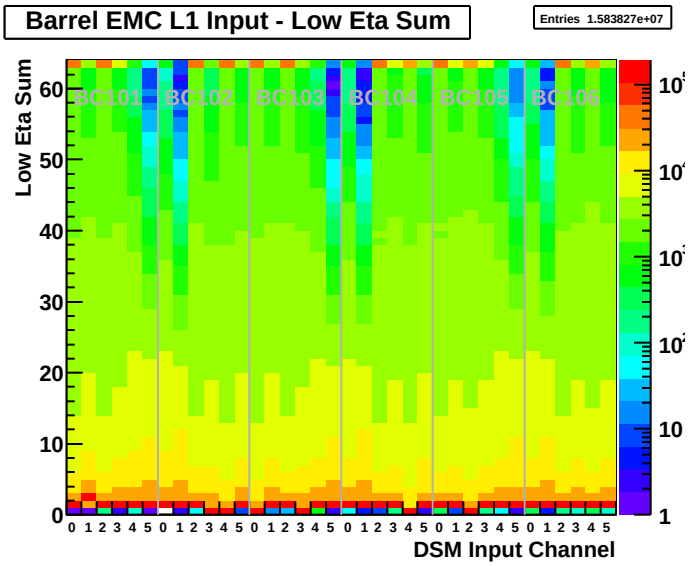
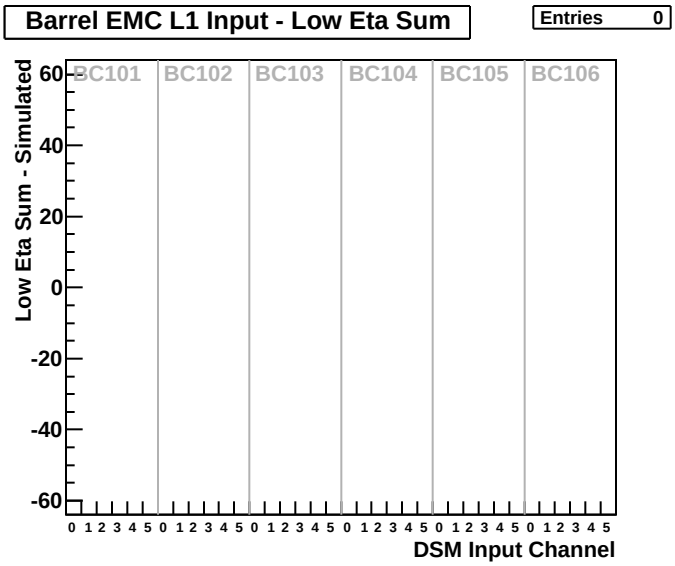
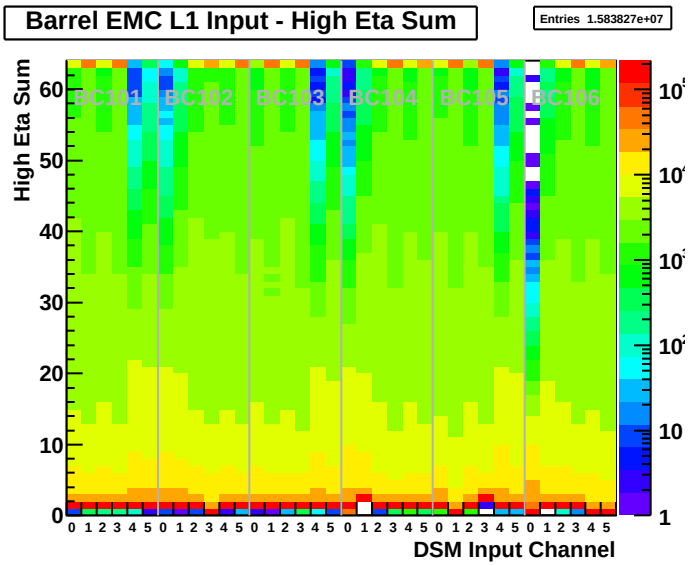
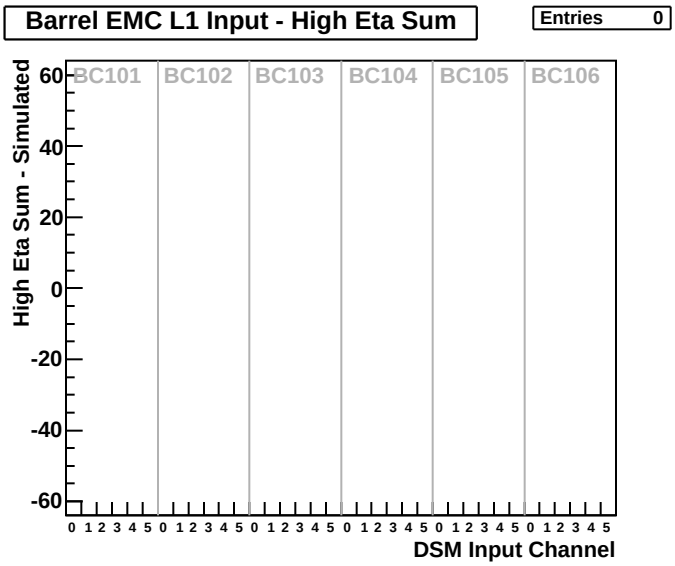
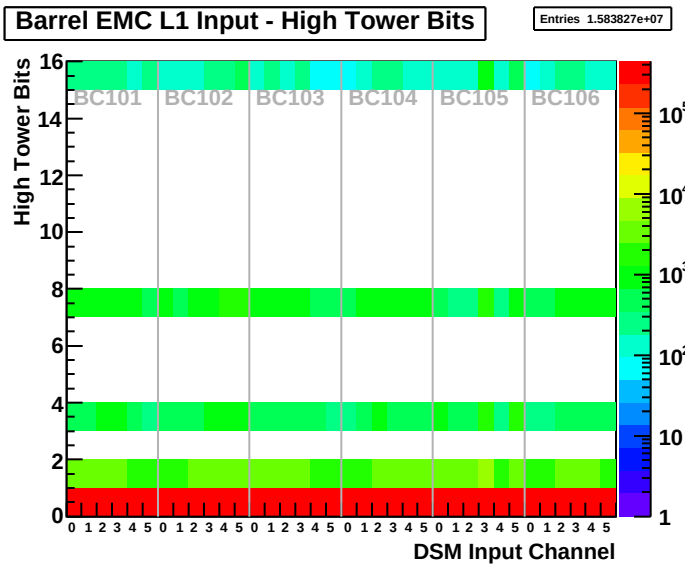
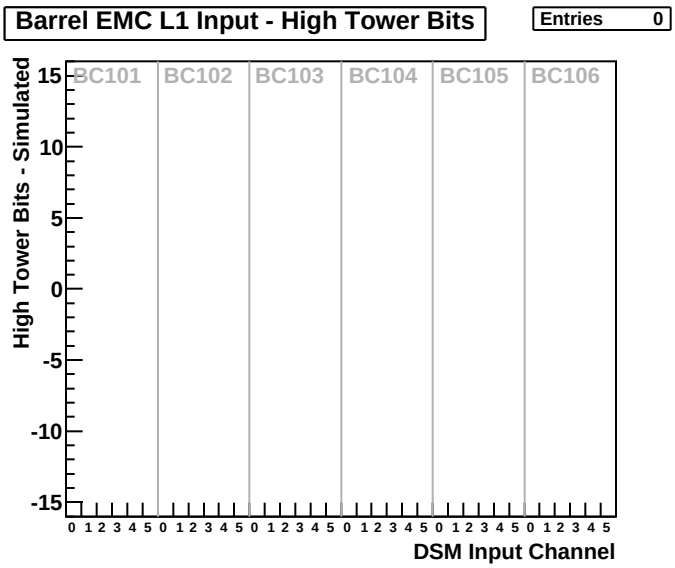

Barrel EMC L1 Input - Low Eta Sum
Entries 1.583827e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

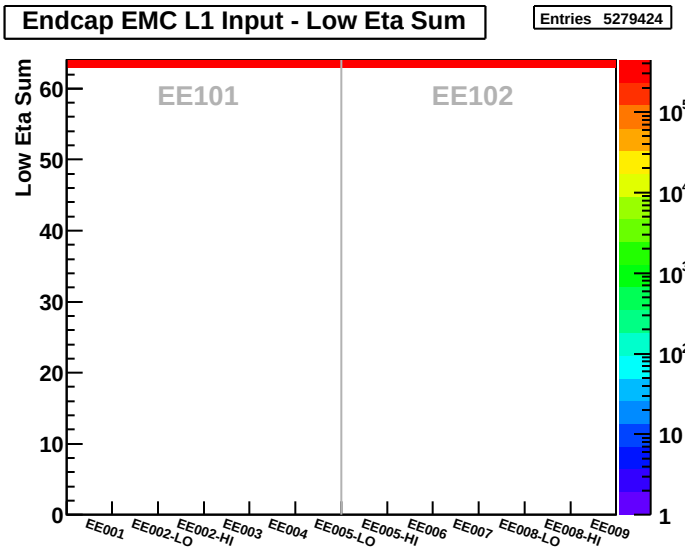

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

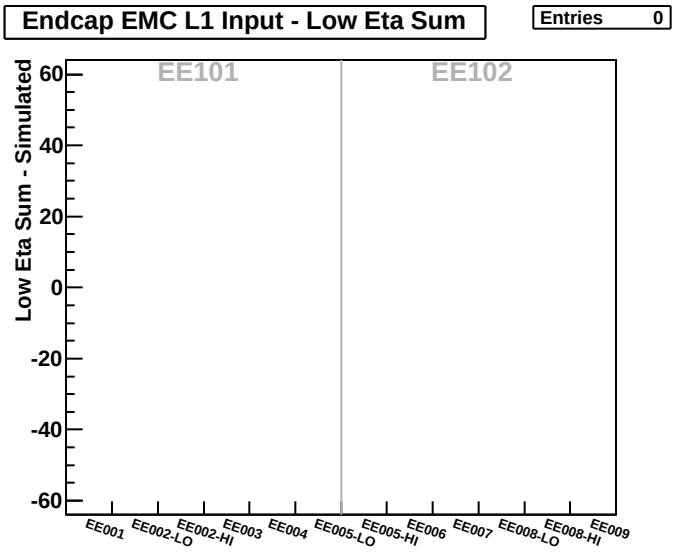

Barrel EMC L1 Input - High Eta Sum
Entries 1.583827e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

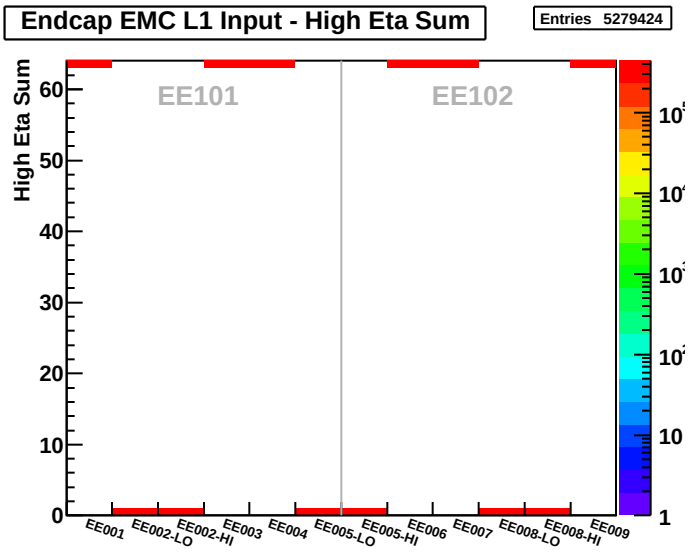

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

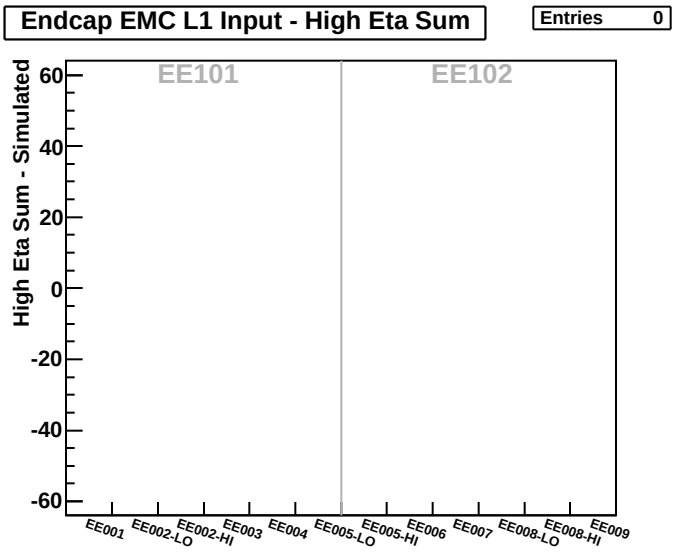

Barrel EMC L1 Input - High Tower Bits
Entries 1.583827e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

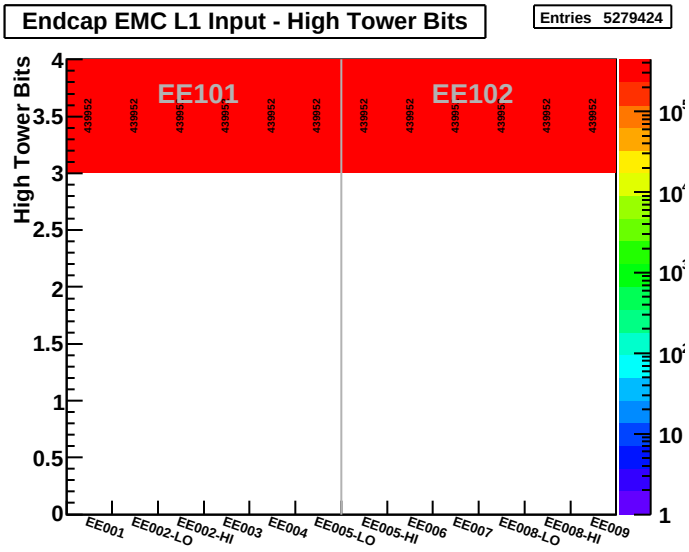

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

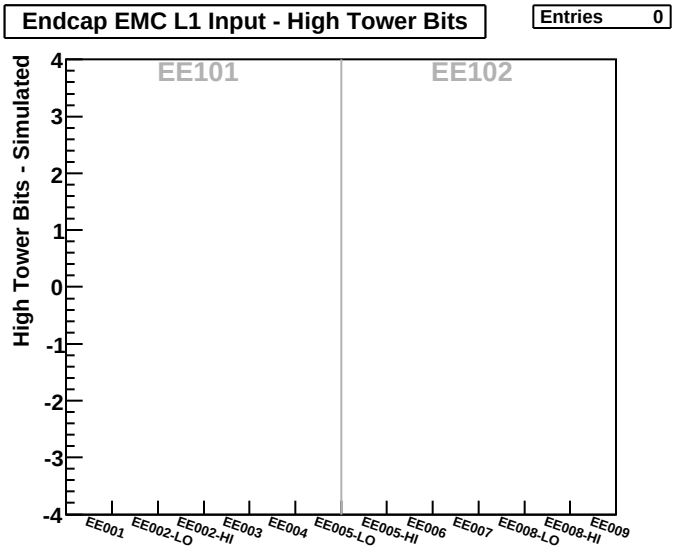

Endcap EMC L1 Input - Low Eta Sum
Entries 5279424
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

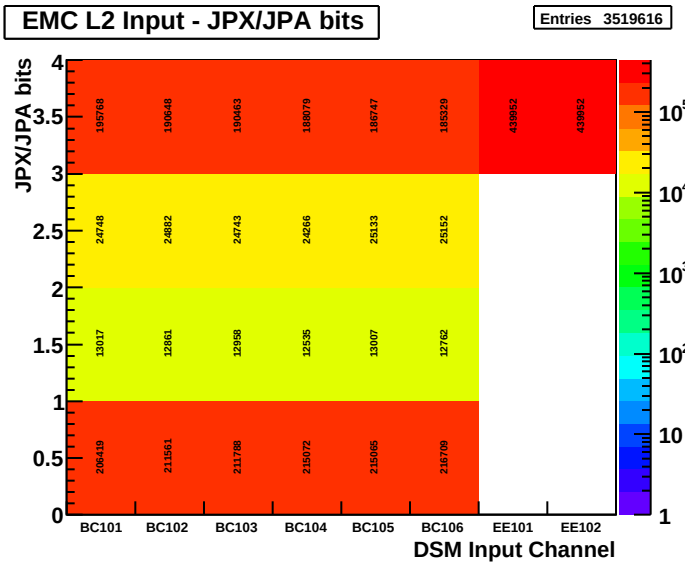

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

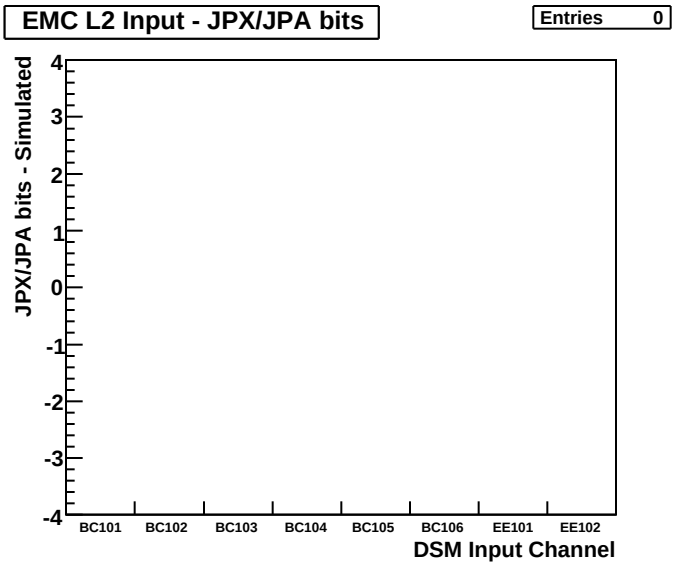

Endcap EMC L1 Input - High Eta Sum
Entries 5279424
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

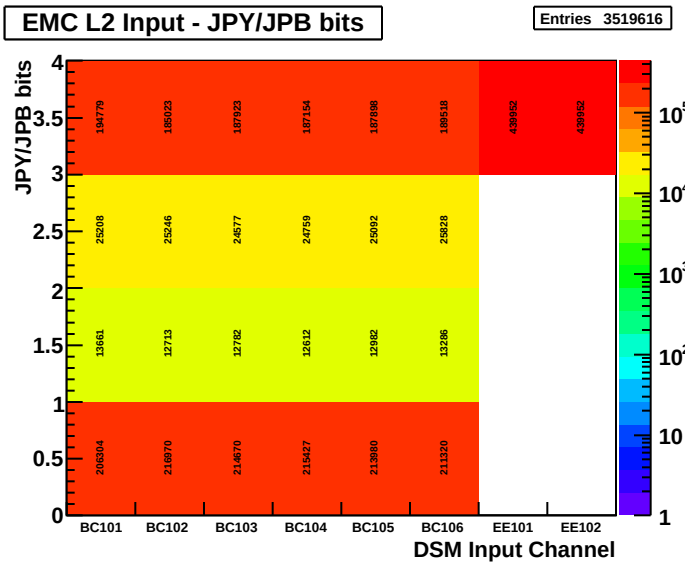

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

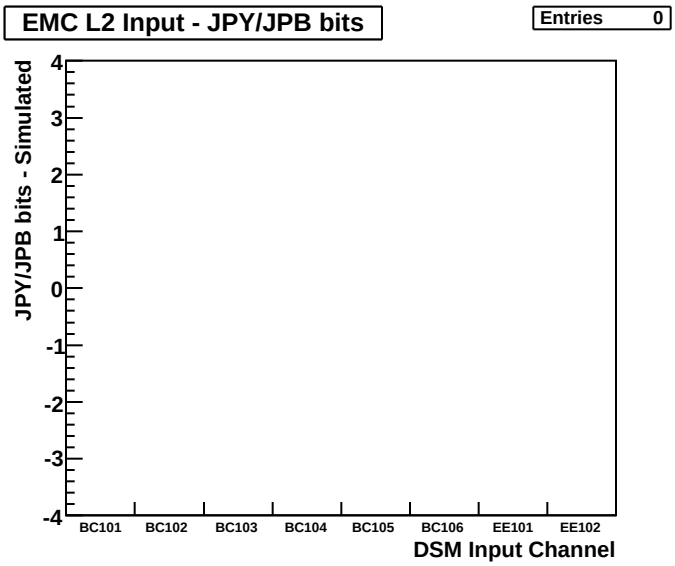

Endcap EMC L1 Input - High Tower Bits
Entries 5279424
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

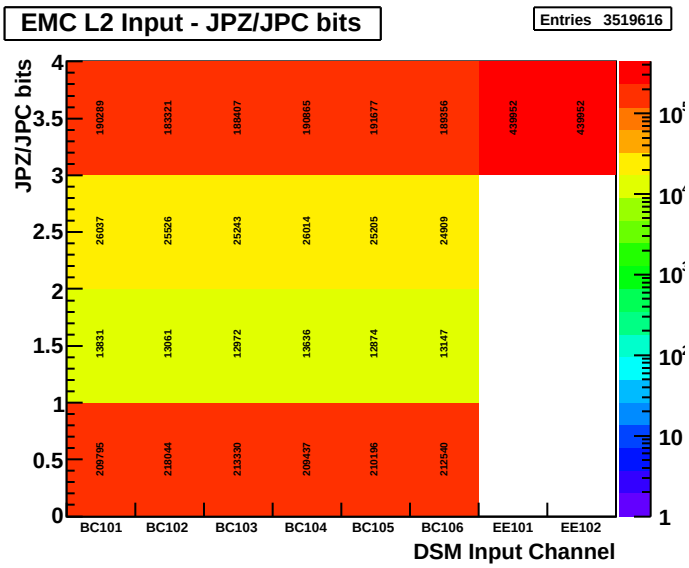

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

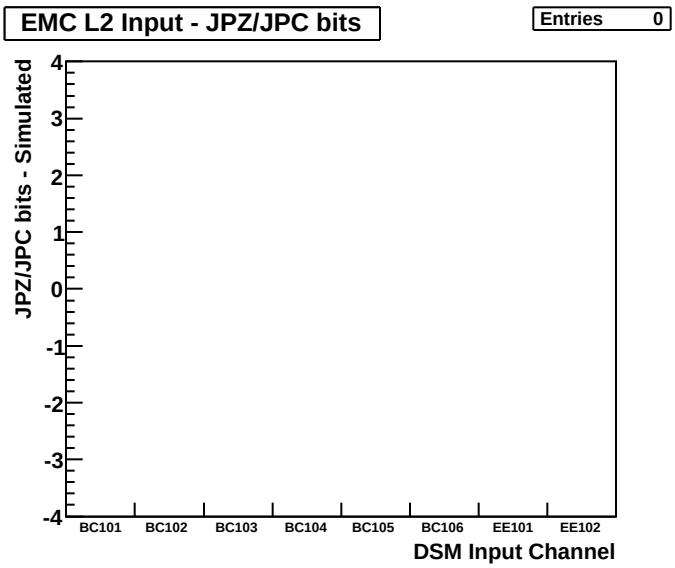

EMC L2 Input - JPX/JPA bits
Entries 3519616
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
195768 190648 190463 188079 186747 185329 439952 439952
24748 24882 24743 24266 25133 25152
13017 12861 12958 12535 13007 12762
206419 211561 211788 215072 215065 216709

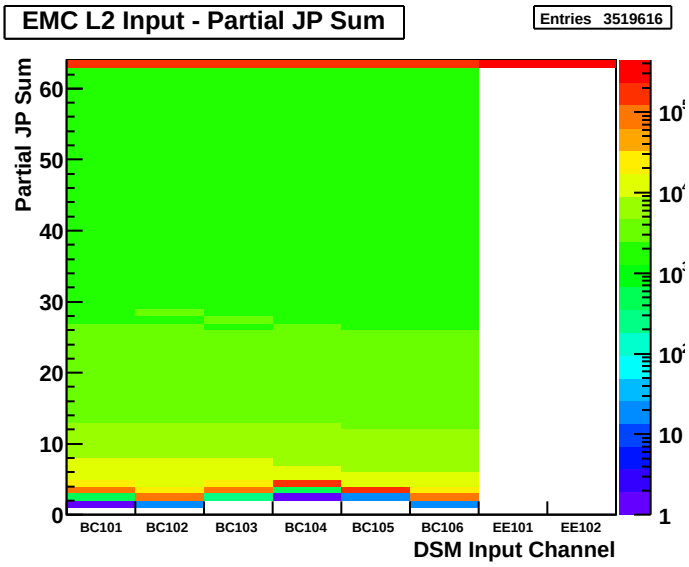

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

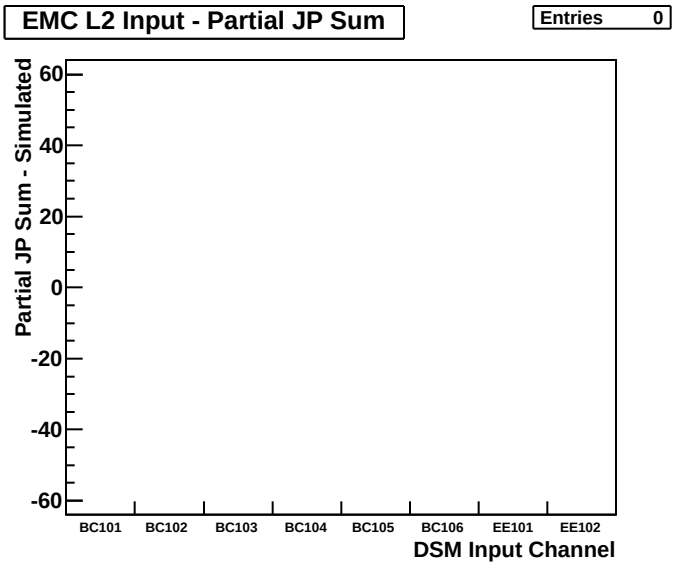

EMC L2 Input - JPY/JPB bits
Entries 3519616
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
194779 185023 187923 187154 187898 189518 439952 439952
25208 25246 24577 24759 25092 23828
13661 12713 12782 12612 12982 13286
206304 216970 214670 215427 213980 211320

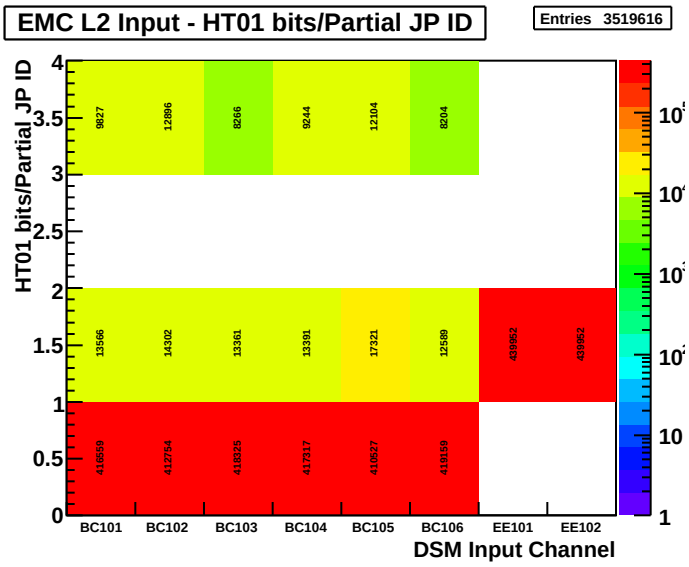

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

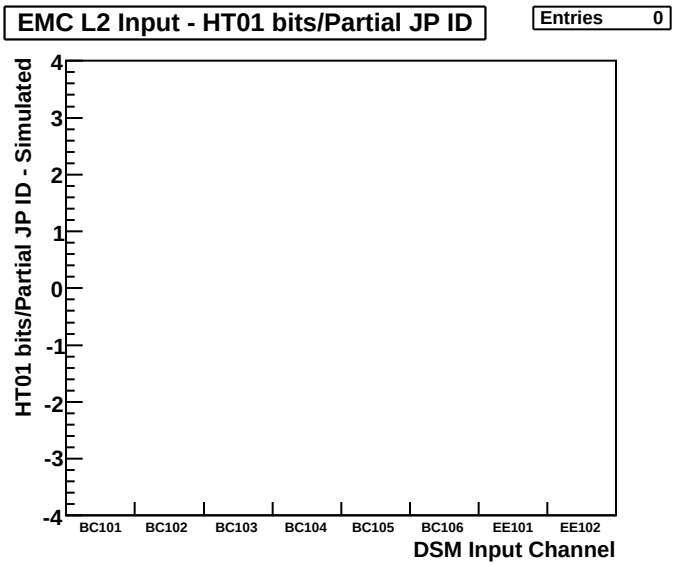

EMC L2 Input - JPZ/JPC bits
Entries 3519616
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
190289 183321 188407 190865 191677 189356 439952 439952
26037 25526 25243 26014 25205 24909
13831 13061 12972 13636 12874 13147
209795 218044 213330 209437 210196 212540

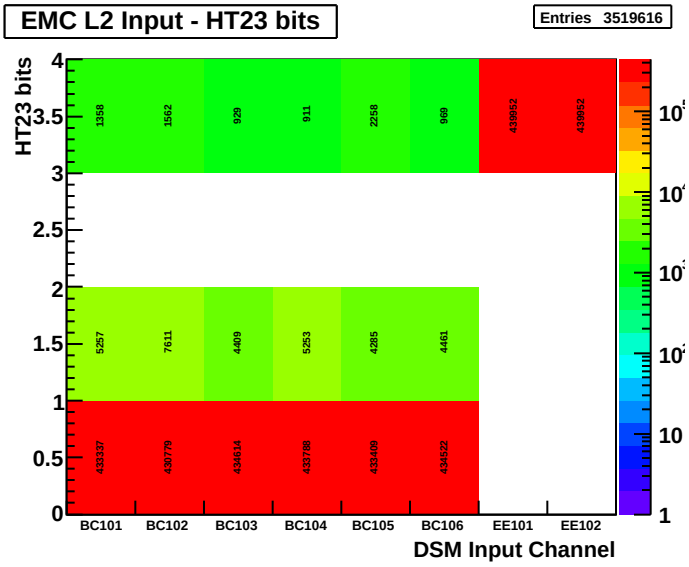

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

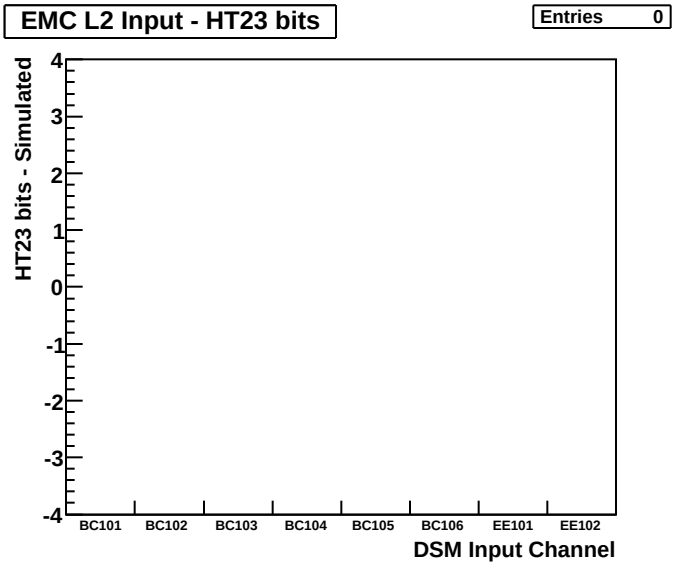

EMC L2 Input - Partial JP Sum
Entries 3519616
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

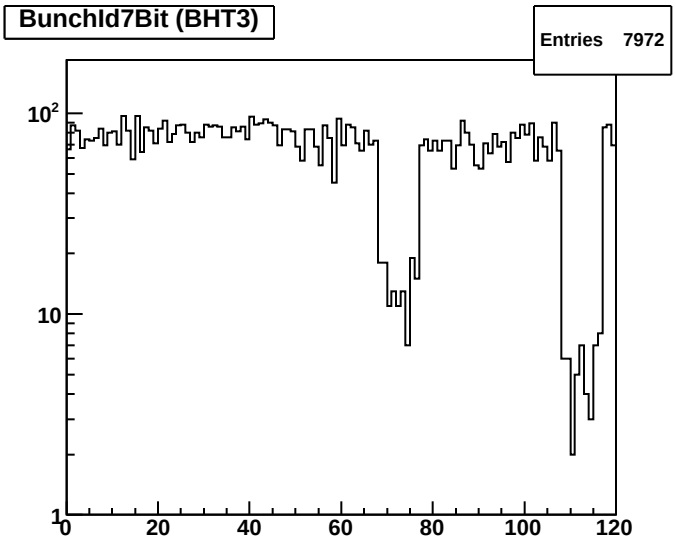

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

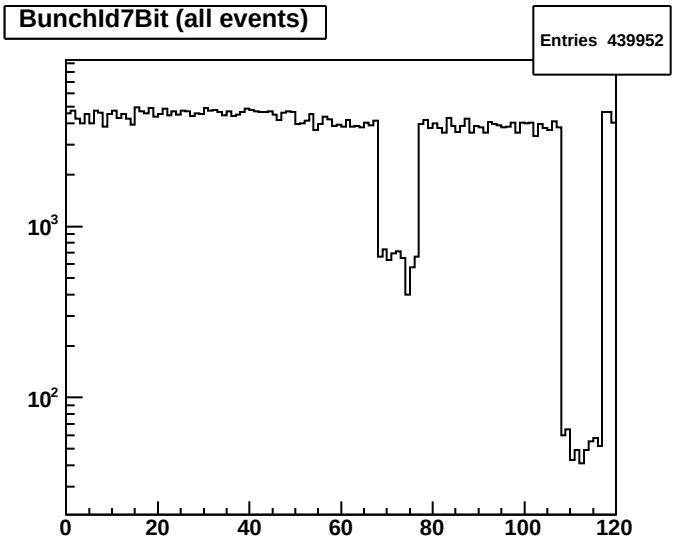

EMC L2 Input - HT01 bits/Partial JP ID
Entries 3519616
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

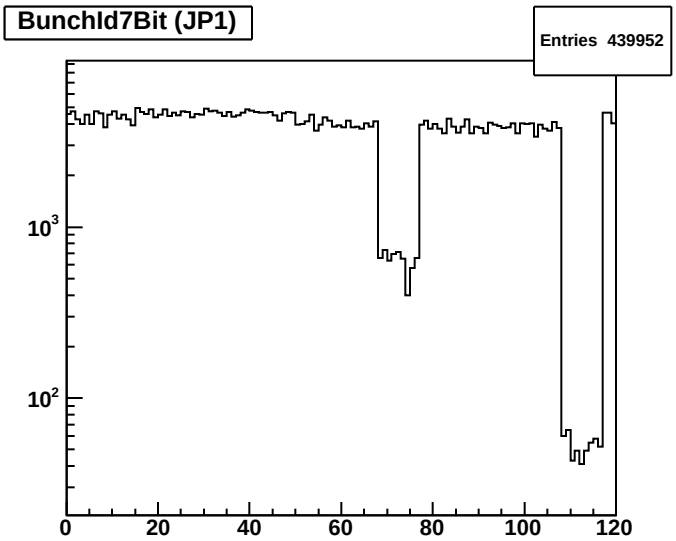

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

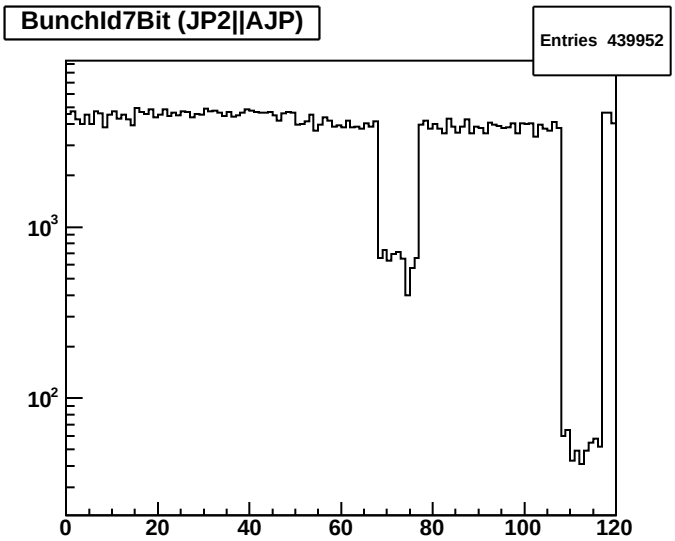

EMC L2 Input - HT23 bits
Entries 3519616
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

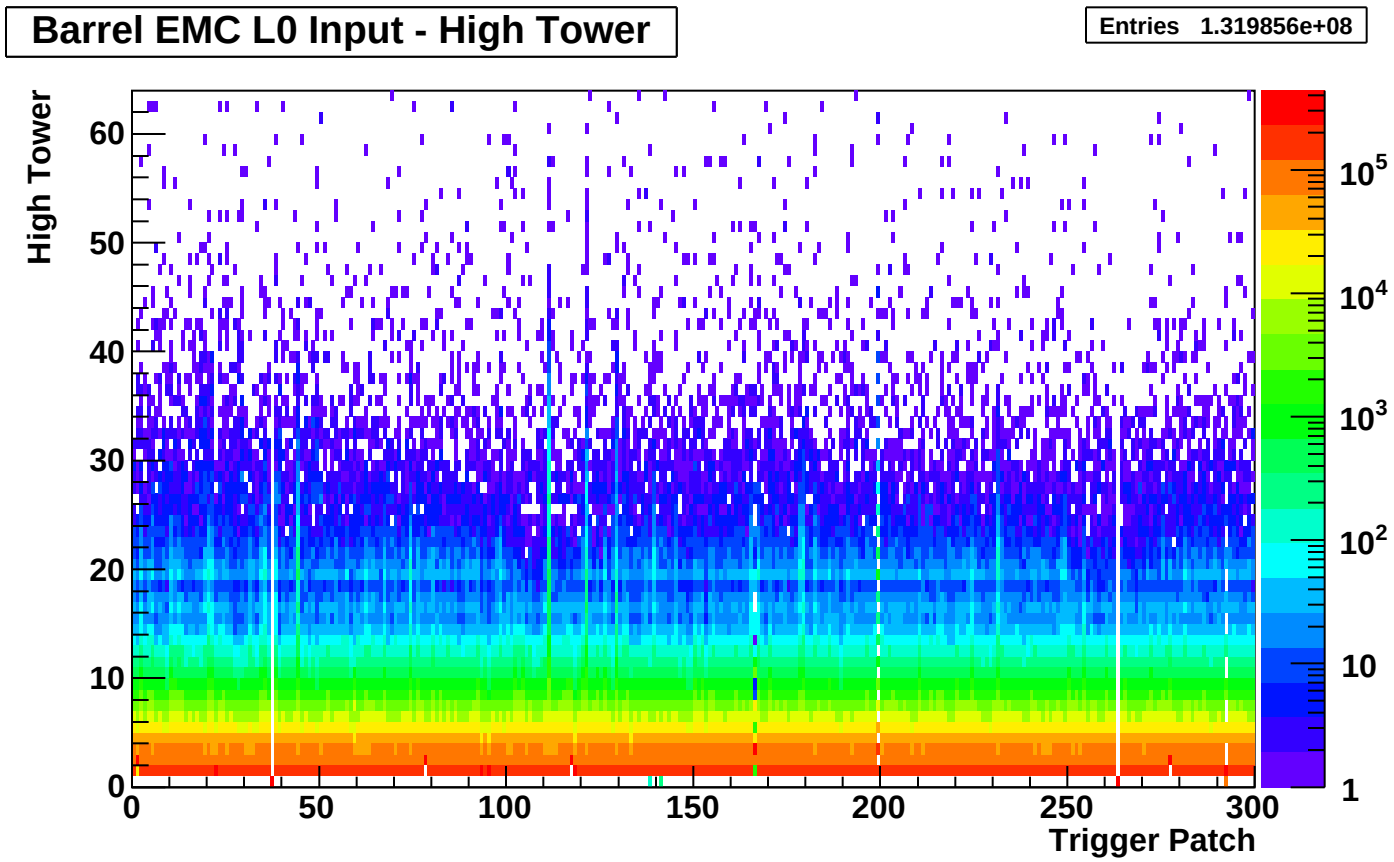

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

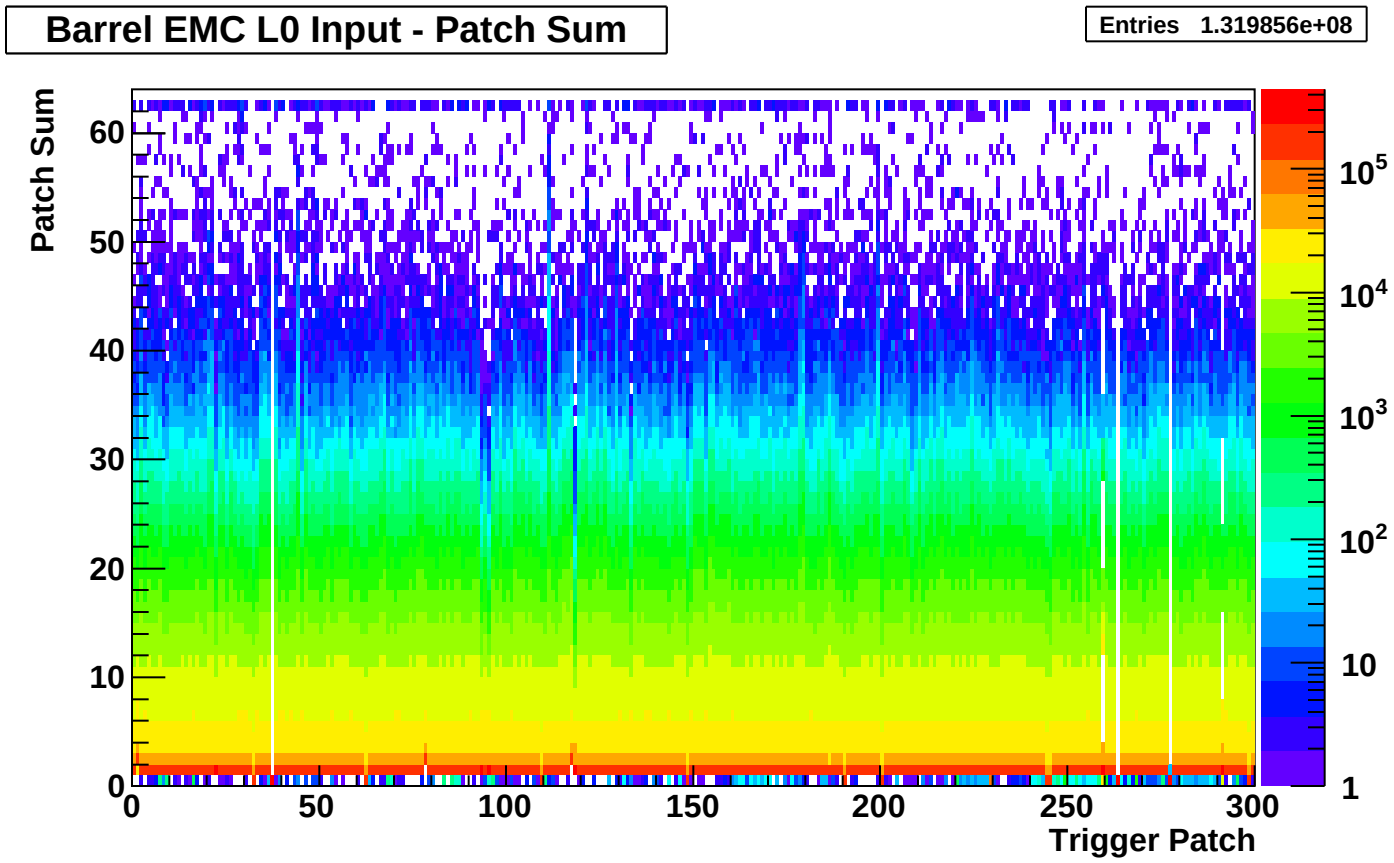

BunchId7Bit (BHT3)
Entries 7972
10^2
10
1
0
20
40
60
80
100
120

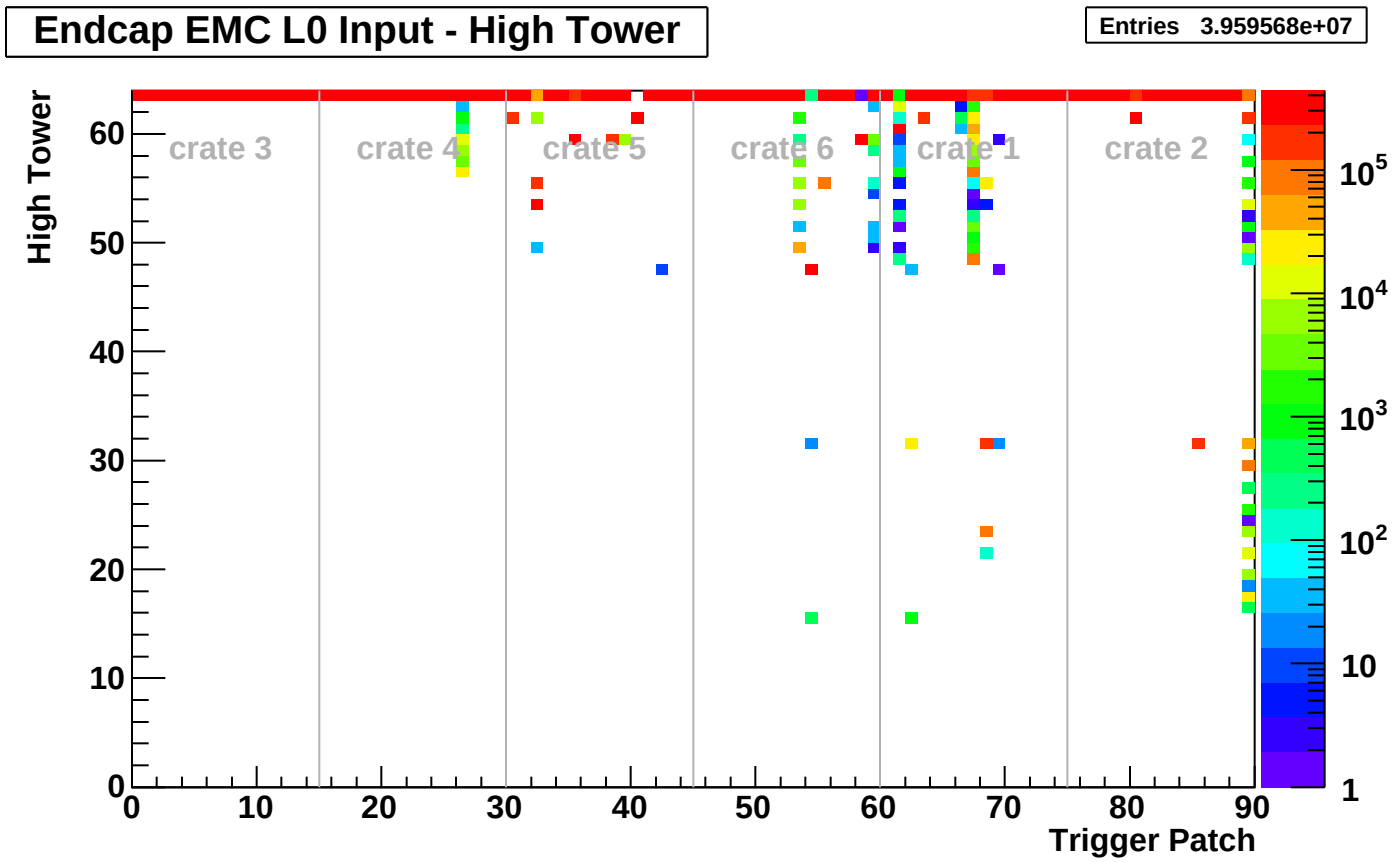

BunchId7Bit (all events)
Entries 439952
10^3
10^2
0
20
40
60
80
100
120

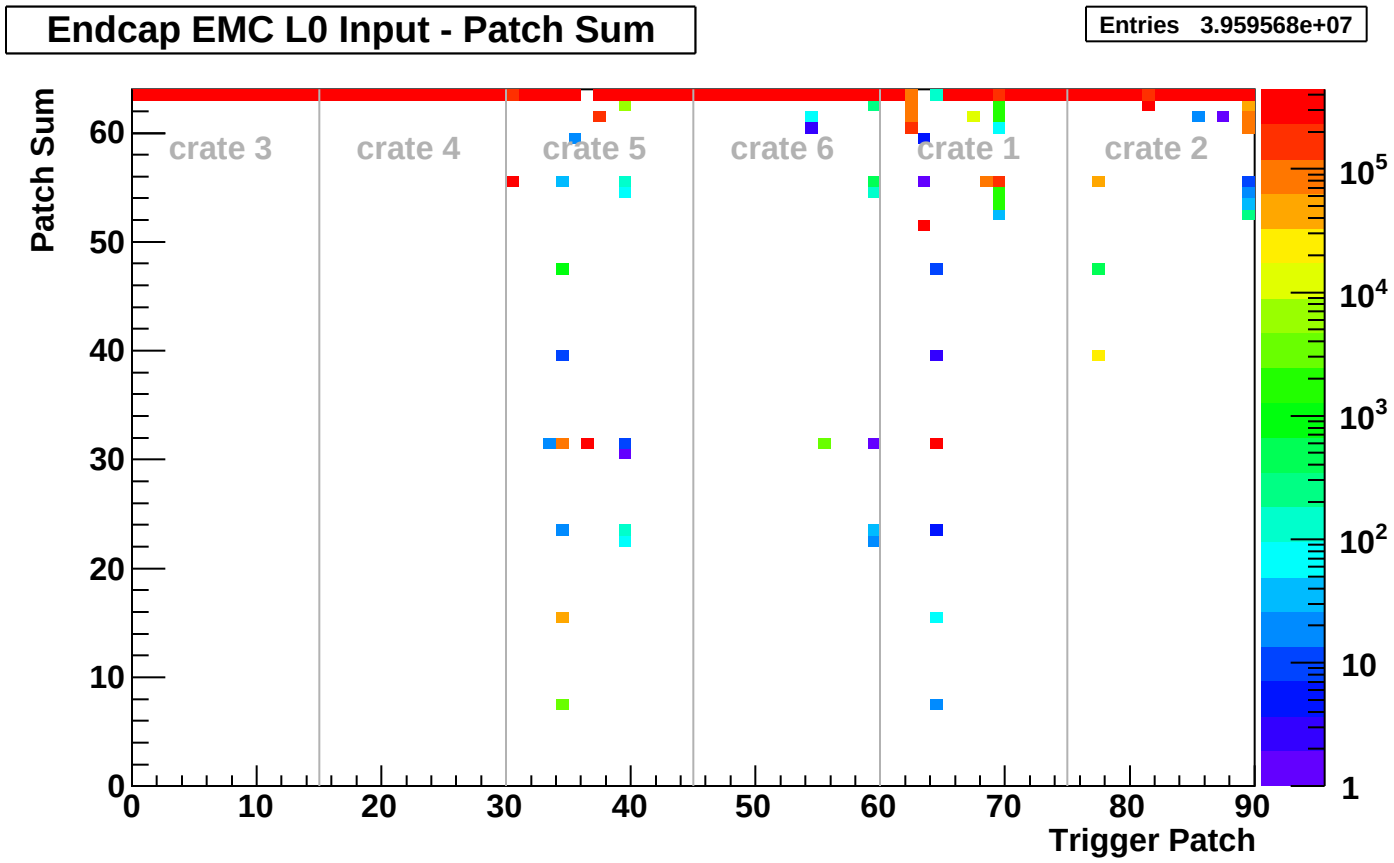

BunchId7Bit (JP1)
Entries 439952
10^3
10^2
0
20
40
60
80
100
120

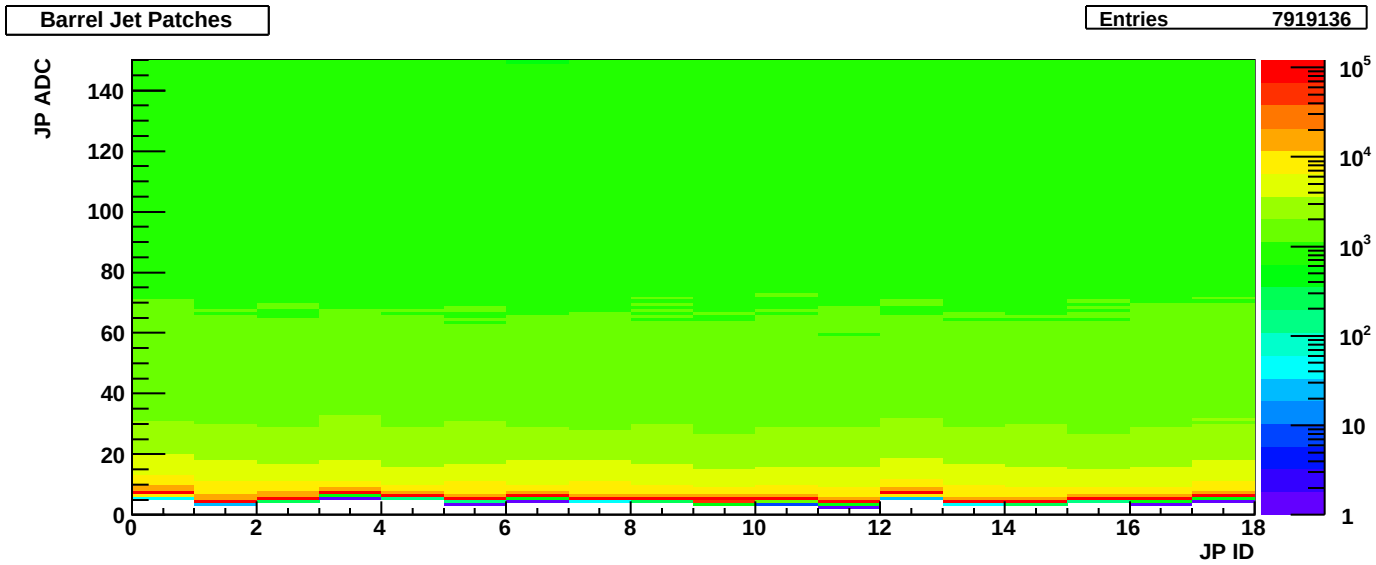

BunchId7Bit (JP2||AJP)
Entries 439952
10^3
10^2
0
20
40
60
80
100
120

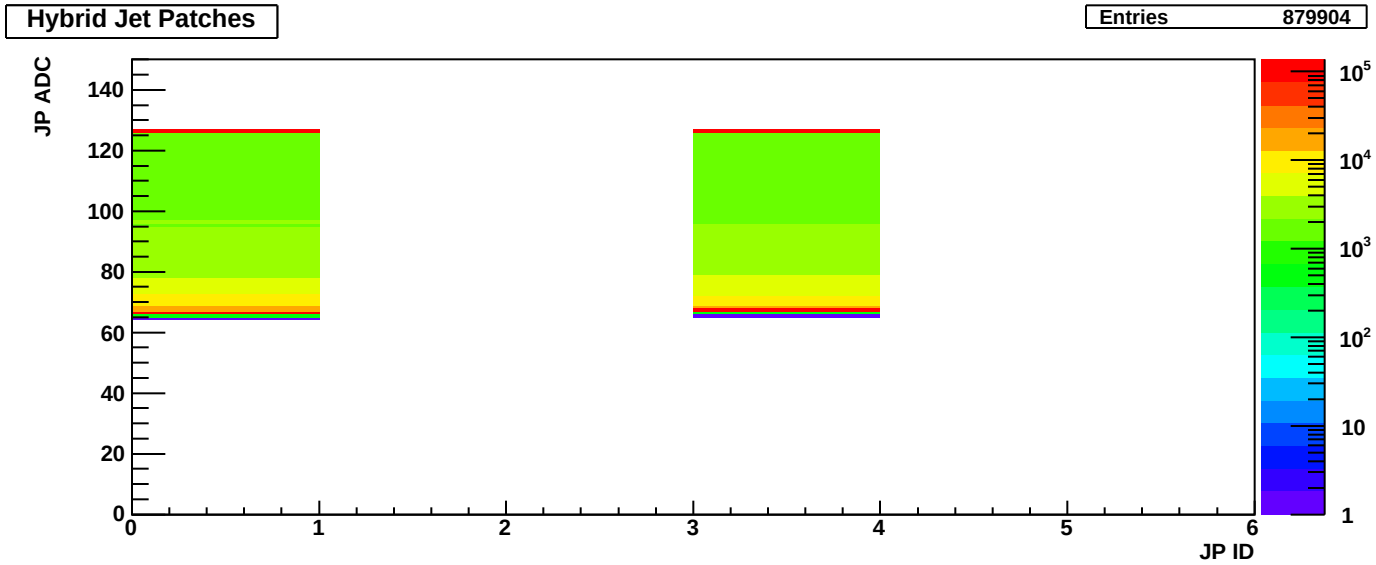

Barrel EMC L0 Input - High Tower
Entries 1.319856e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

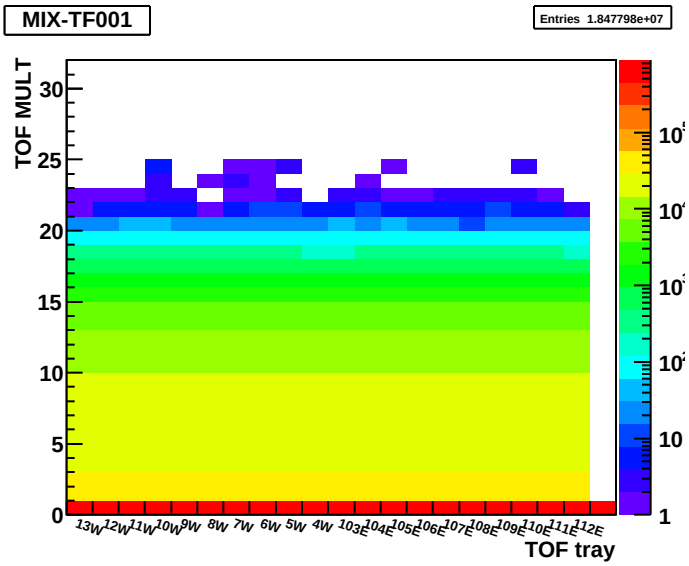

Barrel EMC L0 Input - Patch Sum
Entries 1.319856e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

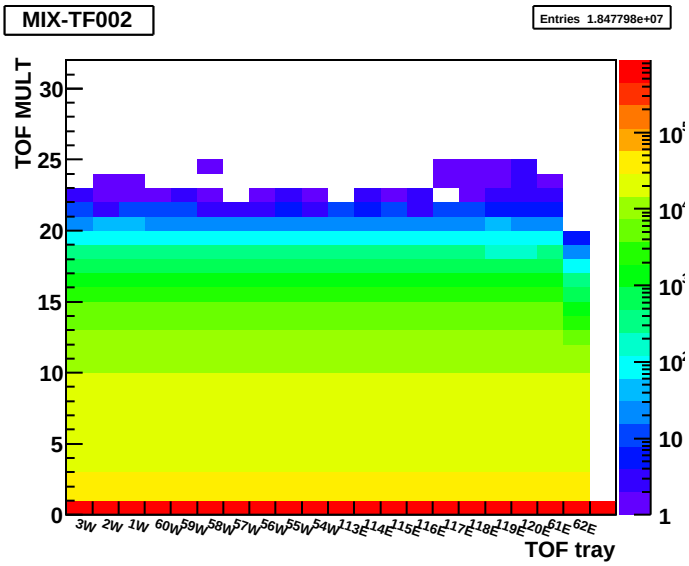

Endcap EMC L0 Input - High Tower
Entries 3.959568e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

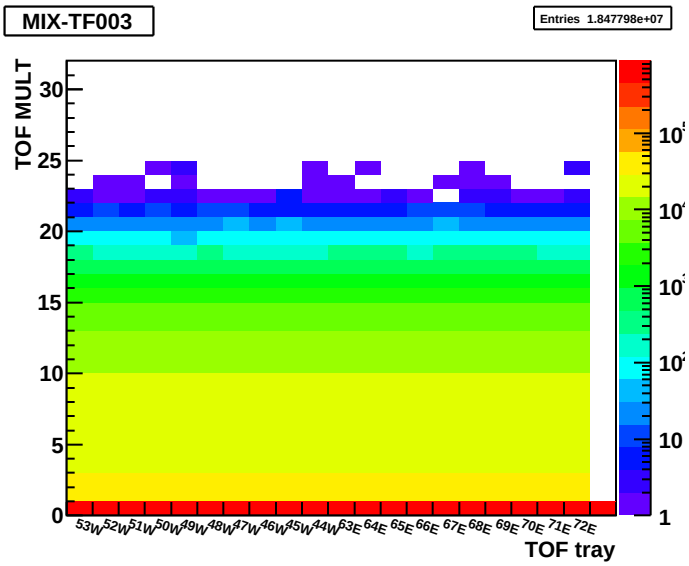

Endcap EMC L0 Input - Patch Sum
Entries 3.959568e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

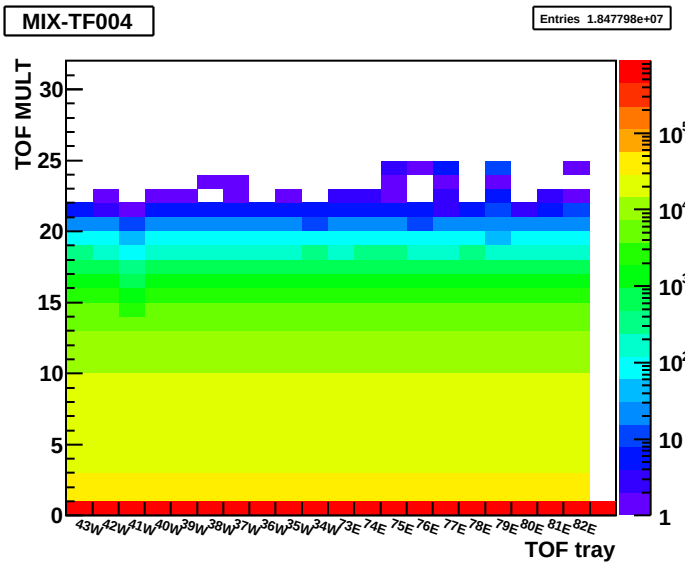

Barrel Jet Patches
Entries 7919136
JP ADC
JP ID

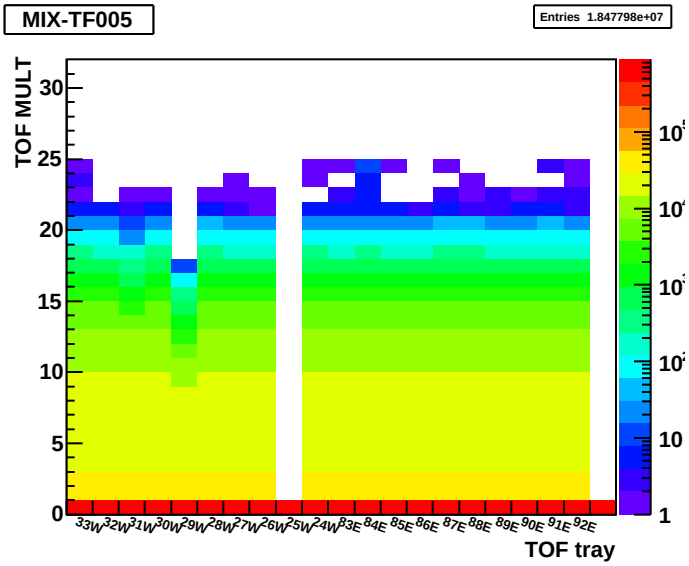

Hybrid Jet Patches
Entries 879904
JP ADC
JP ID

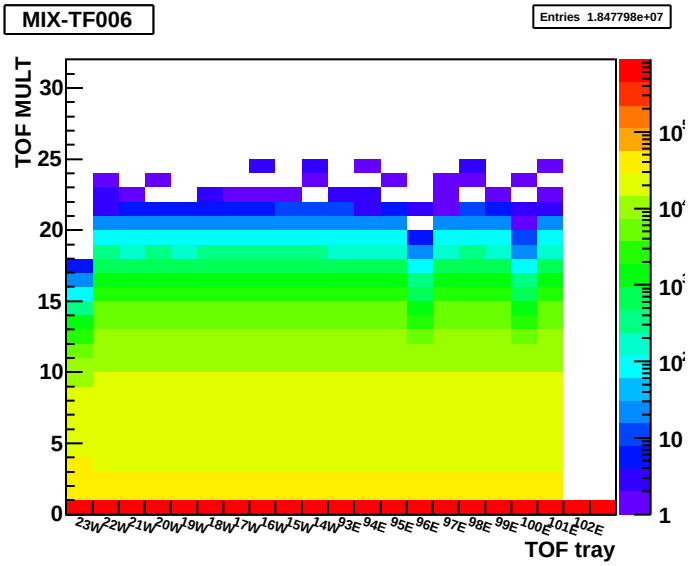

MIX-TF001
Entries 1.847798e+07
TOF MULT
TOF tray

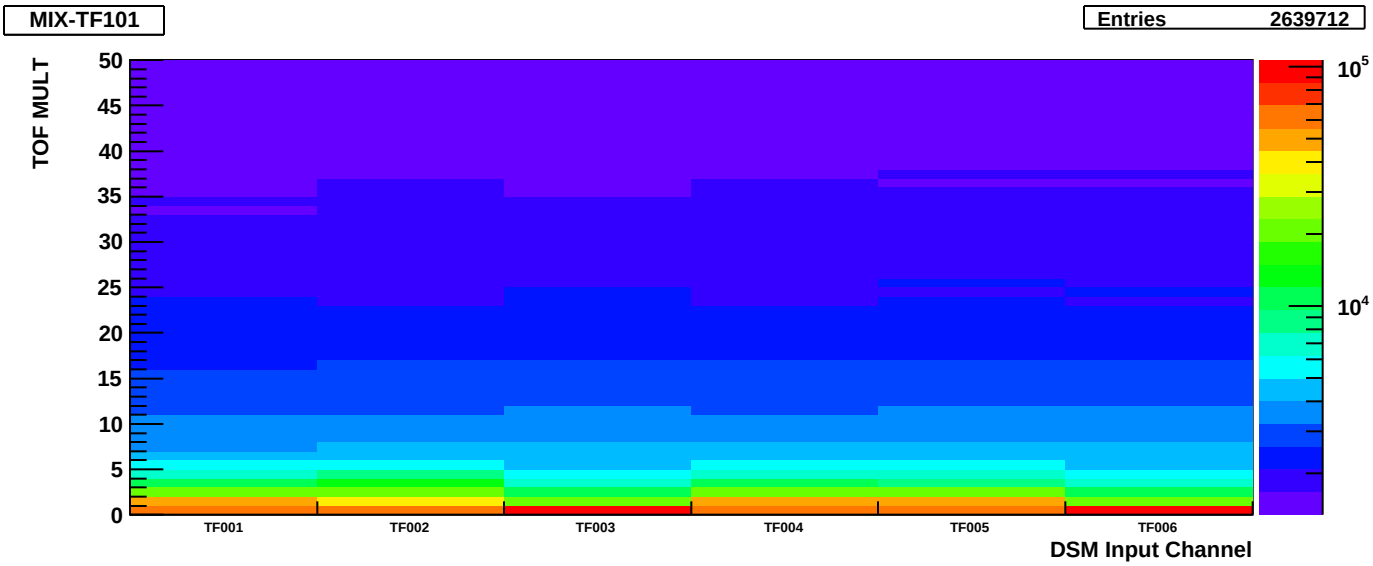

MIX-TF002
Entries 1.847798e+07
TOF MULT
TOF tray

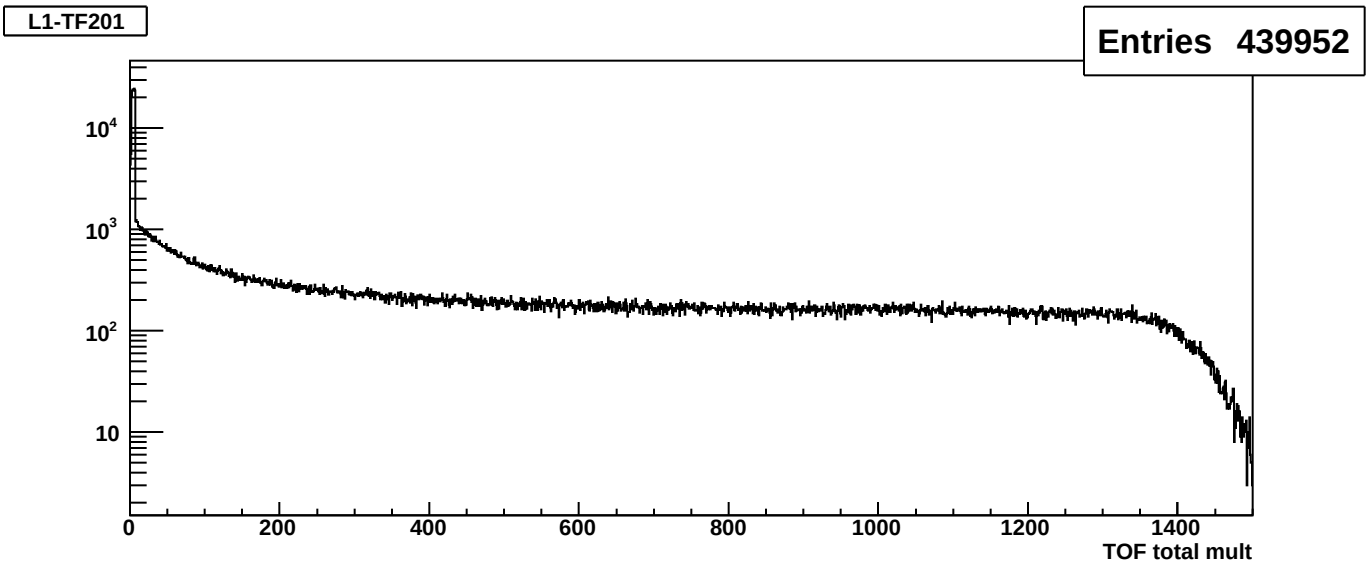

MIX-TF003
Entries 1.847798e+07
TOF MULT
TOF tray

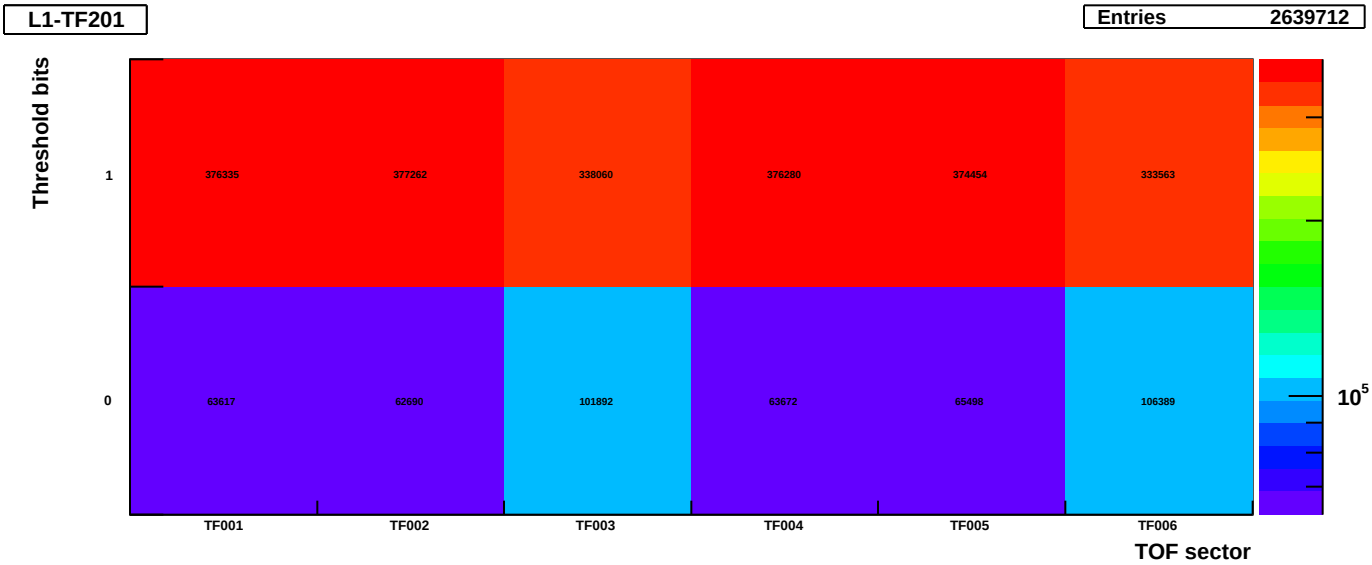

MIX-TF004
Entries 1.847798e+07
TOF MULT
TOF tray

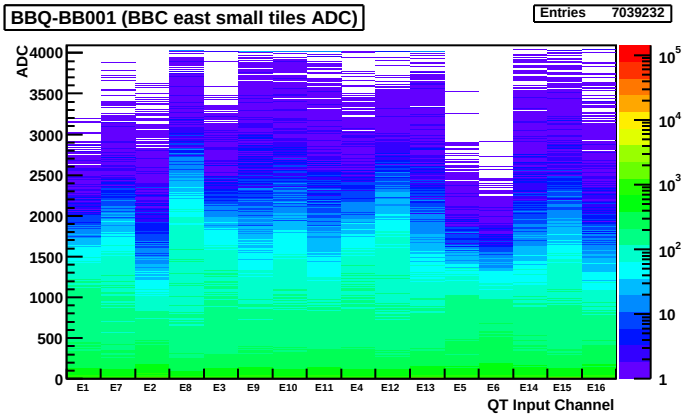

MIX-TF005
Entries 1.847798e+07
TOF MULT
TOF tray

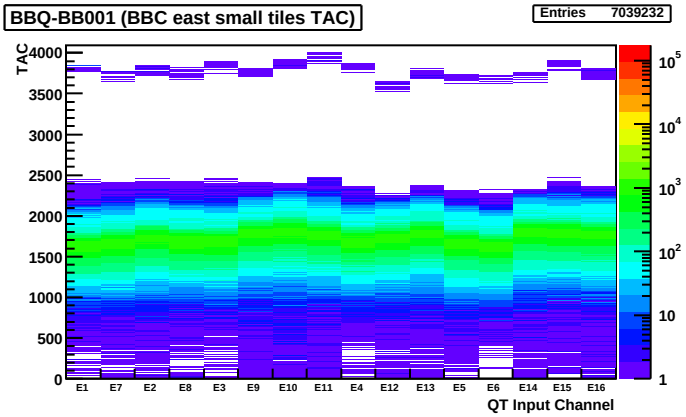

MIX-TF006
Entries 1.847798e+07
TOF MULT
TOF tray

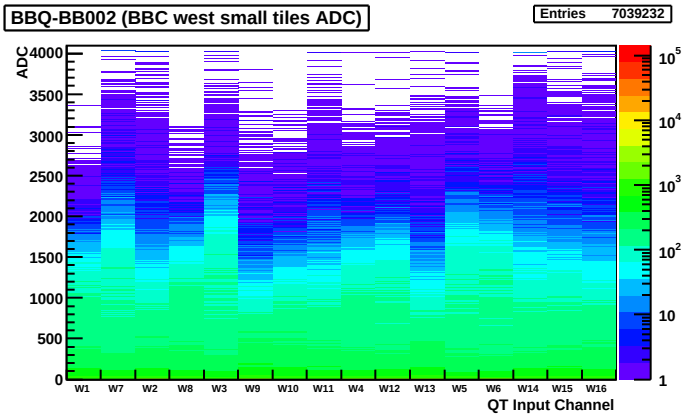

MIX-TF101
Entries 2639712
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^5
10^4

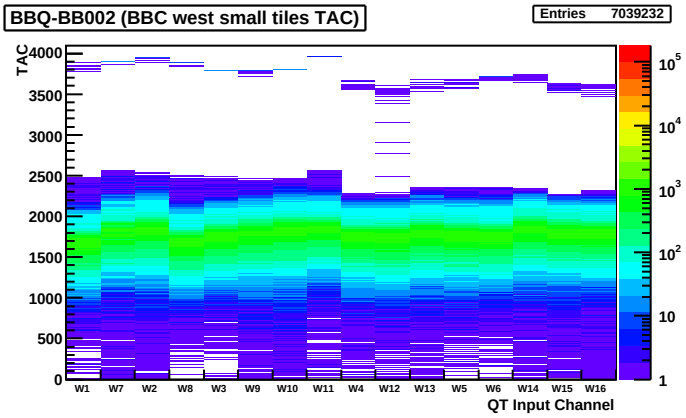

L1-TF201
Entries 439952
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

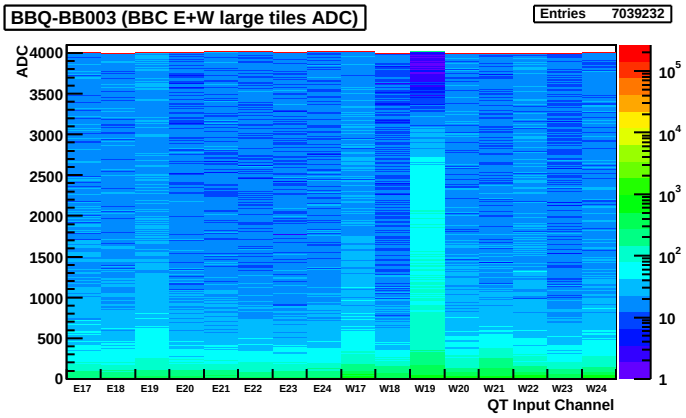

L1-TF201
Entries 2639712
Threshold bits
1
0
376335
377262
338060
376280
374454
333563
63617
62690
101892
63672
65498
106389
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

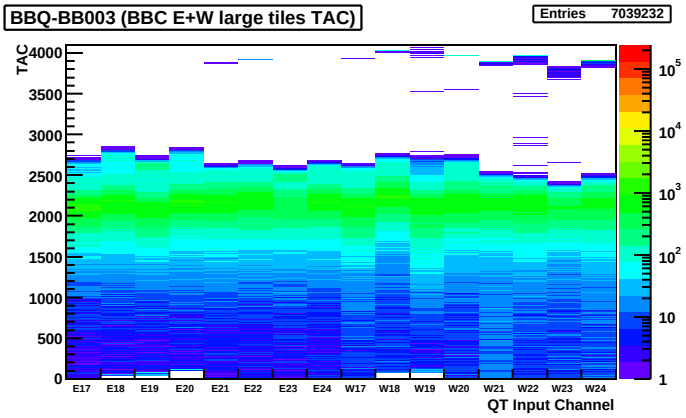

BBQ-BB001 (BBC east small tiles ADC)
Entries 7039232
ADC
QT Input Channel

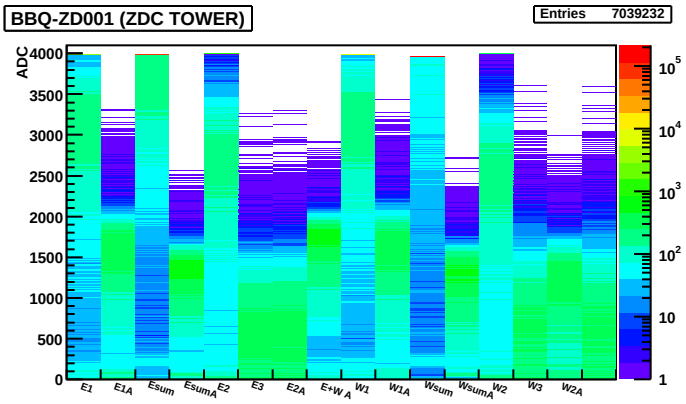

BBQ-BB001 (BBC east small tiles TAC)
Entries 7039232
TAC
QT Input Channel

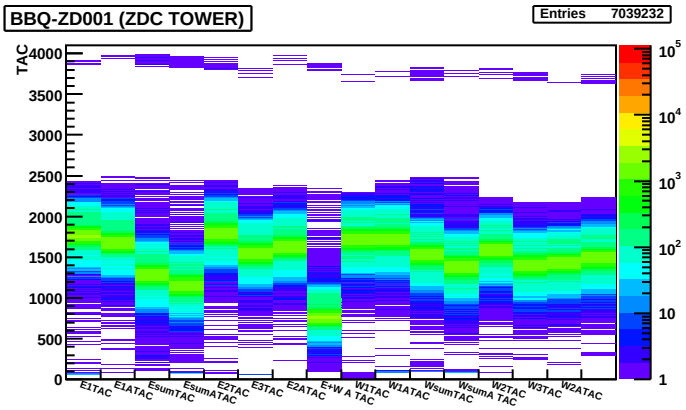

BBQ-BB002 (BBC west small tiles ADC)
Entries 7039232
ADC
QT Input Channel

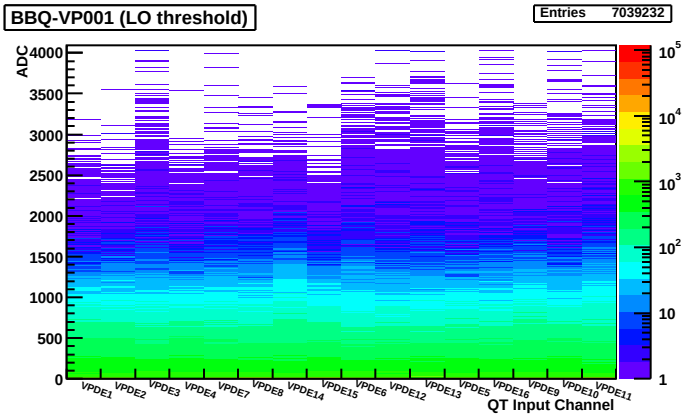

BBQ-BB002 (BBC west small tiles TAC)
Entries 7039232
TAC
QT Input Channel

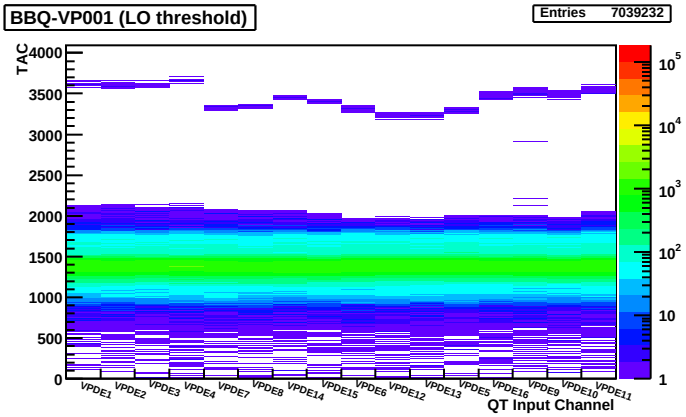

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 7039232
ADC
QT Input Channel

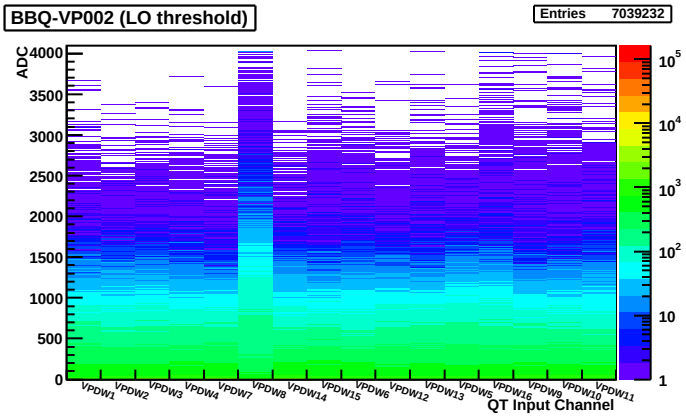

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 7039232
TAC
QT Input Channel

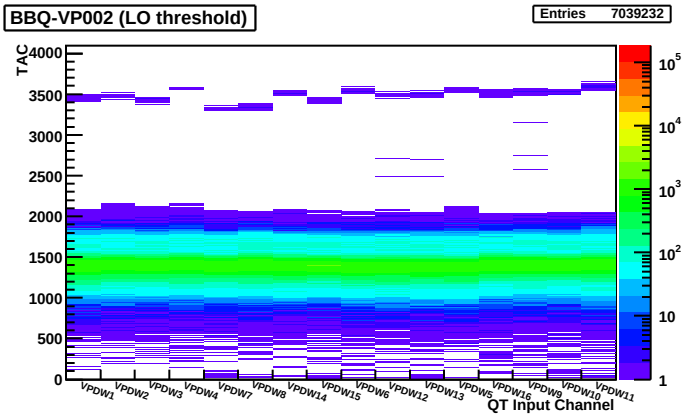

BBQ-ZD001 (ZDC TOWER)
Entries 7039232
ADC

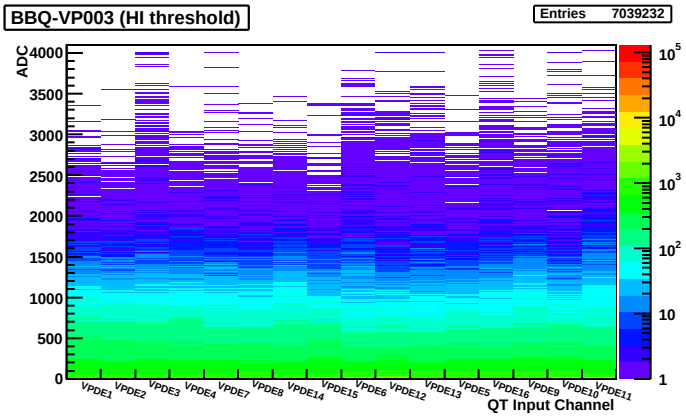

BBQ-ZD001 (ZDC TOWER)
Entries 7039232
TAC

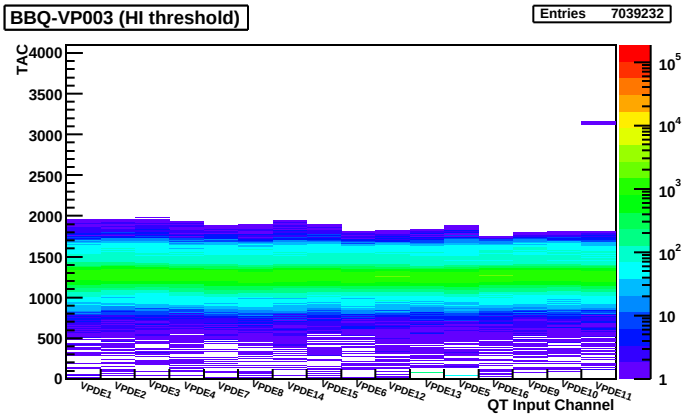

BBQ-VP001 (LO threshold)
Entries 7039232
ADC
QT Input Channel

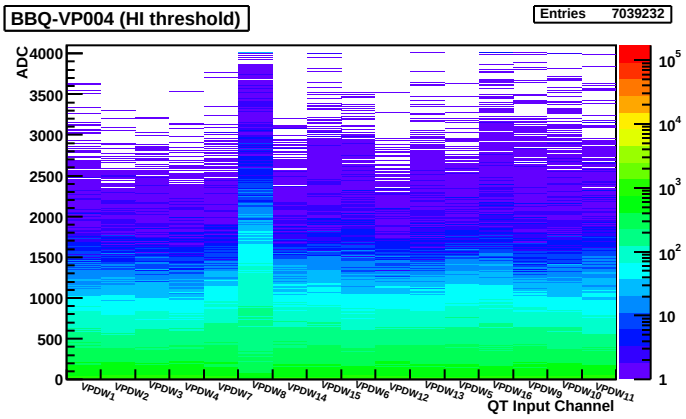

BBQ-VP001 (LO threshold)
Entries 7039232
TAC
QT Input Channel

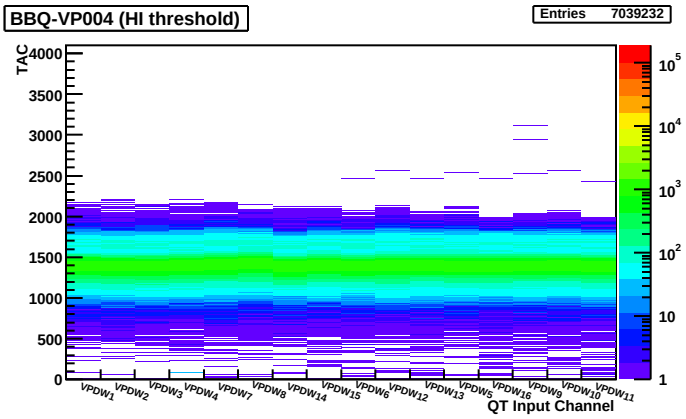

BBQ-VP002 (LO threshold)
Entries 7039232
ADC
QT Input Channel

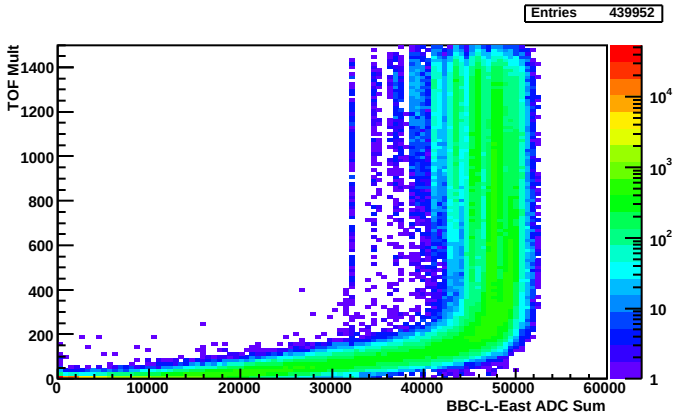

BBQ-VP002 (LO threshold)
Entries 7039232
TAC
QT Input Channel

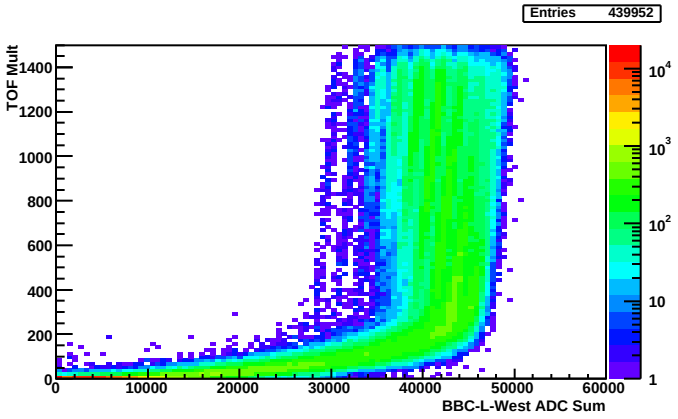

BBQ-VP003 (HI threshold)
Entries 7039232
ADC
QT Input Channel

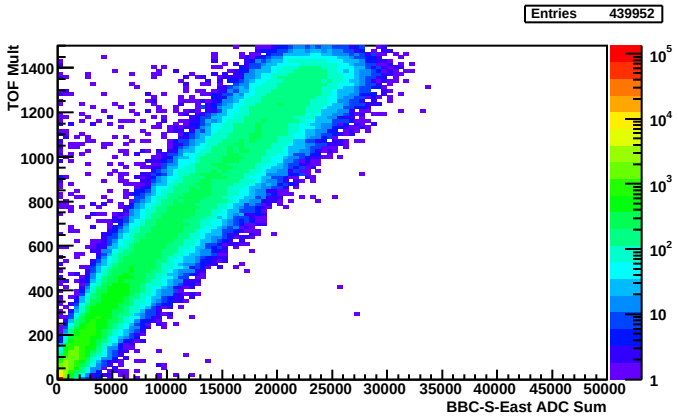

BBQ-VP003 (HI threshold)
Entries 7039232
TAC
QT Input Channel

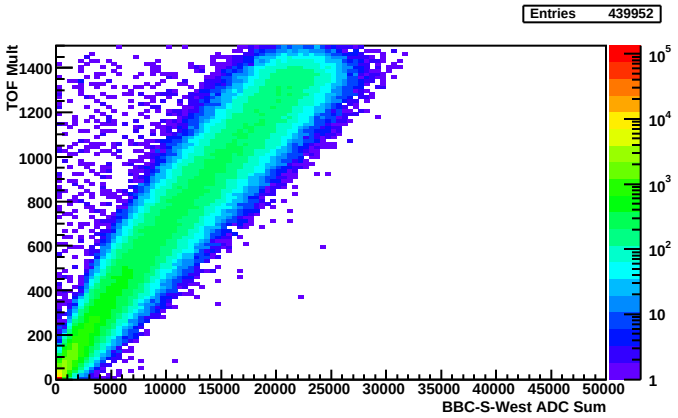

BBQ-VP004 (HI threshold)
Entries 7039232
ADC
QT Input Channel

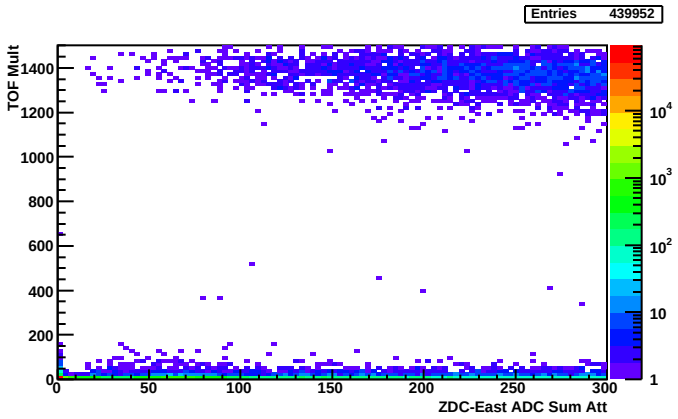

BBQ-VP004 (HI threshold)
Entries 7039232
TAC
QT Input Channel

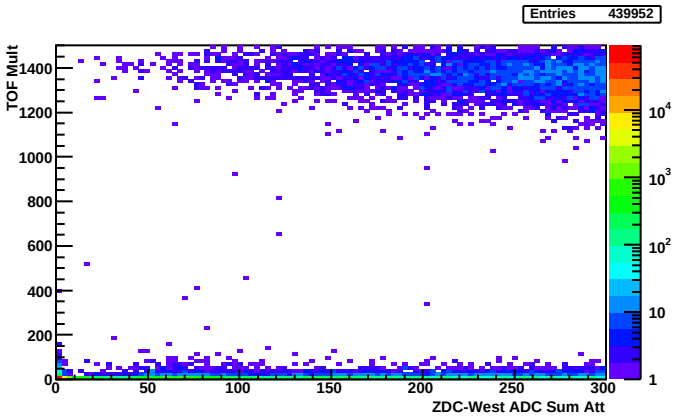

Entries 439952
TOF Mult
BBC-L-East ADC Sum

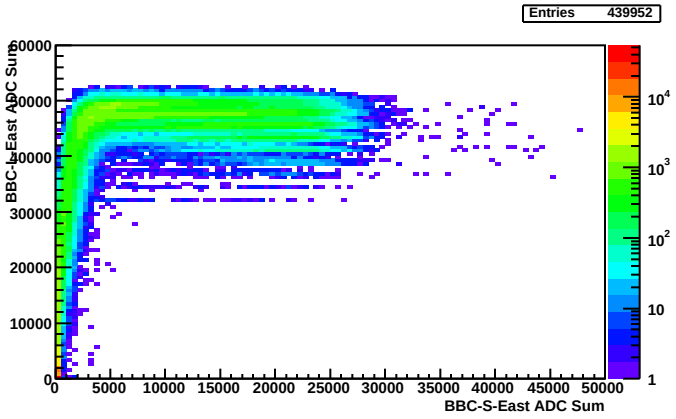

Entries 439952
TOF Mult
BBC-L-West ADC Sum

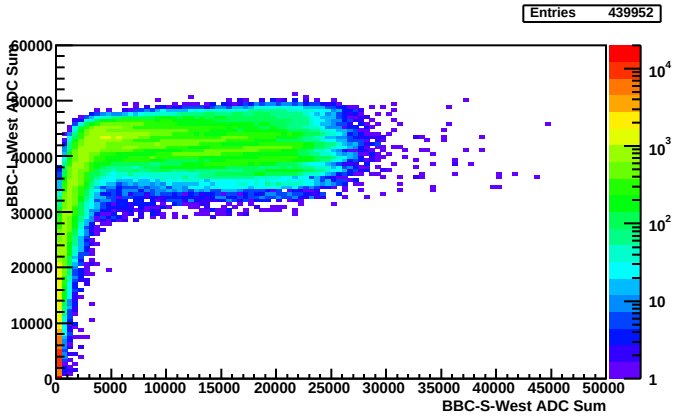

Entries 439952
TOF Mult
BBC-S-East ADC Sum

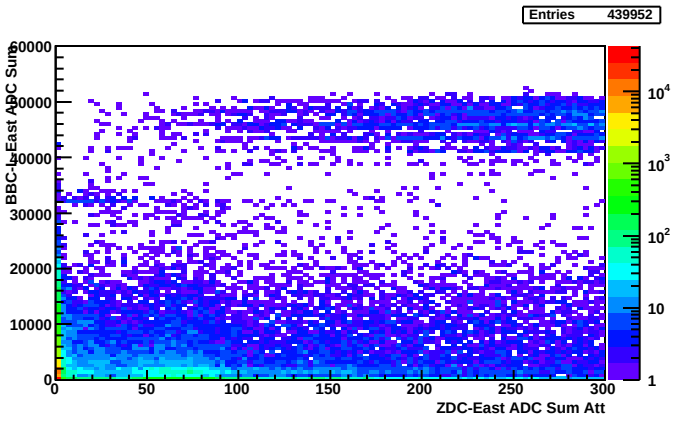

Entries 439952
TOF Mult
BBC-S-West ADC Sum

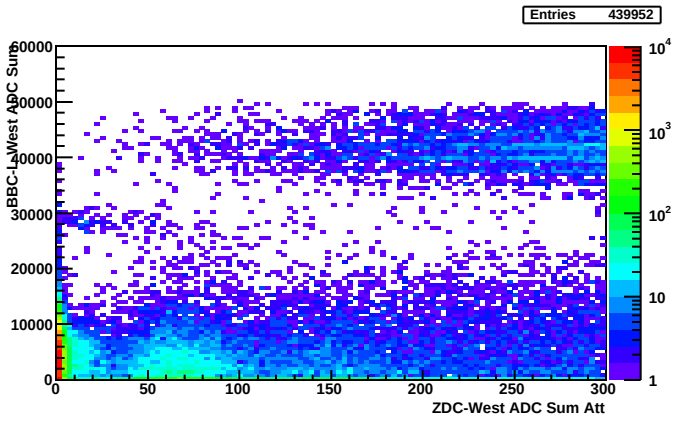

Entries 439952
TOF Mult
ZDC-East ADC Sum Att


Entries 439952
TOF Mult
ZDC-West ADC Sum Att


Entries 439952
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 439952
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 439952
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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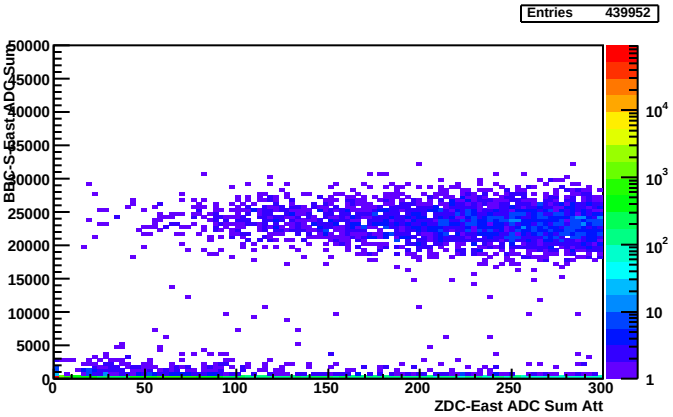
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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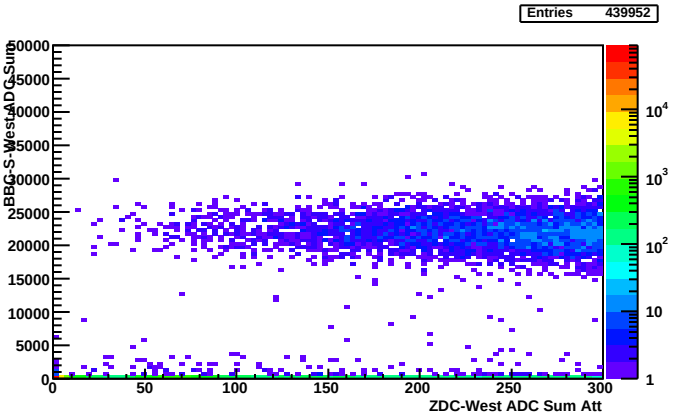
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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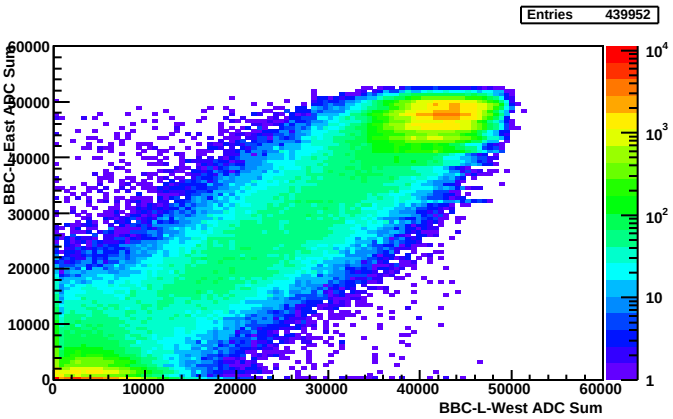
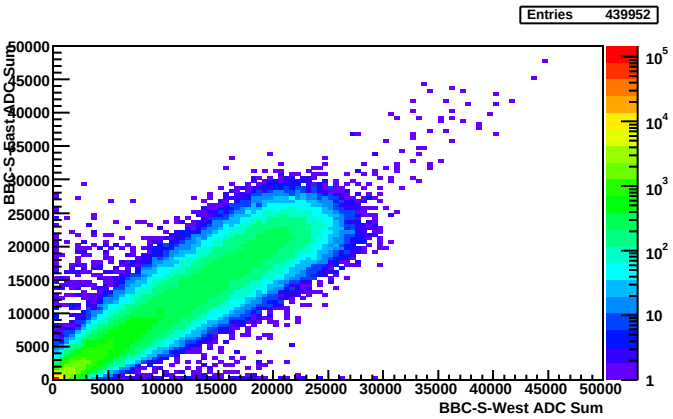
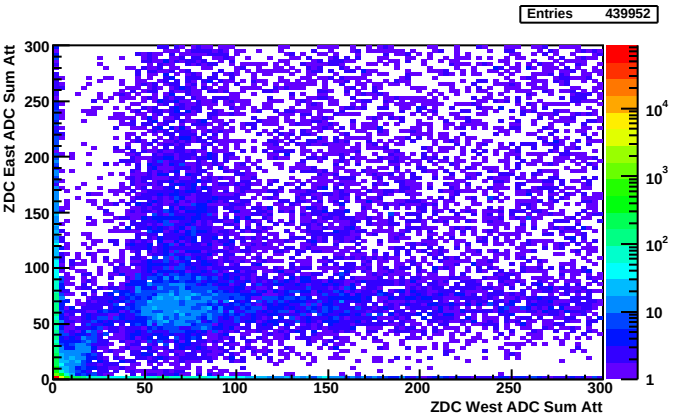
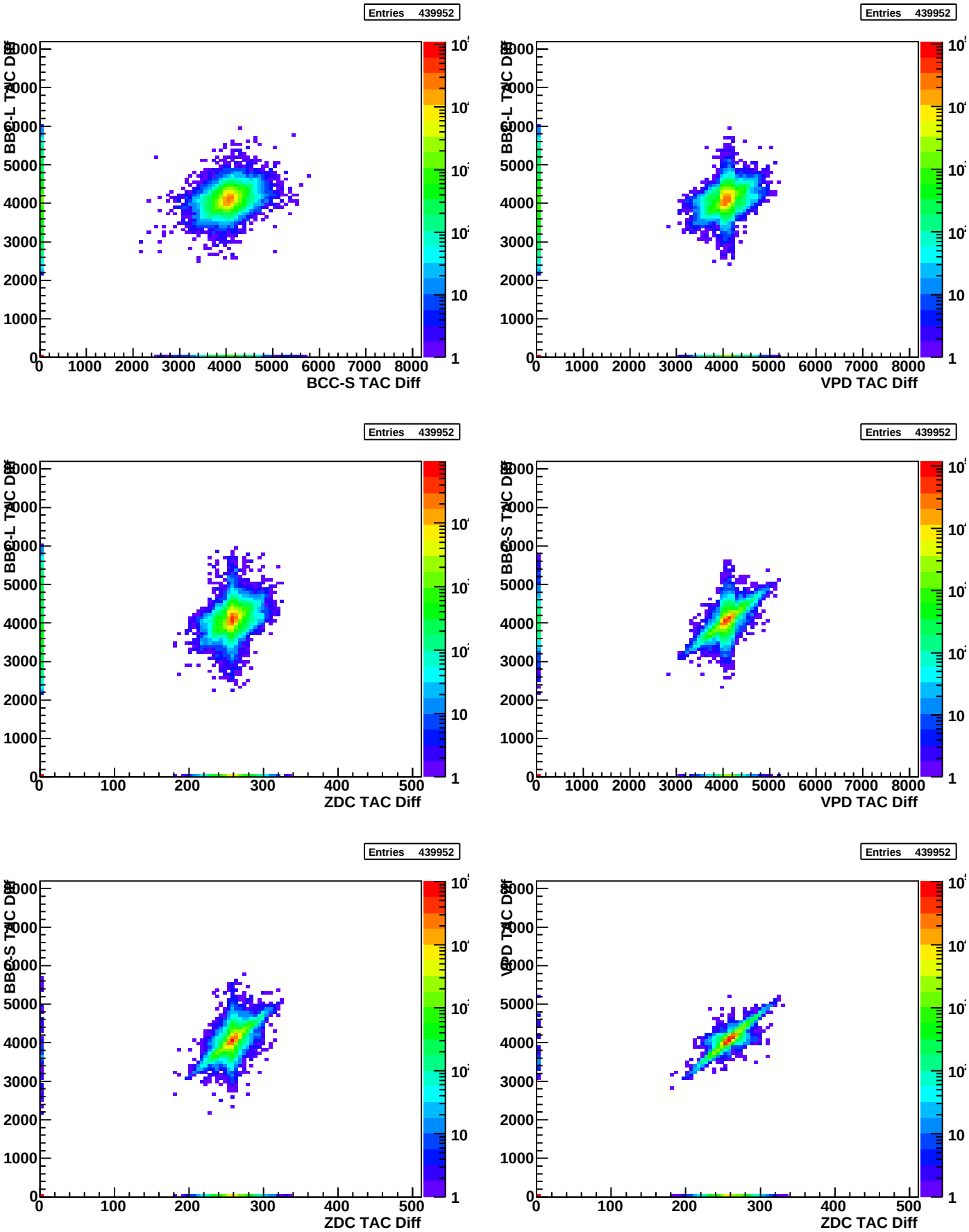
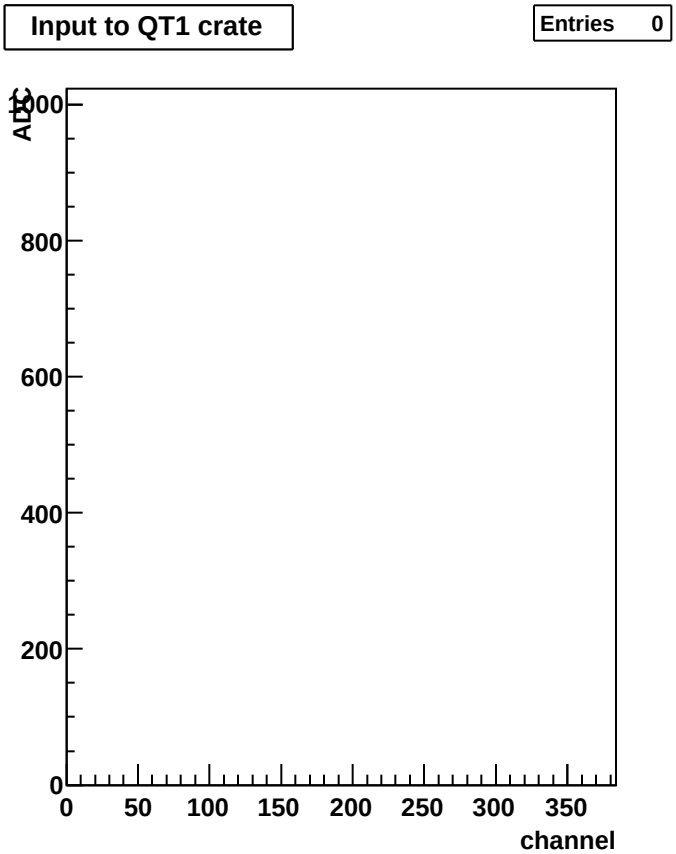
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

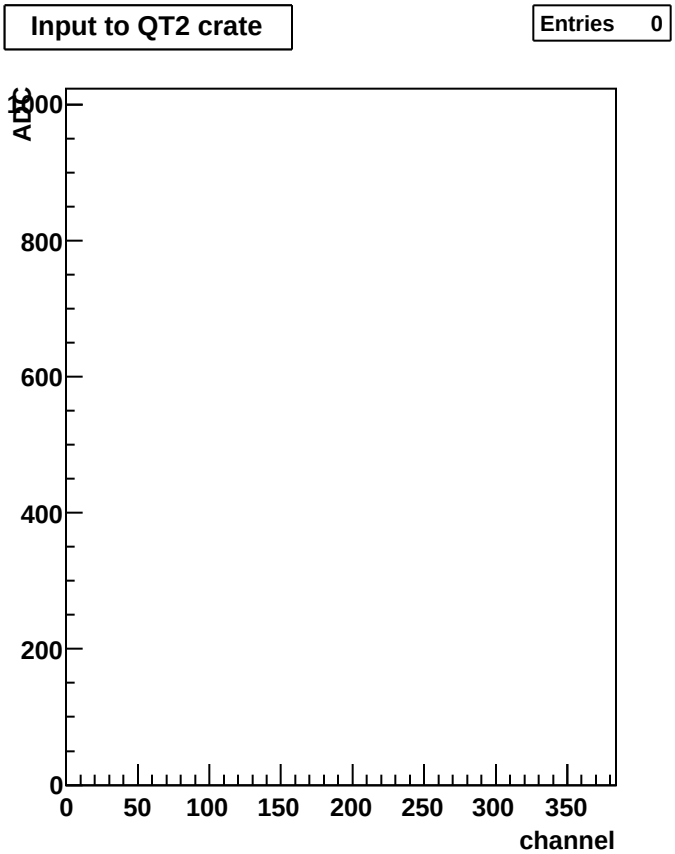

Entries 439952
BBC-L-East ADC Sum
BBC-L-West ADC Sum

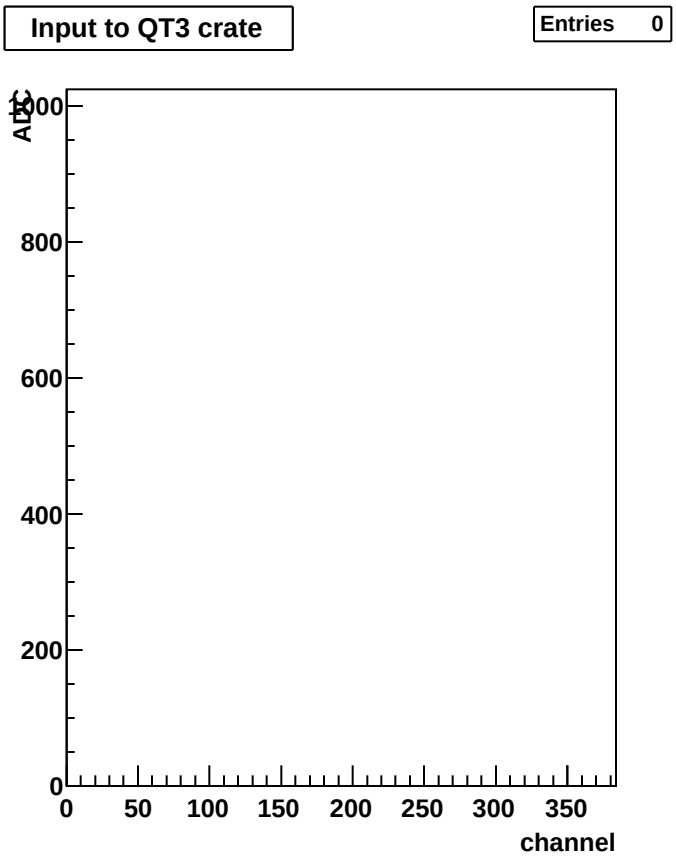

Entries 439952
BBC-S-East ADC Sum
BBC-S-West ADC Sum

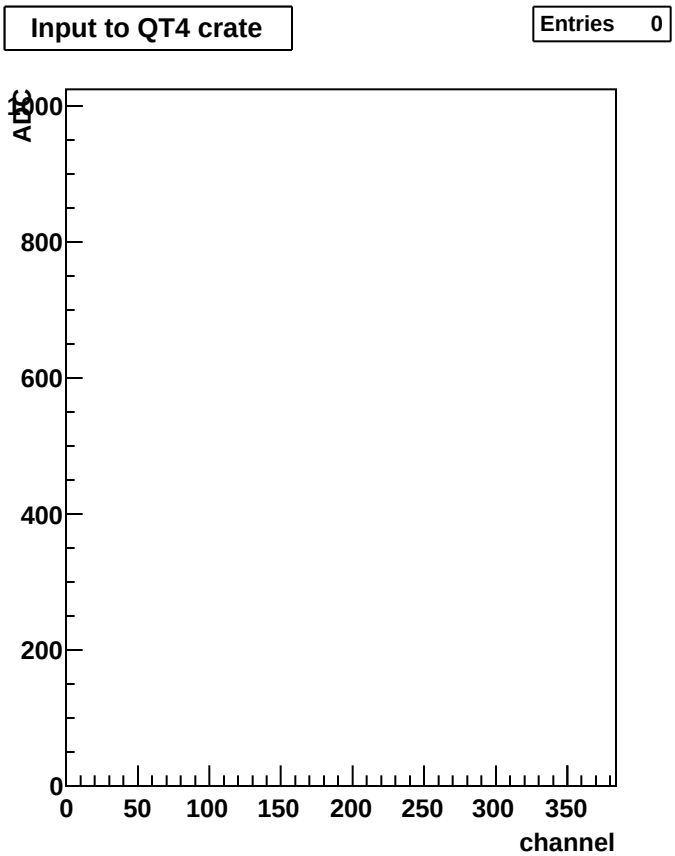

Entries 439952
ZDC East ADC Sum Att
ZDC West ADC Sum Att

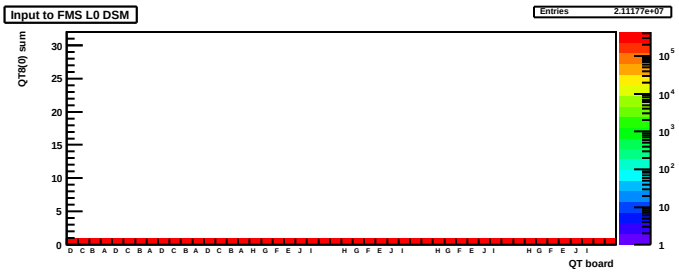

Entries 439952
BBC-L TAC Diff
BCC-S TAC Diff
Entries 439952
BBC-L TAC Diff
VPD TAC Diff
Entries 439952
BBC-L TAC Diff
ZDC TAC Diff
Entries 439952
BBC-S TAC Diff
VPD TAC Diff
Entries 439952
BBC-S TAC Diff
ZDC TAC Diff
Entries 439952
VPD TAC Diff
ZDC TAC Diff

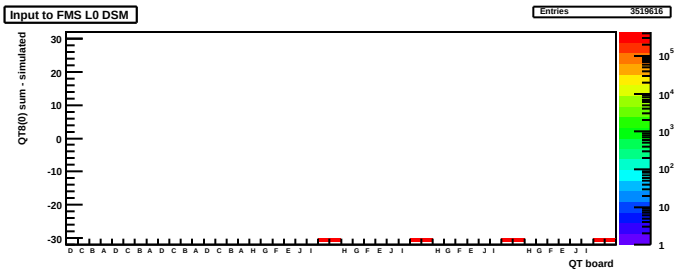

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

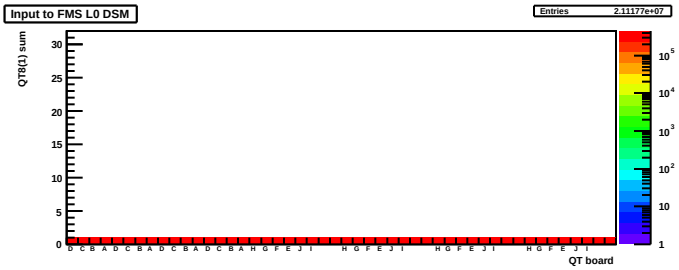

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

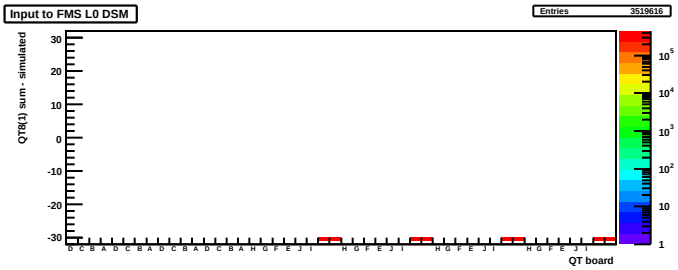

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

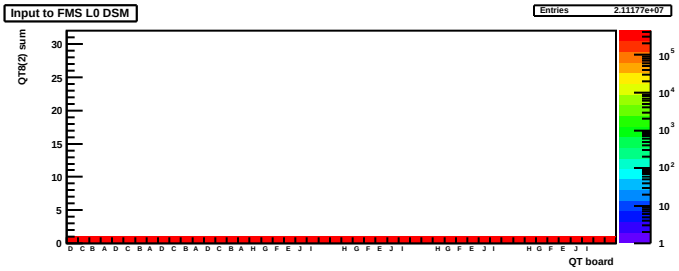

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

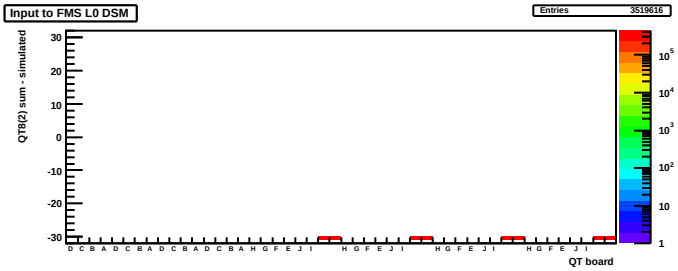

Input to FMS L0 DSM
Entries 2.11177e+07
QT8(0) sum
QT board

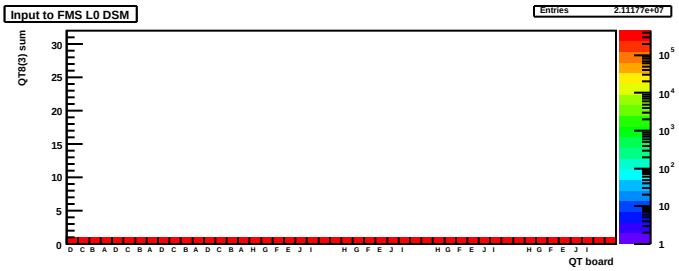

Input to FMS L0 DSM
Entries 3519616
QT8(0) sum - simulated
QT board

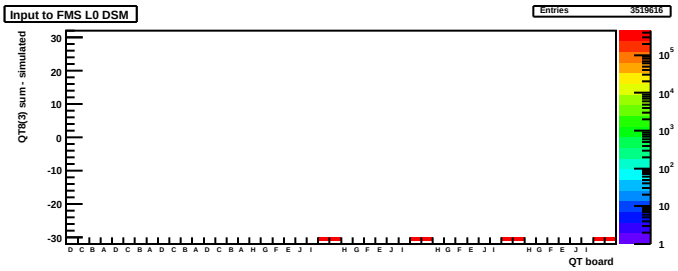

Input to FMS L0 DSM
Entries 2.11177e+07
QT8(1) sum
QT board

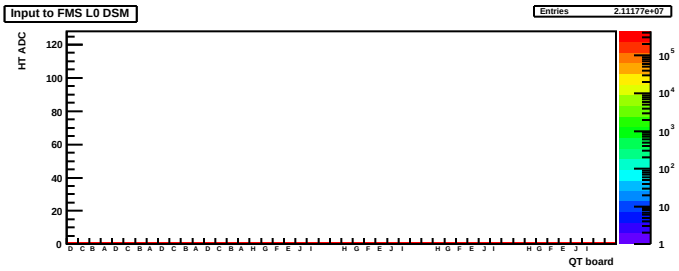

Input to FMS L0 DSM
Entries 3519616
QT8(1) sum - simulated
QT board

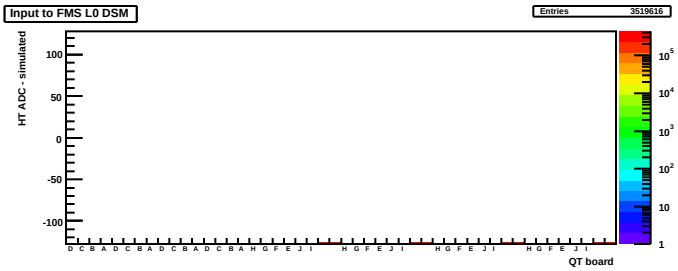

Input to FMS L0 DSM
Entries 2.11177e+07
QT8(2) sum
QT board

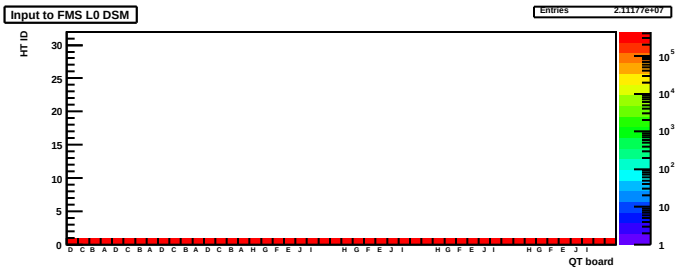

Input to FMS L0 DSM
Entries 3519616
QT8(2) sum - simulated
QT board

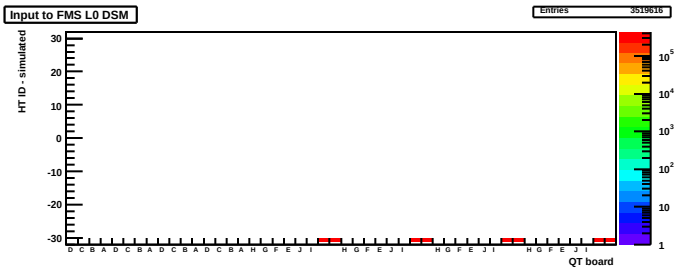

Input to FMS L0 DSM
Entries 2.11177e+07
QT8(3) sum
QT board

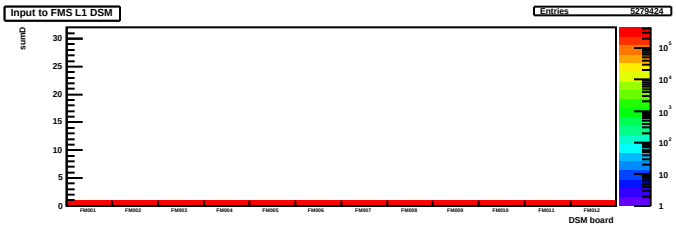

Input to FMS L0 DSM
Entries 3519616
QT8(3) sum - simulated
QT board

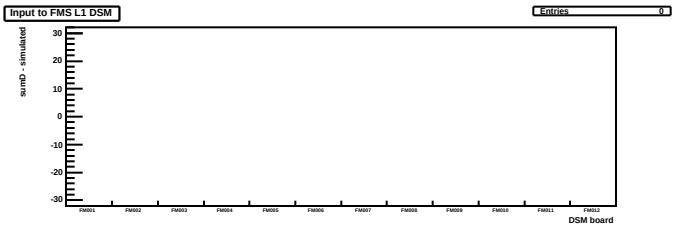

Input to FMS L0 DSM
Entries 2.11177e+07
HT ADC
QT board

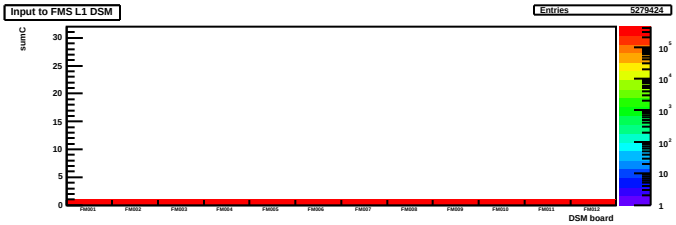

Input to FMS L0 DSM
Entries 3519616
HT ADC - simulated
QT board

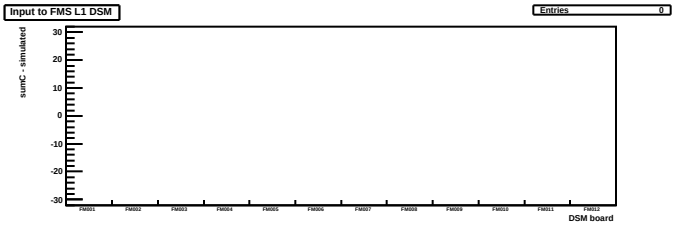

Input to FMS L0 DSM
Entries 2.11177e+07
HT ID
QT board

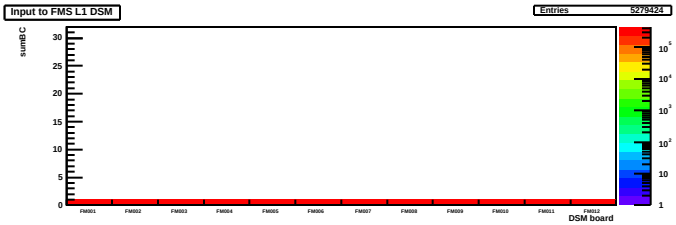

Input to FMS L0 DSM
Entries 3519616
HT ID - simulated
QT board

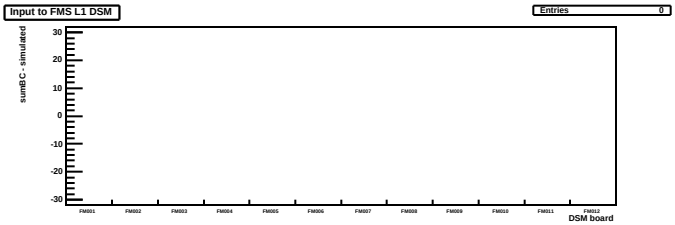

Input to FMS L1 DSM
Entries 5279424
sumD
DSM board

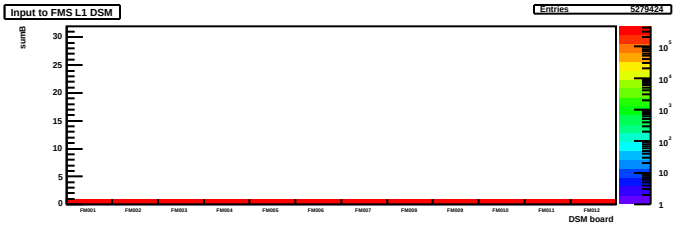

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

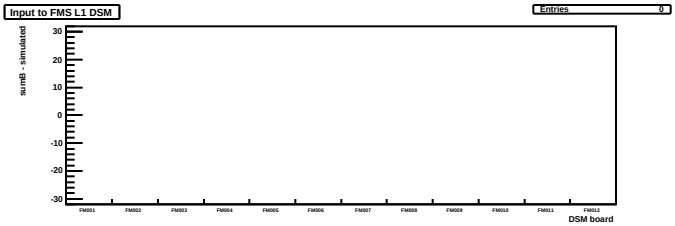

Input to FMS L1 DSM
Entries 5279424
sumC
DSM board

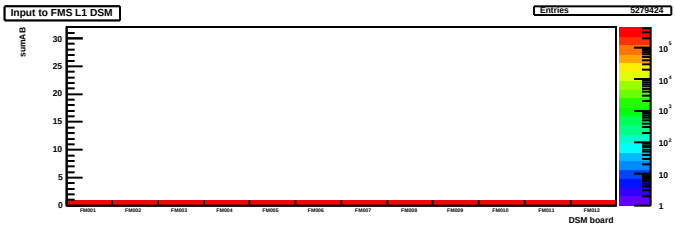

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

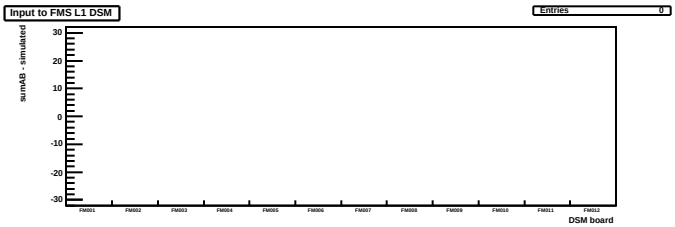

Input to FMS L1 DSM
Entries 5279424
sumBC
DSM board

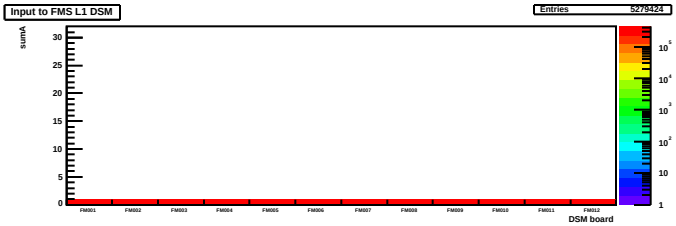

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

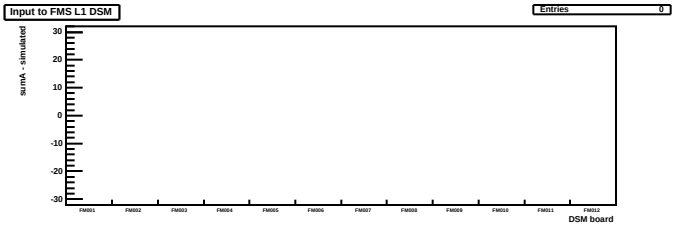

Input to FMS L1 DSM
Entries 5279424
sumB
DSM board

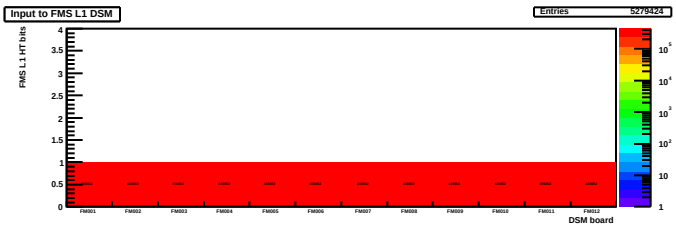

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

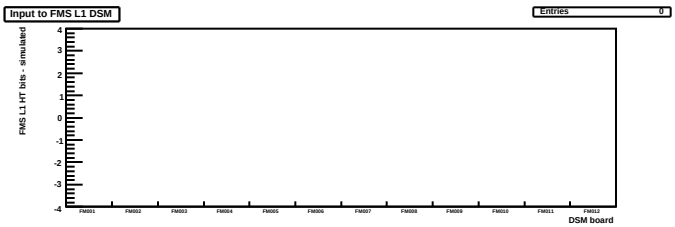

Input to FMS L1 DSM
Entries 5279424
sumAB
DSM board

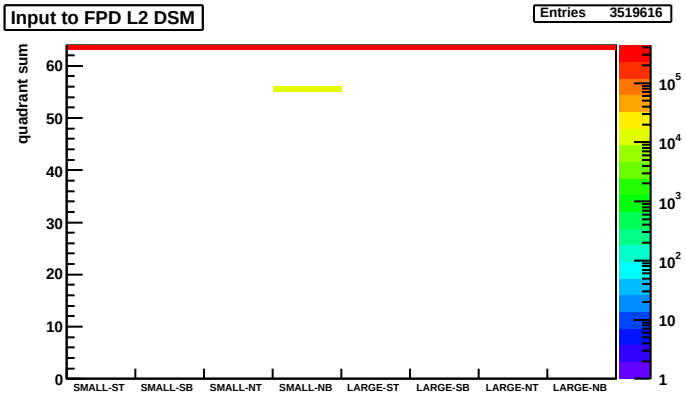

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

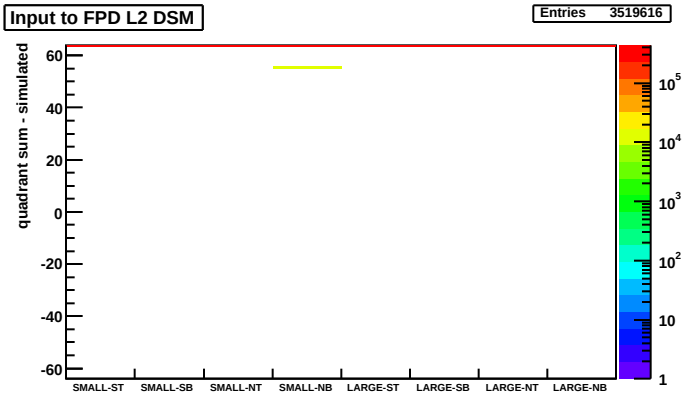

Input to FMS L1 DSM
Entries 5279424
sumA
DSM board

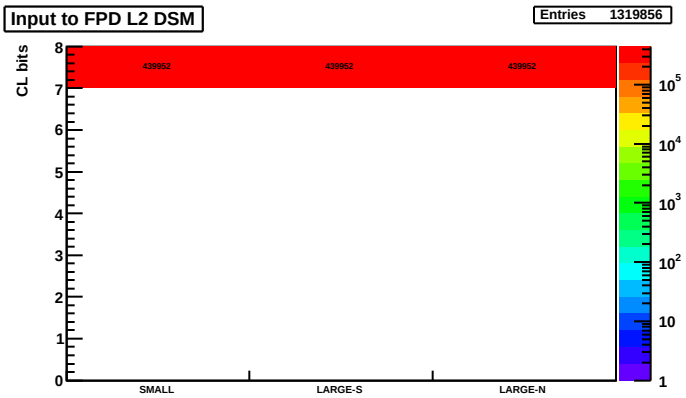

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

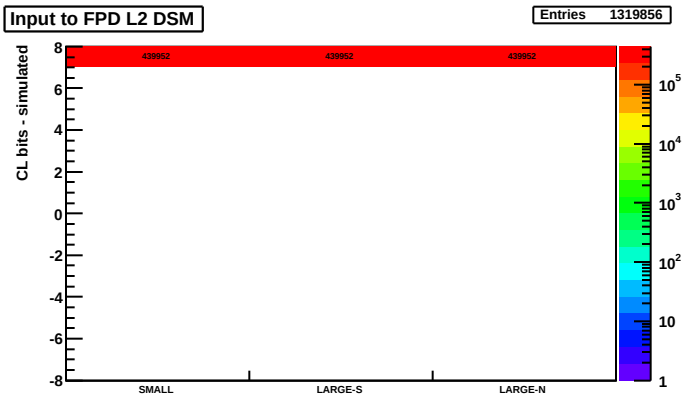

Input to FMS L1 DSM
Entries 5279424
FMS L1 HT bits
DSM board

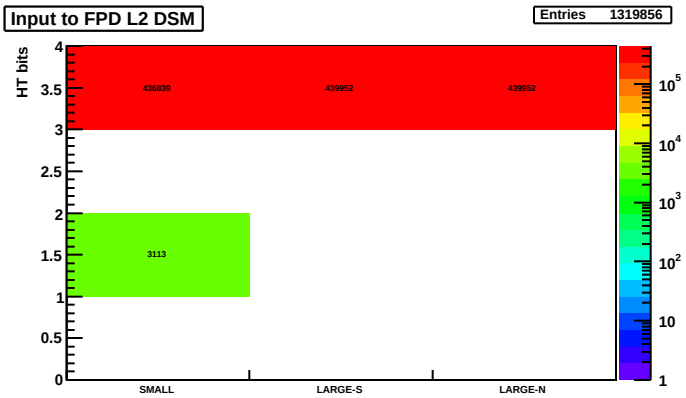

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

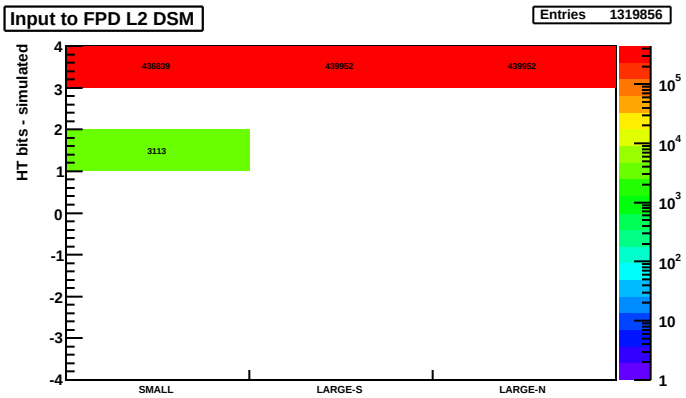

Input to FPD L2 DSM
Entries 3519616
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

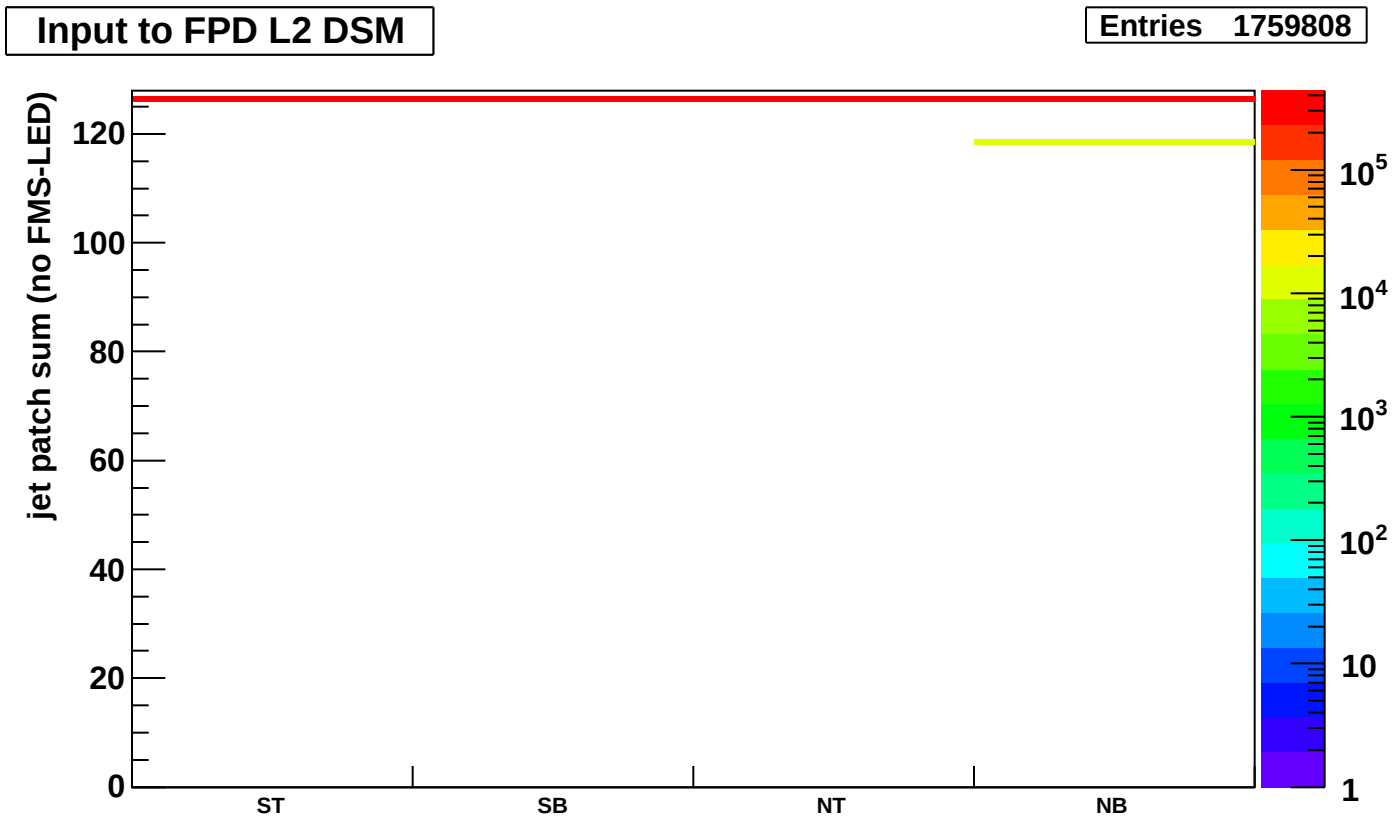

Input to FPD L2 DSM
Entries 3519616
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

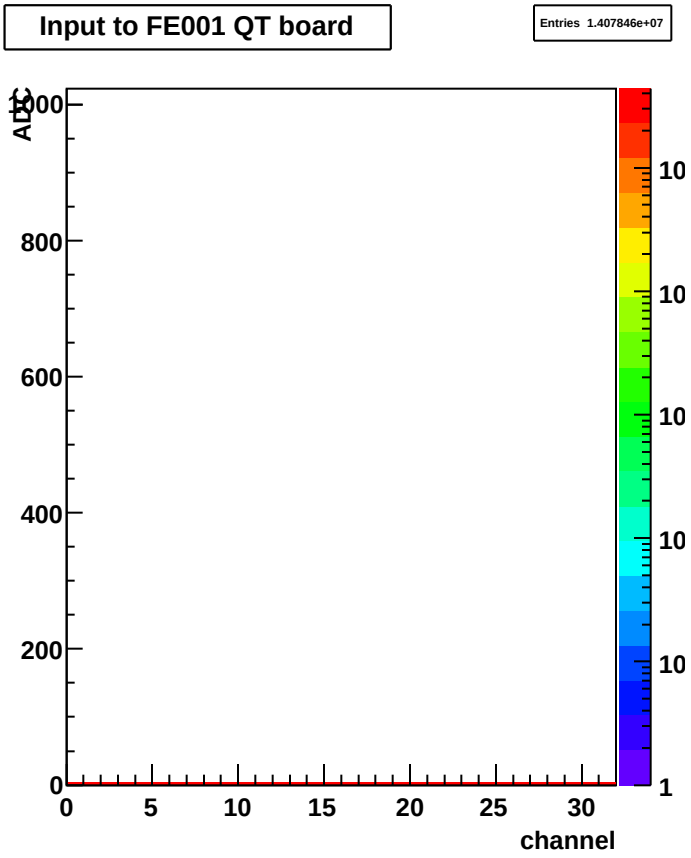

Input to FPD L2 DSM
Entries 1319856
CL bits
439952
439952
439952
SMALL
LARGE-S
LARGE-N

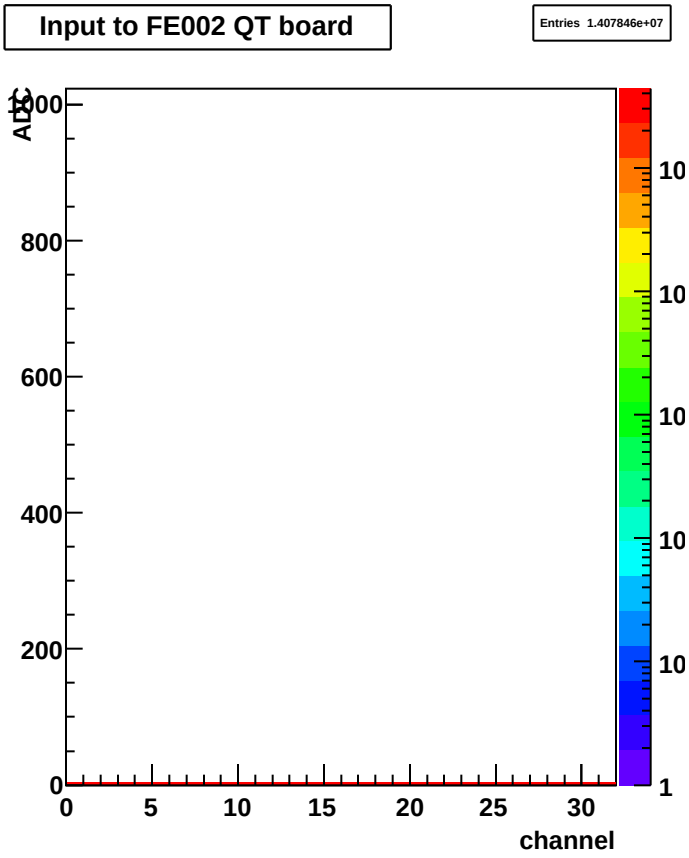

Input to FPD L2 DSM
Entries 1319856
CL bits - simulated
439952
439952
439952
SMALL
LARGE-S
LARGE-N

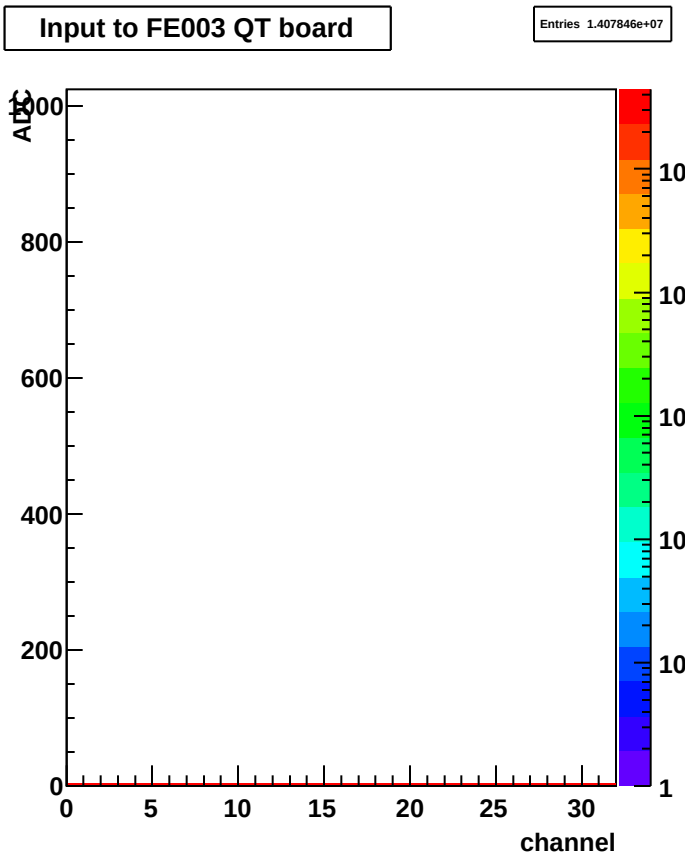

Input to FPD L2 DSM
Entries 1319856
HT bits
436839
439952
439952
3113
SMALL
LARGE-S
LARGE-N

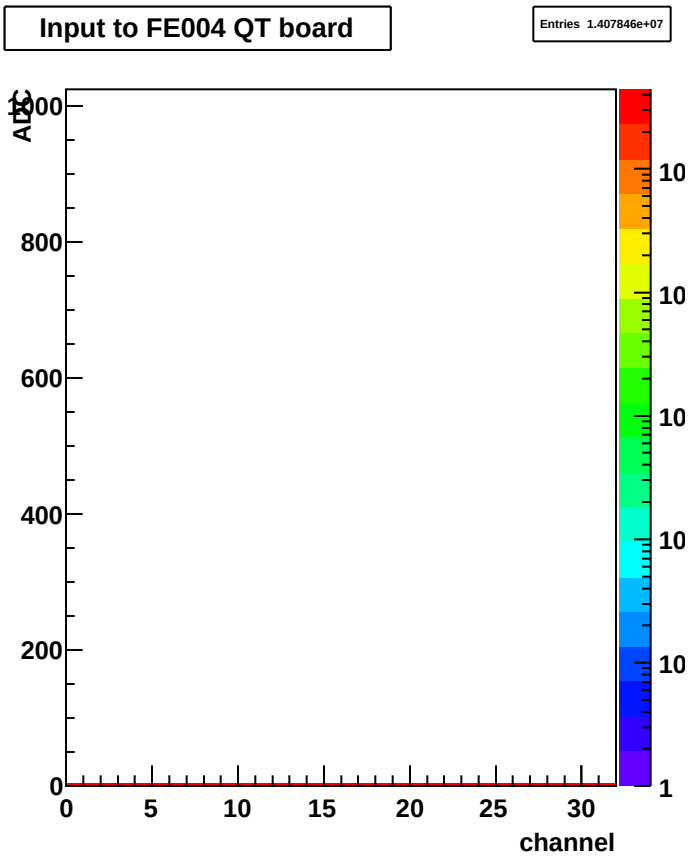

Input to FPD L2 DSM
Entries 1319856
HT bits - simulated
436839
439952
439952
3113
SMALL
LARGE-S
LARGE-N

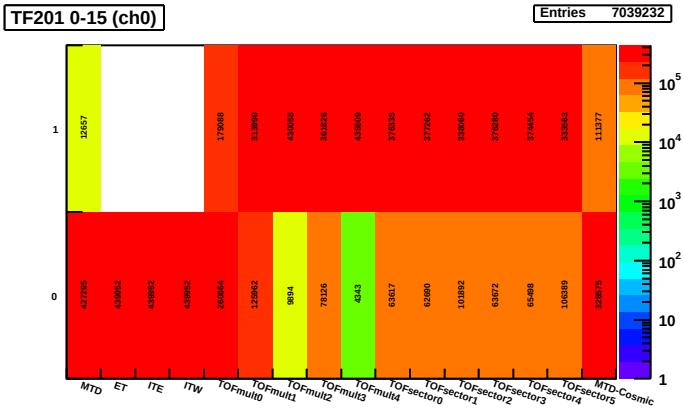

Input to FPD L2 DSM
Entries 1759808
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

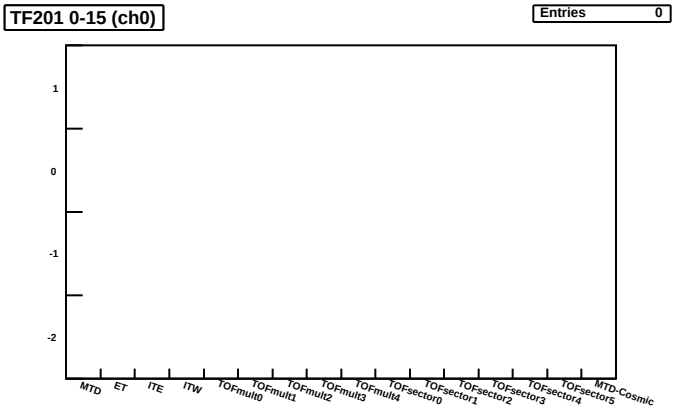

Input to FE001 QT board
Entries 1.407846e+07
ADC
channel

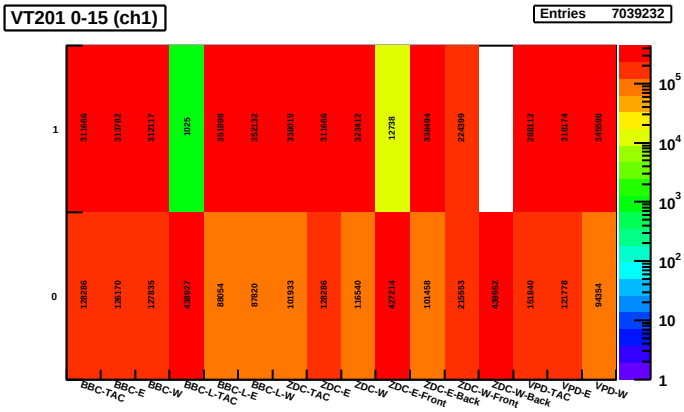

Input to FE002 QT board
Entries 1.407846e+07
ADC
channel

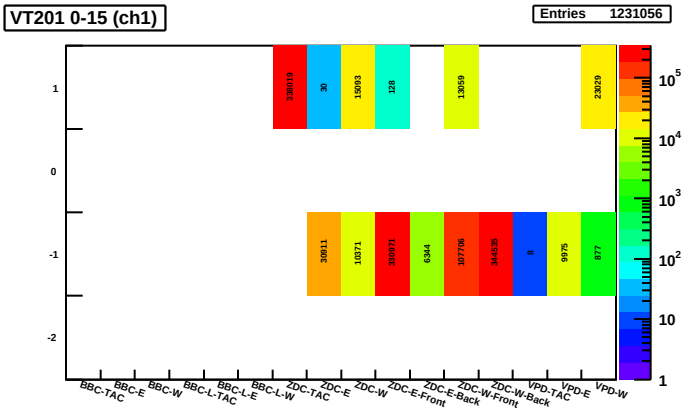

Input to FE003 QT board
Entries 1.407846e+07
ADC
channel

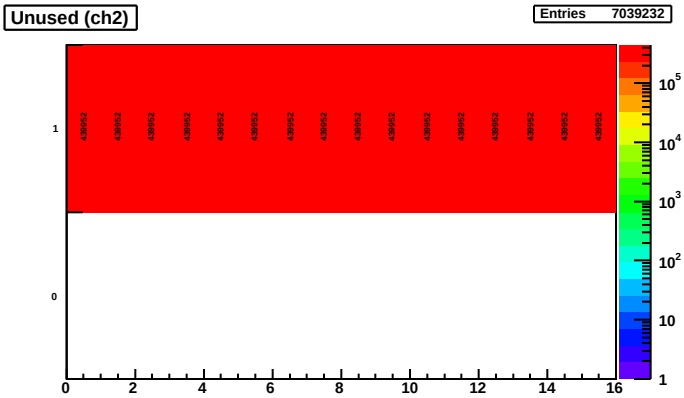

Input to FE004 QT board
Entries 1.407846e+07
ADC
channel

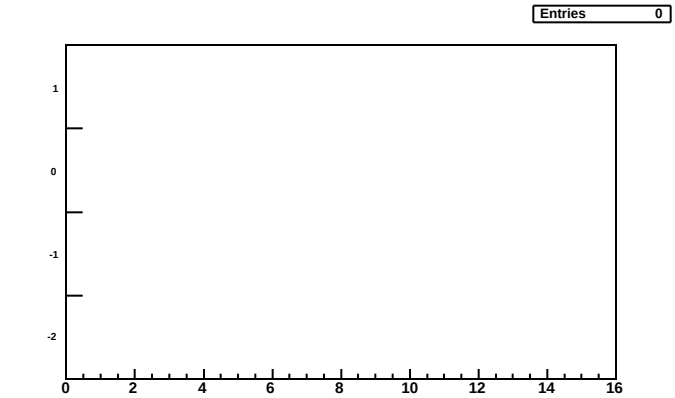

TF201 0-15 (ch0)
Entries 7039232
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

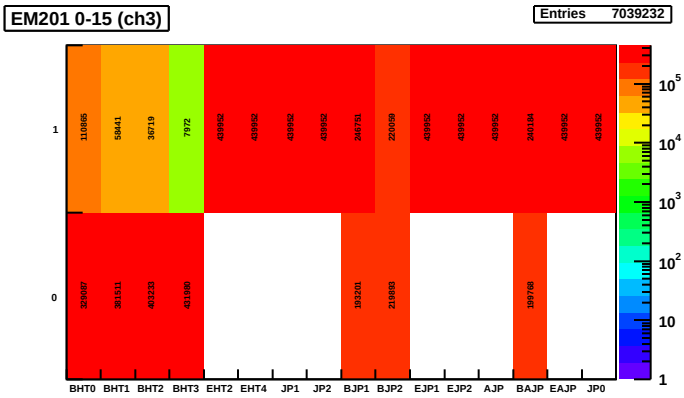

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

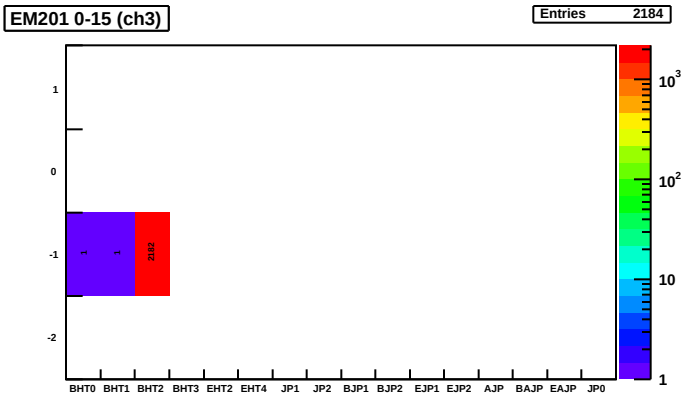

VT201 0-15 (ch1)
Entries 7039232
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 1231056
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

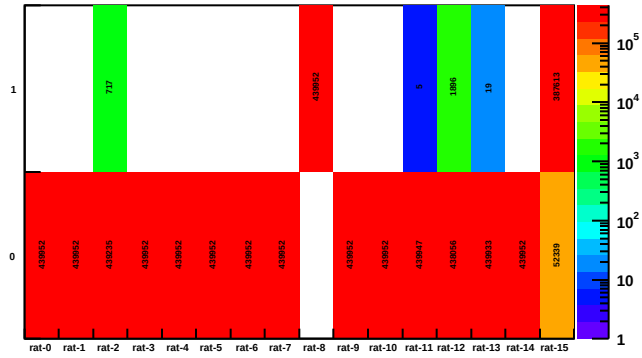

Unused (ch2)
Entries 7039232

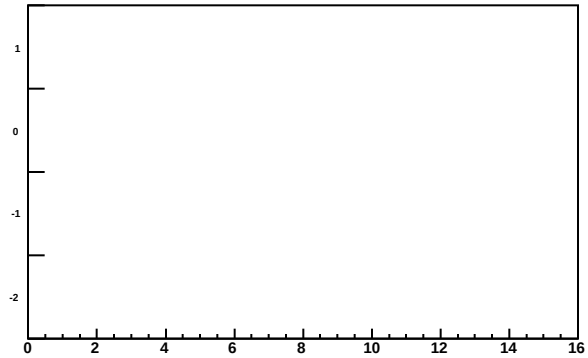

Entries 0


EM201 0-15 (ch3)
Entries 7039232
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

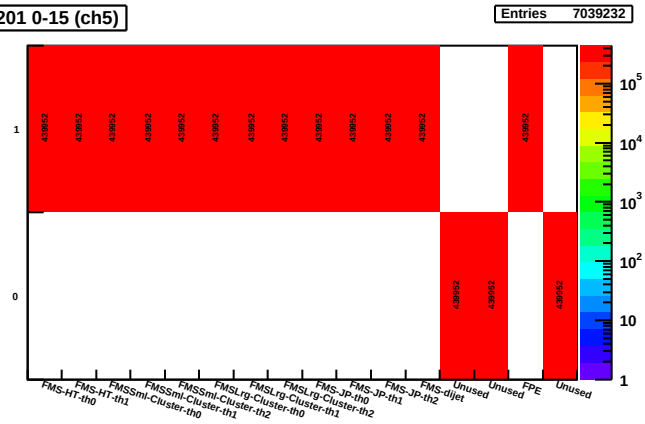

EM201 0-15 (ch3)
Entries 2184
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

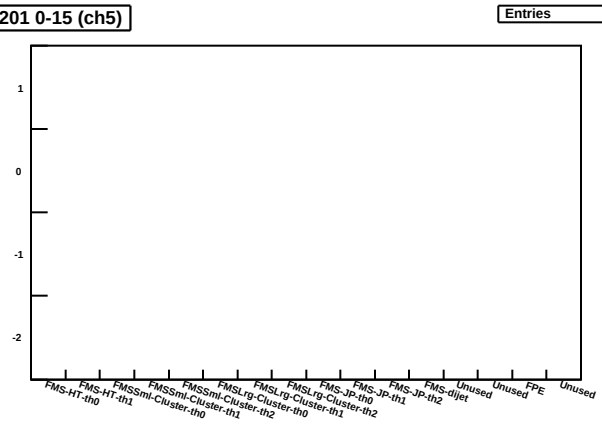




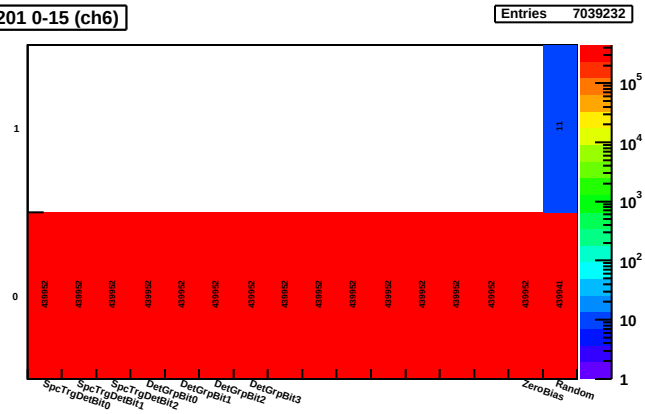
FP201 0-15 (ch5)

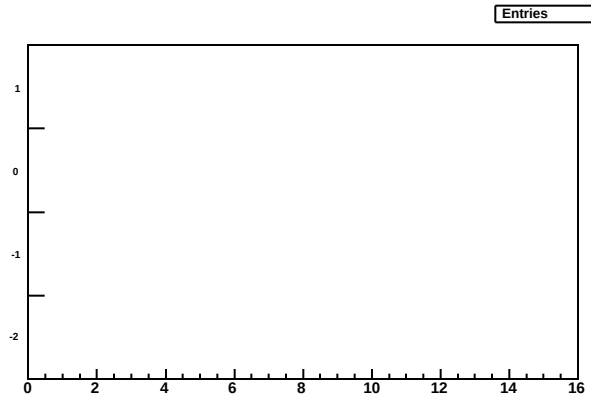
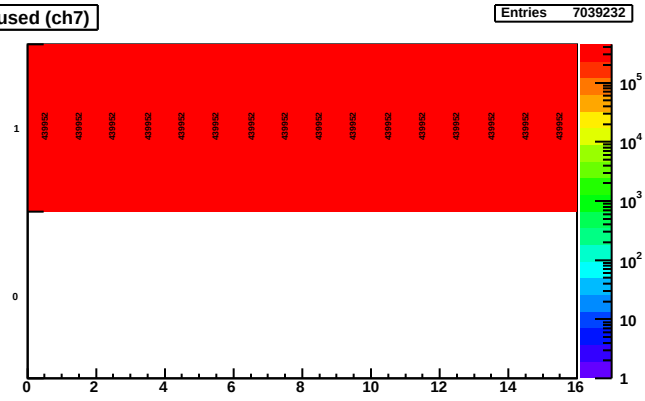
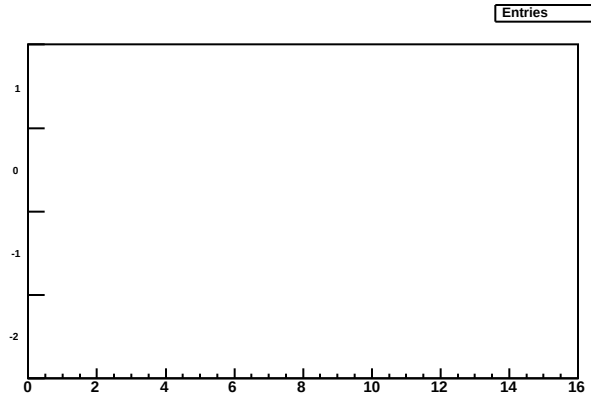


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)