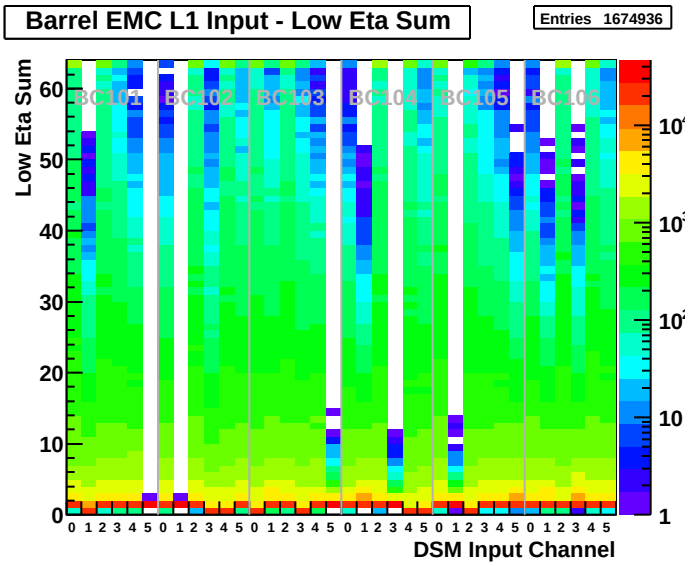
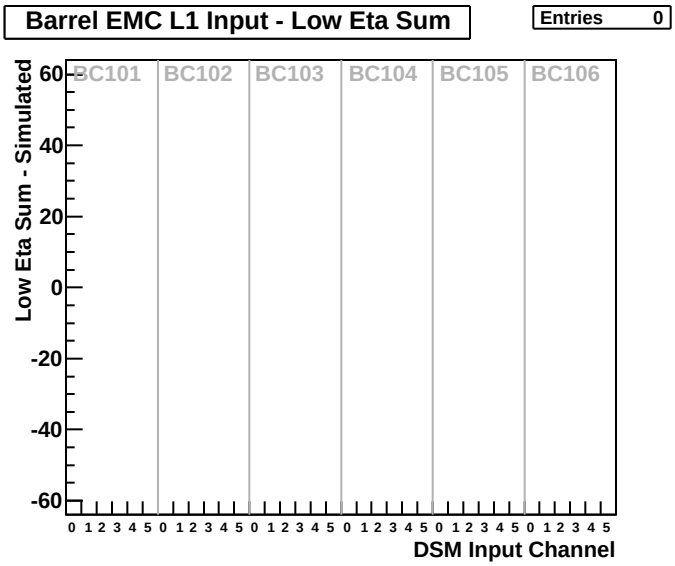
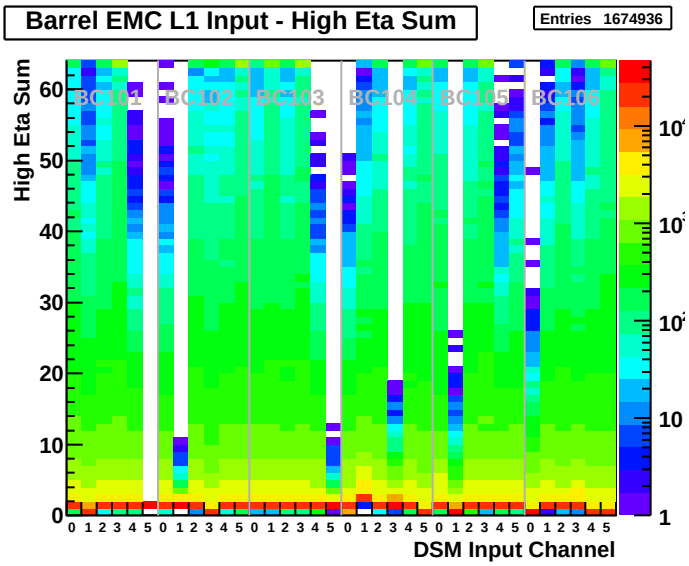
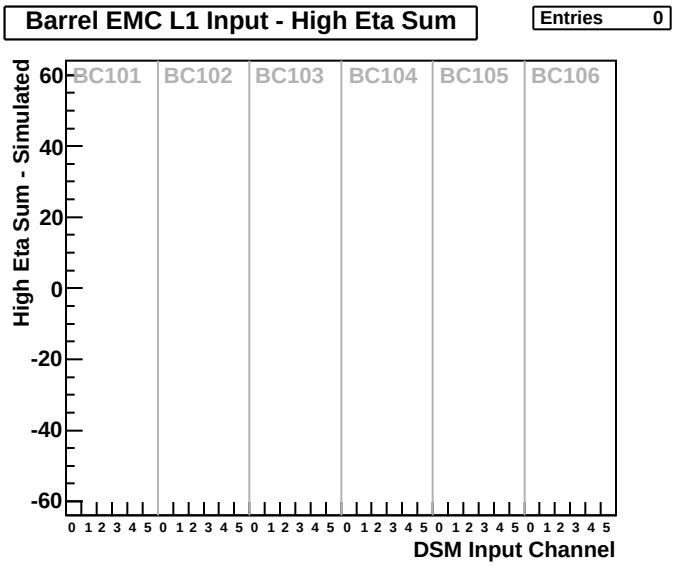
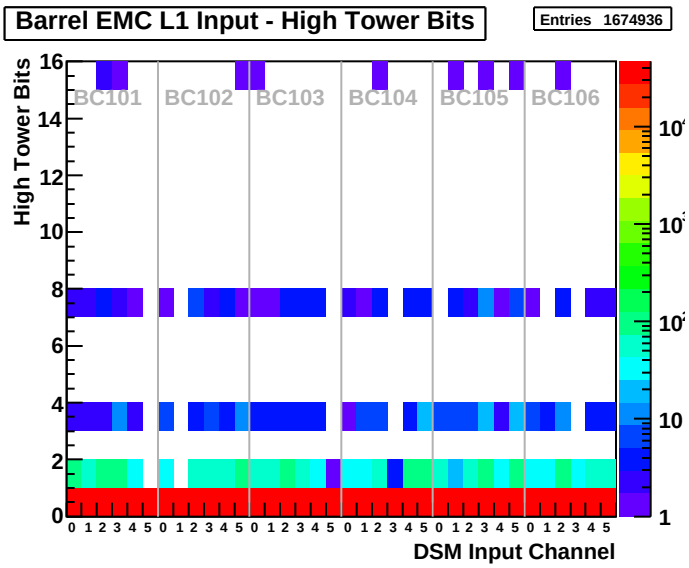
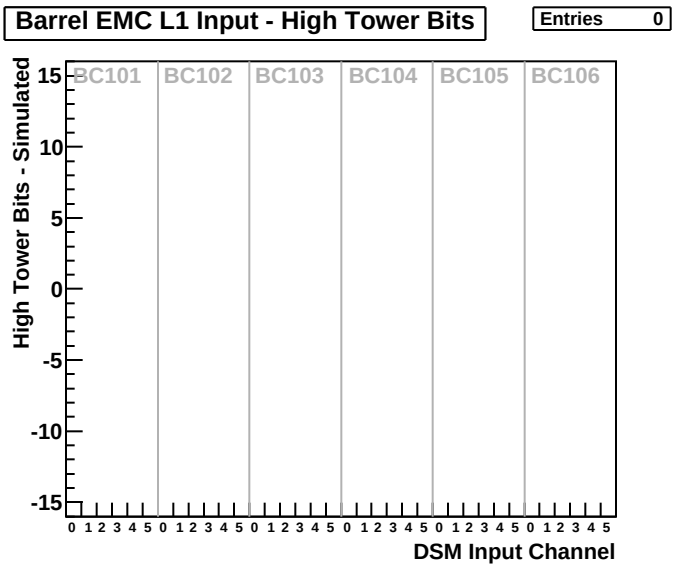

Barrel EMC L1 Input - Low Eta Sum
Entries 1674936
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

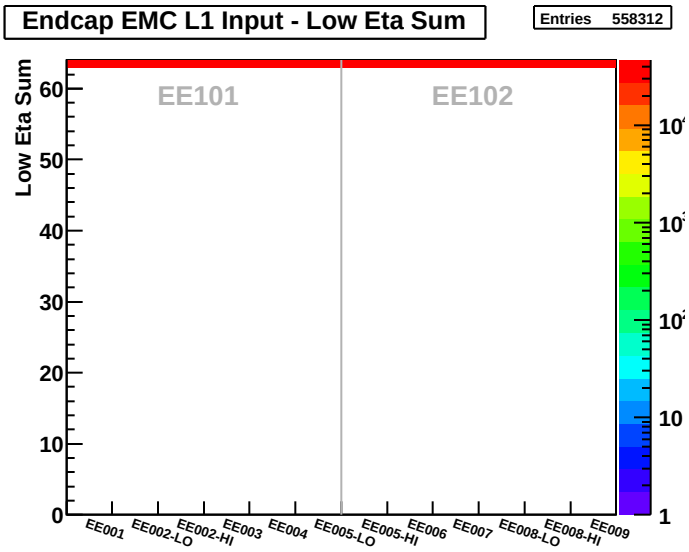

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

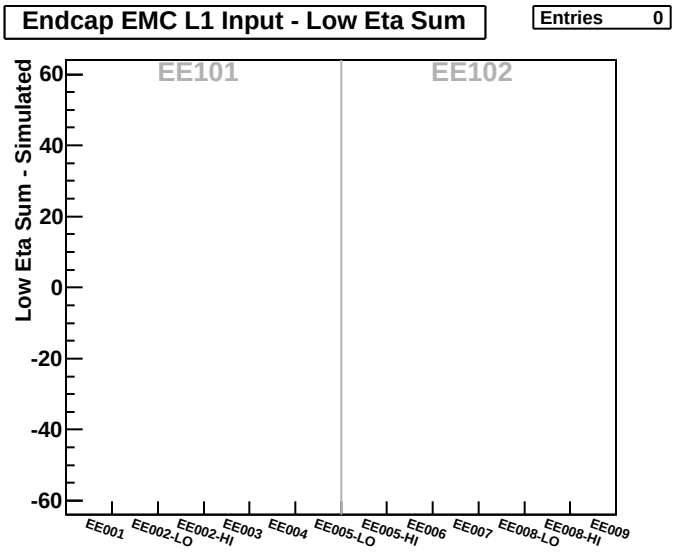

Barrel EMC L1 Input - High Eta Sum
Entries 1674936
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

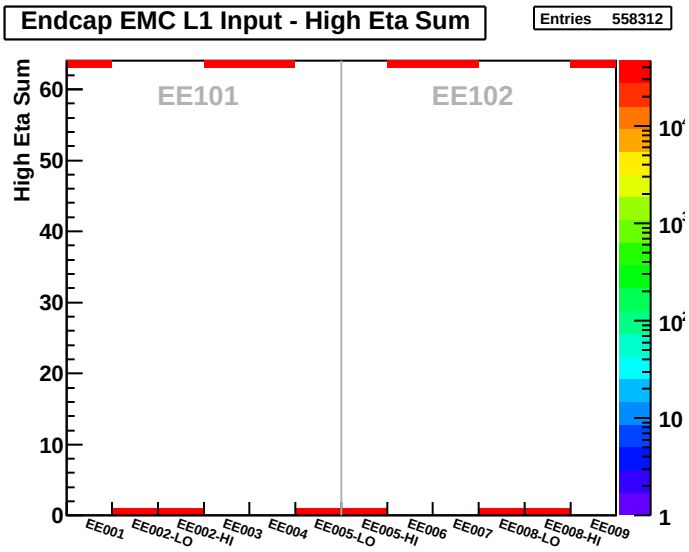

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

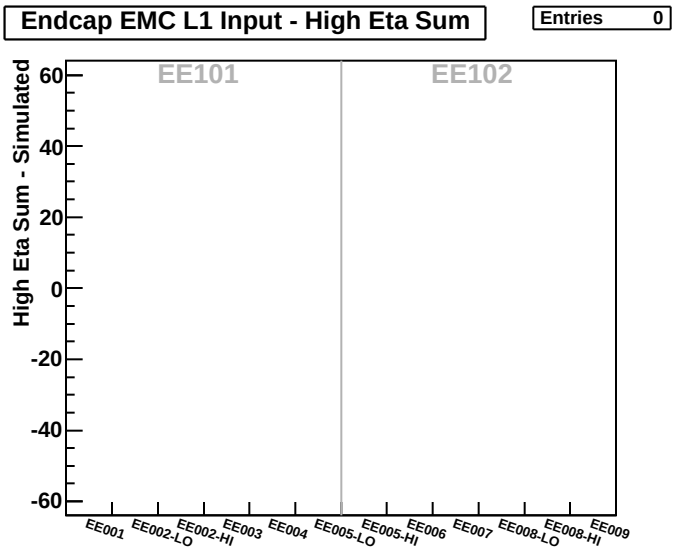

Barrel EMC L1 Input - High Tower Bits
Entries 1674936
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

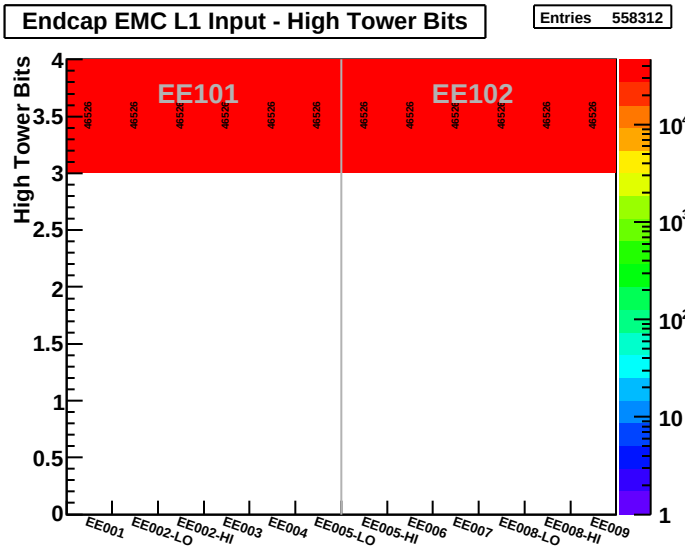

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

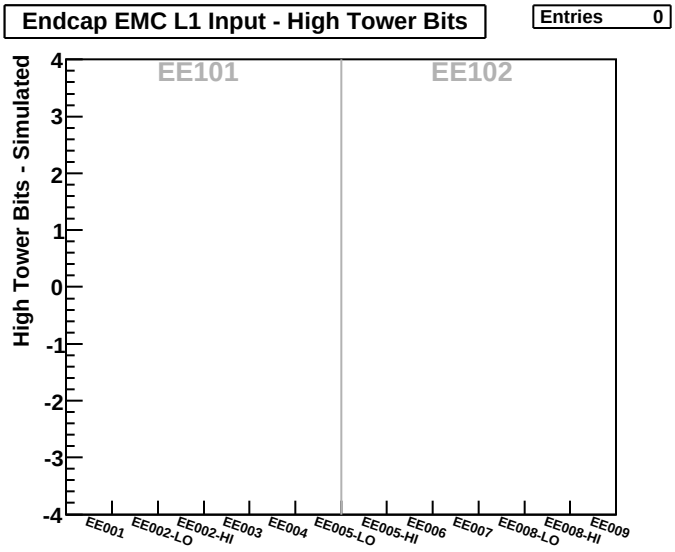

Endcap EMC L1 Input - Low Eta Sum
Entries 558312
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

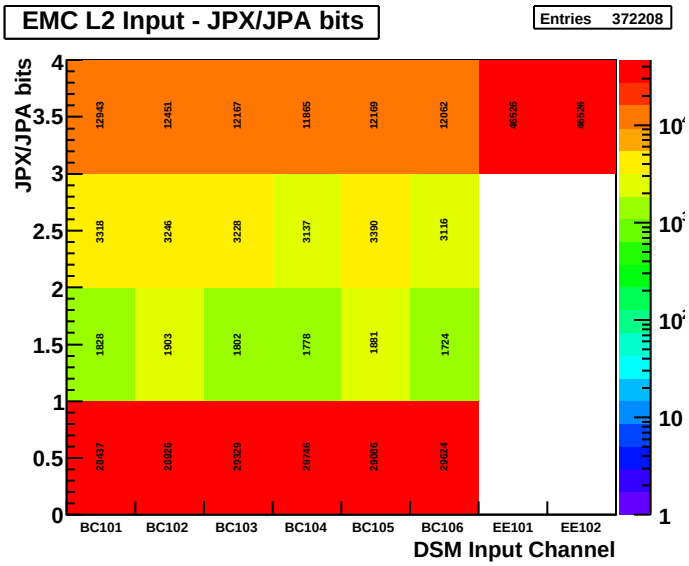

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

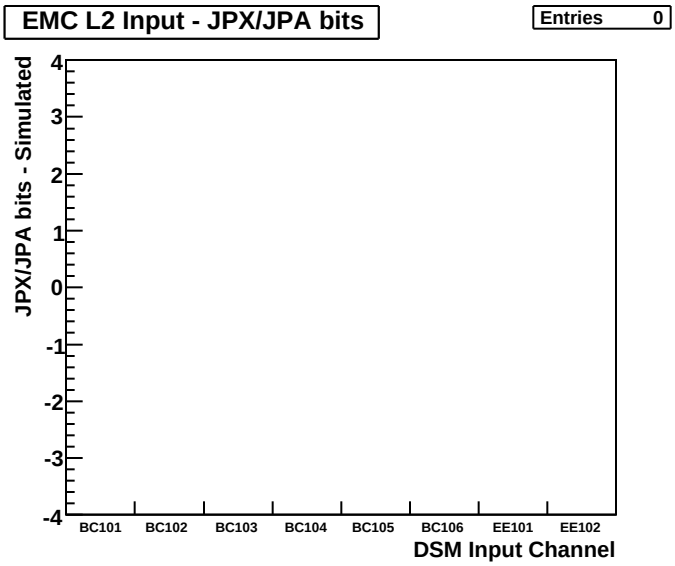

Endcap EMC L1 Input - High Eta Sum
Entries 558312
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

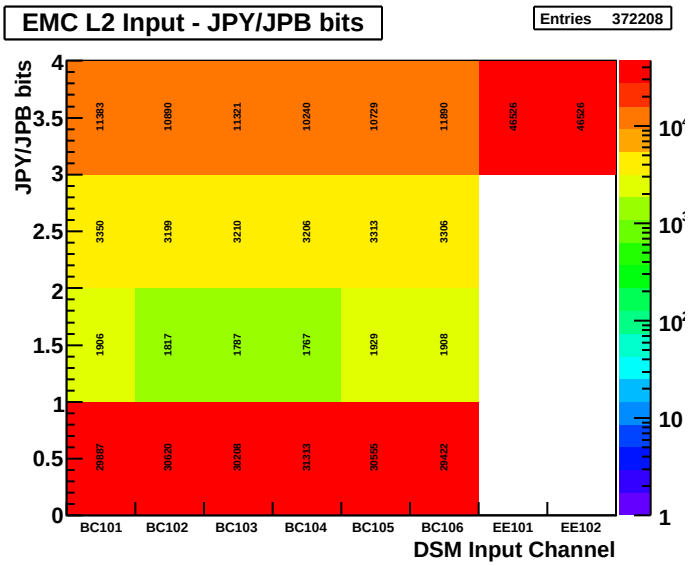

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

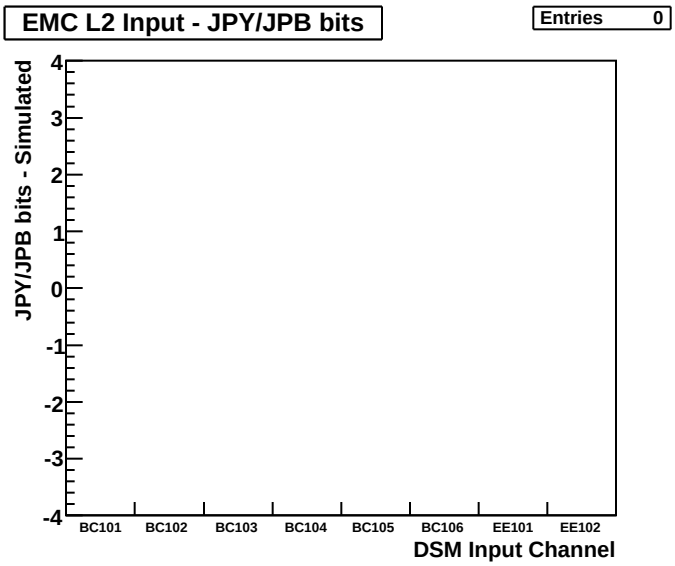

Endcap EMC L1 Input - High Tower Bits
Entries 558312
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

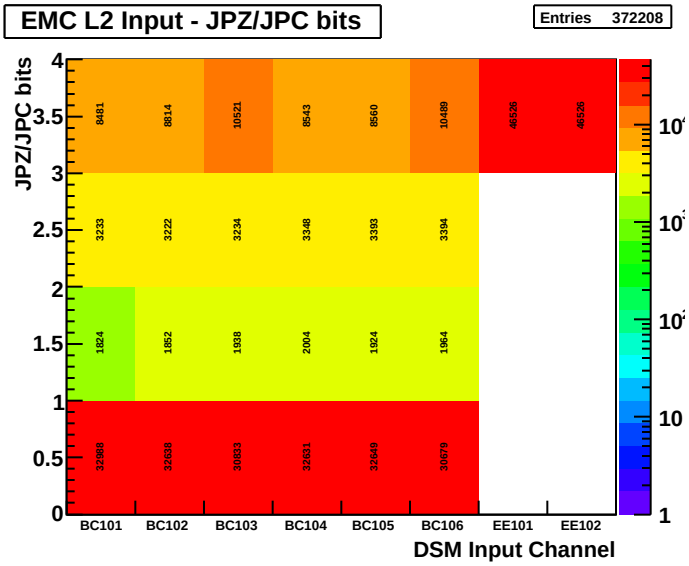

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

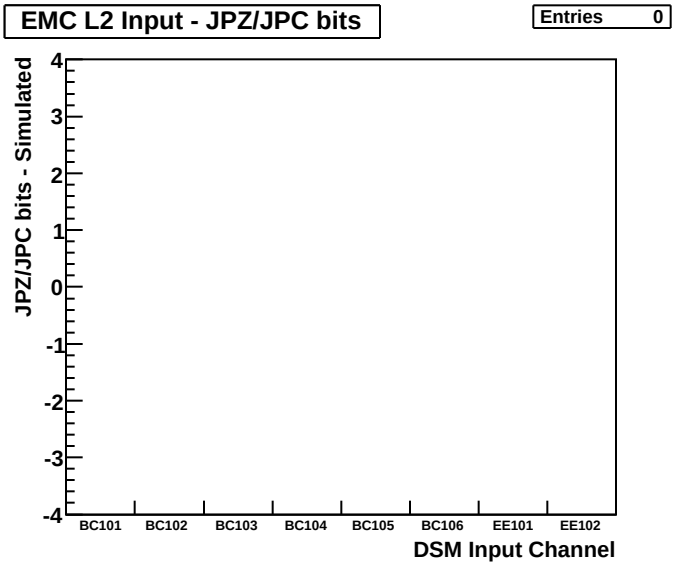

EMC L2 Input - JPX/JPA bits
Entries 372208
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
12943 12451 12167 11865 12169 12062 46526 46526
3318 3246 3228 3137 3390 3116
1828 1903 1802 1778 1881 1724
28437 28926 29329 29746 29086 29624

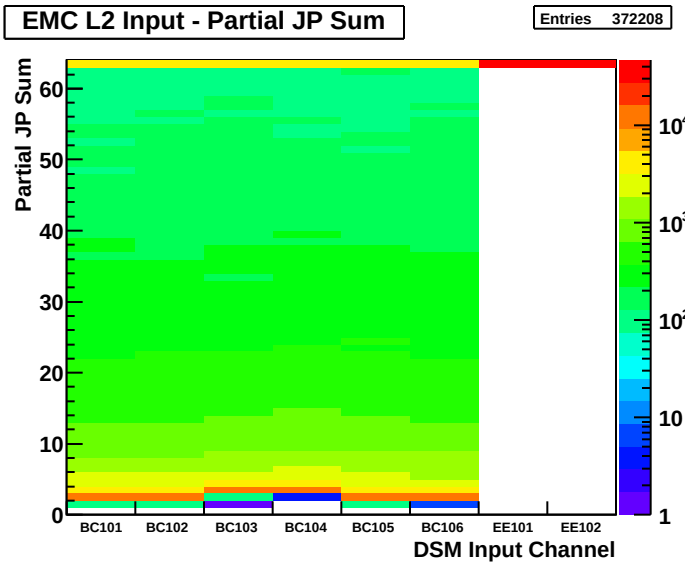

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

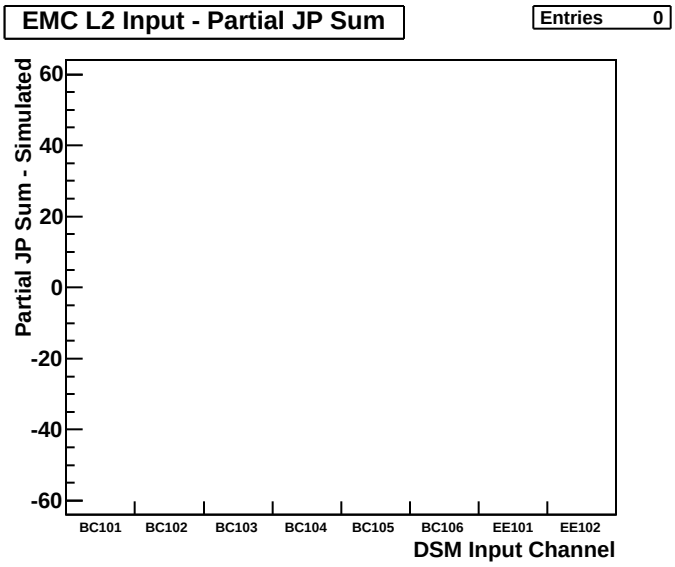

EMC L2 Input - JPY/JPB bits
Entries 372208
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
11383 10890 11321 10240 10729 11890 46526 46526
3350 3199 3210 3206 3313 3306
1906 1817 1787 1767 1929 1908
29887 30620 30208 31313 30595 29422

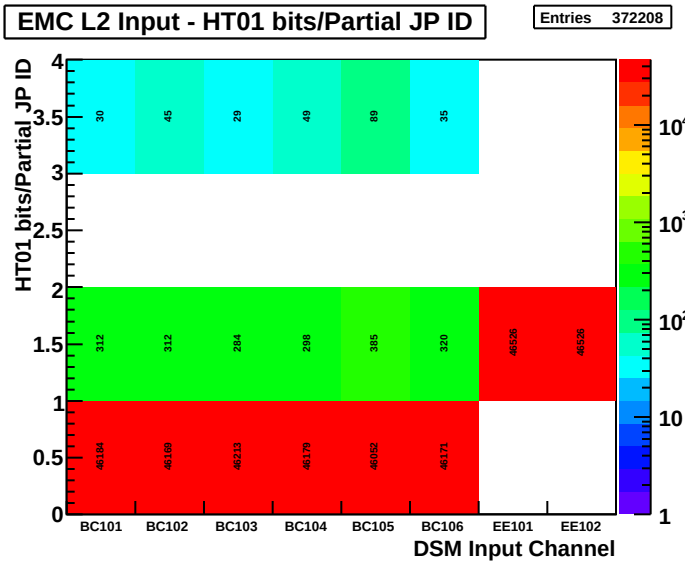

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

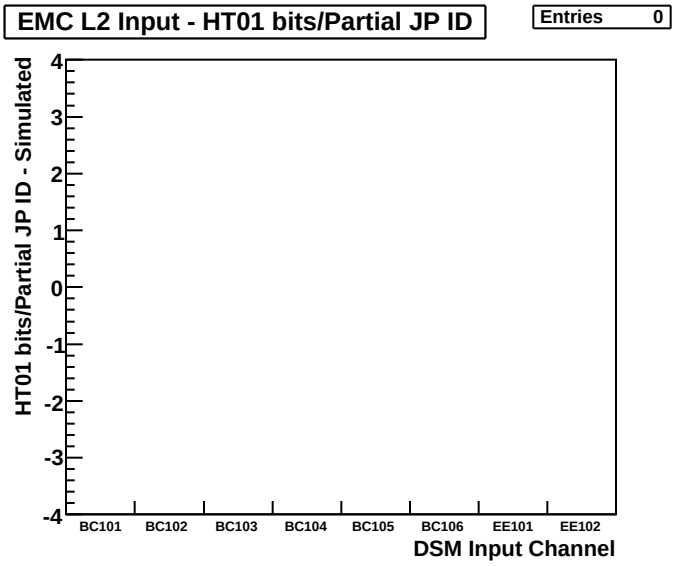

EMC L2 Input - JPZ/JPC bits
Entries 372208
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
8481 8814 10521 8543 8560 10489 46526 46526
3233 3222 3234 3348 3393 3394
1824 1852 1938 2004 1924 1964
32988 32638 30833 32631 32649 30679

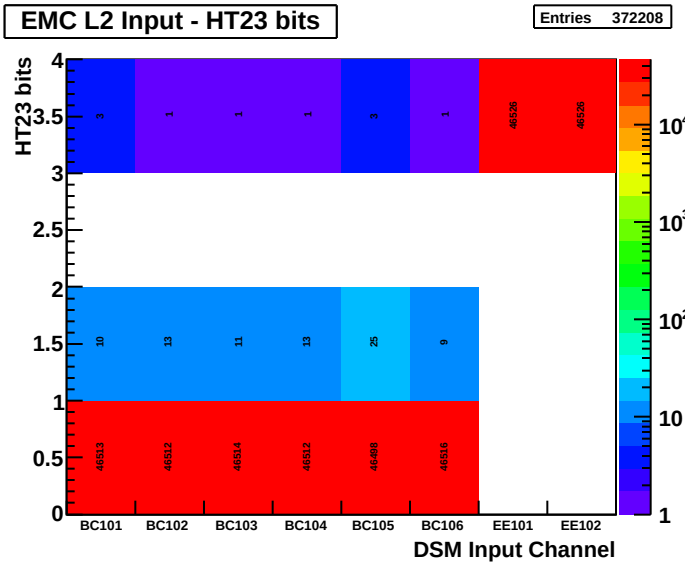

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

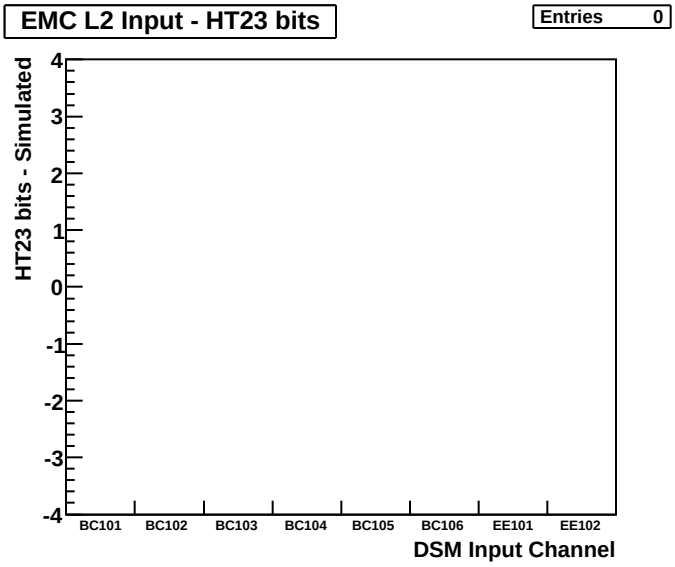

EMC L2 Input - Partial JP Sum
Entries 372208
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

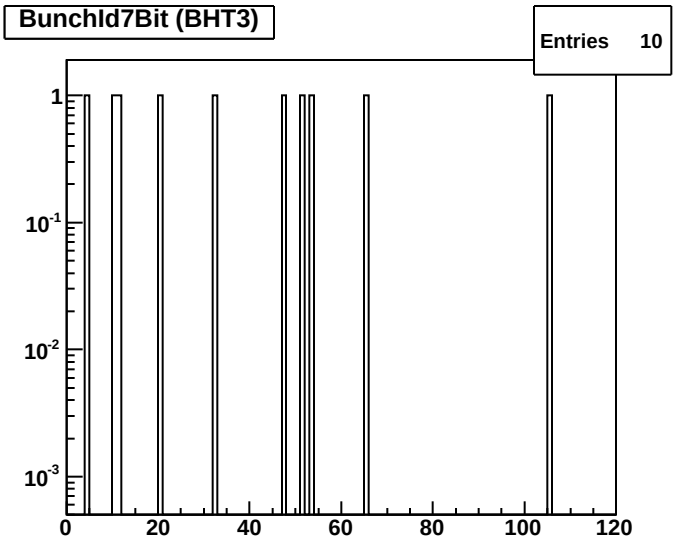

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

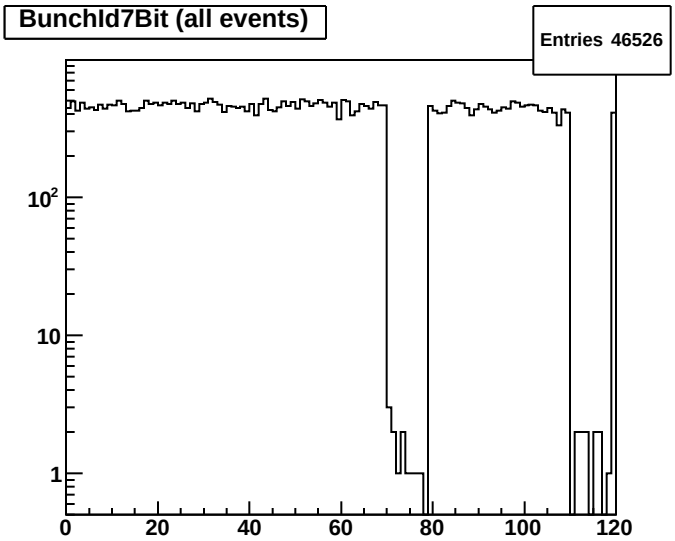

EMC L2 Input - HT01 bits/Partial JP ID
Entries 372208
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

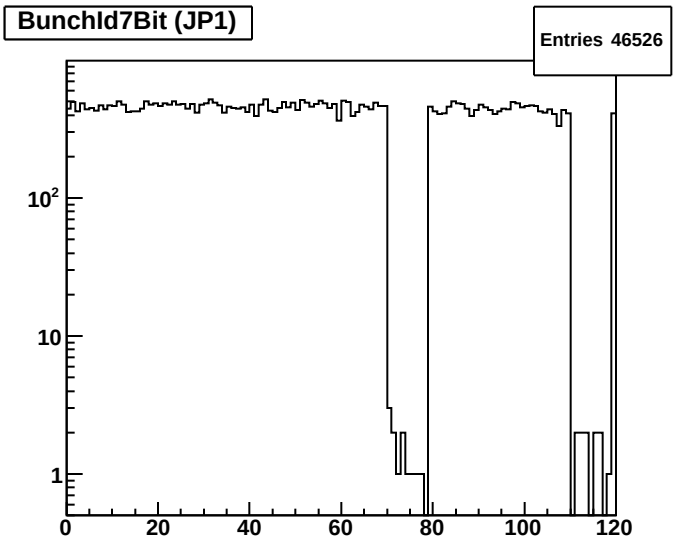

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

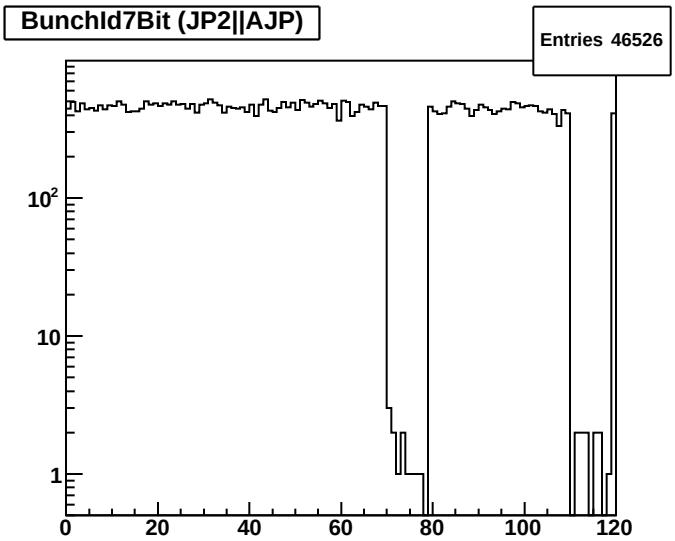

EMC L2 Input - HT23 bits
Entries 372208
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

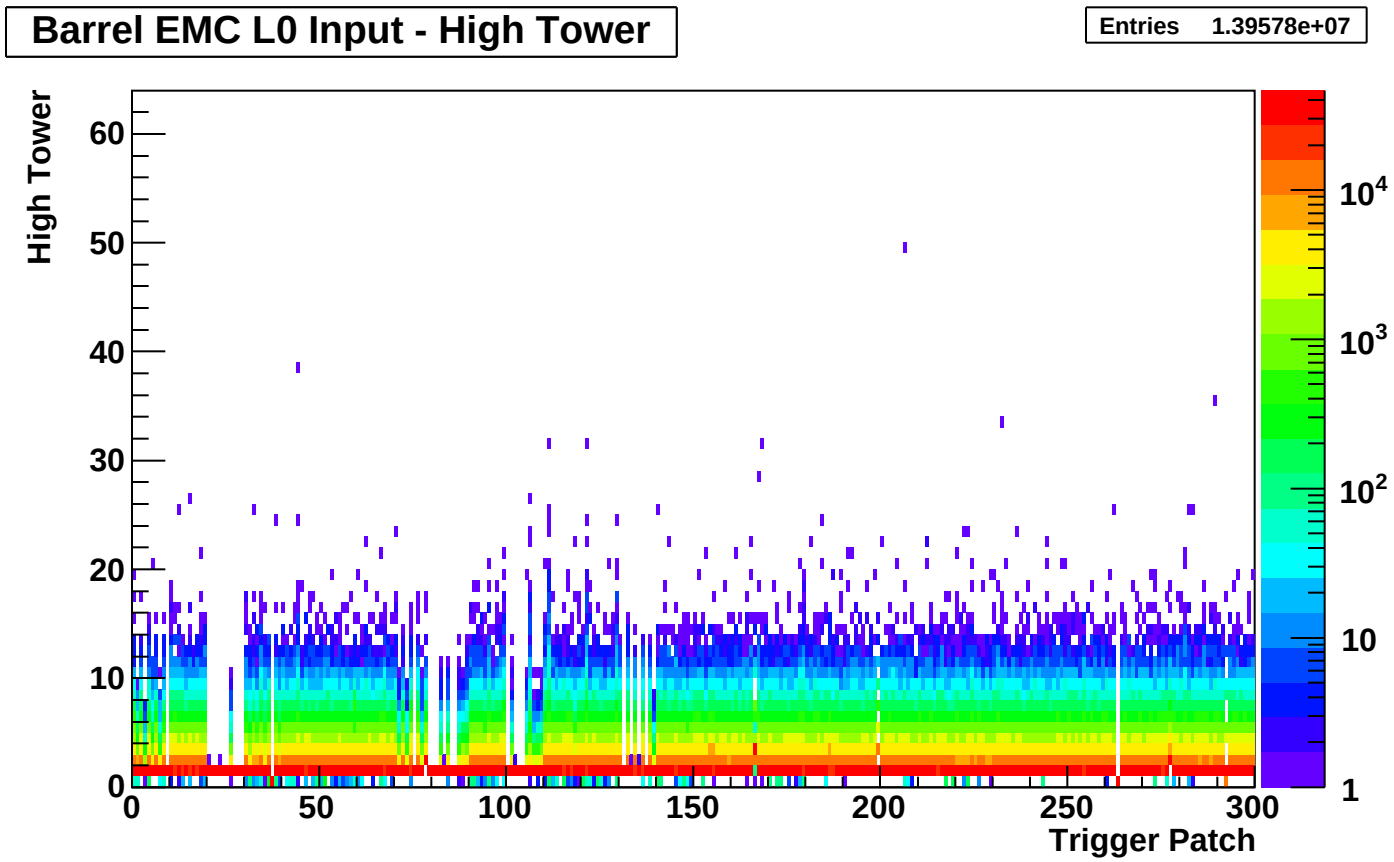

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

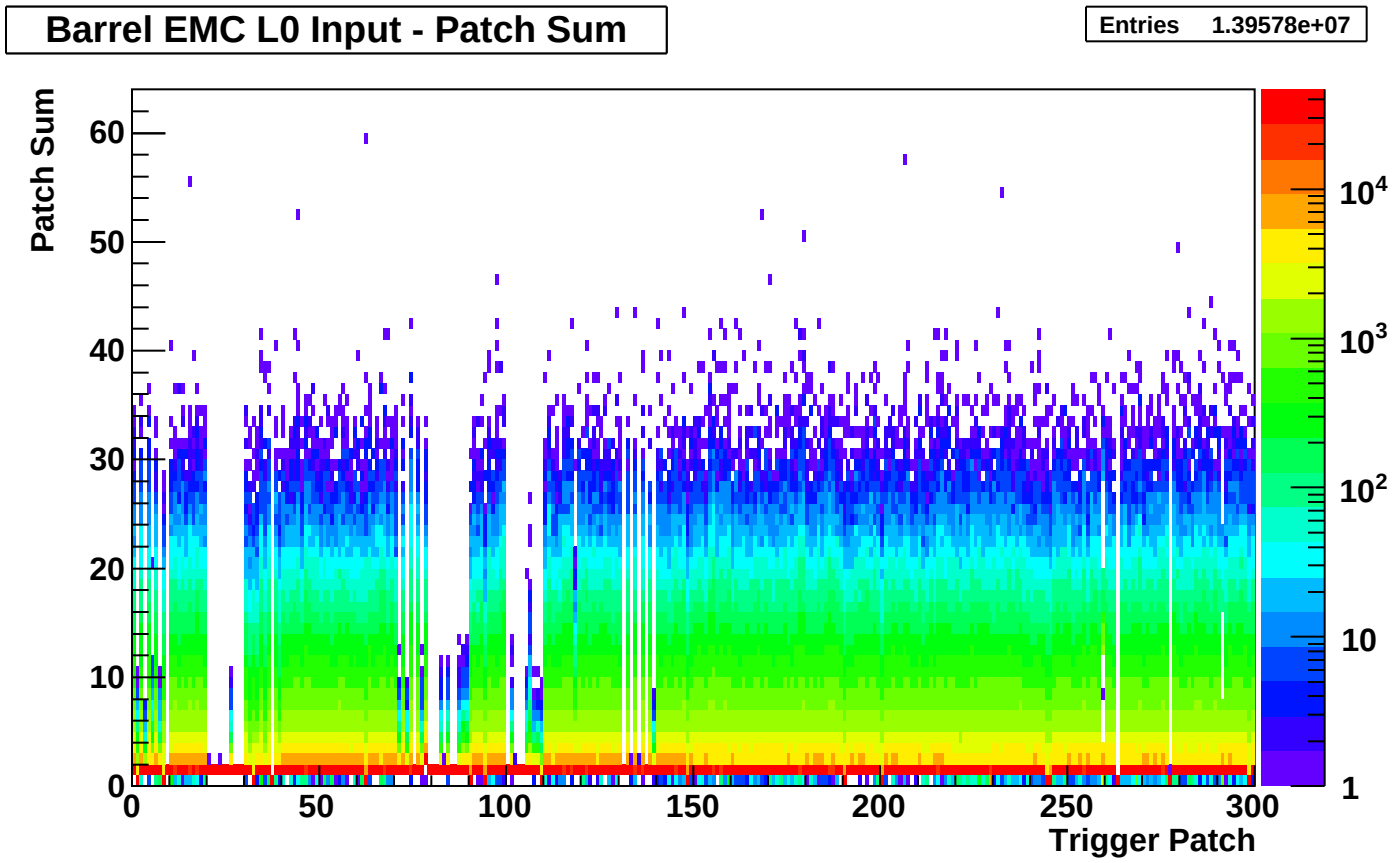

BunchId7Bit (BHT3)
Entries 10
1
10^-1
10^-2
10^-3
0
20
40
60
80
100
120

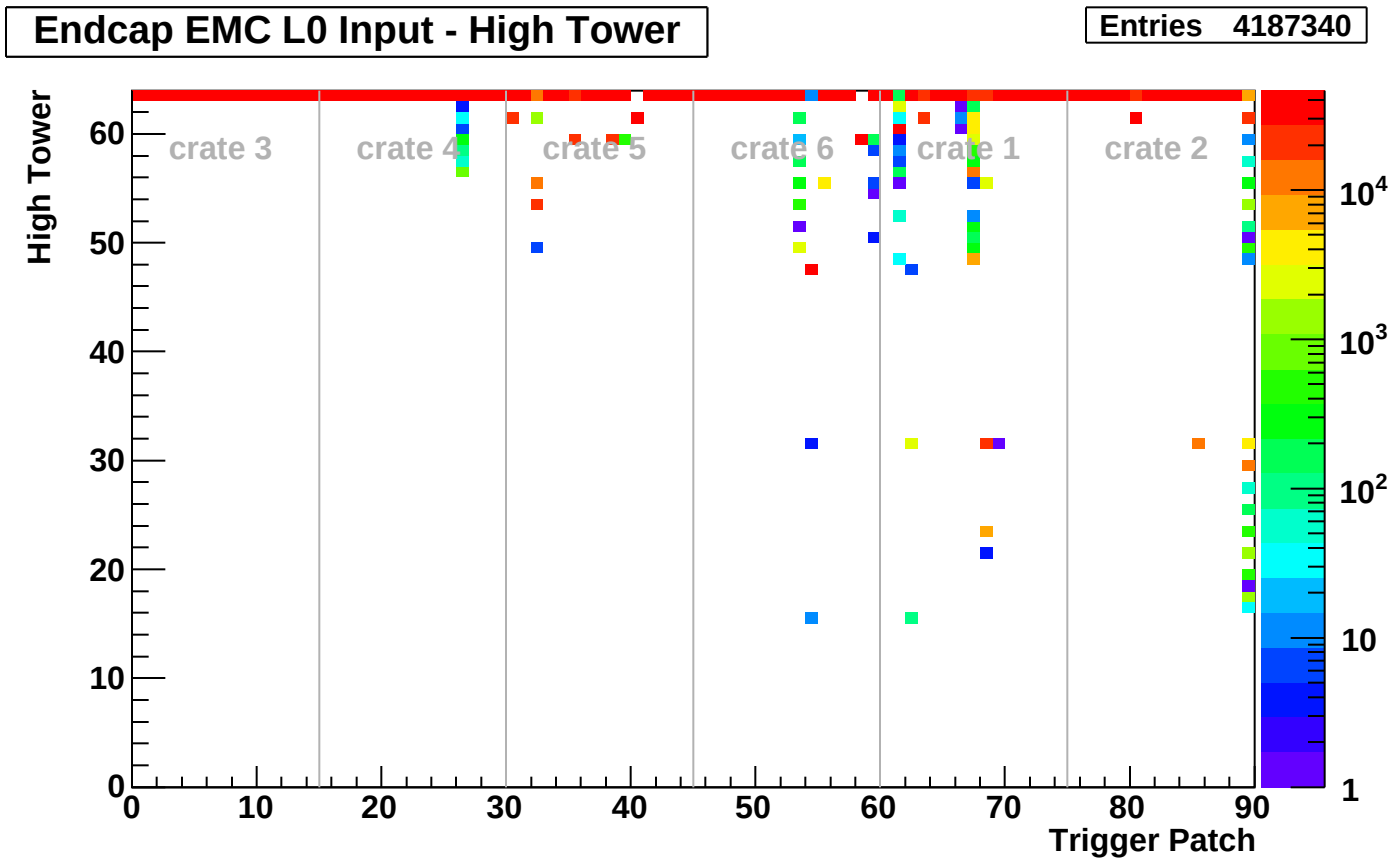

BunchId7Bit (all events)
Entries 46526
10^2
10
1
0
20
40
60
80
100
120

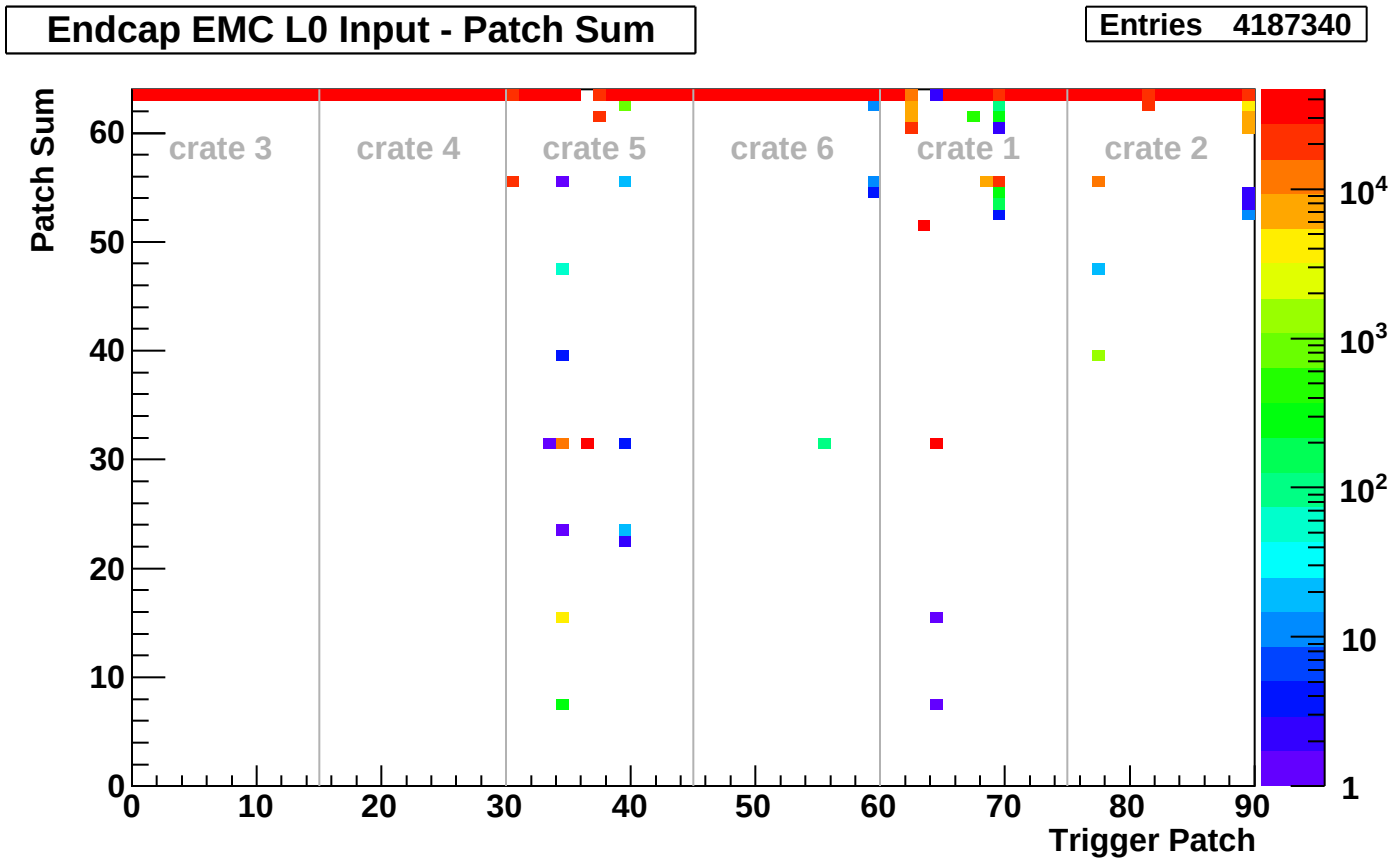

BunchId7Bit (JP1)
Entries 46526
10^2
10
1
0
20
40
60
80
100
120

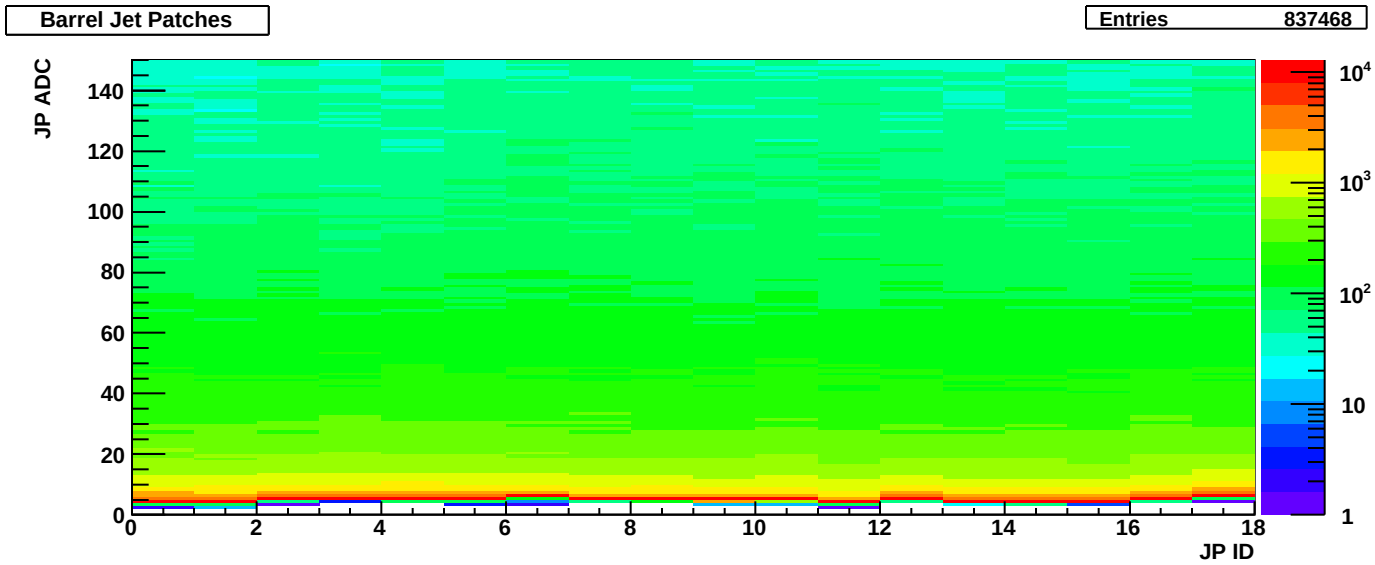

BunchId7Bit (JP2||AJP)
Entries 46526
10^2
10
1
0
20
40
60
80
100
120

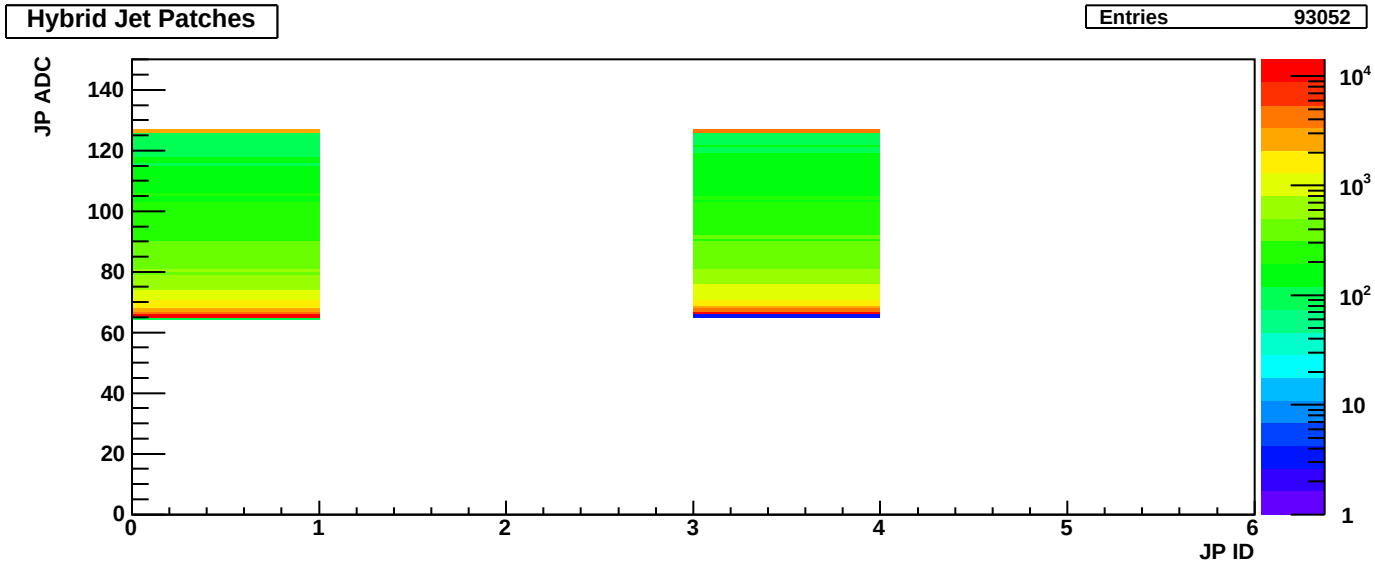

Barrel EMC L0 Input - High Tower
Entries 1.39578e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

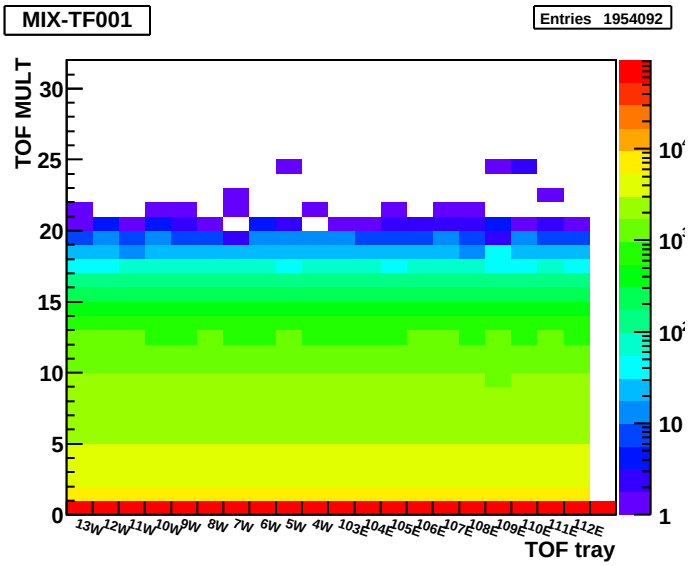

Barrel EMC L0 Input - Patch Sum
Entries 1.39578e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

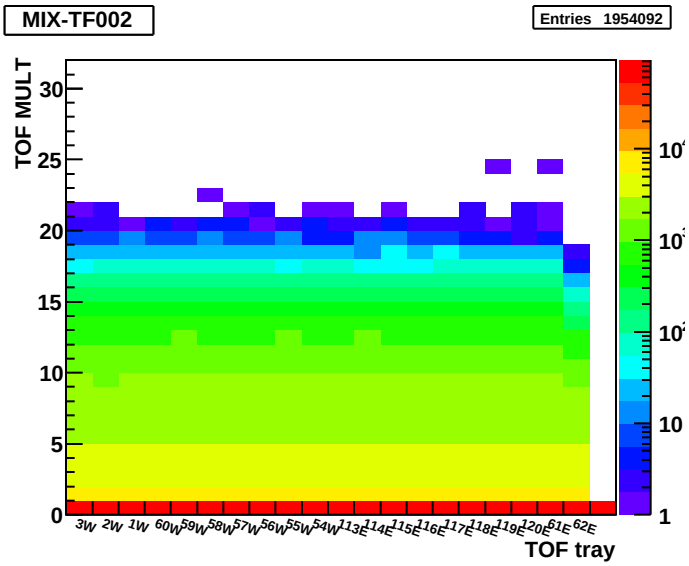

Endcap EMC L0 Input - High Tower
Entries 4187340
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

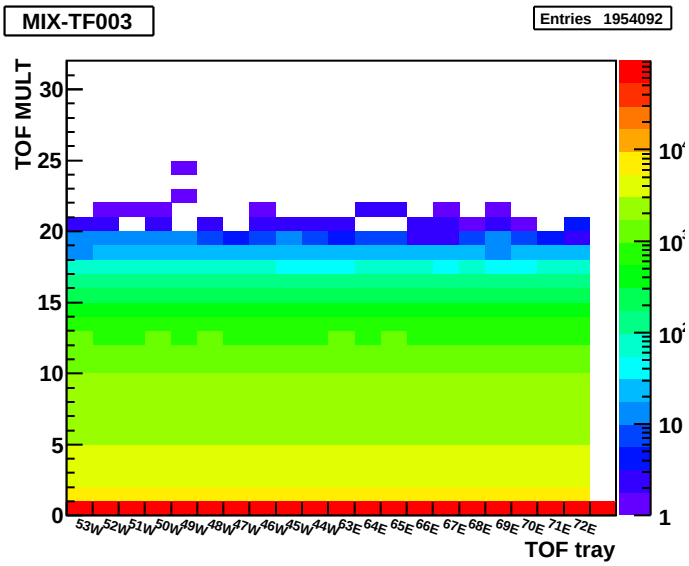

Endcap EMC L0 Input - Patch Sum
Entries 4187340
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

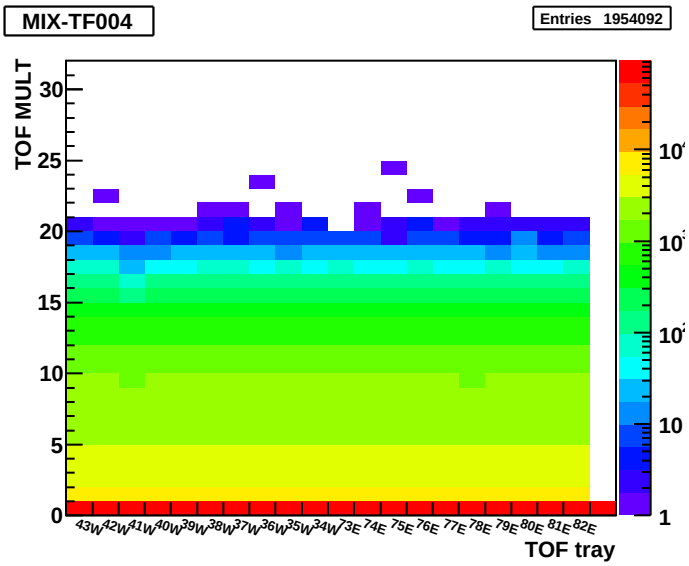

Barrel Jet Patches
Entries 837468
JP ADC
JP ID

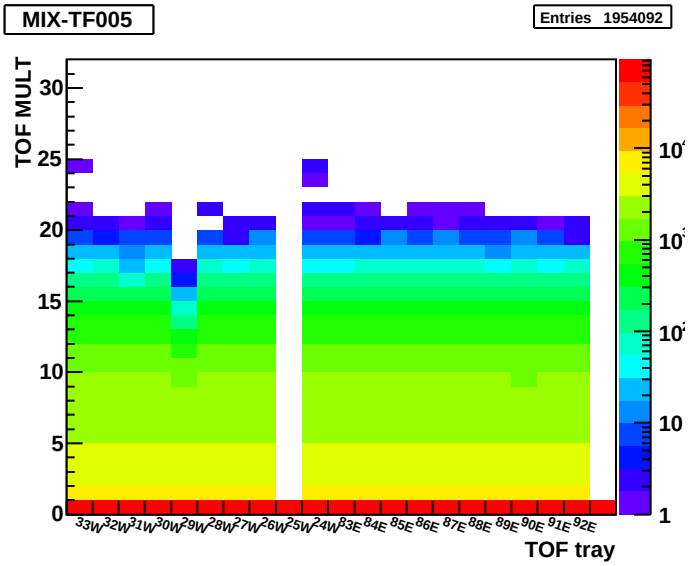

Hybrid Jet Patches
Entries 93052
JP ADC
JP ID

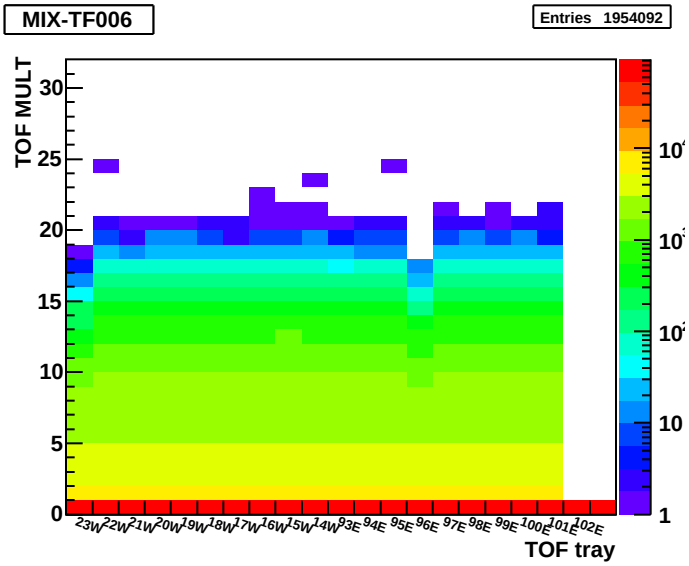

MIX-TF001
Entries 1954092
TOF MULT
TOF tray

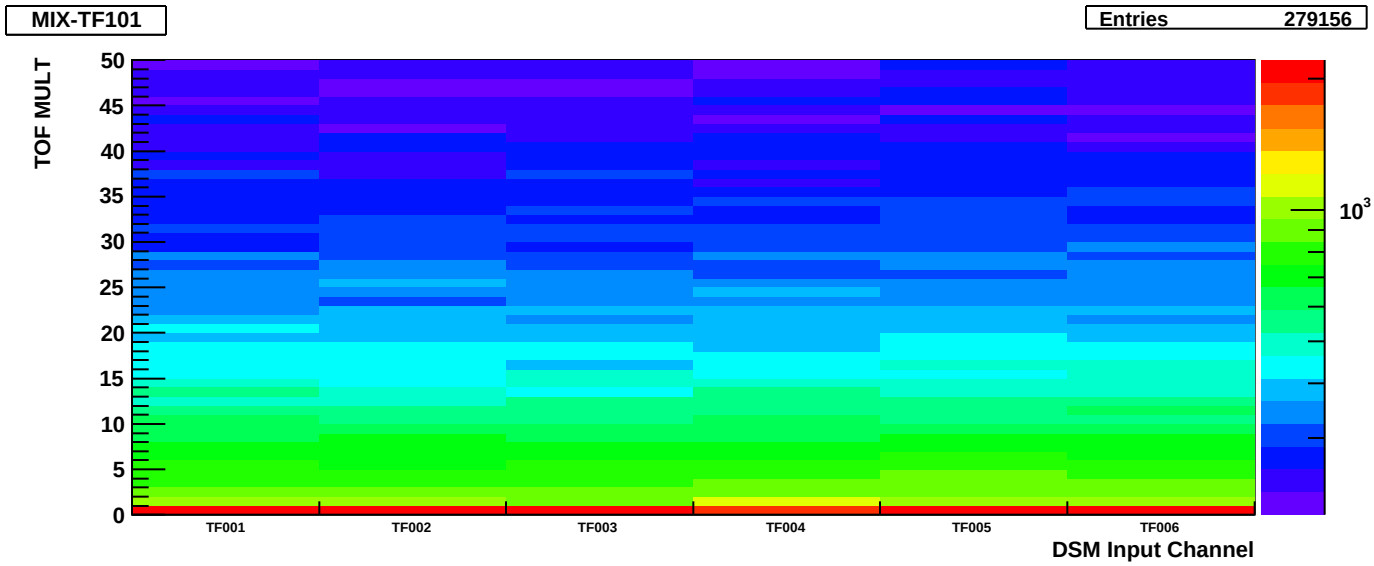

MIX-TF002
Entries 1954092
TOF MULT
TOF tray

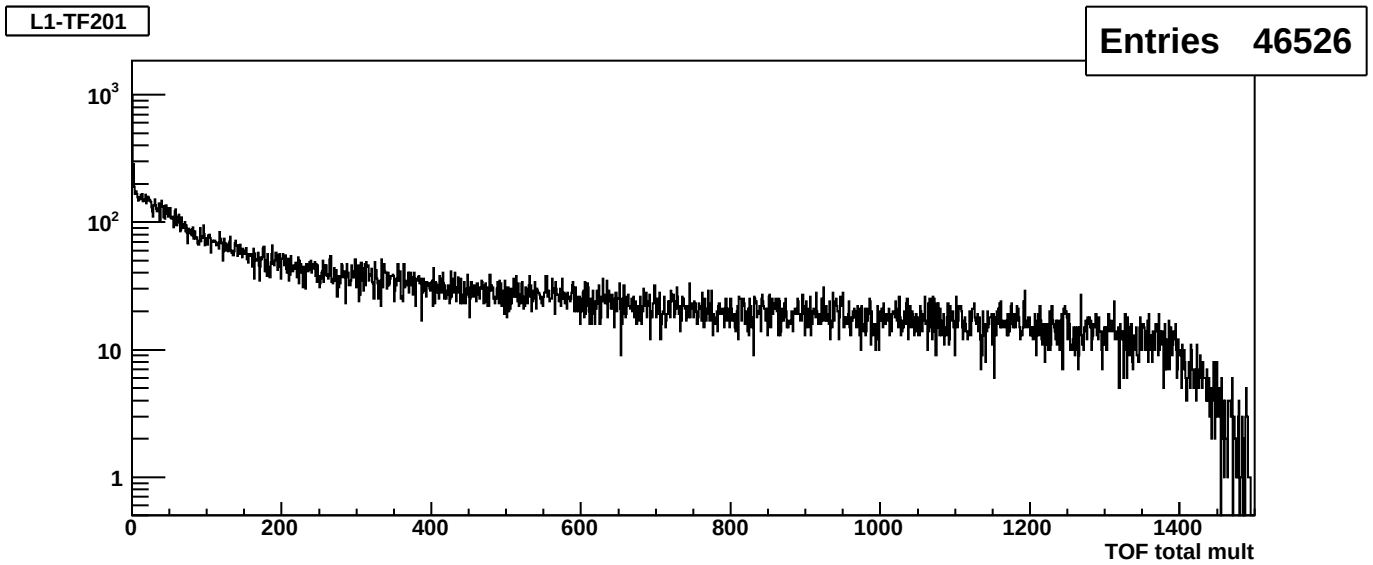

MIX-TF003
Entries 1954092
TOF MULT
TOF tray

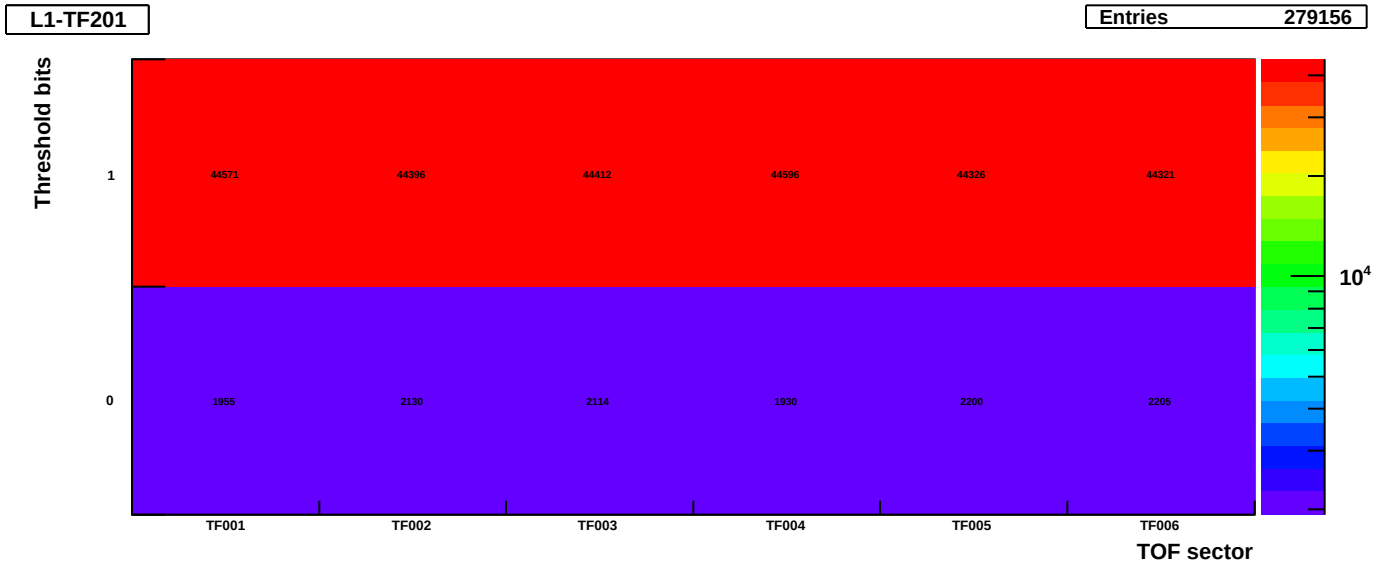

MIX-TF004
Entries 1954092
TOF MULT
TOF tray

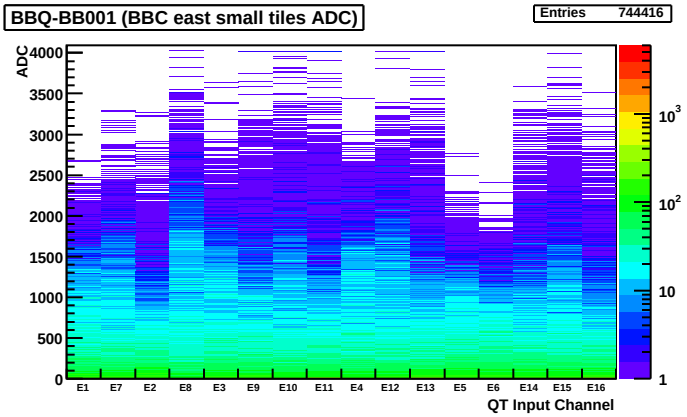

MIX-TF005
Entries 1954092
TOF MULT
TOF tray

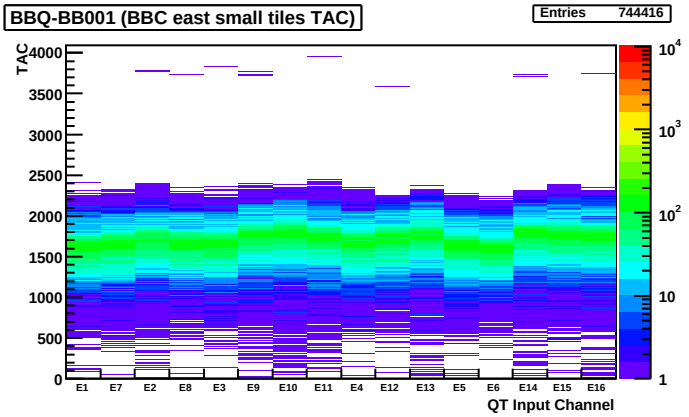

MIX-TF006
Entries 1954092
TOF MULT
TOF tray

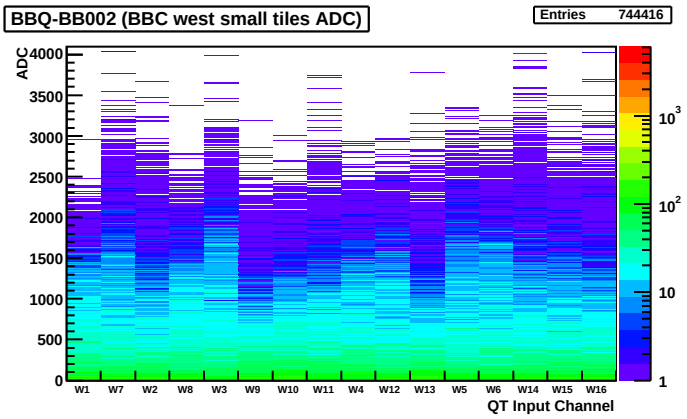

MIX-TF101
Entries 279156
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3

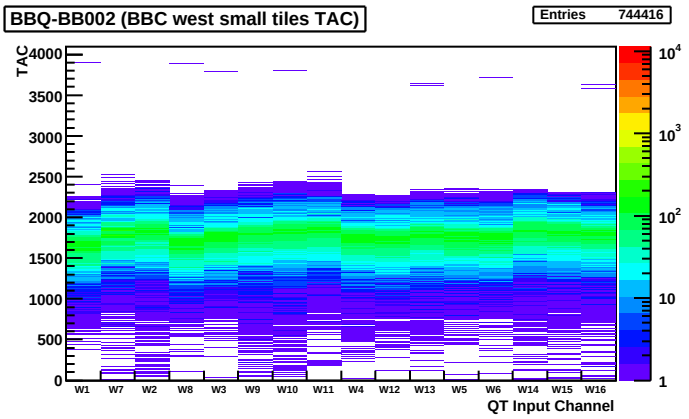

L1-TF201
Entries 46526
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

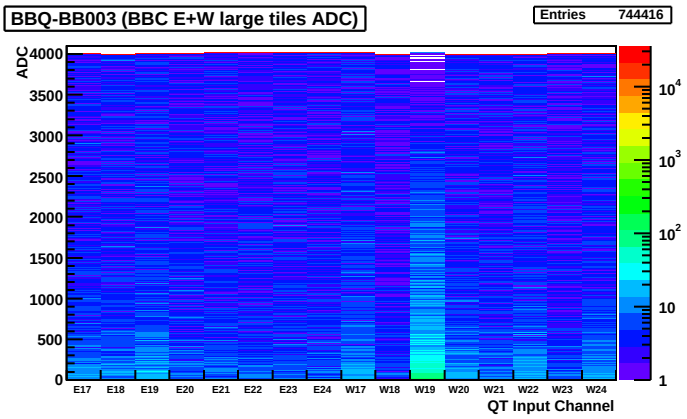

L1-TF201
Entries 279156
Threshold bits
1
0
44571
44396
44412
44596
44326
44321
1955
2130
2114
1930
2200
2205
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4

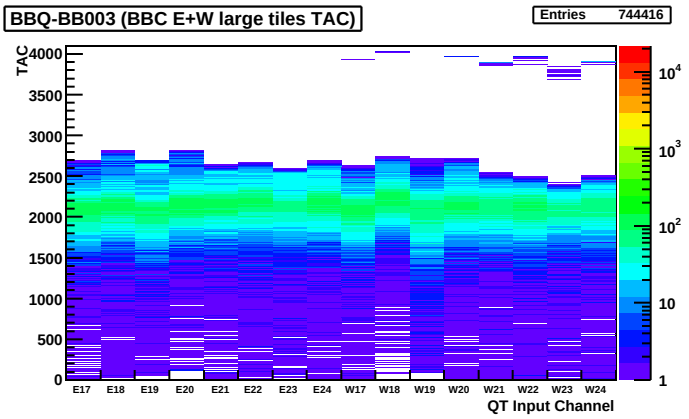

BBQ-BB001 (BBC east small tiles ADC)
Entries 744416
ADC
QT Input Channel

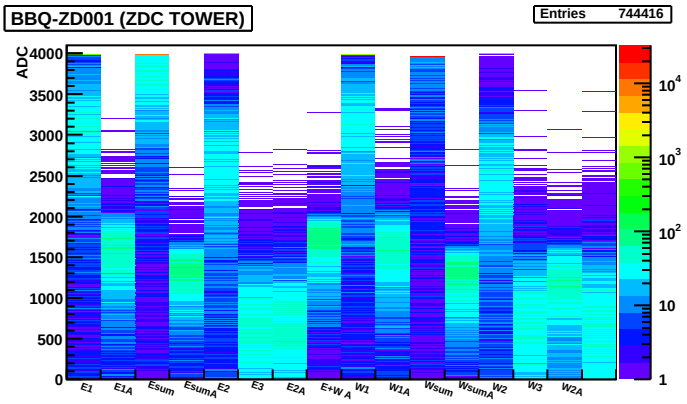

BBQ-BB001 (BBC east small tiles TAC)
Entries 744416
TAC
QT Input Channel

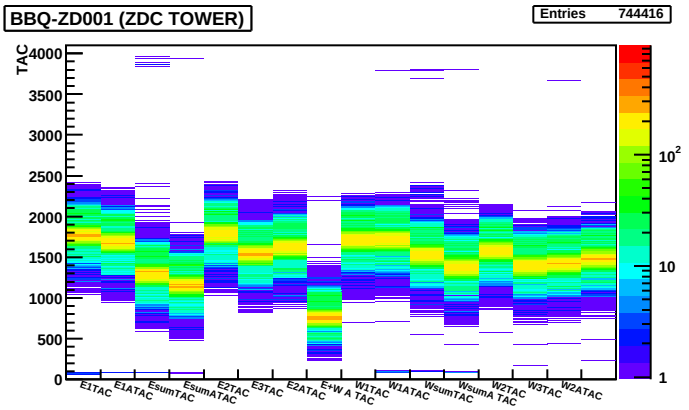

BBQ-BB002 (BBC west small tiles ADC)
Entries 744416
ADC
QT Input Channel

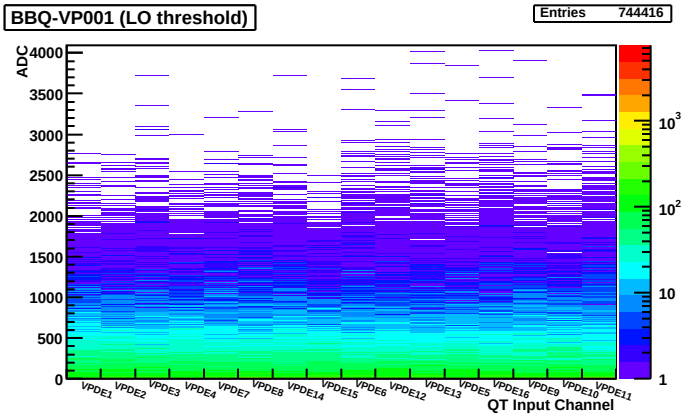

BBQ-BB002 (BBC west small tiles TAC)
Entries 744416
TAC
QT Input Channel

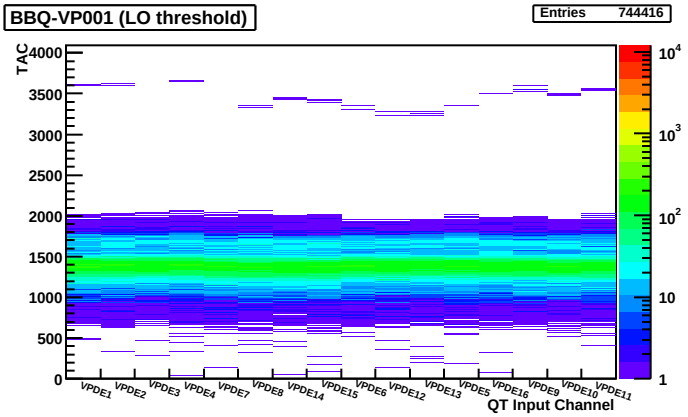

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 744416
ADC
QT Input Channel

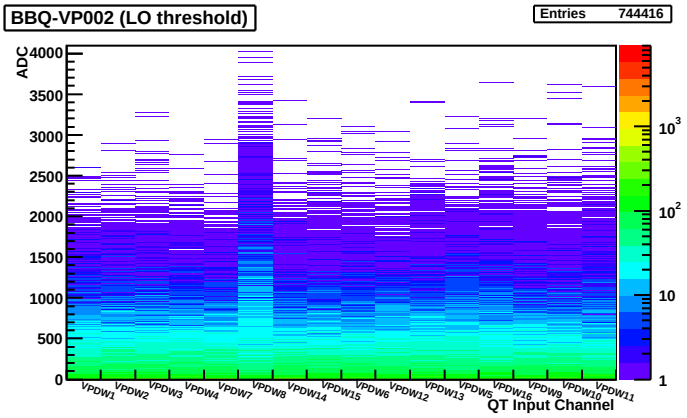

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 744416
TAC
QT Input Channel

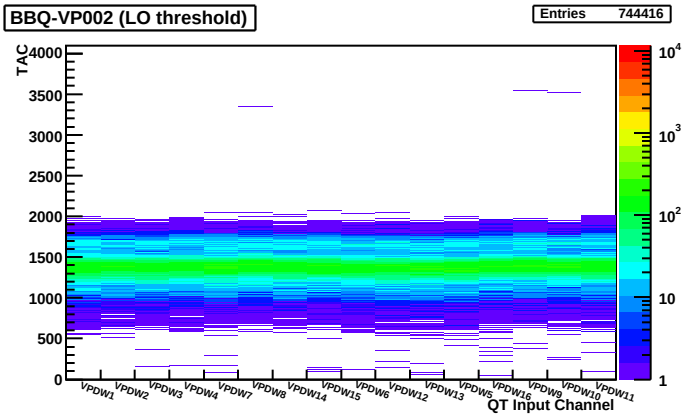

BBQ-ZD001 (ZDC TOWER)
Entries 744416
ADC

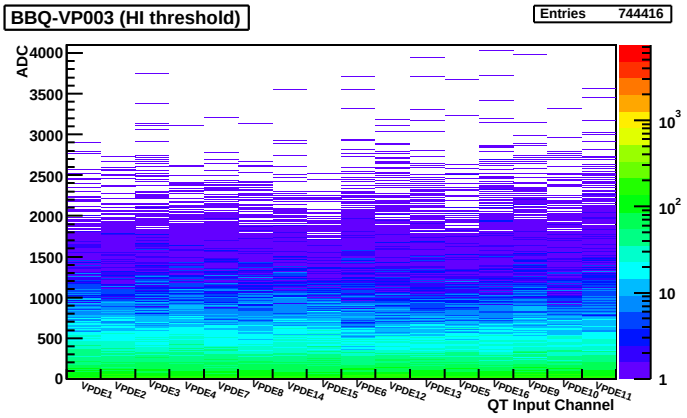

BBQ-ZD001 (ZDC TOWER)
Entries 744416
TAC

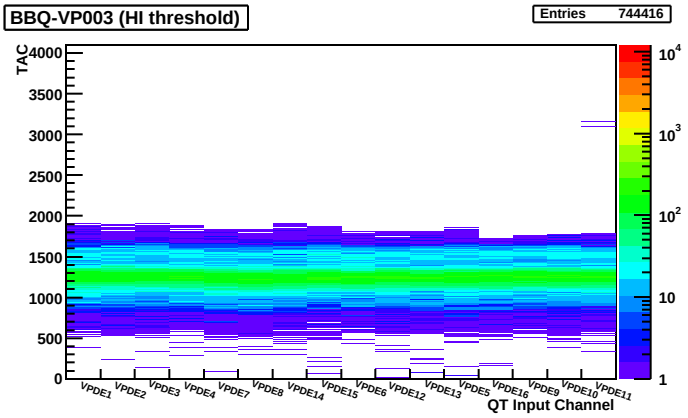

BBQ-VP001 (LO threshold)
Entries 744416
ADC
QT Input Channel

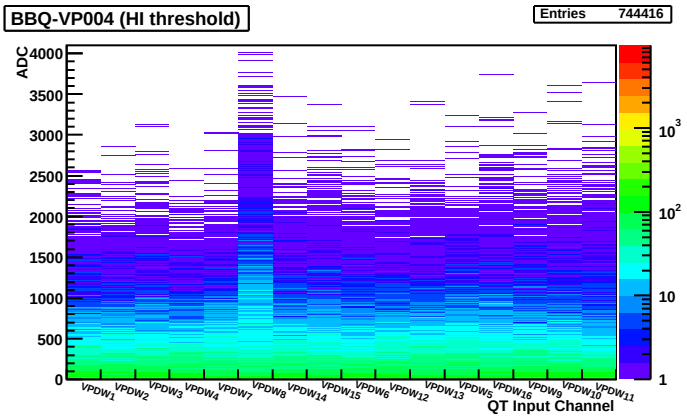

BBQ-VP001 (LO threshold)
Entries 744416
TAC
QT Input Channel

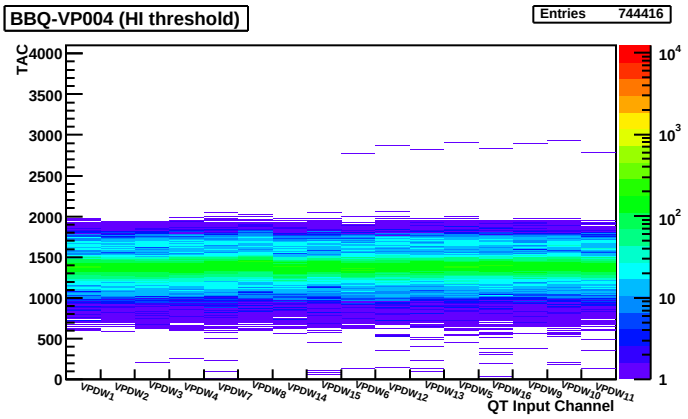

BBQ-VP002 (LO threshold)
Entries 744416
ADC
QT Input Channel

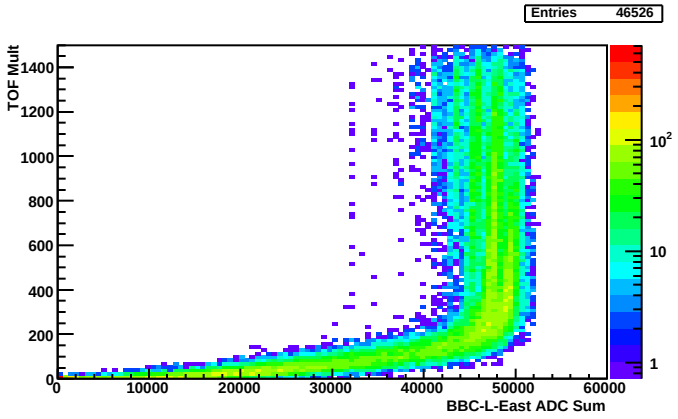

BBQ-VP002 (LO threshold)
Entries 744416
TAC
QT Input Channel

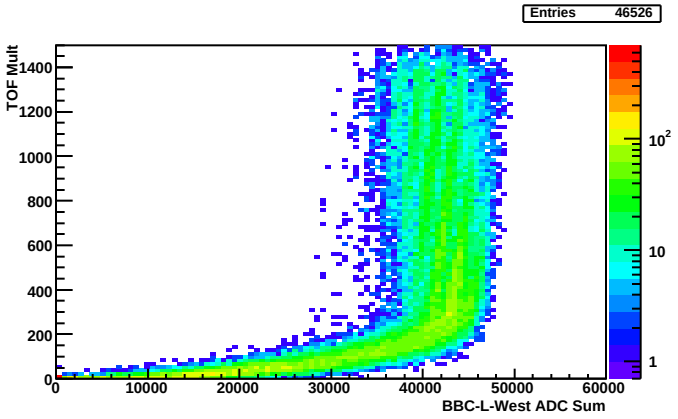

BBQ-VP003 (HI threshold)
Entries 744416
ADC
QT Input Channel

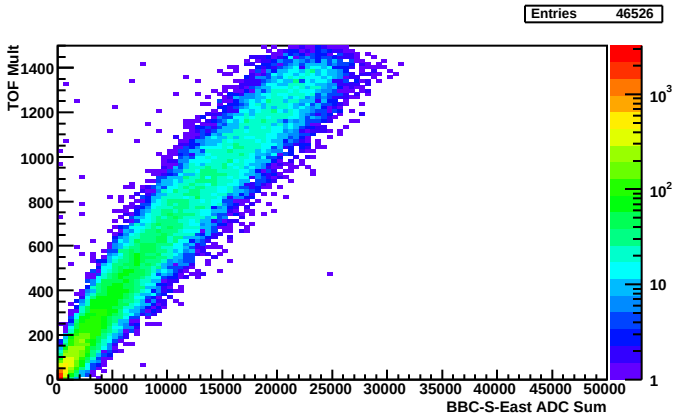

BBQ-VP003 (HI threshold)
Entries 744416
TAC
QT Input Channel

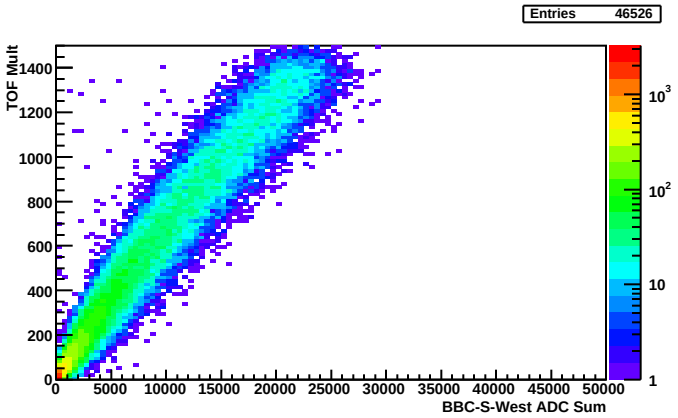

BBQ-VP004 (HI threshold)
Entries 744416
ADC
QT Input Channel

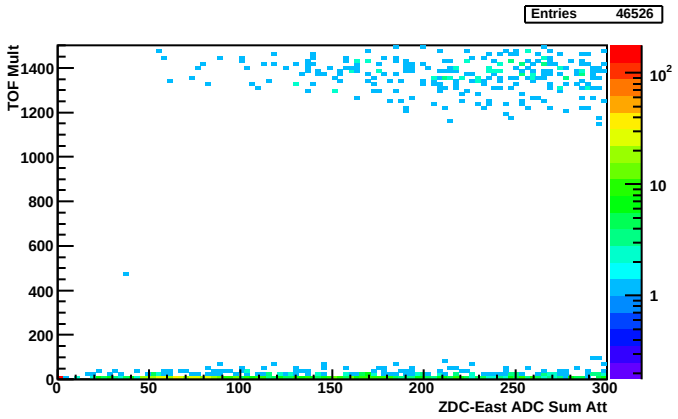

BBQ-VP004 (HI threshold)
Entries 744416
TAC
QT Input Channel

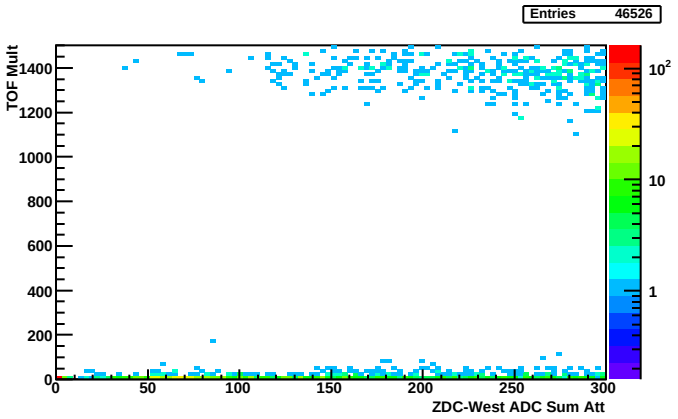

Entries 46526
TOF Mult
BBC-L-East ADC Sum

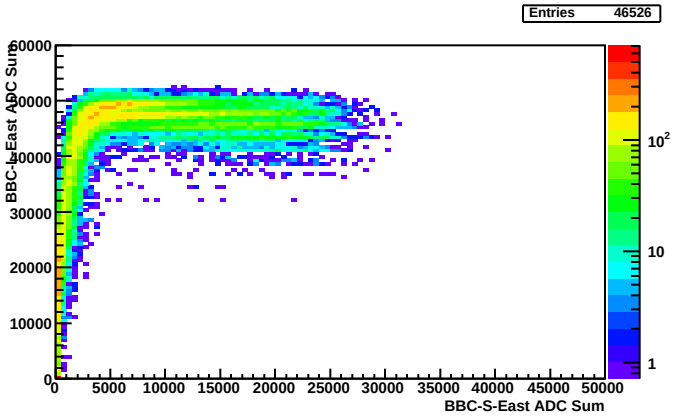

Entries 46526
TOF Mult
BBC-L-West ADC Sum

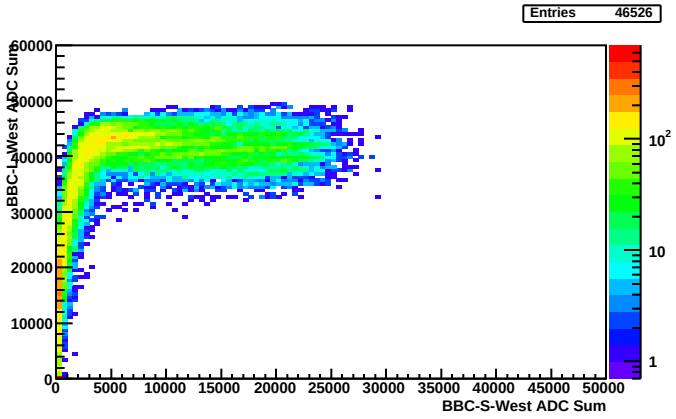

Entries 46526
TOF Mult
BBC-S-East ADC Sum

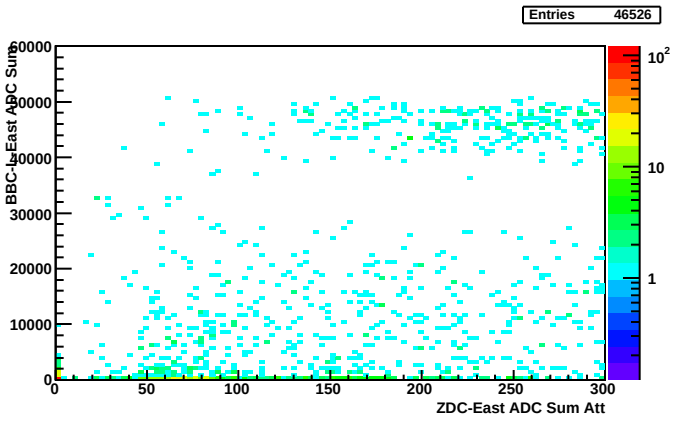

Entries 46526
TOF Mult
BBC-S-West ADC Sum

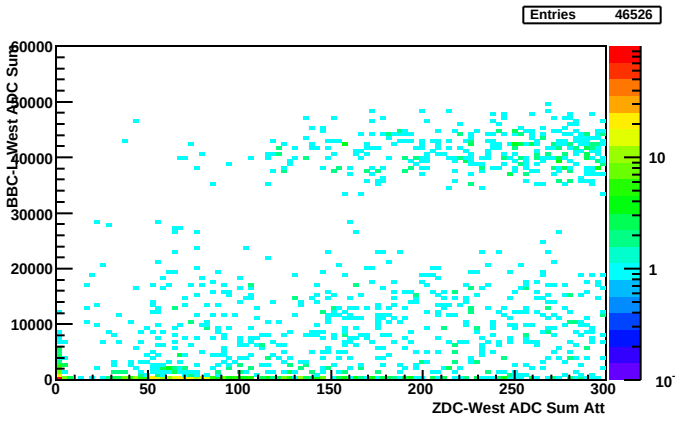

Entries 46526
TOF Mult
ZDC-East ADC Sum Att

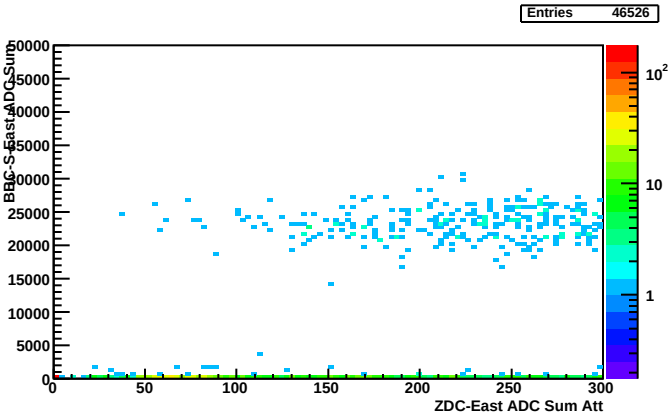

Entries 46526
TOF Mult
ZDC-West ADC Sum Att


Entries 46526
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 46526
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 46526
BBC-L-East ADC Sum
ZDC-East ADC Sum Att


Entries 46526
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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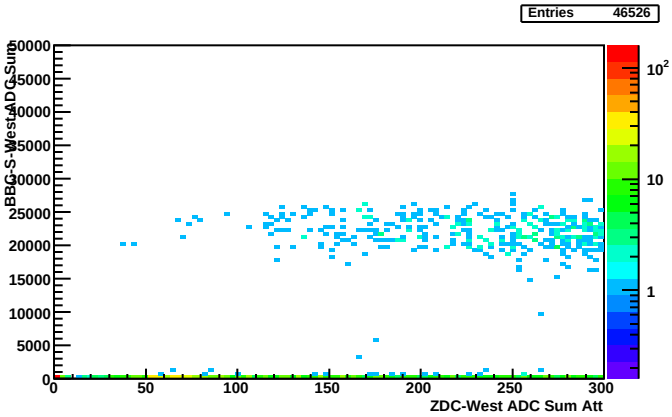
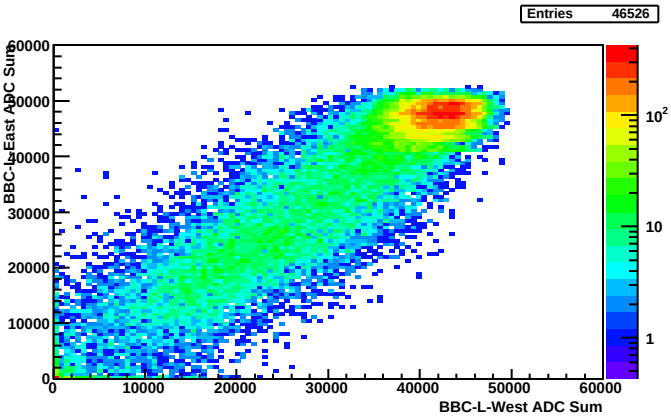
BBC-S-East ADC Sum
ZDC-East ADC Sum Att


Entries 46526
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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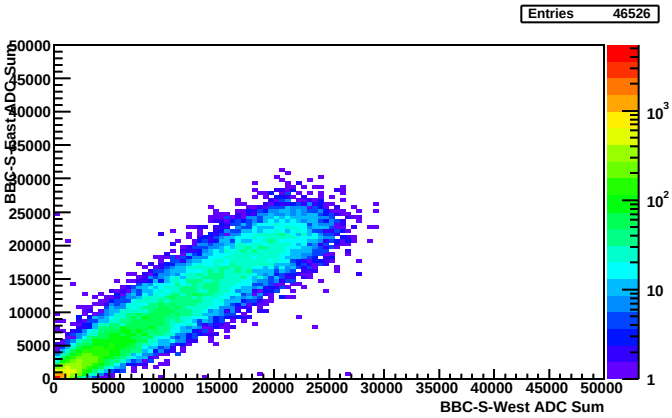
BBC-L-East ADC Sum
BBC-L-West ADC Sum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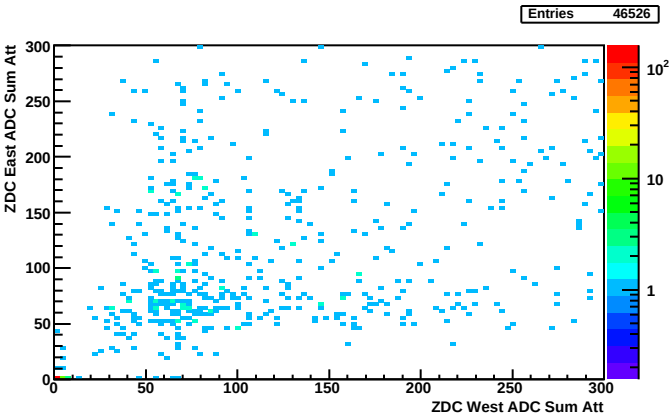
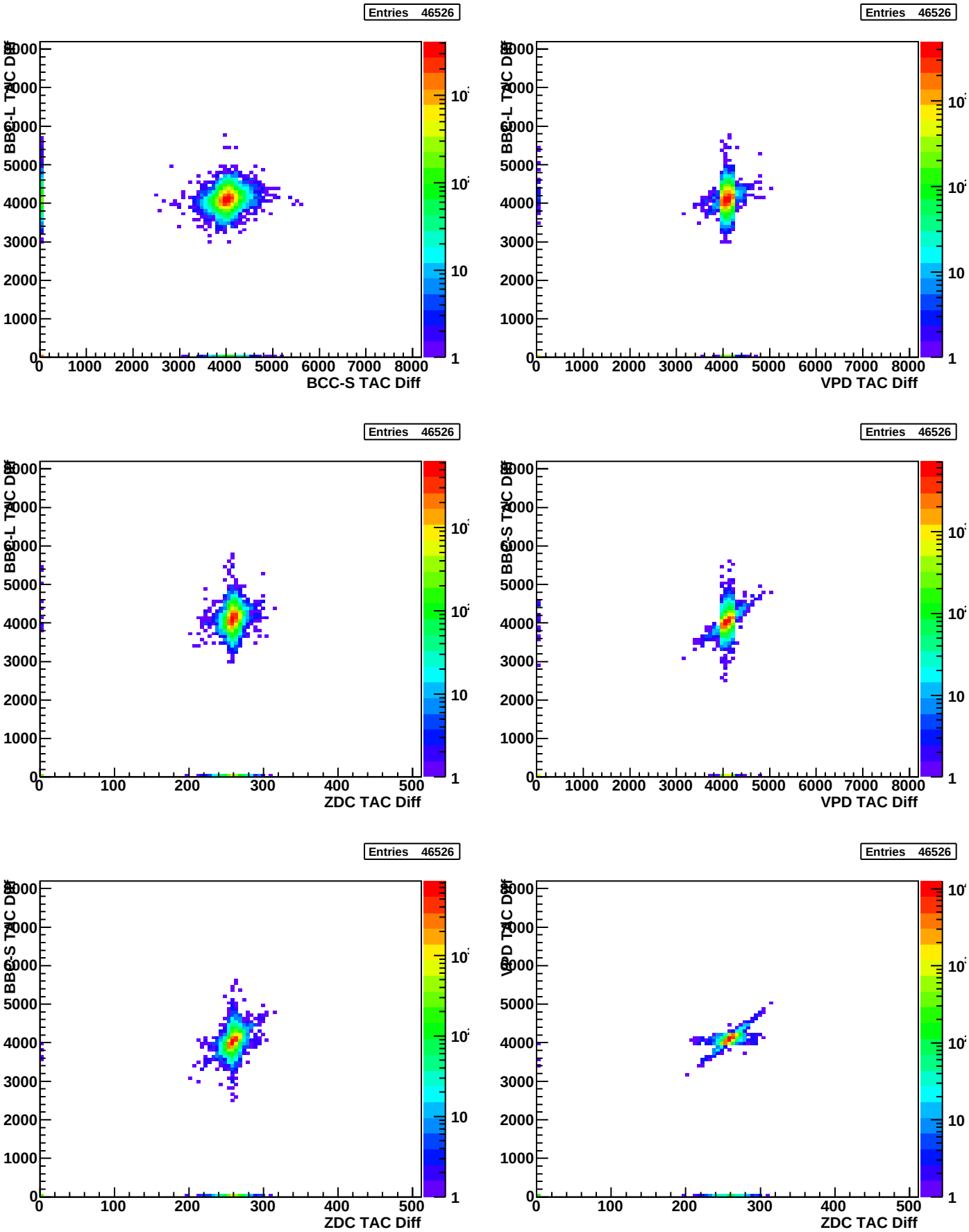
BBC-S-East ADC Sum
BBC-S-West ADC Sum


Entries 46526
ZDC East ADC Sum Att
ZDC West ADC Sum Att


Entries 46526
BBC-L TAC Diff
BCC-S TAC Diff
Entries 46526
BBC-L TAC Diff
VPD TAC Diff
Entries 46526
BBC-L TAC Diff
ZDC TAC Diff
Entries 46526
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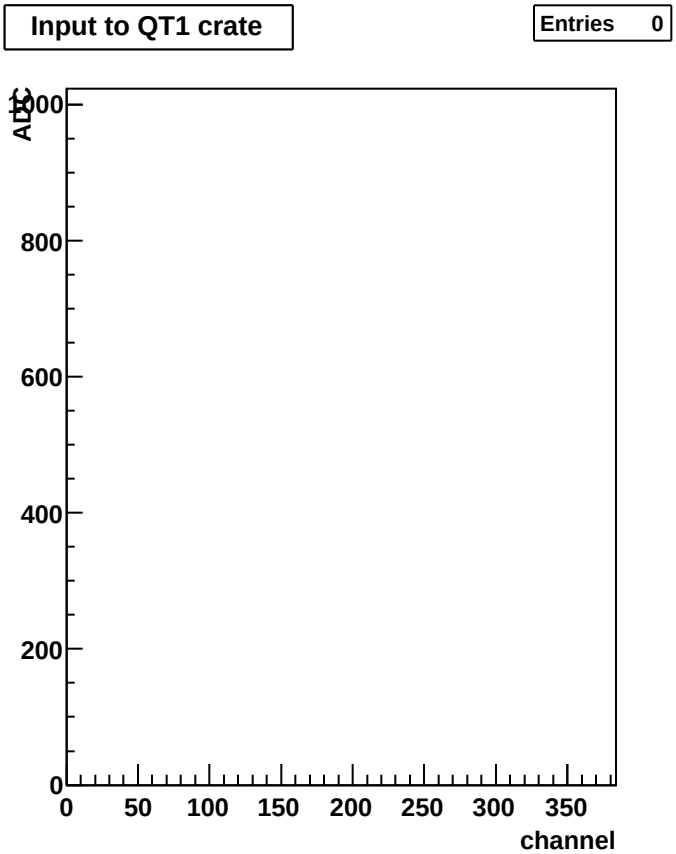
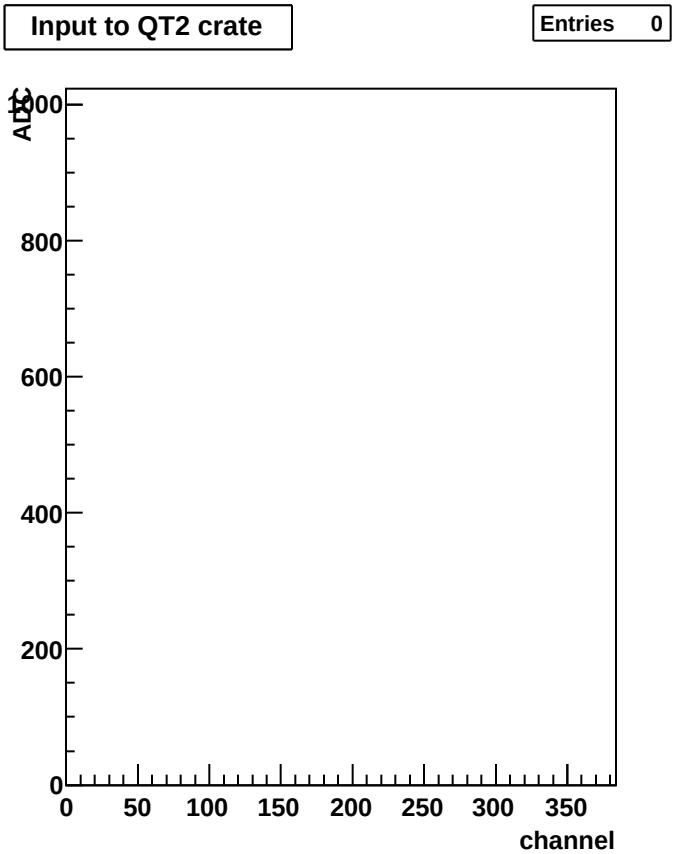
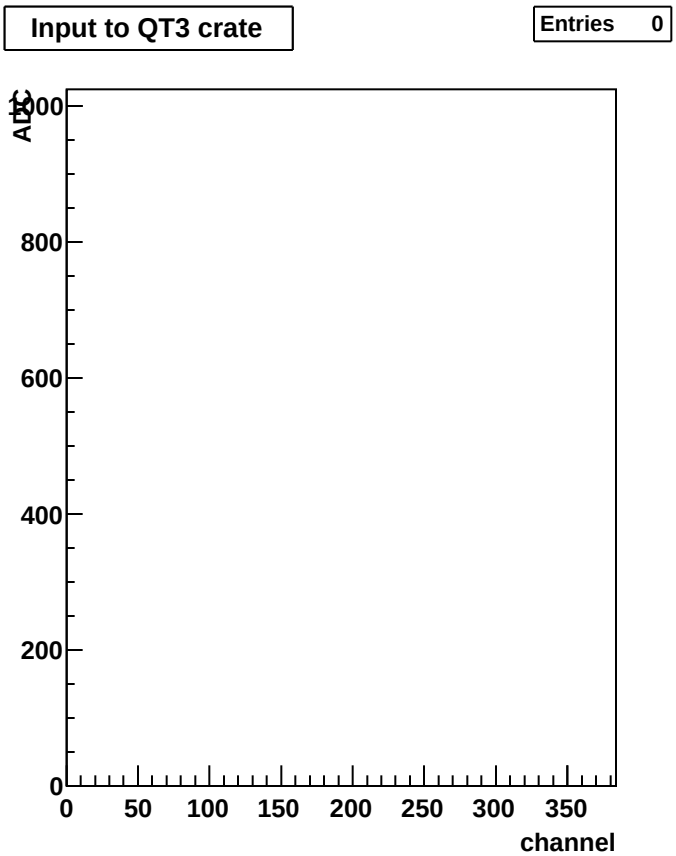
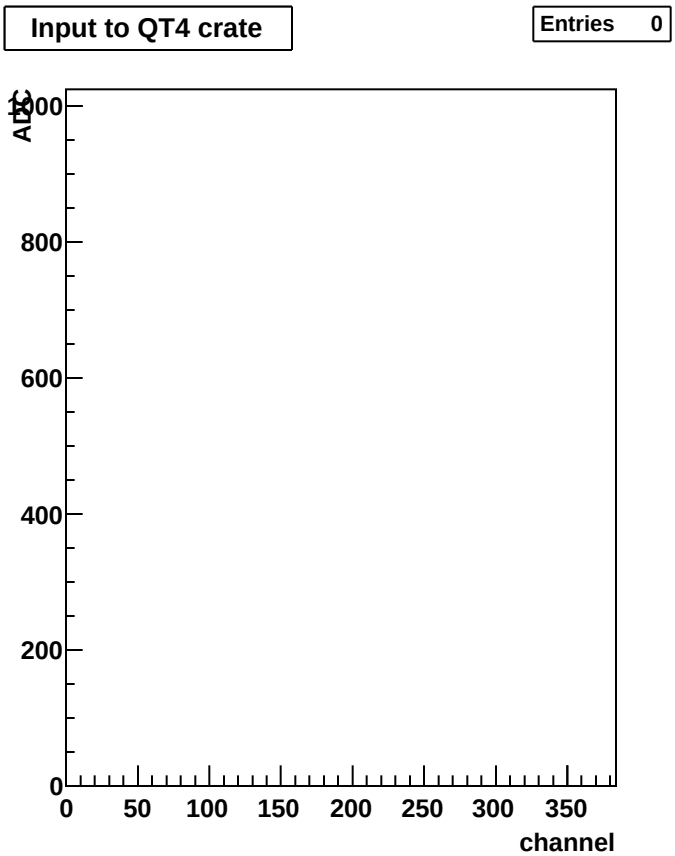
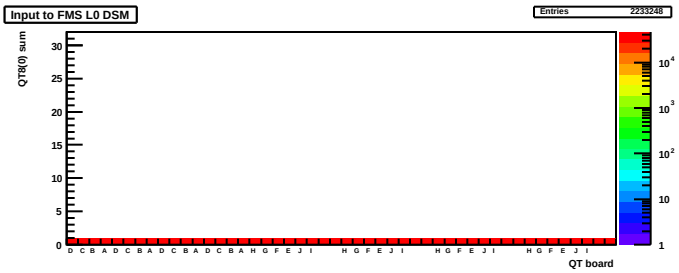
VPD TAC Diff
Entries 46526
BBC-S TAC Diff
ZDC TAC Diff
Entries 46526
VPD TAC Diff
ZDC TAC Diff

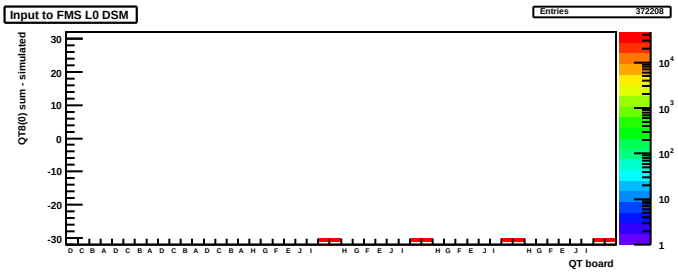

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

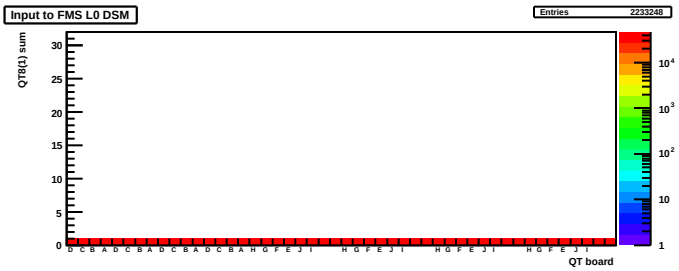

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

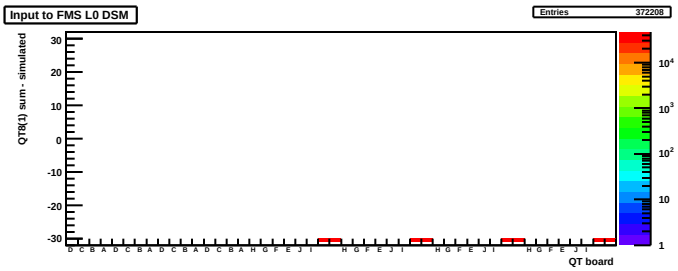

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

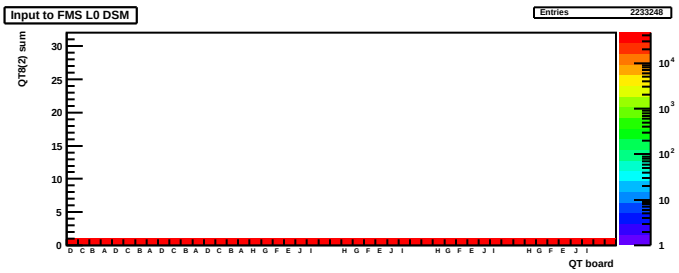

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

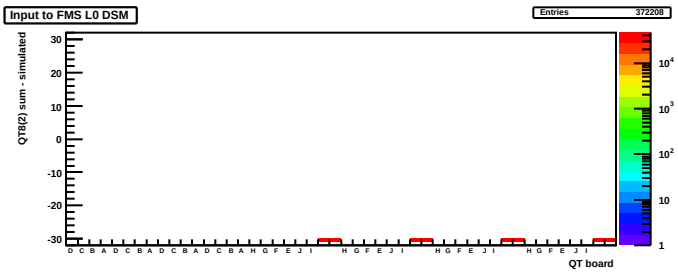

Input to FMS L0 DSM
Entries 2233248
QT8(0) sum
QT board

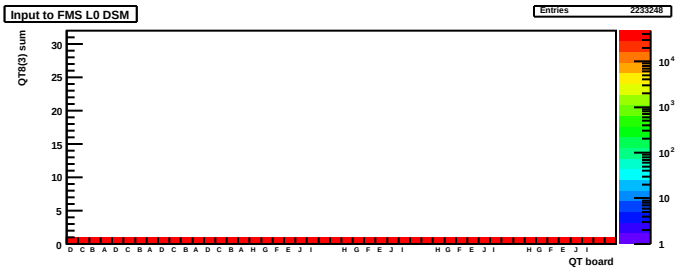

Input to FMS L0 DSM
Entries 372208
QT8(0) sum - simulated
QT board

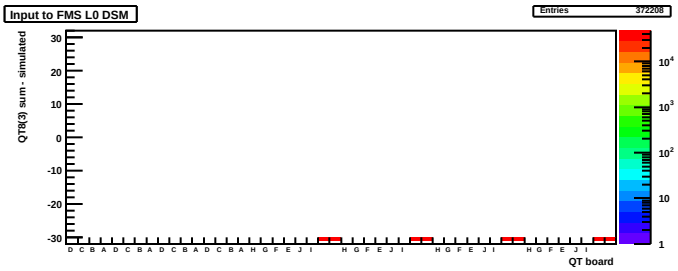

Input to FMS L0 DSM
Entries 2233248
QT8(1) sum
QT board

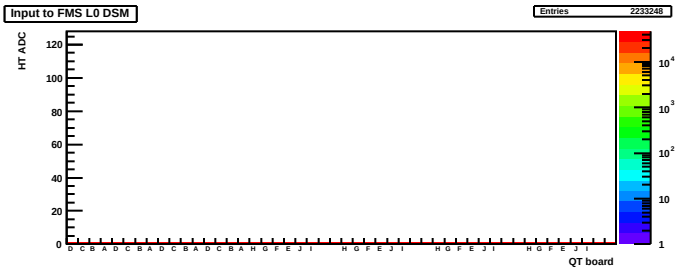

Input to FMS L0 DSM
Entries 372208
QT8(1) sum - simulated
QT board

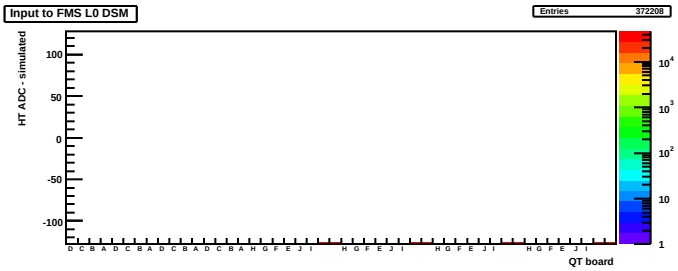

Input to FMS L0 DSM
Entries 2233248
QT8(2) sum
QT board

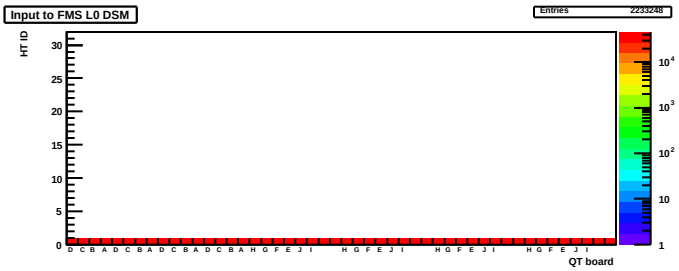

Input to FMS L0 DSM
Entries 372208
QT8(2) sum - simulated
QT board

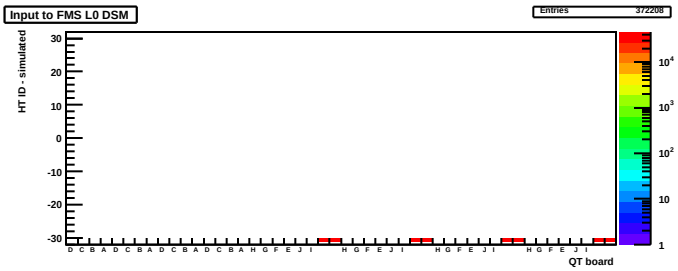

Input to FMS L0 DSM
Entries 2233248
QT8(3) sum
QT board

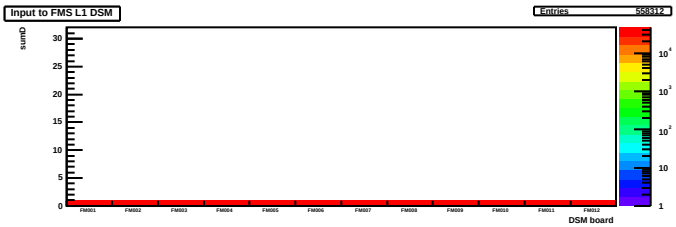

Input to FMS L0 DSM
Entries 372208
QT8(3) sum - simulated
QT board

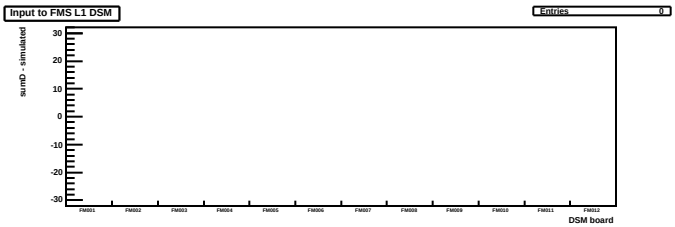

Input to FMS L0 DSM
Entries 2233248
HT ADC
QT board

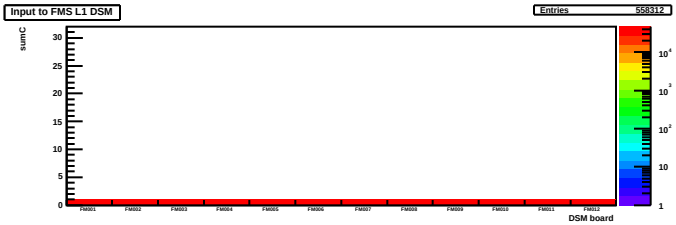

Input to FMS L0 DSM
Entries 372208
HT ADC - simulated
QT board

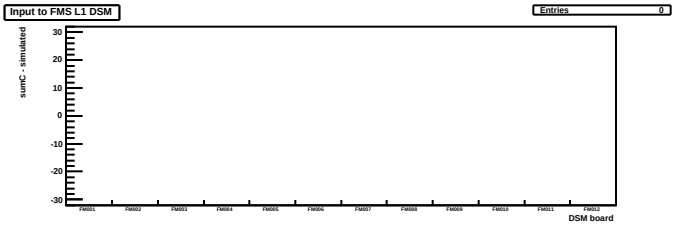

Input to FMS L0 DSM
Entries 2233248
HT ID
QT board

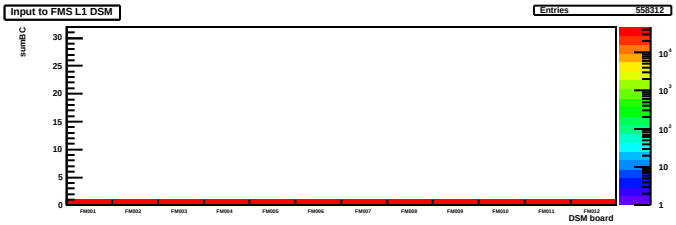

Input to FMS L0 DSM
Entries 372208
HT ID - simulated
QT board

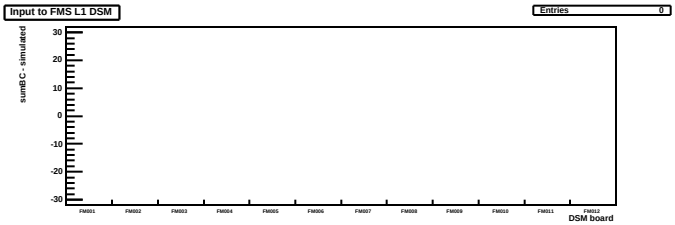

Input to FMS L1 DSM
Entries 558312
sumD
DSM board

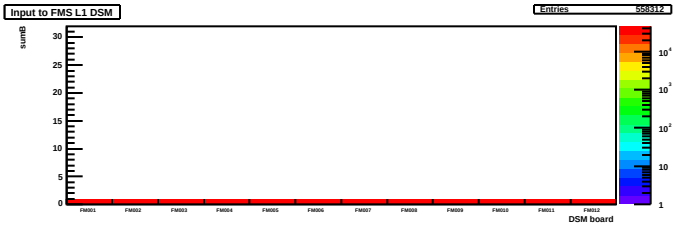

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

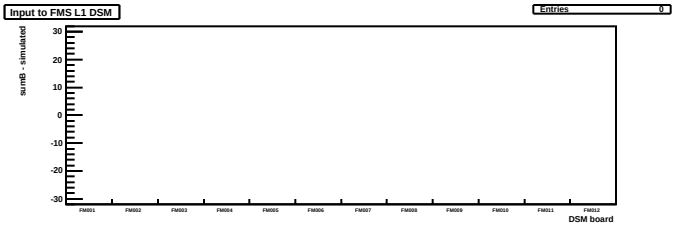

Input to FMS L1 DSM
Entries 558312
sumC
DSM board

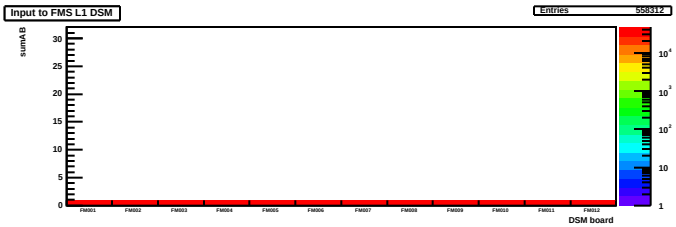

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

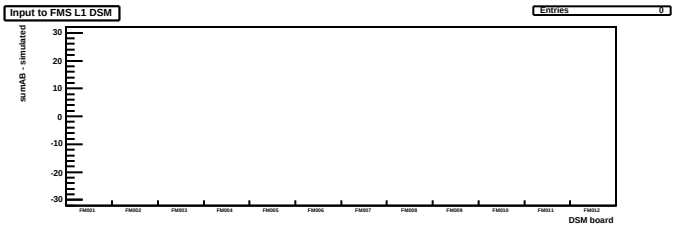

Input to FMS L1 DSM
Entries 558312
sumBC
DSM board

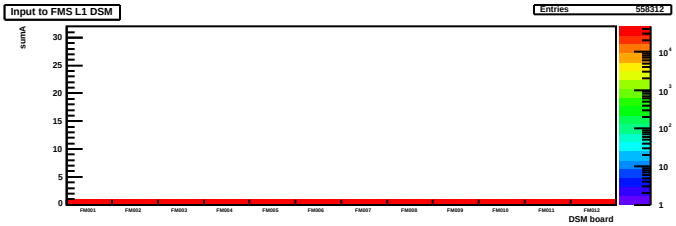

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

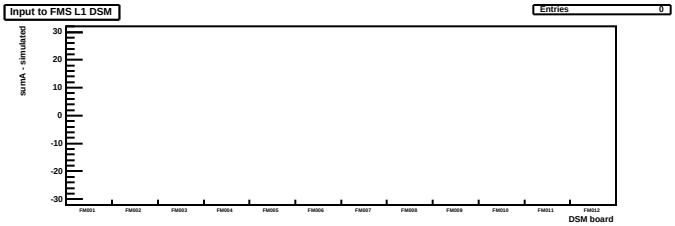

Input to FMS L1 DSM
Entries 558312
sumB
DSM board

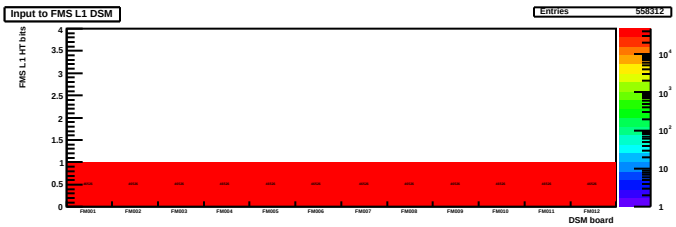

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

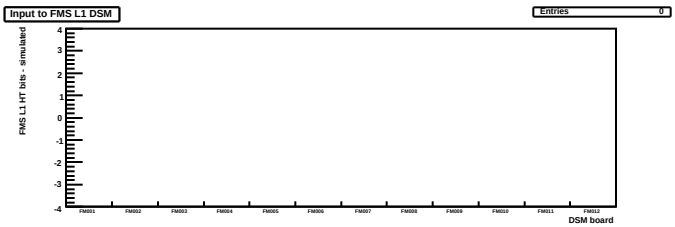

Input to FMS L1 DSM
Entries 558312
sumAB
DSM board

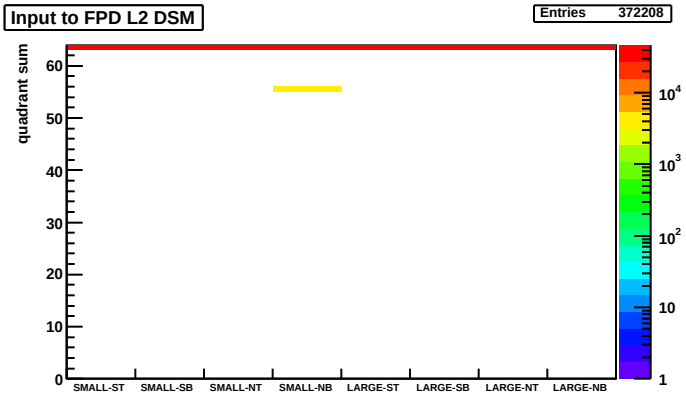

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

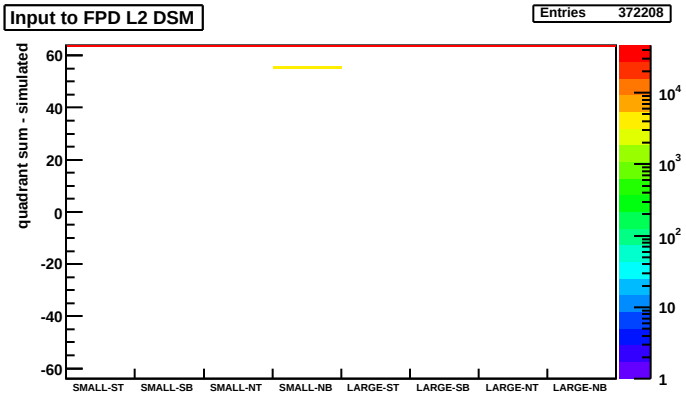

Input to FMS L1 DSM
Entries 558312
sumA
DSM board

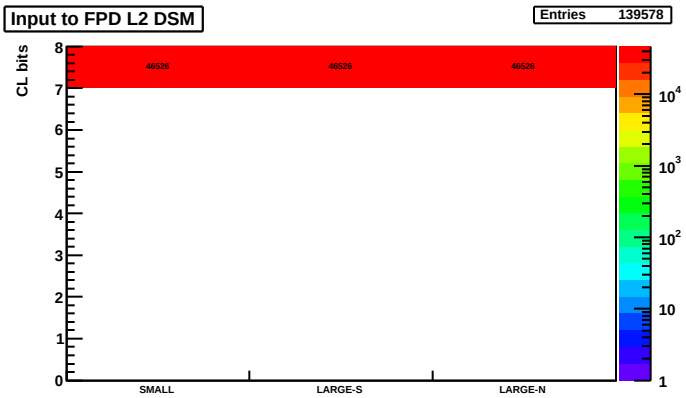

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

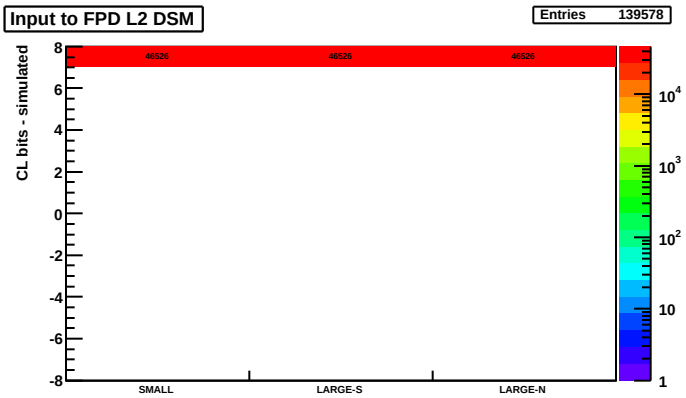

Input to FMS L1 DSM
Entries 558312
FMS L1 HT bits
DSM board

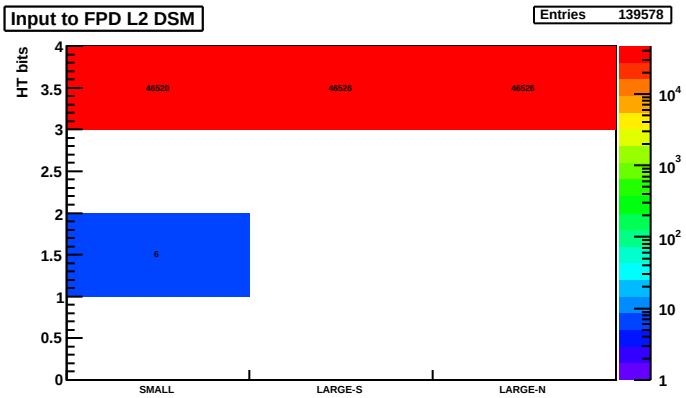

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

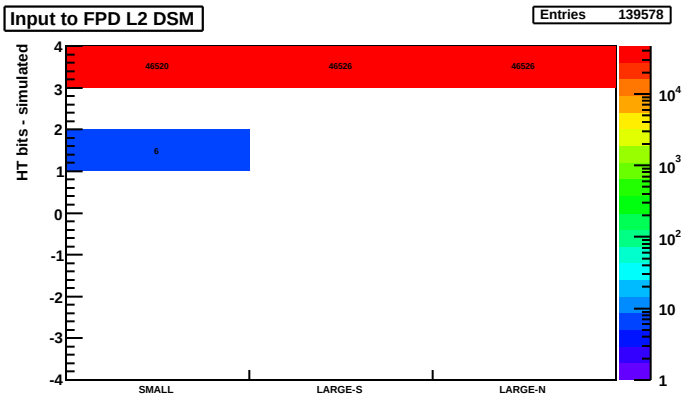

Input to FPD L2 DSM
Entries 372208
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

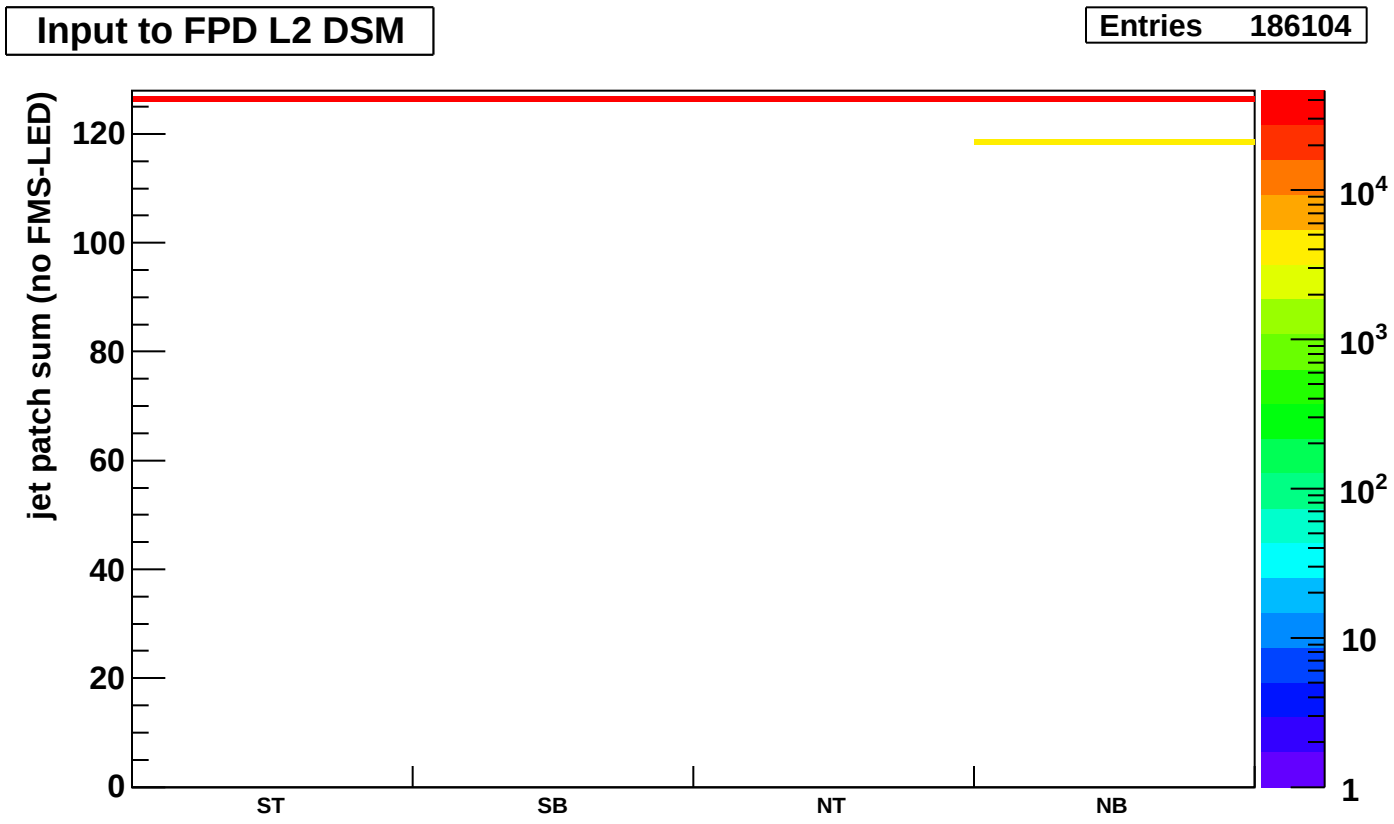

Input to FPD L2 DSM
Entries 372208
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

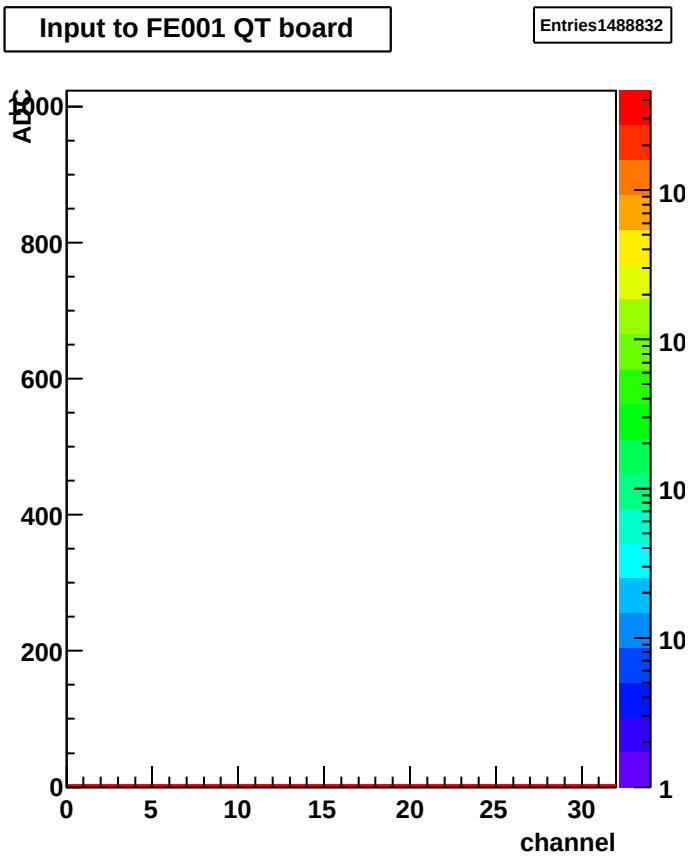

Input to FPD L2 DSM
Entries 139578
CL bits
46526
46526
46526
SMALL
LARGE-S
LARGE-N

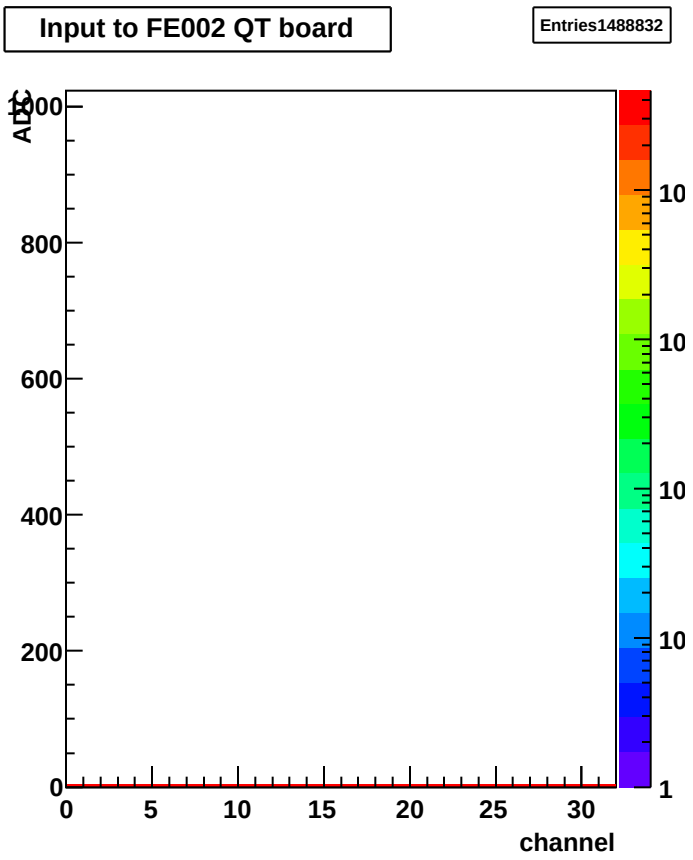

Input to FPD L2 DSM
Entries 139578
CL bits - simulated
46526
46526
46526
SMALL
LARGE-S
LARGE-N

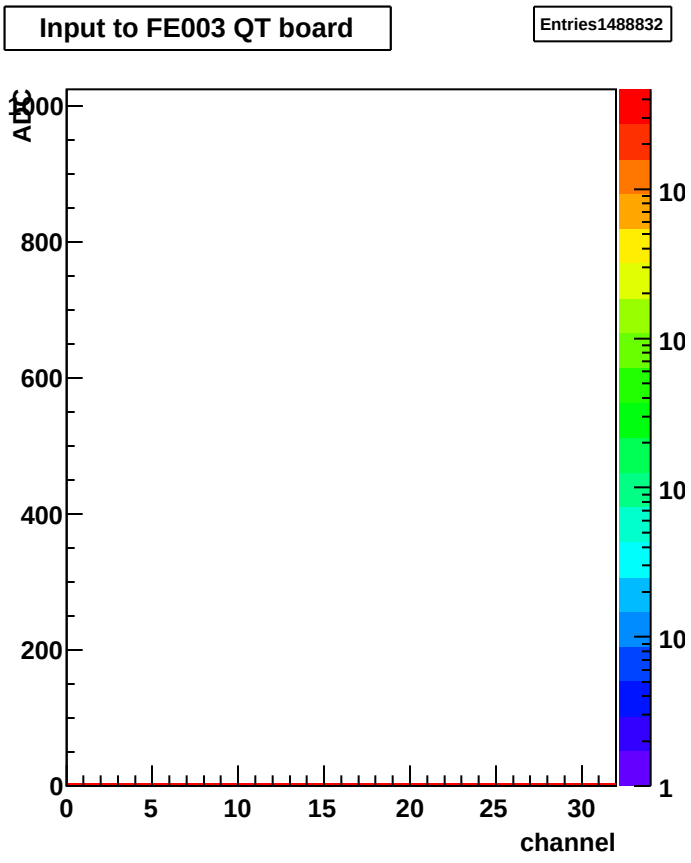

Input to FPD L2 DSM
Entries 139578
HT bits
46520
46526
46526
6
SMALL
LARGE-S
LARGE-N

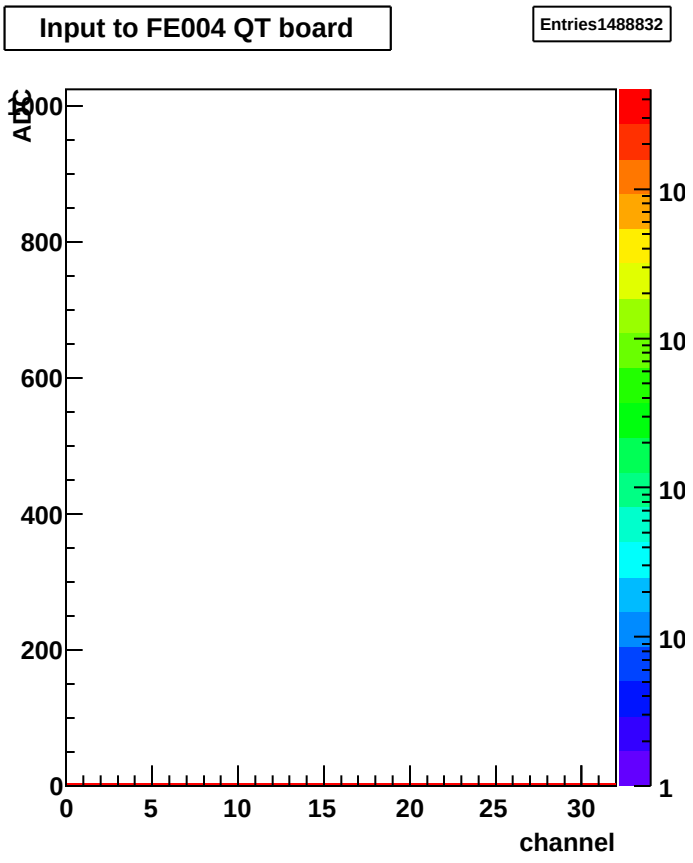

Input to FPD L2 DSM
Entries 139578
HT bits - simulated
46520
46526
46526
6
SMALL
LARGE-S
LARGE-N


Input to FPD L2 DSM
Entries 186104
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

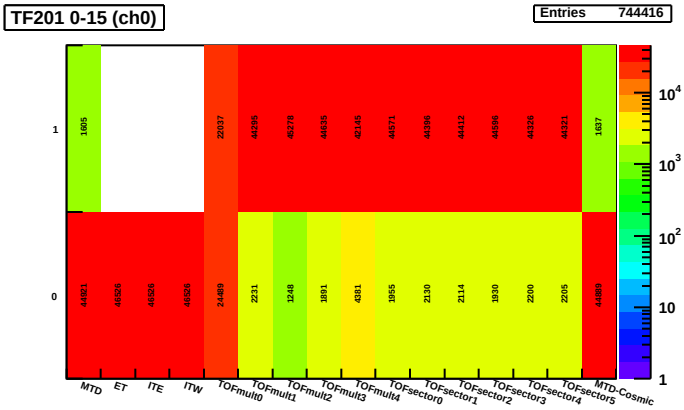

Input to FE001 QT board
Entries1488832
ADC
channel


Input to FE002 QT board
Entries1488832
ADC
channel

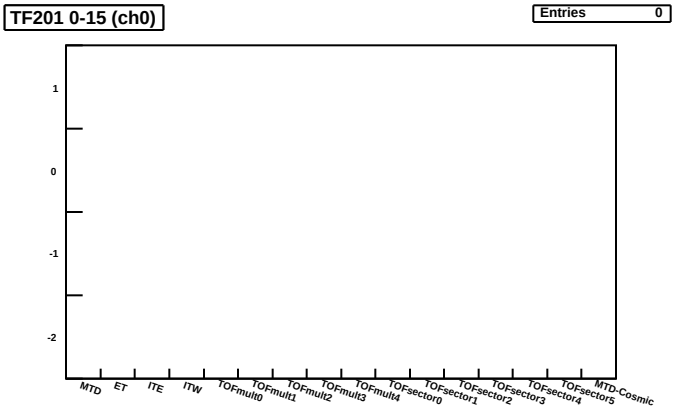

Input to FE003 QT board
Entries1488832
ADC
channel


Input to FE004 QT board
Entries1488832
ADC
channel

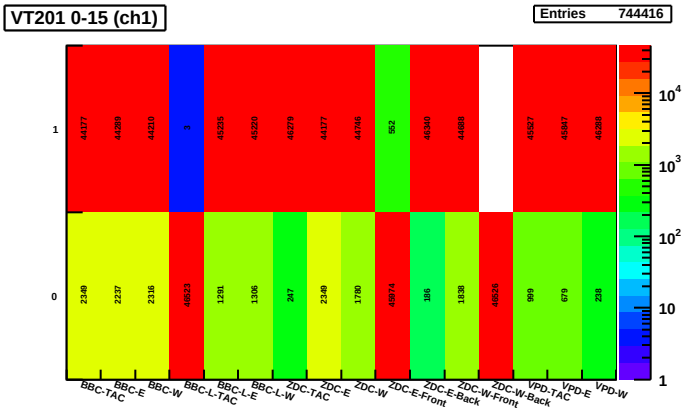
TF201 0-15 (ch0)



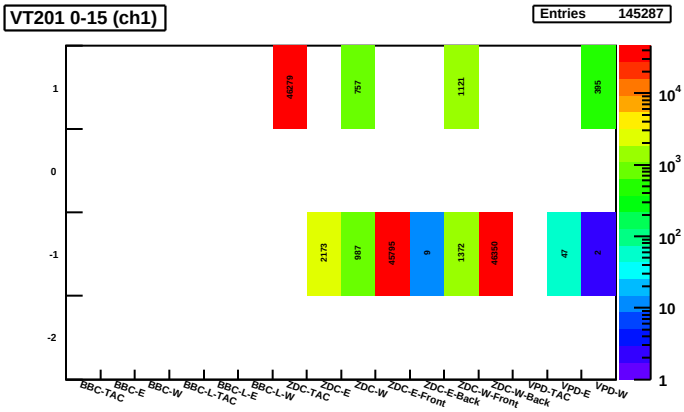
TF201 0-15 (ch0)



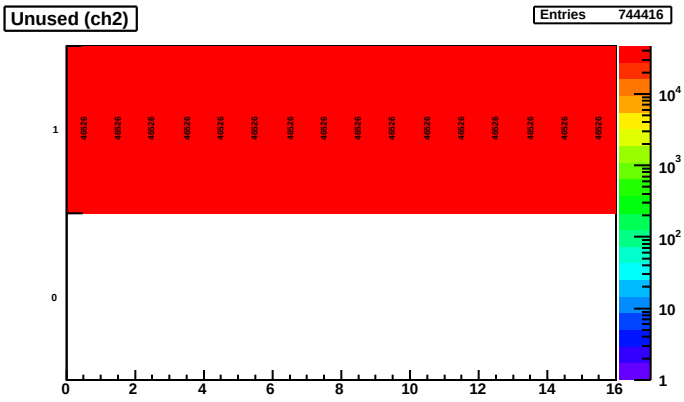
VT201 0-15 (ch1)

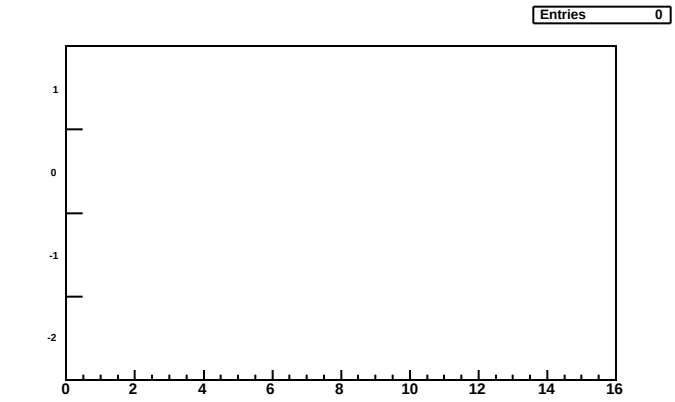


VT201 0-15 (ch1)

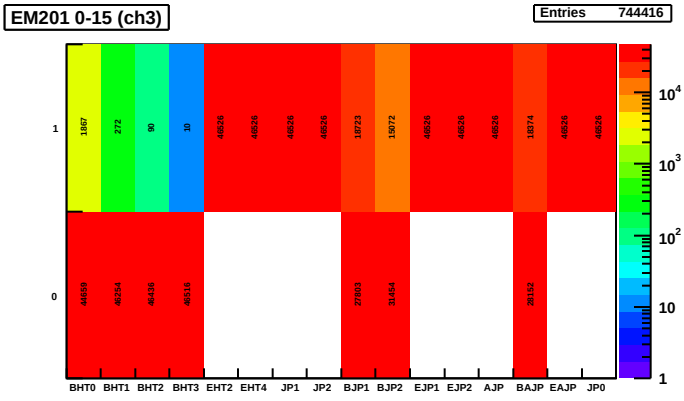


Unused (ch2)

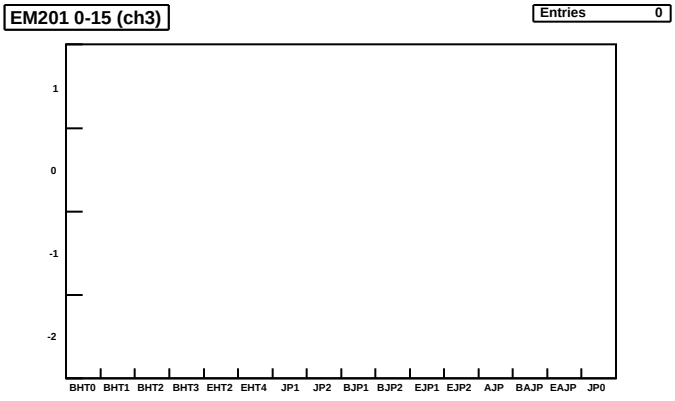




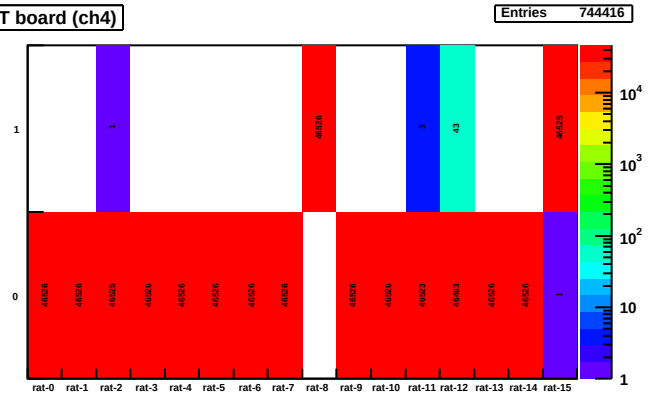
EM201 0-15 (ch3)

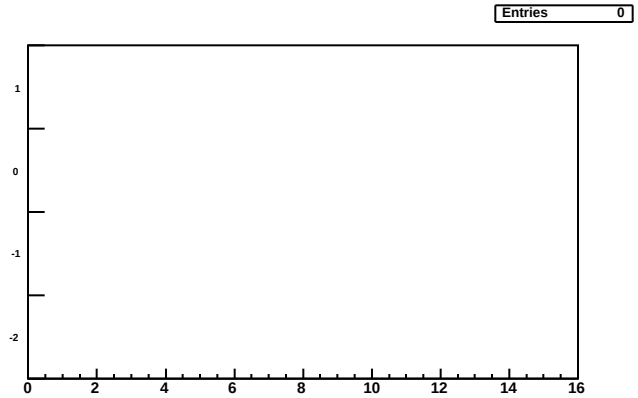


EM201 0-15 (ch3)

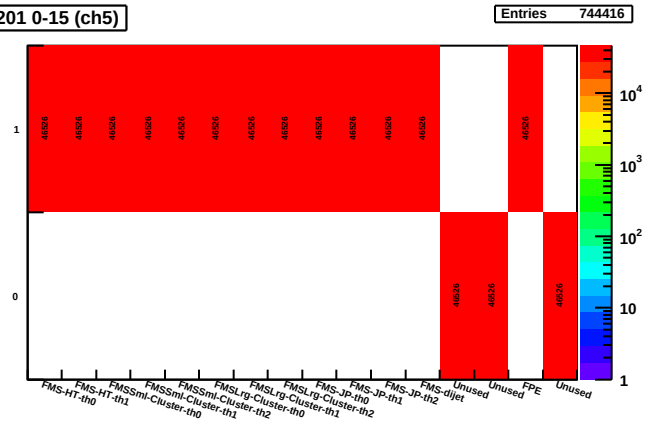


RAT board (ch4)

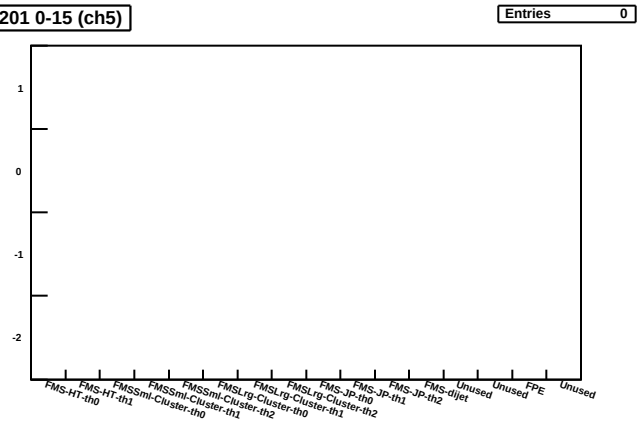




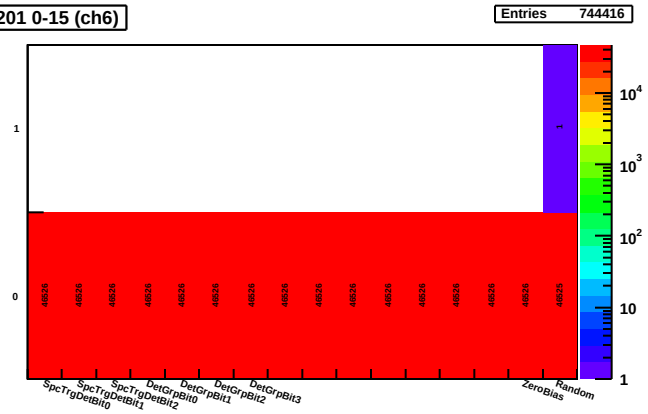
FP201 0-15 (ch5)

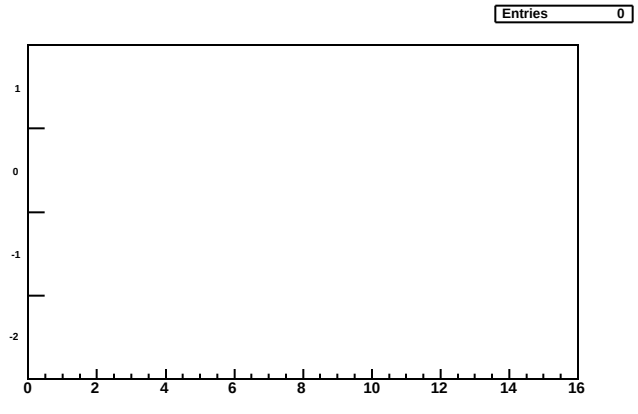
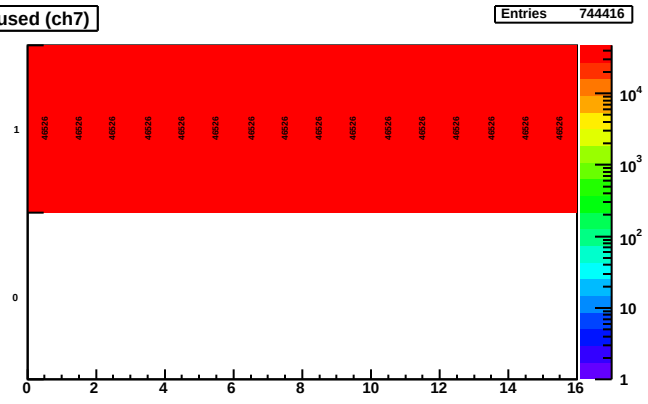
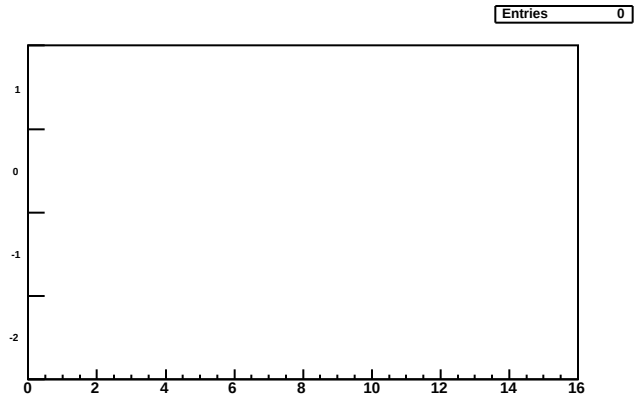


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)