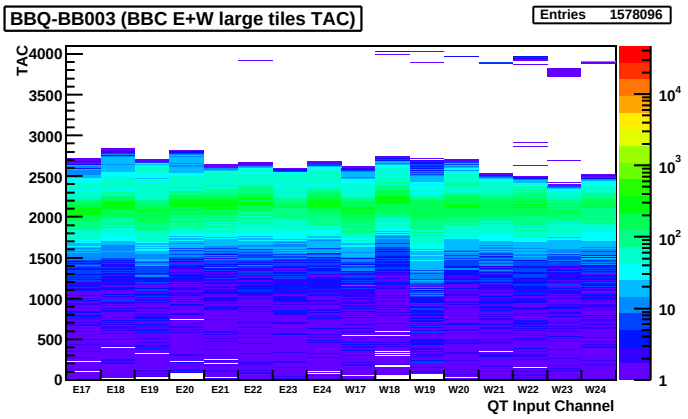

BBQ-BB001 (BBC east small tiles ADC)
Entries 1578096
ADC
QT Input Channel

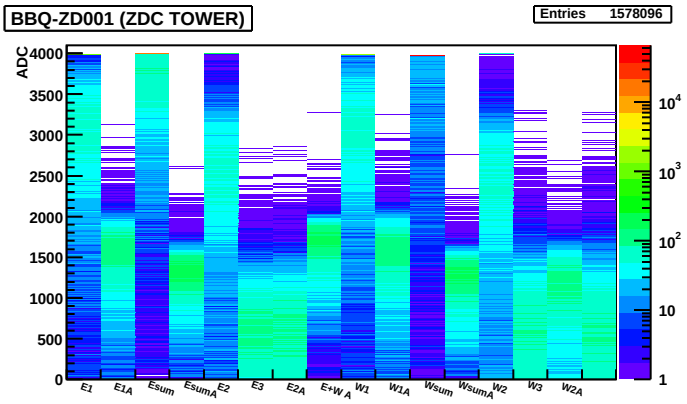

BBQ-BB001 (BBC east small tiles TAC)
Entries 1578096
TAC
QT Input Channel

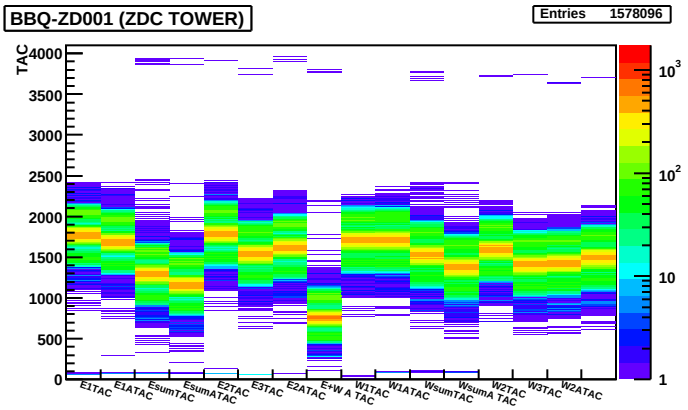

BBQ-BB002 (BBC west small tiles ADC)
Entries 1578096
ADC
QT Input Channel

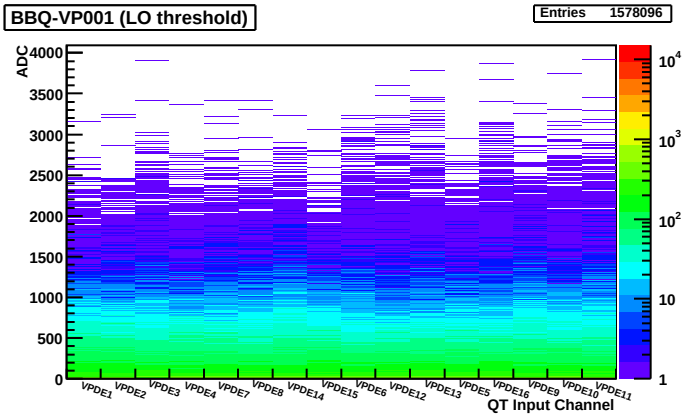

BBQ-BB002 (BBC west small tiles TAC)
Entries 1578096
TAC
QT Input Channel

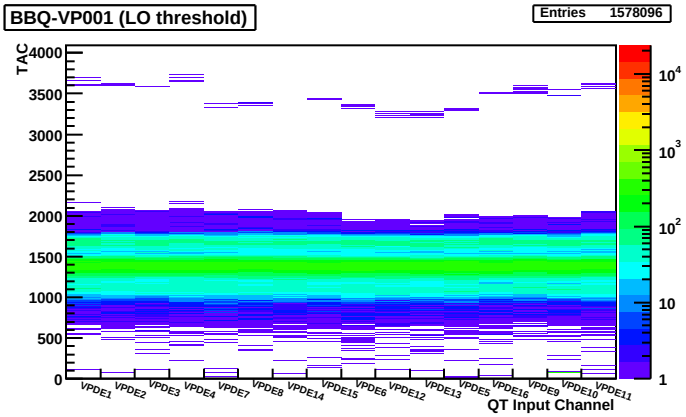

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1578096
ADC
QT Input Channel

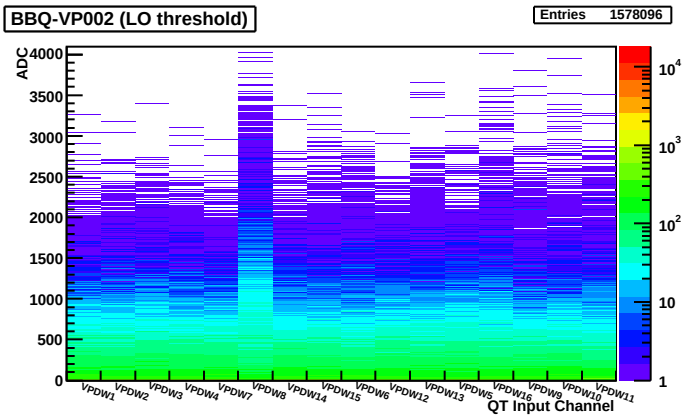

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1578096
TAC
QT Input Channel

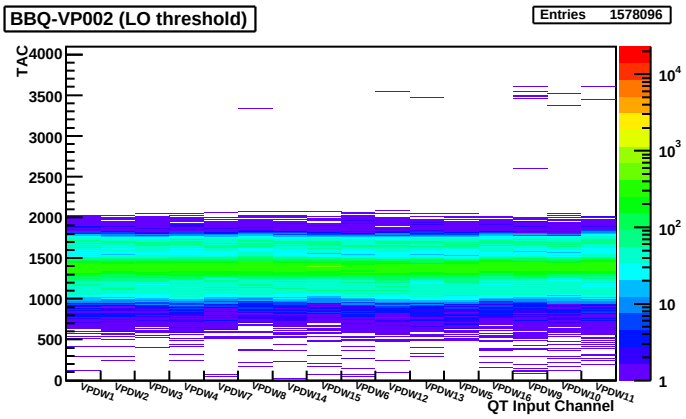

BBQ-ZD001 (ZDC TOWER)
Entries 1578096
ADC

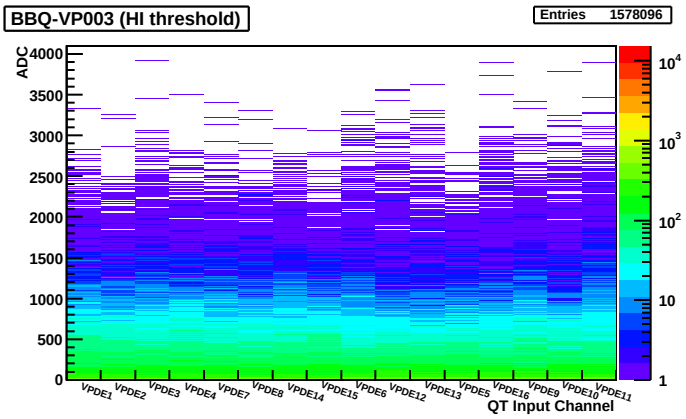

BBQ-ZD001 (ZDC TOWER)
Entries 1578096
TAC

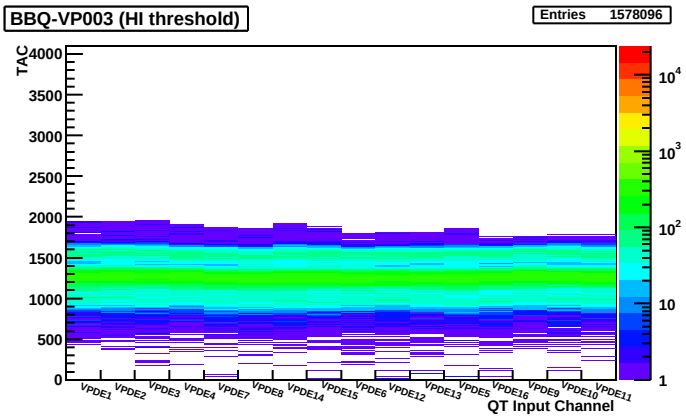

BBQ-VP001 (LO threshold)
Entries 1578096
ADC
QT Input Channel

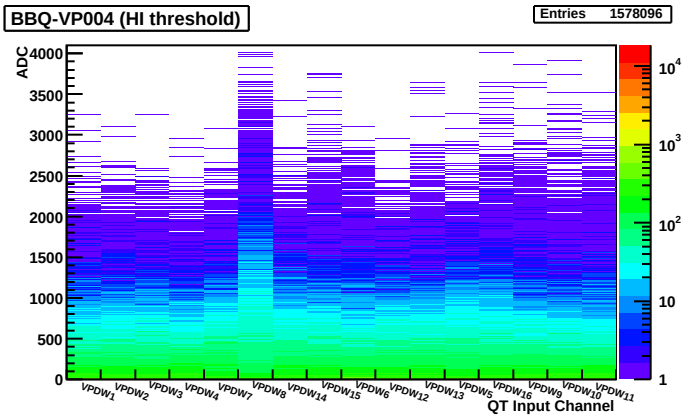

BBQ-VP001 (LO threshold)
Entries 1578096
TAC
QT Input Channel

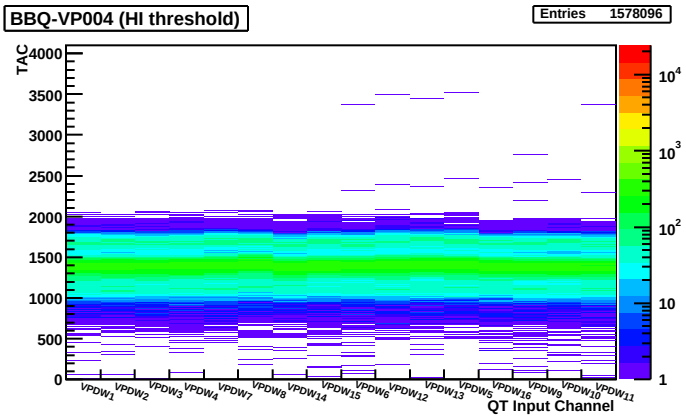

BBQ-VP002 (LO threshold)
Entries 1578096
ADC
QT Input Channel

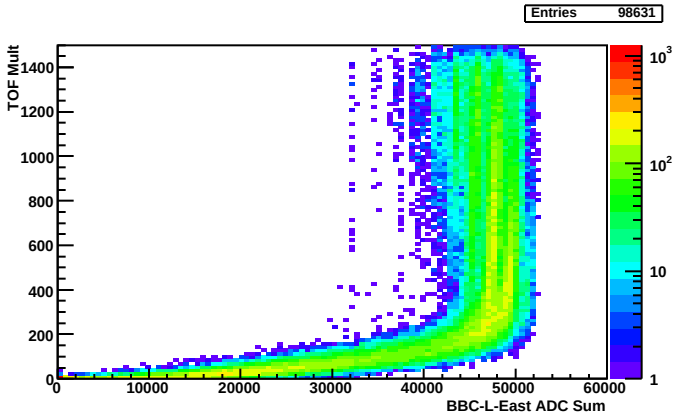

BBQ-VP002 (LO threshold)
Entries 1578096
TAC
QT Input Channel

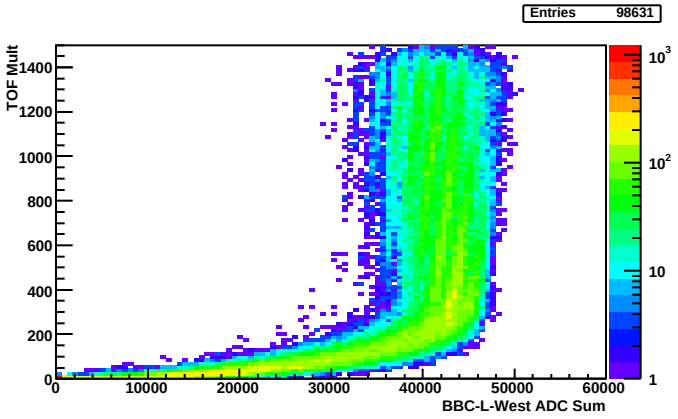

BBQ-VP003 (HI threshold)
Entries 1578096
ADC
QT Input Channel

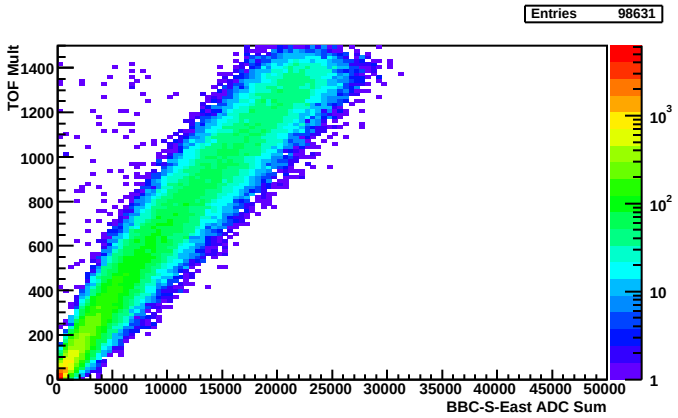

BBQ-VP003 (HI threshold)
Entries 1578096
TAC
QT Input Channel

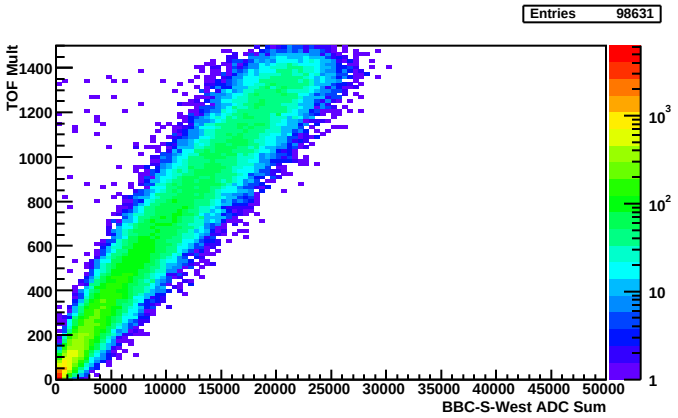

BBQ-VP004 (HI threshold)
Entries 1578096
ADC
QT Input Channel

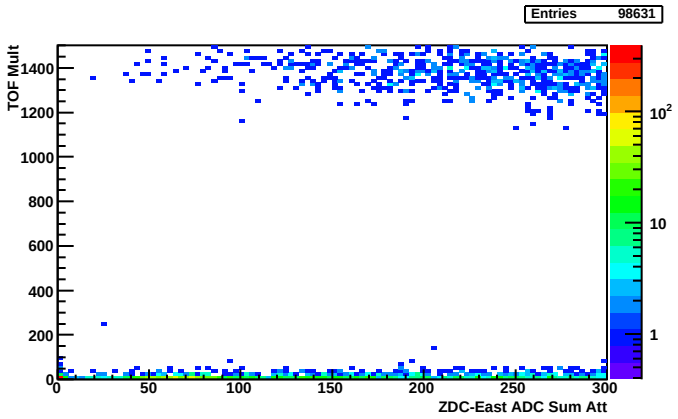

BBQ-VP004 (HI threshold)
Entries 1578096
TAC
QT Input Channel

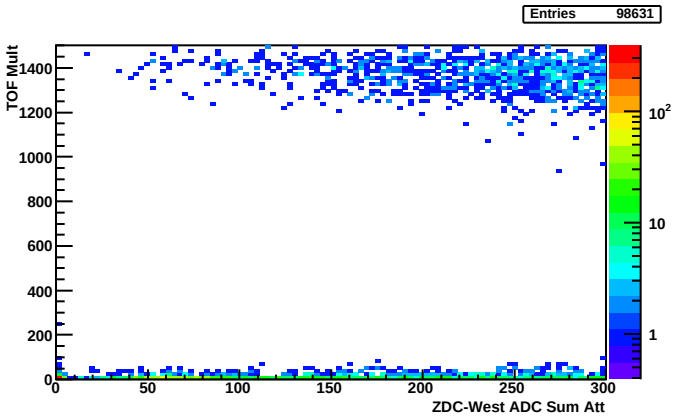

Entries 98631
TOF Mult
BBC-L-East ADC Sum

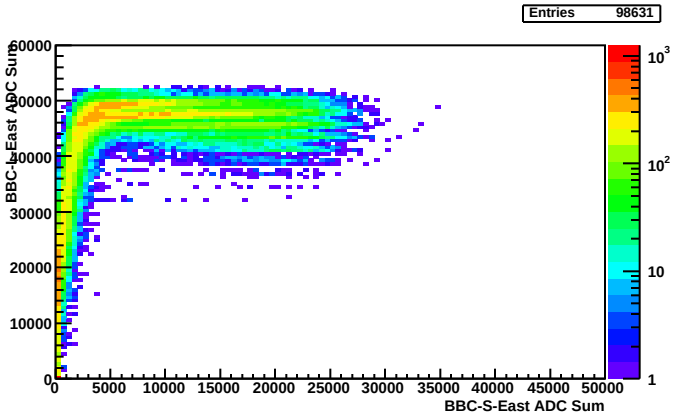

Entries 98631
TOF Mult
BBC-L-West ADC Sum

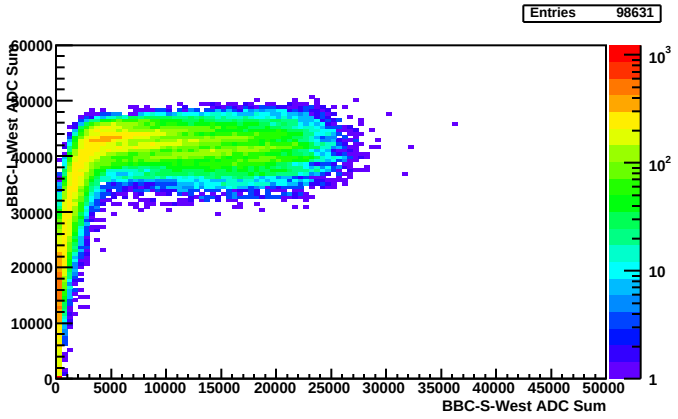

Entries 98631
TOF Mult
BBC-S-East ADC Sum

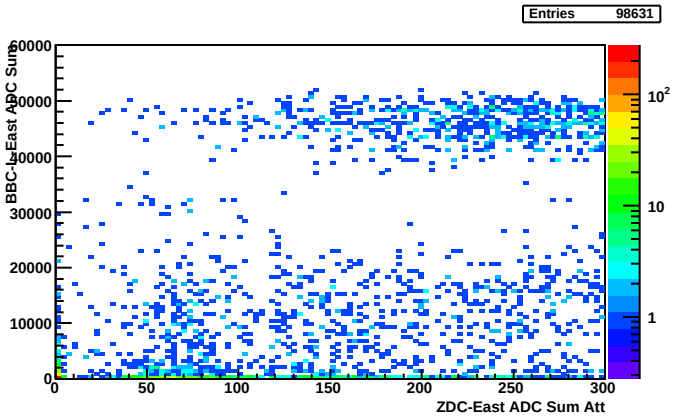

Entries 98631
TOF Mult
BBC-S-West ADC Sum

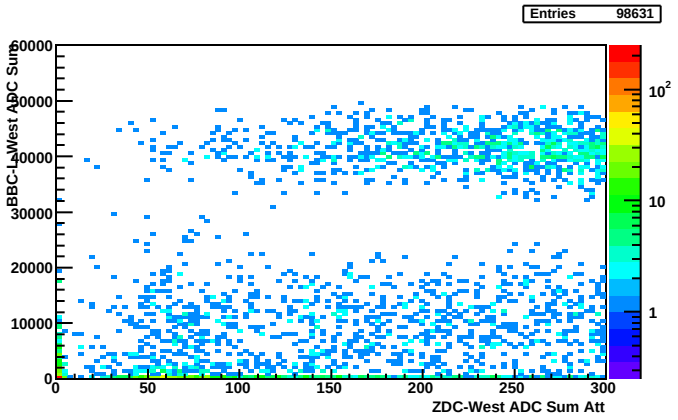

Entries 98631
TOF Mult
ZDC-East ADC Sum Att

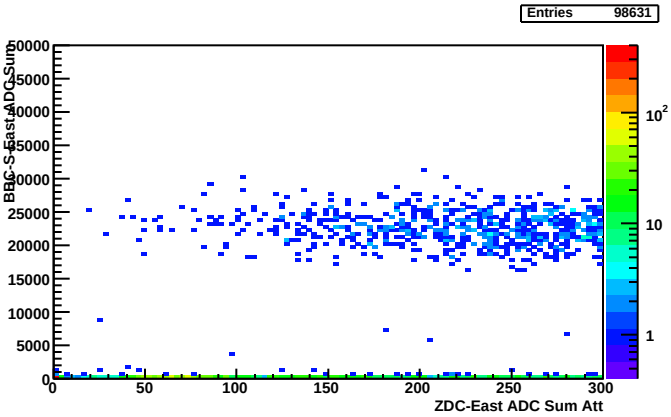

Entries 98631
TOF Mult
ZDC-West ADC Sum Att

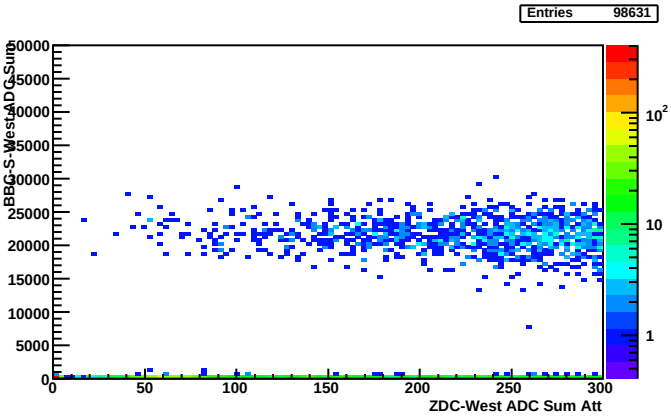

Entries 98631
BBC-L-East ADC Sum
BBC-S-East ADC Sum

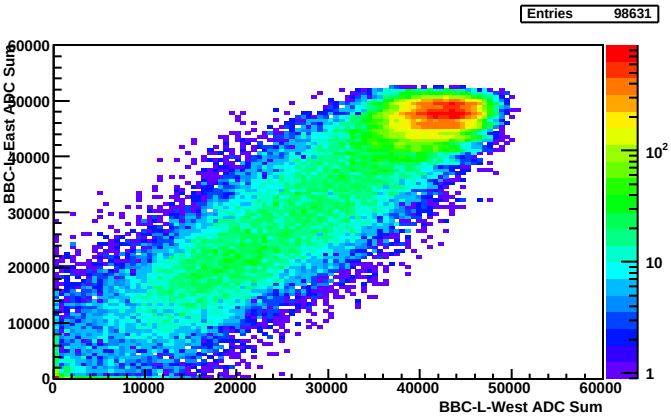

Entries 98631
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 98631
BBC-L-East ADC Sum
ZDC-East ADC Sum Att


Entries 98631
BBC-L-West ADC Sum
ZDC-West ADC Sum Att


Entries 98631
BBC-S-East ADC Sum
ZDC-East ADC Sum Att


Entries 98631
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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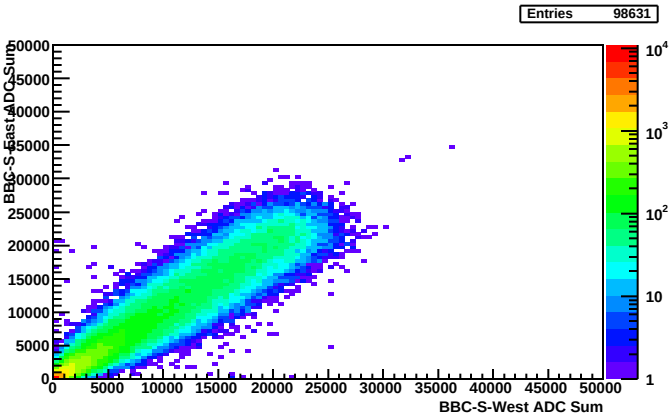
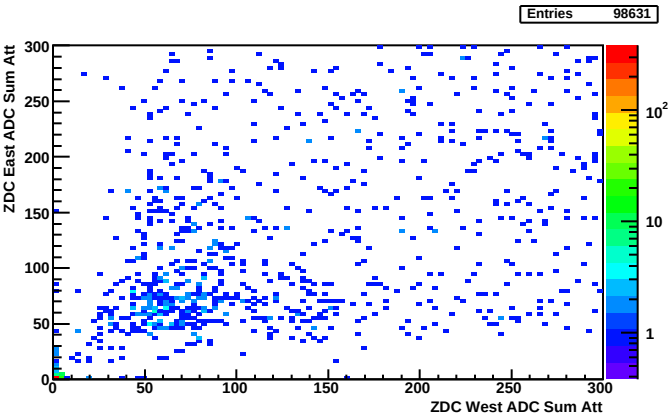
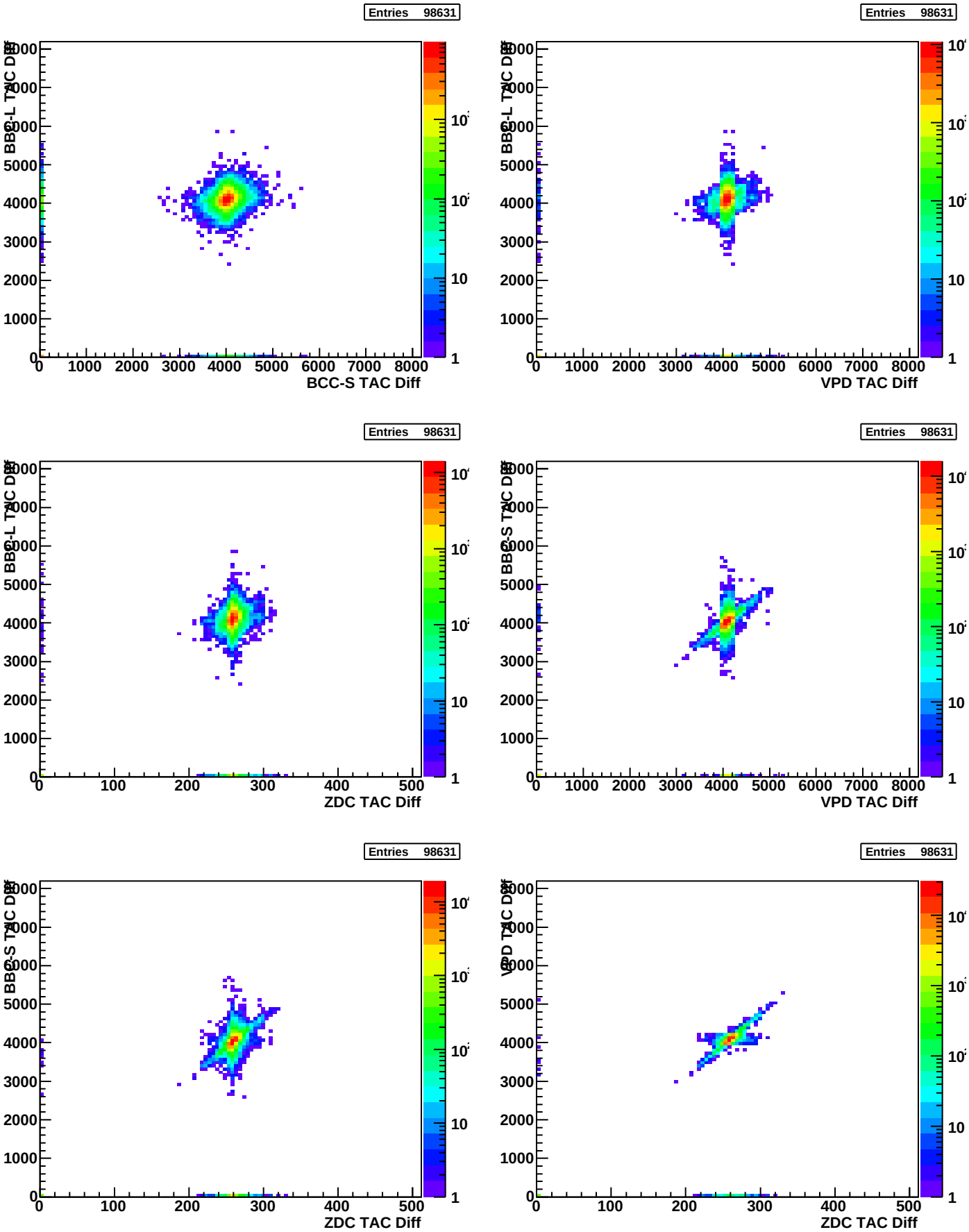
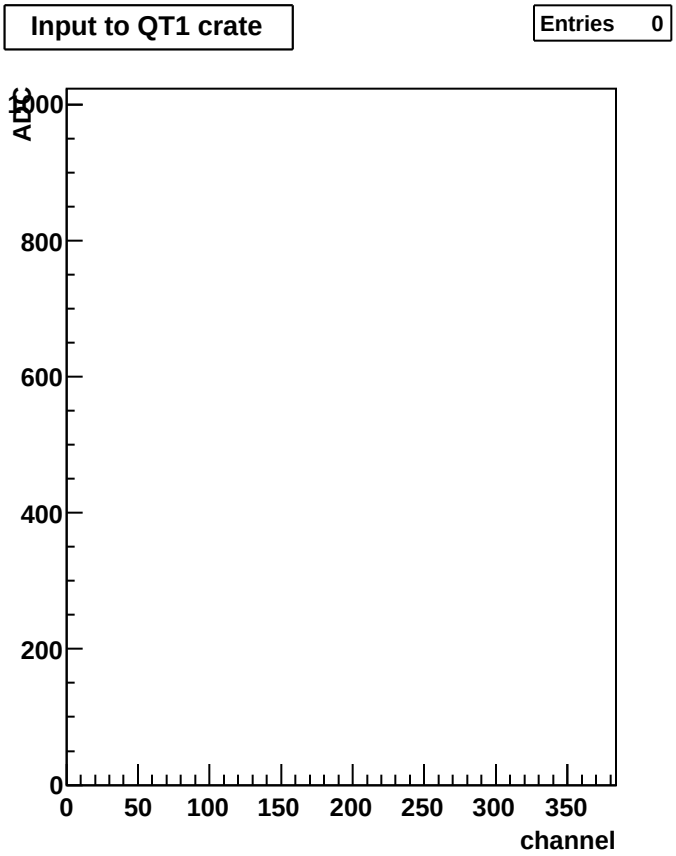
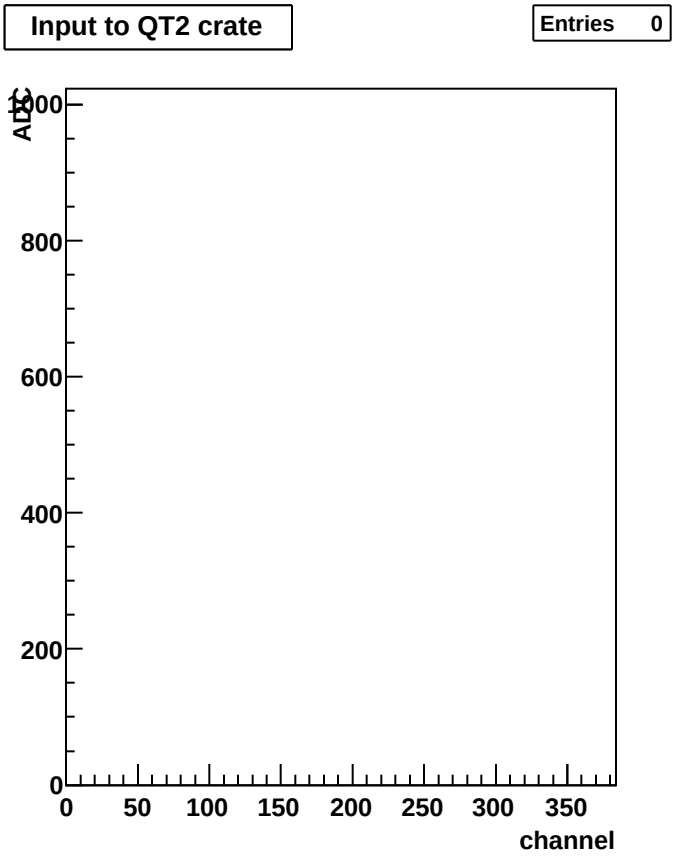
BBC-L-East ADC Sum
BBC-L-West ADC Sum

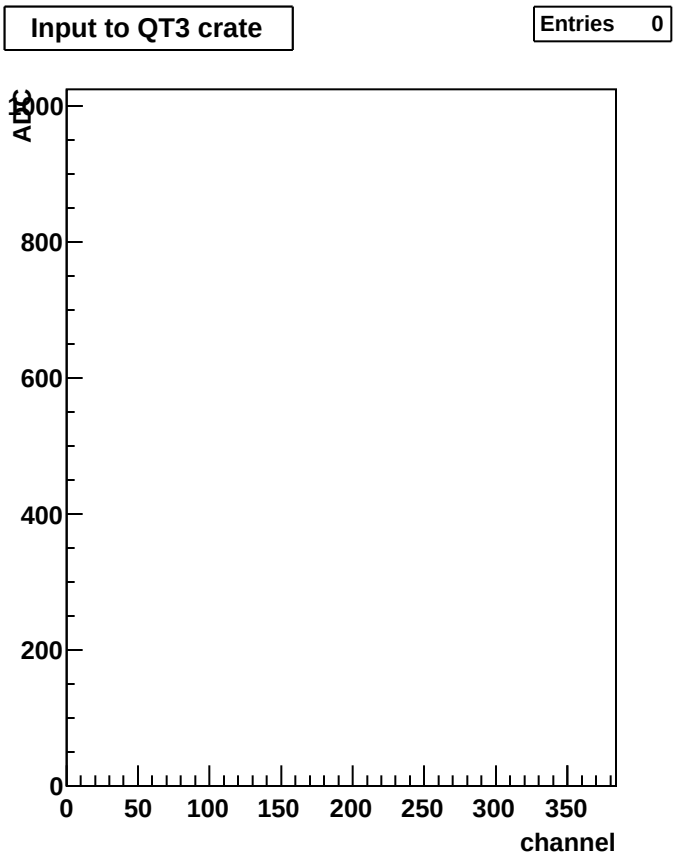

Entries 98631
BBC-S-East ADC Sum
BBC-S-West ADC Sum

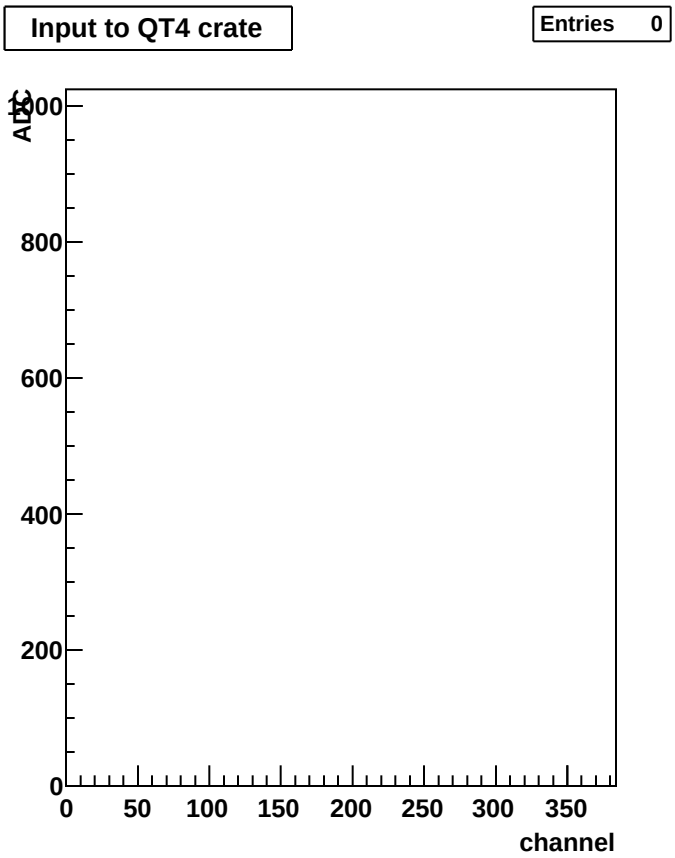

Entries 98631
ZDC East ADC Sum Att
ZDC West ADC Sum Att

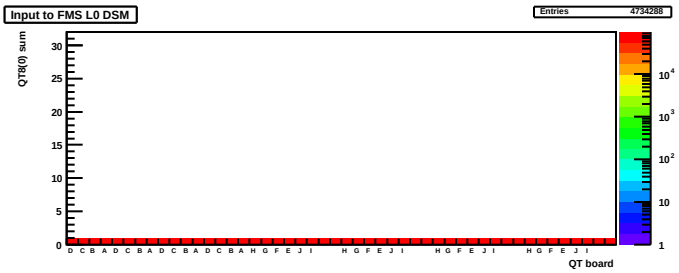

Entries 98631
BBC-L TAC Diff
BCC-S TAC Diff
VPD TAC Diff
ZDC TAC Diff
BBC-S TAC Diff

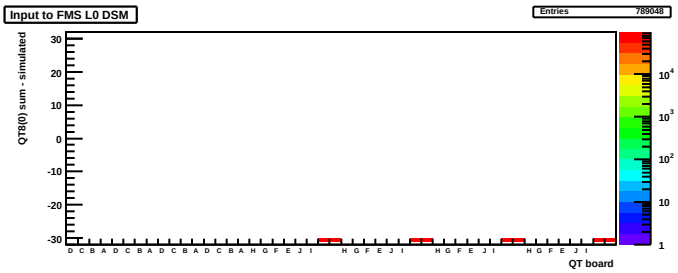

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

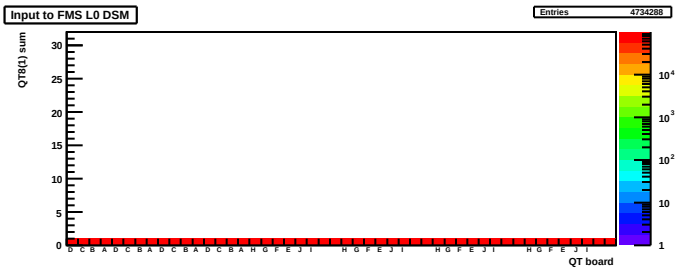

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

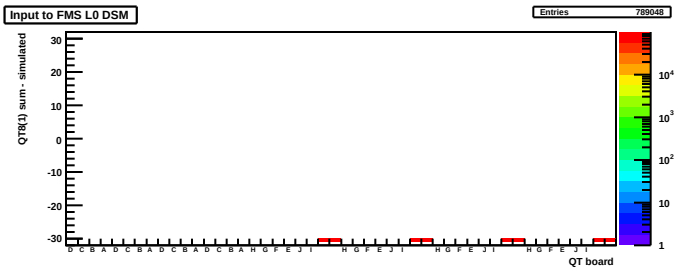

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

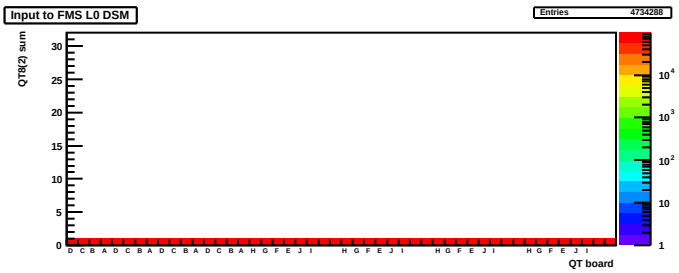

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

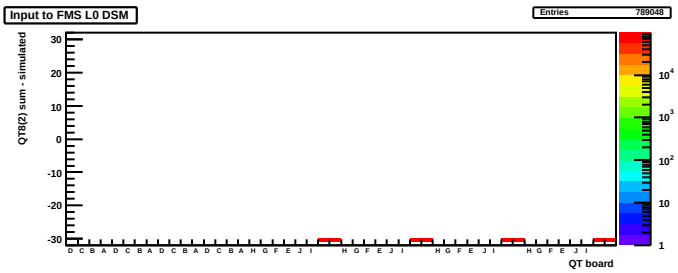

Input to FMS L0 DSM
Entries 4734288
QT8(0) sum
QT board

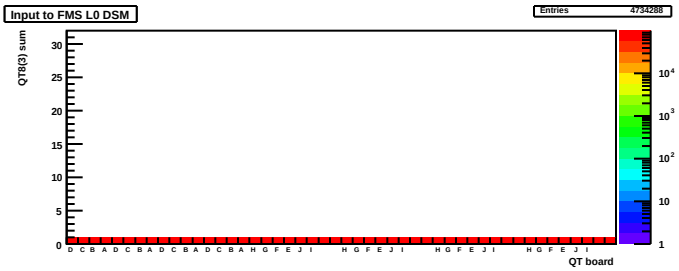

Input to FMS L0 DSM
Entries 789048
QT8(0) sum - simulated
QT board

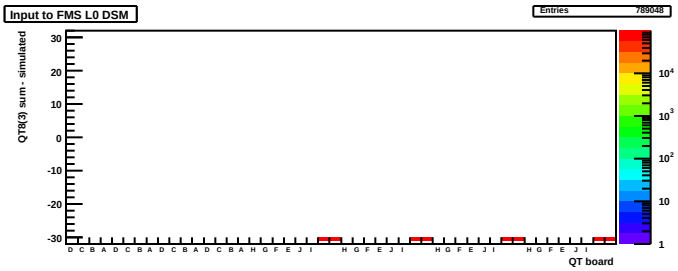

Input to FMS L0 DSM
Entries 4734288
QT8(1) sum
QT board

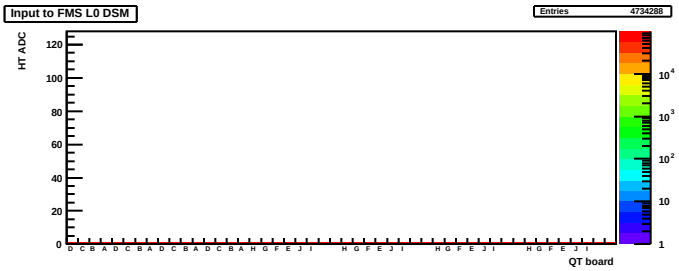

Input to FMS L0 DSM
Entries 789048
QT8(1) sum - simulated
QT board

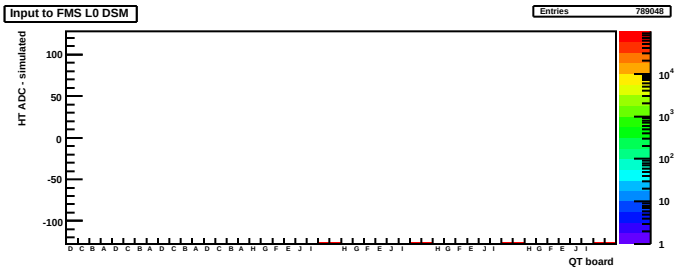

Input to FMS L0 DSM
Entries 4734288
QT8(2) sum
QT board

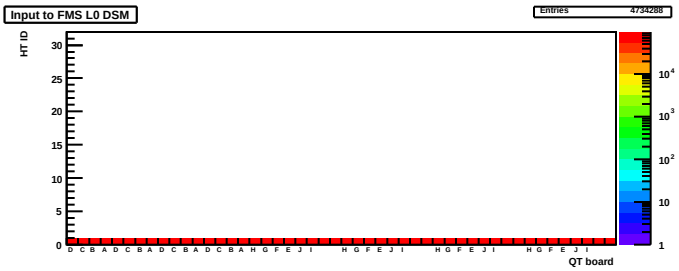

Input to FMS L0 DSM
Entries 789048
QT8(2) sum - simulated
QT board

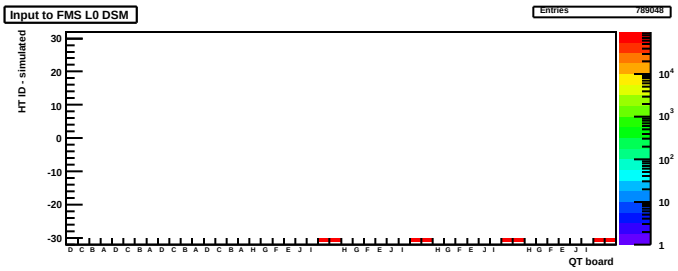

Input to FMS L0 DSM
Entries 4734288
QT8(3) sum
QT board

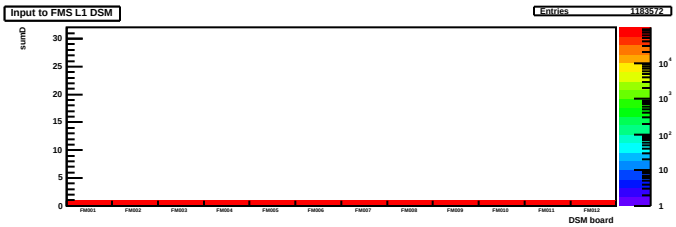

Input to FMS L0 DSM
Entries 789048
QT8(3) sum - simulated
QT board

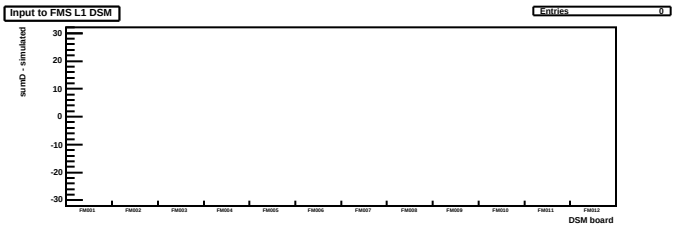

Input to FMS L0 DSM
Entries 4734288
HT ADC
QT board

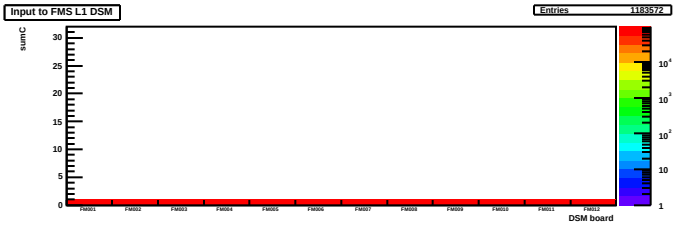

Input to FMS L0 DSM
Entries 789048
HT ADC - simulated
QT board

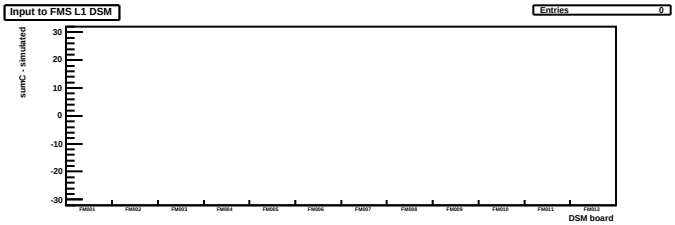

Input to FMS L0 DSM
Entries 4734288
HT ID
QT board

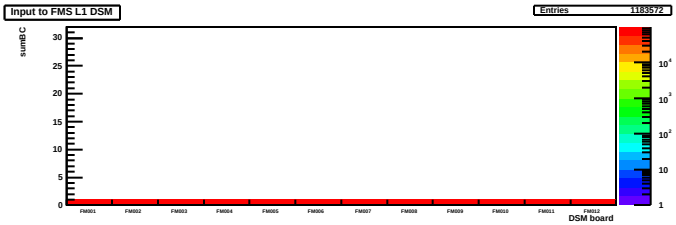

Input to FMS L0 DSM
Entries 789048
HT ID - simulated
QT board

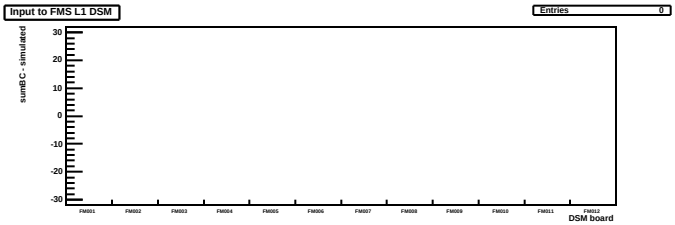

Input to FMS L1 DSM
Entries 1183572
sumD
DSM board

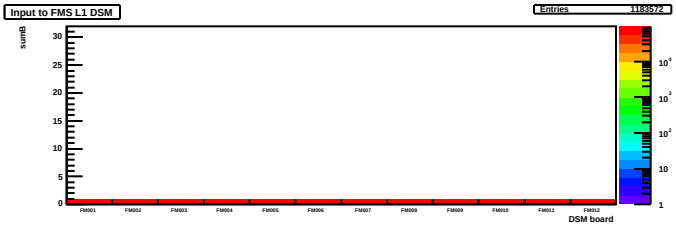

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

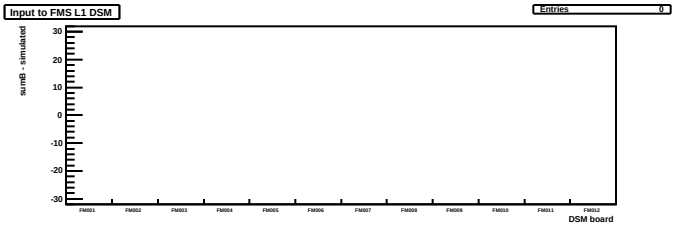

Input to FMS L1 DSM
Entries 1183572
sumC
DSM board

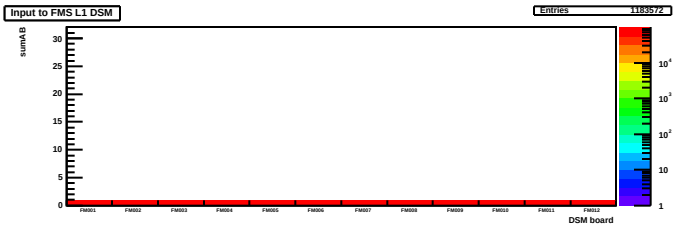

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

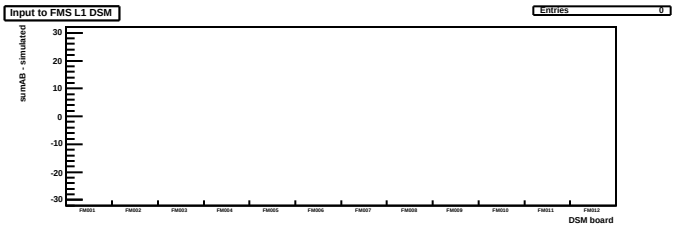

Input to FMS L1 DSM
Entries 1183572
sumBC
DSM board

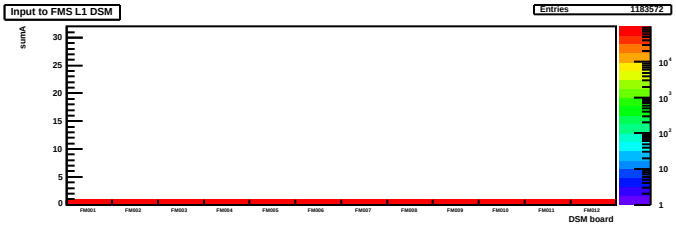

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

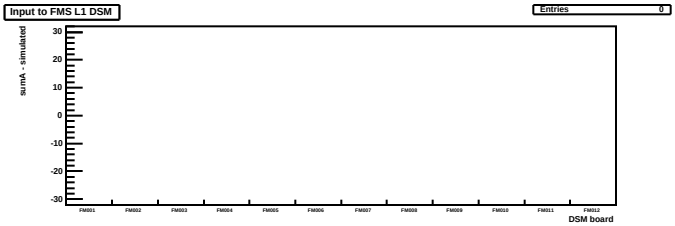

Input to FMS L1 DSM
Entries 1183572
sumB
DSM board

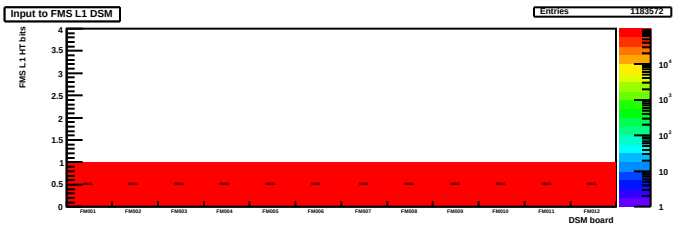

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

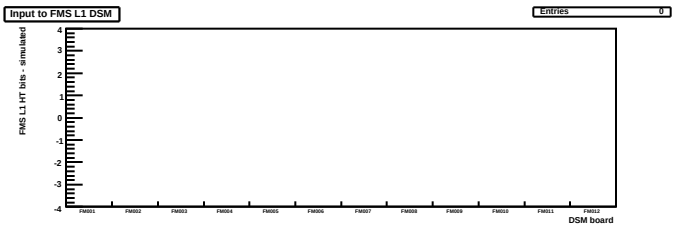

Input to FMS L1 DSM
Entries 1183572
sumAB
DSM board

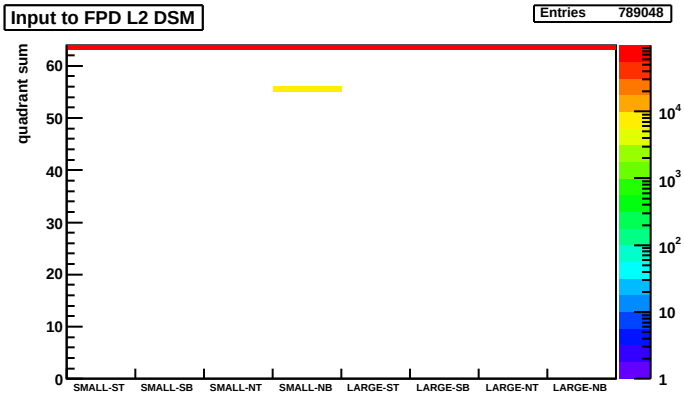

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

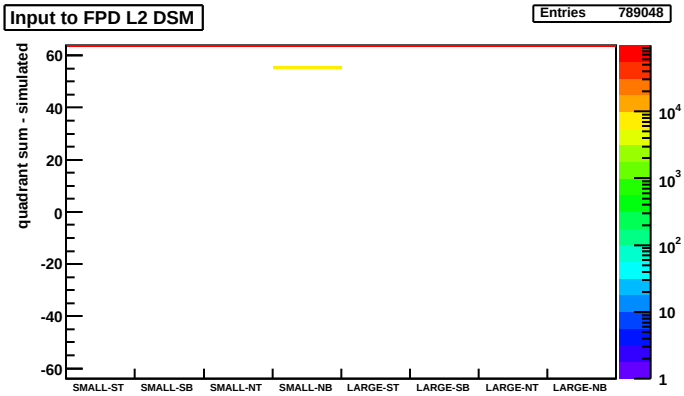

Input to FMS L1 DSM
Entries 1183572
sumA
DSM board

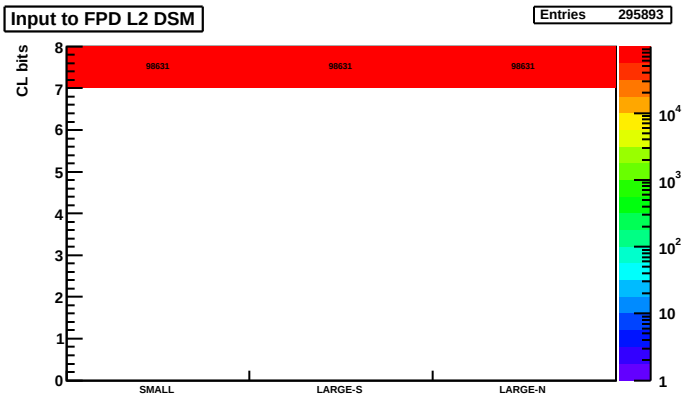

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

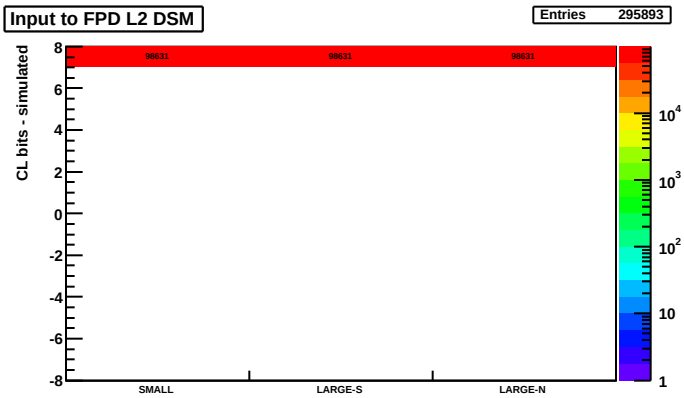

Input to FMS L1 DSM
Entries 1183572
FMS L1 HT bits
DSM board

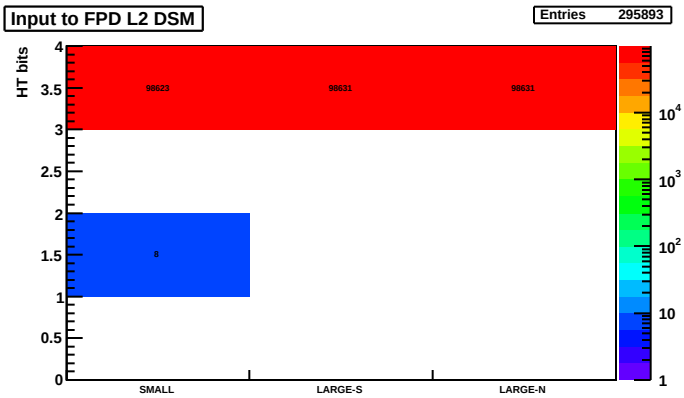

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

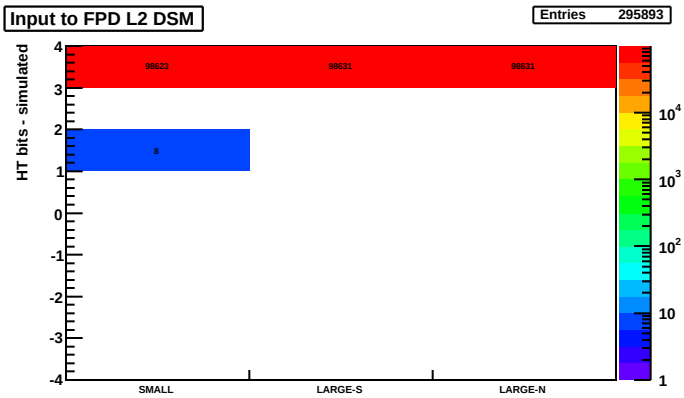

Input to FPD L2 DSM
Entries 789048
quadrant sum
SMALL-ST SMALL-SB SMALL-NT SMALL-NB LARGE-ST LARGE-SB LARGE-NT LARGE-NB

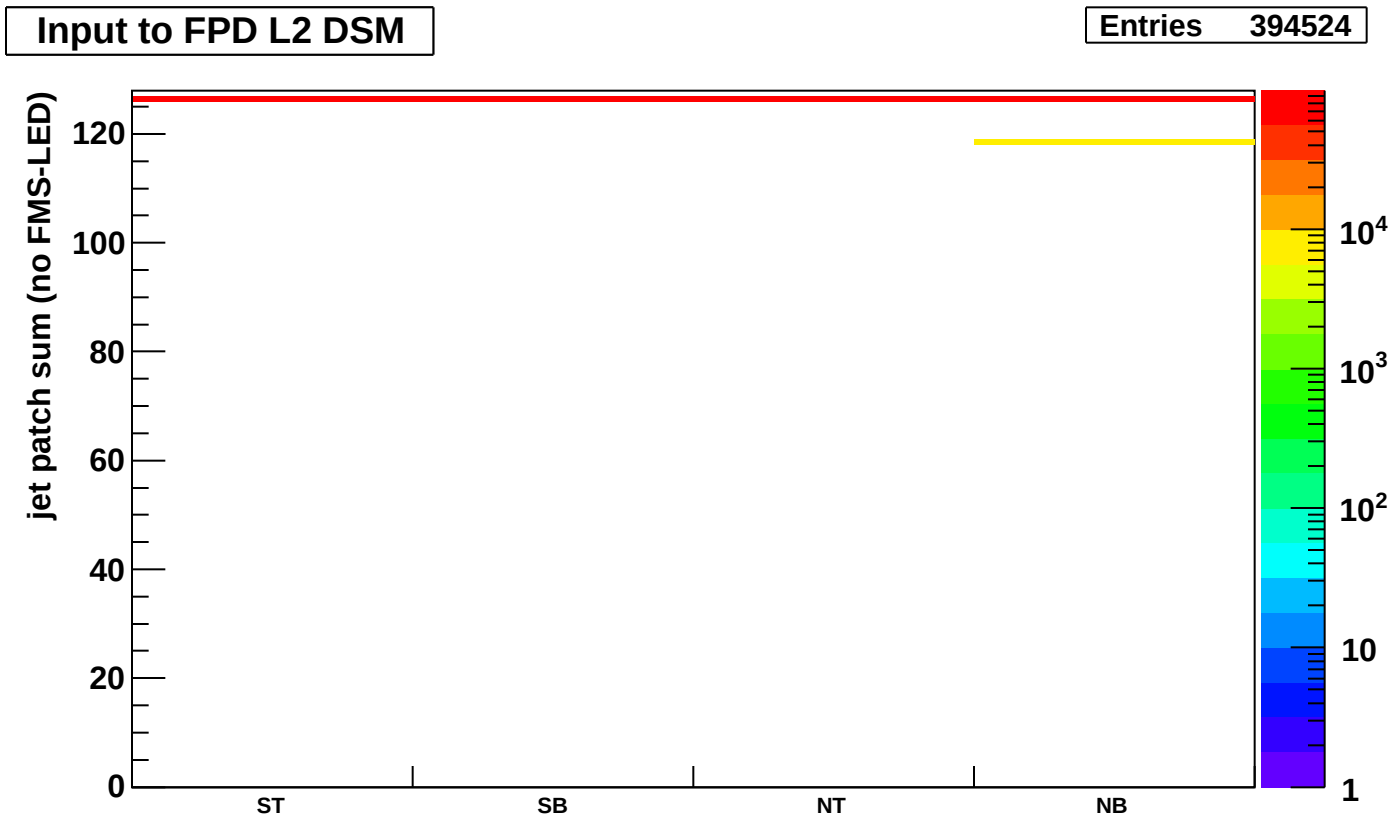

Input to FPD L2 DSM
Entries 789048
quadrant sum - simulated
SMALL-ST SMALL-SB SMALL-NT SMALL-NB LARGE-ST LARGE-SB LARGE-NT LARGE-NB

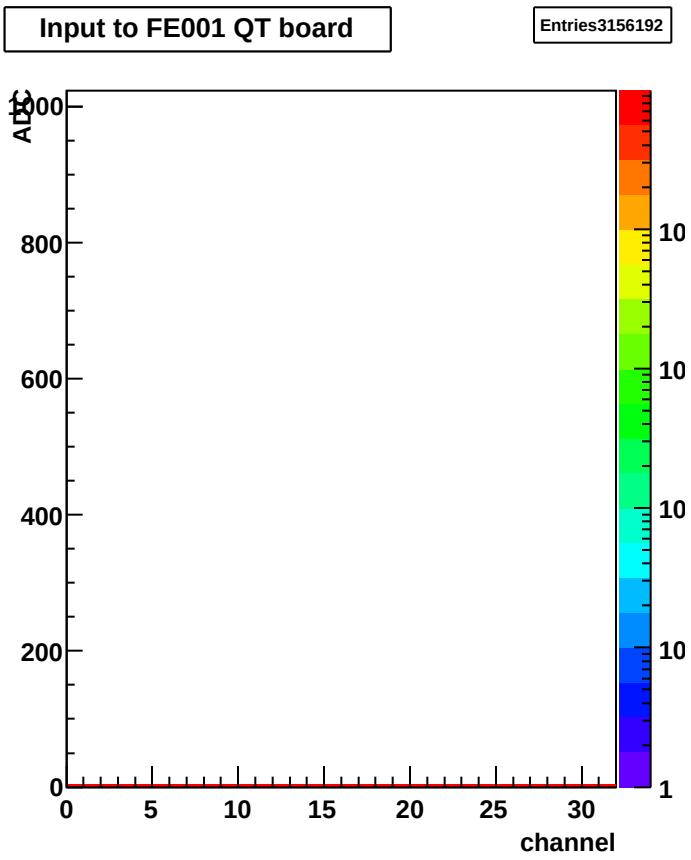

Input to FPD L2 DSM
Entries 295893
CL bits
98631 98631 98631
SMALL LARGE-S LARGE-N

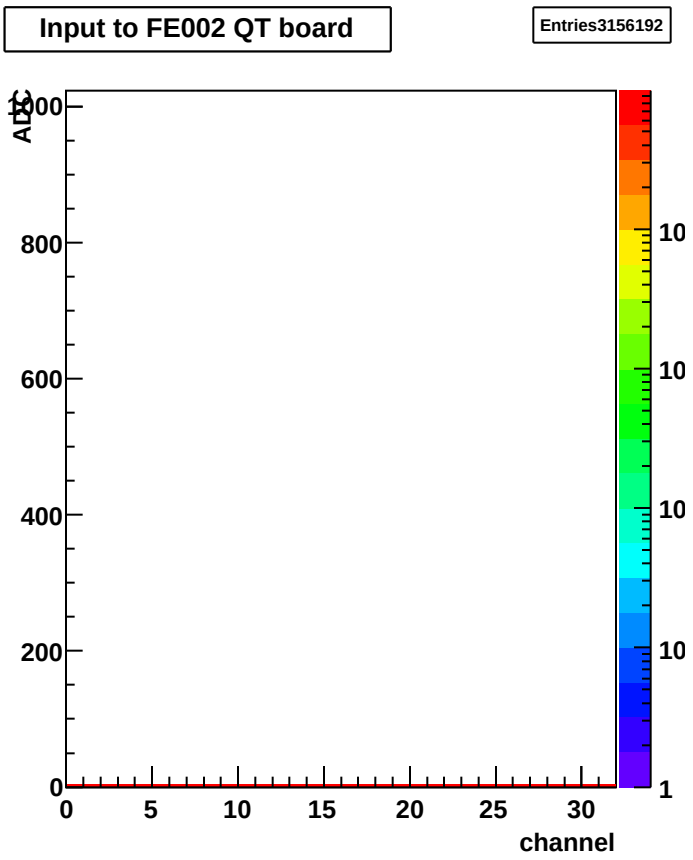

Input to FPD L2 DSM
Entries 295893
CL bits - simulated
98631 98631 98631
SMALL LARGE-S LARGE-N

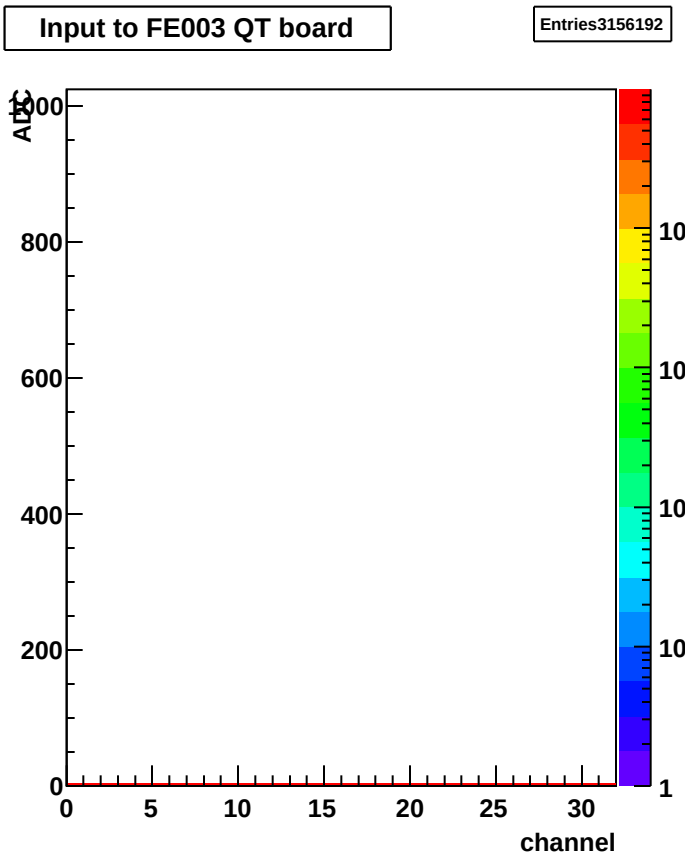

Input to FPD L2 DSM
Entries 295893
HT bits
98623 98631 98631
8
SMALL LARGE-S LARGE-N

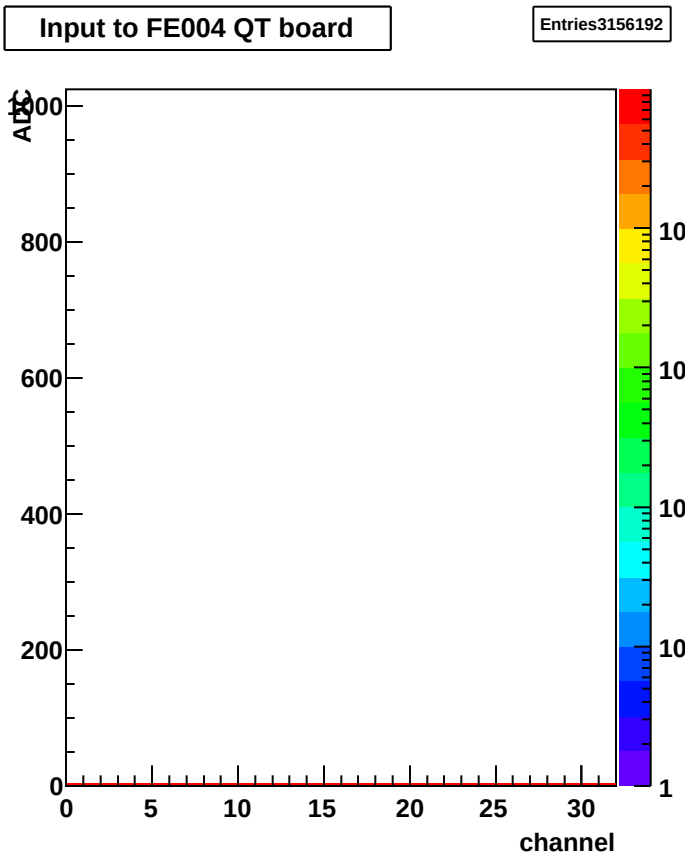

Input to FPD L2 DSM
Entries 295893
HT bits - simulated
98623 98631 98631
8
SMALL LARGE-S LARGE-N

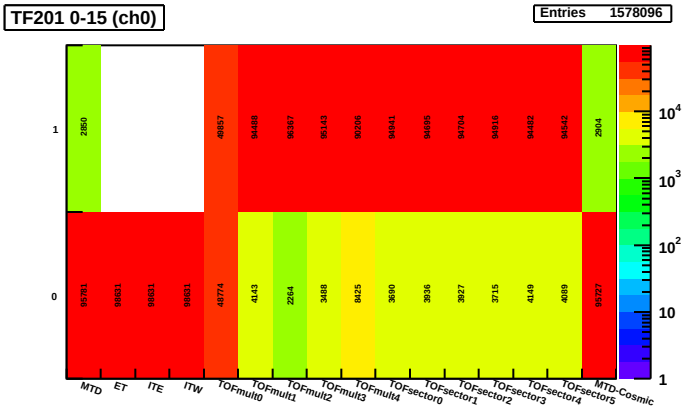

Input to FPD L2 DSM
Entries 394524
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4

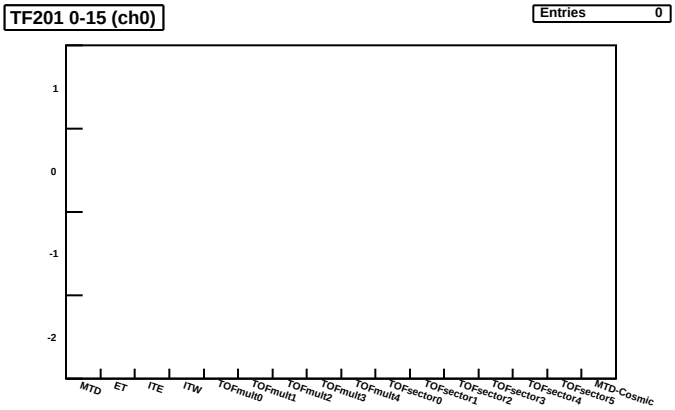

Input to FE001 QT board
Entries3156192
ADC
channel

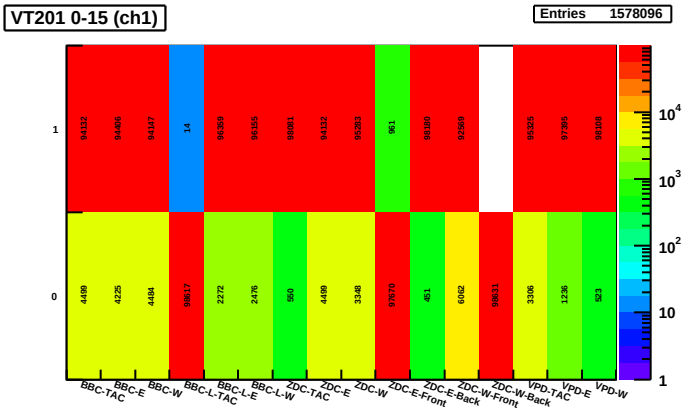

Input to FE002 QT board
Entries3156192
ADC
channel

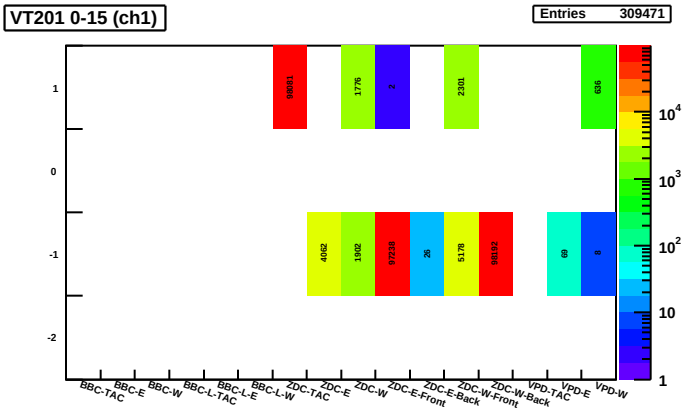

Input to FE003 QT board
Entries3156192
ADC
channel

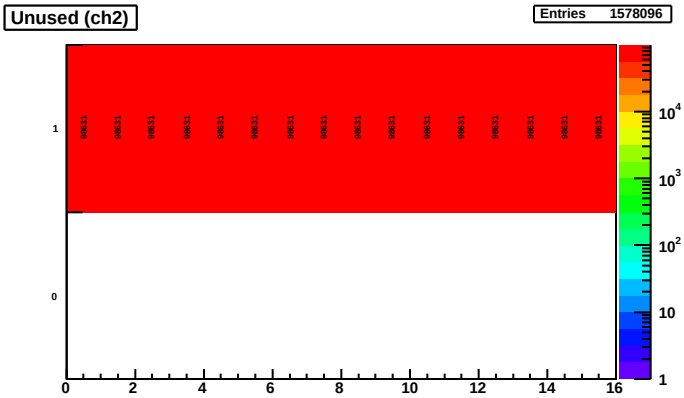

Input to FE004 QT board
Entries3156192
ADC
channel

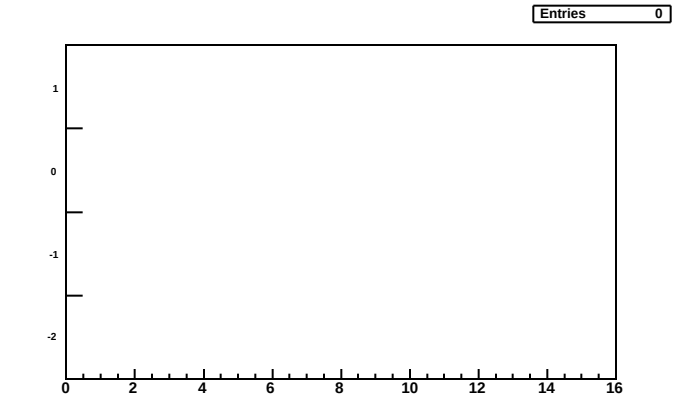

TF201 0-15 (ch0)
Entries 1578096
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

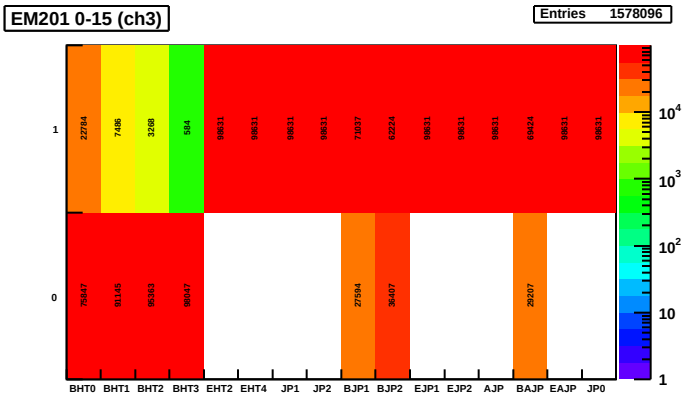

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

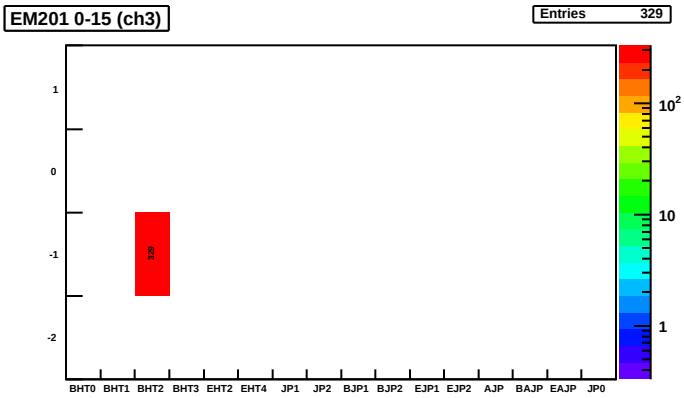

VT201 0-15 (ch1)
Entries 1578096
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 309471
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

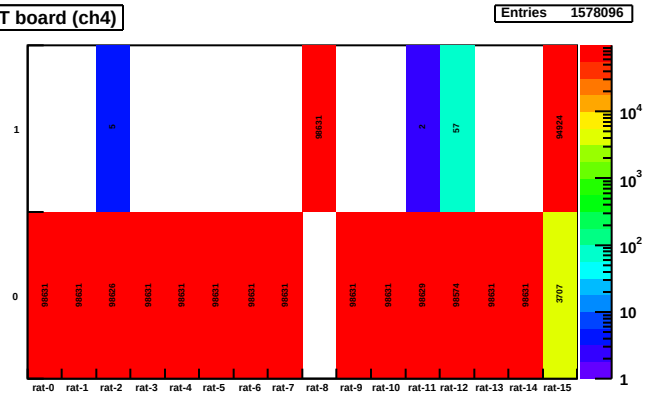

Unused (ch2)
Entries 1578096

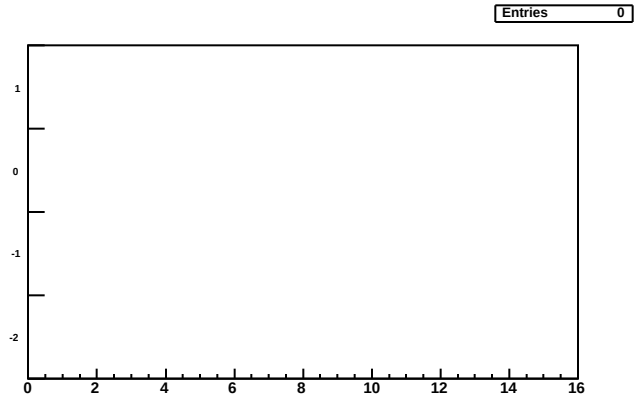

Entries 0


EM201 0-15 (ch3)
Entries 1578096
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

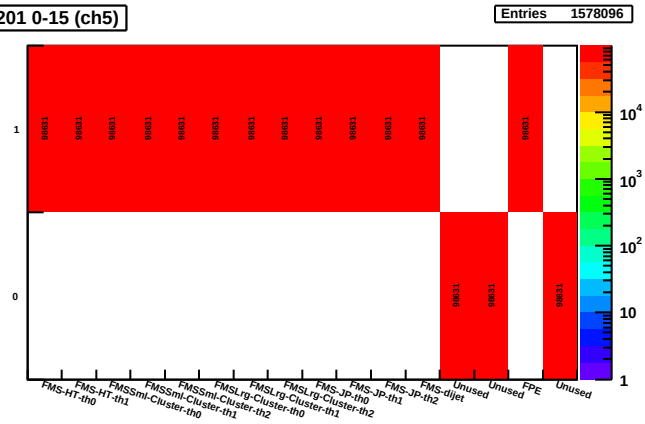

EM201 0-15 (ch3)
Entries 329
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

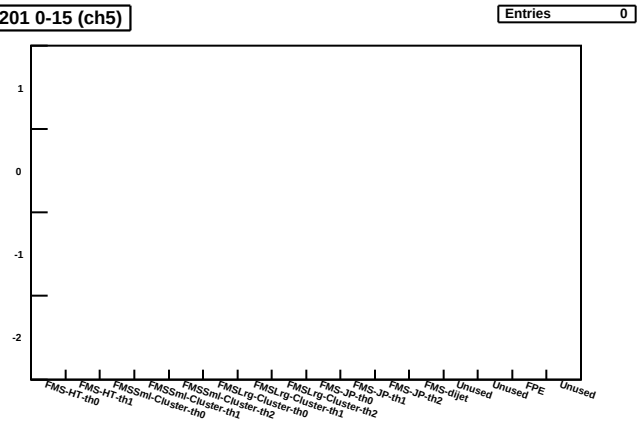




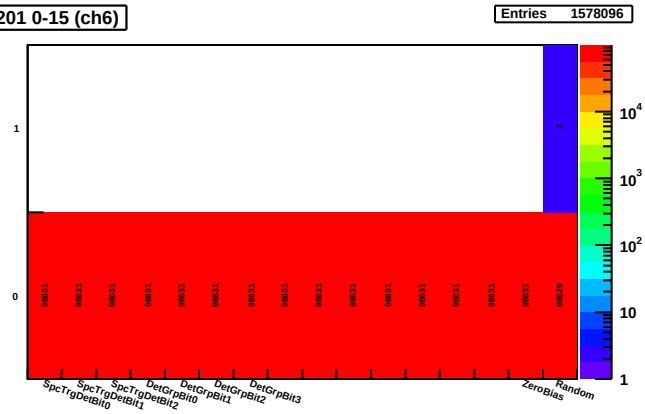
FP201 0-15 (ch5)

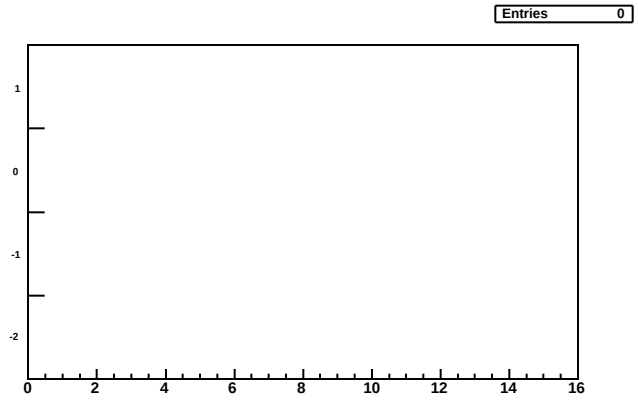
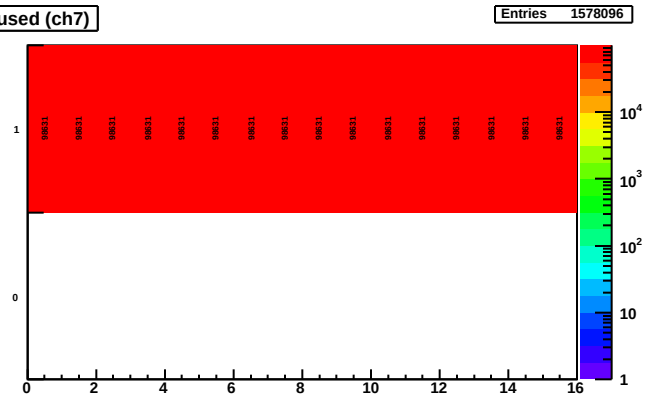
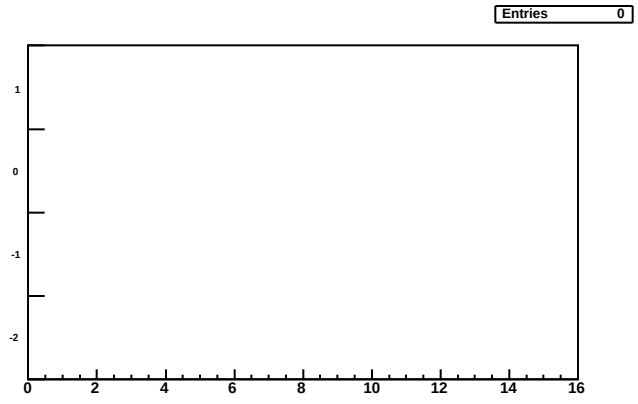


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)