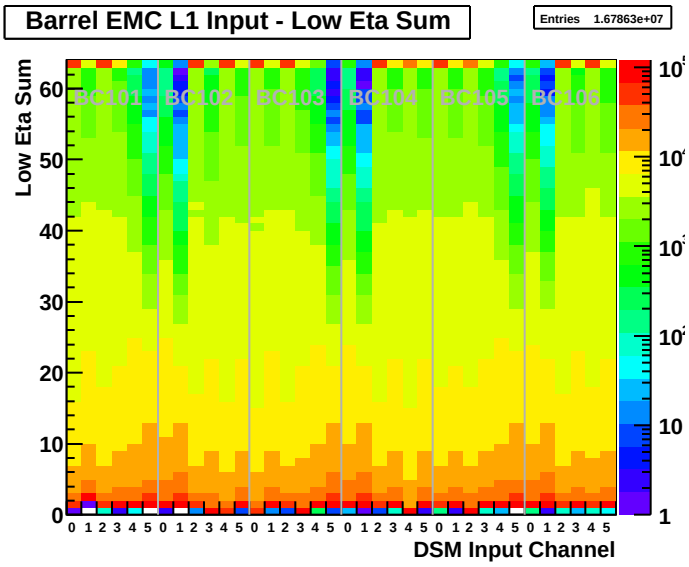
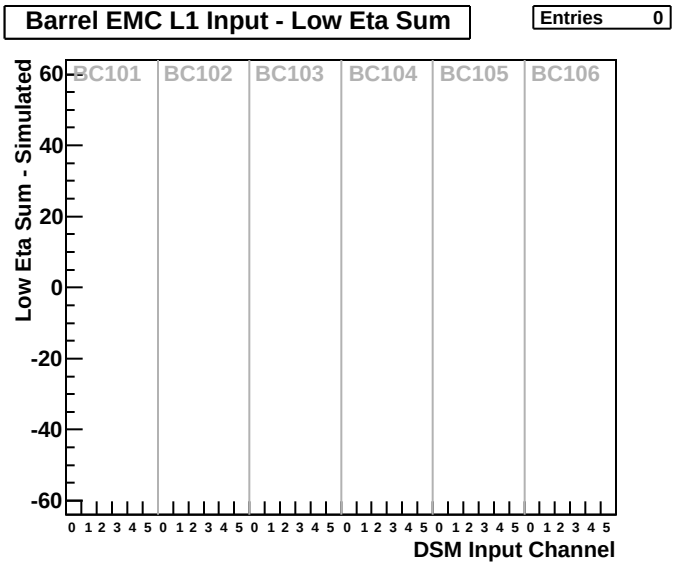
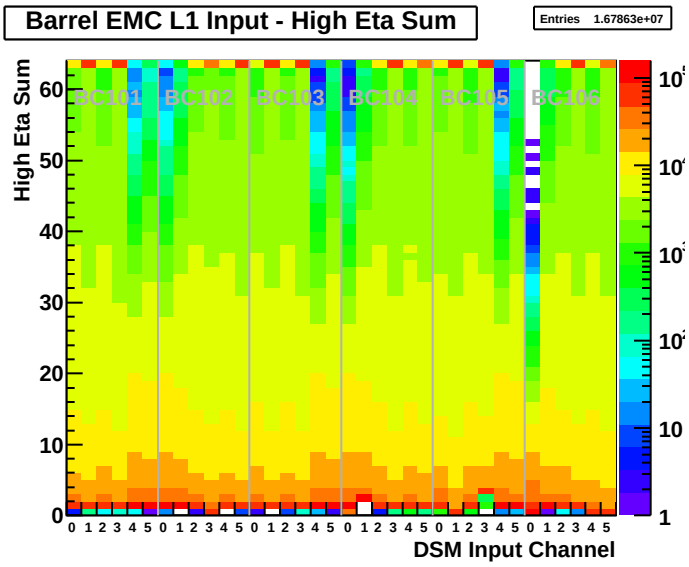
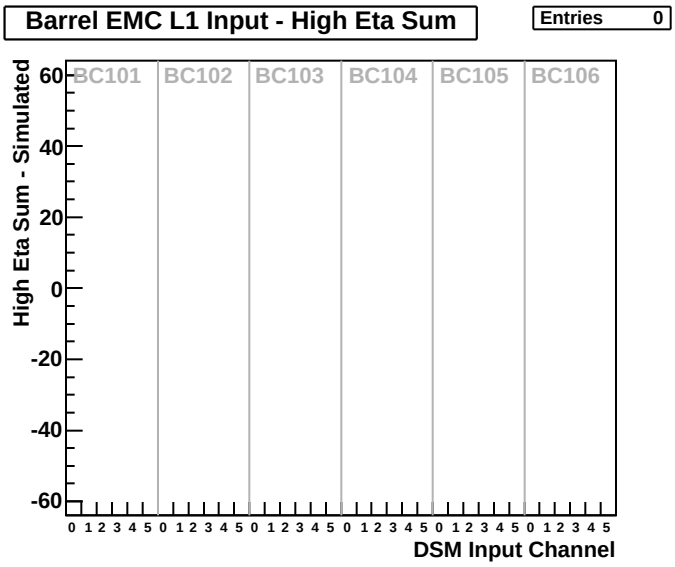
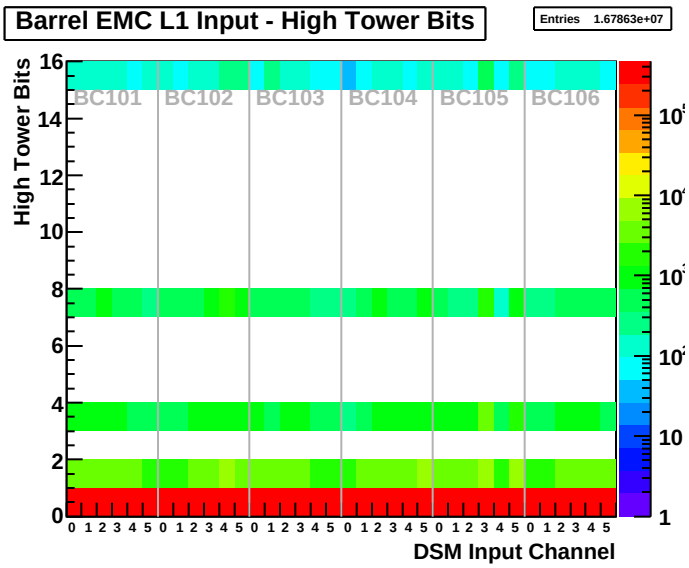
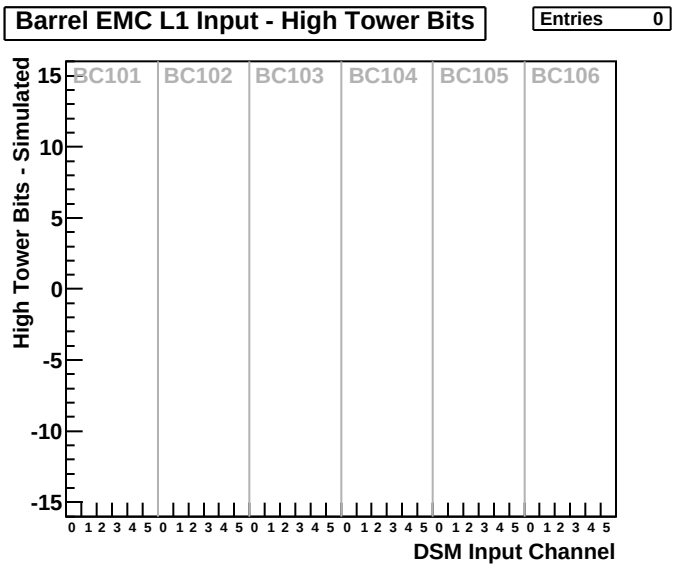

Barrel EMC L1 Input - Low Eta Sum
Entries 1.67863e+07
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

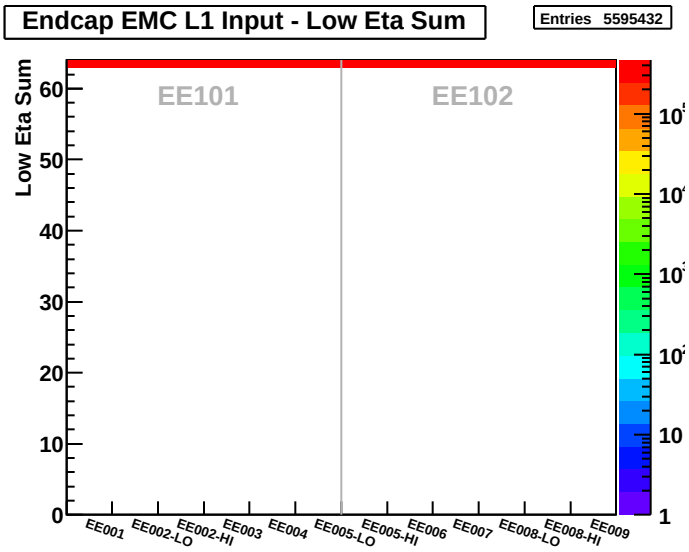

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

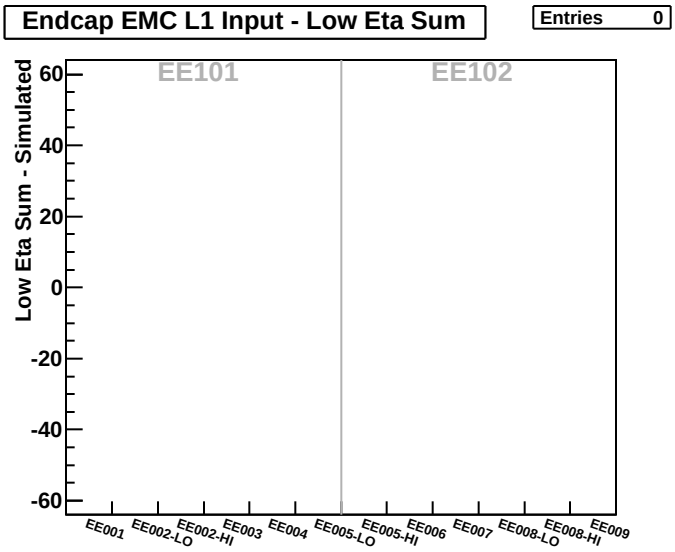

Barrel EMC L1 Input - High Eta Sum
Entries 1.67863e+07
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

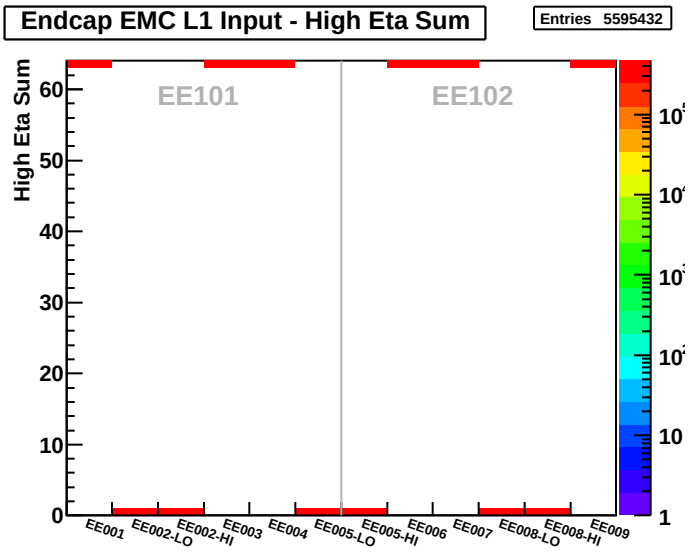

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

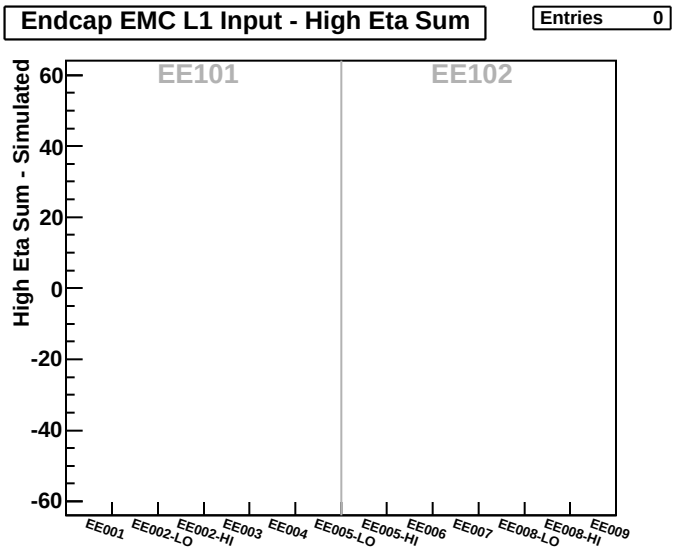

Barrel EMC L1 Input - High Tower Bits
Entries 1.67863e+07
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

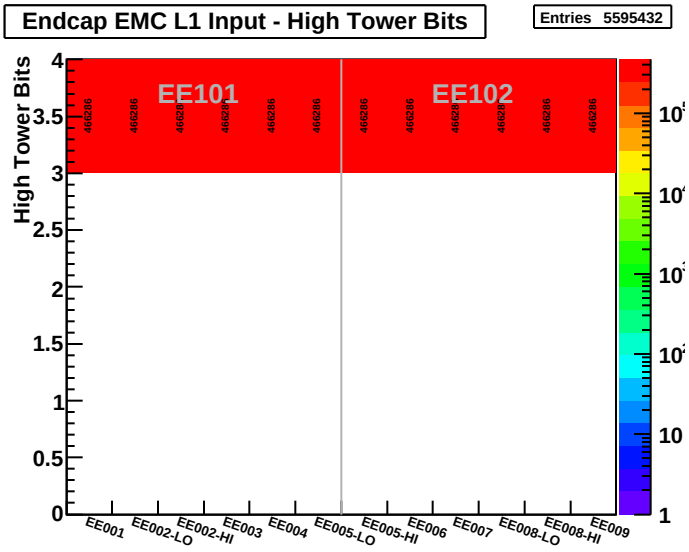

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

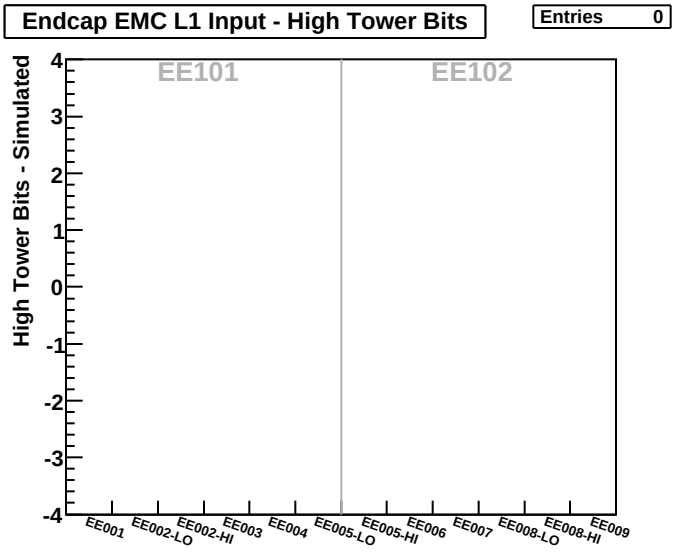

Endcap EMC L1 Input - Low Eta Sum
Entries 5595432
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

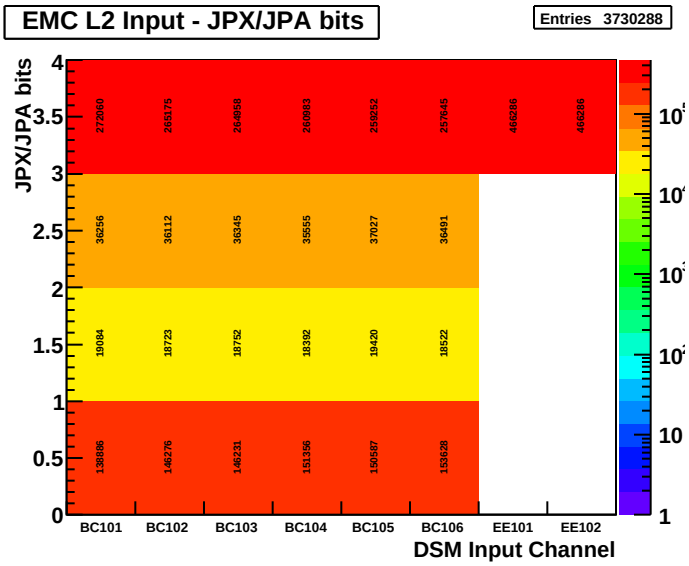

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

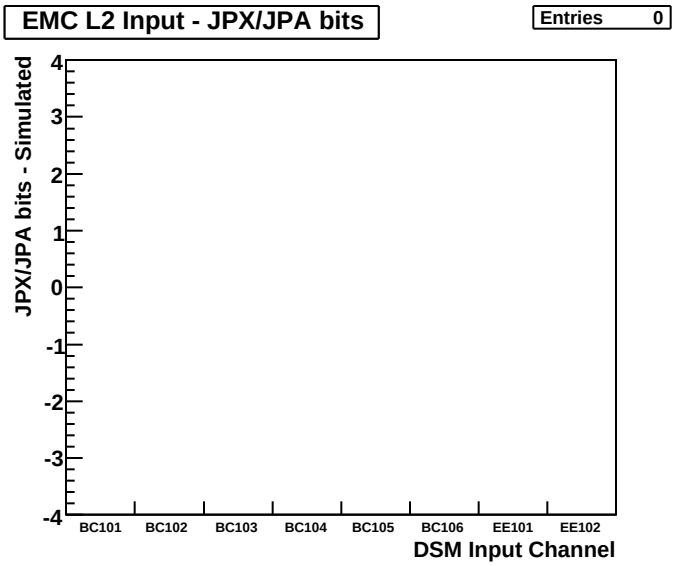

Endcap EMC L1 Input - High Eta Sum
Entries 5595432
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

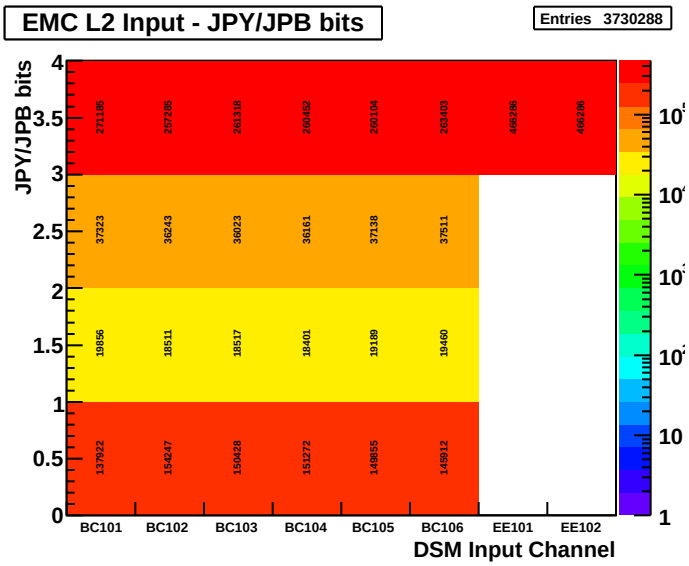

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

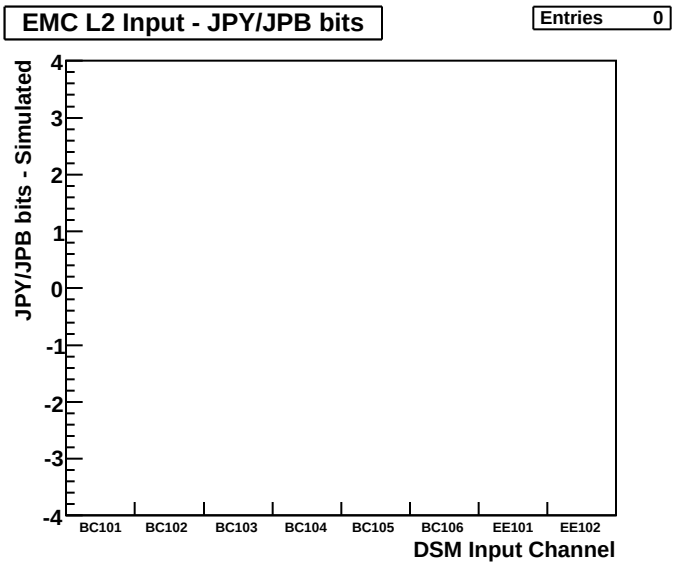

Endcap EMC L1 Input - High Tower Bits
Entries 5595432
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

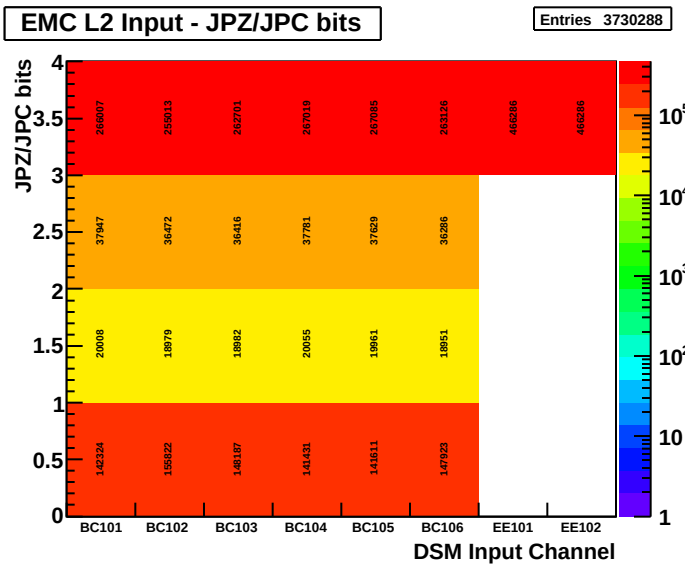

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

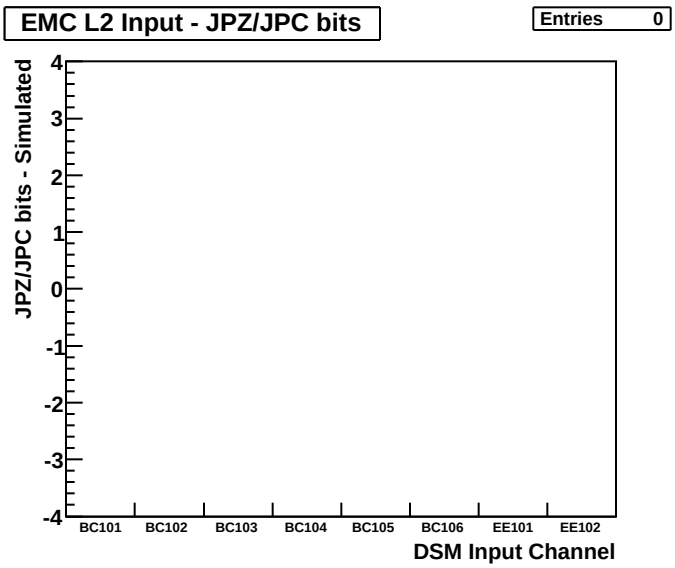

EMC L2 Input - JPX/JPA bits
Entries 3730288
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
272060 265175 264858 260983 259252 257845 466286 466286
36256 36112 36345 35555 37027 36491
19084 18723 18752 18392 19420 18522
138886 146276 146231 151356 150587 153628

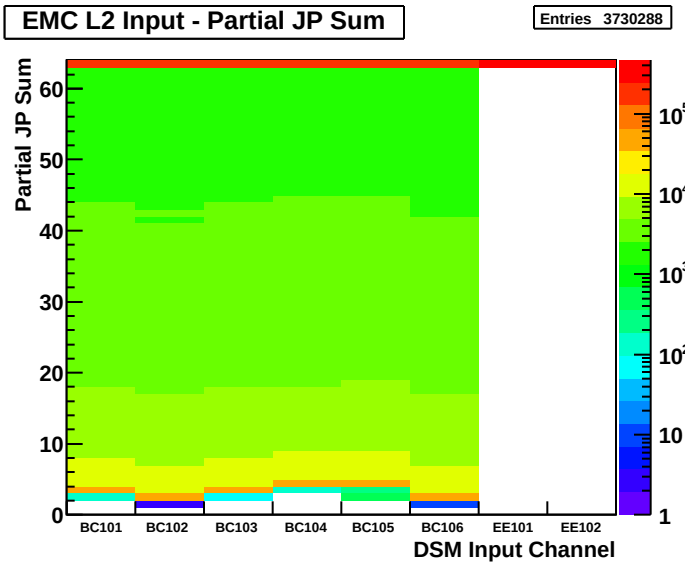

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

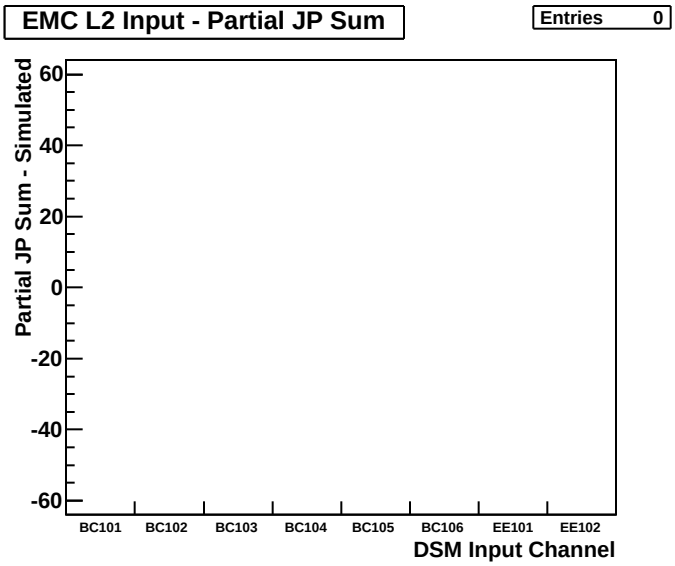

EMC L2 Input - JPY/JPB bits
Entries 3730288
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
271185 257285 261318 260452 260104 263403 466286 466286
37323 36243 36023 36161 37138 37511
19856 18511 18517 18401 19189 19460
137922 154247 150428 151272 149855 149912

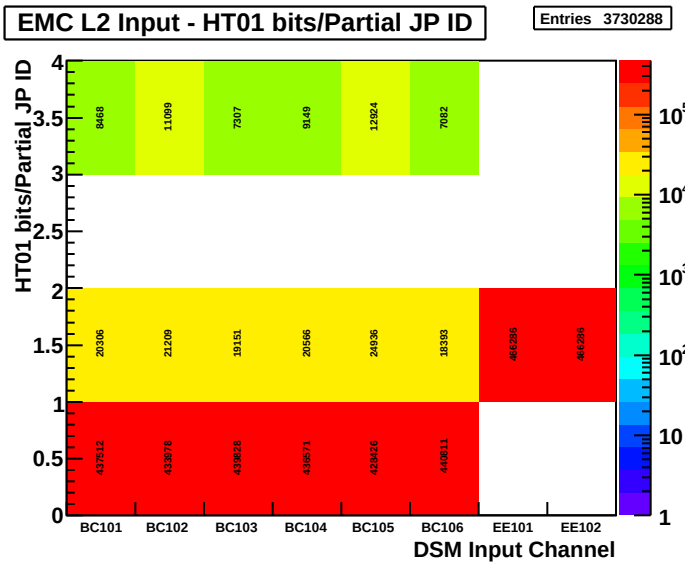

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

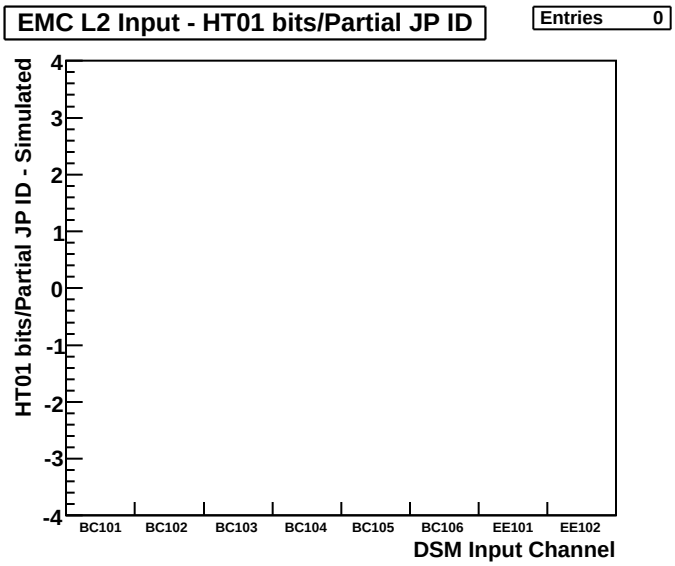

EMC L2 Input - JPZ/JPC bits
Entries 3730288
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
268007 255013 262701 267019 267085 263126 466286 466286
37947 36472 36416 37781 37629 36286
20008 18979 18982 20055 19961 18951
142324 155822 148187 141431 141611 147923

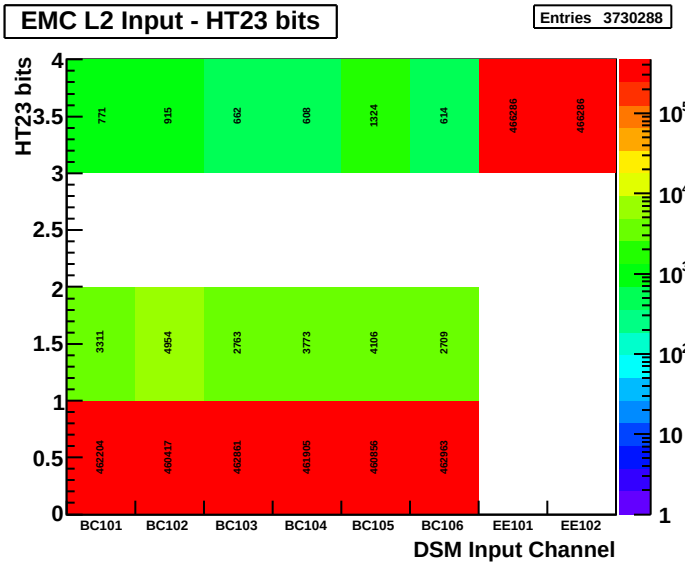

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

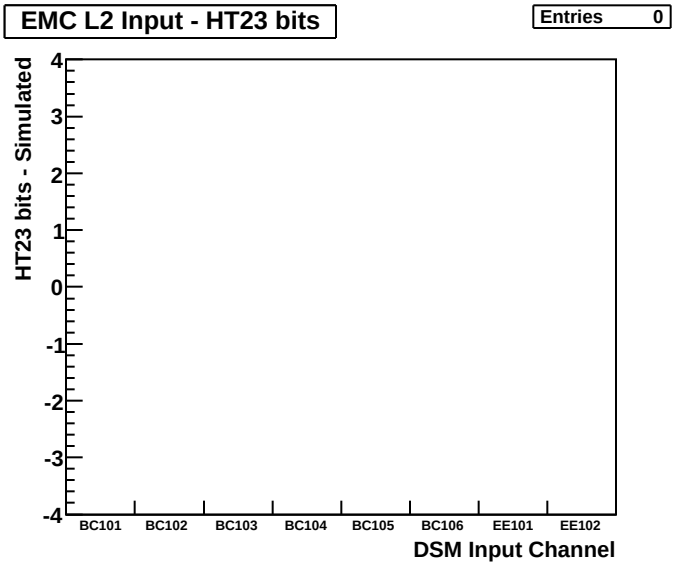

EMC L2 Input - Partial JP Sum
Entries 3730288
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

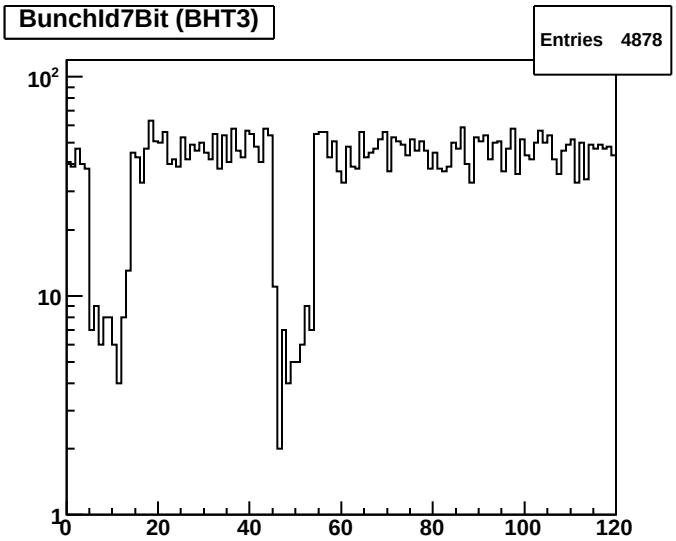

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

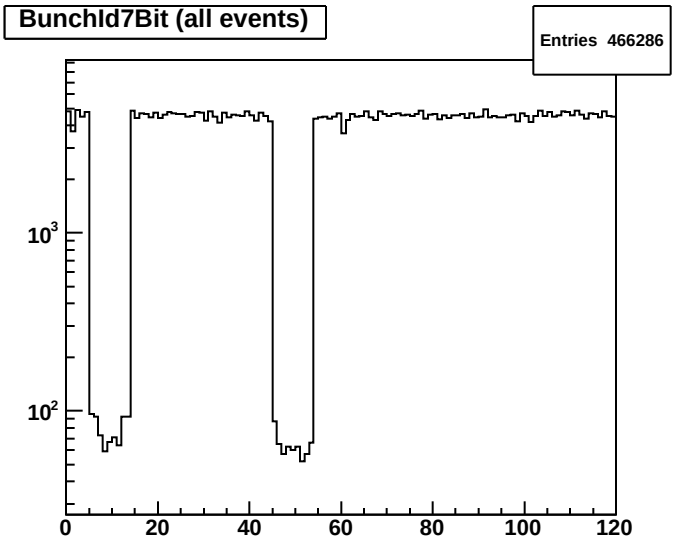

EMC L2 Input - HT01 bits/Partial JP ID
Entries 3730288
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

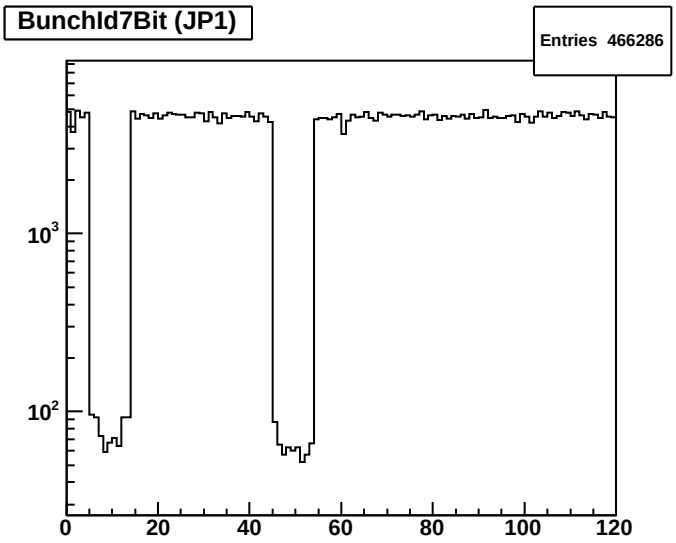

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

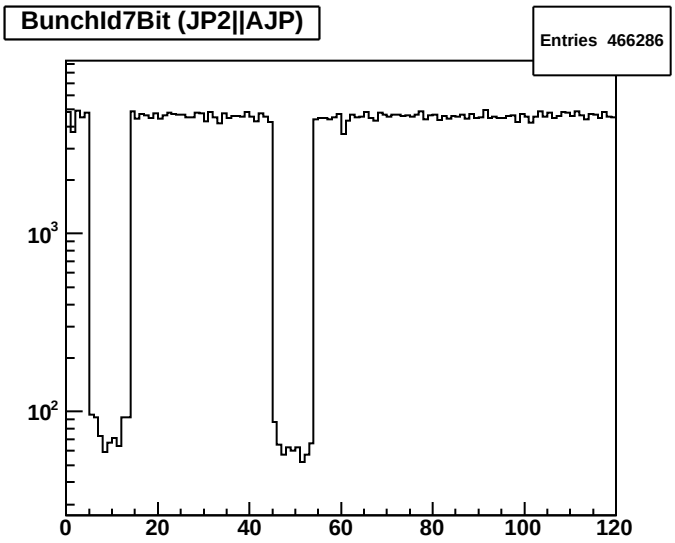

EMC L2 Input - HT23 bits
Entries 3730288
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

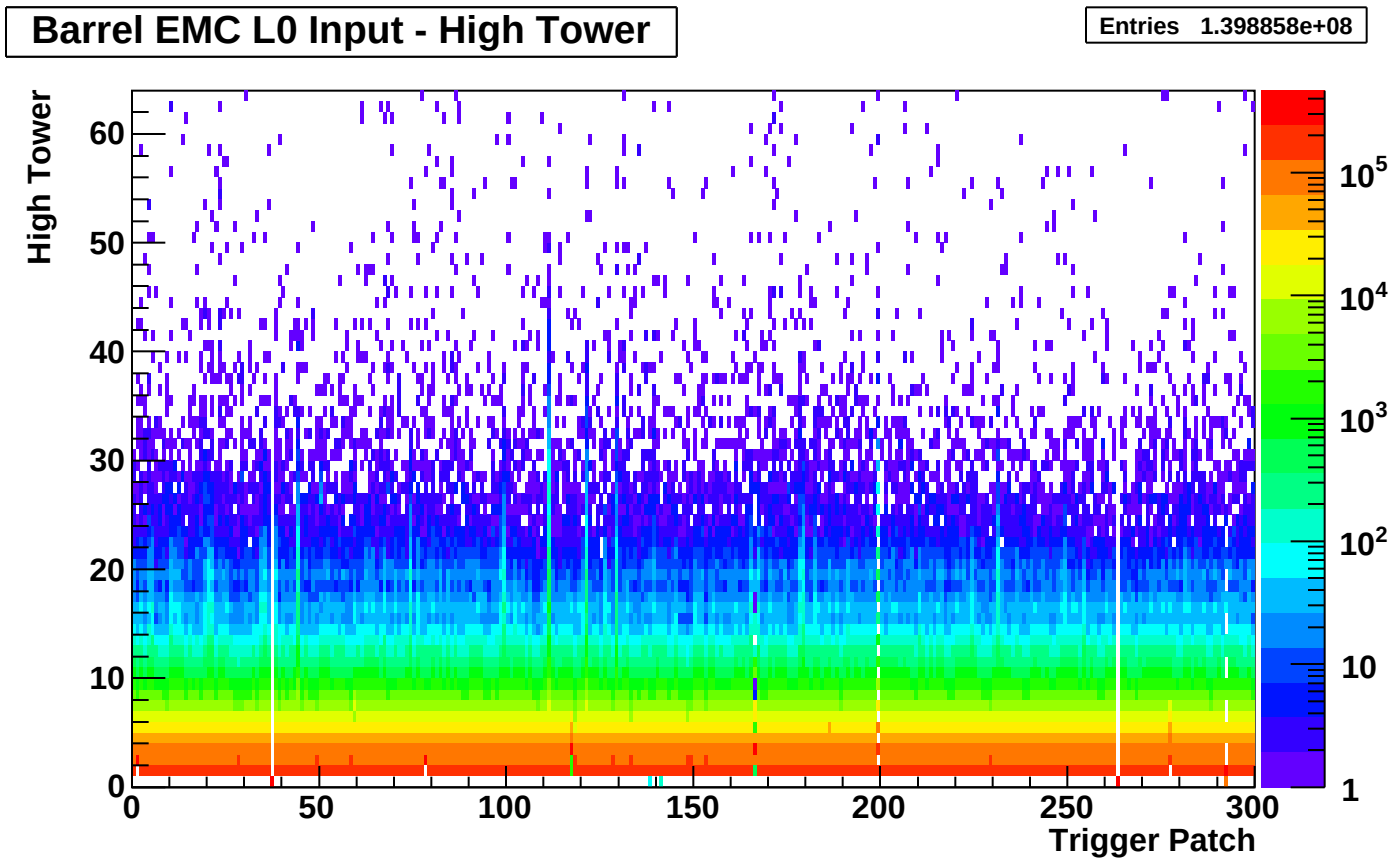

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

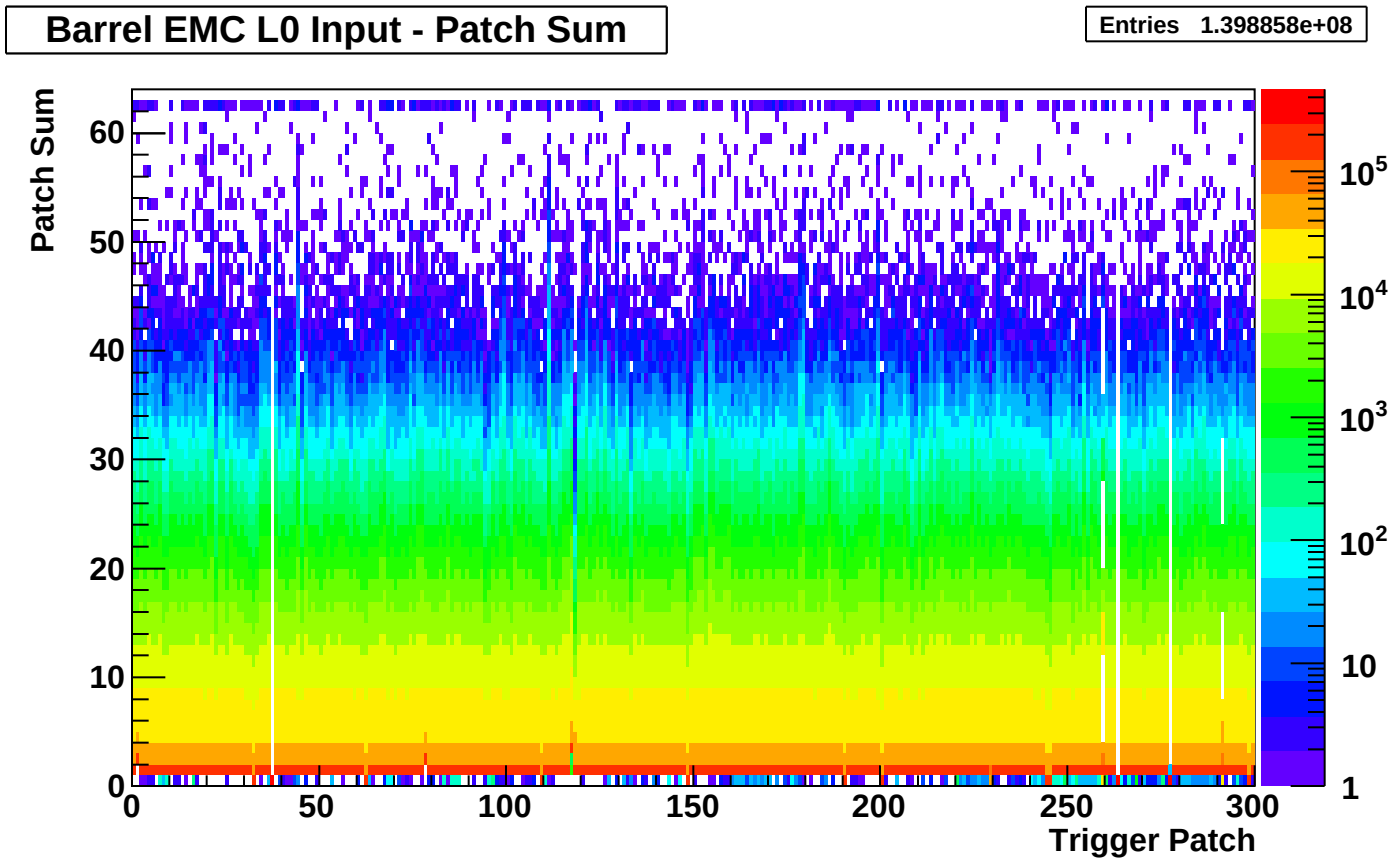

BunchId7Bit (BHT3)
Entries 4878
10^2
10
1
0
20
40
60
80
100
120

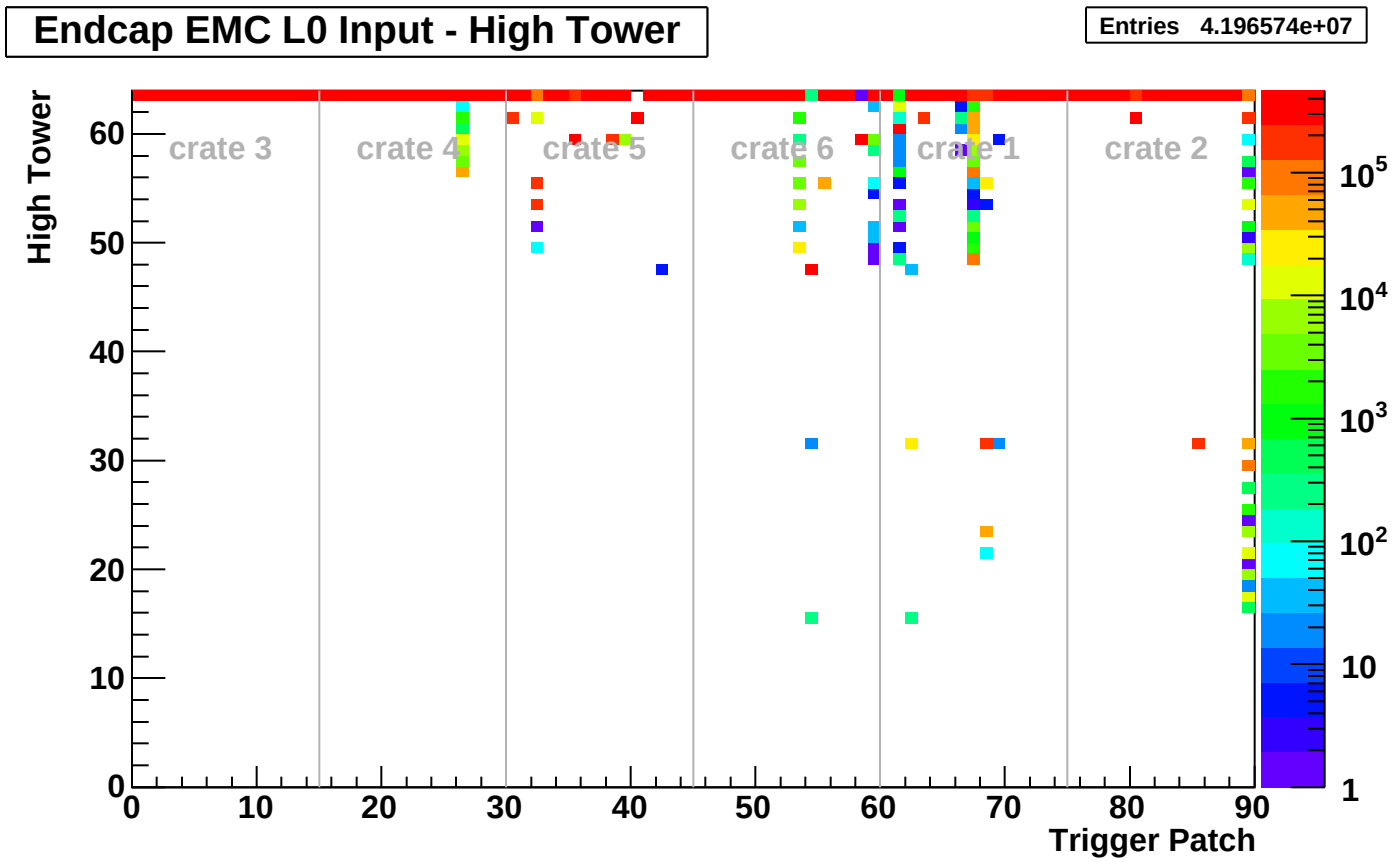

BunchId7Bit (all events)
Entries 466286
10^3
10^2
0
20
40
60
80
100
120

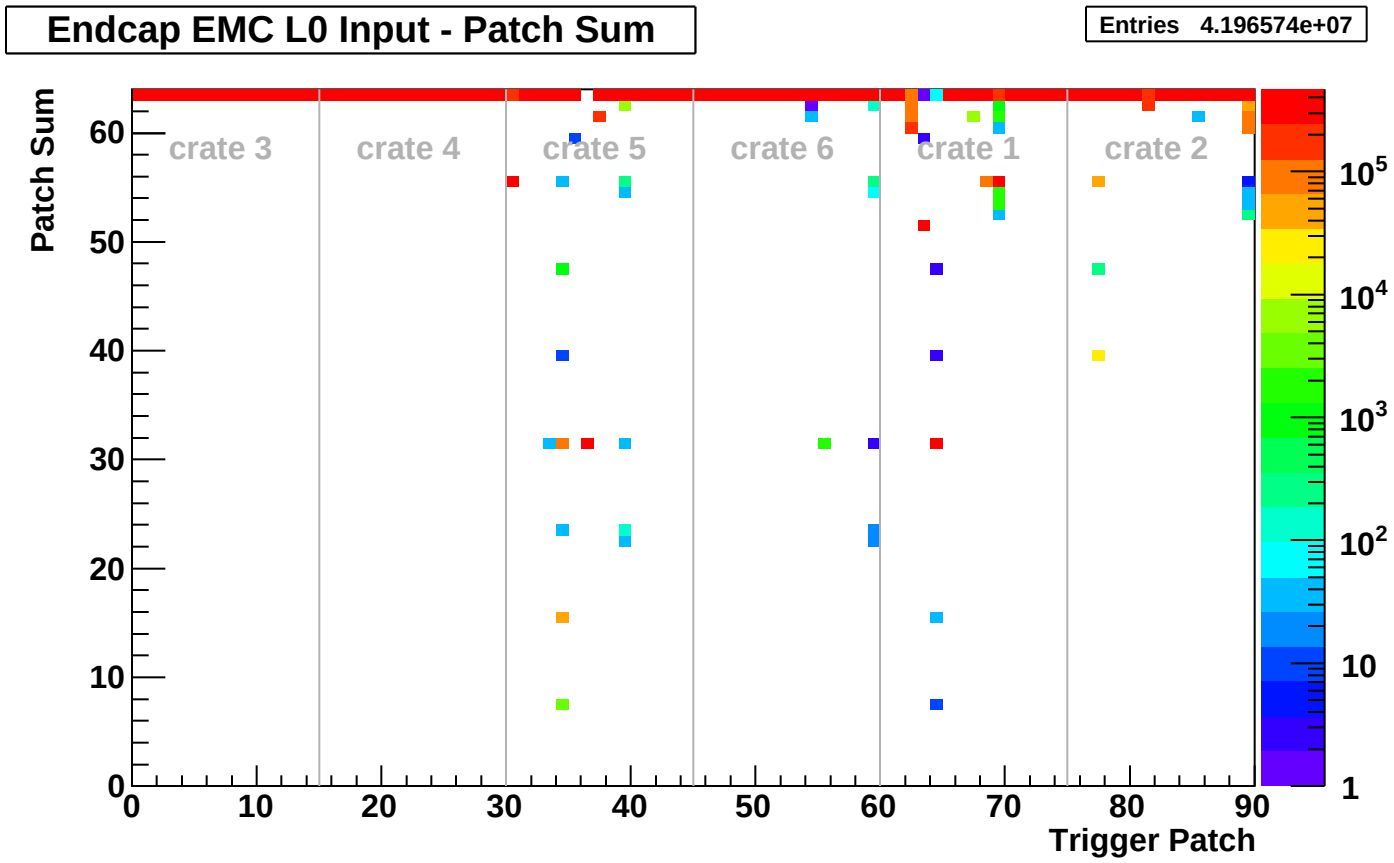

BunchId7Bit (JP1)
Entries 466286
10^3
10^2
0
20
40
60
80
100
120

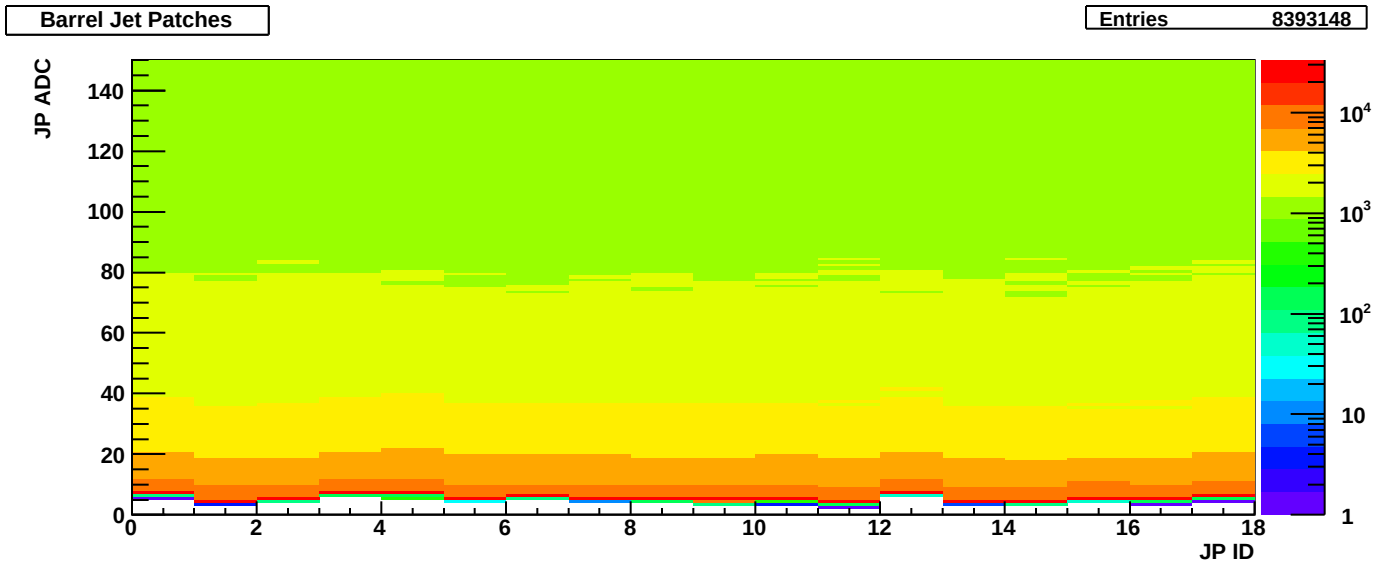

BunchId7Bit (JP2||AJP)
Entries 466286
10^3
10^2
0
20
40
60
80
100
120

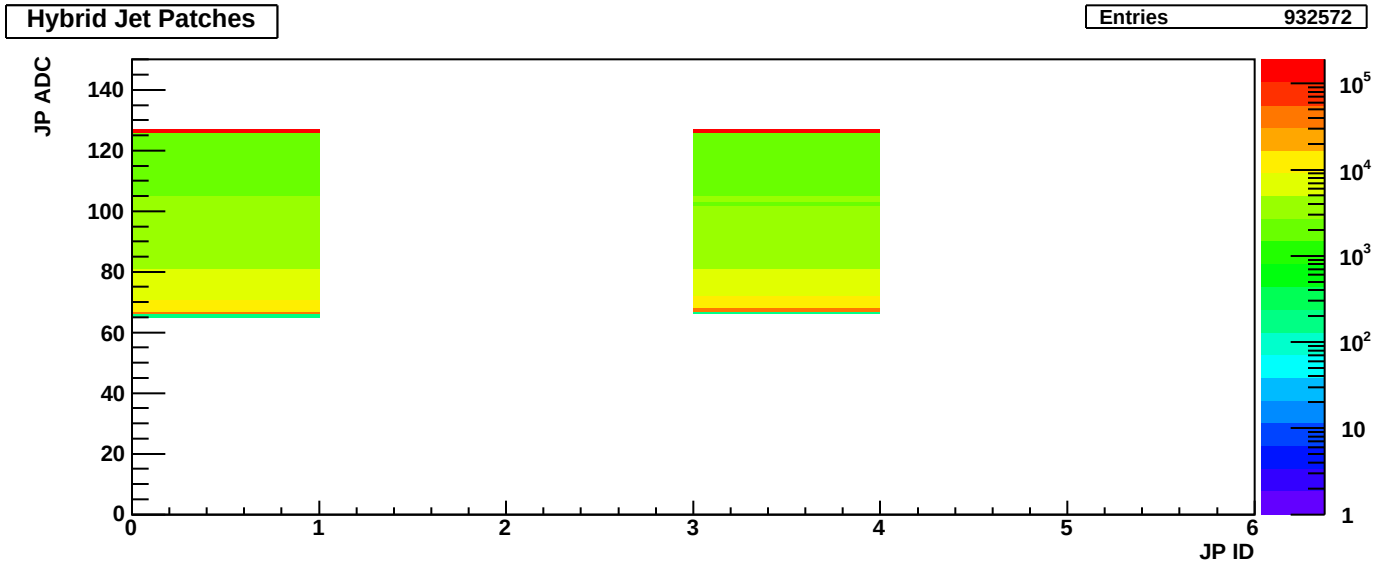

Barrel EMC L0 Input - High Tower
Entries 1.398858e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

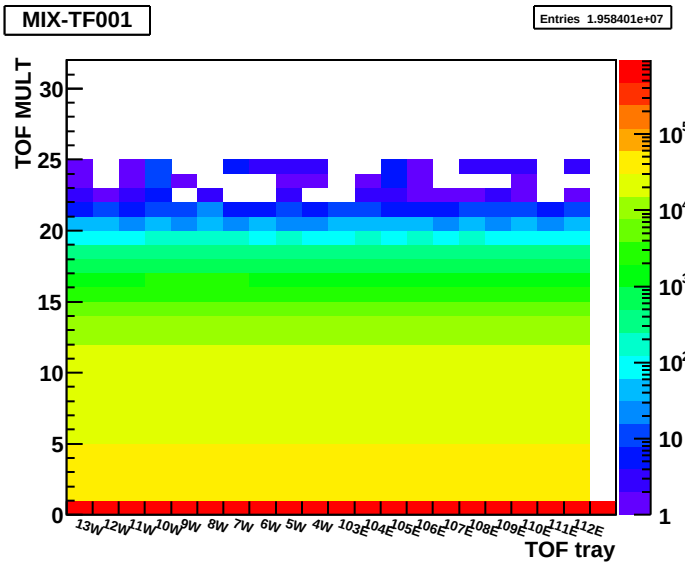

Barrel EMC L0 Input - Patch Sum
Entries 1.398858e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

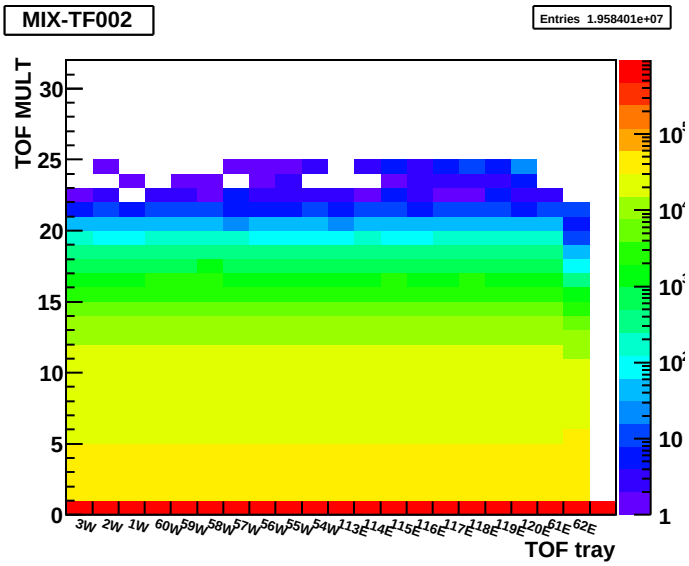

Endcap EMC L0 Input - High Tower
Entries 4.196574e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

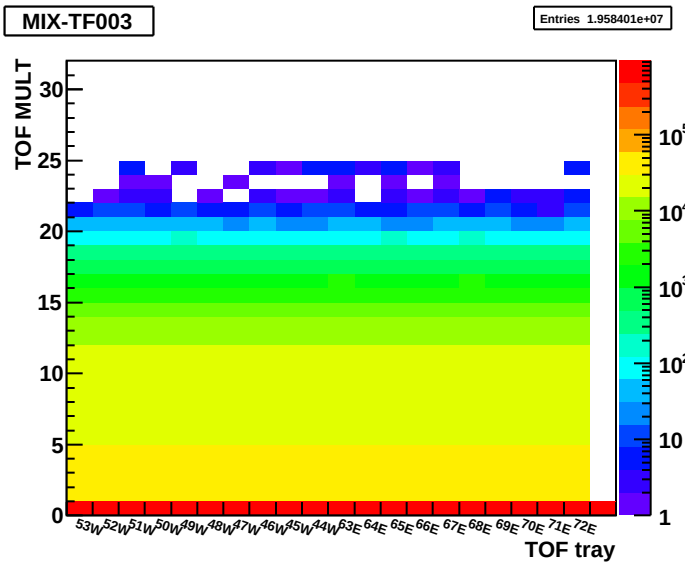

Endcap EMC L0 Input - Patch Sum
Entries 4.196574e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

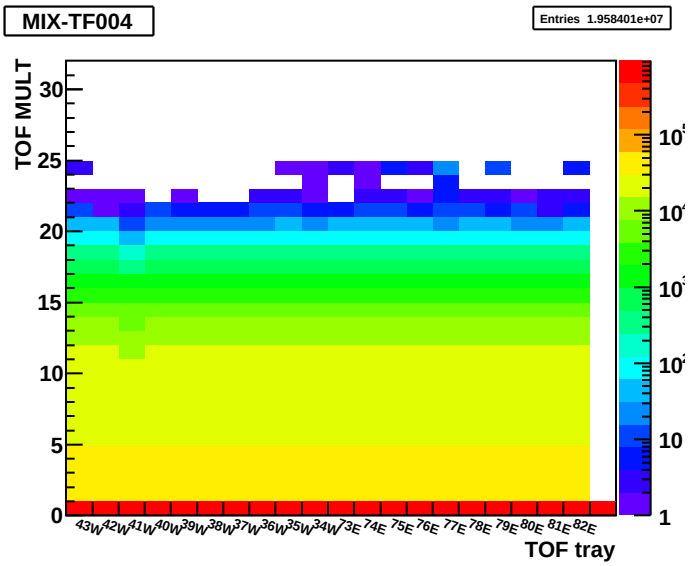

Barrel Jet Patches
Entries 8393148
JP ADC
JP ID

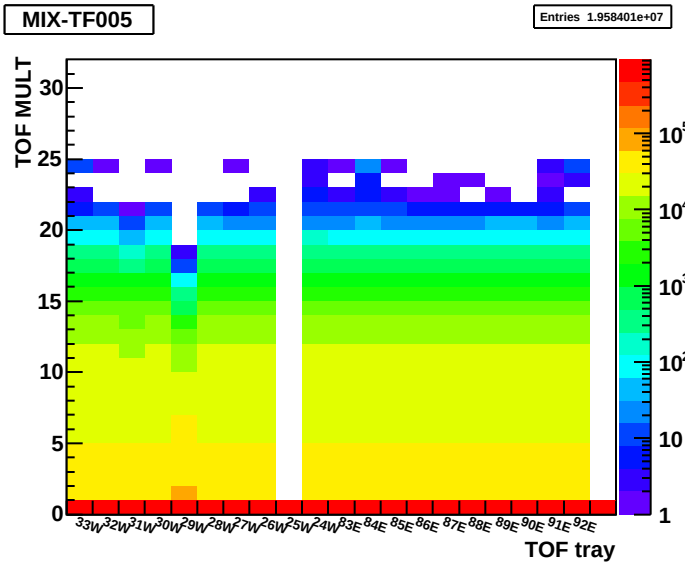

Hybrid Jet Patches
Entries 932572
JP ADC
JP ID

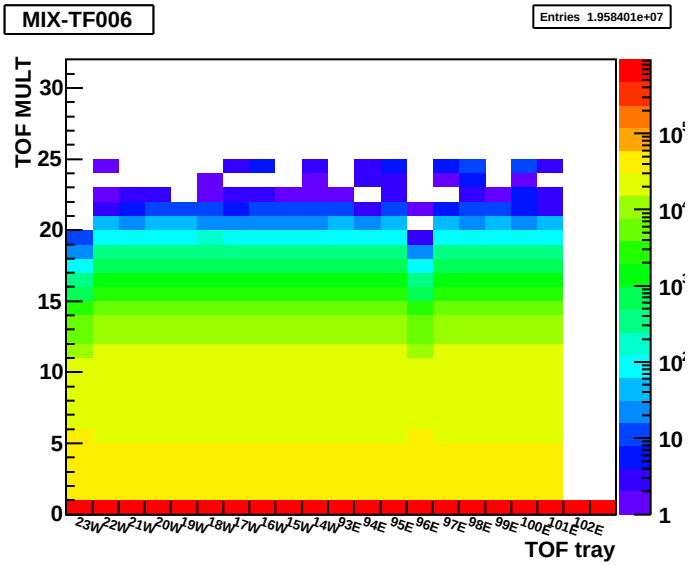

MIX-TF001
Entries 1.958401e+07
TOF MULT
TOF tray

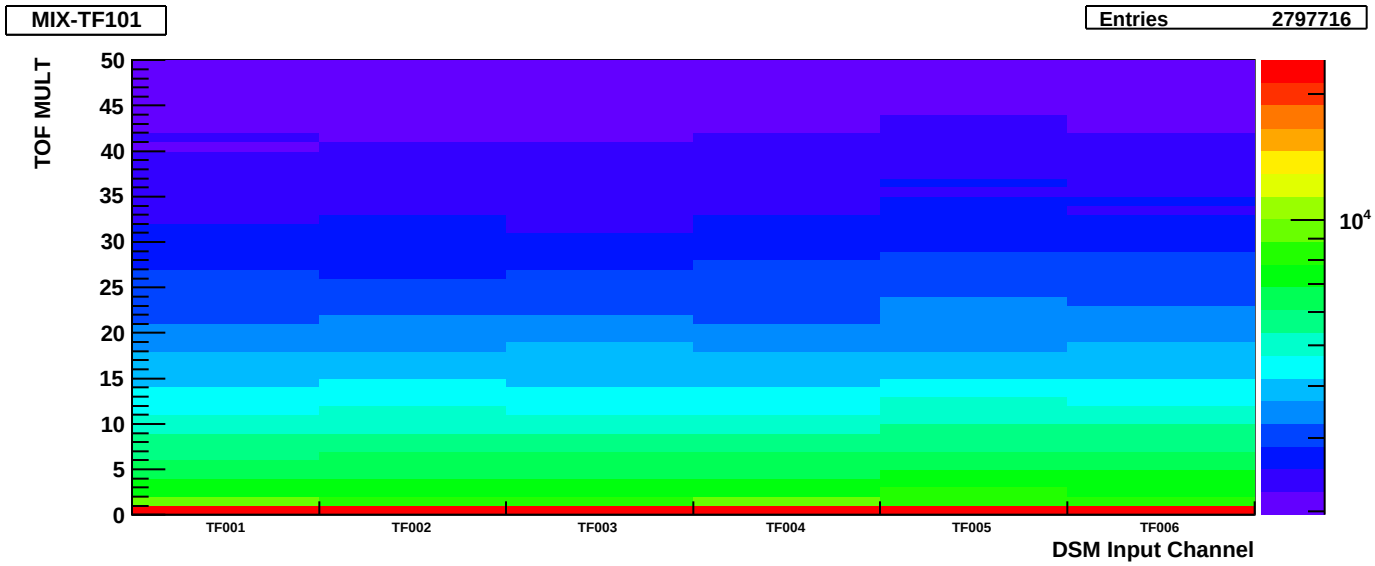

MIX-TF002
Entries 1.958401e+07
TOF MULT
TOF tray

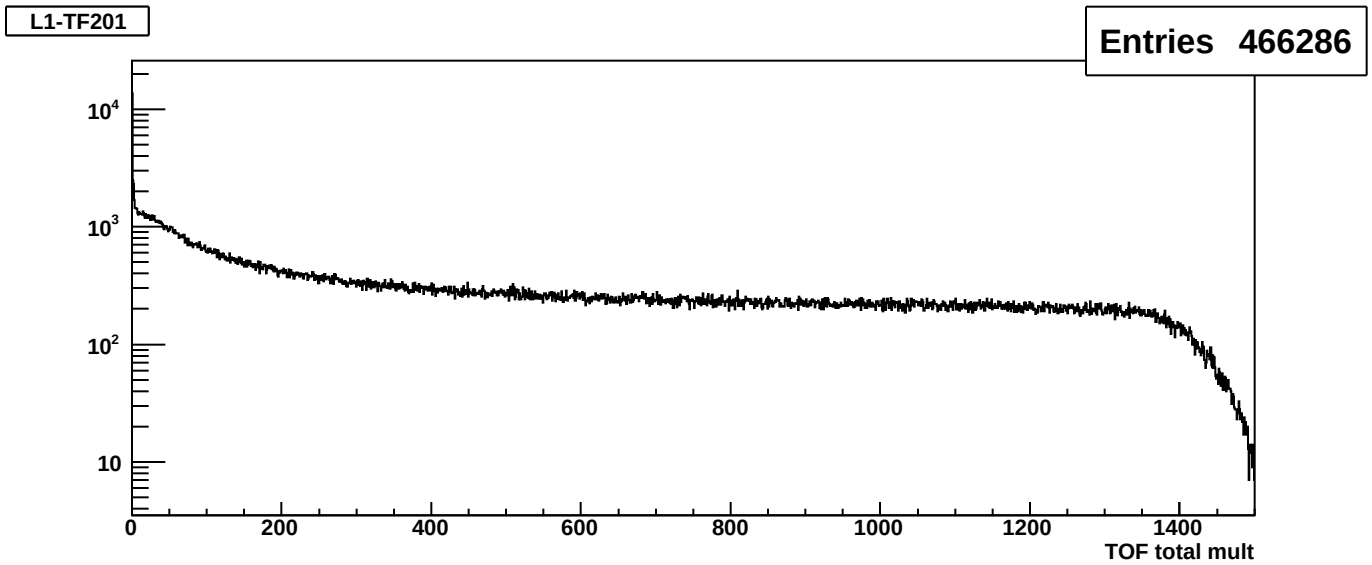

MIX-TF003
Entries 1.958401e+07
TOF MULT
TOF tray

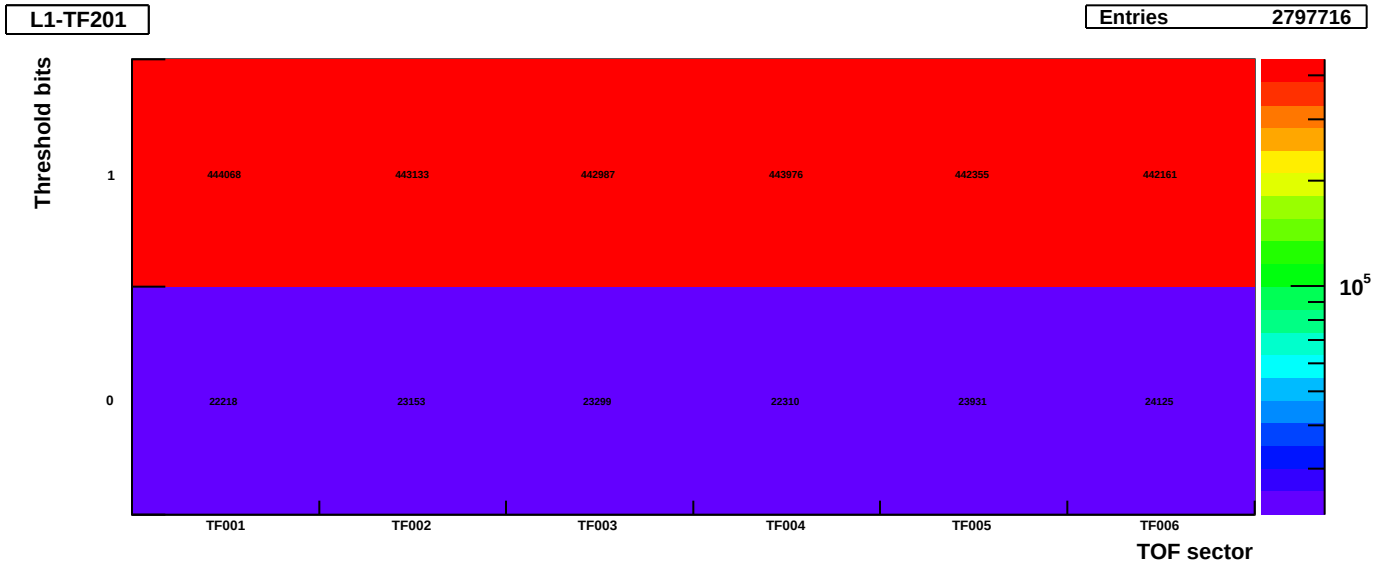

MIX-TF004
Entries 1.958401e+07
TOF MULT
TOF tray

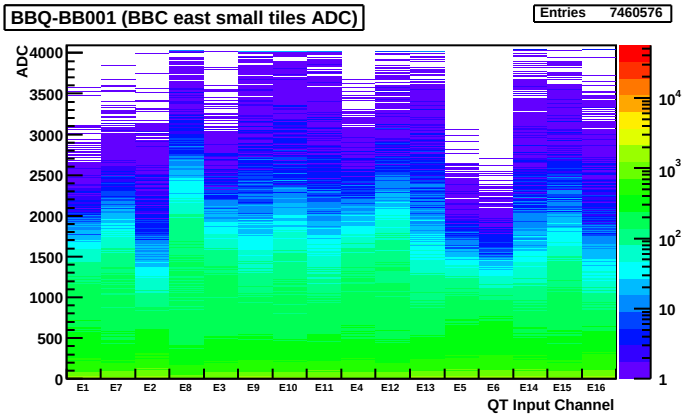

MIX-TF005
Entries 1.958401e+07
TOF MULT
TOF tray

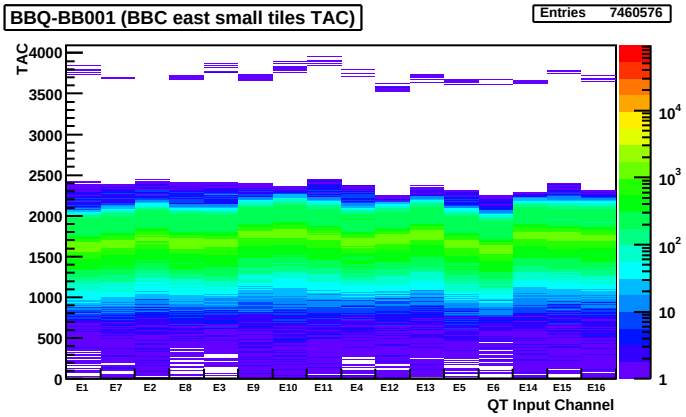

MIX-TF006
Entries 1.958401e+07
TOF MULT
TOF tray

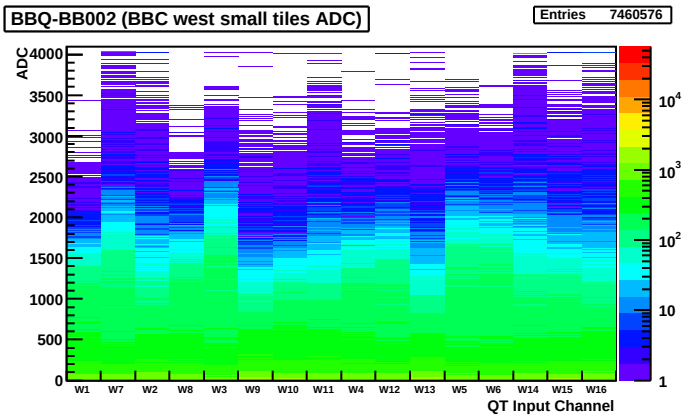

MIX-TF101
Entries 2797716
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

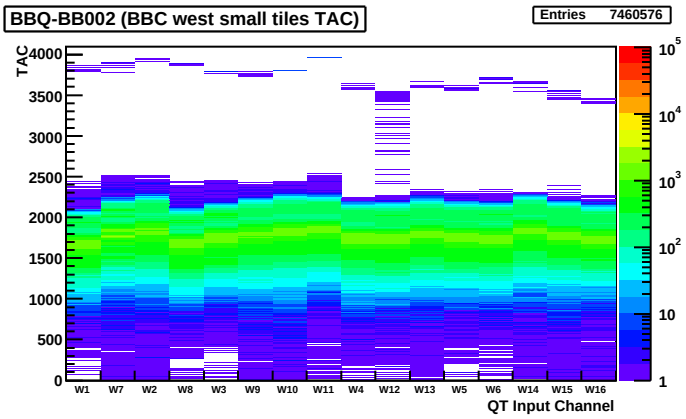

L1-TF201
Entries 466286
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

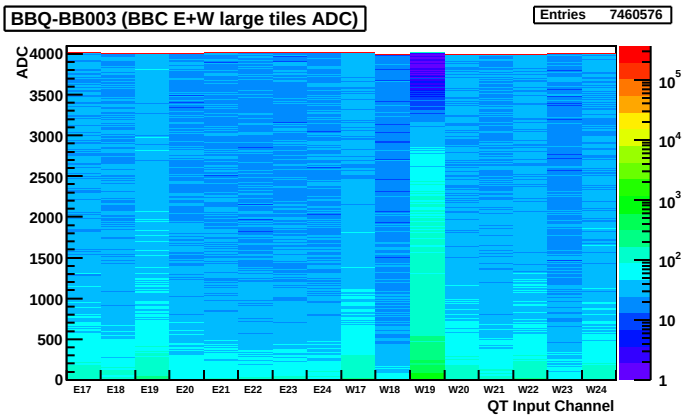

L1-TF201
Entries 2797716
Threshold bits
1
0
444068
443133
442987
443976
442355
442161
22218
23153
23299
22310
23931
24125
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

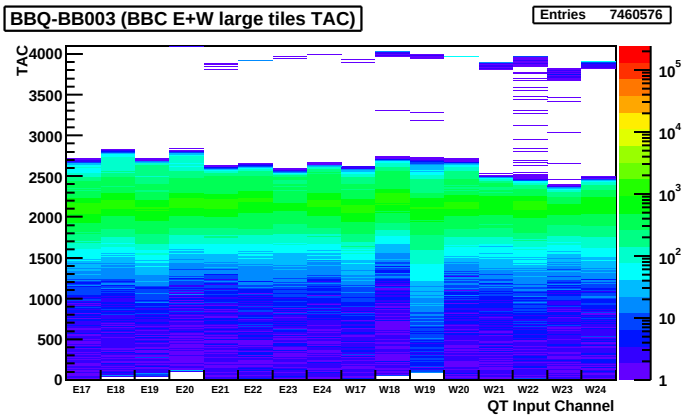

BBQ-BB001 (BBC east small tiles ADC)
Entries 7460576
ADC
QT Input Channel

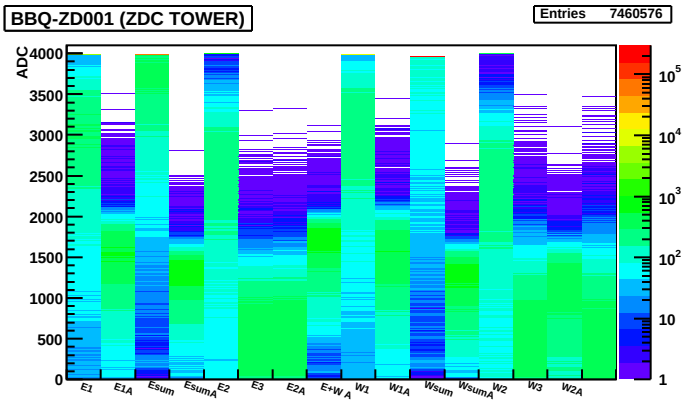

BBQ-BB001 (BBC east small tiles TAC)
Entries 7460576
TAC
QT Input Channel

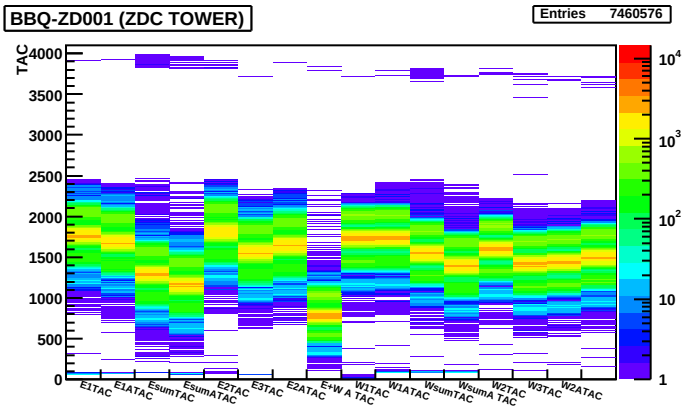

BBQ-BB002 (BBC west small tiles ADC)
Entries 7460576
ADC
QT Input Channel

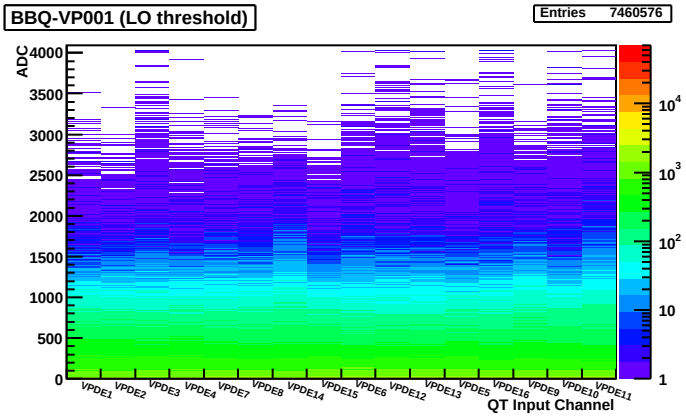

BBQ-BB002 (BBC west small tiles TAC)
Entries 7460576
TAC
QT Input Channel

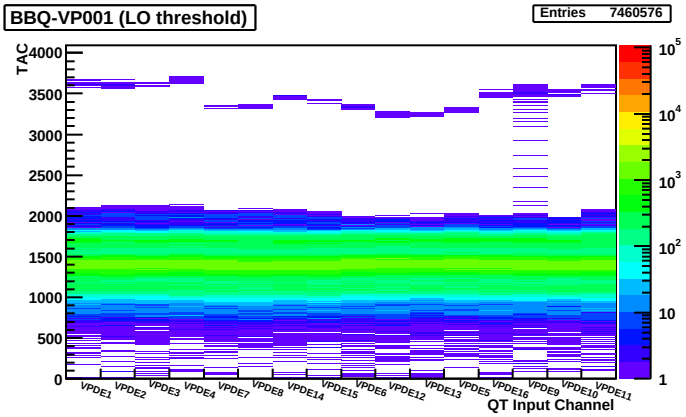

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 7460576
ADC
QT Input Channel

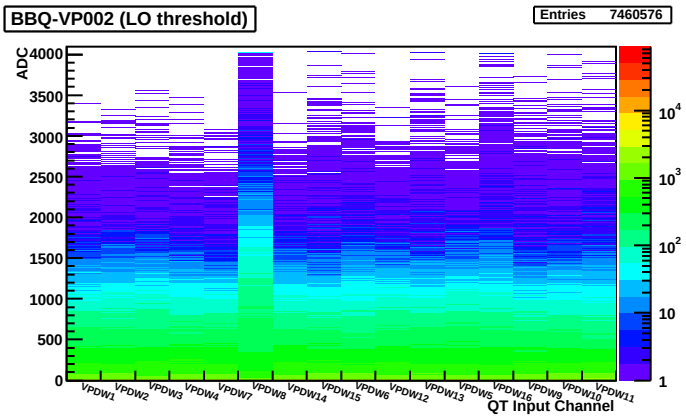

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 7460576
TAC
QT Input Channel

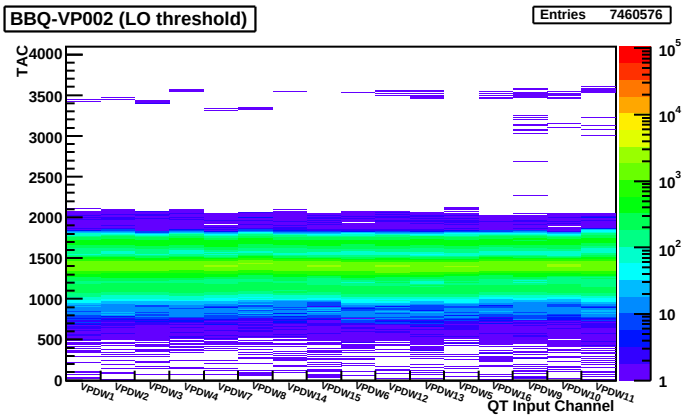

BBQ-ZD001 (ZDC TOWER)
Entries 7460576
ADC

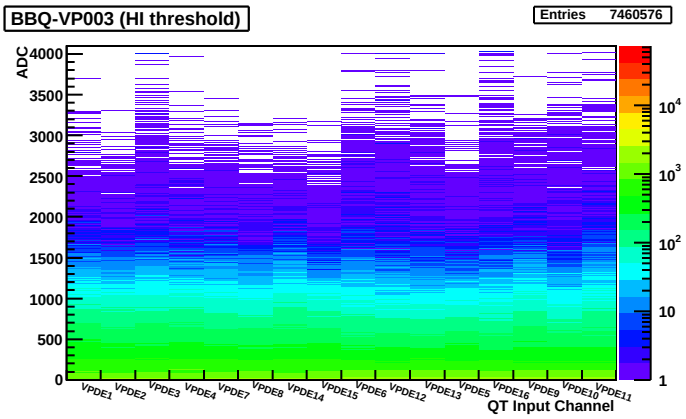

BBQ-ZD001 (ZDC TOWER)
Entries 7460576
TAC

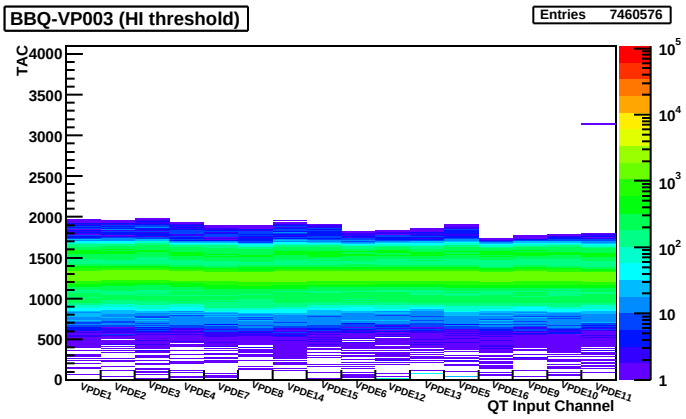

BBQ-VP001 (LO threshold)
Entries 7460576
ADC
QT Input Channel

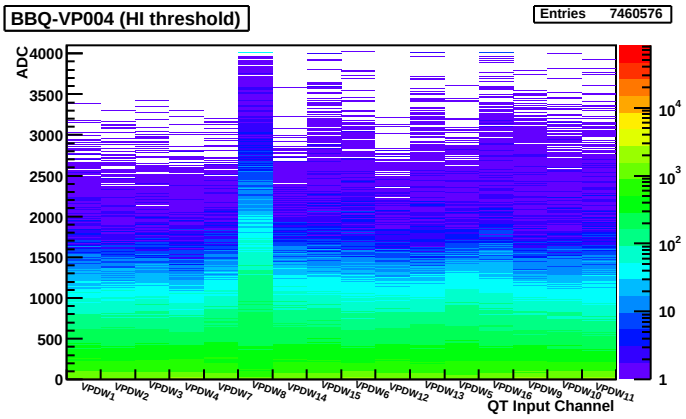

BBQ-VP001 (LO threshold)
Entries 7460576
TAC
QT Input Channel

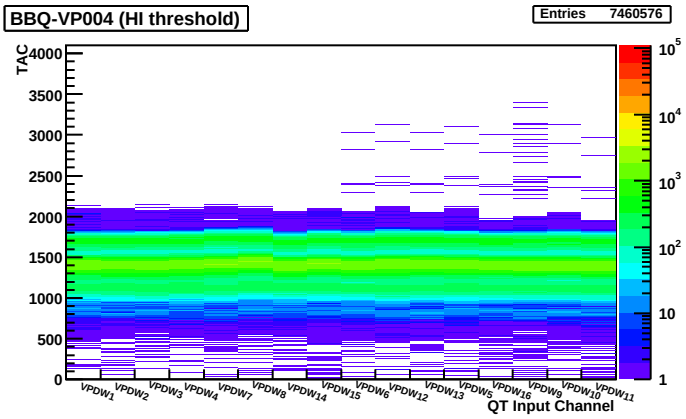

BBQ-VP002 (LO threshold)
Entries 7460576
ADC
QT Input Channel

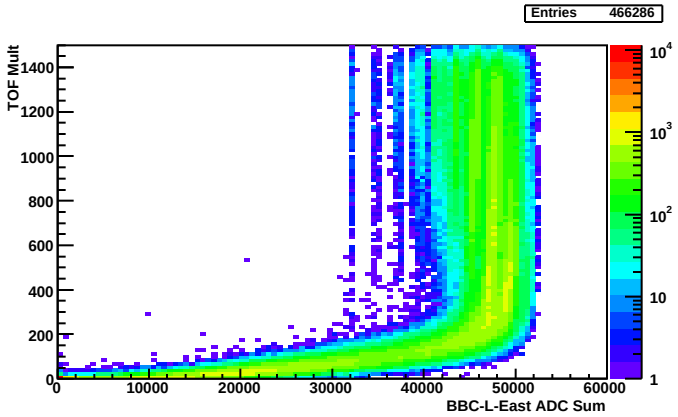

BBQ-VP002 (LO threshold)
Entries 7460576
TAC
QT Input Channel

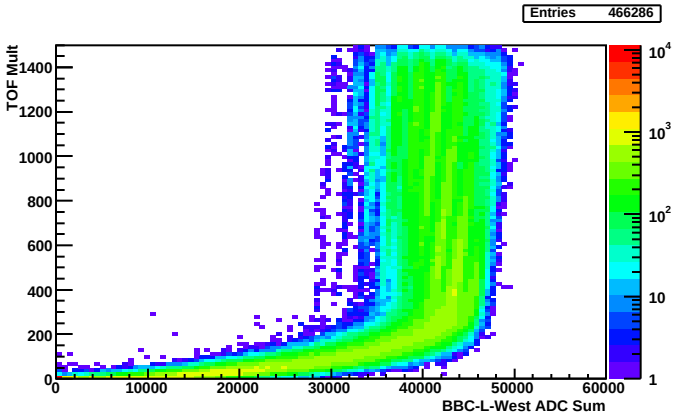

BBQ-VP003 (HI threshold)
Entries 7460576
ADC
QT Input Channel

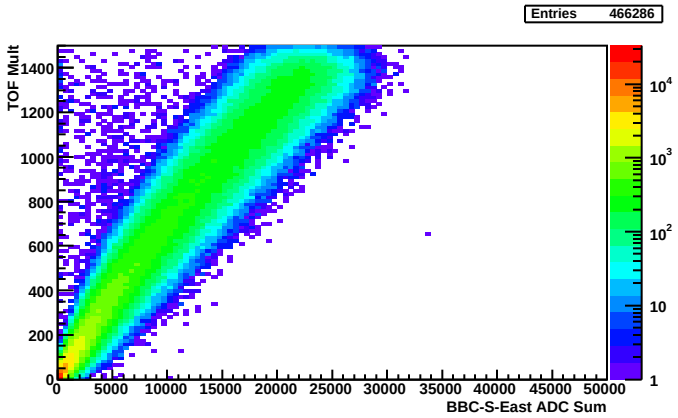

BBQ-VP003 (HI threshold)
Entries 7460576
TAC
QT Input Channel

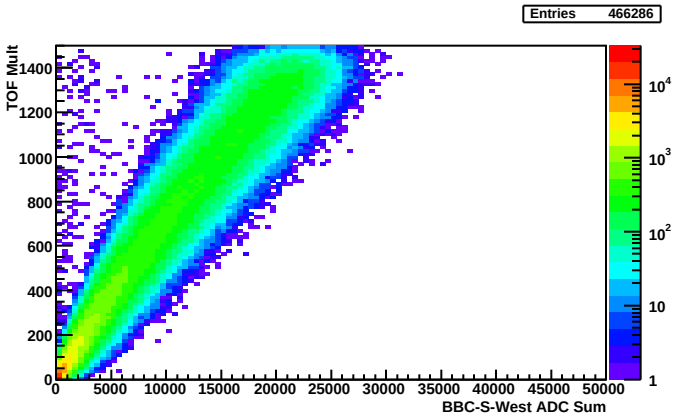

BBQ-VP004 (HI threshold)
Entries 7460576
ADC
QT Input Channel

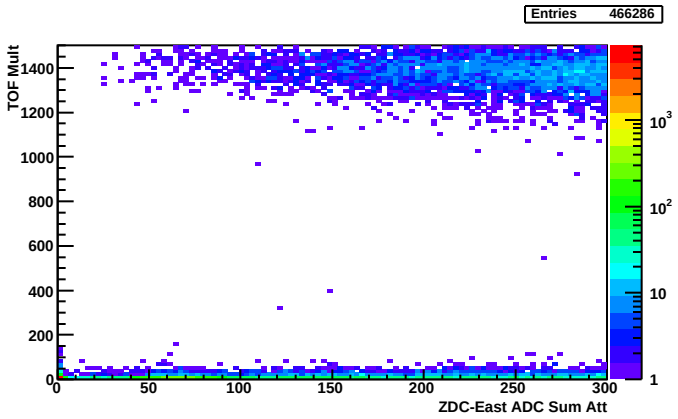

BBQ-VP004 (HI threshold)
Entries 7460576
TAC
QT Input Channel

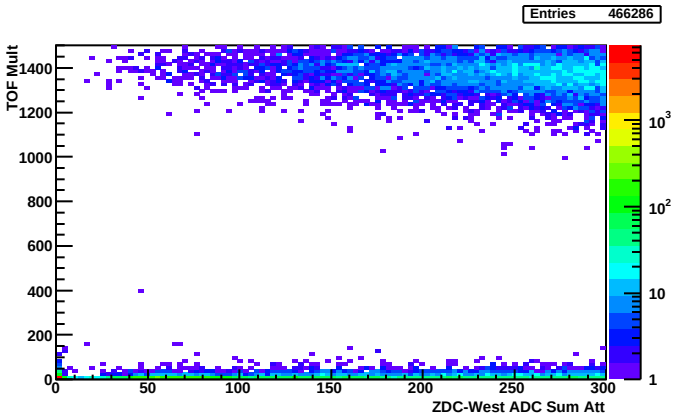

Entries 466286
TOF Mult
BBC-L-East ADC Sum


Entries 466286
TOF Mult
BBC-L-West ADC Sum


Entries 466286
TOF Mult
BBC-S-East ADC Sum


Entries 466286
TOF Mult
BBC-S-West ADC Sum


Entries 466286
TOF Mult
ZDC-East ADC Sum Att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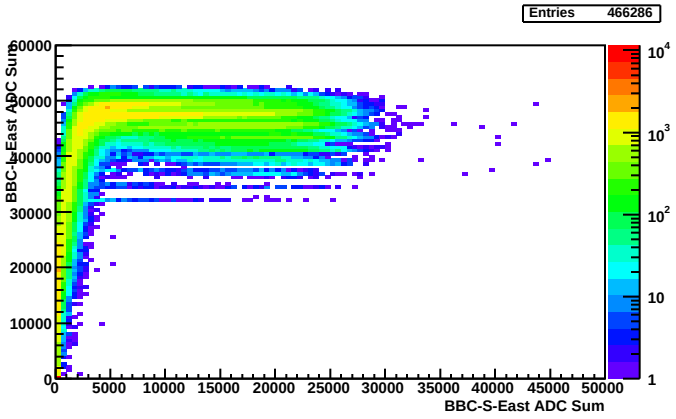
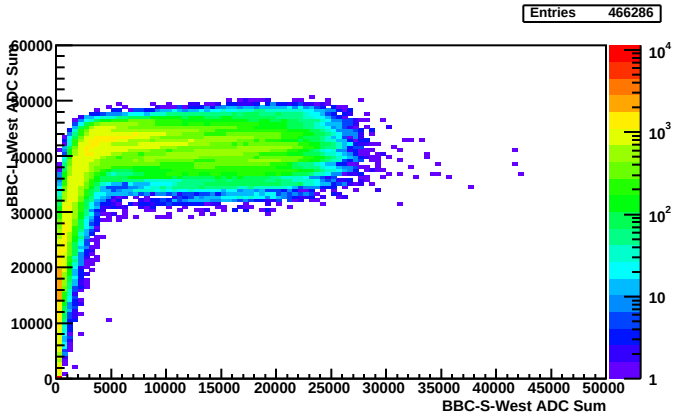
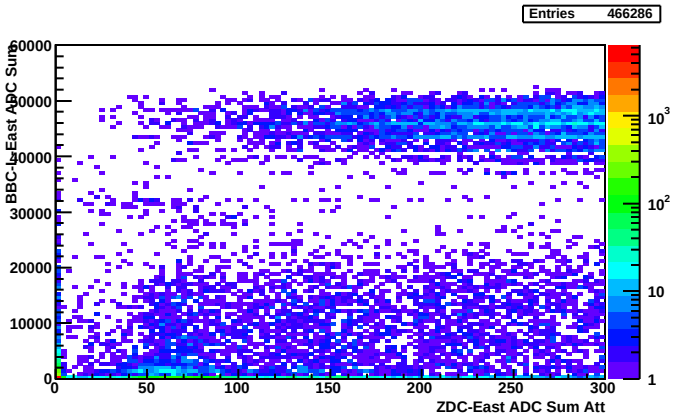
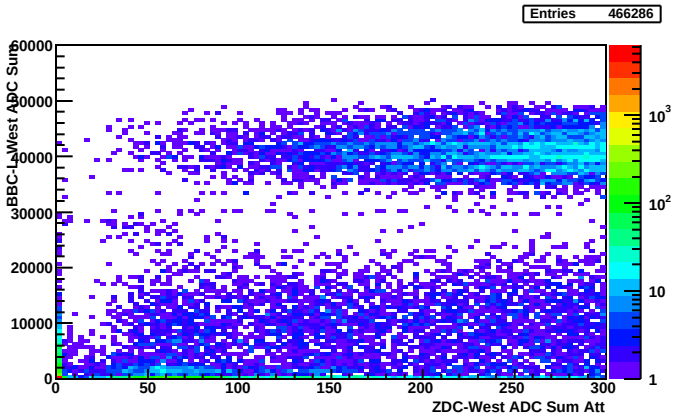
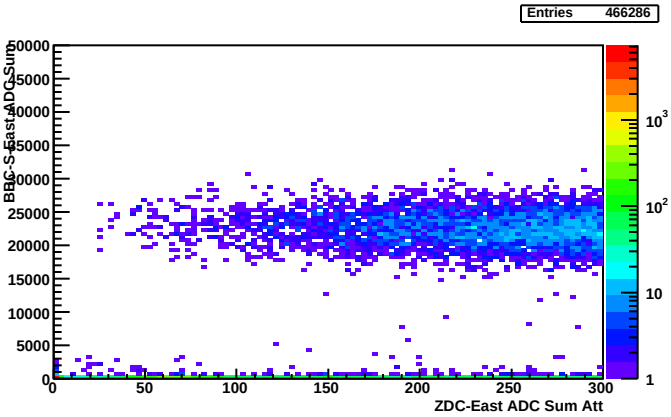
TOF Mult
ZDC-West ADC Sum Att


Entries 466286
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 466286
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 466286
BBC-L-East ADC Sum
ZDC-East ADC Sum Att


Entries 466286
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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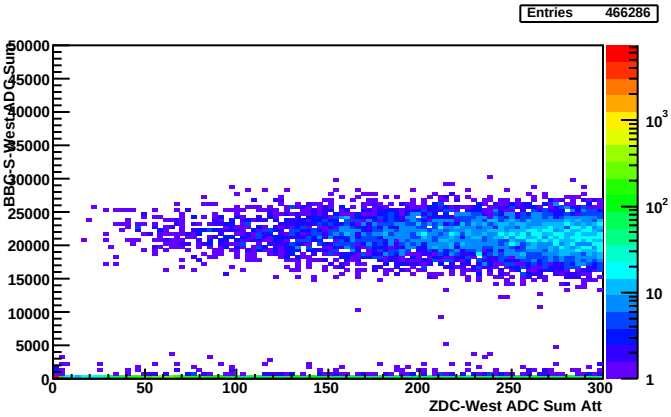
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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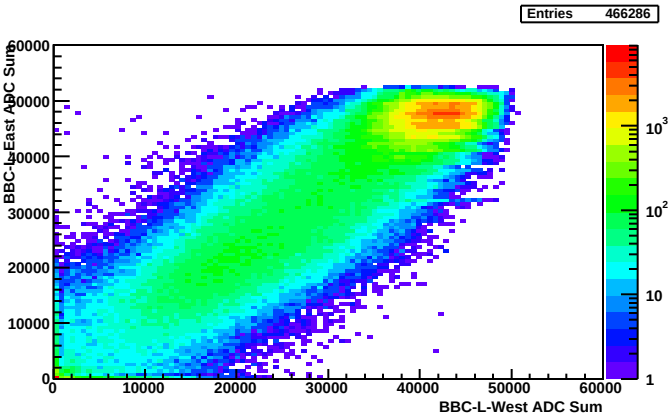
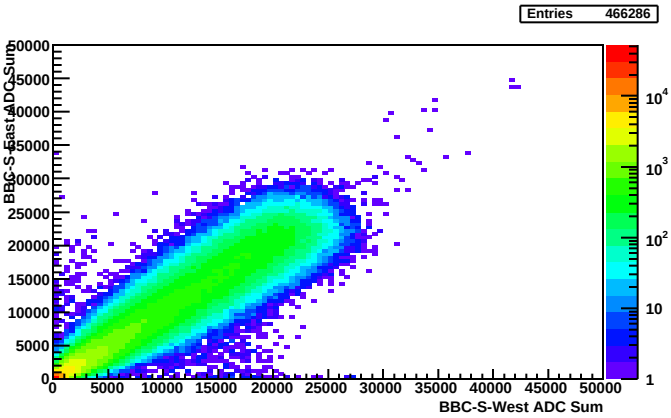
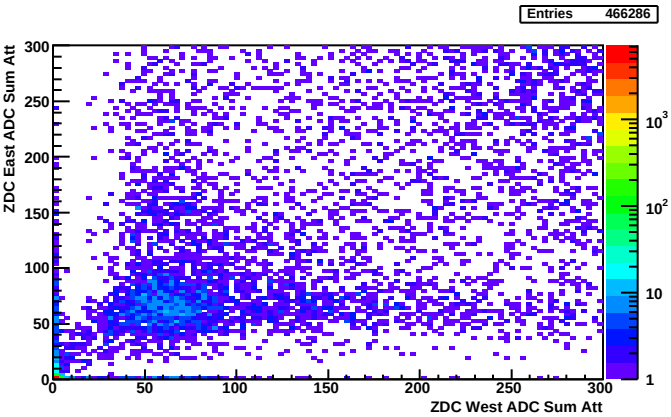
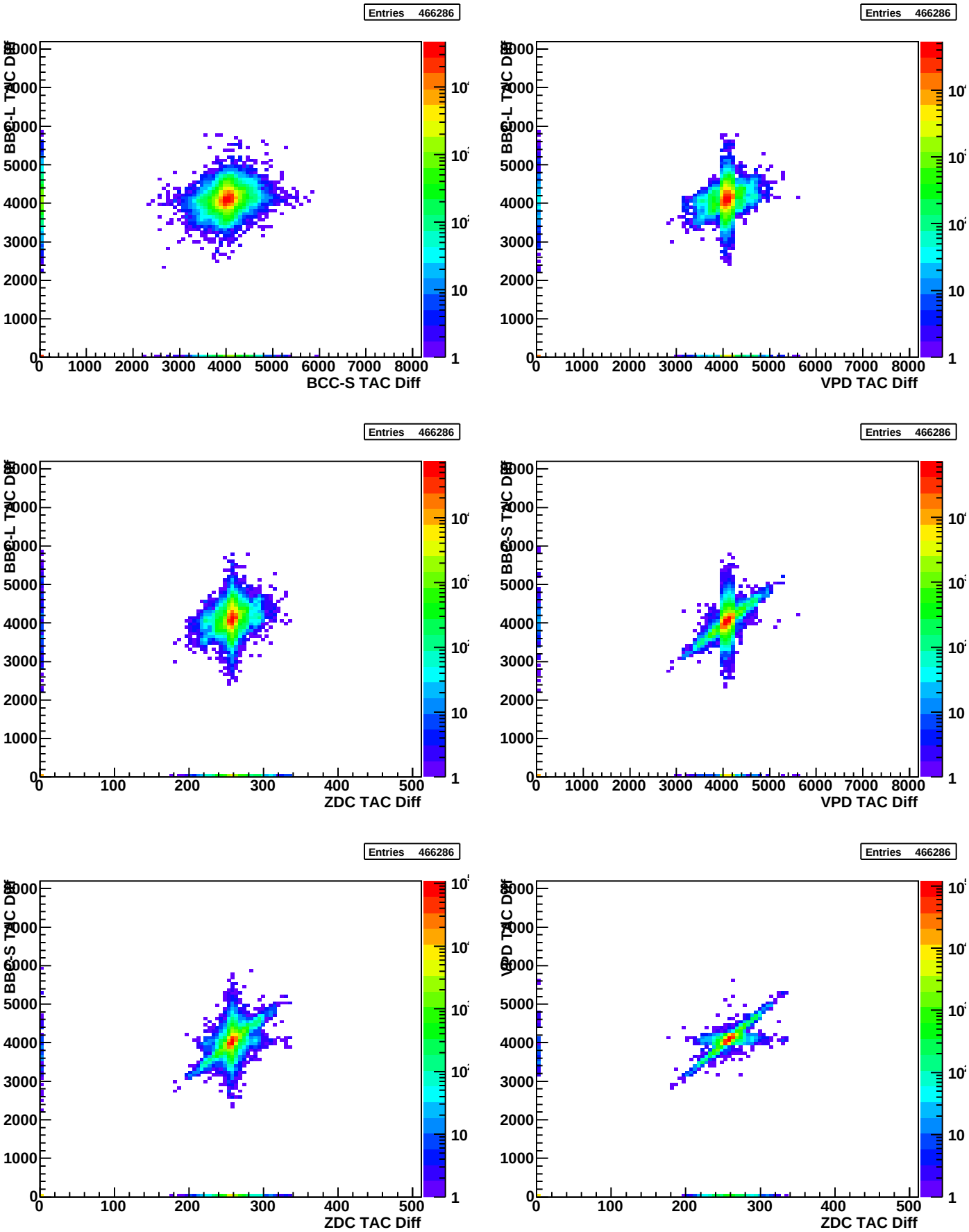
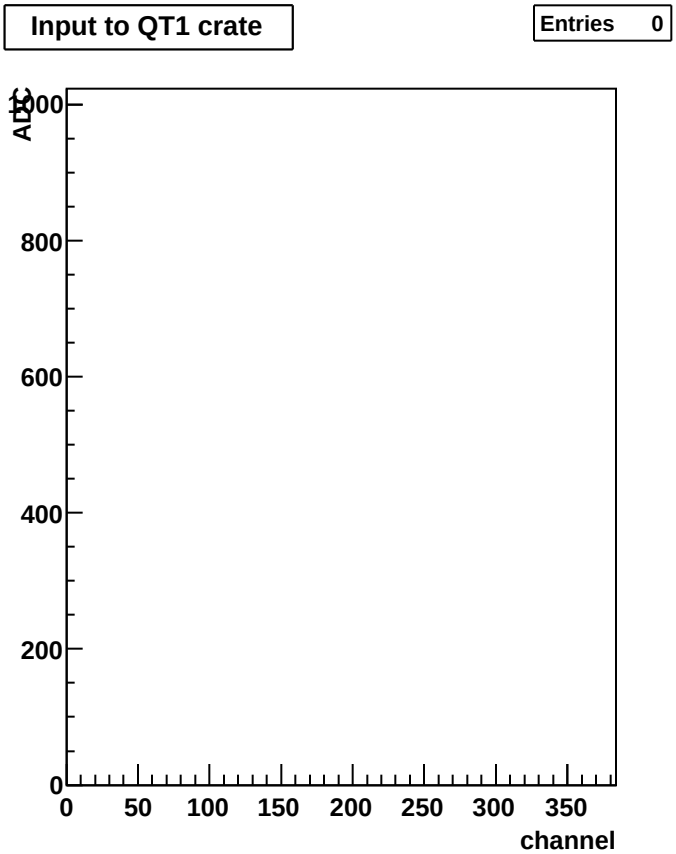
ZDC-West ADC Sum Att

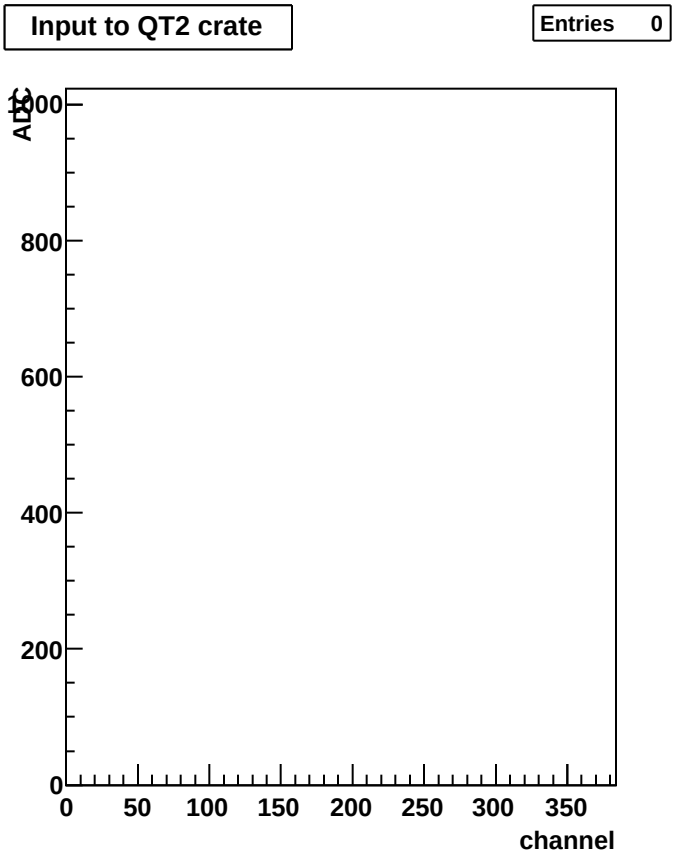

Entries 466286
BBC-L-East ADC Sum
BBC-L-West ADC Sum

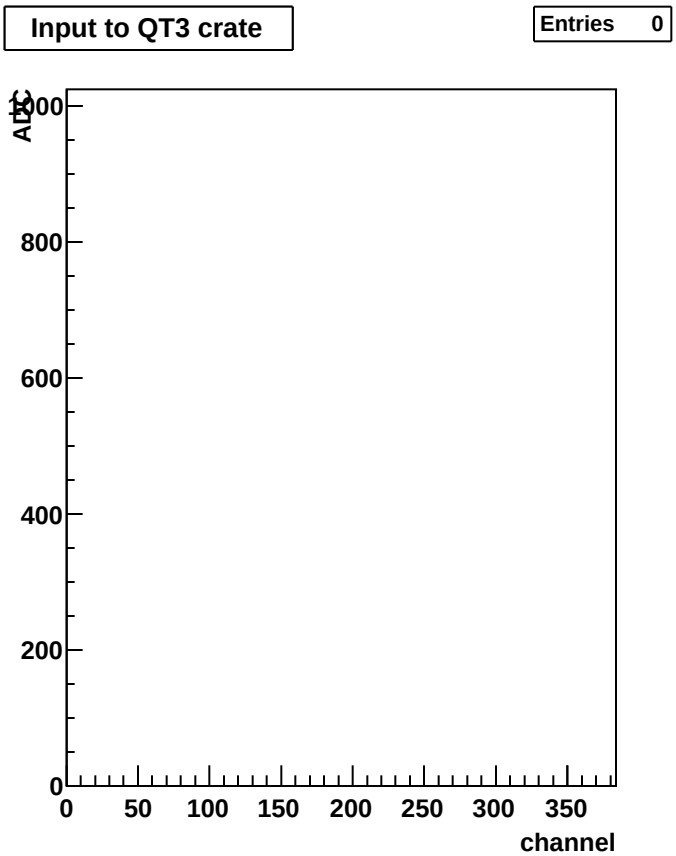

Entries 466286
BBC-S-East ADC Sum
BBC-S-West ADC Sum

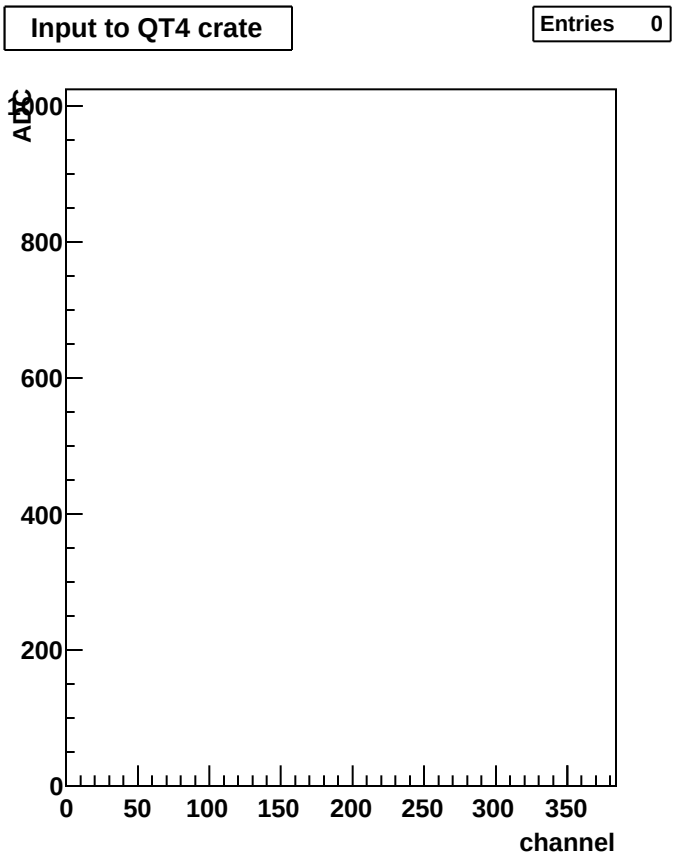

Entries 466286
ZDC East ADC Sum Att
ZDC West ADC Sum Att

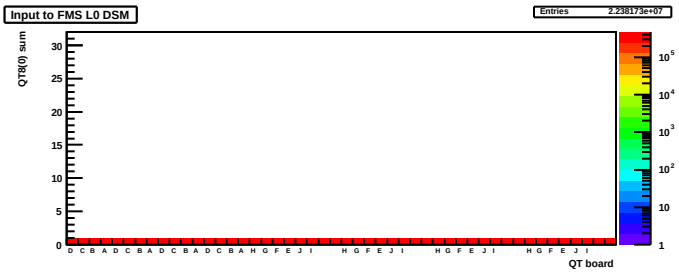

Entries 466286
BBC-L TAC Diff
BCC-S TAC Diff
Entries 466286
BBC-L TAC Diff
VPD TAC Diff
Entries 466286
BBC-L TAC Diff
ZDC TAC Diff
Entries 466286
BBC-S TAC Diff
VPD TAC Diff
Entries 466286
BBC-S TAC Diff
ZDC TAC Diff
Entries 466286
VPD TAC Diff
ZDC TAC Diff

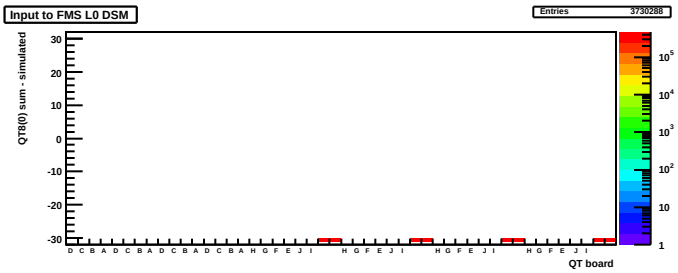

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

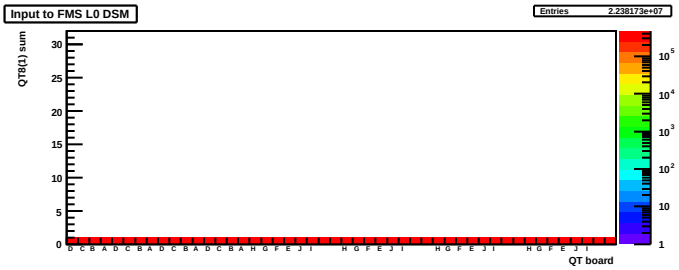

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

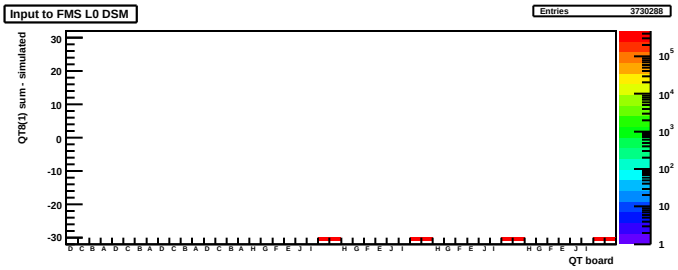

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

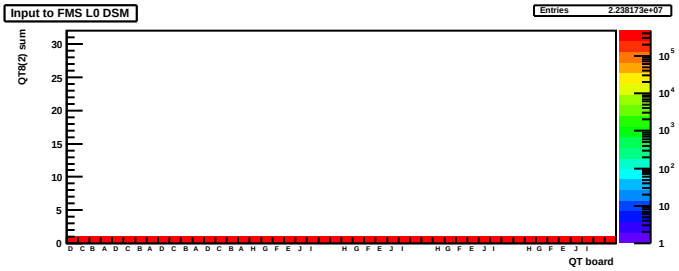

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

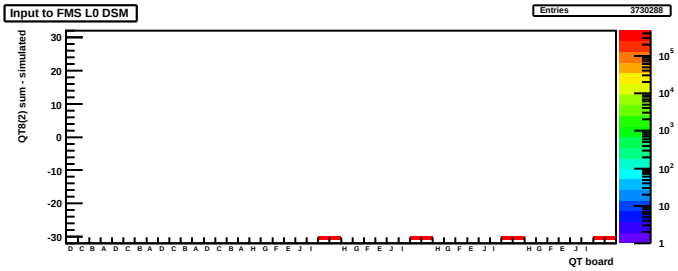

Input to FMS L0 DSM
Entries 2.238173e+07
QT8(0) sum
QT board

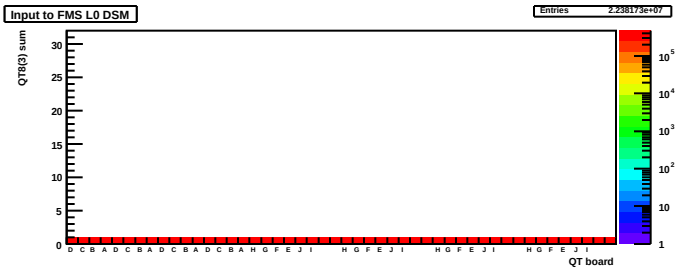

Input to FMS L0 DSM
Entries 3730288
QT8(0) sum - simulated
QT board

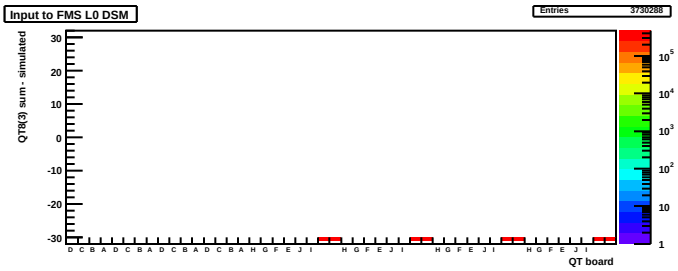

Input to FMS L0 DSM
Entries 2.238173e+07
QT8(1) sum
QT board

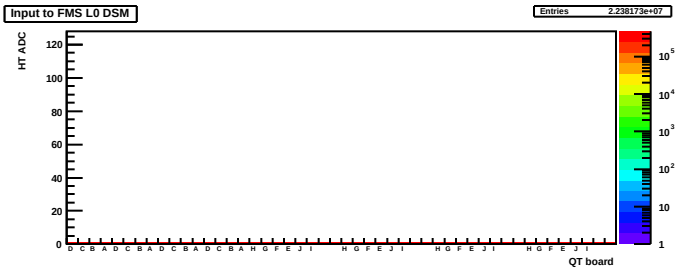

Input to FMS L0 DSM
Entries 3730288
QT8(1) sum - simulated
QT board

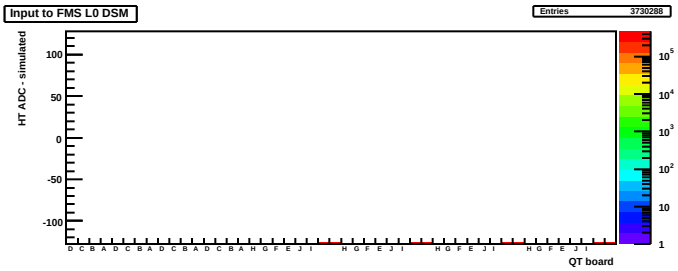

Input to FMS L0 DSM
Entries 2.238173e+07
QT8(2) sum
QT board

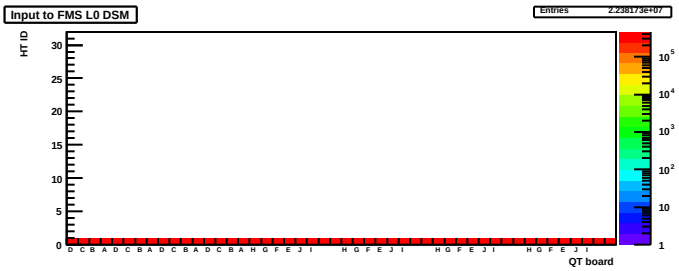

Input to FMS L0 DSM
Entries 3730288
QT8(2) sum - simulated
QT board

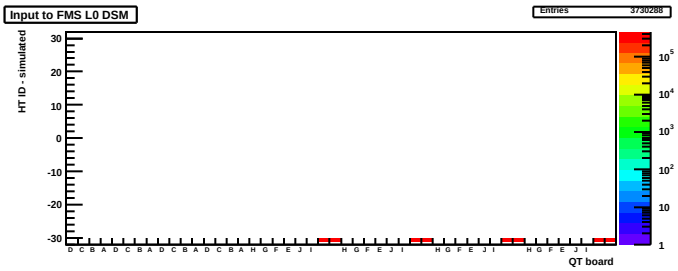

Input to FMS L0 DSM
Entries 2.238173e+07
QT8(3) sum
QT board

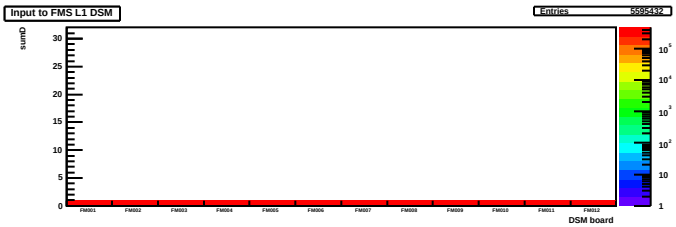

Input to FMS L0 DSM
Entries 3730288
QT8(3) sum - simulated
QT board

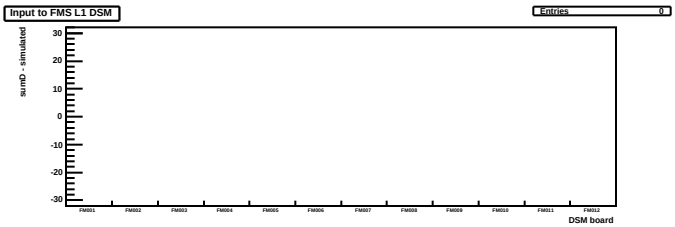

Input to FMS L0 DSM
Entries 2.238173e+07
HT ADC
QT board

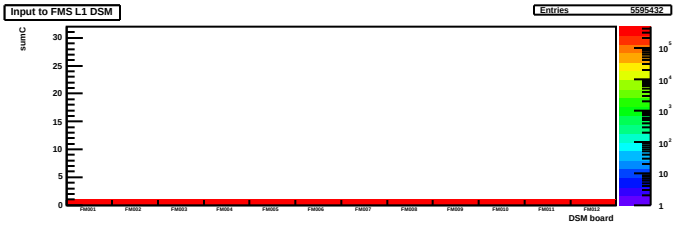

Input to FMS L0 DSM
Entries 3730288
HT ADC - simulated
QT board

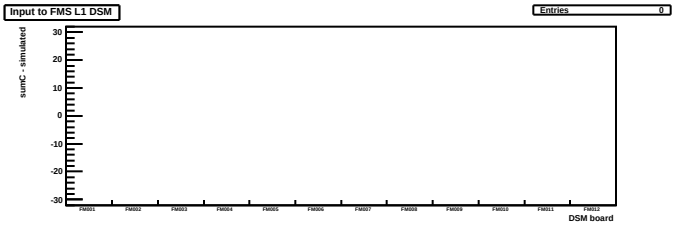

Input to FMS L0 DSM
Entries 2.238173e+07
HT ID
QT board

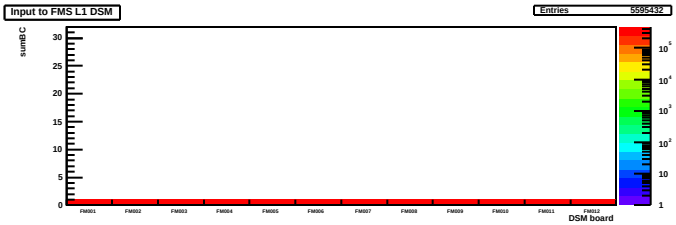

Input to FMS L0 DSM
Entries 3730288
HT ID - simulated
QT board

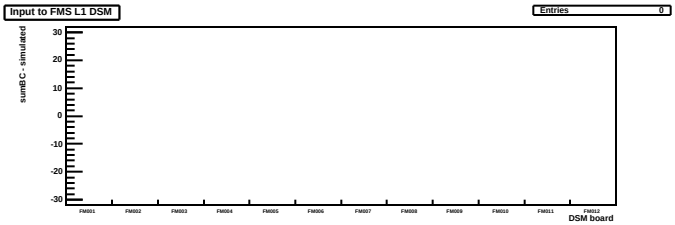

Input to FMS L1 DSM
Entries 5595432
sumD
DSM board

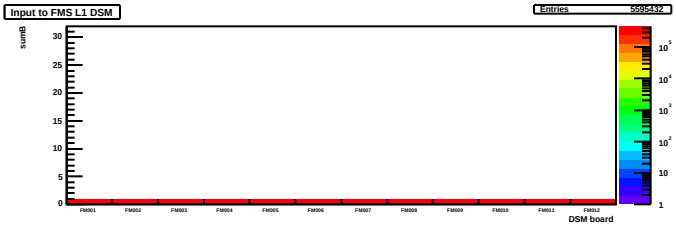

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

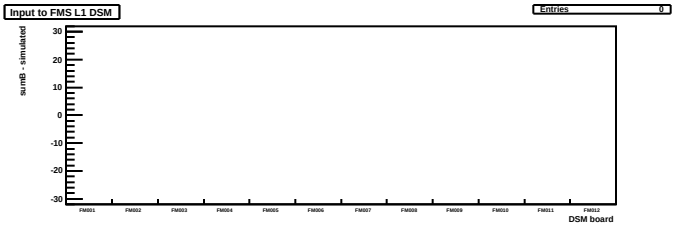

Input to FMS L1 DSM
Entries 5595432
sumC
DSM board

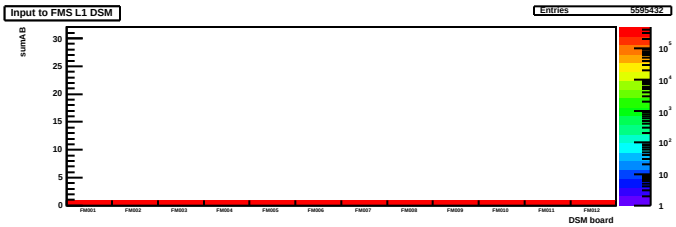

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

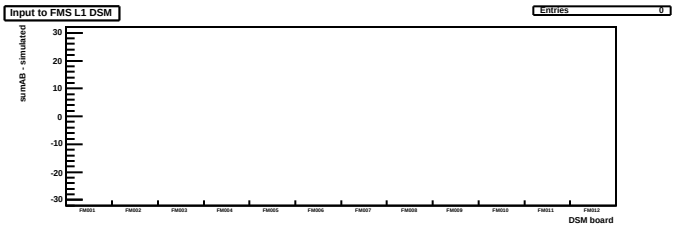

Input to FMS L1 DSM
Entries 5595432
sumBC
DSM board

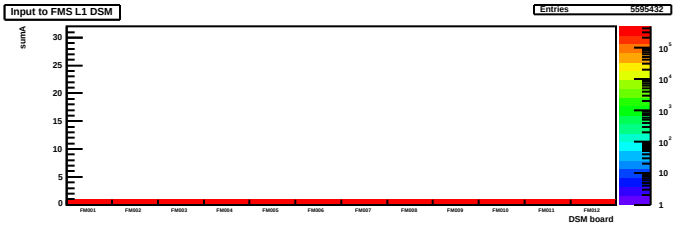

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

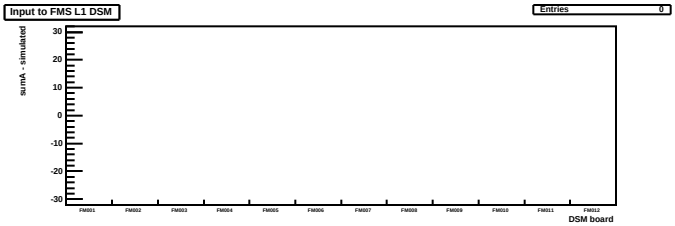

Input to FMS L1 DSM
Entries 5595432
sumB
DSM board

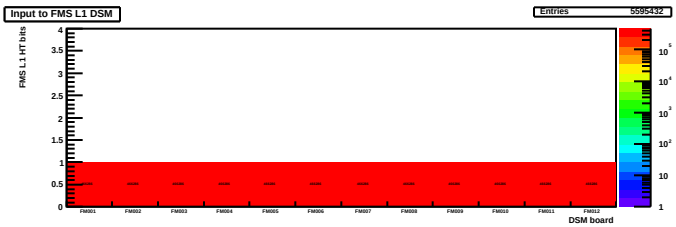

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

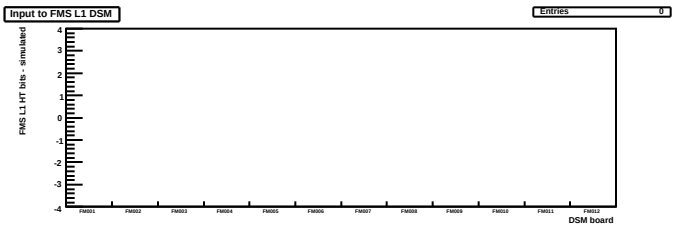

Input to FMS L1 DSM
Entries 5595432
sumAB
DSM board

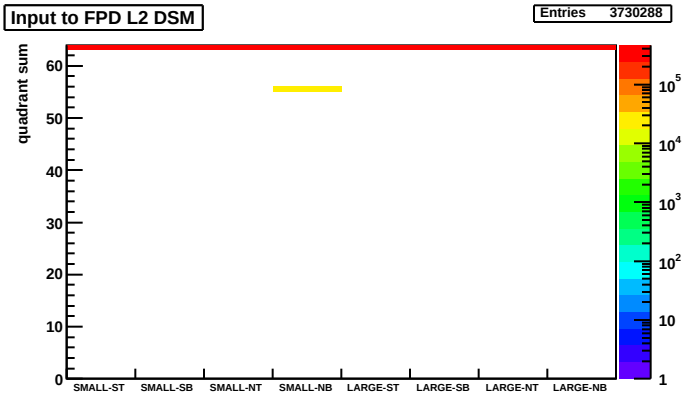

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

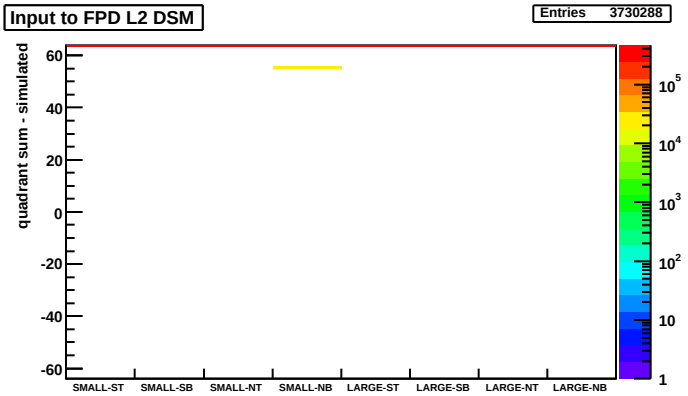

Input to FMS L1 DSM
Entries 5595432
sumA
DSM board

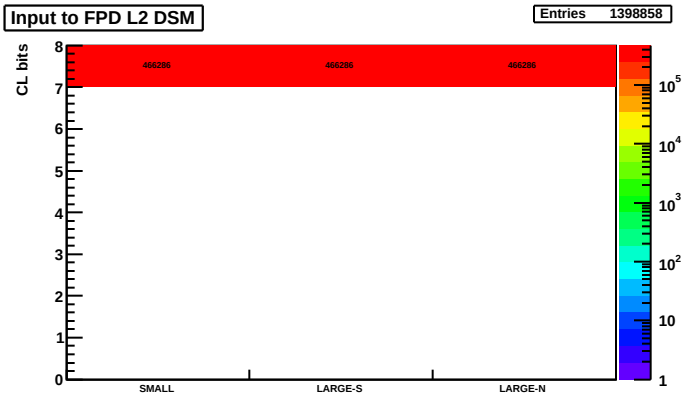

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

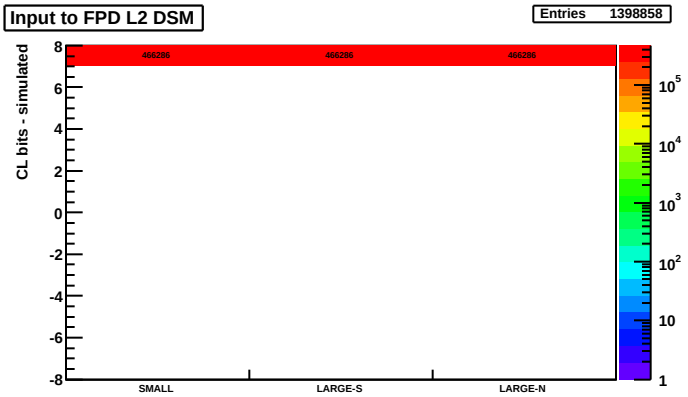

Input to FMS L1 DSM
Entries 5595432
FMS L1 HT bits
DSM board

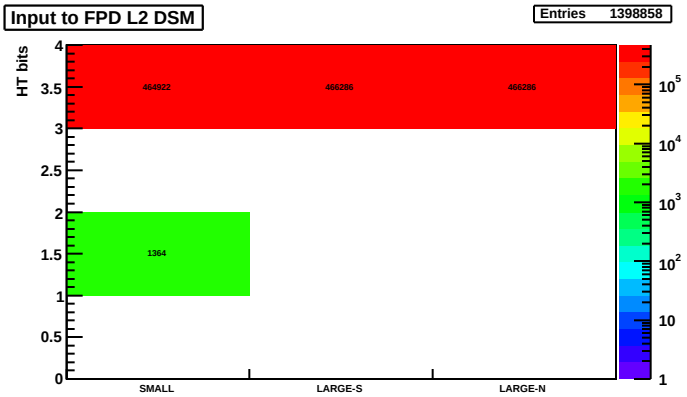

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

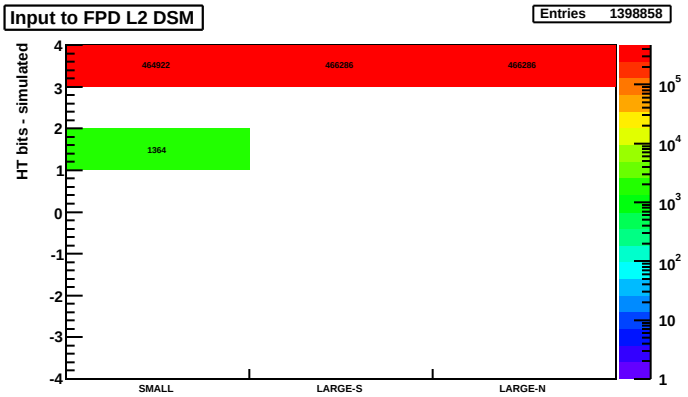

Input to FPD L2 DSM
Entries 3730288
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

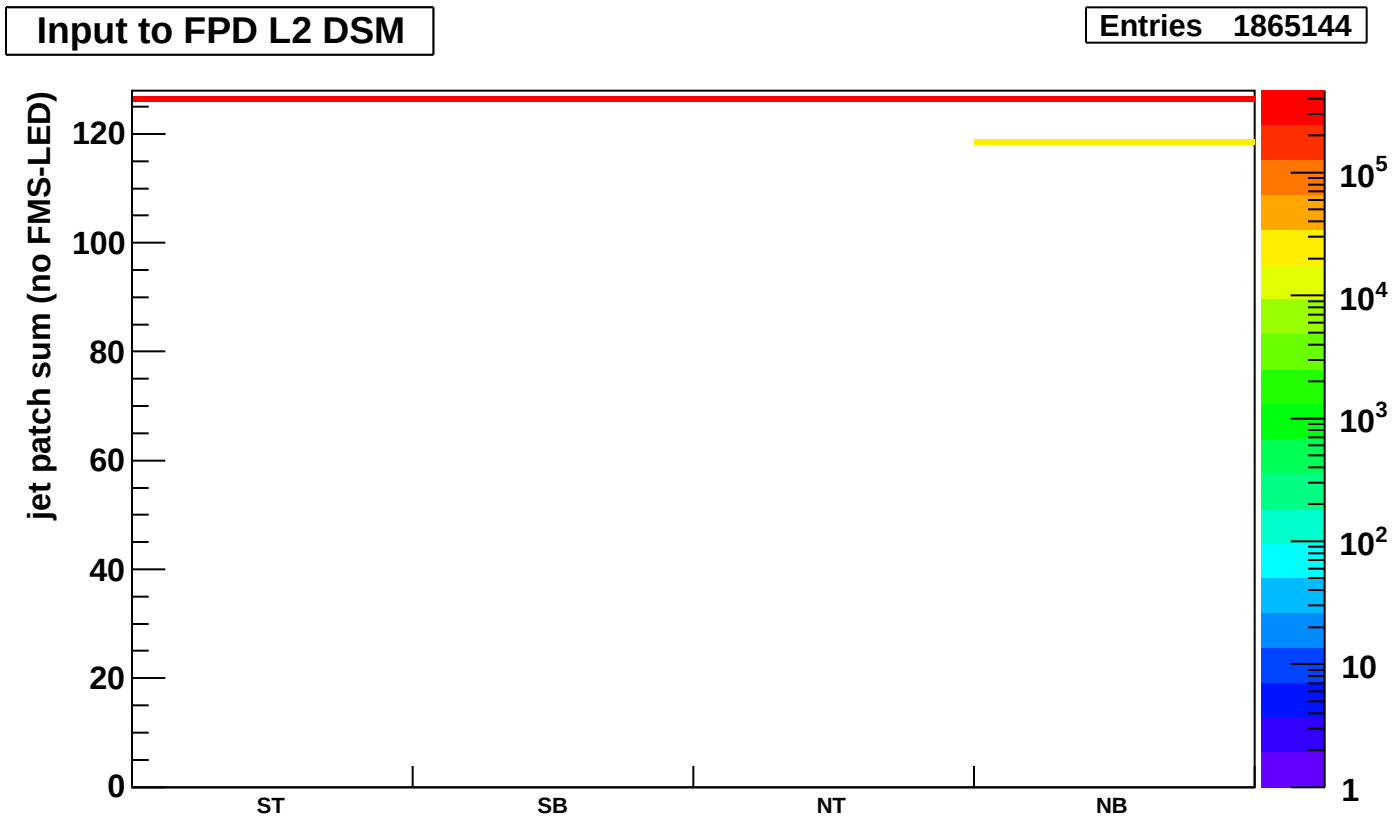

Input to FPD L2 DSM
Entries 3730288
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

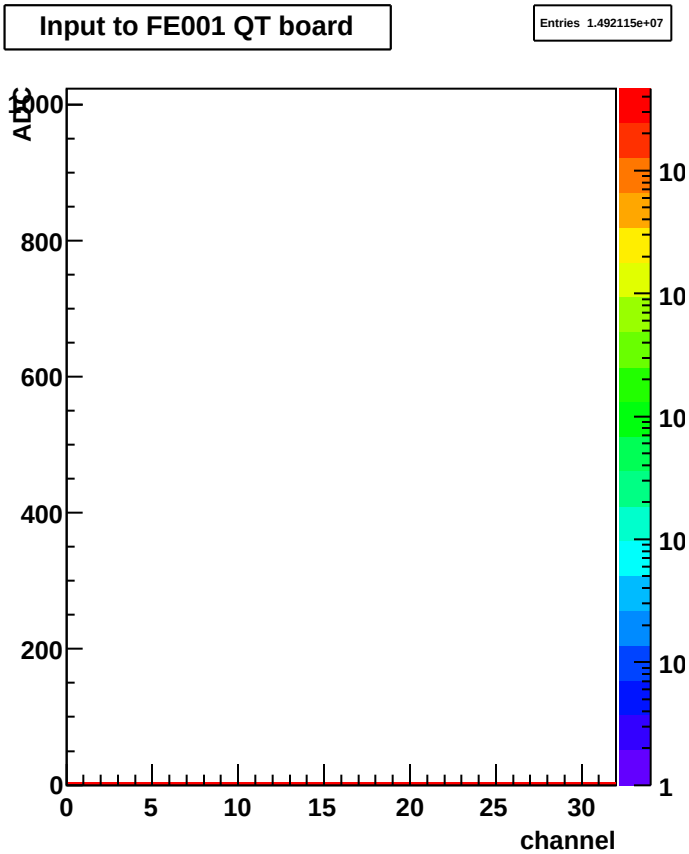

Input to FPD L2 DSM
Entries 1398858
CL bits
466286
466286
466286
SMALL
LARGE-S
LARGE-N

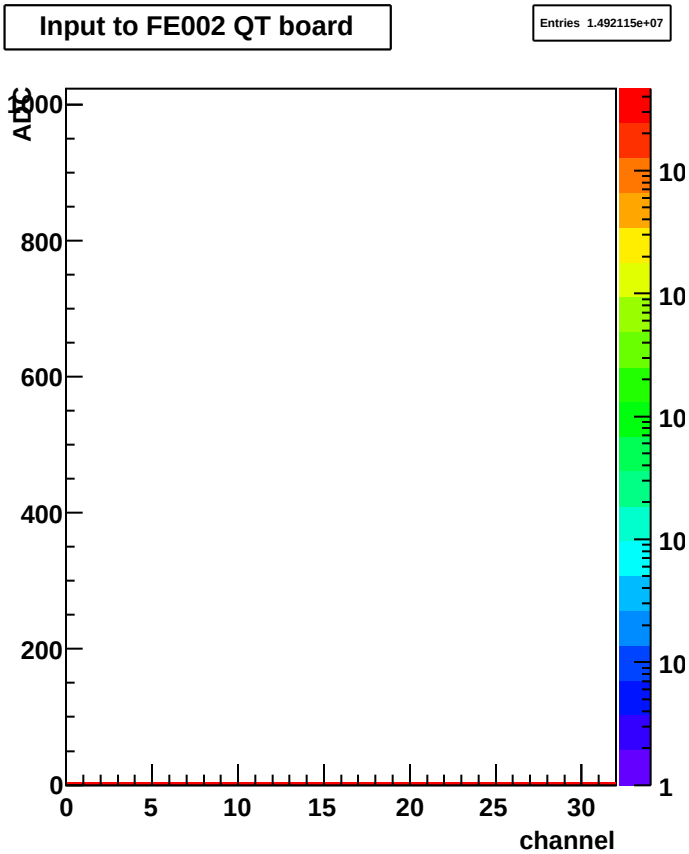

Input to FPD L2 DSM
Entries 1398858
CL bits - simulated
466286
466286
466286
SMALL
LARGE-S
LARGE-N

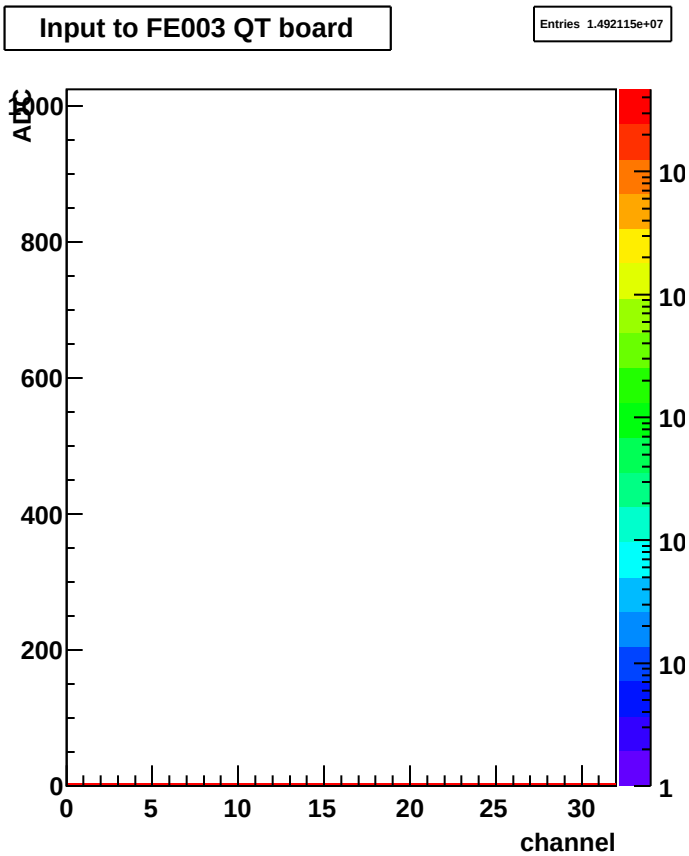

Input to FPD L2 DSM
Entries 1398858
HT bits
464922
466286
466286
1364
SMALL
LARGE-S
LARGE-N

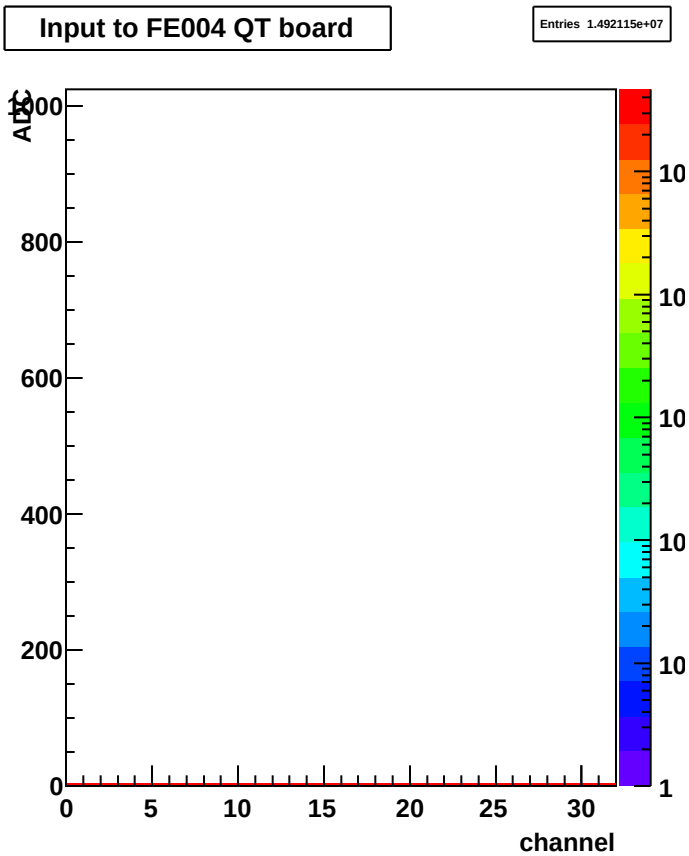

Input to FPD L2 DSM
Entries 1398858
HT bits - simulated
464922
466286
466286
1364
SMALL
LARGE-S
LARGE-N


Input to FPD L2 DSM
Entries 1865144
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

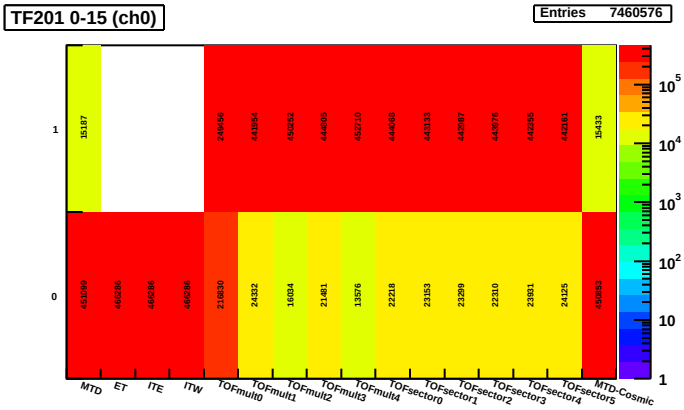

Input to FE001 QT board
Entries 1.492115e+07
ADC
channel


Input to FE002 QT board
Entries 1.492115e+07
ADC
channel

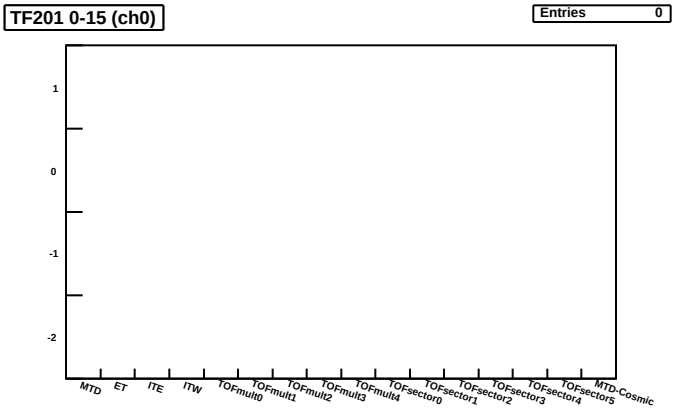

Input to FE003 QT board
Entries 1.492115e+07
ADC
channel


Input to FE004 QT board
Entries 1.492115e+07
ADC
channel

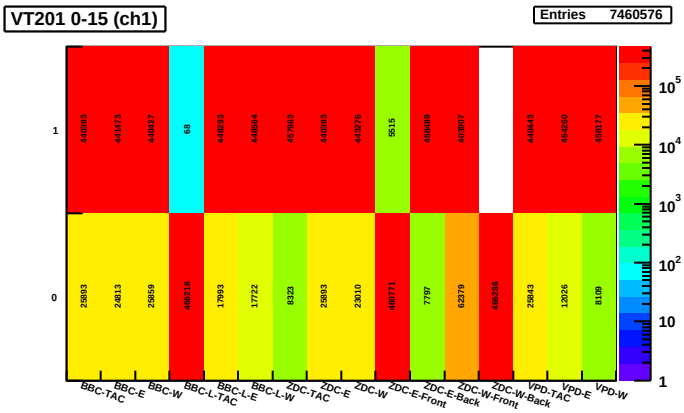
TF201 0-15 (ch0)



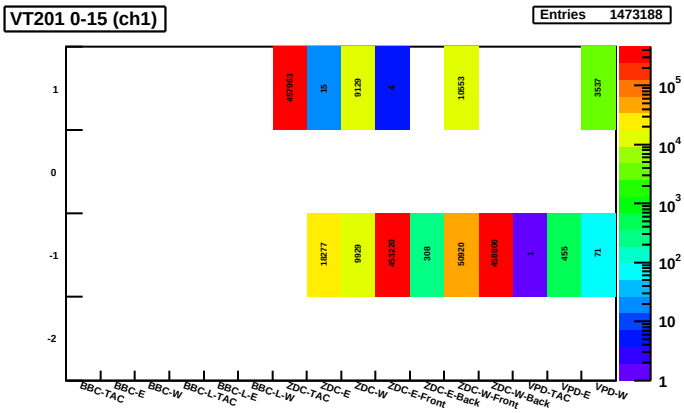
TF201 0-15 (ch0)



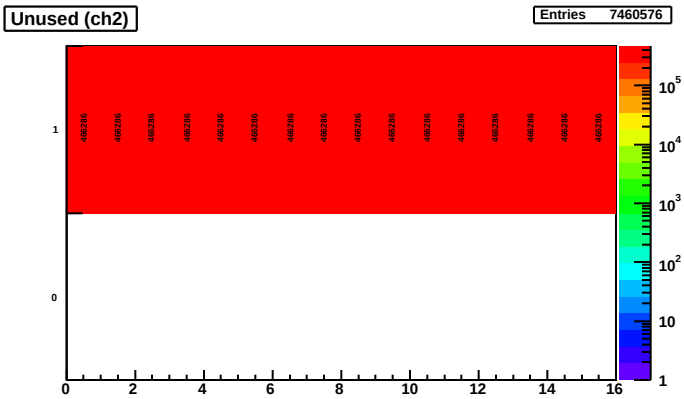
VT201 0-15 (ch1)

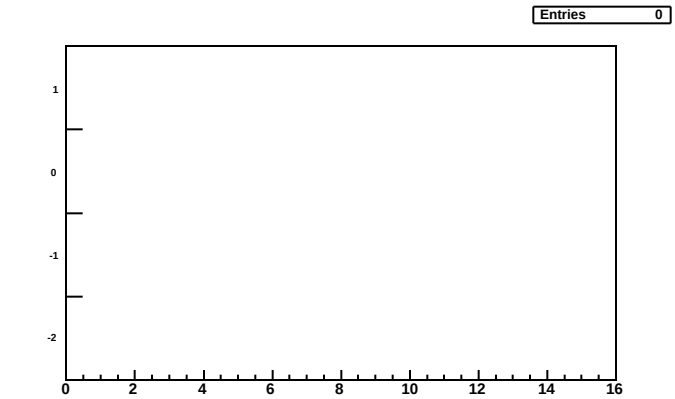


VT201 0-15 (ch1)

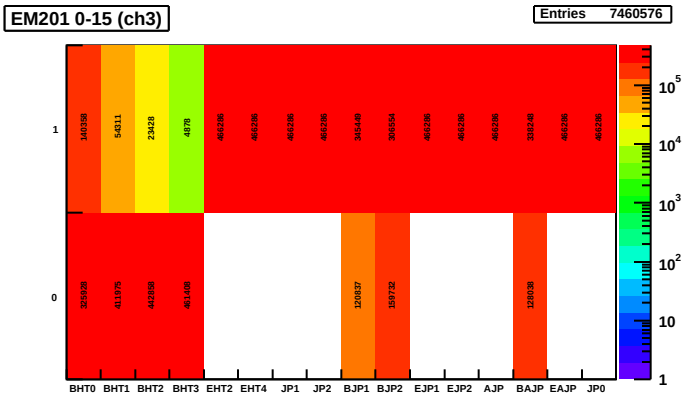


Unused (ch2)

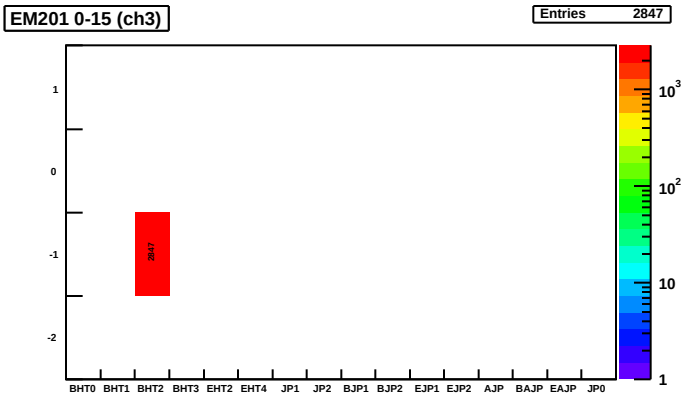




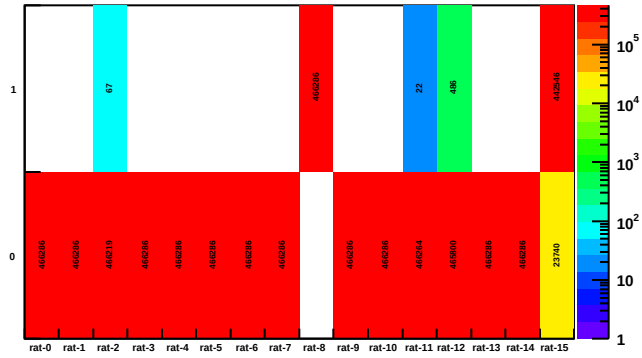
EM201 0-15 (ch3)

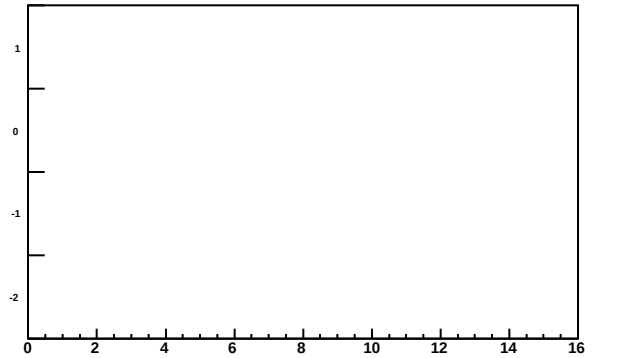


EM201 0-15 (ch3)

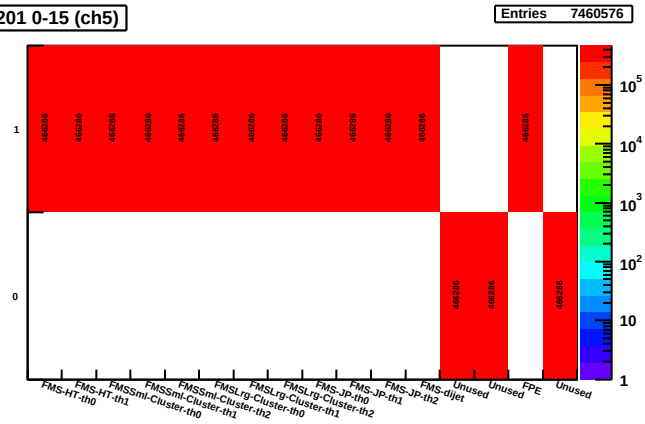


RAT board (ch4)

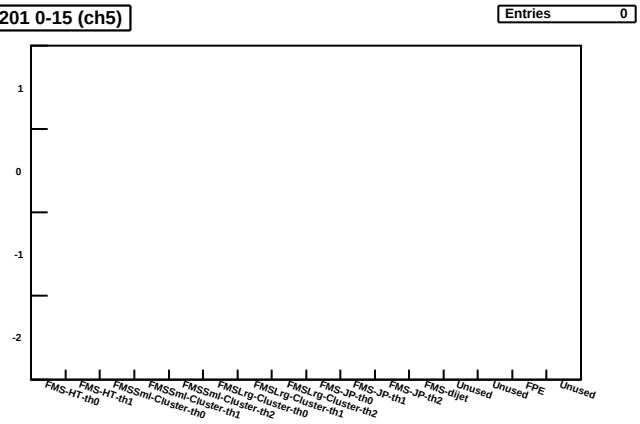




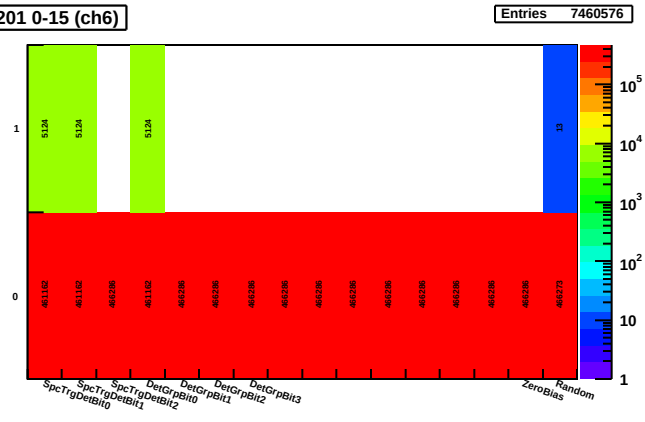
FP201 0-15 (ch5)

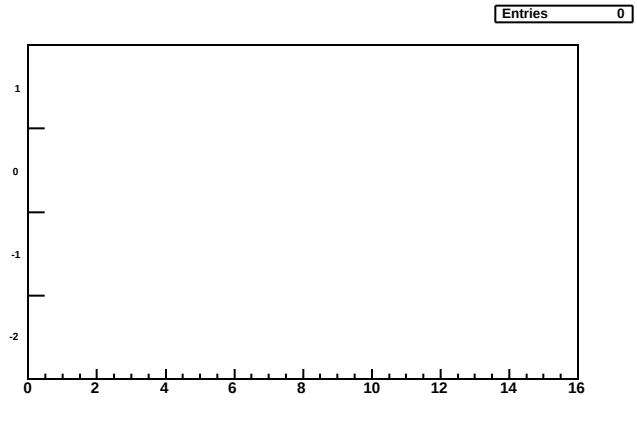
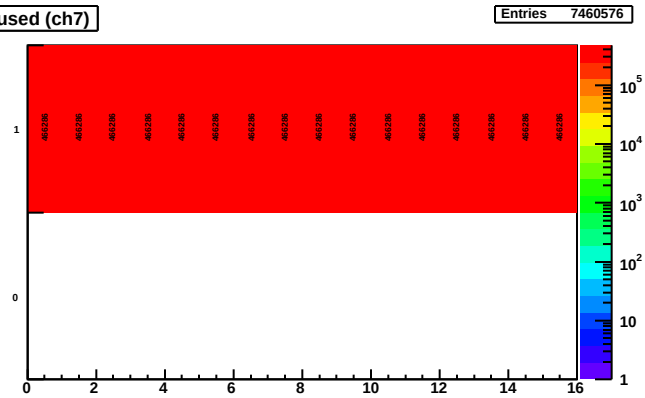
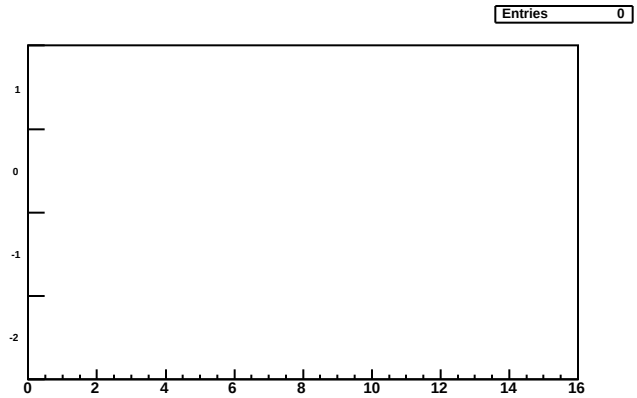


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)