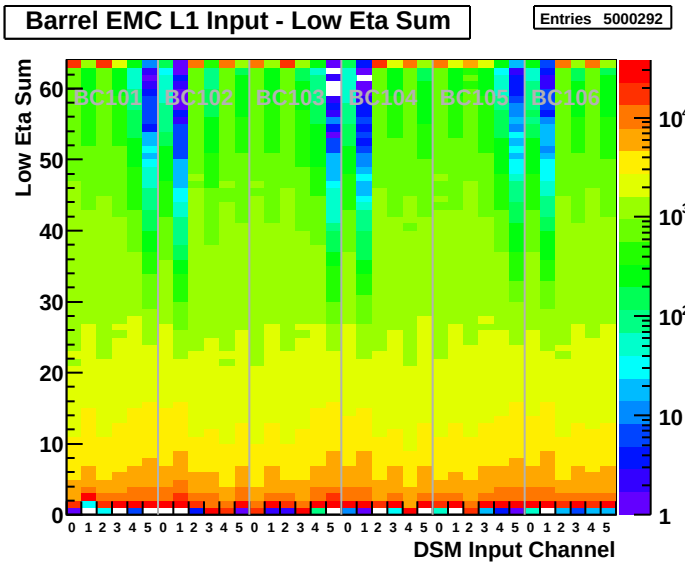
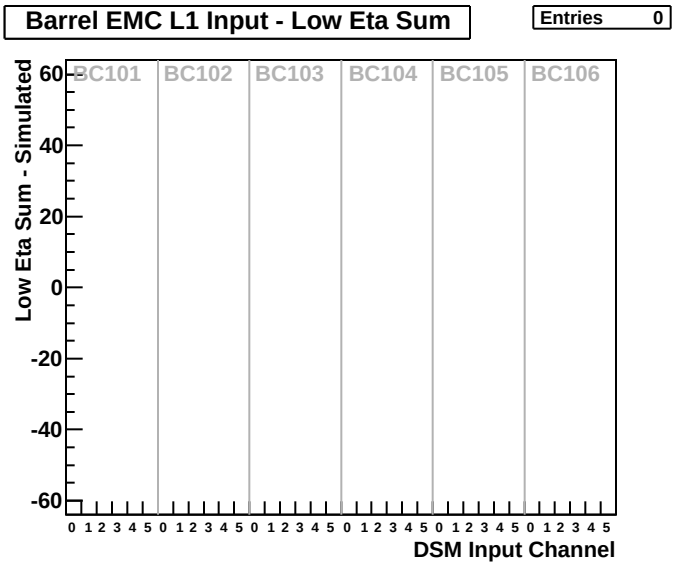
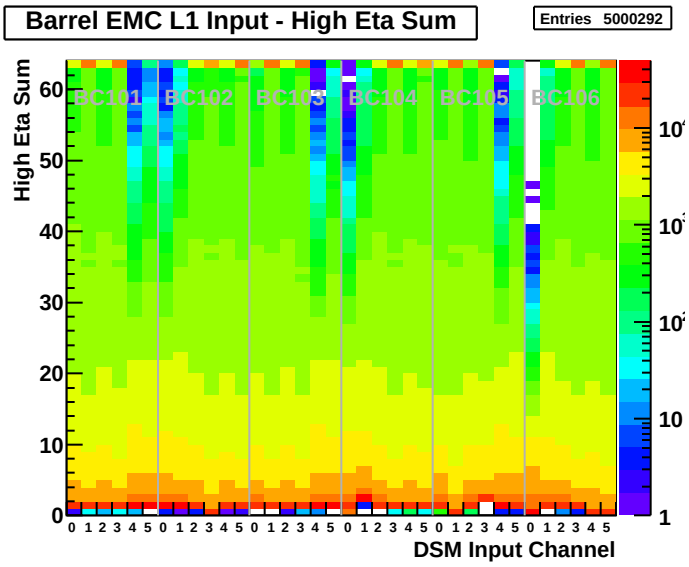
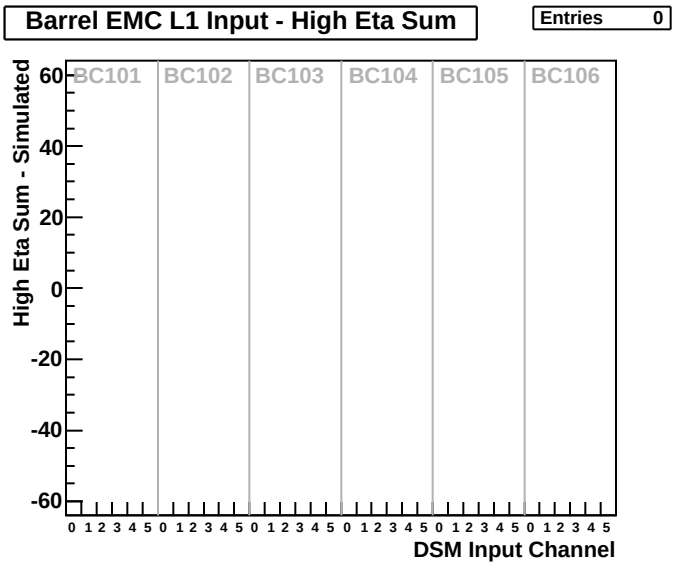
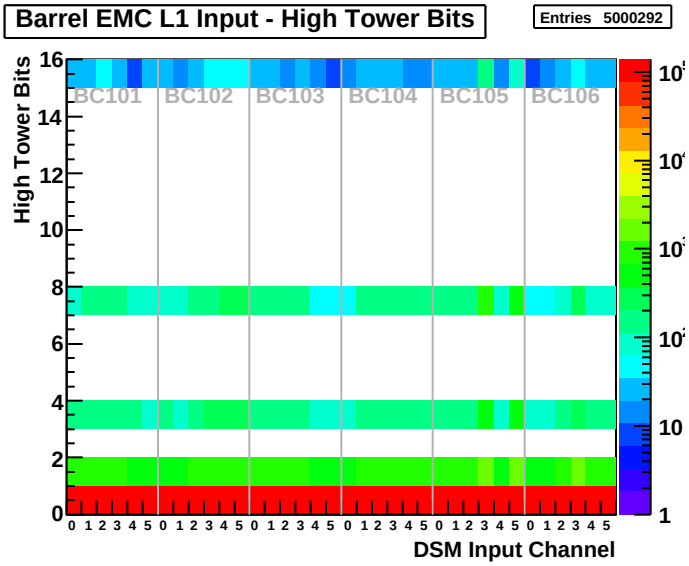
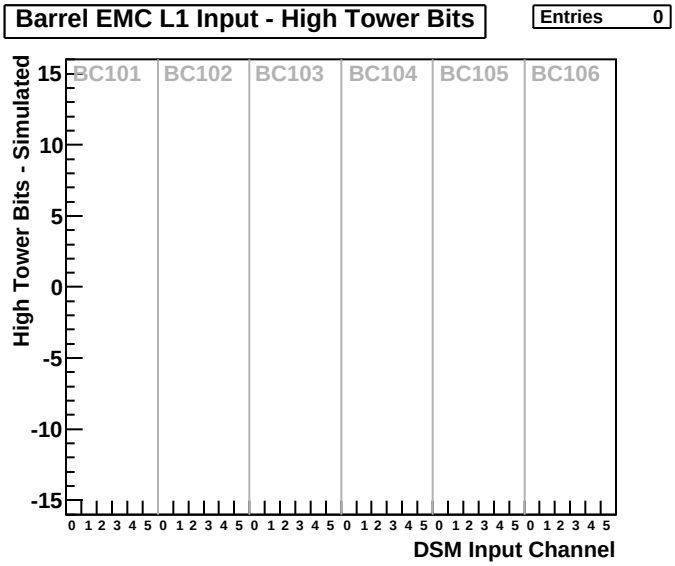

Barrel EMC L1 Input - Low Eta Sum
Entries 5000292
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

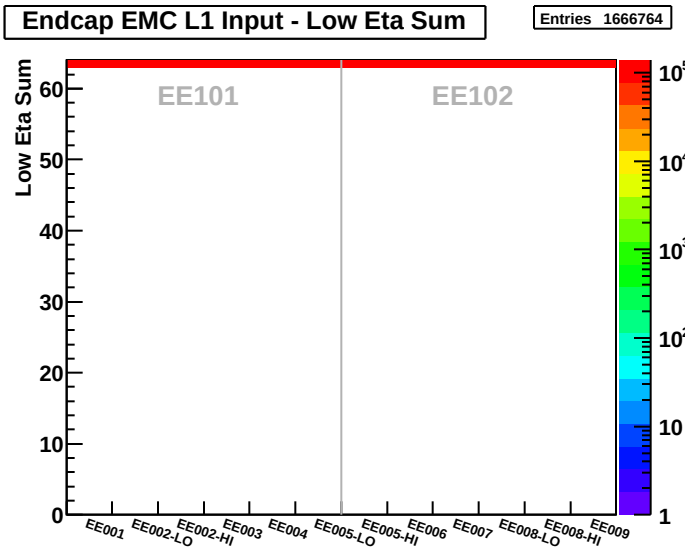

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

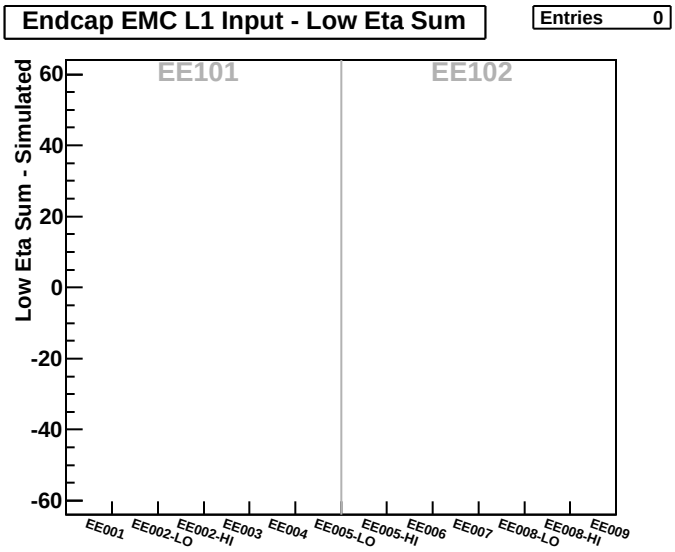

Barrel EMC L1 Input - High Eta Sum
Entries 5000292
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

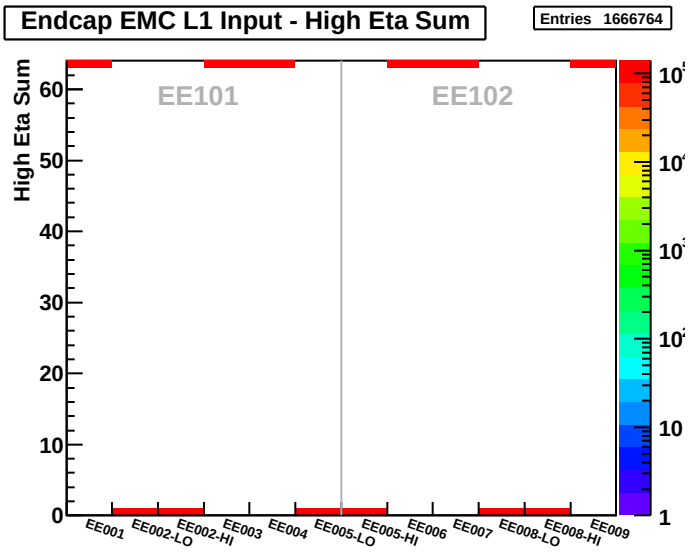

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

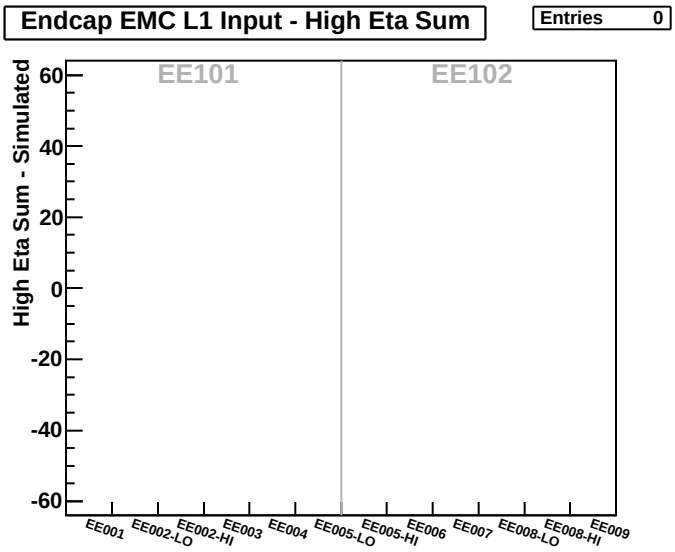

Barrel EMC L1 Input - High Tower Bits
Entries 5000292
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

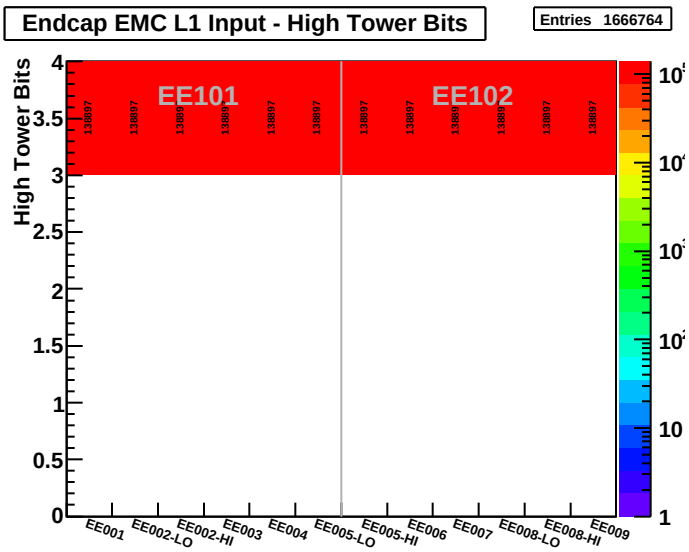

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

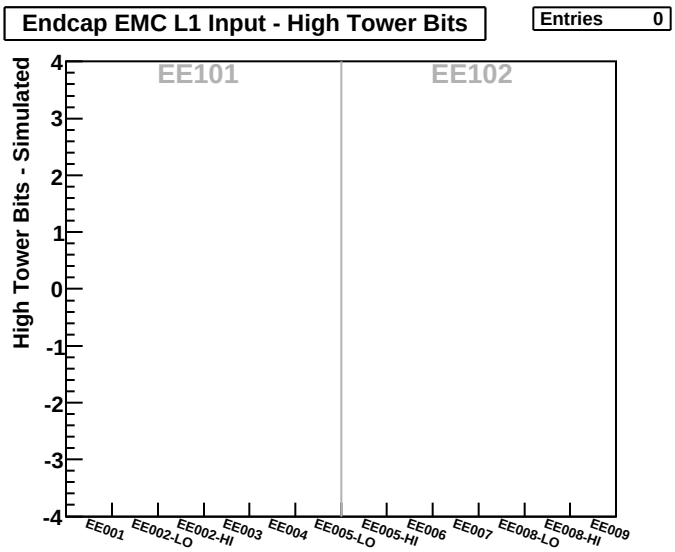

Endcap EMC L1 Input - Low Eta Sum
Entries 1666764
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

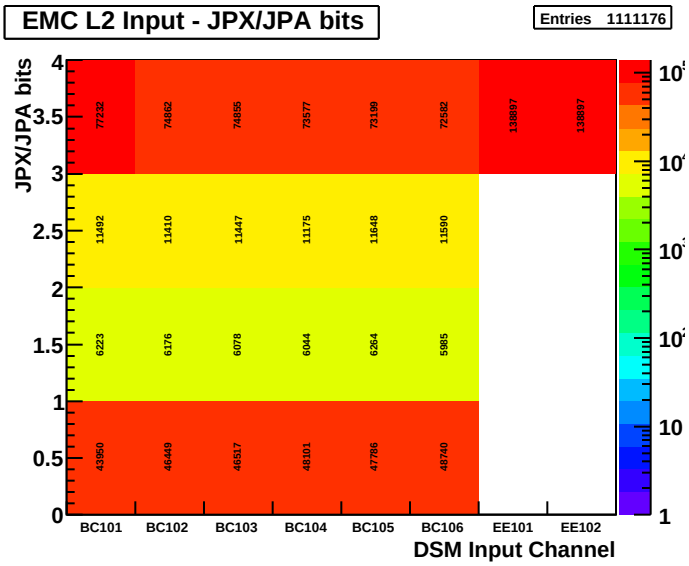

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

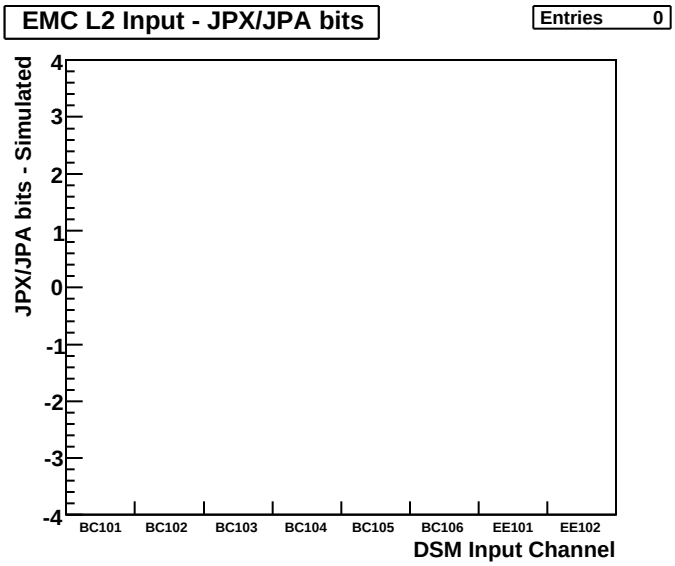

Endcap EMC L1 Input - High Eta Sum
Entries 1666764
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

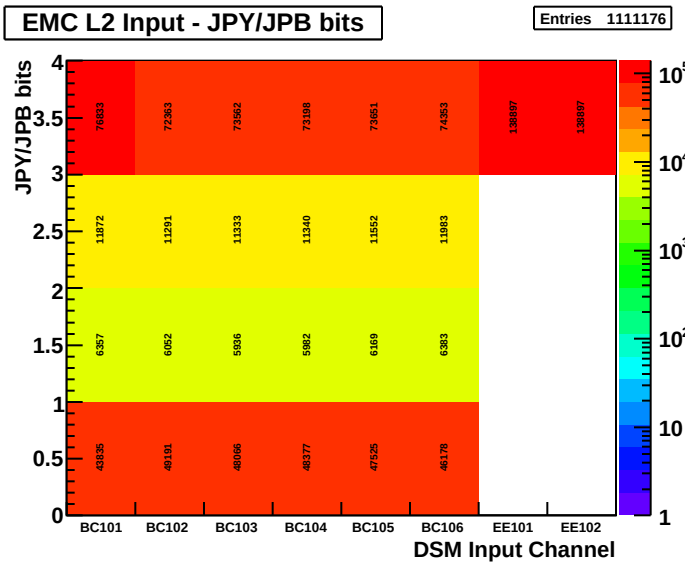

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

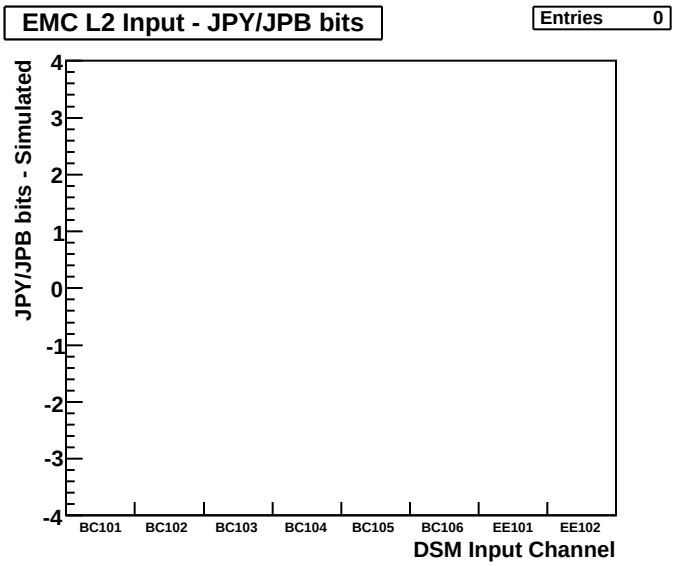

Endcap EMC L1 Input - High Tower Bits
Entries 1666764
High Tower Bits
EE101
EE102
138997
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

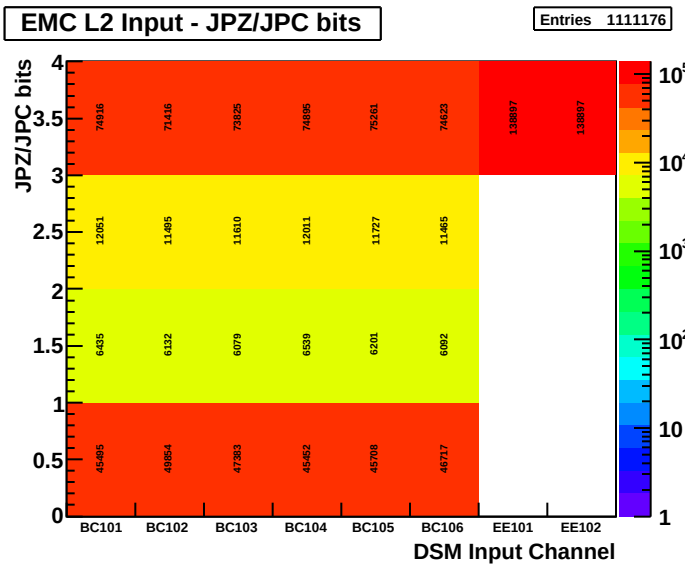

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

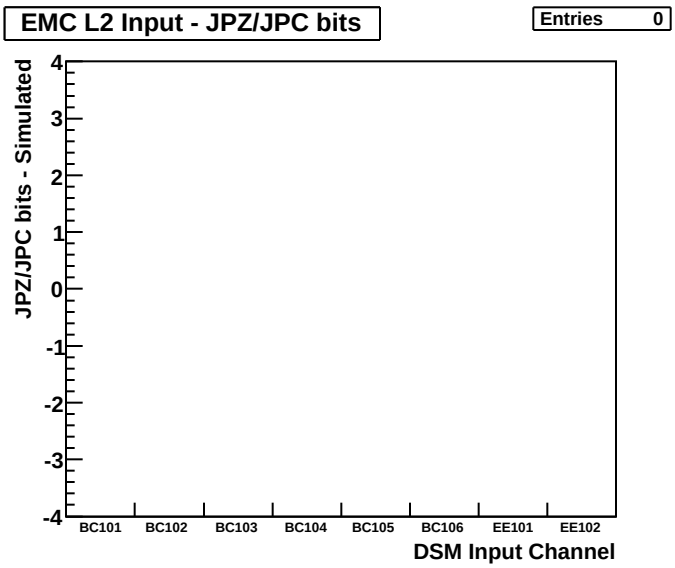

EMC L2 Input - JPX/JPA bits
Entries 1111176
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
77232 74862 74855 73577 73199 72582 138897 138897
11492 11410 11447 11175 11648 11590
6223 6176 6078 6044 6264 5985
43950 46449 46517 48101 47786 49740

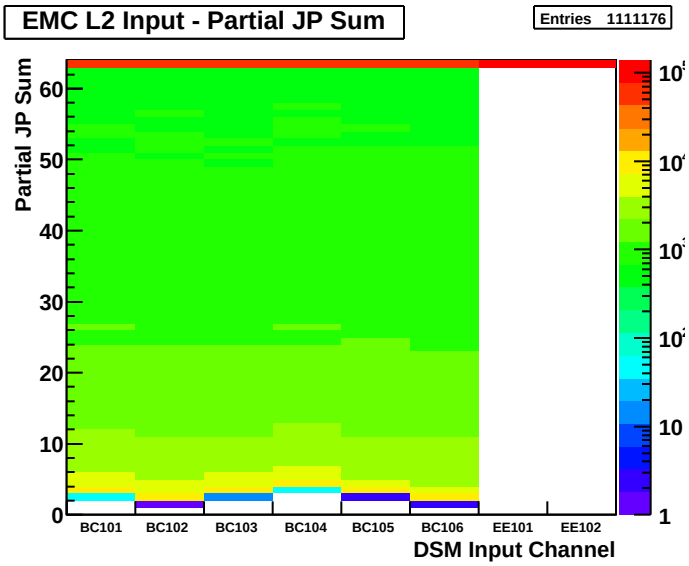

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

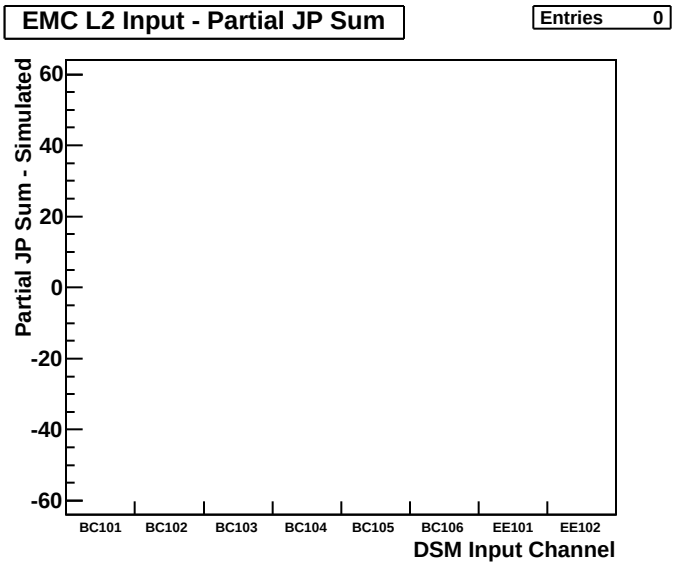

EMC L2 Input - JPY/JPB bits
Entries 1111176
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
76683 72363 73562 73198 73651 74353 138897 138897
11872 11291 11333 11340 11552 11983
6357 6052 5936 5982 6169 6383
43835 49191 48066 48377 47525 46178

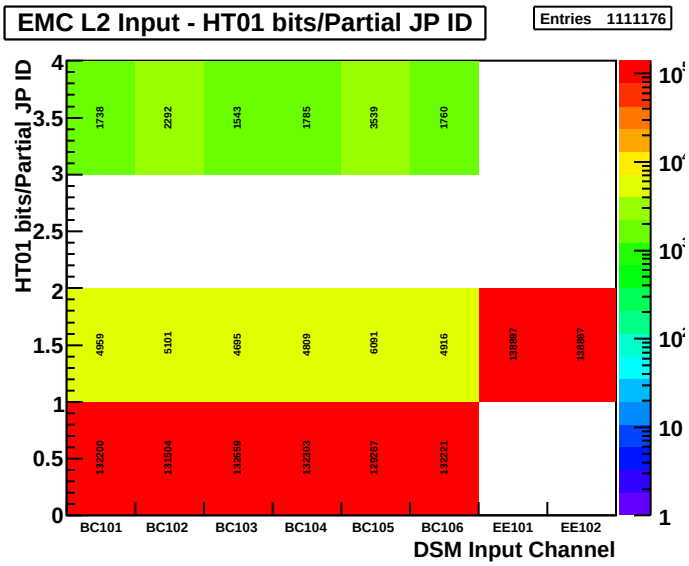

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

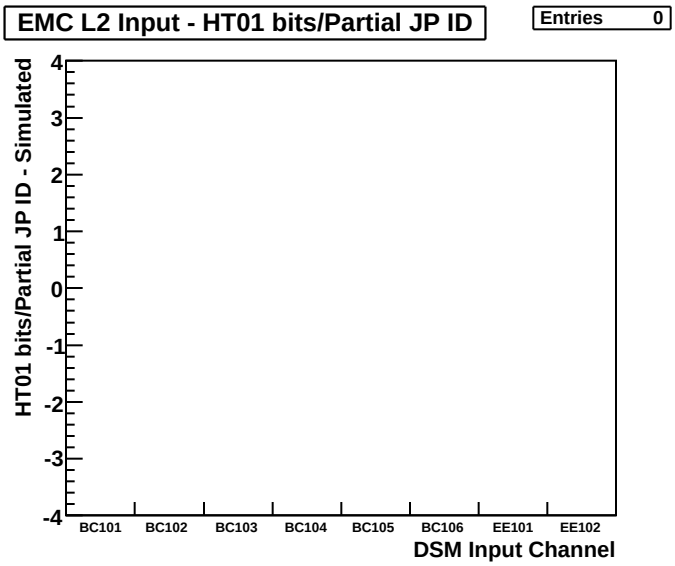

EMC L2 Input - JPZ/JPC bits
Entries 1111176
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
74916 71416 73825 74895 75261 74623 138897 138897
12051 11495 11610 12011 11727 11465
6435 6132 6079 6539 6201 6092
45495 49654 47303 45452 45708 46717

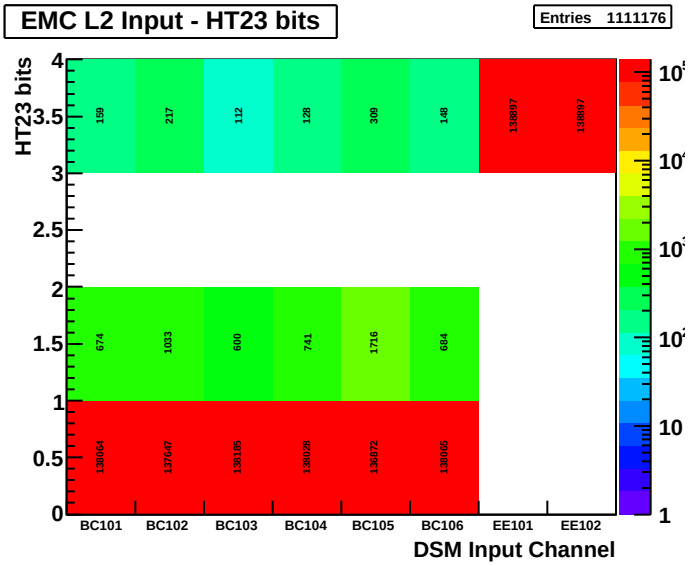

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

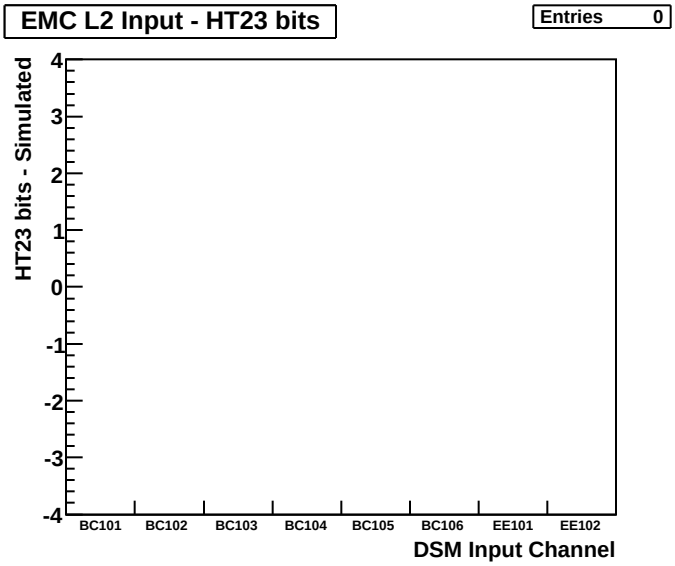

EMC L2 Input - Partial JP Sum
Entries 1111176
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

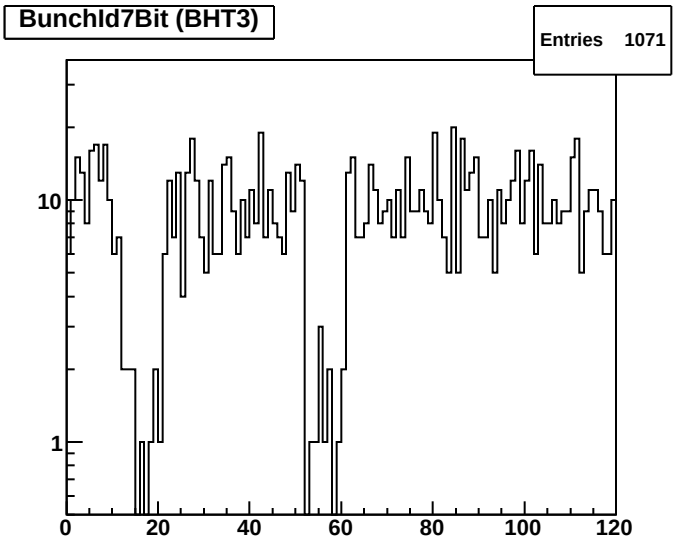

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

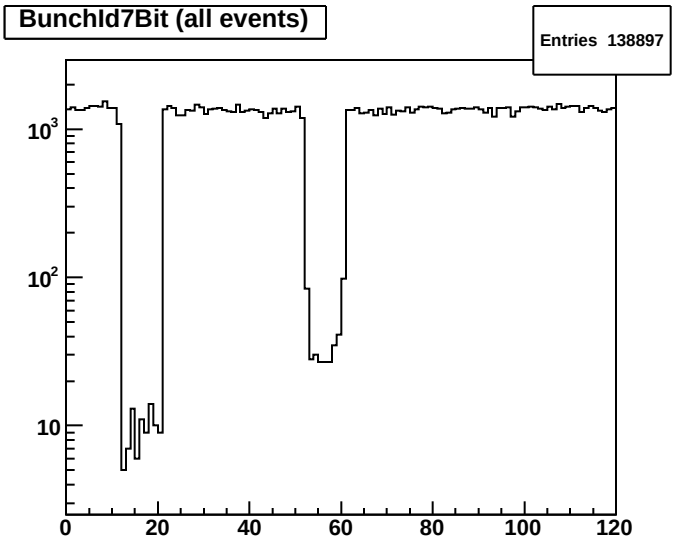

EMC L2 Input - HT01 bits/Partial JP ID
Entries 1111176
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

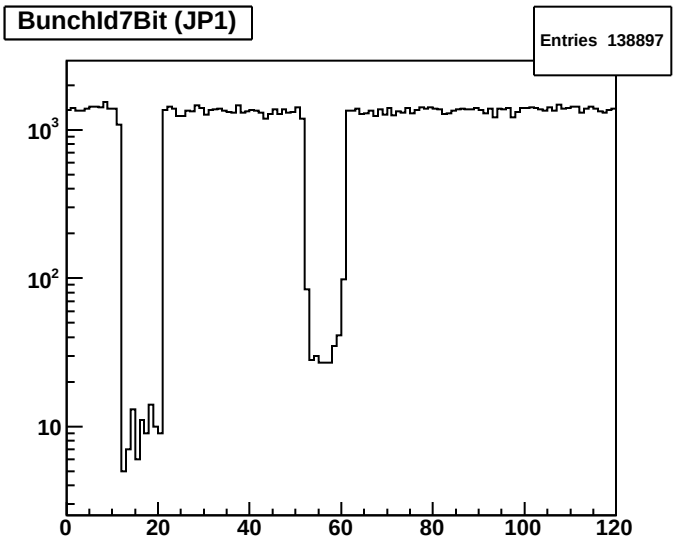

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

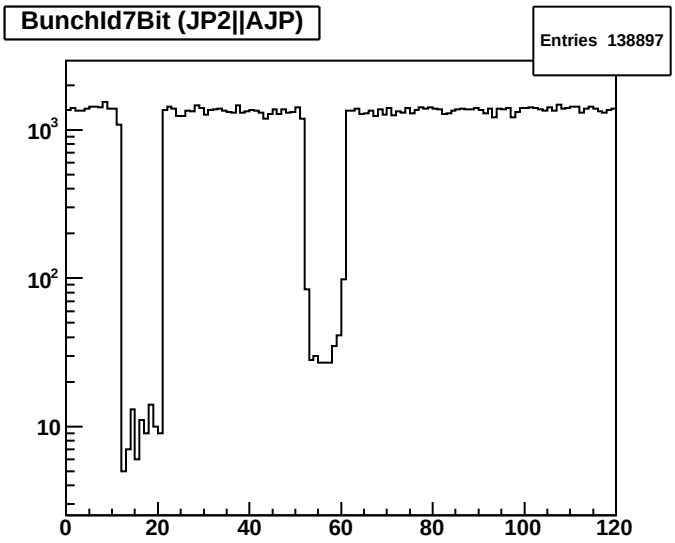

EMC L2 Input - HT23 bits
Entries 1111176
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

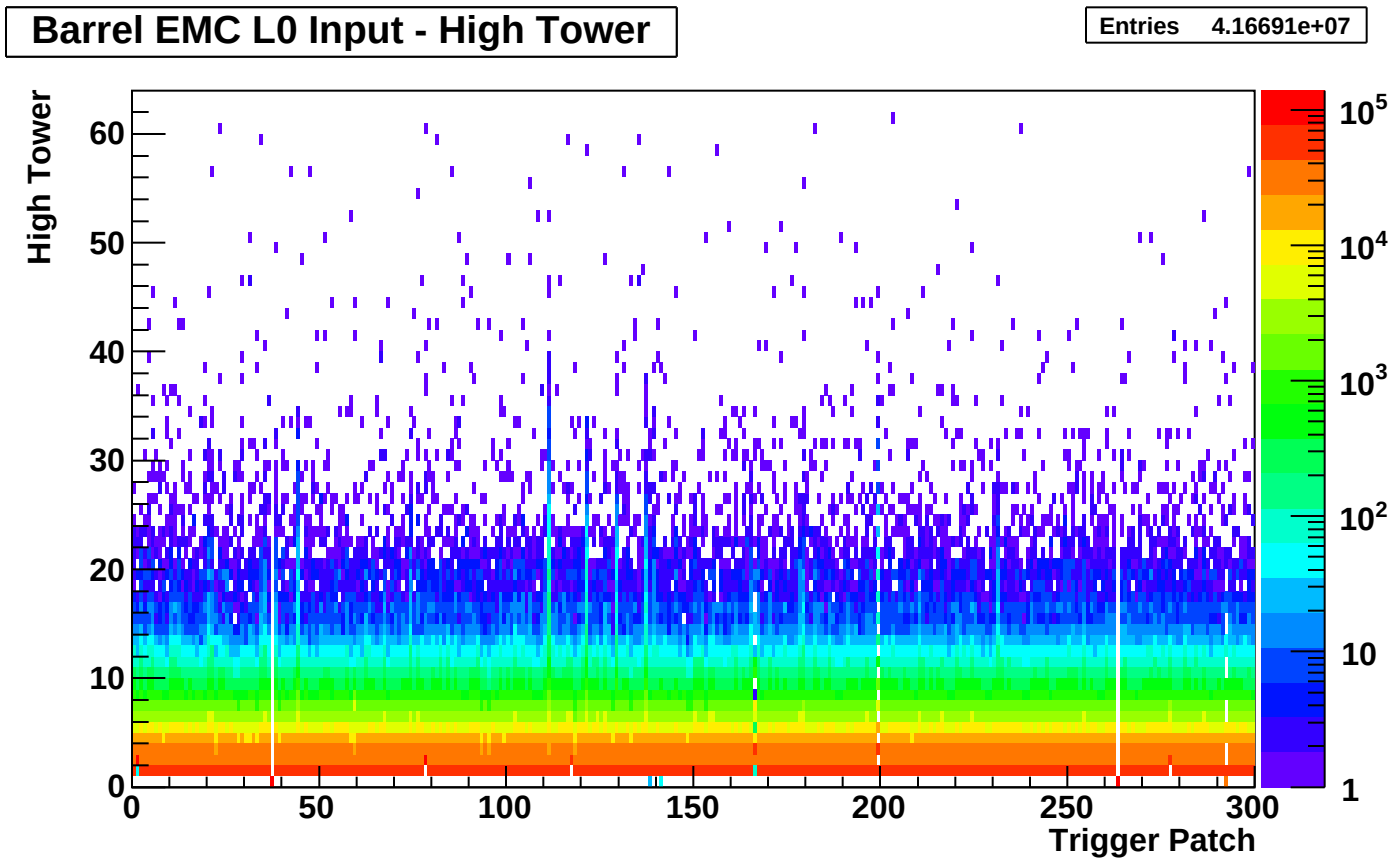

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

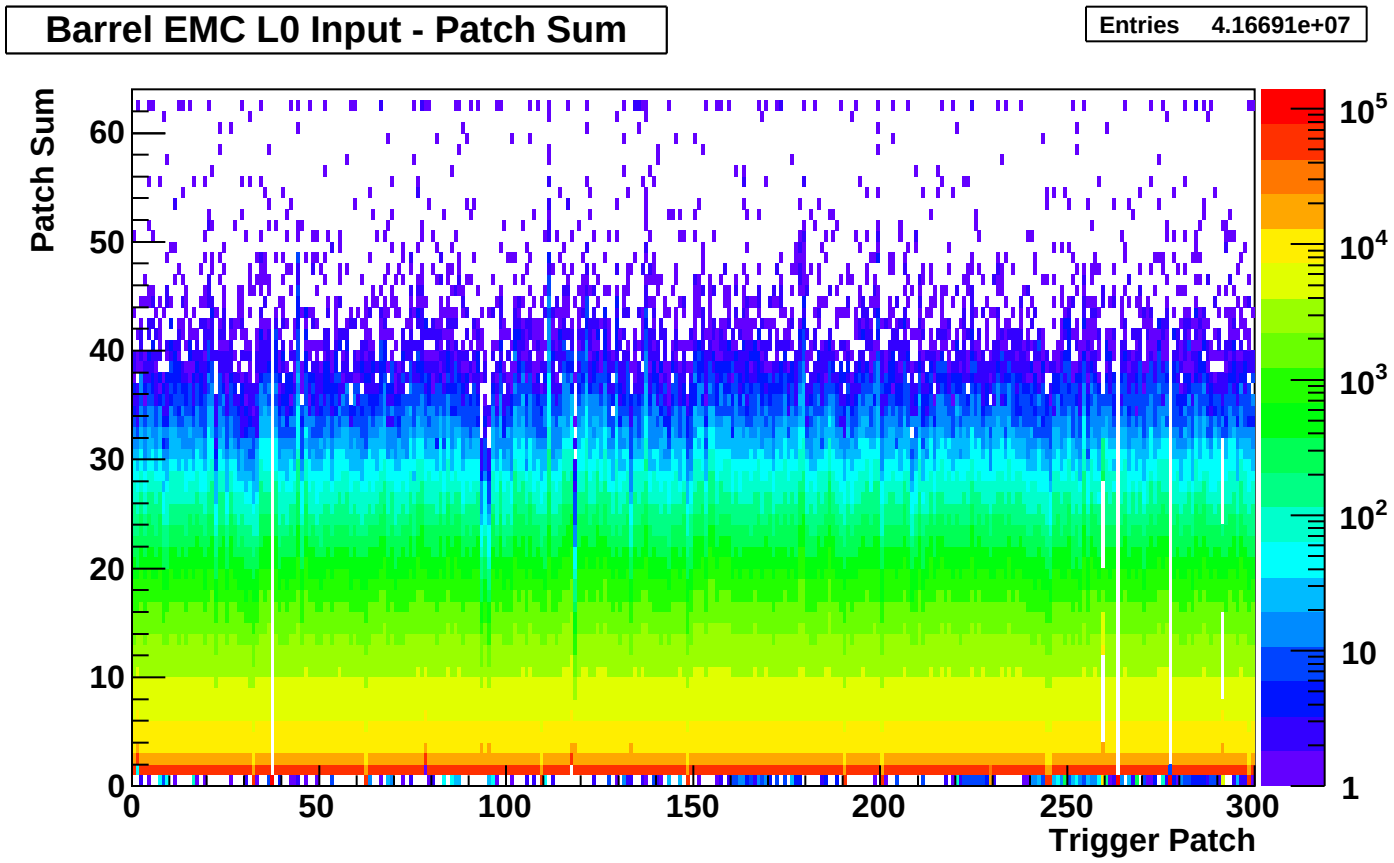

BunchId7Bit (BHT3)
Entries 1071
10
1
0
20
40
60
80
100
120

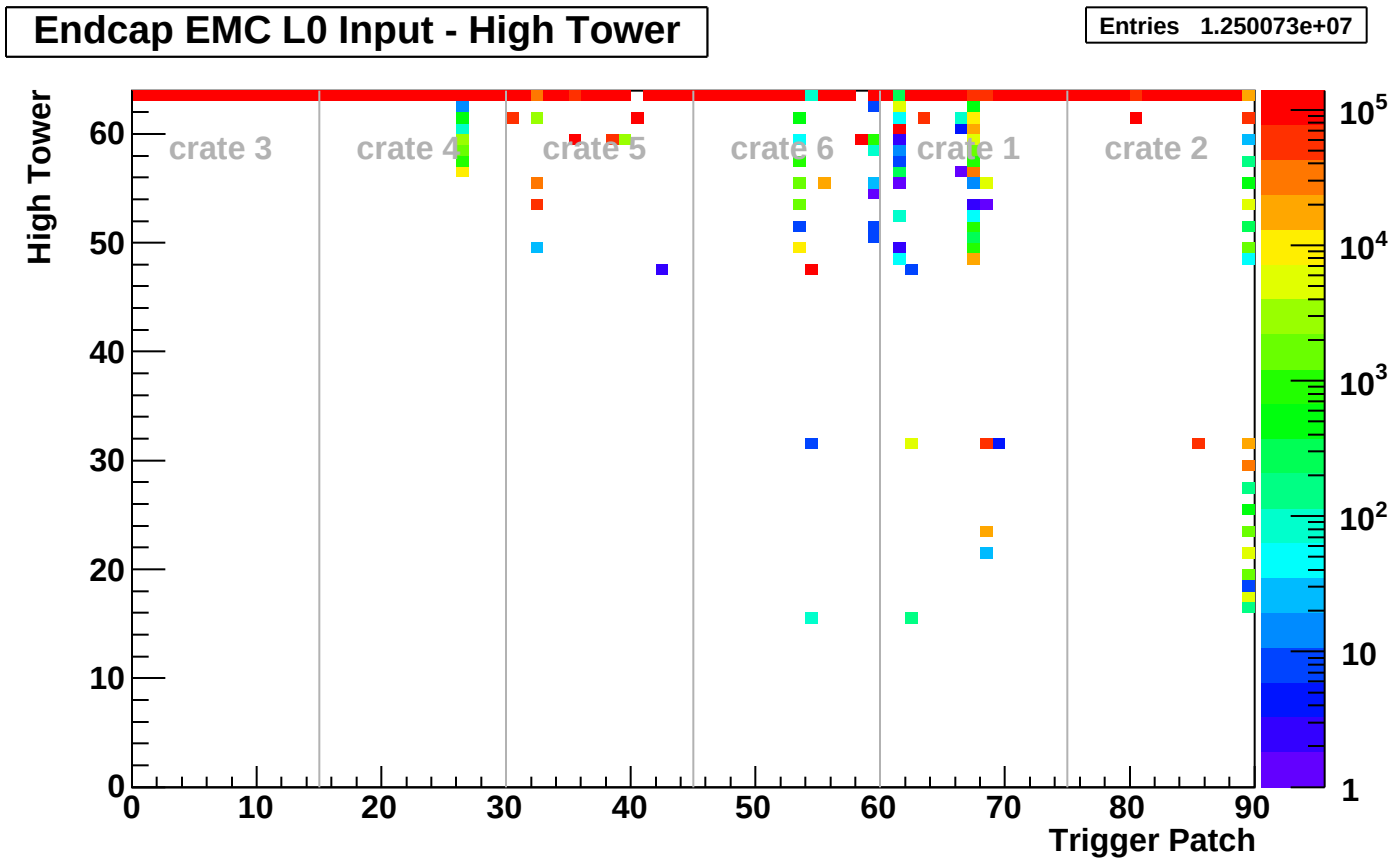

BunchId7Bit (all events)
Entries 138897
10^3
10^2
10
0
20
40
60
80
100
120

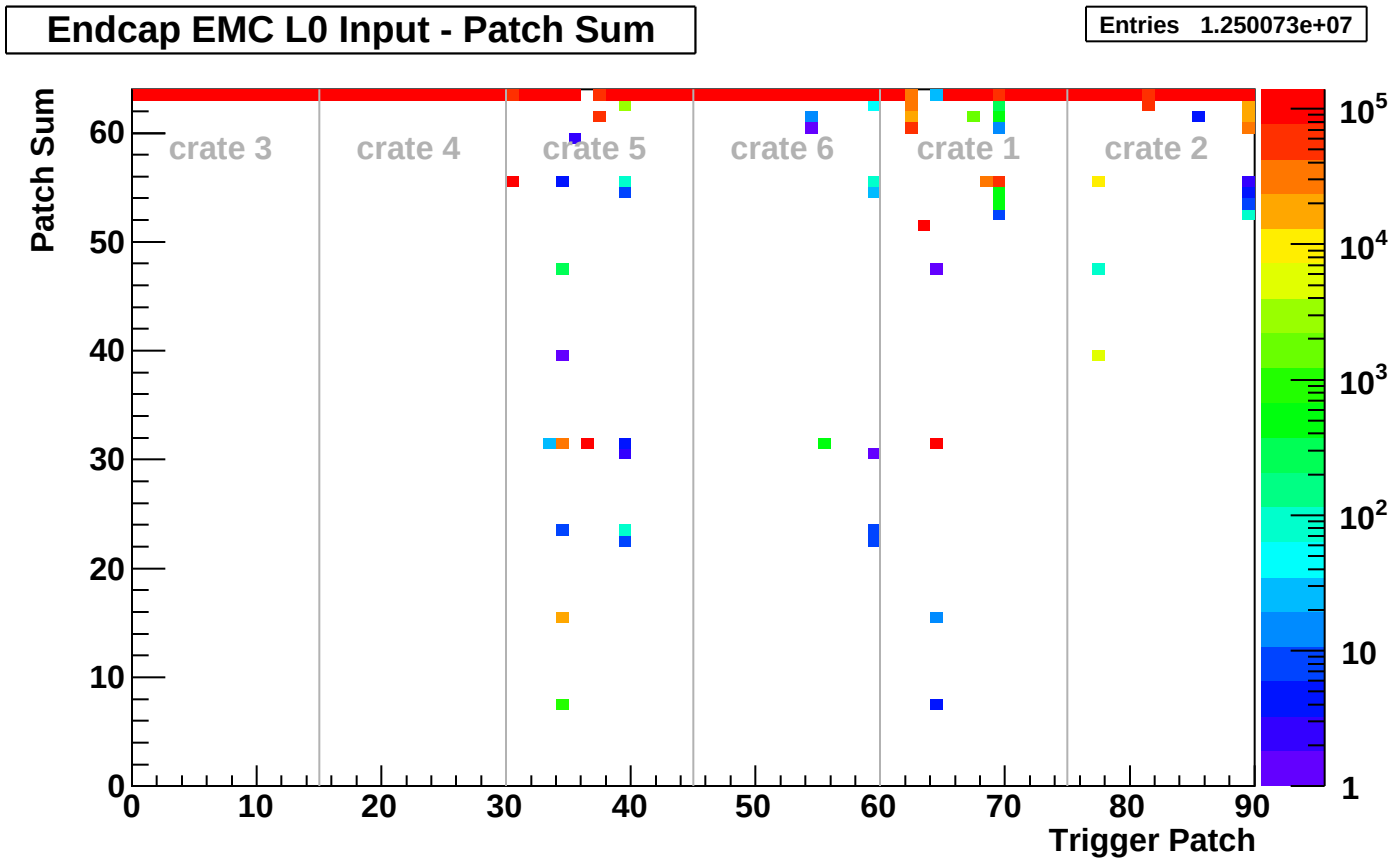

BunchId7Bit (JP1)
Entries 138897
10^3
10^2
10
0
20
40
60
80
100
120

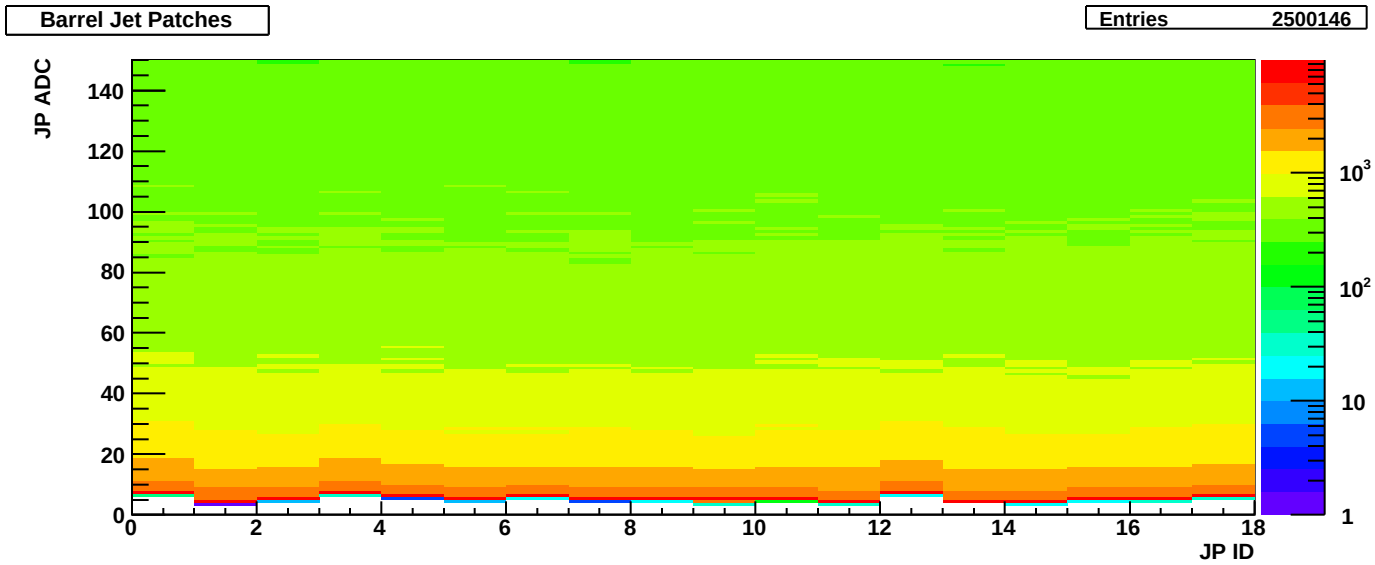

BunchId7Bit (JP2||AJP)
Entries 138897
10^3
10^2
10
0
20
40
60
80
100
120

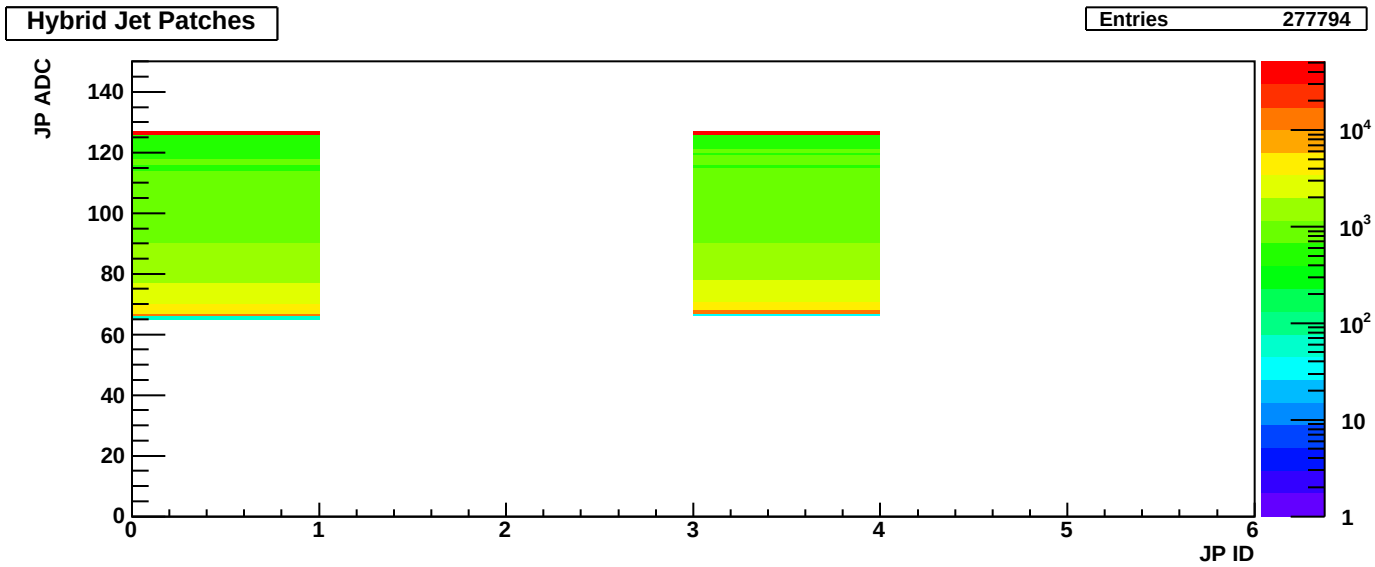

Barrel EMC L0 Input - High Tower
Entries 4.16691e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

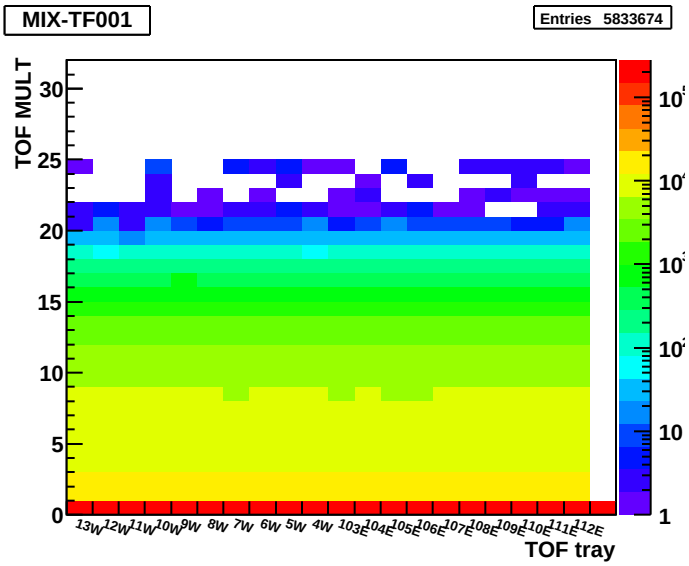

Barrel EMC L0 Input - Patch Sum
Entries 4.16691e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

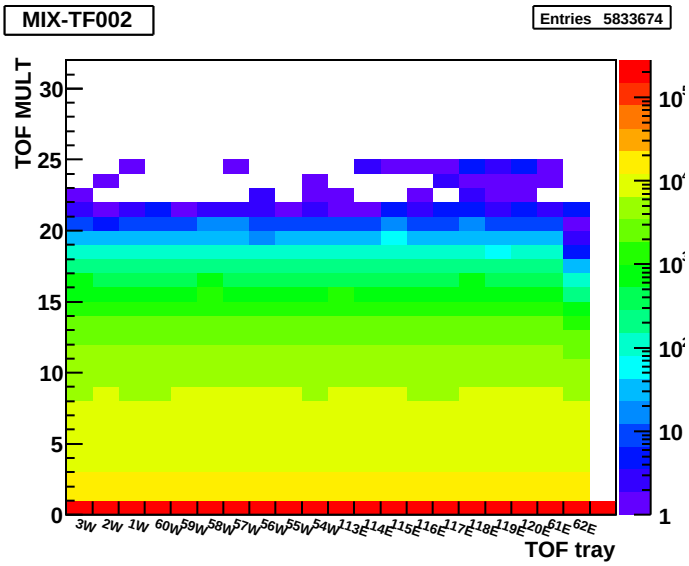

Endcap EMC L0 Input - High Tower
Entries 1.250073e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

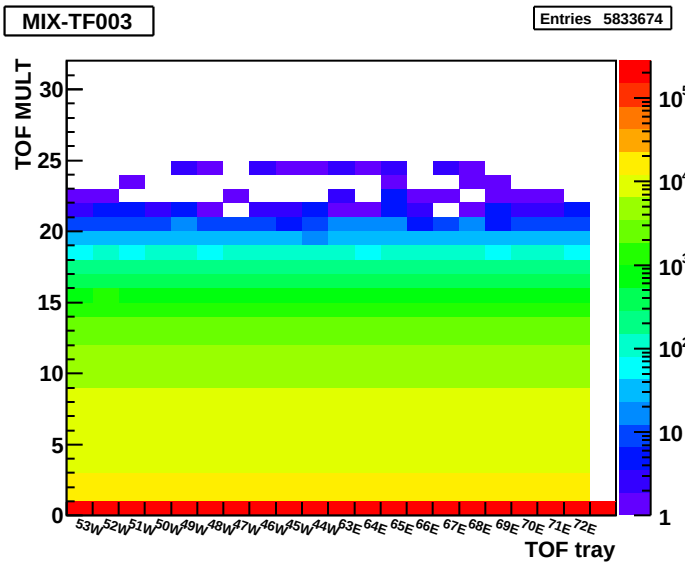

Endcap EMC L0 Input - Patch Sum
Entries 1.250073e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

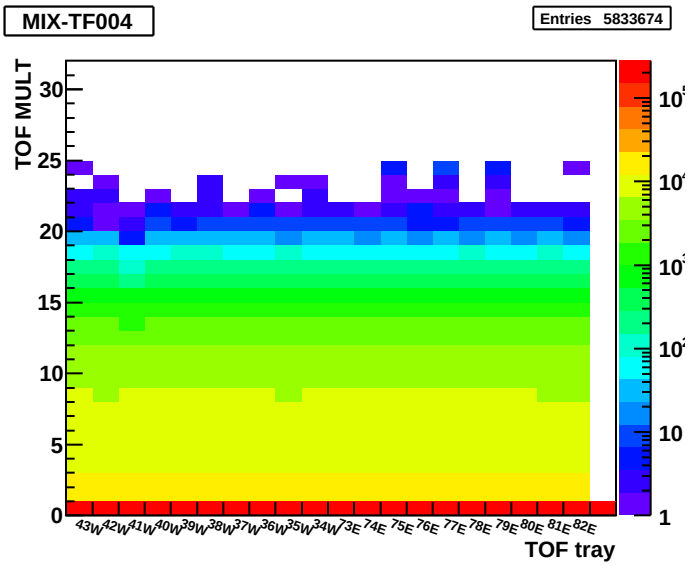

Barrel Jet Patches
Entries 2500146
JP ADC
JP ID

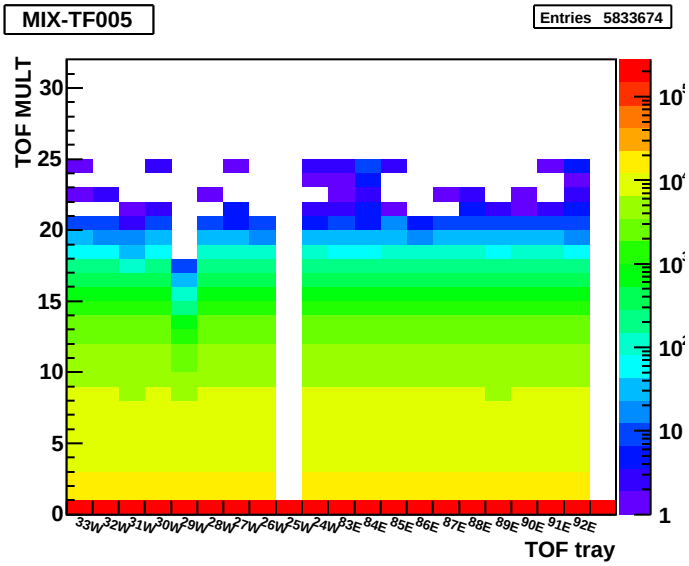

Hybrid Jet Patches
Entries 277794
JP ADC
JP ID

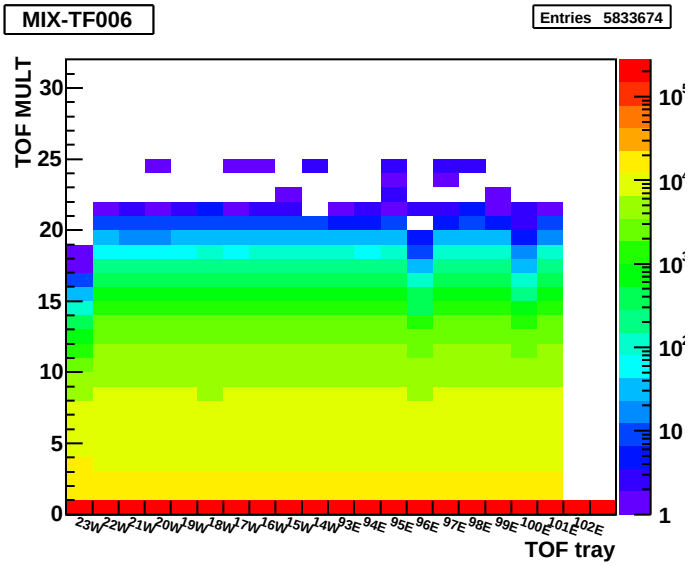

MIX-TF001
Entries 5833674
TOF MULT
TOF tray

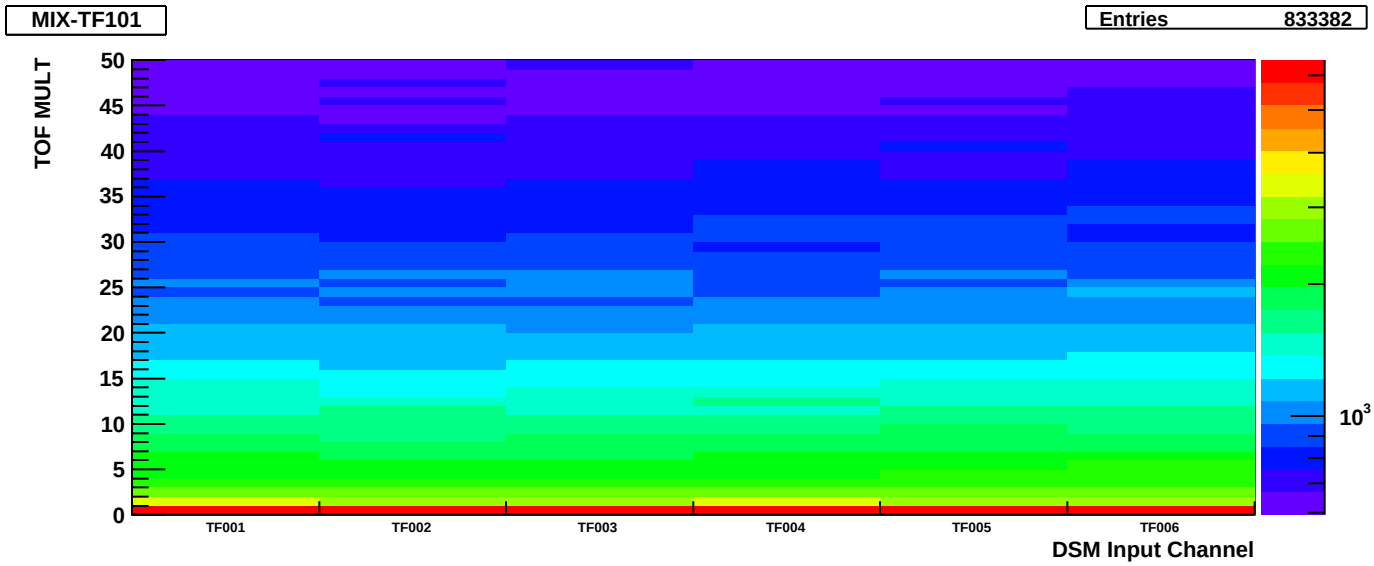

MIX-TF002
Entries 5833674
TOF MULT
TOF tray

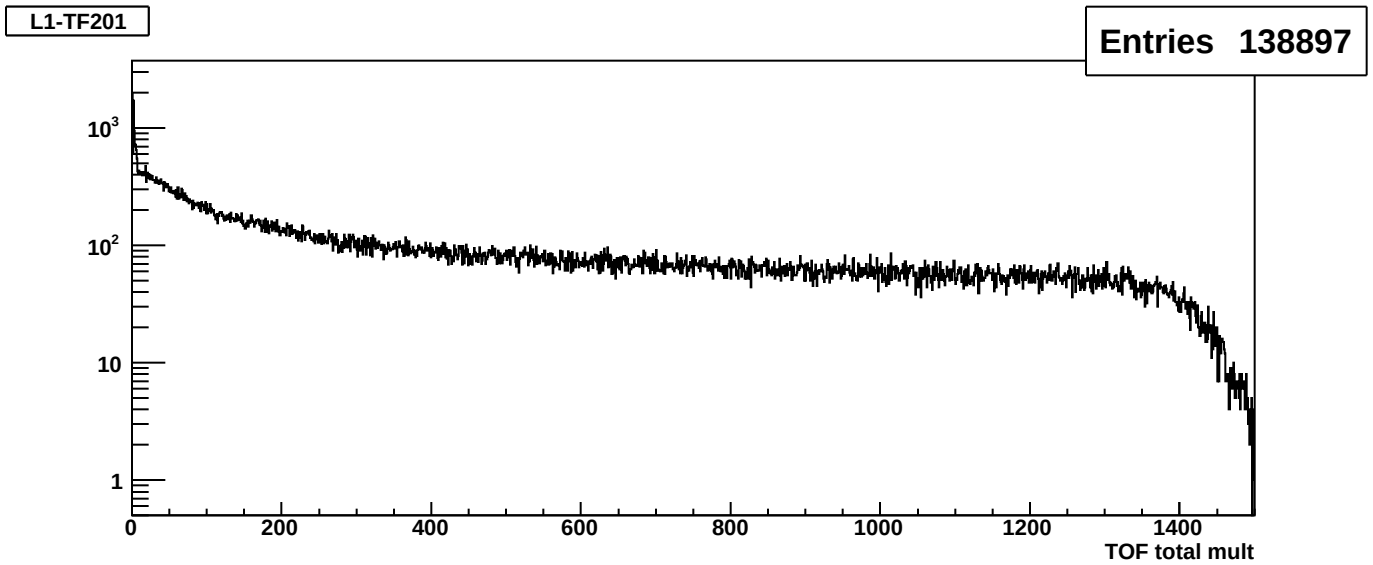

MIX-TF003
Entries 5833674
TOF MULT
TOF tray

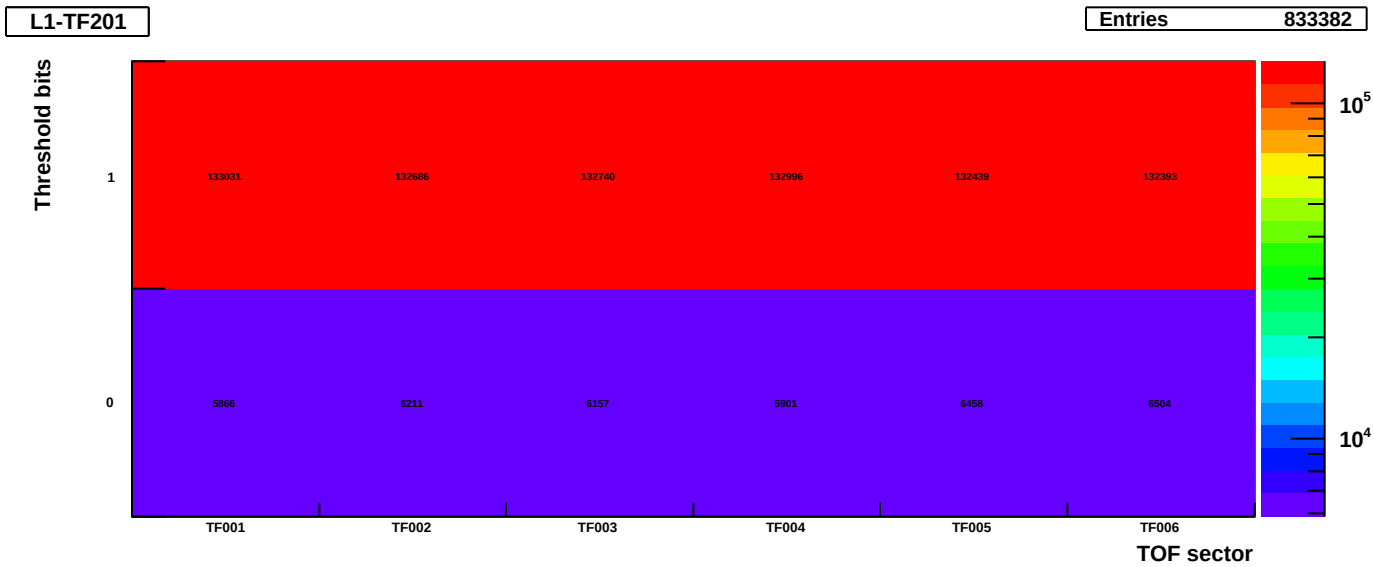

MIX-TF004
Entries 5833674
TOF MULT
TOF tray

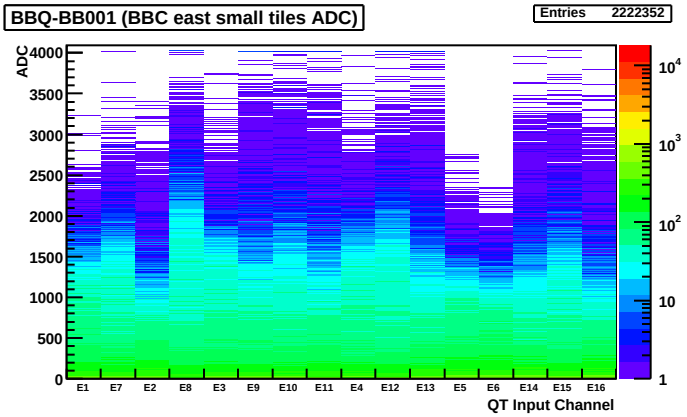

MIX-TF005
Entries 5833674
TOF MULT
TOF tray

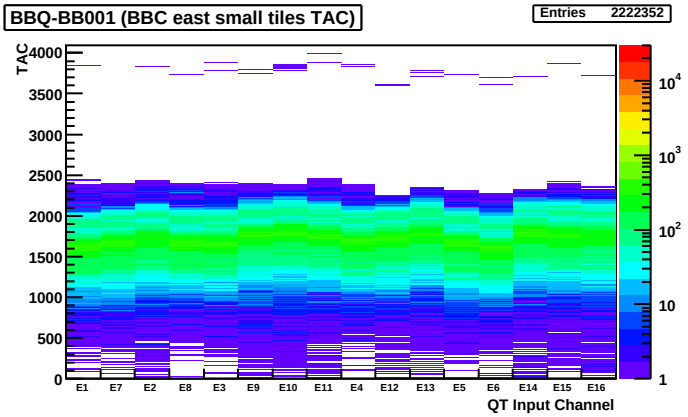

MIX-TF006
Entries 5833674
TOF MULT
TOF tray

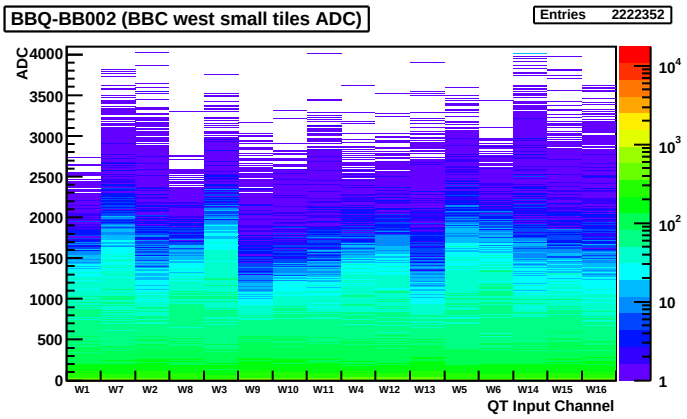

MIX-TF101
Entries 833382
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3

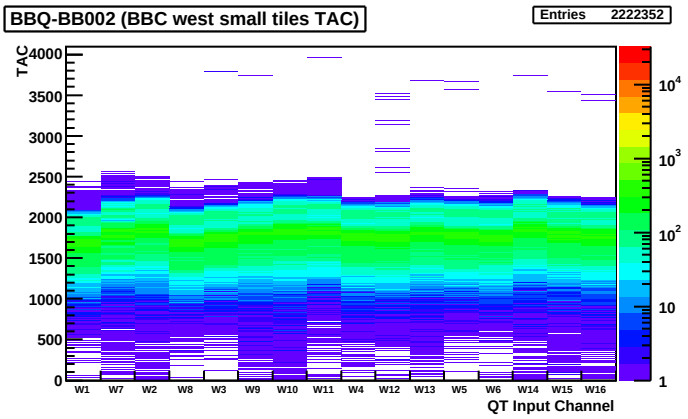

L1-TF201
Entries 138897
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

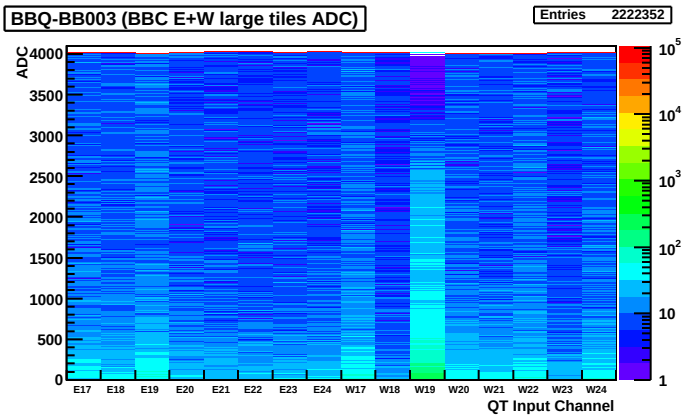

L1-TF201
Entries 833382
Threshold bits
1
0
133031
132686
132740
132996
132439
132393
5866
6211
6157
5901
6458
6504
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5
10^4

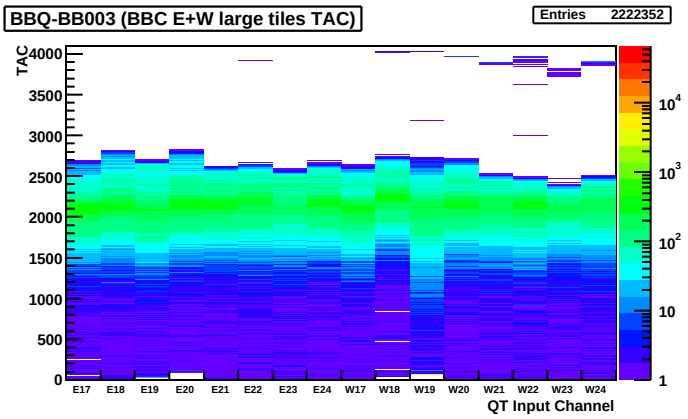

BBQ-BB001 (BBC east small tiles ADC)
Entries 2222352
ADC
QT Input Channel

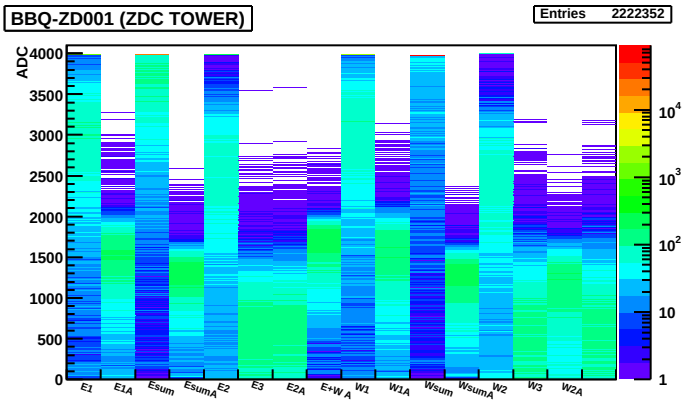

BBQ-BB001 (BBC east small tiles TAC)
Entries 2222352
TAC
QT Input Channel

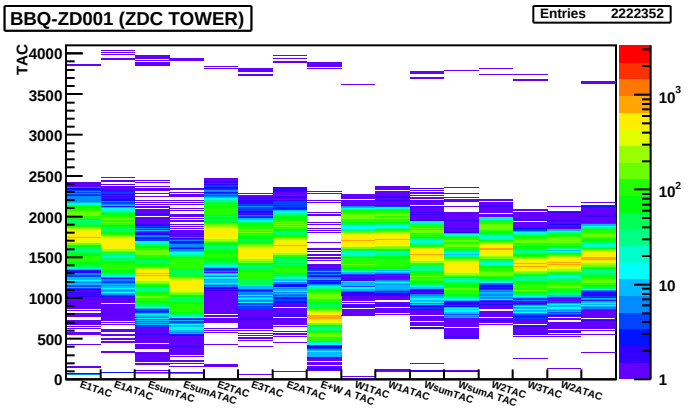

BBQ-BB002 (BBC west small tiles ADC)
Entries 2222352
ADC
QT Input Channel

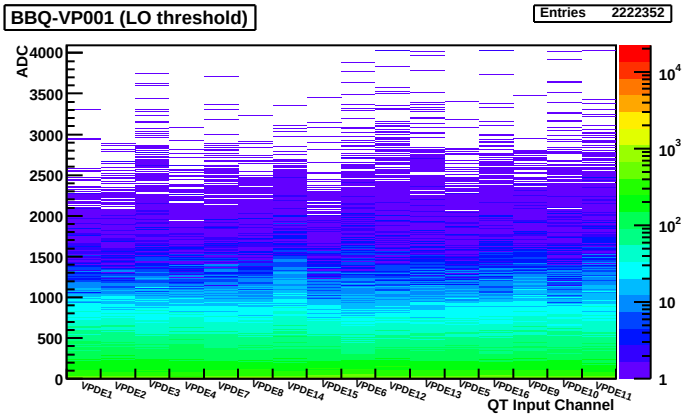

BBQ-BB002 (BBC west small tiles TAC)
Entries 2222352
TAC
QT Input Channel

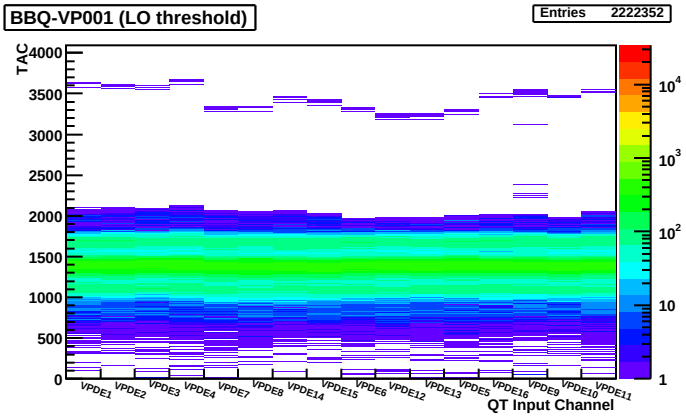

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 2222352
ADC
QT Input Channel

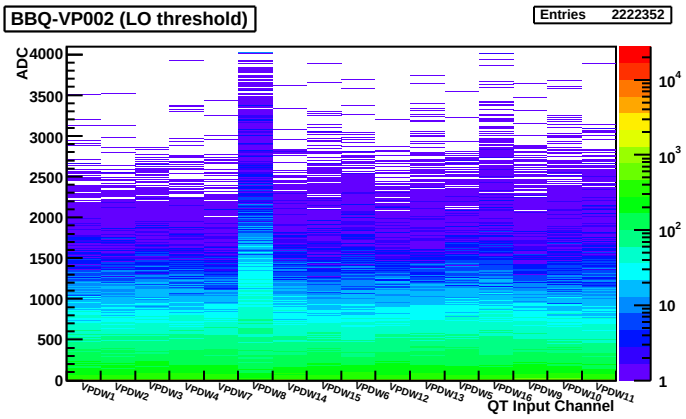

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 2222352
TAC
QT Input Channel

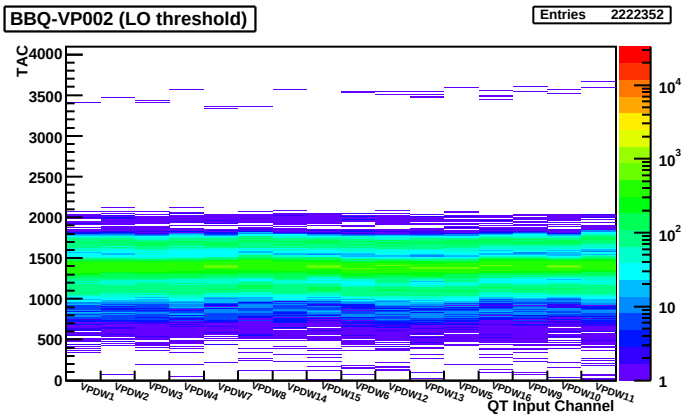

BBQ-ZD001 (ZDC TOWER)
Entries 2222352
ADC

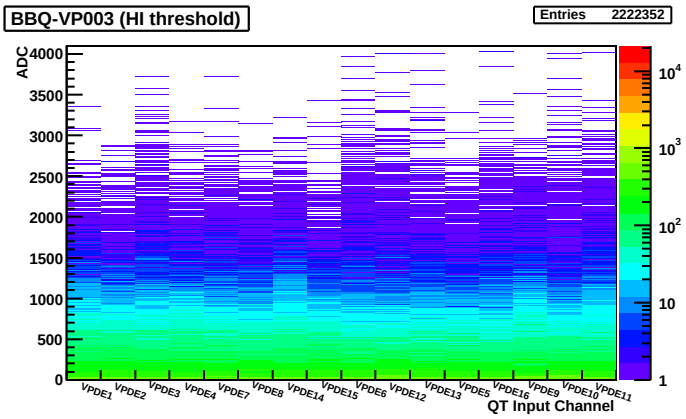

BBQ-ZD001 (ZDC TOWER)
Entries 2222352
TAC

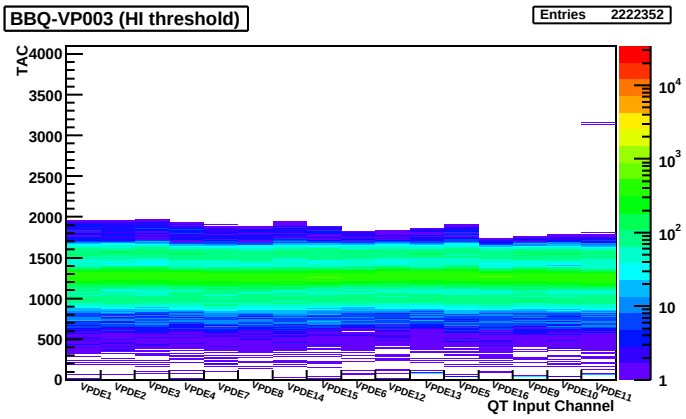

BBQ-VP001 (LO threshold)
Entries 2222352
ADC
QT Input Channel

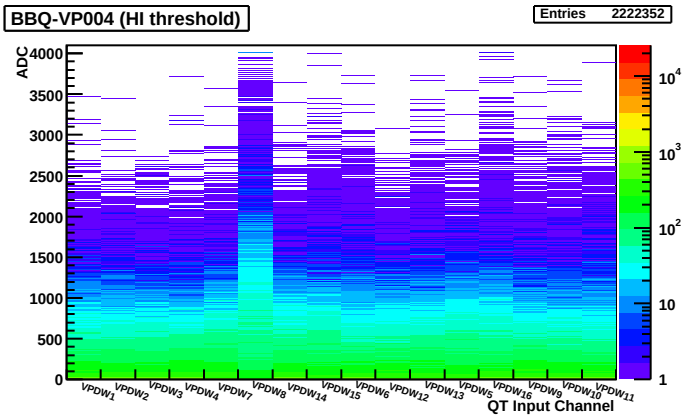

BBQ-VP001 (LO threshold)
Entries 2222352
TAC
QT Input Channel

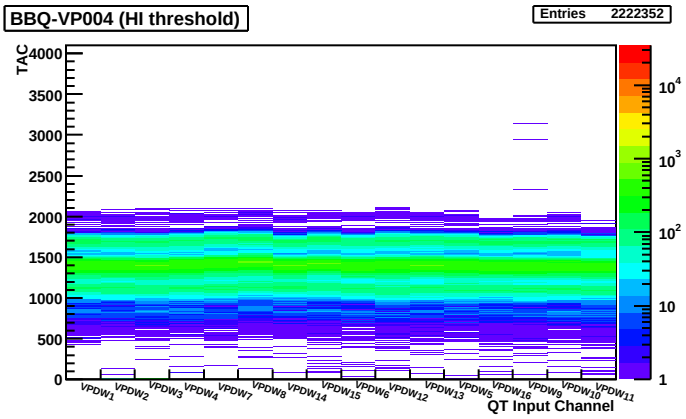

BBQ-VP002 (LO threshold)
Entries 2222352
ADC
QT Input Channel

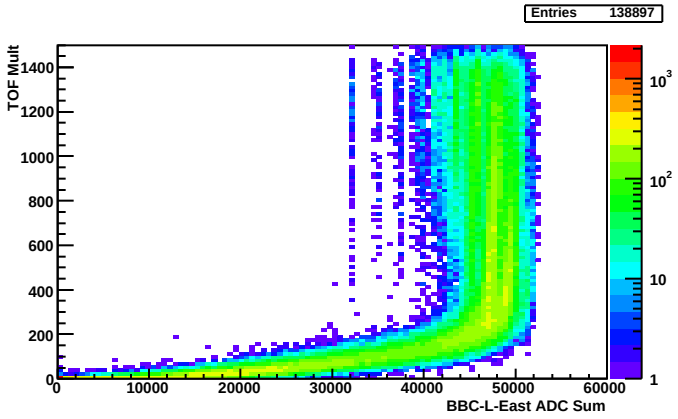

BBQ-VP002 (LO threshold)
Entries 2222352
TAC
QT Input Channel

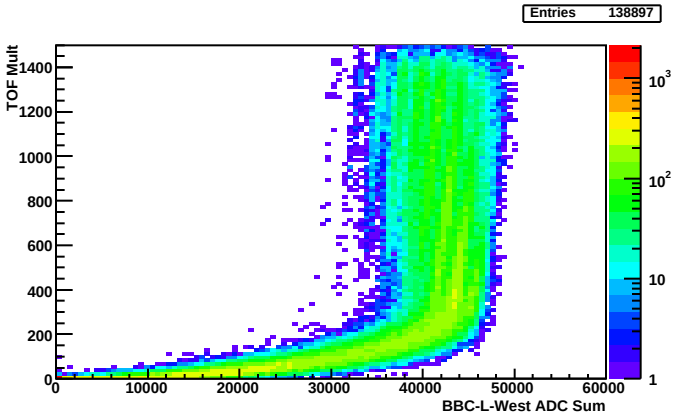

BBQ-VP003 (HI threshold)
Entries 2222352
ADC
QT Input Channel

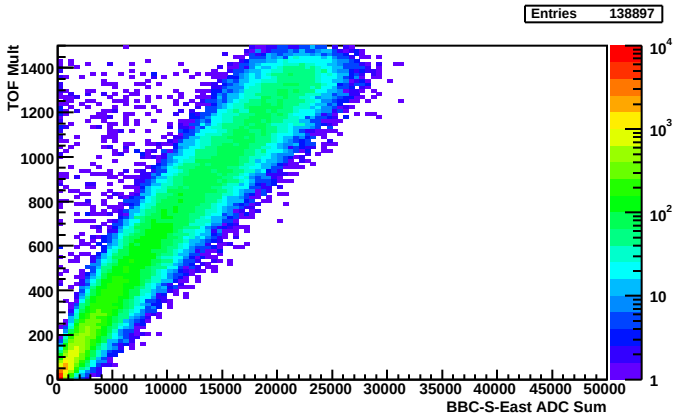

BBQ-VP003 (HI threshold)
Entries 2222352
TAC
QT Input Channel

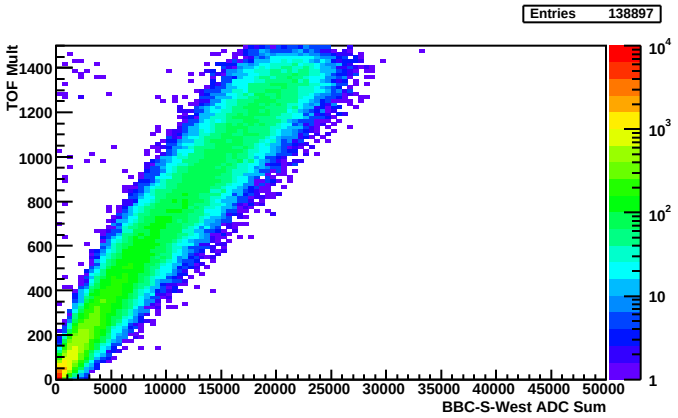

BBQ-VP004 (HI threshold)
Entries 2222352
ADC
QT Input Channel

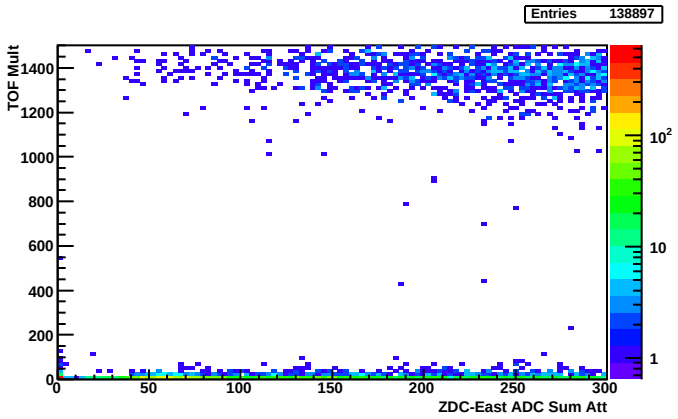

BBQ-VP004 (HI threshold)
Entries 2222352
TAC
QT Input Channel

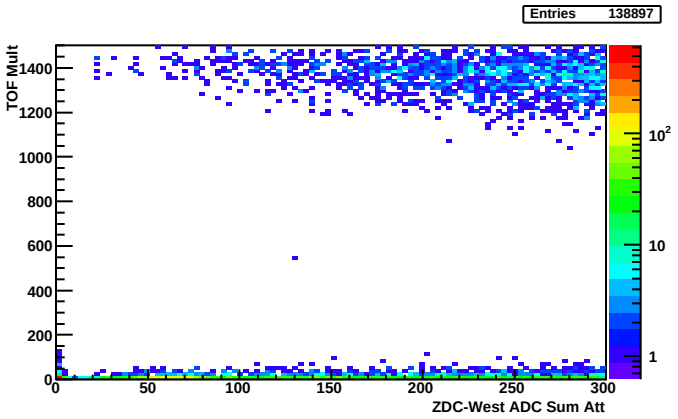

Entries 138897
TOF Mult
BBC-L-East ADC Sum

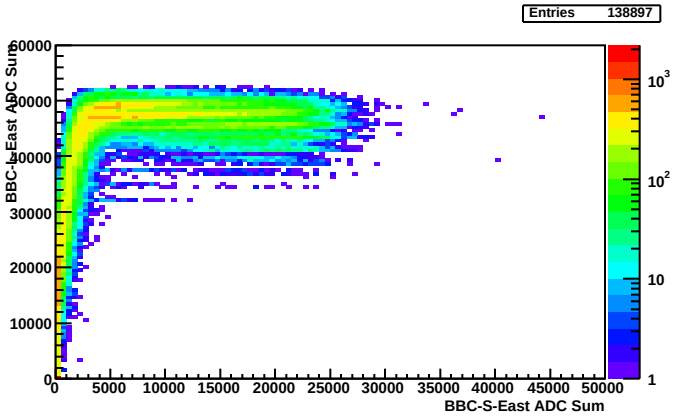

Entries 138897
TOF Mult
BBC-L-West ADC Sum

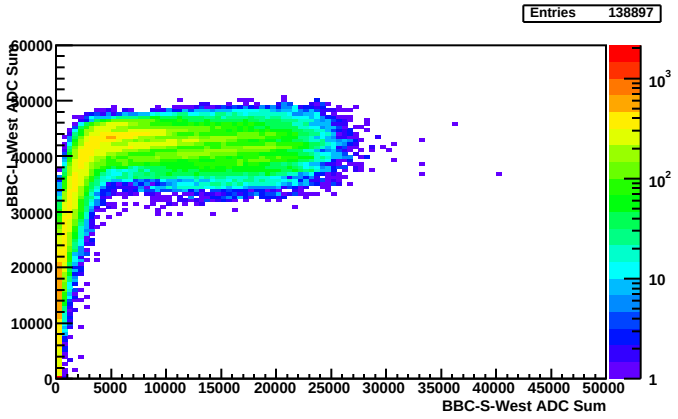

Entries 138897
TOF Mult
BBC-S-East ADC Sum

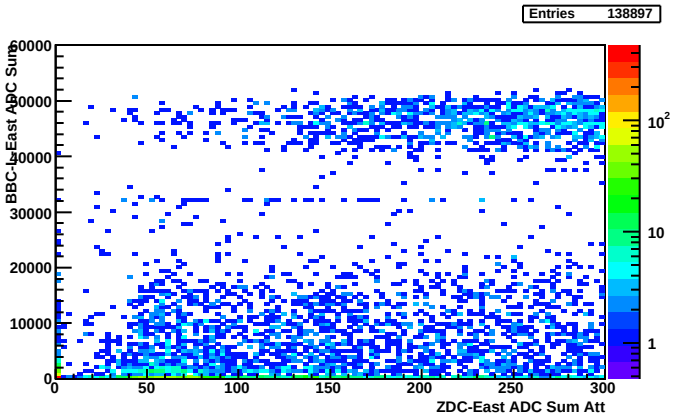

Entries 138897
TOF Mult
BBC-S-West ADC Sum


Entries 138897
TOF Mult
ZDC-East ADC Sum Att


Entries 138897
TOF Mult
ZDC-West ADC Sum Att


Entries 138897
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 138897
BBC-L-West ADC Sum
BBC-S-West ADC Sum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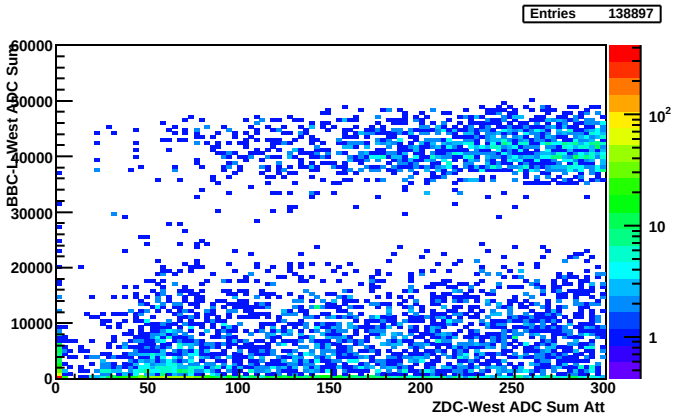
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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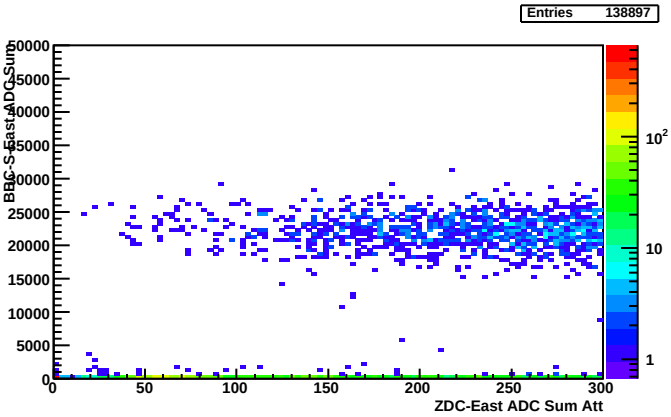
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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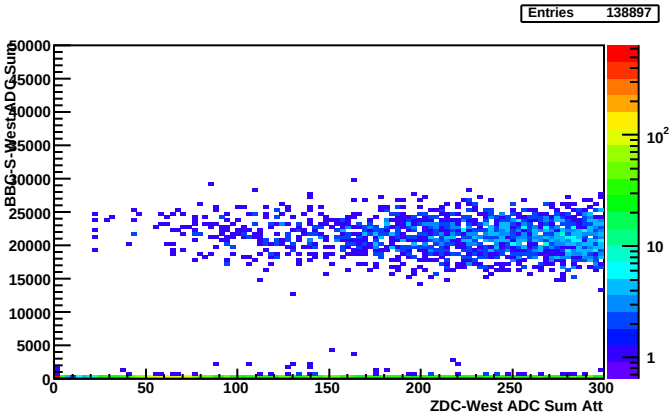
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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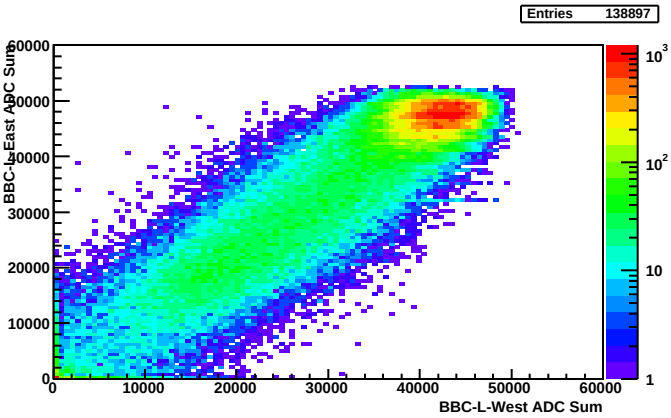
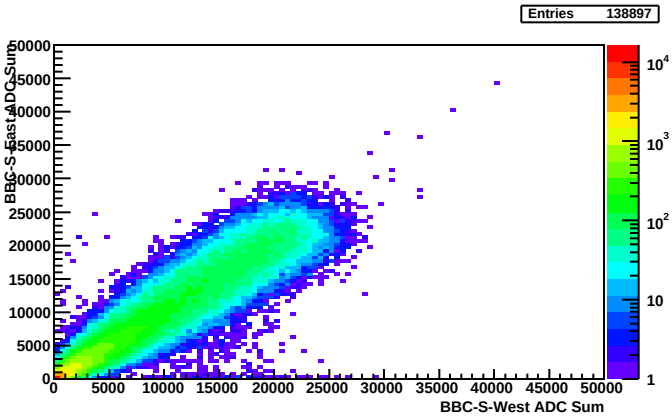
BBC-S-West ADC Sum
ZDC-West ADC Sum Att


Entries 138897
BBC-L-East ADC Sum
BBC-L-West ADC Sum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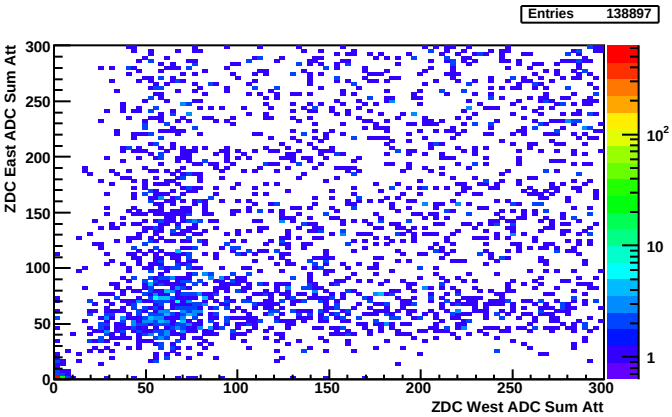
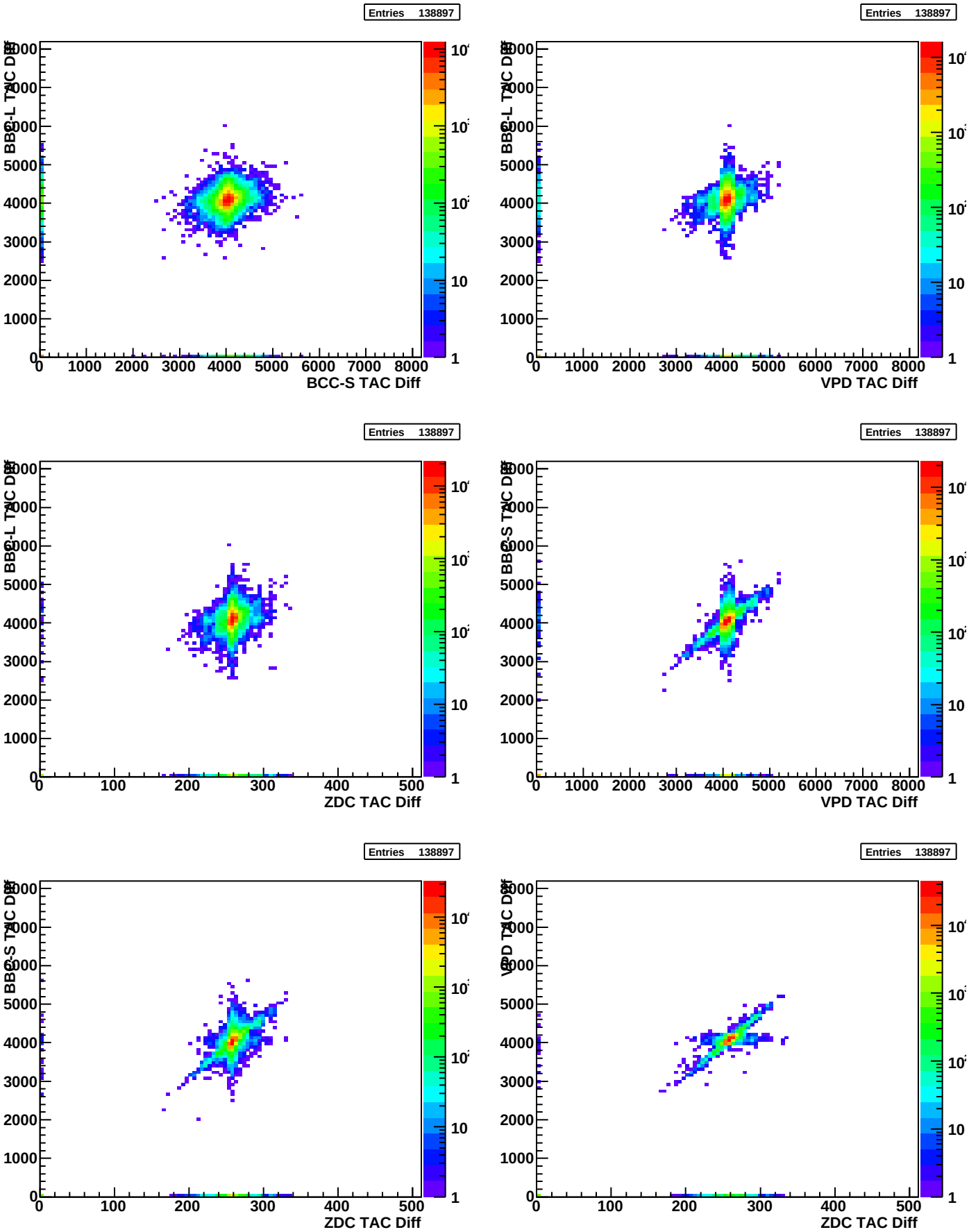
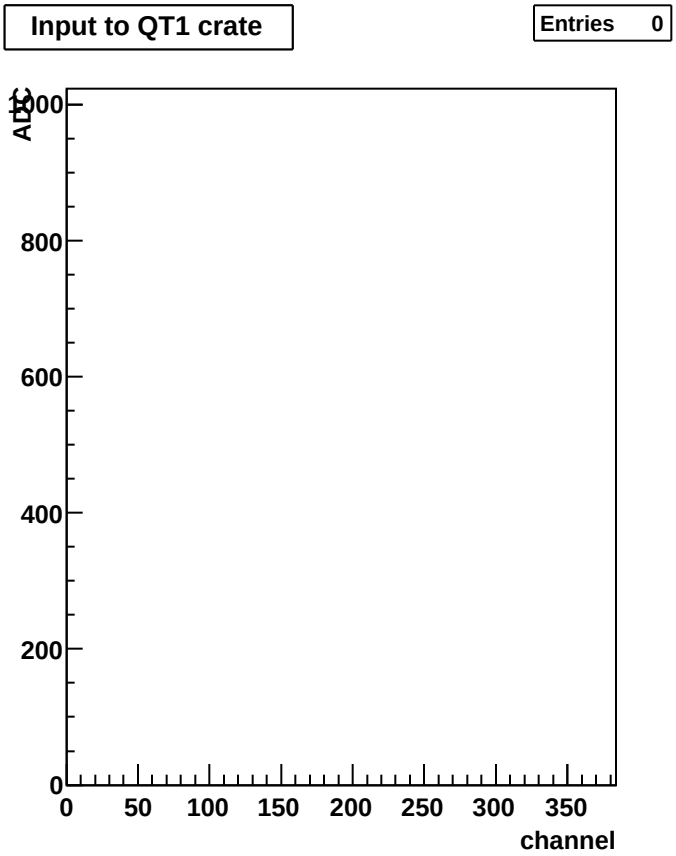
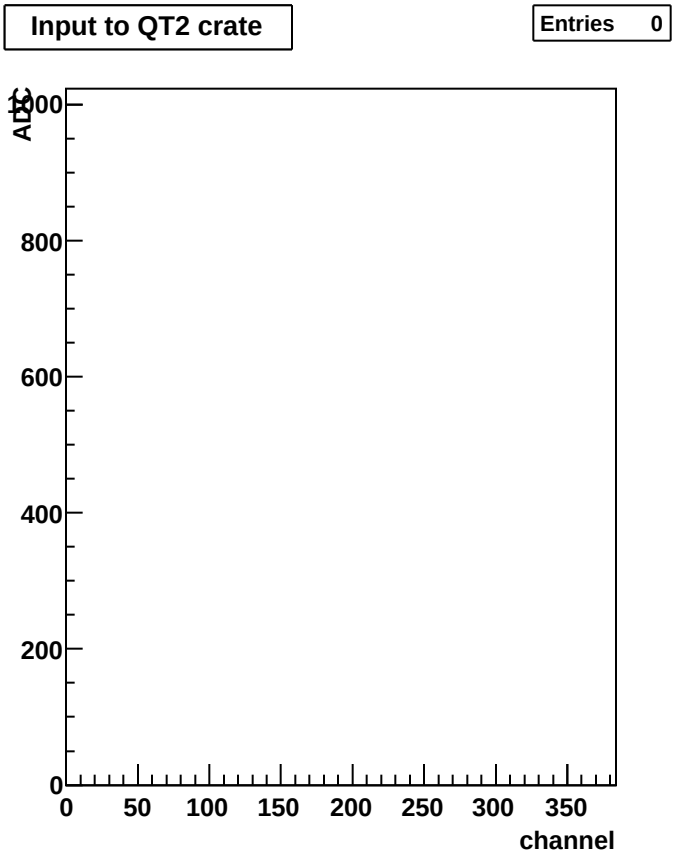
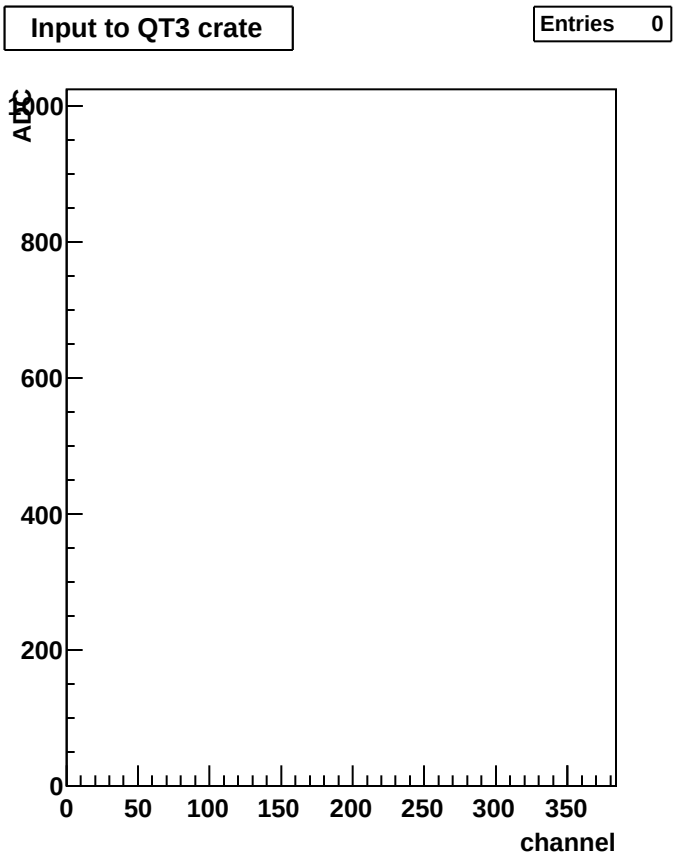
BBC-S-East ADC Sum
BBC-S-West ADC Sum

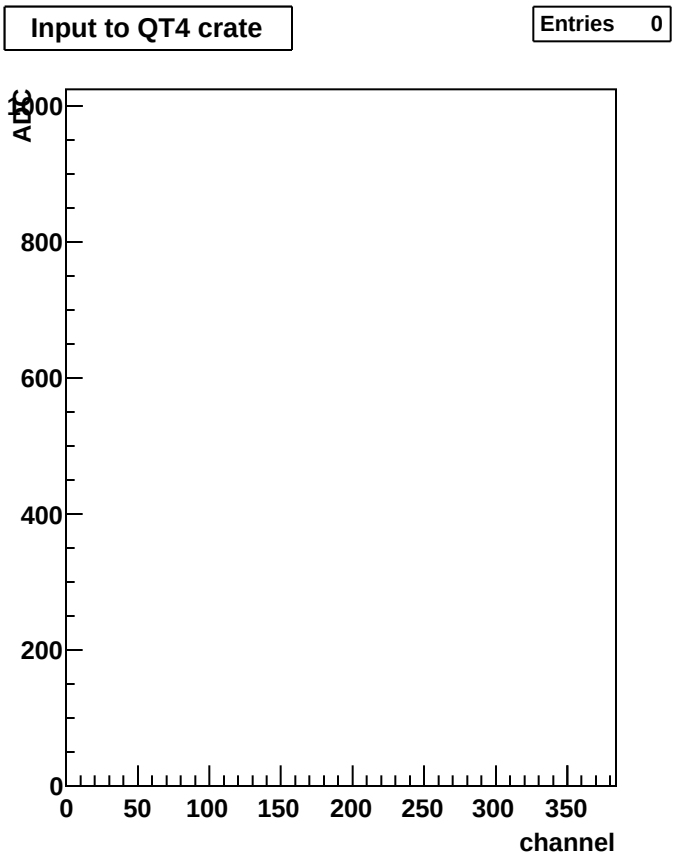

Entries 138897
ZDC East ADC Sum Att
ZDC West ADC Sum Att

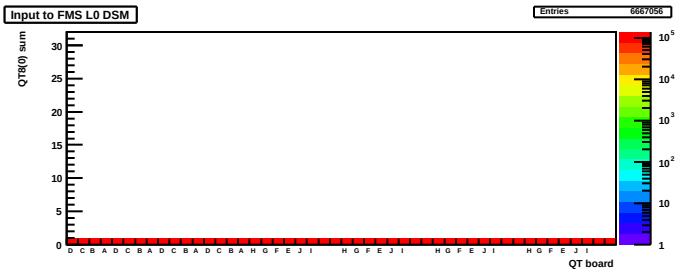

Entries 138897
BBC-L TAC Diff
BCC-S TAC Diff
Entries 138897
BBC-L TAC Diff
VPD TAC Diff
Entries 138897
BBC-L TAC Diff
ZDC TAC Diff
Entries 138897
BBC-S TAC Diff
VPD TAC Diff
Entries 138897
BBC-S TAC Diff
ZDC TAC Diff
Entries 138897
VPD TAC Diff
ZDC TAC Diff

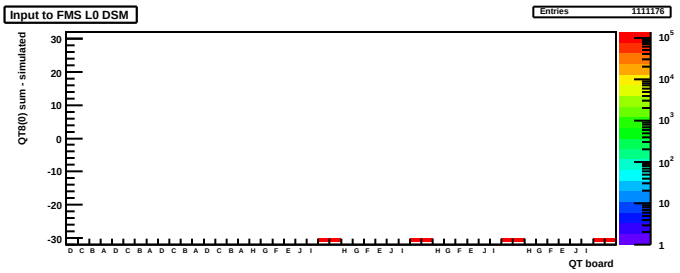

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

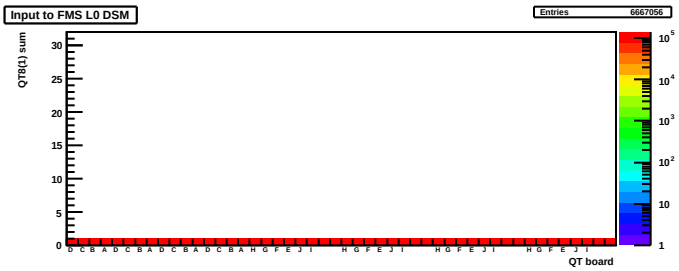

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

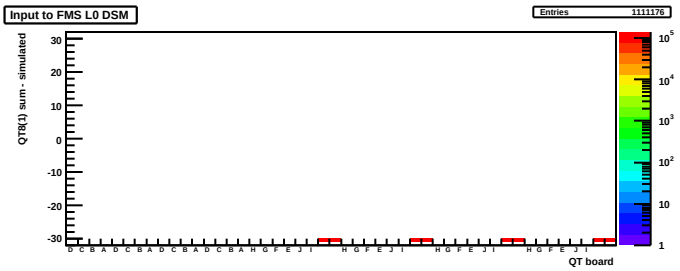

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

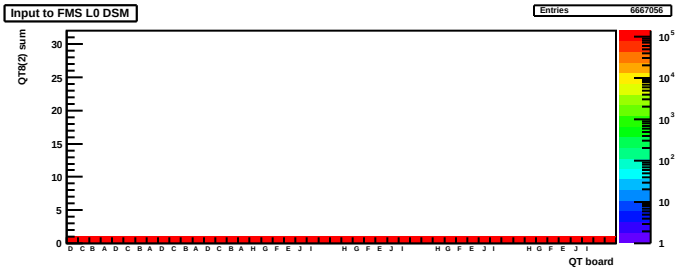

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

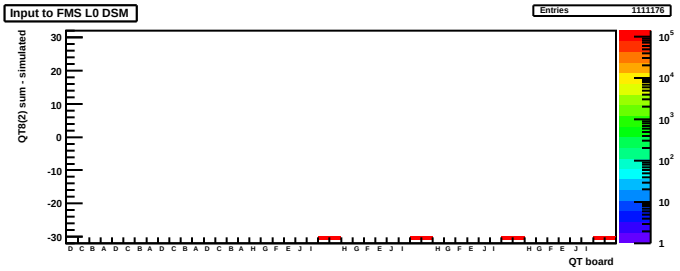

Input to FMS L0 DSM
Entries 6667056
QT8(0) sum
QT board

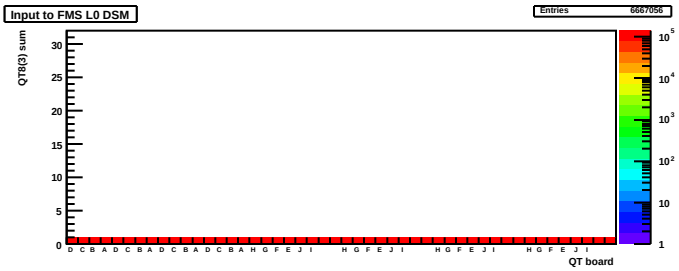

Input to FMS L0 DSM
Entries 1111176
QT8(0) sum - simulated
QT board

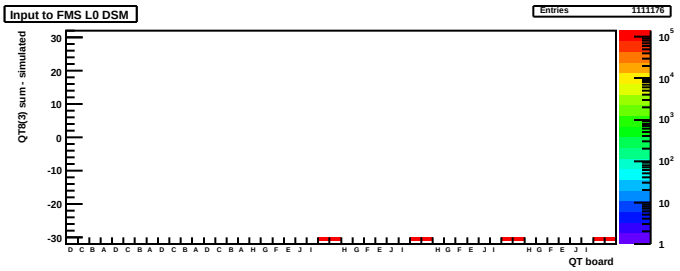

Input to FMS L0 DSM
Entries 6667056
QT8(1) sum
QT board

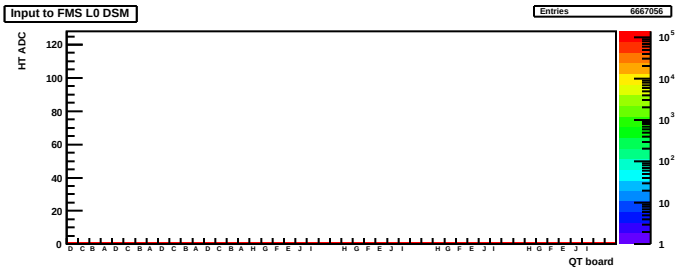

Input to FMS L0 DSM
Entries 1111176
QT8(1) sum - simulated
QT board

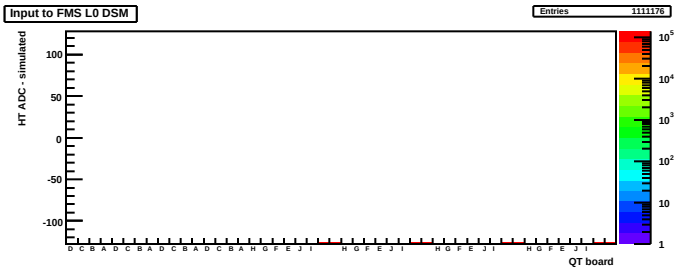

Input to FMS L0 DSM
Entries 6667056
QT8(2) sum
QT board

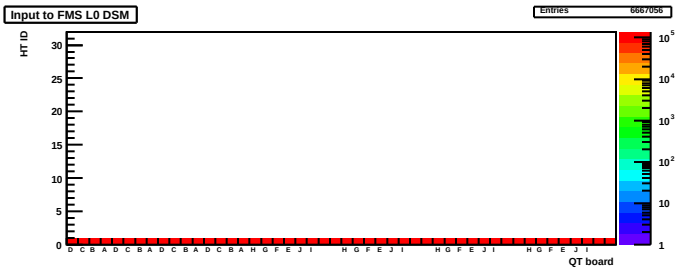

Input to FMS L0 DSM
Entries 1111176
QT8(2) sum - simulated
QT board

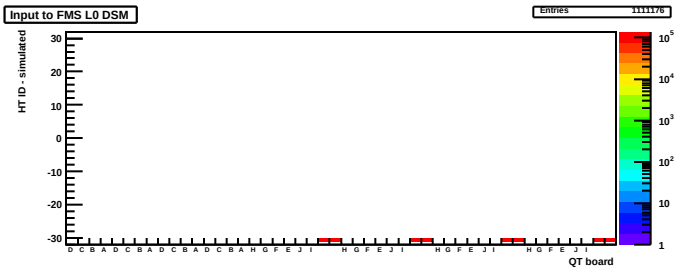

Input to FMS L0 DSM
Entries 6667056
QT8(3) sum
QT board

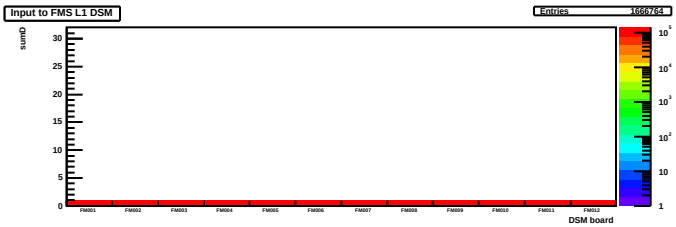

Input to FMS L0 DSM
Entries 1111176
QT8(3) sum - simulated
QT board

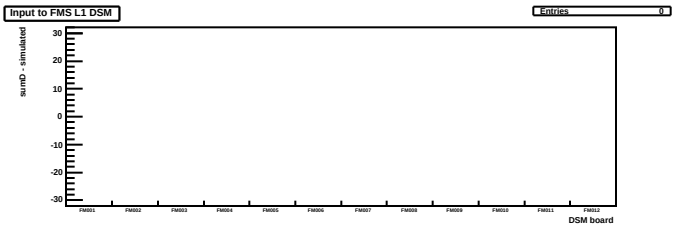

Input to FMS L0 DSM
Entries 6667056
HT ADC
QT board

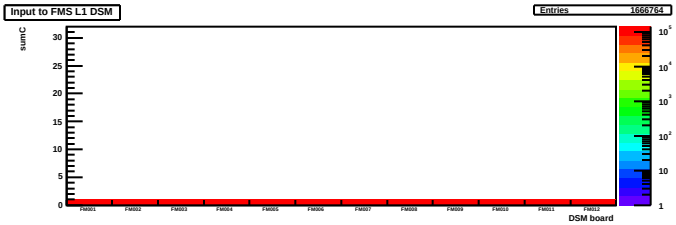

Input to FMS L0 DSM
Entries 1111176
HT ADC - simulated
QT board

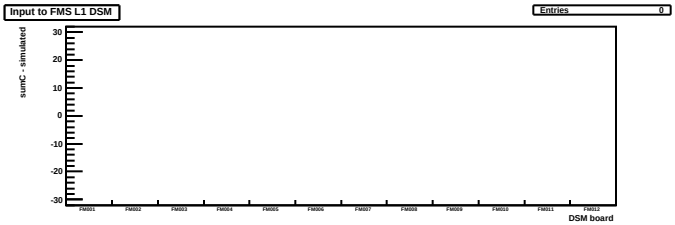

Input to FMS L0 DSM
Entries 6667056
HT ID
QT board

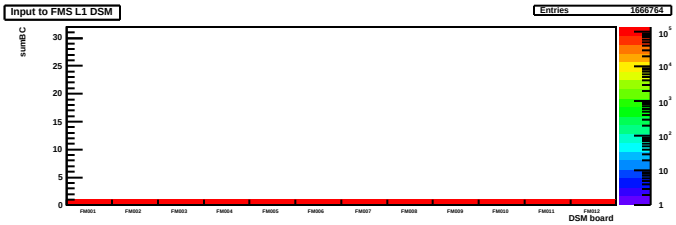

Input to FMS L0 DSM
Entries 1111176
HT ID - simulated
QT board

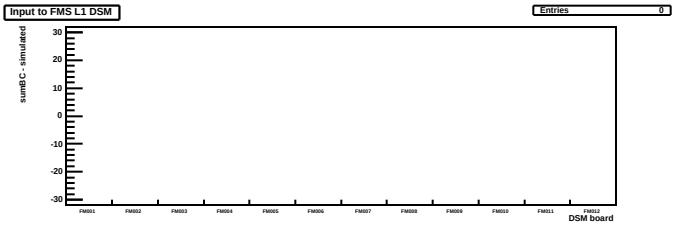

Input to FMS L1 DSM
Entries 1666764
sumD
DSM board

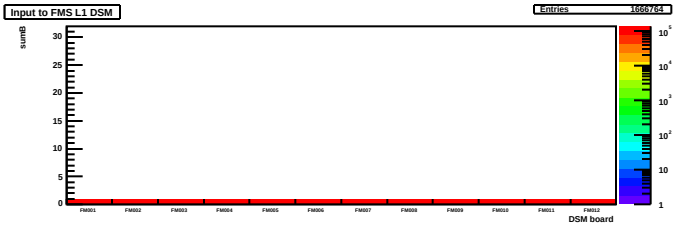

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

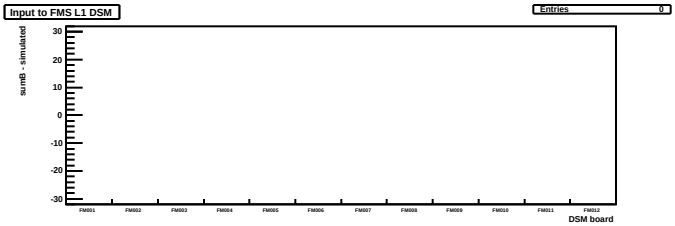

Input to FMS L1 DSM
Entries 1666764
sumC
DSM board

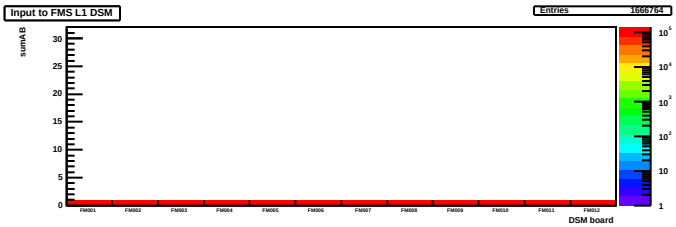

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

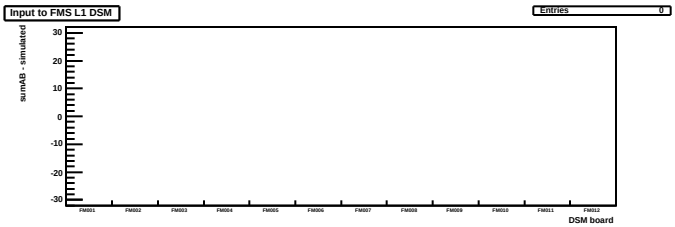

Input to FMS L1 DSM
Entries 1666764
sumBC
DSM board

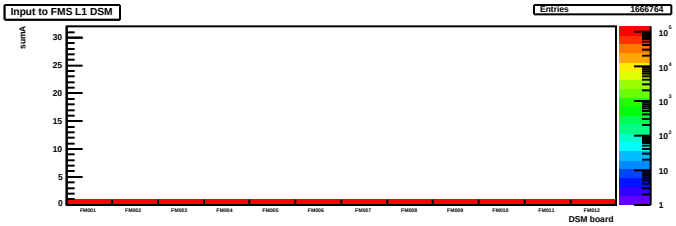

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

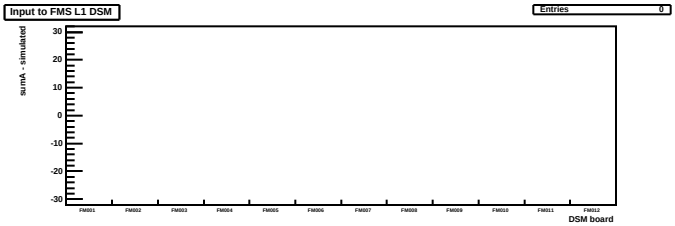

Input to FMS L1 DSM
Entries 1666764
sumB
DSM board

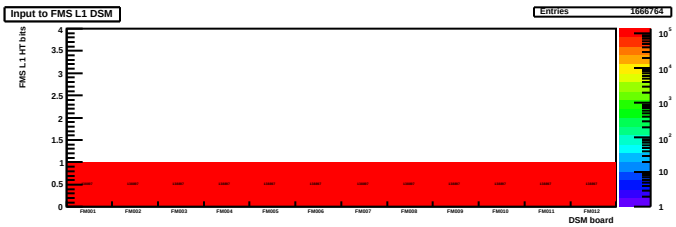

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

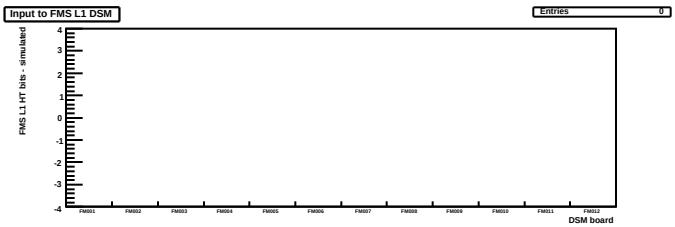

Input to FMS L1 DSM
Entries 1666764
sumAB
DSM board

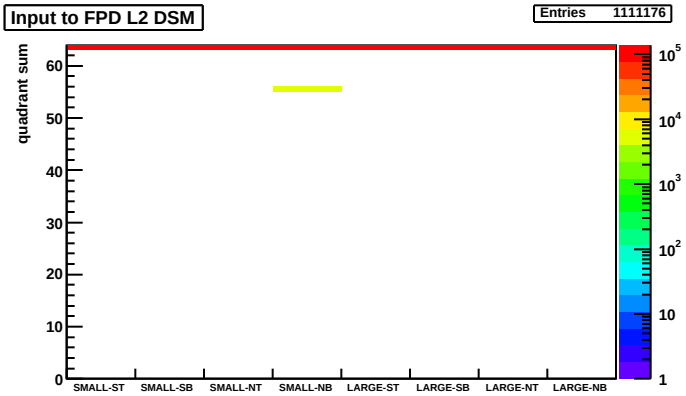

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

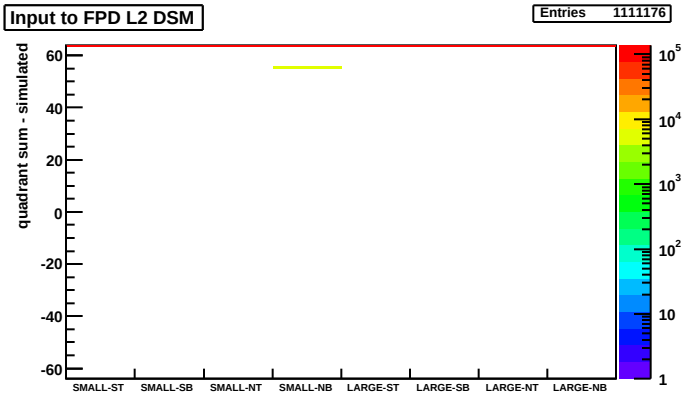

Input to FMS L1 DSM
Entries 1666764
sumA
DSM board

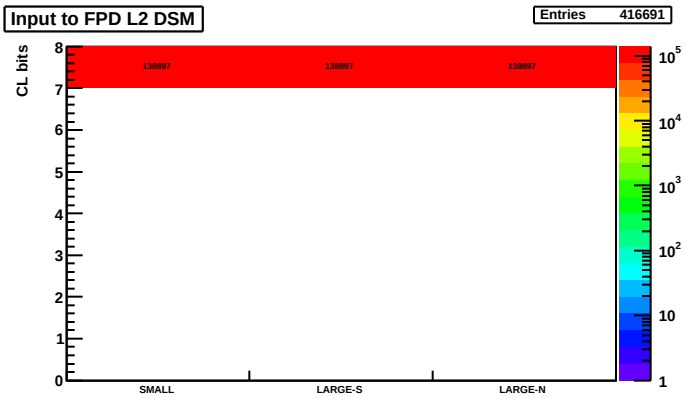

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

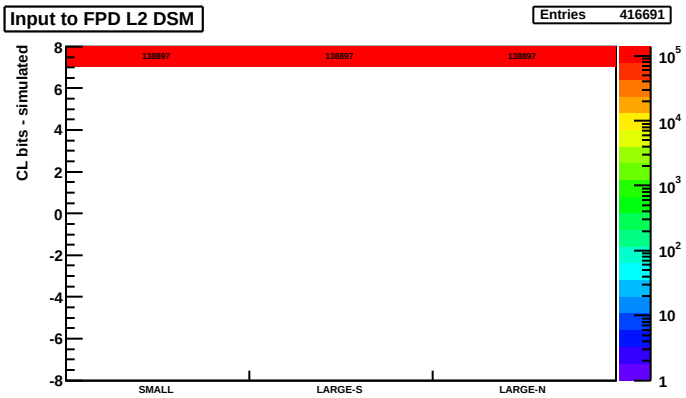

Input to FMS L1 DSM
Entries 1666764
FMS L1 HT bits
DSM board

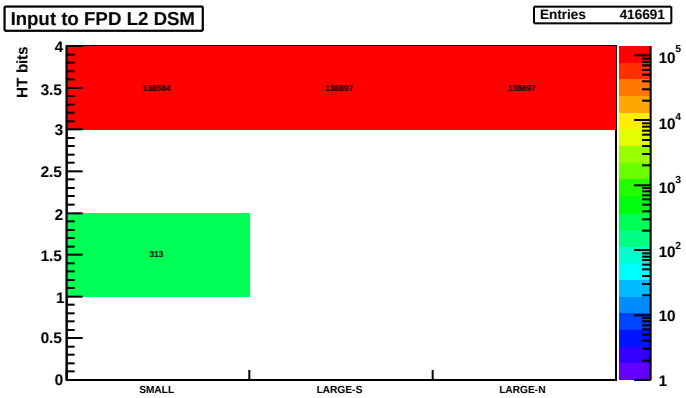

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

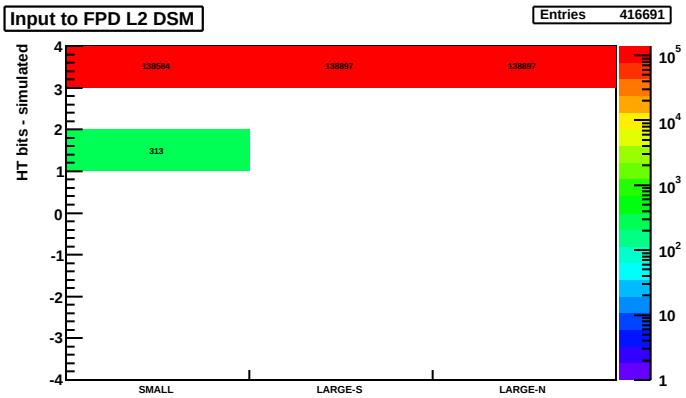

Input to FPD L2 DSM
Entries 1111176
quadrant sum
SMALL-ST SMALL-SB SMALL-NT SMALL-NB LARGE-ST LARGE-SB LARGE-NT LARGE-NB

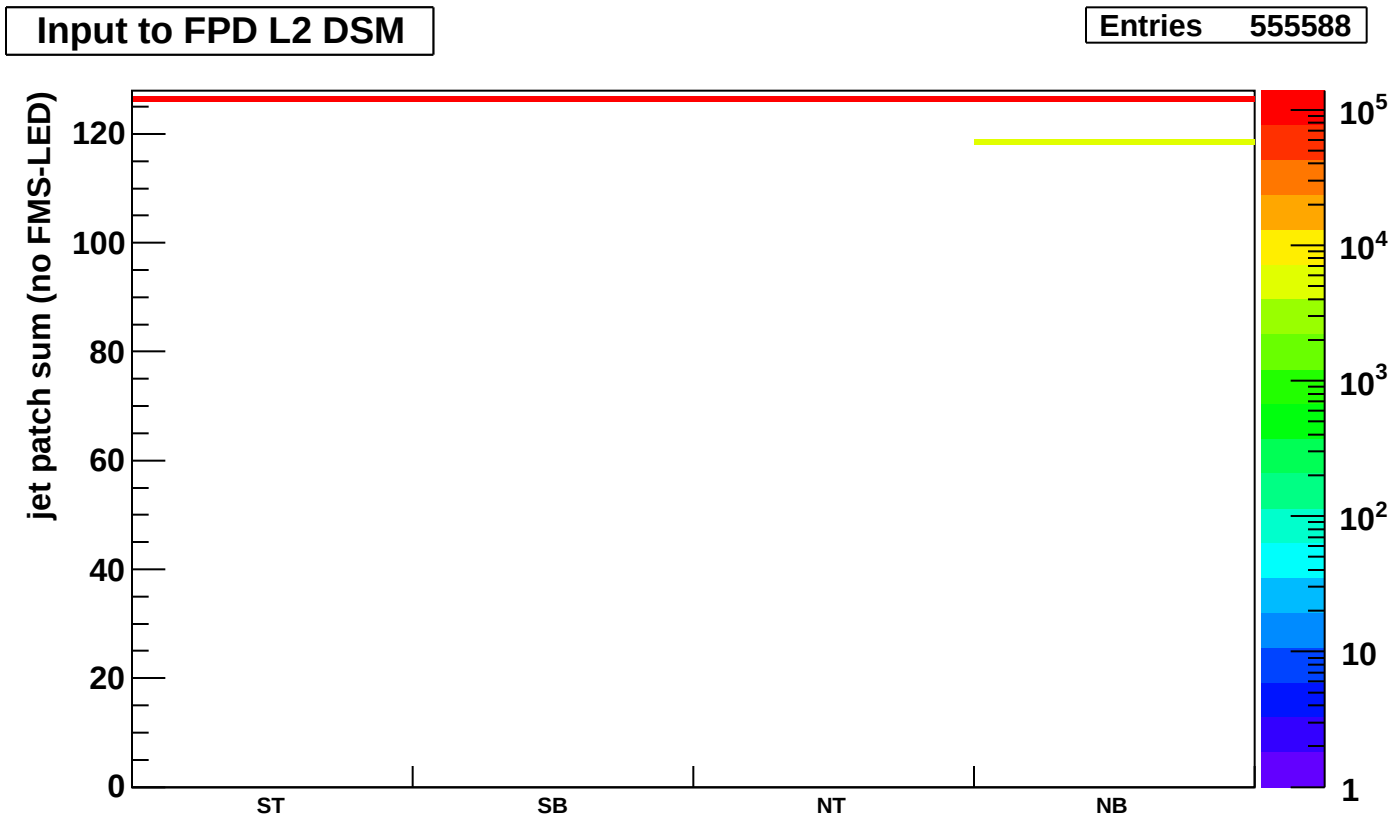

Input to FPD L2 DSM
Entries 1111176
quadrant sum - simulated
SMALL-ST SMALL-SB SMALL-NT SMALL-NB LARGE-ST LARGE-SB LARGE-NT LARGE-NB

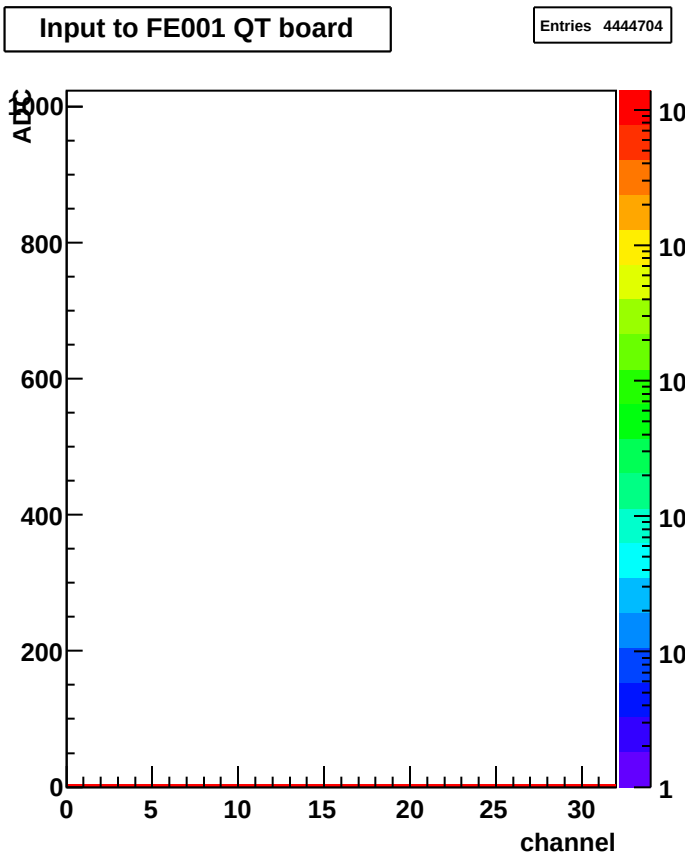

Input to FPD L2 DSM
Entries 416691
CL bits
138897 138897 138897
SMALL LARGE-S LARGE-N

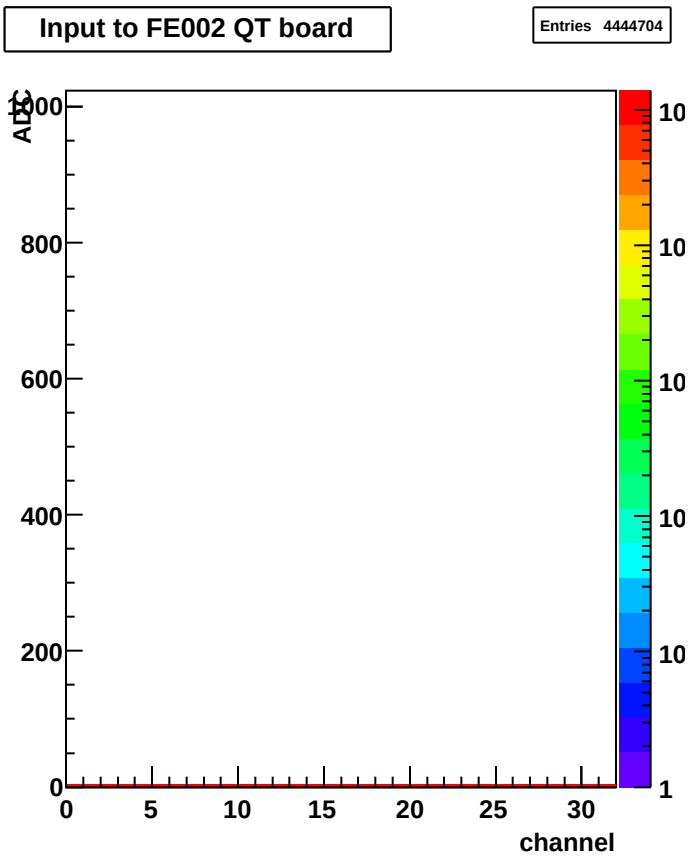

Input to FPD L2 DSM
Entries 416691
CL bits - simulated
138897 138897 138897
SMALL LARGE-S LARGE-N

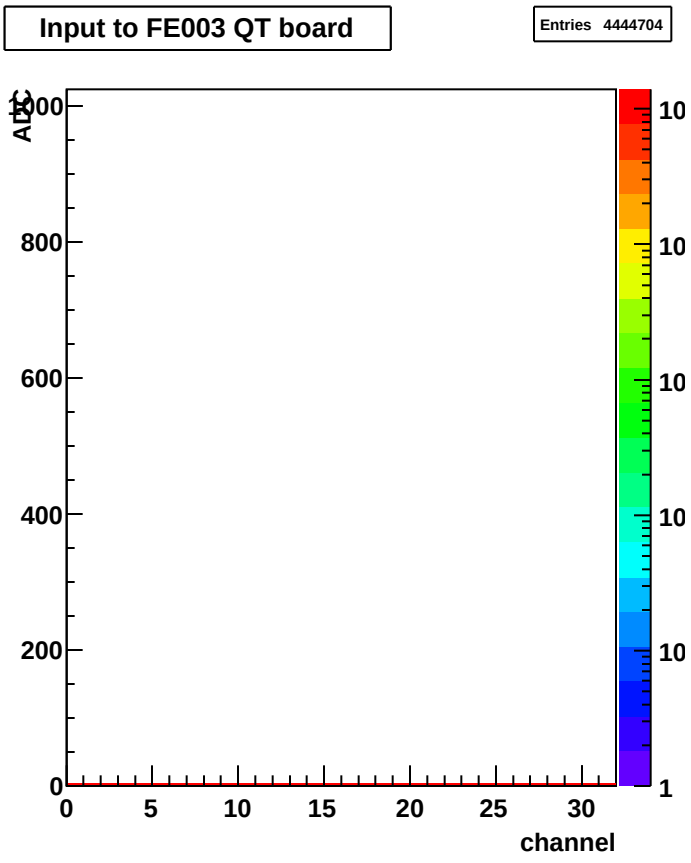

Input to FPD L2 DSM
Entries 416691
HT bits
138584 138897 138897
313
SMALL LARGE-S LARGE-N

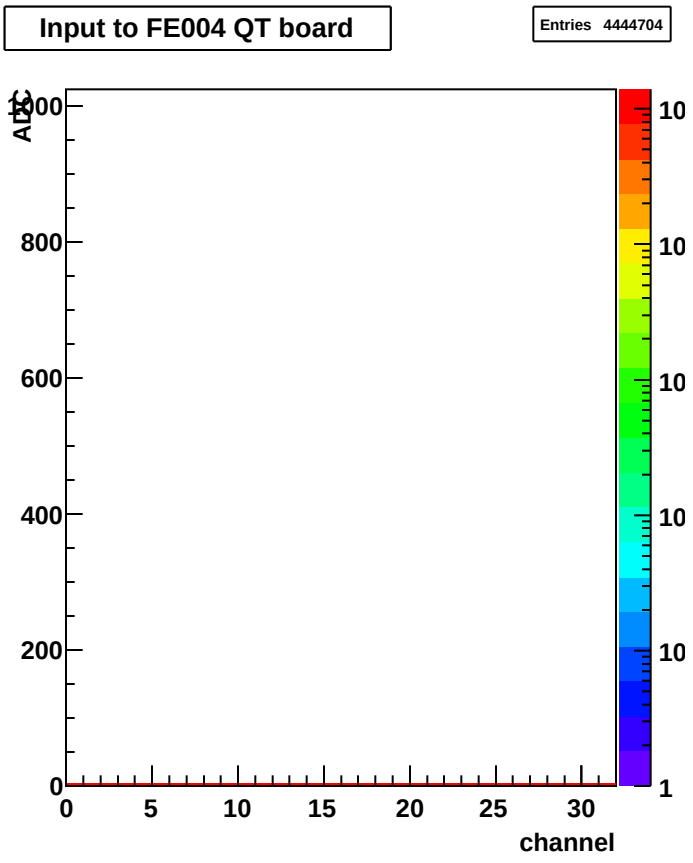

Input to FPD L2 DSM
Entries 416691
HT bits - simulated
138584 138897 138897
313
SMALL LARGE-S LARGE-N


Input to FPD L2 DSM
Entries 555588
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

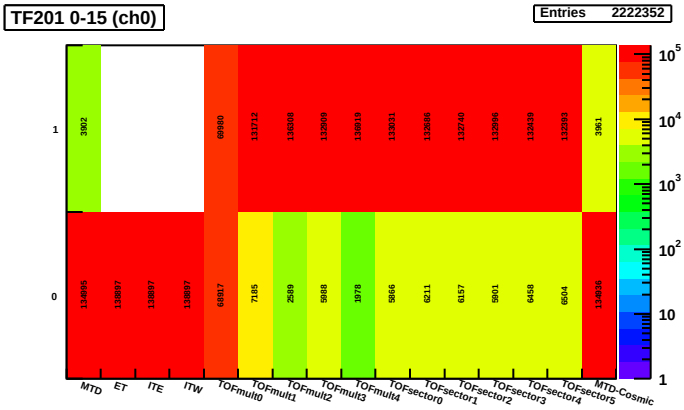

Input to FE001 QT board
Entries 4444704
ADC
channel


Input to FE002 QT board
Entries 4444704
ADC
channel

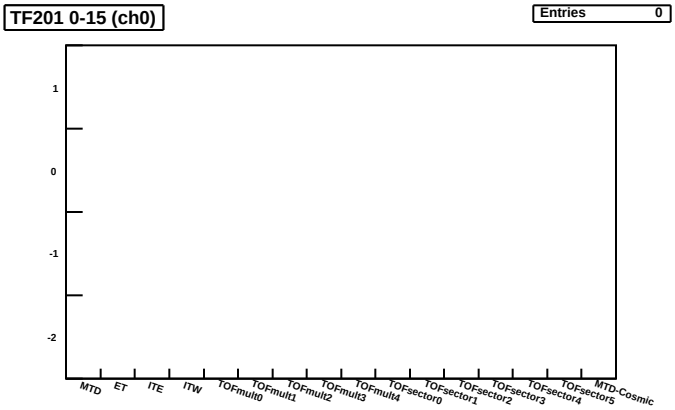

Input to FE003 QT board
Entries 4444704
ADC
channel


Input to FE004 QT board
Entries 4444704
ADC
channel

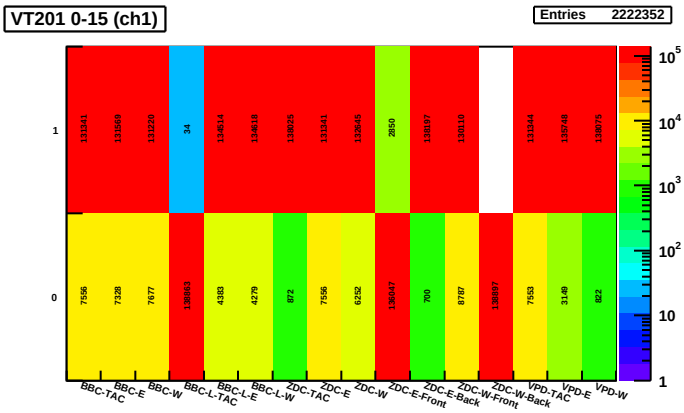
TF201 0-15 (ch0)



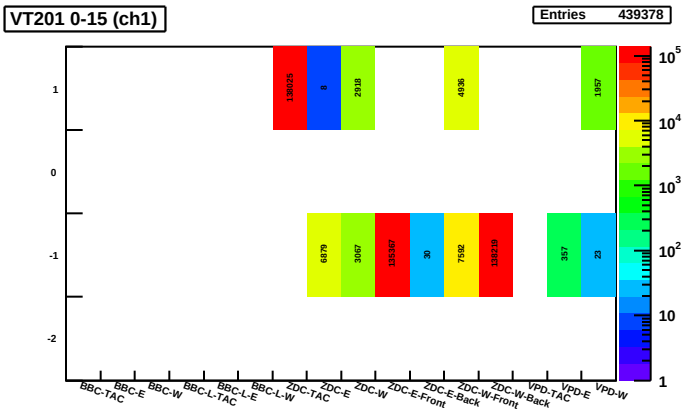
TF201 0-15 (ch0)



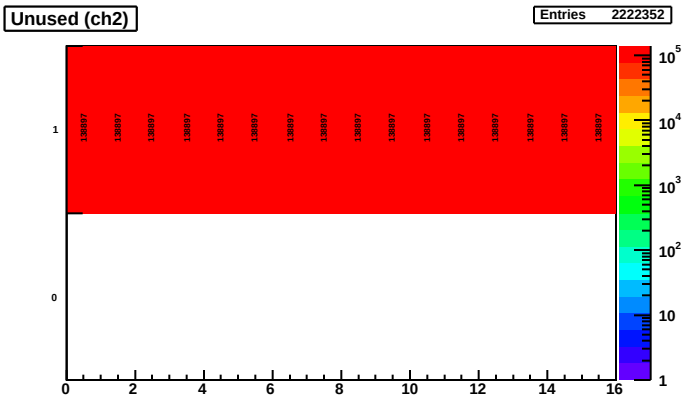
VT201 0-15 (ch1)

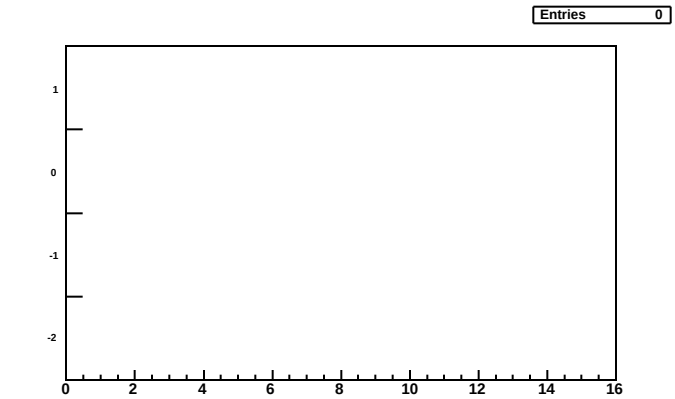


VT201 0-15 (ch1)

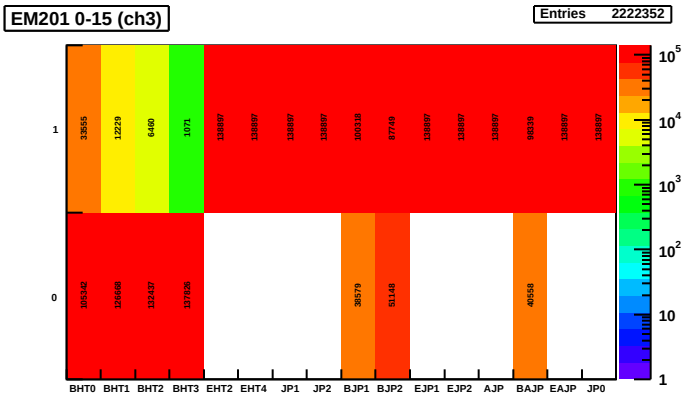


Unused (ch2)

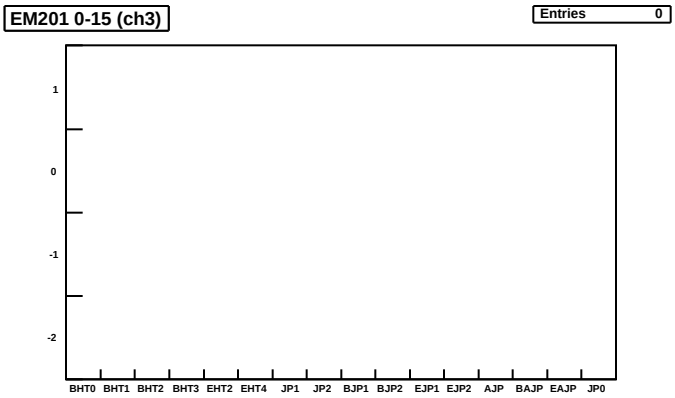




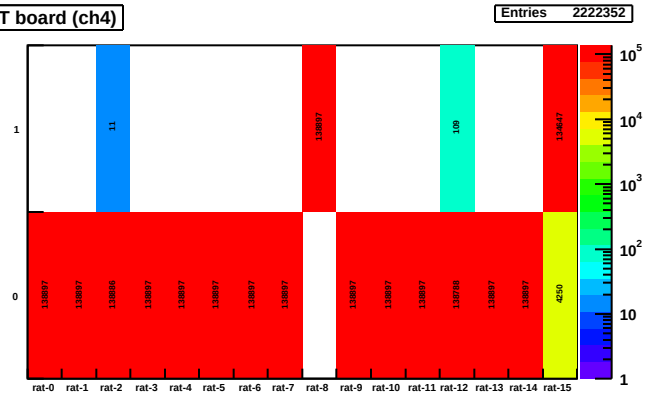
EM201 0-15 (ch3)

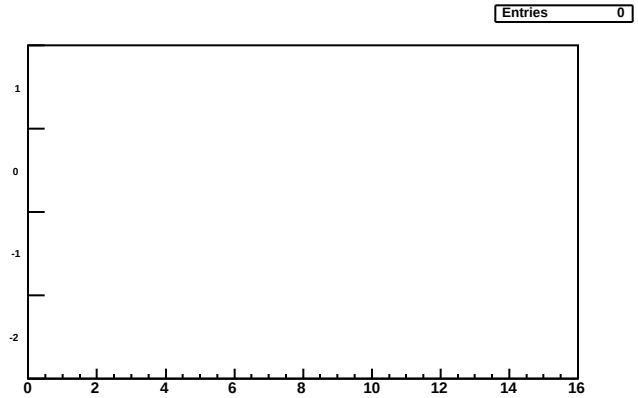


EM201 0-15 (ch3)

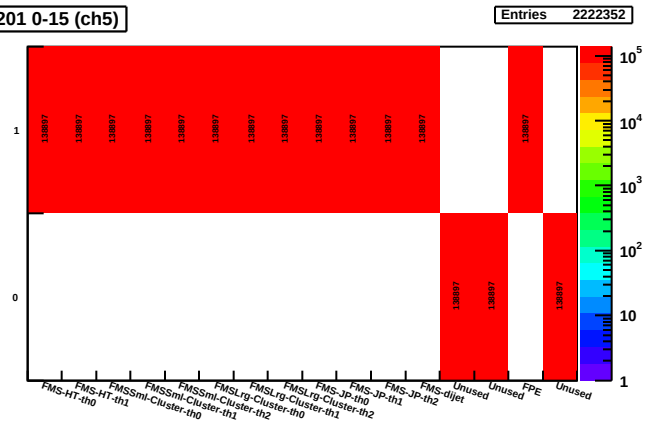


RAT board (ch4)

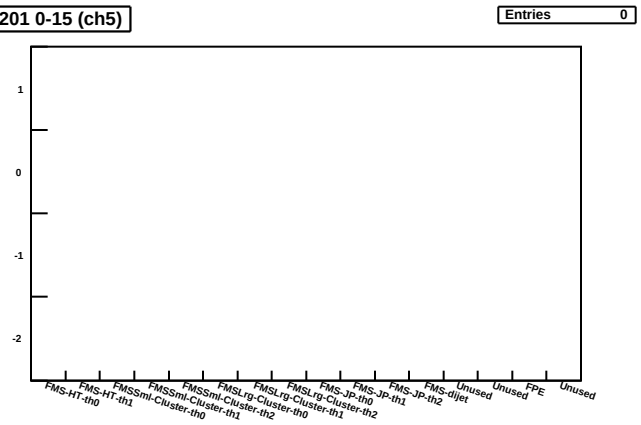




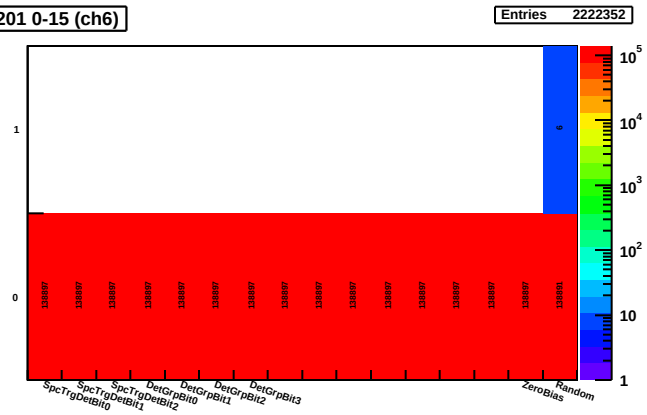
FP201 0-15 (ch5)

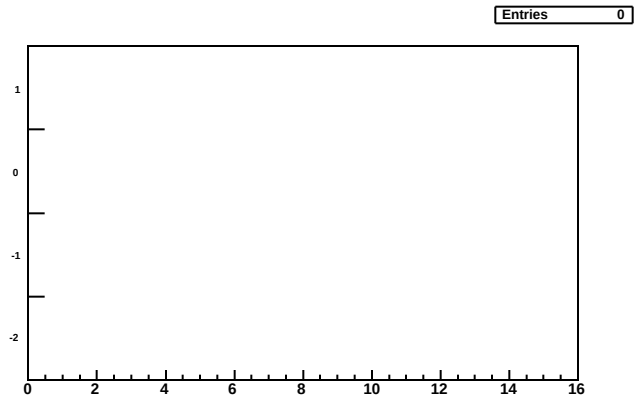
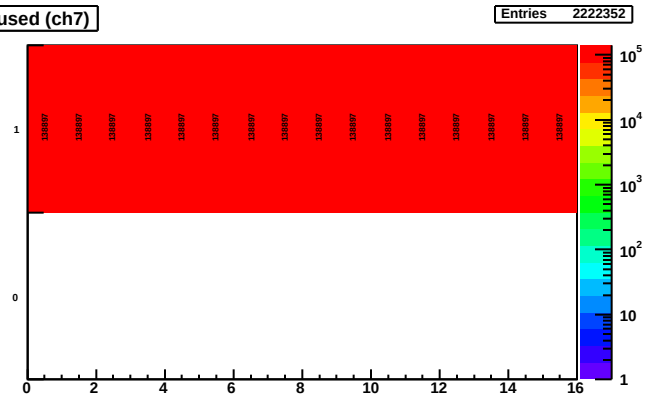
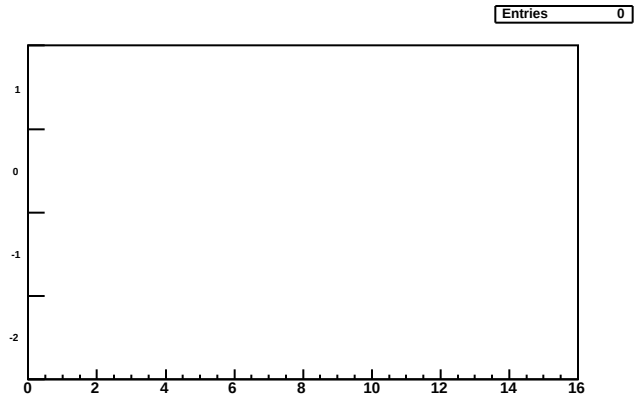


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)