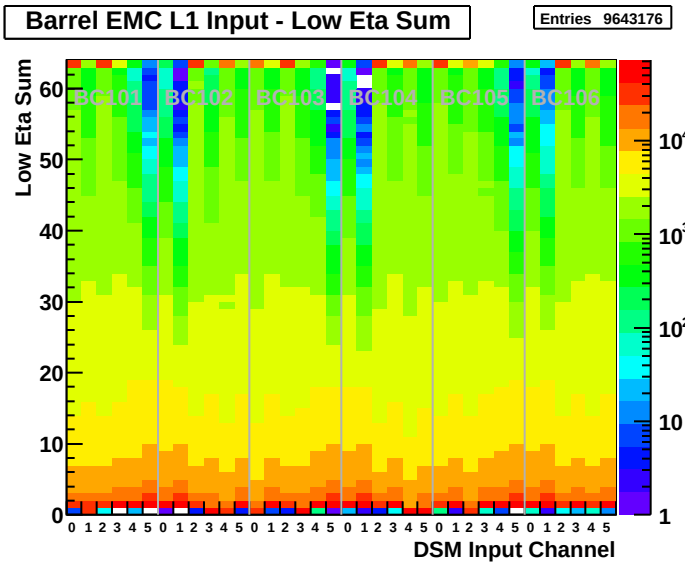
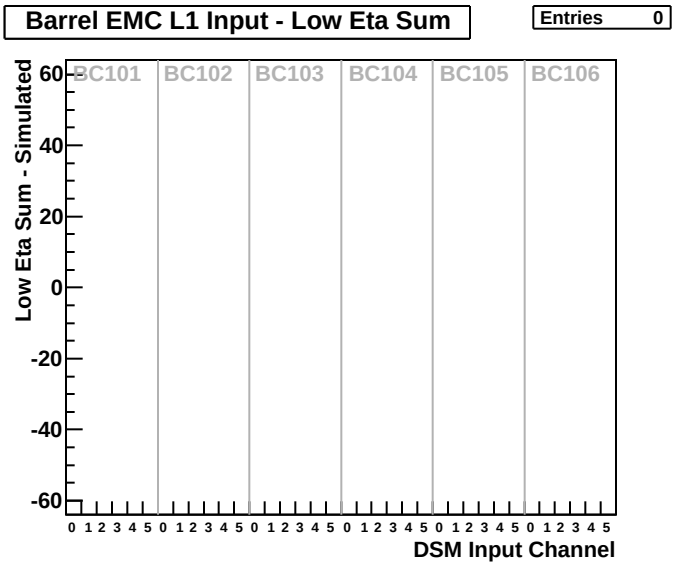
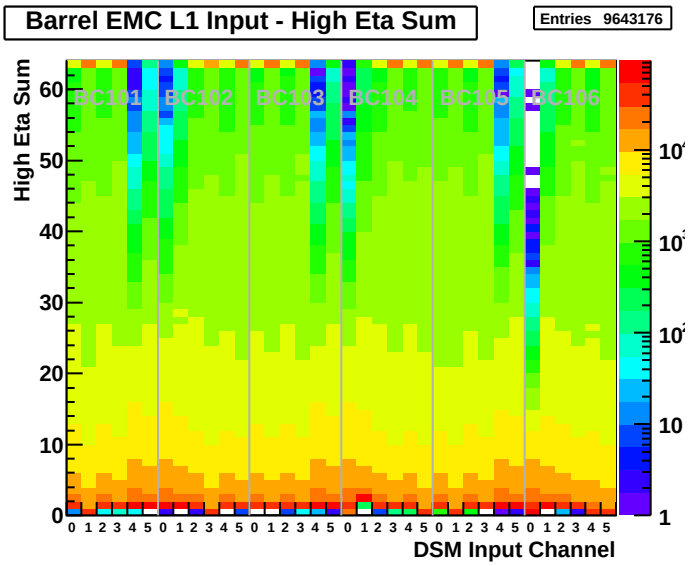
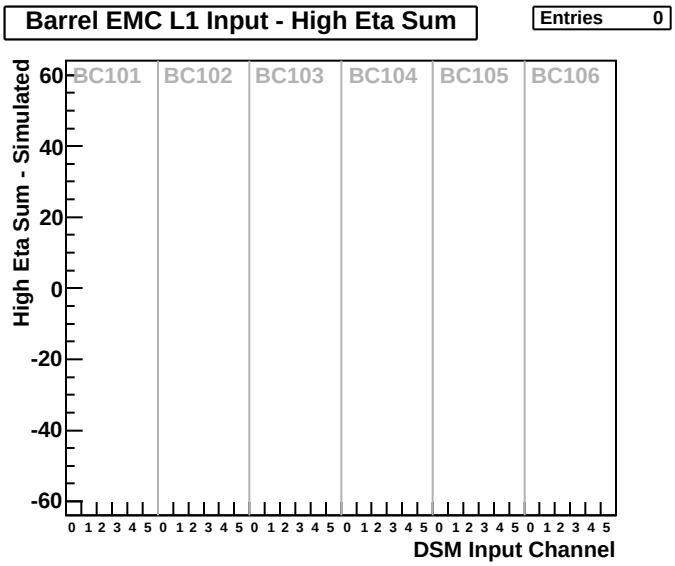
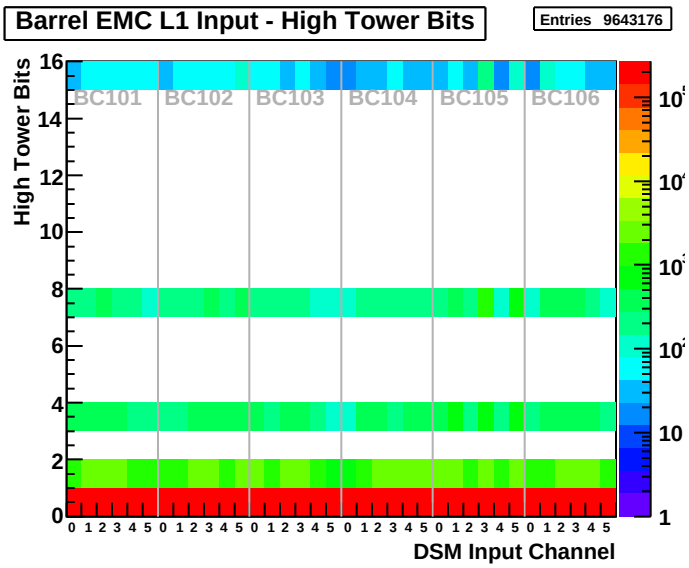
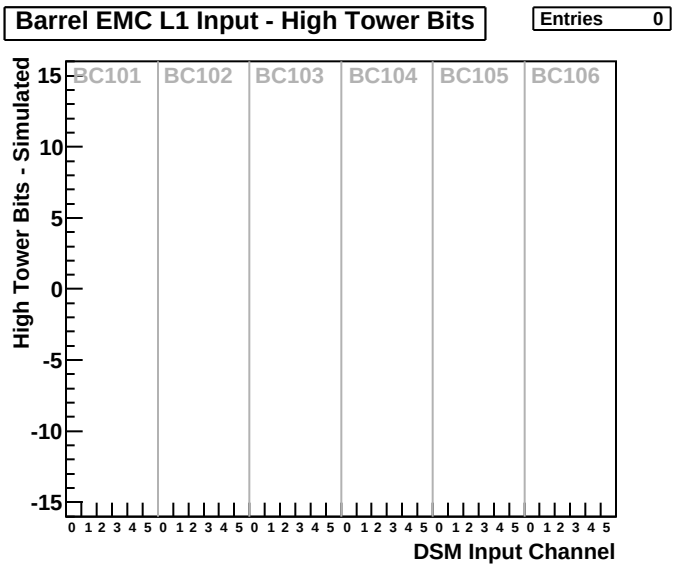

Barrel EMC L1 Input - Low Eta Sum
Entries 9643176
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

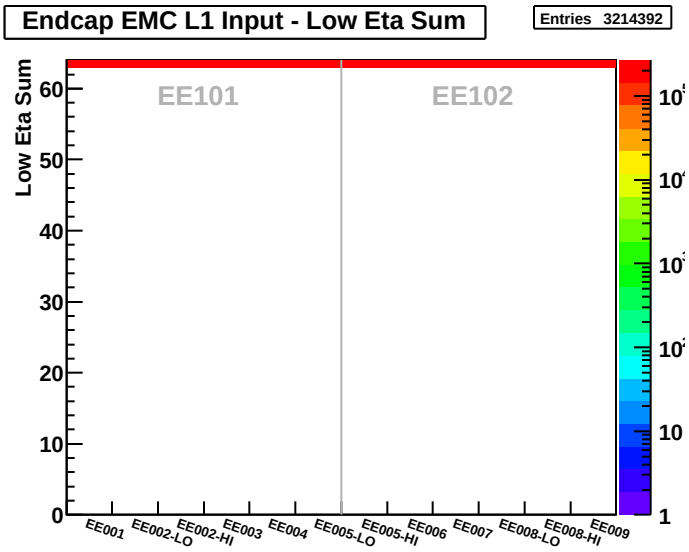

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

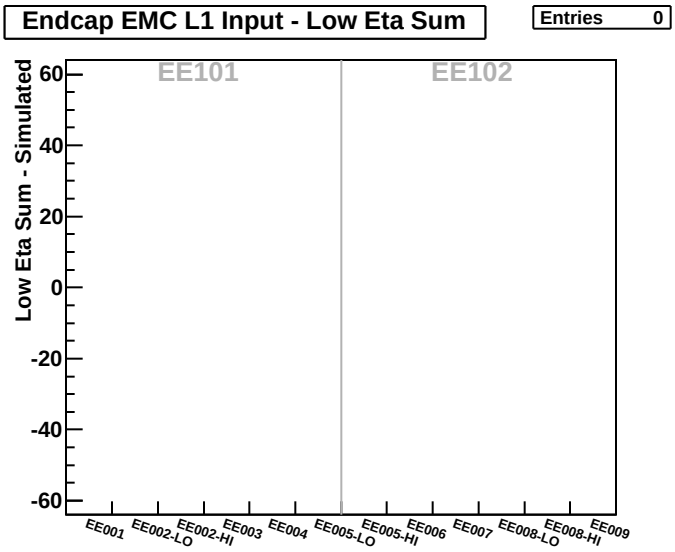

Barrel EMC L1 Input - High Eta Sum
Entries 9643176
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

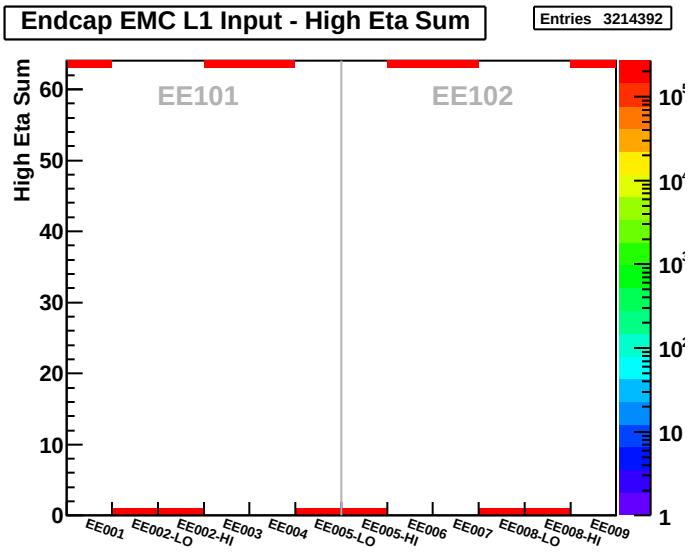

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

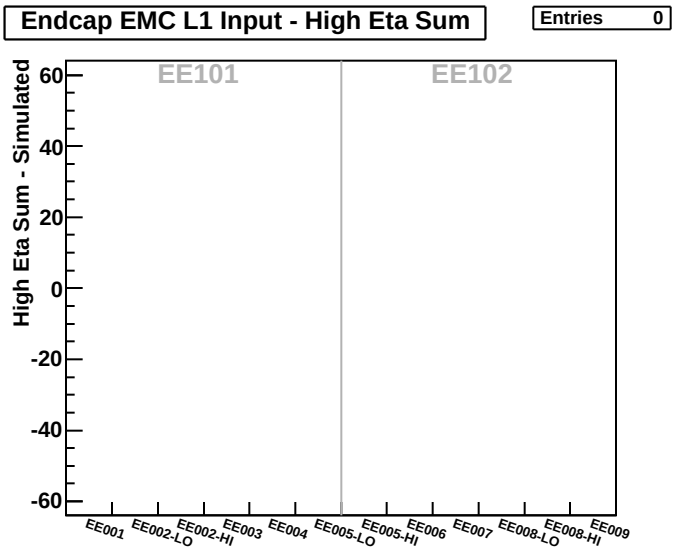

Barrel EMC L1 Input - High Tower Bits
Entries 9643176
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

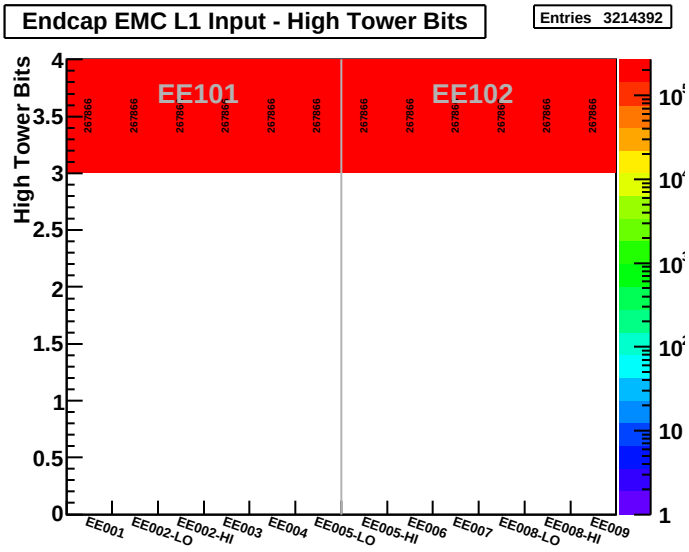

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

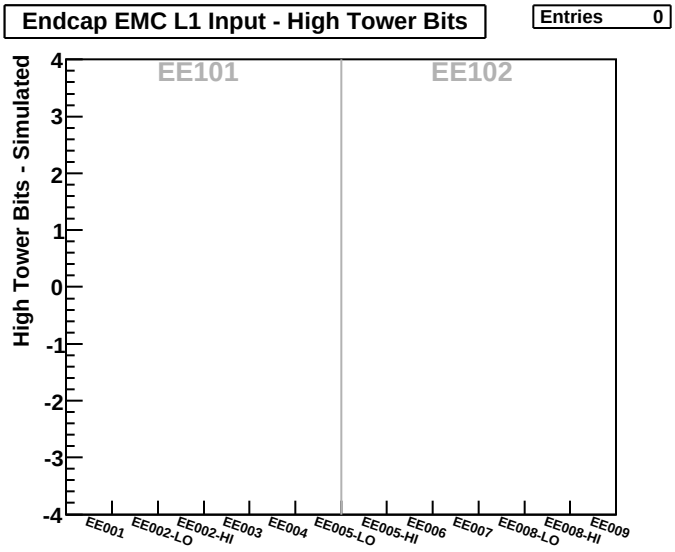

Endcap EMC L1 Input - Low Eta Sum
Entries 3214392
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

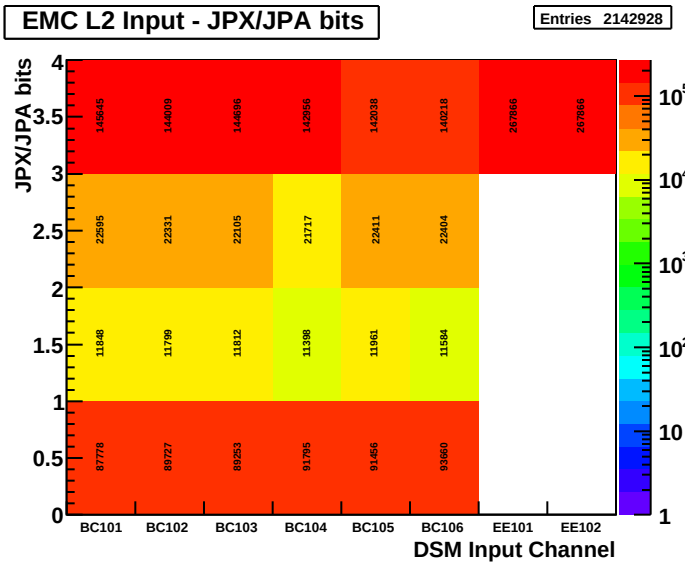

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

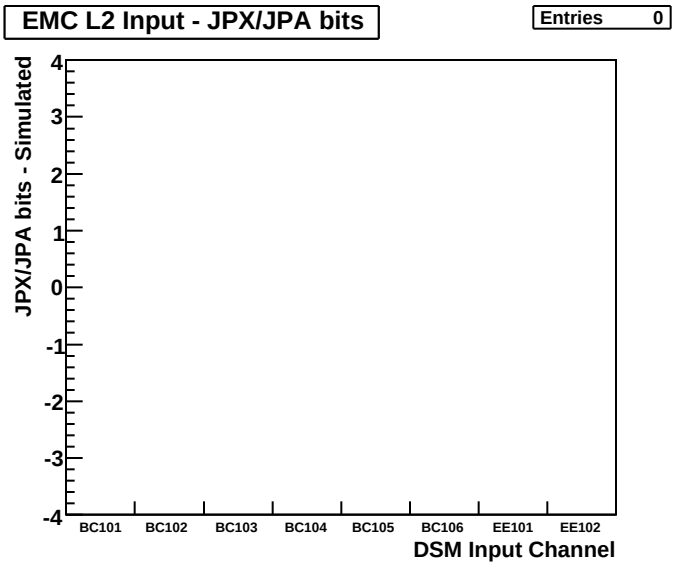

Endcap EMC L1 Input - High Eta Sum
Entries 3214392
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

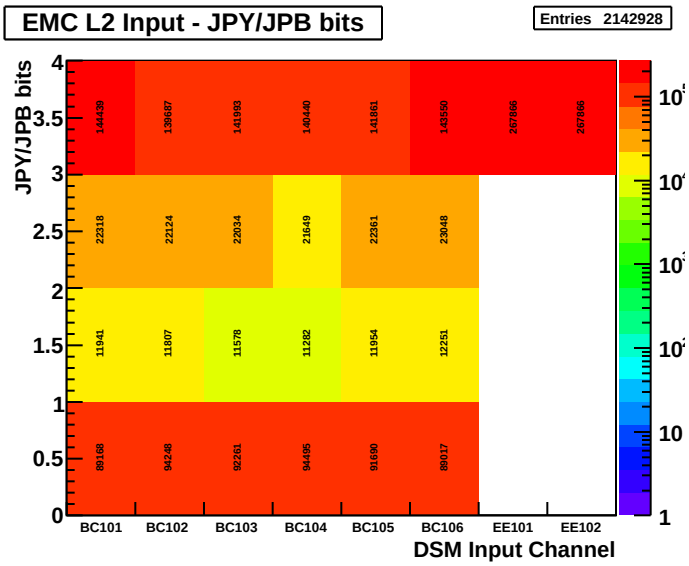

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

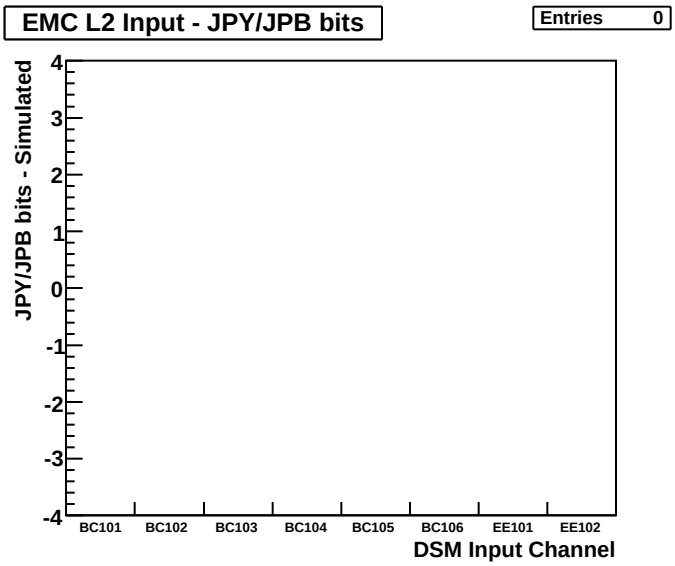

Endcap EMC L1 Input - High Tower Bits
Entries 3214392
High Tower Bits
EE101
EE102
267866
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

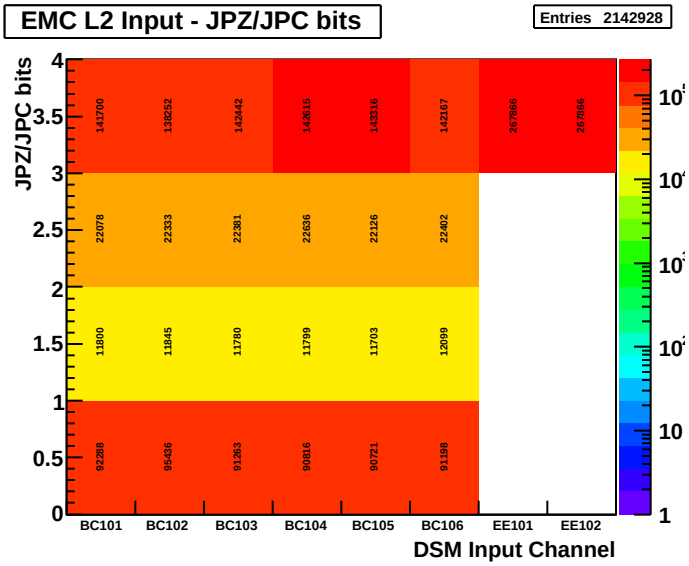

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

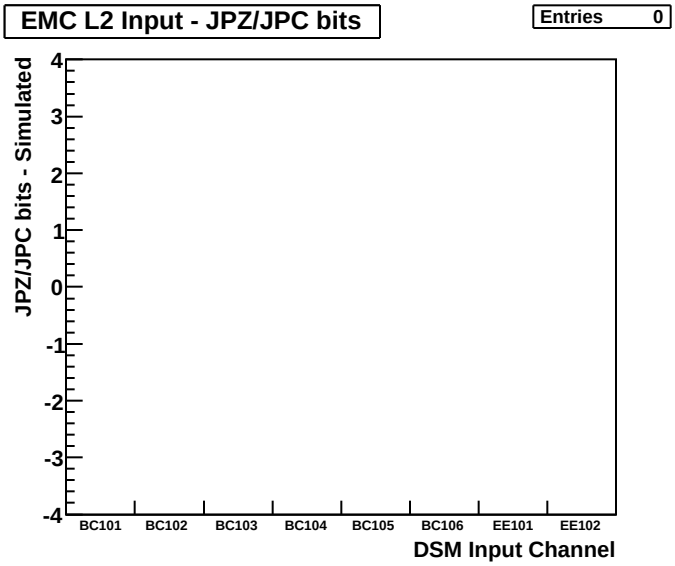

EMC L2 Input - JPX/JPA bits
Entries 2142928
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
145645 144009 144696 142856 142038 140218 267866 267866
22595 22331 22105 21717 22411 22404
11848 11799 11812 11398 11961 11584
87778 89727 89253 91795 91456 93660

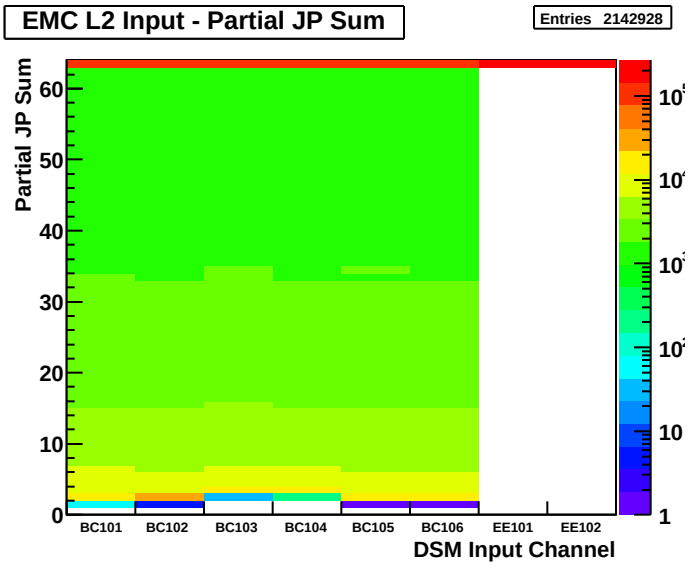

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

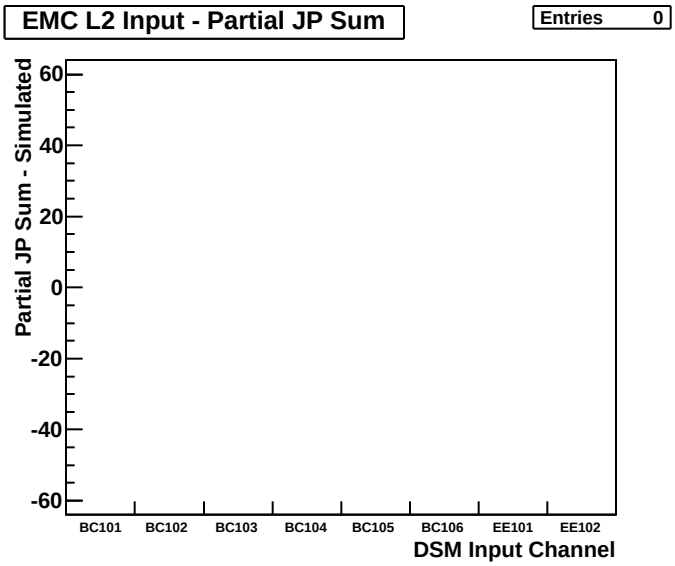

EMC L2 Input - JPY/JPB bits
Entries 2142928
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
144439 139687 141903 140440 141861 143550 267866 267866
22318 22124 22034 21649 22361 23048
11941 11807 11578 11282 11954 12251
89168 94248 92261 94495 91690 89017

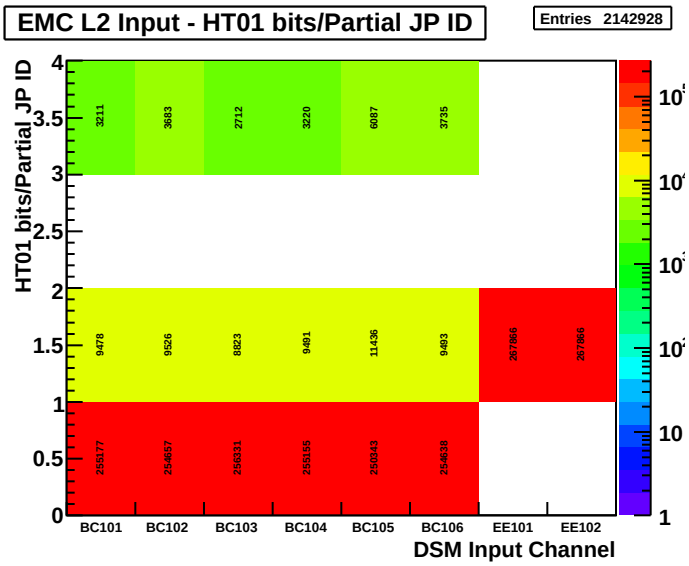

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

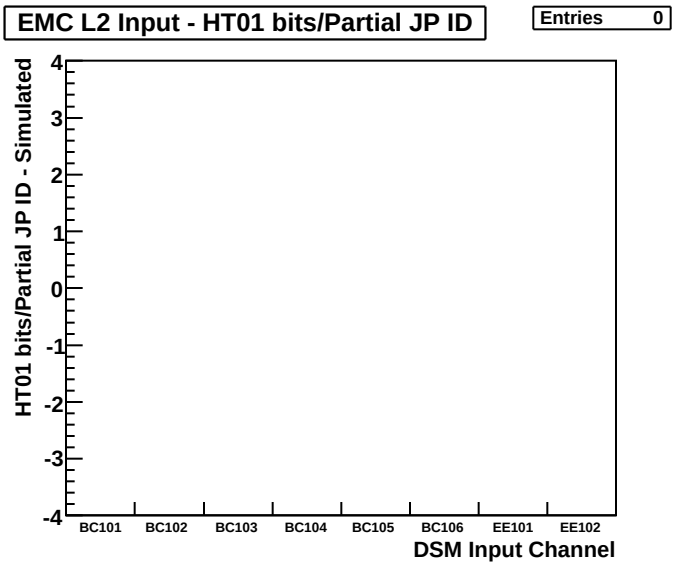

EMC L2 Input - JPZ/JPC bits
Entries 2142928
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
141700 138252 142442 142815 143316 142167 267866 267866
22078 22333 22381 22636 22126 22402
11800 11845 11780 11799 11703 12099
92288 95436 91263 90816 90721 91198

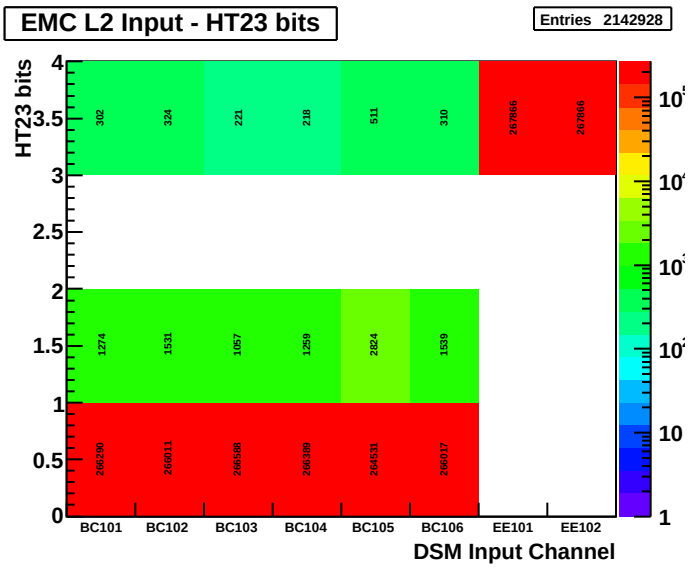

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

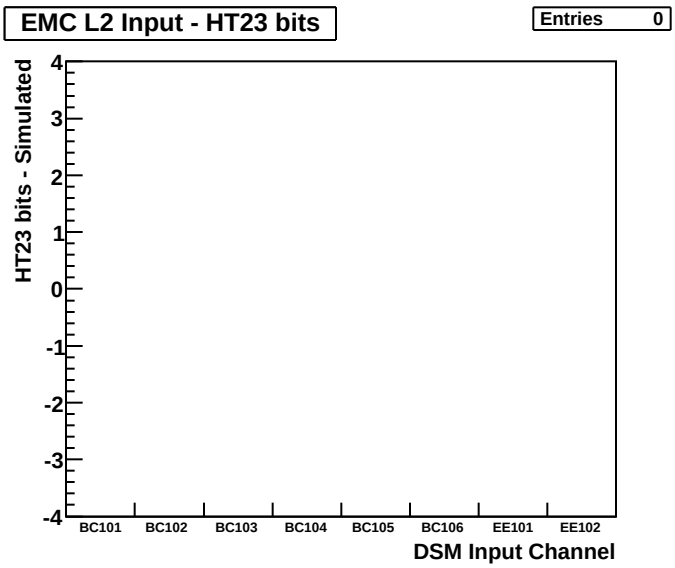

EMC L2 Input - Partial JP Sum
Entries 2142928
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

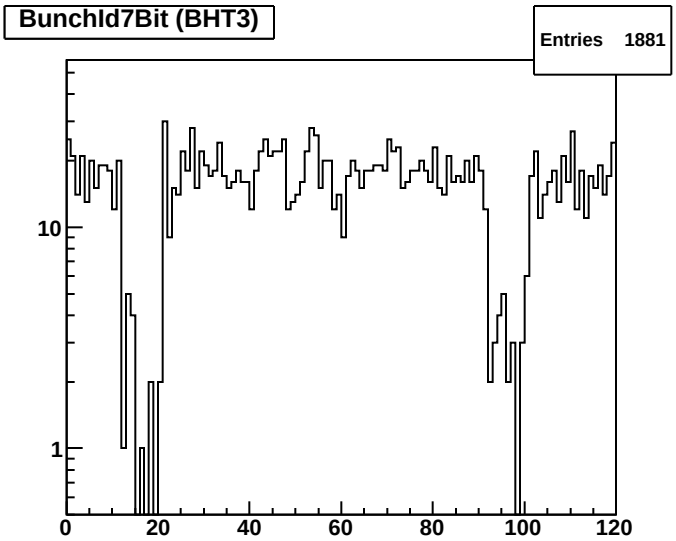

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

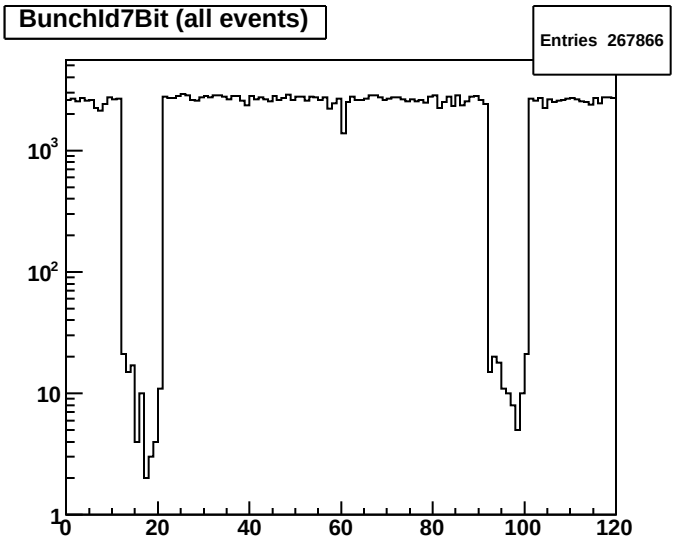

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2142928
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

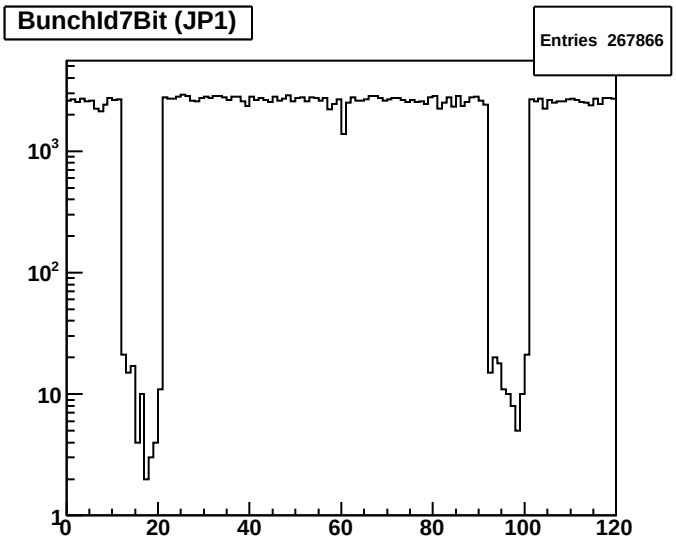

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

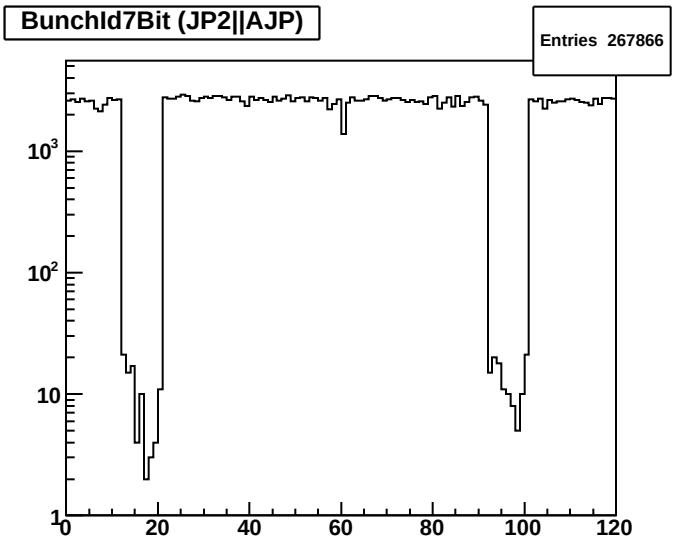

EMC L2 Input - HT23 bits
Entries 2142928
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

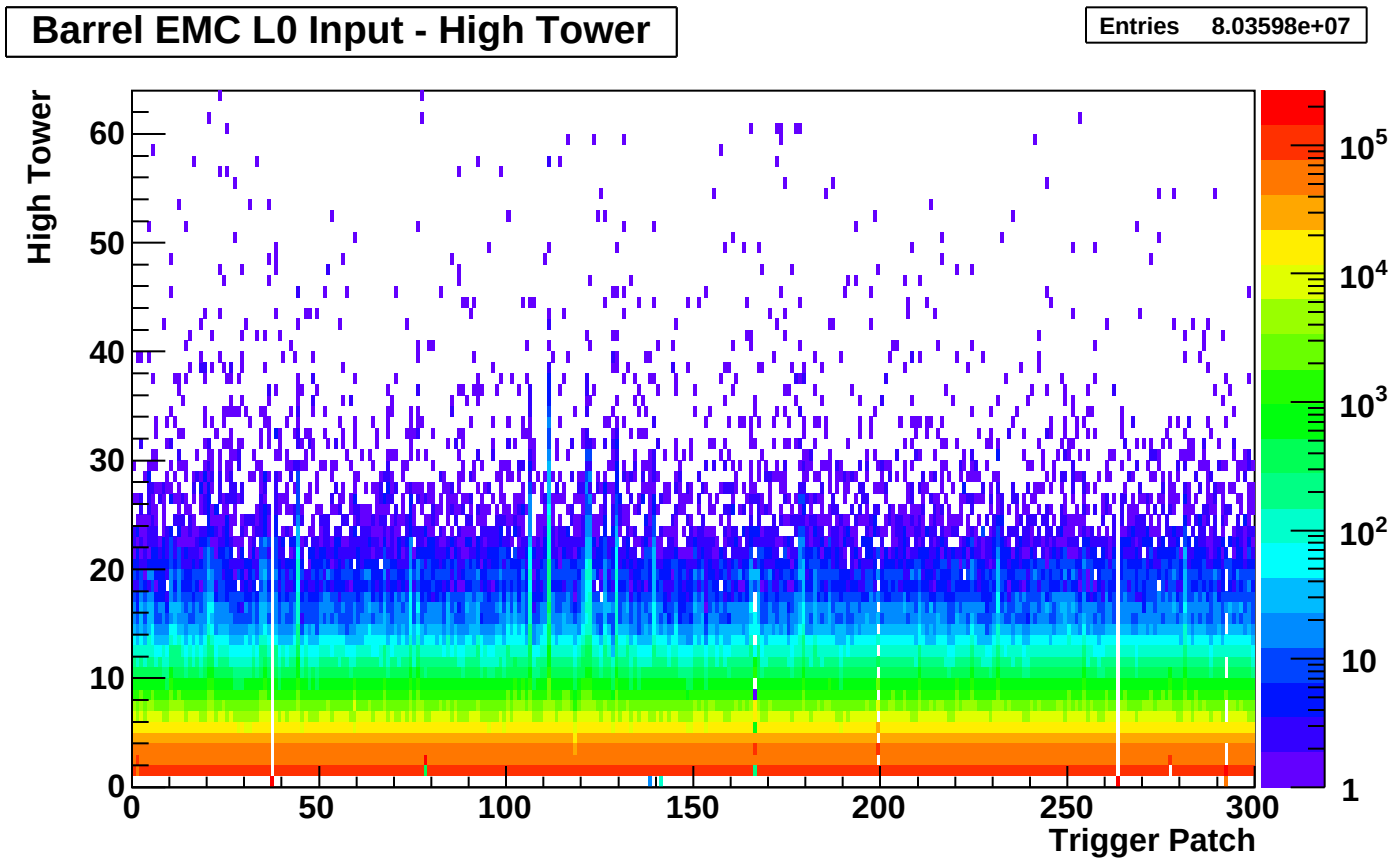

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

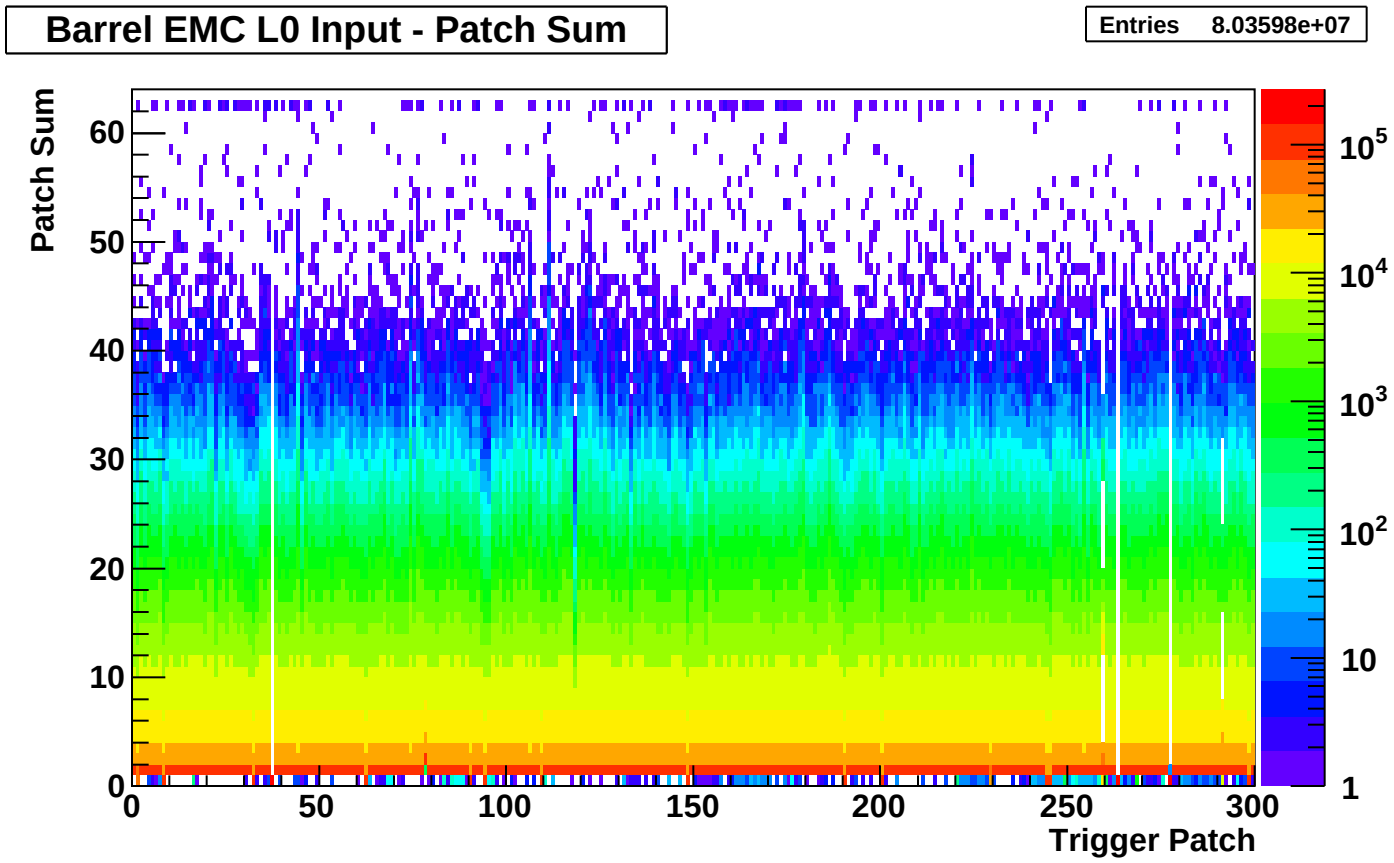

BunchId7Bit (BHT3)
Entries 1881
10
1
0
20
40
60
80
100
120

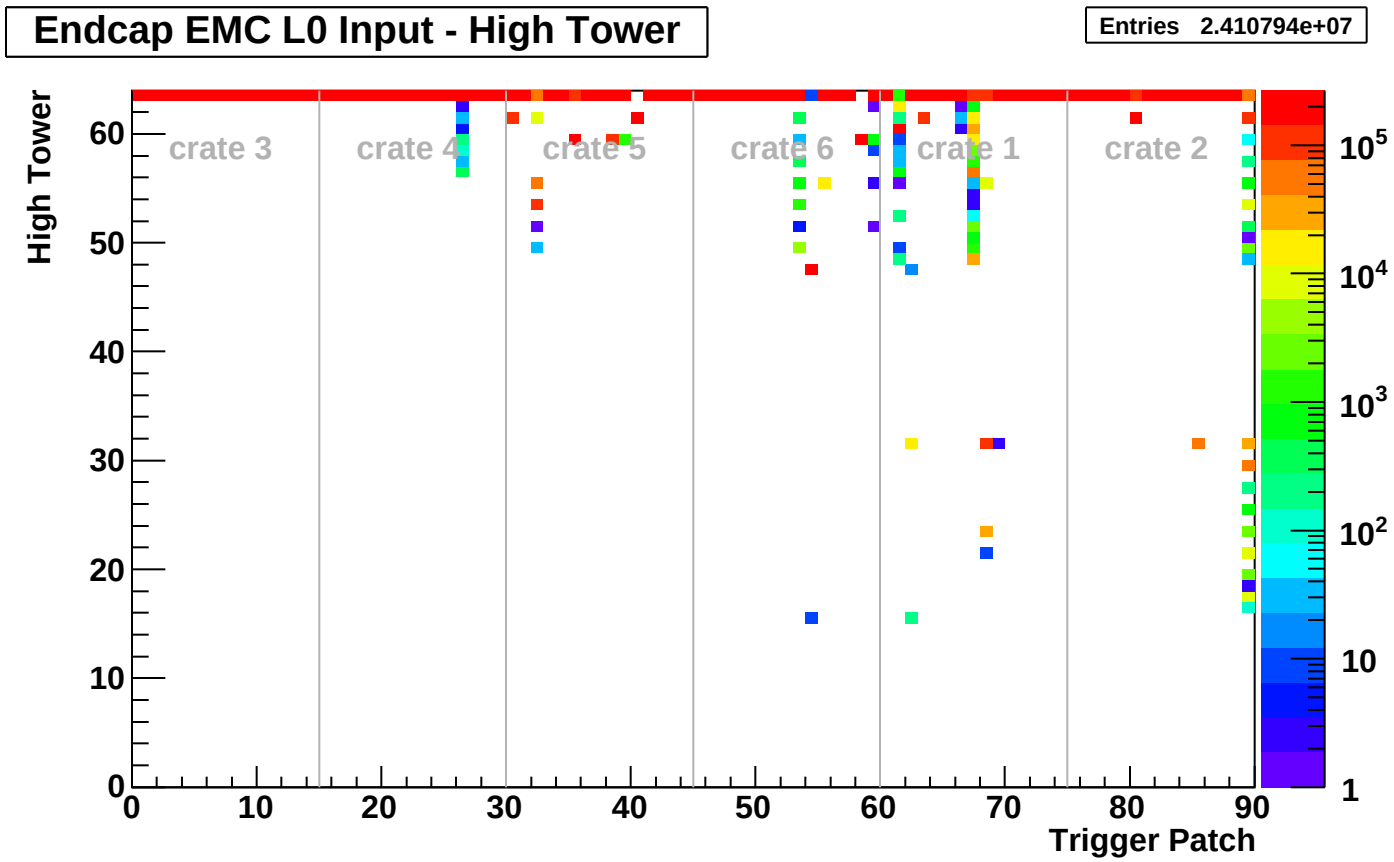

BunchId7Bit (all events)
Entries 267866
10^3
10^2
10
1
0
20
40
60
80
100
120

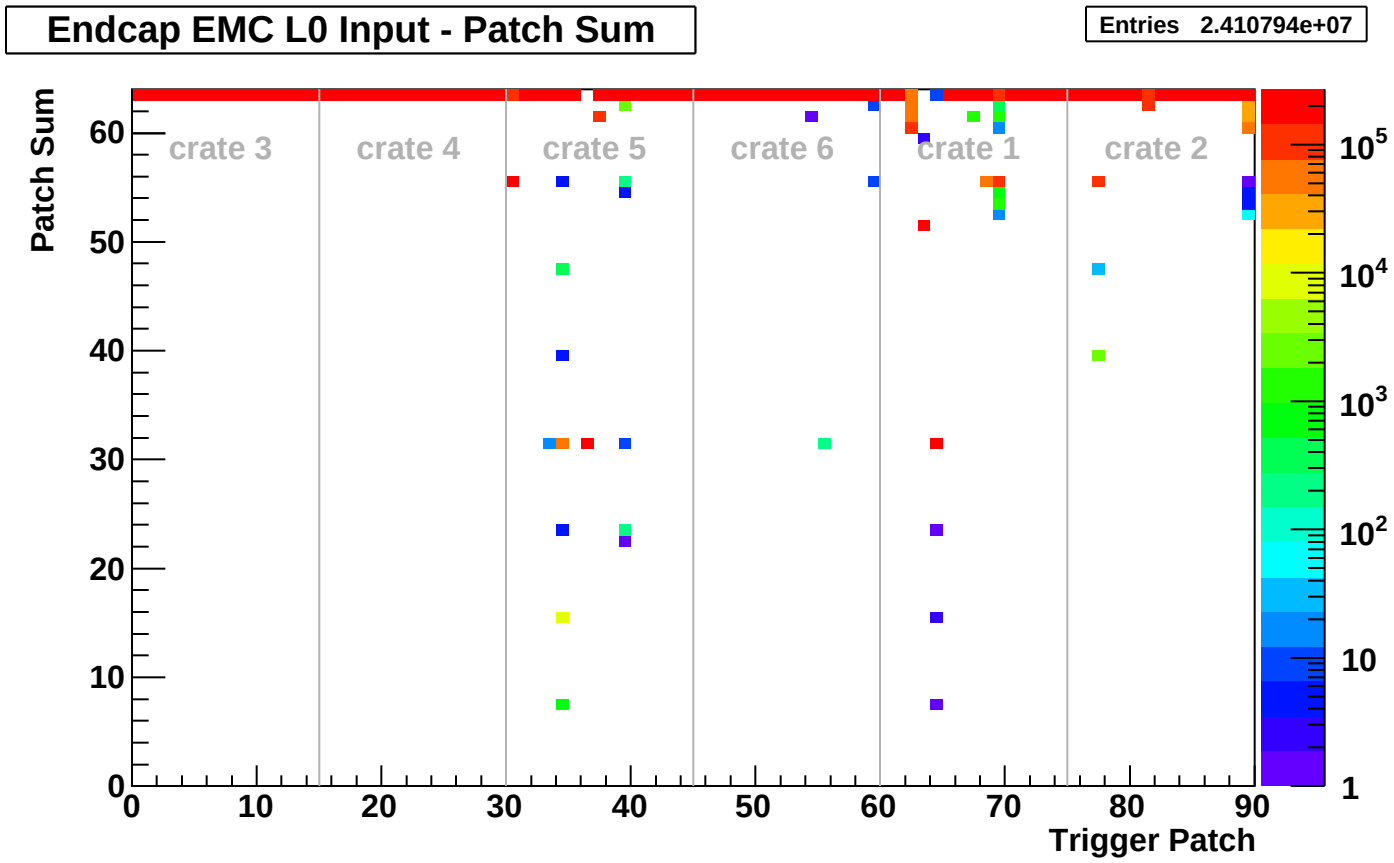

BunchId7Bit (JP1)
Entries 267866
10^3
10^2
10
1
0
20
40
60
80
100
120

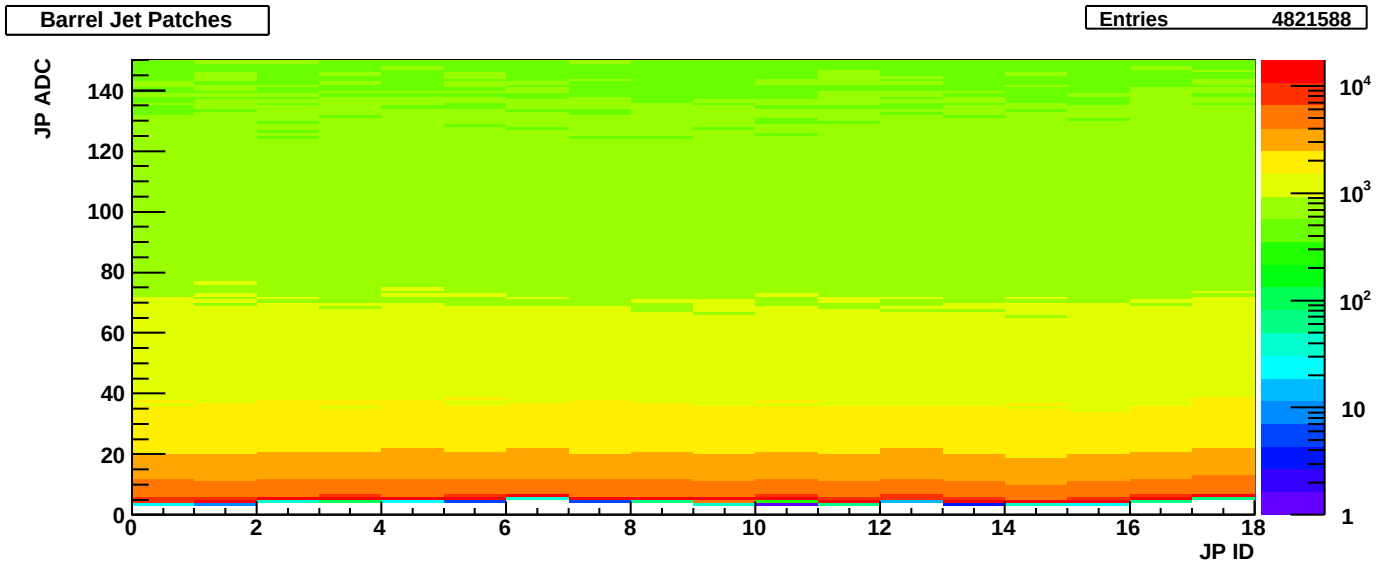

BunchId7Bit (JP2||AJP)
Entries 267866
10^3
10^2
10
1
0
20
40
60
80
100
120

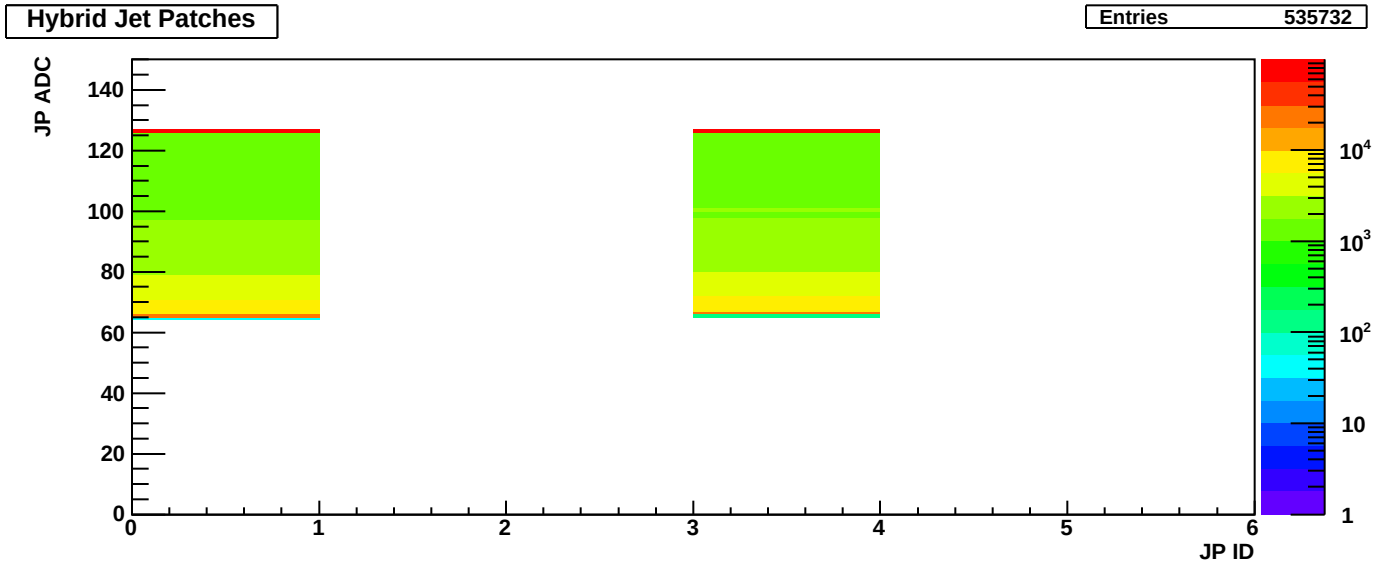

Barrel EMC L0 Input - High Tower
Entries 8.03598e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

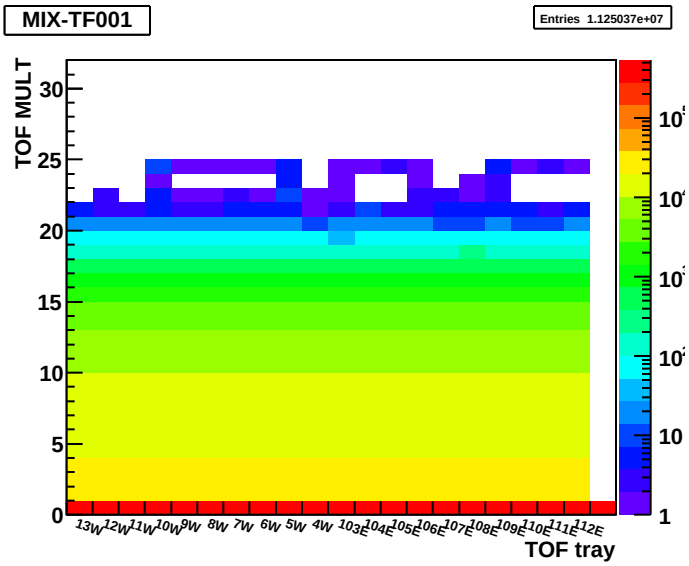

Barrel EMC L0 Input - Patch Sum
Entries 8.03598e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

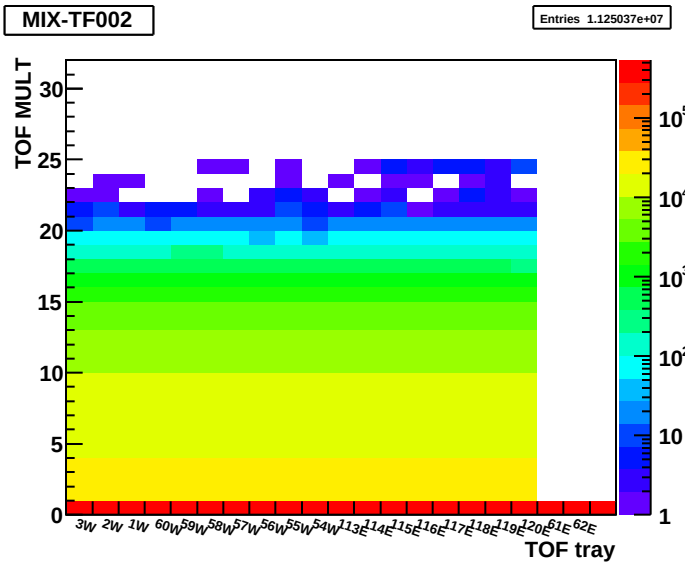

Endcap EMC L0 Input - High Tower
Entries 2.410794e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

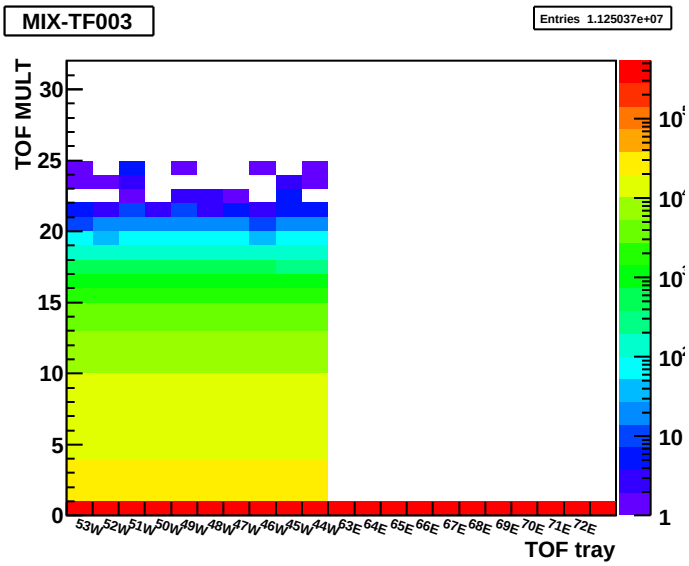

Endcap EMC L0 Input - Patch Sum
Entries 2.410794e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

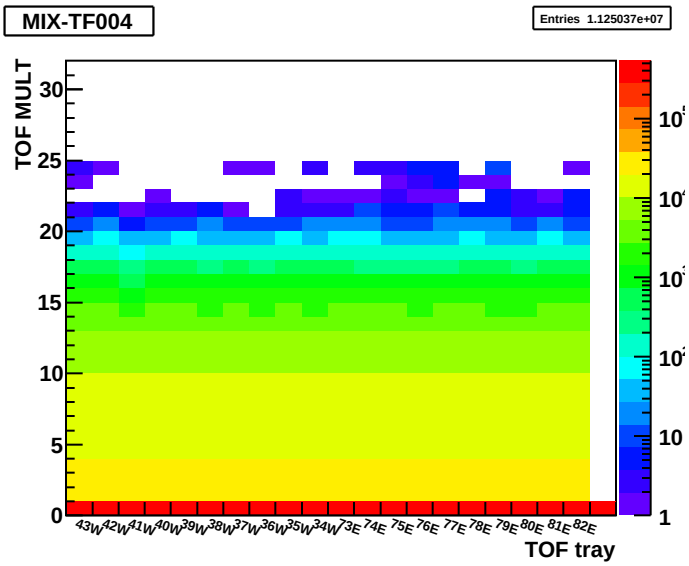

Barrel Jet Patches
Entries 4821588
JP ADC
JP ID

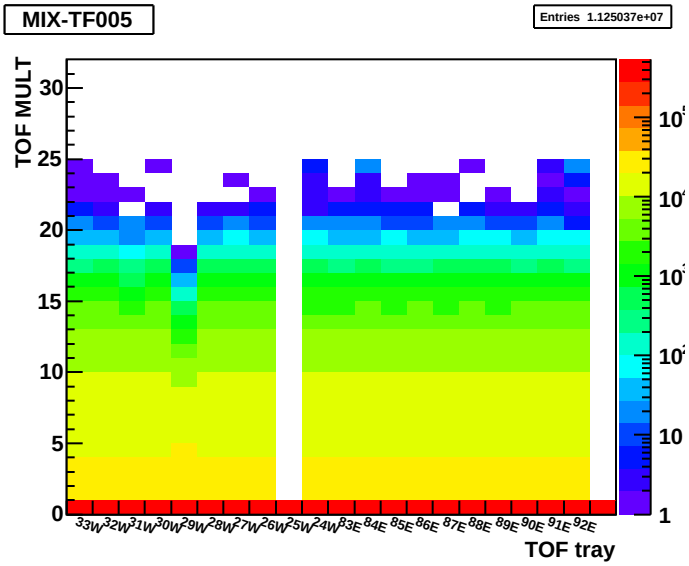

Hybrid Jet Patches
Entries 535732
JP ADC
JP ID

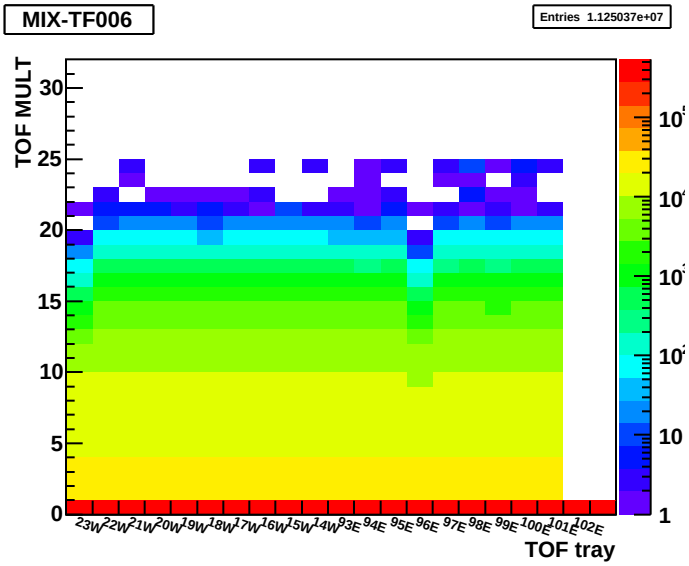

MIX-TF001
Entries 1.125037e+07
TOF MULT
TOF tray

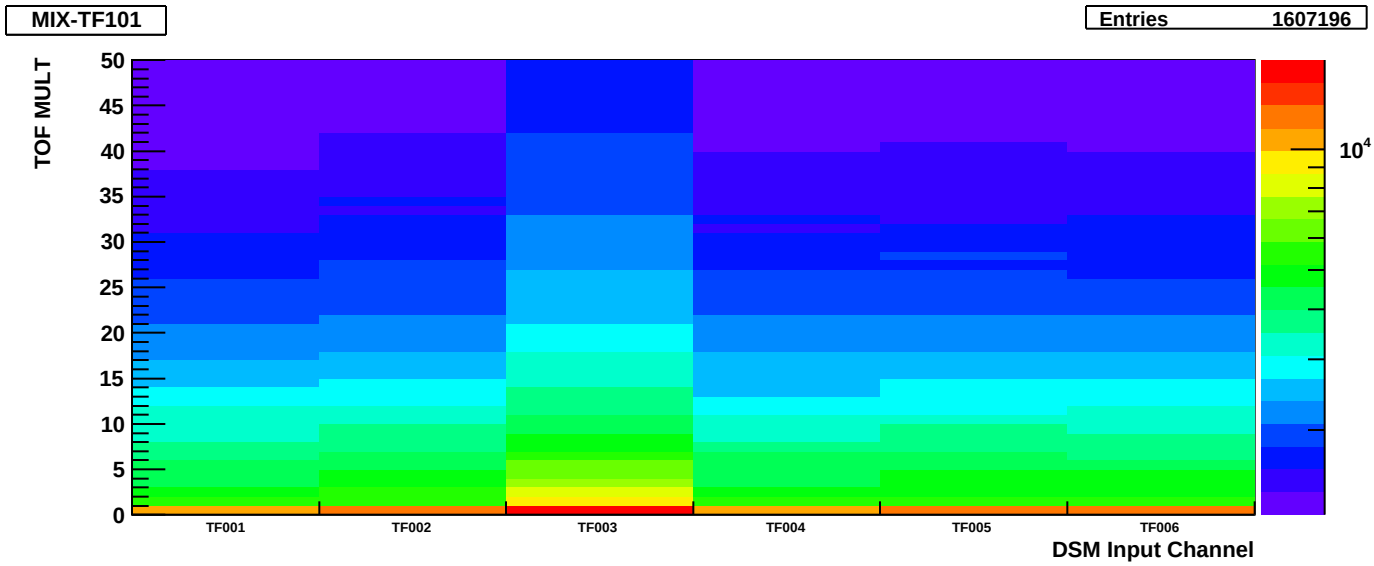

MIX-TF002
Entries 1.125037e+07
TOF MULT
TOF tray

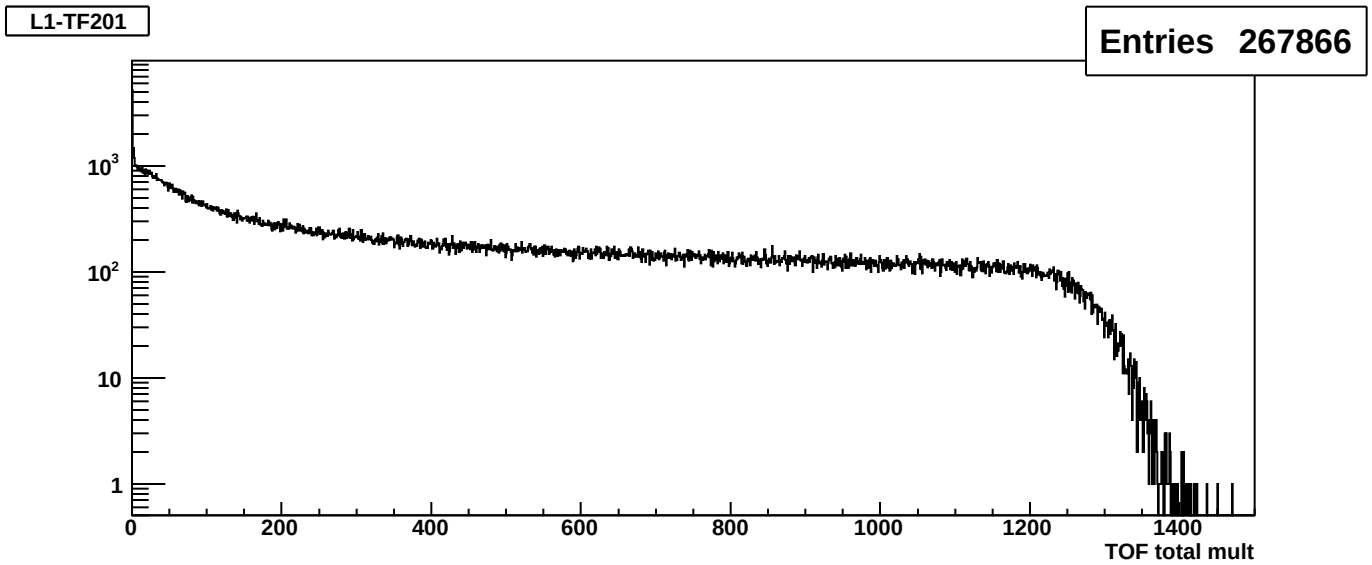

MIX-TF003
Entries 1.125037e+07
TOF MULT
TOF tray

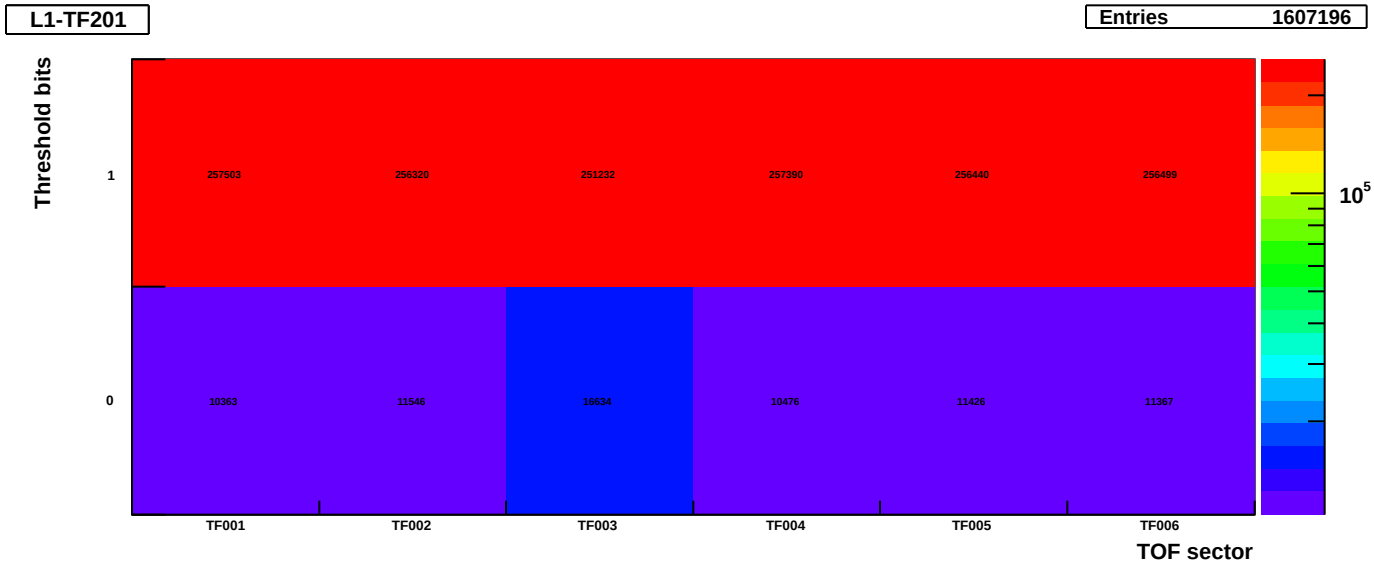

MIX-TF004
Entries 1.125037e+07
TOF MULT
TOF tray

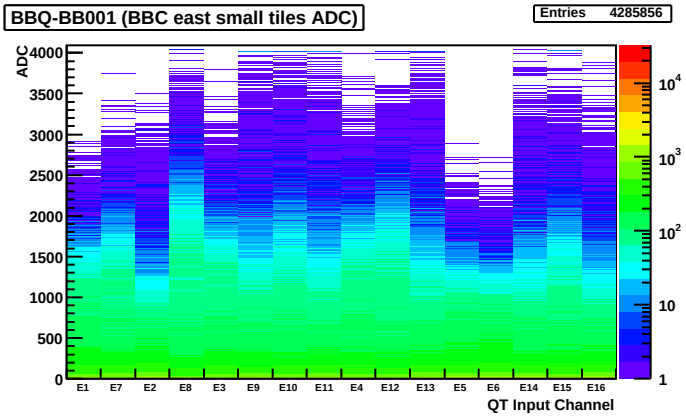

MIX-TF005
Entries 1.125037e+07
TOF MULT
TOF tray

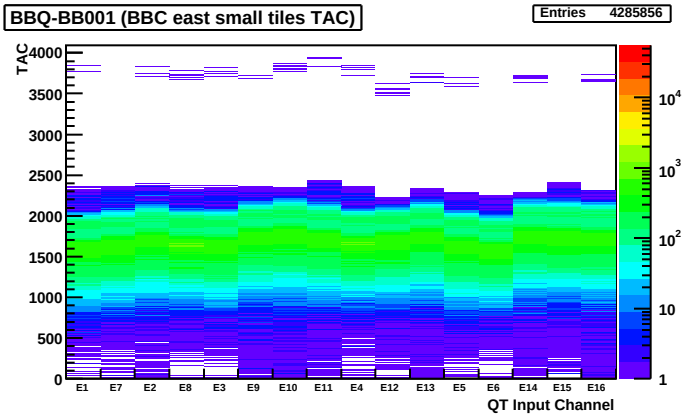

MIX-TF006
Entries 1.125037e+07
TOF MULT
TOF tray

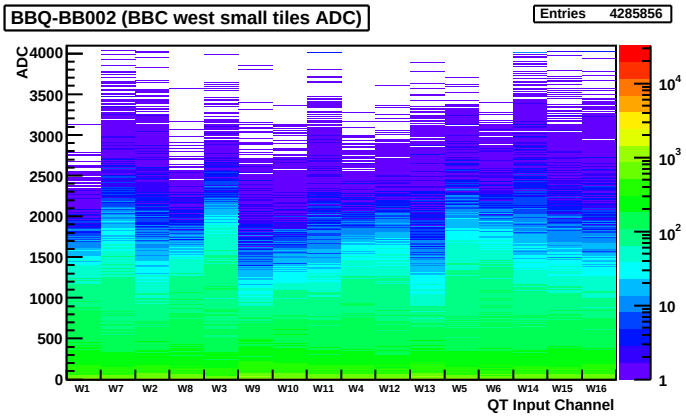

MIX-TF101
Entries 1607196
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

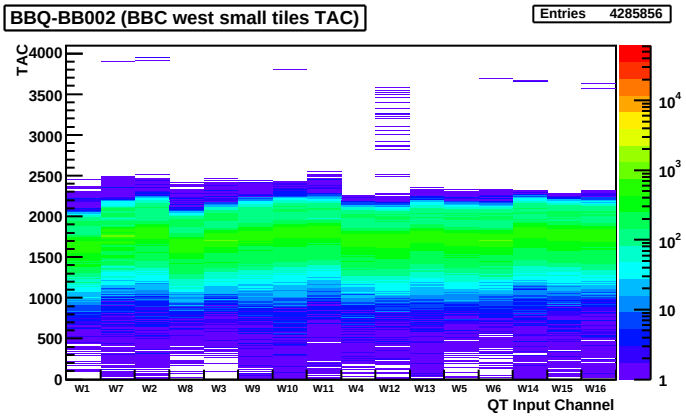

L1-TF201
Entries 267866
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

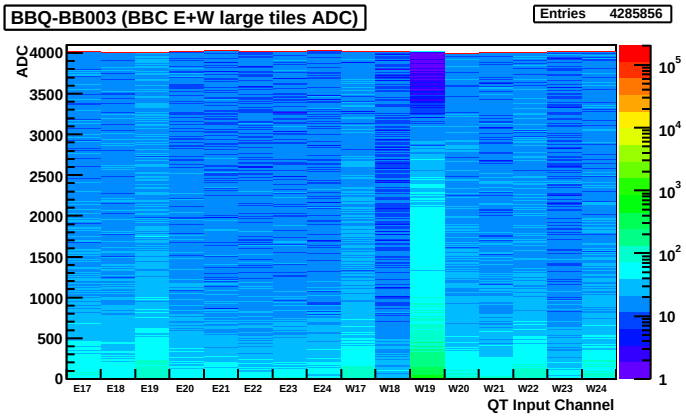

L1-TF201
Entries 1607196
Threshold bits
1
0
257503
256320
251232
257390
256440
256499
10363
11546
16634
10476
11426
11367
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

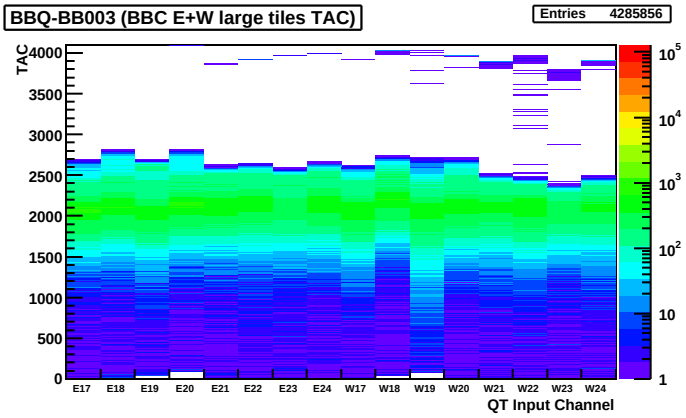

BBQ-BB001 (BBC east small tiles ADC)
Entries 4285856
ADC
QT Input Channel

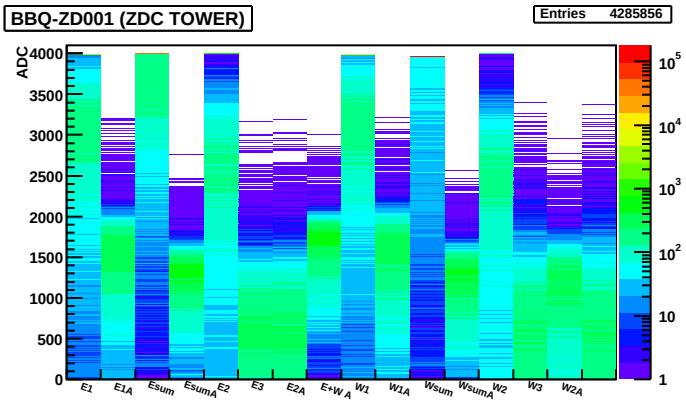

BBQ-BB001 (BBC east small tiles TAC)
Entries 4285856
TAC
QT Input Channel

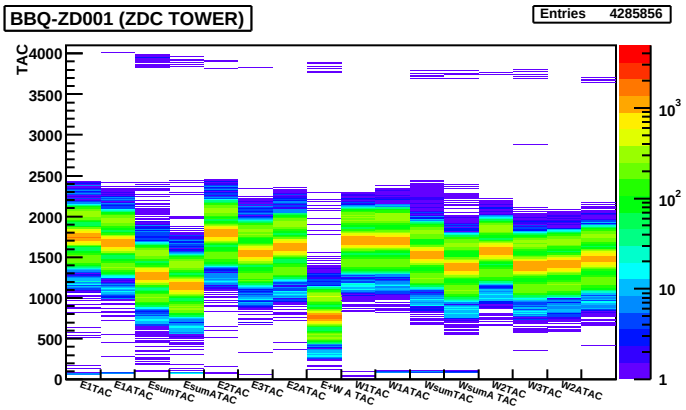

BBQ-BB002 (BBC west small tiles ADC)
Entries 4285856
ADC
QT Input Channel

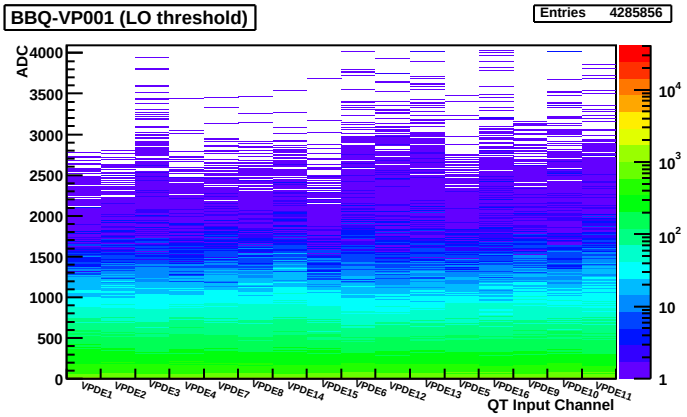

BBQ-BB002 (BBC west small tiles TAC)
Entries 4285856
TAC
QT Input Channel

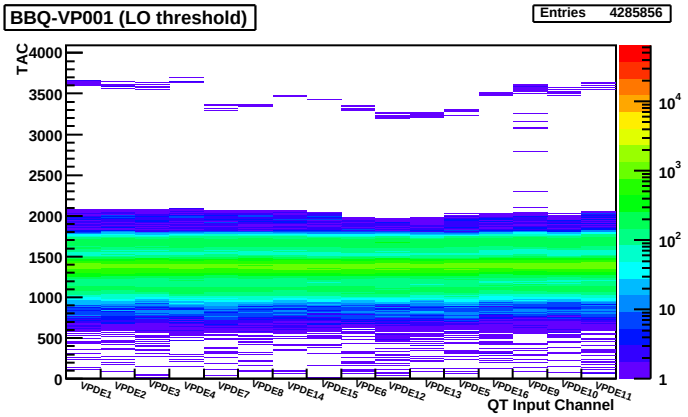

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 4285856
ADC
QT Input Channel

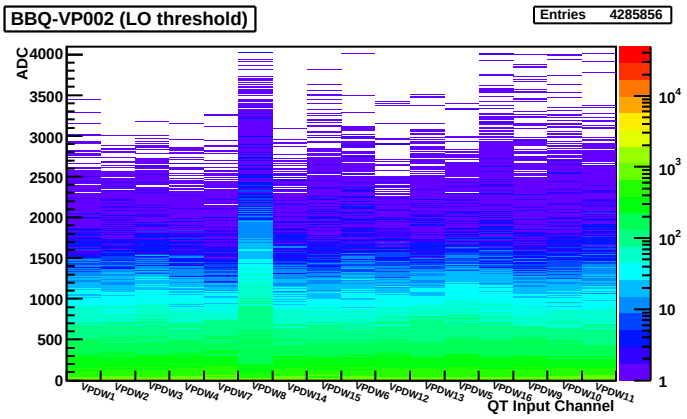

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 4285856
TAC
QT Input Channel

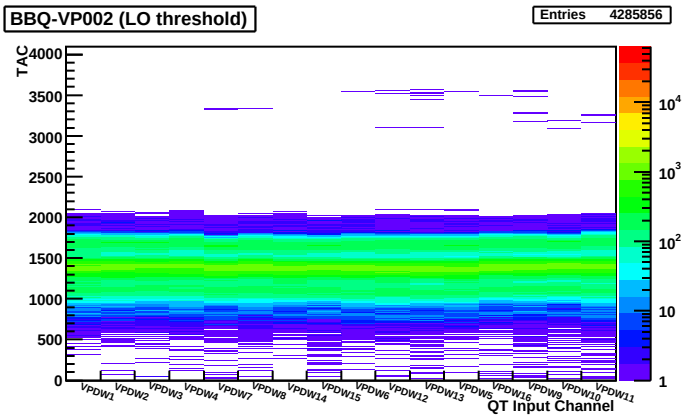

BBQ-ZD001 (ZDC TOWER)
Entries 4285856
ADC

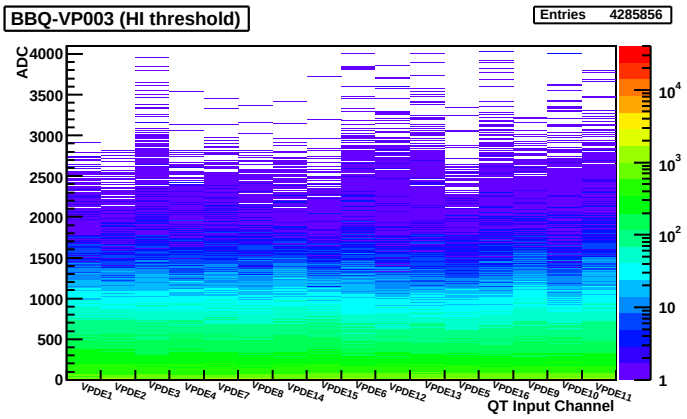

BBQ-ZD001 (ZDC TOWER)
Entries 4285856
TAC

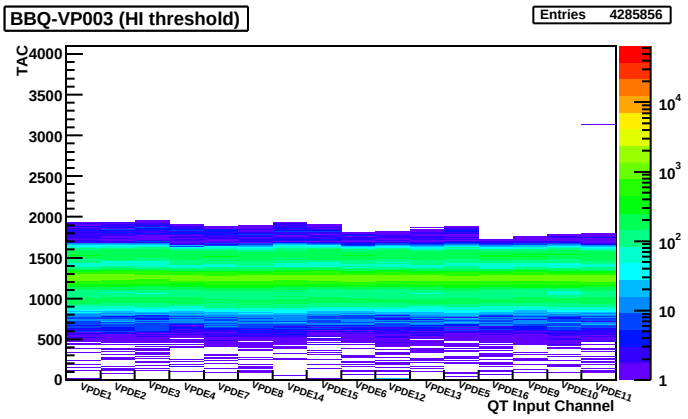

BBQ-VP001 (LO threshold)
Entries 4285856
ADC
QT Input Channel

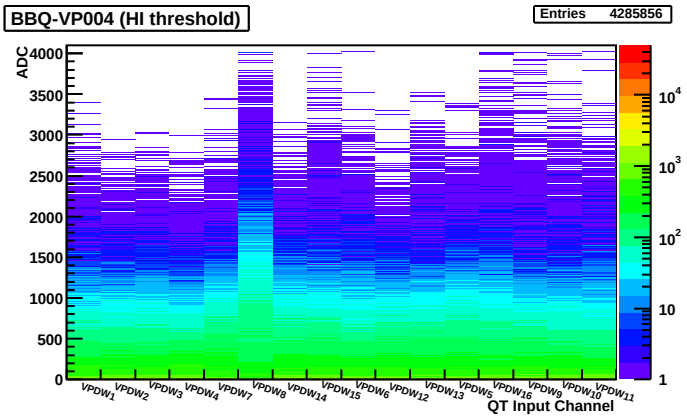

BBQ-VP001 (LO threshold)
Entries 4285856
TAC
QT Input Channel

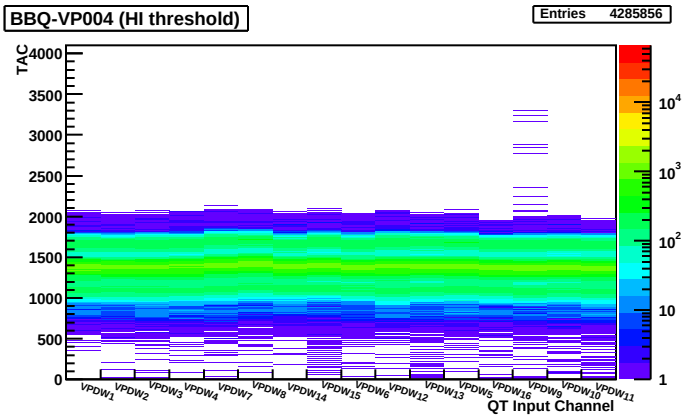

BBQ-VP002 (LO threshold)
Entries 4285856
ADC
QT Input Channel

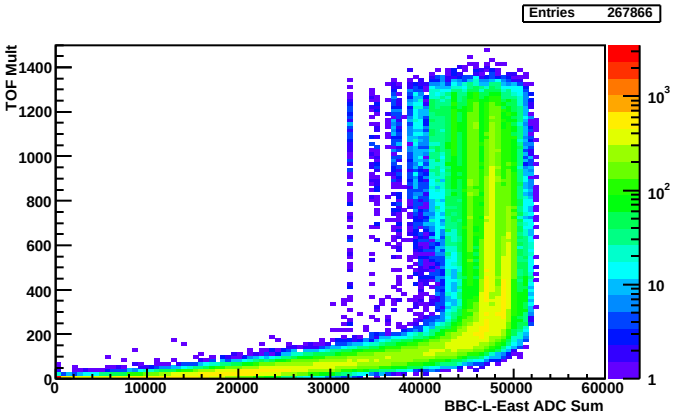

BBQ-VP002 (LO threshold)
Entries 4285856
TAC
QT Input Channel

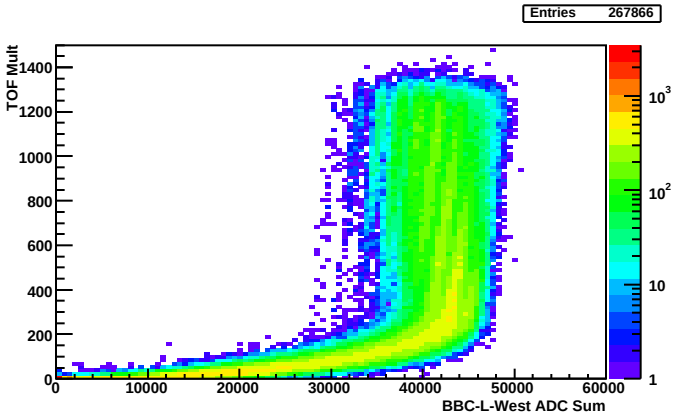

BBQ-VP003 (HI threshold)
Entries 4285856
ADC
QT Input Channel

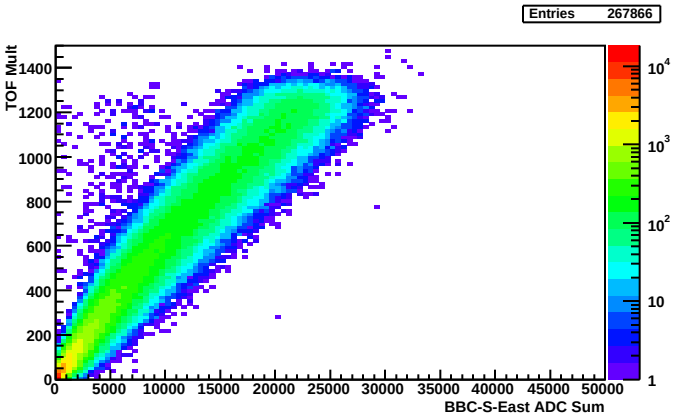

BBQ-VP003 (HI threshold)
Entries 4285856
TAC
QT Input Channel

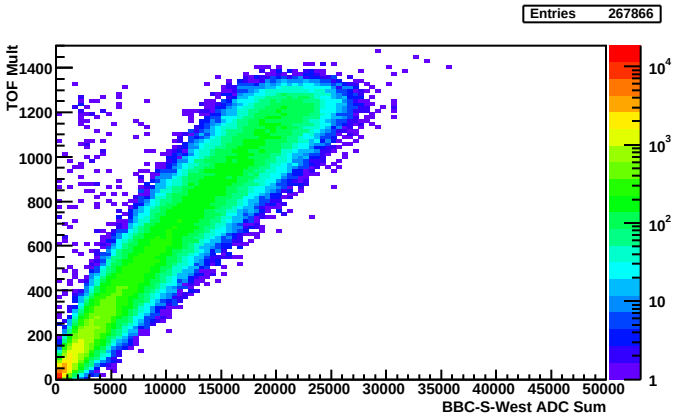

BBQ-VP004 (HI threshold)
Entries 4285856
ADC
QT Input Channel

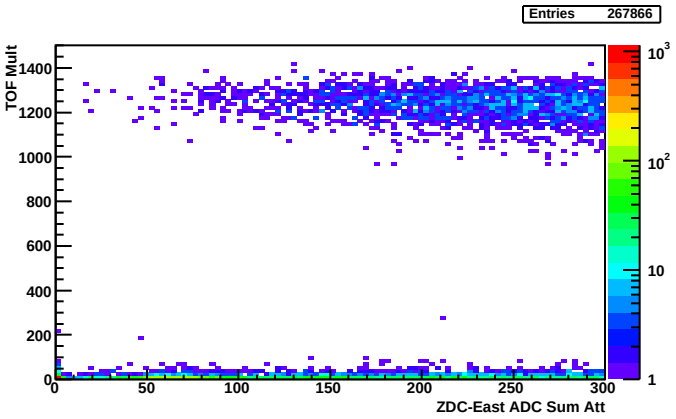

BBQ-VP004 (HI threshold)
Entries 4285856
TAC
QT Input Channel

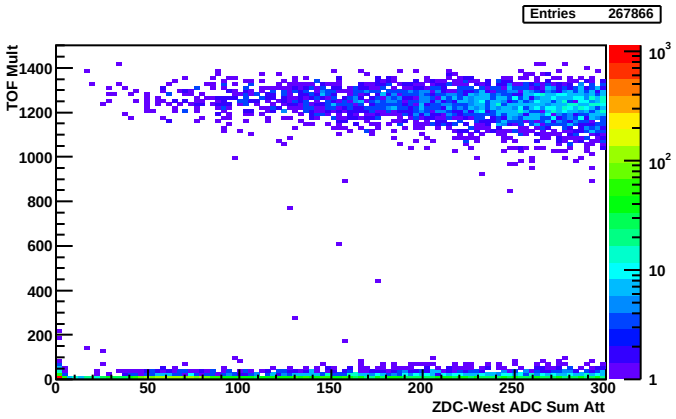

Entries 267866
TOF Mult
BBC-L-East ADC Sum

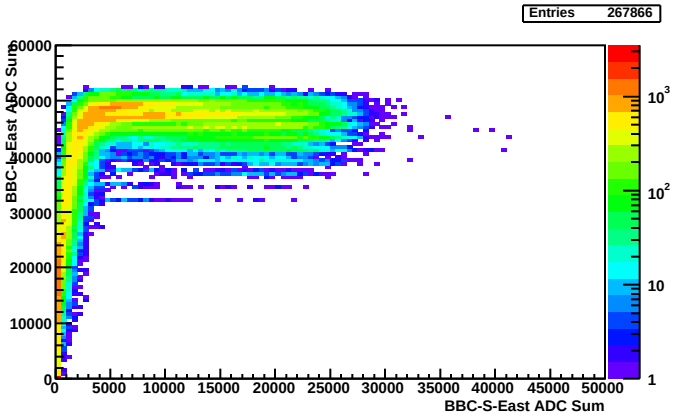

Entries 267866
TOF Mult
BBC-L-West ADC Sum

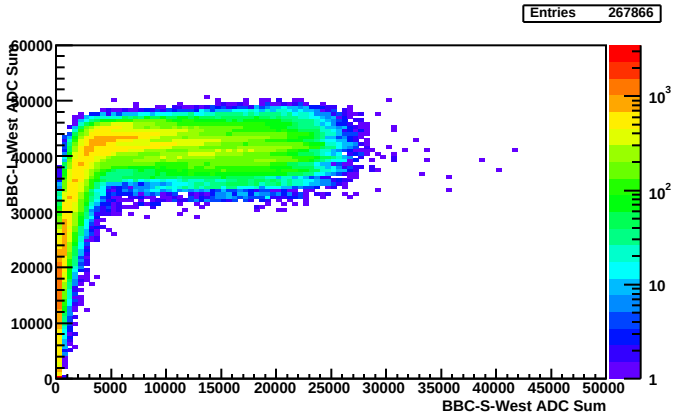

Entries 267866
TOF Mult
BBC-S-East ADC Sum

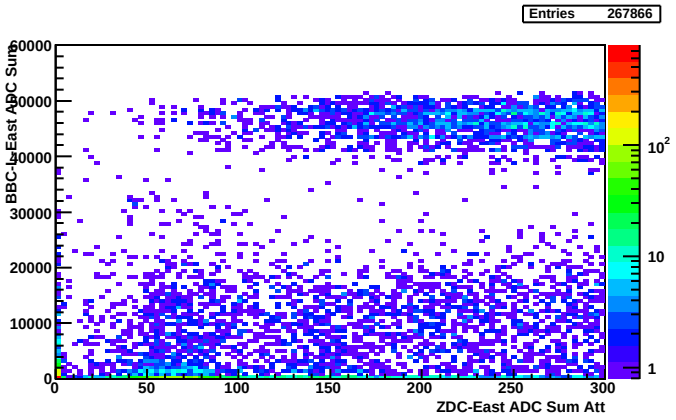

Entries 267866
TOF Mult
BBC-S-West ADC Sum

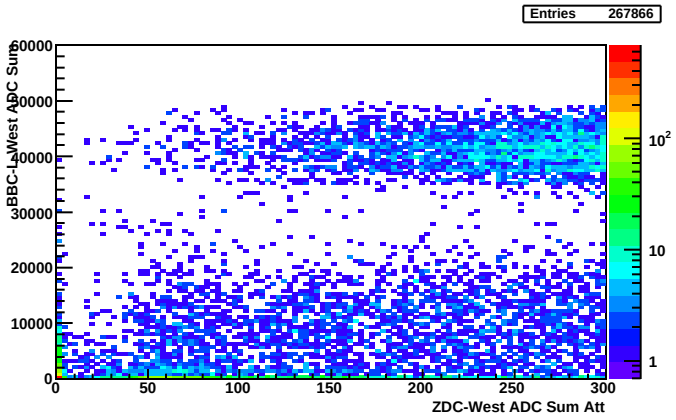

Entries 267866
TOF Mult
ZDC-East ADC Sum Att


Entries 267866
TOF Mult
ZDC-West ADC Sum Att


Entries 267866
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 267866
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 267866
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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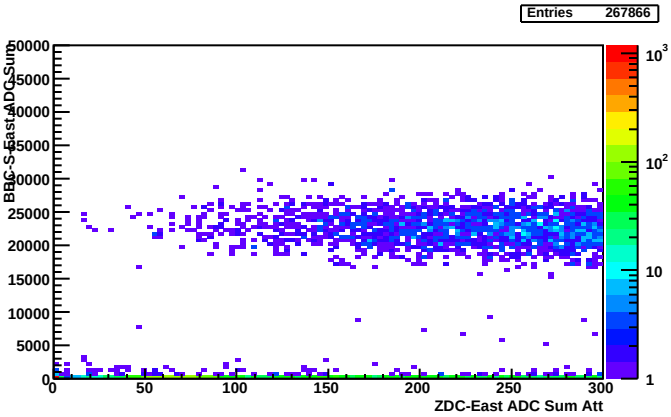
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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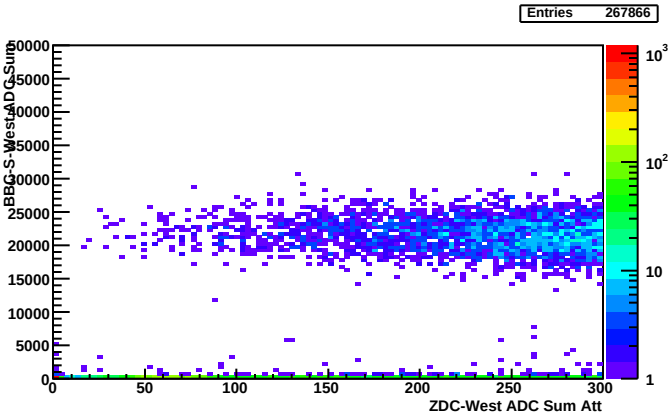
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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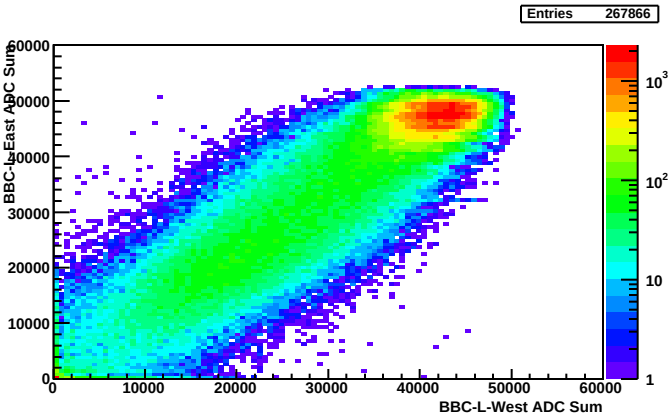
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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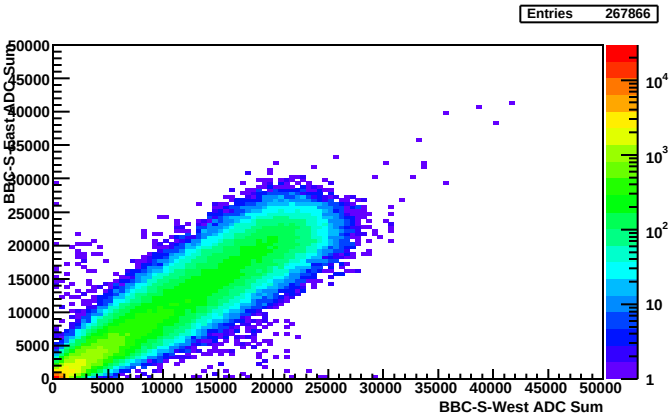
BBC-L-East ADC Sum
BBC-L-West ADC Sum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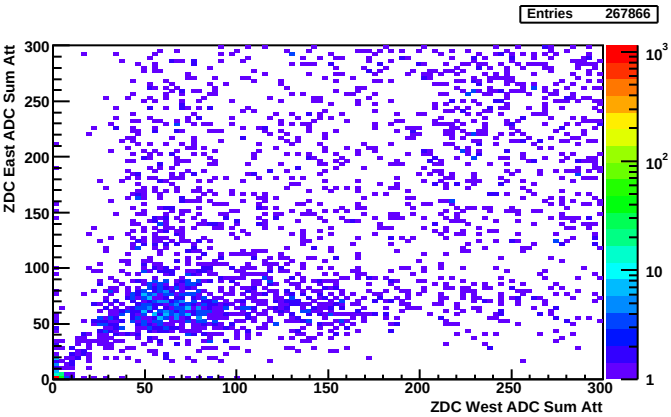
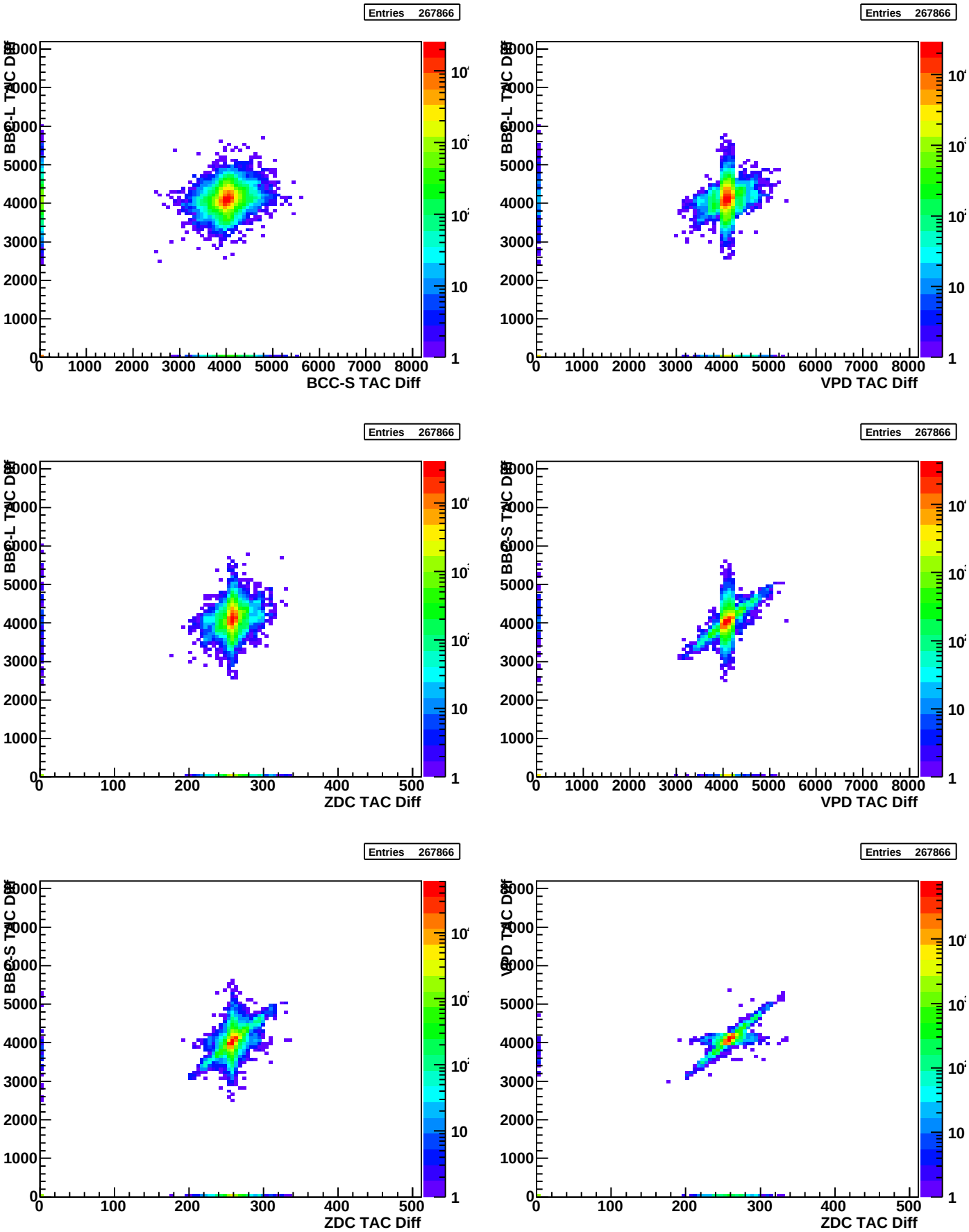
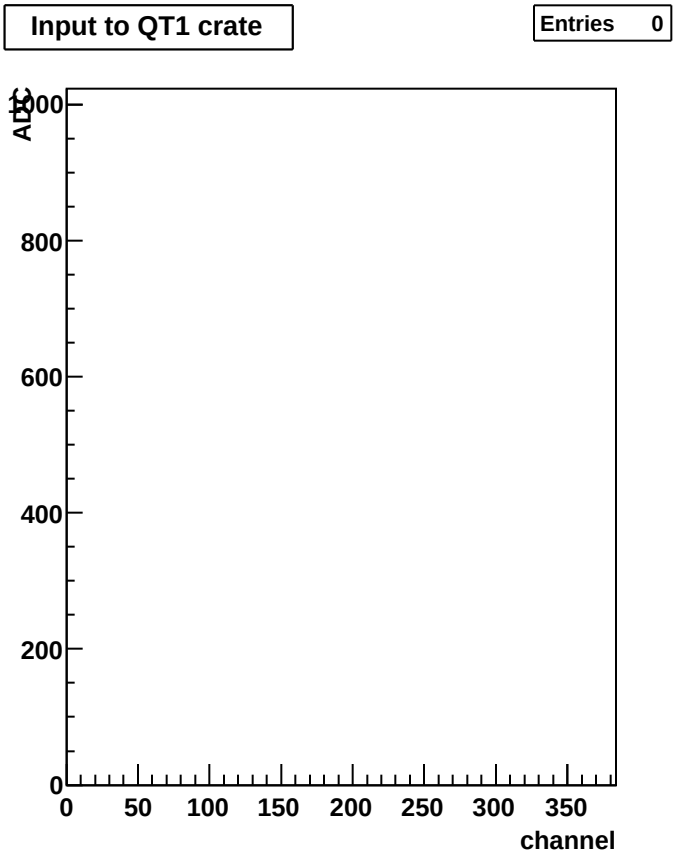
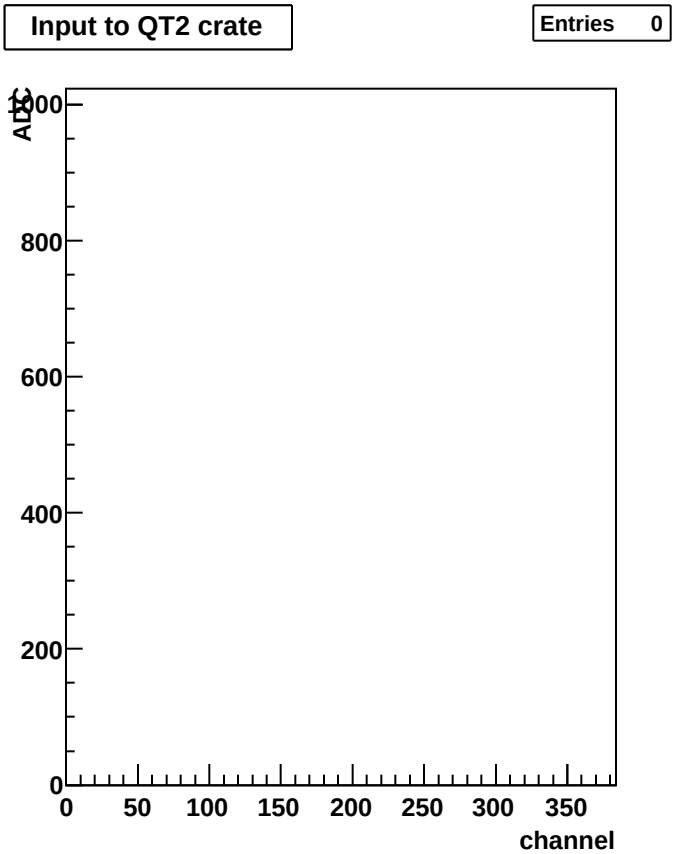
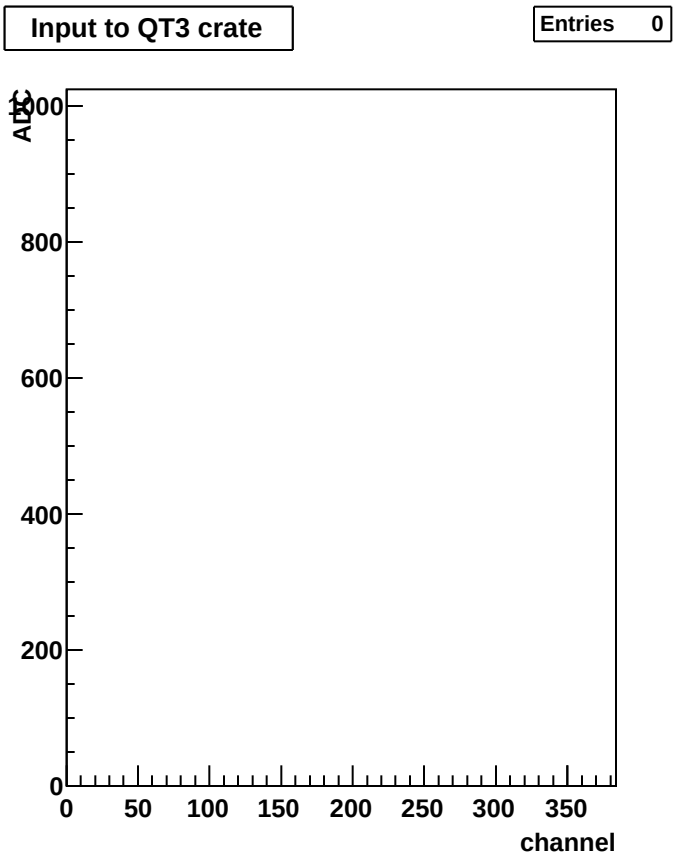
BBC-S-East ADC Sum
BBC-S-West ADC Sum

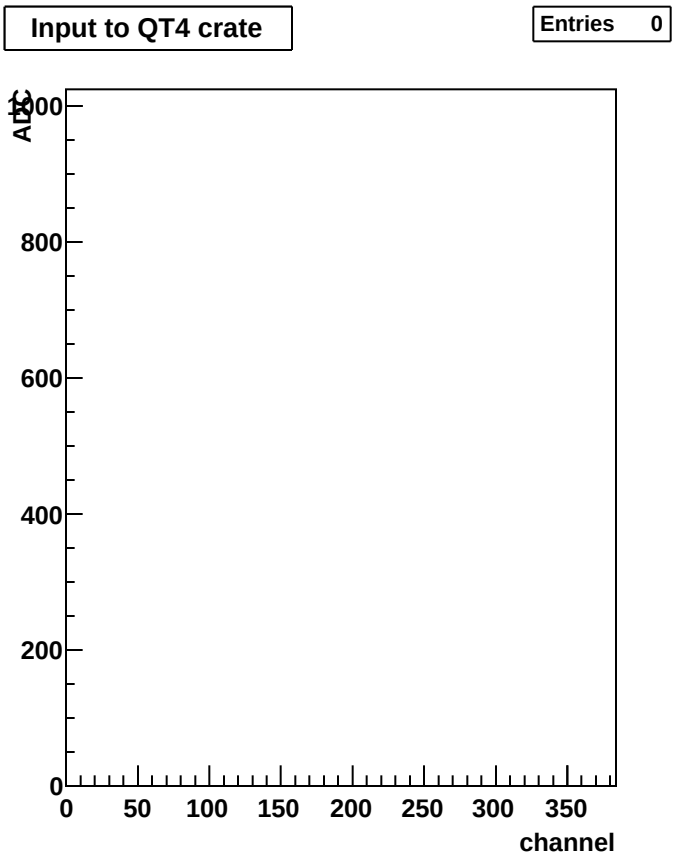

Entries 267866
ZDC East ADC Sum Att
ZDC West ADC Sum Att

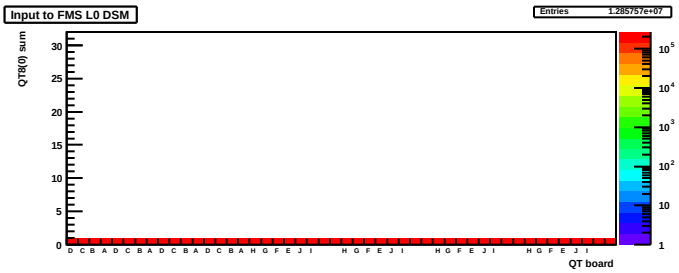

Entries 267866
BBC-L TAC Diff
BCC-S TAC Diff
Entries 267866
BBC-L TAC Diff
VPD TAC Diff
Entries 267866
BBC-L TAC Diff
ZDC TAC Diff
Entries 267866
BBC-S TAC Diff
VPD TAC Diff
Entries 267866
BBC-S TAC Diff
ZDC TAC Diff
Entries 267866
VPD TAC Diff
ZDC TAC Diff

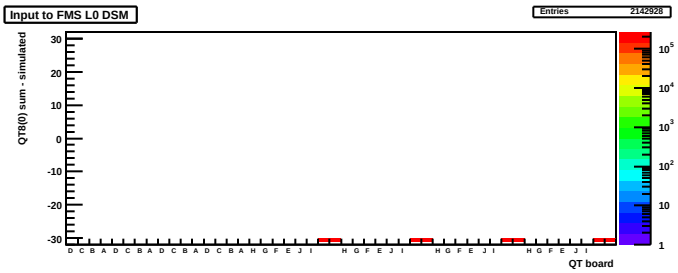

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

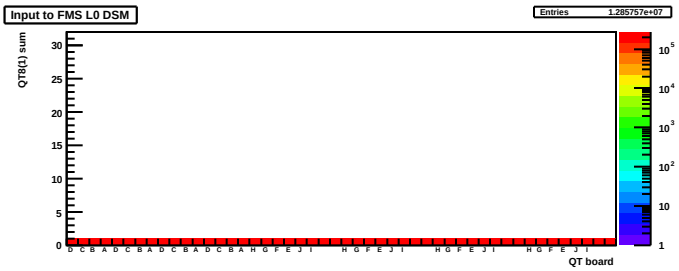

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

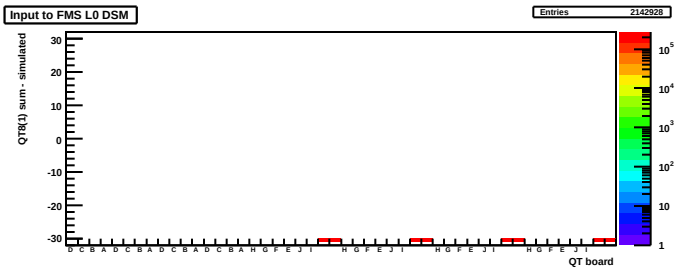

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

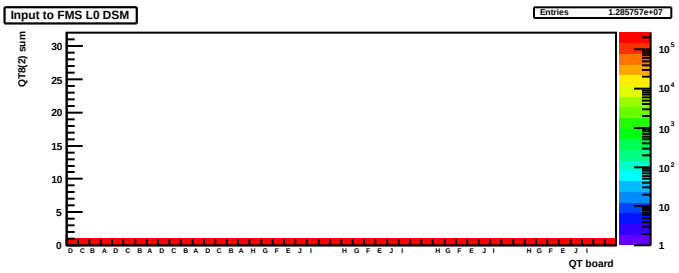

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

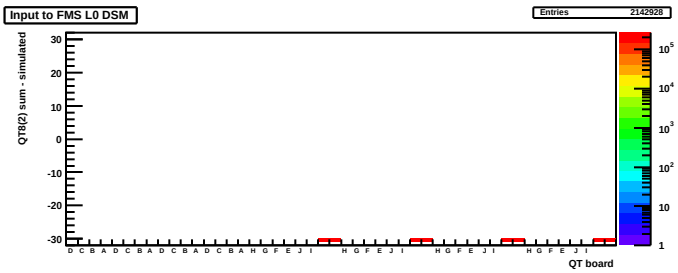

Input to FMS L0 DSM
Entries 1.285757e+07
QT8(0) sum
QT board

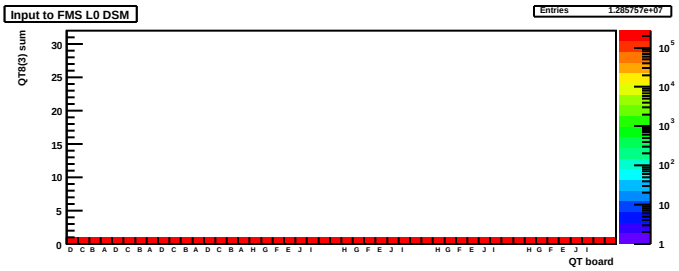

Input to FMS L0 DSM
Entries 2142928
QT8(0) sum - simulated
QT board

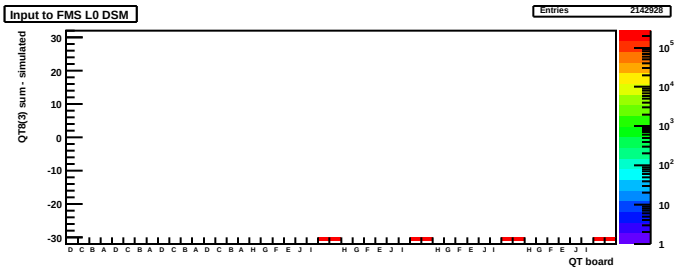

Input to FMS L0 DSM
Entries 1.285757e+07
QT8(1) sum
QT board

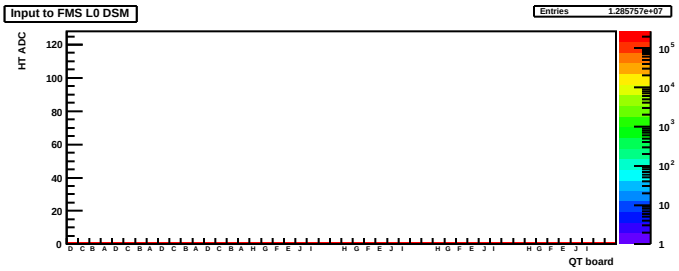

Input to FMS L0 DSM
Entries 2142928
QT8(1) sum - simulated
QT board

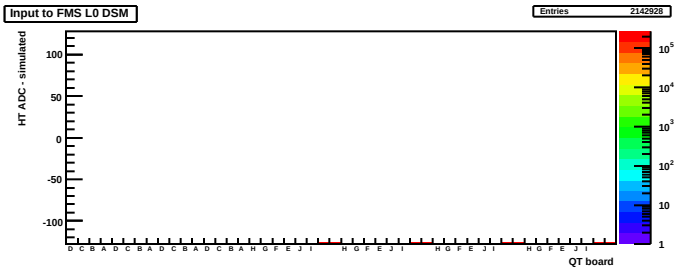

Input to FMS L0 DSM
Entries 1.285757e+07
QT8(2) sum
QT board

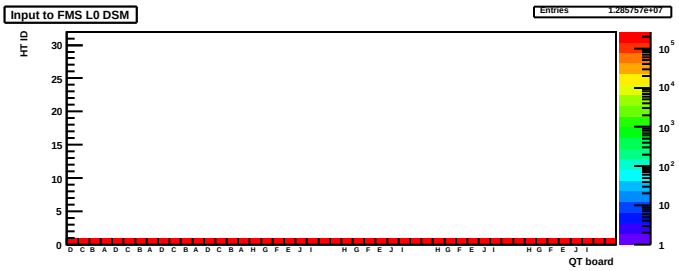

Input to FMS L0 DSM
Entries 2142928
QT8(2) sum - simulated
QT board

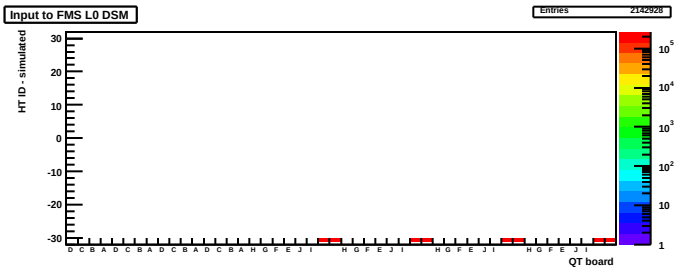

Input to FMS L0 DSM
Entries 1.285757e+07
QT8(3) sum
QT board

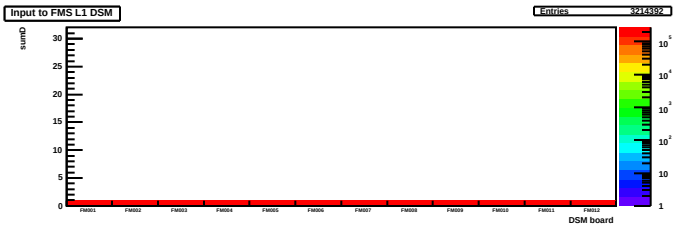

Input to FMS L0 DSM
Entries 2142928
QT8(3) sum - simulated
QT board

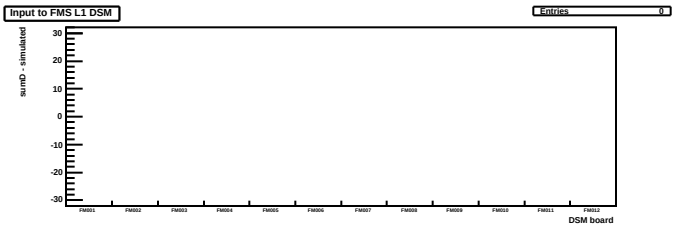

Input to FMS L0 DSM
Entries 1.285757e+07
HT ADC
QT board

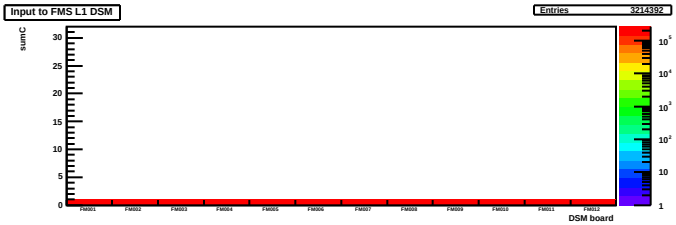

Input to FMS L0 DSM
Entries 2142928
HT ADC - simulated
QT board

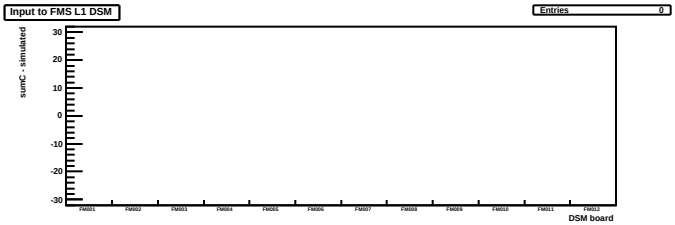

Input to FMS L0 DSM
Entries 1.285757e+07
HT ID
QT board

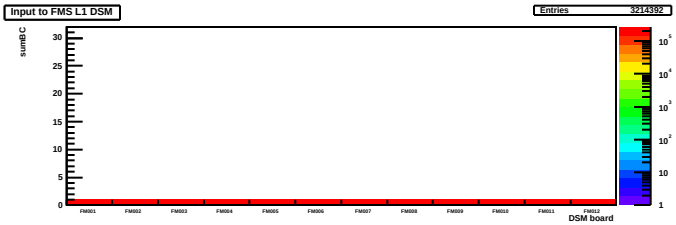

Input to FMS L0 DSM
Entries 2142928
HT ID - simulated
QT board

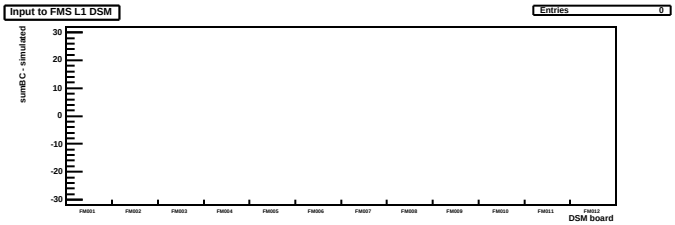

Input to FMS L1 DSM
Entries 3214392
sumD
DSM board

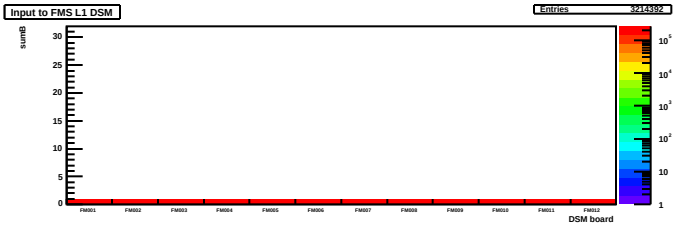

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

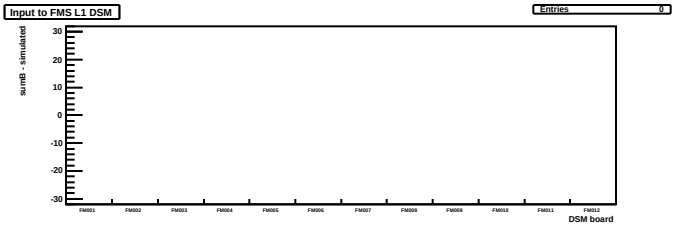

Input to FMS L1 DSM
Entries 3214392
sumC
DSM board

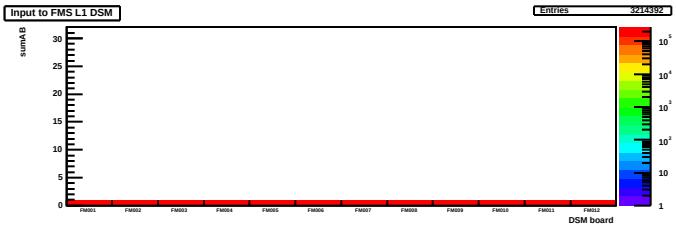

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

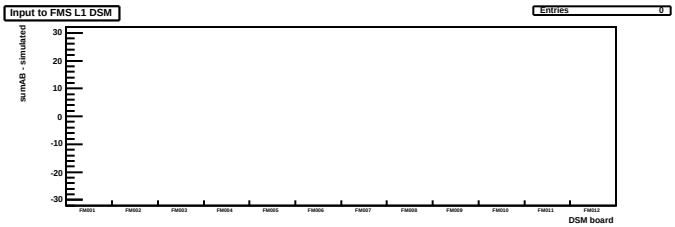

Input to FMS L1 DSM
Entries 3214392
sumBC
DSM board

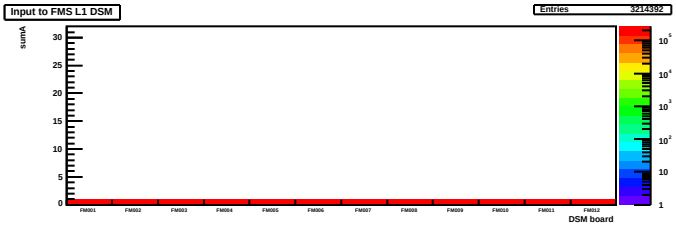

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

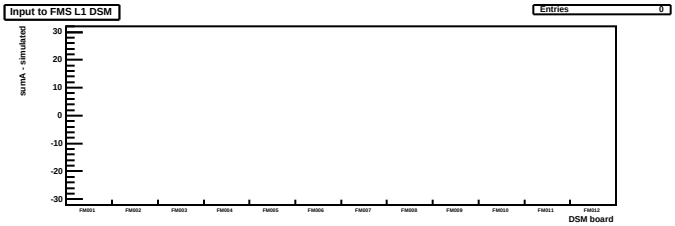

Input to FMS L1 DSM
Entries 3214392
sumB
DSM board

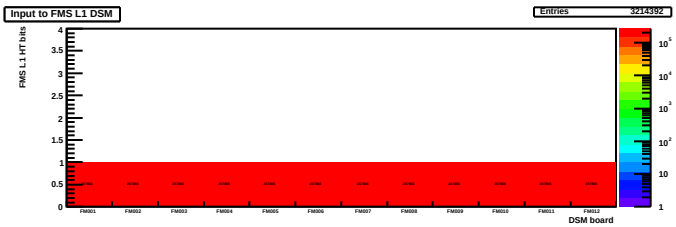

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

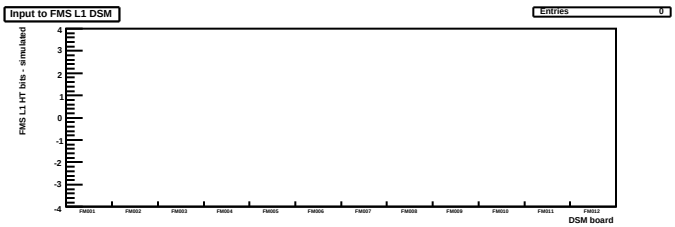

Input to FMS L1 DSM
Entries 3214392
sumAB
DSM board

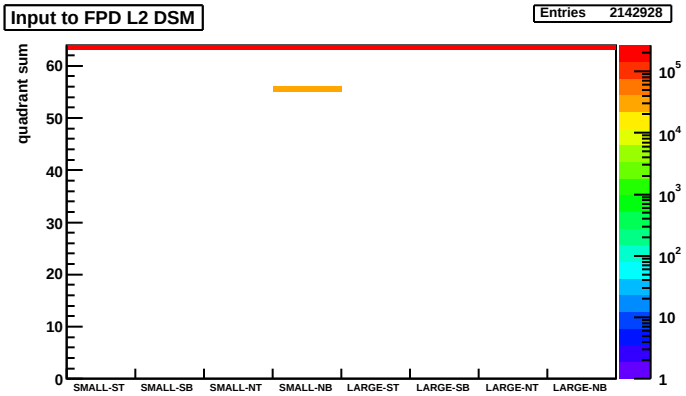

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

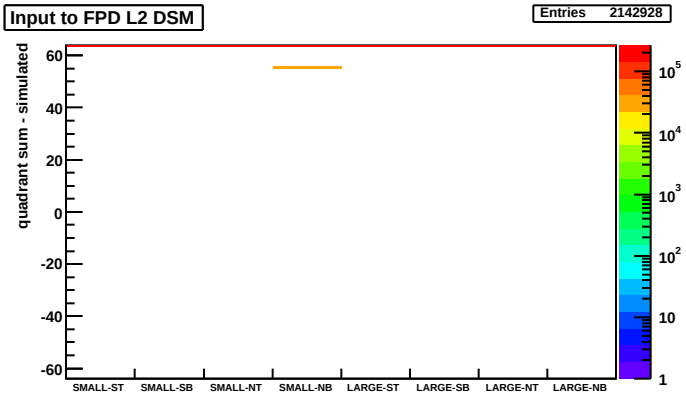

Input to FMS L1 DSM
Entries 3214392
sumA
DSM board

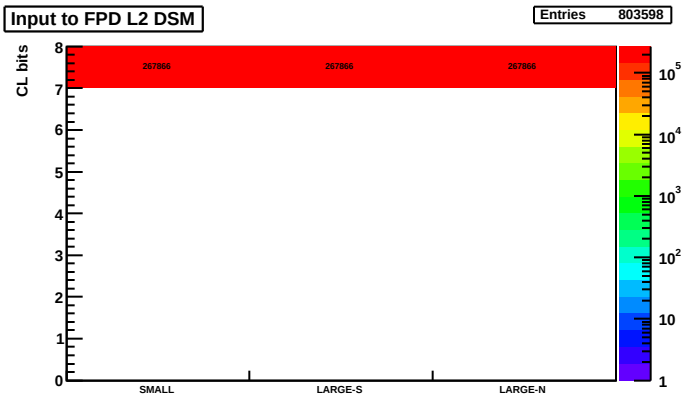

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

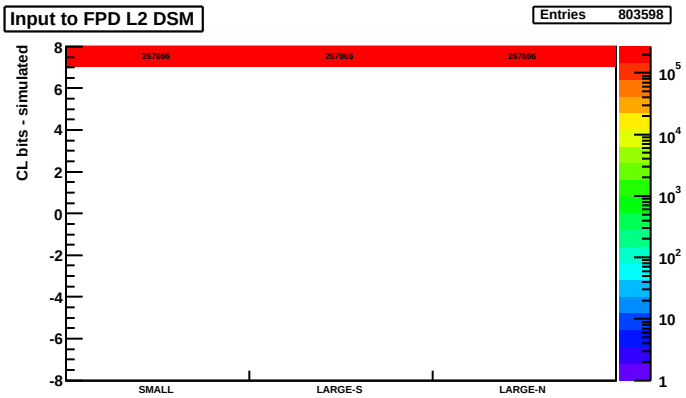

Input to FMS L1 DSM
Entries 3214392
FMS L1 HT bits
DSM board

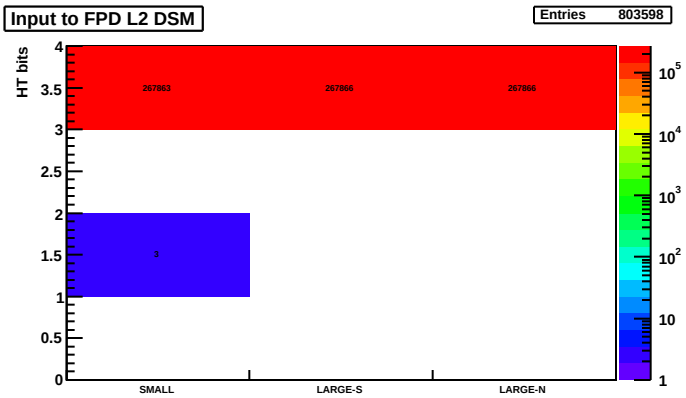

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

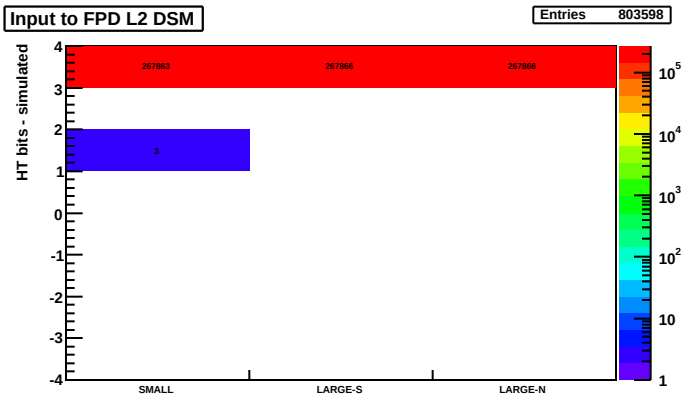

Input to FPD L2 DSM
Entries 2142928
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

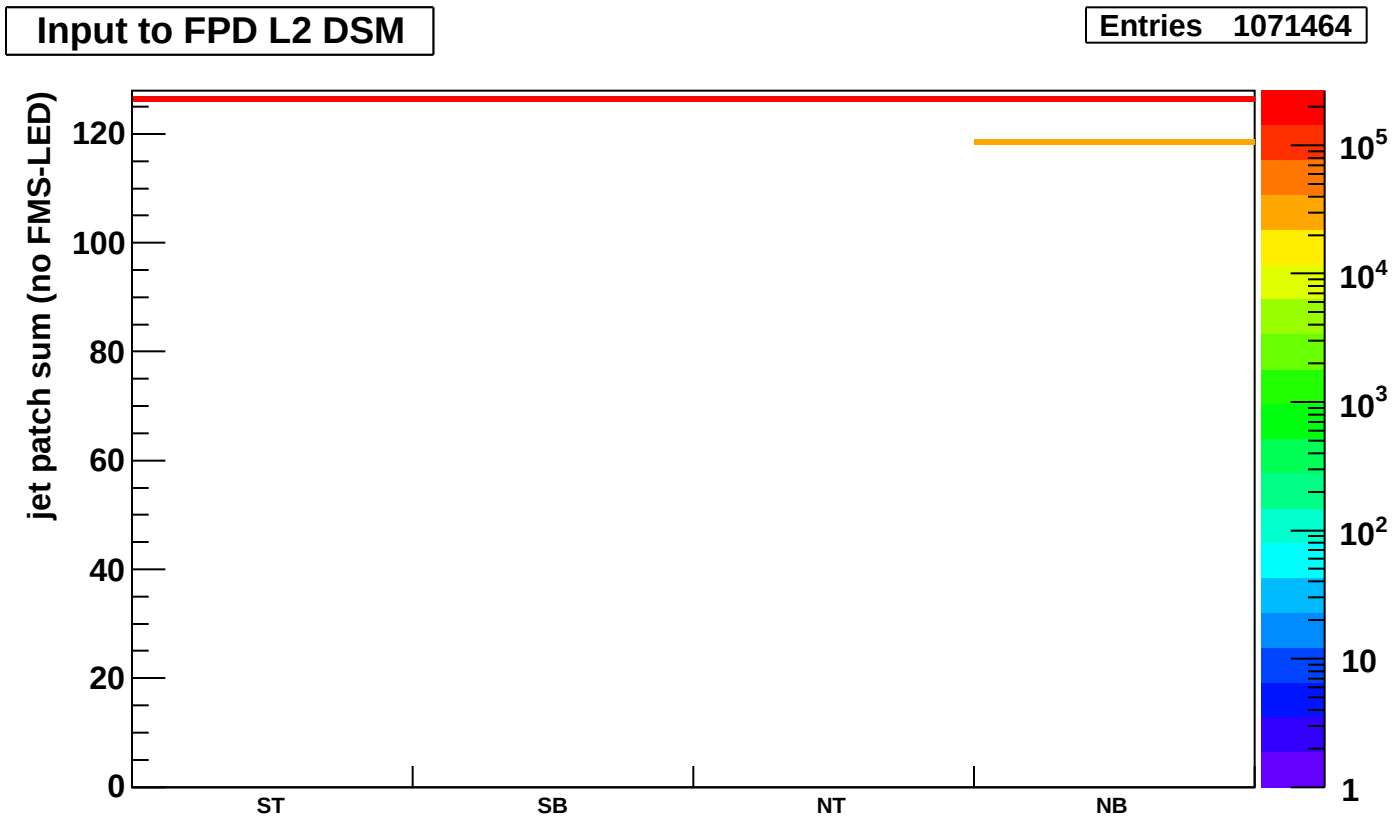

Input to FPD L2 DSM
Entries 2142928
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

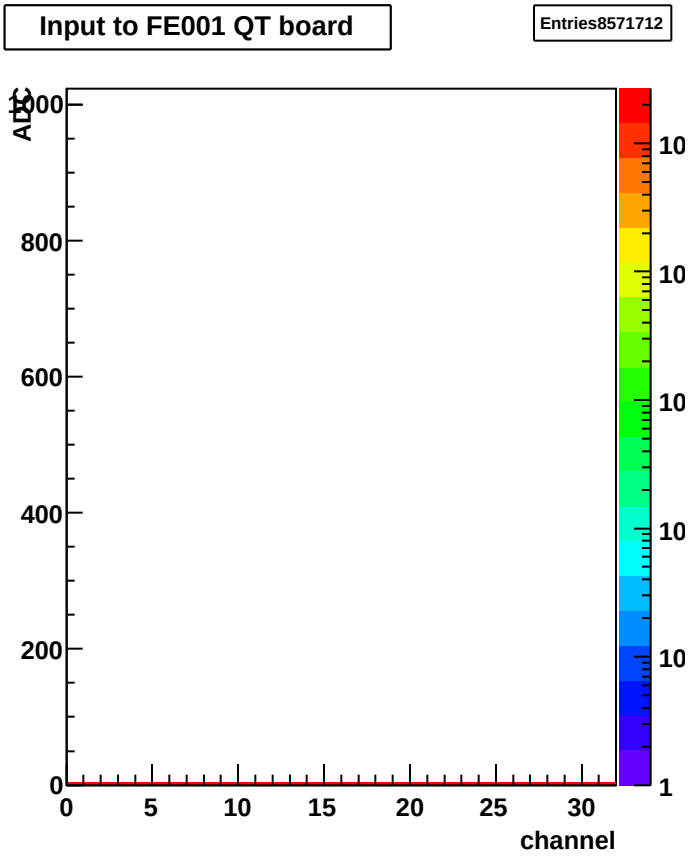

Input to FPD L2 DSM
Entries 803598
CL bits
267866
267866
267866
SMALL
LARGE-S
LARGE-N

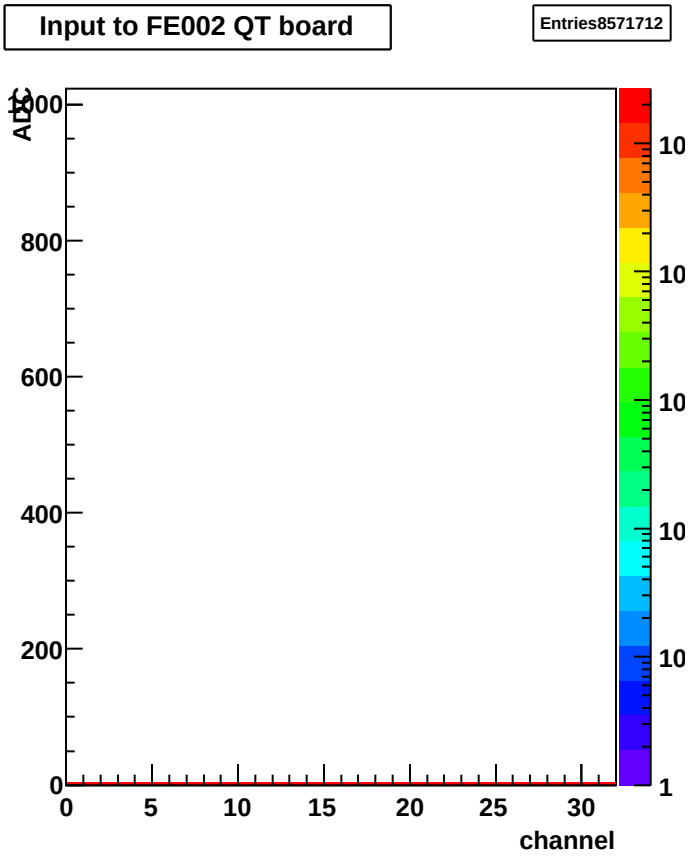

Input to FPD L2 DSM
Entries 803598
CL bits - simulated
267866
267866
267866
SMALL
LARGE-S
LARGE-N

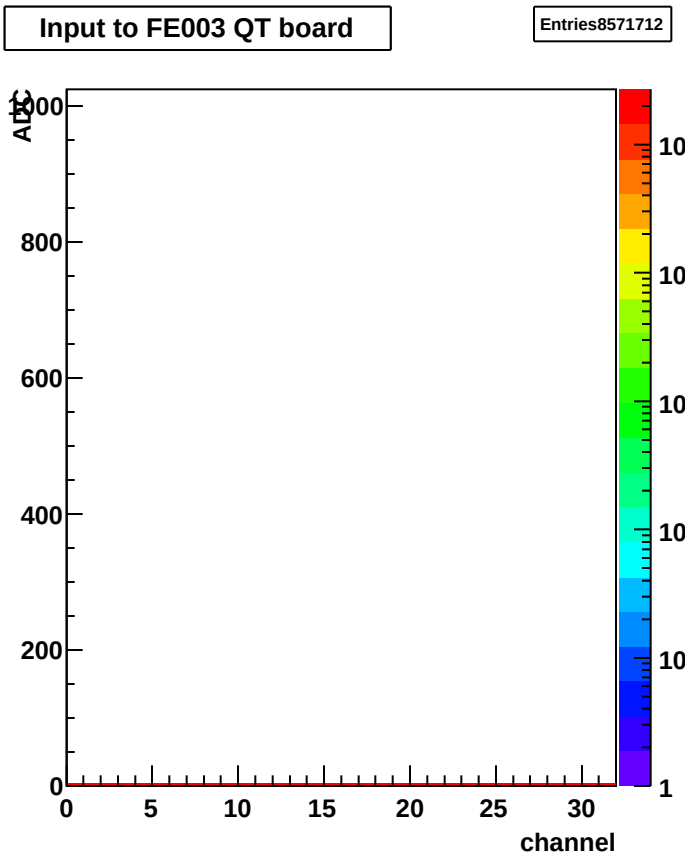

Input to FPD L2 DSM
Entries 803598
HT bits
267863
267866
267866
3
SMALL
LARGE-S
LARGE-N

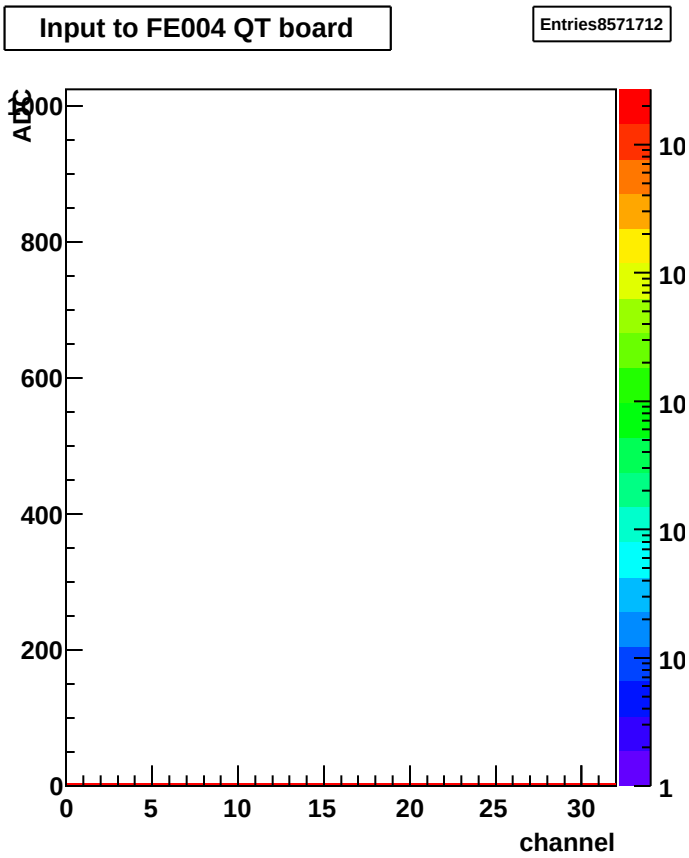

Input to FPD L2 DSM
Entries 803598
HT bits - simulated
267863
267866
267866
3
SMALL
LARGE-S
LARGE-N


Input to FPD L2 DSM
Entries 1071464
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

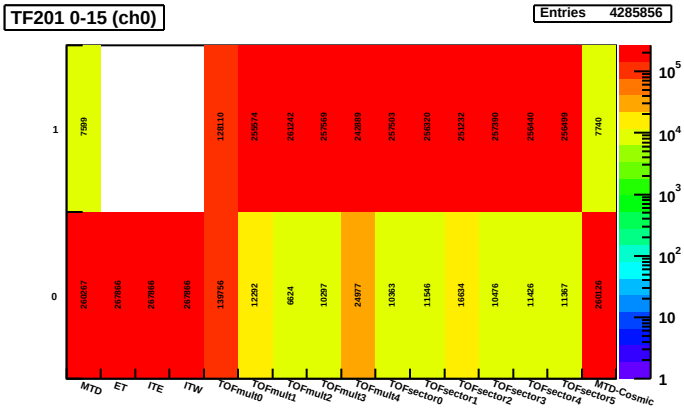

Input to FE001 QT board
Entries8571712
ADC
channel


Input to FE002 QT board
Entries8571712
ADC
channel

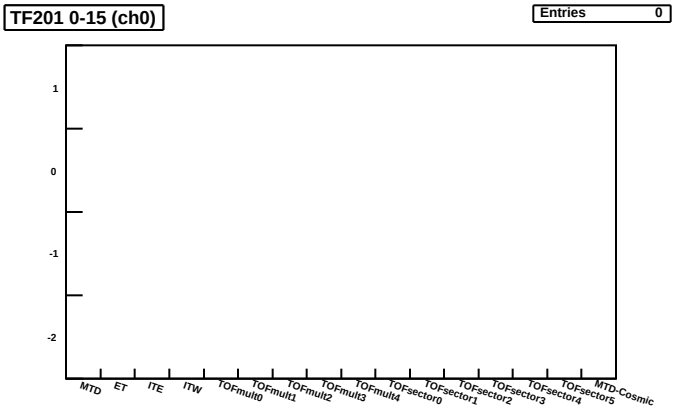

Input to FE003 QT board
Entries8571712
ADC
channel


Input to FE004 QT board
Entries8571712
ADC
channel

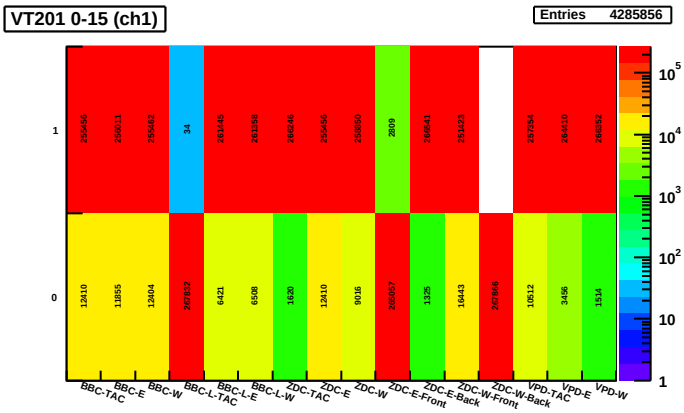
TF201 0-15 (ch0)



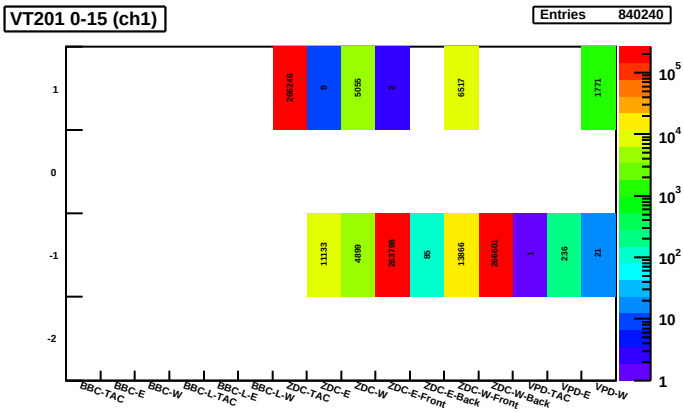
TF201 0-15 (ch0)



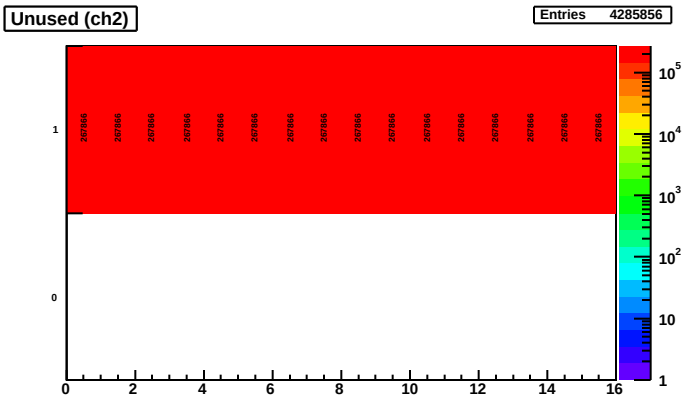
VT201 0-15 (ch1)

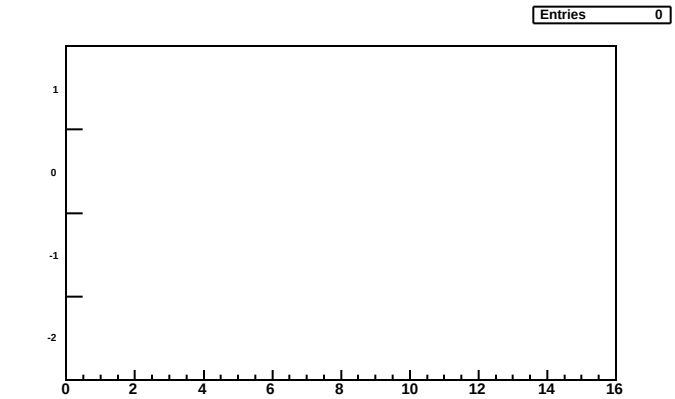


VT201 0-15 (ch1)

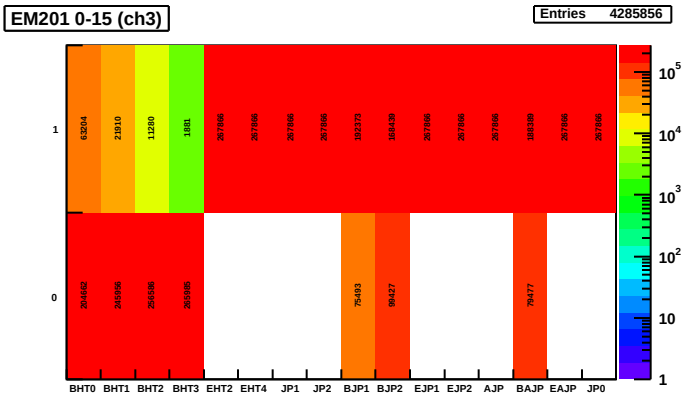


Unused (ch2)

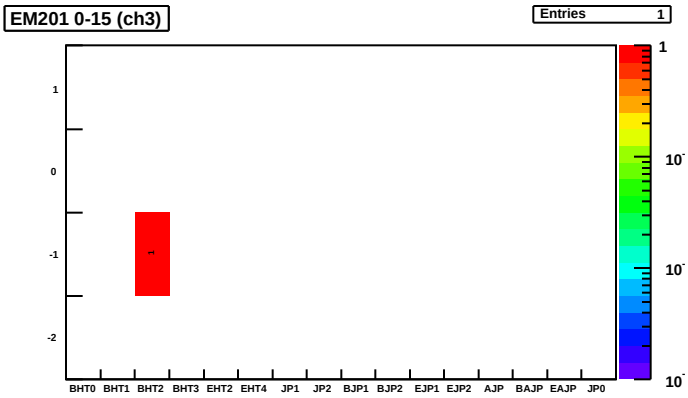




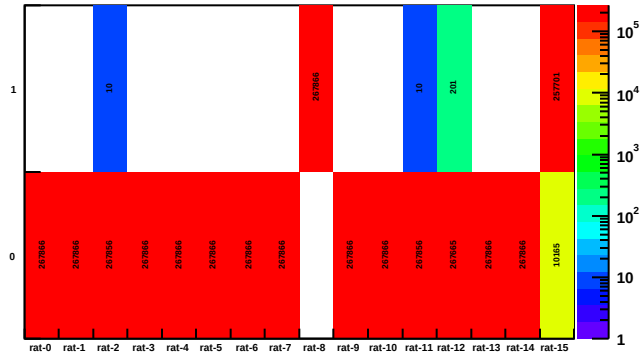
EM201 0-15 (ch3)

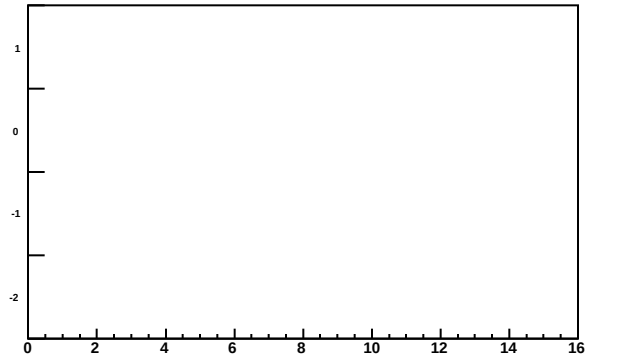


EM201 0-15 (ch3)

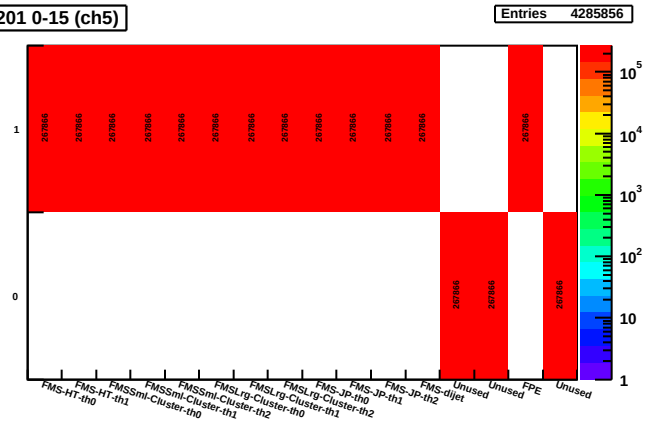


RAT board (ch4)

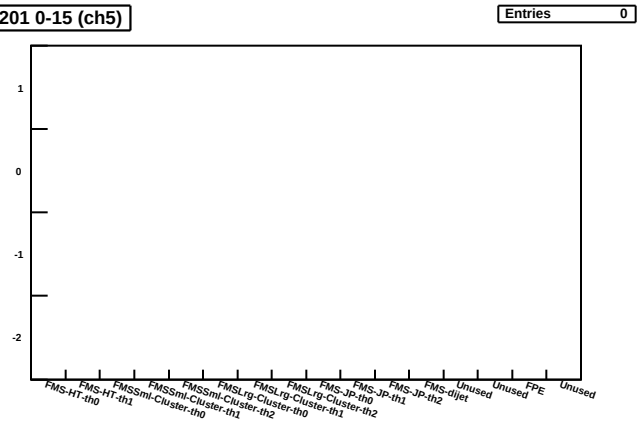




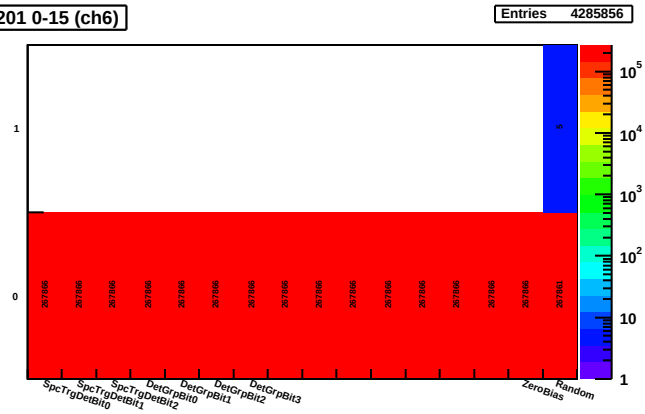
FP201 0-15 (ch5)

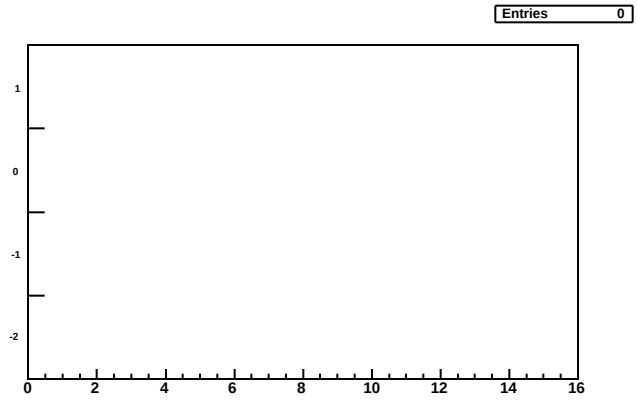
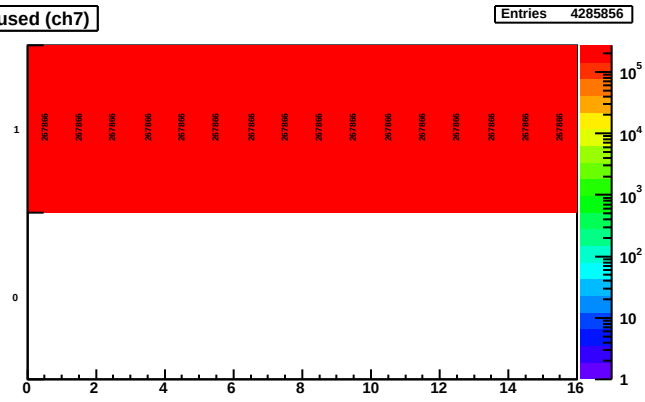
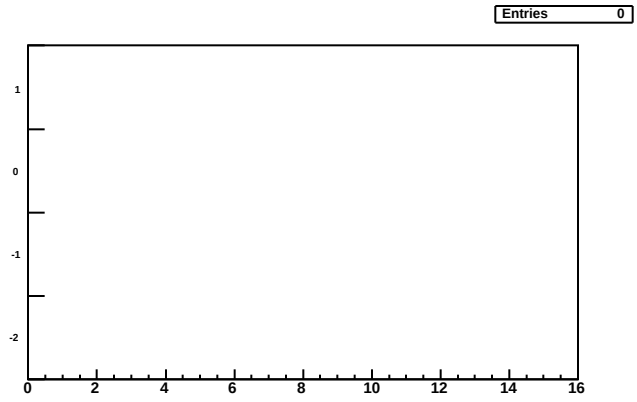


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)