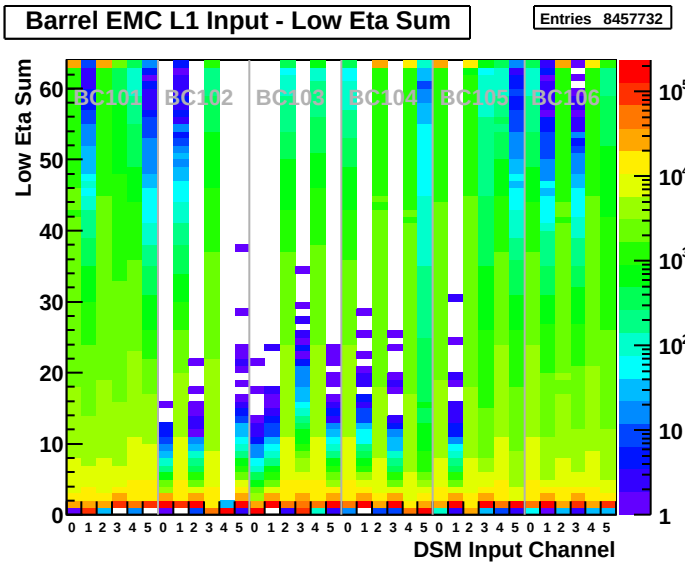
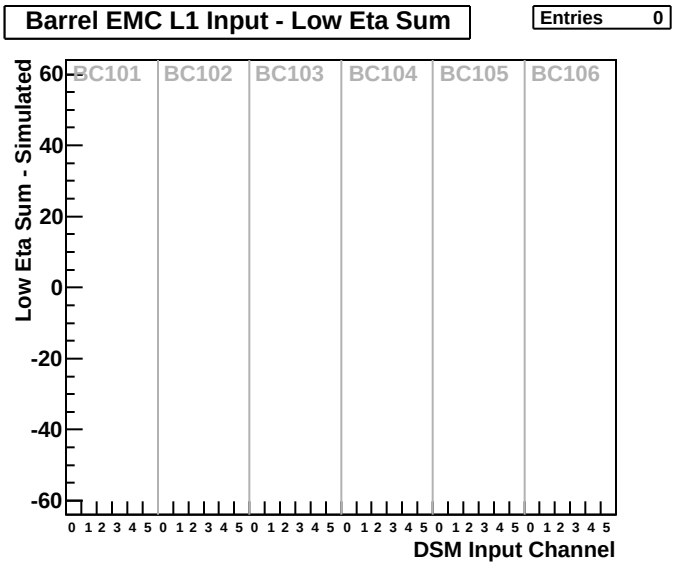
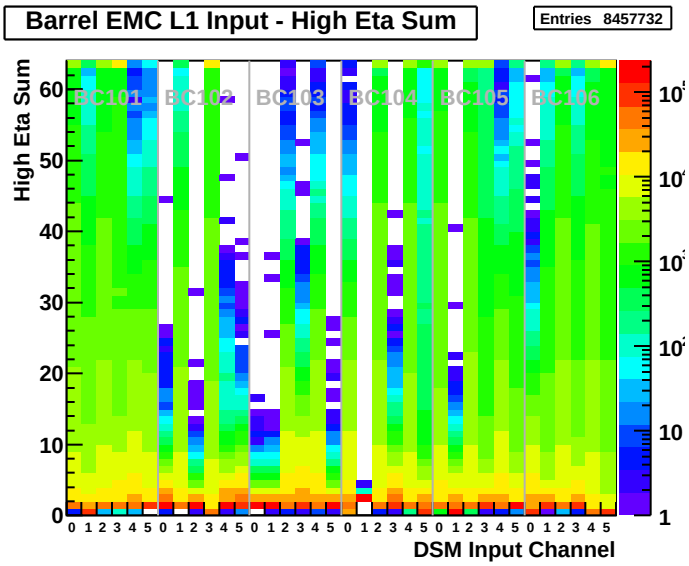
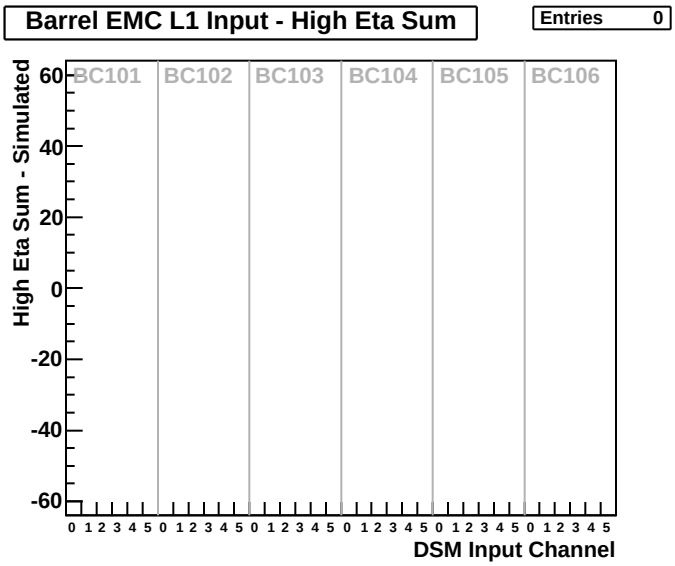
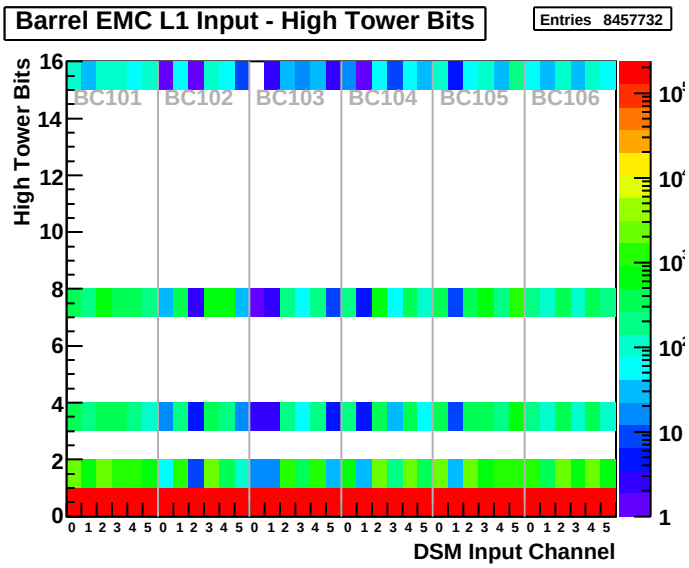
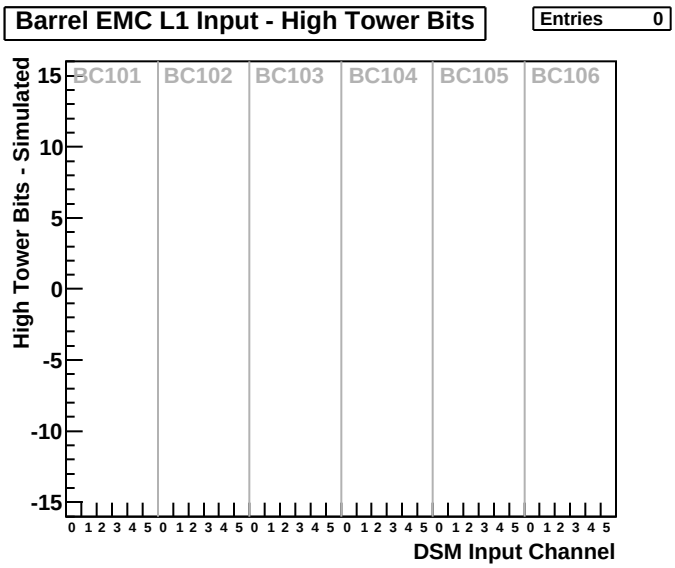

Barrel EMC L1 Input - Low Eta Sum
Entries 8457732
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

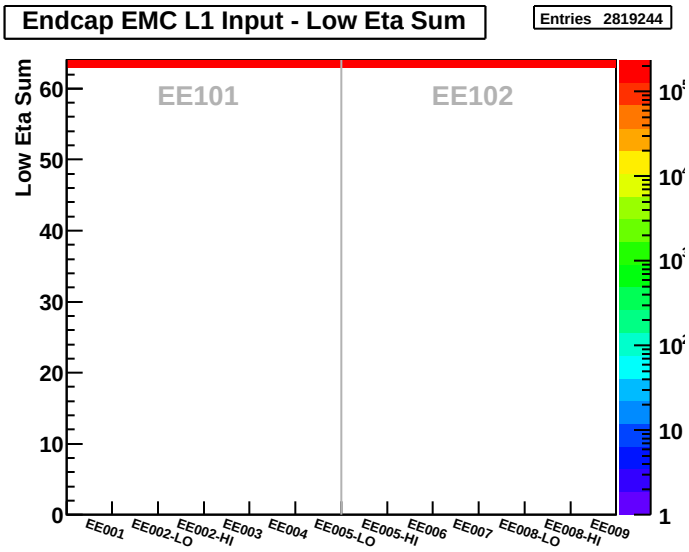

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

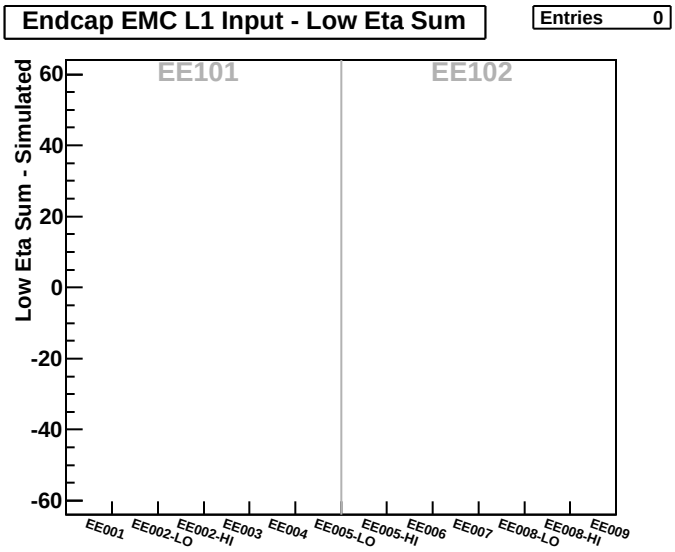

Barrel EMC L1 Input - High Eta Sum
Entries 8457732
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

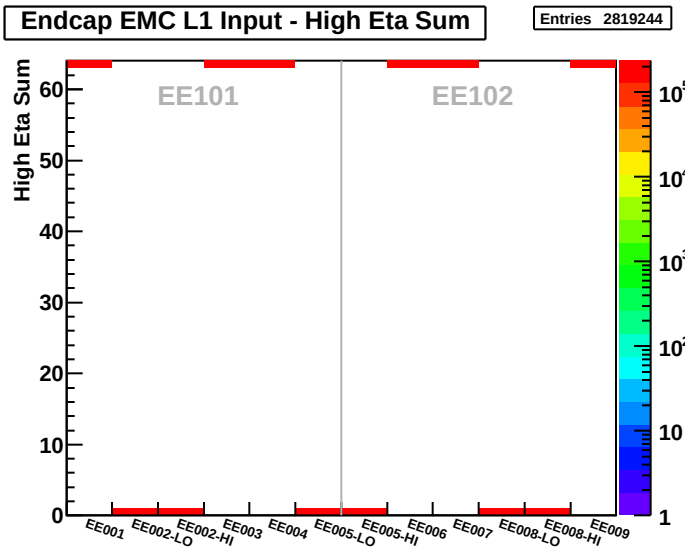

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

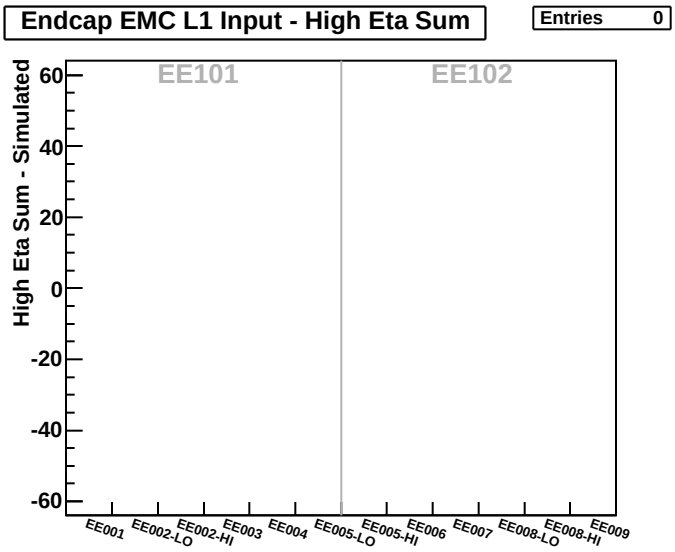

Barrel EMC L1 Input - High Tower Bits
Entries 8457732
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

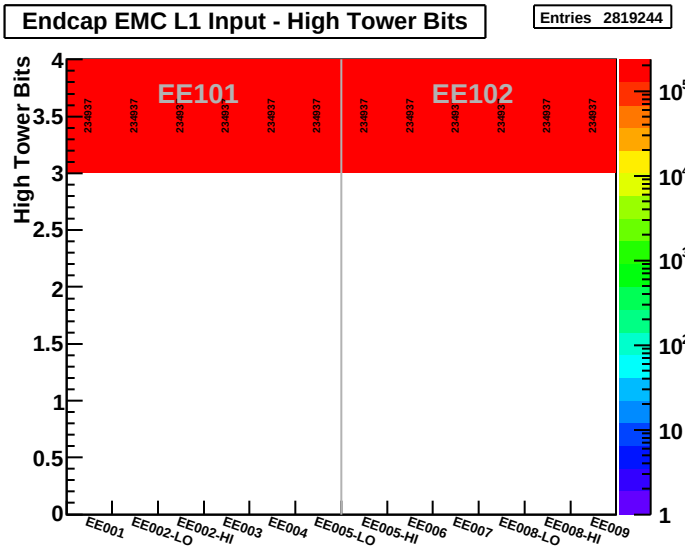

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

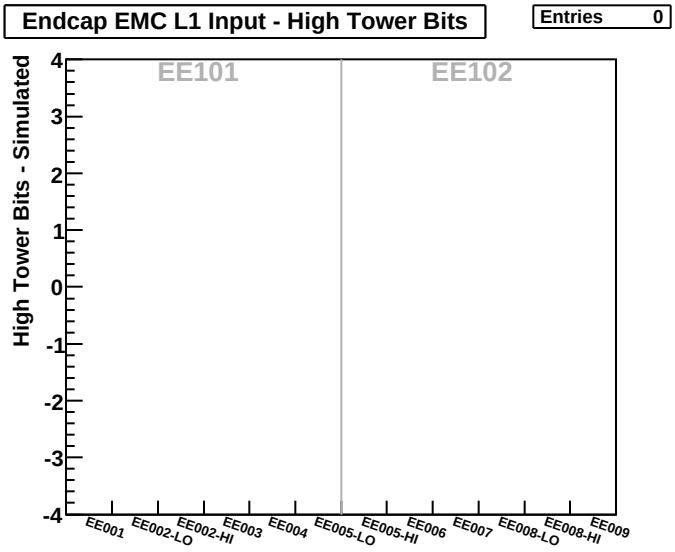

Endcap EMC L1 Input - Low Eta Sum
Entries 2819244
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

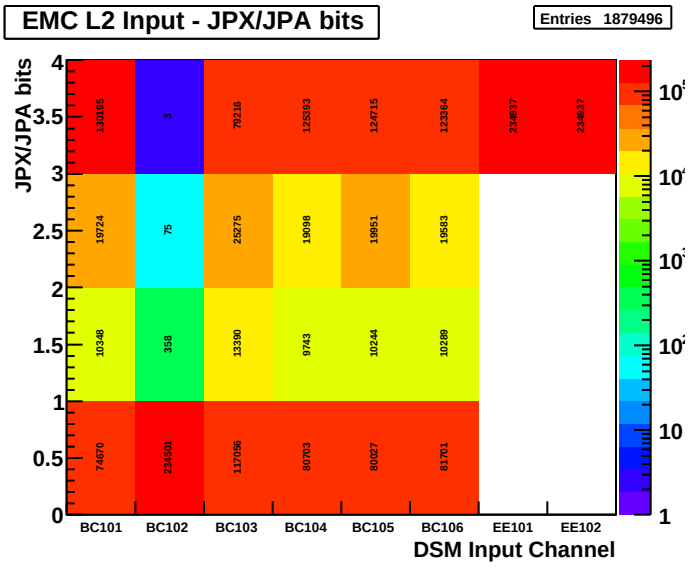

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

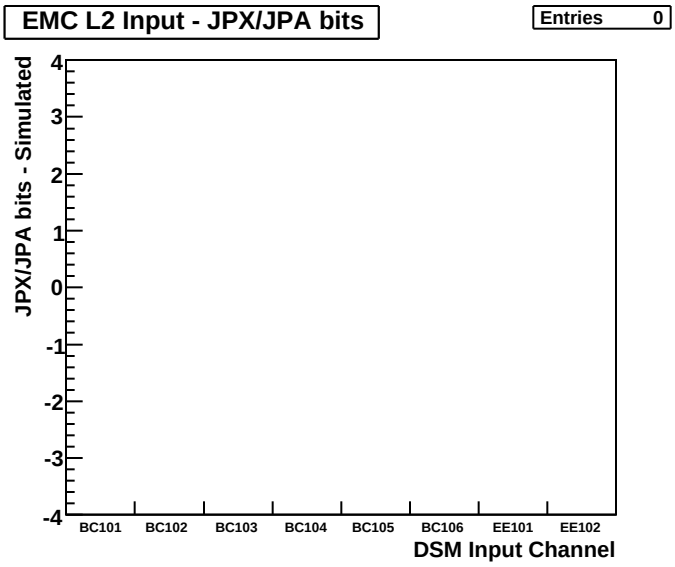

Endcap EMC L1 Input - High Eta Sum
Entries 2819244
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

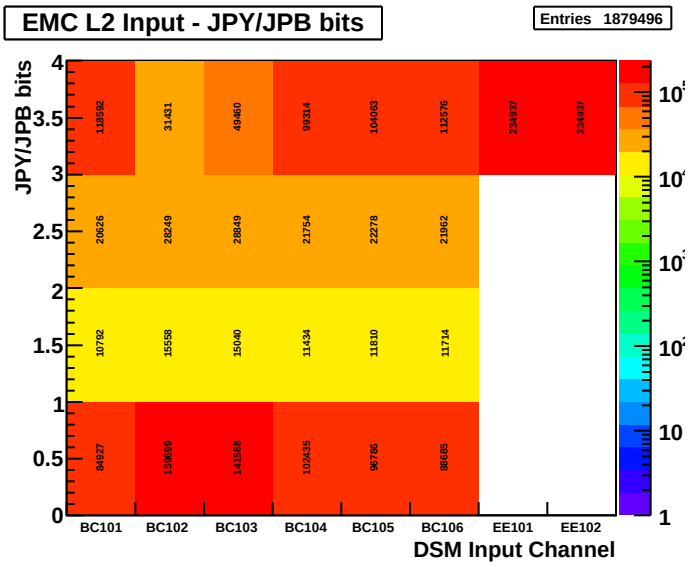

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

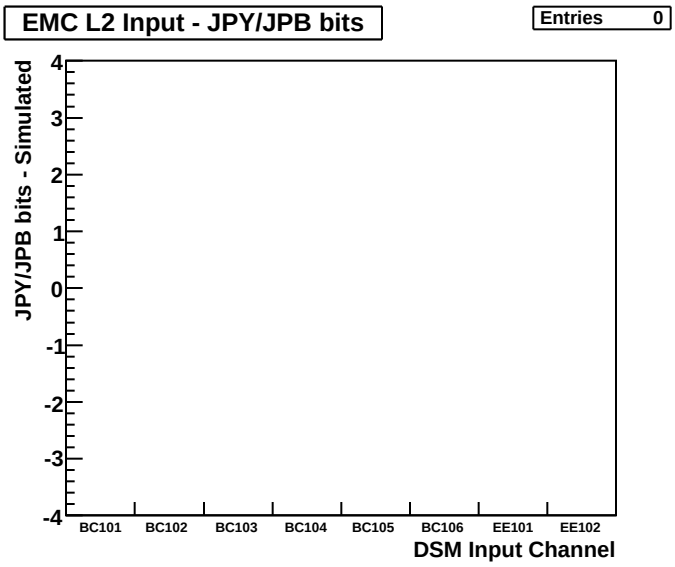

Endcap EMC L1 Input - High Tower Bits
Entries 2819244
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

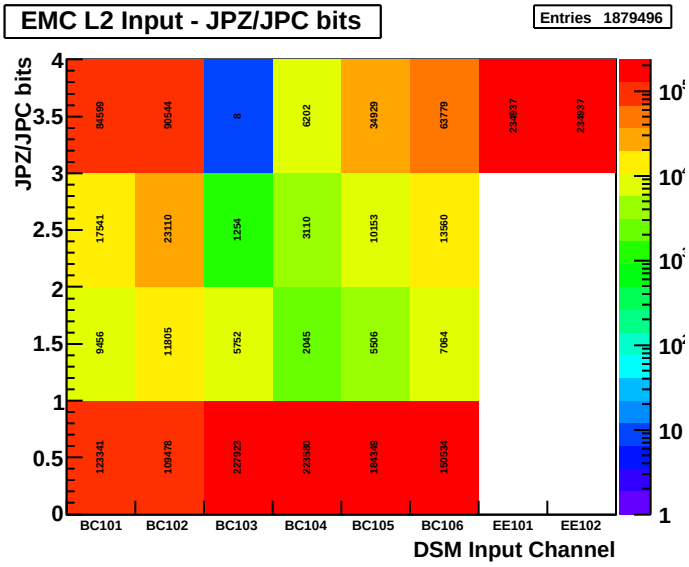

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

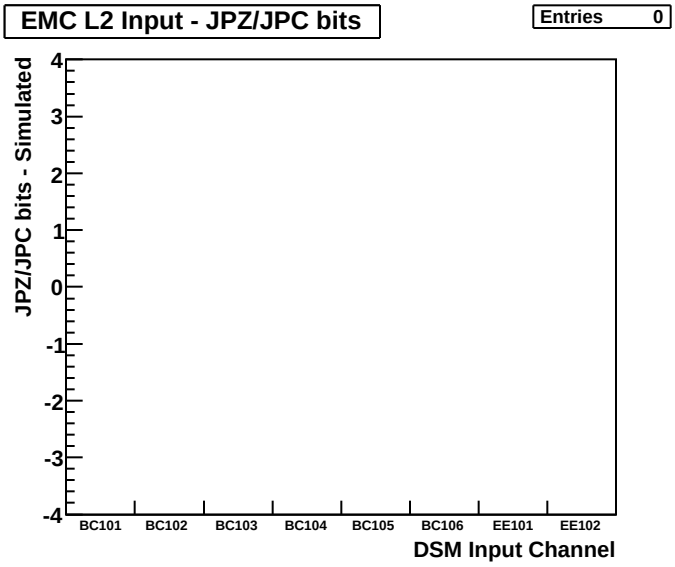

EMC L2 Input - JPX/JPA bits
Entries 1879496
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
130195 3 79216 125393 124715 122364 234937 234937
19724 75 25275 19098 19951 19583
10348 358 13390 9743 10244 10289
74670 234501 117056 80703 80027 81701

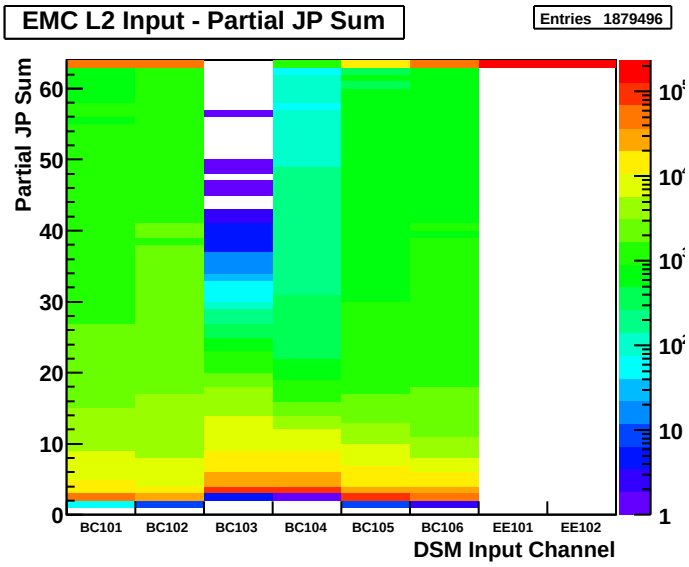

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

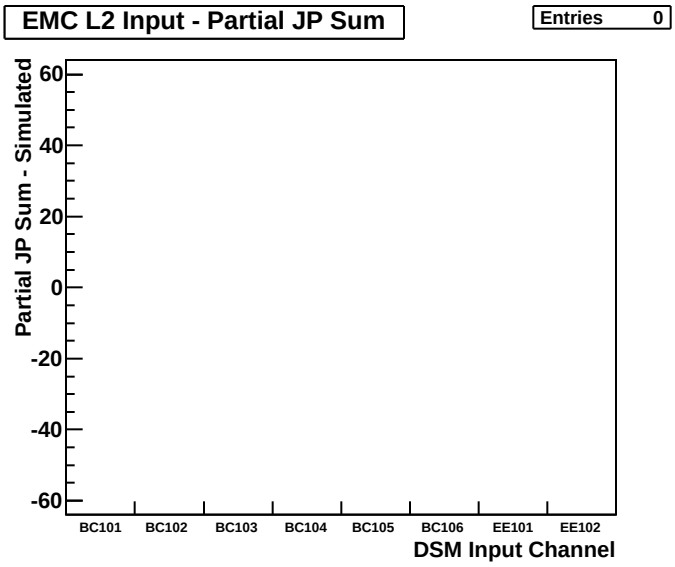

EMC L2 Input - JPY/JPB bits
Entries 1879496
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
118592 31431 49460 99314 104063 112576 234937 234937
20626 28249 28849 21754 22278 21962
10792 15558 15040 11434 11810 11714
84927 159699 141588 102435 96786 88685

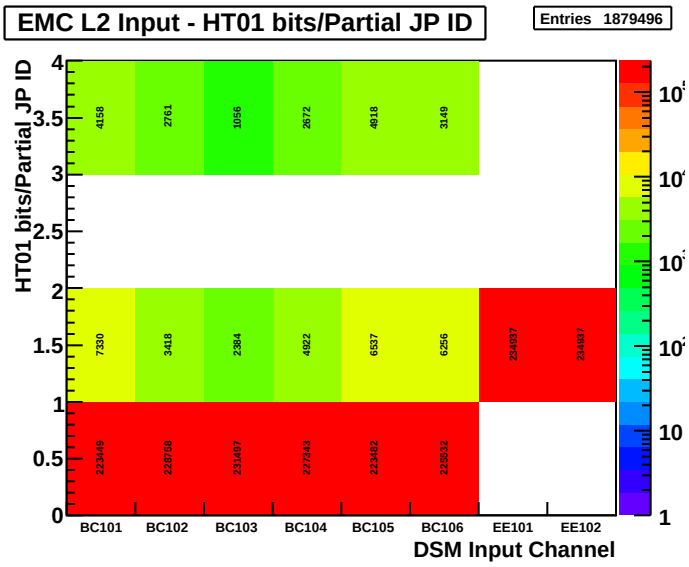

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

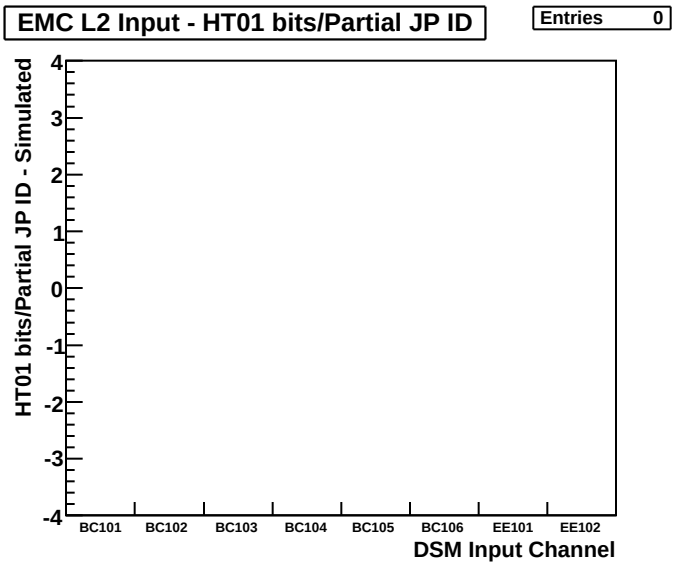

EMC L2 Input - JPZ/JPC bits
Entries 1879496
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
84599 90544 8 6202 34929 63779 234937 234937
17541 23110 1254 3110 10153 13560
9456 11805 5752 2045 5506 7064
123341 109478 227923 223580 184349 150534

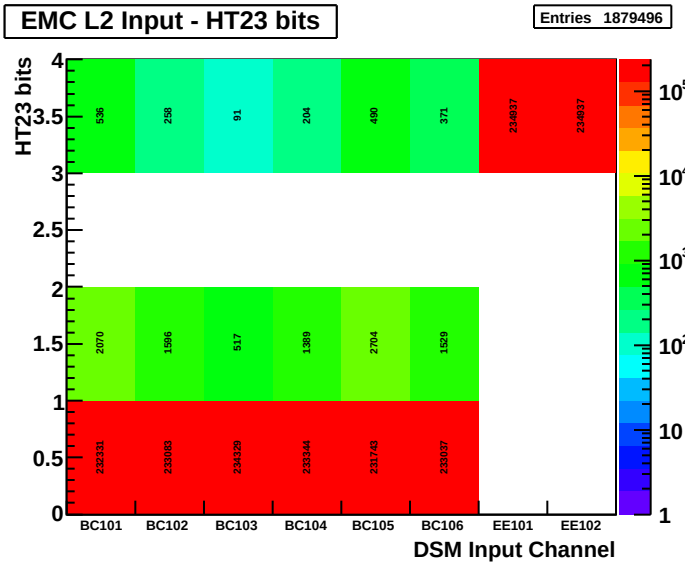

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

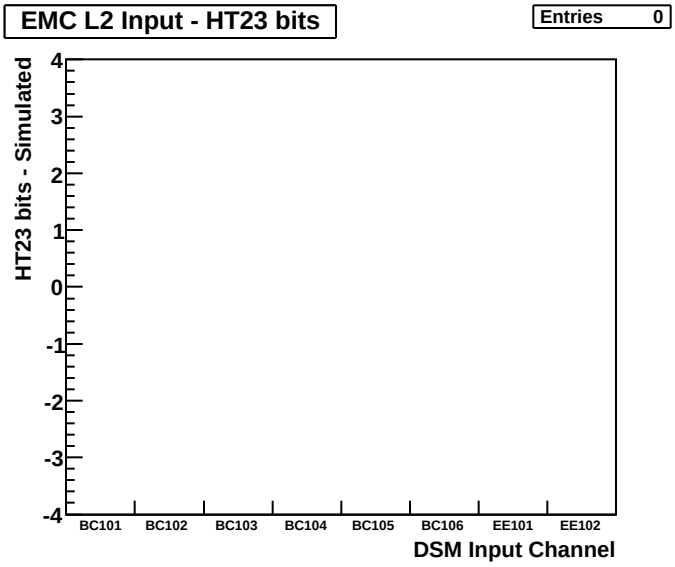

EMC L2 Input - Partial JP Sum
Entries 1879496
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

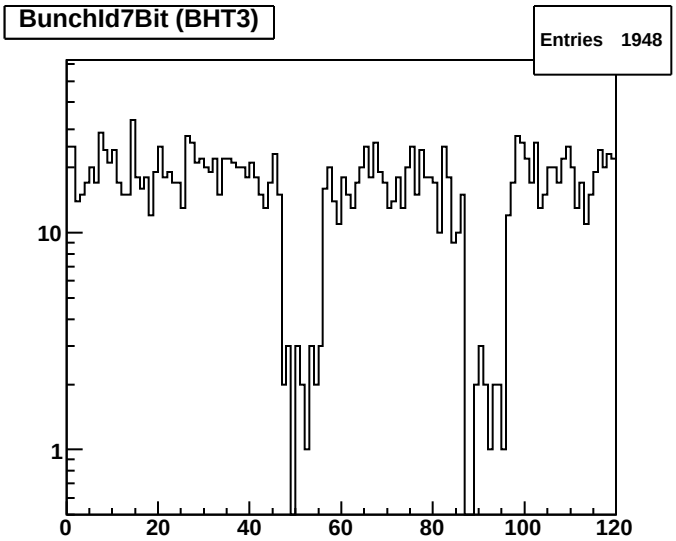

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

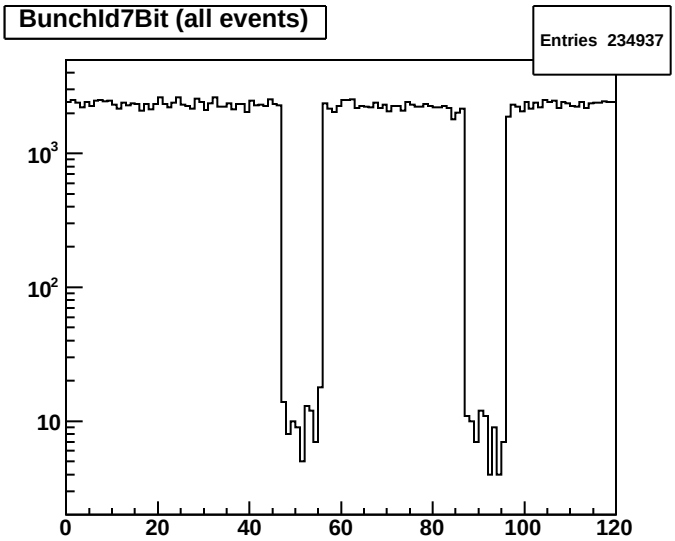

EMC L2 Input - HT01 bits/Partial JP ID
Entries 1879496
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

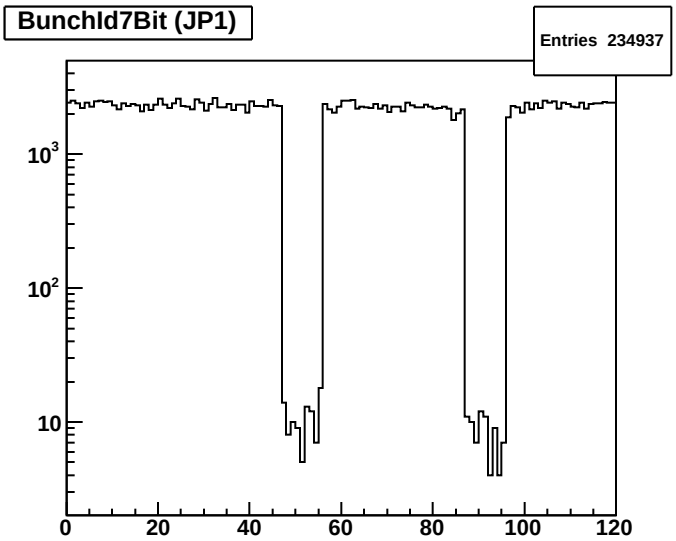

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

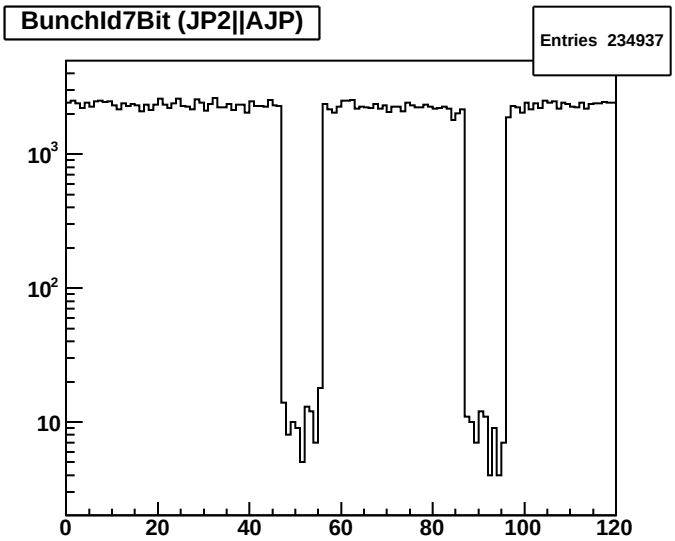

EMC L2 Input - HT23 bits
Entries 1879496
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

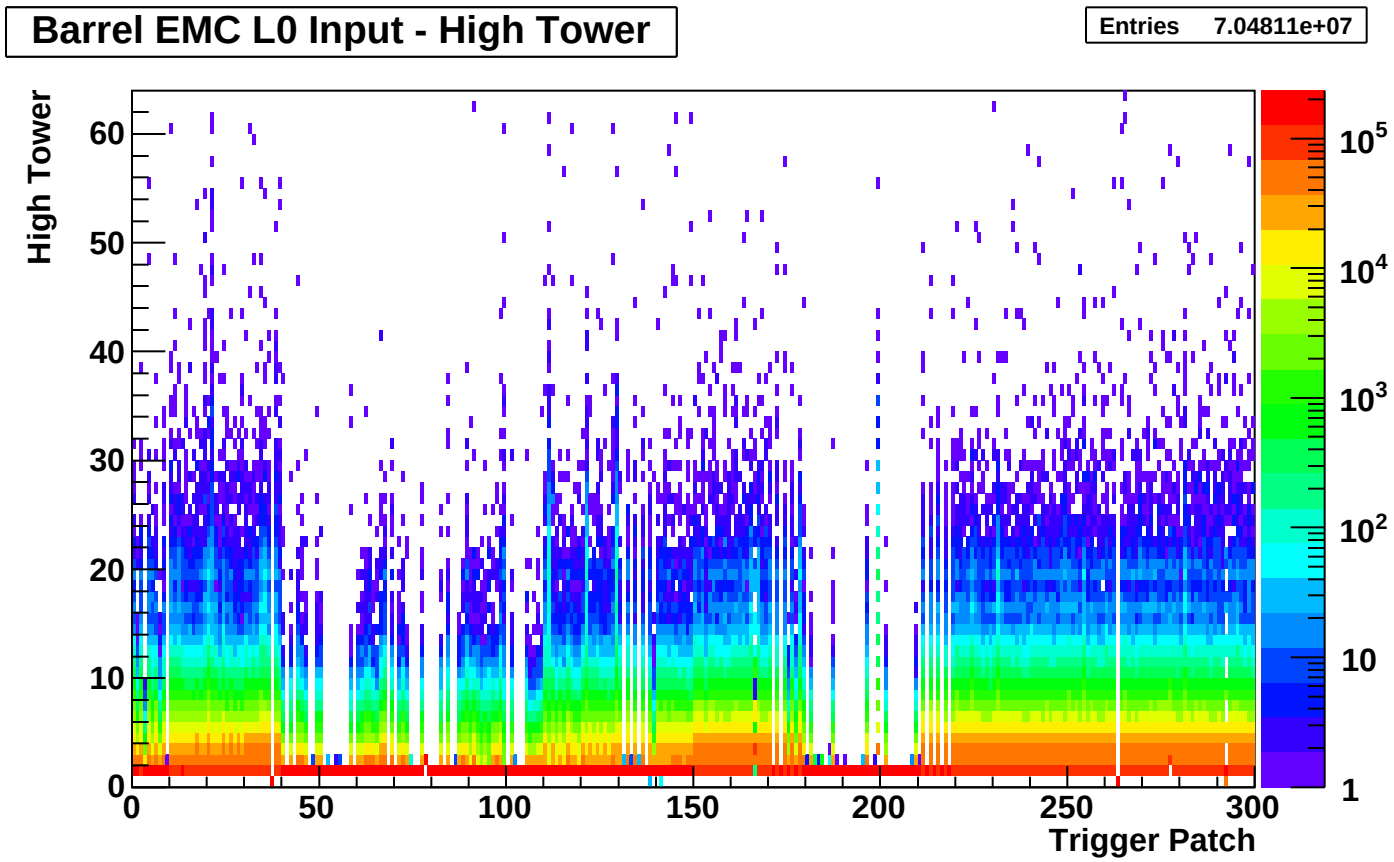

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

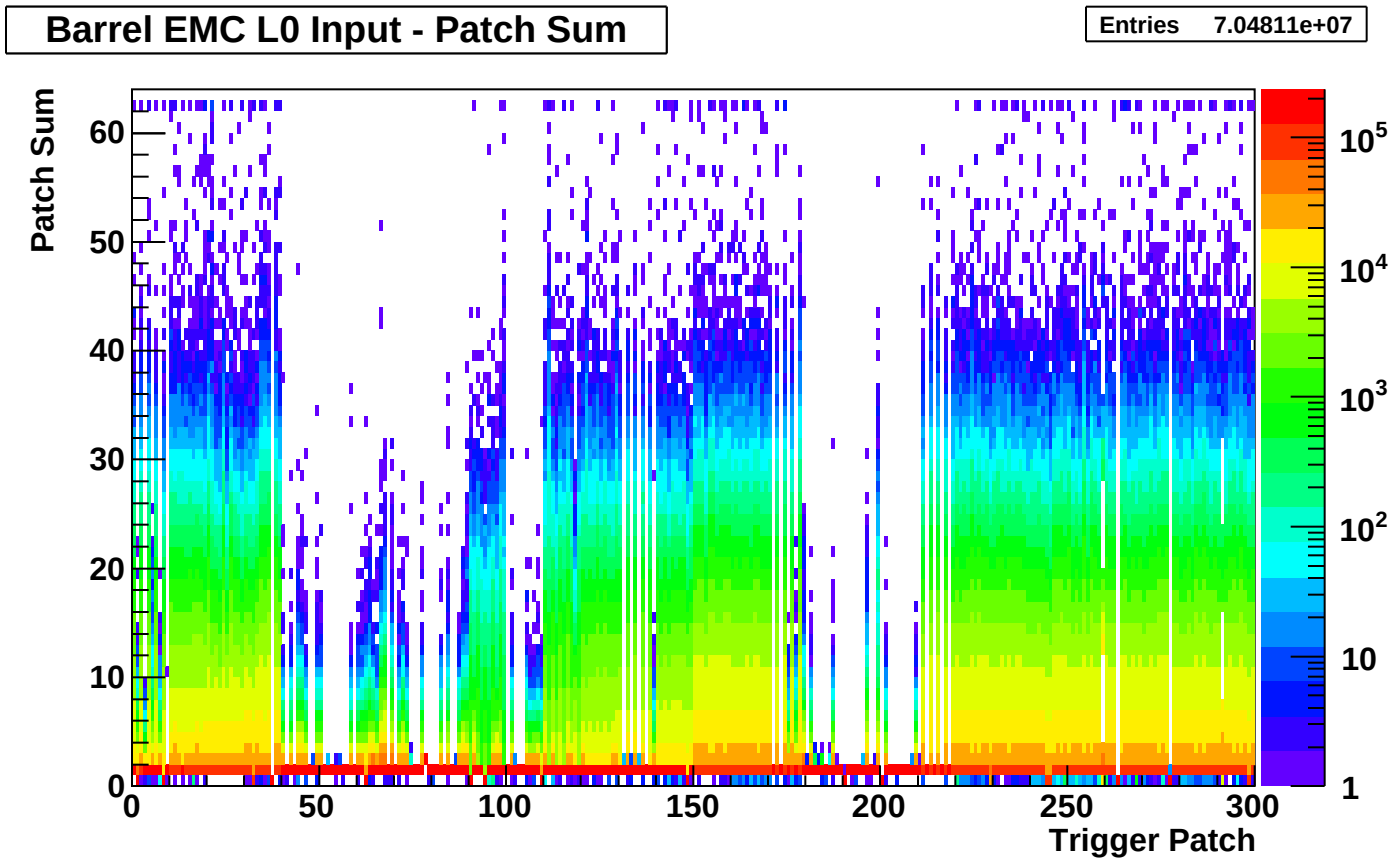

BunchId7Bit (BHT3)
Entries 1948
10
1
0
20
40
60
80
100
120

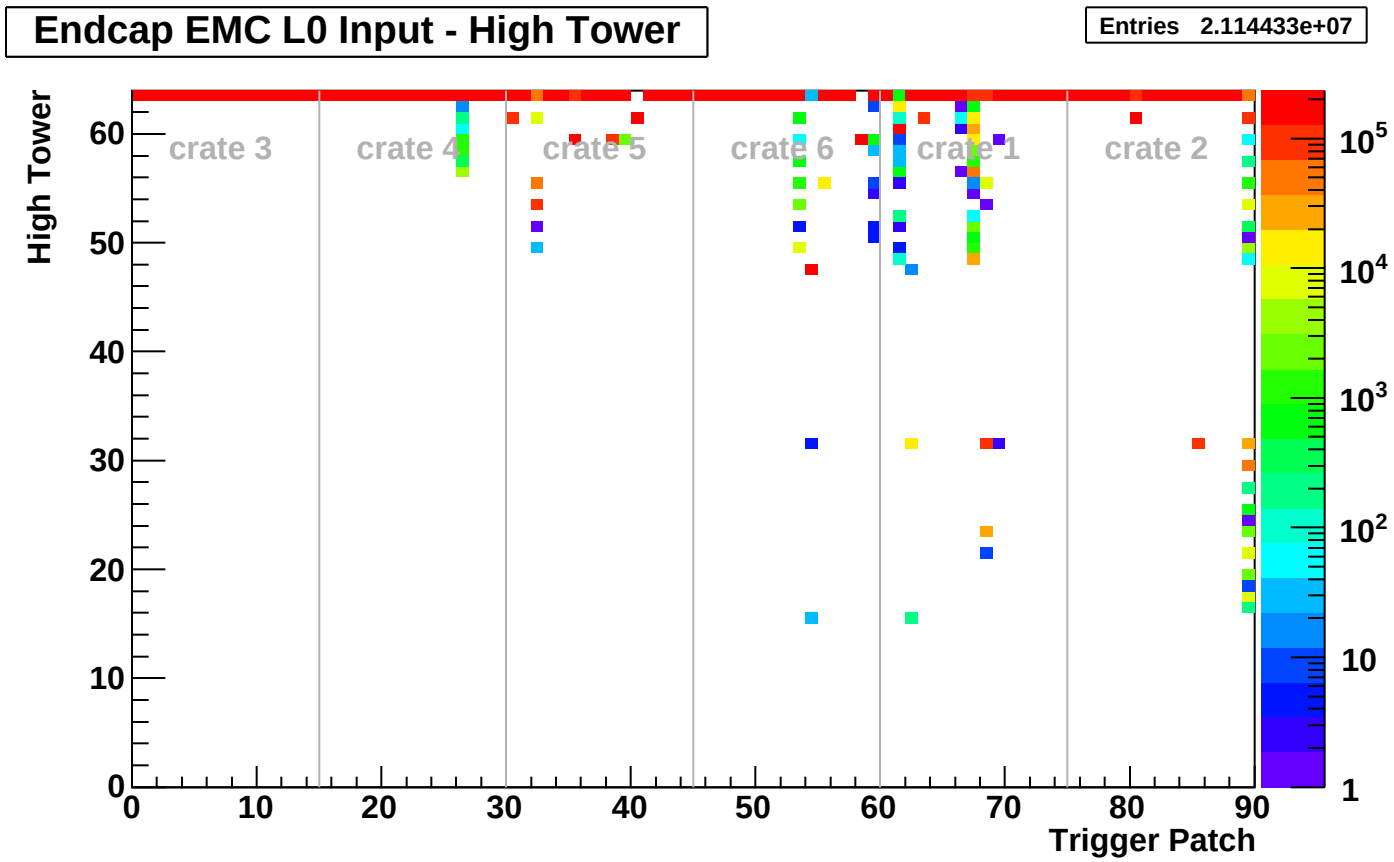

BunchId7Bit (all events)
Entries 234937
10^3
10^2
10
0
20
40
60
80
100
120

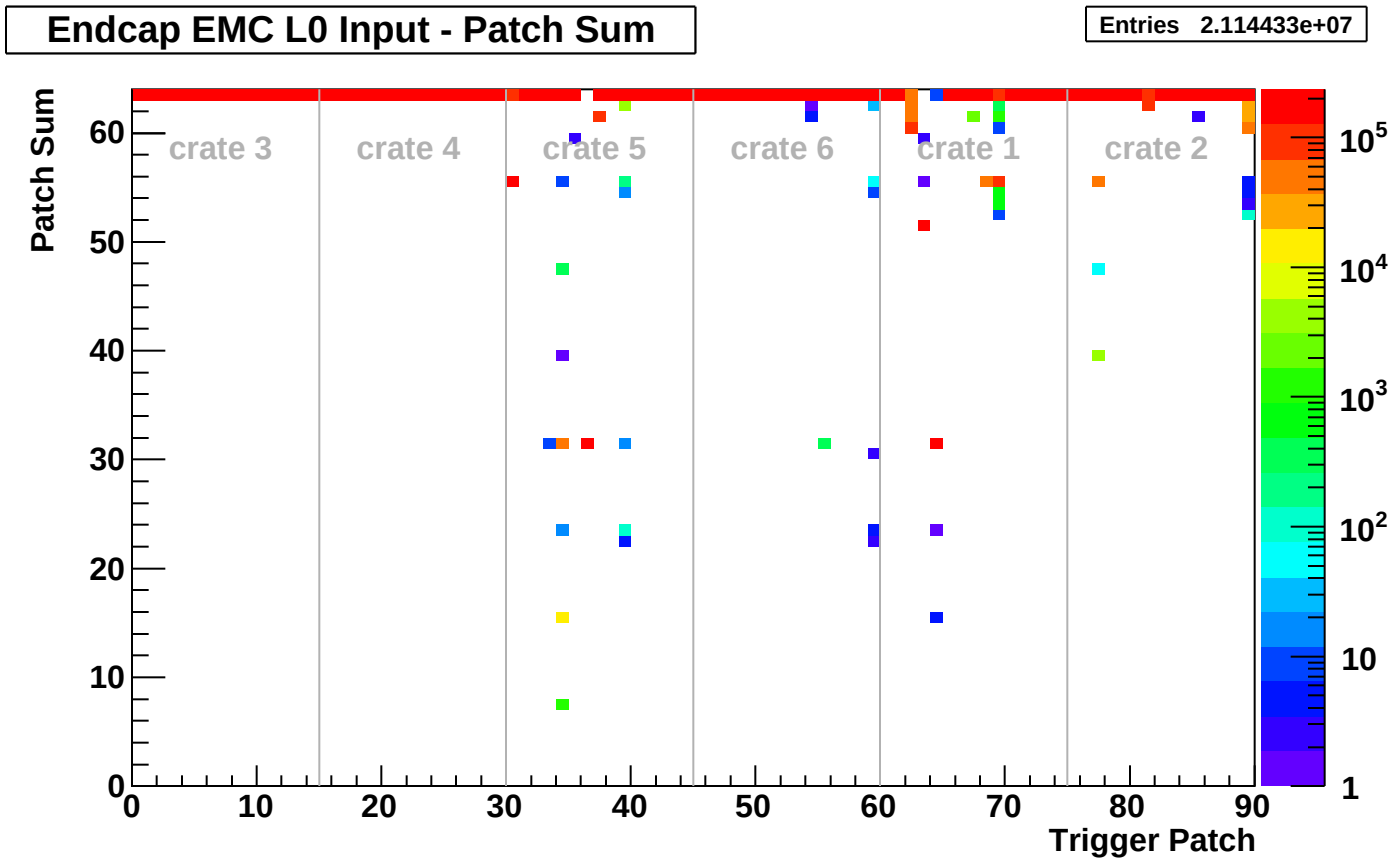

BunchId7Bit (JP1)
Entries 234937
10^3
10^2
10
0
20
40
60
80
100
120

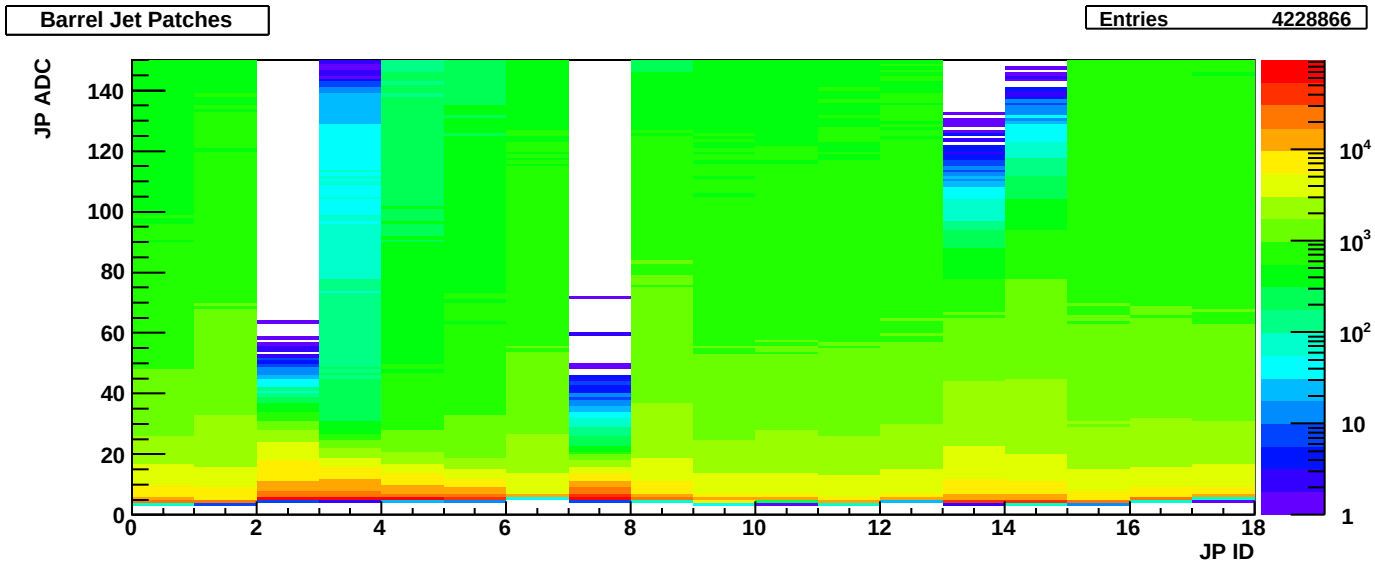

BunchId7Bit (JP2||AJP)
Entries 234937
10^3
10^2
10
0
20
40
60
80
100
120

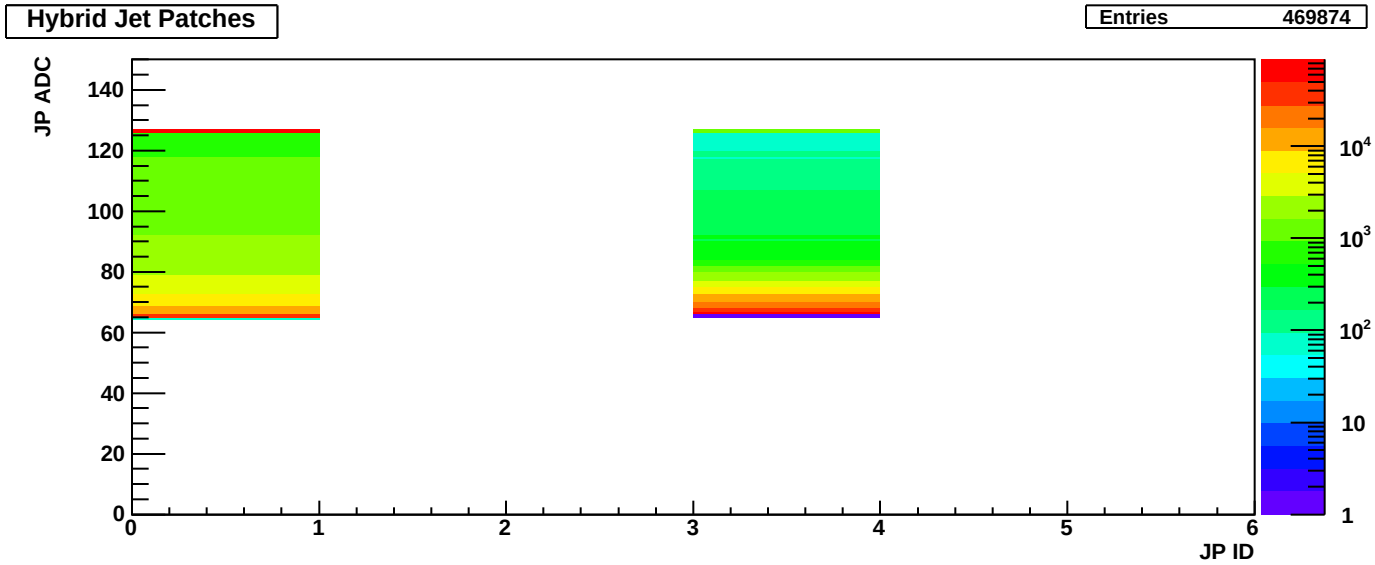

Barrel EMC L0 Input - High Tower
Entries 7.04811e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

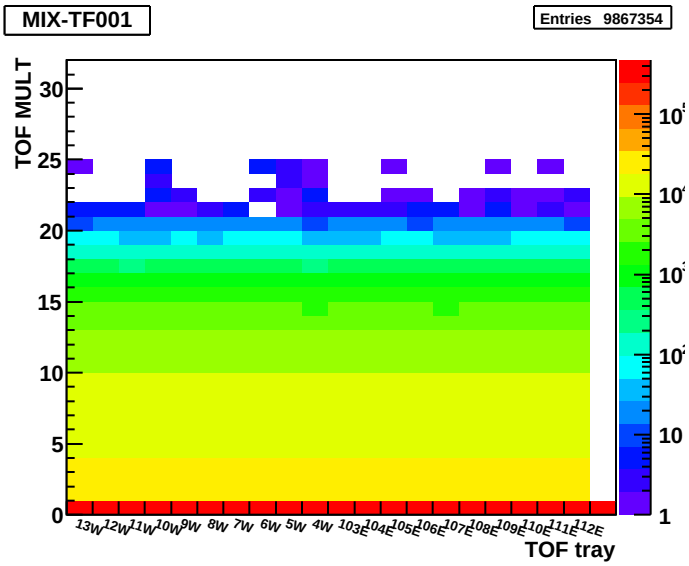

Barrel EMC L0 Input - Patch Sum
Entries 7.04811e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

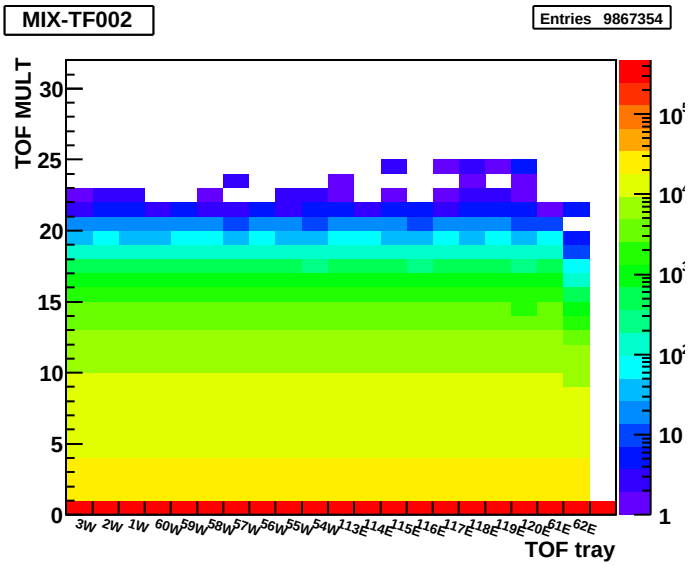

Endcap EMC L0 Input - High Tower
Entries 2.114433e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

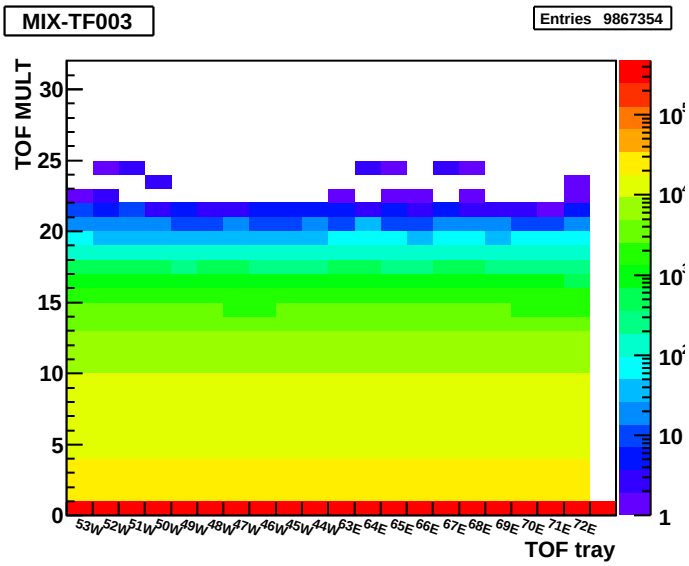

Endcap EMC L0 Input - Patch Sum
Entries 2.114433e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

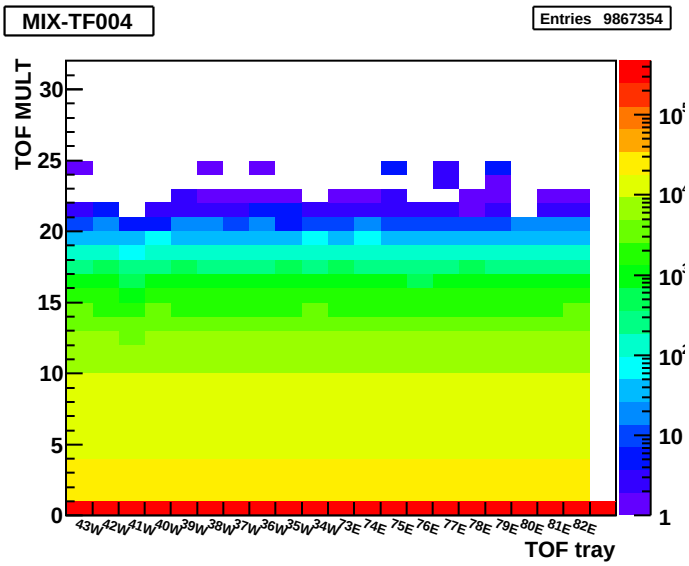

Barrel Jet Patches
Entries 4228866
JP ADC
JP ID

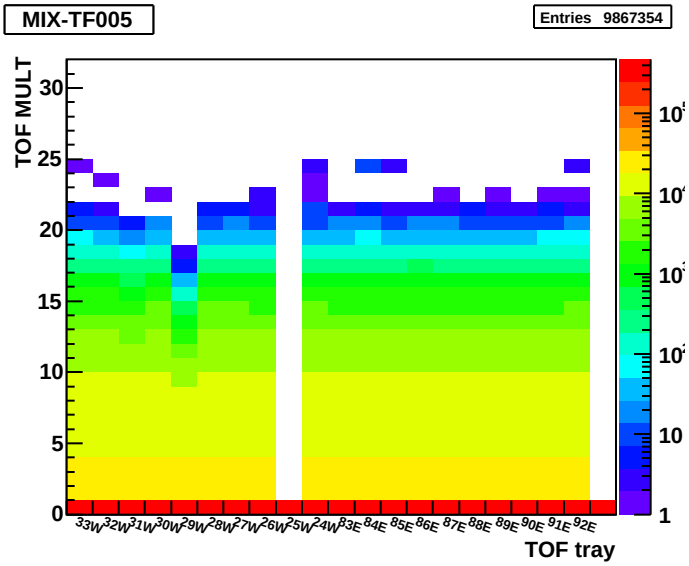

Hybrid Jet Patches
Entries 469874
JP ADC
JP ID

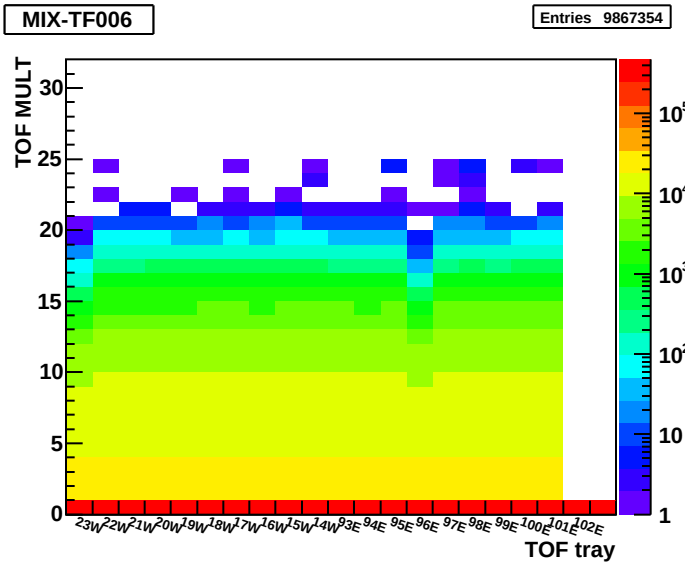

MIX-TF001
Entries 9867354
TOF MULT
TOF tray

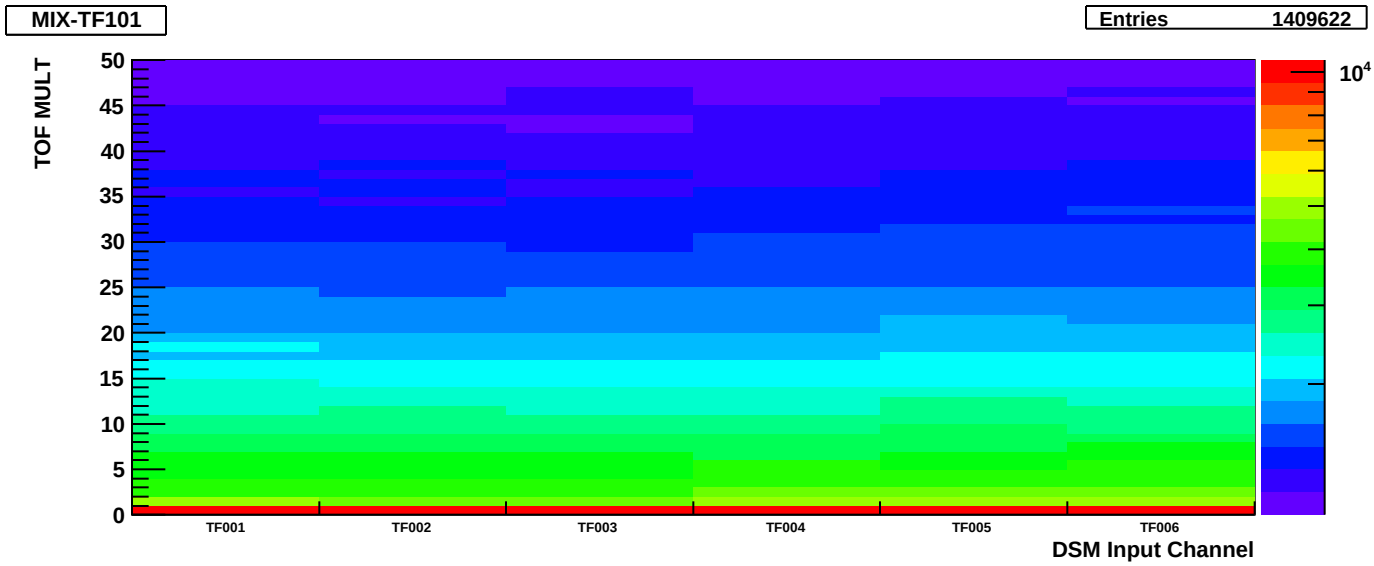

MIX-TF002
Entries 9867354
TOF MULT
TOF tray

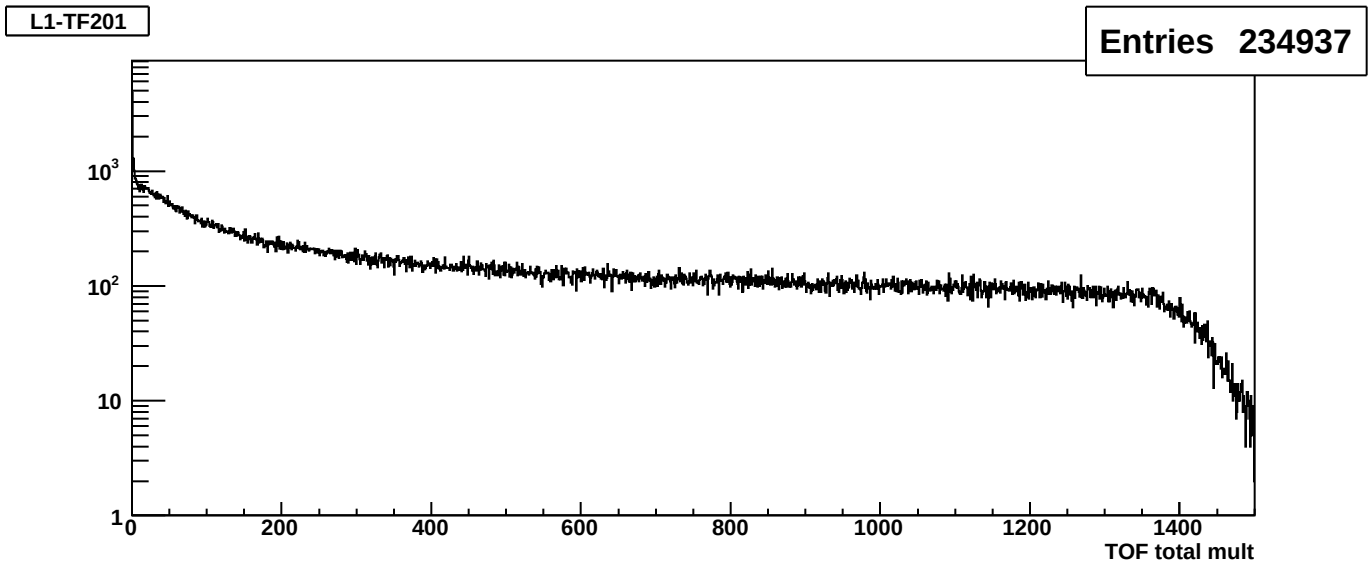

MIX-TF003
Entries 9867354
TOF MULT
TOF tray

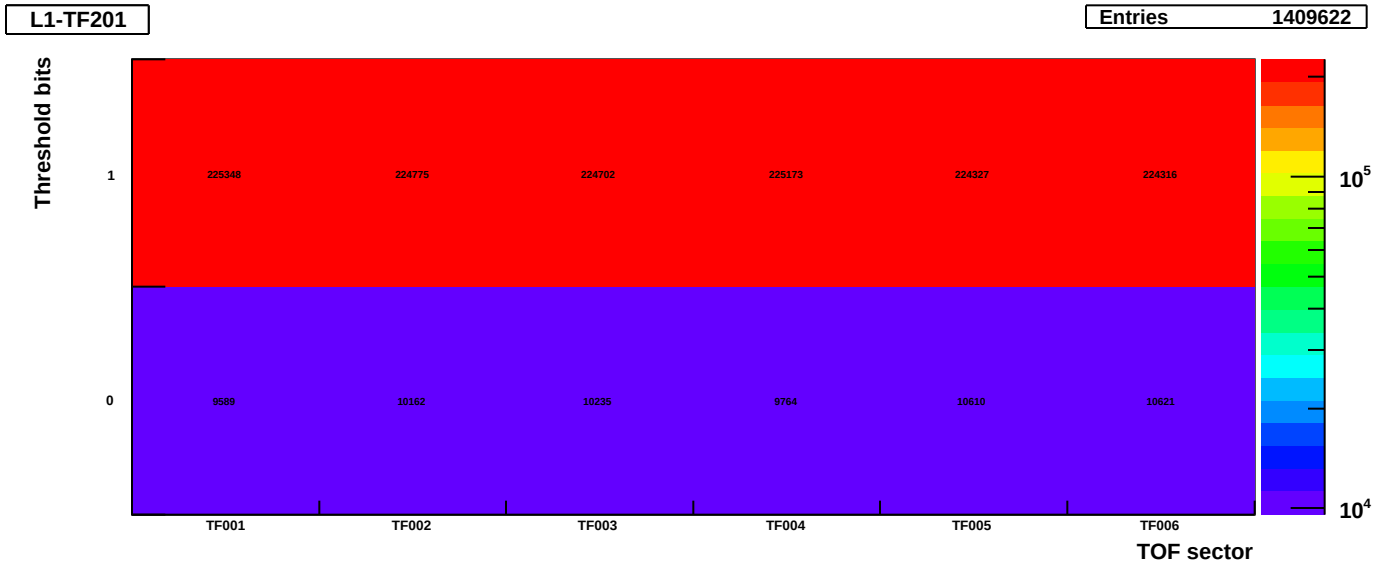

MIX-TF004
Entries 9867354
TOF MULT
TOF tray

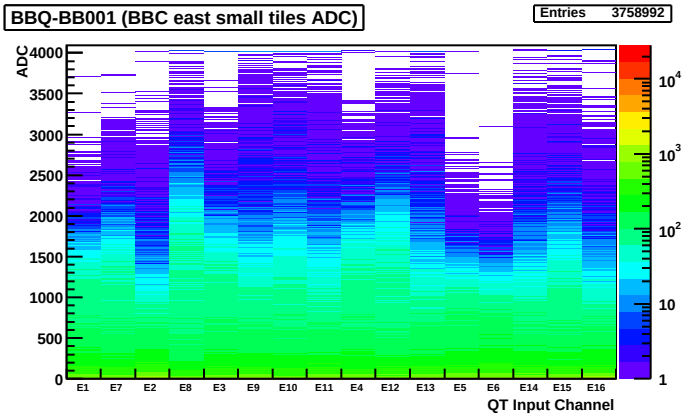

MIX-TF005
Entries 9867354
TOF MULT
TOF tray

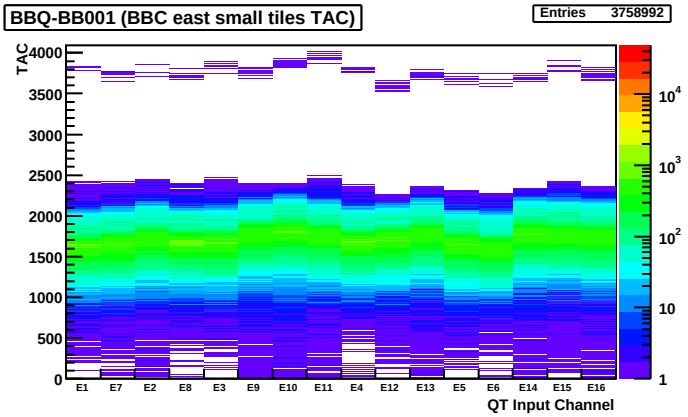

MIX-TF006
Entries 9867354
TOF MULT
TOF tray

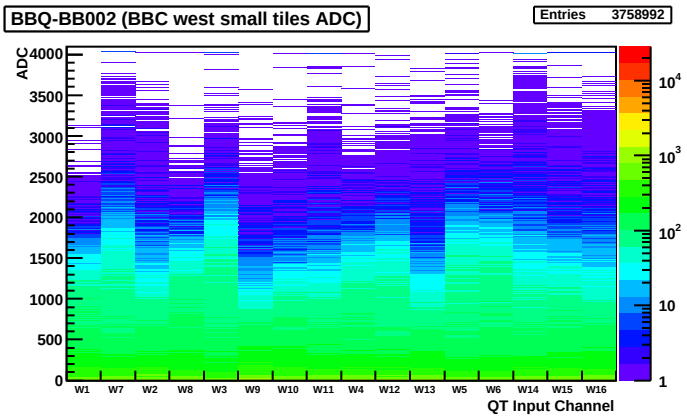

MIX-TF101
Entries 1409622
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

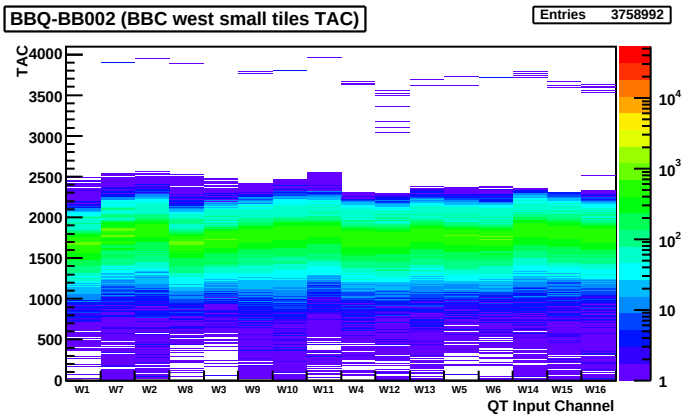

L1-TF201
Entries 234937
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

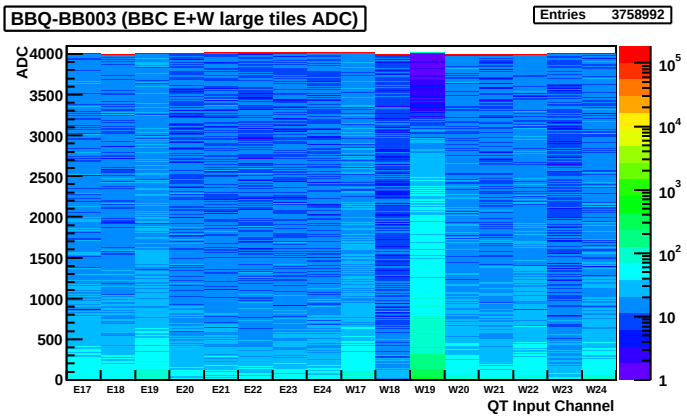

L1-TF201
Entries 1409622
Threshold bits
1
0
225348
224775
224702
225173
224327
224316
9589
10162
10235
9764
10610
10621
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5
10^4

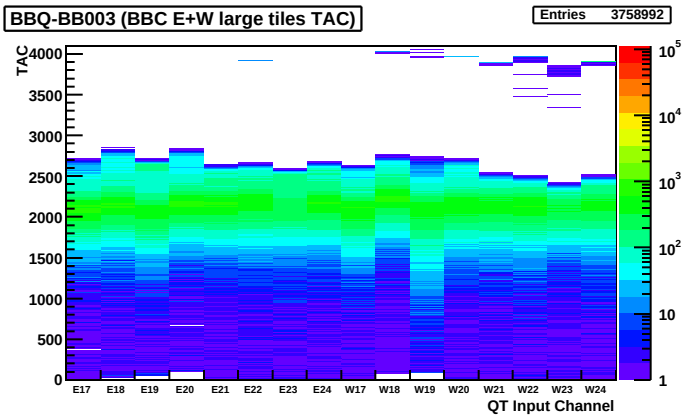

BBQ-BB001 (BBC east small tiles ADC)
Entries 3758992
ADC
QT Input Channel

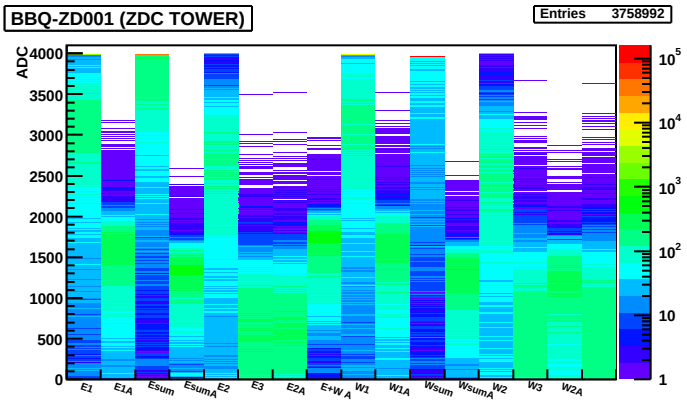

BBQ-BB001 (BBC east small tiles TAC)
Entries 3758992
TAC
QT Input Channel

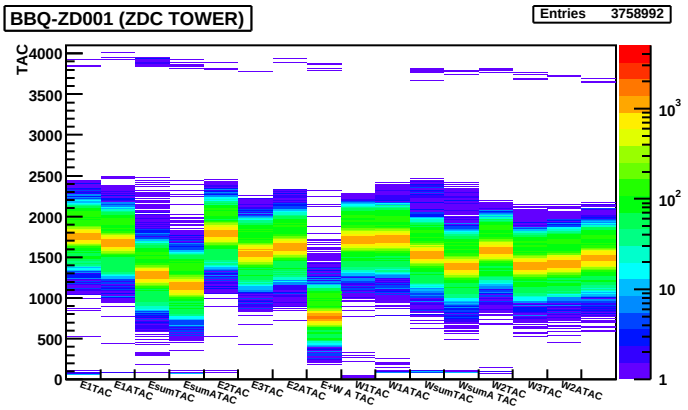

BBQ-BB002 (BBC west small tiles ADC)
Entries 3758992
ADC
QT Input Channel

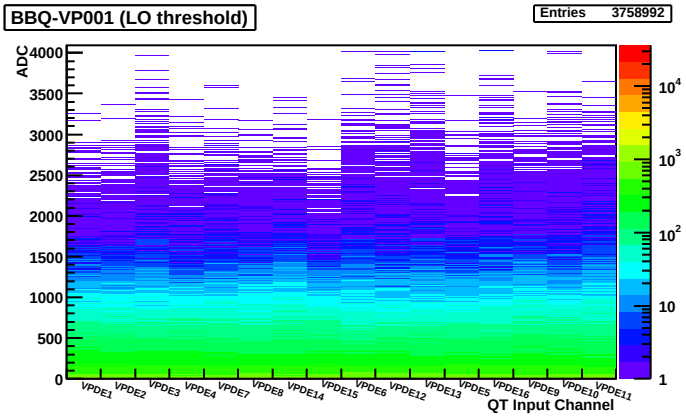

BBQ-BB002 (BBC west small tiles TAC)
Entries 3758992
TAC
QT Input Channel

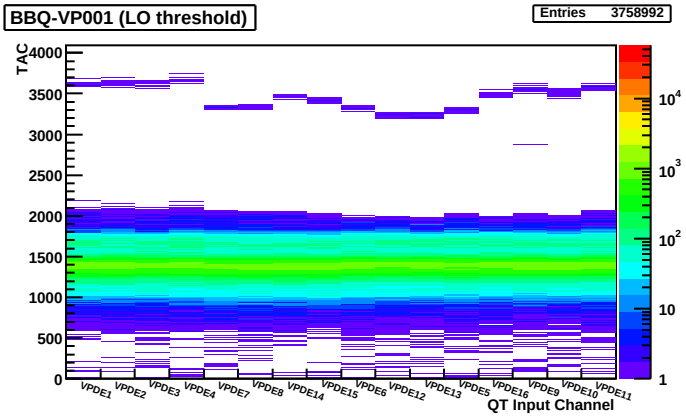

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 3758992
ADC
QT Input Channel

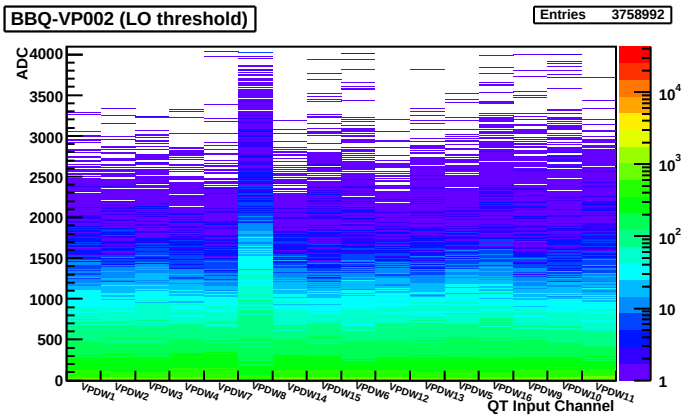

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 3758992
TAC
QT Input Channel

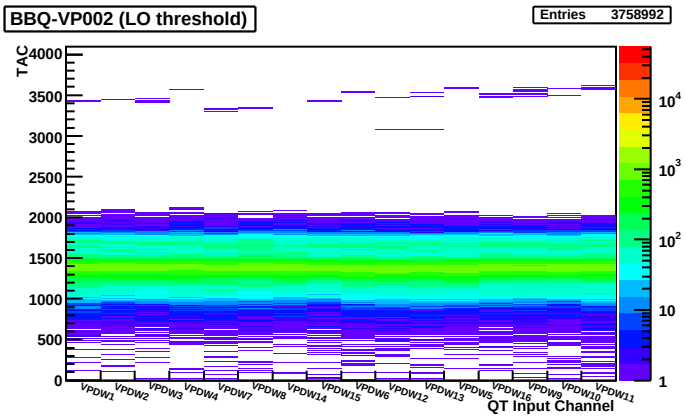

BBQ-ZD001 (ZDC TOWER)
Entries 3758992
ADC

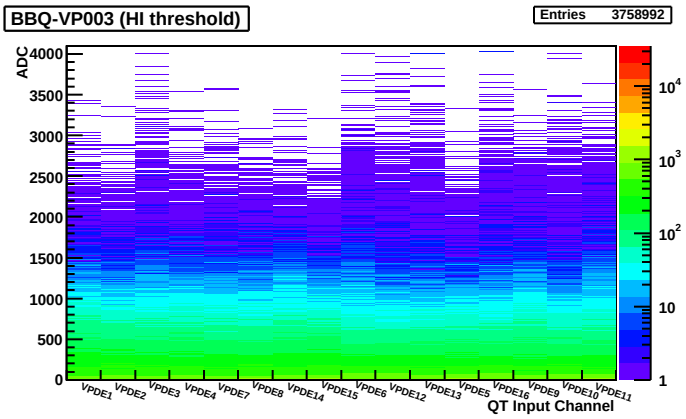

BBQ-ZD001 (ZDC TOWER)
Entries 3758992
TAC

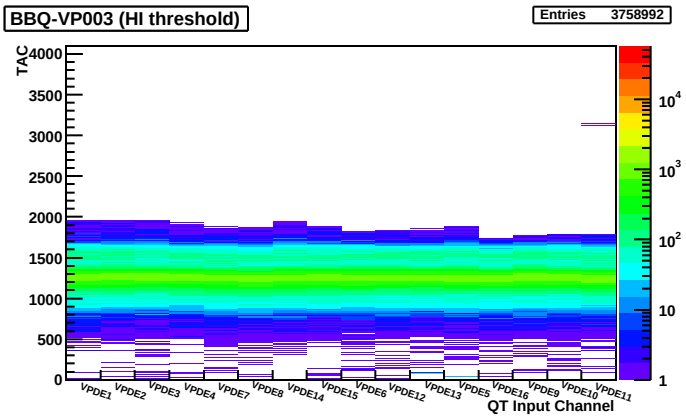

BBQ-VP001 (LO threshold)
Entries 3758992
ADC
QT Input Channel

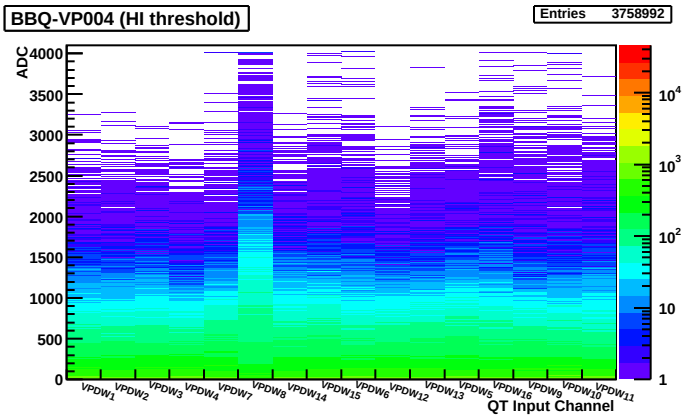

BBQ-VP001 (LO threshold)
Entries 3758992
TAC
QT Input Channel

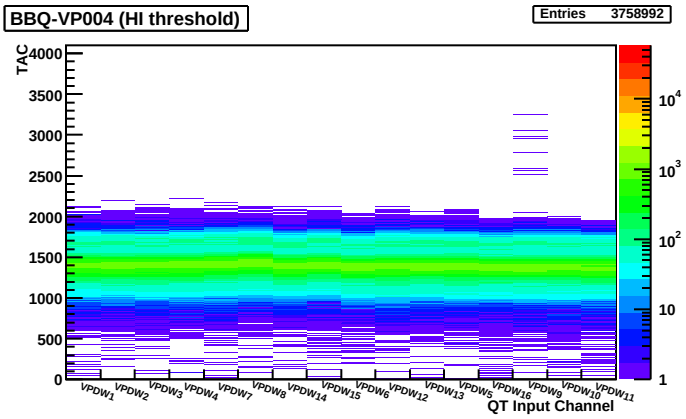

BBQ-VP002 (LO threshold)
Entries 3758992
ADC
QT Input Channel

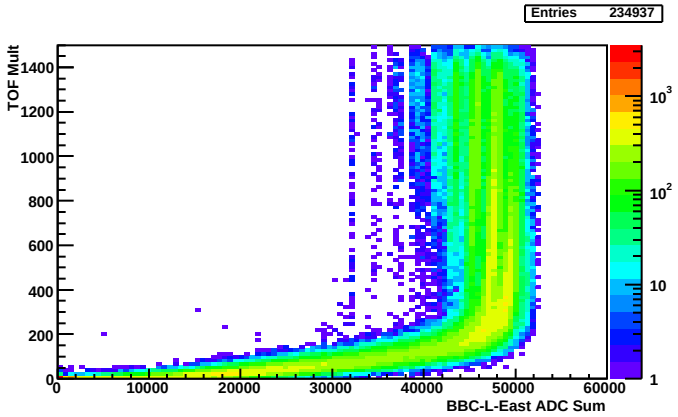

BBQ-VP002 (LO threshold)
Entries 3758992
TAC
QT Input Channel

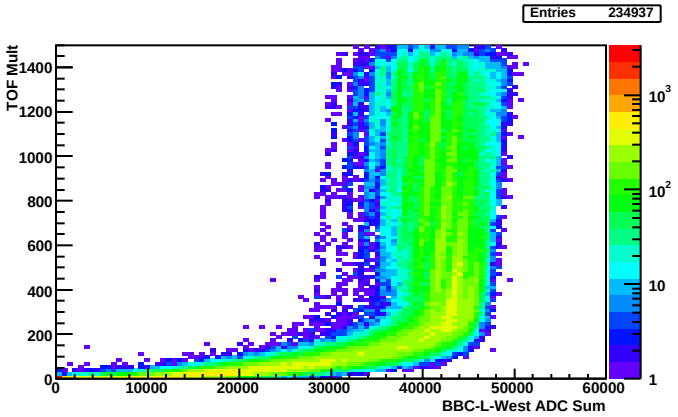

BBQ-VP003 (HI threshold)
Entries 3758992
ADC
QT Input Channel

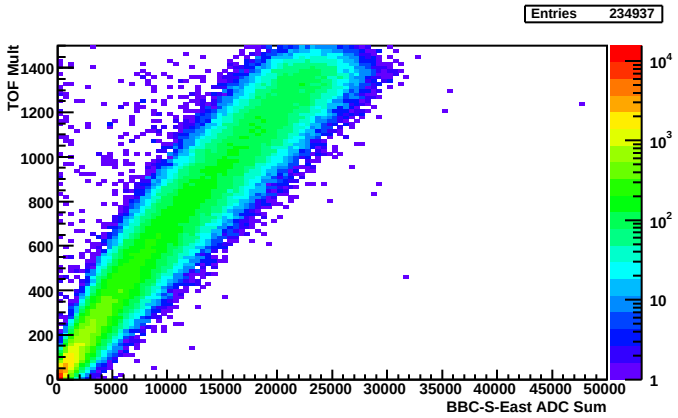

BBQ-VP003 (HI threshold)
Entries 3758992
TAC
QT Input Channel

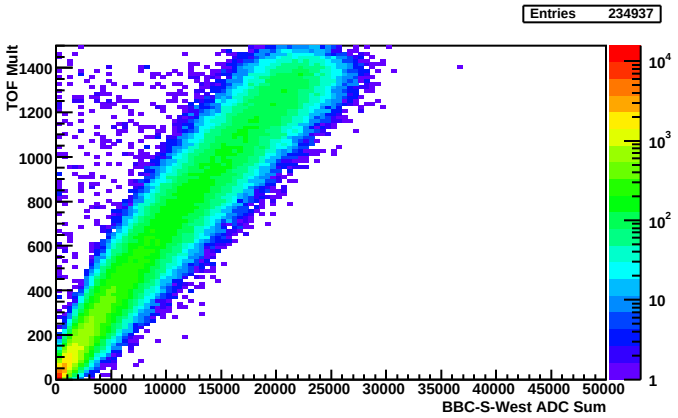

BBQ-VP004 (HI threshold)
Entries 3758992
ADC
QT Input Channel

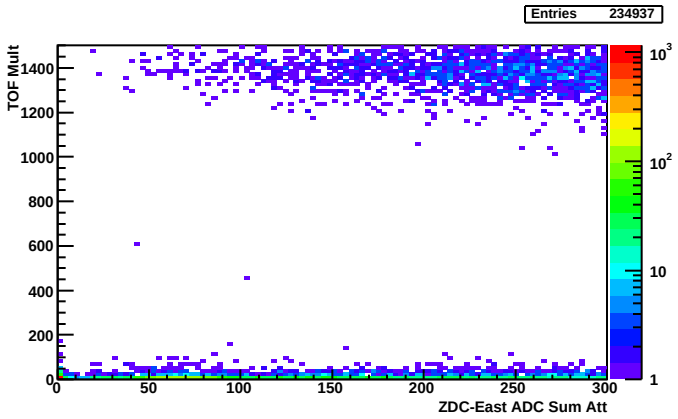

BBQ-VP004 (HI threshold)
Entries 3758992
TAC
QT Input Channel

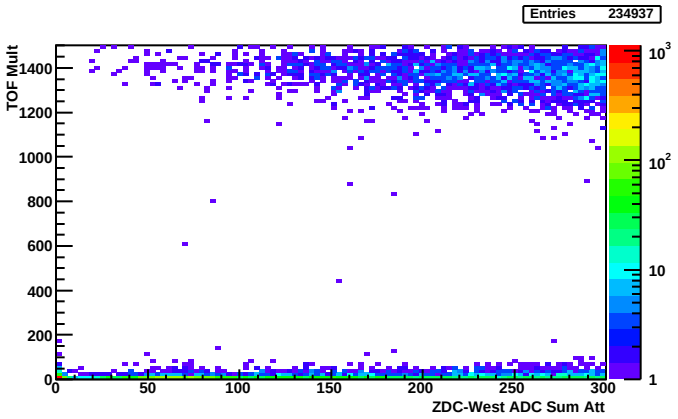

Entries 234937
TOF Mult
BBC-L-East ADC Sum

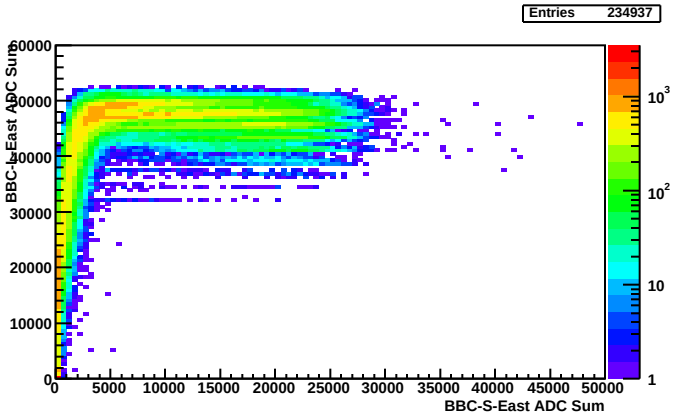

Entries 234937
TOF Mult
BBC-L-West ADC Sum

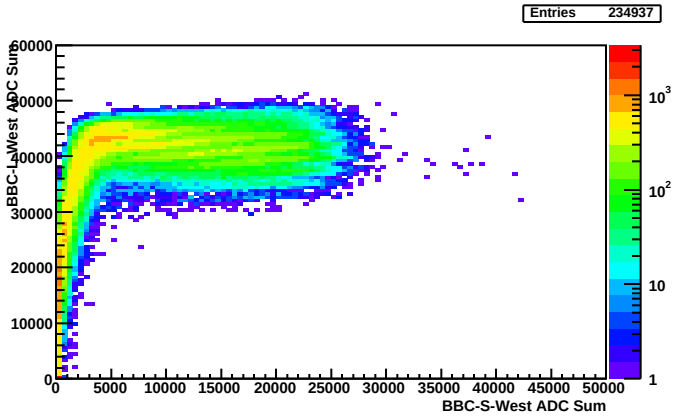

Entries 234937
TOF Mult
BBC-S-East ADC Sum

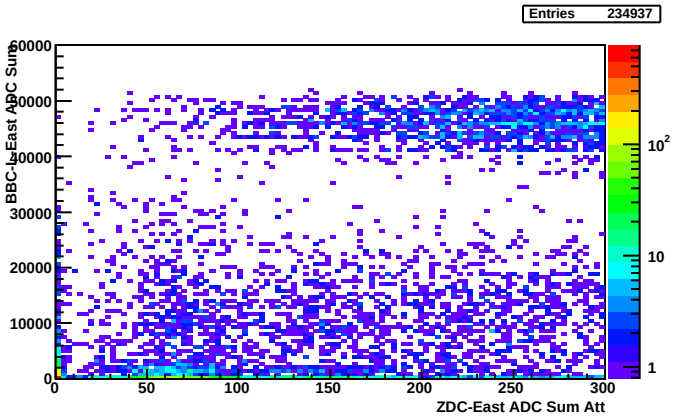

Entries 234937
TOF Mult
BBC-S-West ADC Sum

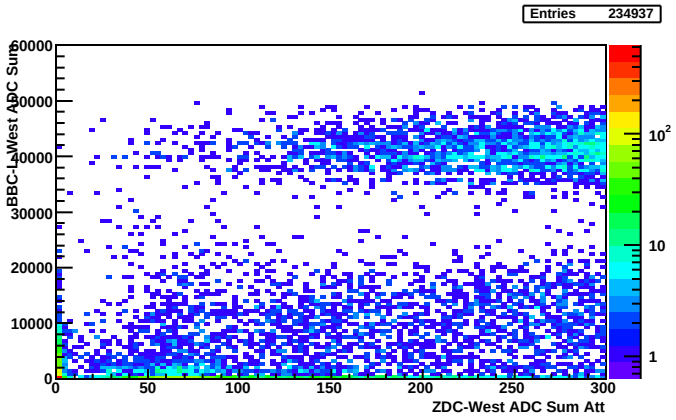

Entries 234937
TOF Mult
ZDC-East ADC Sum Att


Entries 234937
TOF Mult
ZDC-West ADC Sum Att


Entries 234937
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 234937
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 234937
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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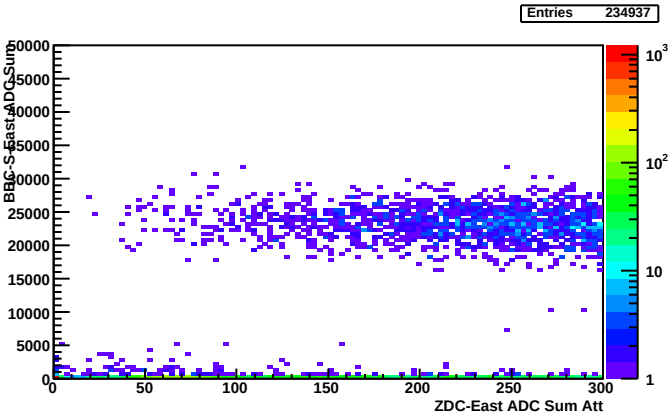
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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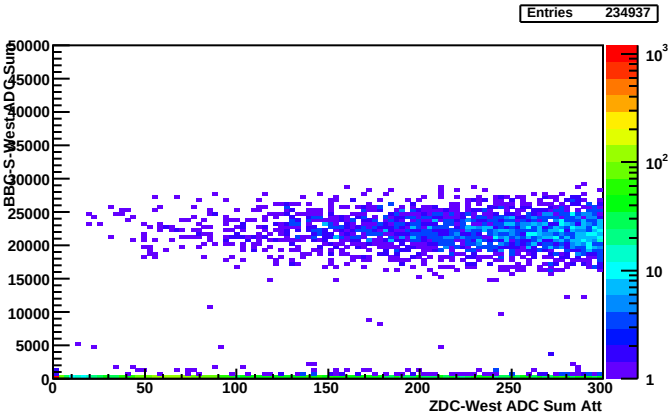
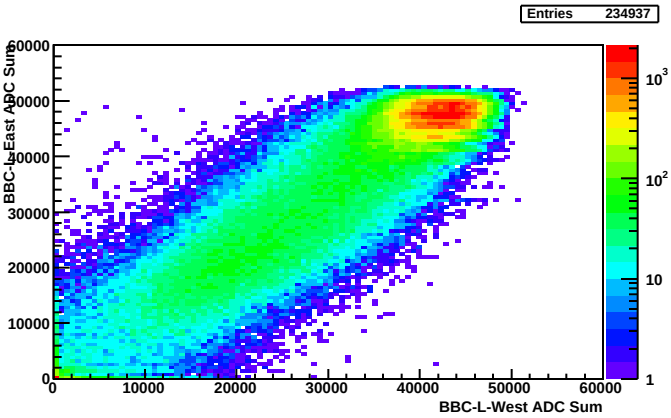
BBC-S-East ADC Sum
ZDC-East ADC Sum Att


Entries 234937
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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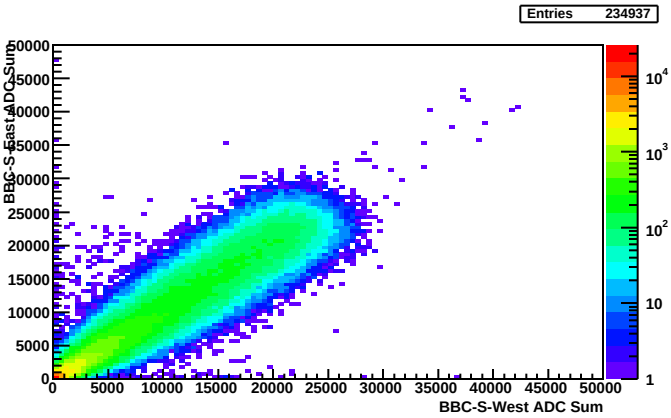
BBC-L-East ADC Sum
BBC-L-West ADC Sum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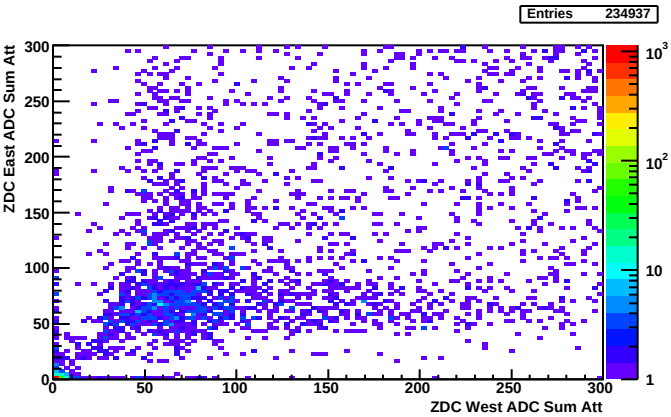
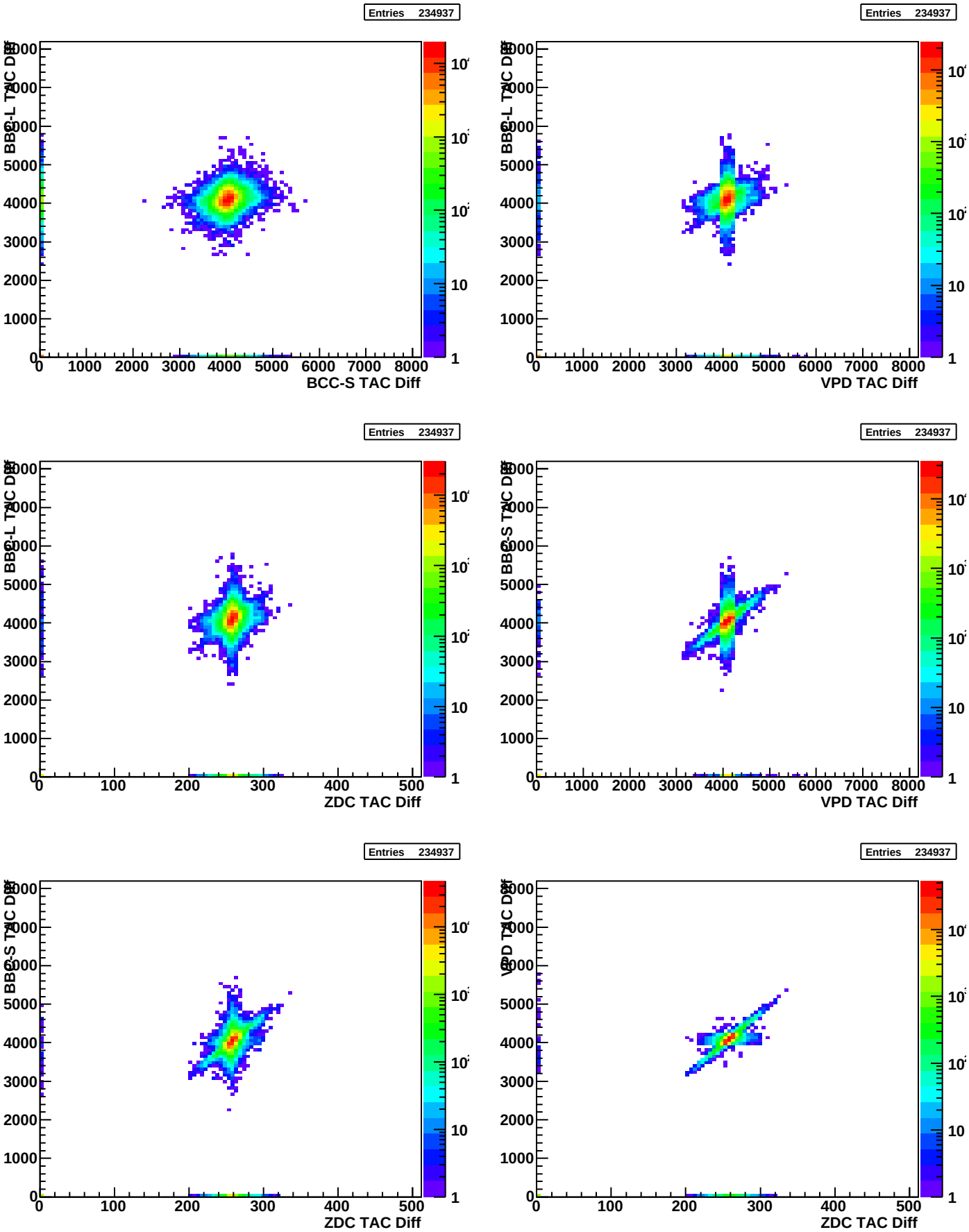
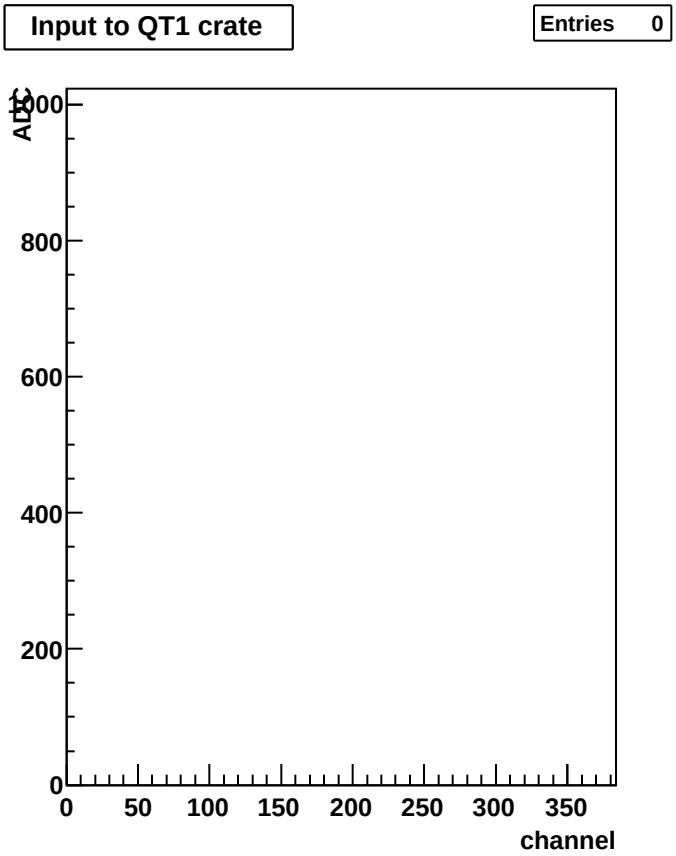
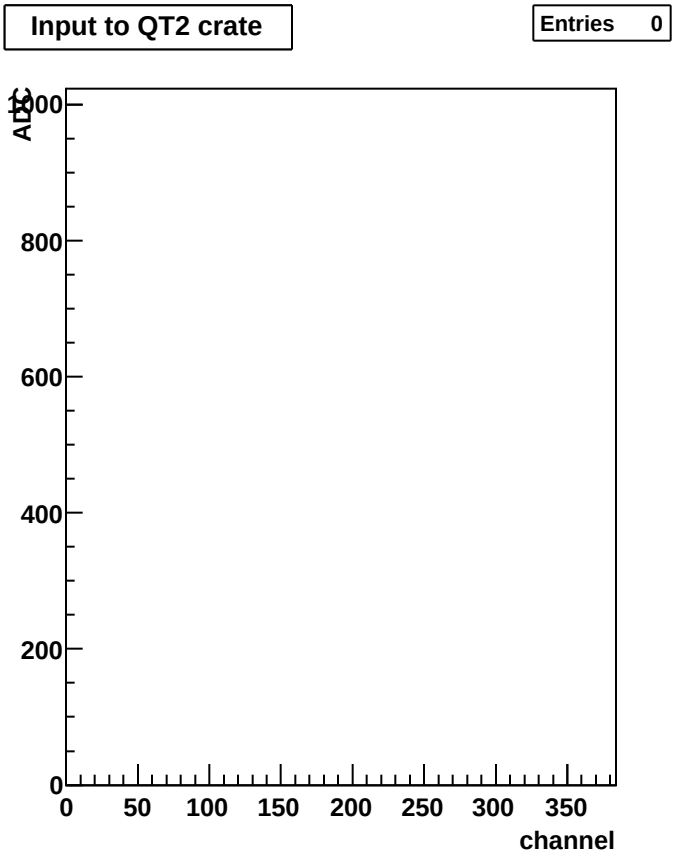
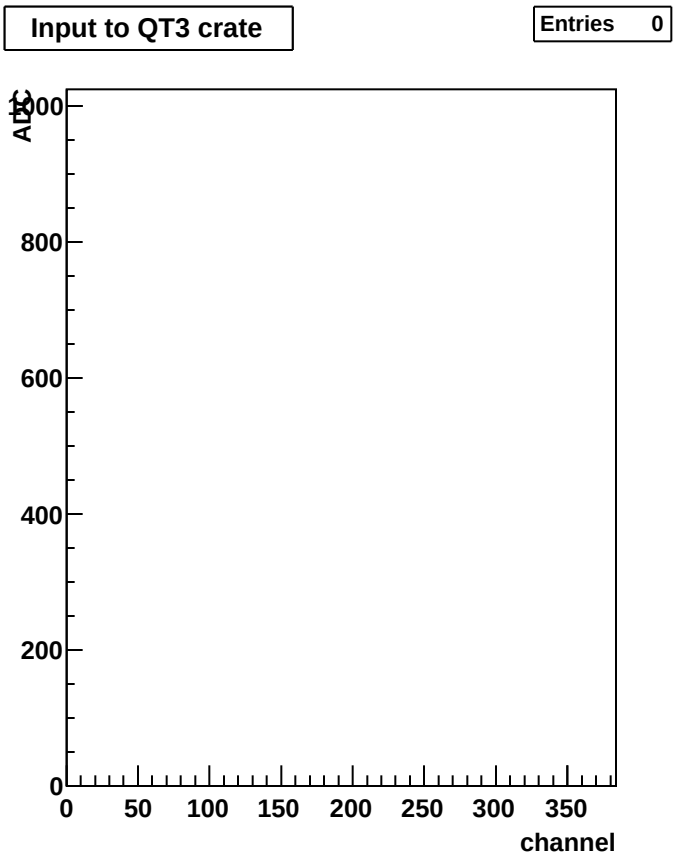
BBC-S-East ADC Sum
BBC-S-West ADC Sum

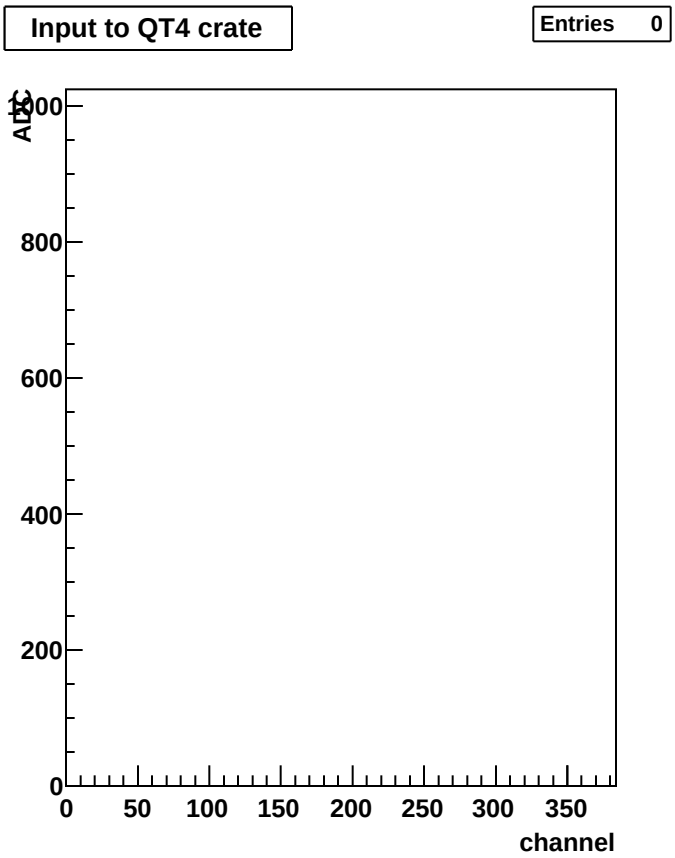

Entries 234937
ZDC East ADC Sum Att
ZDC West ADC Sum Att

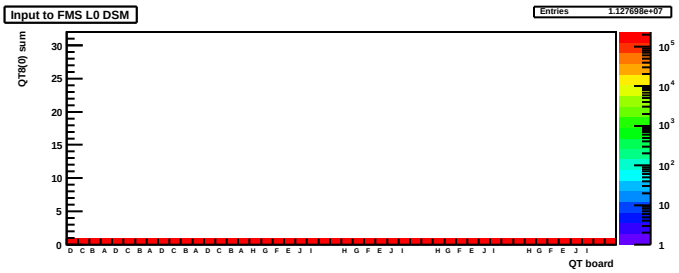

Entries 234937
BBC-L TAC Diff
BCC-S TAC Diff
Entries 234937
BBC-L TAC Diff
VPD TAC Diff
Entries 234937
BBC-L TAC Diff
ZDC TAC Diff
Entries 234937
BBC-S TAC Diff
VPD TAC Diff
Entries 234937
BBC-S TAC Diff
ZDC TAC Diff
Entries 234937
VPD TAC Diff
ZDC TAC Diff

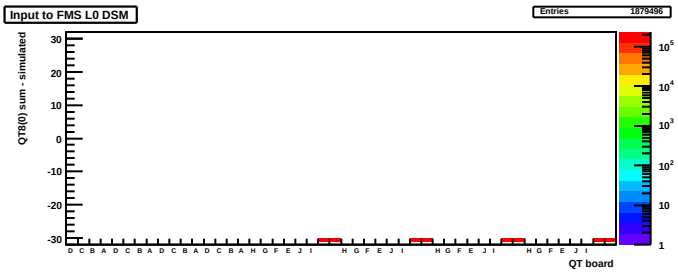

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

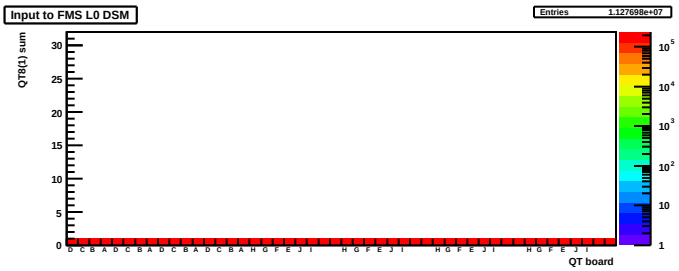

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

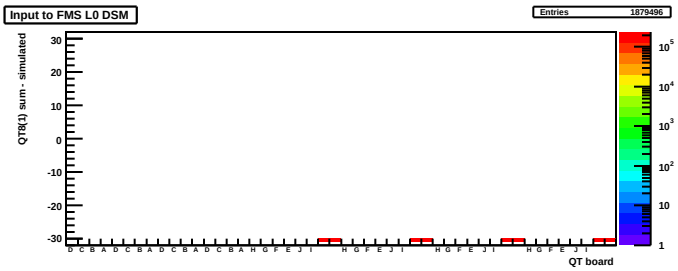

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

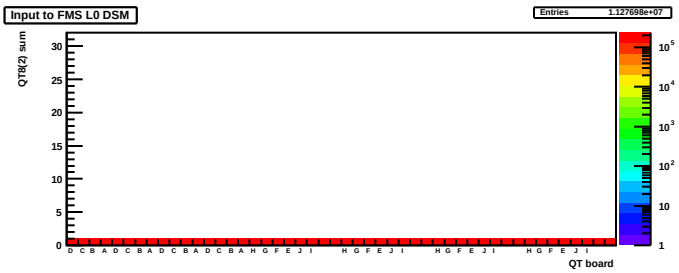

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

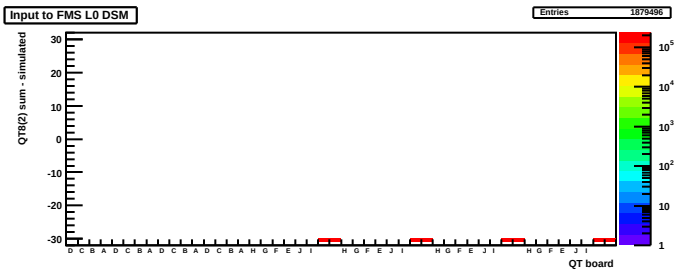

Input to FMS L0 DSM
Entries 1.127698e+07
QT8(0) sum
QT board

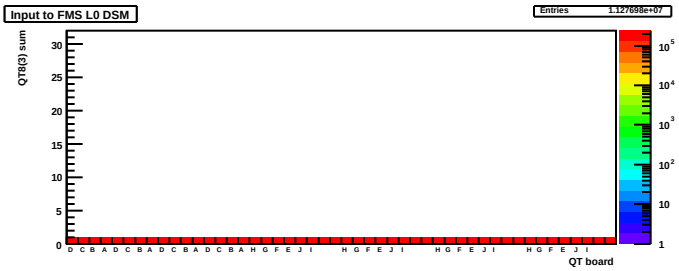

Input to FMS L0 DSM
Entries 1879496
QT8(0) sum - simulated
QT board

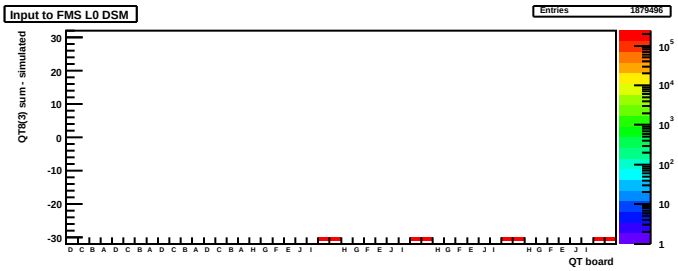

Input to FMS L0 DSM
Entries 1.127698e+07
QT8(1) sum
QT board

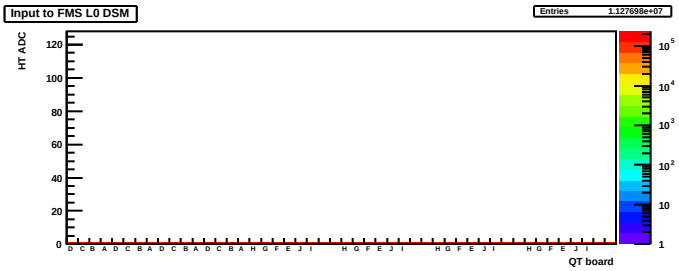

Input to FMS L0 DSM
Entries 1879496
QT8(1) sum - simulated
QT board

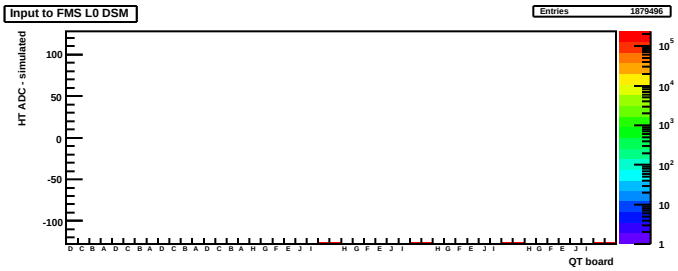

Input to FMS L0 DSM
Entries 1.127698e+07
QT8(2) sum
QT board

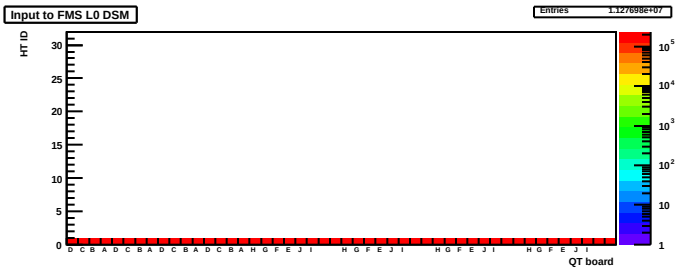

Input to FMS L0 DSM
Entries 1879496
QT8(2) sum - simulated
QT board

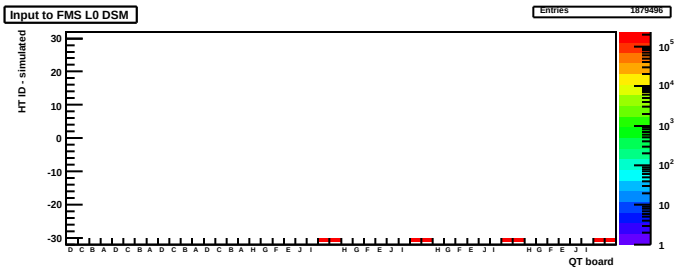

Input to FMS L0 DSM
Entries 1.127698e+07
QT8(3) sum
QT board

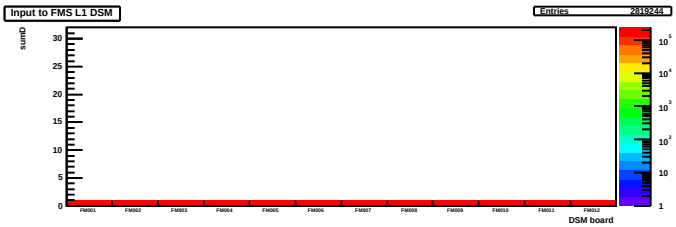

Input to FMS L0 DSM
Entries 1879496
QT8(3) sum - simulated
QT board

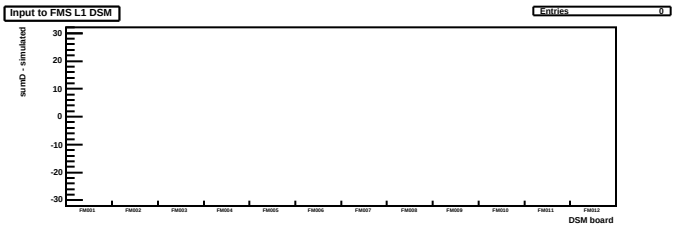

Input to FMS L0 DSM
Entries 1.127698e+07
HT ADC
QT board

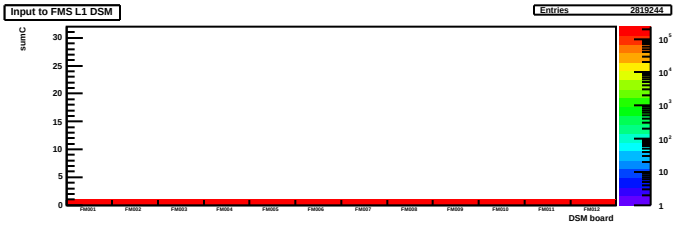

Input to FMS L0 DSM
Entries 1879496
HT ADC - simulated
QT board

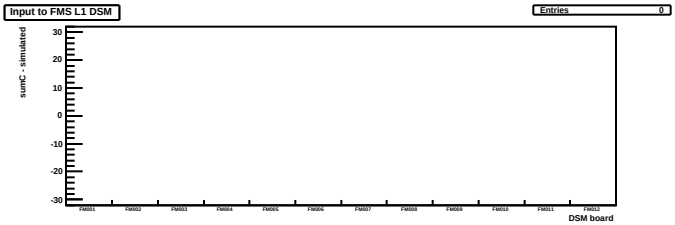

Input to FMS L0 DSM
Entries 1.127698e+07
HT ID
QT board

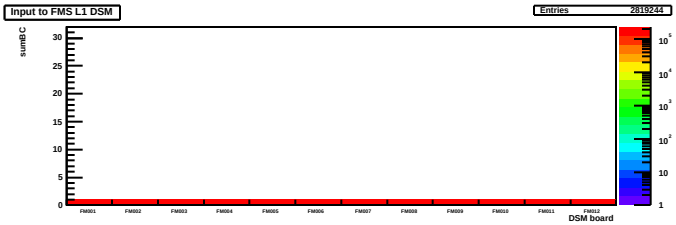

Input to FMS L0 DSM
Entries 1879496
HT ID - simulated
QT board

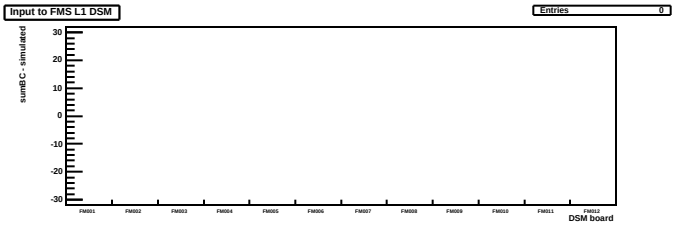

Input to FMS L1 DSM
Entries 2819244
sumD
DSM board

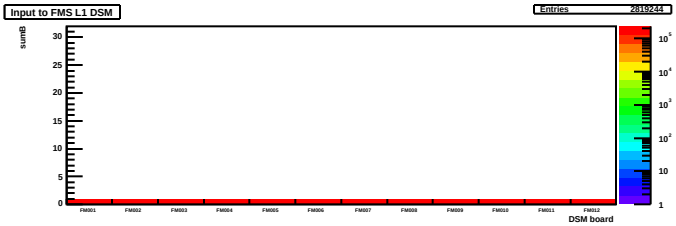

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

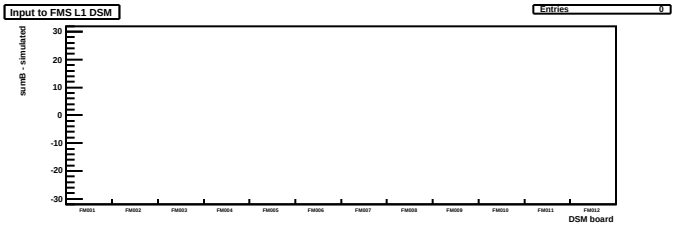

Input to FMS L1 DSM
Entries 2819244
sumC
DSM board

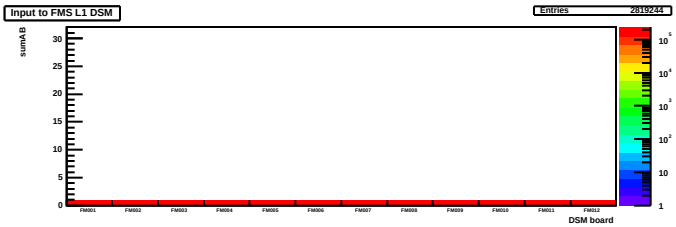

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

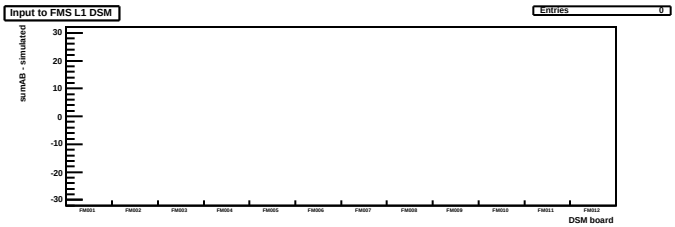

Input to FMS L1 DSM
Entries 2819244
sumBC
DSM board

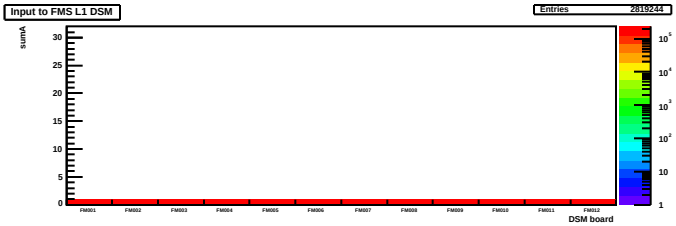

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

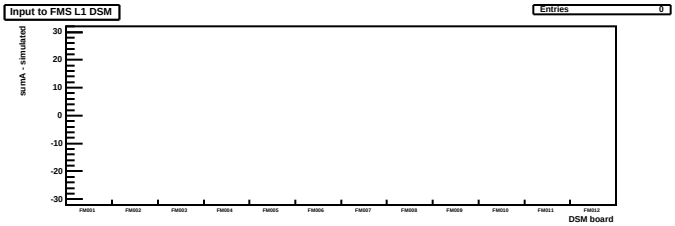

Input to FMS L1 DSM
Entries 2819244
sumB
DSM board

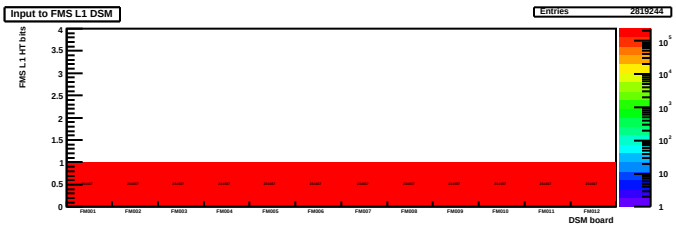

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

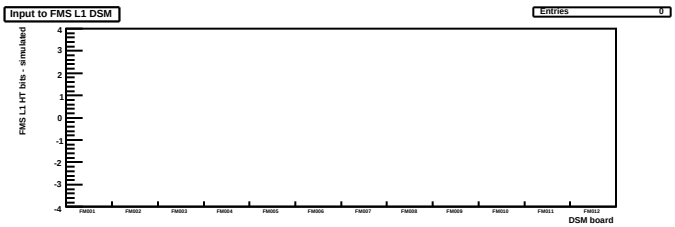

Input to FMS L1 DSM
Entries 2819244
sumAB
DSM board

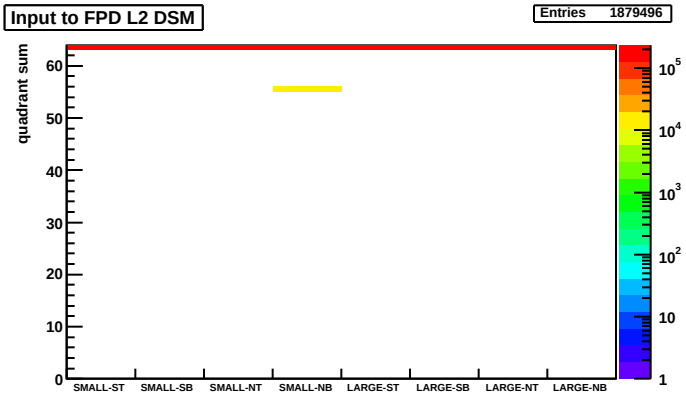

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

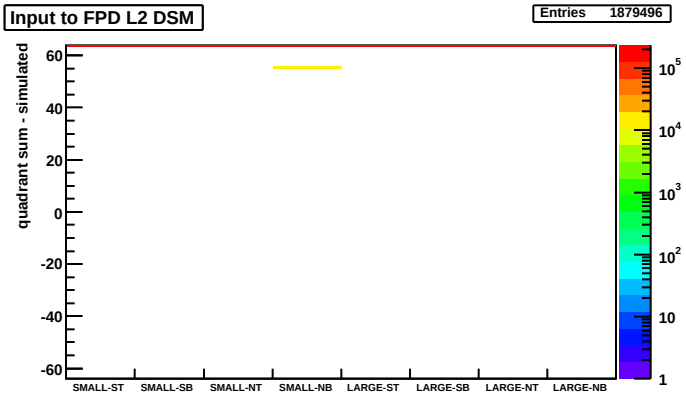

Input to FMS L1 DSM
Entries 2819244
sumA
DSM board

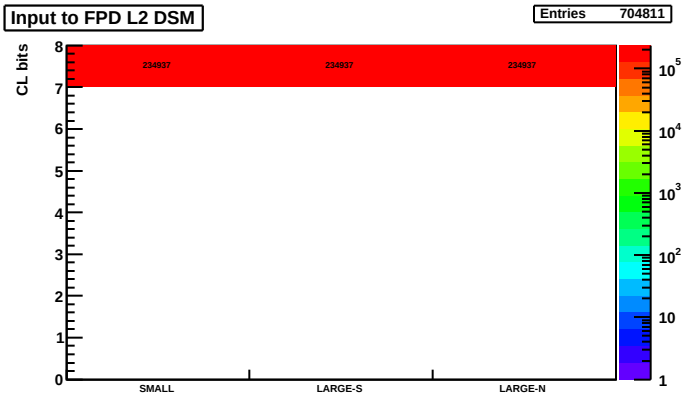

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

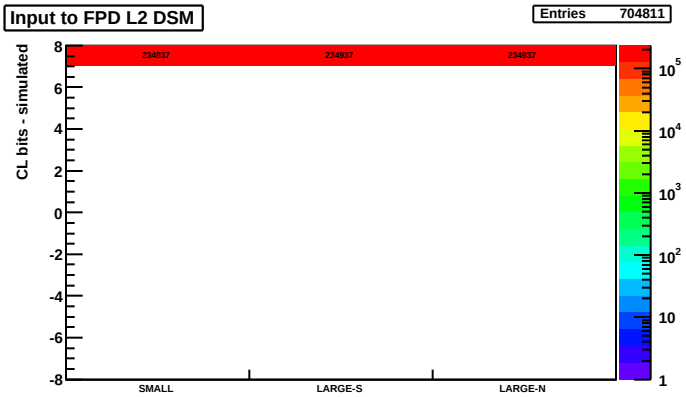

Input to FMS L1 DSM
Entries 2819244
FMS L1 HT bits
DSM board

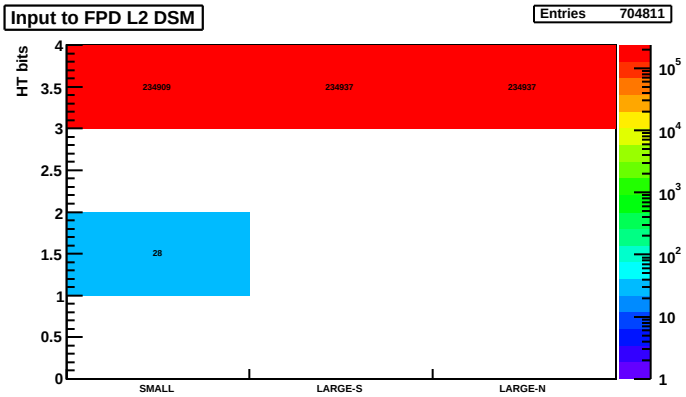

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

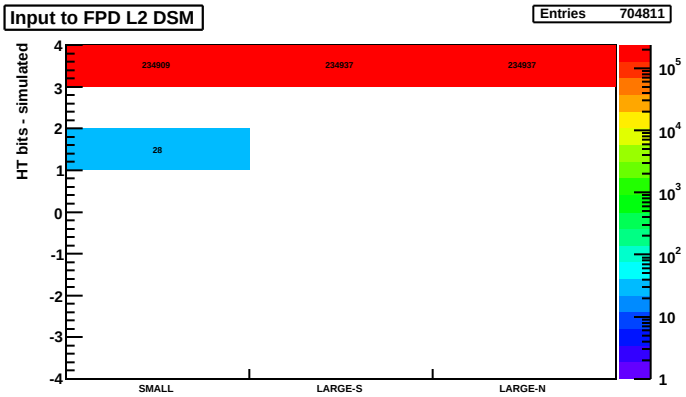

Input to FPD L2 DSM
Entries 1879496
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

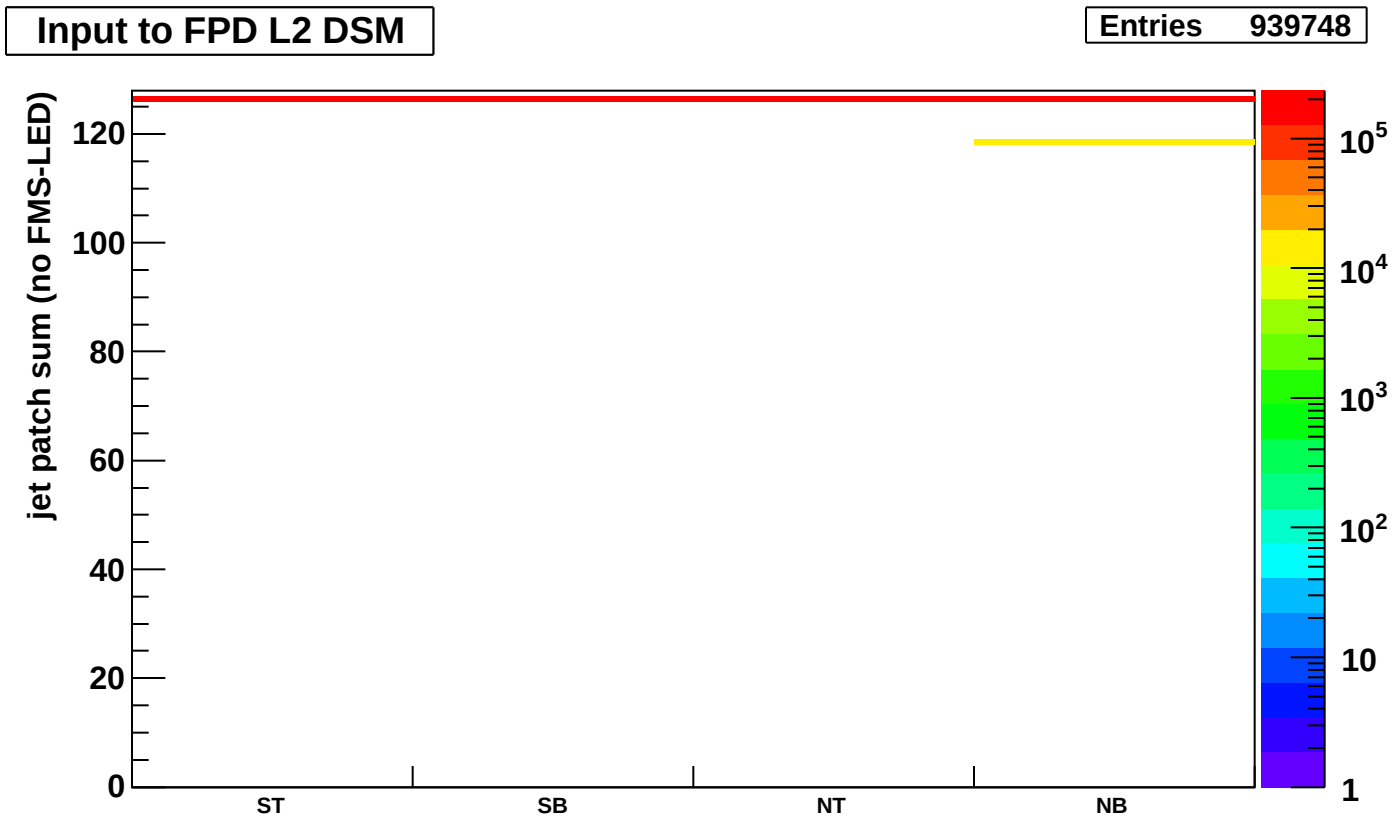

Input to FPD L2 DSM
Entries 1879496
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

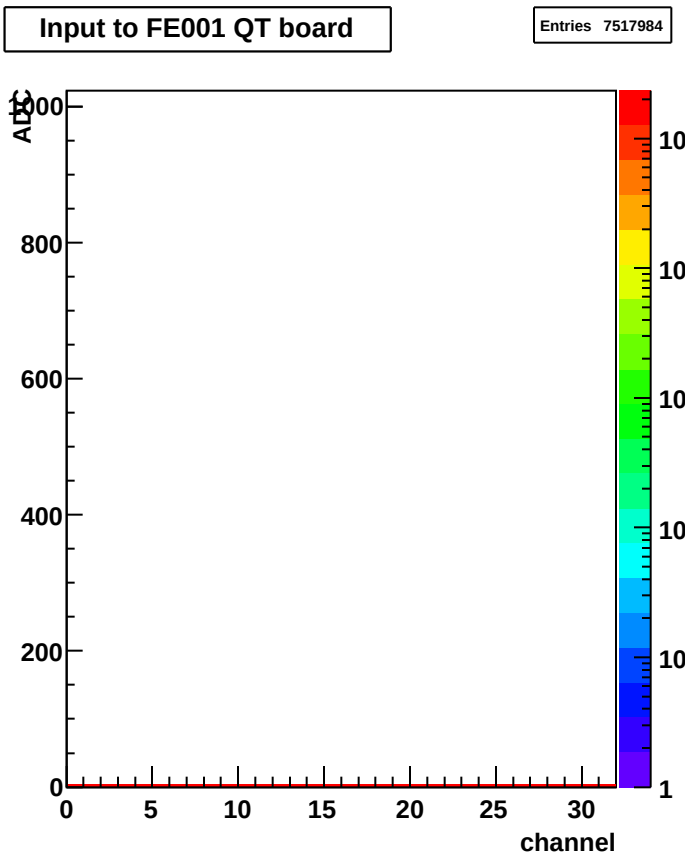

Input to FPD L2 DSM
Entries 704811
CL bits
234937
234937
234937
SMALL
LARGE-S
LARGE-N

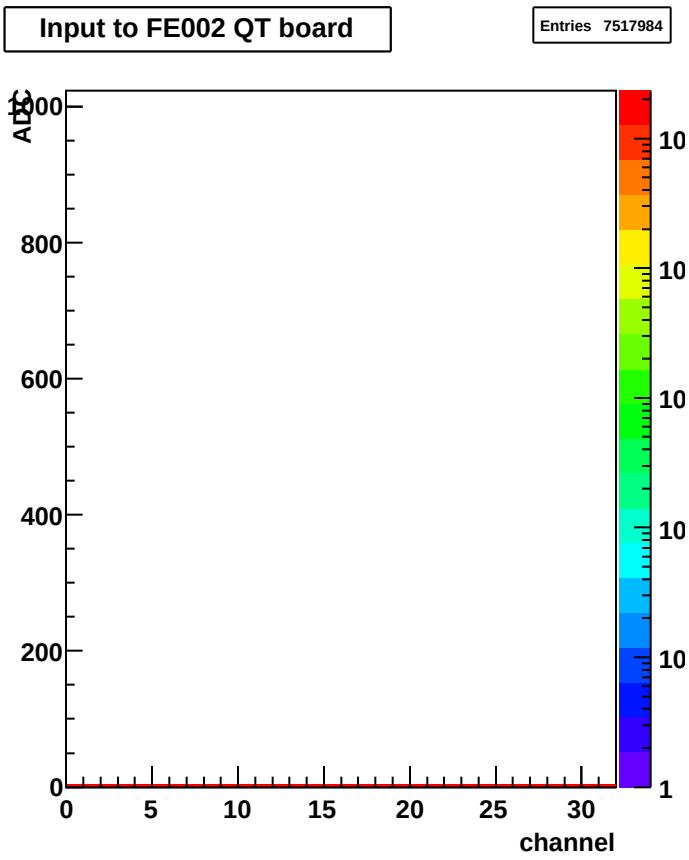

Input to FPD L2 DSM
Entries 704811
CL bits - simulated
234937
234937
234937
SMALL
LARGE-S
LARGE-N

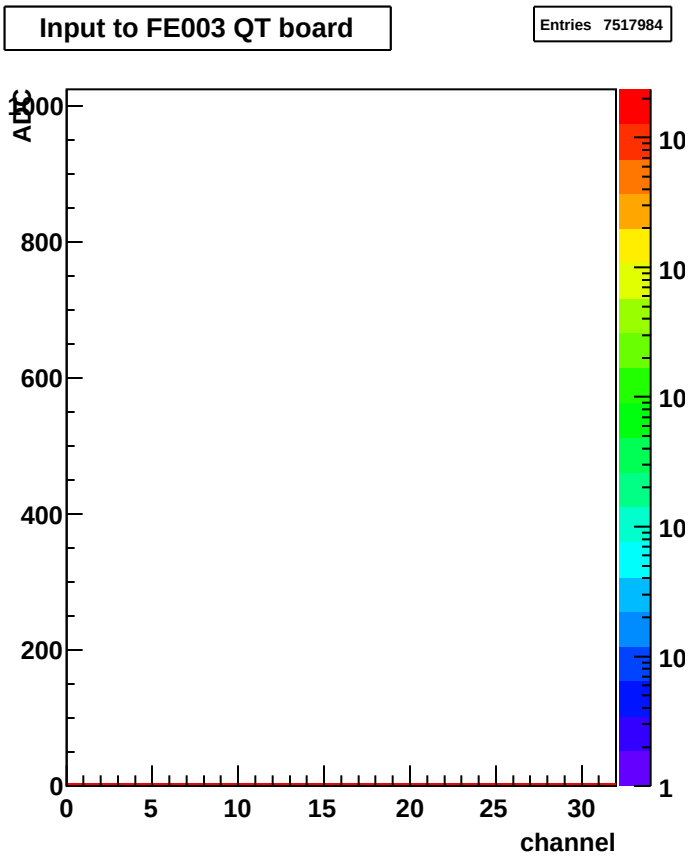

Input to FPD L2 DSM
Entries 704811
HT bits
234909
234937
234937
28
SMALL
LARGE-S
LARGE-N

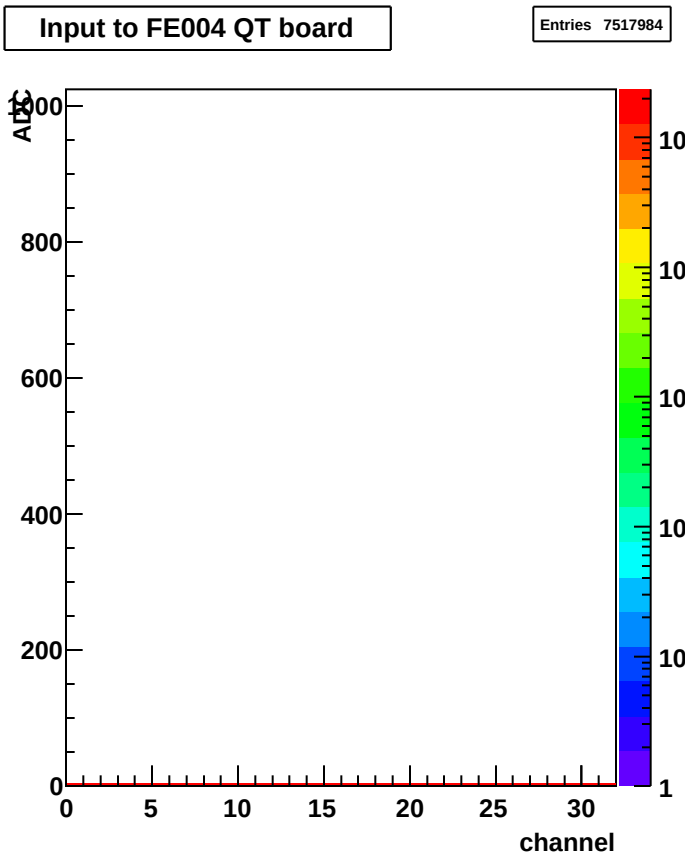

Input to FPD L2 DSM
Entries 704811
HT bits - simulated
234909
234937
234937
28
SMALL
LARGE-S
LARGE-N


Input to FPD L2 DSM
Entries 939748
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

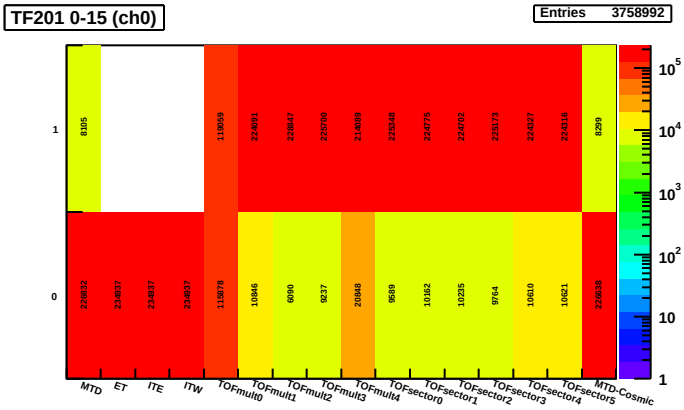

Input to FE001 QT board
Entries 7517984
ADC
channel


Input to FE002 QT board
Entries 7517984
ADC
channel

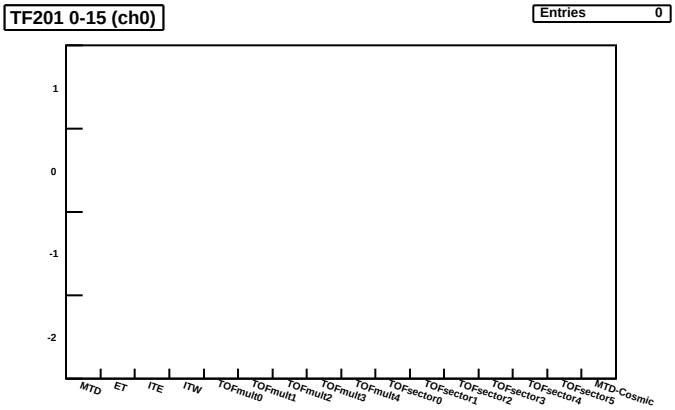

Input to FE003 QT board
Entries 7517984
ADC
channel


Input to FE004 QT board
Entries 7517984
ADC
channel

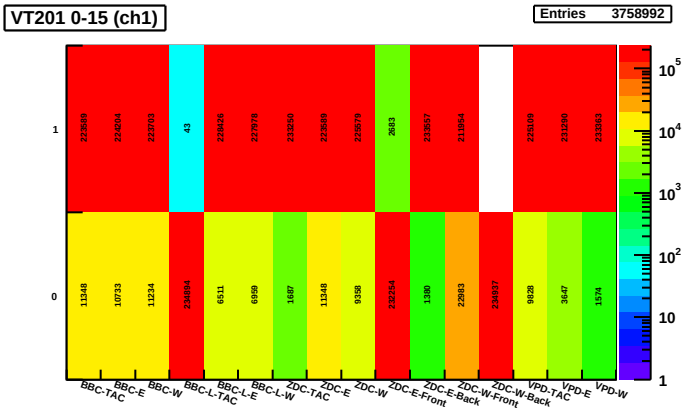
TF201 0-15 (ch0)



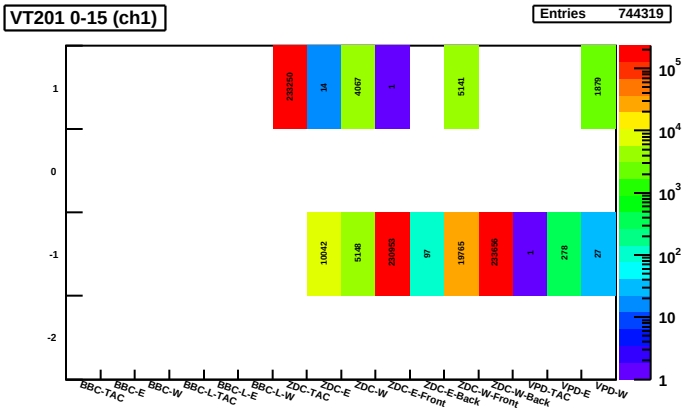
TF201 0-15 (ch0)



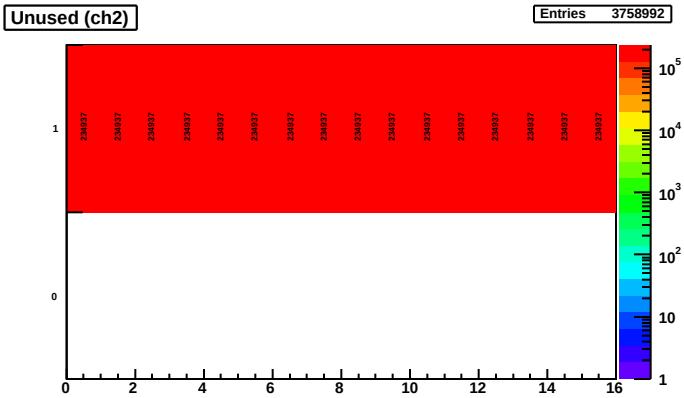
VT201 0-15 (ch1)

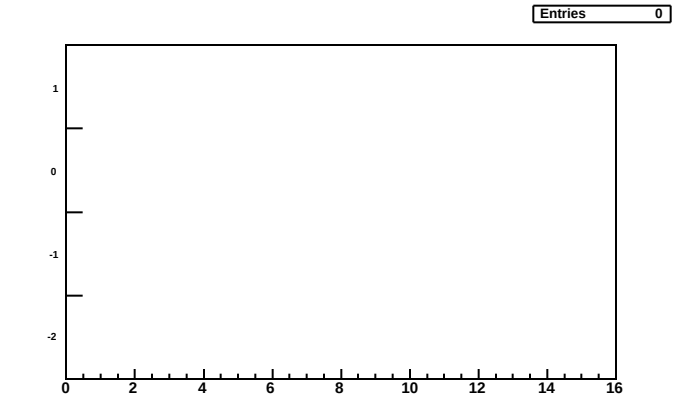


VT201 0-15 (ch1)

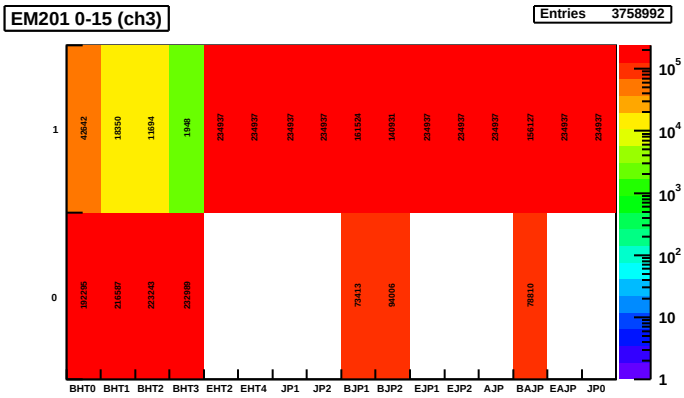


Unused (ch2)

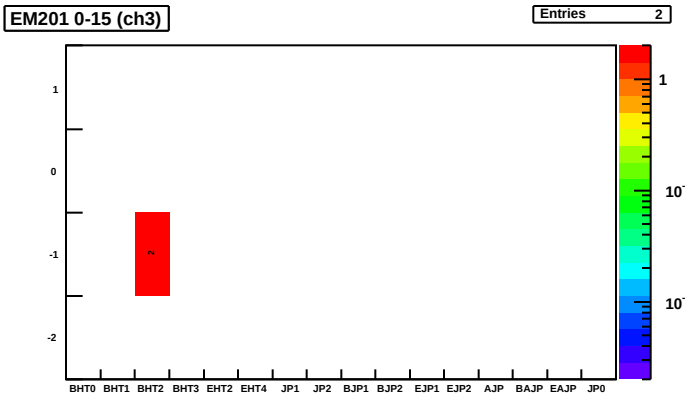




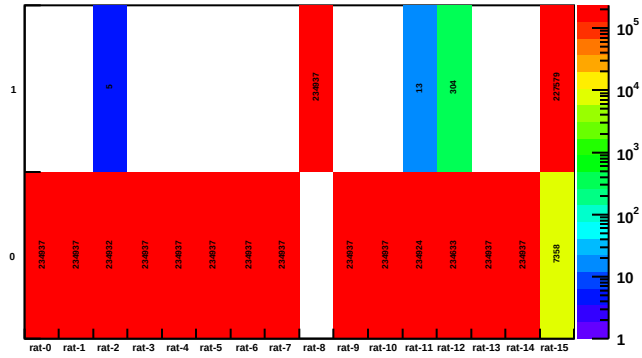
EM201 0-15 (ch3)

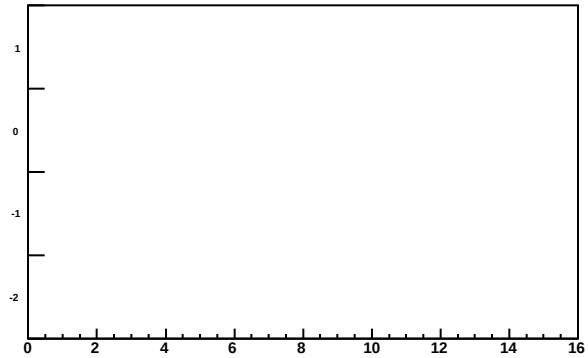


EM201 0-15 (ch3)

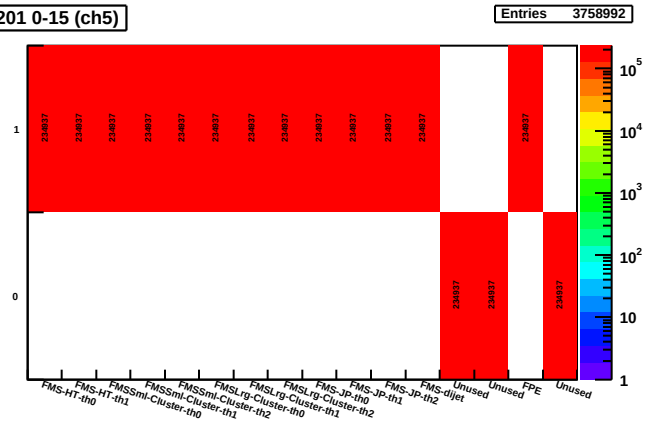


RAT board (ch4)

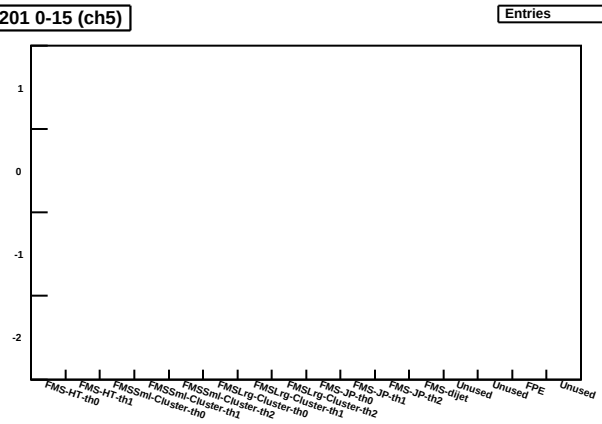




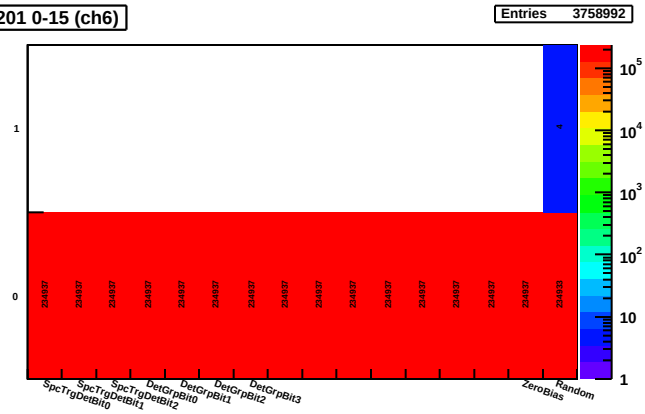
FP201 0-15 (ch5)

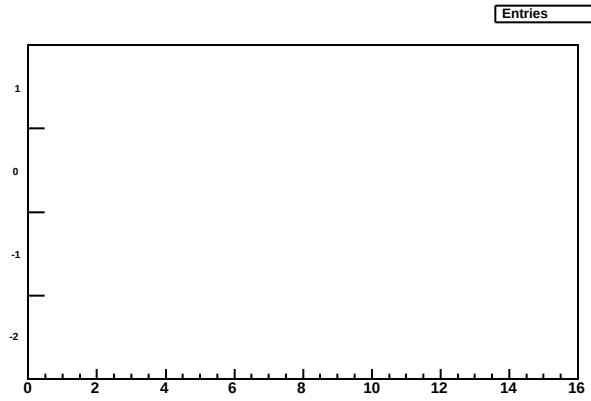
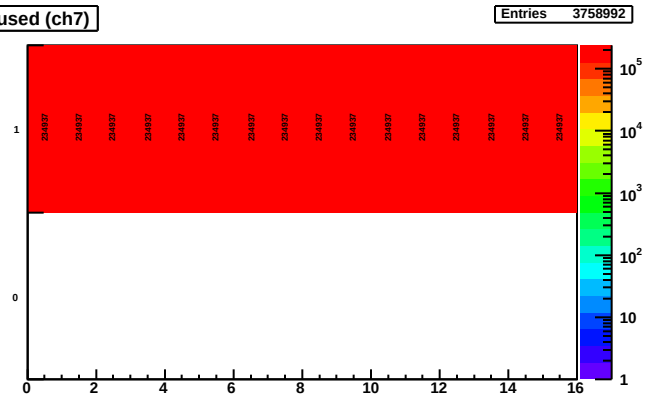
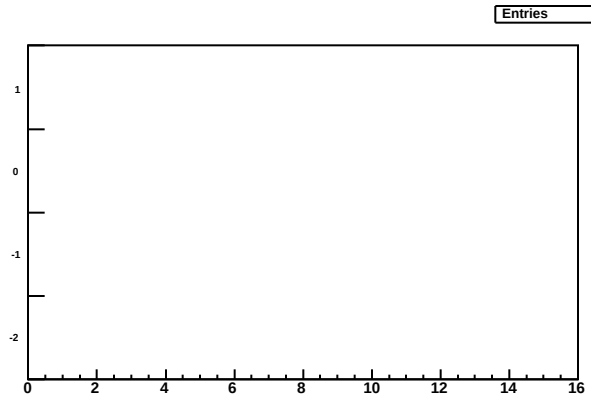


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)