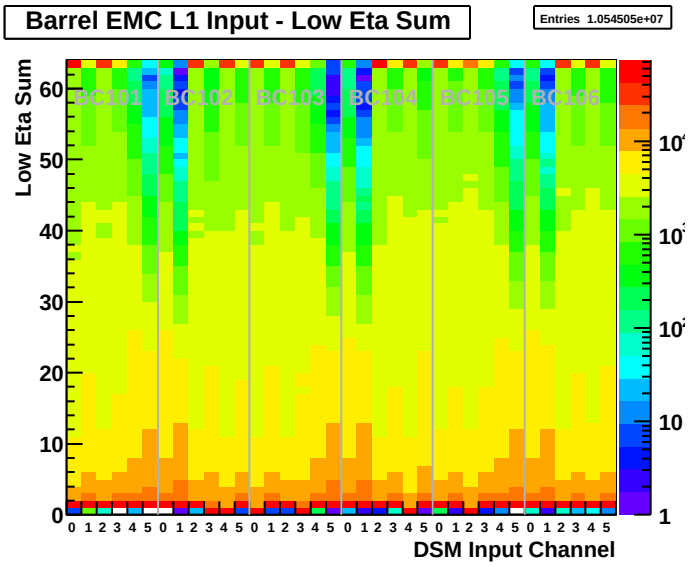
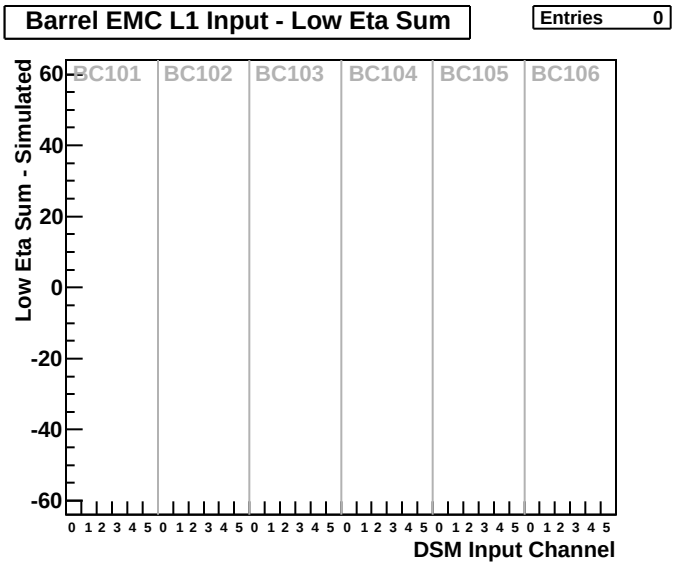
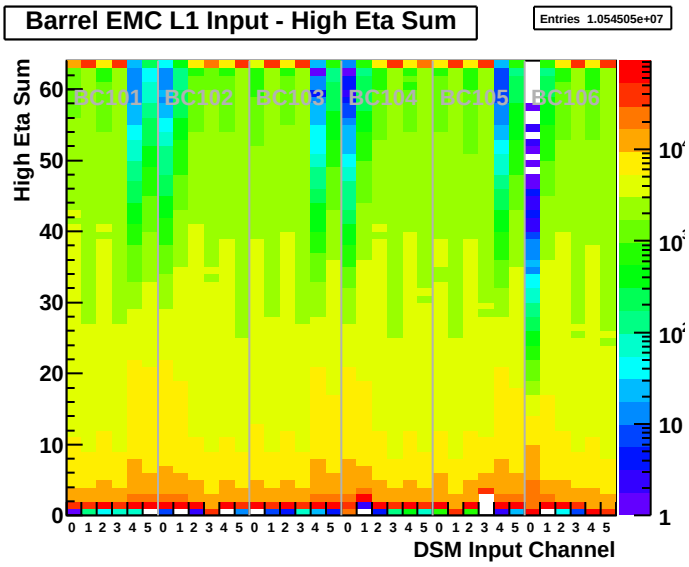
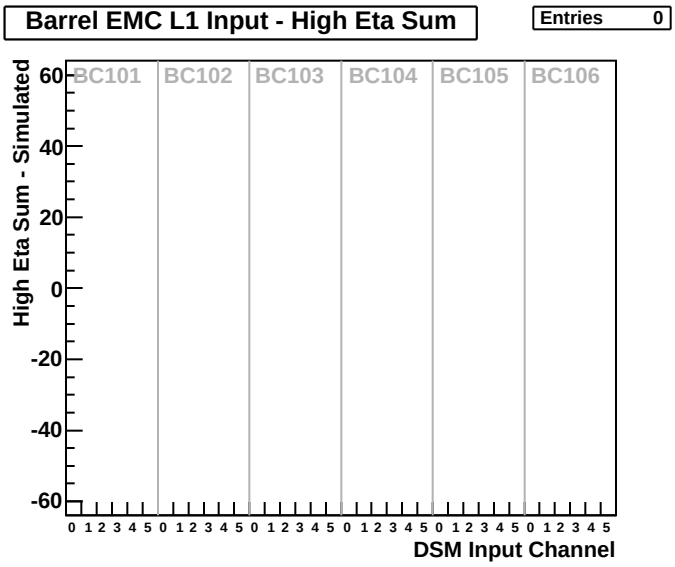
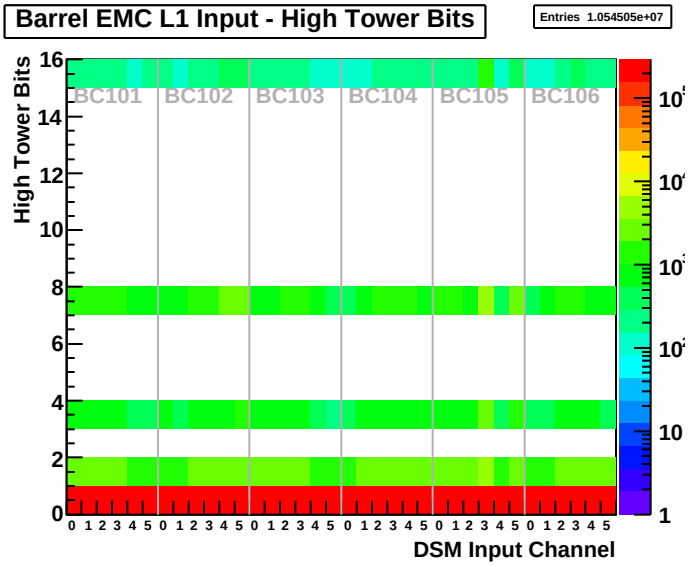
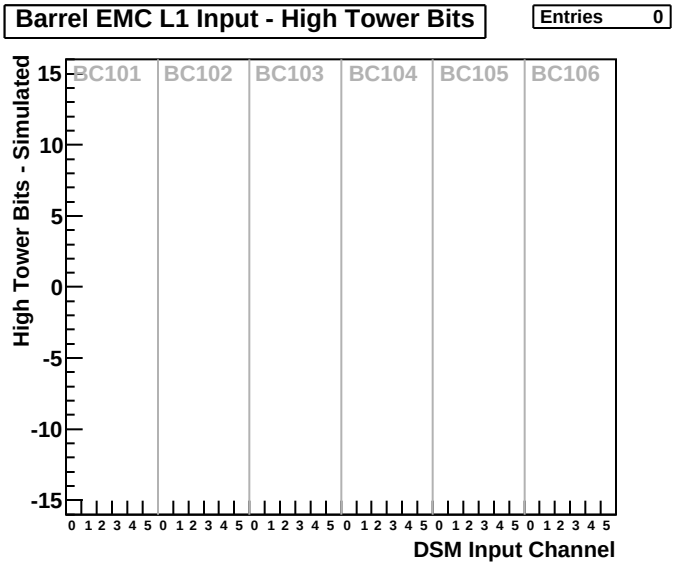

Barrel EMC L1 Input - Low Eta Sum
Entries 1.054505e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

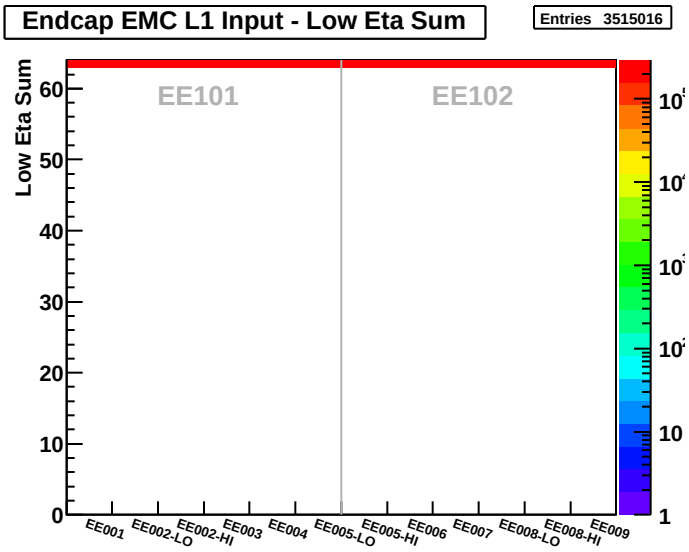

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

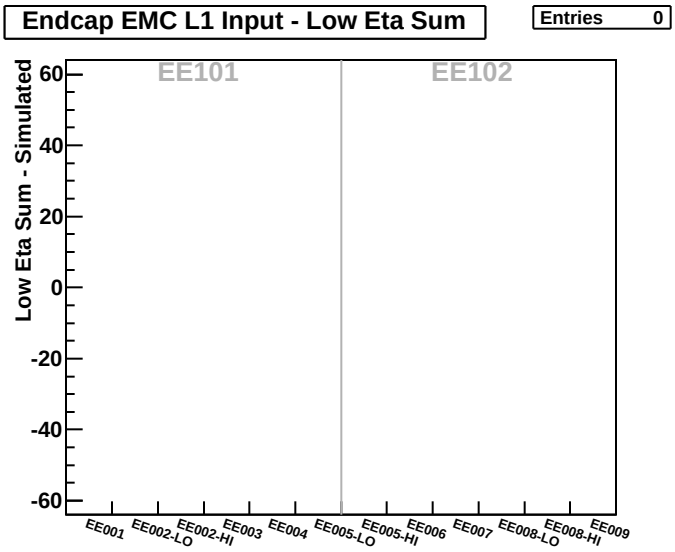

Barrel EMC L1 Input - High Eta Sum
Entries 1.054505e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

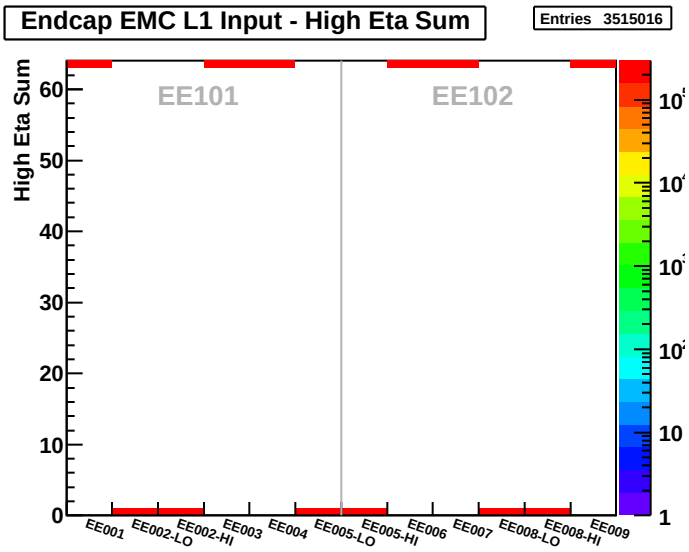

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

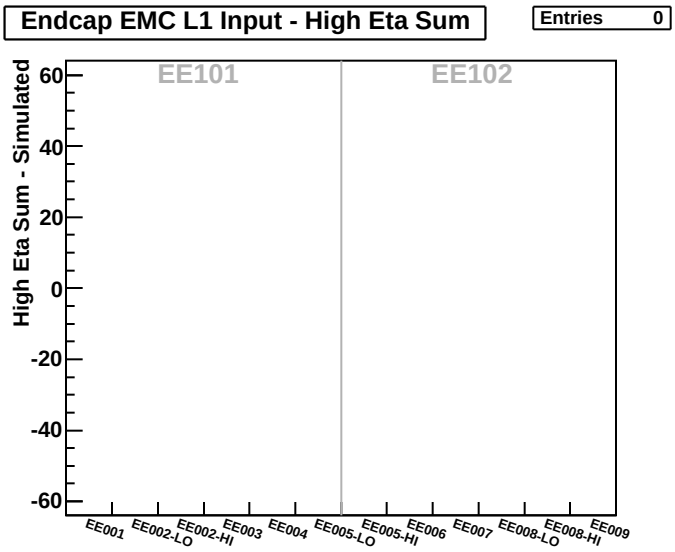

Barrel EMC L1 Input - High Tower Bits
Entries 1.054505e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

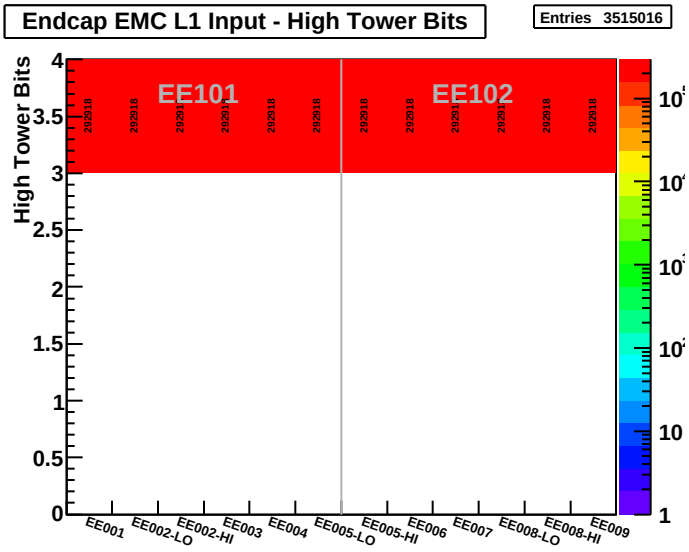

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

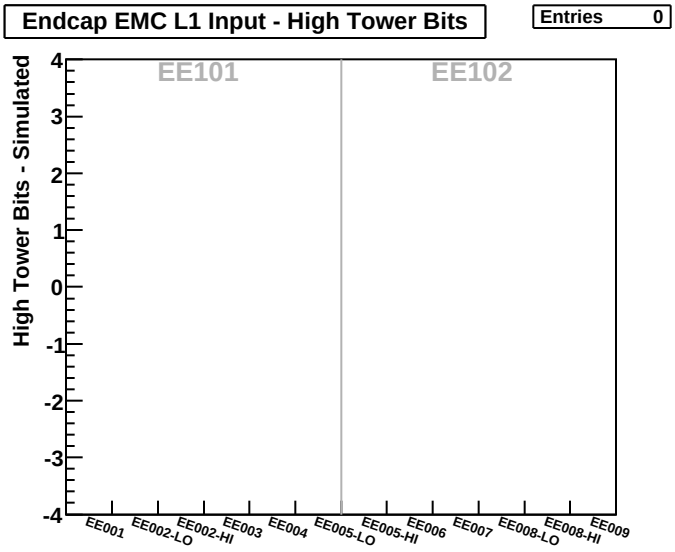

Endcap EMC L1 Input - Low Eta Sum
Entries 3515016
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

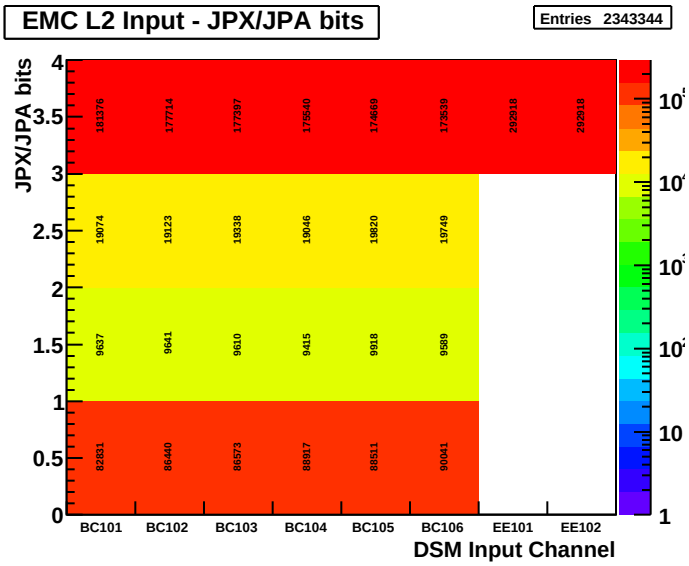

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

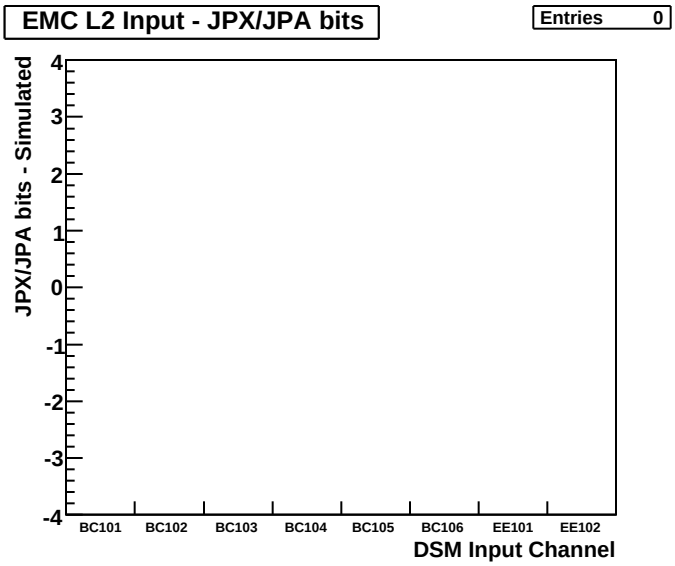

Endcap EMC L1 Input - High Eta Sum
Entries 3515016
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

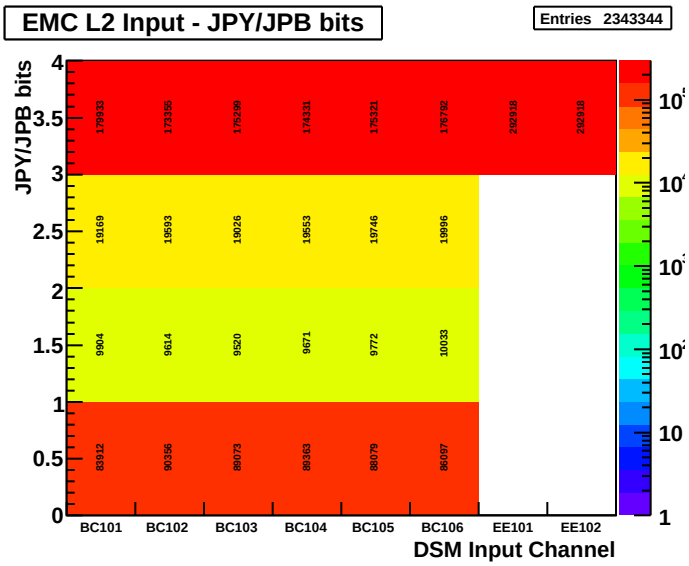

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

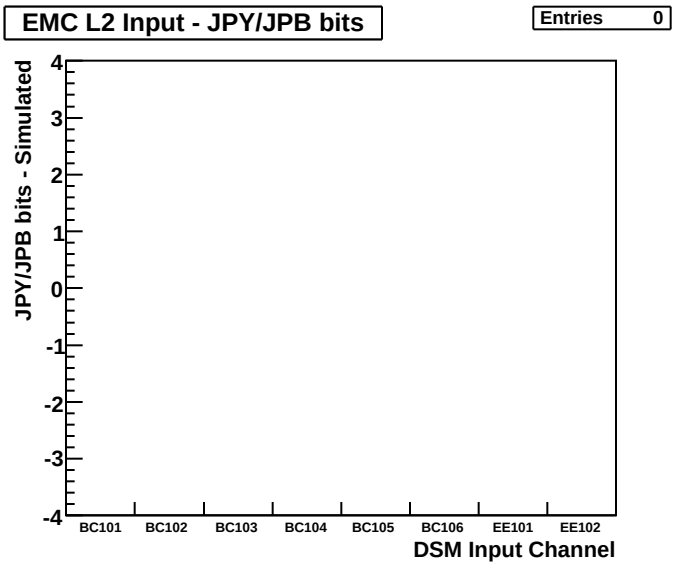

Endcap EMC L1 Input - High Tower Bits
Entries 3515016
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

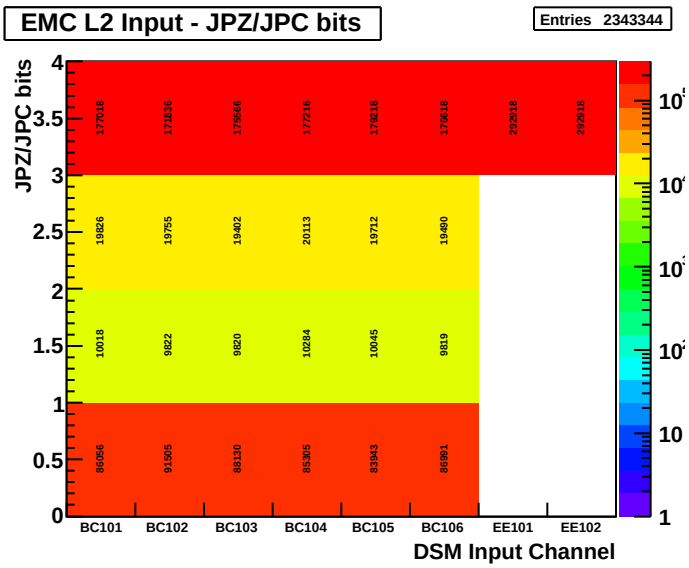

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

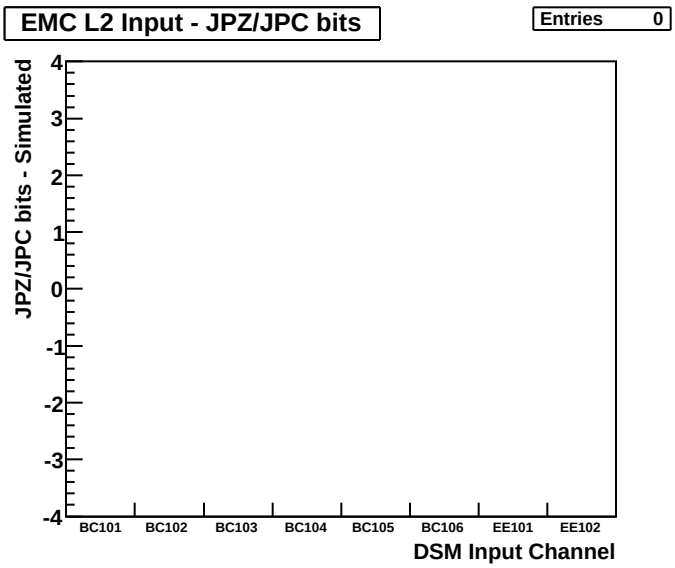

EMC L2 Input - JPX/JPA bits
Entries 2343344
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
181376 177714 177397 175540 174669 173539 292918 292918
19074 19123 19338 19046 19820 19749
9637 9641 9610 9415 9918 9589
82831 86440 86573 88917 88511 90041

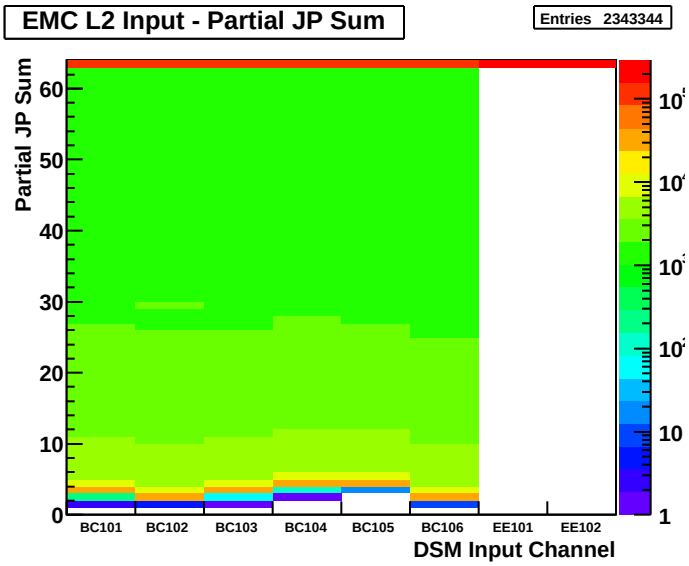

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

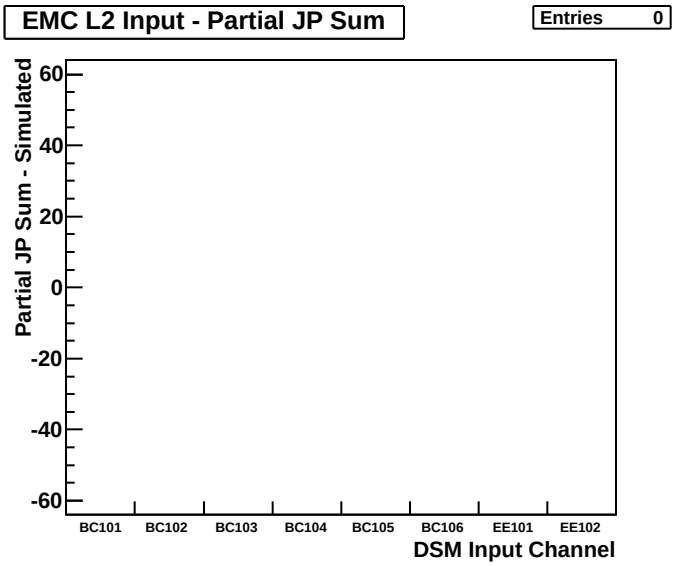

EMC L2 Input - JPY/JPB bits
Entries 2343344
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
179933 173355 175289 174331 175321 176792 292918 292918
19169 19593 19026 19553 19746 19996
9904 9614 9520 9671 9772 10033
83912 90356 89073 89363 88079 86097

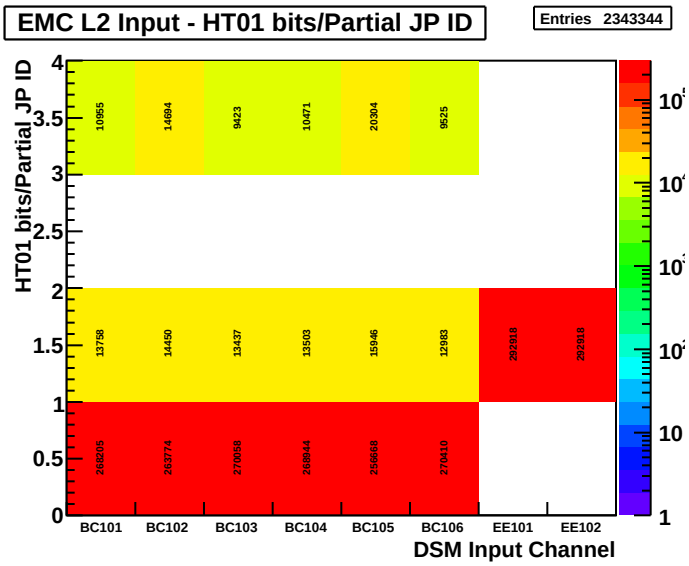

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

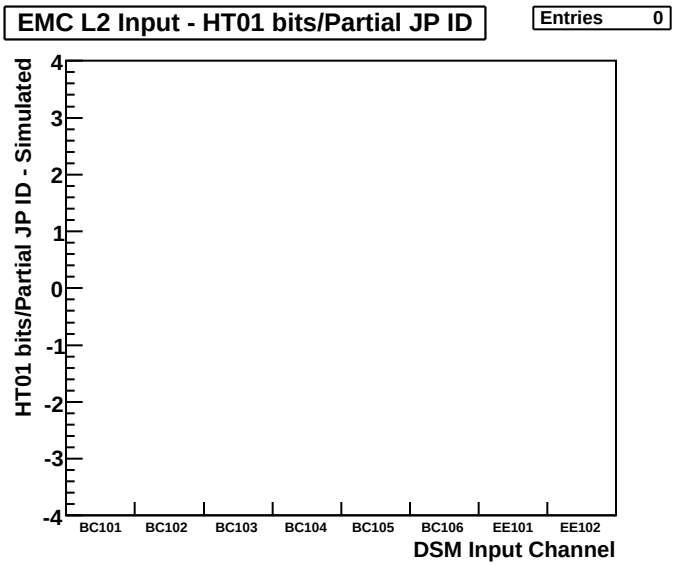

EMC L2 Input - JPZ/JPC bits
Entries 2343344
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
177018 173836 175566 177216 177218 176618 292918 292918
19826 19755 19402 20113 19712 19490
10018 9822 9820 10284 10045 9819
86656 91505 88130 85305 83943 86991

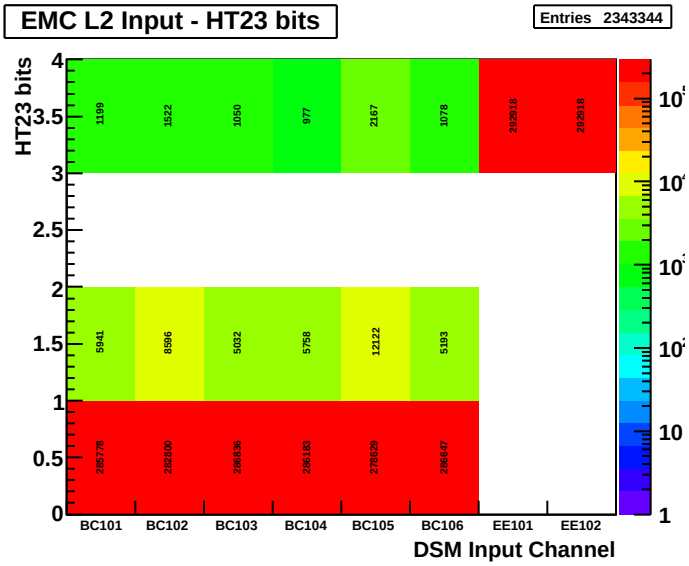

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

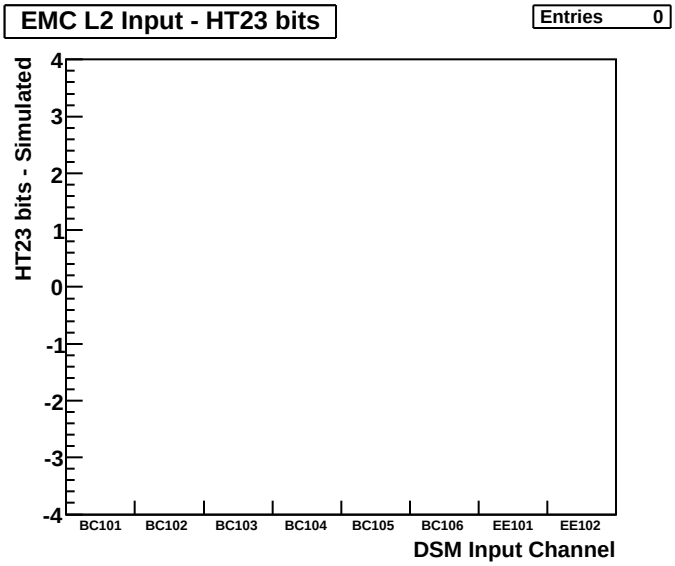

EMC L2 Input - Partial JP Sum
Entries 2343344
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

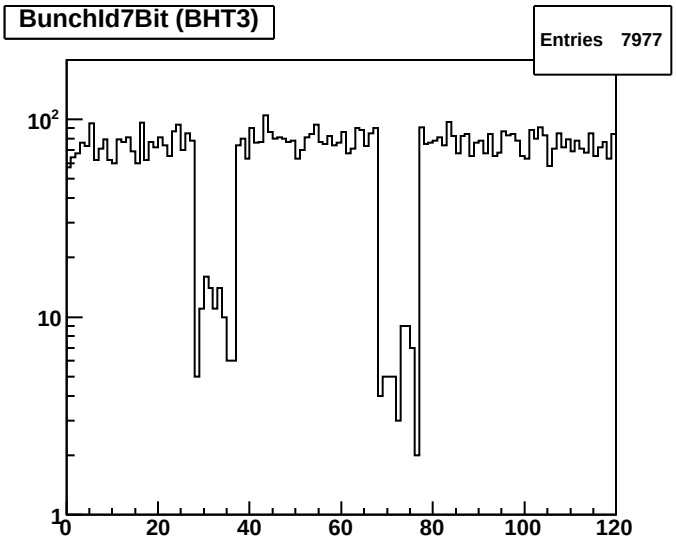

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

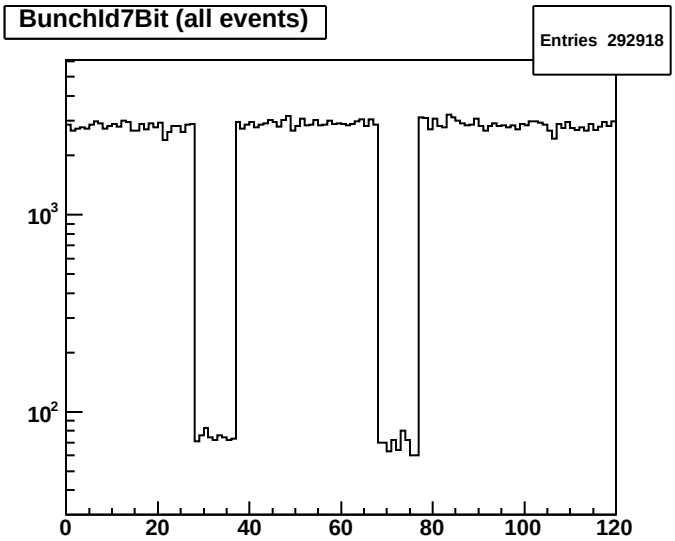

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2343344
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

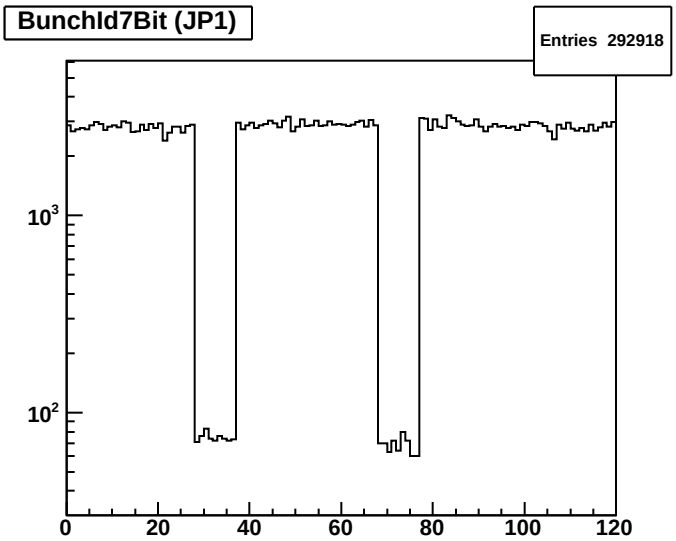

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

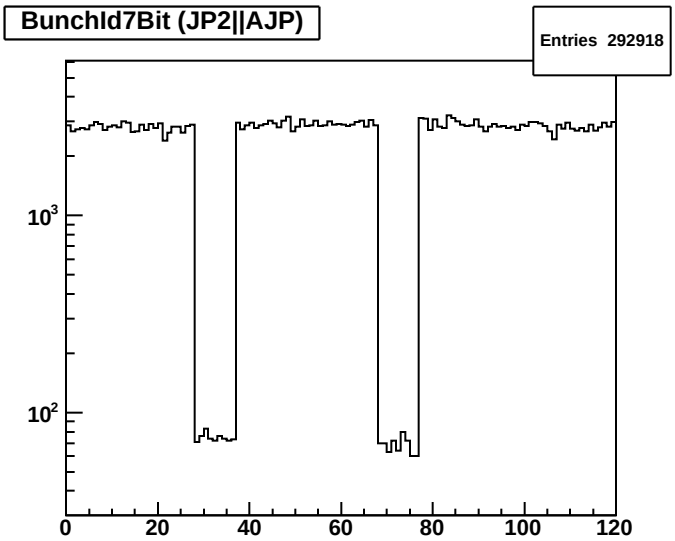

EMC L2 Input - HT23 bits
Entries 2343344
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

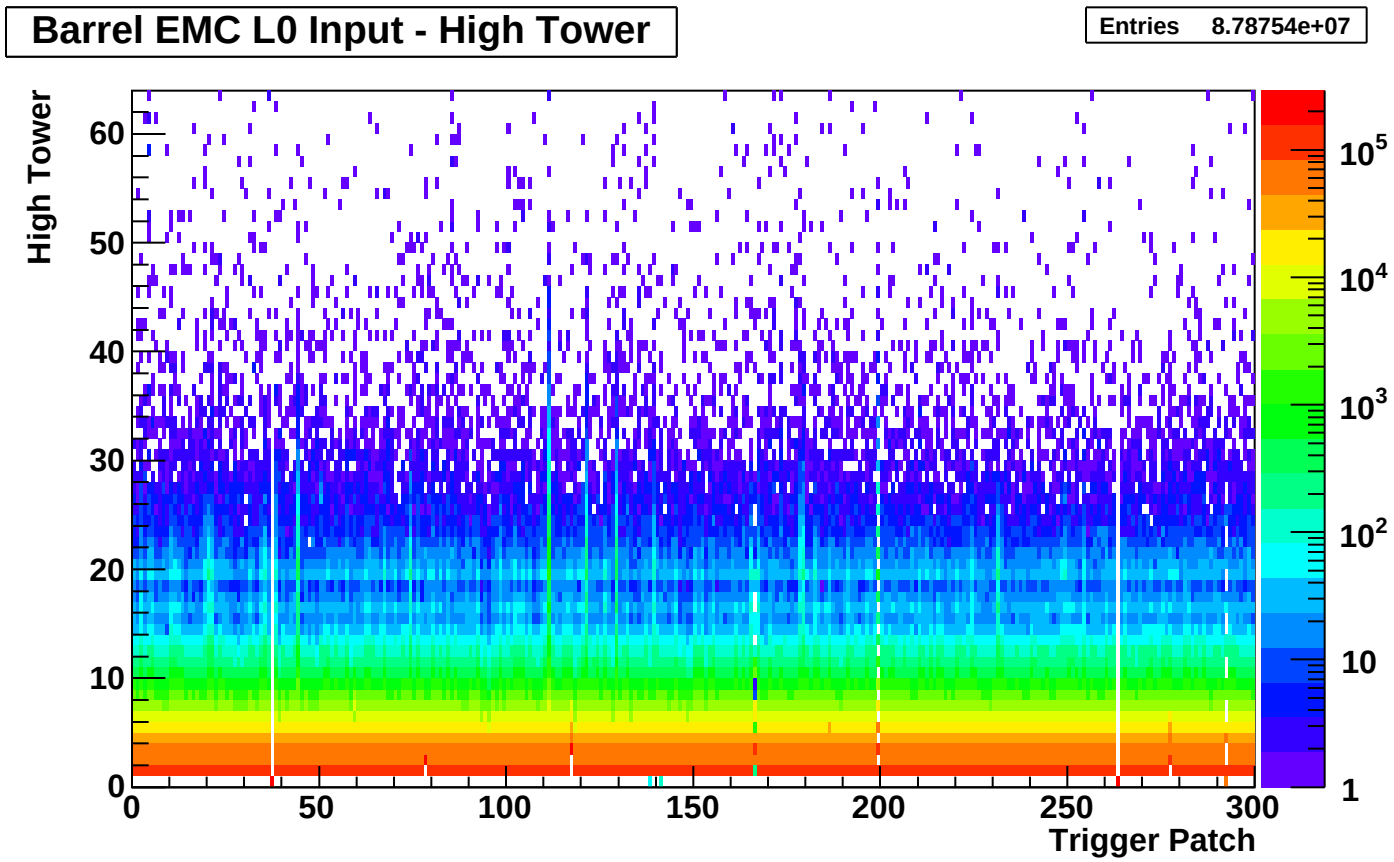

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

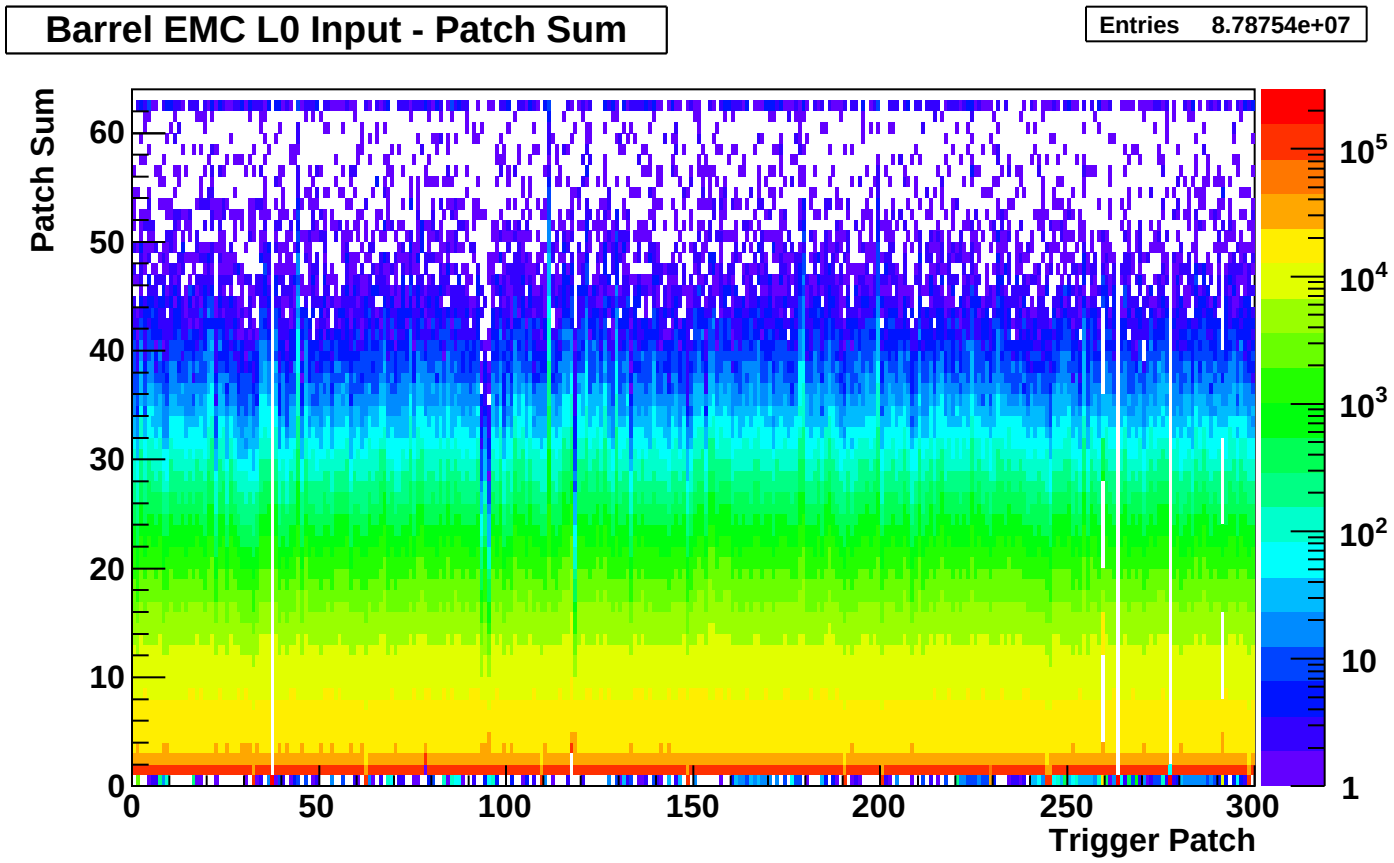

BunchId7Bit (BHT3)
Entries 7977
10^2
10
1
0
20
40
60
80
100
120

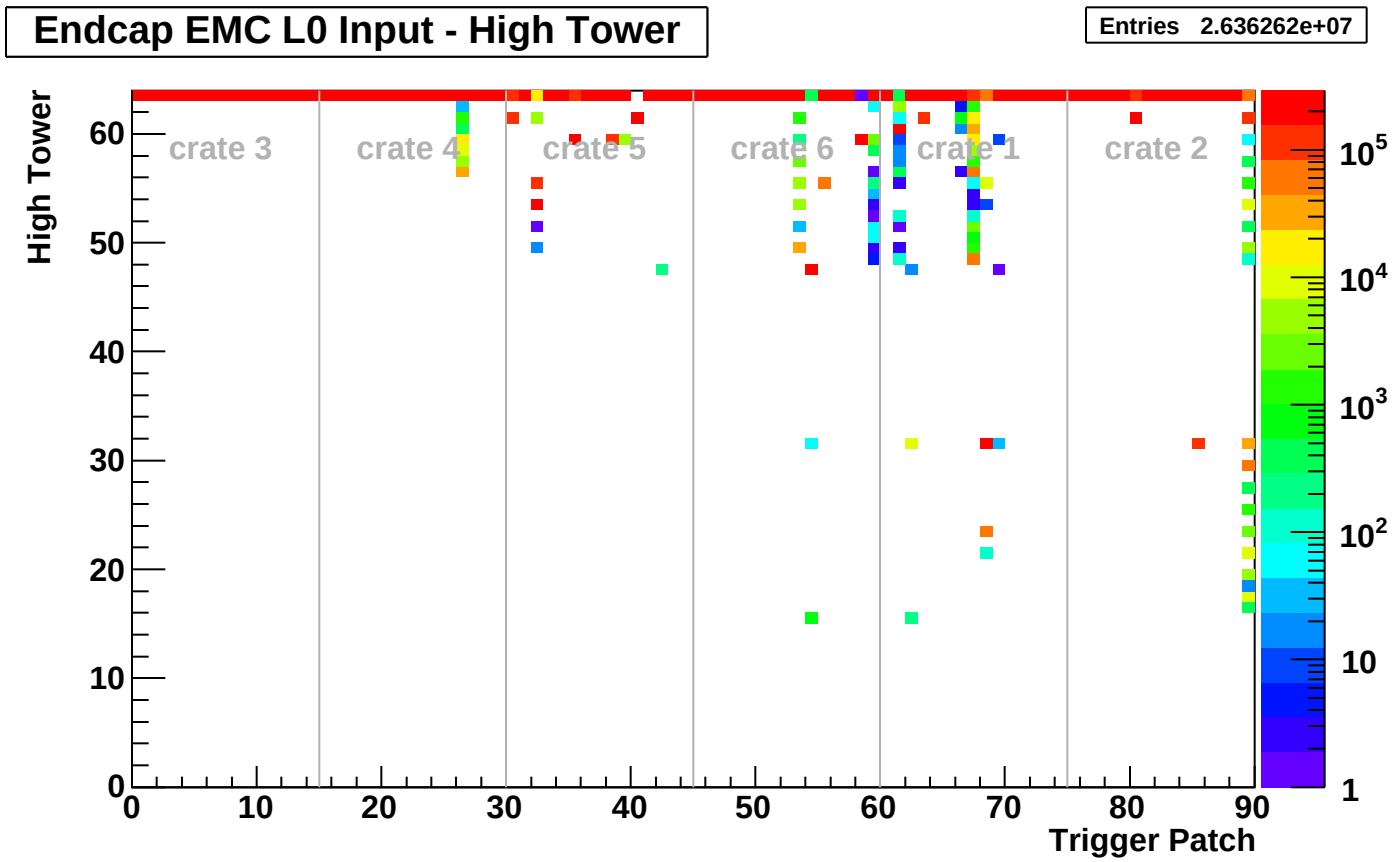

BunchId7Bit (all events)
Entries 292918
10^3
10^2
0
20
40
60
80
100
120

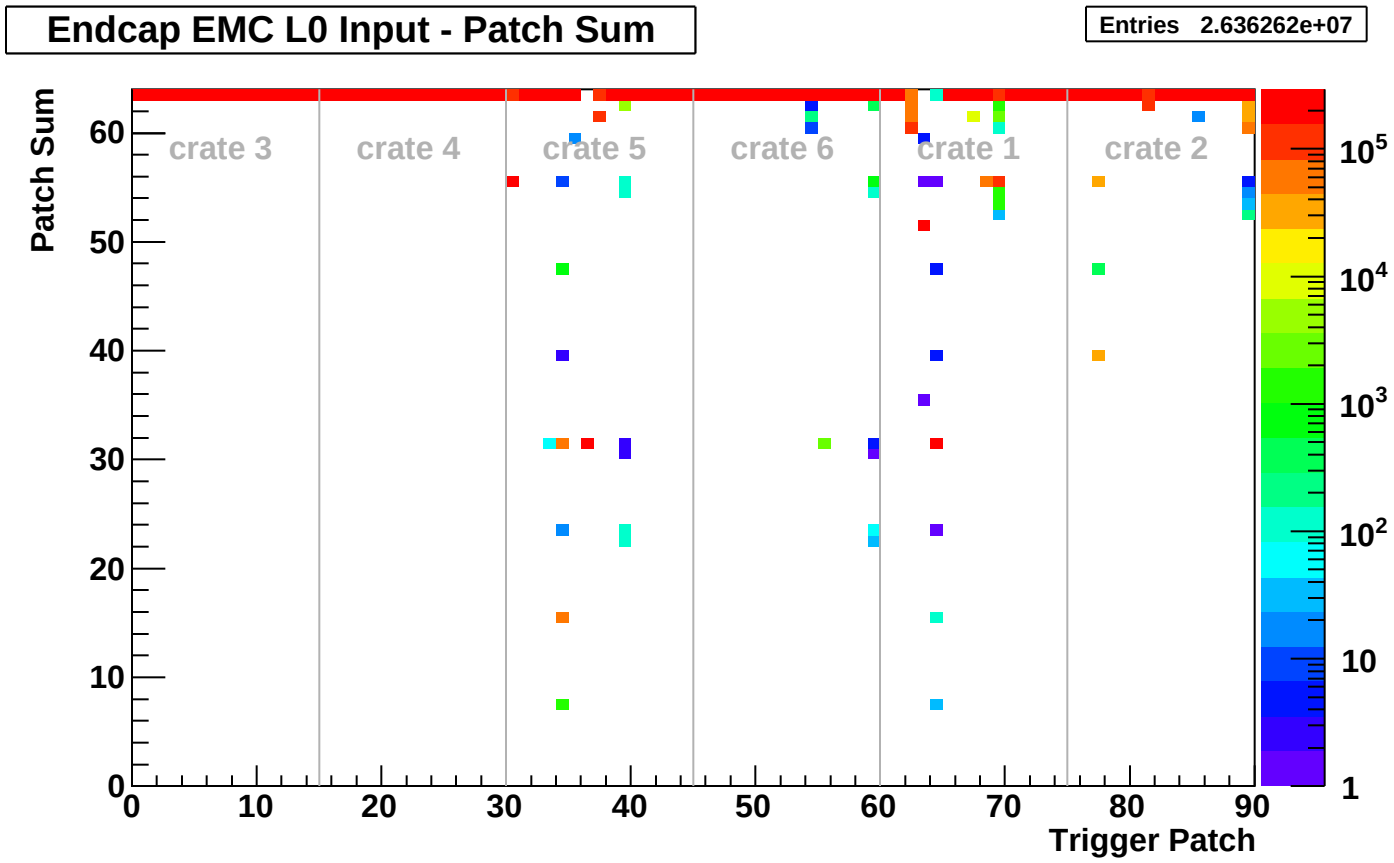

BunchId7Bit (JP1)
Entries 292918
10^3
10^2
0
20
40
60
80
100
120

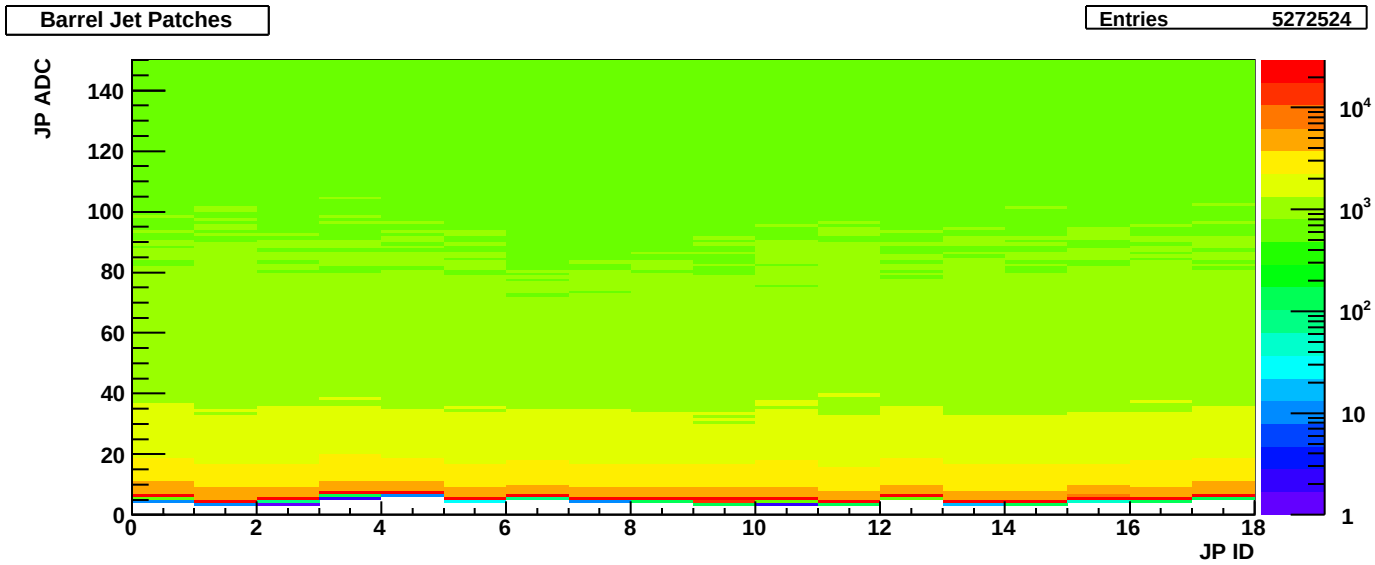

BunchId7Bit (JP2||AJP)
Entries 292918
10^3
10^2
0
20
40
60
80
100
120

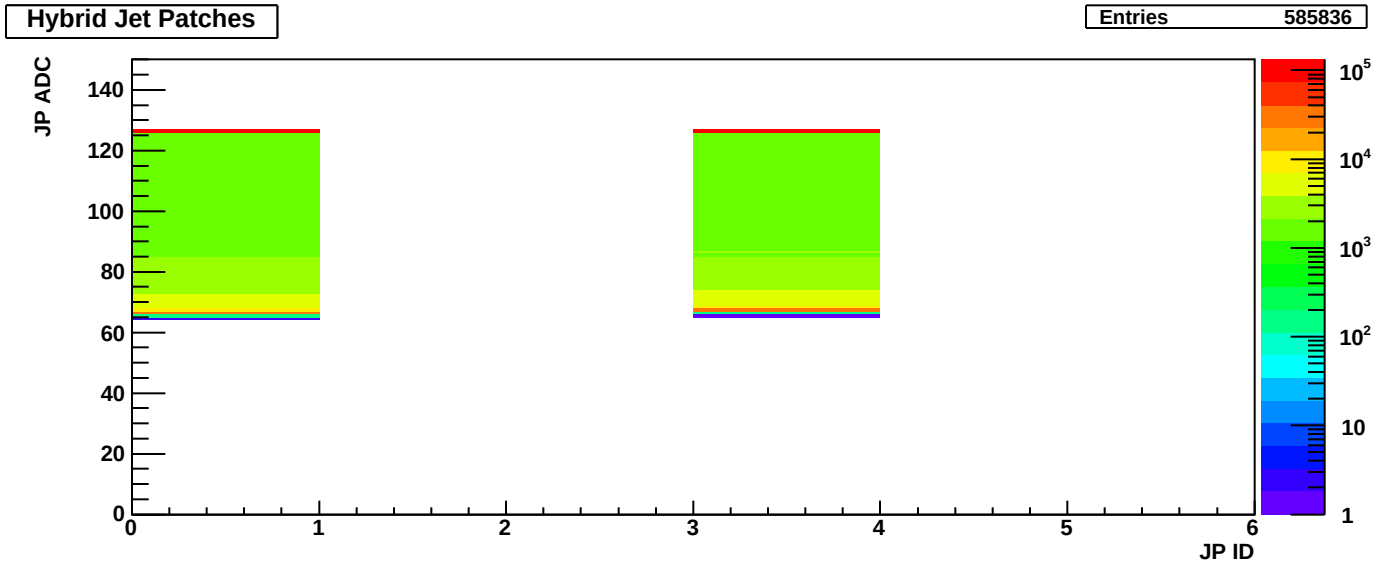

Barrel EMC L0 Input - High Tower
Entries 8.78754e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

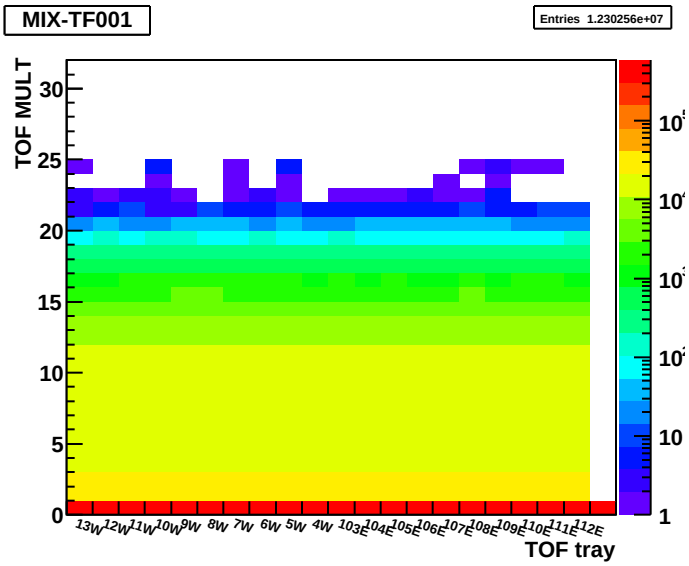

Barrel EMC L0 Input - Patch Sum
Entries 8.78754e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

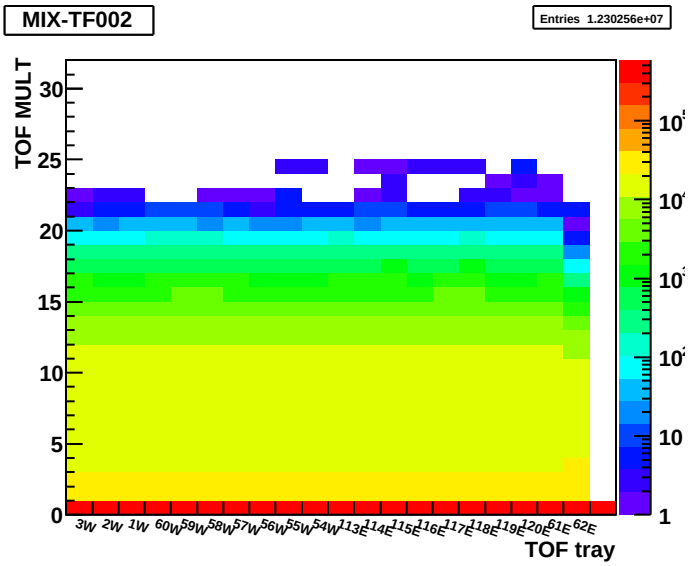

Endcap EMC L0 Input - High Tower
Entries 2.636262e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

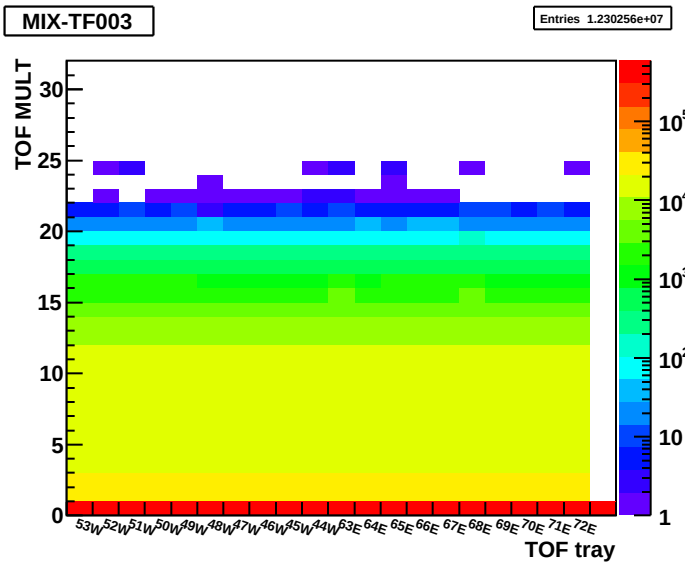

Endcap EMC L0 Input - Patch Sum
Entries 2.636262e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

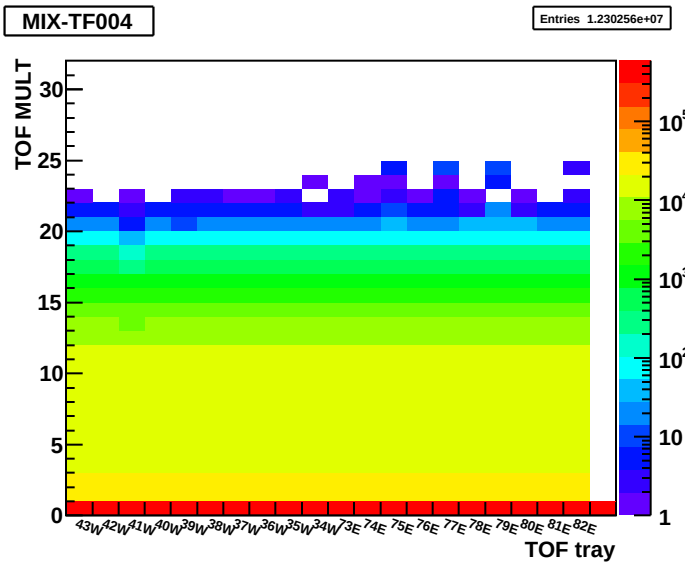

Barrel Jet Patches
Entries 5272524
JP ADC
JP ID

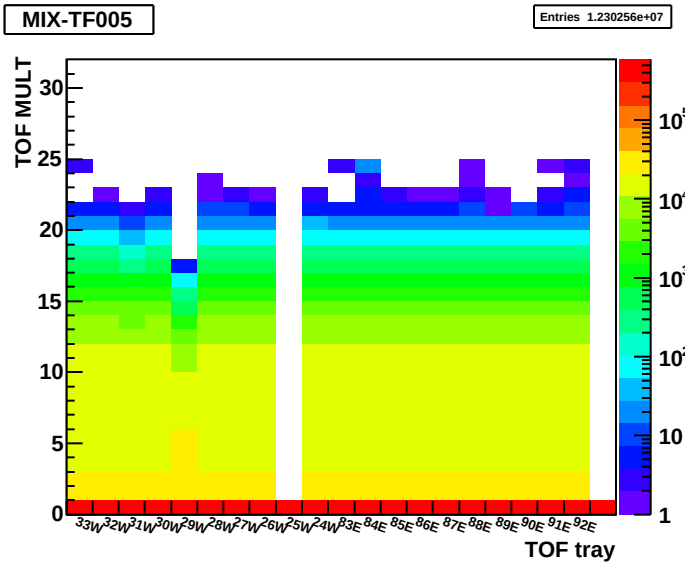

Hybrid Jet Patches
Entries 585836
JP ADC
JP ID

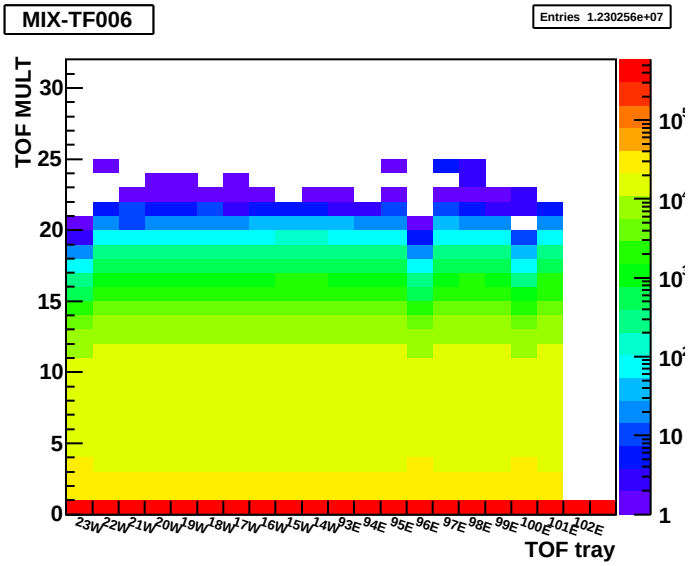

MIX-TF001
Entries 1.230256e+07
TOF MULT
TOF tray

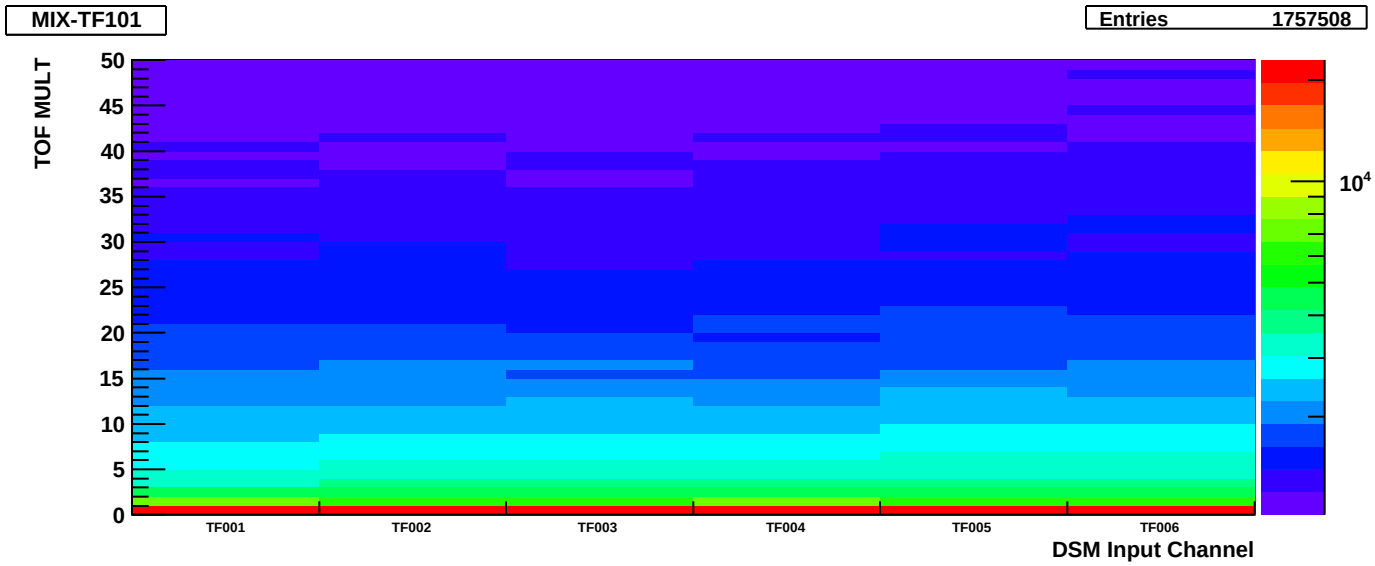

MIX-TF002
Entries 1.230256e+07
TOF MULT
TOF tray

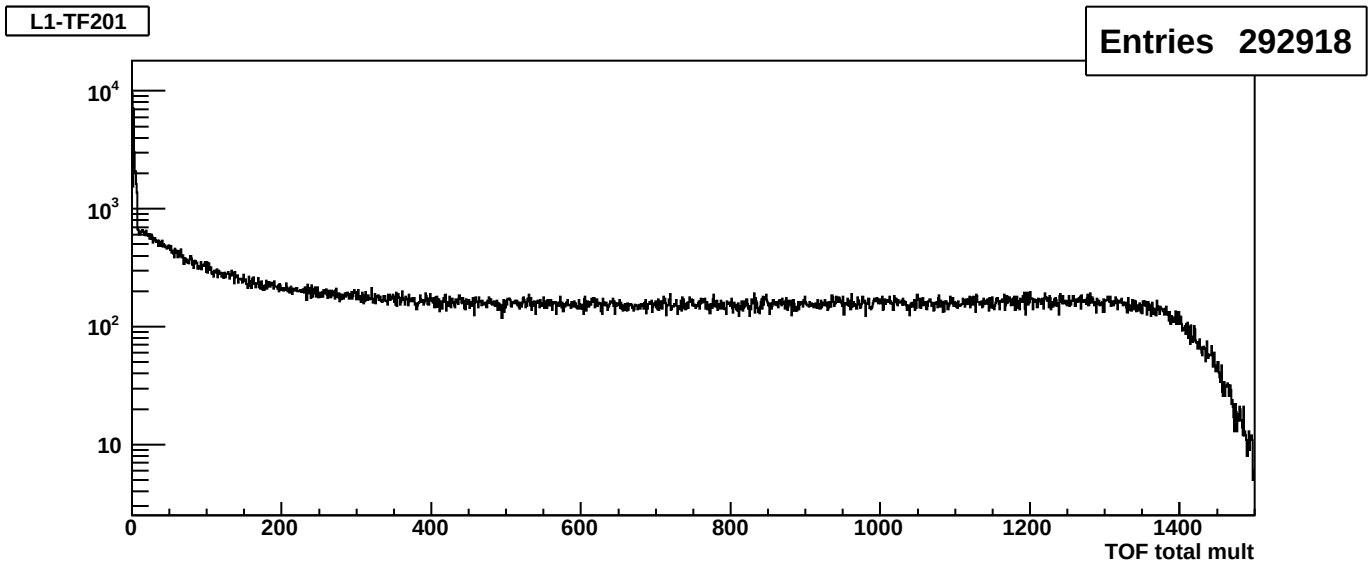

MIX-TF003
Entries 1.230256e+07
TOF MULT
TOF tray

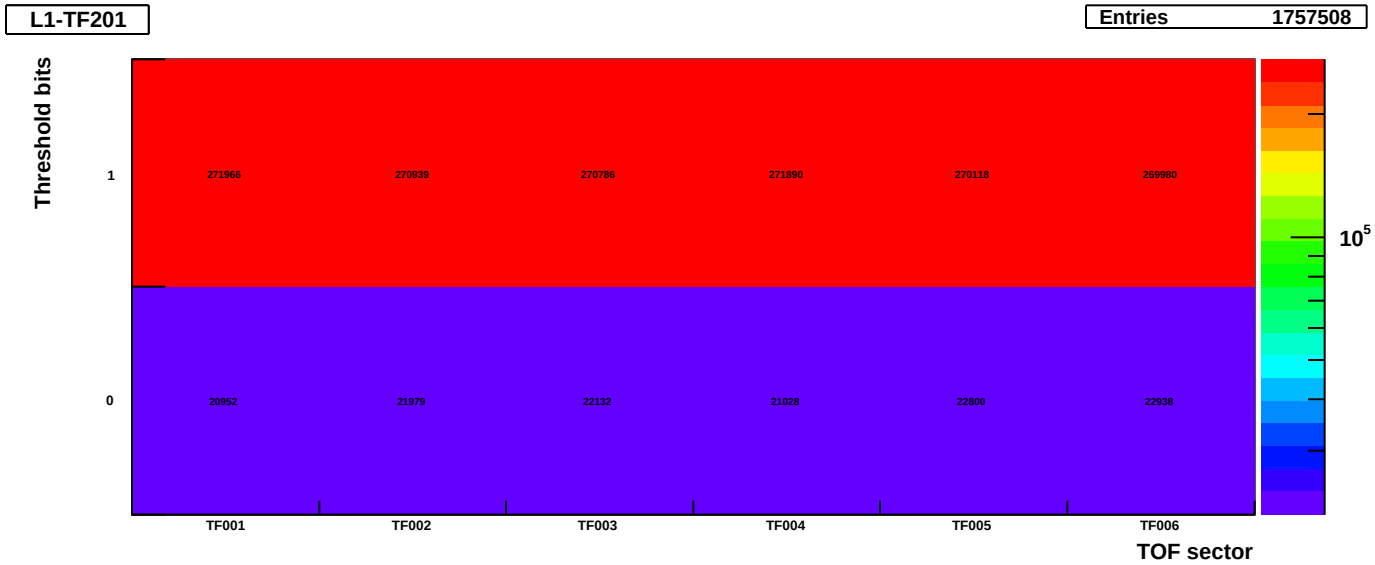

MIX-TF004
Entries 1.230256e+07
TOF MULT
TOF tray

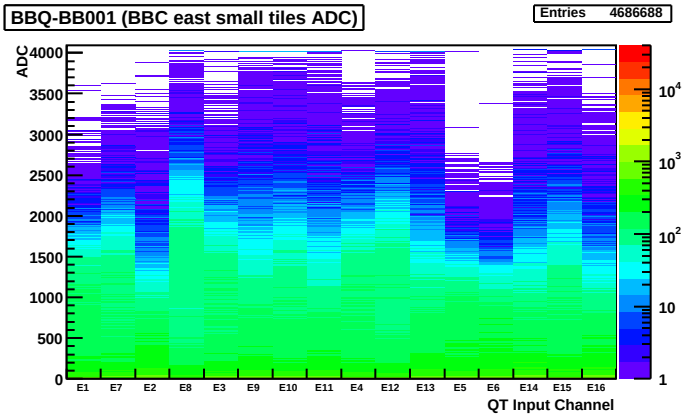

MIX-TF005
Entries 1.230256e+07
TOF MULT
TOF tray

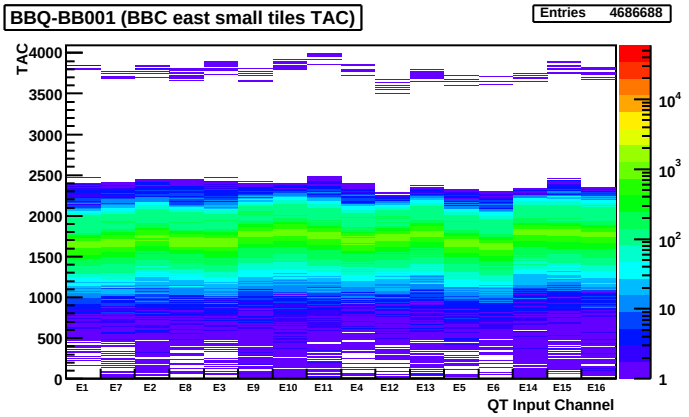

MIX-TF006
Entries 1.230256e+07
TOF MULT
TOF tray

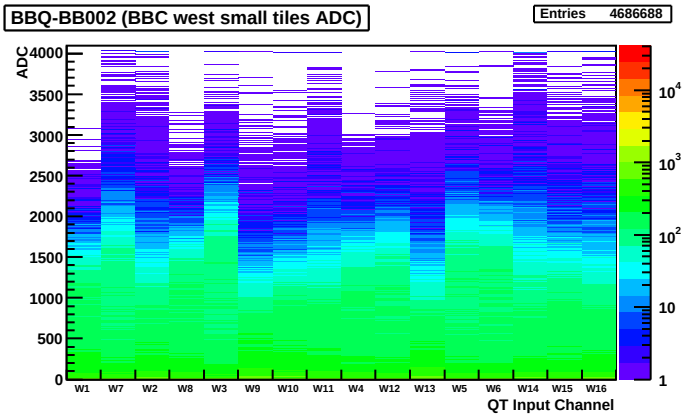

MIX-TF101
Entries 1757508
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

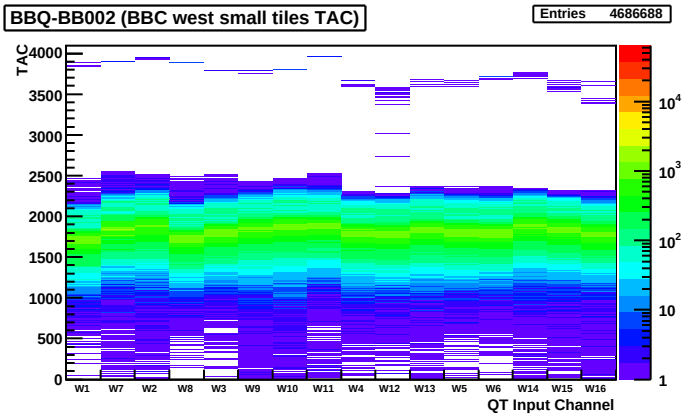

L1-TF201
Entries 292918
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

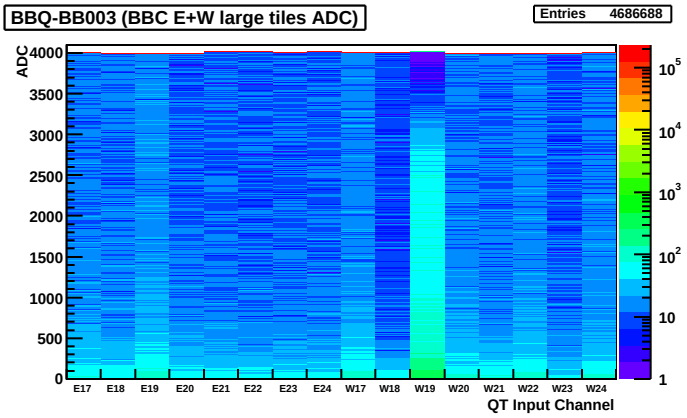

L1-TF201
Entries 1757508
Threshold bits
1
0
271966
270939
270786
271890
270118
269980
20952
21979
22132
21028
22800
22938
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

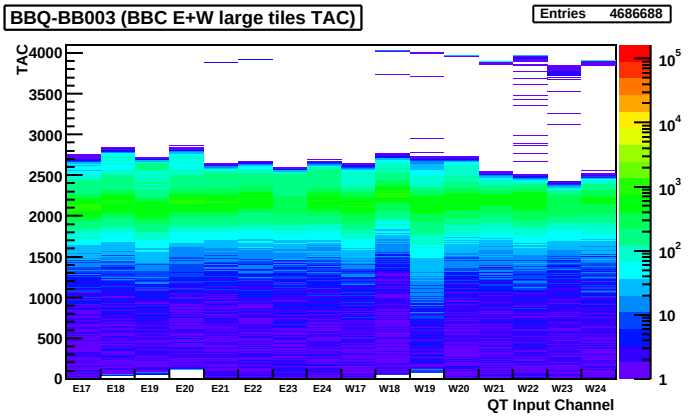

BBQ-BB001 (BBC east small tiles ADC)
Entries 4686688
ADC
QT Input Channel

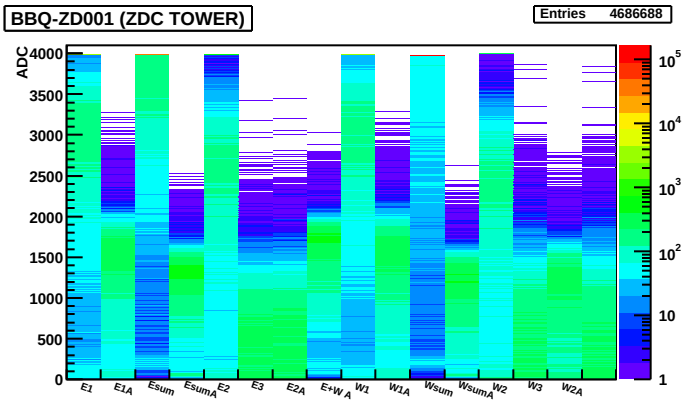

BBQ-BB001 (BBC east small tiles TAC)
Entries 4686688
TAC
QT Input Channel

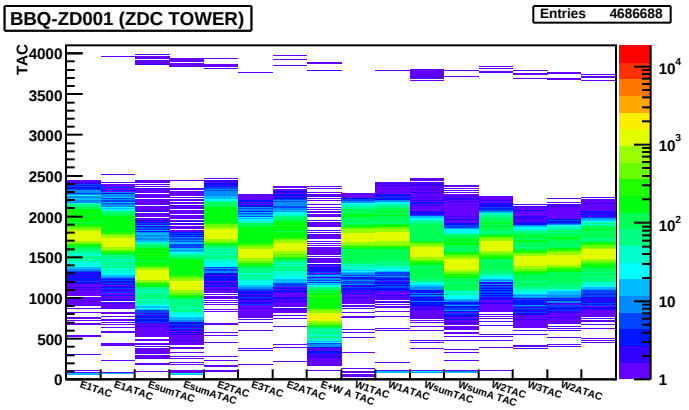

BBQ-BB002 (BBC west small tiles ADC)
Entries 4686688
ADC
QT Input Channel

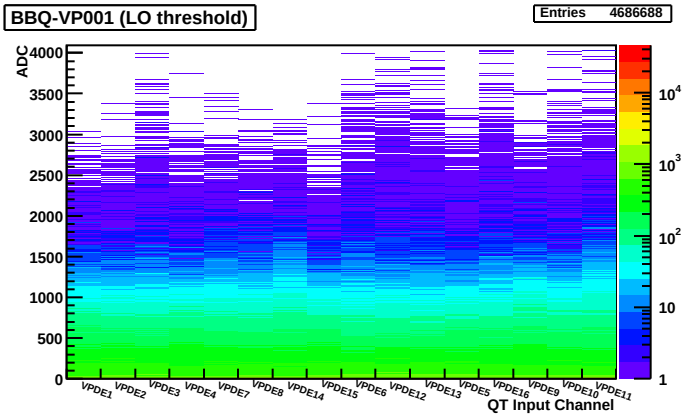

BBQ-BB002 (BBC west small tiles TAC)
Entries 4686688
TAC
QT Input Channel

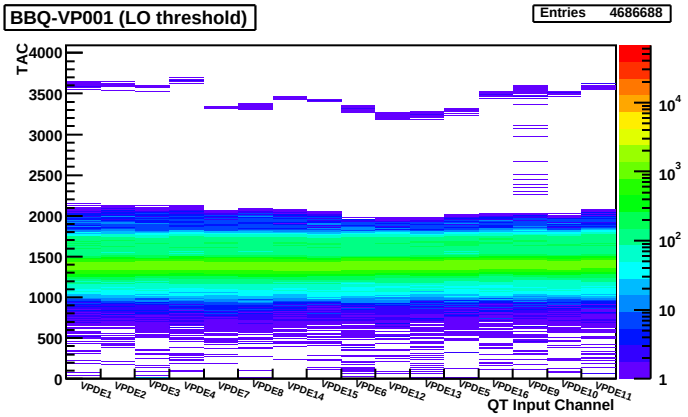

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 4686688
ADC
QT Input Channel

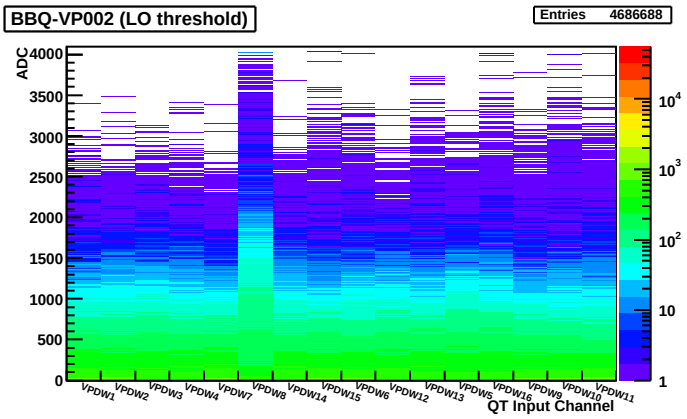

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 4686688
TAC
QT Input Channel

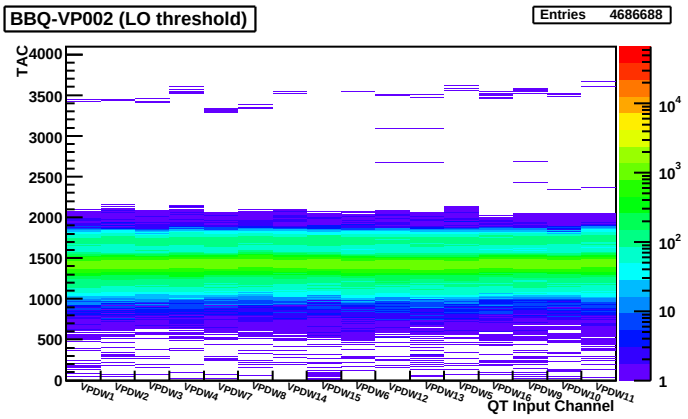

BBQ-ZD001 (ZDC TOWER)
Entries 4686688
ADC

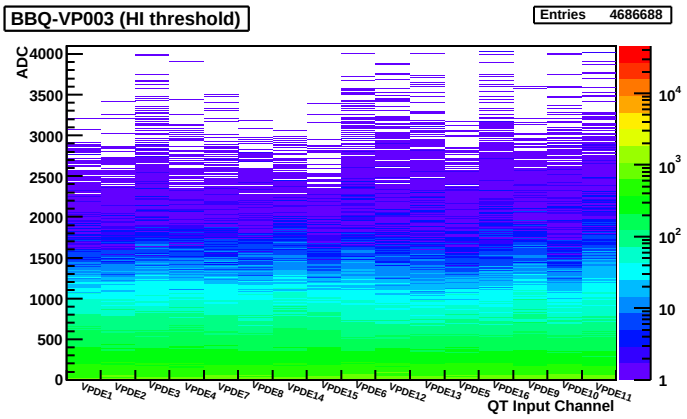

BBQ-ZD001 (ZDC TOWER)
Entries 4686688
TAC

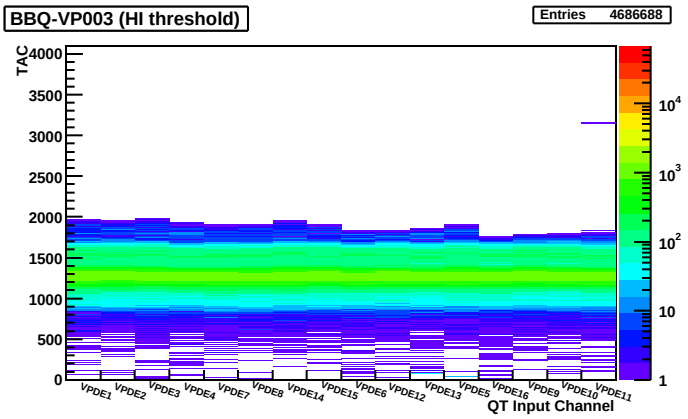

BBQ-VP001 (LO threshold)
Entries 4686688
ADC
QT Input Channel

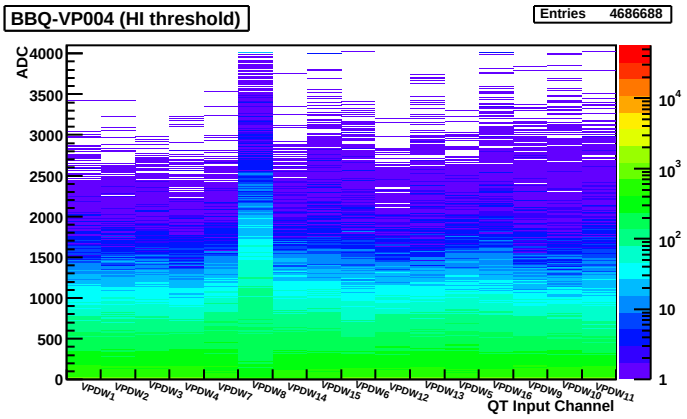

BBQ-VP001 (LO threshold)
Entries 4686688
TAC
QT Input Channel

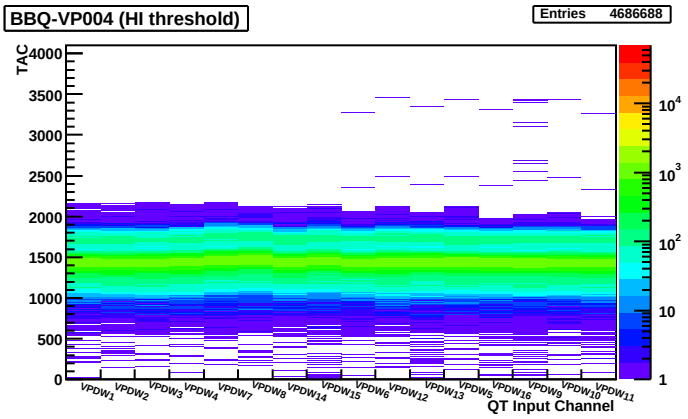

BBQ-VP002 (LO threshold)
Entries 4686688
ADC
QT Input Channel

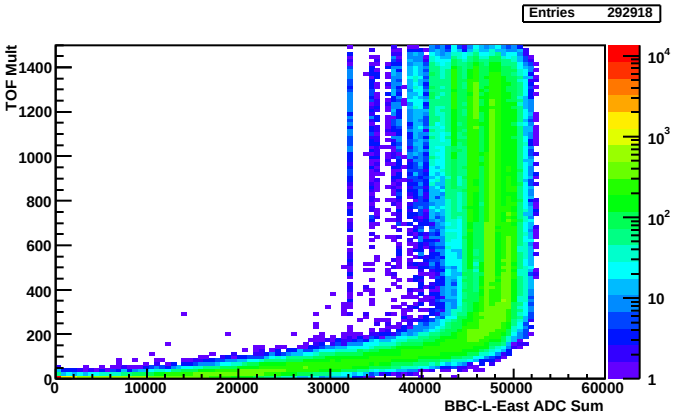

BBQ-VP002 (LO threshold)
Entries 4686688
TAC
QT Input Channel

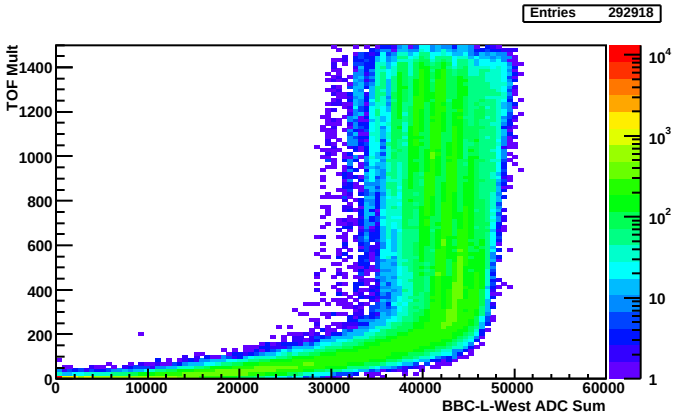

BBQ-VP003 (HI threshold)
Entries 4686688
ADC
QT Input Channel

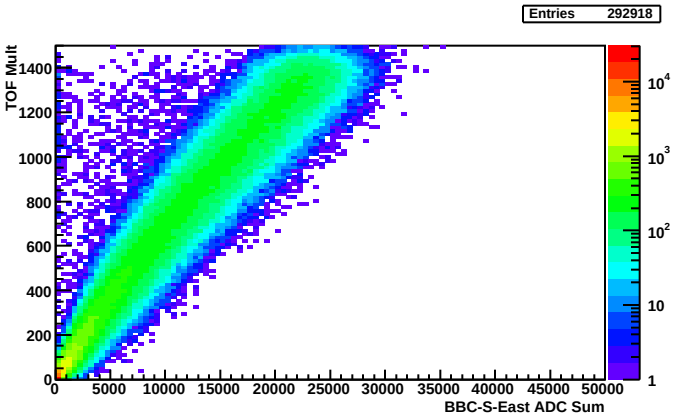

BBQ-VP003 (HI threshold)
Entries 4686688
TAC
QT Input Channel

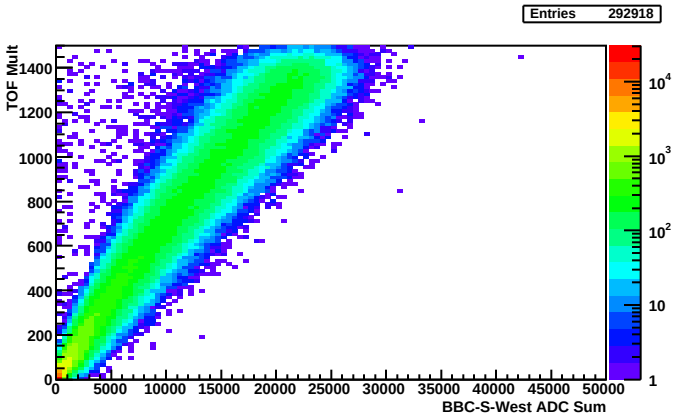

BBQ-VP004 (HI threshold)
Entries 4686688
ADC
QT Input Channel

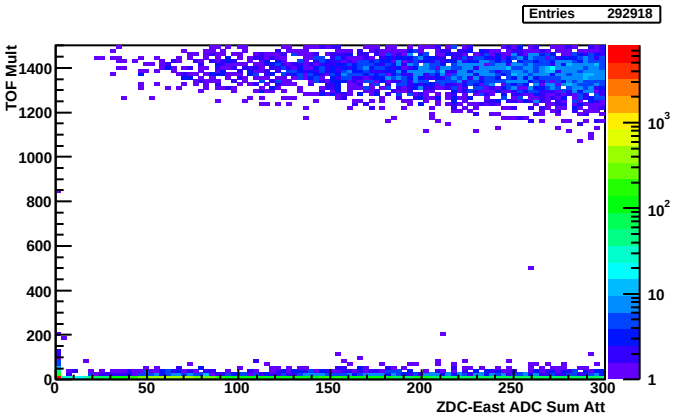

BBQ-VP004 (HI threshold)
Entries 4686688
TAC
QT Input Channel

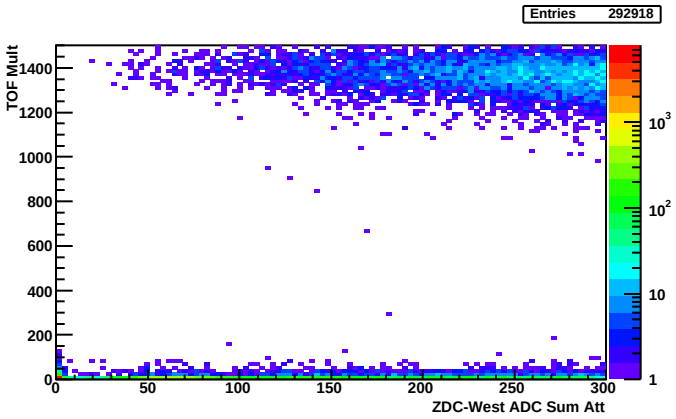

Entries 292918
TOF Mult
BBC-L-East ADC Sum

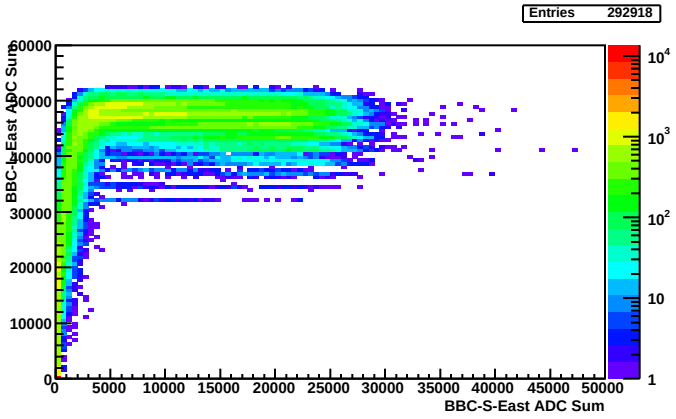

Entries 292918
TOF Mult
BBC-L-West ADC Sum

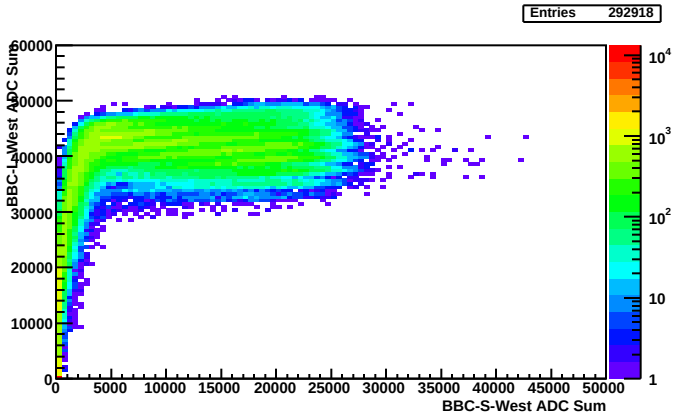

Entries 292918
TOF Mult
BBC-S-East ADC Sum

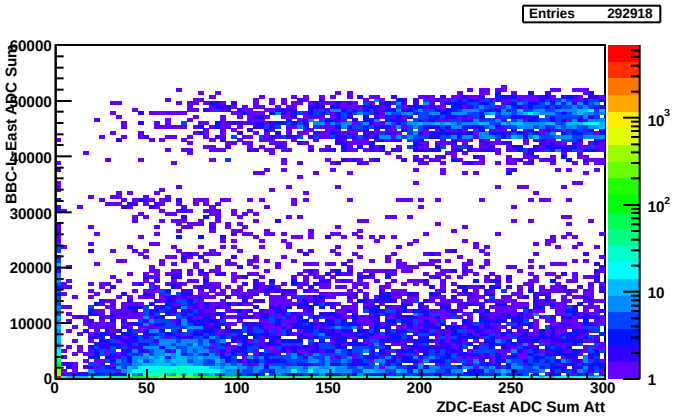

Entries 292918
TOF Mult
BBC-S-West ADC Sum

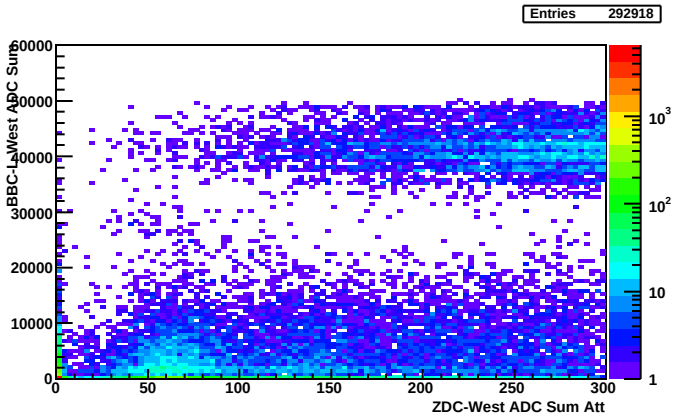

Entries 292918
TOF Mult
ZDC-East ADC Sum Att

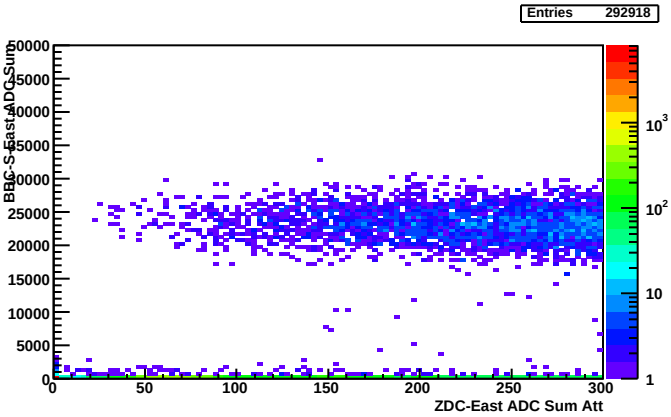

Entries 292918
TOF Mult
ZDC-West ADC Sum Att

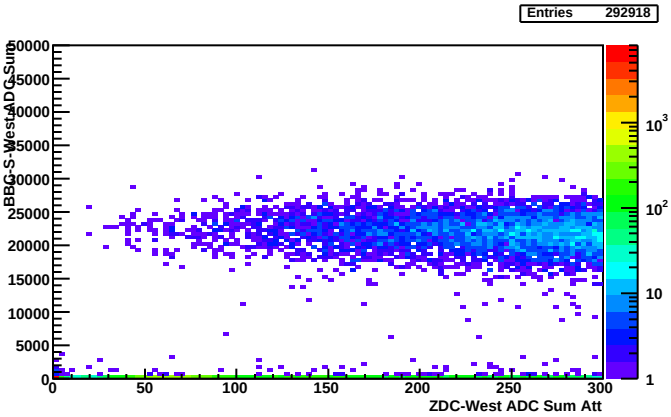

Entries 292918
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 292918
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 292918
BBC-L-East ADC Sum
ZDC-East ADC Sum Att


Entries 292918
BBC-L-West ADC Sum
ZDC-West ADC Sum Att


Entries 292918
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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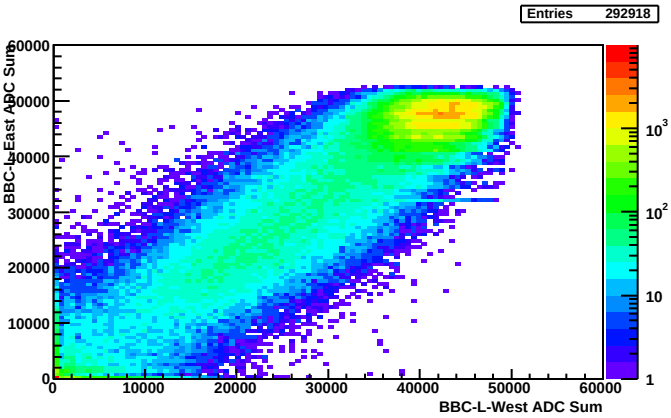
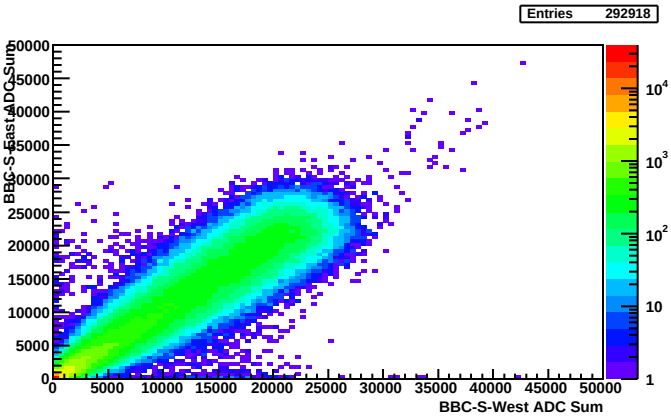
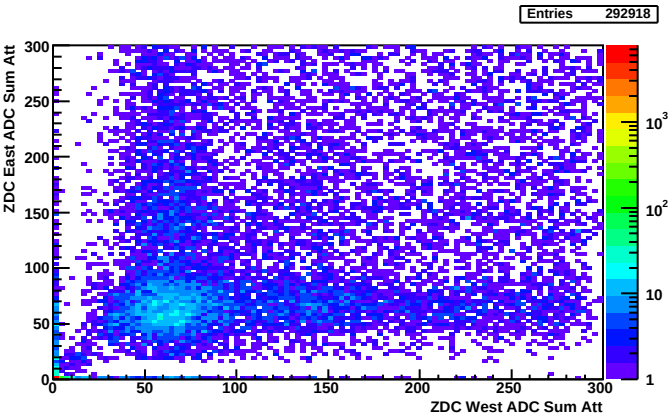
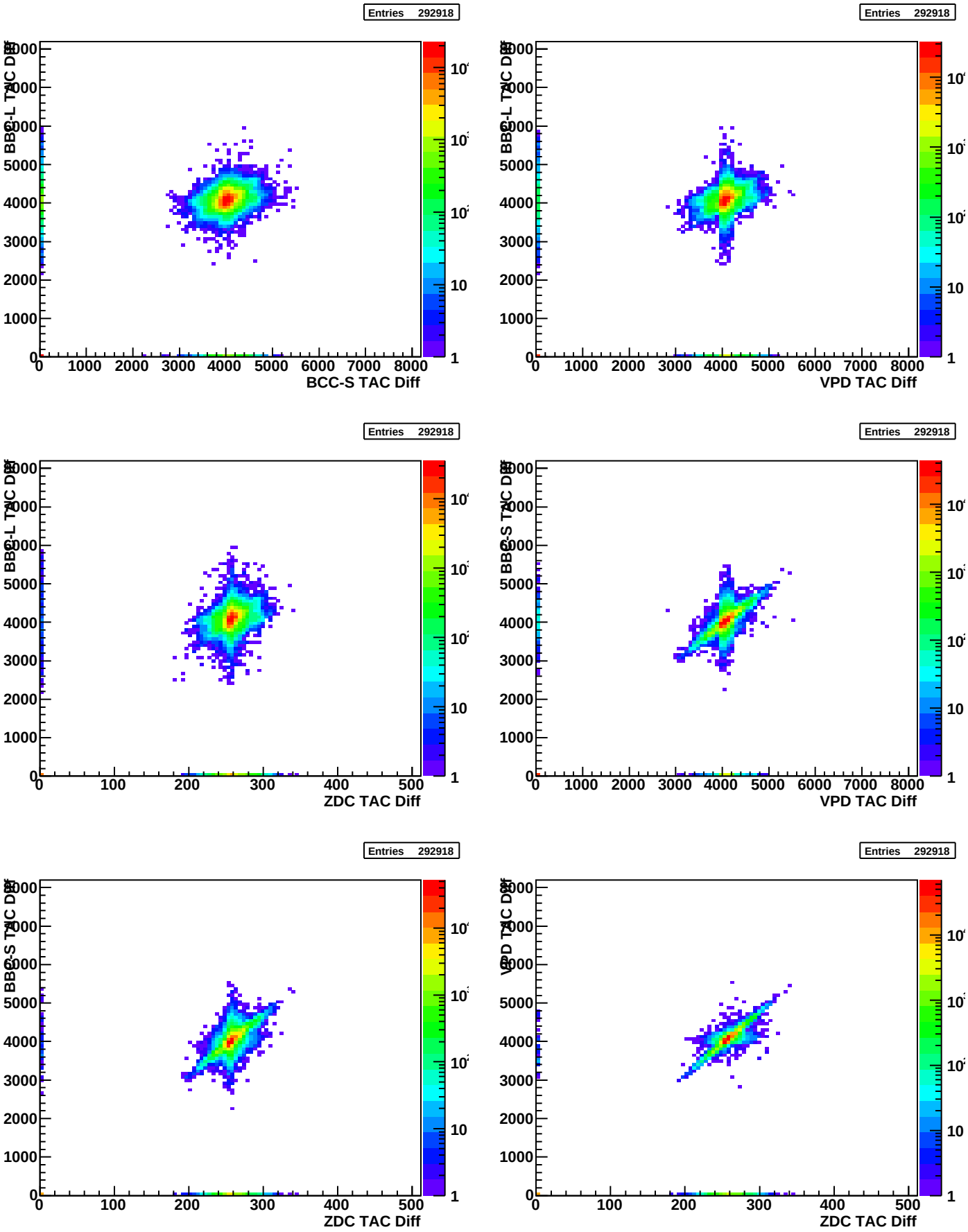
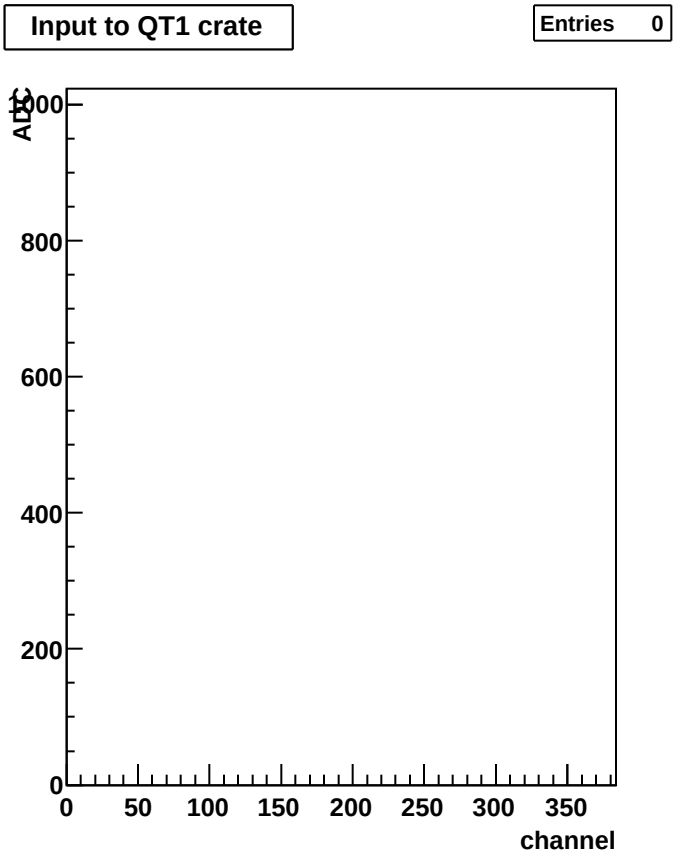
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

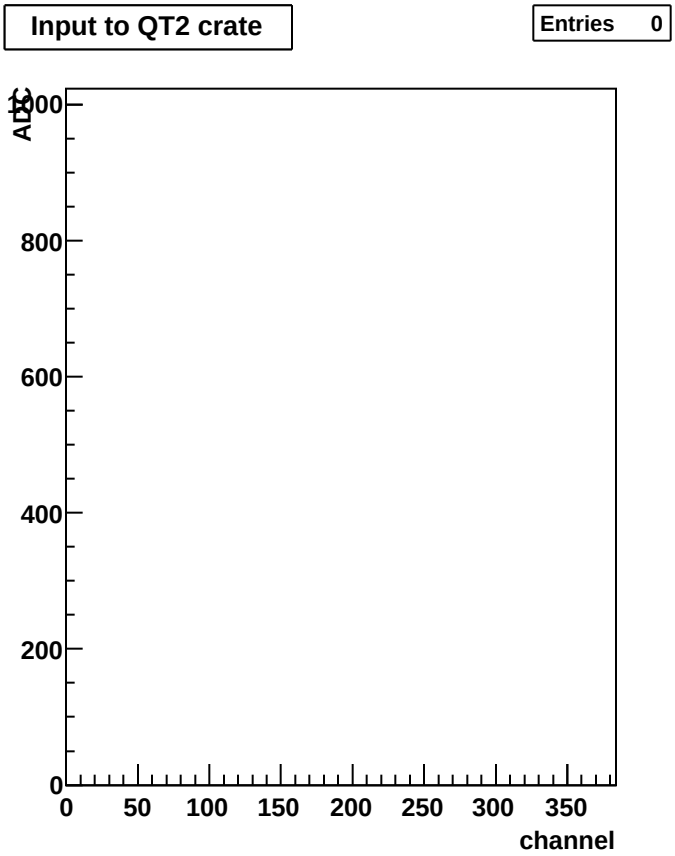

Entries 292918
BBC-L-East ADC Sum
BBC-L-West ADC Sum

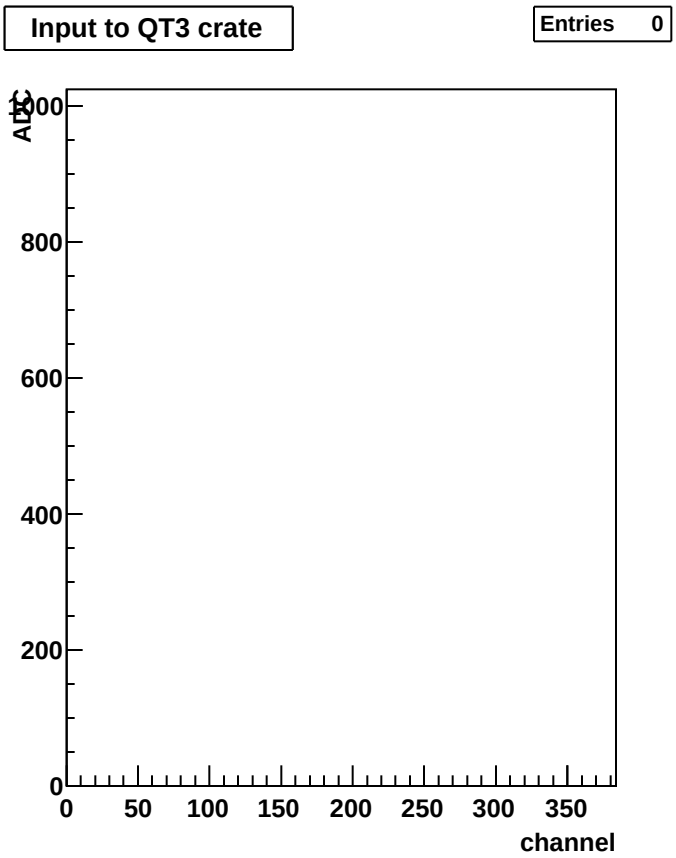

Entries 292918
BBC-S-East ADC Sum
BBC-S-West ADC Sum

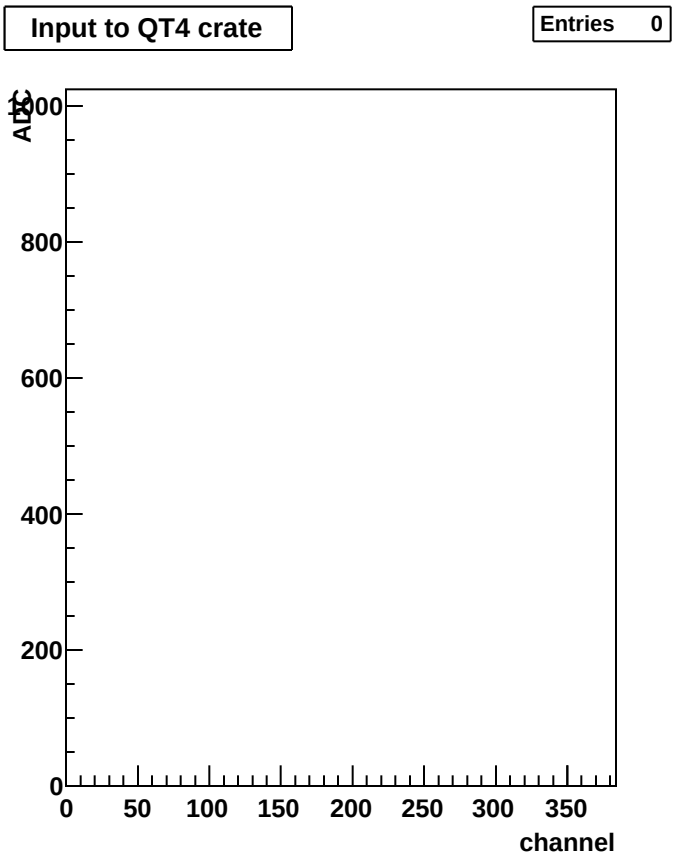

Entries 292918
ZDC East ADC Sum Att
ZDC West ADC Sum Att

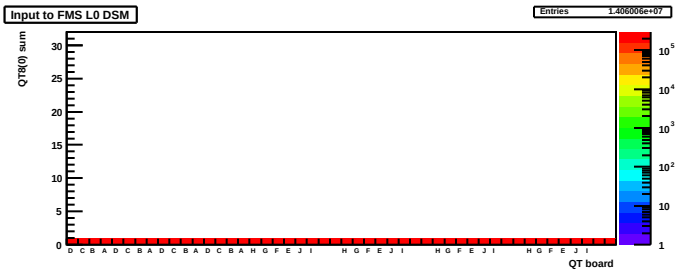

Entries 292918
BBC-L TAC Diff
BCC-S TAC Diff
Entries 292918
BBC-L TAC Diff
VPD TAC Diff
Entries 292918
BBC-L TAC Diff
ZDC TAC Diff
Entries 292918
BBC-S TAC Diff
VPD TAC Diff
Entries 292918
BBC-S TAC Diff
ZDC TAC Diff
Entries 292918
VPD TAC Diff
ZDC TAC Diff

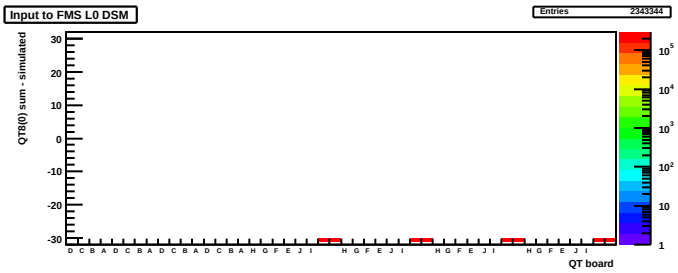

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

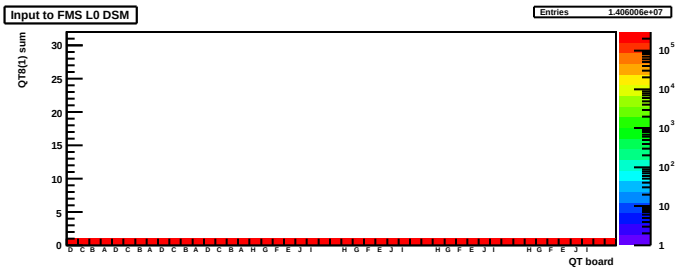

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

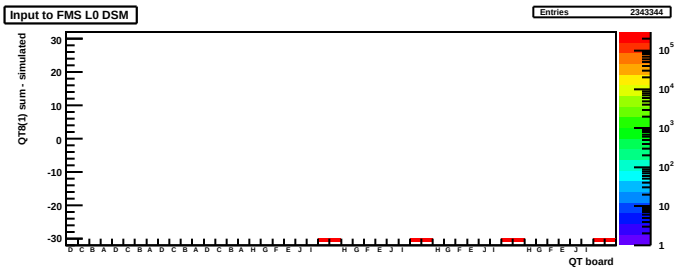

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

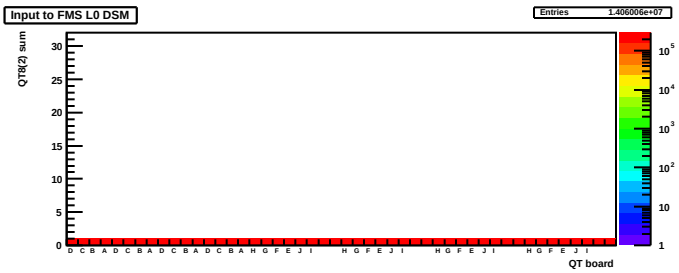

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

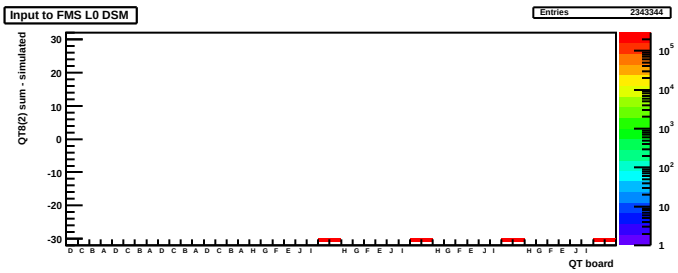

Input to FMS L0 DSM
Entries 1.406006e+07
QT8(0) sum
QT board

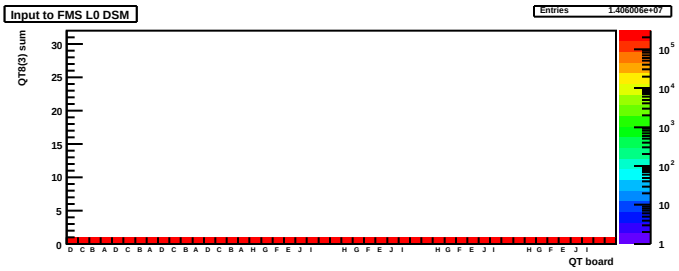

Input to FMS L0 DSM
Entries 2343344
QT8(0) sum - simulated
QT board

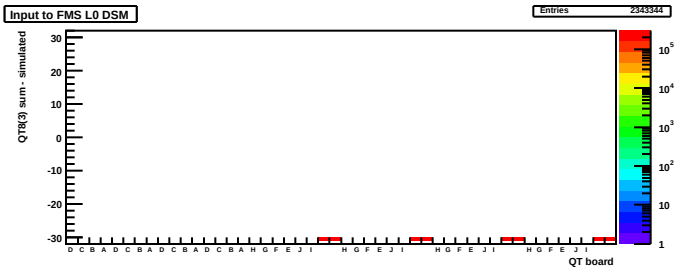

Input to FMS L0 DSM
Entries 1.406006e+07
QT8(1) sum
QT board

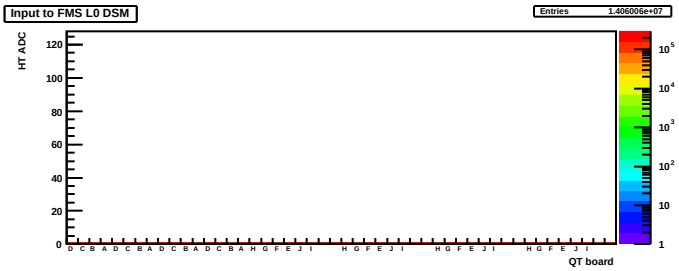

Input to FMS L0 DSM
Entries 2343344
QT8(1) sum - simulated
QT board

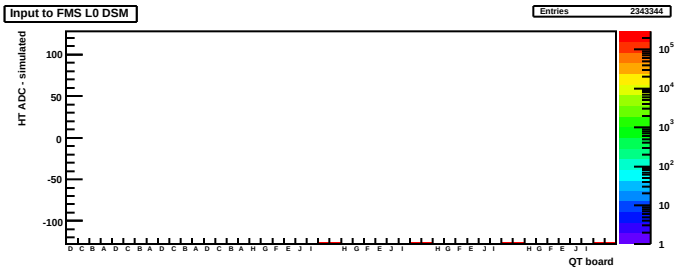

Input to FMS L0 DSM
Entries 1.406006e+07
QT8(2) sum
QT board

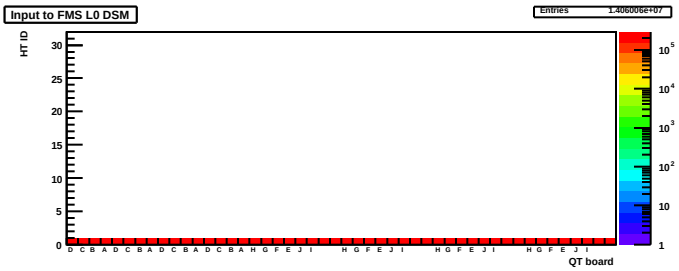

Input to FMS L0 DSM
Entries 2343344
QT8(2) sum - simulated
QT board

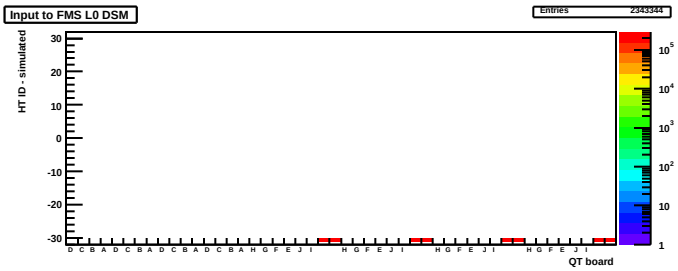

Input to FMS L0 DSM
Entries 1.406006e+07
QT8(3) sum
QT board

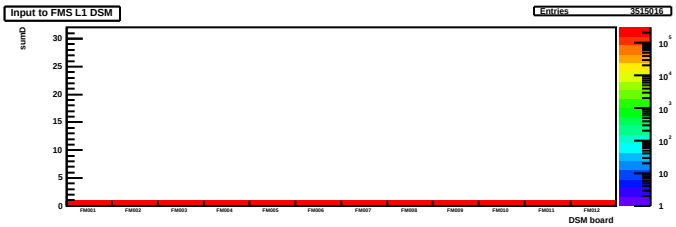

Input to FMS L0 DSM
Entries 2343344
QT8(3) sum - simulated
QT board

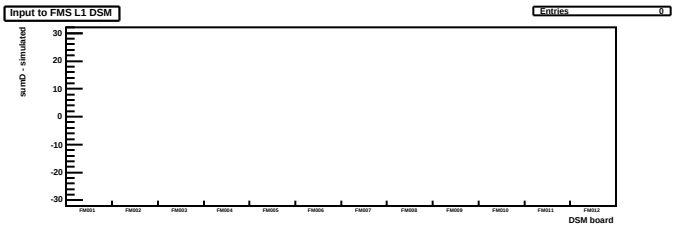

Input to FMS L0 DSM
Entries 1.406006e+07
HT ADC
QT board

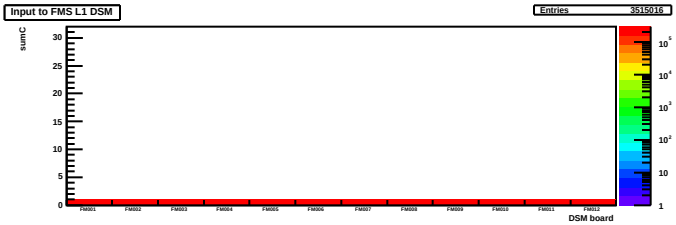

Input to FMS L0 DSM
Entries 2343344
HT ADC - simulated
QT board

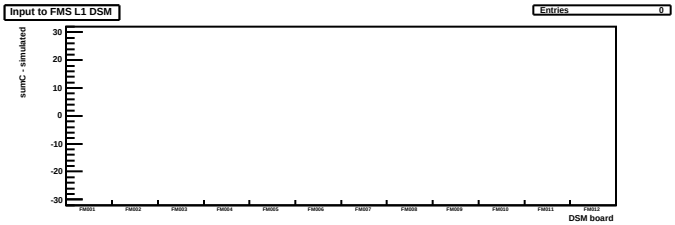

Input to FMS L0 DSM
Entries 1.406006e+07
HT ID
QT board

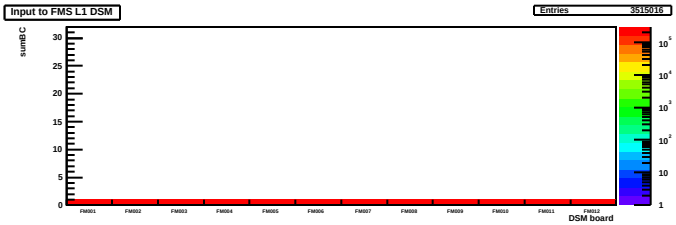

Input to FMS L0 DSM
Entries 2343344
HT ID - simulated
QT board

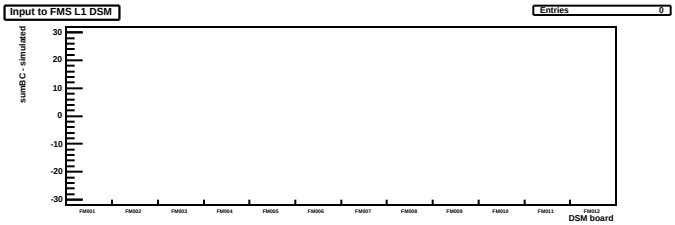

Input to FMS L1 DSM
Entries 3515016
sumD
DSM board

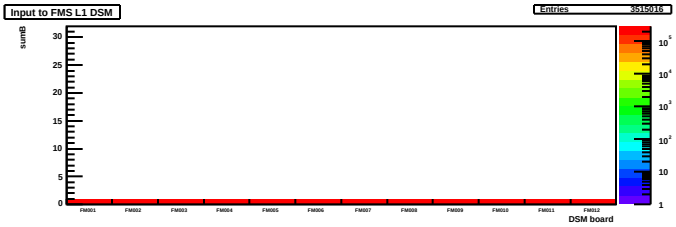

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

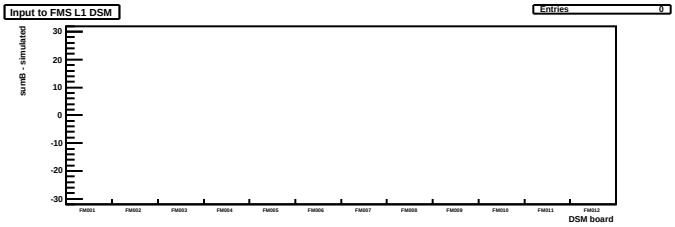

Input to FMS L1 DSM
Entries 3515016
sumC
DSM board

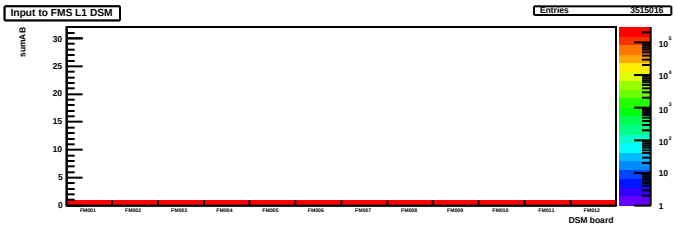

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

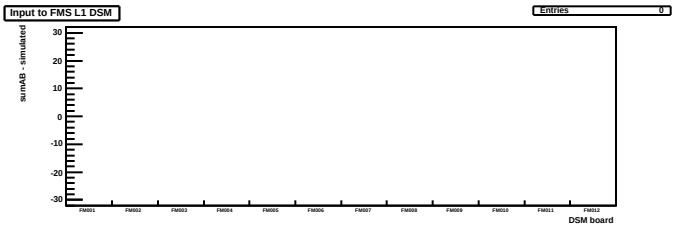

Input to FMS L1 DSM
Entries 3515016
sumBC
DSM board

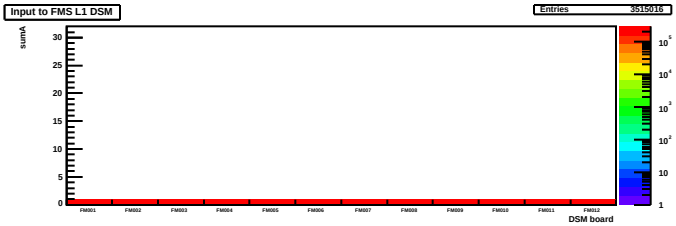

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

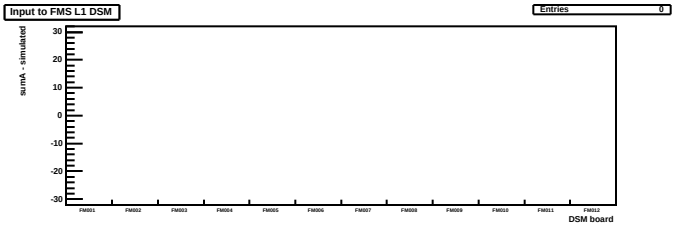

Input to FMS L1 DSM
Entries 3515016
sumB
DSM board

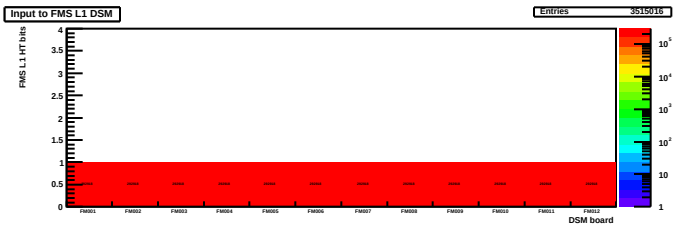

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

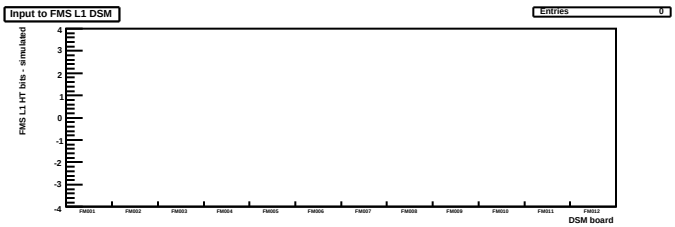

Input to FMS L1 DSM
Entries 3515016
sumAB
DSM board

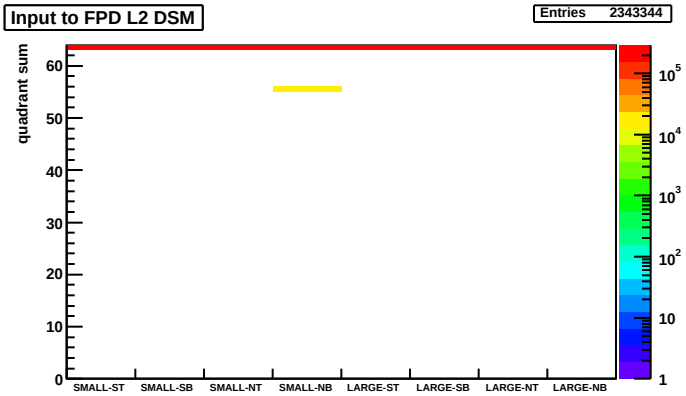

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

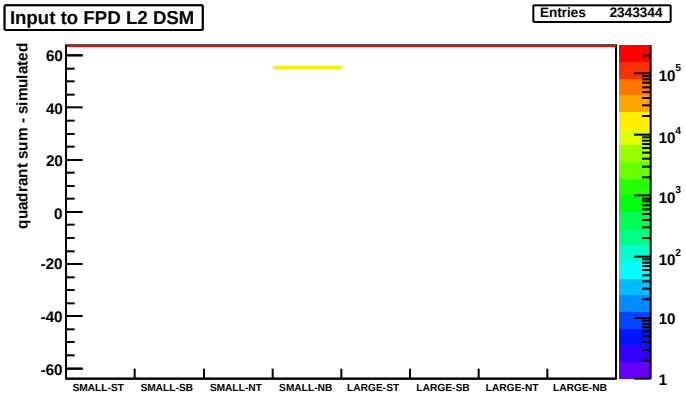

Input to FMS L1 DSM
Entries 3515016
sumA
DSM board

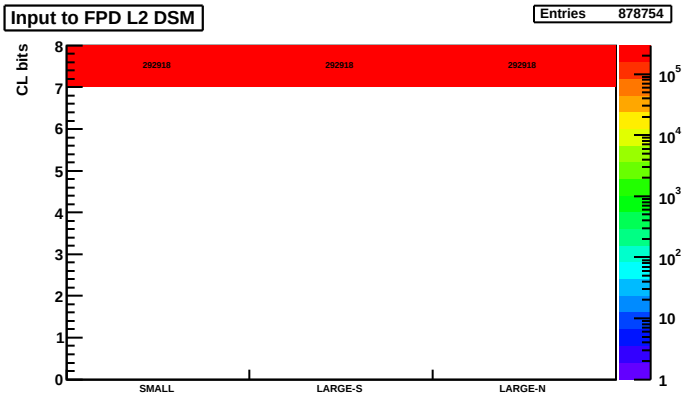

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

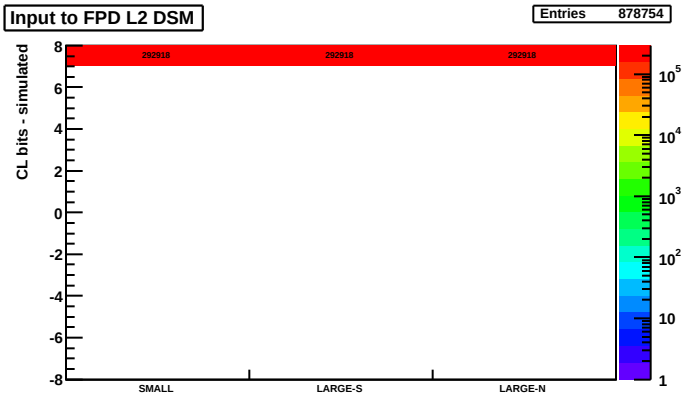

Input to FMS L1 DSM
Entries 3515016
FMS L1 HT bits
DSM board

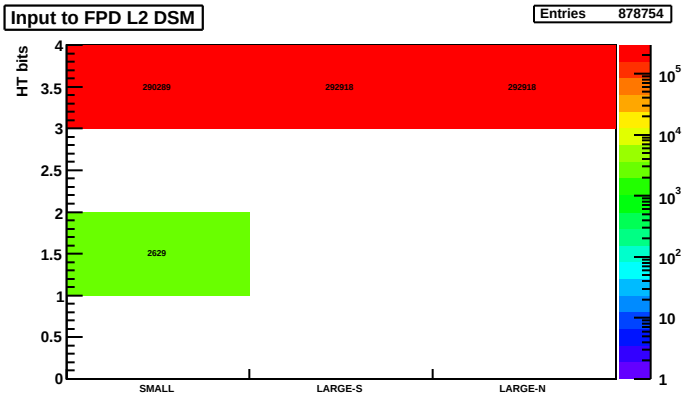

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

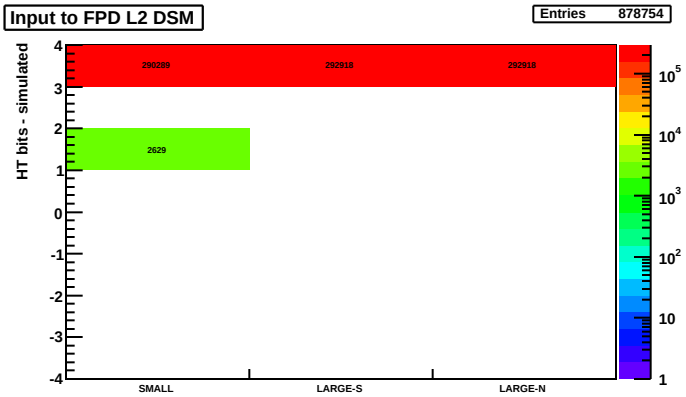

Input to FPD L2 DSM
Entries 2343344
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

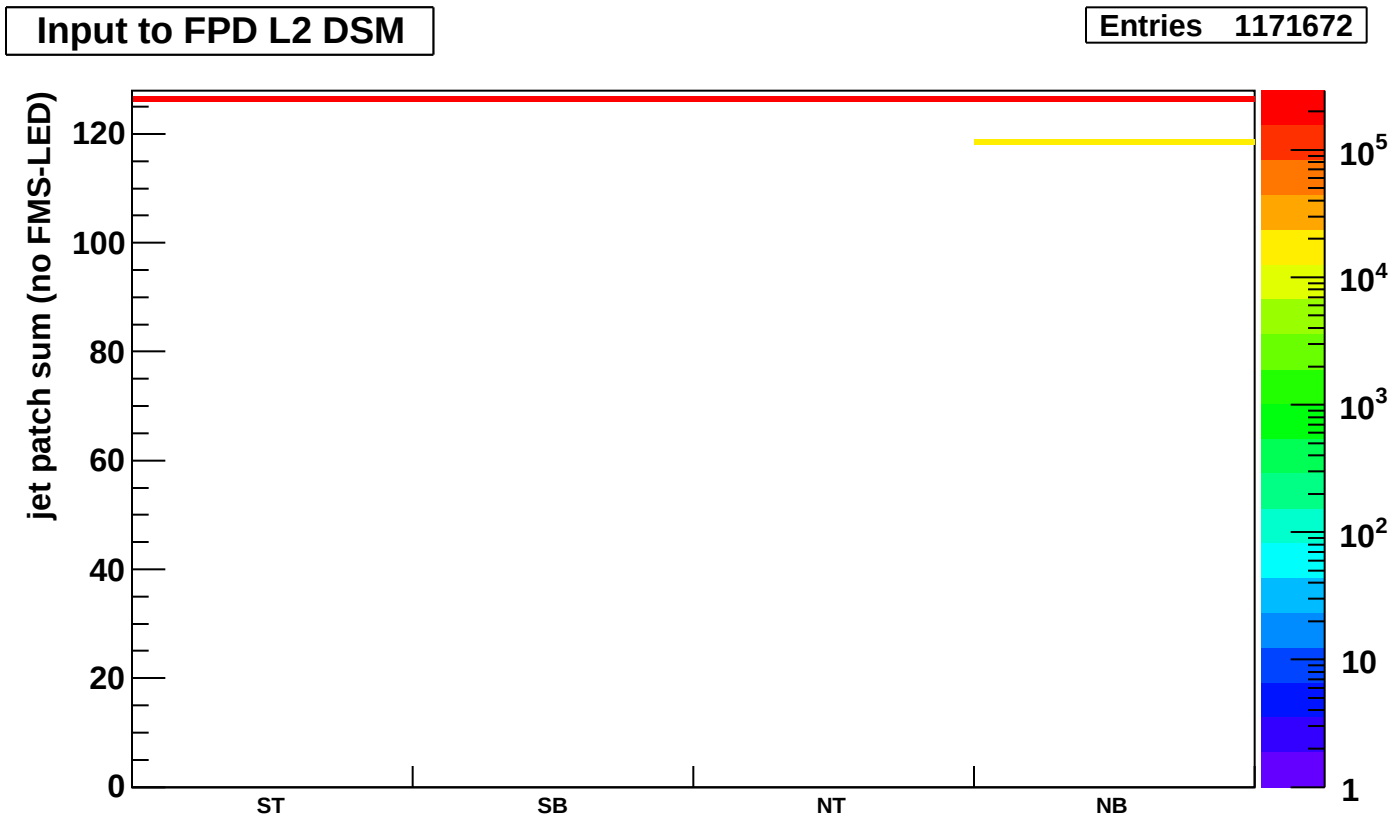

Input to FPD L2 DSM
Entries 2343344
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

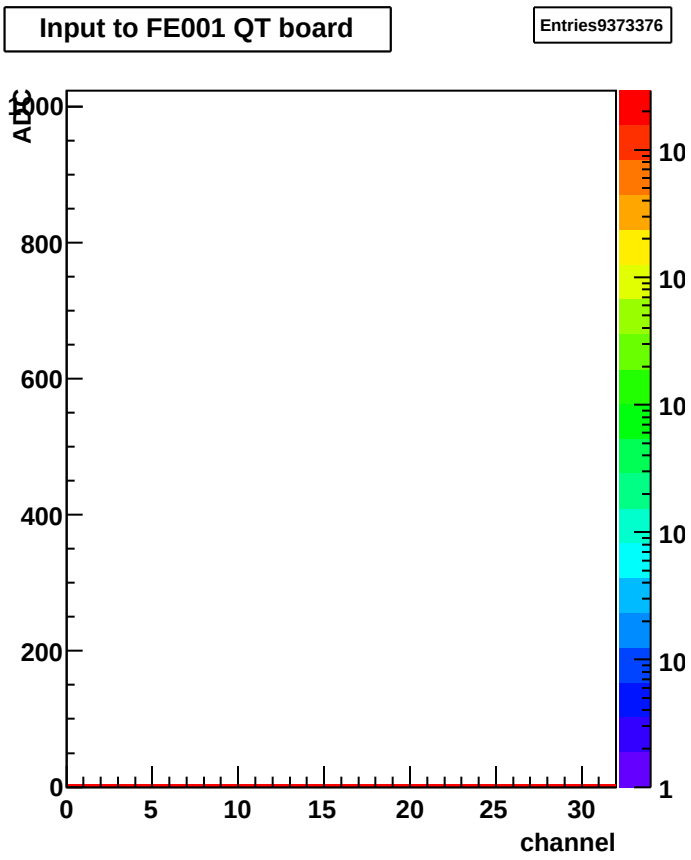

Input to FPD L2 DSM
Entries 878754
CL bits
292918
292918
292918
SMALL
LARGE-S
LARGE-N

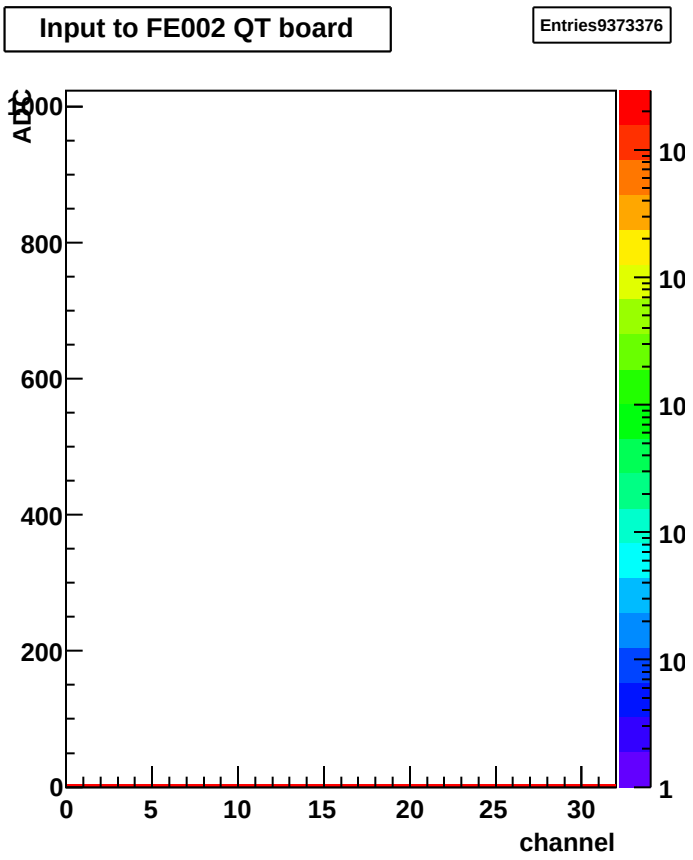

Input to FPD L2 DSM
Entries 878754
CL bits - simulated
292918
292918
292918
SMALL
LARGE-S
LARGE-N

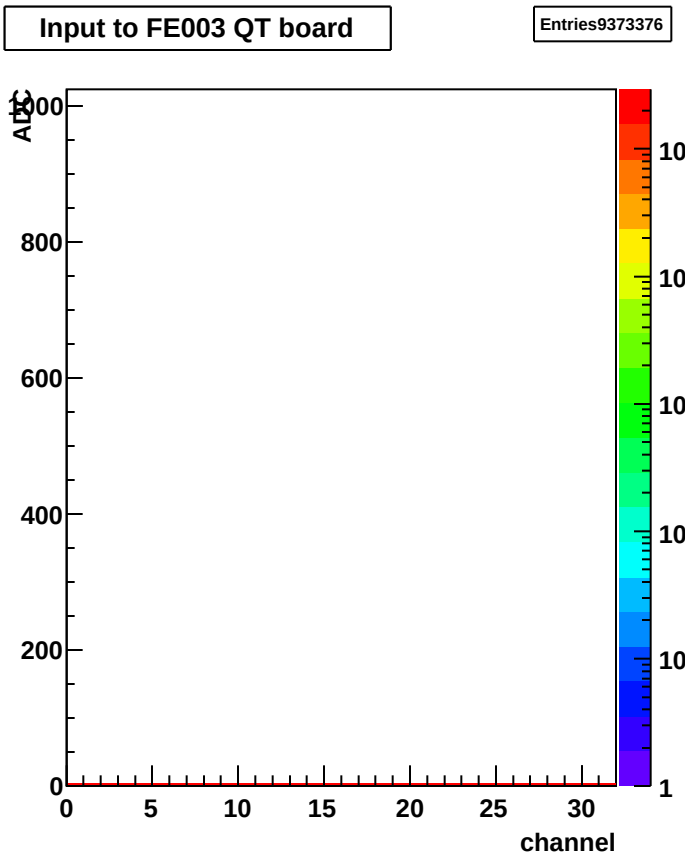

Input to FPD L2 DSM
Entries 878754
HT bits
290289
292918
292918
2629
SMALL
LARGE-S
LARGE-N

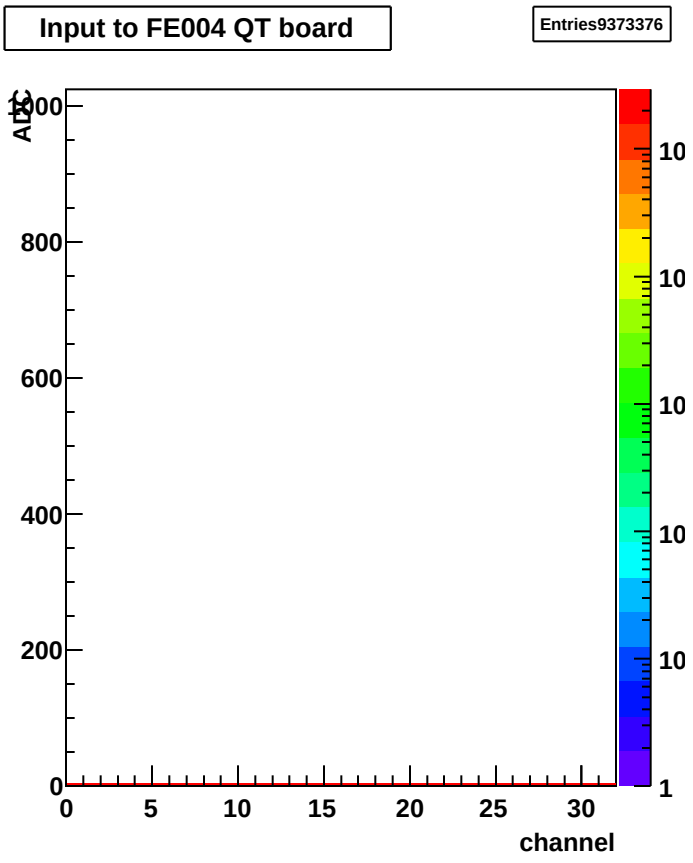

Input to FPD L2 DSM
Entries 878754
HT bits - simulated
290289
292918
292918
2629
SMALL
LARGE-S
LARGE-N


Input to FPD L2 DSM
Entries 1171672
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

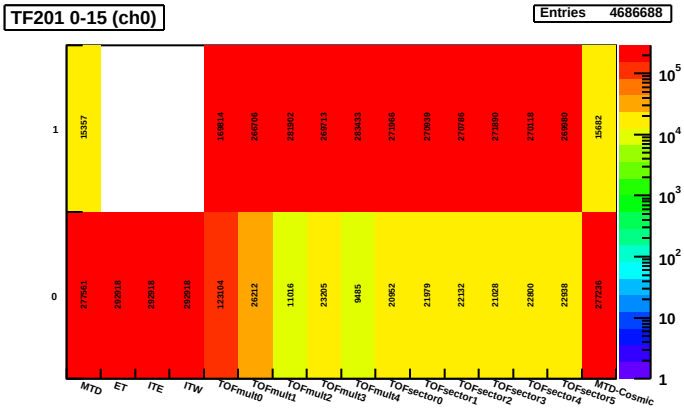

Input to FE001 QT board
Entries9373376
ADC
channel


Input to FE002 QT board
Entries9373376
ADC
channel

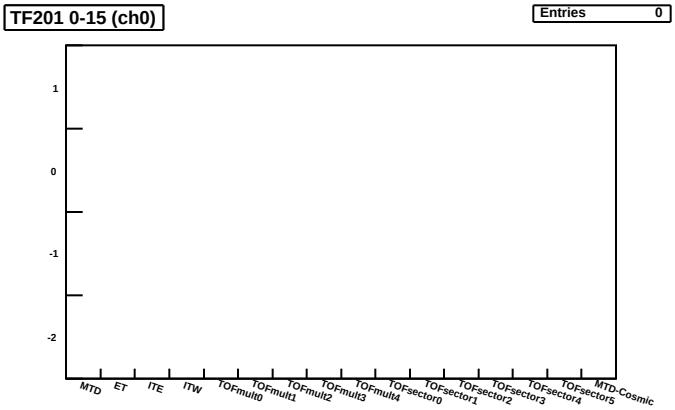

Input to FE003 QT board
Entries9373376
ADC
channel


Input to FE004 QT board
Entries9373376
ADC
channel

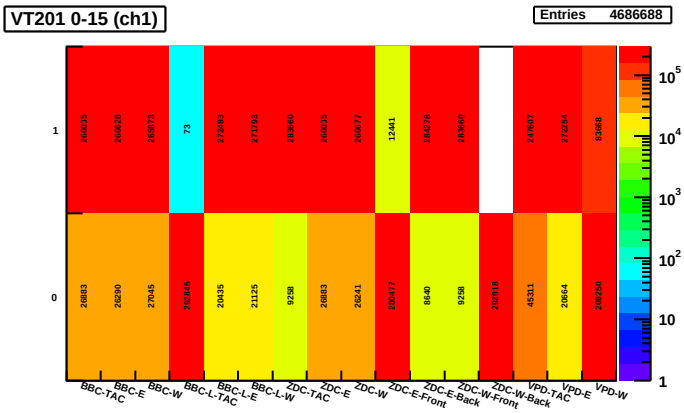
TF201 0-15 (ch0)



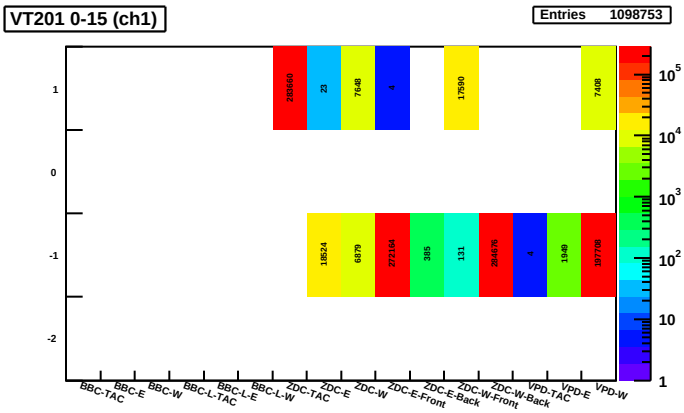
TF201 0-15 (ch0)



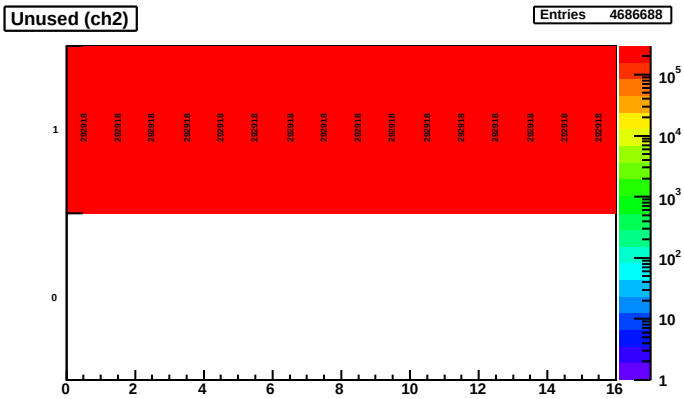
VT201 0-15 (ch1)

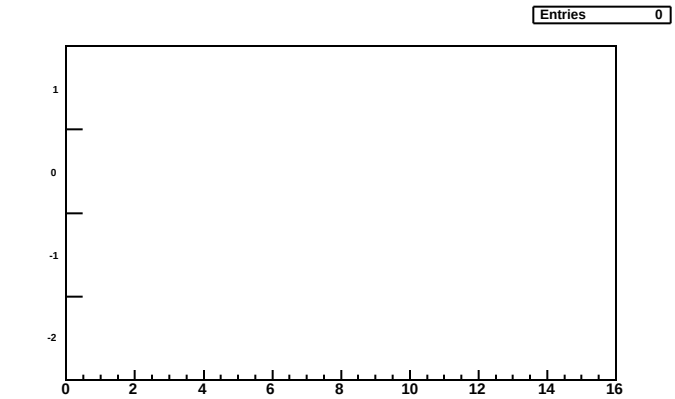


VT201 0-15 (ch1)

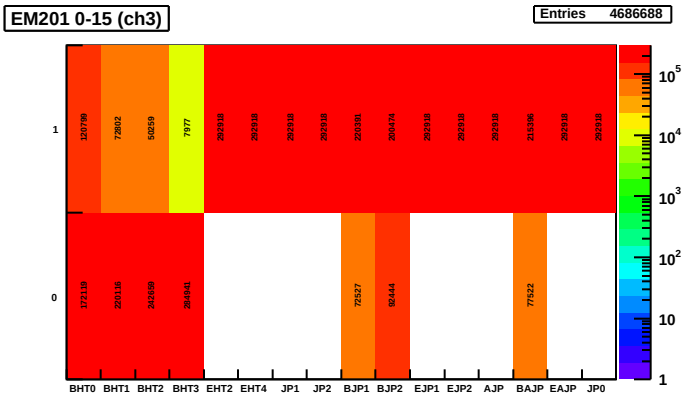


Unused (ch2)

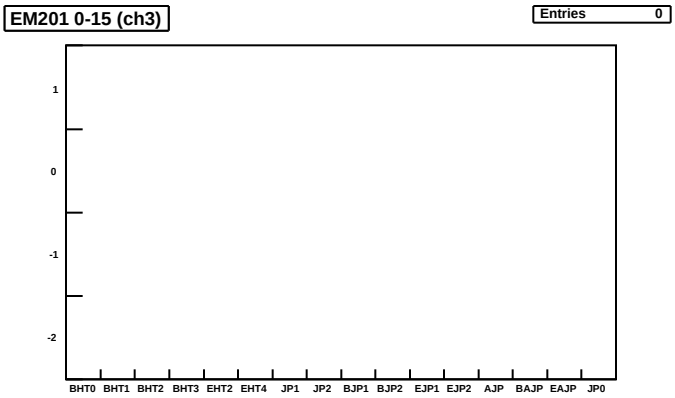




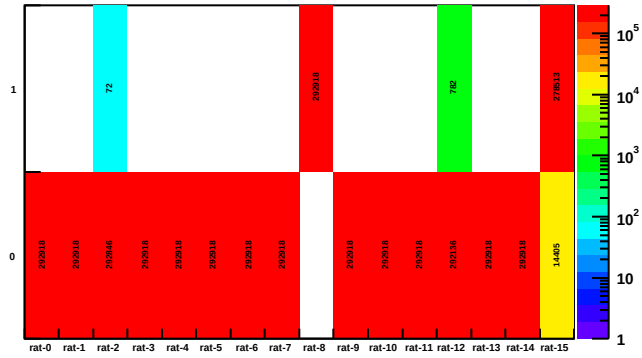
EM201 0-15 (ch3)

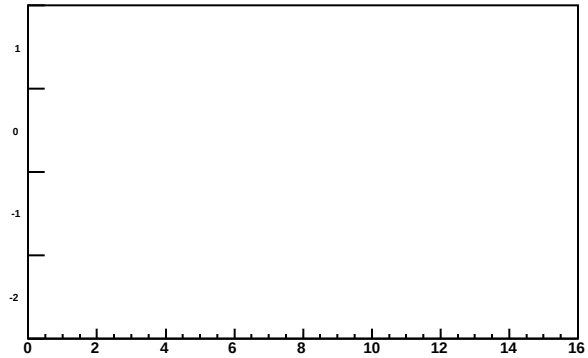


EM201 0-15 (ch3)

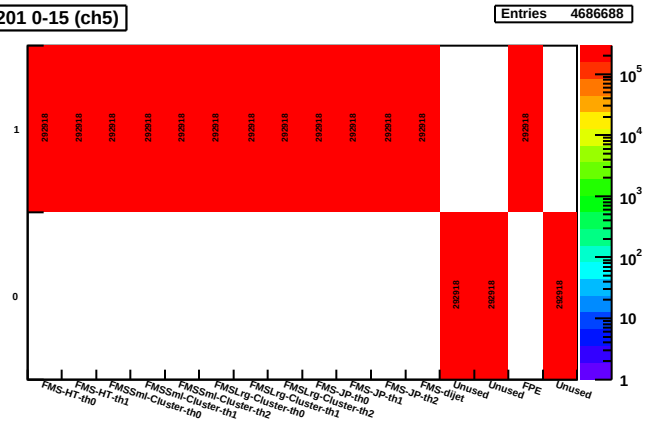


RAT board (ch4)

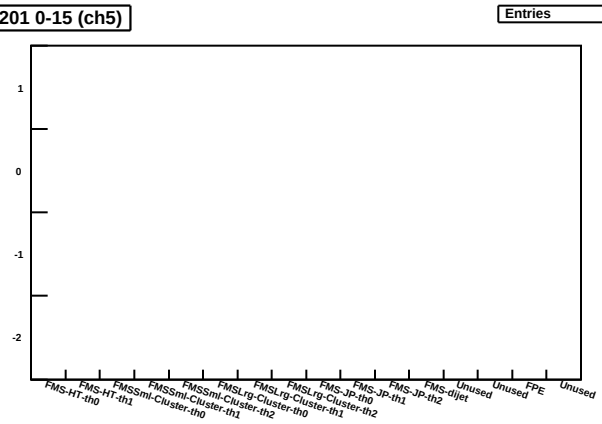




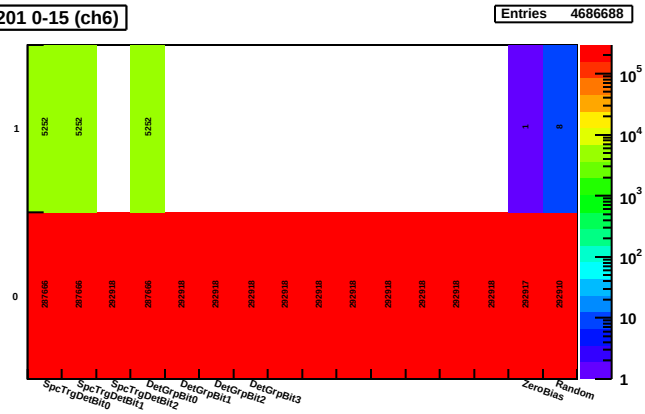
FP201 0-15 (ch5)

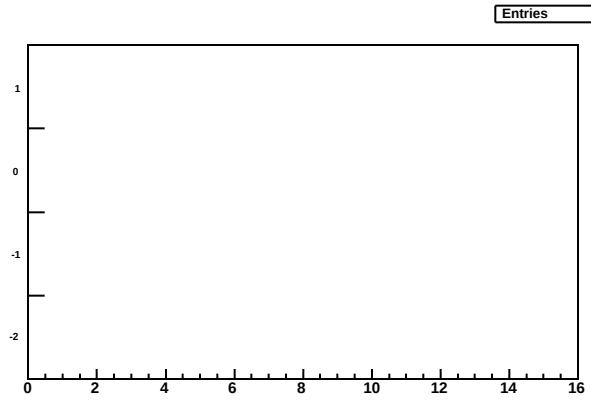
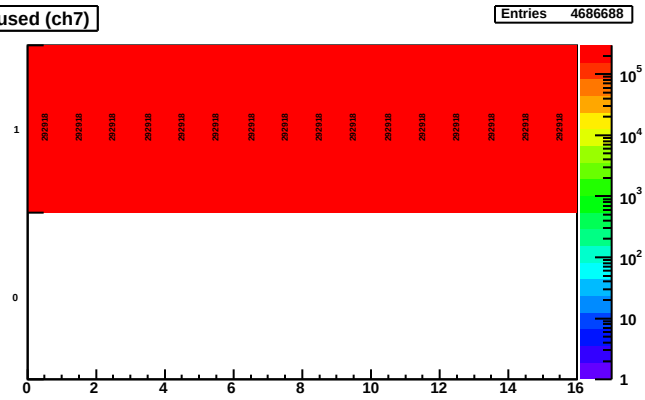
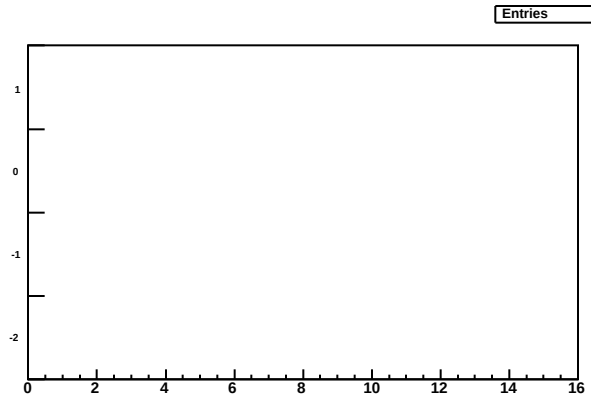


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)