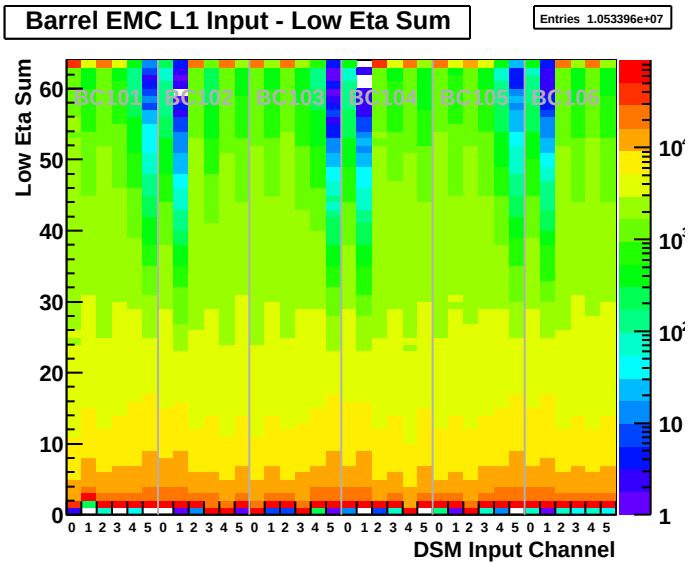
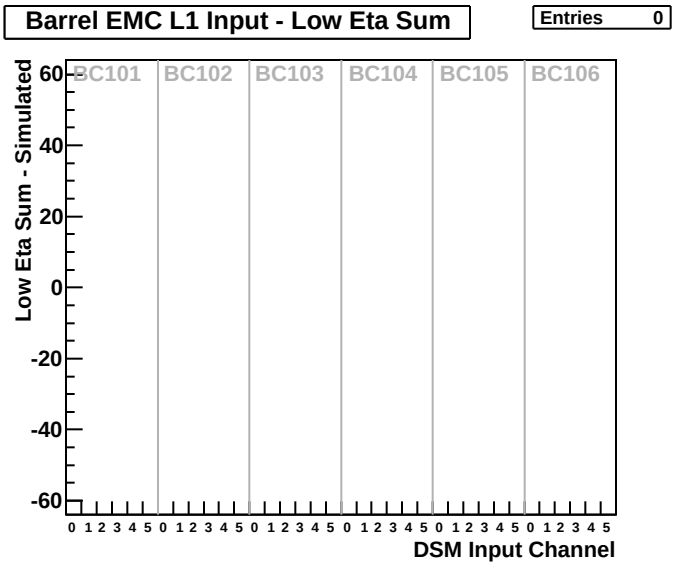
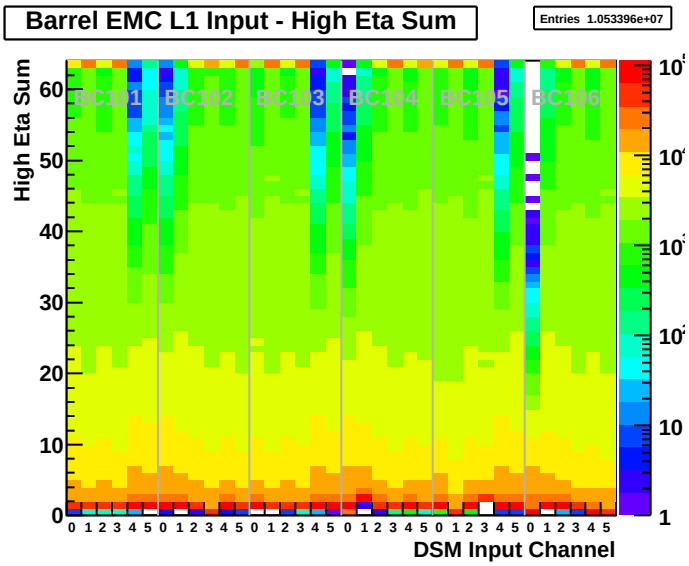
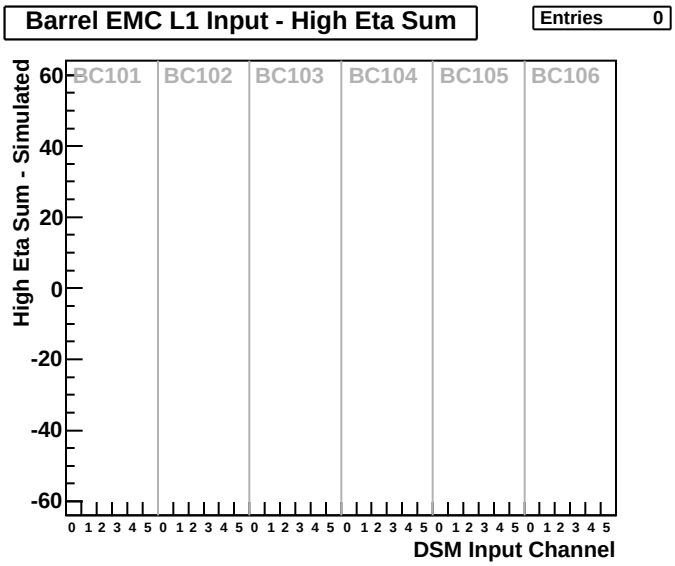
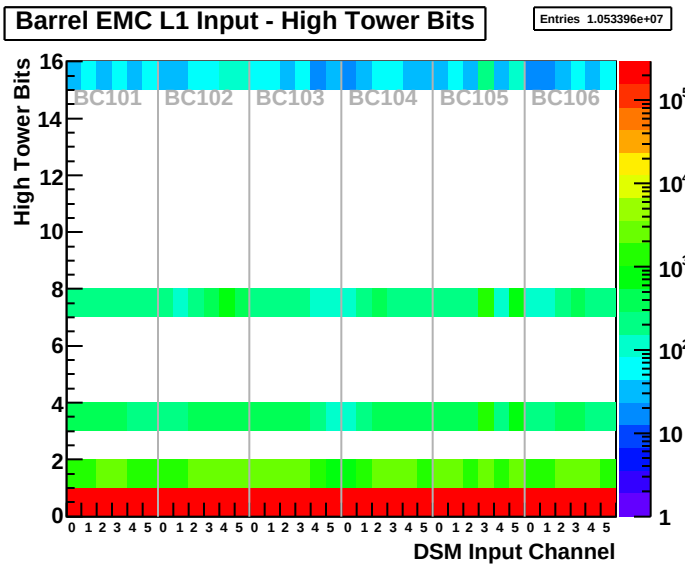
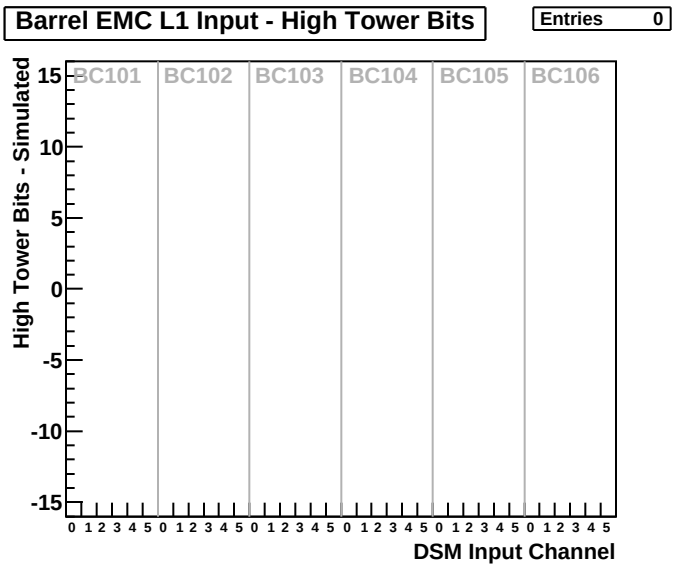

Barrel EMC L1 Input - Low Eta Sum
Entries 1.053396e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

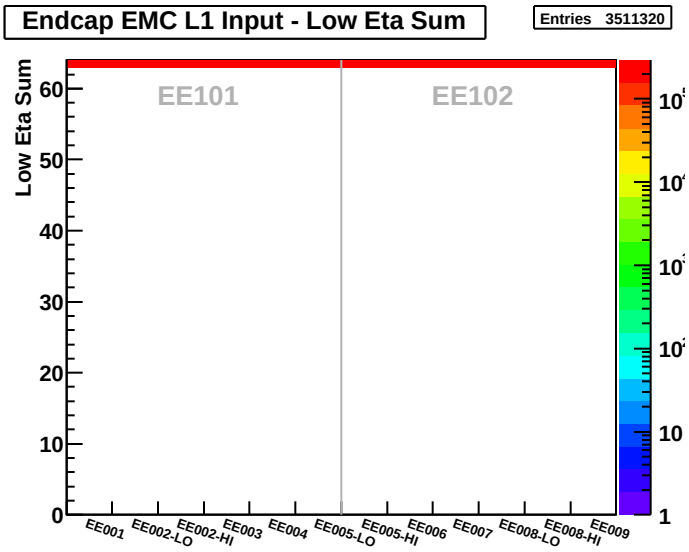

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

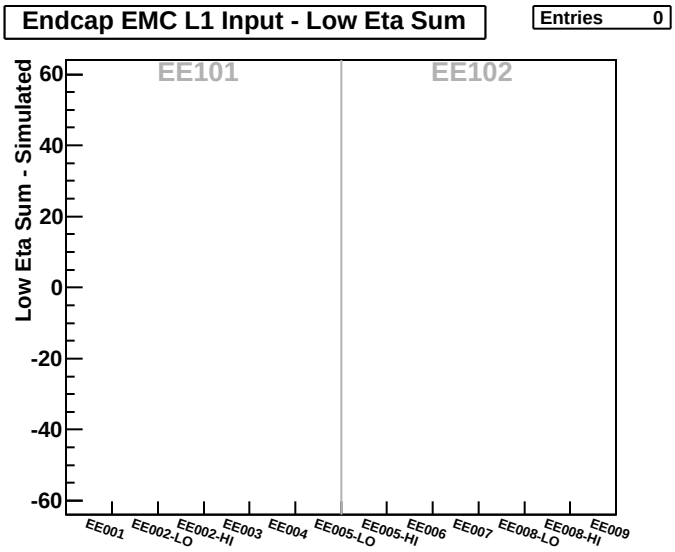

Barrel EMC L1 Input - High Eta Sum
Entries 1.053396e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

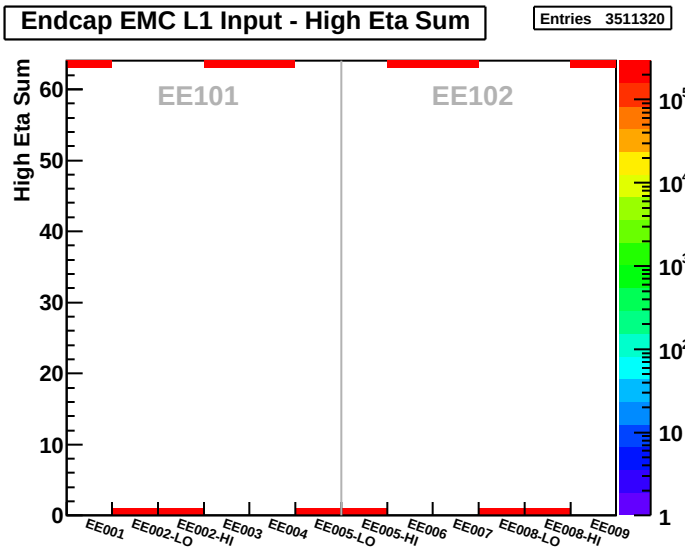

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

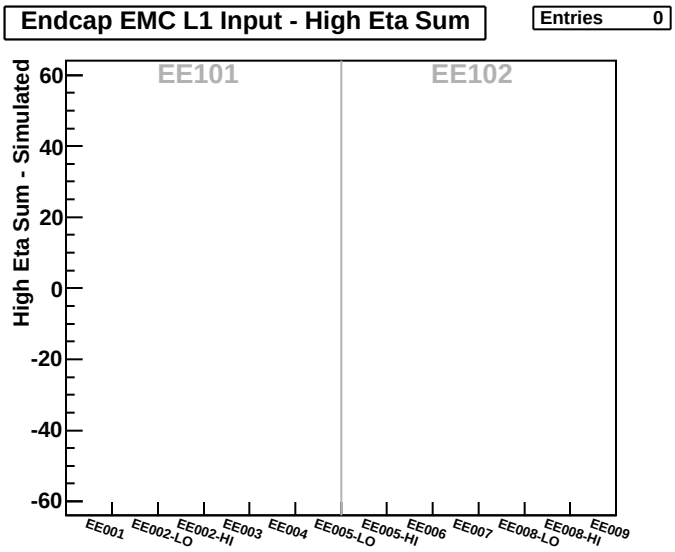

Barrel EMC L1 Input - High Tower Bits
Entries 1.053396e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

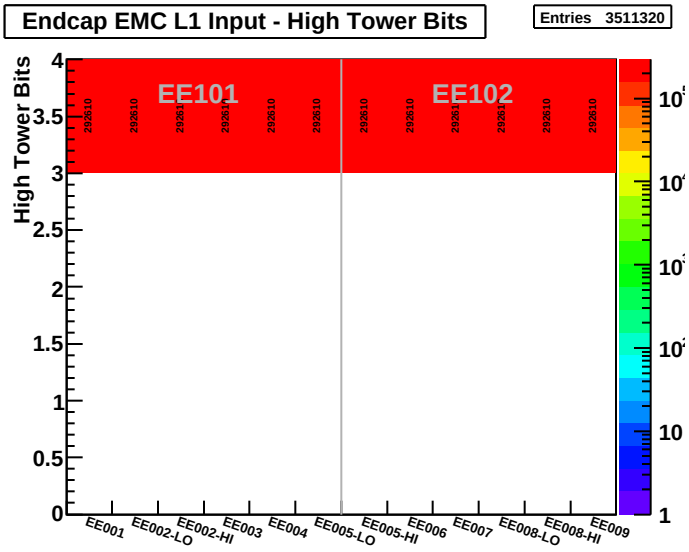

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

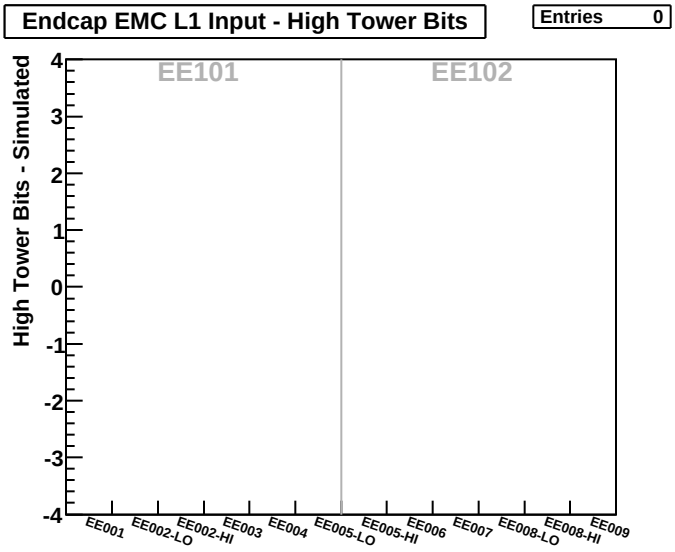

Endcap EMC L1 Input - Low Eta Sum
Entries 3511320
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

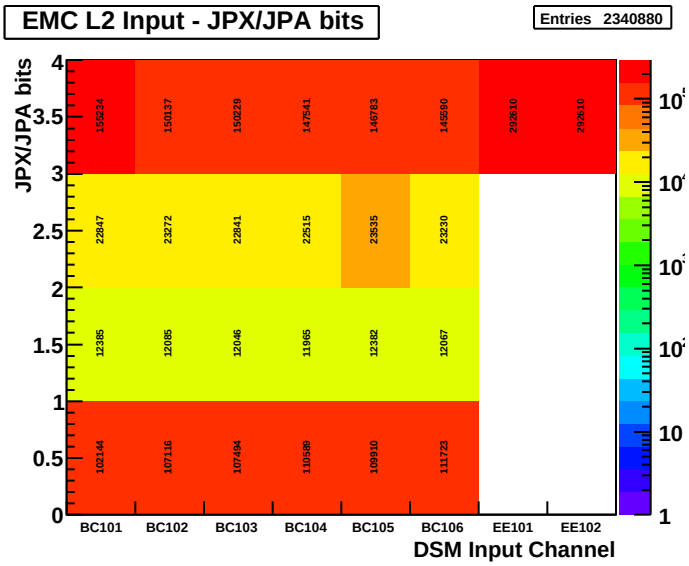

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

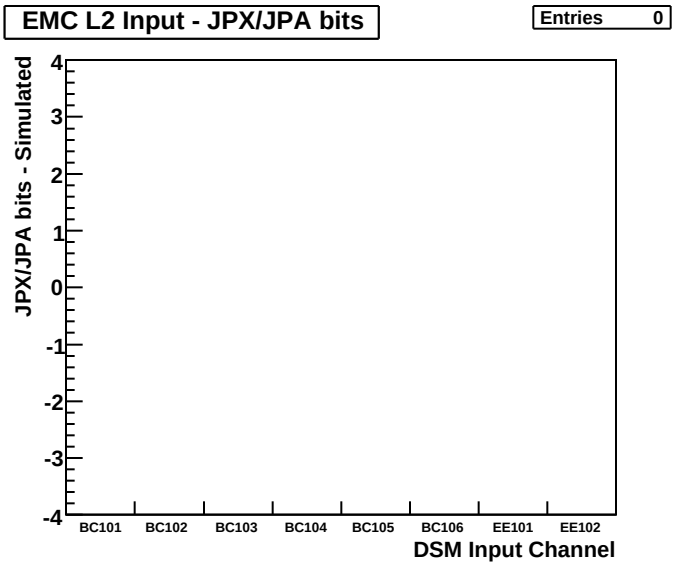

Endcap EMC L1 Input - High Eta Sum
Entries 3511320
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

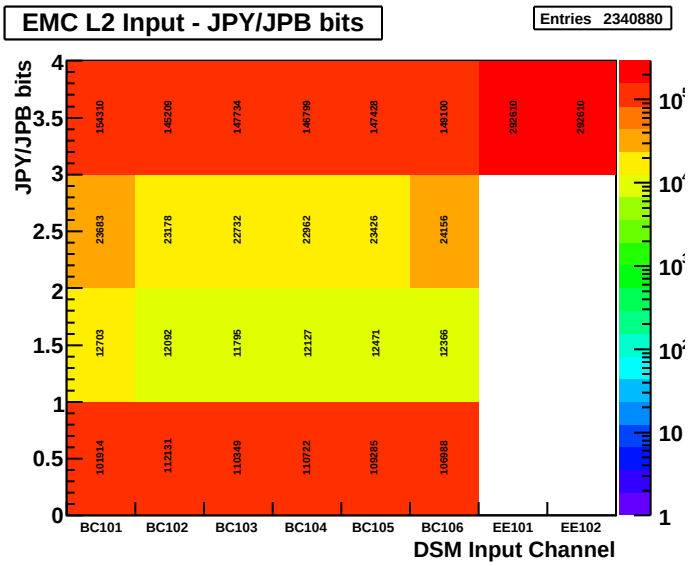

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

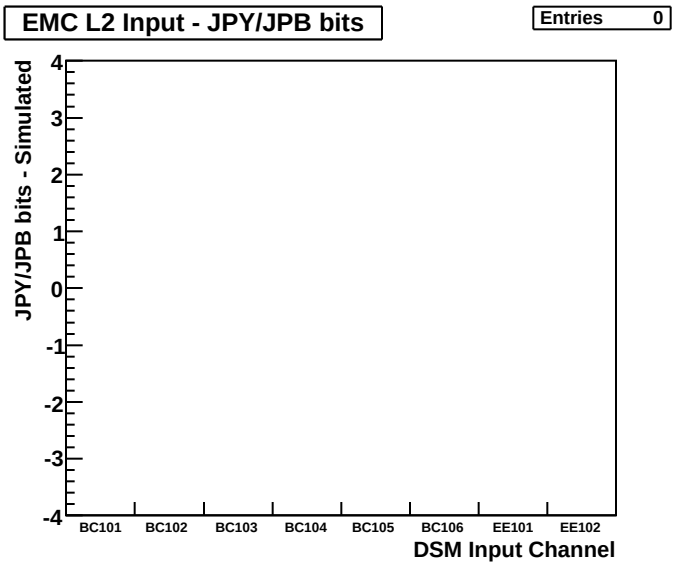

Endcap EMC L1 Input - High Tower Bits
Entries 3511320
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

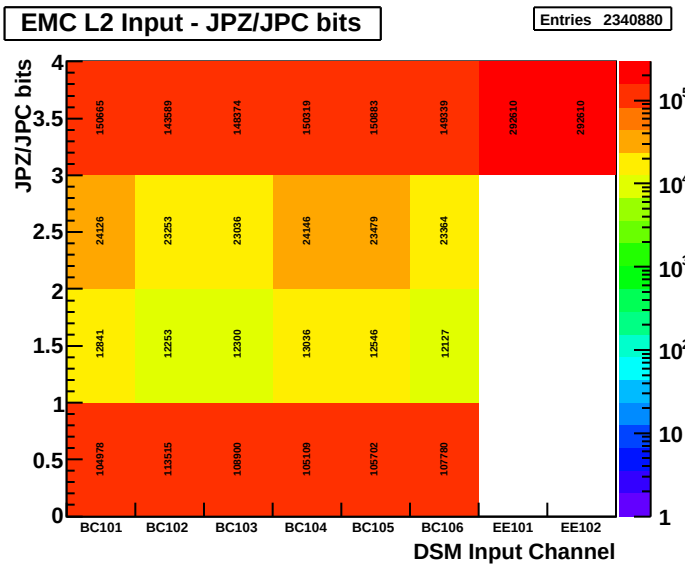

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

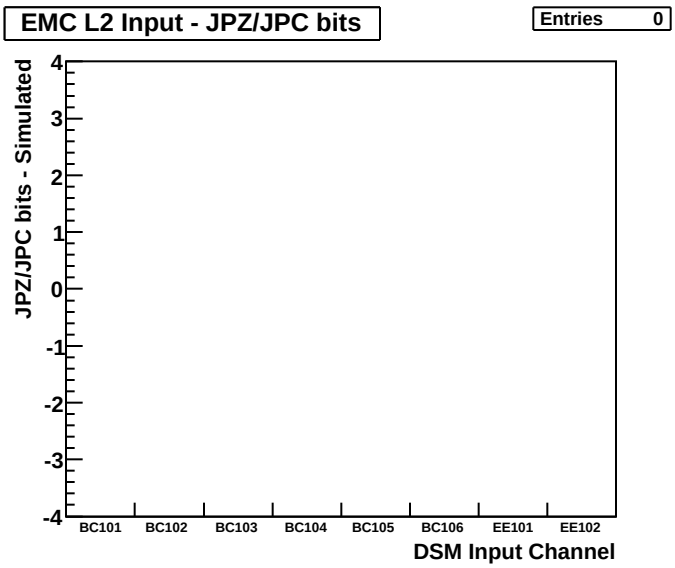

EMC L2 Input - JPX/JPA bits
Entries 2340880
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
155234 150137 150229 147541 146783 145590 292610 292610
22847 23272 22841 22515 23535 23230
12385 12085 12046 11965 12382 12067
102144 107116 107494 110589 109910 111723

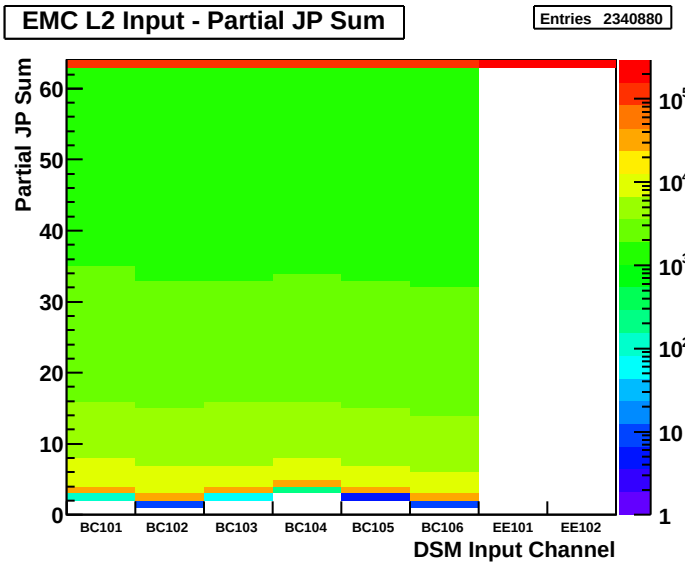

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

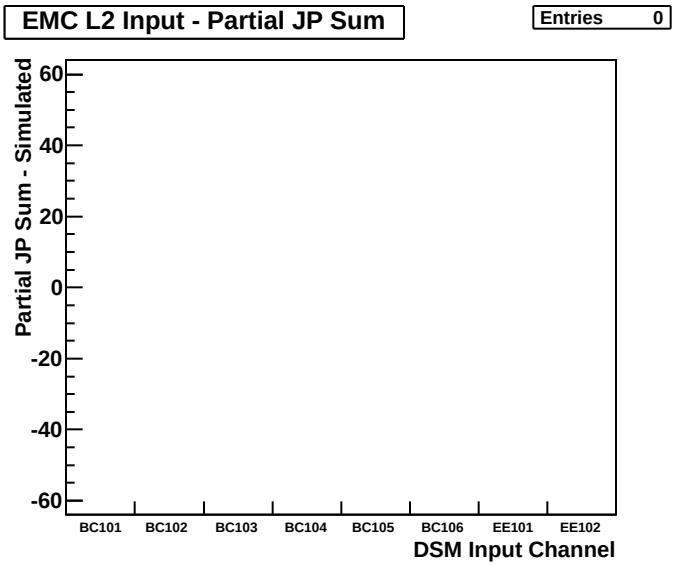

EMC L2 Input - JPY/JPB bits
Entries 2340880
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
154310 146209 147734 146799 147428 149100 292610 292610
23683 23178 22732 22962 23426 24156
12703 12092 11795 12127 12471 12366
103914 112131 110349 110722 109285 106988

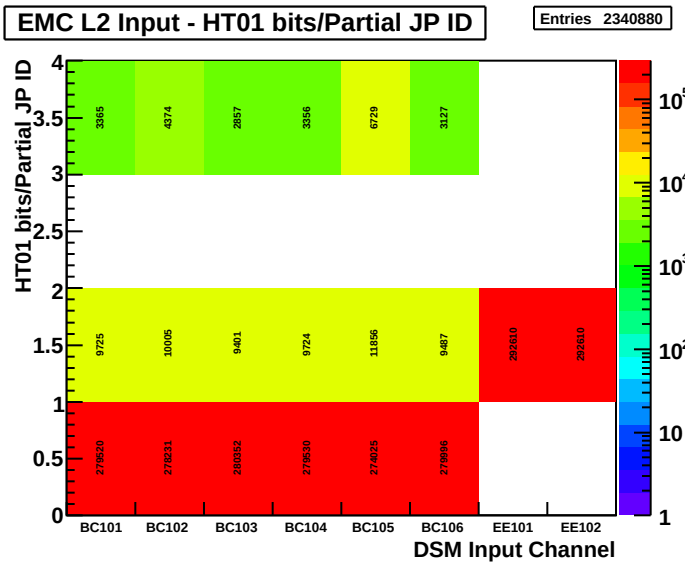

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

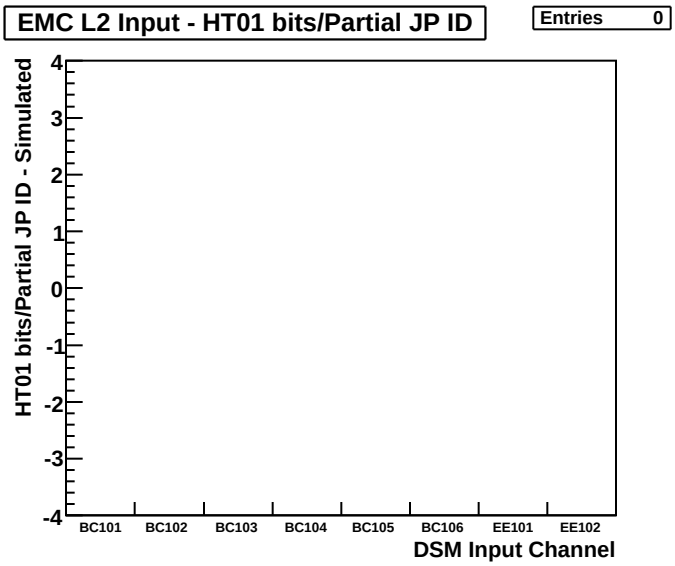

EMC L2 Input - JPZ/JPC bits
Entries 2340880
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
150665 143569 148374 150319 150883 149339 292610 292610
24126 23253 23036 24146 23479 23364
12841 12253 12300 13036 12546 12127
104978 113515 108900 105109 105702 107780

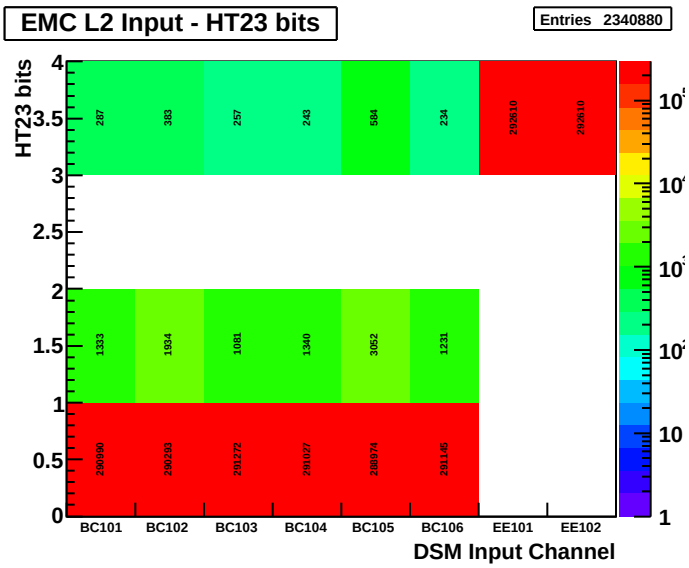

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

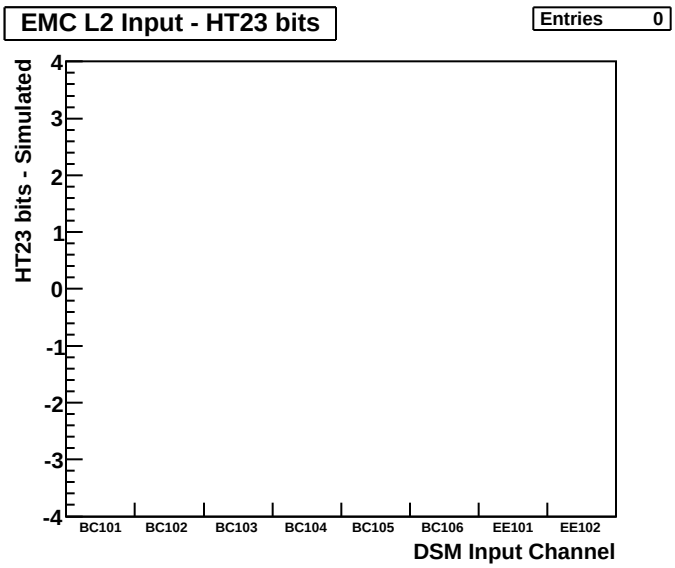

EMC L2 Input - Partial JP Sum
Entries 2340880
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

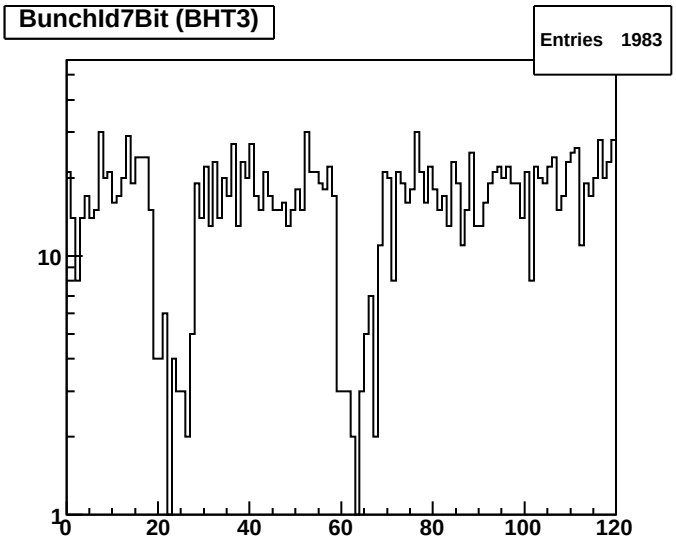

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

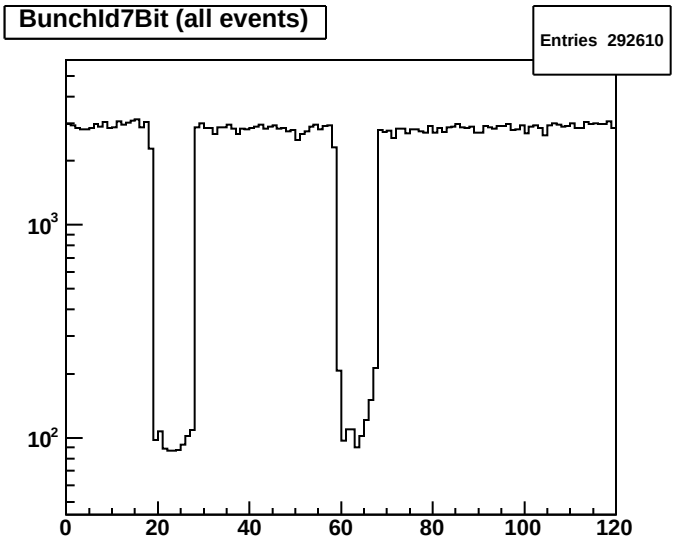

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2340880
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

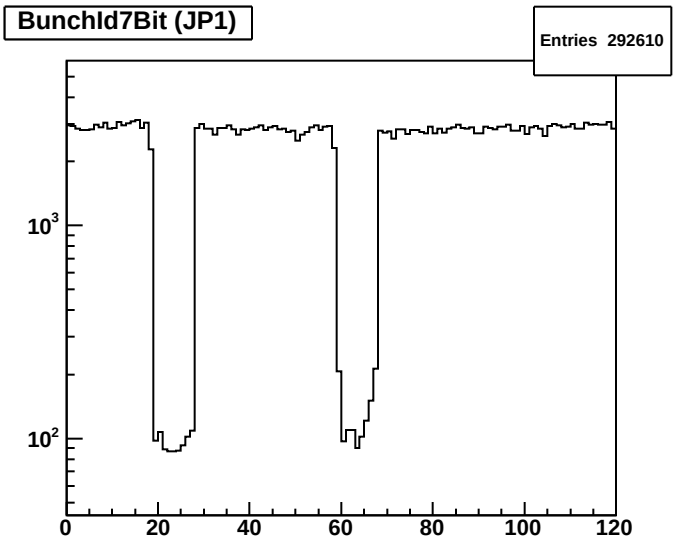

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

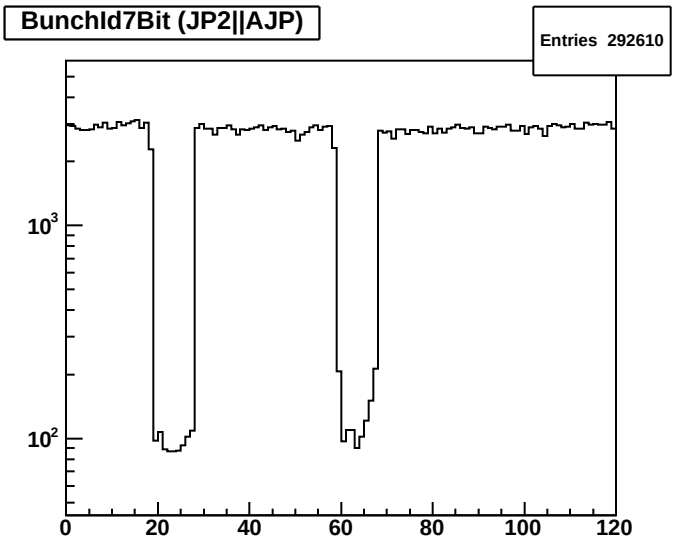

EMC L2 Input - HT23 bits
Entries 2340880
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

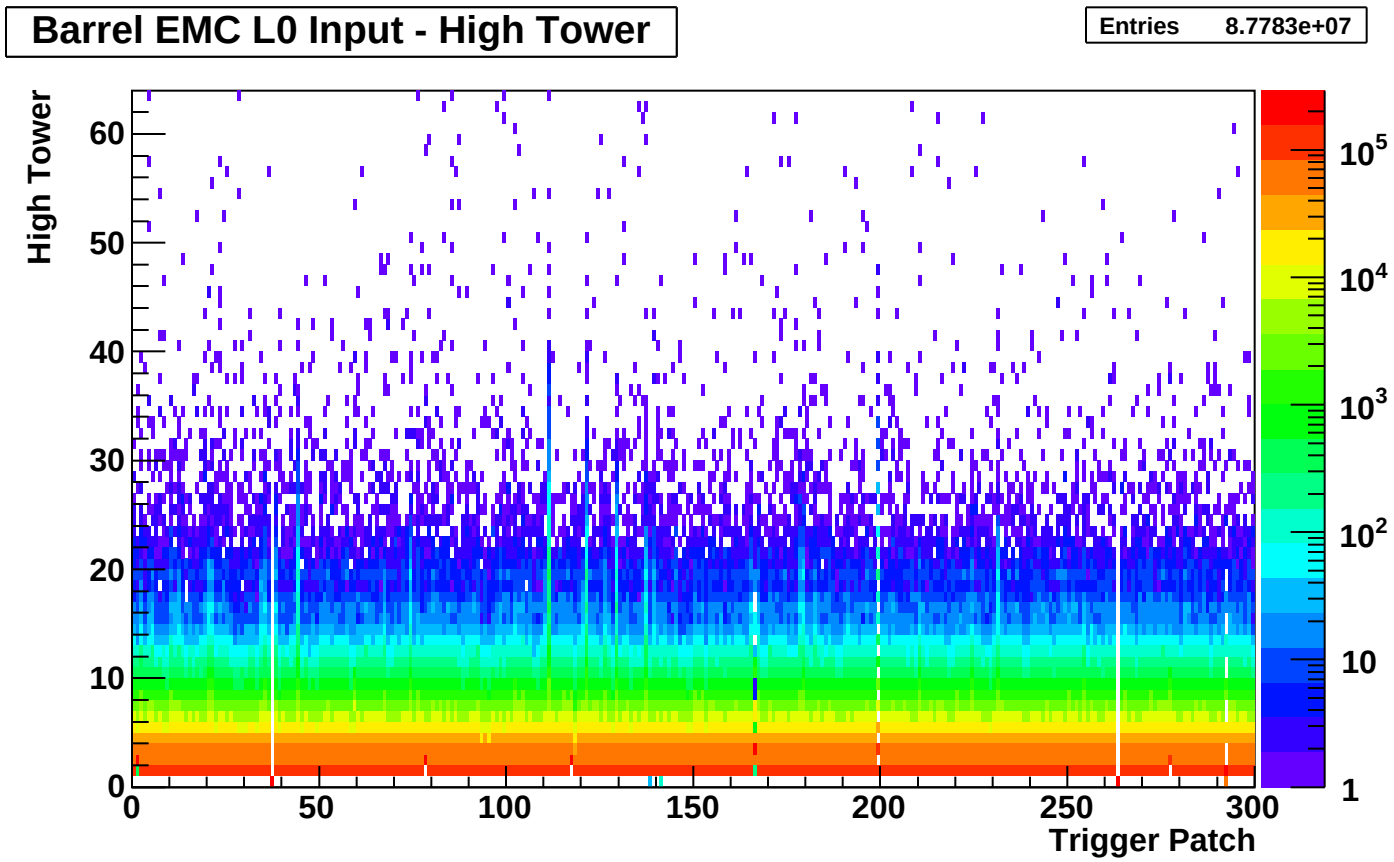

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

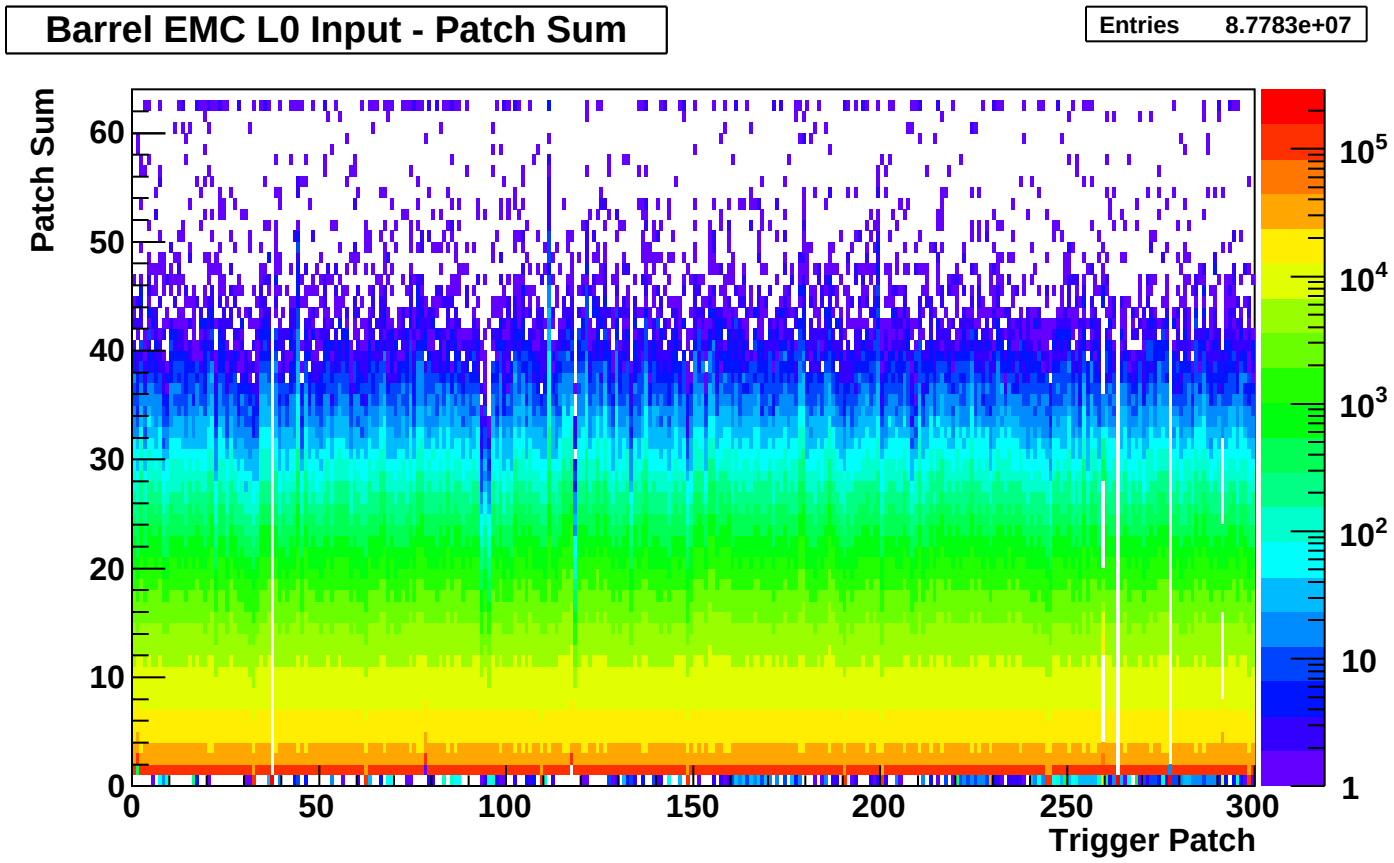

BunchId7Bit (BHT3)
Entries 1983
10
1
0
20
40
60
80
100
120

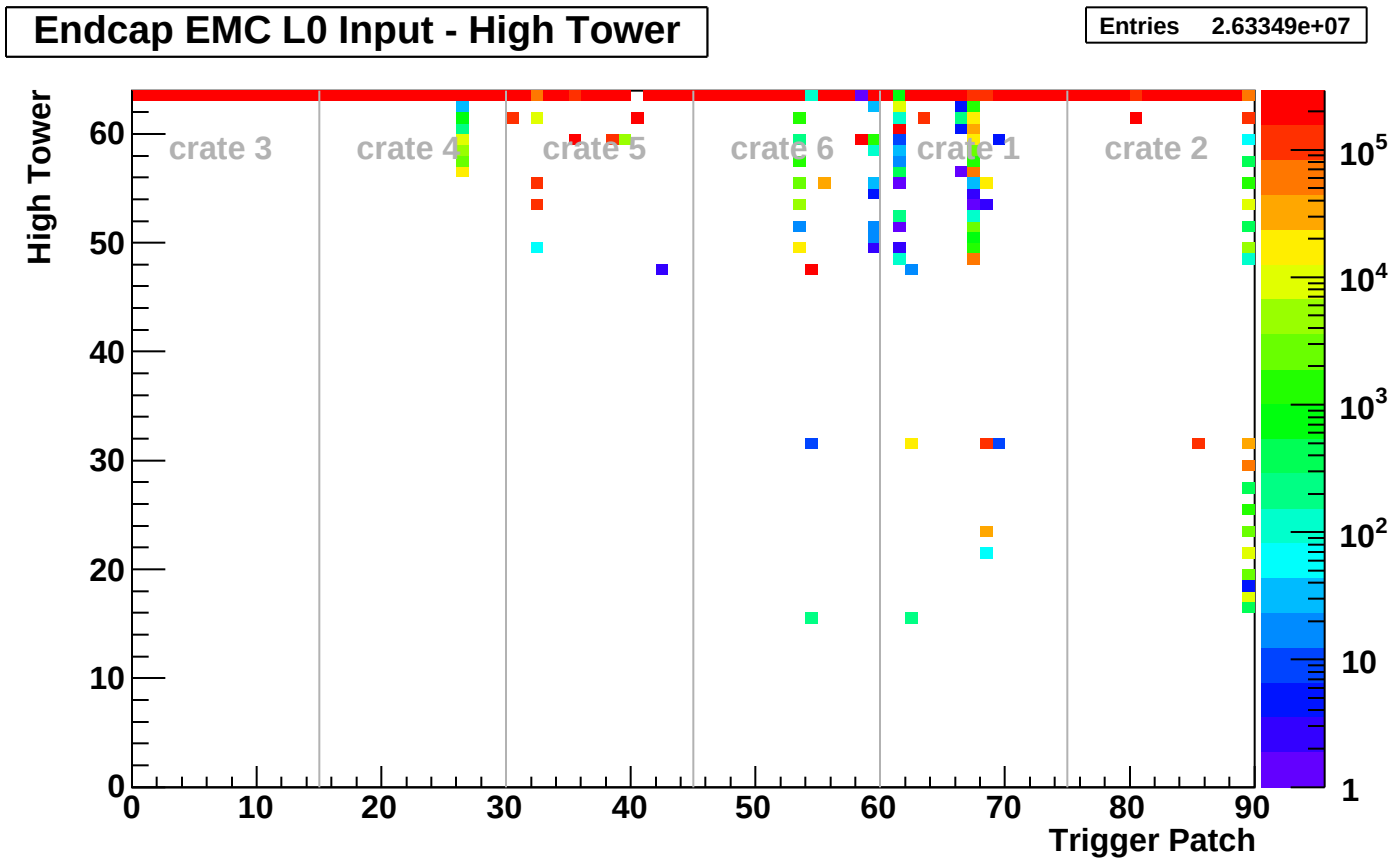

BunchId7Bit (all events)
Entries 292610
10^3
10^2
0
20
40
60
80
100
120

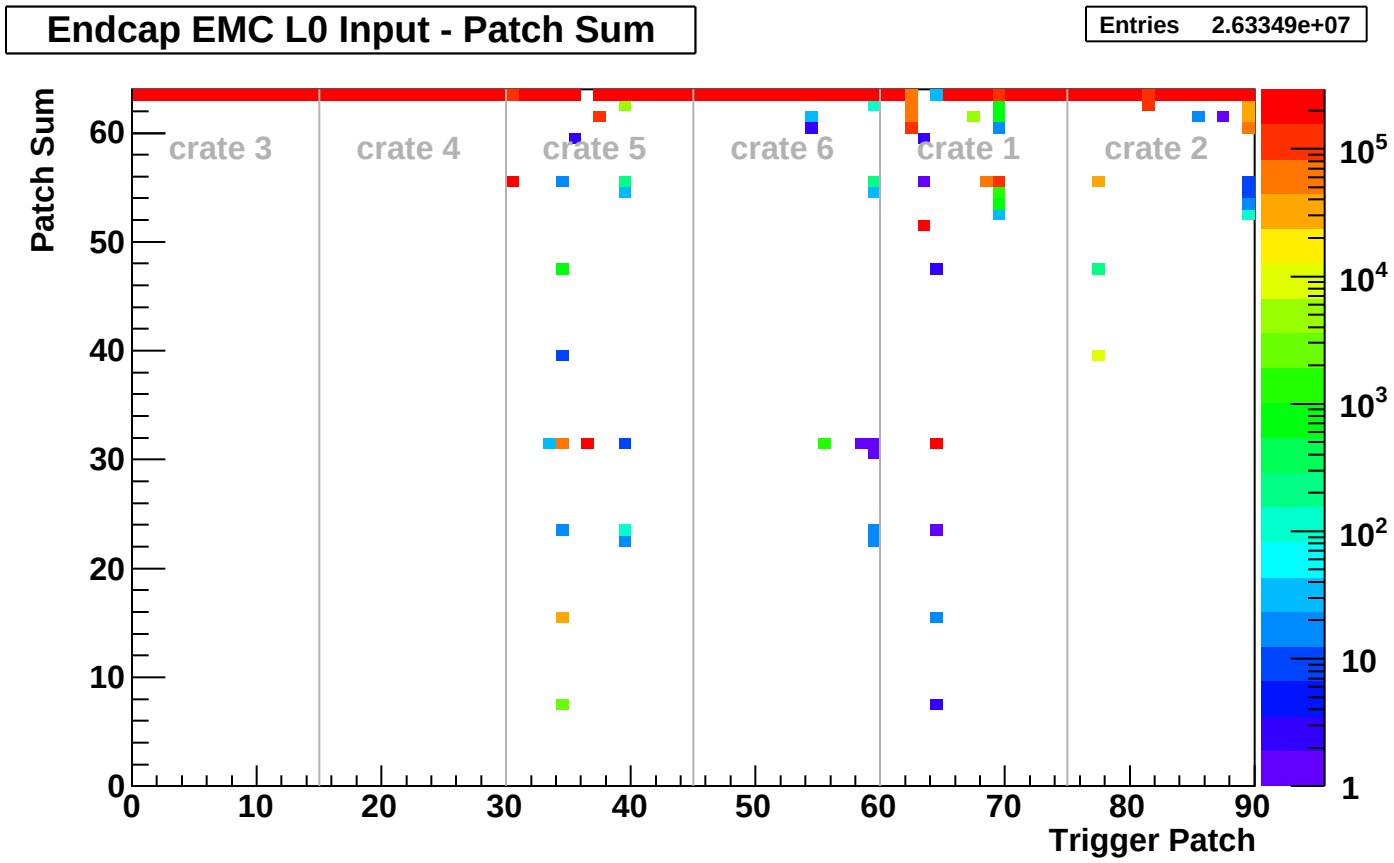

BunchId7Bit (JP1)
Entries 292610
10^3
10^2
0
20
40
60
80
100
120

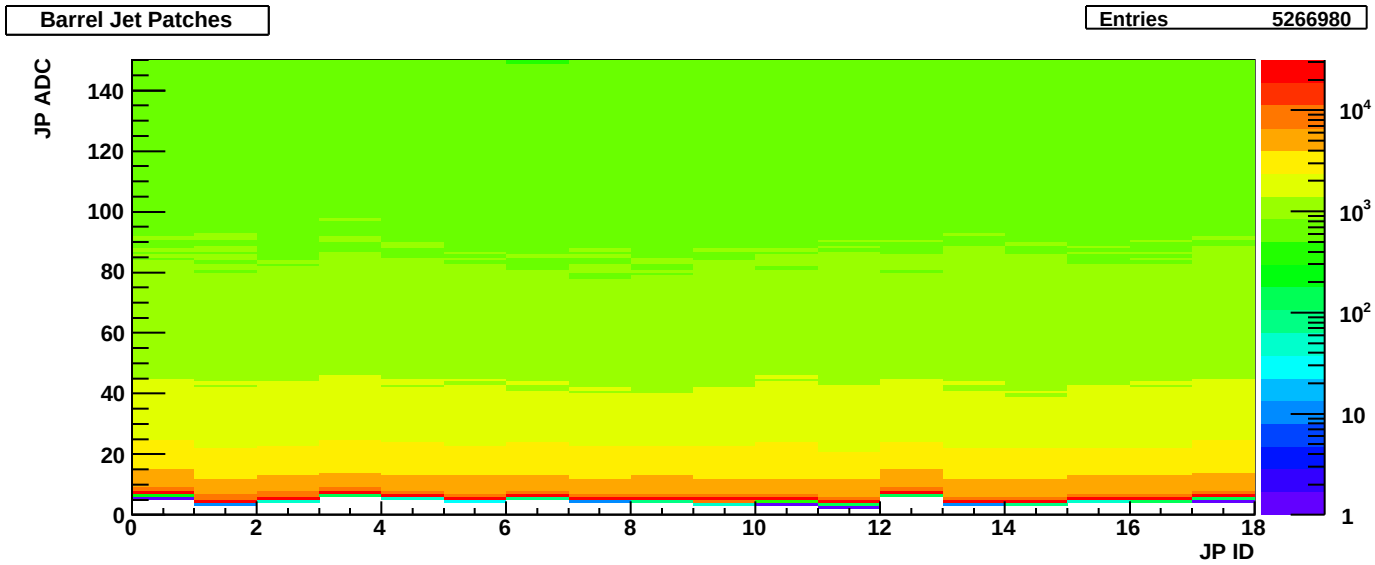

BunchId7Bit (JP2||AJP)
Entries 292610
10^3
10^2
0
20
40
60
80
100
120

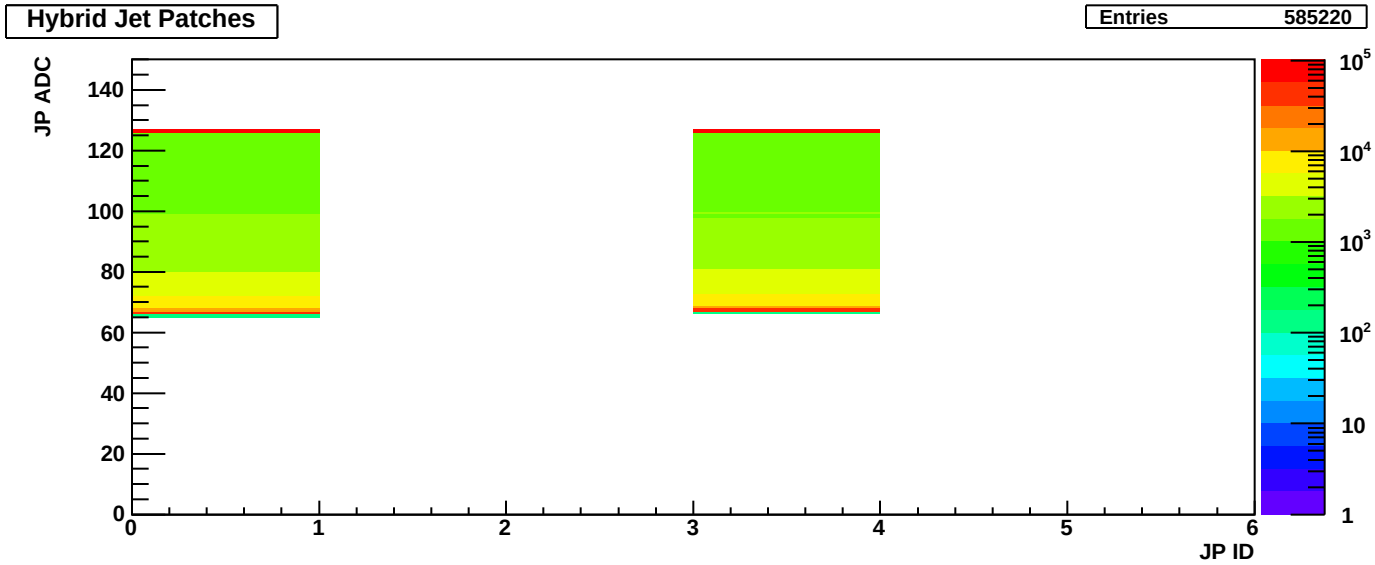

Barrel EMC L0 Input - High Tower
Entries 8.7783e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

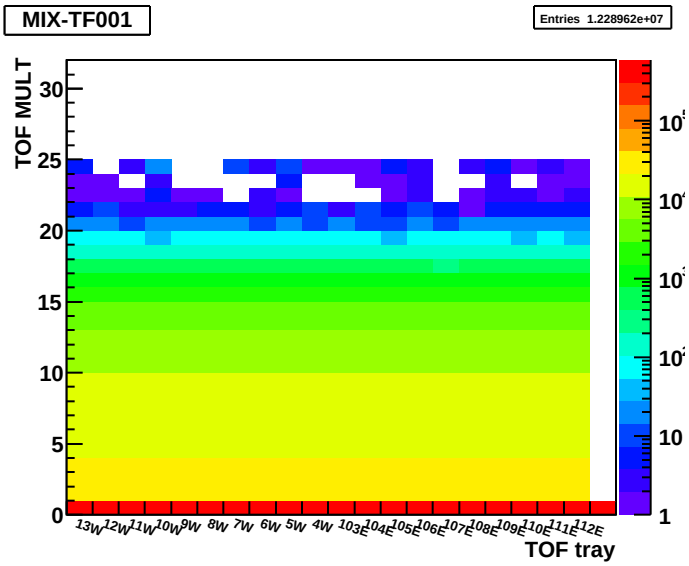

Barrel EMC L0 Input - Patch Sum
Entries 8.7783e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

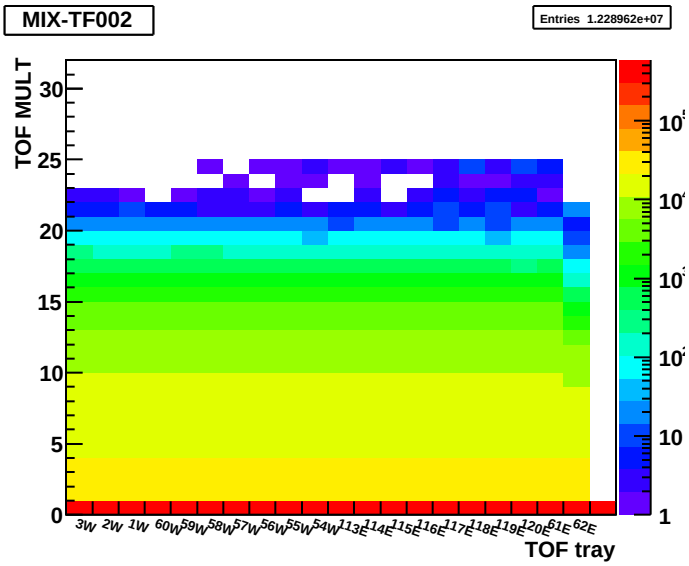

Endcap EMC L0 Input - High Tower
Entries 2.63349e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

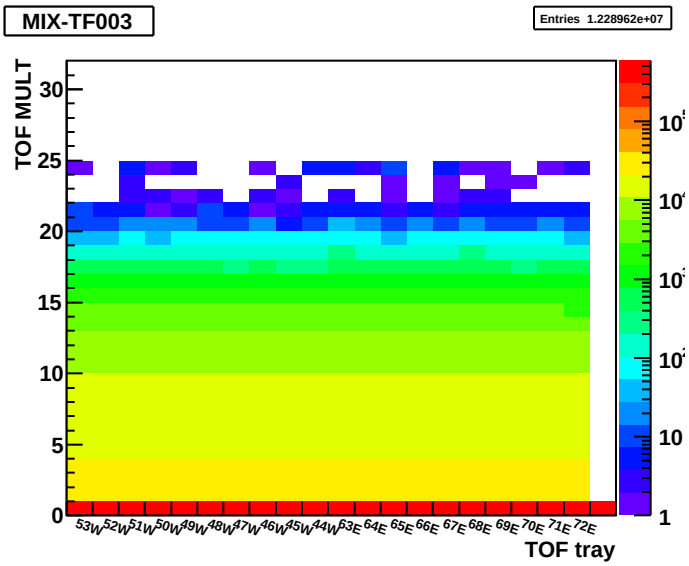

Endcap EMC L0 Input - Patch Sum
Entries 2.63349e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

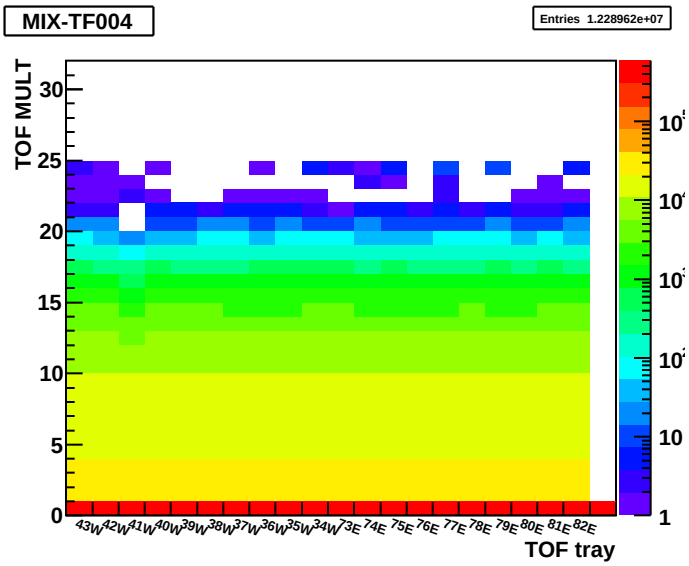

Barrel Jet Patches
Entries 5266980
JP ADC
JP ID

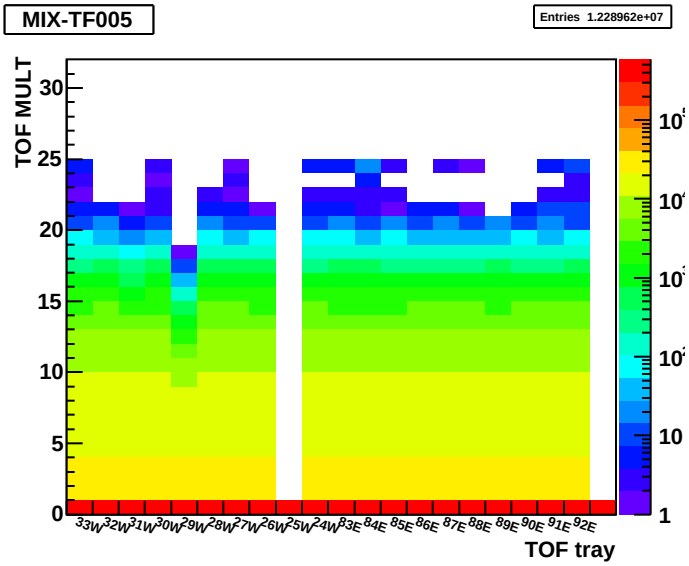

Hybrid Jet Patches
Entries 585220
JP ADC
JP ID

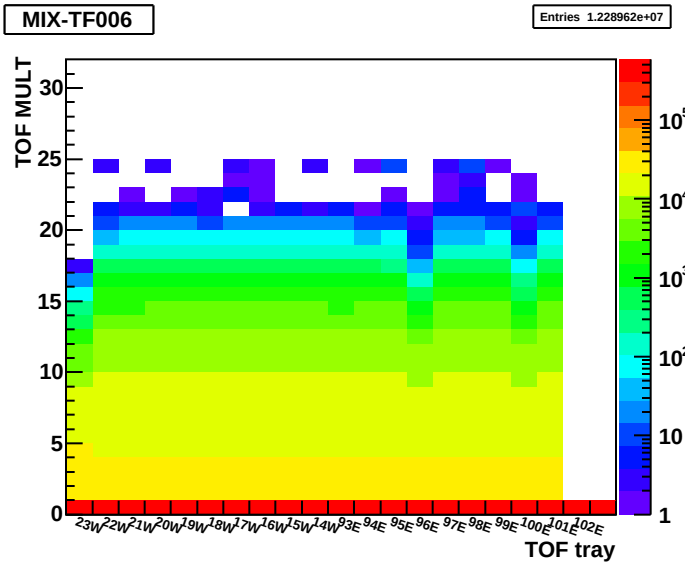

MIX-TF001
Entries 1.228962e+07
TOF MULT
TOF tray

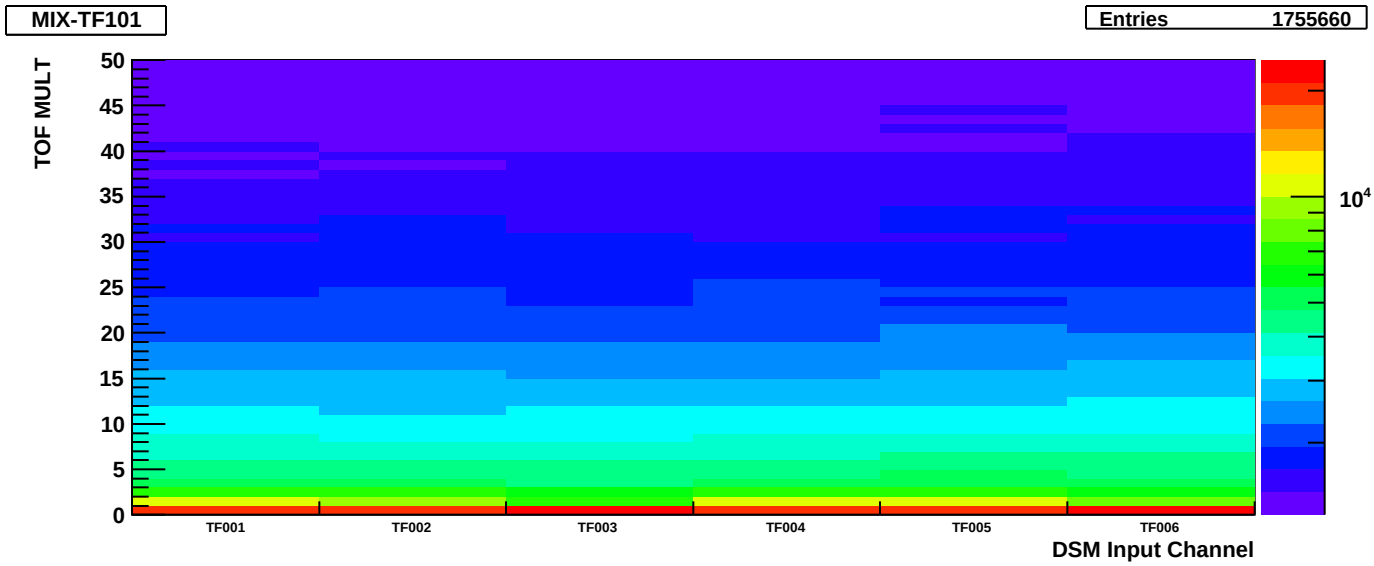

MIX-TF002
Entries 1.228962e+07
TOF MULT
TOF tray

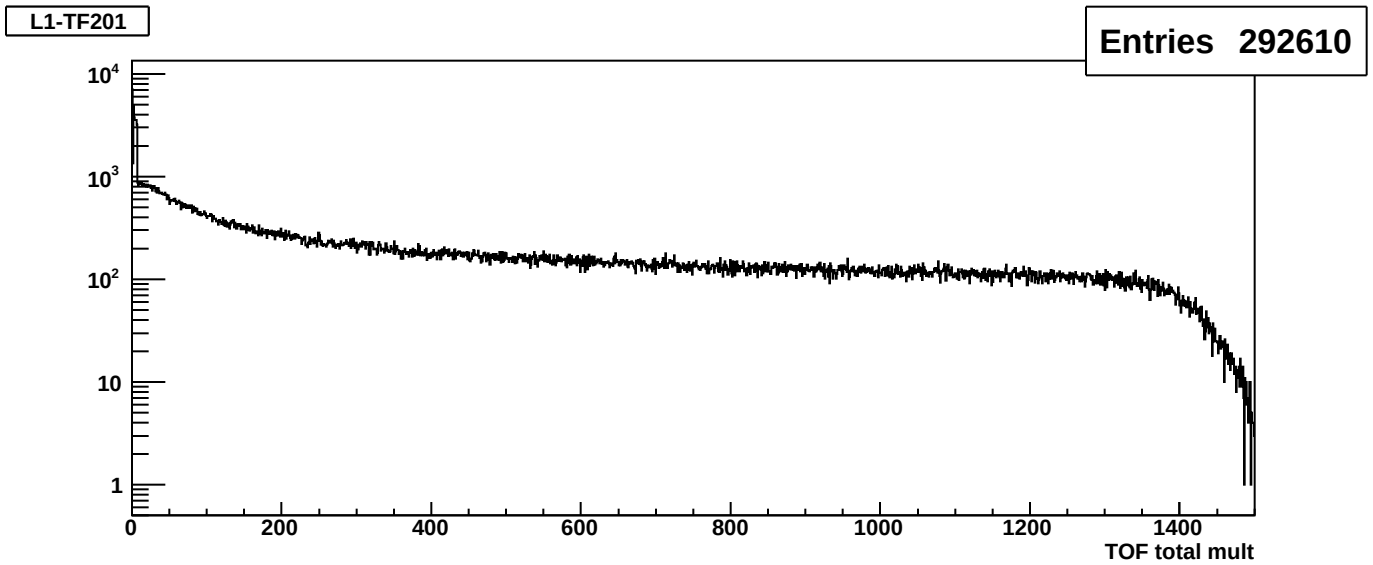

MIX-TF003
Entries 1.228962e+07
TOF MULT
TOF tray

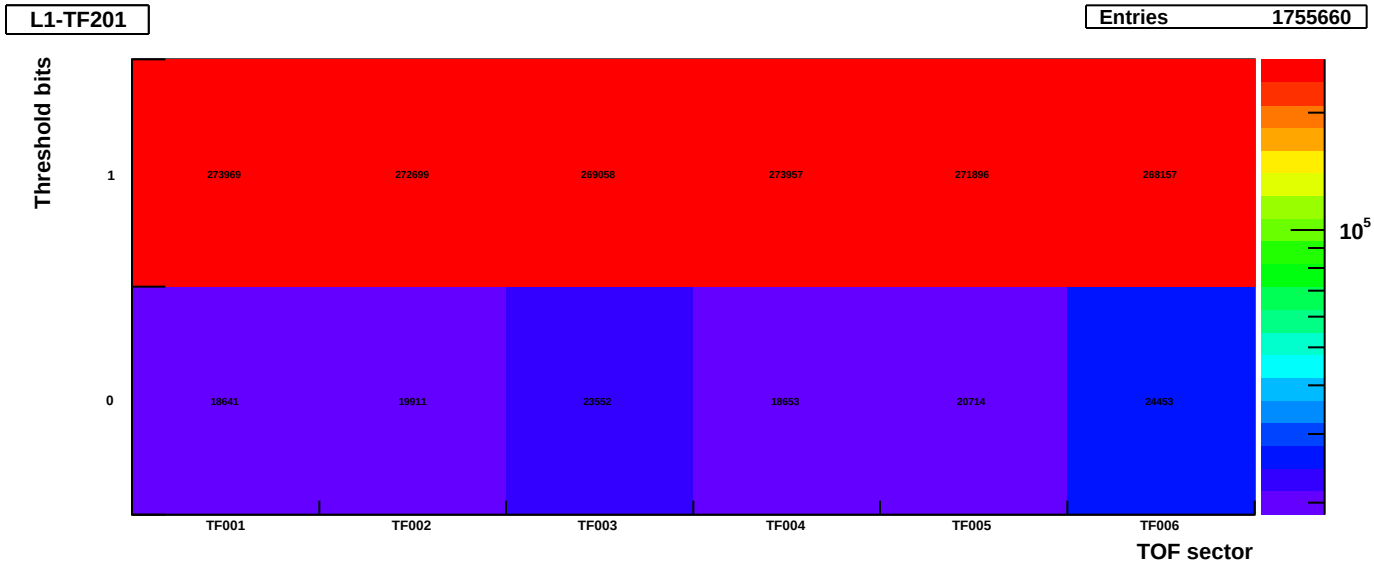

MIX-TF004
Entries 1.228962e+07
TOF MULT
TOF tray

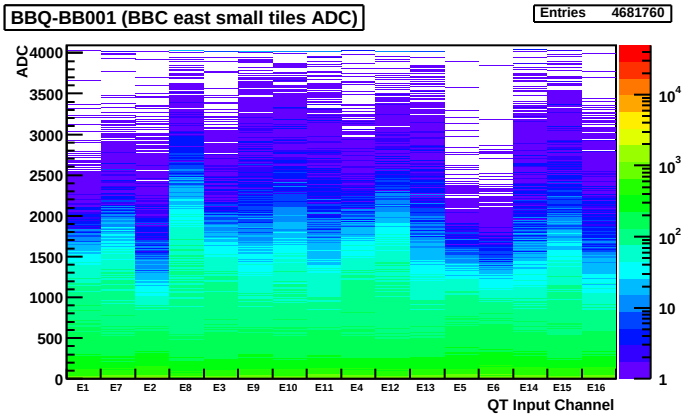

MIX-TF005
Entries 1.228962e+07
TOF MULT
TOF tray

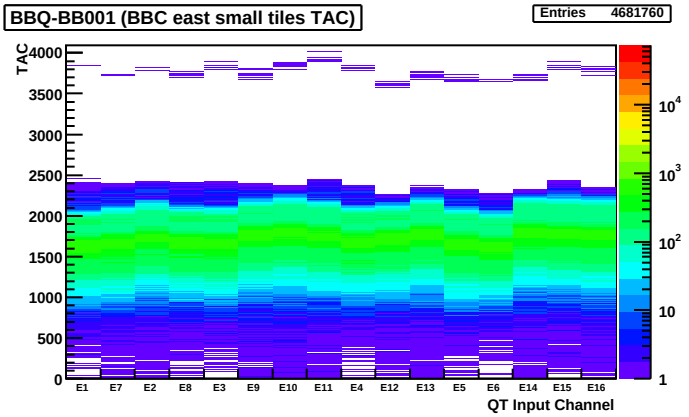

MIX-TF006
Entries 1.228962e+07
TOF MULT
TOF tray

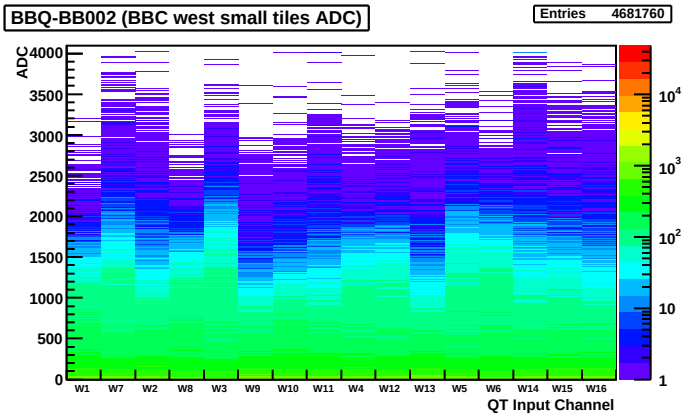

MIX-TF101
Entries 1755660
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

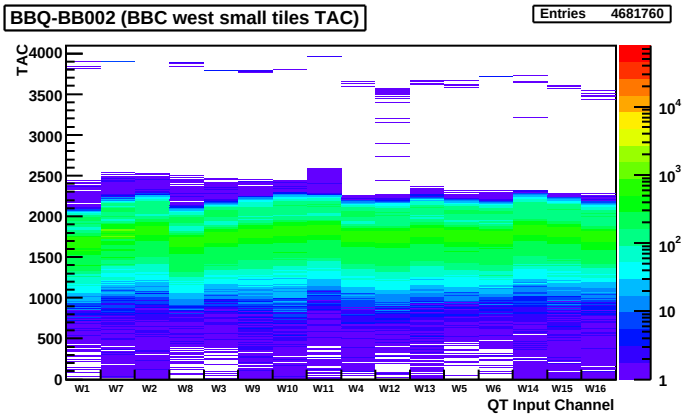

L1-TF201
Entries 292610
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

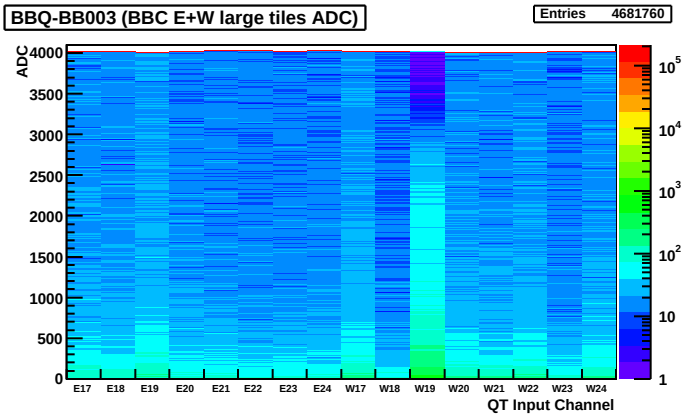

L1-TF201
Entries 1755660
Threshold bits
1
0
273969
272699
269058
273957
271896
268157
18641
19911
23552
18653
20714
24453
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

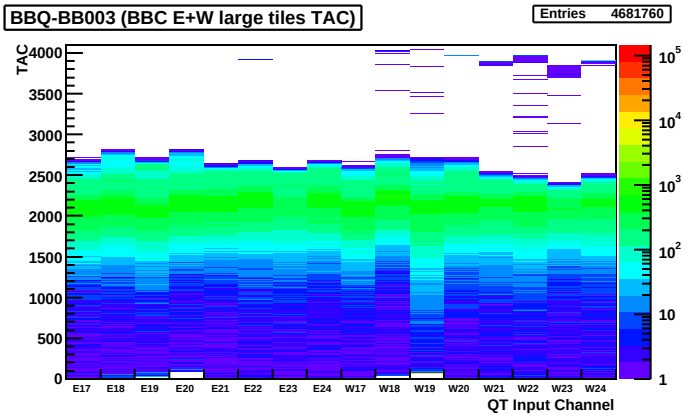

BBQ-BB001 (BBC east small tiles ADC)
Entries 4681760
ADC
QT Input Channel

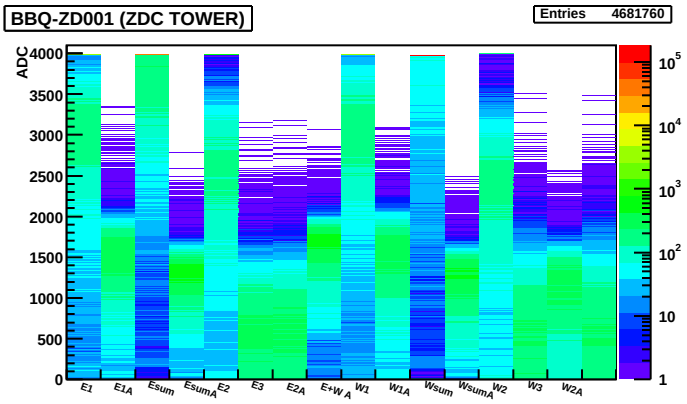

BBQ-BB001 (BBC east small tiles TAC)
Entries 4681760
TAC
QT Input Channel

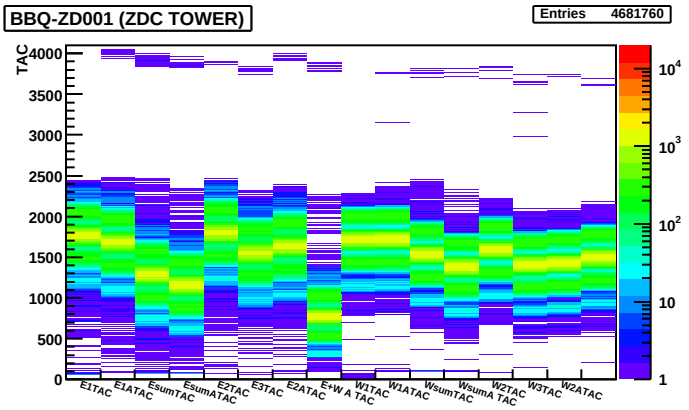

BBQ-BB002 (BBC west small tiles ADC)
Entries 4681760
ADC
QT Input Channel

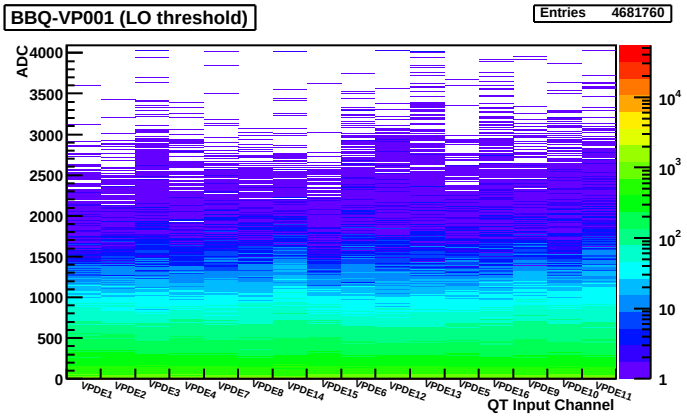

BBQ-BB002 (BBC west small tiles TAC)
Entries 4681760
TAC
QT Input Channel

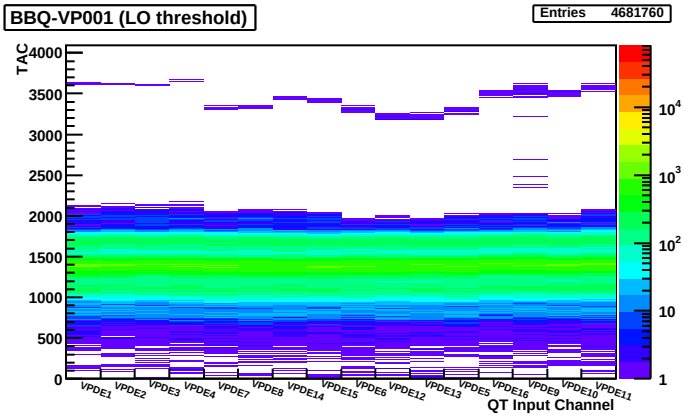

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 4681760
ADC
QT Input Channel

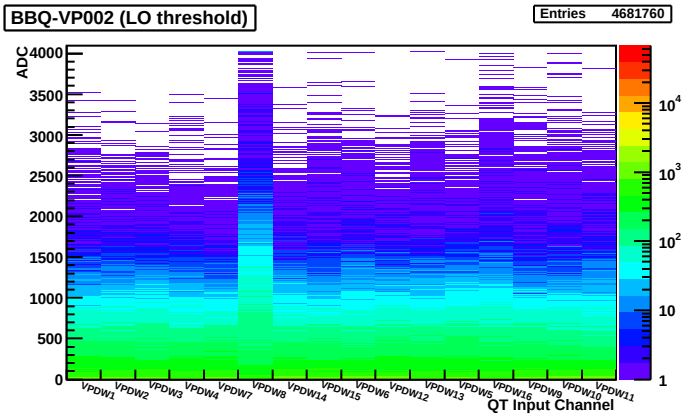

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 4681760
TAC
QT Input Channel

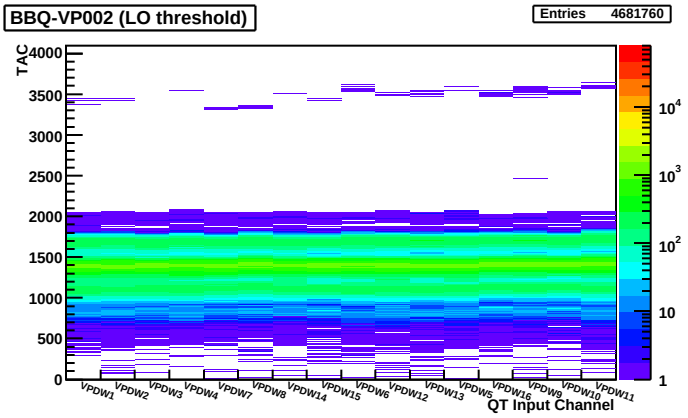

BBQ-ZD001 (ZDC TOWER)
Entries 4681760
ADC

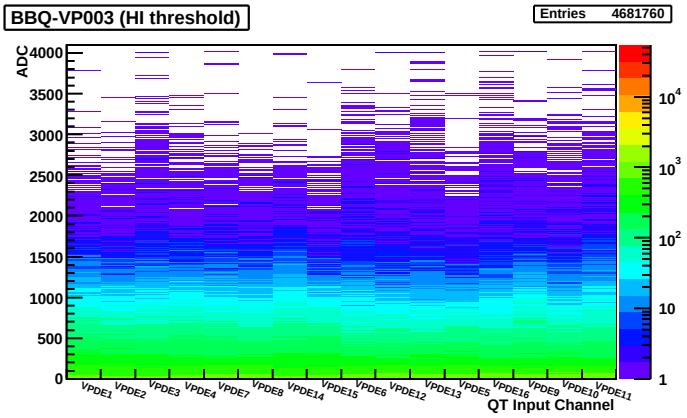

BBQ-ZD001 (ZDC TOWER)
Entries 4681760
TAC

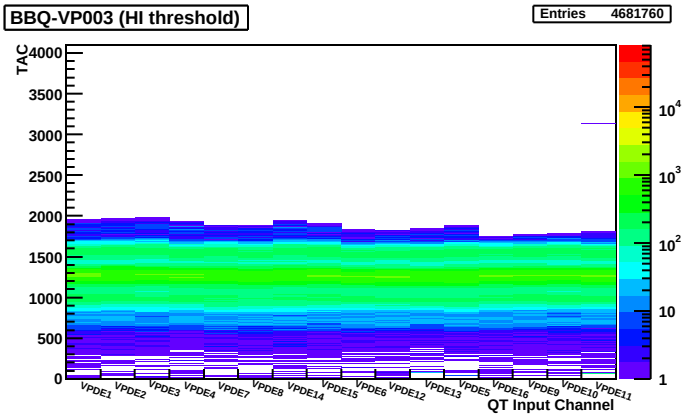

BBQ-VP001 (LO threshold)
Entries 4681760
ADC
QT Input Channel

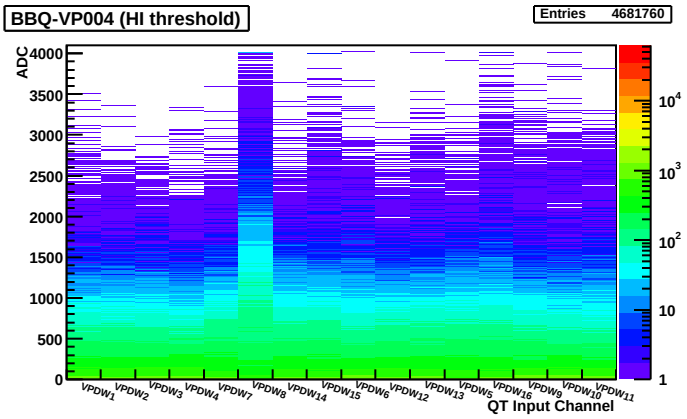

BBQ-VP001 (LO threshold)
Entries 4681760
TAC
QT Input Channel

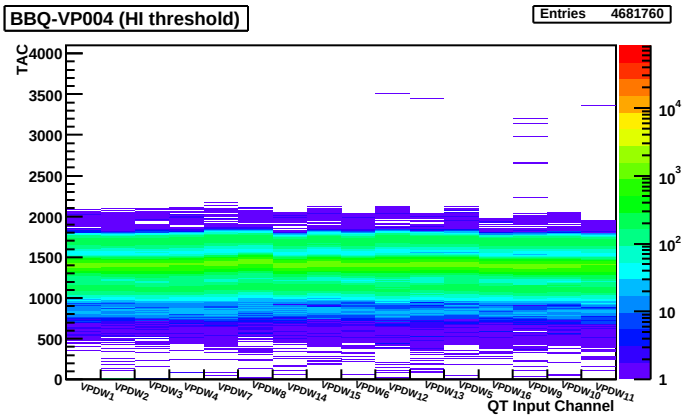

BBQ-VP002 (LO threshold)
Entries 4681760
ADC
QT Input Channel

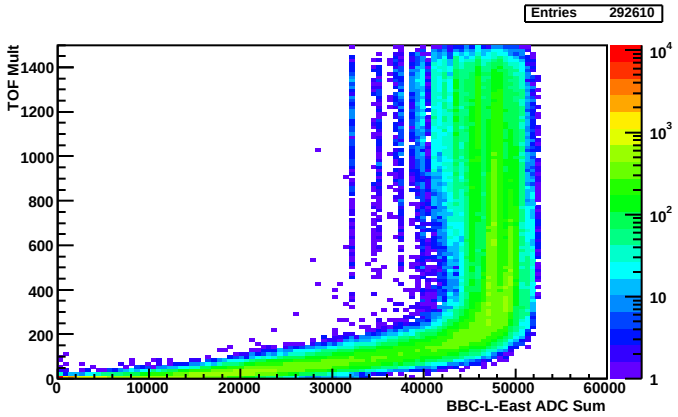

BBQ-VP002 (LO threshold)
Entries 4681760
TAC
QT Input Channel

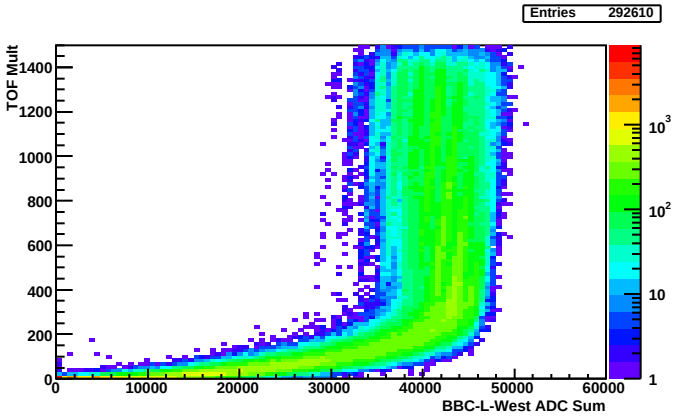

BBQ-VP003 (HI threshold)
Entries 4681760
ADC
QT Input Channel

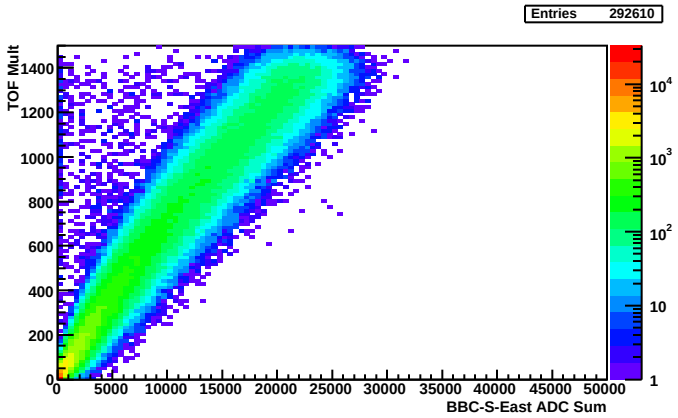

BBQ-VP003 (HI threshold)
Entries 4681760
TAC
QT Input Channel

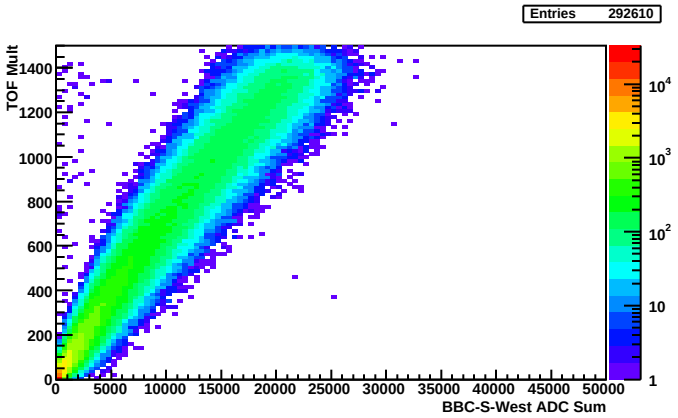

BBQ-VP004 (HI threshold)
Entries 4681760
ADC
QT Input Channel

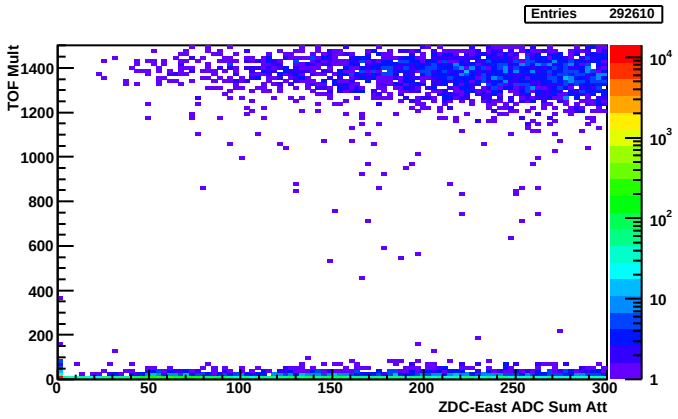

BBQ-VP004 (HI threshold)
Entries 4681760
TAC
QT Input Channel

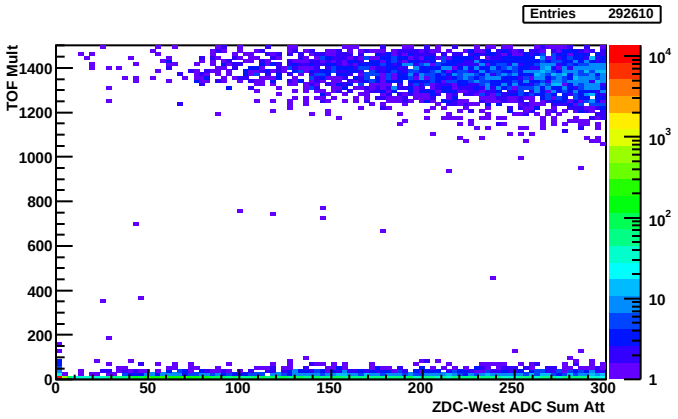

Entries 292610
TOF Mult
BBC-L-East ADC Sum

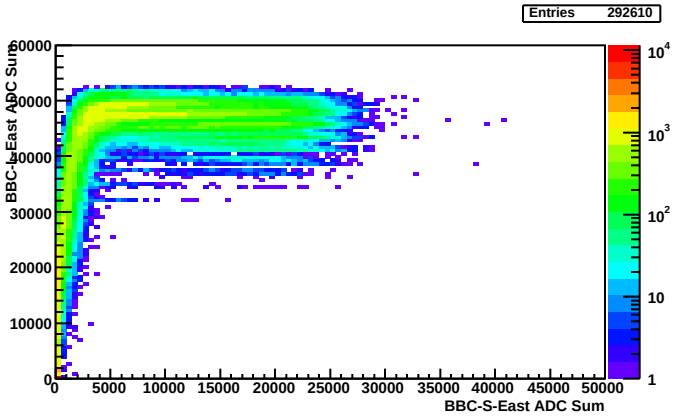

Entries 292610
TOF Mult
BBC-L-West ADC Sum

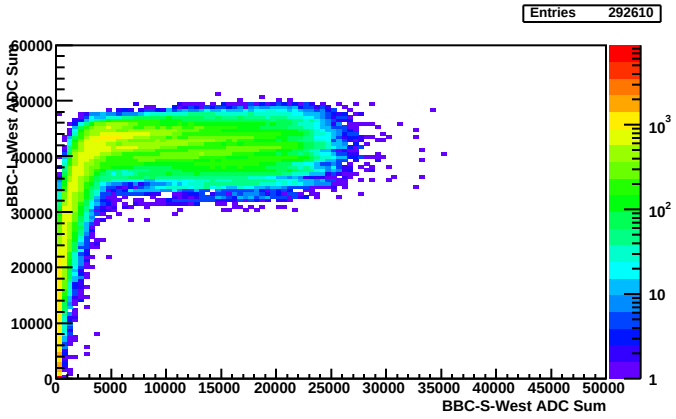

Entries 292610
TOF Mult
BBC-S-East ADC Sum

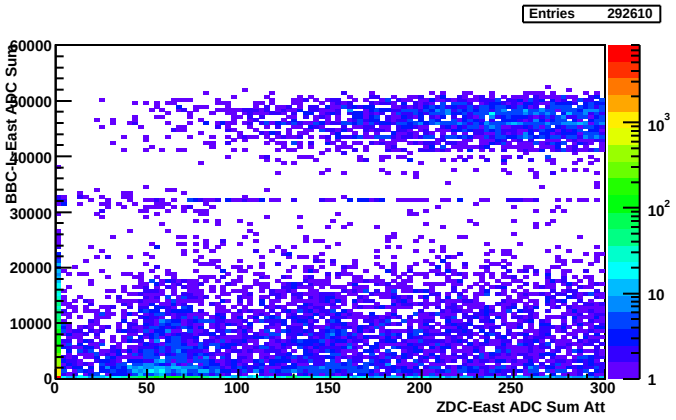

Entries 292610
TOF Mult
BBC-S-West ADC Sum

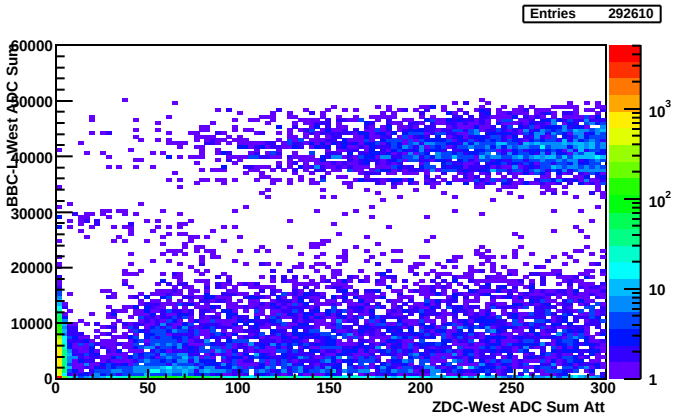

Entries 292610
TOF Mult
ZDC-East ADC Sum Att

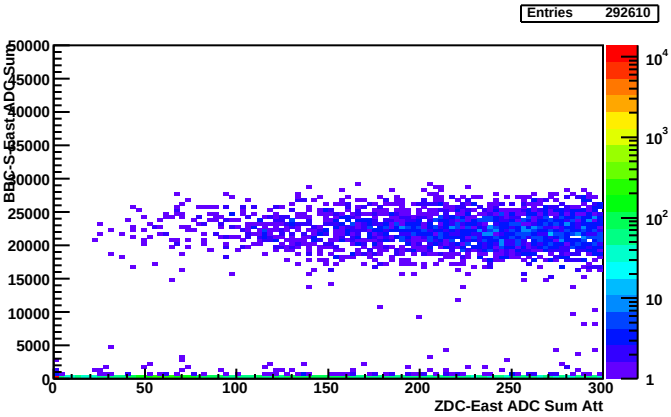

Entries 292610
TOF Mult
ZDC-West ADC Sum Att

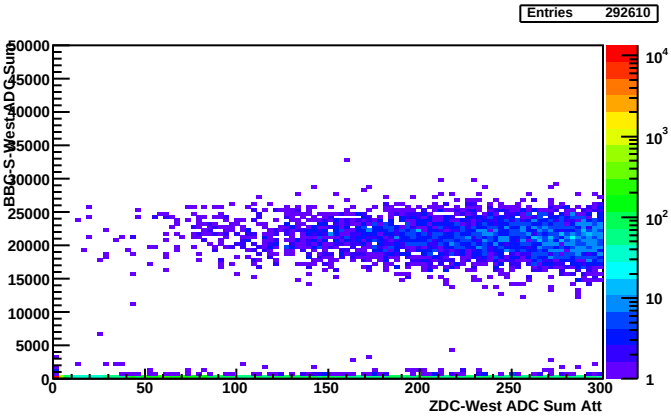

Entries 292610
BBC-L-East ADC Sum
BBC-S-East ADC Sum

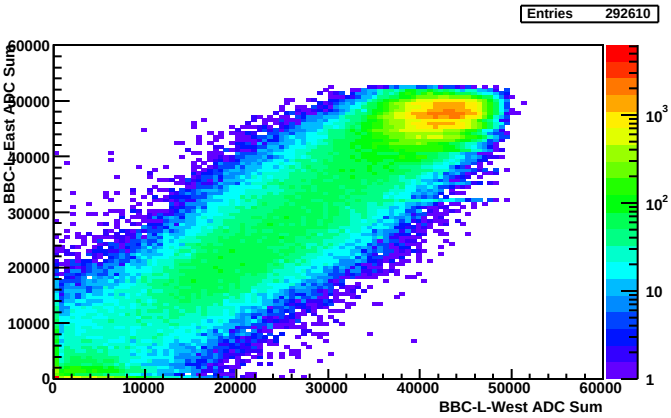

Entries 292610
BBC-L-West ADC Sum
BBC-S-West ADC Sum

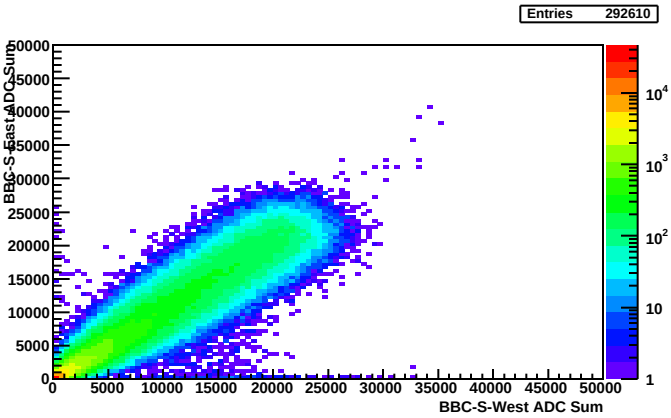

Entries 292610
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

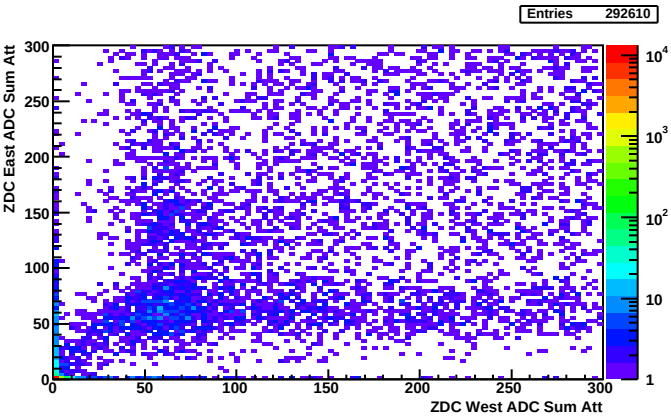

Entries 292610
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

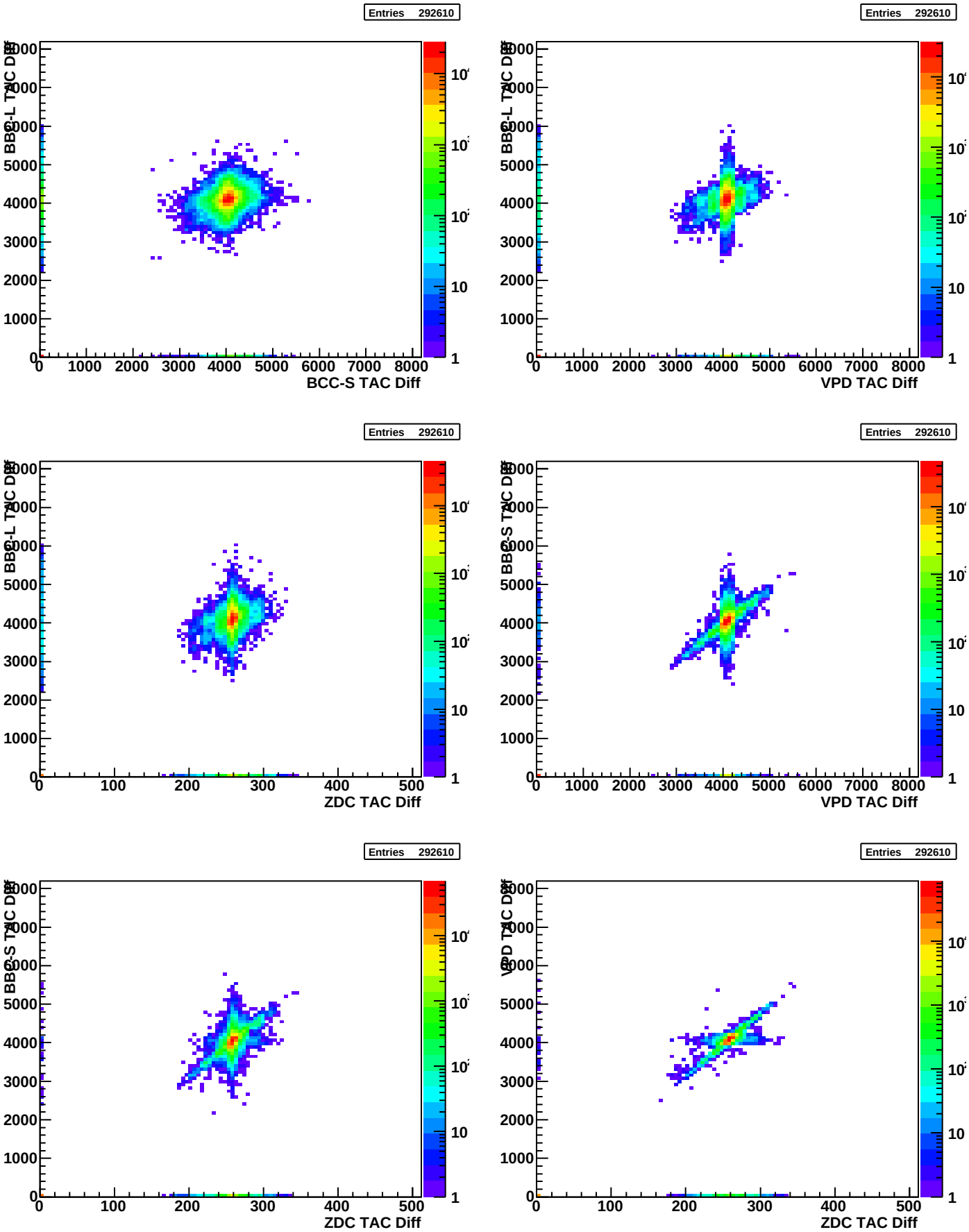

Entries 292610
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

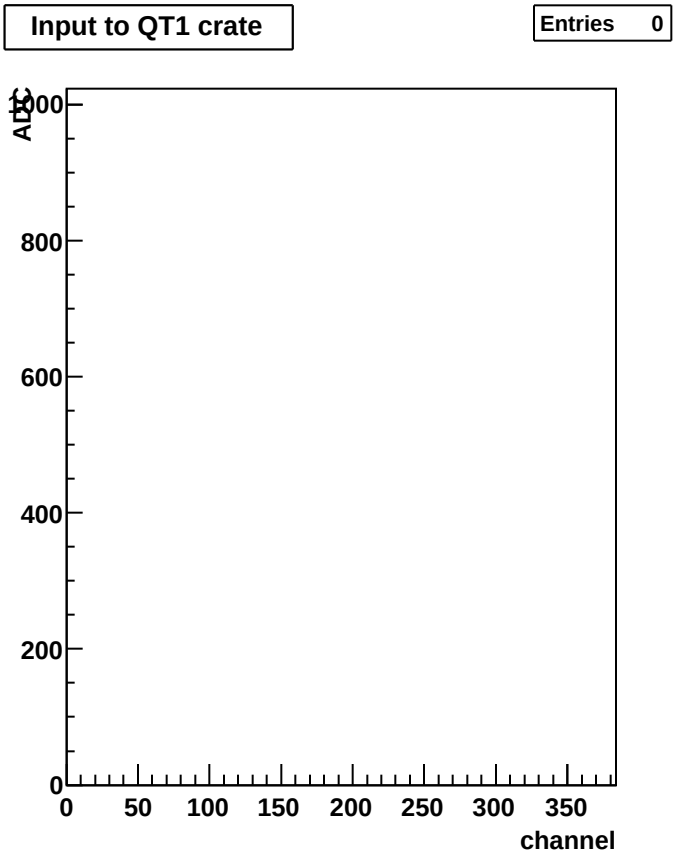

Entries 292610
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

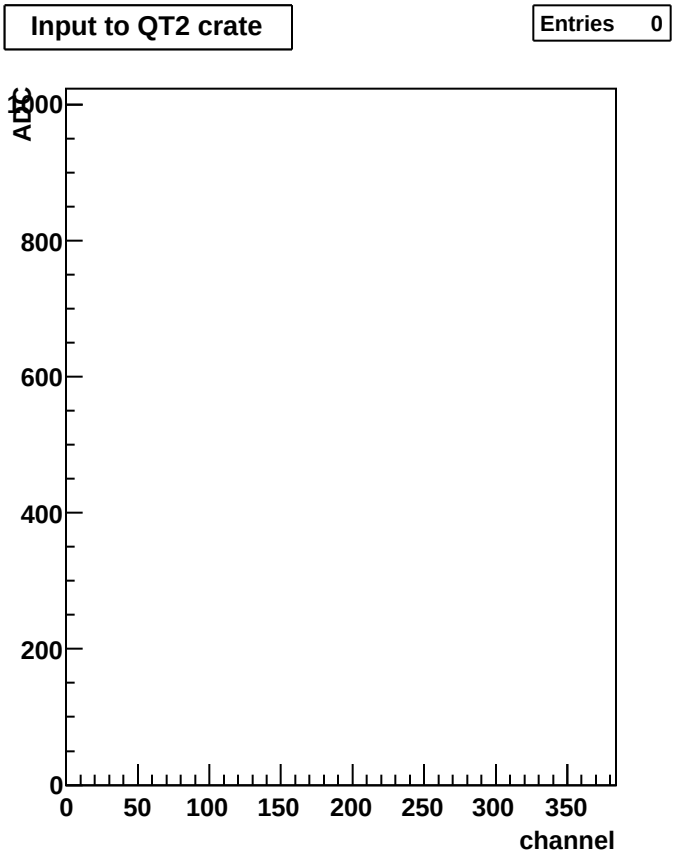

Entries 292610
BBC-L-East ADC Sum
BBC-L-West ADC Sum

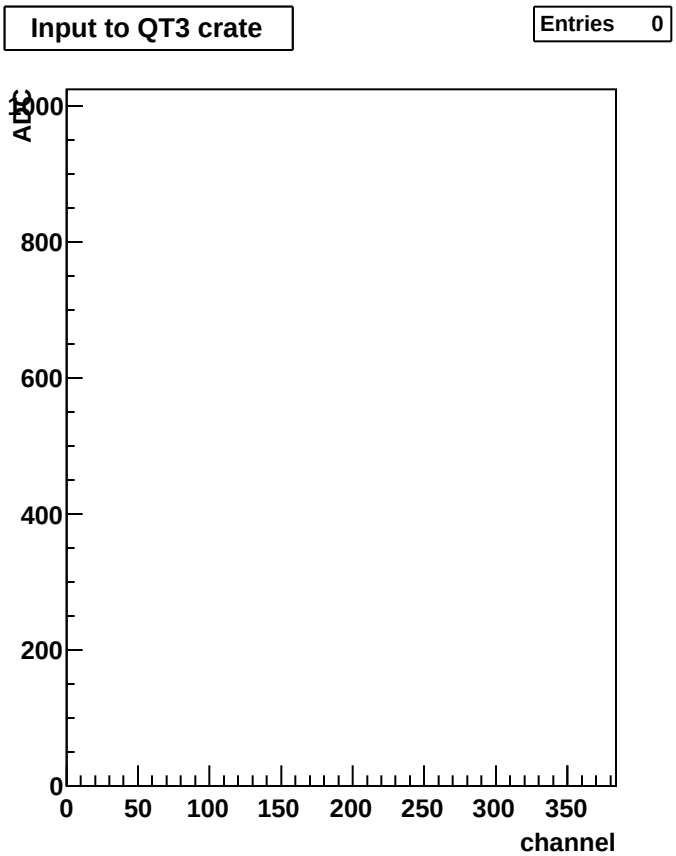

Entries 292610
BBC-S-East ADC Sum
BBC-S-West ADC Sum

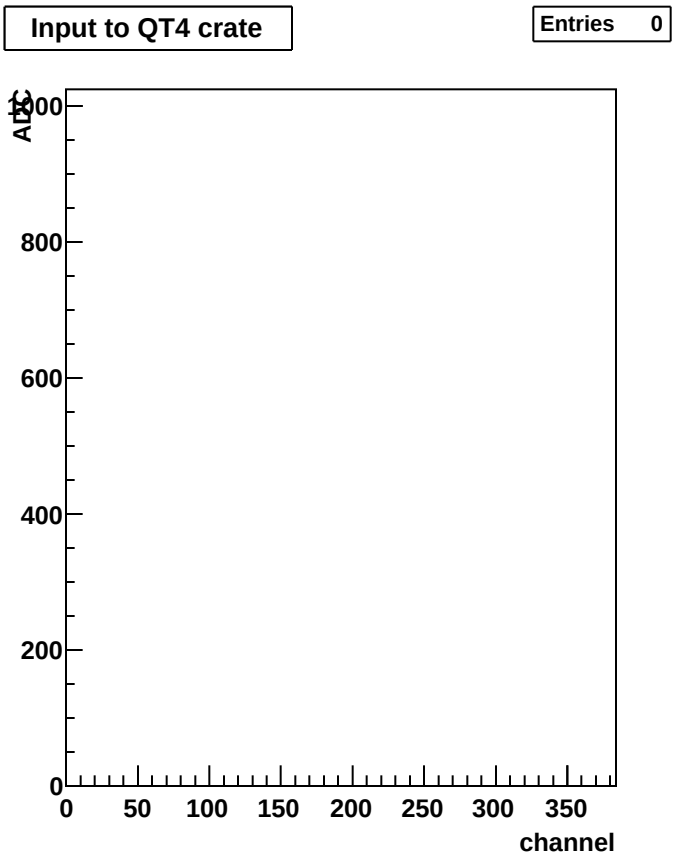

Entries 292610
ZDC East ADC Sum Att
ZDC West ADC Sum Att

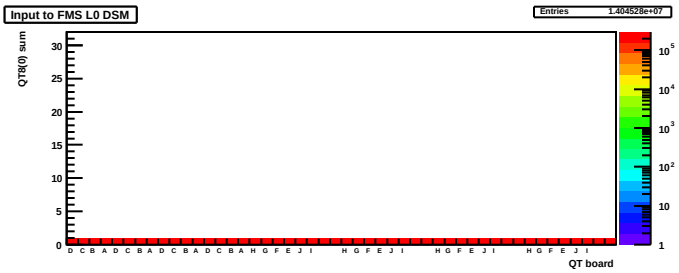

Entries 292610
BBC-L TAC Diff
BCC-S TAC Diff
Entries 292610
BBC-L TAC Diff
VPD TAC Diff
Entries 292610
BBC-L TAC Diff
ZDC TAC Diff
Entries 292610
BBC-S TAC Diff
VPD TAC Diff
Entries 292610
BBC-S TAC Diff
ZDC TAC Diff
Entries 292610
VPD TAC Diff
ZDC TAC Diff

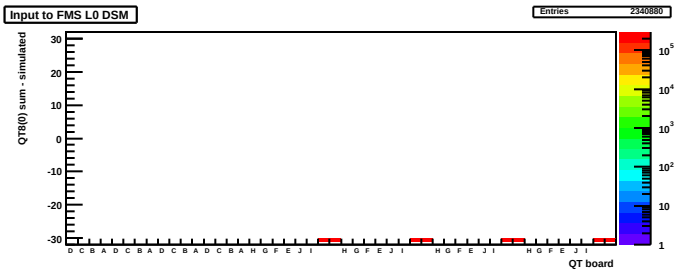

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

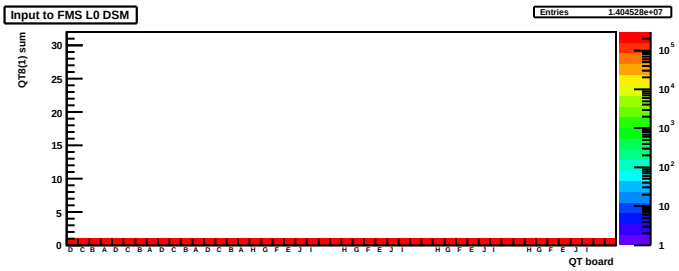

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

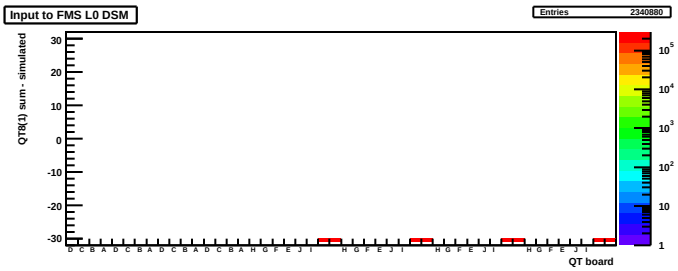

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

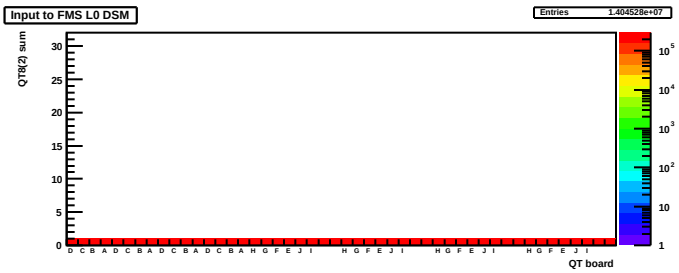

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

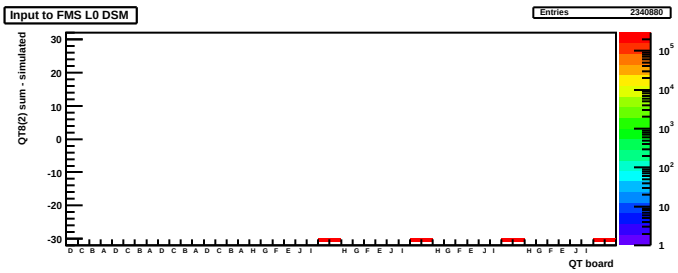

Input to FMS L0 DSM
Entries 1.404528e+07
QT8(0) sum
QT board

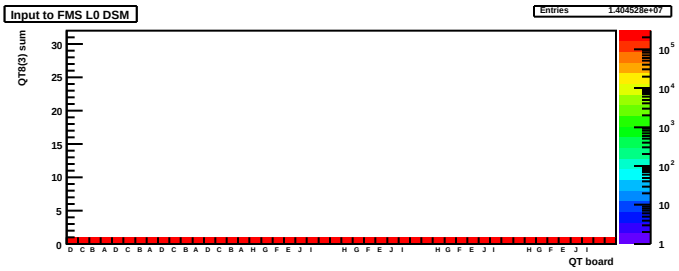

Input to FMS L0 DSM
Entries 2340880
QT8(0) sum - simulated
QT board

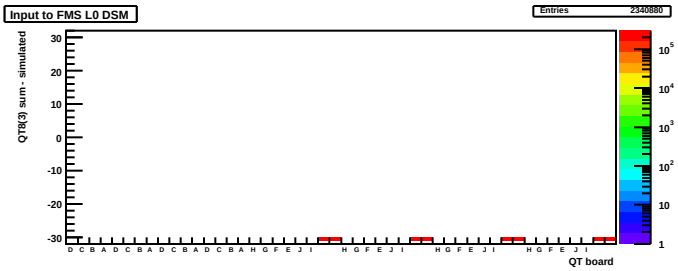

Input to FMS L0 DSM
Entries 1.404528e+07
QT8(1) sum
QT board

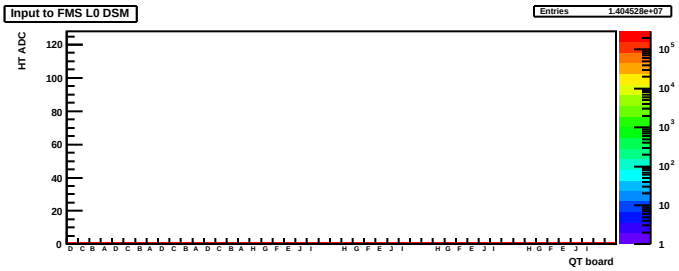

Input to FMS L0 DSM
Entries 2340880
QT8(1) sum - simulated
QT board

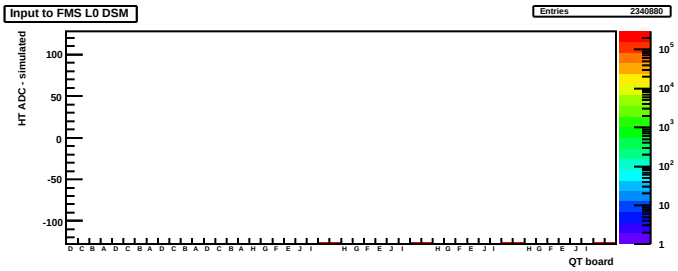

Input to FMS L0 DSM
Entries 1.404528e+07
QT8(2) sum
QT board

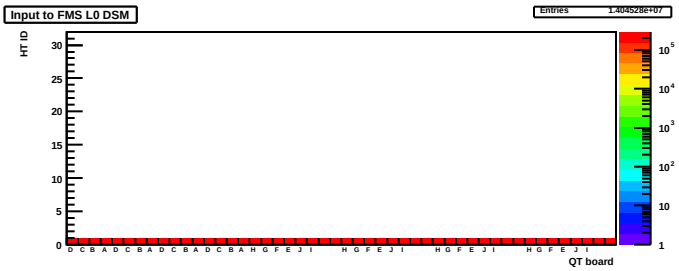

Input to FMS L0 DSM
Entries 2340880
QT8(2) sum - simulated
QT board

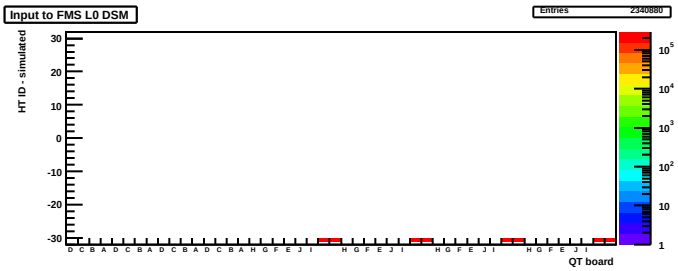

Input to FMS L0 DSM
Entries 1.404528e+07
QT8(3) sum
QT board

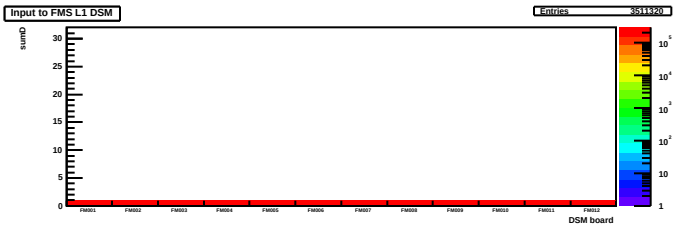

Input to FMS L0 DSM
Entries 2340880
QT8(3) sum - simulated
QT board

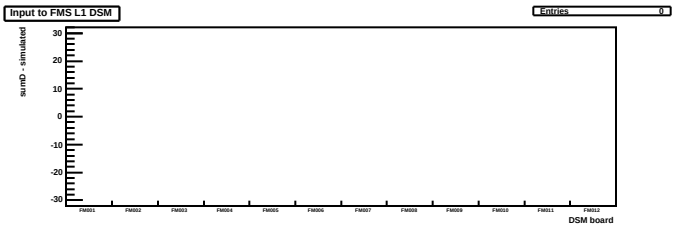

Input to FMS L0 DSM
Entries 1.404528e+07
HT ADC
QT board

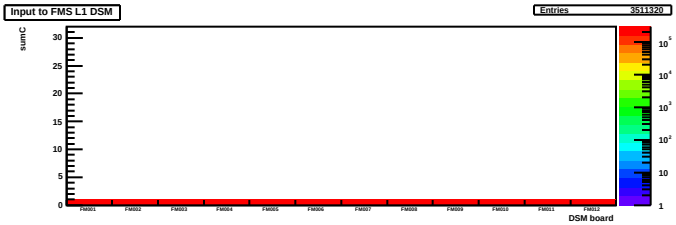

Input to FMS L0 DSM
Entries 2340880
HT ADC - simulated
QT board

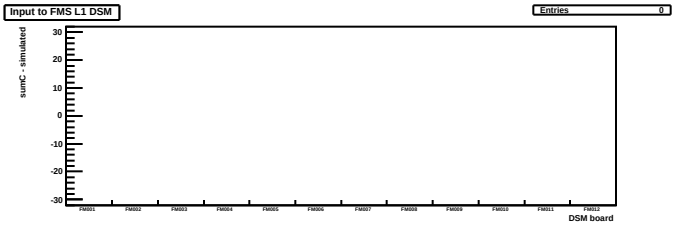

Input to FMS L0 DSM
Entries 1.404528e+07
HT ID
QT board

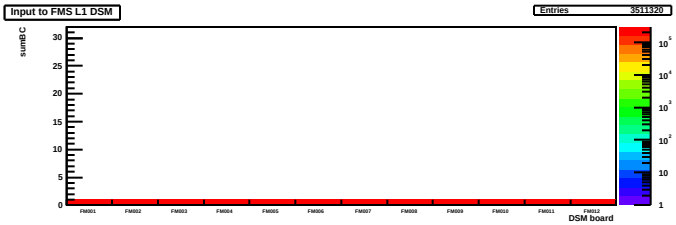

Input to FMS L0 DSM
Entries 2340880
HT ID - simulated
QT board

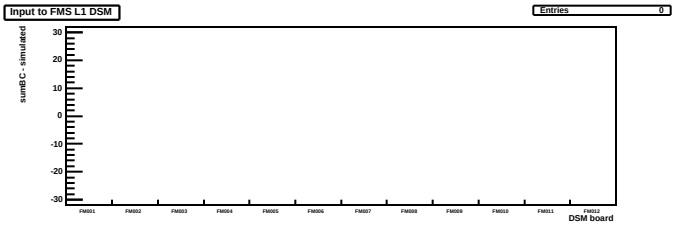

Input to FMS L1 DSM
Entries 3511320
sumD
DSM board

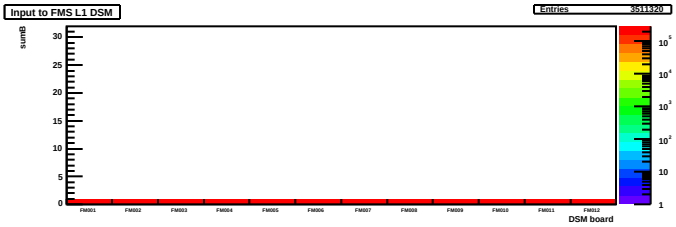

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

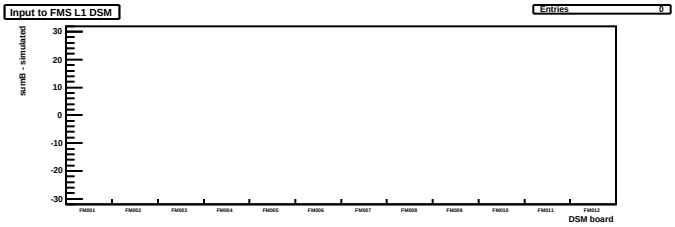

Input to FMS L1 DSM
Entries 3511320
sumC
DSM board

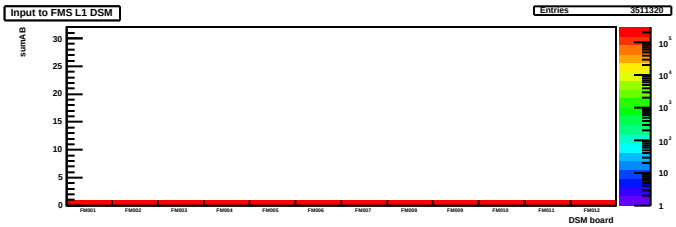

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

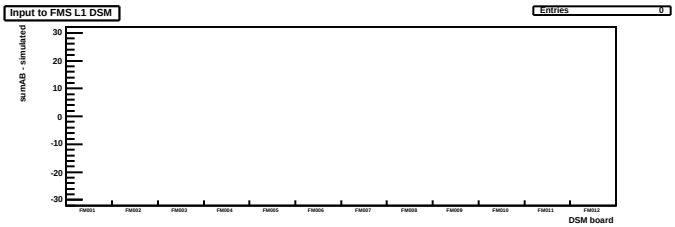

Input to FMS L1 DSM
Entries 3511320
sumBC
DSM board

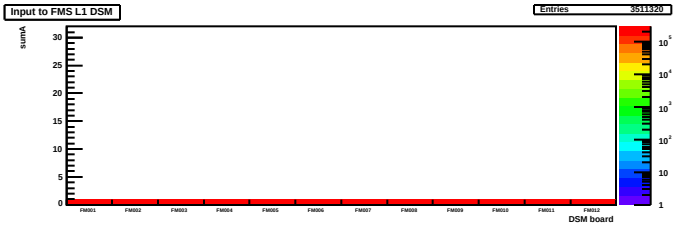

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

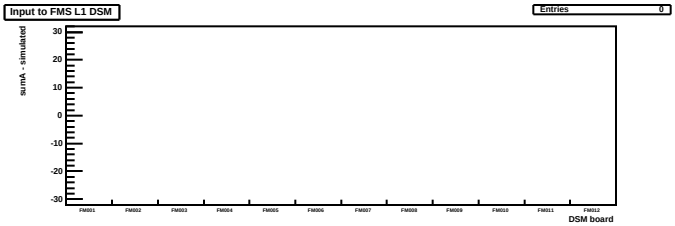

Input to FMS L1 DSM
Entries 3511320
sumB
DSM board

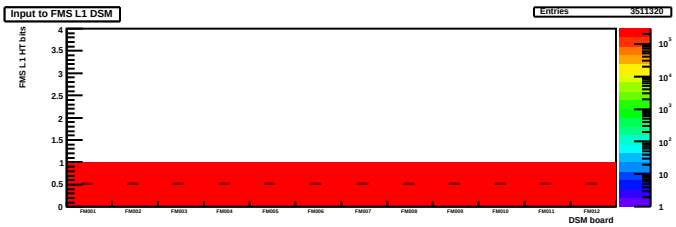

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

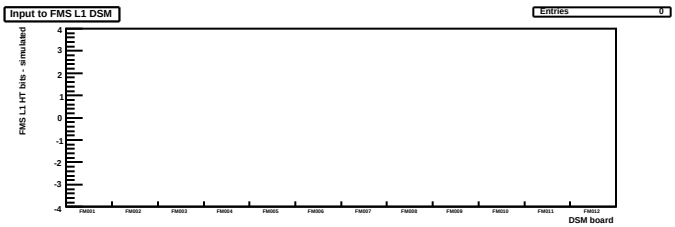

Input to FMS L1 DSM
Entries 3511320
sumAB
DSM board

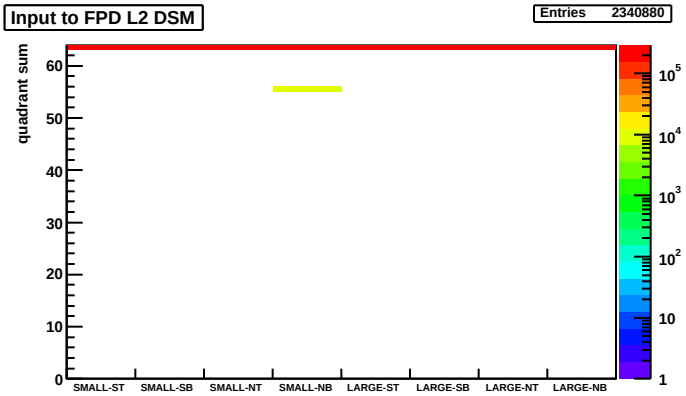

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

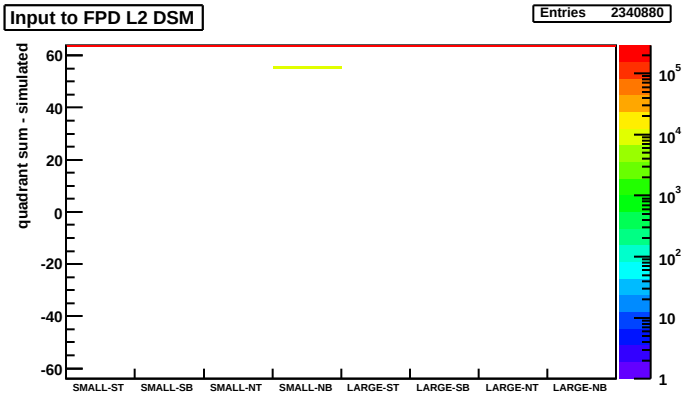

Input to FMS L1 DSM
Entries 3511320
sumA
DSM board

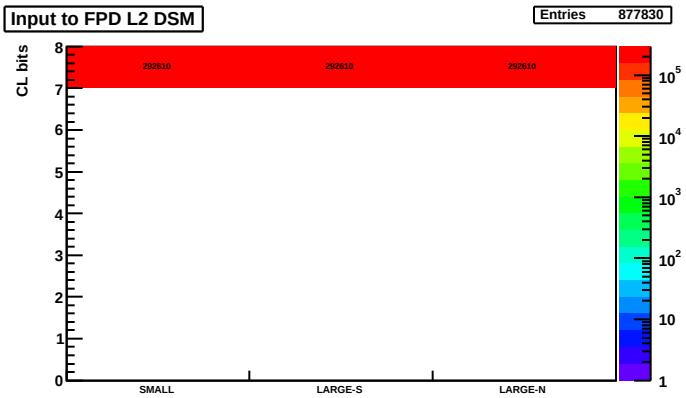

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

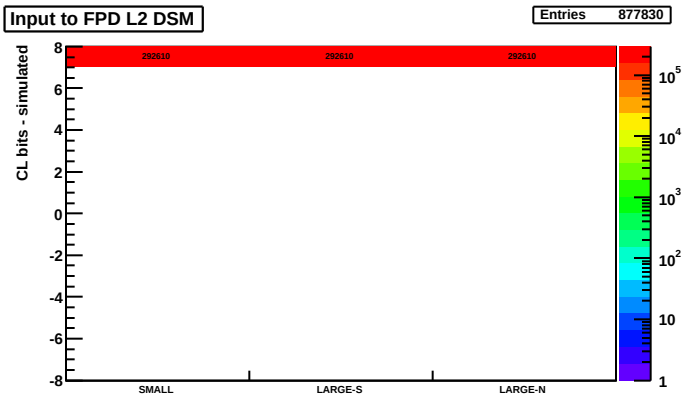

Input to FMS L1 DSM
Entries 3511320
FMS L1 HT bits
DSM board

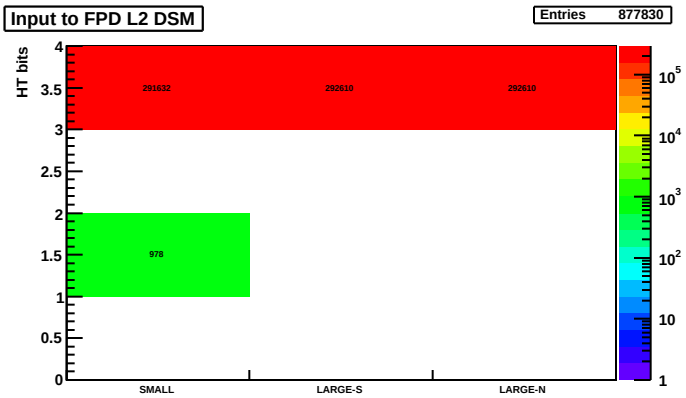

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

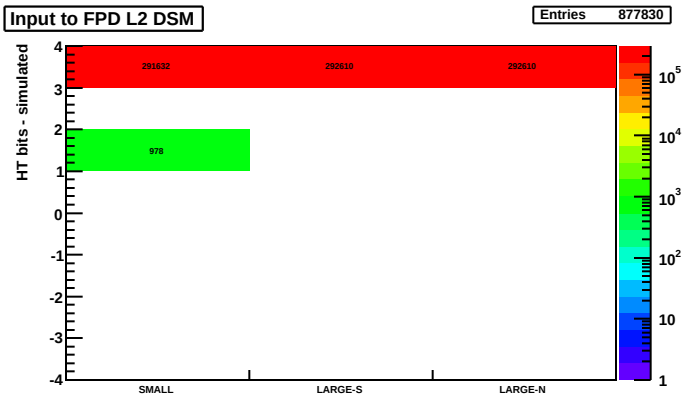

Input to FPD L2 DSM
Entries 2340880
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

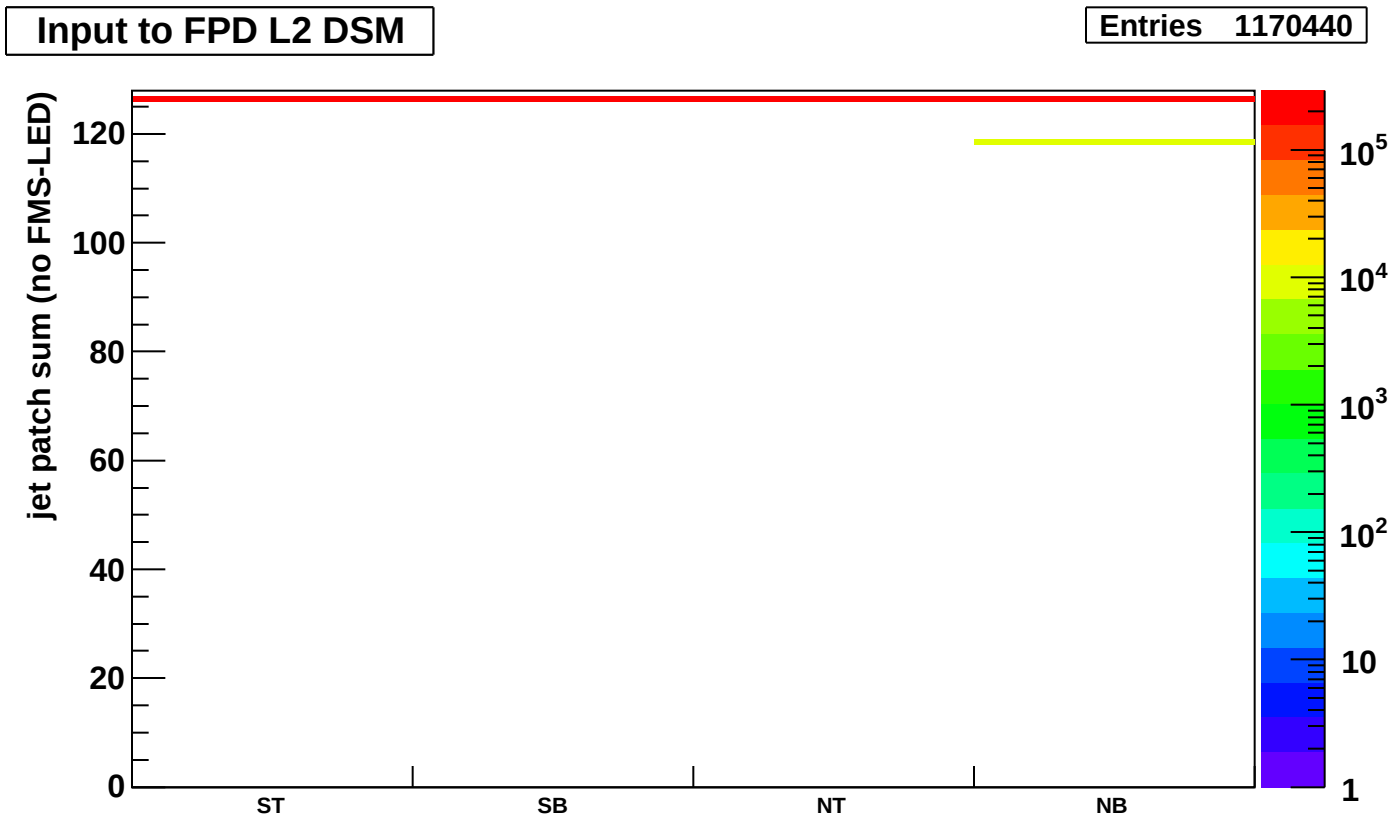

Input to FPD L2 DSM
Entries 2340880
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

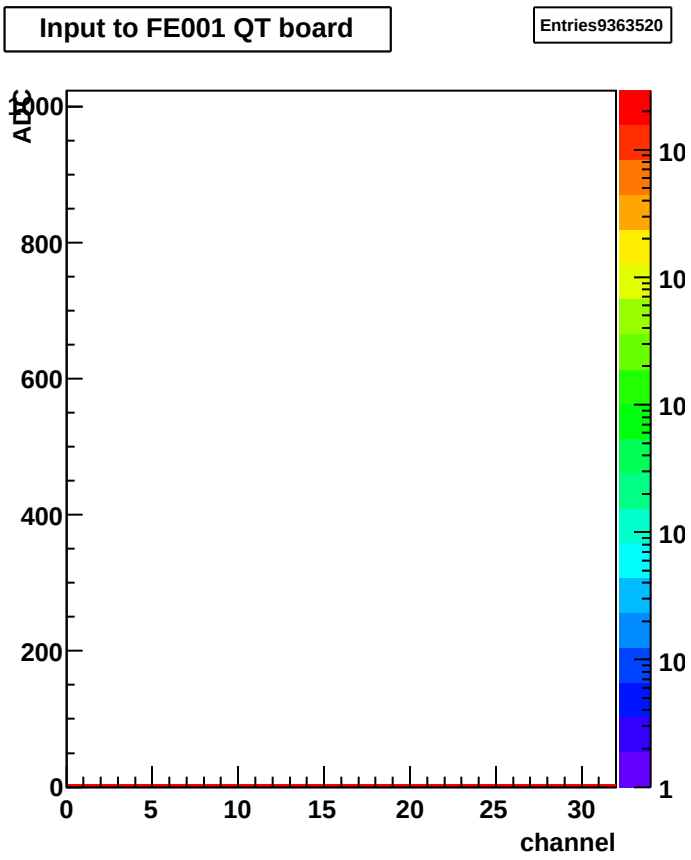

Input to FPD L2 DSM
Entries 877830
CL bits
292610
292610
292610
SMALL
LARGE-S
LARGE-N

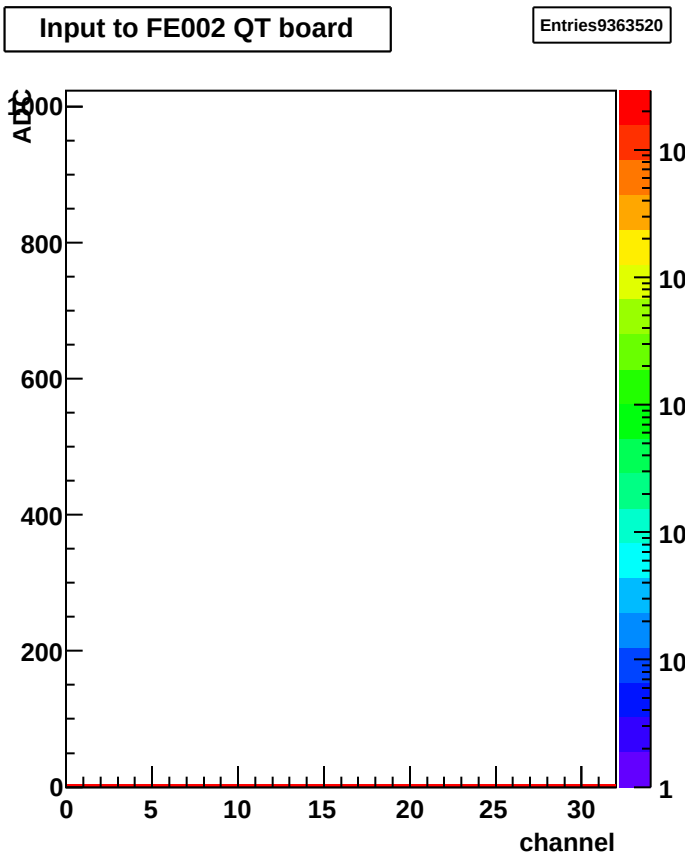

Input to FPD L2 DSM
Entries 877830
CL bits - simulated
292610
292610
292610
SMALL
LARGE-S
LARGE-N

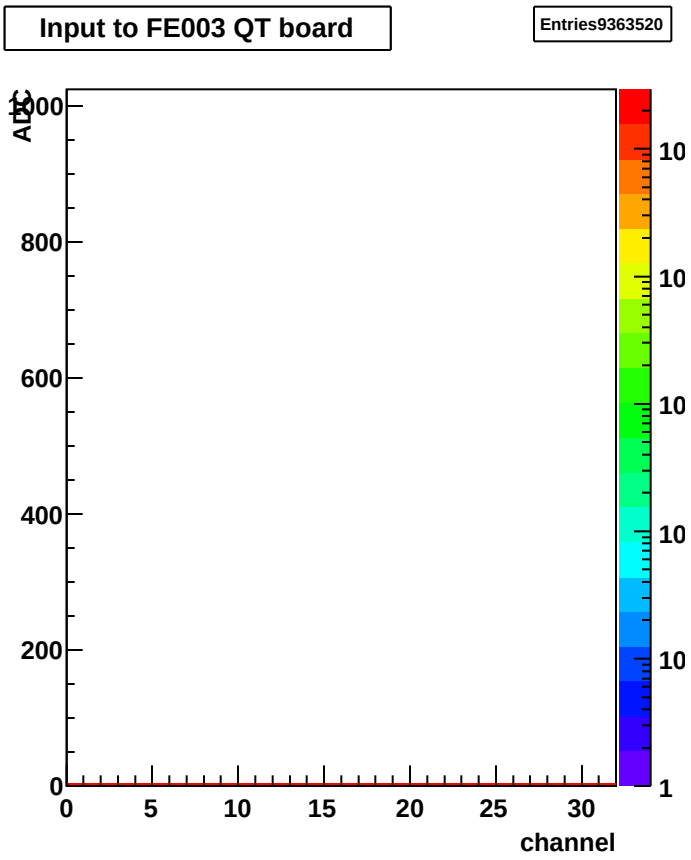

Input to FPD L2 DSM
Entries 877830
HT bits
291632
292610
292610
978
SMALL
LARGE-S
LARGE-N

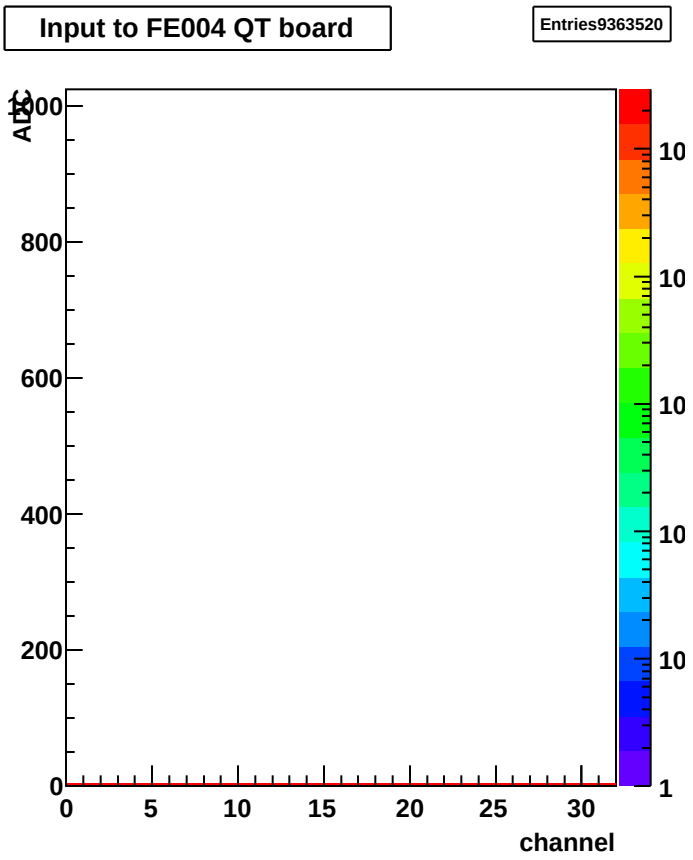

Input to FPD L2 DSM
Entries 877830
HT bits - simulated
291632
292610
292610
978
SMALL
LARGE-S
LARGE-N


Input to FPD L2 DSM
Entries 1170440
jet patch sum (no FMS-LED)
120
100
80
60
40
20
0
ST
SB
NT
NB
10^5
10^4
10^3
10^2
10
1

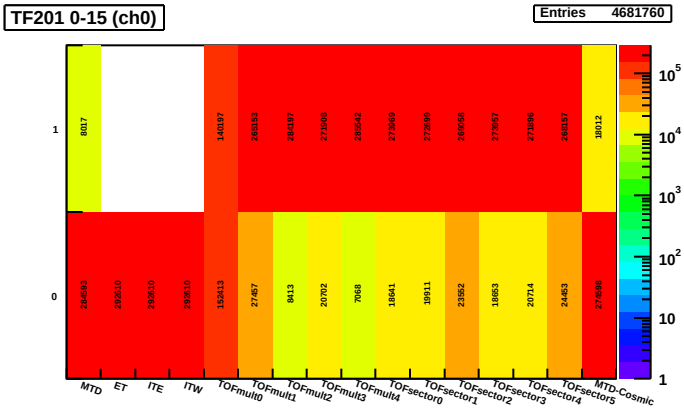

Input to FE001 QT board
Entries9363520
ADC
channel


Input to FE002 QT board
Entries9363520
ADC
channel

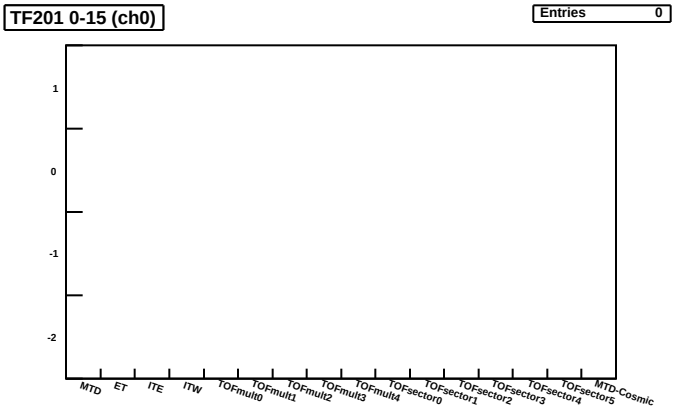

Input to FE003 QT board
Entries9363520
ADC
channel


Input to FE004 QT board
Entries9363520
ADC
channel

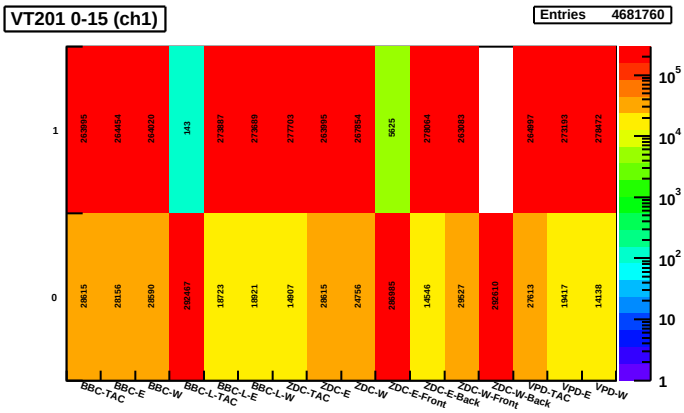
TF201 0-15 (ch0)



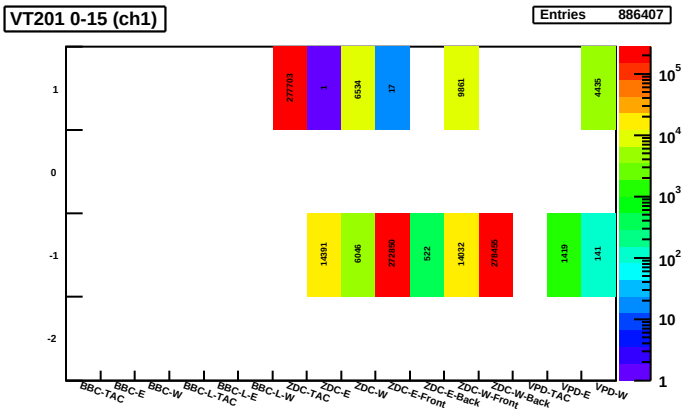
TF201 0-15 (ch0)



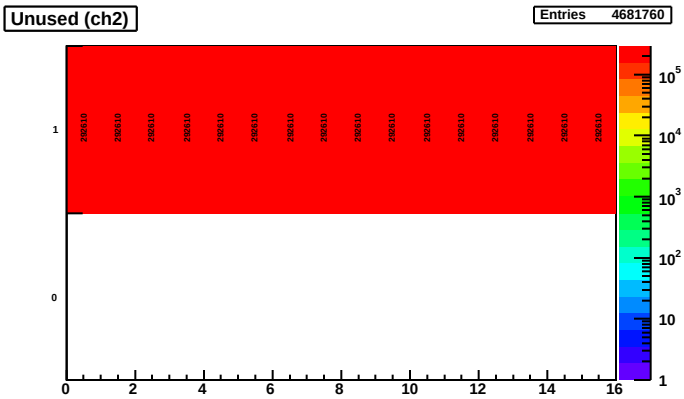
VT201 0-15 (ch1)

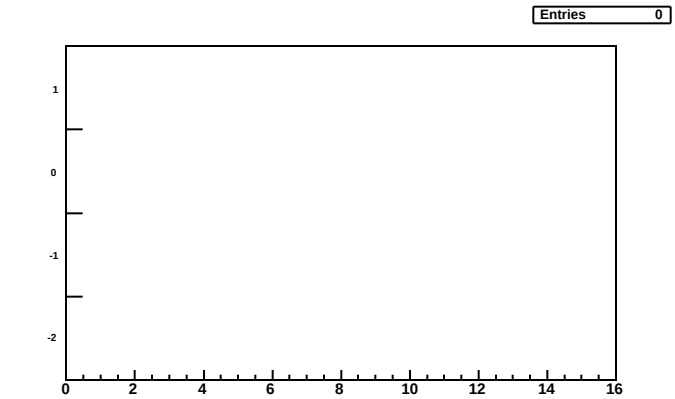


VT201 0-15 (ch1)

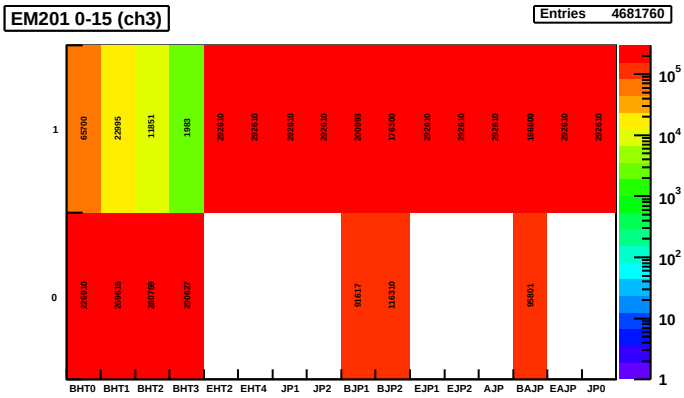


Unused (ch2)

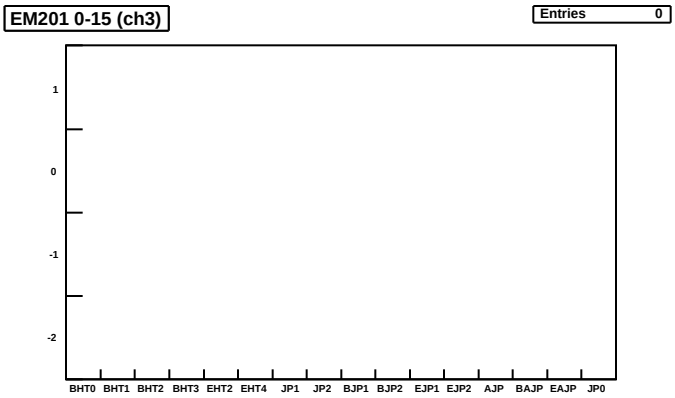




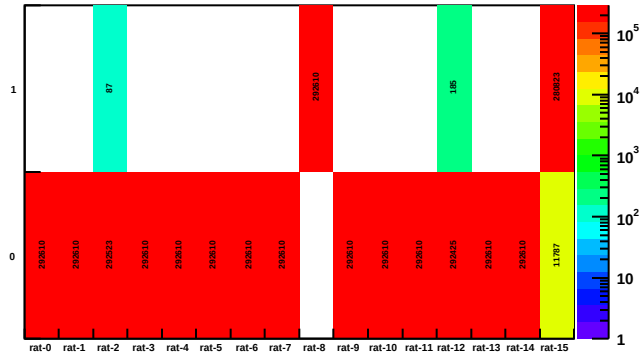
EM201 0-15 (ch3)

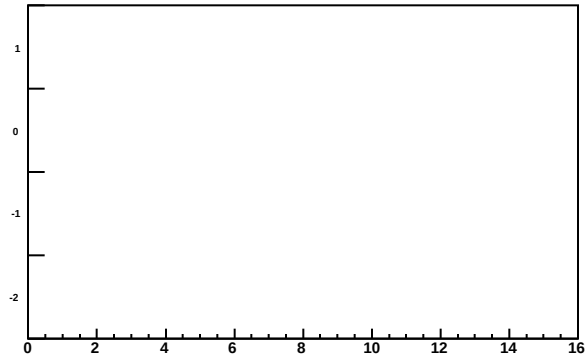


EM201 0-15 (ch3)

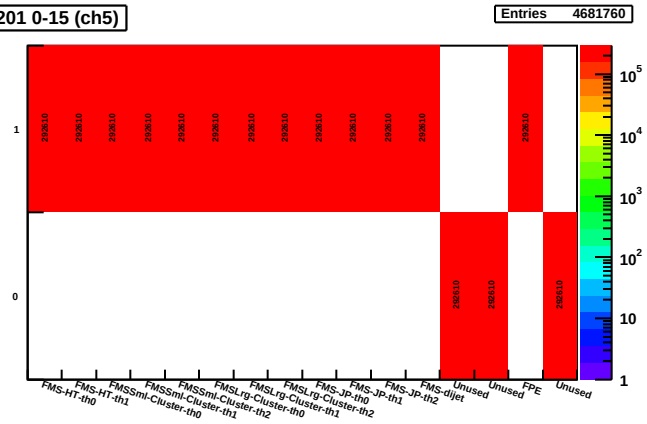


RAT board (ch4)

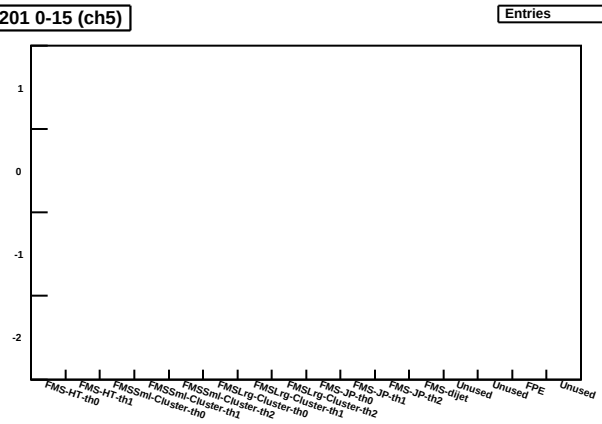




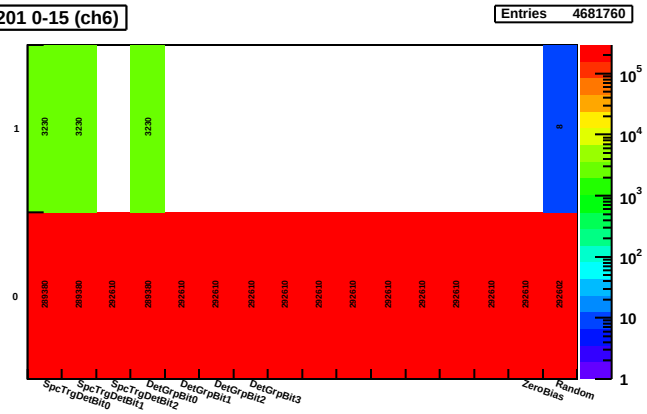
FP201 0-15 (ch5)

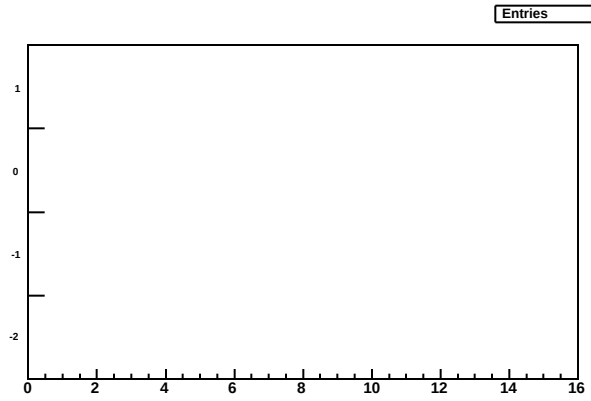
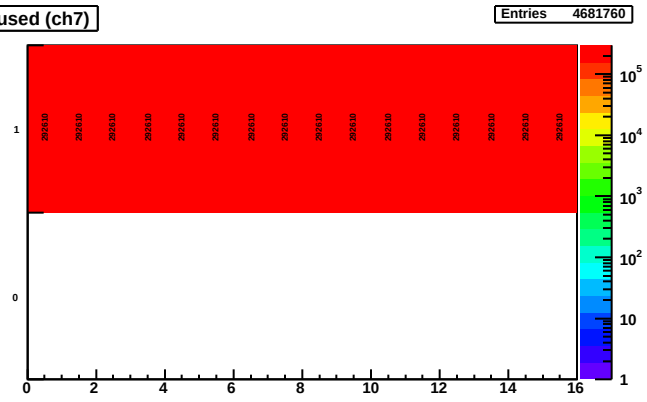
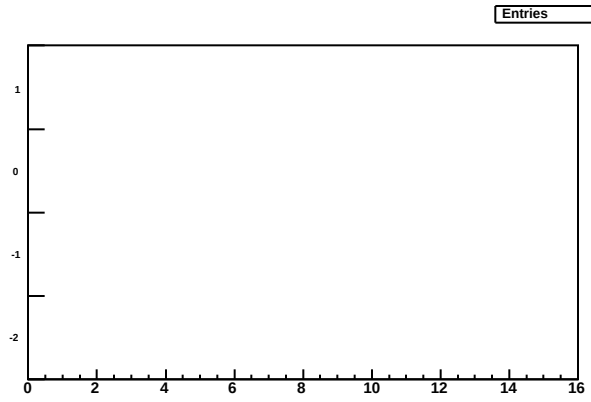


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)