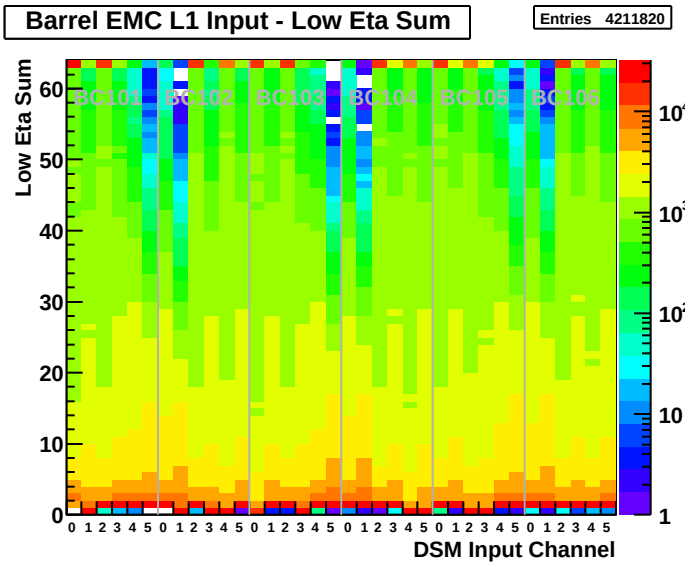
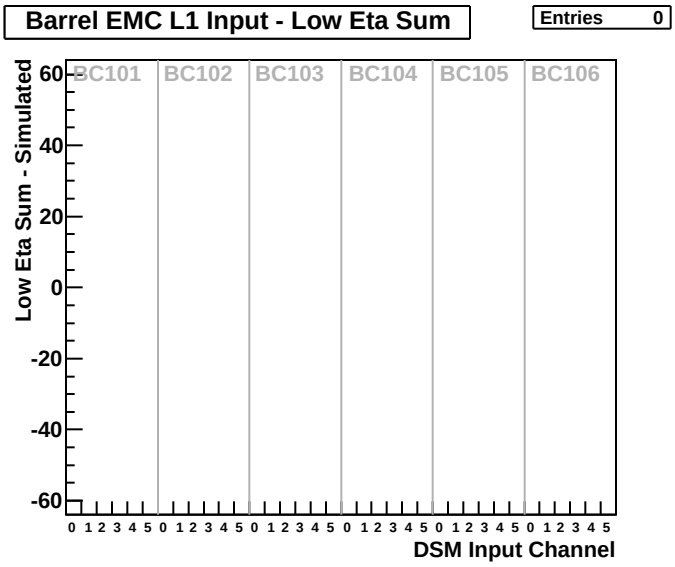
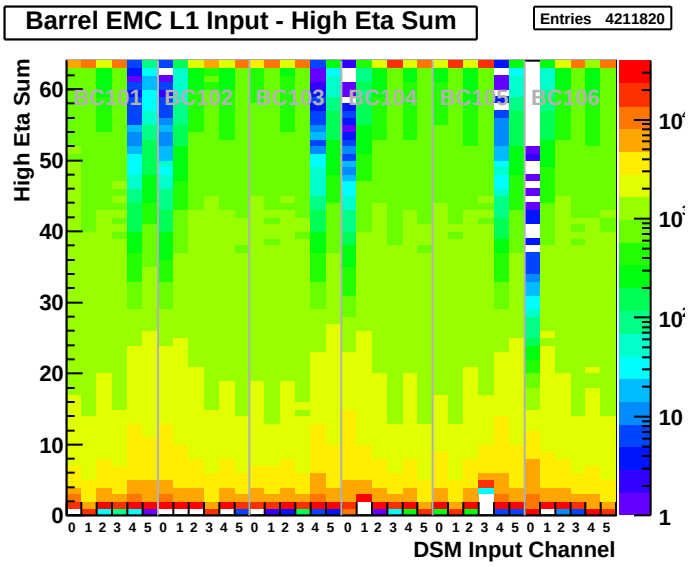
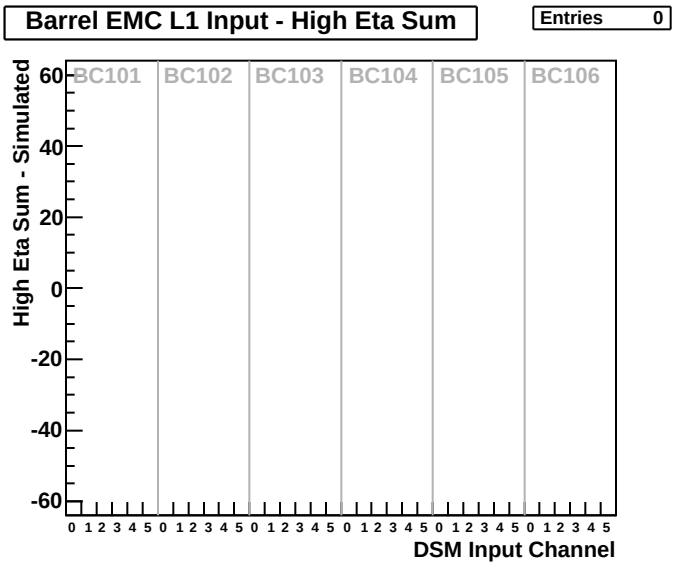
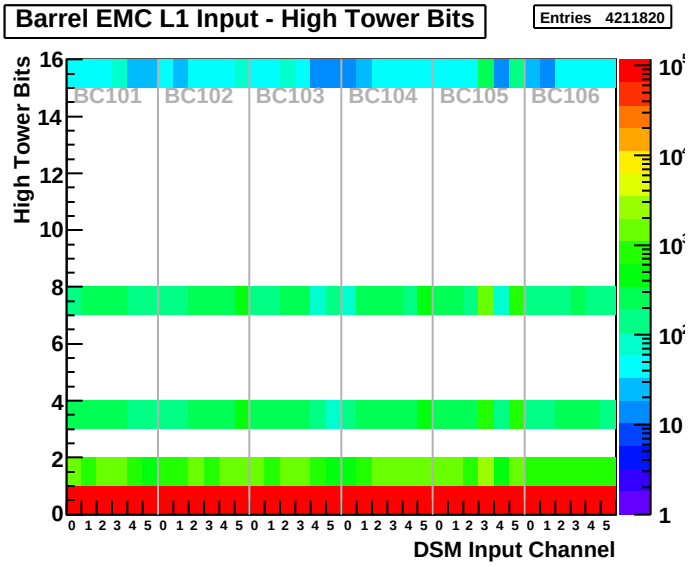
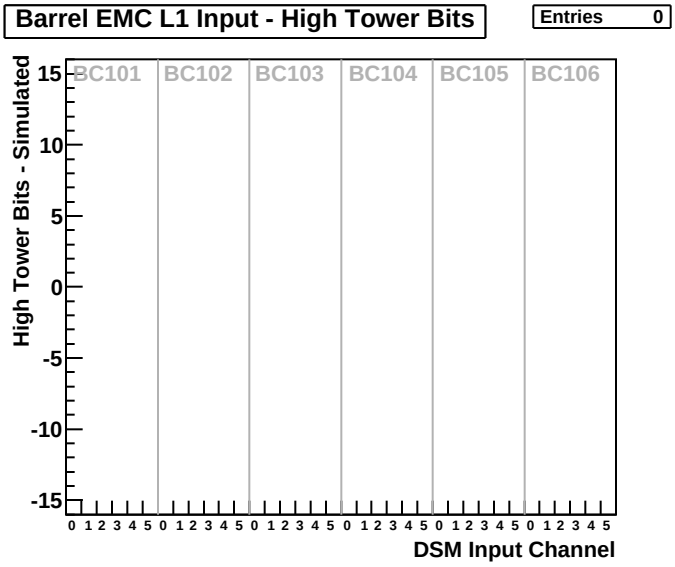

Barrel EMC L1 Input - Low Eta Sum
Entries 4211820
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

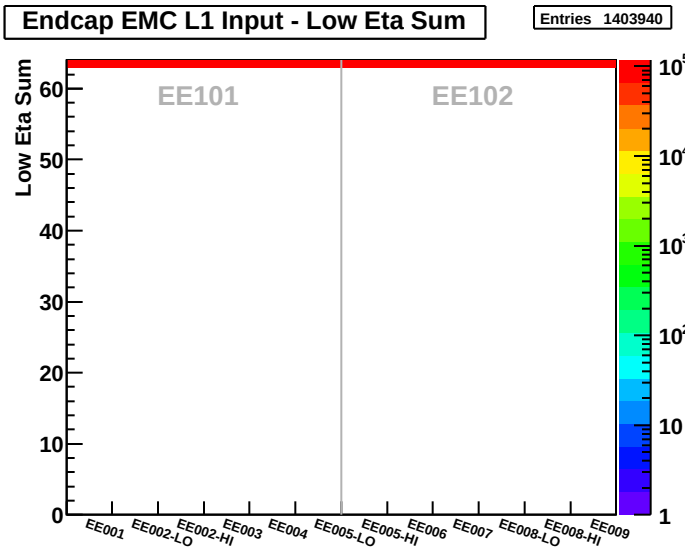

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

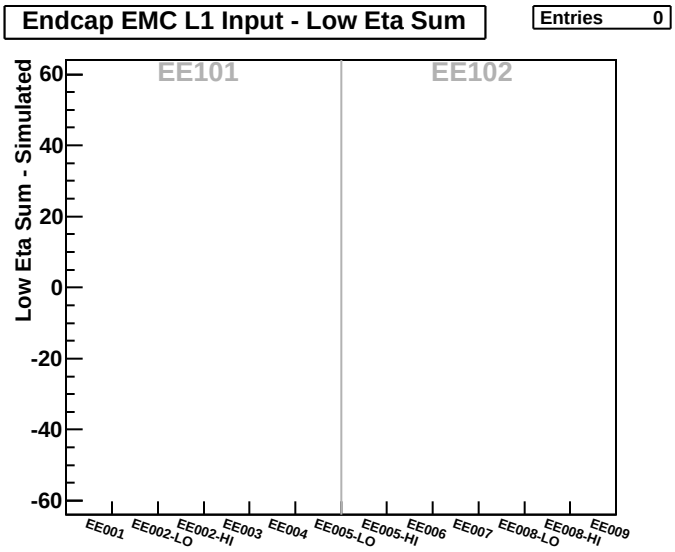

Barrel EMC L1 Input - High Eta Sum
Entries 4211820
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

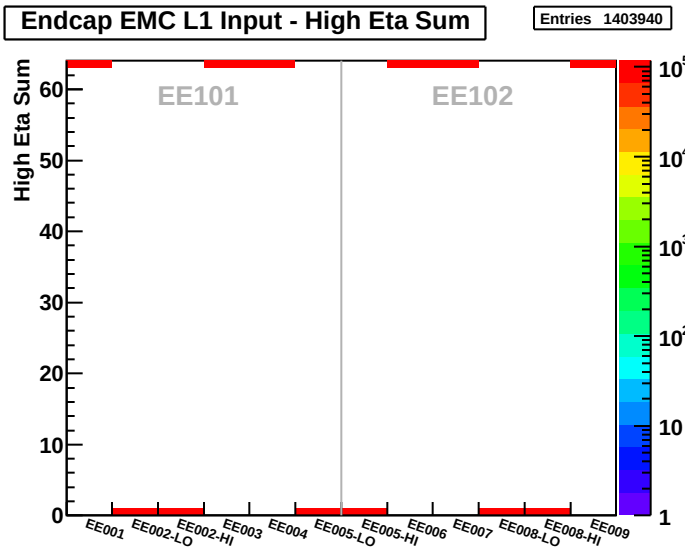

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

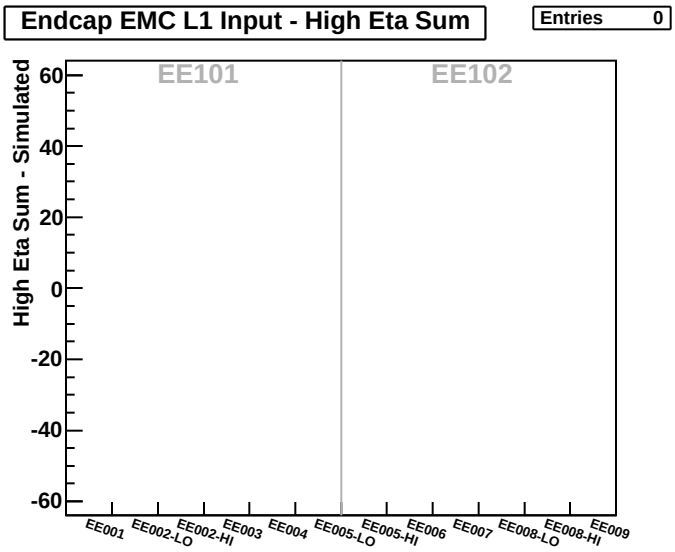

Barrel EMC L1 Input - High Tower Bits
Entries 4211820
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

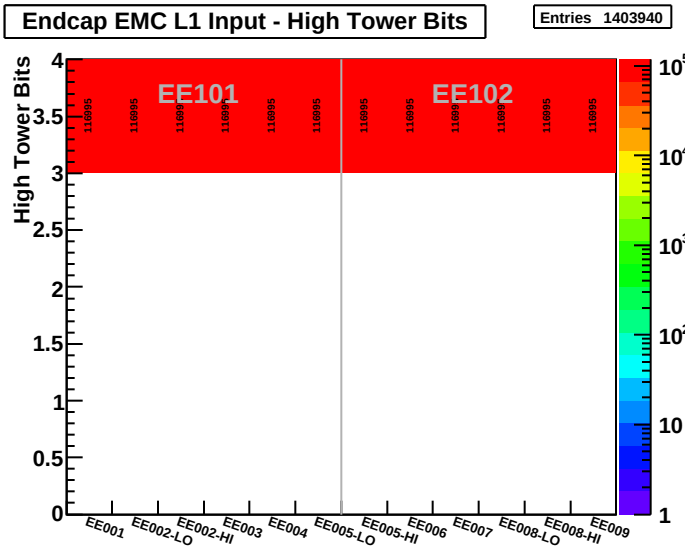

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

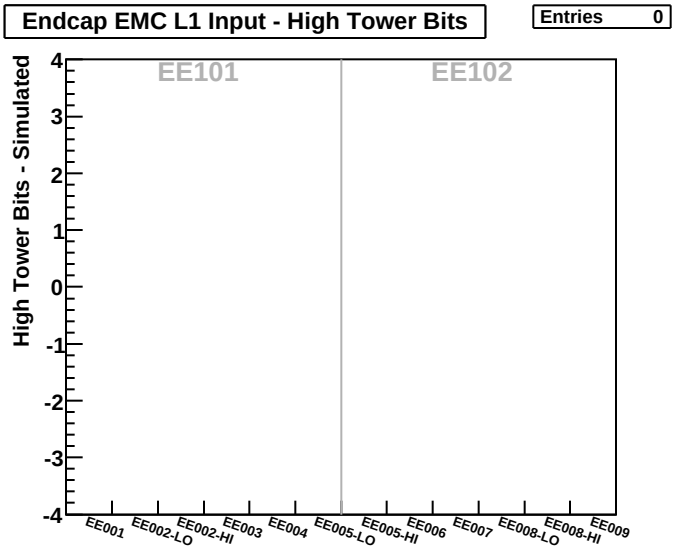

Endcap EMC L1 Input - Low Eta Sum
Entries 1403940
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

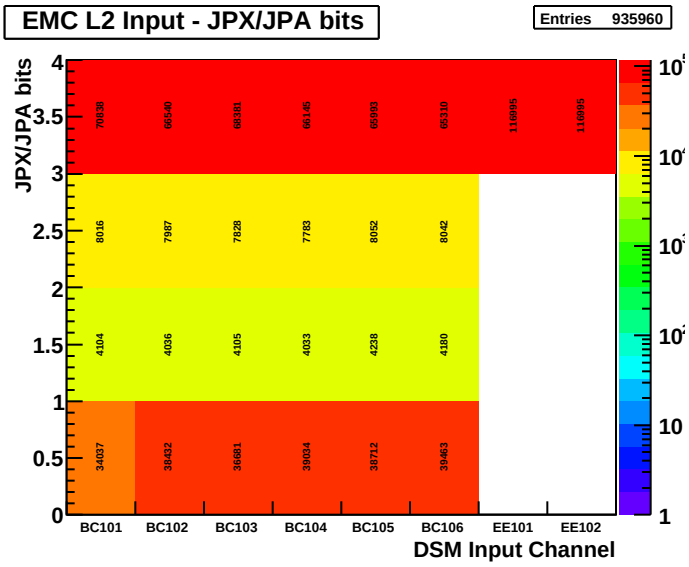

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

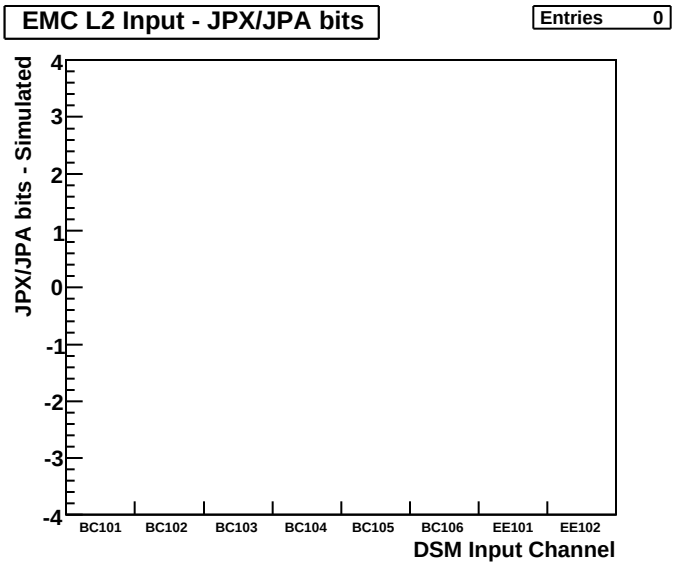

Endcap EMC L1 Input - High Eta Sum
Entries 1403940
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

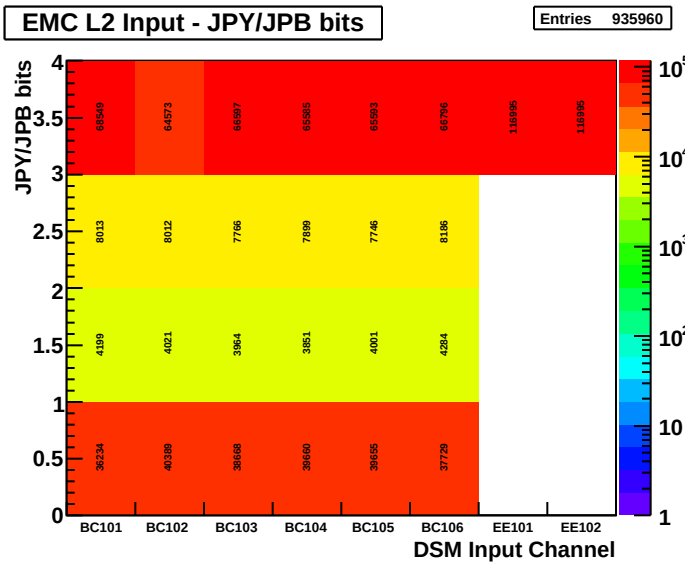

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

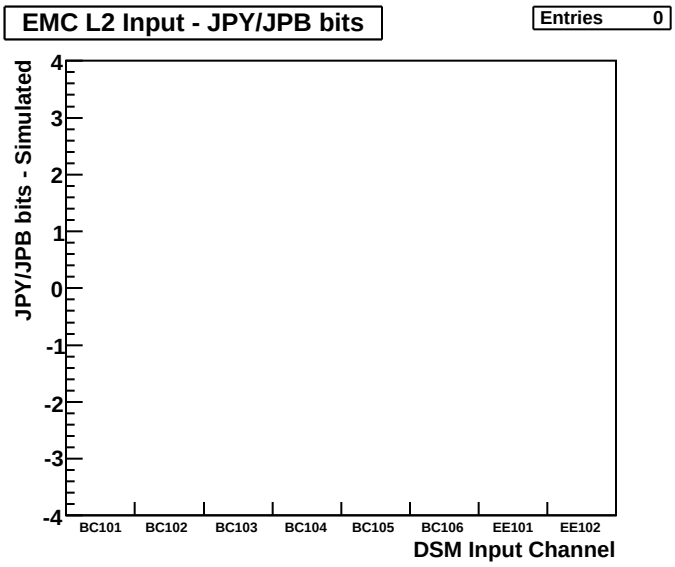

Endcap EMC L1 Input - High Tower Bits
Entries 1403940
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

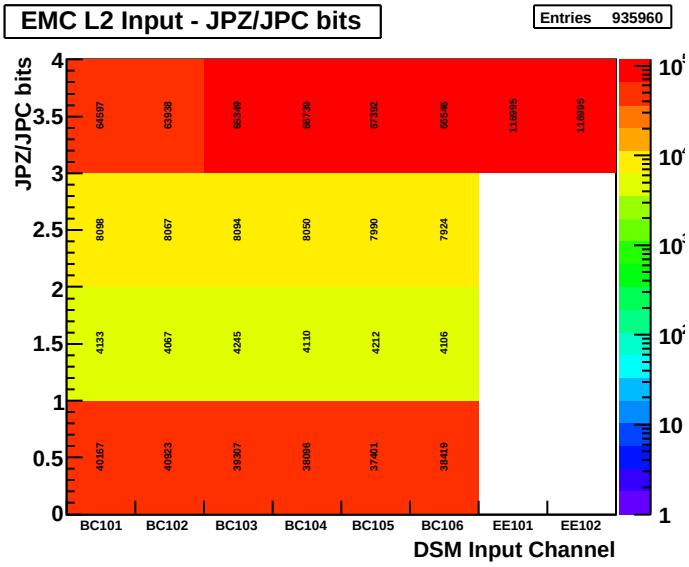

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

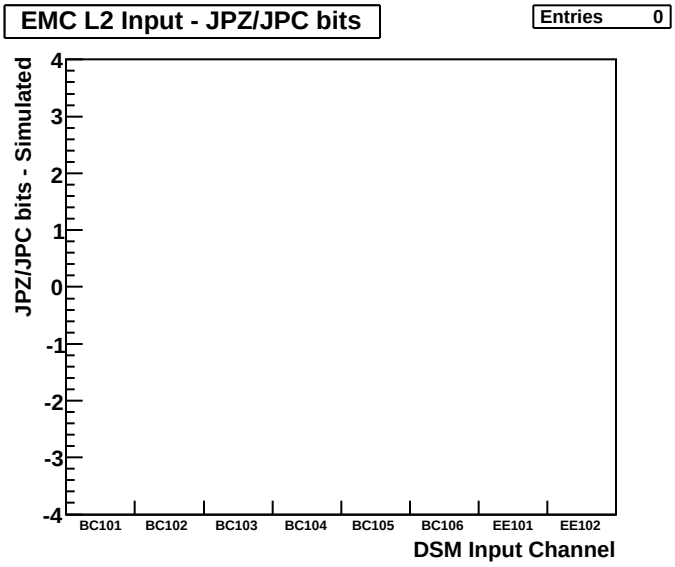

EMC L2 Input - JPX/JPA bits
Entries 935960
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
70638 66540 68381 66145 65993 65310 116995 116995
8016 7987 7828 7783 8052 8042
4104 4036 4105 4033 4238 4180
34037 38432 36681 39034 38712 39463

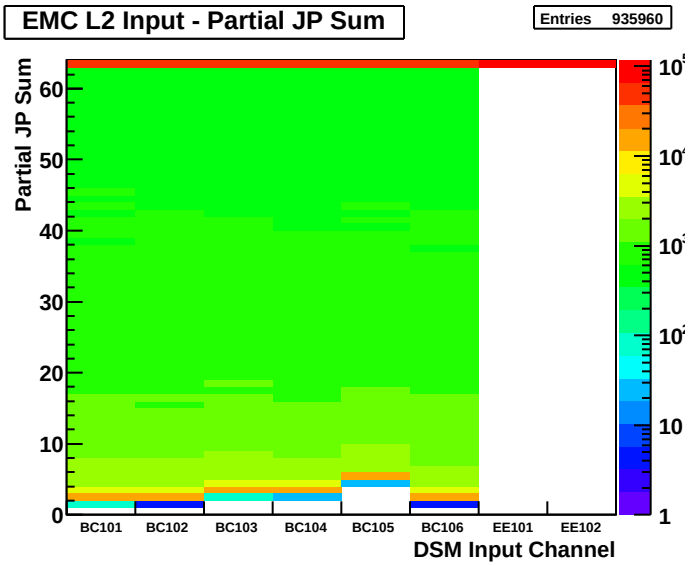

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

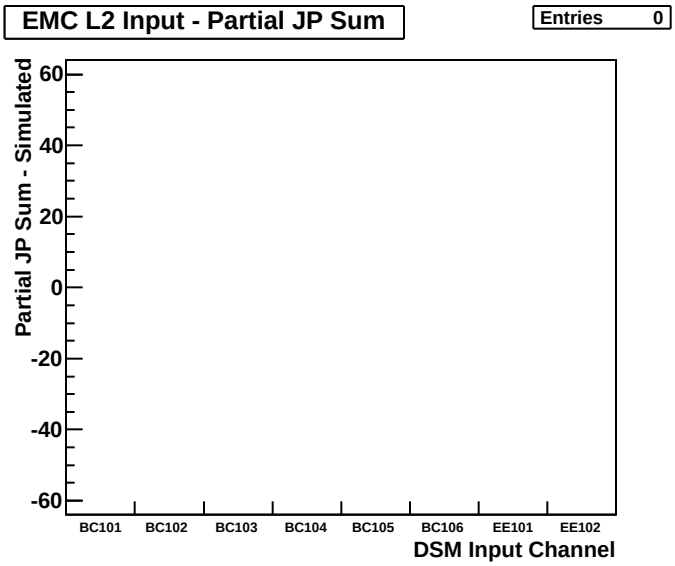

EMC L2 Input - JPY/JPB bits
Entries 935960
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
65549 64573 65587 65585 65593 66796 116995 116995
8013 8012 7766 7899 7746 8186
4199 4021 3964 3851 4001 4284
36234 40389 38668 39660 39655 37729

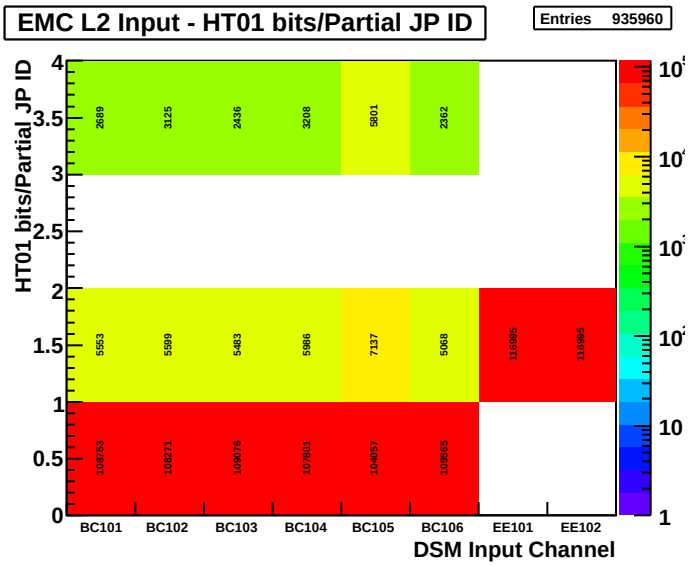

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

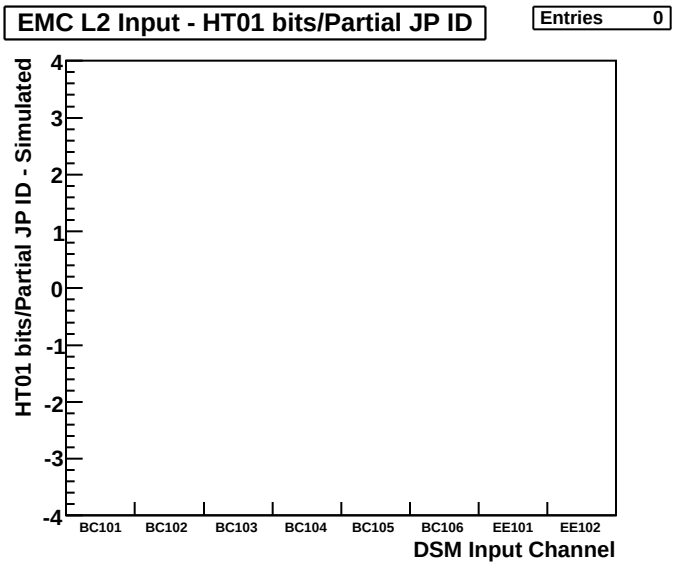

EMC L2 Input - JPZ/JPC bits
Entries 935960
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
64597 63938 65340 66739 67392 66546 116995 116995
8098 8067 8094 8050 7990 7924
4133 4067 4245 4110 4212 4106
40167 40923 39307 38096 37401 38419

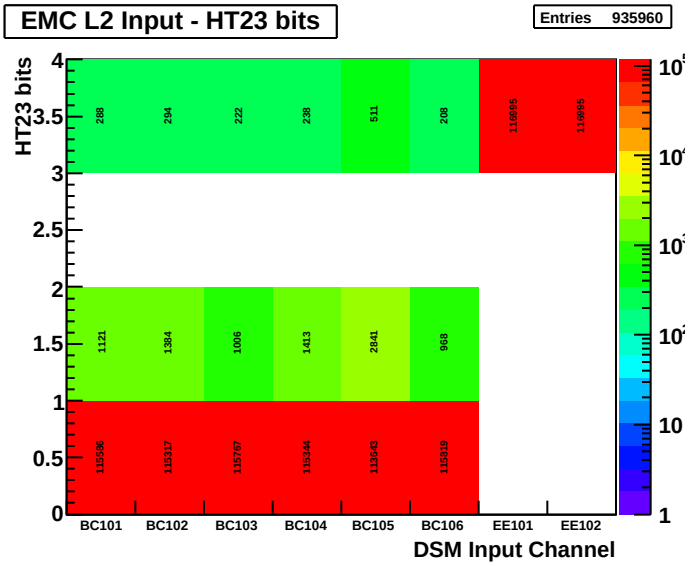

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

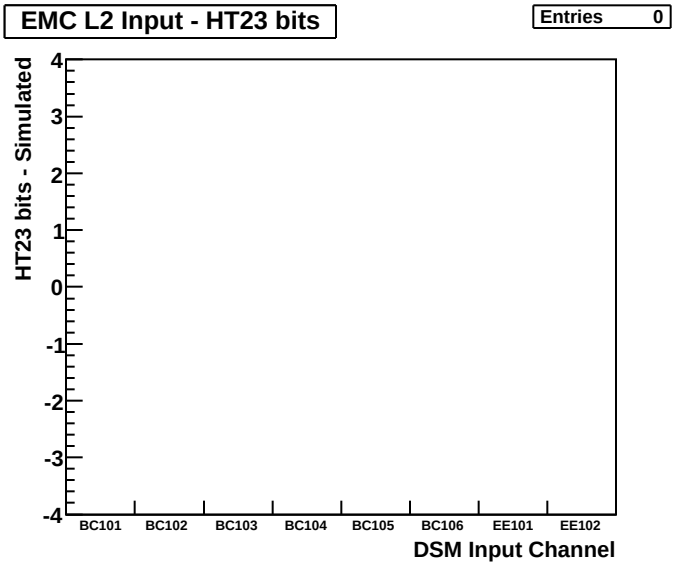

EMC L2 Input - Partial JP Sum
Entries 935960
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

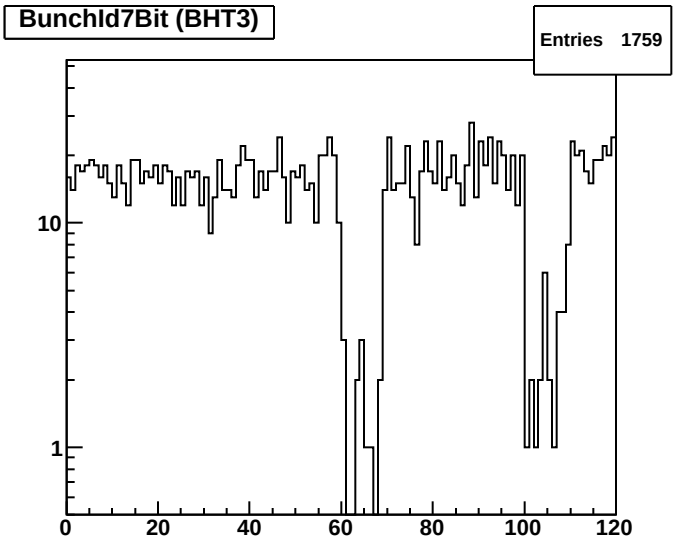

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

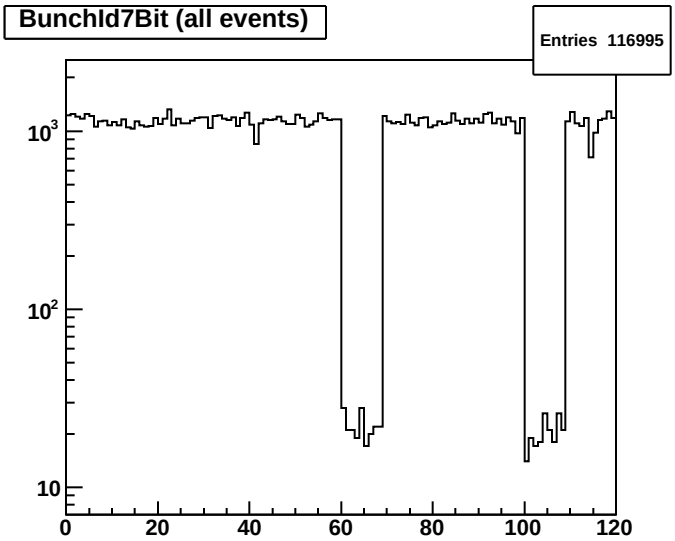

EMC L2 Input - HT01 bits/Partial JP ID
Entries 935960
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

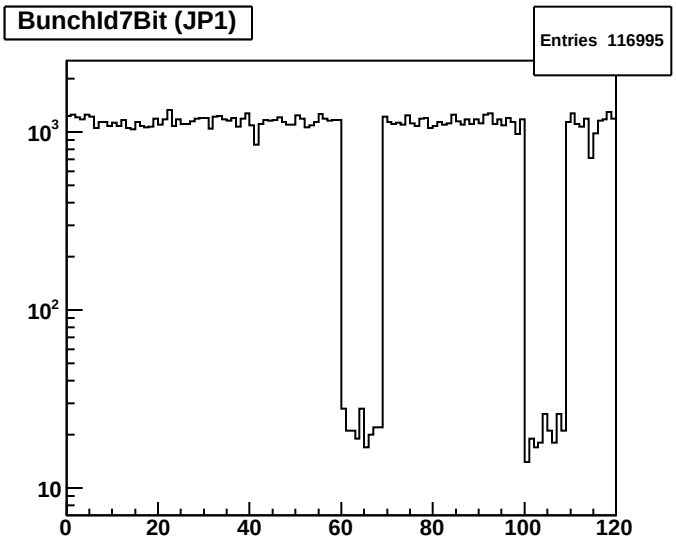

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

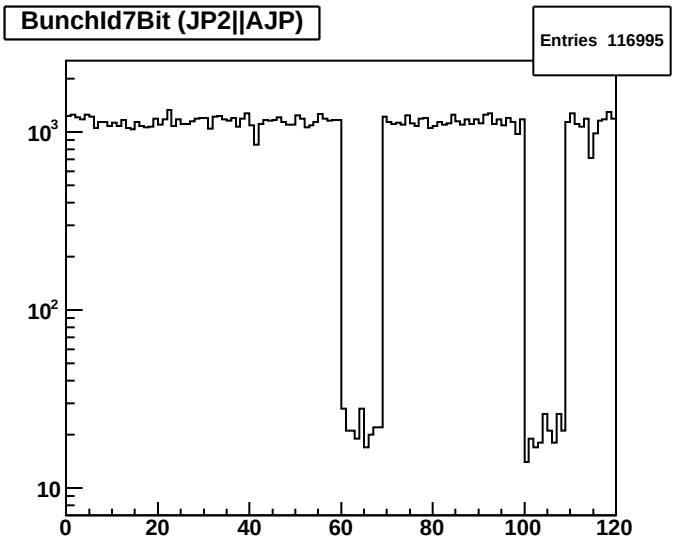

EMC L2 Input - HT23 bits
Entries 935960
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

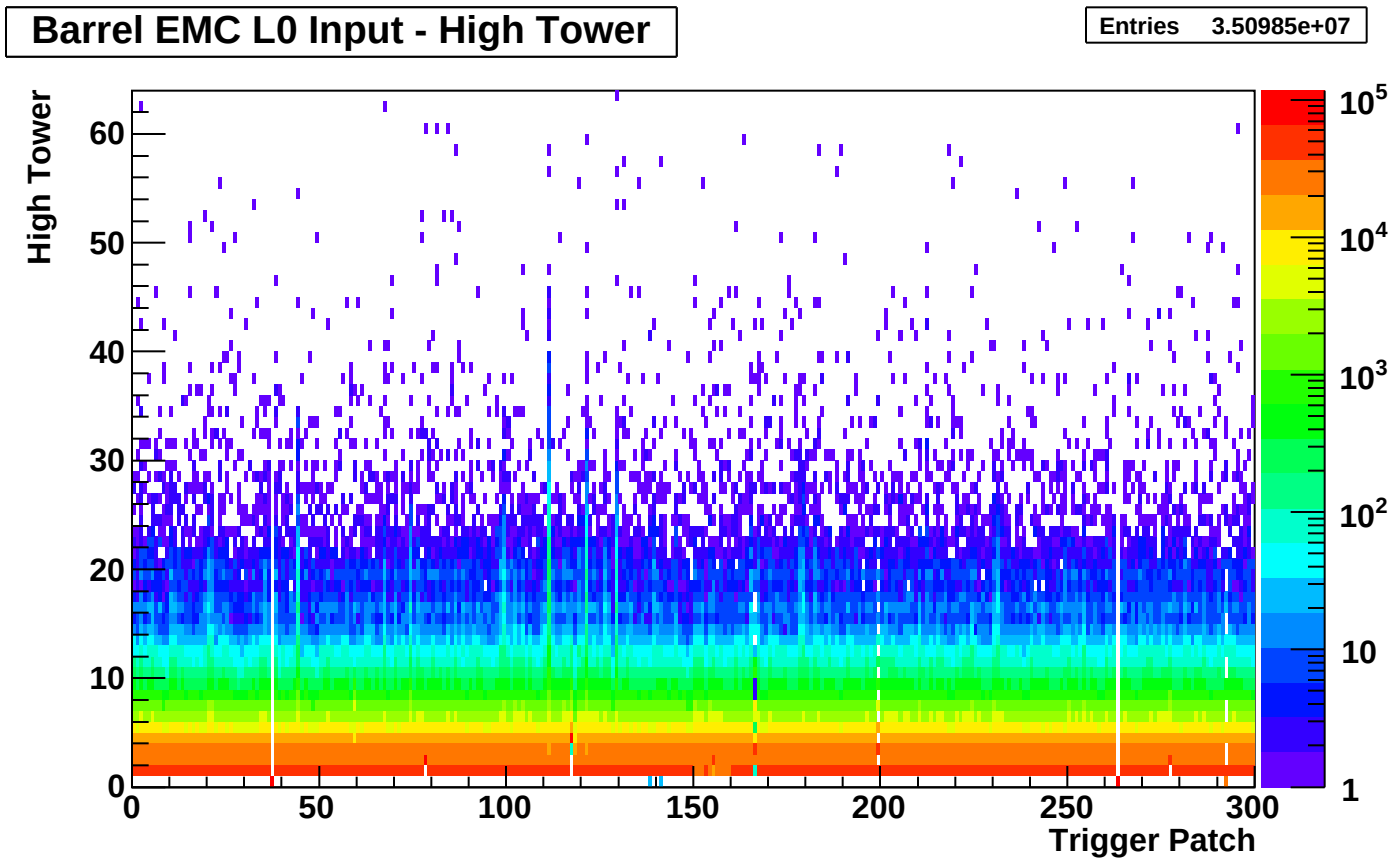

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

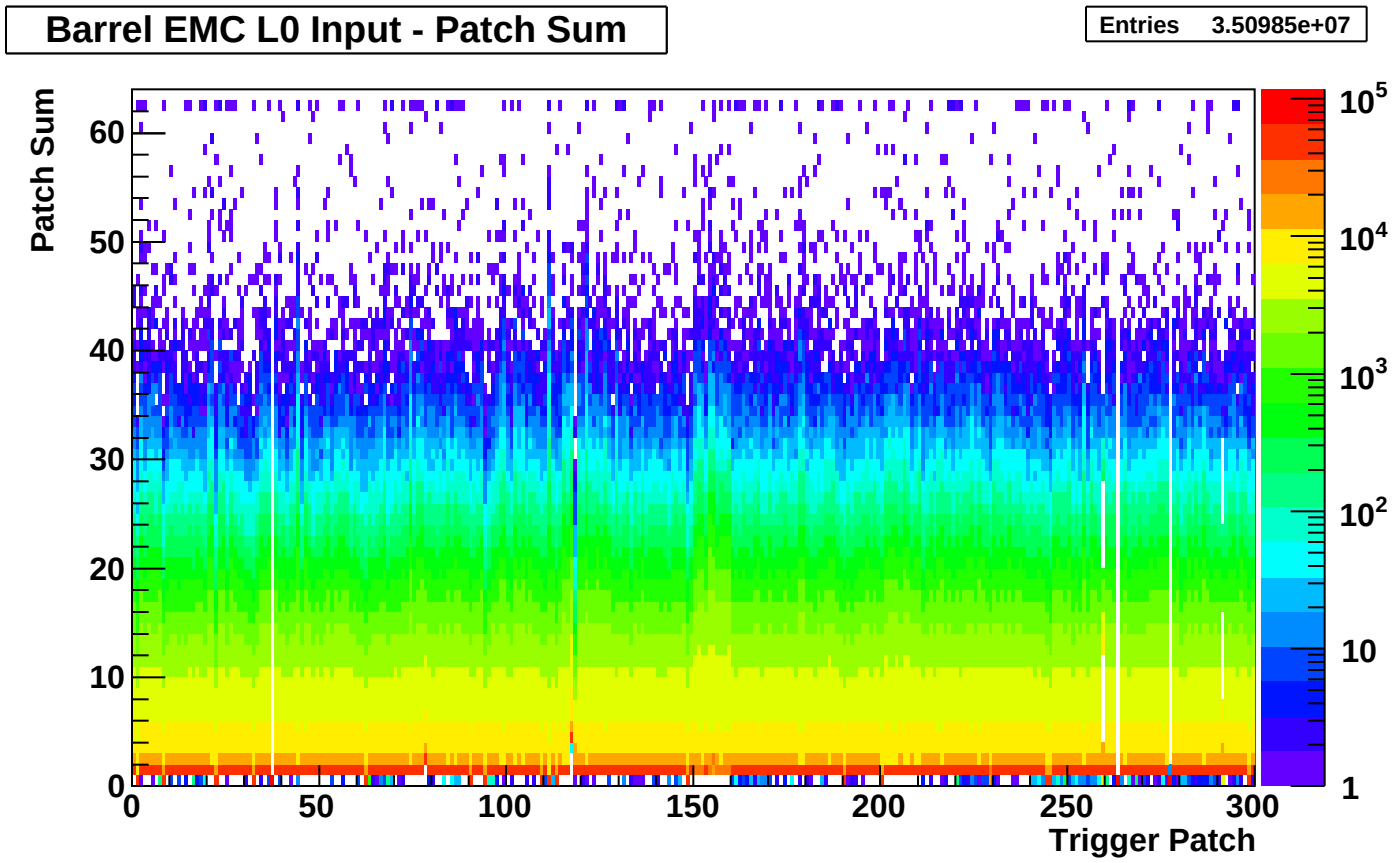

BunchId7Bit (BHT3)
Entries 1759
10
1
0
20
40
60
80
100
120

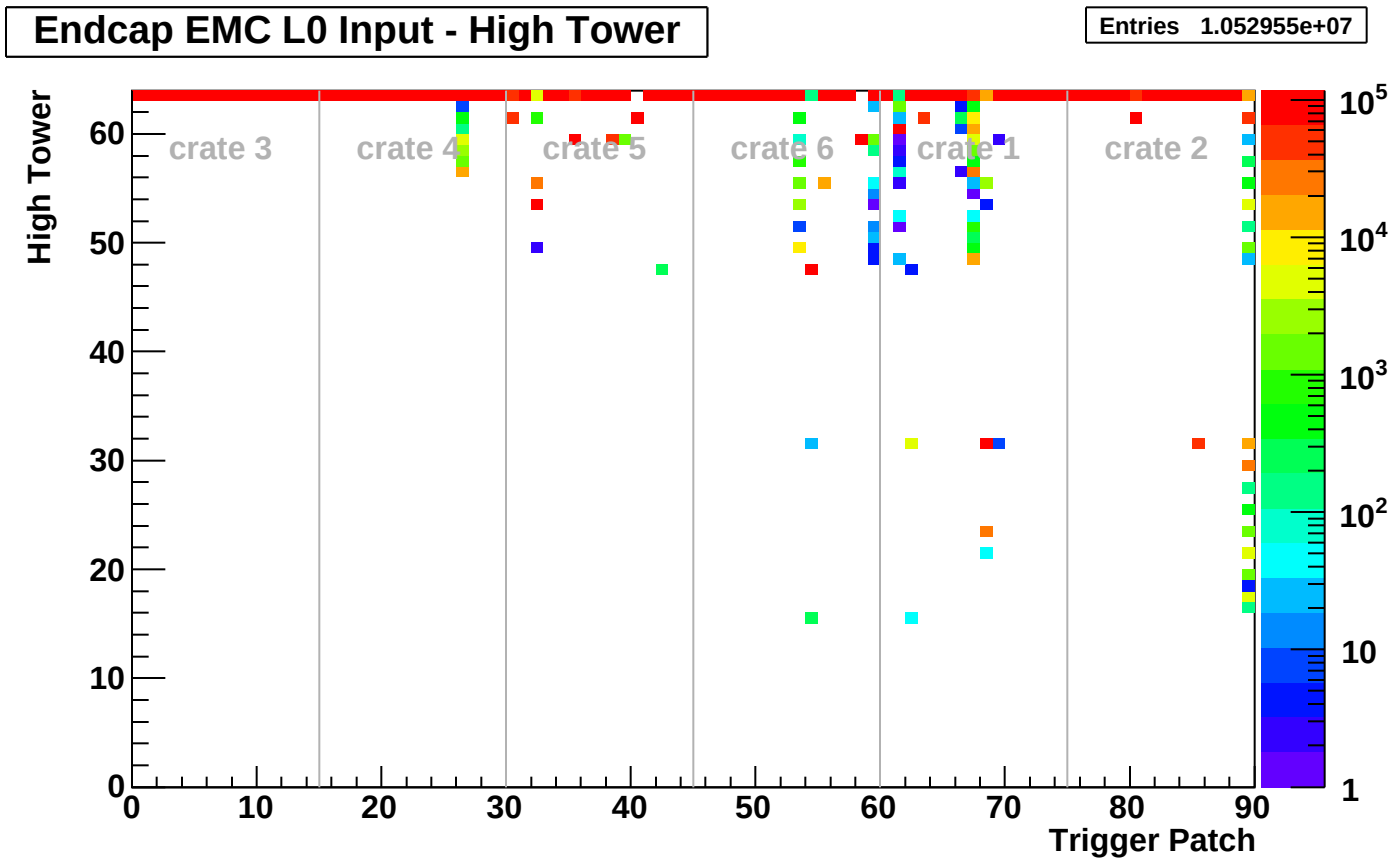

BunchId7Bit (all events)
Entries 116995
10^3
10^2
10
0
20
40
60
80
100
120

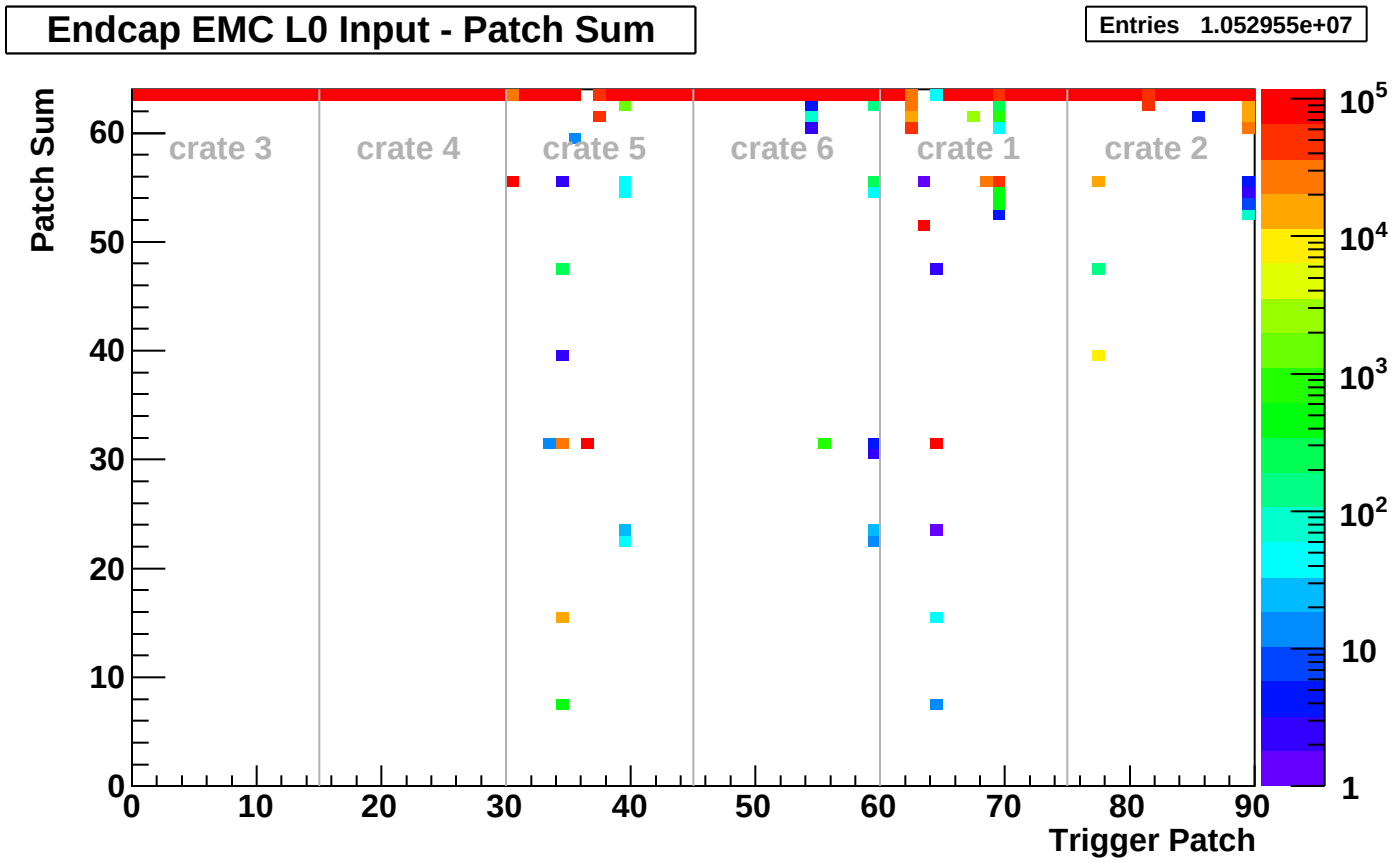

BunchId7Bit (JP1)
Entries 116995
10^3
10^2
10
0
20
40
60
80
100
120

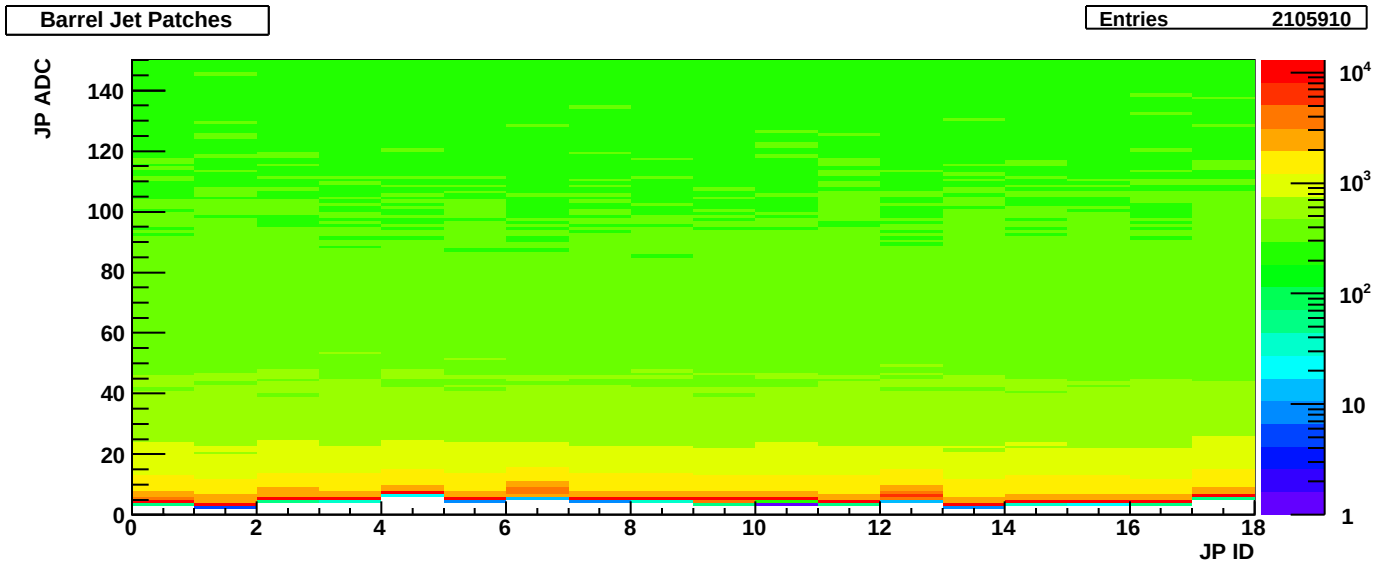

BunchId7Bit (JP2||AJP)
Entries 116995
10^3
10^2
10
0
20
40
60
80
100
120

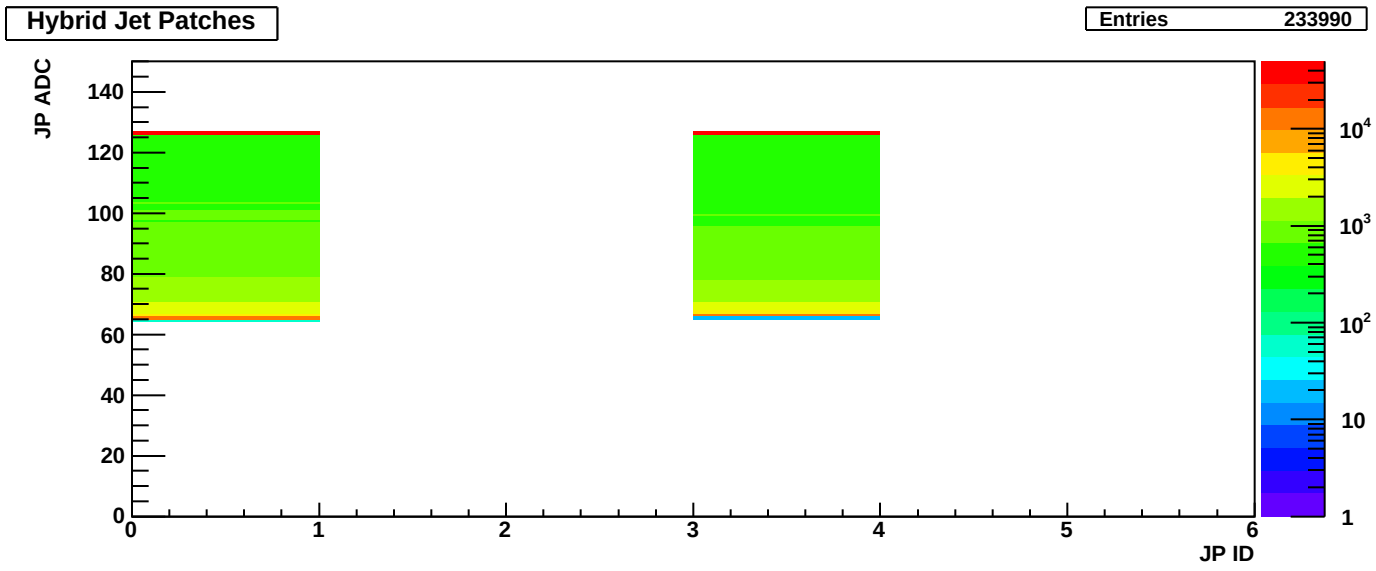

Barrel EMC L0 Input - High Tower
Entries 3.50985e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

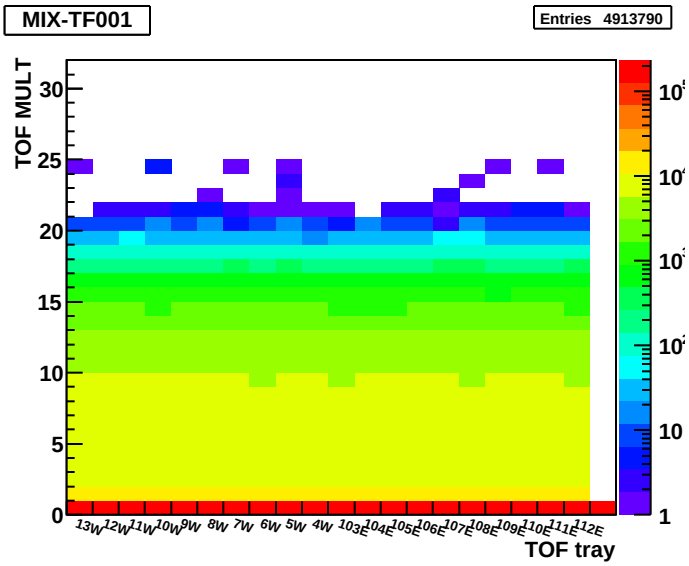

Barrel EMC L0 Input - Patch Sum
Entries 3.50985e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

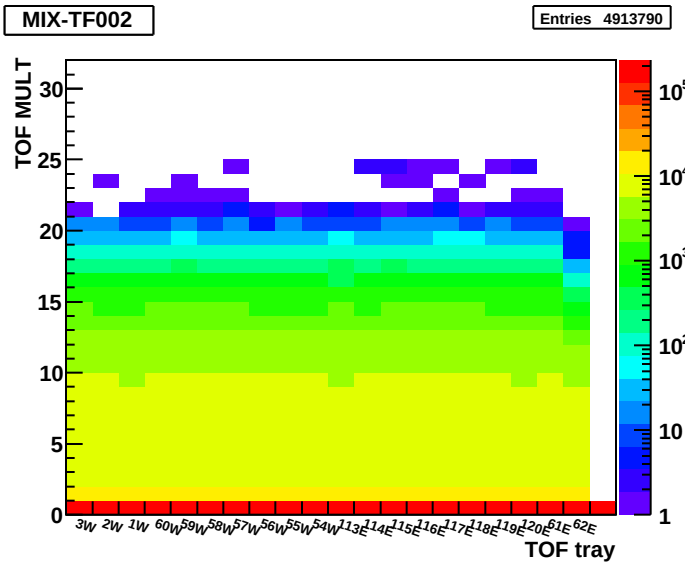

Endcap EMC L0 Input - High Tower
Entries 1.052955e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

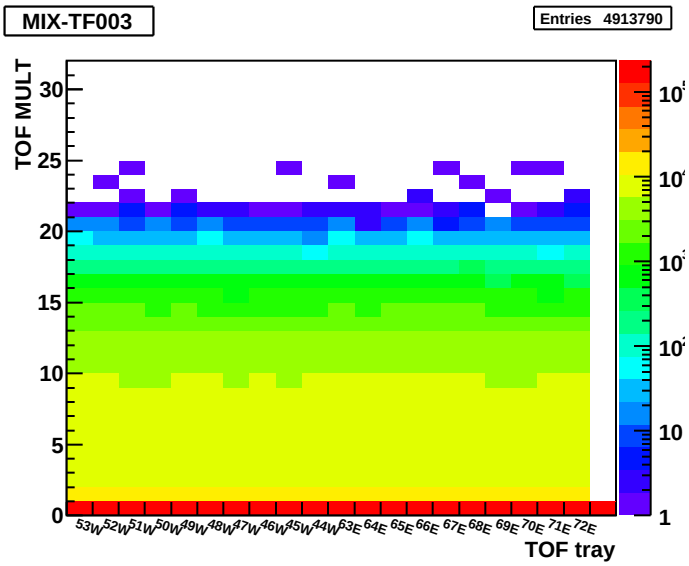

Endcap EMC L0 Input - Patch Sum
Entries 1.052955e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

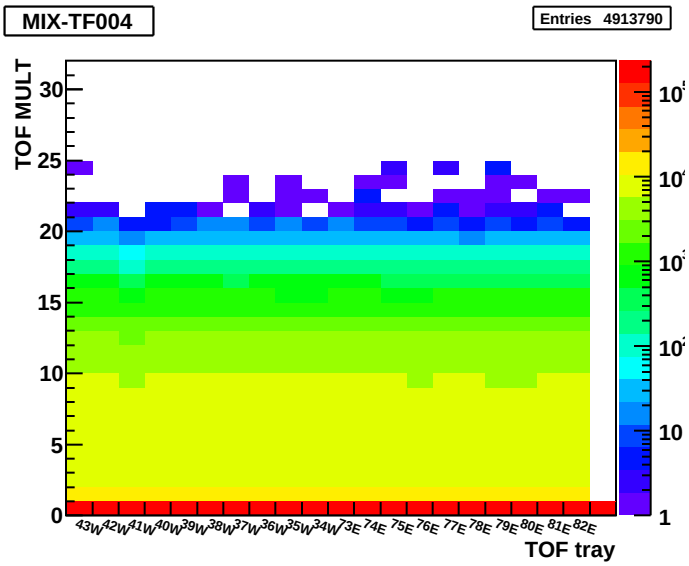

Barrel Jet Patches
Entries 2105910
JP ADC
JP ID

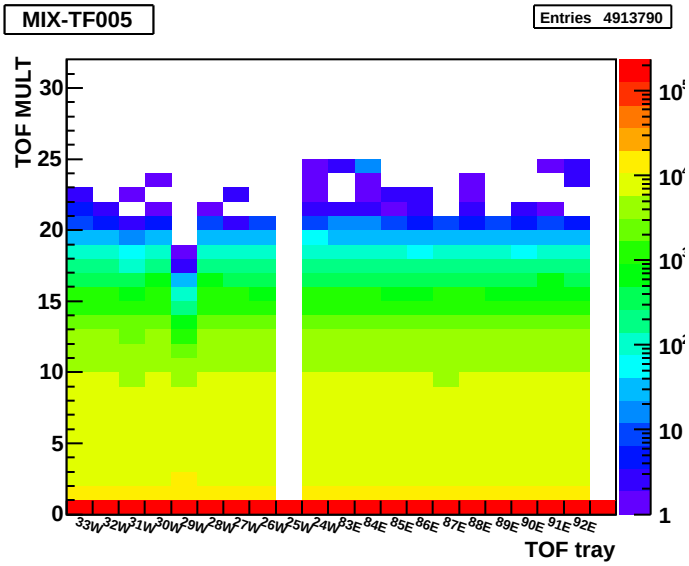

Hybrid Jet Patches
Entries 233990
JP ADC
JP ID

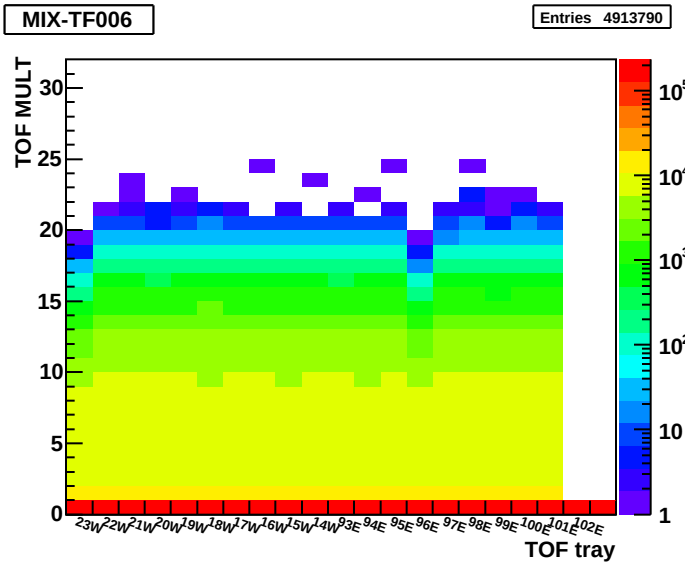

MIX-TF001
Entries 4913790
TOF MULT
TOF tray

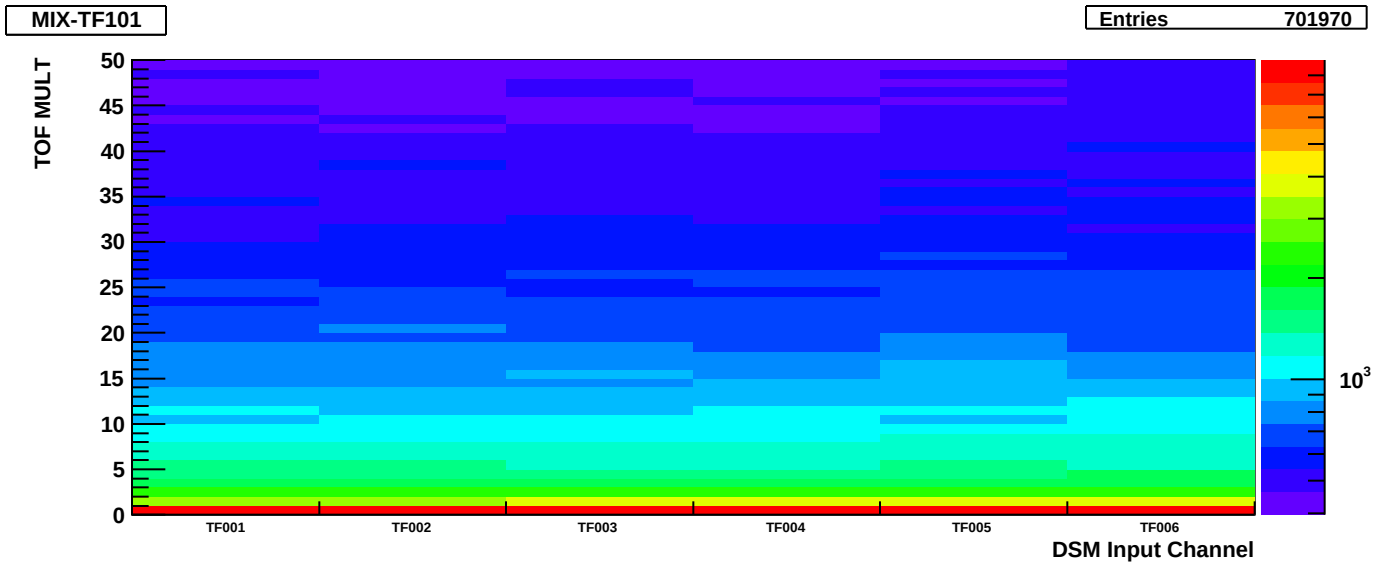

MIX-TF002
Entries 4913790
TOF MULT
TOF tray

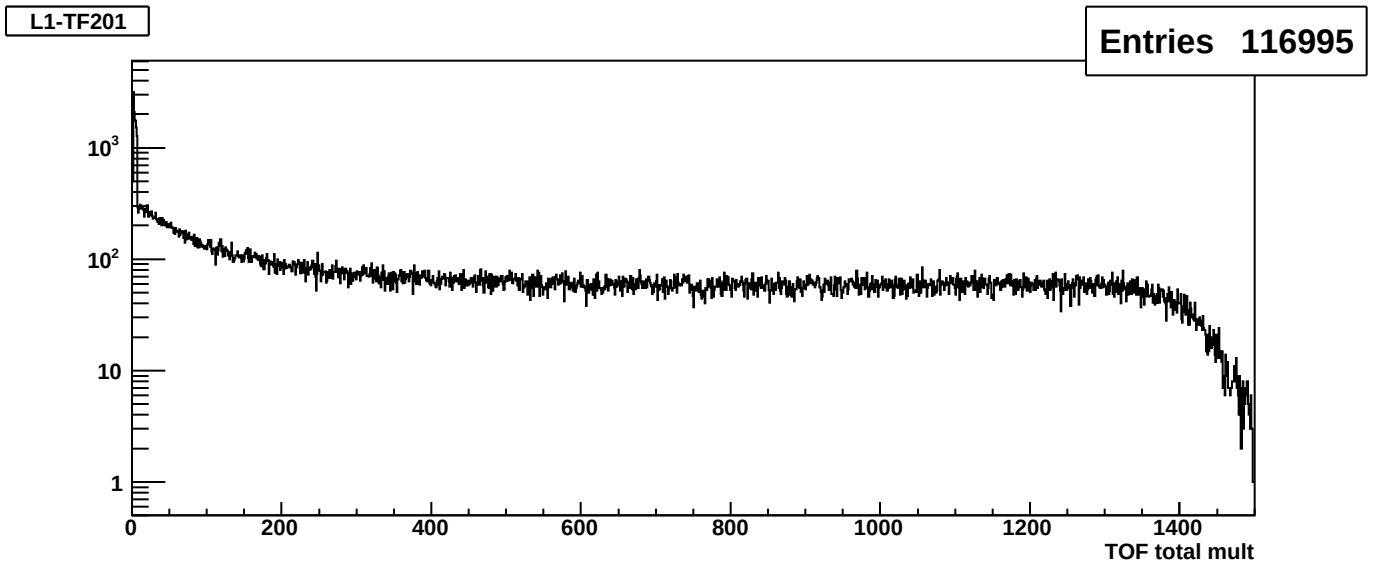

MIX-TF003
Entries 4913790
TOF MULT
TOF tray

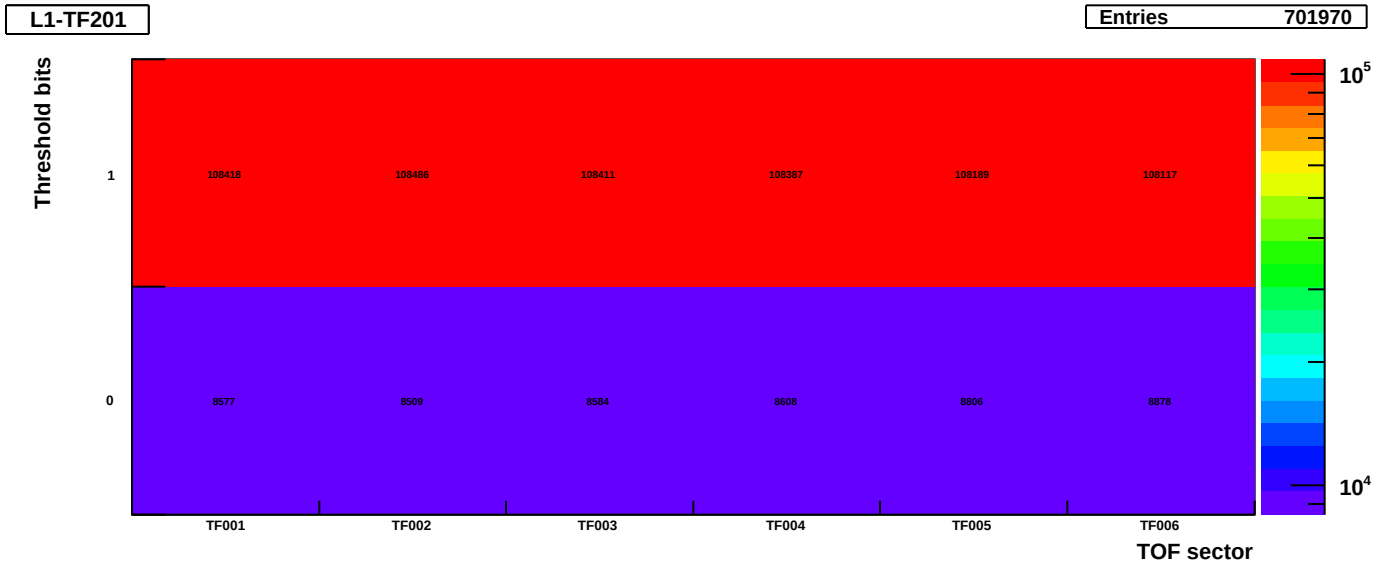

MIX-TF004
Entries 4913790
TOF MULT
TOF tray

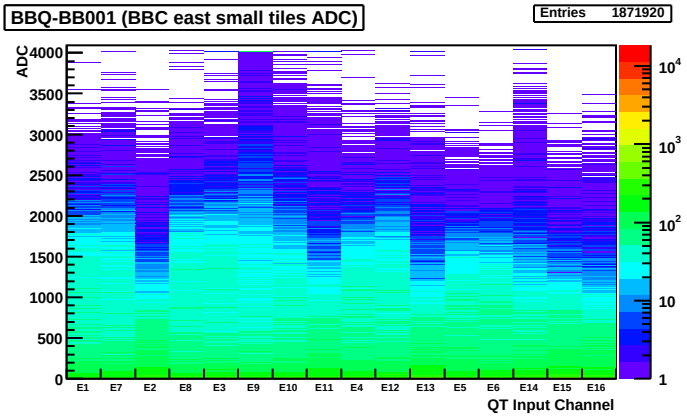

MIX-TF005
Entries 4913790
TOF MULT
TOF tray

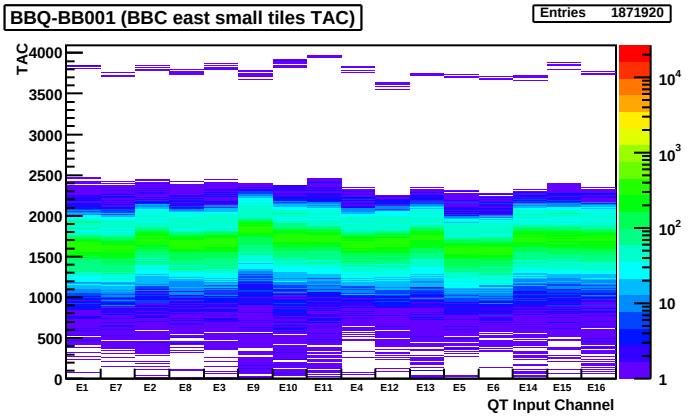

MIX-TF006
Entries 4913790
TOF MULT
TOF tray

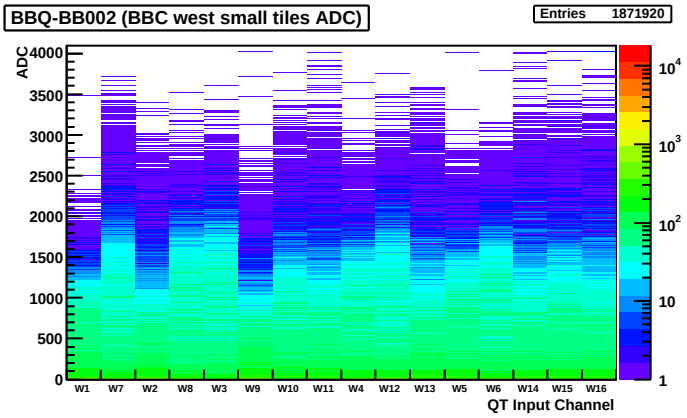

MIX-TF101
Entries 701970
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3

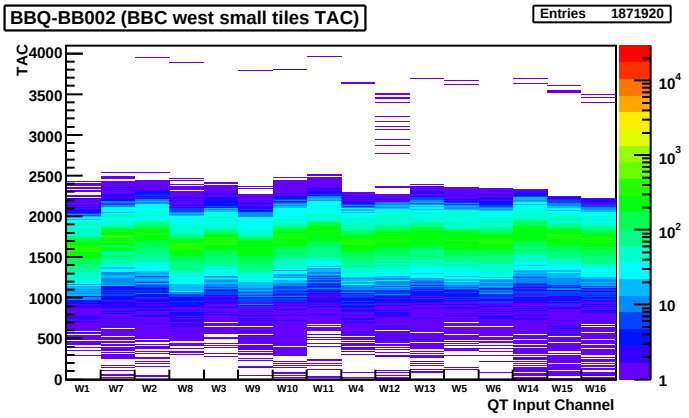

L1-TF201
Entries 116995
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

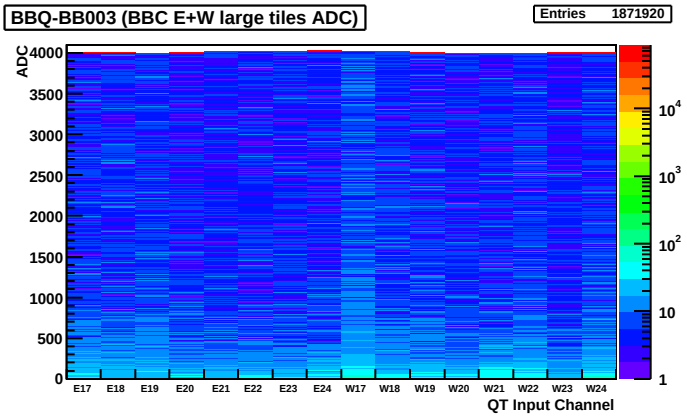

L1-TF201
Entries 701970
Threshold bits
1
0
108418
108486
108411
108387
108189
108117
8577
8509
8584
8608
8806
8878
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5
10^4

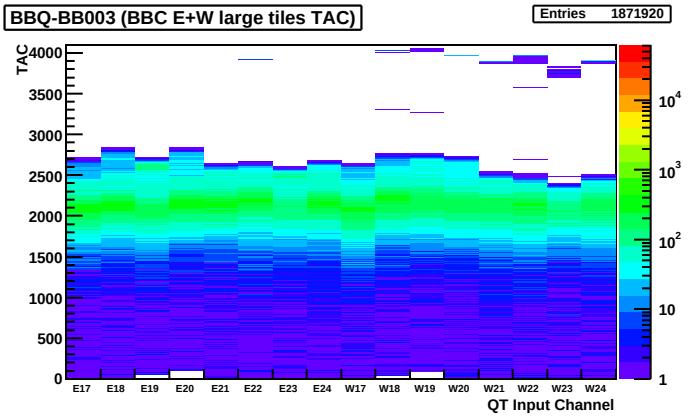

BBQ-BB001 (BBC east small tiles ADC)
Entries 1871920
ADC
QT Input Channel

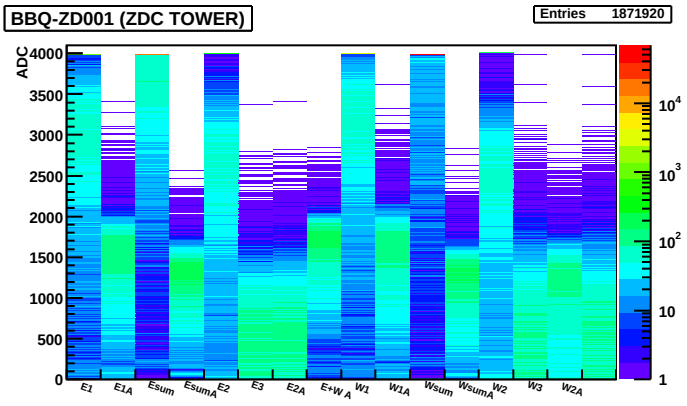

BBQ-BB001 (BBC east small tiles TAC)
Entries 1871920
TAC
QT Input Channel

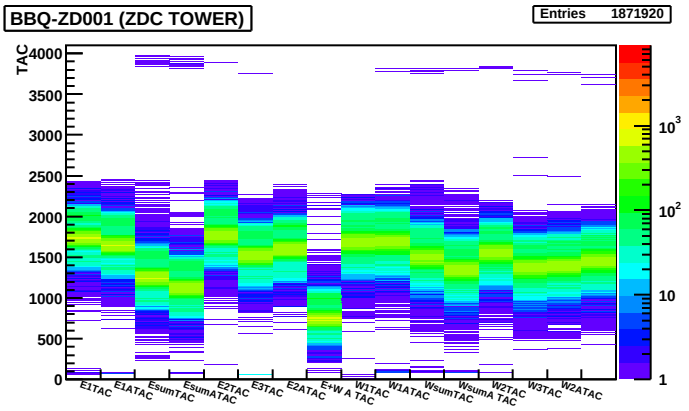

BBQ-BB002 (BBC west small tiles ADC)
Entries 1871920
ADC
QT Input Channel

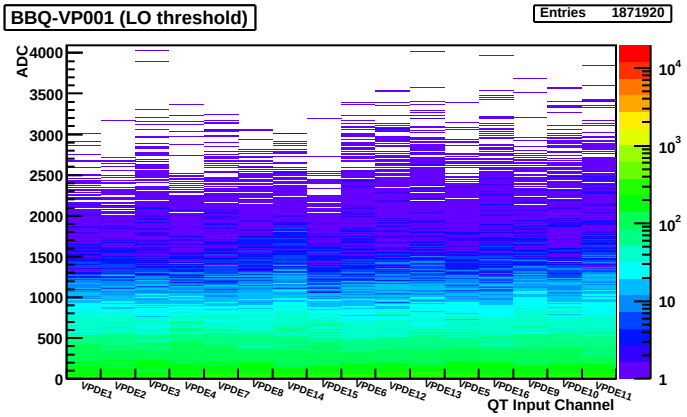

BBQ-BB002 (BBC west small tiles TAC)
Entries 1871920
TAC
QT Input Channel

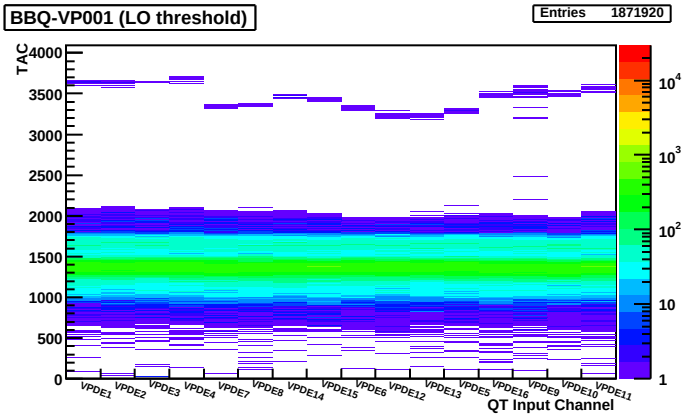

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1871920
ADC
QT Input Channel

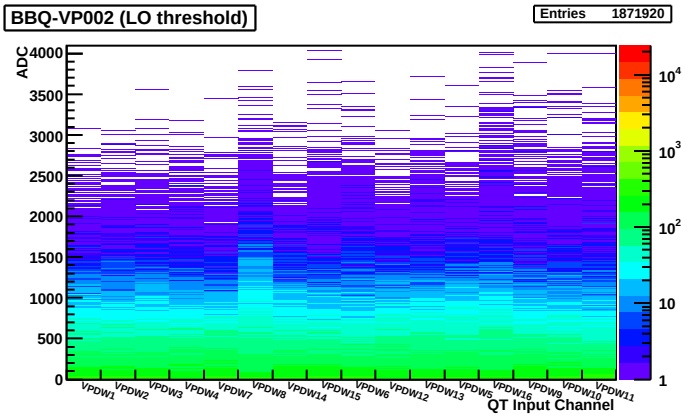

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1871920
TAC
QT Input Channel

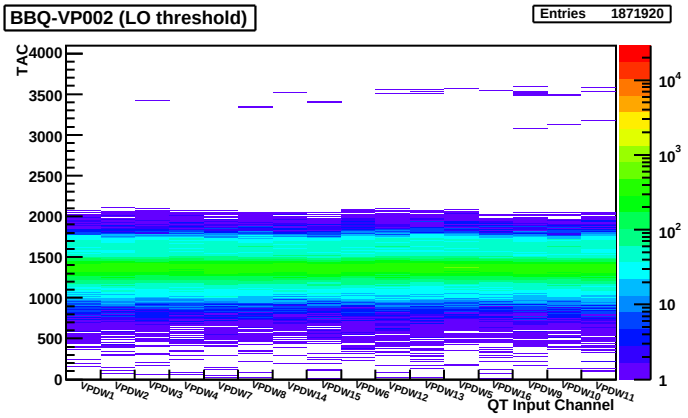

BBQ-ZD001 (ZDC TOWER)
Entries 1871920
ADC

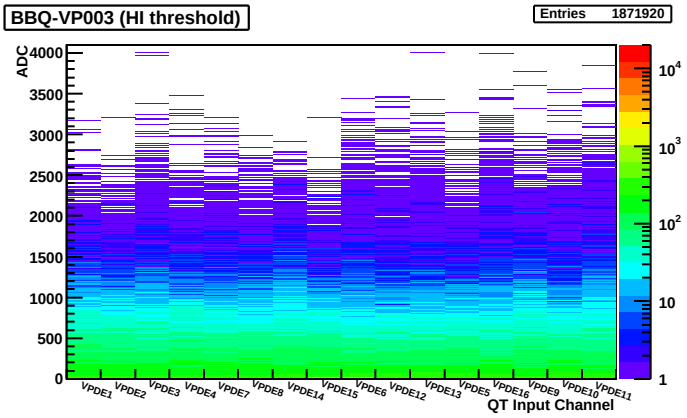

BBQ-ZD001 (ZDC TOWER)
Entries 1871920
TAC

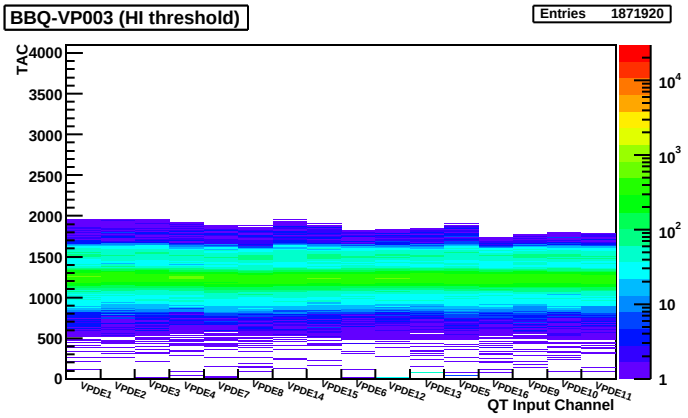

BBQ-VP001 (LO threshold)
Entries 1871920
ADC
QT Input Channel

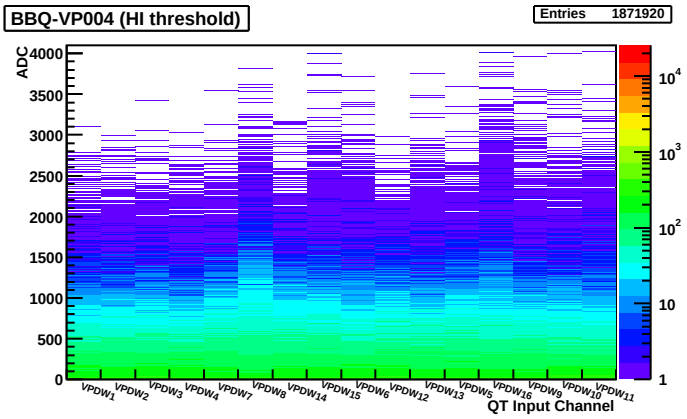

BBQ-VP001 (LO threshold)
Entries 1871920
TAC
QT Input Channel

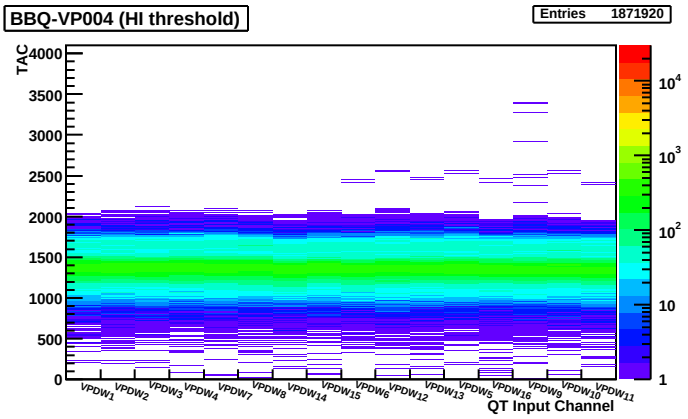

BBQ-VP002 (LO threshold)
Entries 1871920
ADC
QT Input Channel

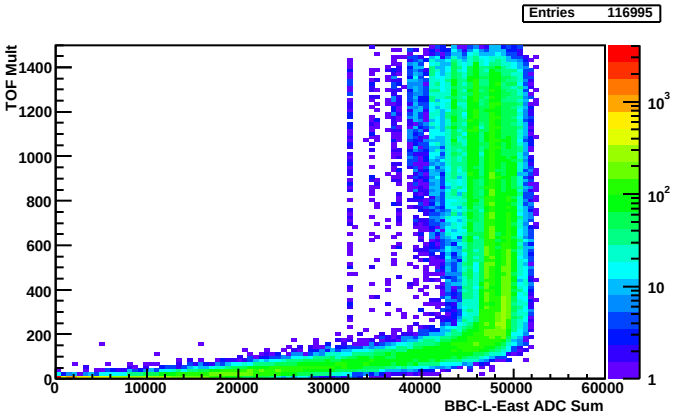

BBQ-VP002 (LO threshold)
Entries 1871920
TAC
QT Input Channel

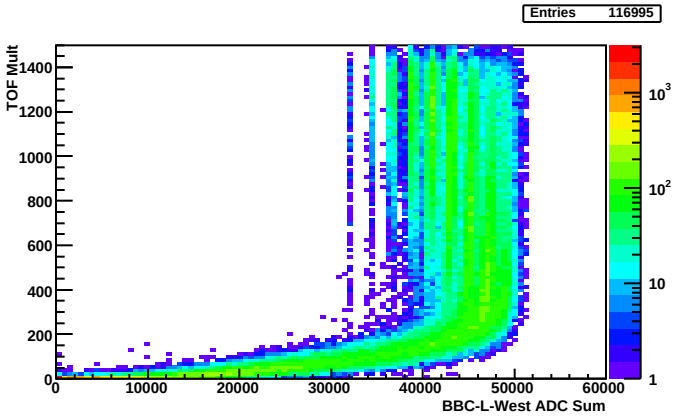

BBQ-VP003 (HI threshold)
Entries 1871920
ADC
QT Input Channel

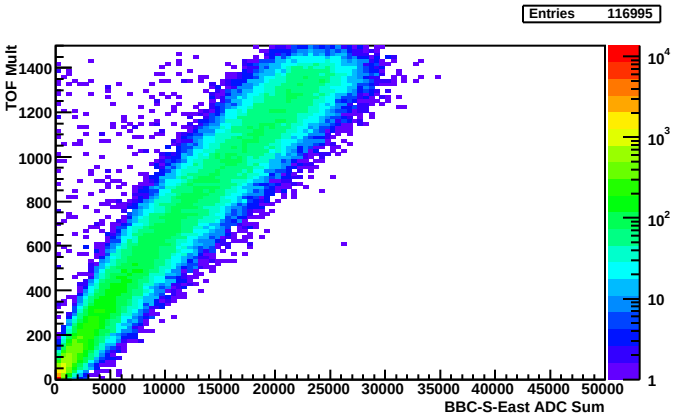

BBQ-VP003 (HI threshold)
Entries 1871920
TAC
QT Input Channel

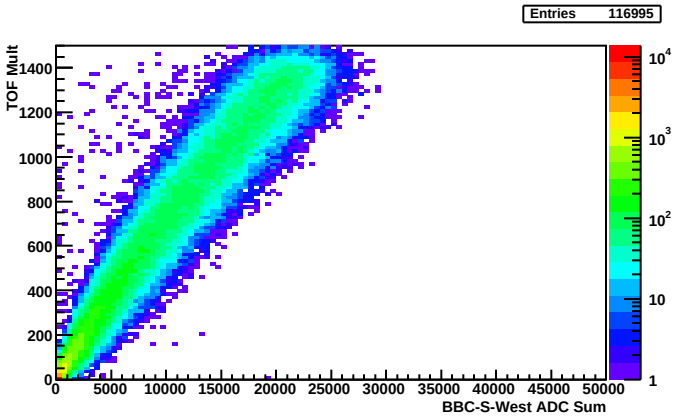

BBQ-VP004 (HI threshold)
Entries 1871920
ADC
QT Input Channel

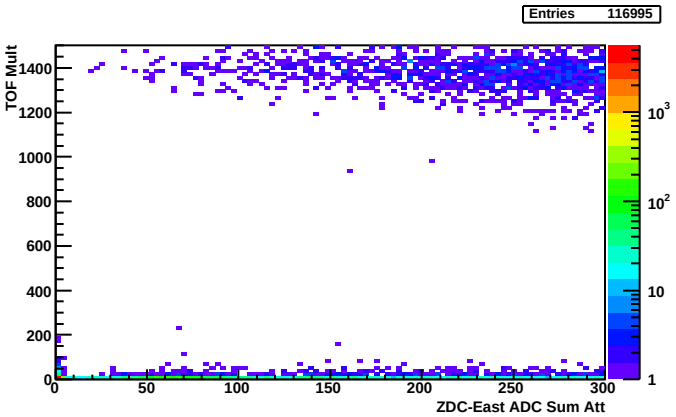

BBQ-VP004 (HI threshold)
Entries 1871920
TAC
QT Input Channel

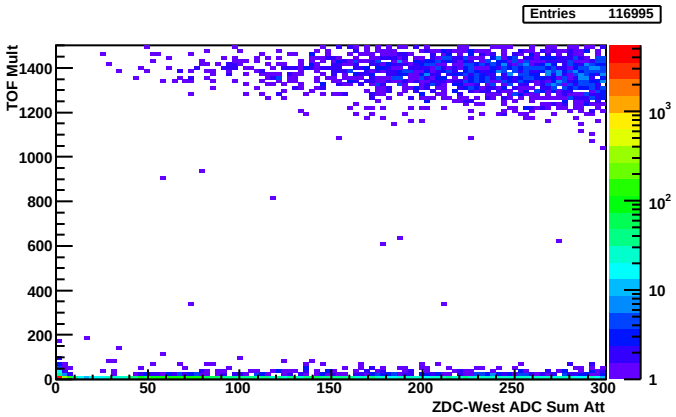

Entries 116995
TOF Mult
BBC-L-East ADC Sum

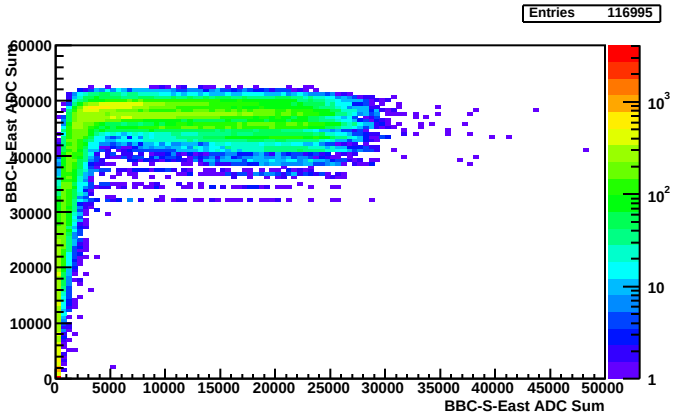

Entries 116995
TOF Mult
BBC-L-West ADC Sum

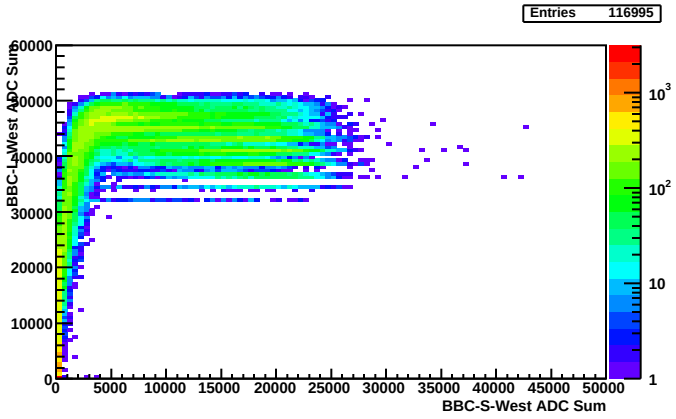

Entries 116995
TOF Mult
BBC-S-East ADC Sum

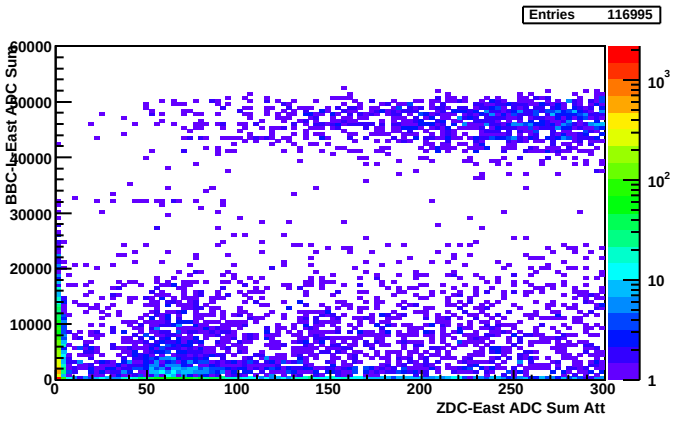

Entries 116995
TOF Mult
BBC-S-West ADC Sum

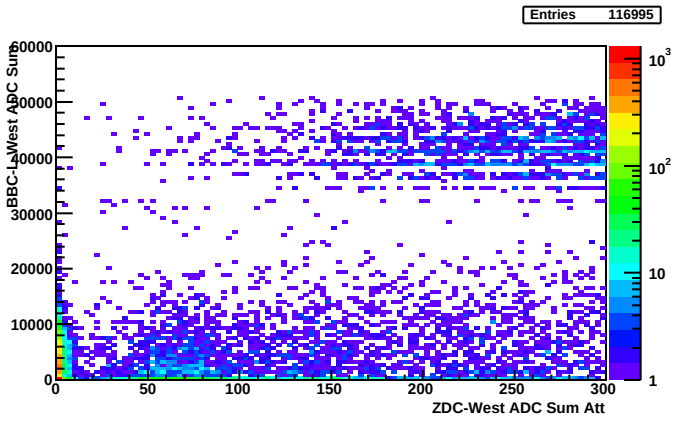

Entries 116995
TOF Mult
ZDC-East ADC Sum Att


Entries 116995
TOF Mult
ZDC-West ADC Sum Att


Entries 116995
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 116995
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 116995
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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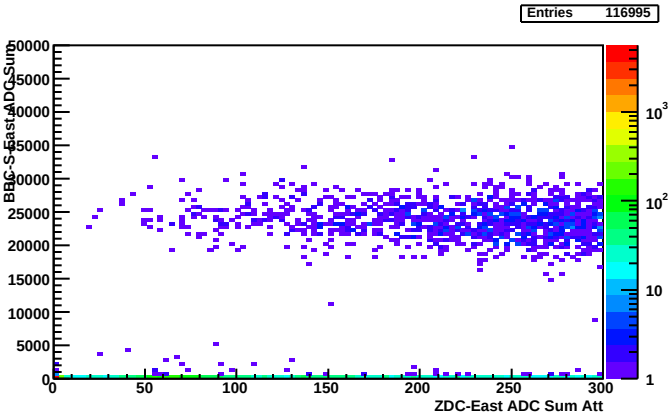
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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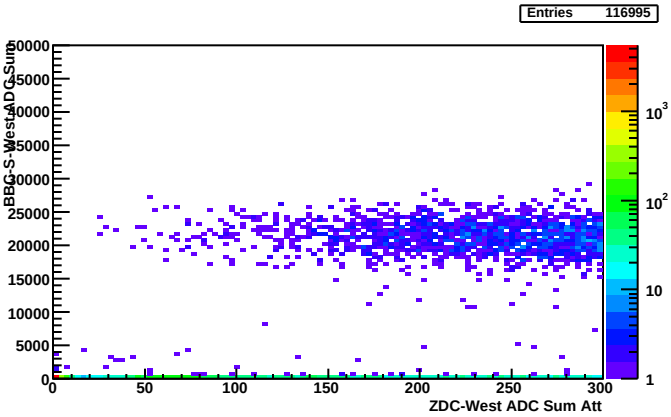
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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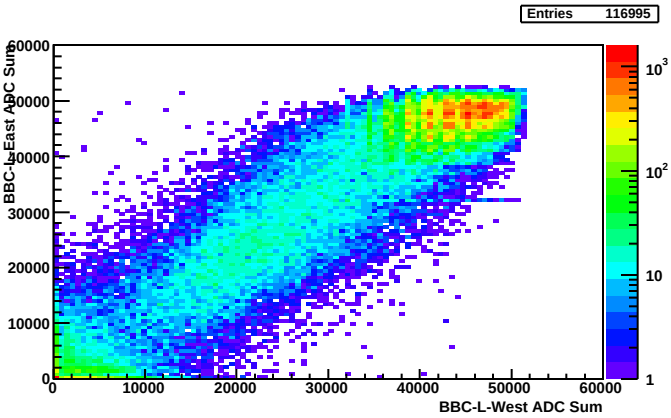
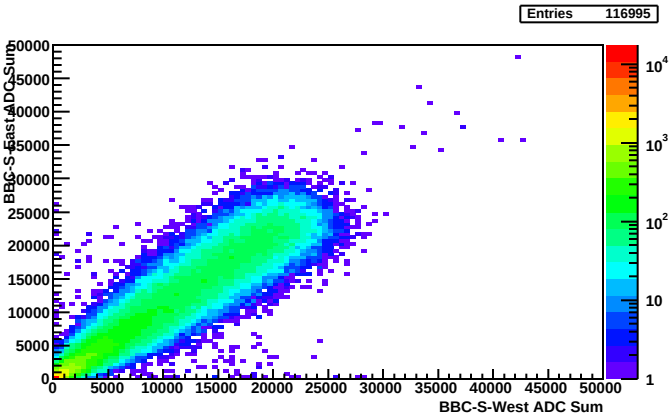
BBC-S-West ADC Sum
ZDC-West ADC Sum Att


Entries 116995
BBC-L-East ADC Sum
BBC-L-West ADC Sum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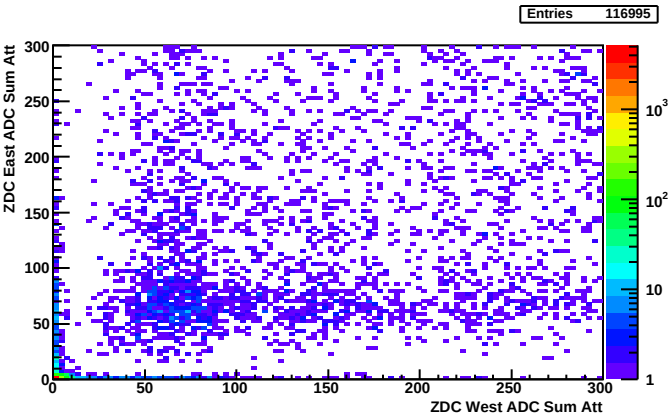
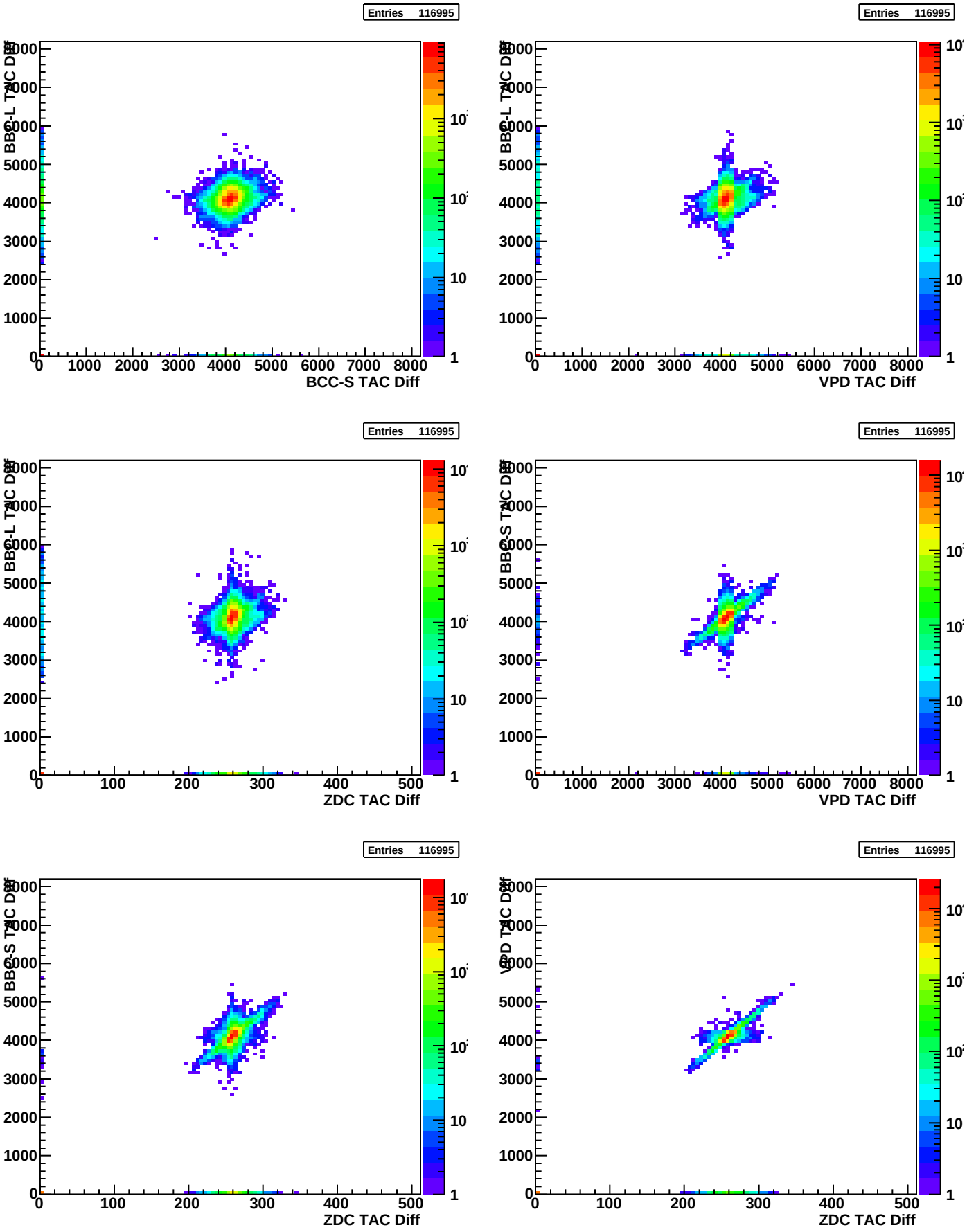
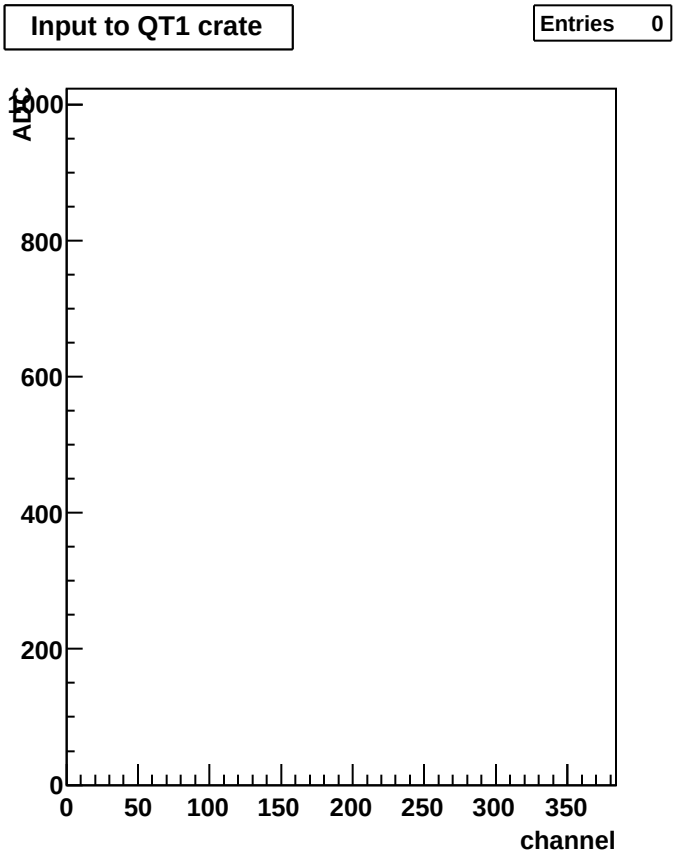
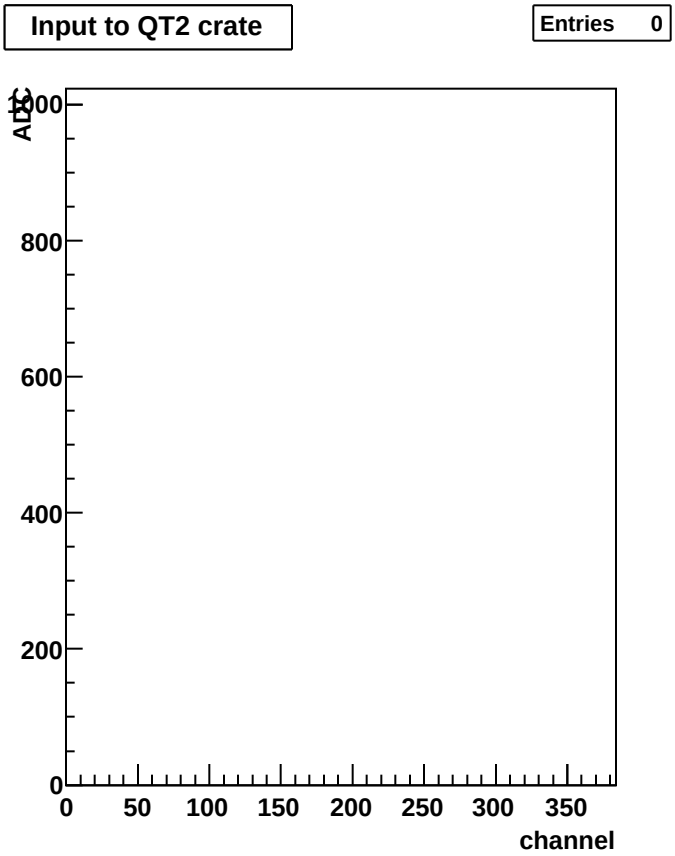
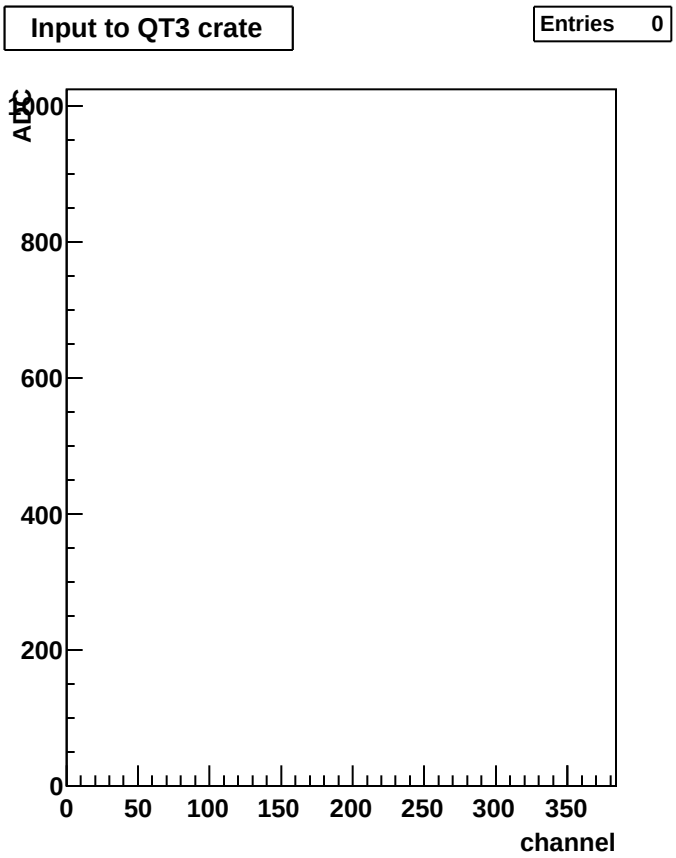
BBC-S-East ADC Sum
BBC-S-West ADC Sum

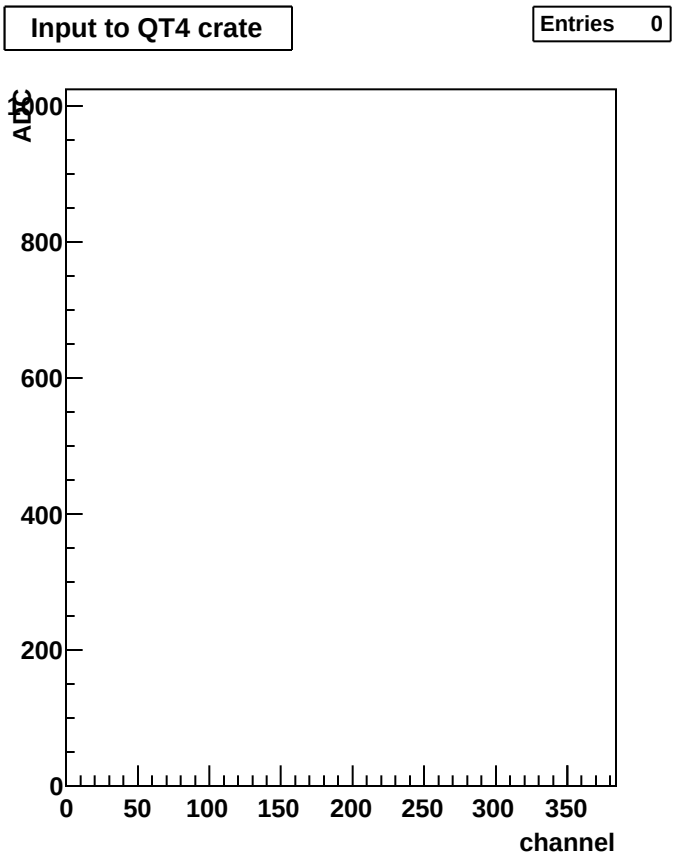

Entries 116995
ZDC East ADC Sum Att
ZDC West ADC Sum Att

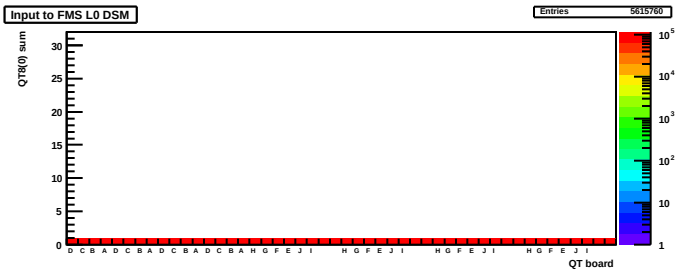

Entries 116995
BBC-L TAC Diff
BCC-S TAC Diff
Entries 116995
BBC-L TAC Diff
VPD TAC Diff
Entries 116995
BBC-L TAC Diff
ZDC TAC Diff
Entries 116995
BBC-S TAC Diff
VPD TAC Diff
Entries 116995
BBC-S TAC Diff
ZDC TAC Diff
Entries 116995
VPD TAC Diff
ZDC TAC Diff

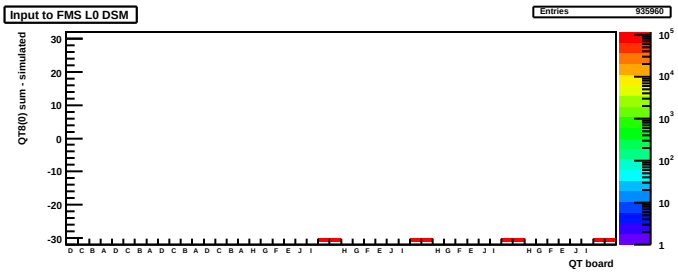

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

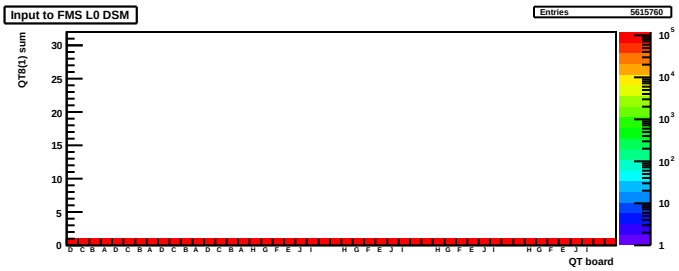

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

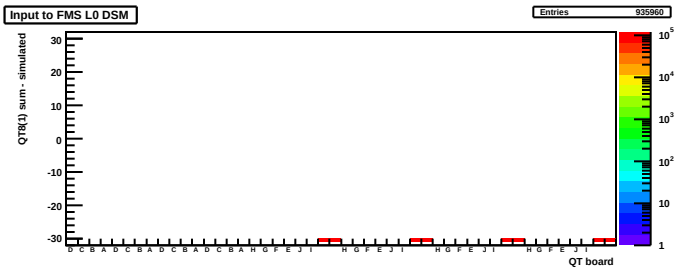

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

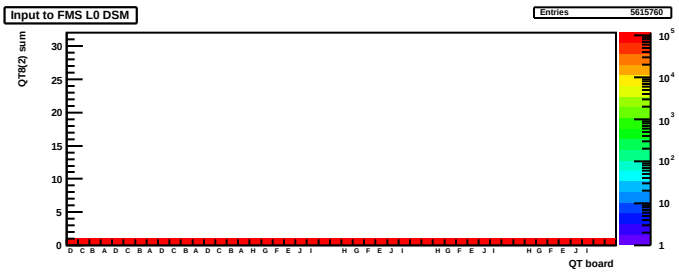

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

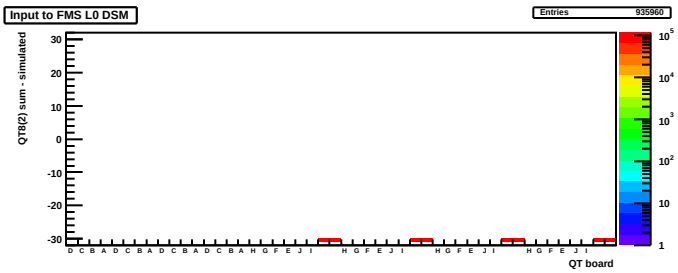

Input to FMS L0 DSM
Entries 5615760
QT8(0) sum
QT board

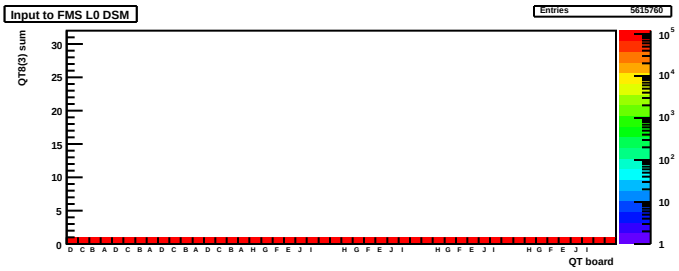

Input to FMS L0 DSM
Entries 935960
QT8(0) sum - simulated
QT board

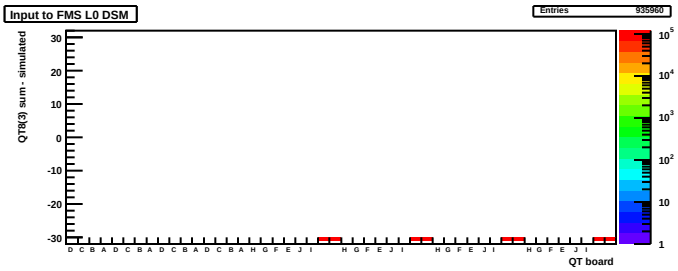

Input to FMS L0 DSM
Entries 5615760
QT8(1) sum
QT board

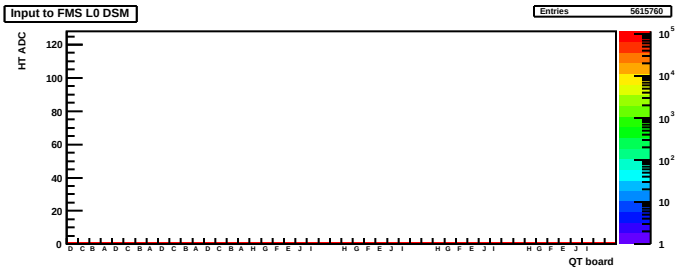

Input to FMS L0 DSM
Entries 935960
QT8(1) sum - simulated
QT board

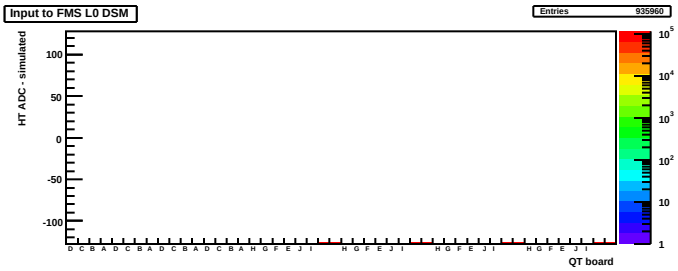

Input to FMS L0 DSM
Entries 5615760
QT8(2) sum
QT board

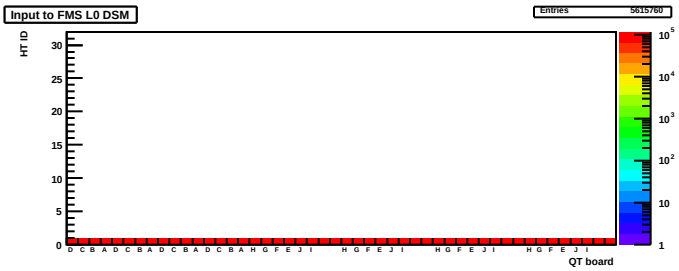

Input to FMS L0 DSM
Entries 935960
QT8(2) sum - simulated
QT board

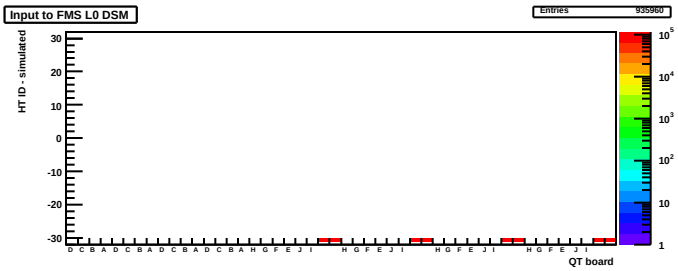

Input to FMS L0 DSM
Entries 5615760
QT8(3) sum
QT board

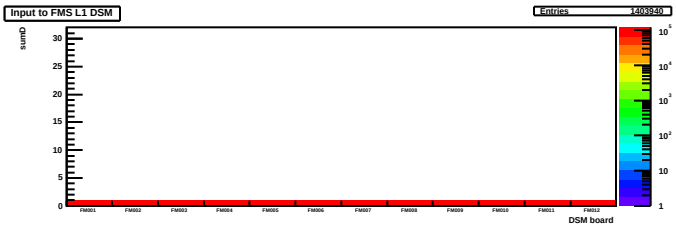

Input to FMS L0 DSM
Entries 935960
QT8(3) sum - simulated
QT board

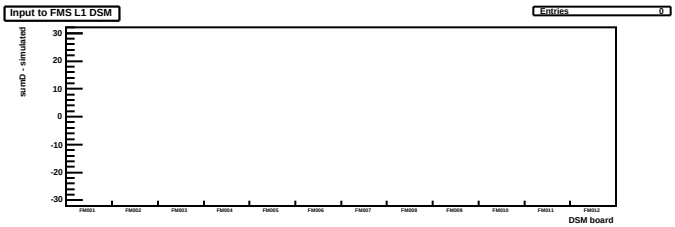

Input to FMS L0 DSM
Entries 5615760
HT ADC
QT board

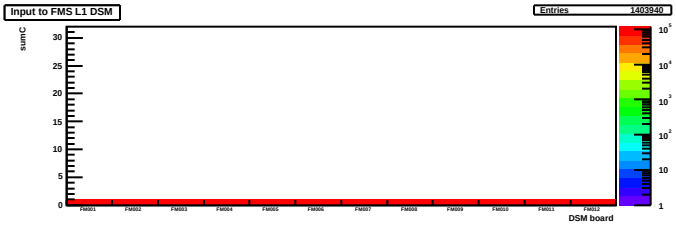

Input to FMS L0 DSM
Entries 935960
HT ADC - simulated
QT board

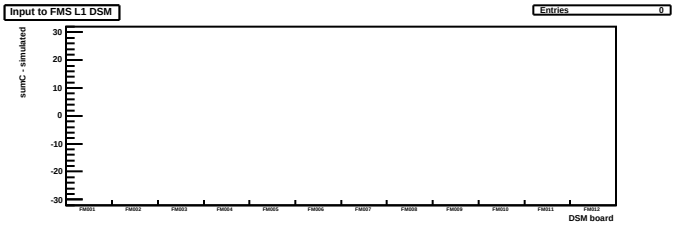

Input to FMS L0 DSM
Entries 5615760
HT ID
QT board

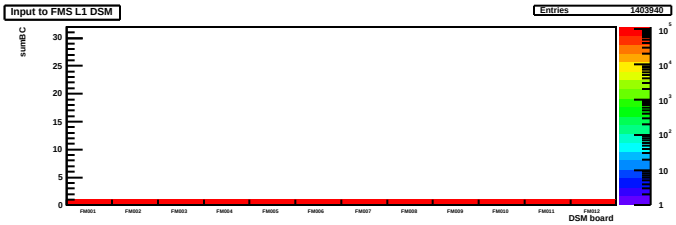

Input to FMS L0 DSM
Entries 935960
HT ID - simulated
QT board

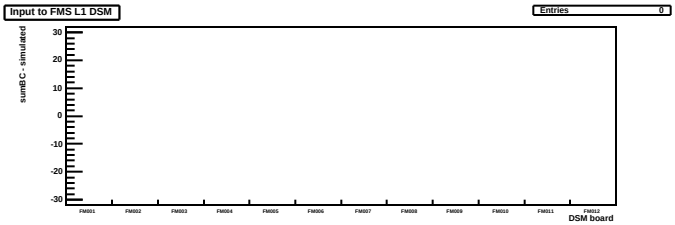

Input to FMS L1 DSM
Entries 1403940
sumD
DSM board

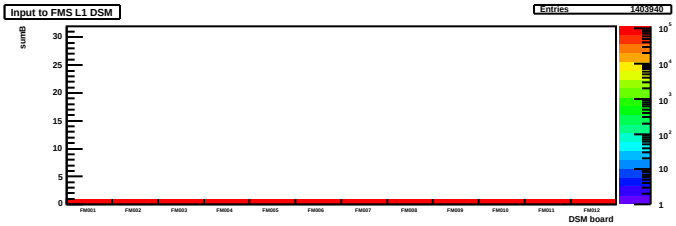

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

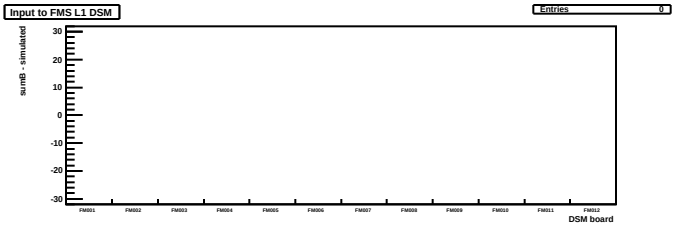

Input to FMS L1 DSM
Entries 1403940
sumC
DSM board

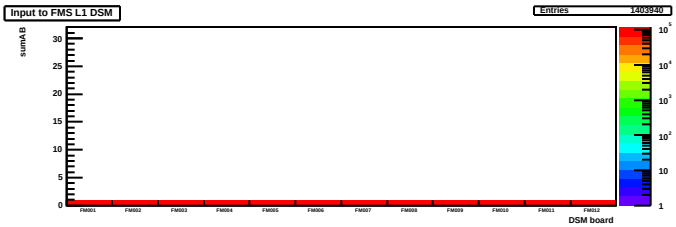

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

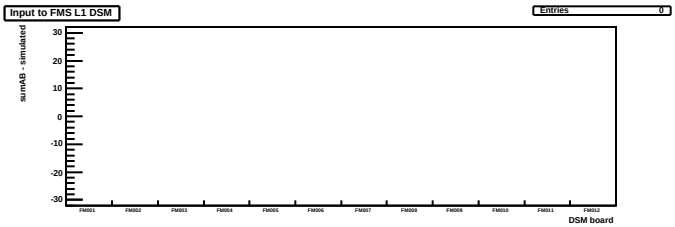

Input to FMS L1 DSM
Entries 1403940
sumBC
DSM board

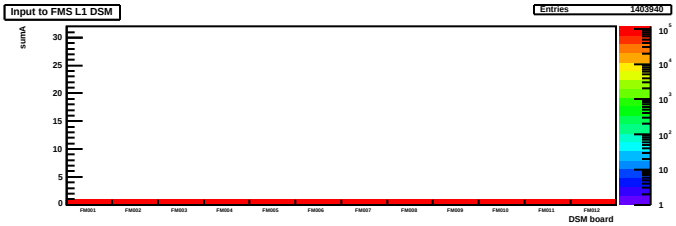

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

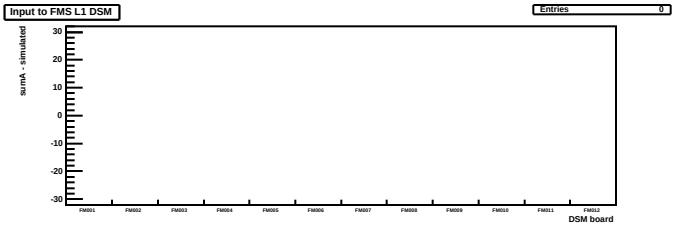

Input to FMS L1 DSM
Entries 1403940
sumB
DSM board

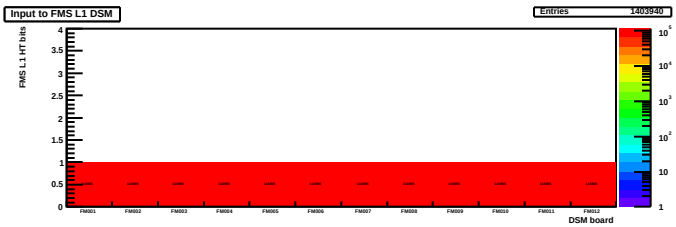

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

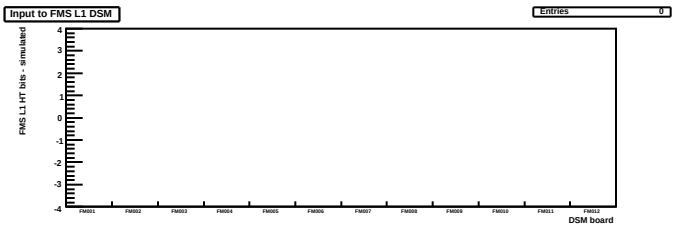

Input to FMS L1 DSM
Entries 1403940
sumAB
DSM board

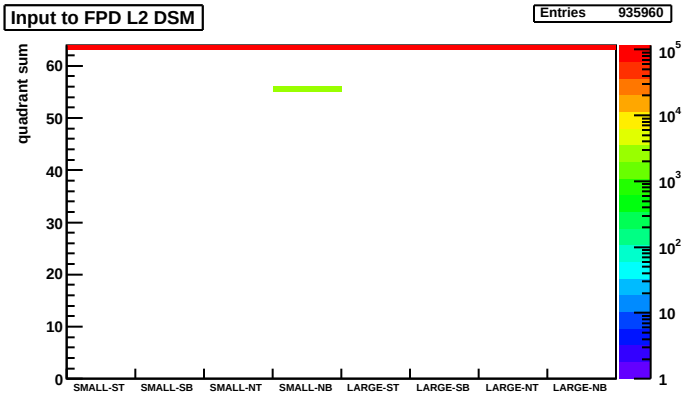

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

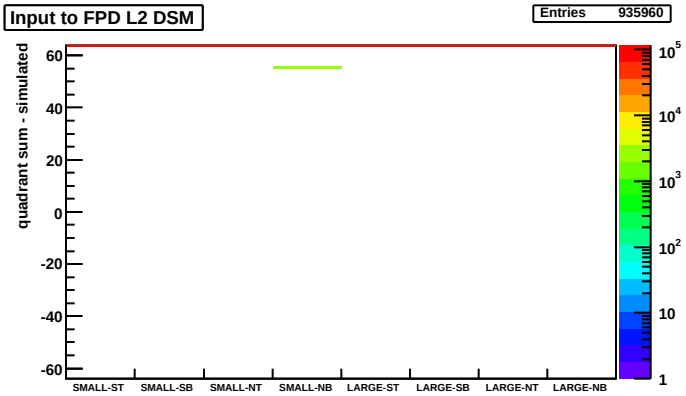

Input to FMS L1 DSM
Entries 1403940
sumA
DSM board

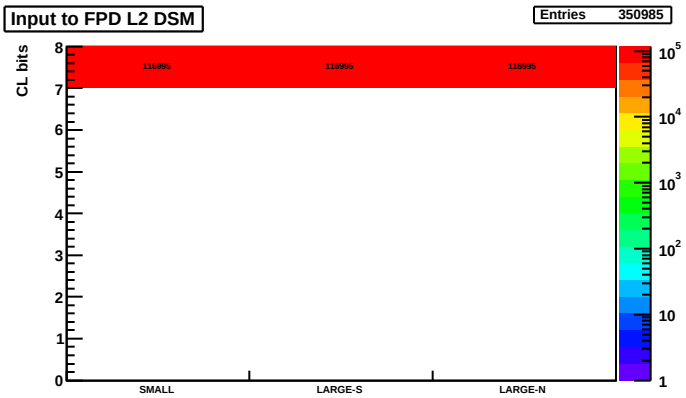

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

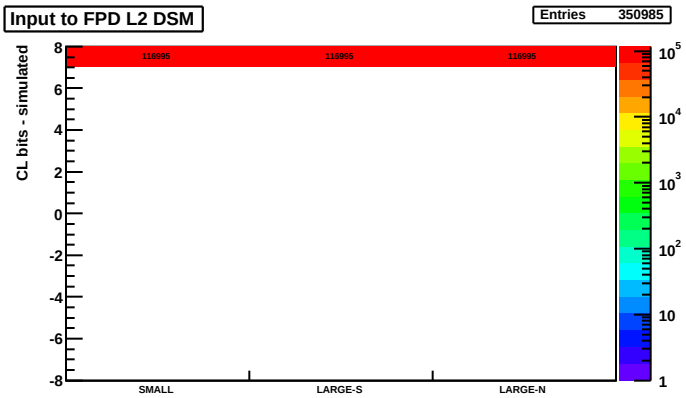

Input to FMS L1 DSM
Entries 1403940
FMS L1 HT bits
DSM board

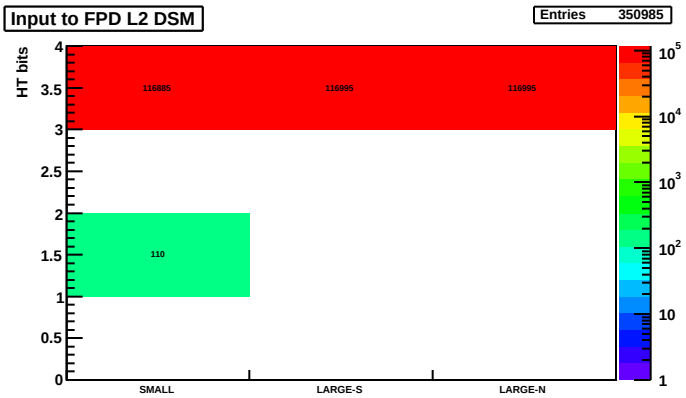

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

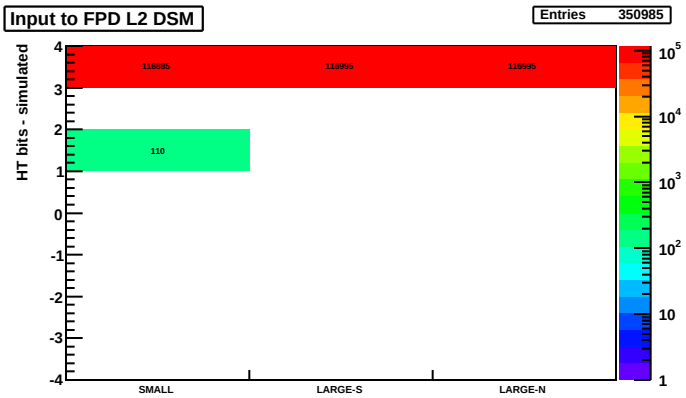

Input to FPD L2 DSM
Entries 935960
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

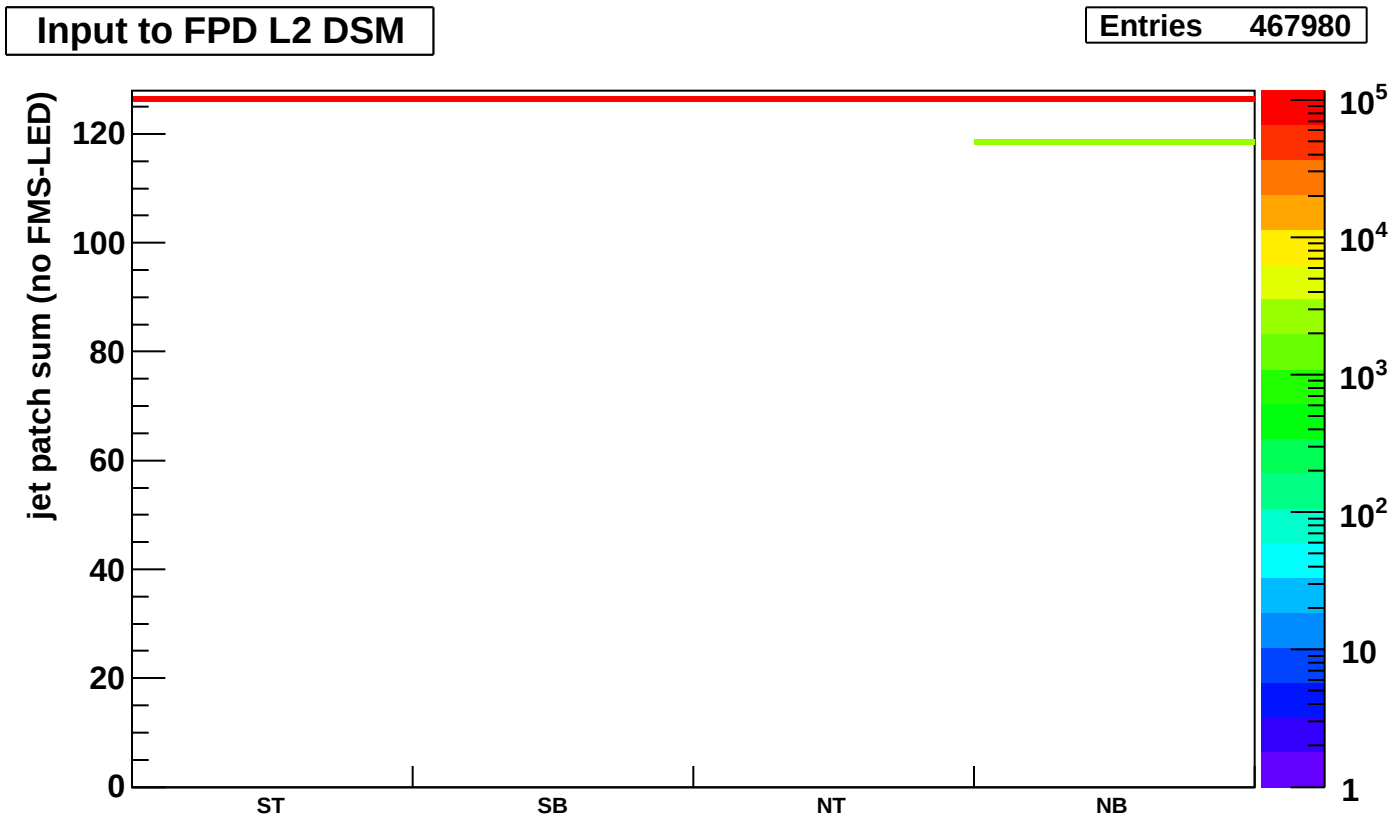

Input to FPD L2 DSM
Entries 935960
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

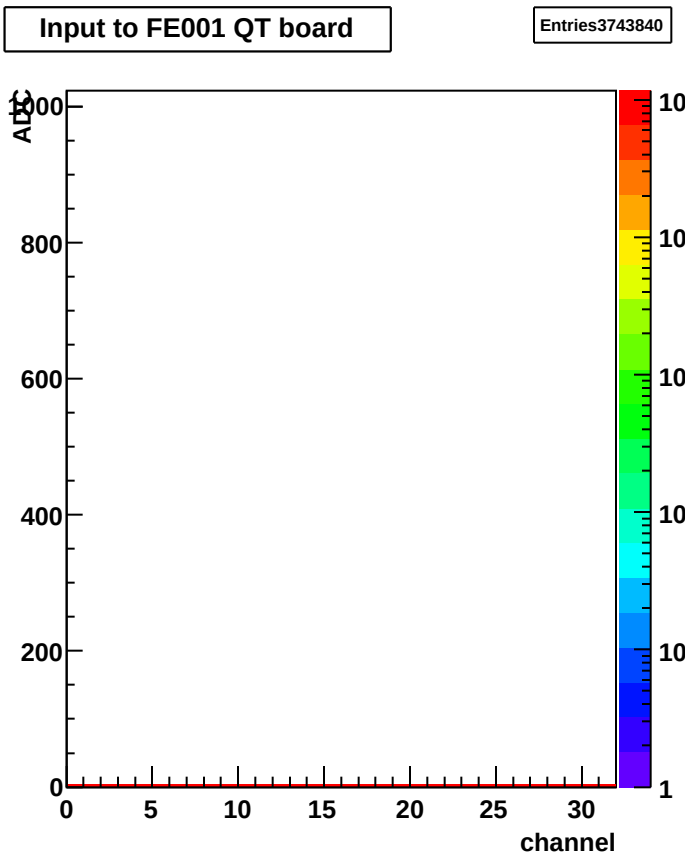

Input to FPD L2 DSM
Entries 350985
CL bits
116995
116995
116995
SMALL
LARGE-S
LARGE-N

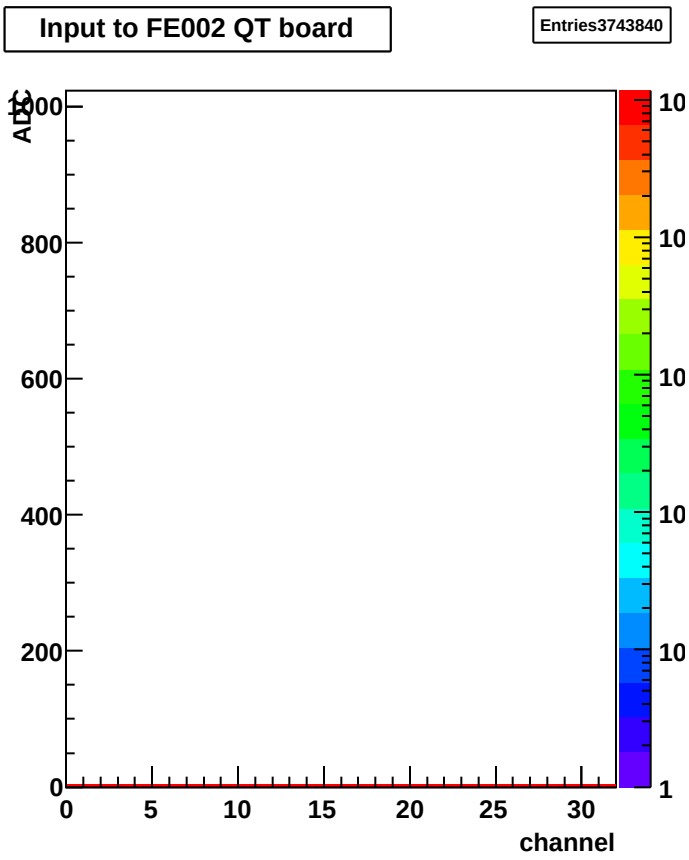

Input to FPD L2 DSM
Entries 350985
CL bits - simulated
116995
116995
116995
SMALL
LARGE-S
LARGE-N

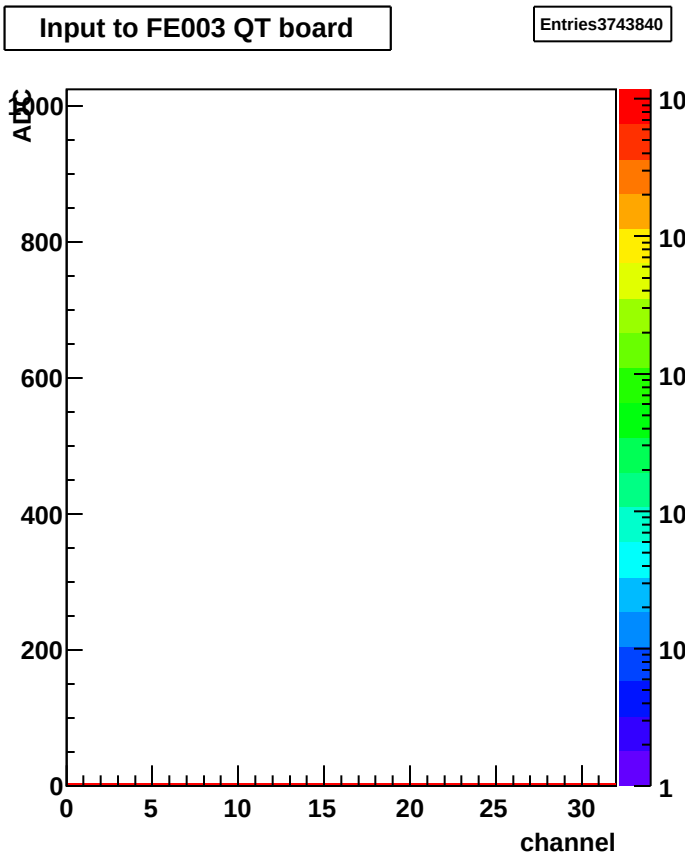

Input to FPD L2 DSM
Entries 350985
HT bits
116885
116995
116995
110
SMALL
LARGE-S
LARGE-N

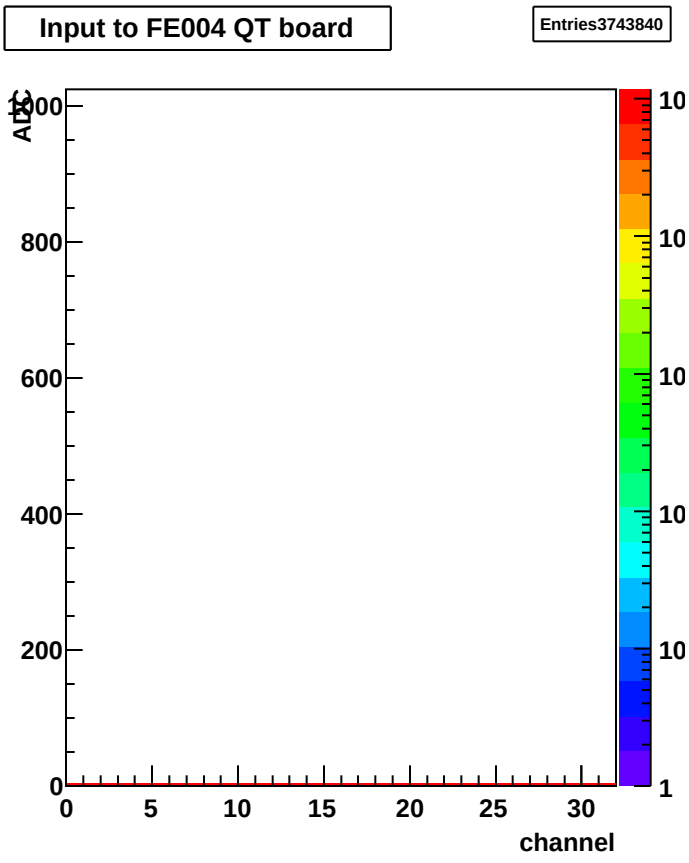

Input to FPD L2 DSM
Entries 350985
HT bits - simulated
116885
116995
116995
110
SMALL
LARGE-S
LARGE-N


Input to FPD L2 DSM
Entries 467980
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
10^5

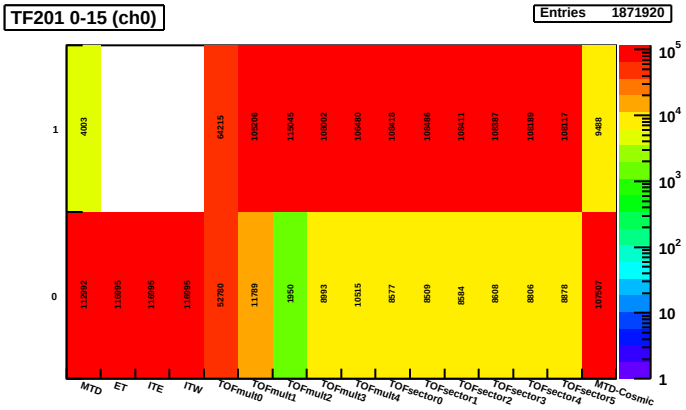

Input to FE001 QT board
Entries3743840
ADC
channel


Input to FE002 QT board
Entries3743840
ADC
channel

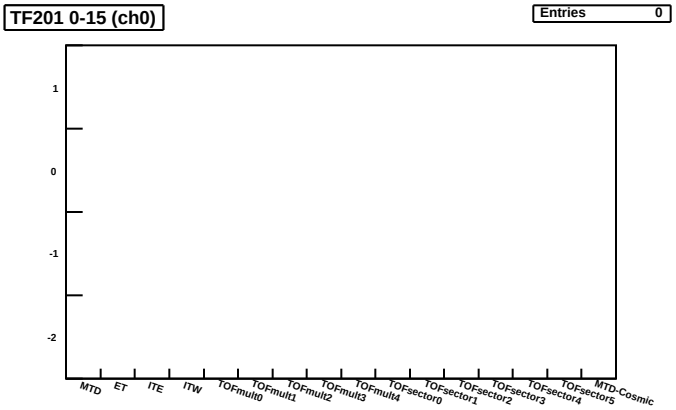

Input to FE003 QT board
Entries3743840
ADC
channel


Input to FE004 QT board
Entries3743840
ADC
channel

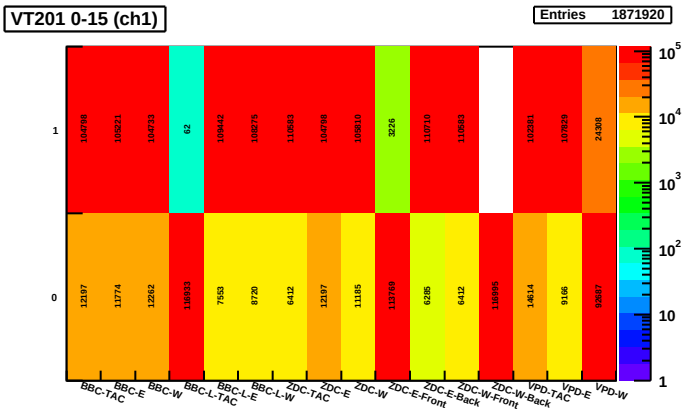
TF201 0-15 (ch0)



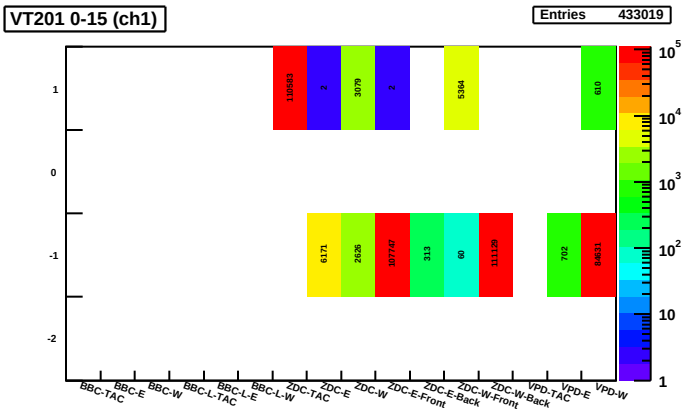
TF201 0-15 (ch0)



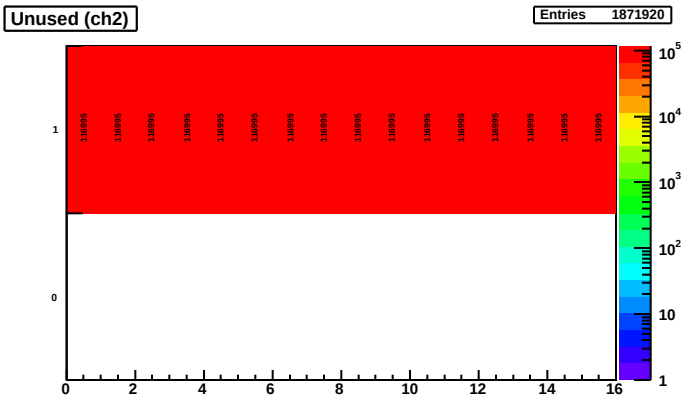
VT201 0-15 (ch1)

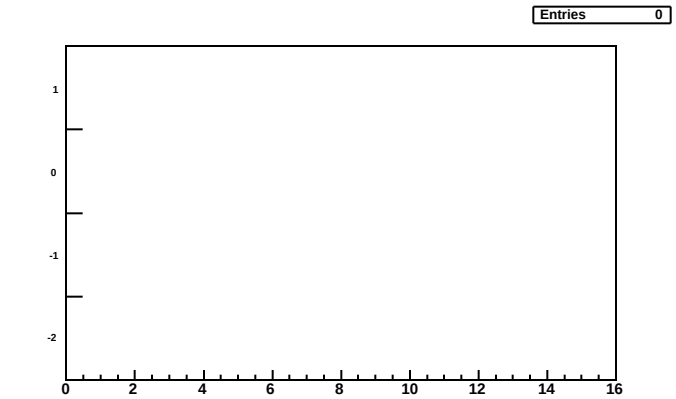


VT201 0-15 (ch1)

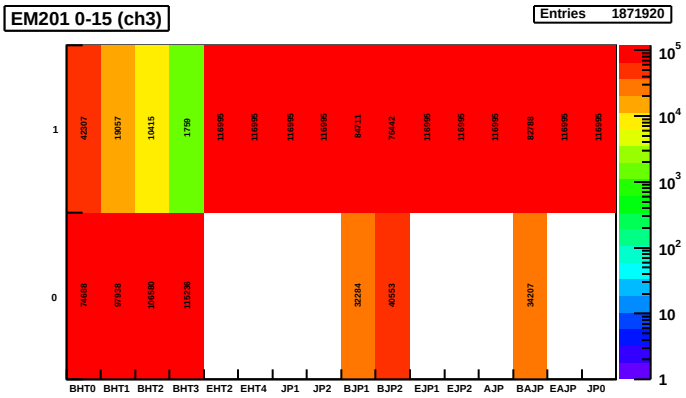


Unused (ch2)

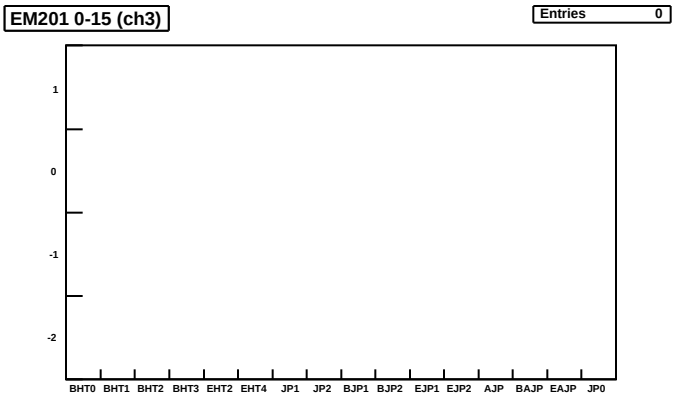




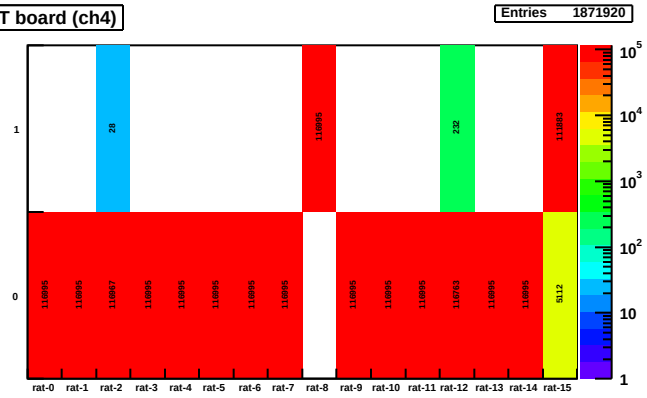
EM201 0-15 (ch3)

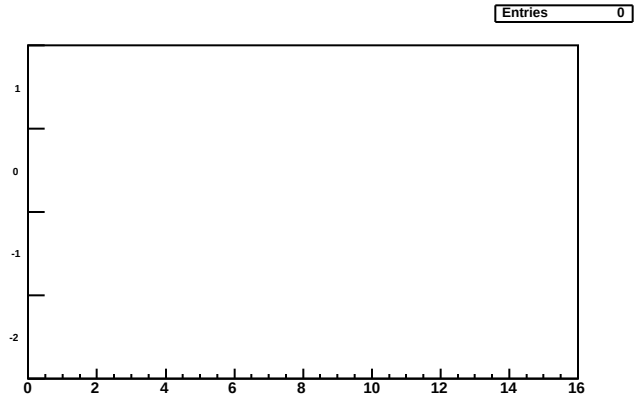


EM201 0-15 (ch3)

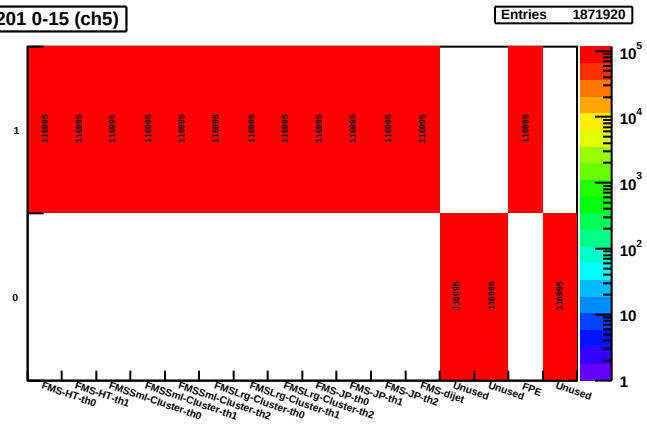


RAT board (ch4)

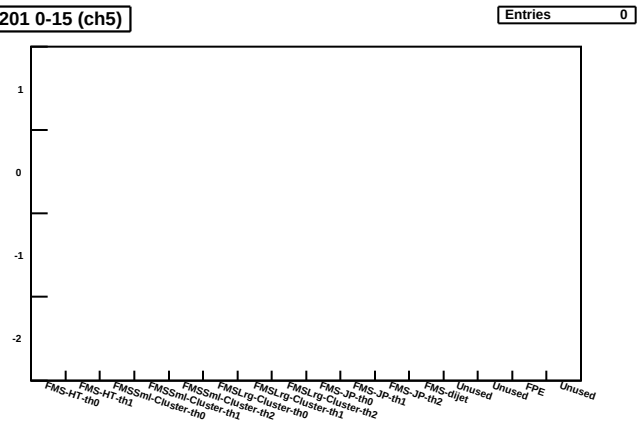




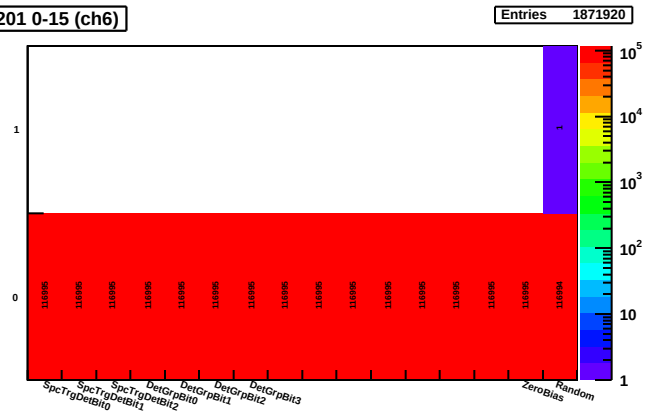
FP201 0-15 (ch5)

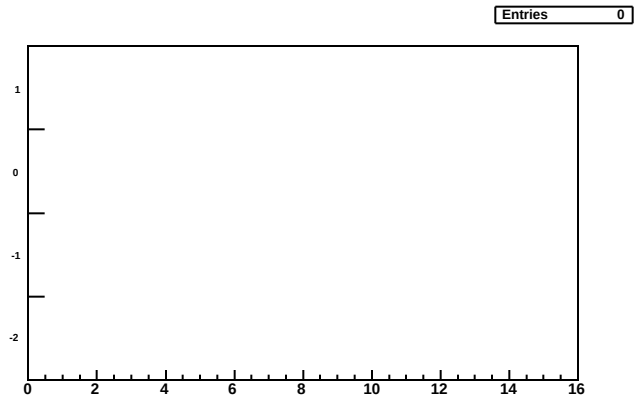
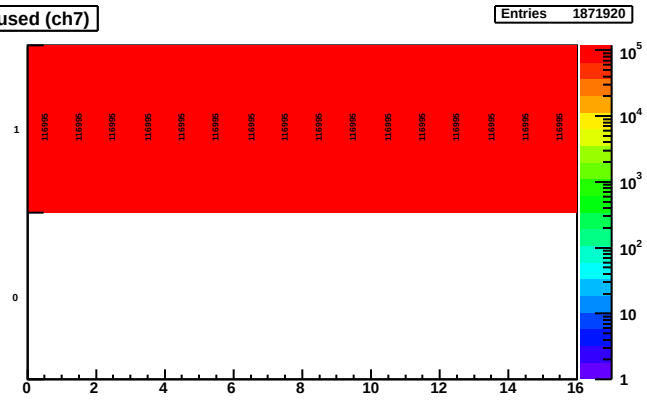
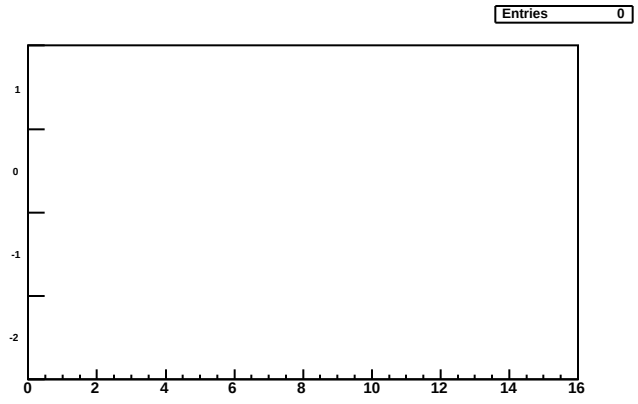


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)