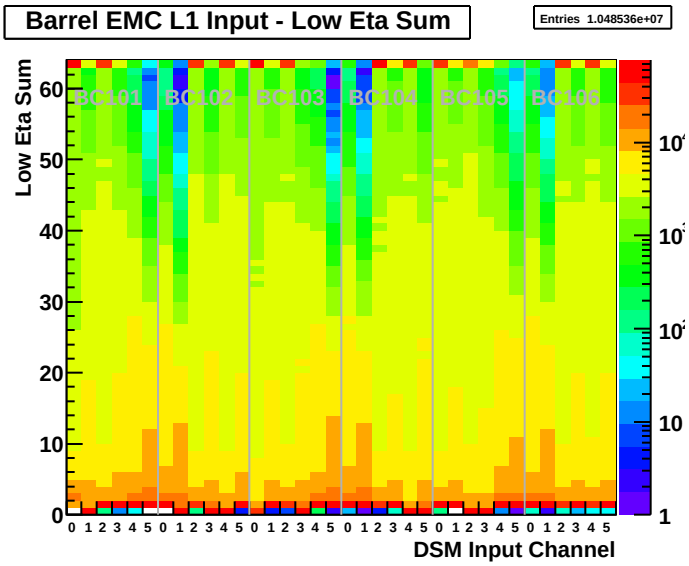
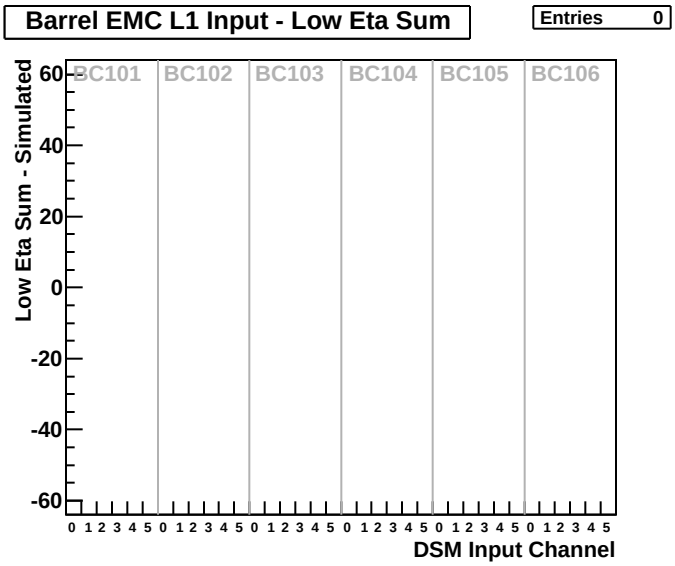
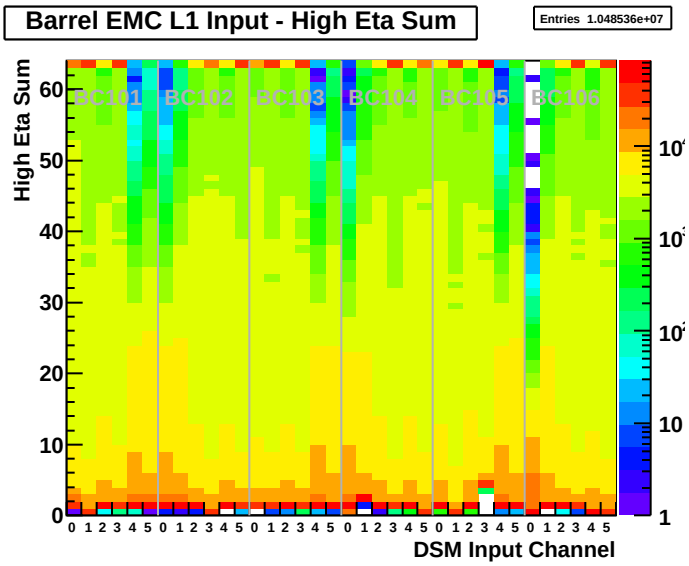
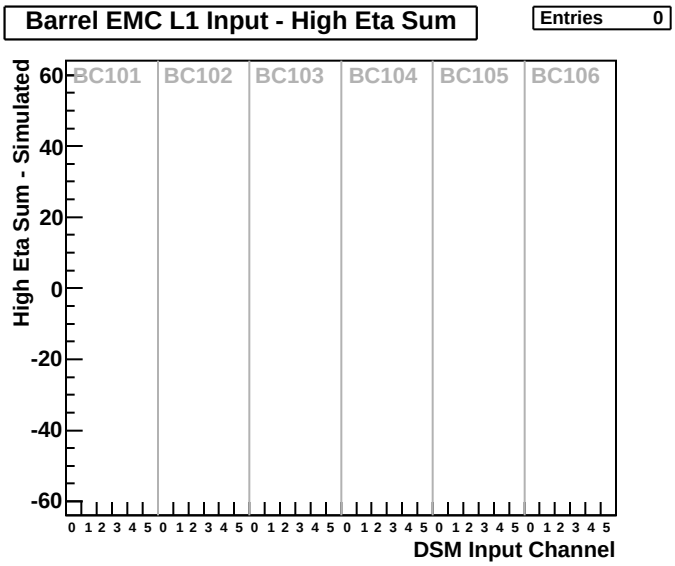
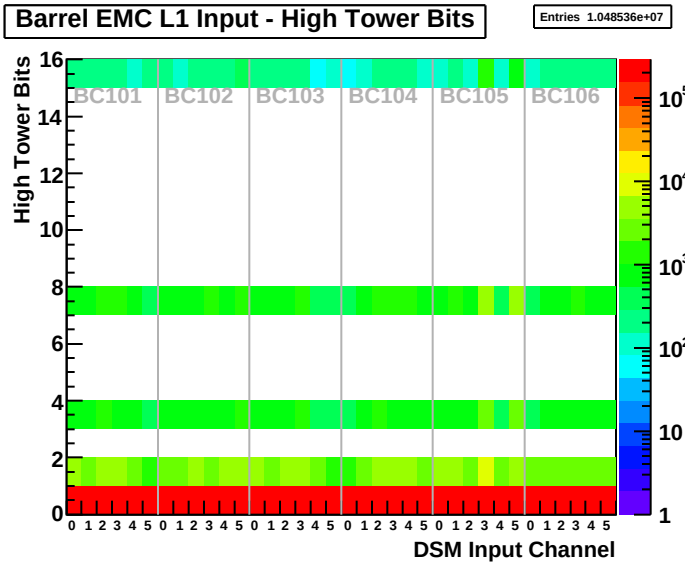
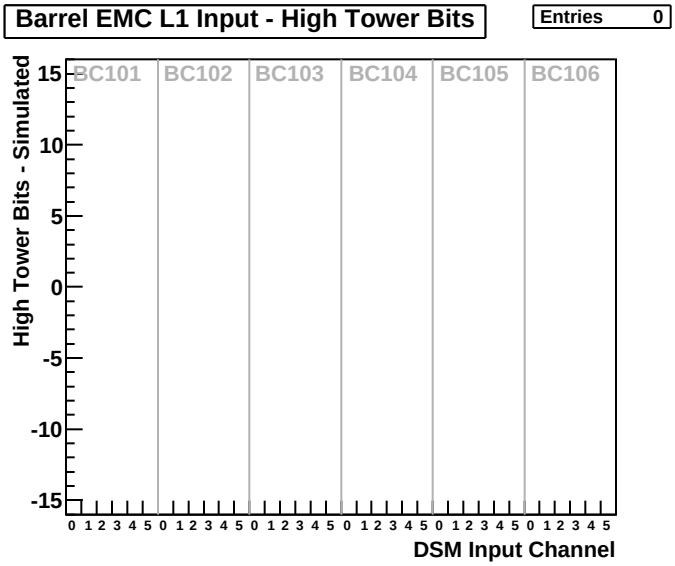

Barrel EMC L1 Input - Low Eta Sum
Entries 1.048536e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

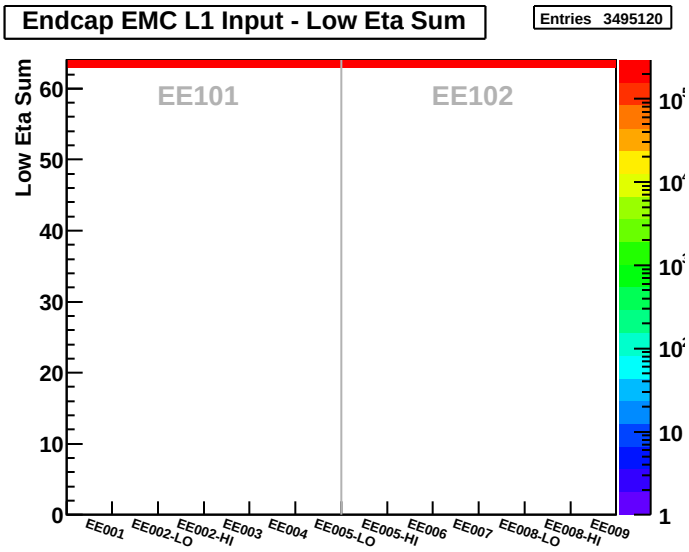

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

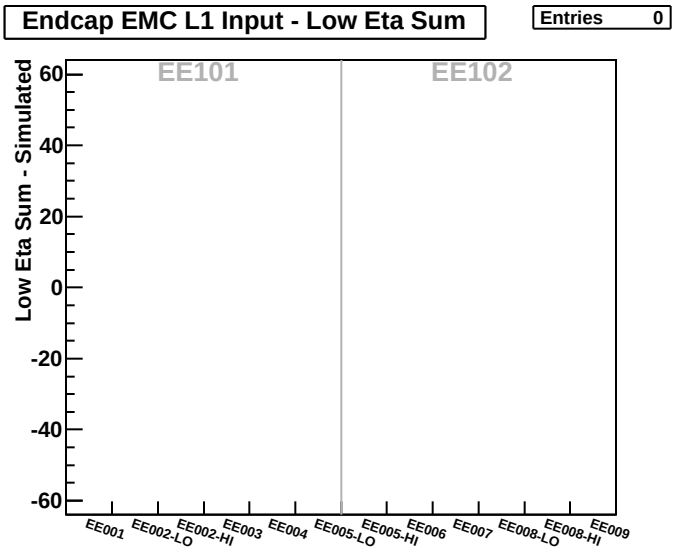

Barrel EMC L1 Input - High Eta Sum
Entries 1.048536e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

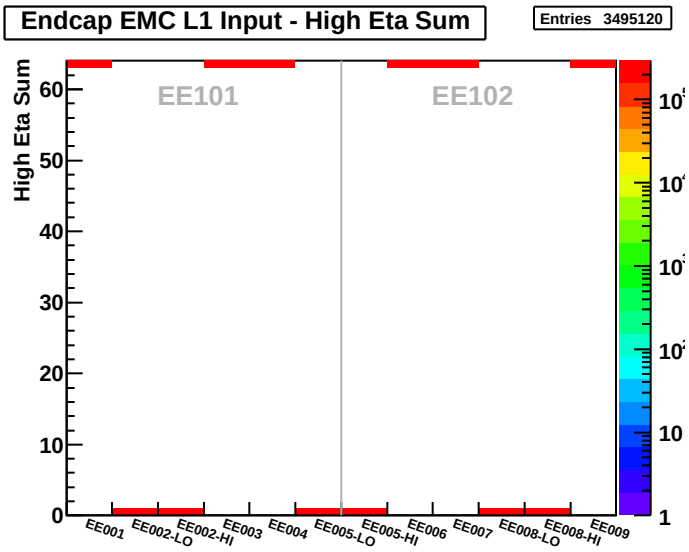

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

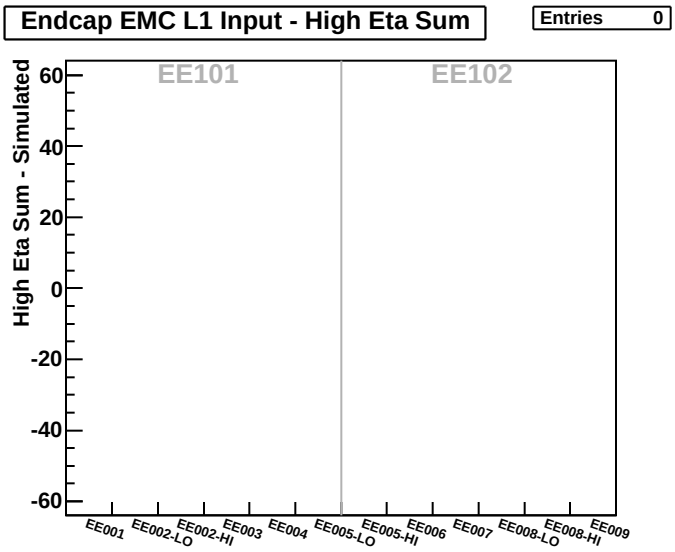

Barrel EMC L1 Input - High Tower Bits
Entries 1.048536e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

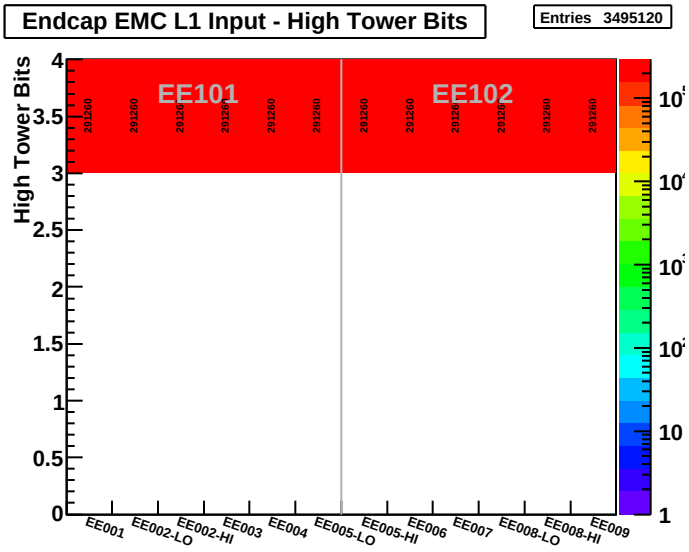

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

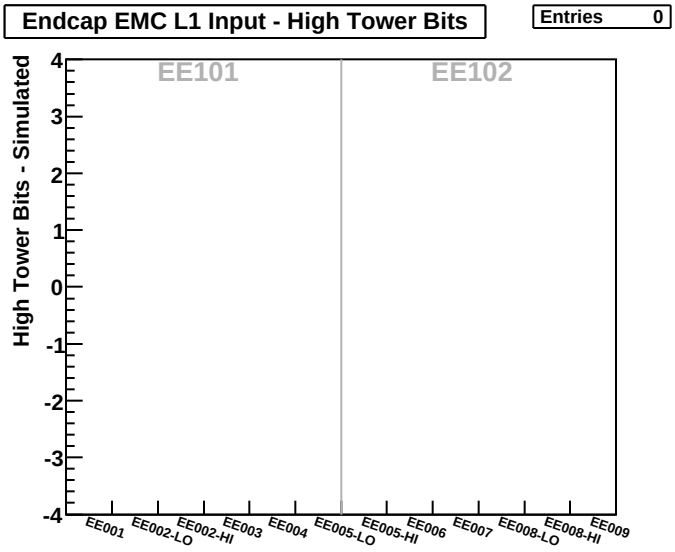

Endcap EMC L1 Input - Low Eta Sum
Entries 3495120
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

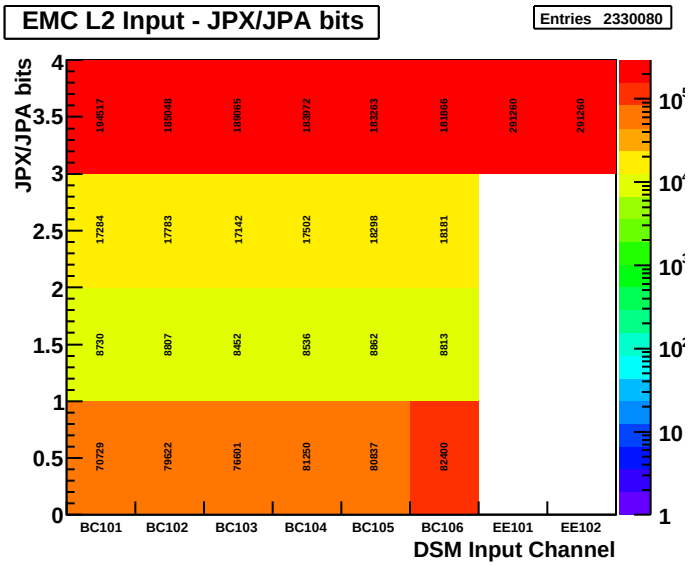

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

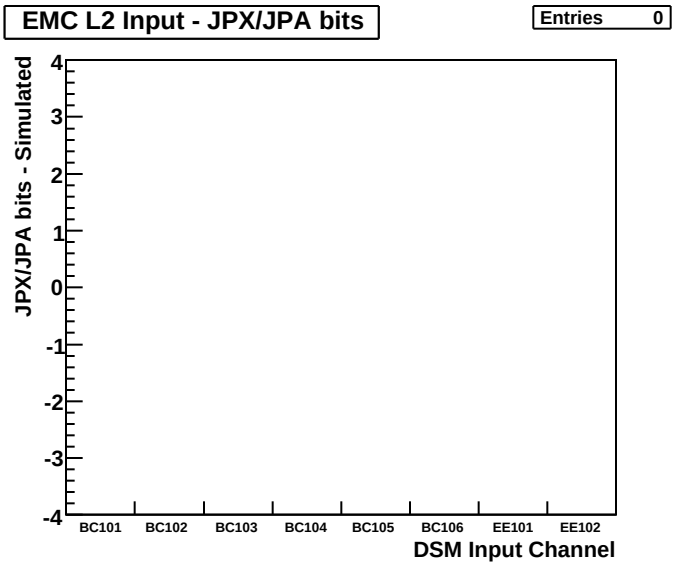

Endcap EMC L1 Input - High Eta Sum
Entries 3495120
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

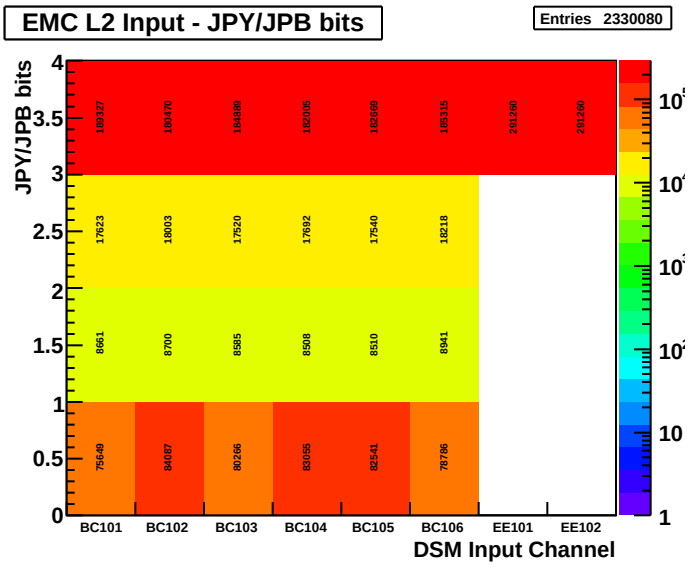

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

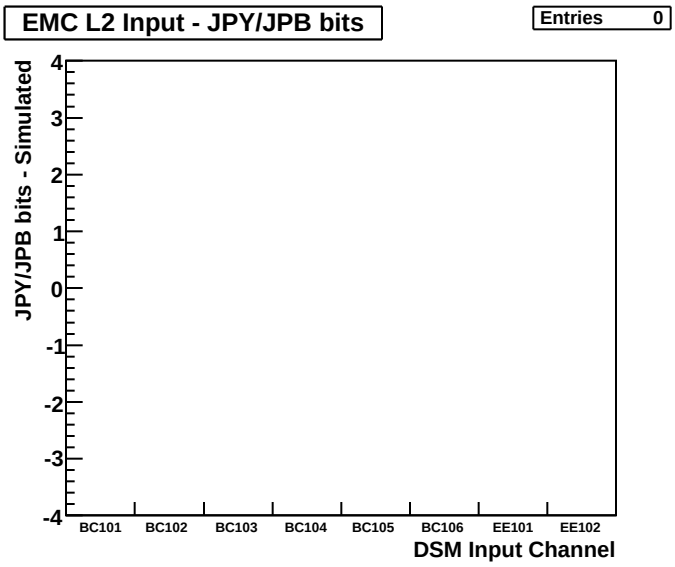

Endcap EMC L1 Input - High Tower Bits
Entries 3495120
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

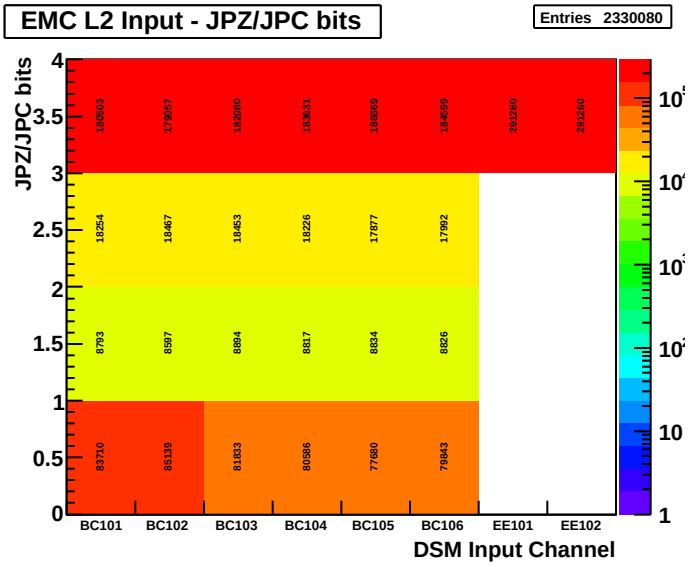

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

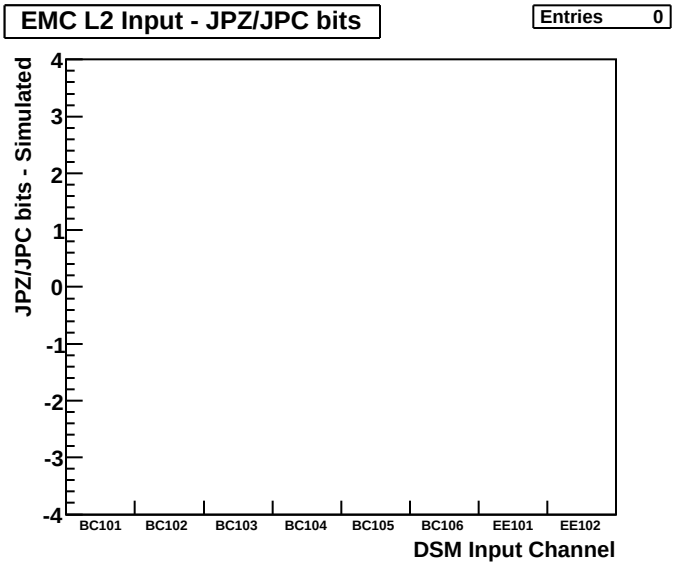

EMC L2 Input - JPX/JPA bits
Entries 2330080
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
194517 185048 189065 183872 183263 181866 291260 291260
17284 17783 17142 17502 18298 18181
8730 8807 8452 8536 8862 8813
70729 79622 76601 81250 80837 82400

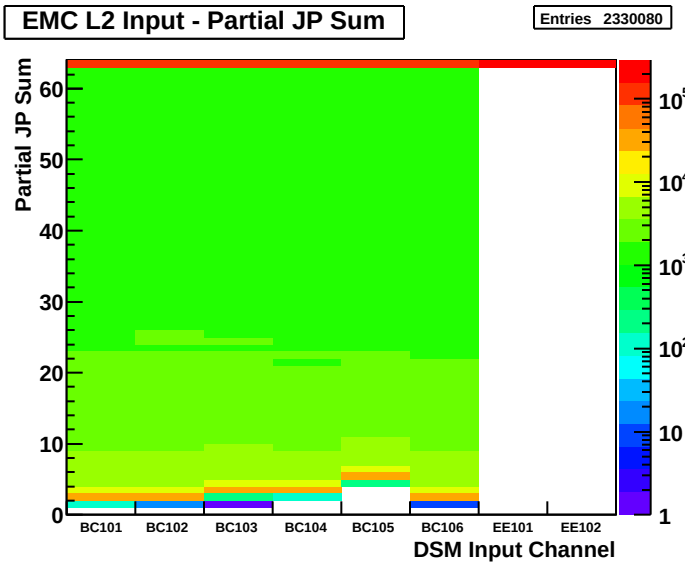

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

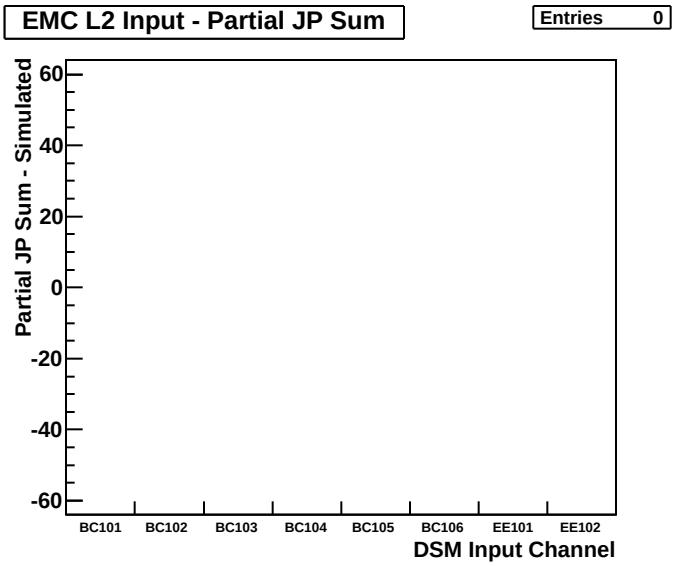

EMC L2 Input - JPY/JPB bits
Entries 2330080
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
189327 180470 184889 182005 182669 185315 291260 291260
17623 18003 17520 17692 17540 18218
8661 8700 8585 8508 8510 8941
75649 84087 80266 83055 82541 78786

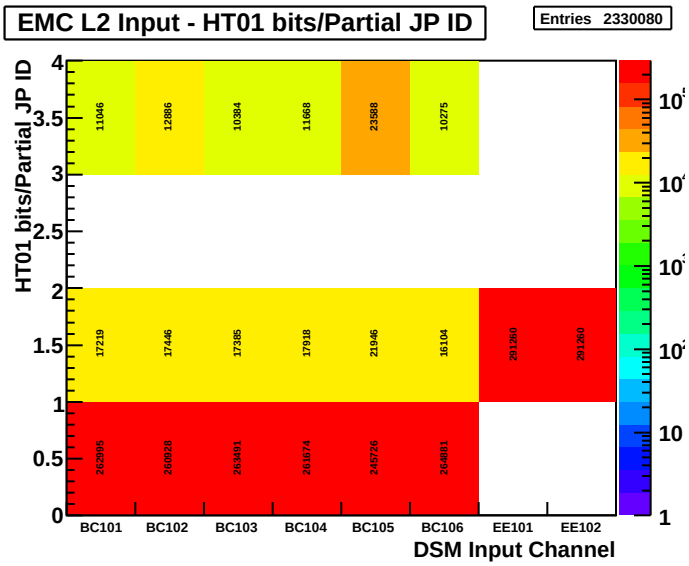

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

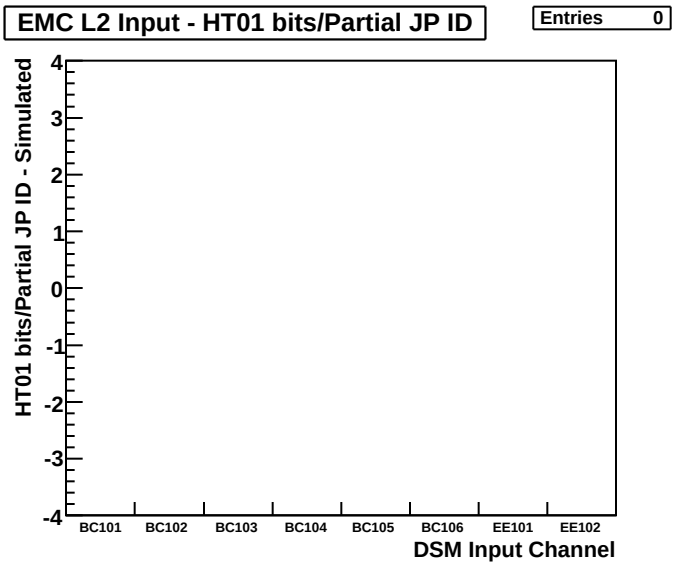

EMC L2 Input - JPZ/JPC bits
Entries 2330080
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
180503 179057 182080 183831 188869 184599 291260 291260
18254 18467 18453 18226 17877 17992
8793 8597 8884 8817 8834 8826
83710 85139 81833 80586 77680 79943

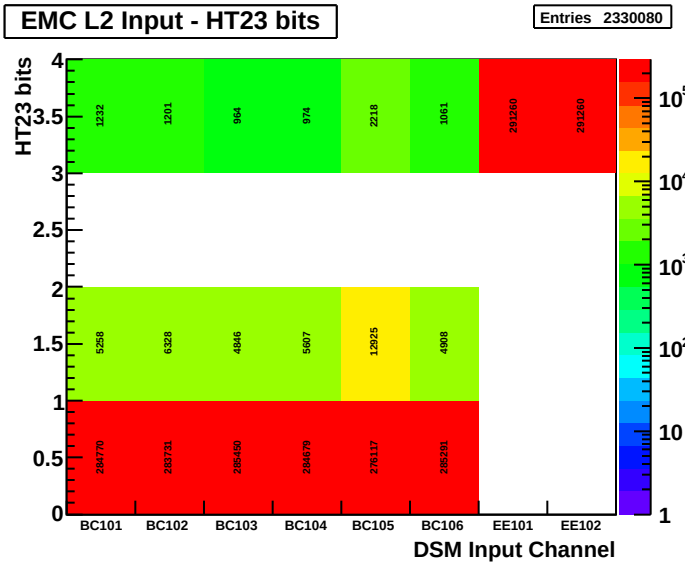

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

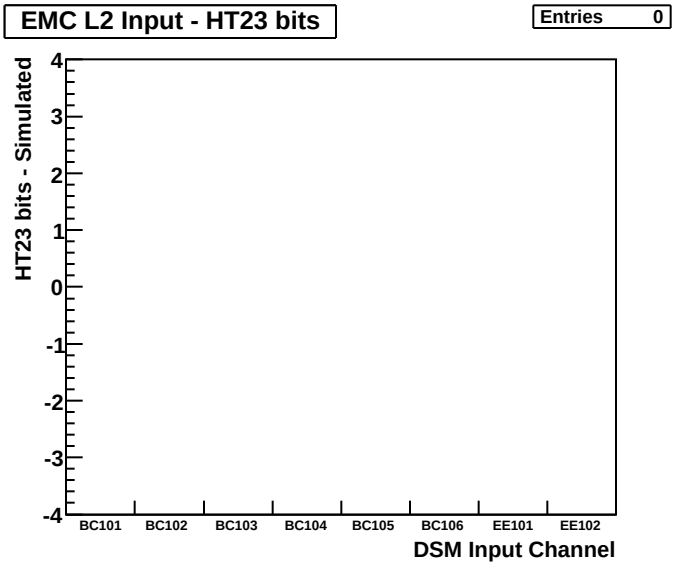

EMC L2 Input - Partial JP Sum
Entries 2330080
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

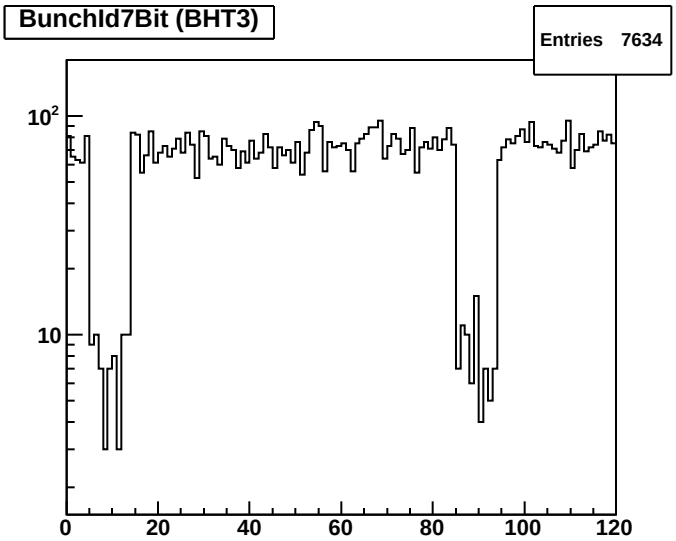

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

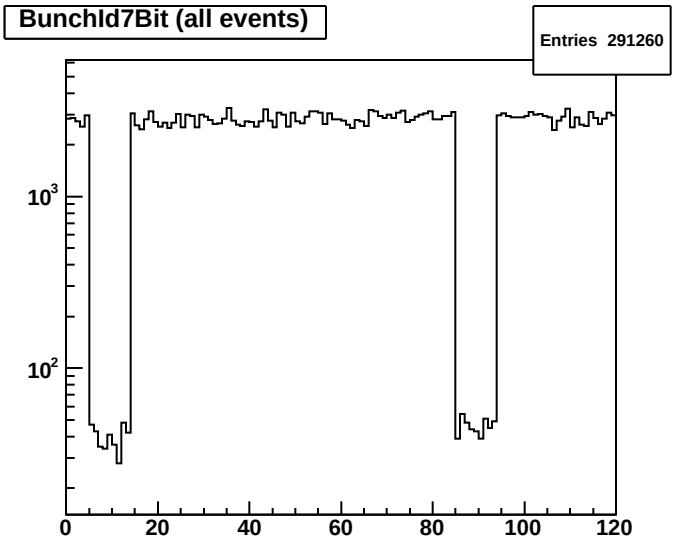

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2330080
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

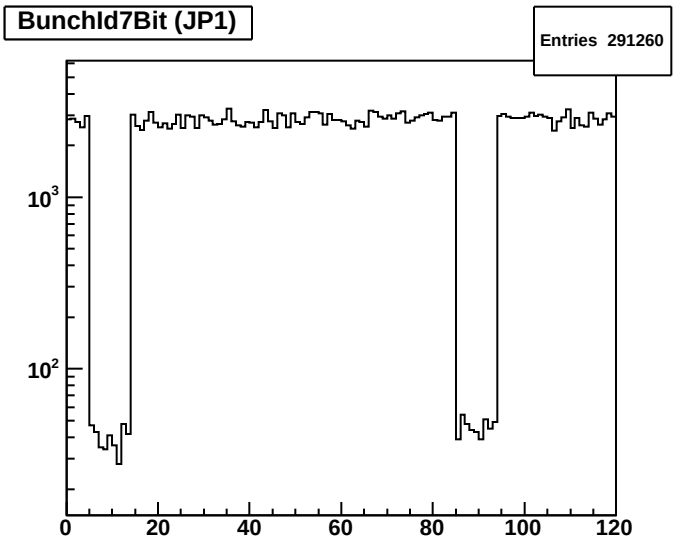

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

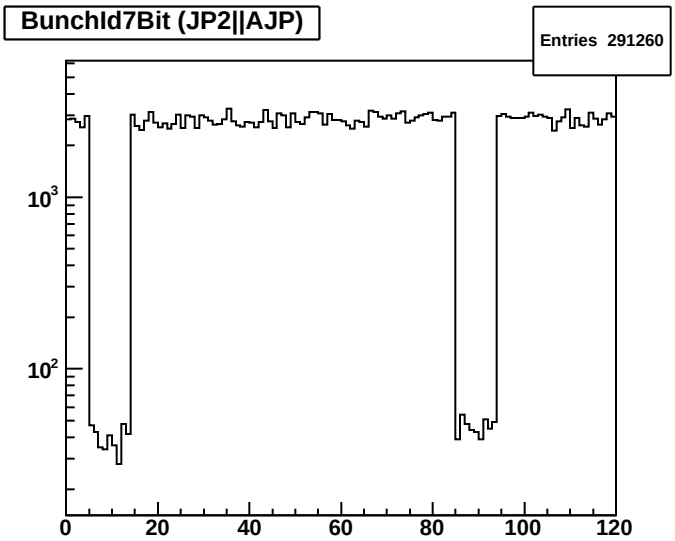

EMC L2 Input - HT23 bits
Entries 2330080
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

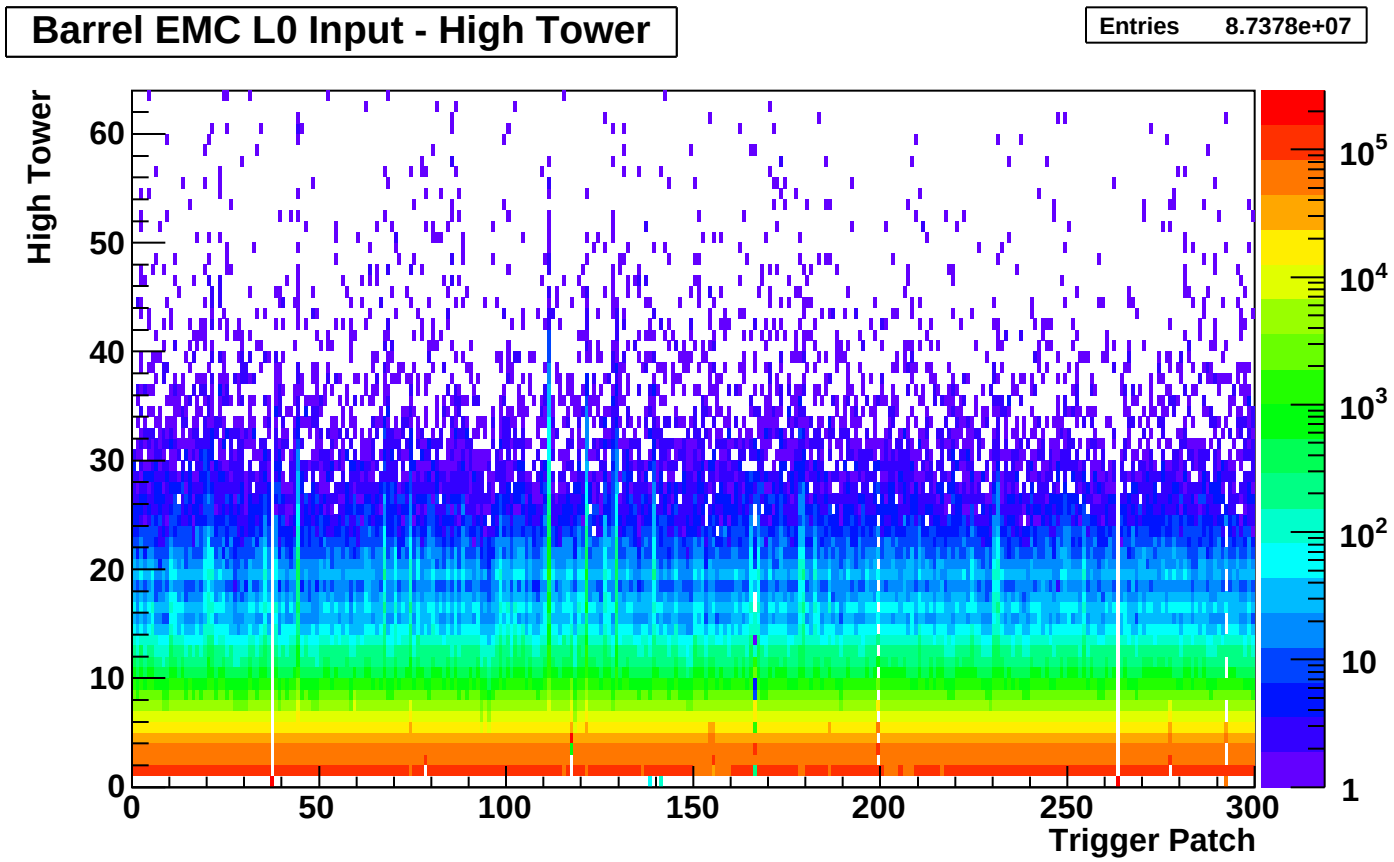

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

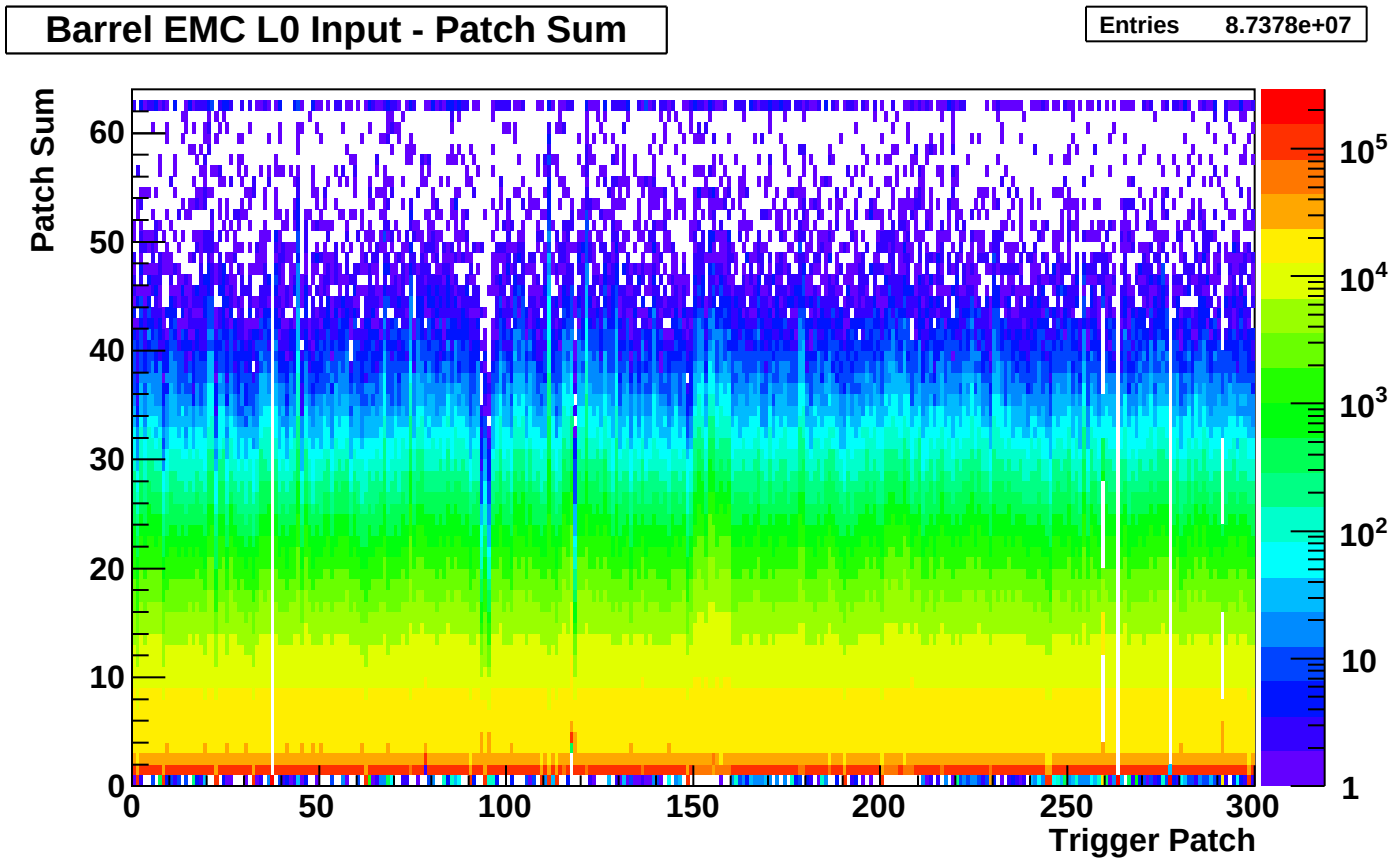

BunchId7Bit (BHT3)
Entries 7634
10^2
10
0
20
40
60
80
100
120

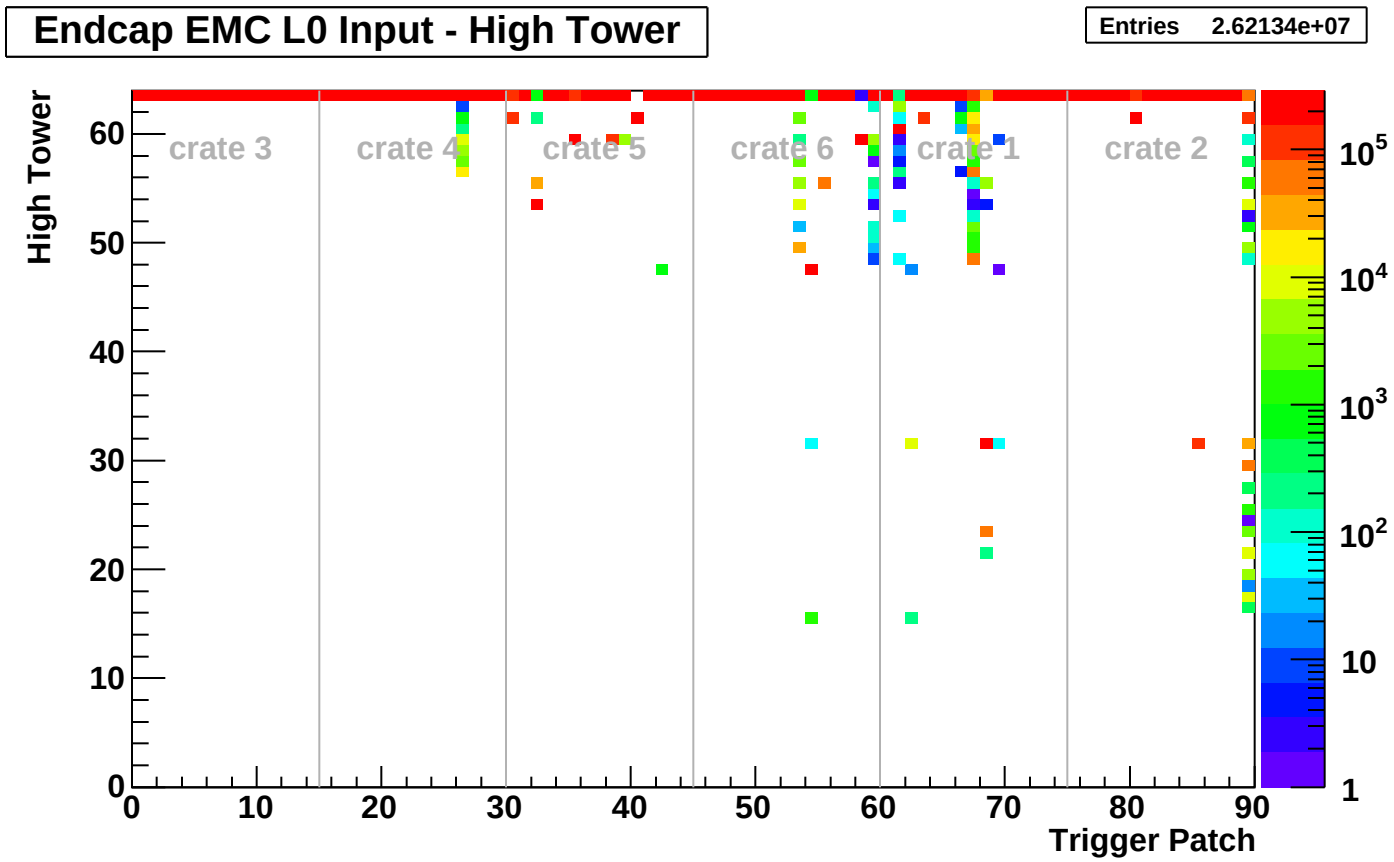

BunchId7Bit (all events)
Entries 291260
10^3
10^2
0
20
40
60
80
100
120

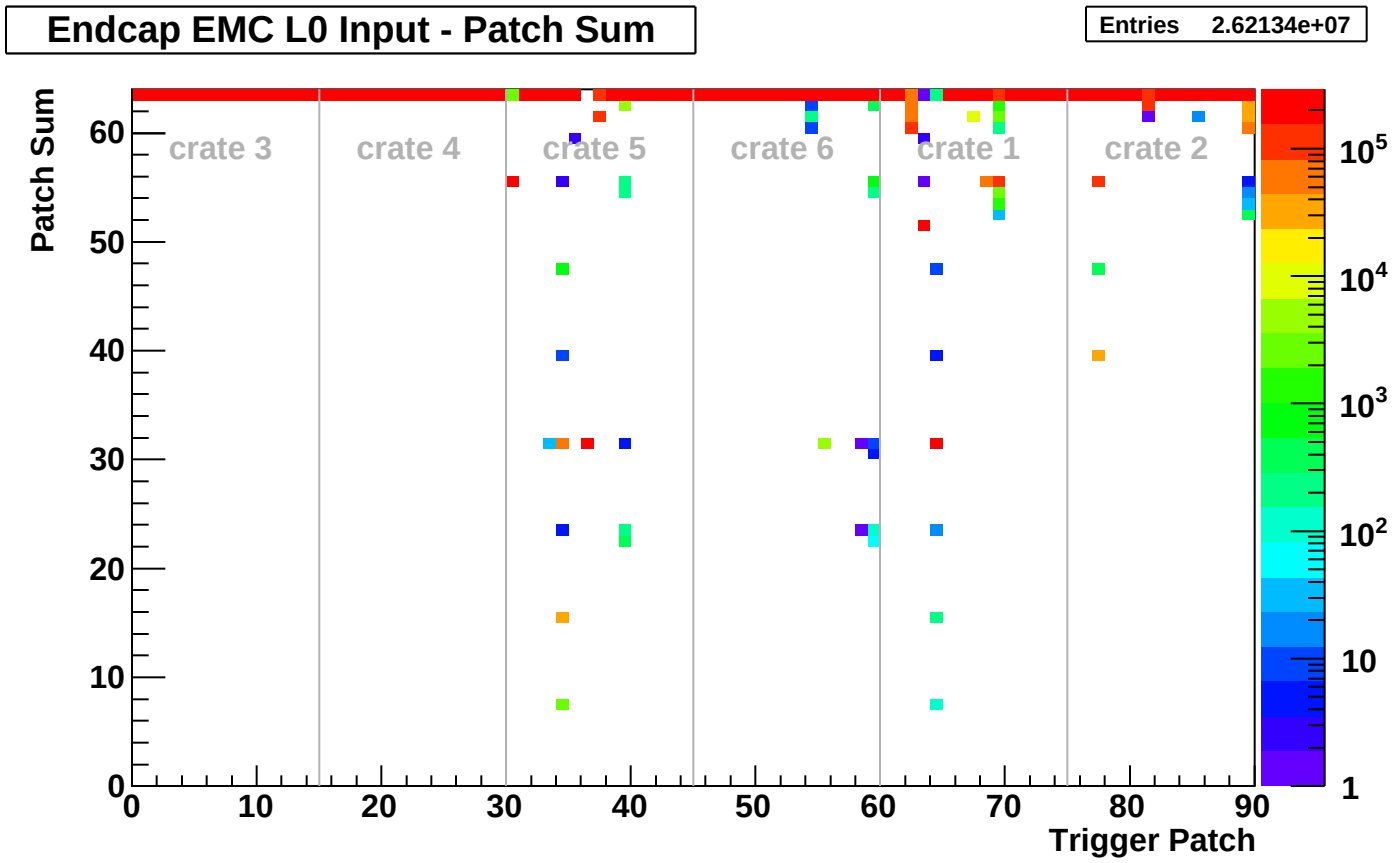

BunchId7Bit (JP1)
Entries 291260
10^3
10^2
0
20
40
60
80
100
120

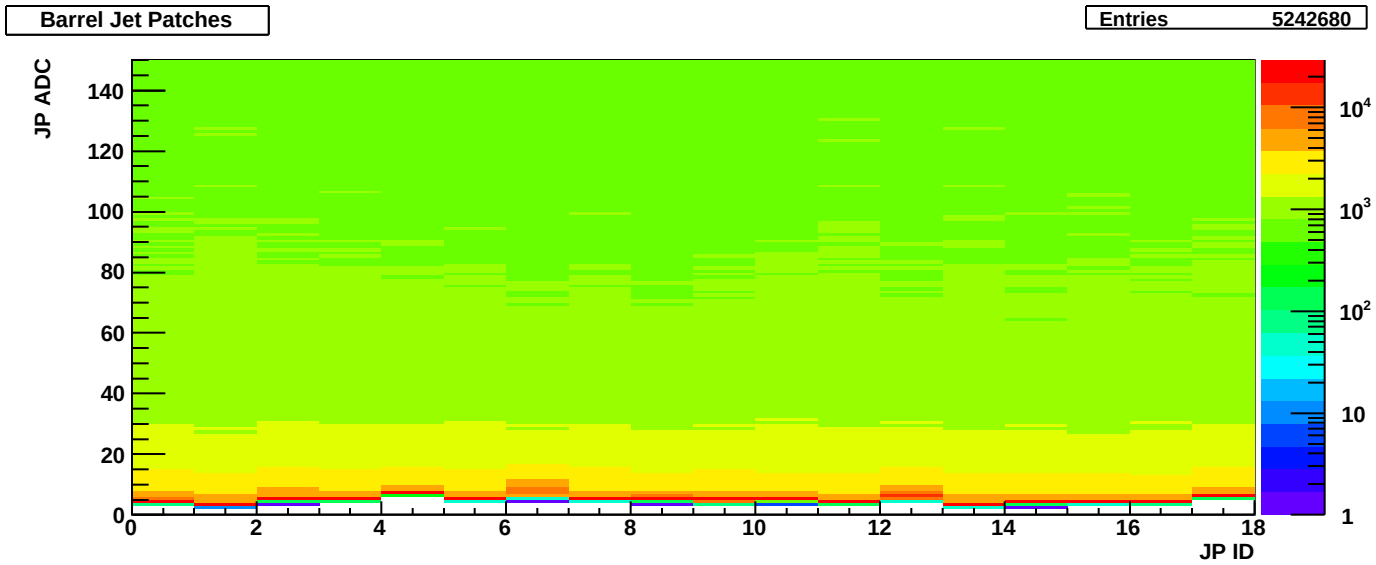

BunchId7Bit (JP2||AJP)
Entries 291260
10^3
10^2
0
20
40
60
80
100
120

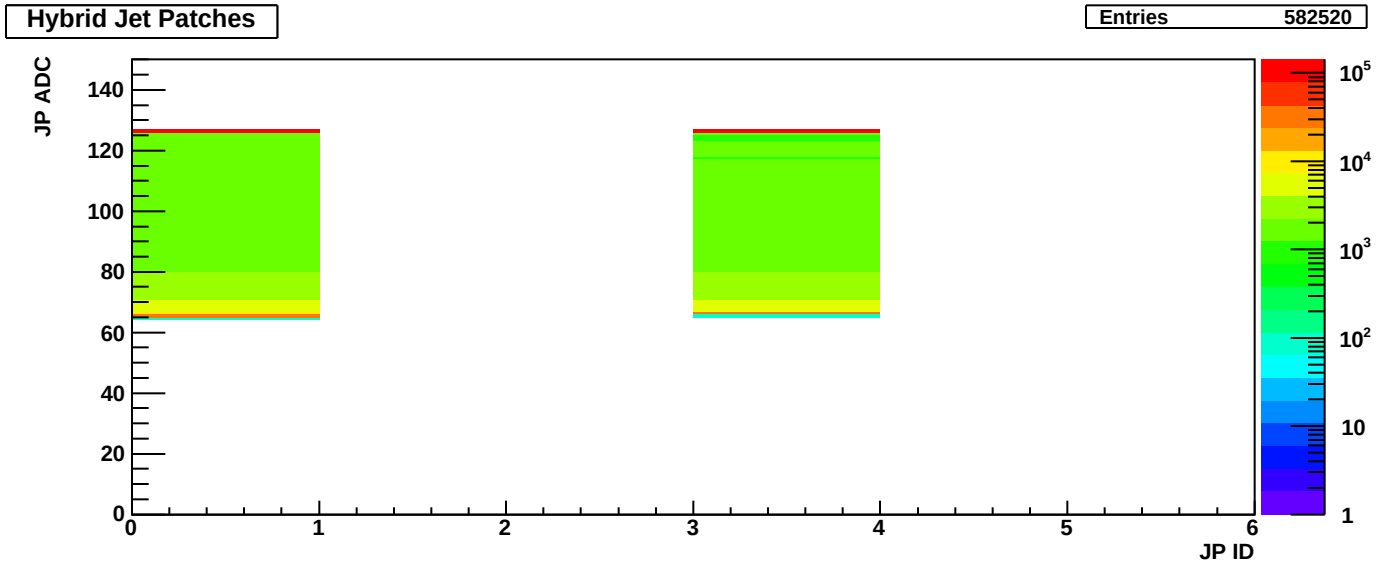

Barrel EMC L0 Input - High Tower
Entries 8.7378e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

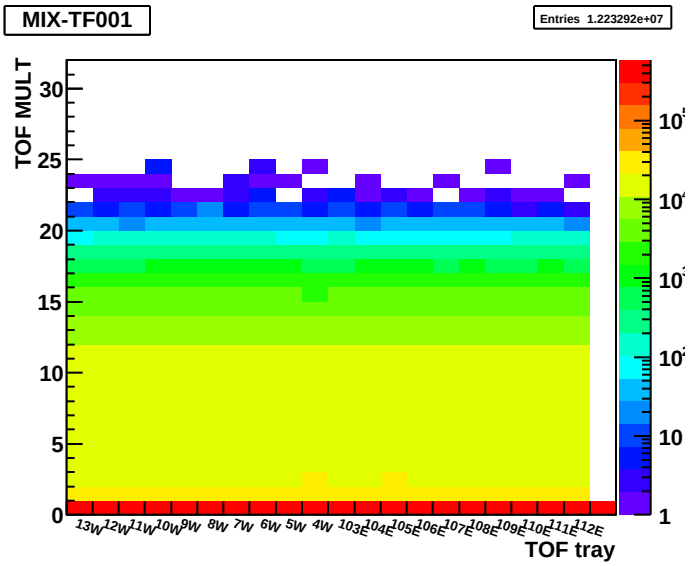

Barrel EMC L0 Input - Patch Sum
Entries 8.7378e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

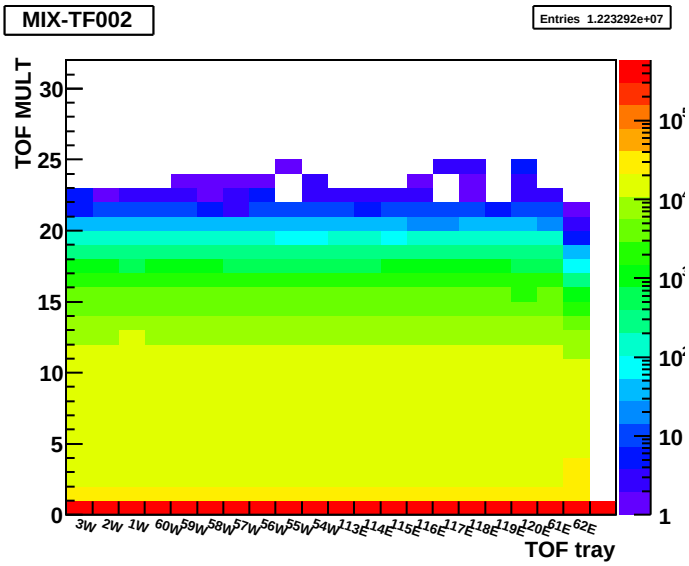

Endcap EMC L0 Input - High Tower
Entries 2.62134e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

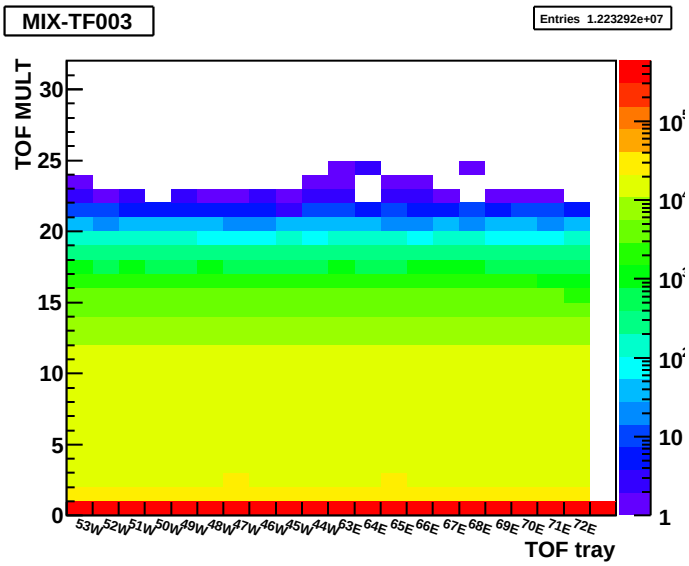

Endcap EMC L0 Input - Patch Sum
Entries 2.62134e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

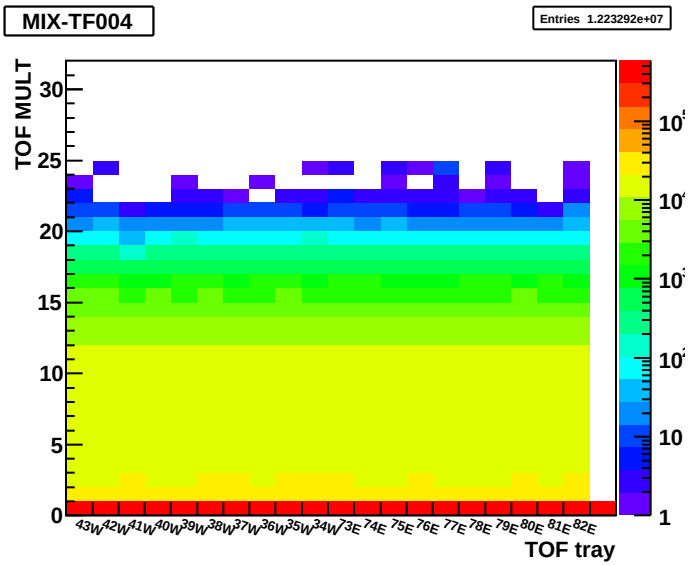

Barrel Jet Patches
Entries 5242680
JP ADC
JP ID

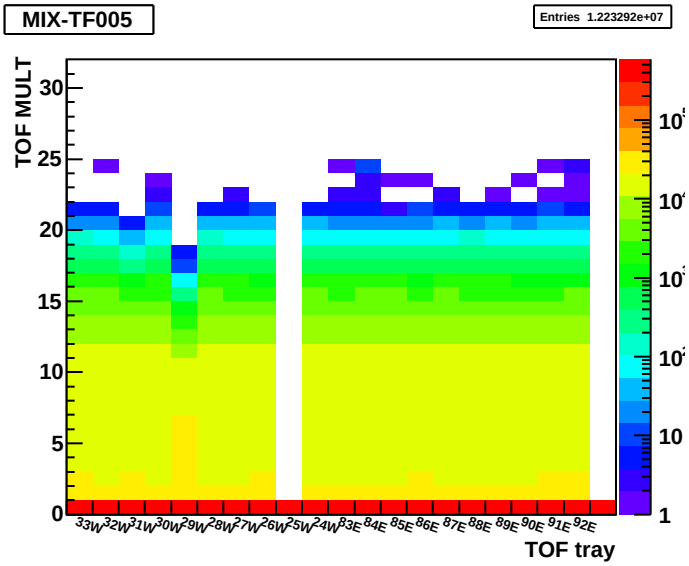

Hybrid Jet Patches
Entries 582520
JP ADC
JP ID

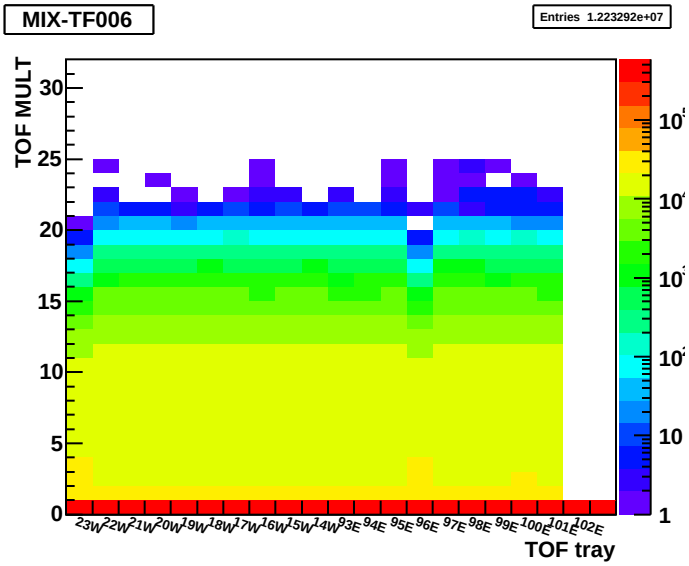

MIX-TF001
Entries 1.223292e+07
TOF MULT
TOF tray

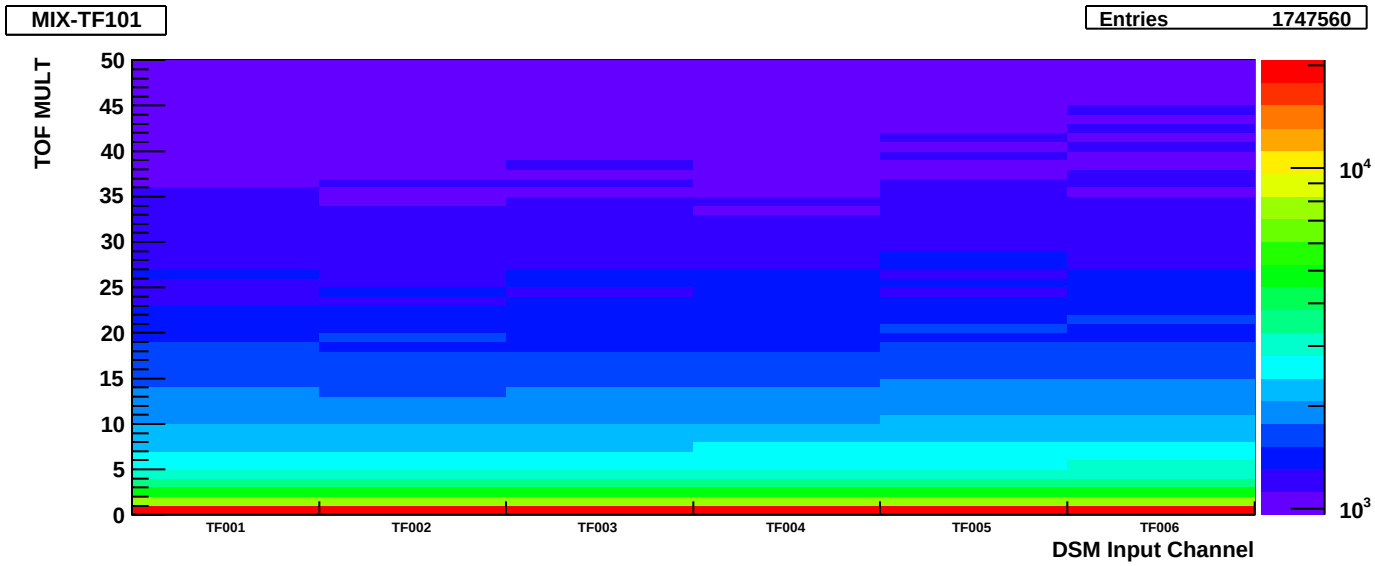

MIX-TF002
Entries 1.223292e+07
TOF MULT
TOF tray

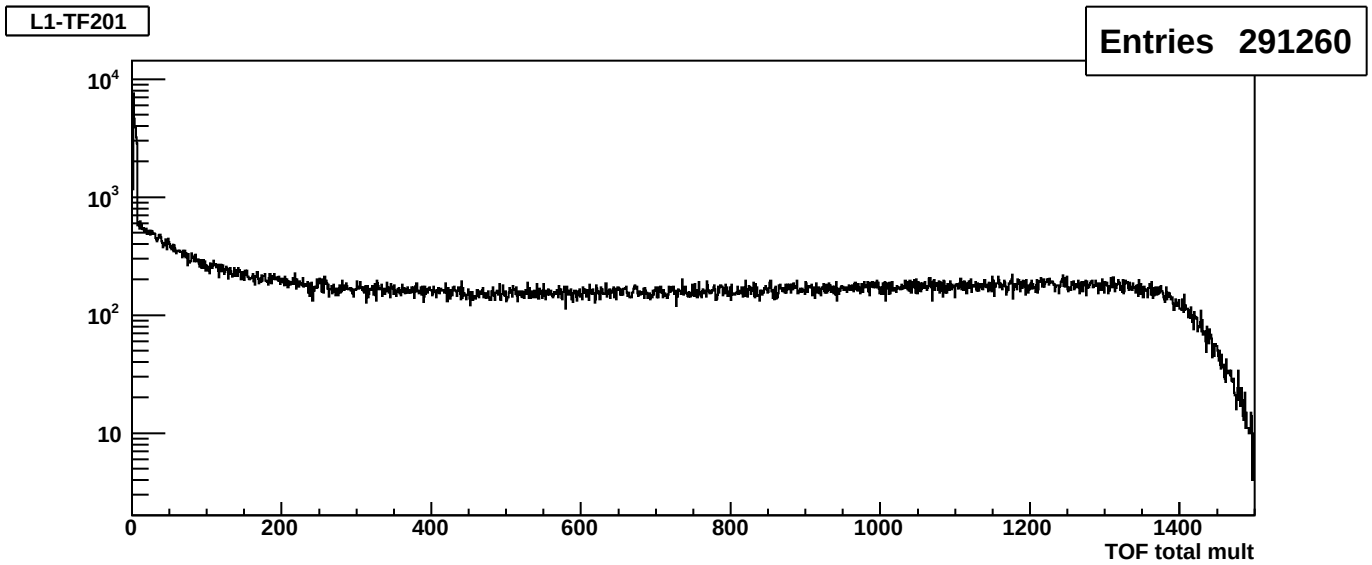

MIX-TF003
Entries 1.223292e+07
TOF MULT
TOF tray

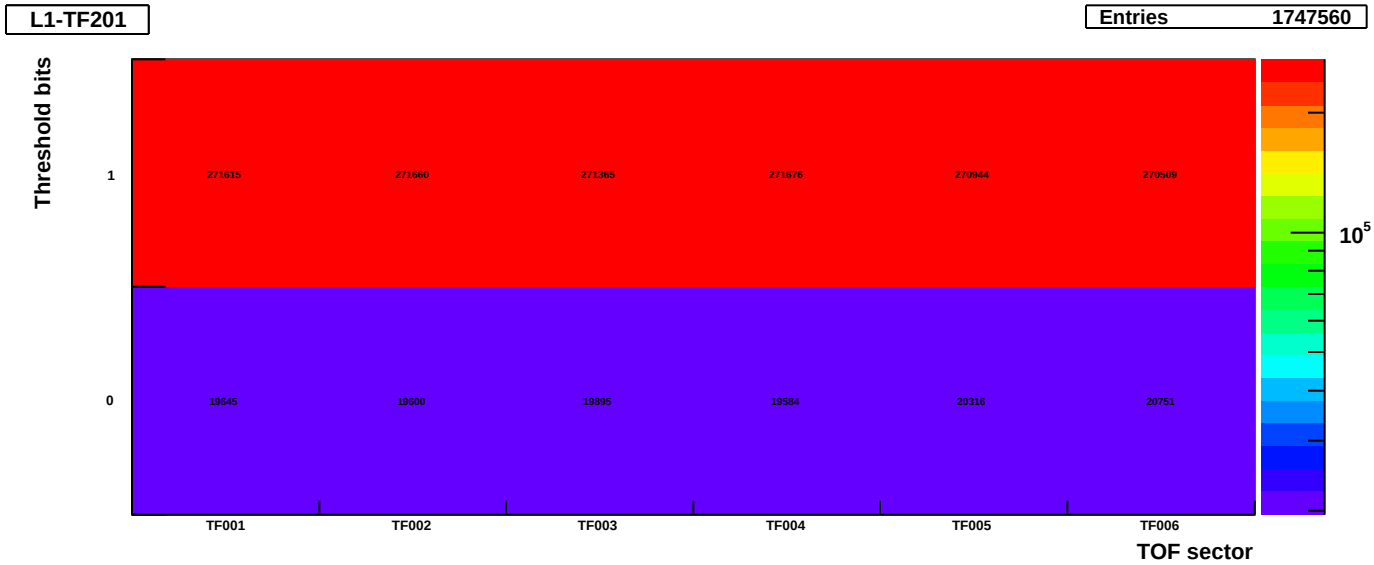

MIX-TF004
Entries 1.223292e+07
TOF MULT
TOF tray

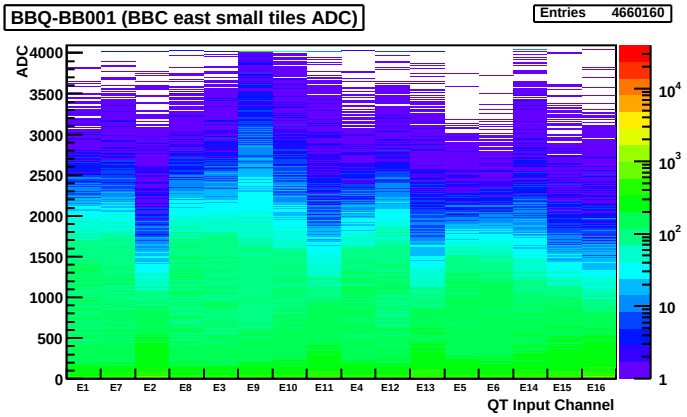

MIX-TF005
Entries 1.223292e+07
TOF MULT
TOF tray

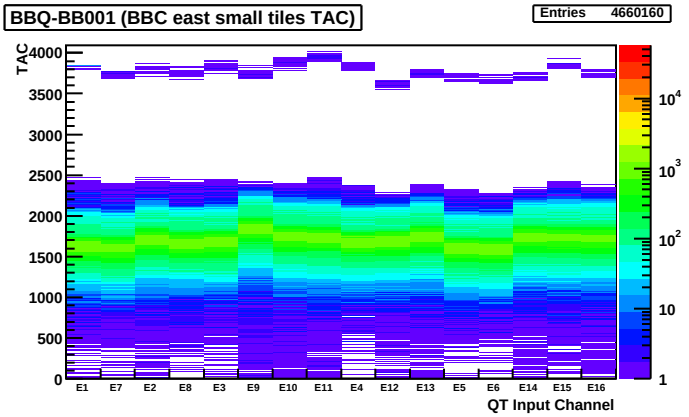

MIX-TF006
Entries 1.223292e+07
TOF MULT
TOF tray

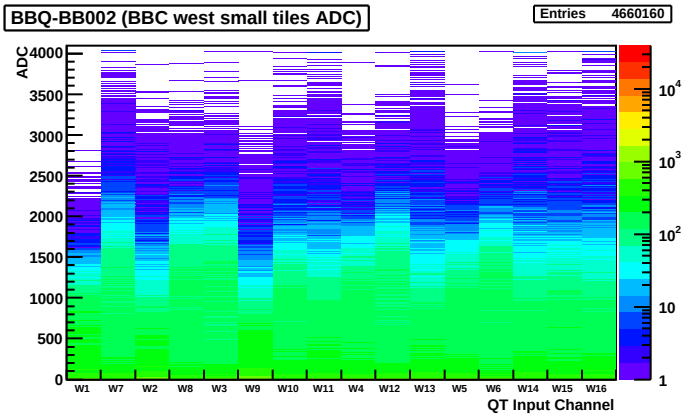

MIX-TF101
Entries 1747560
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3

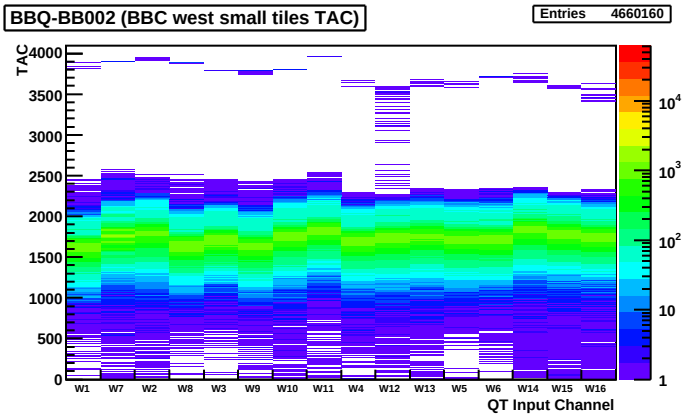

L1-TF201
Entries 291260
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

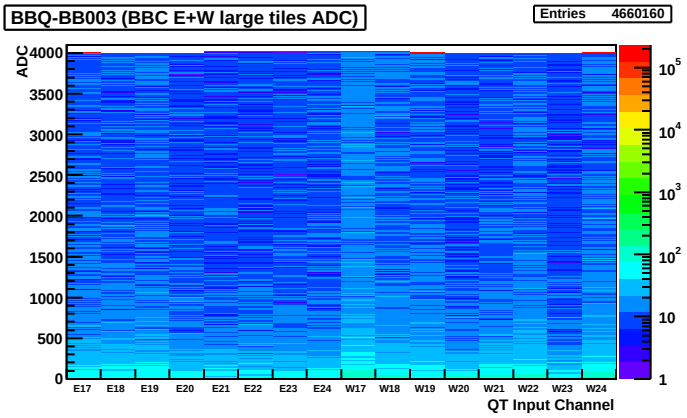

L1-TF201
Entries 1747560
Threshold bits
1
0
271615
271660
271365
271676
270944
270509
19645
19600
19895
19584
20316
20751
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

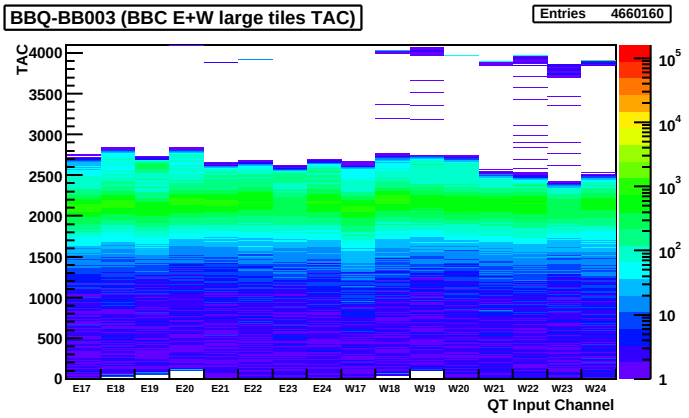

BBQ-BB001 (BBC east small tiles ADC)
Entries 4660160
ADC
QT Input Channel

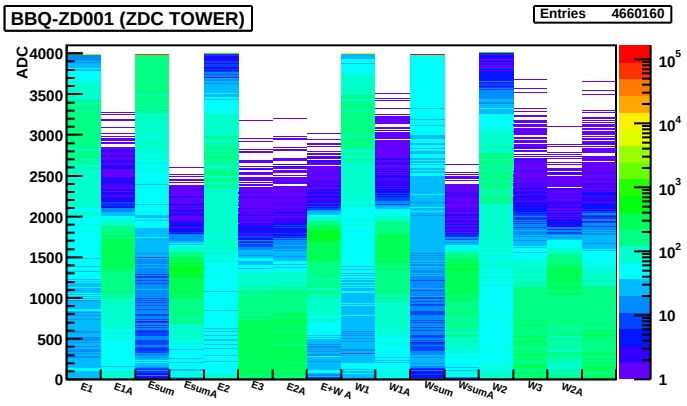

BBQ-BB001 (BBC east small tiles TAC)
Entries 4660160
TAC
QT Input Channel

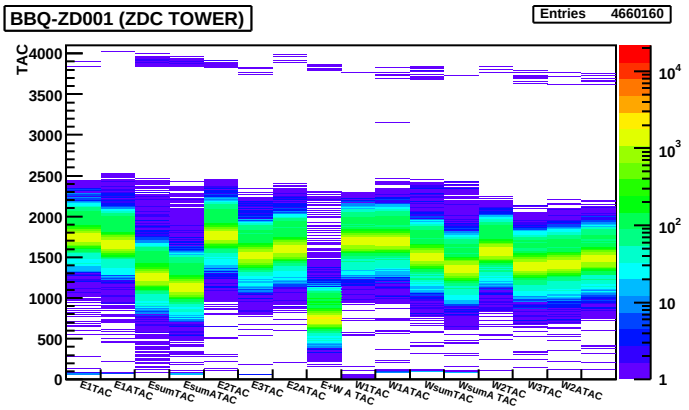

BBQ-BB002 (BBC west small tiles ADC)
Entries 4660160
ADC
QT Input Channel

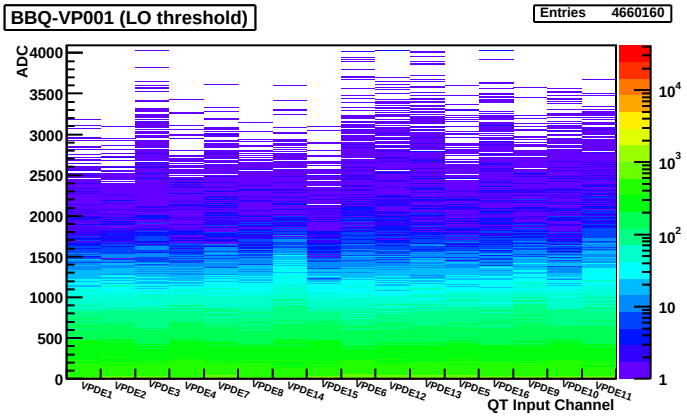

BBQ-BB002 (BBC west small tiles TAC)
Entries 4660160
TAC
QT Input Channel

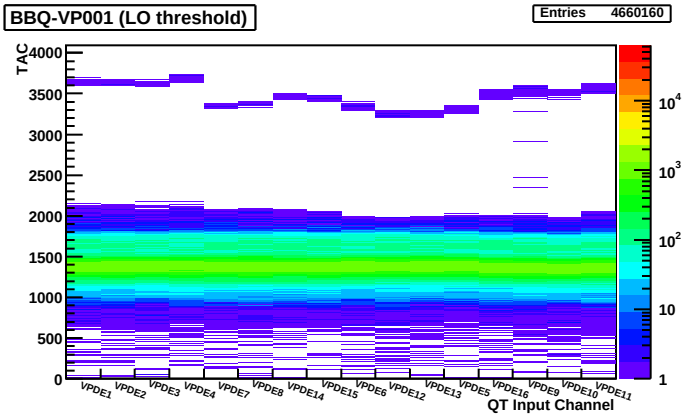

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 4660160
ADC
QT Input Channel

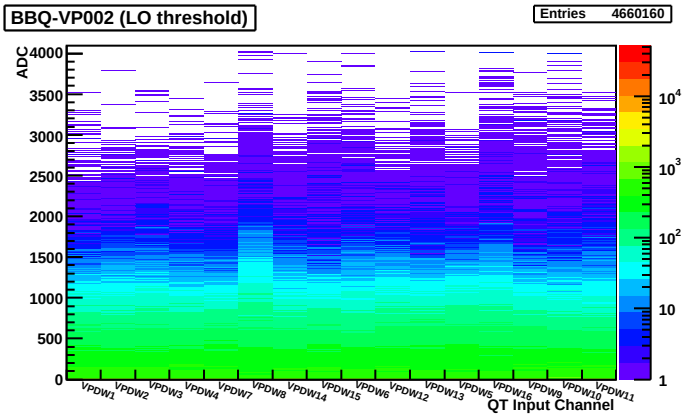

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 4660160
TAC
QT Input Channel

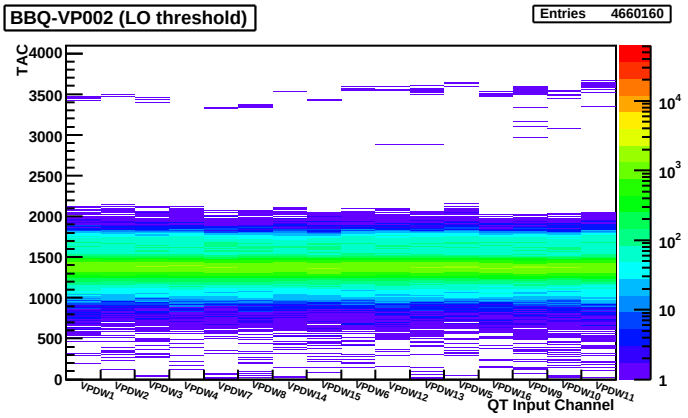

BBQ-ZD001 (ZDC TOWER)
Entries 4660160
ADC

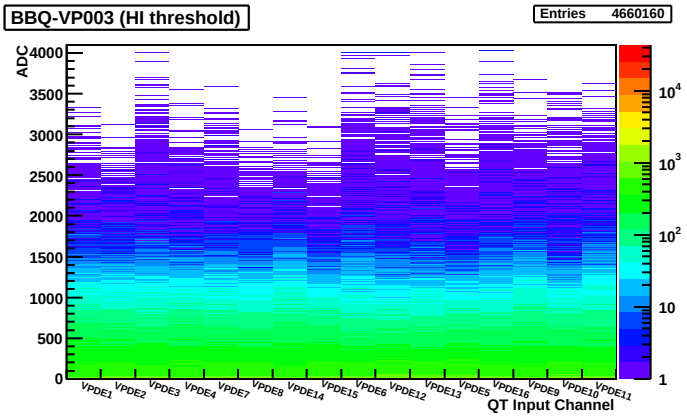

BBQ-ZD001 (ZDC TOWER)
Entries 4660160
TAC

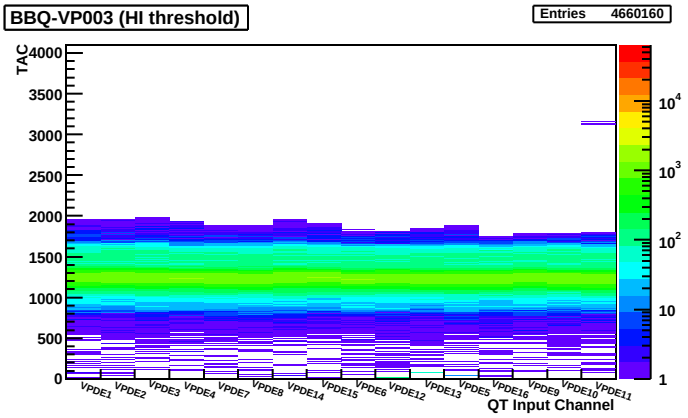

BBQ-VP001 (LO threshold)
Entries 4660160
ADC
QT Input Channel

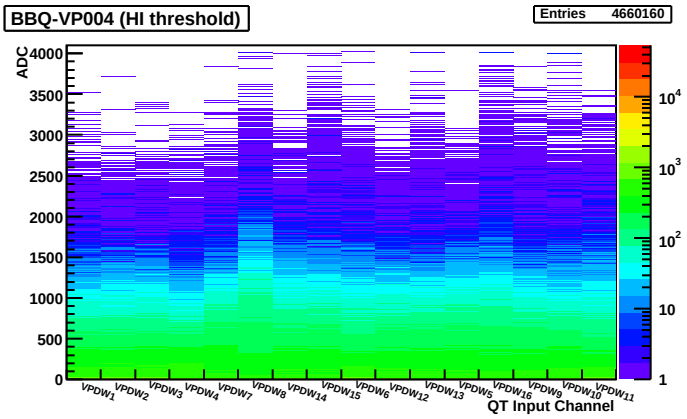

BBQ-VP001 (LO threshold)
Entries 4660160
TAC
QT Input Channel

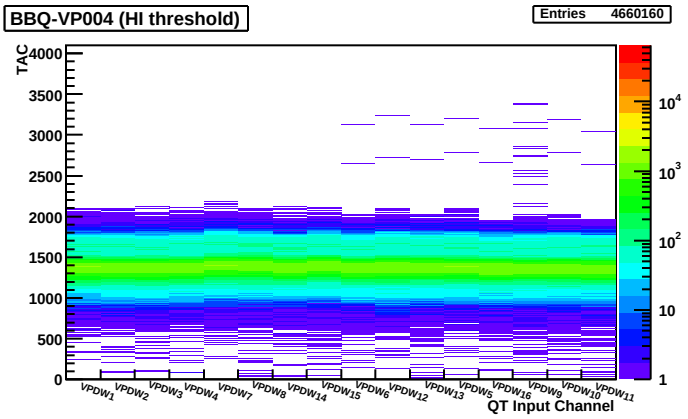

BBQ-VP002 (LO threshold)
Entries 4660160
ADC
QT Input Channel

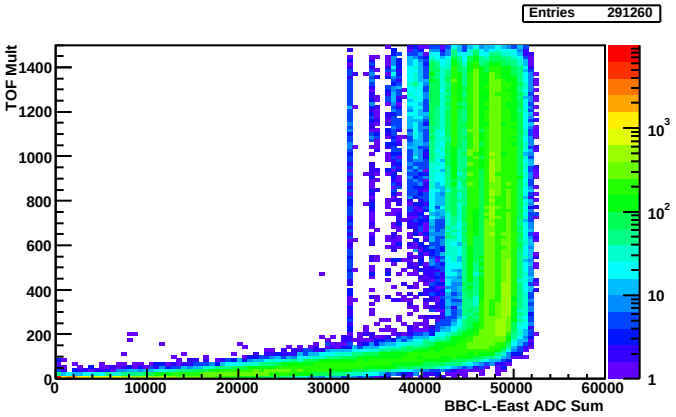

BBQ-VP002 (LO threshold)
Entries 4660160
TAC
QT Input Channel

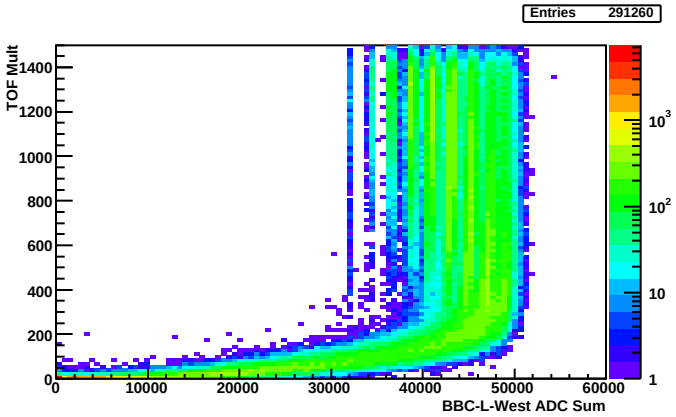

BBQ-VP003 (HI threshold)
Entries 4660160
ADC
QT Input Channel

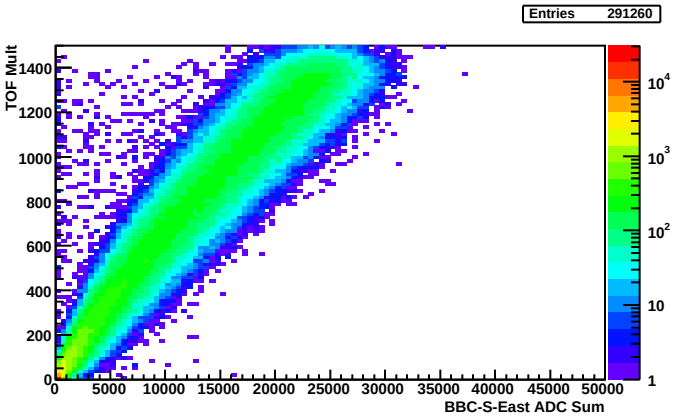

BBQ-VP003 (HI threshold)
Entries 4660160
TAC
QT Input Channel

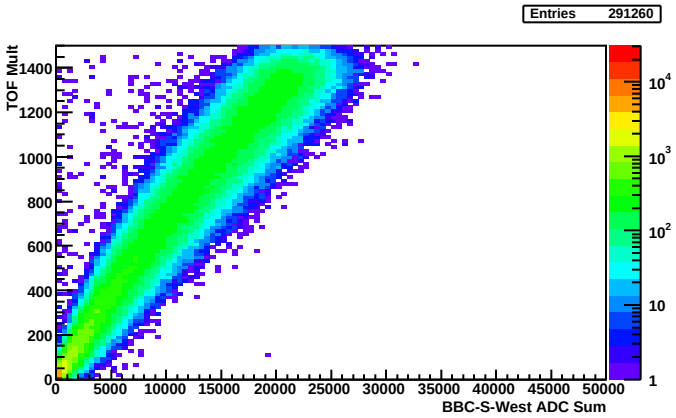

BBQ-VP004 (HI threshold)
Entries 4660160
ADC
QT Input Channel

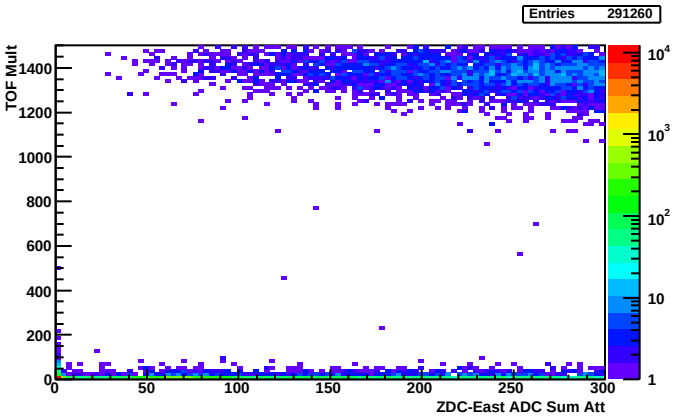

BBQ-VP004 (HI threshold)
Entries 4660160
TAC
QT Input Channel

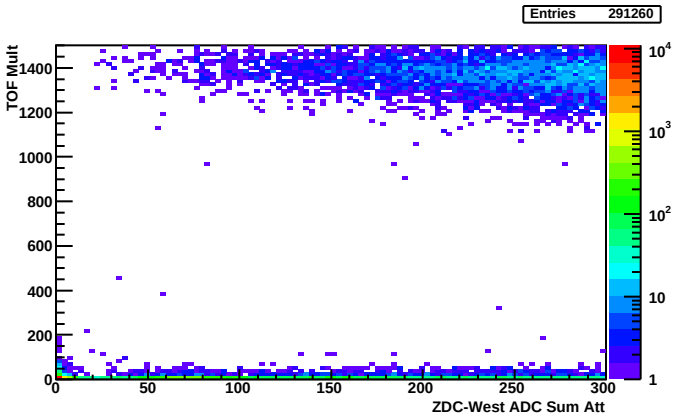

Entries 291260
TOF Mult
BBC-L-East ADC Sum

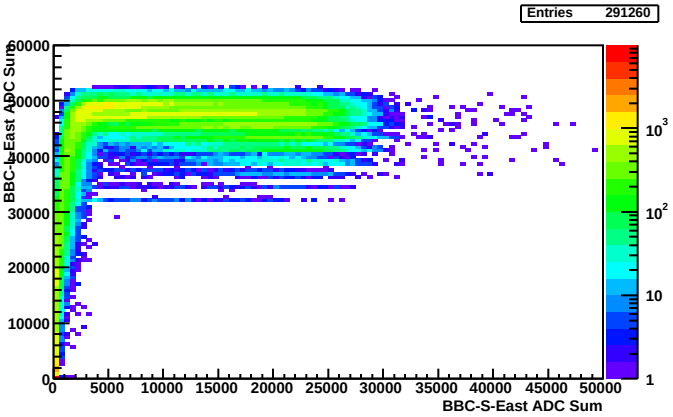

Entries 291260
TOF Mult
BBC-L-West ADC Sum

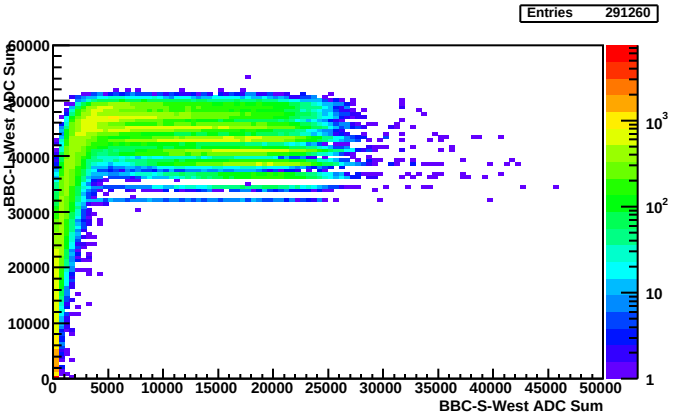

Entries 291260
TOF Mult
BBC-S-East ADC Sum

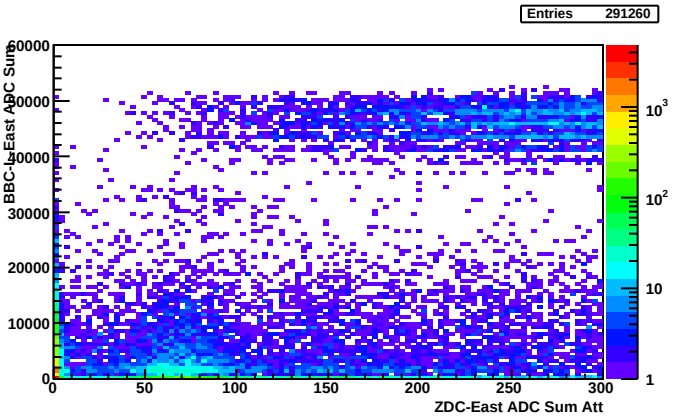

Entries 291260
TOF Mult
BBC-S-West ADC Sum

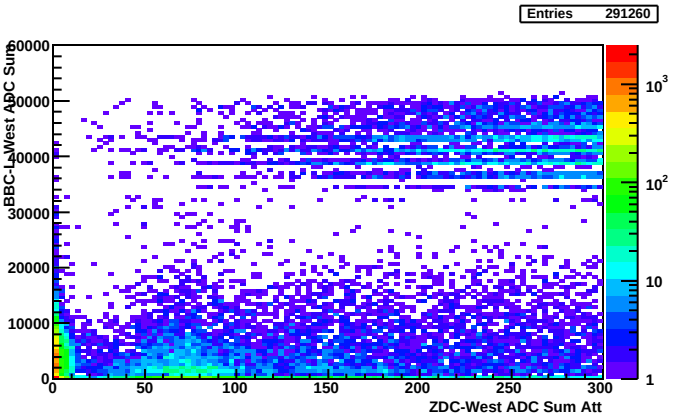

Entries 291260
TOF Mult
ZDC-East ADC Sum Att


Entries 291260
TOF Mult
ZDC-West ADC Sum Att


Entries 291260
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 291260
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 291260
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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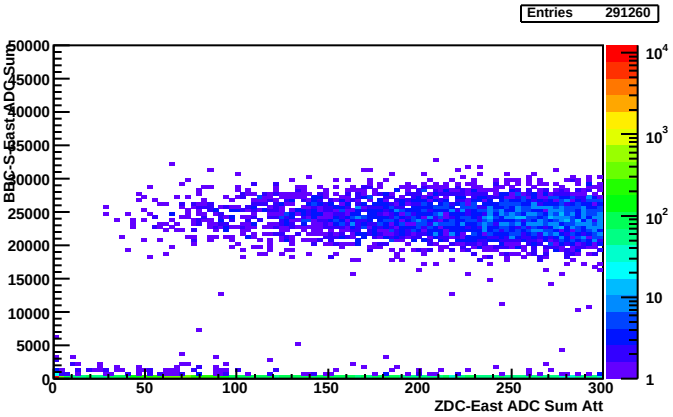
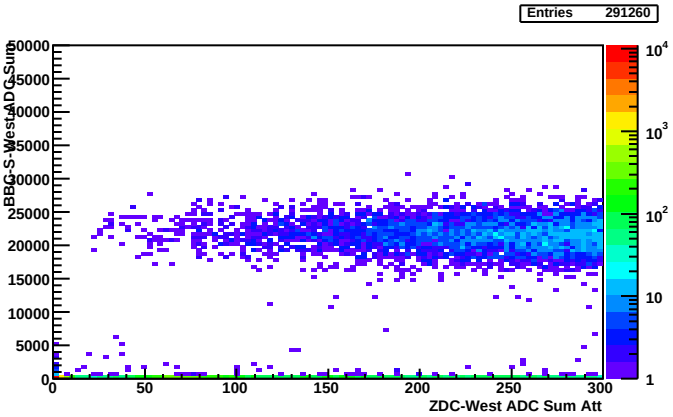
BBC-L-West ADC Sum
ZDC-West ADC Sum Att


Entries 291260
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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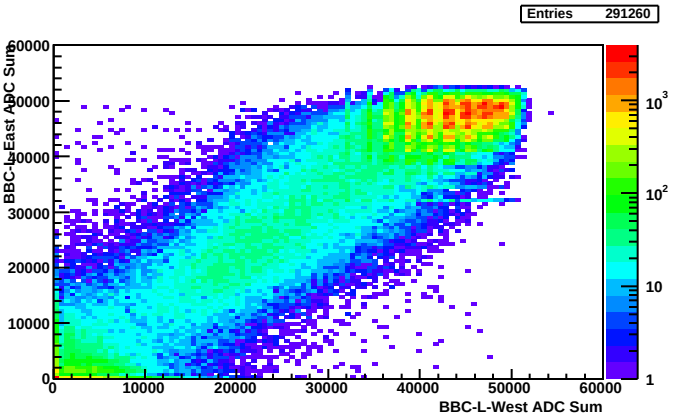
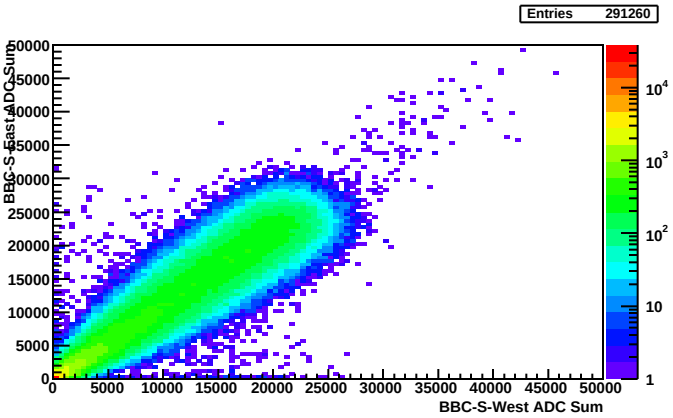
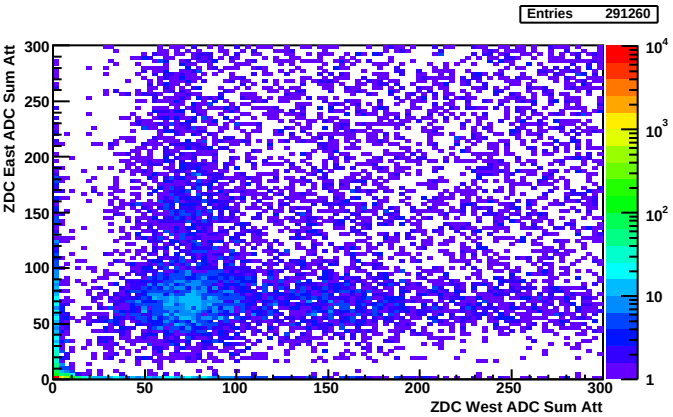
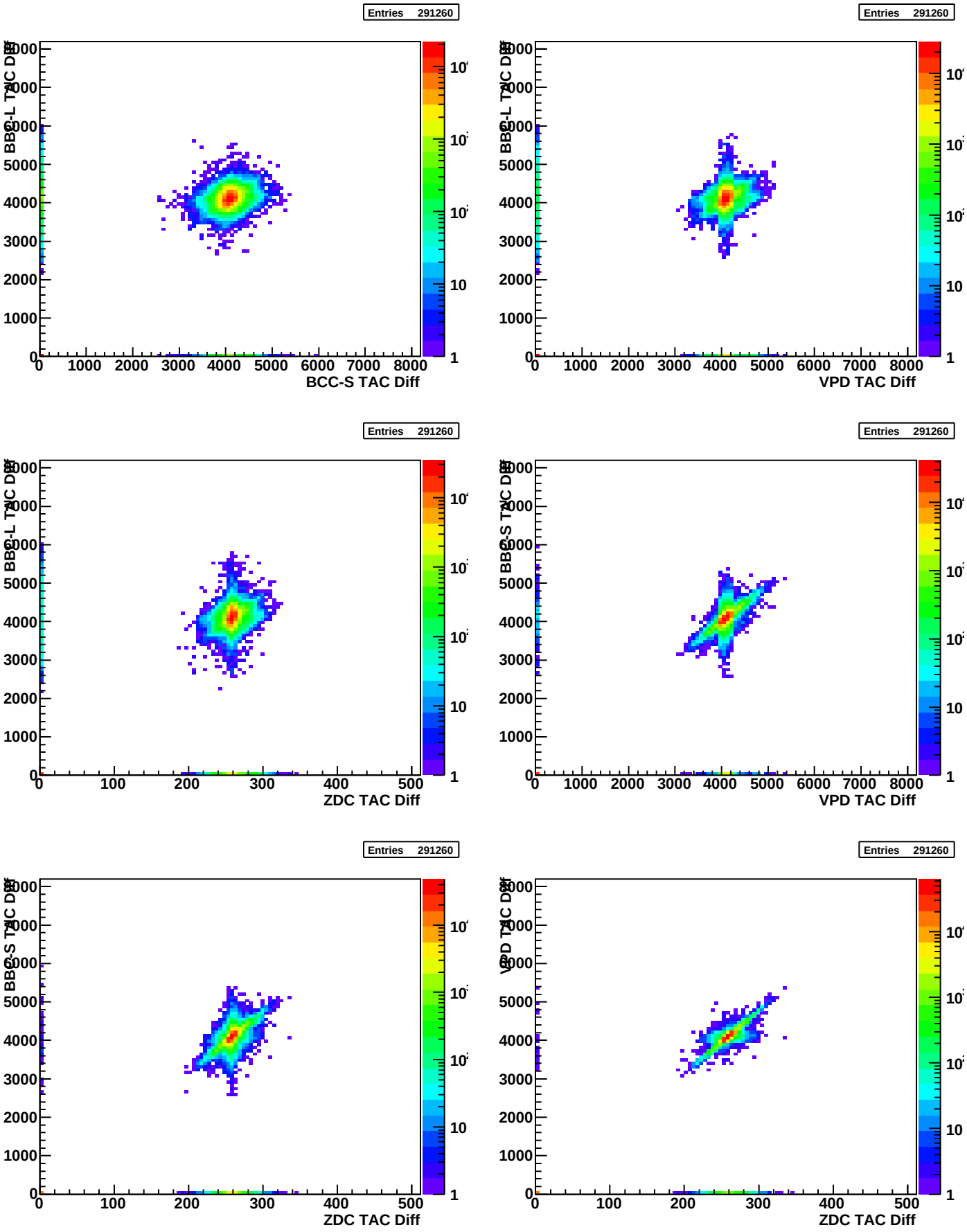
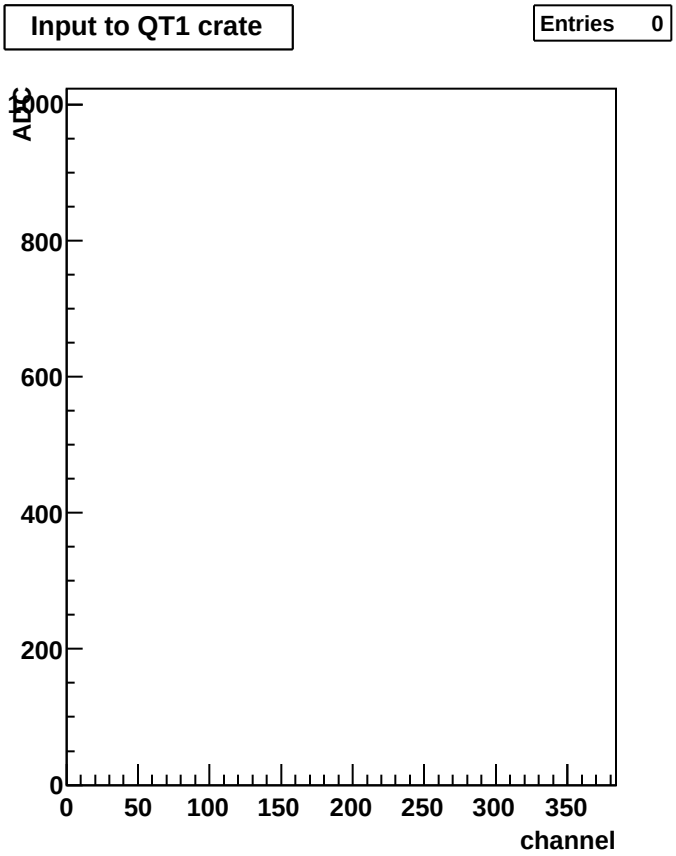
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

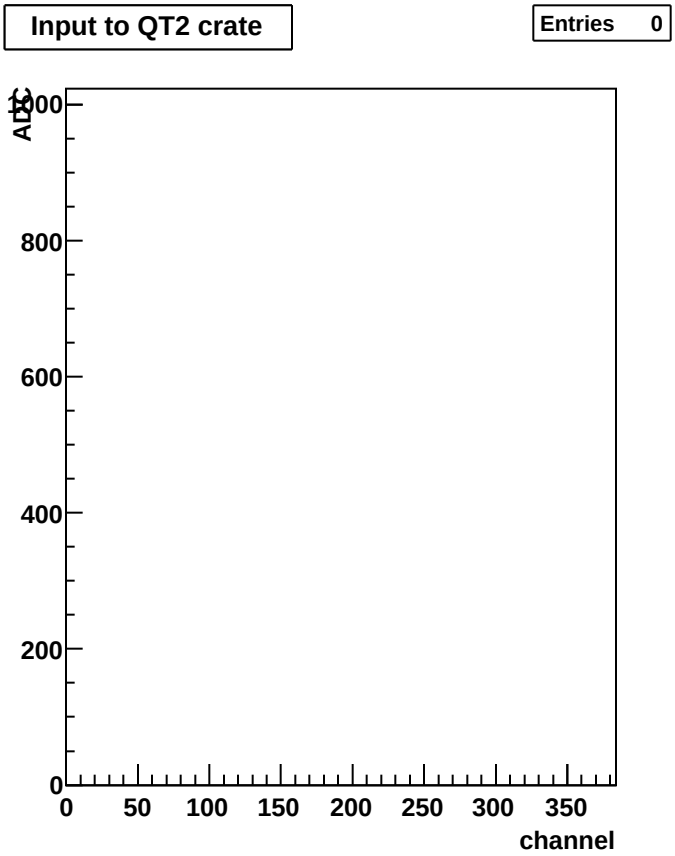

Entries 291260
BBC-L-East ADC Sum
BBC-L-West ADC Sum

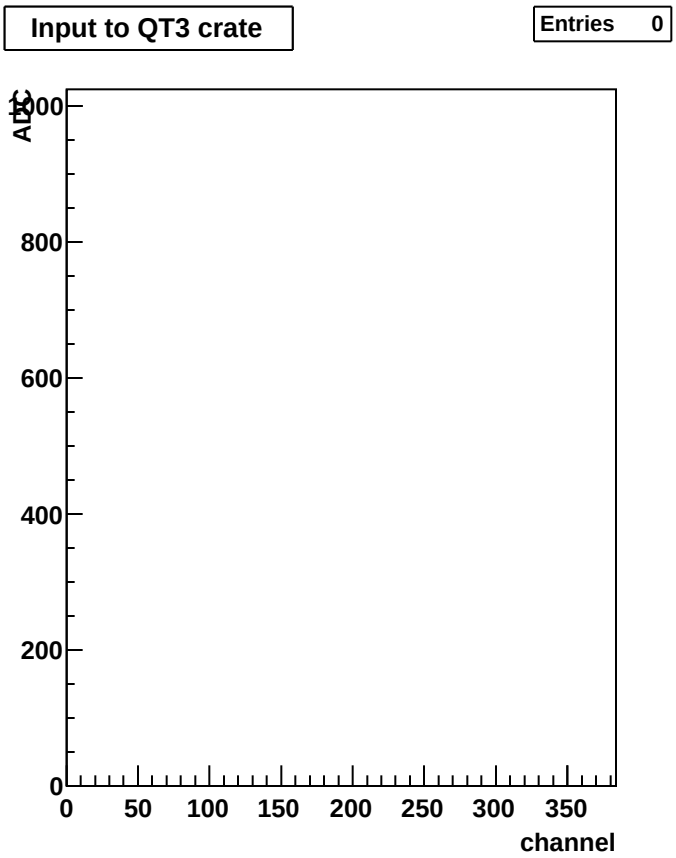

Entries 291260
BBC-S-East ADC Sum
BBC-S-West ADC Sum

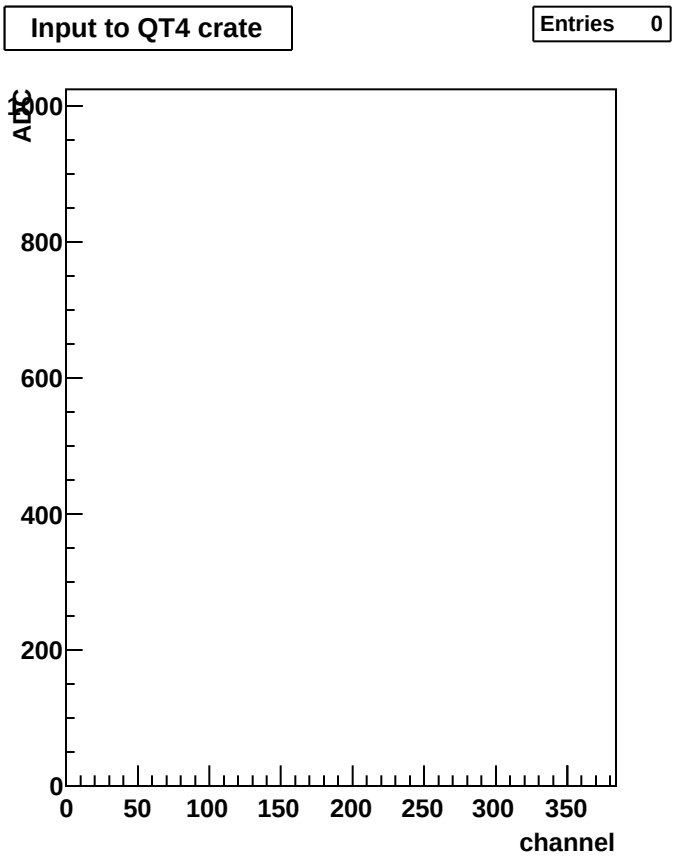

Entries 291260
ZDC East ADC Sum Att
ZDC West ADC Sum Att

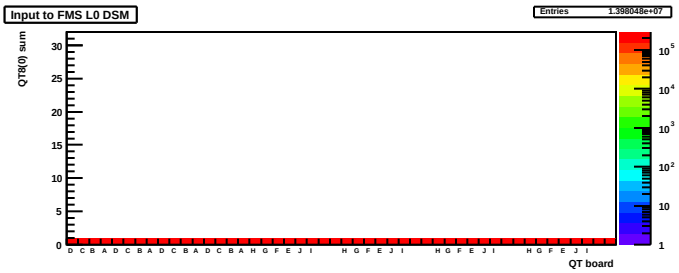

Entries 291260
BBC-L TAC Diff
BCC-S TAC Diff
Entries 291260
BBC-L TAC Diff
VPD TAC Diff
Entries 291260
BBC-L TAC Diff
ZDC TAC Diff
Entries 291260
BBC-S TAC Diff
VPD TAC Diff
Entries 291260
BBC-S TAC Diff
ZDC TAC Diff
Entries 291260
VPD TAC Diff
ZDC TAC Diff

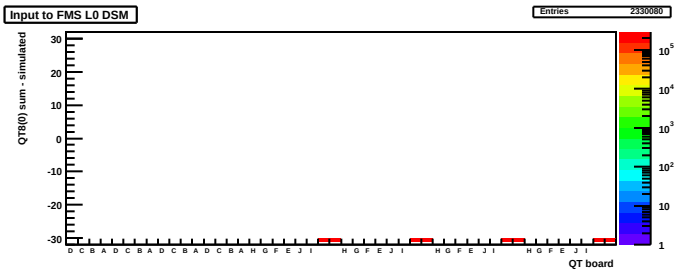

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

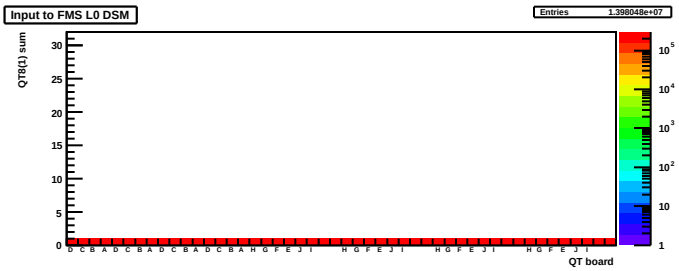

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

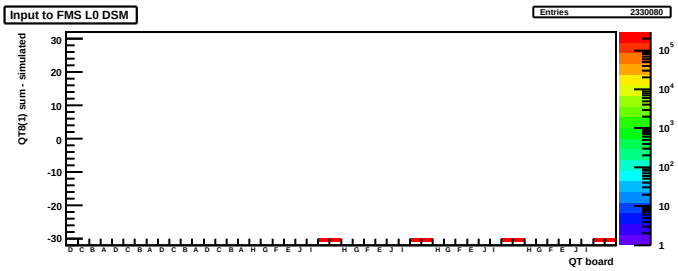

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

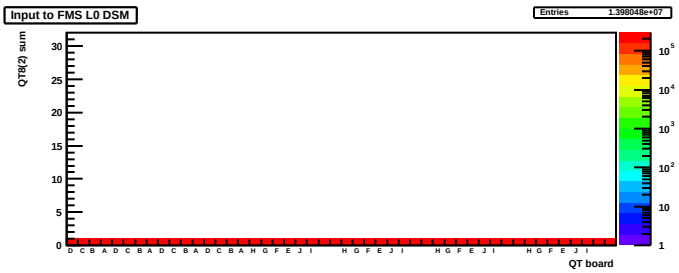

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

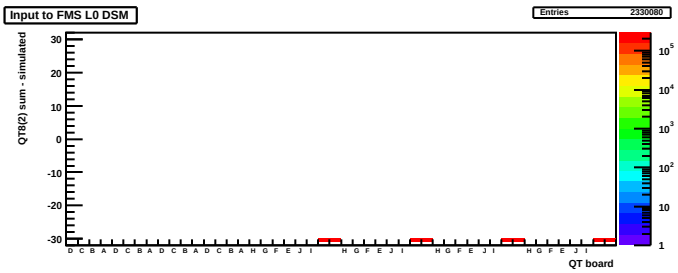

Input to FMS L0 DSM
Entries 1.398048e+07
QT8(0) sum
QT board

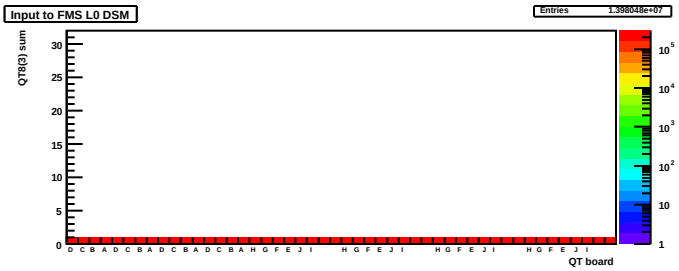

Input to FMS L0 DSM
Entries 2330080
QT8(0) sum - simulated
QT board

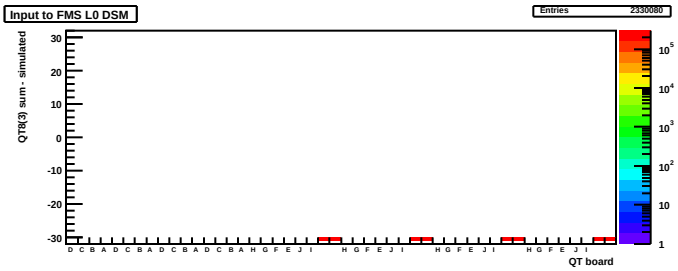

Input to FMS L0 DSM
Entries 1.398048e+07
QT8(1) sum
QT board

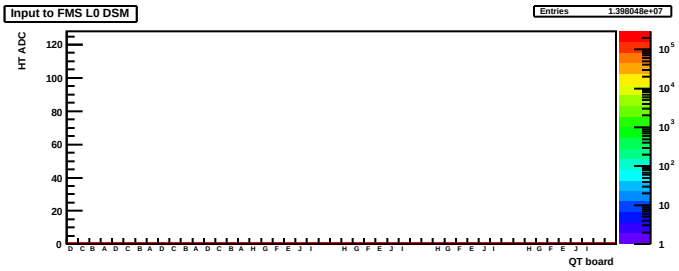

Input to FMS L0 DSM
Entries 2330080
QT8(1) sum - simulated
QT board

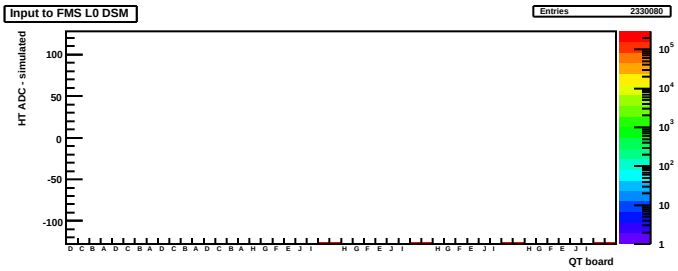

Input to FMS L0 DSM
Entries 1.398048e+07
QT8(2) sum
QT board

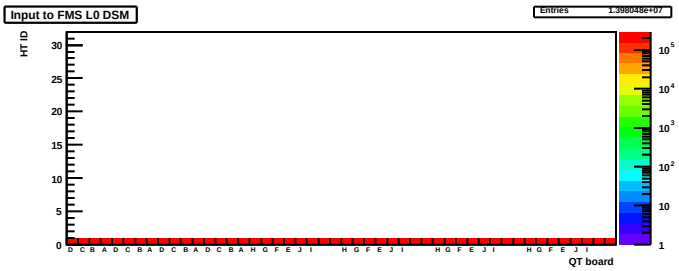

Input to FMS L0 DSM
Entries 2330080
QT8(2) sum - simulated
QT board

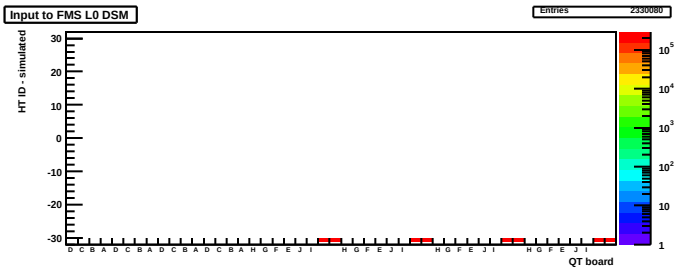

Input to FMS L0 DSM
Entries 1.398048e+07
QT8(3) sum
QT board

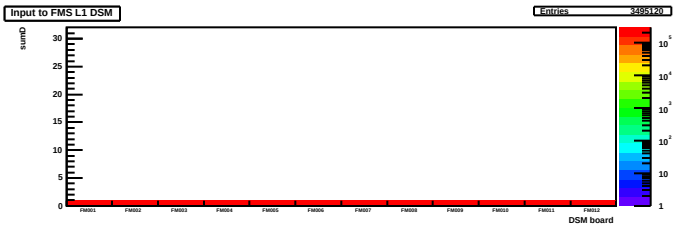

Input to FMS L0 DSM
Entries 2330080
QT8(3) sum - simulated
QT board

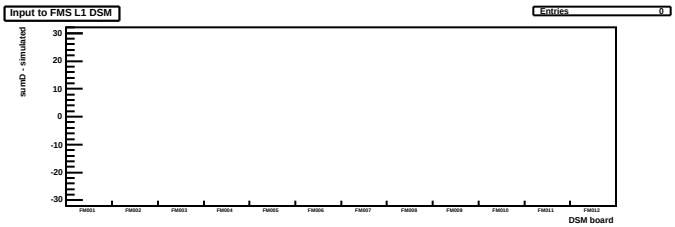

Input to FMS L0 DSM
Entries 1.398048e+07
HT ADC
QT board

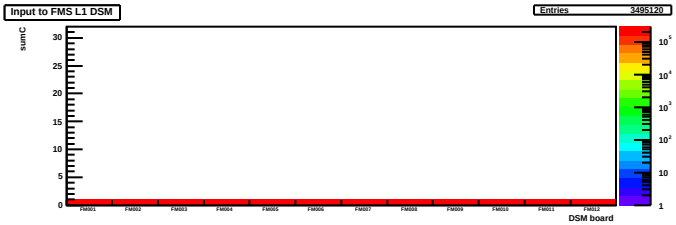

Input to FMS L0 DSM
Entries 2330080
HT ADC - simulated
QT board

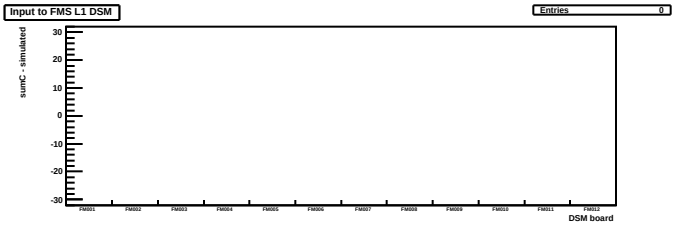

Input to FMS L0 DSM
Entries 1.398048e+07
HT ID
QT board

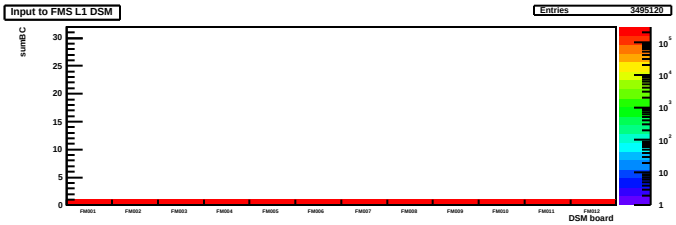

Input to FMS L0 DSM
Entries 2330080
HT ID - simulated
QT board

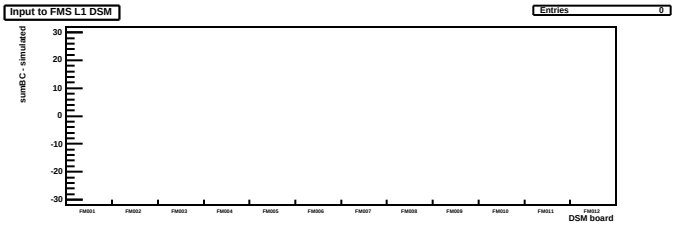

Input to FMS L1 DSM
Entries 3495120
sumD
DSM board

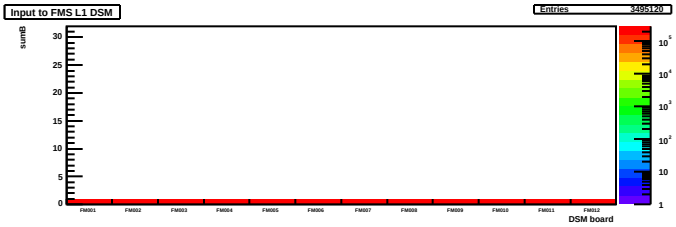

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

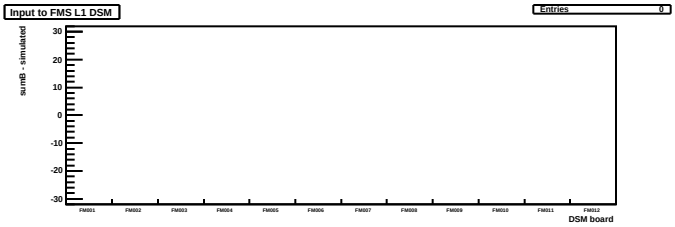

Input to FMS L1 DSM
Entries 3495120
sumC
DSM board

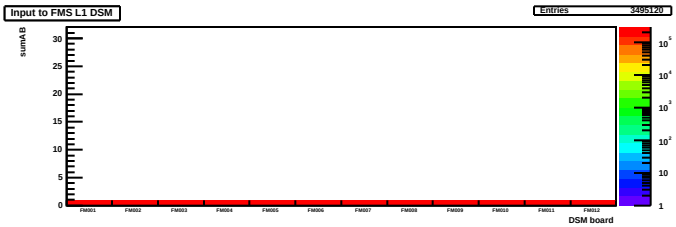

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

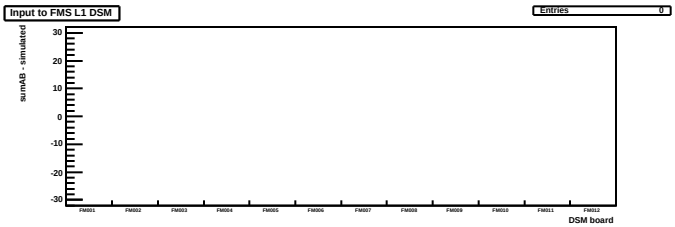

Input to FMS L1 DSM
Entries 3495120
sumBC
DSM board

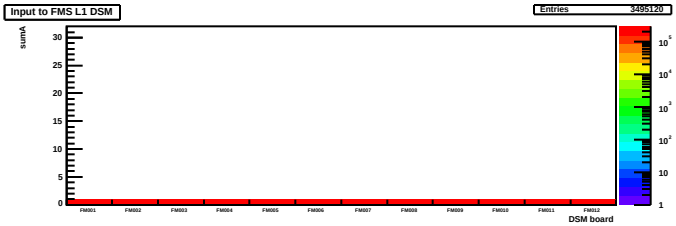

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

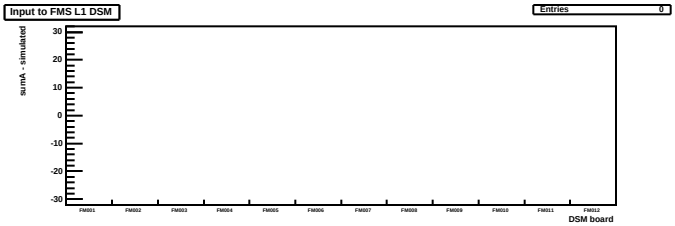

Input to FMS L1 DSM
Entries 3495120
sumB
DSM board

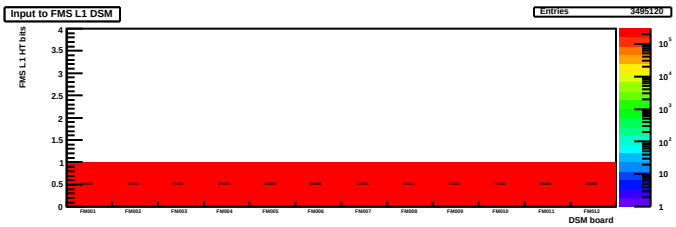

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

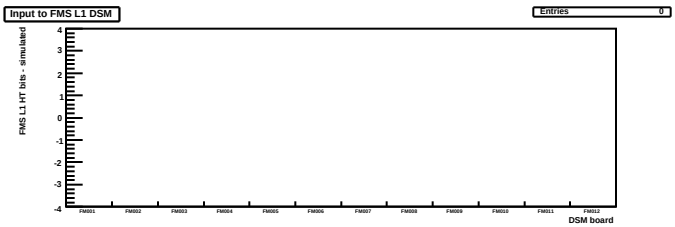

Input to FMS L1 DSM
Entries 3495120
sumAB
DSM board

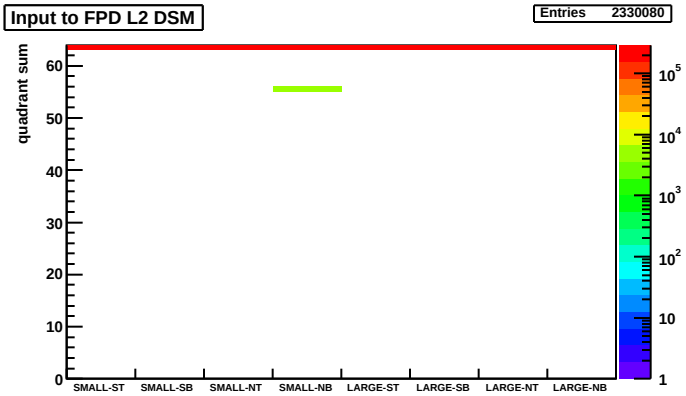

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

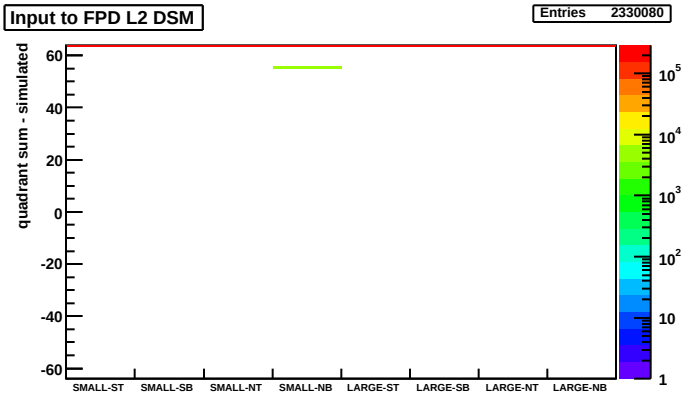

Input to FMS L1 DSM
Entries 3495120
sumA
DSM board

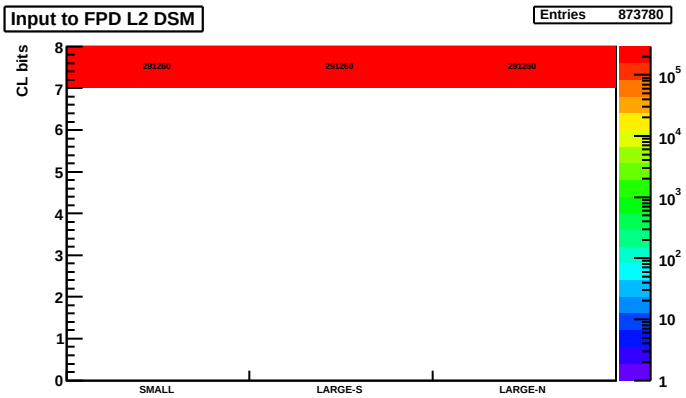

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

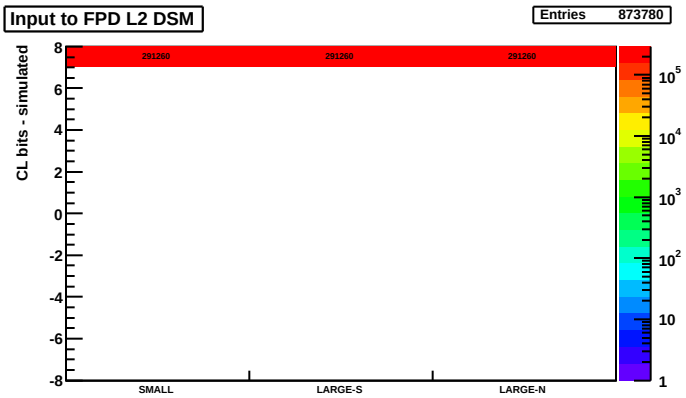

Input to FMS L1 DSM
Entries 3495120
FMS L1 HT bits
DSM board

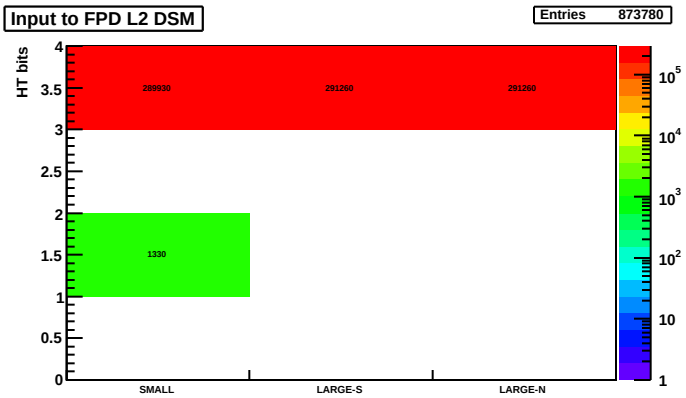

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

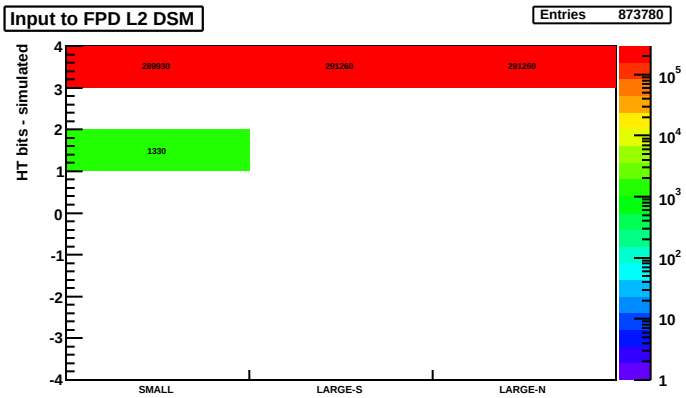

Input to FPD L2 DSM
Entries 2330080
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

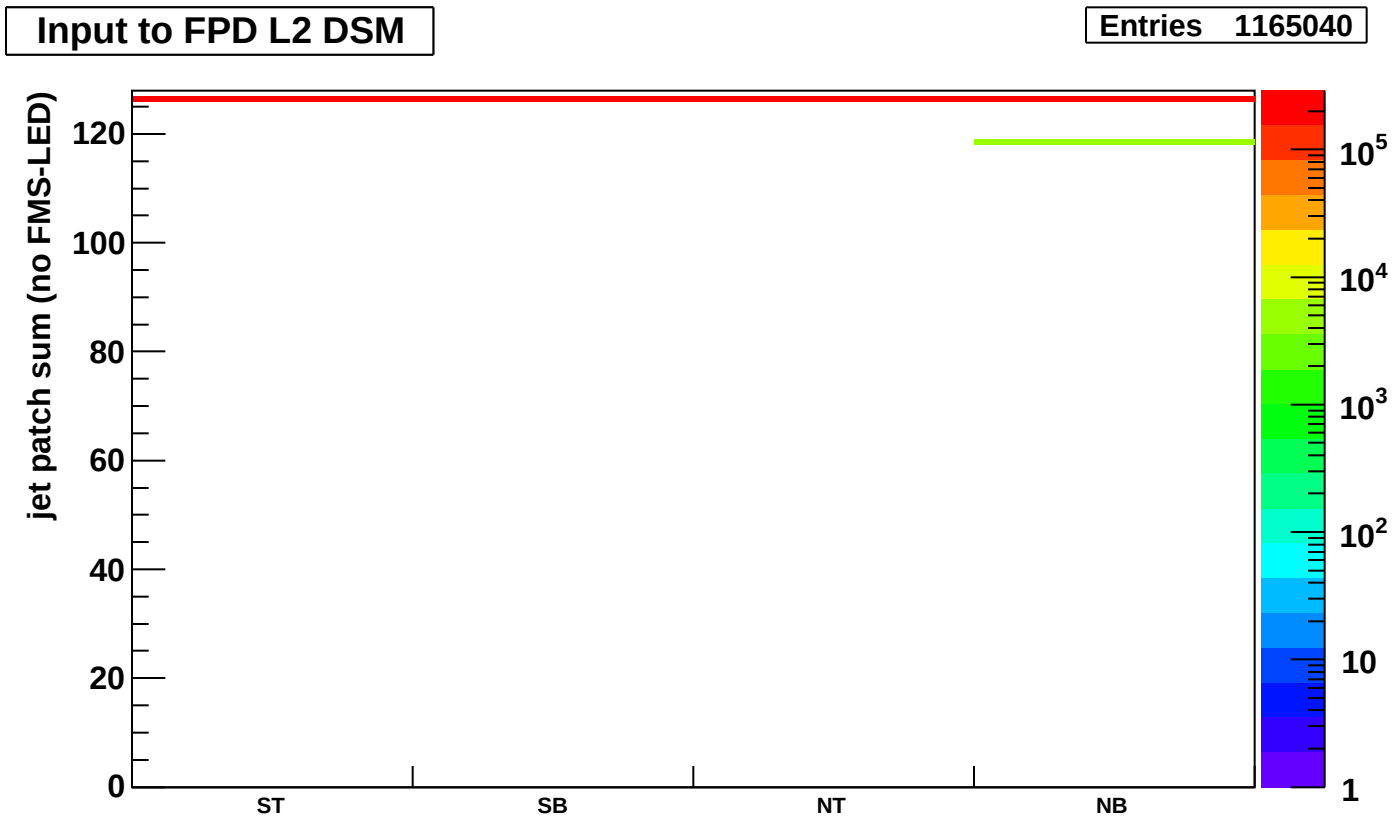

Input to FPD L2 DSM
Entries 2330080
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

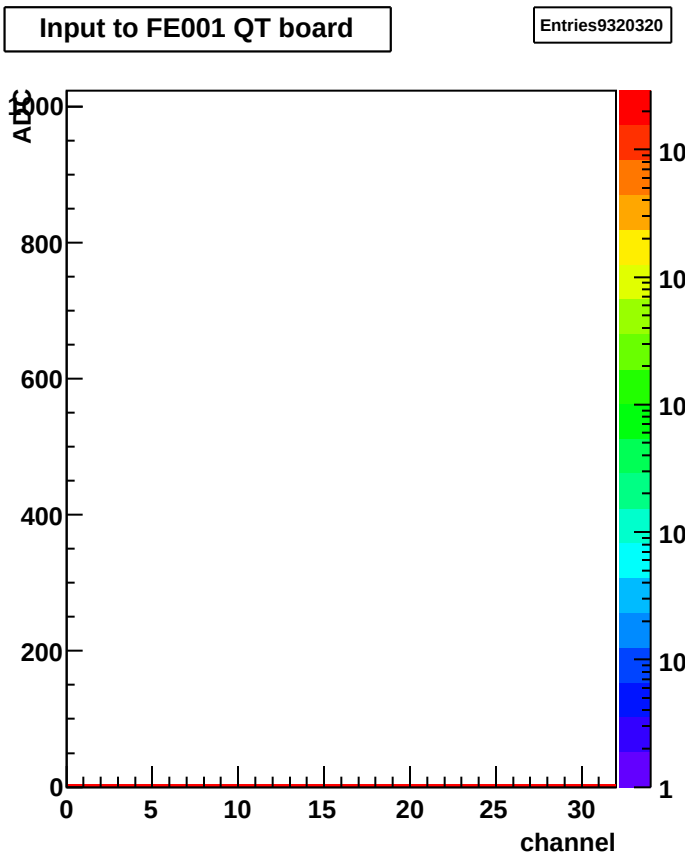

Input to FPD L2 DSM
Entries 873780
CL bits
291260
291260
291260
SMALL
LARGE-S
LARGE-N

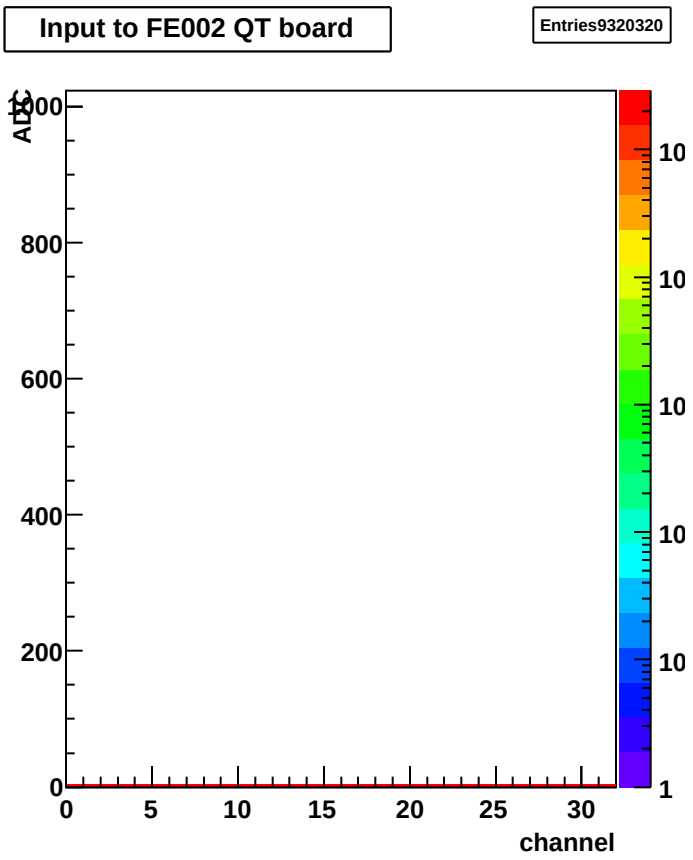

Input to FPD L2 DSM
Entries 873780
CL bits - simulated
291260
291260
291260
SMALL
LARGE-S
LARGE-N

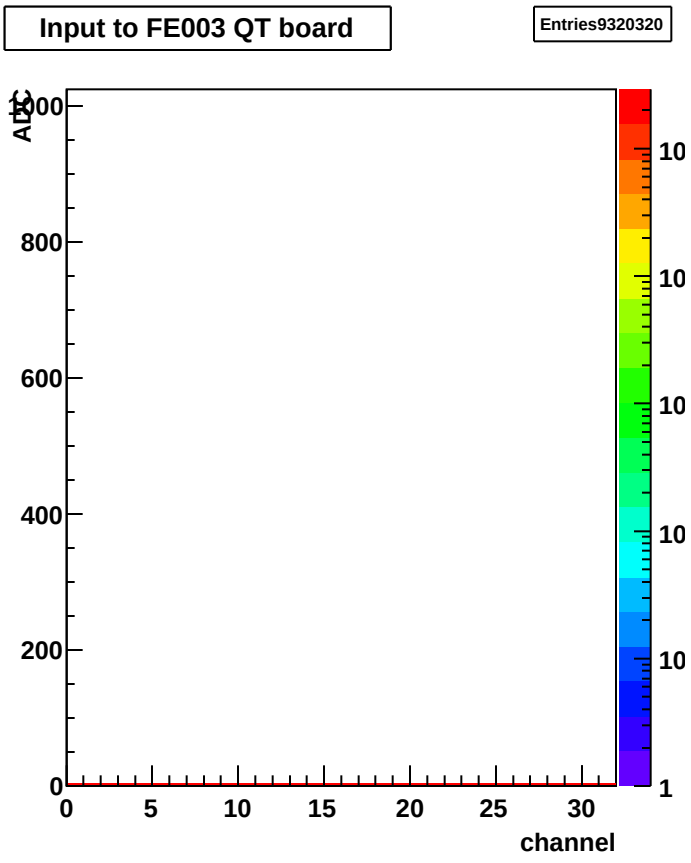

Input to FPD L2 DSM
Entries 873780
HT bits
289930
291260
291260
1330
SMALL
LARGE-S
LARGE-N

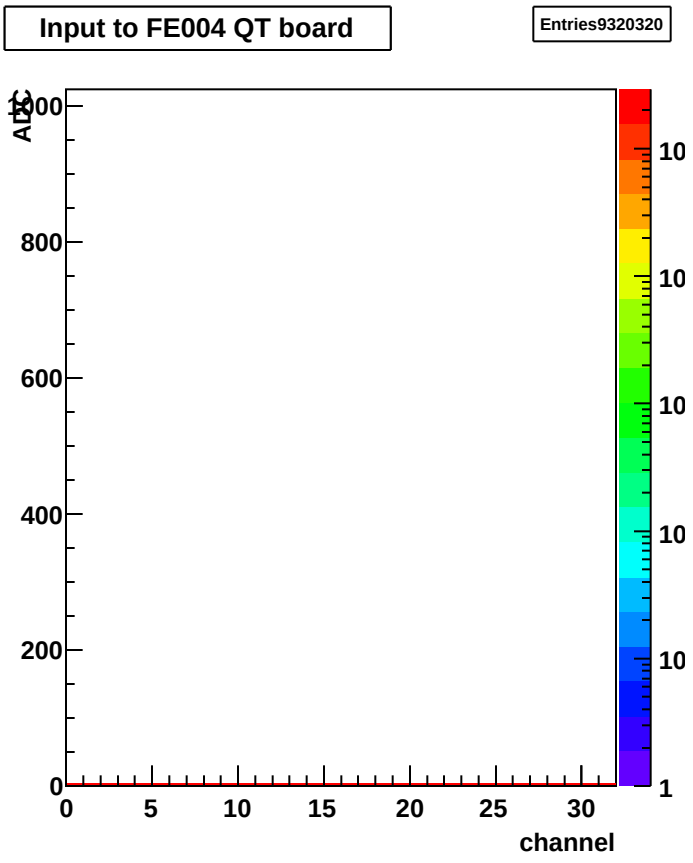

Input to FPD L2 DSM
Entries 873780
HT bits - simulated
289930
291260
291260
1330
SMALL
LARGE-S
LARGE-N


Input to FPD L2 DSM
Entries 1165040
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

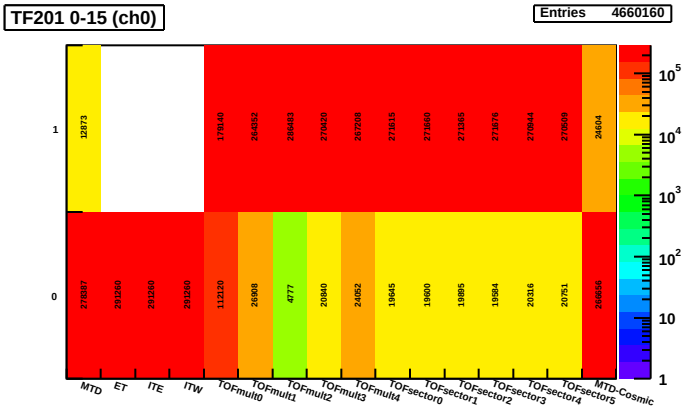

Input to FE001 QT board
Entries9320320
ADC
channel


Input to FE002 QT board
Entries9320320
ADC
channel

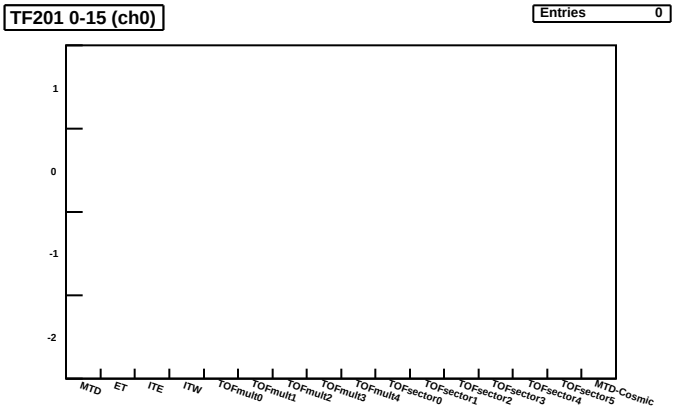

Input to FE003 QT board
Entries9320320
ADC
channel


Input to FE004 QT board
Entries9320320
ADC
channel

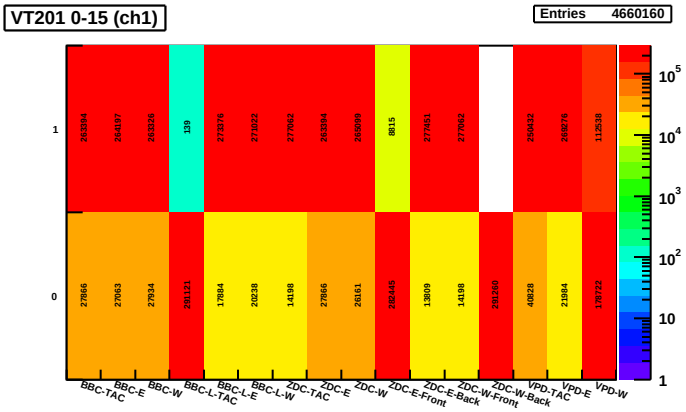
TF201 0-15 (ch0)



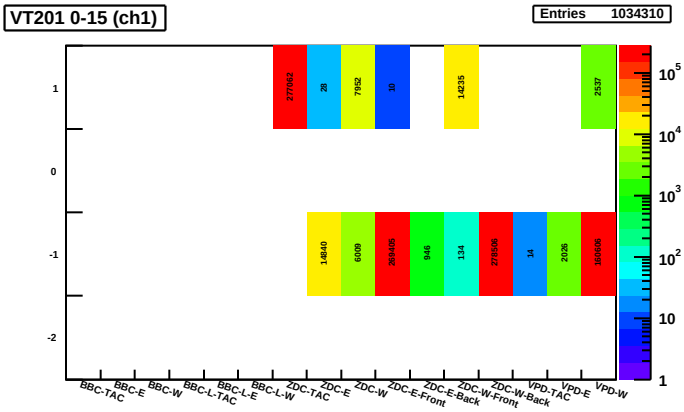
TF201 0-15 (ch0)



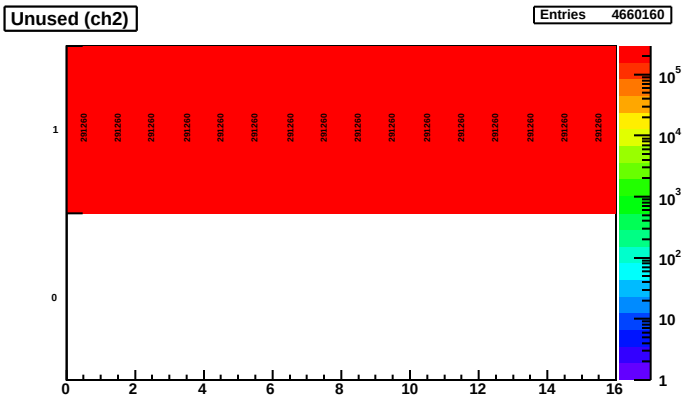
VT201 0-15 (ch1)

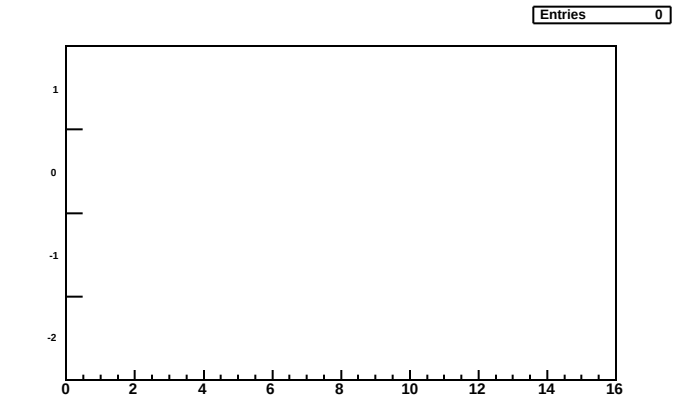


VT201 0-15 (ch1)

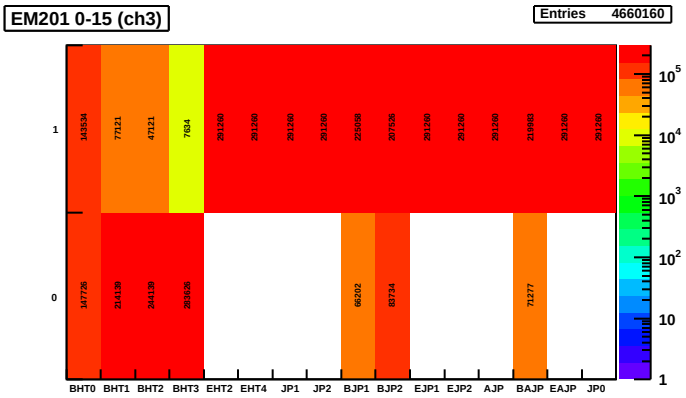


Unused (ch2)

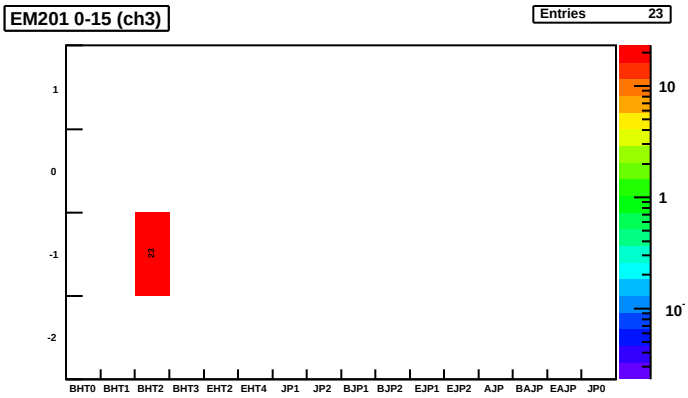




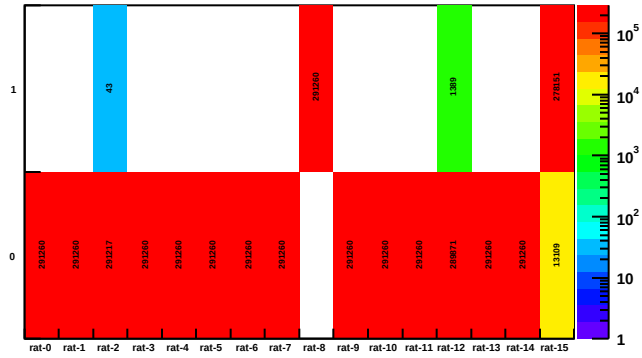
EM201 0-15 (ch3)

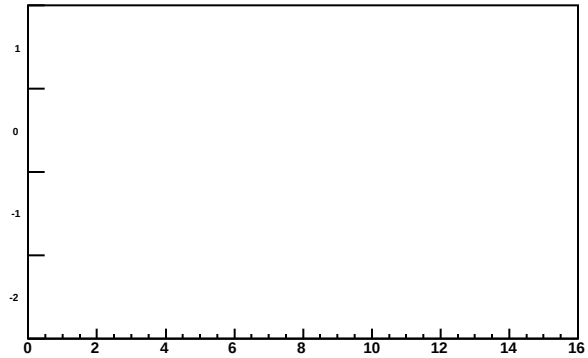


EM201 0-15 (ch3)

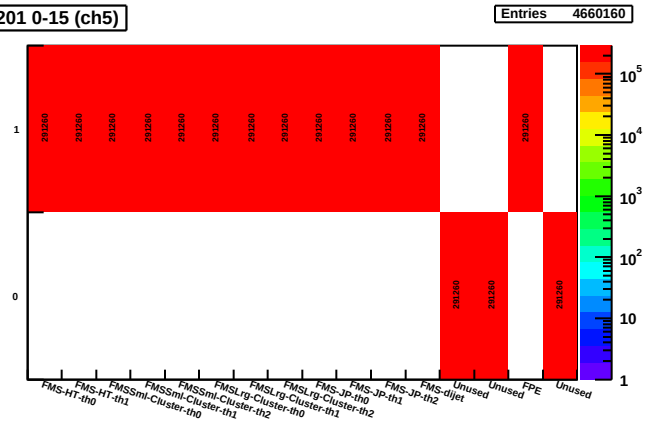


RAT board (ch4)

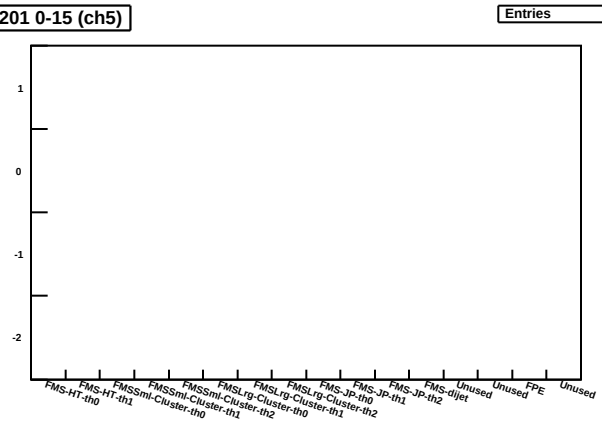




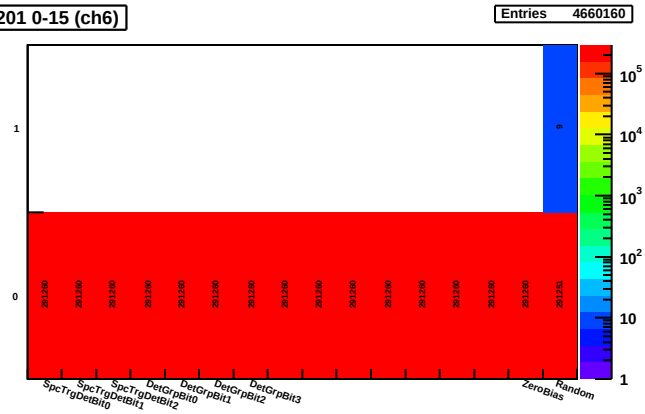
FP201 0-15 (ch5)

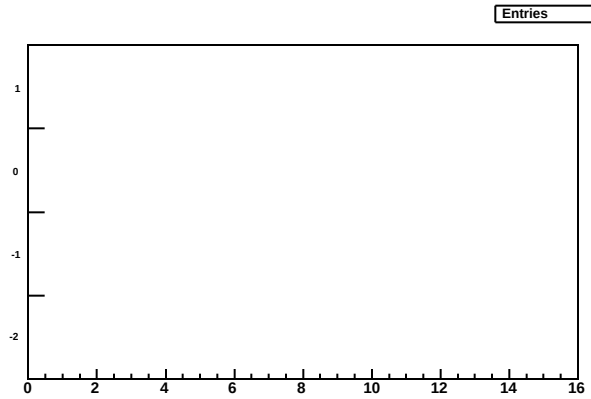
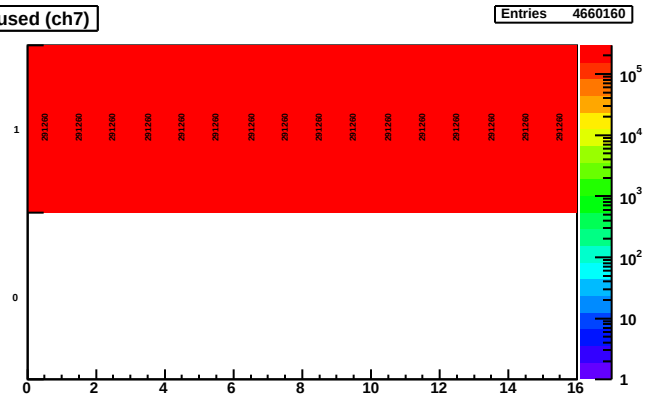
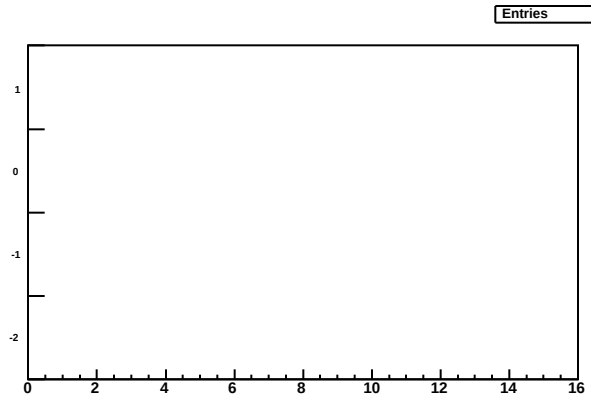


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)