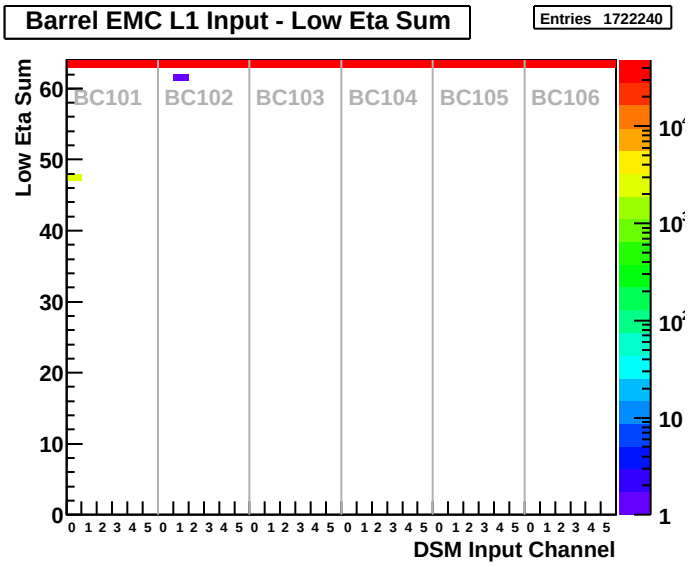
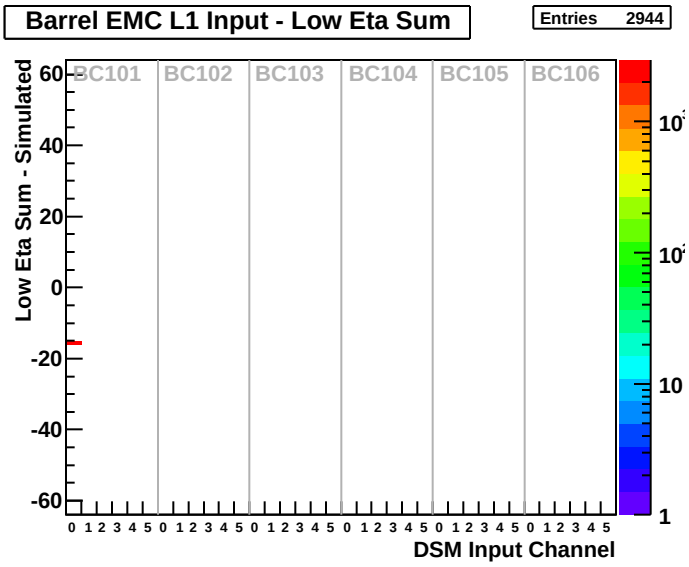
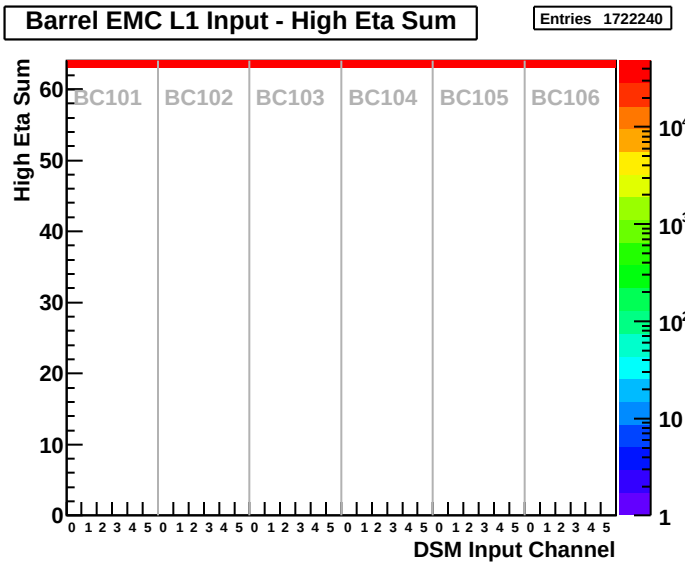
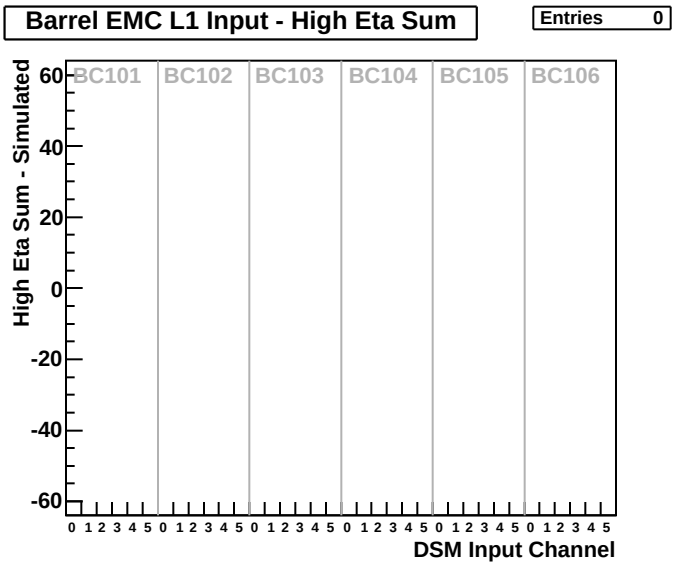
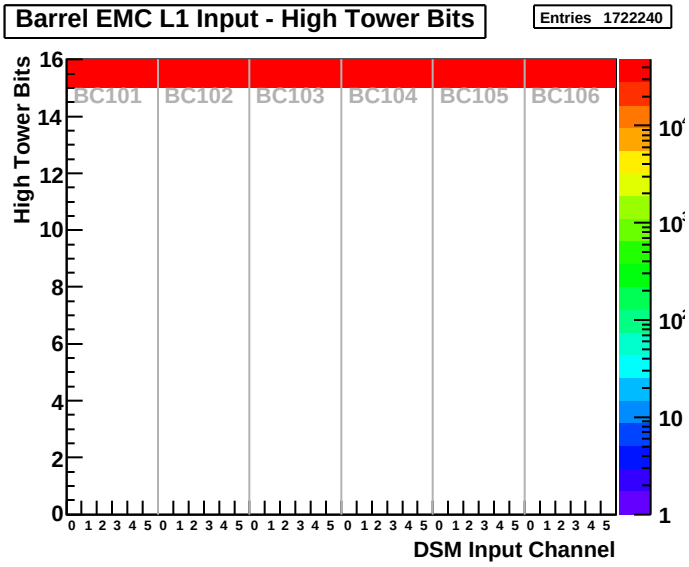
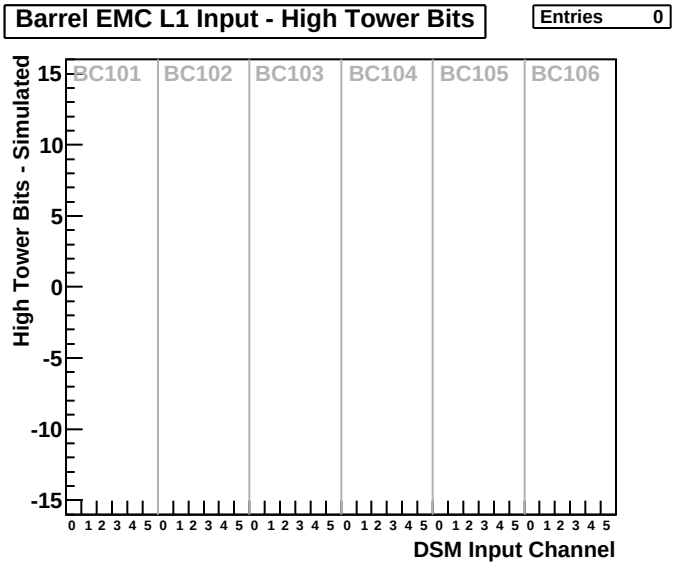

Barrel EMC L1 Input - Low Eta Sum
Entries 1722240
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

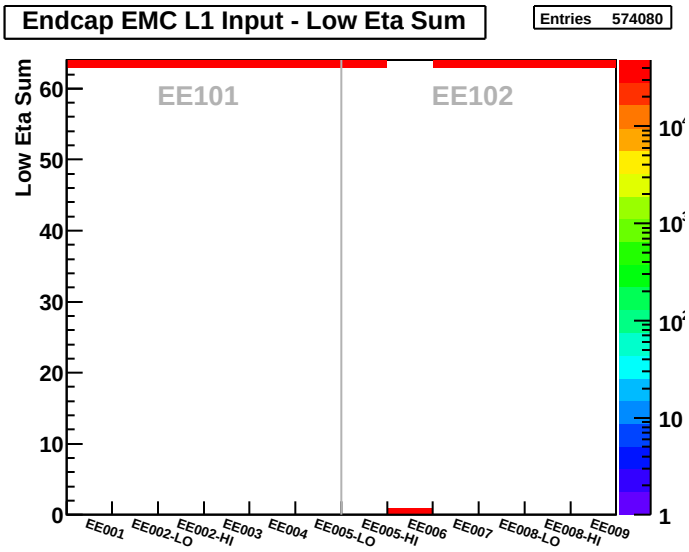

Barrel EMC L1 Input - Low Eta Sum
Entries 2944
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

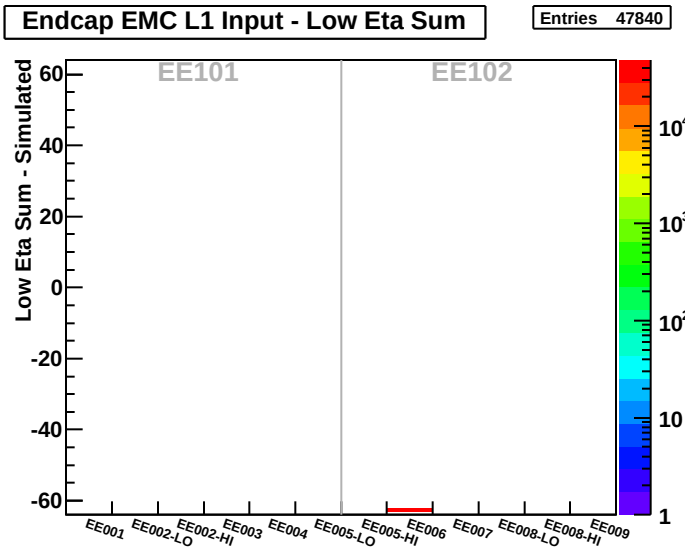

Barrel EMC L1 Input - High Eta Sum
Entries 1722240
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

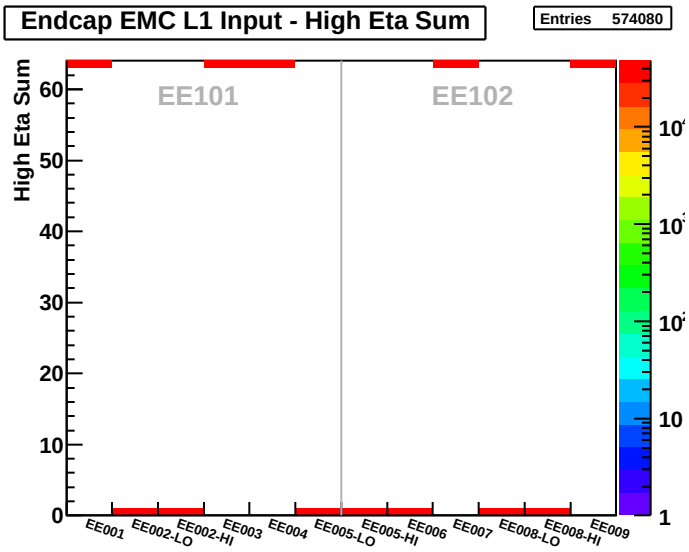

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

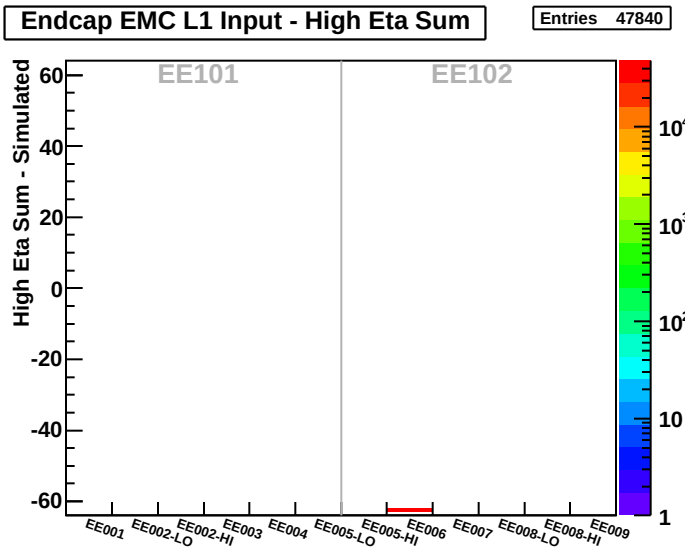

Barrel EMC L1 Input - High Tower Bits
Entries 1722240
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

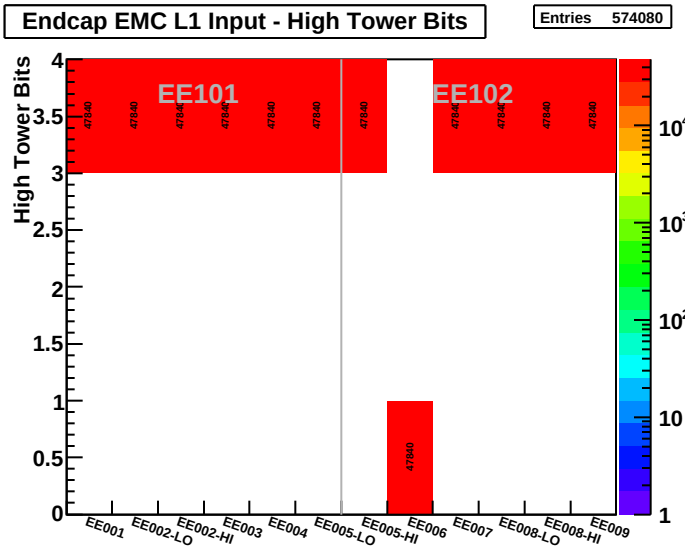

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

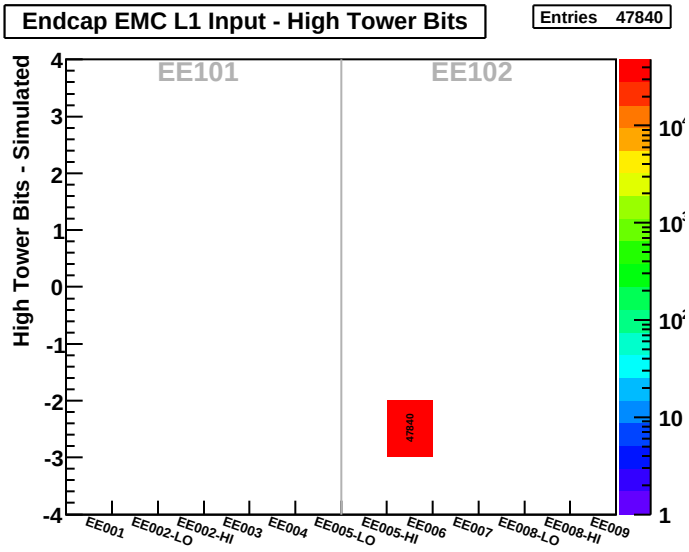

Endcap EMC L1 Input - Low Eta Sum
Entries 574080
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

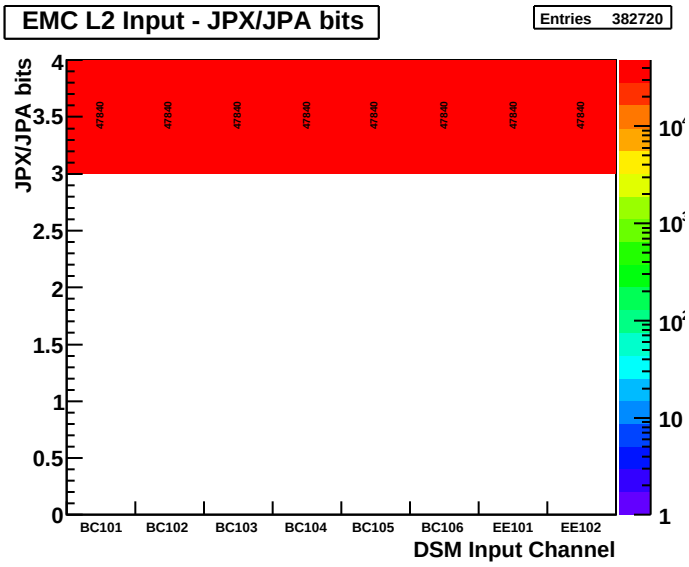

Endcap EMC L1 Input - Low Eta Sum
Entries 47840
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

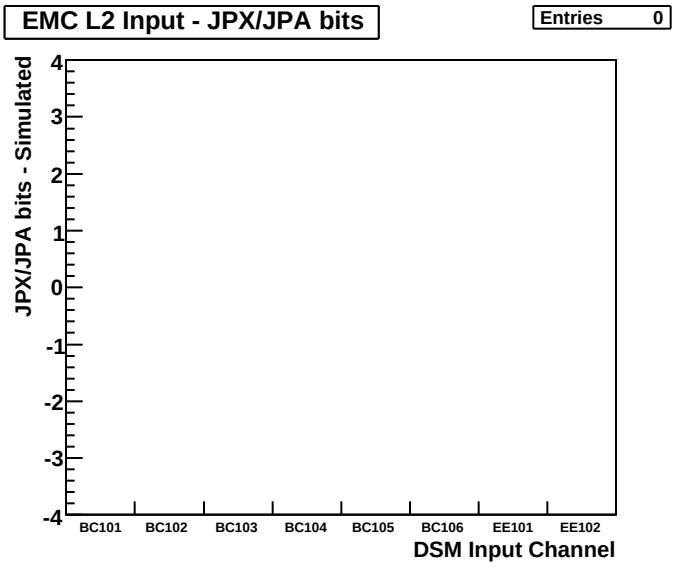

Endcap EMC L1 Input - High Eta Sum
Entries 574080
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

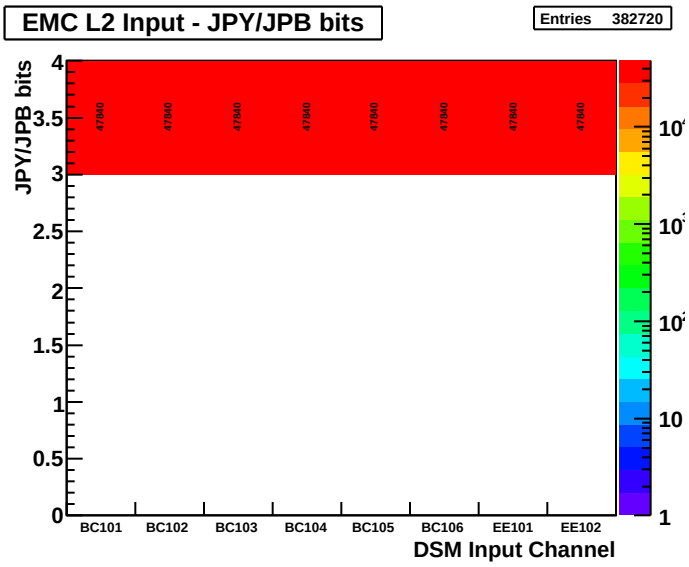

Endcap EMC L1 Input - High Eta Sum
Entries 47840
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

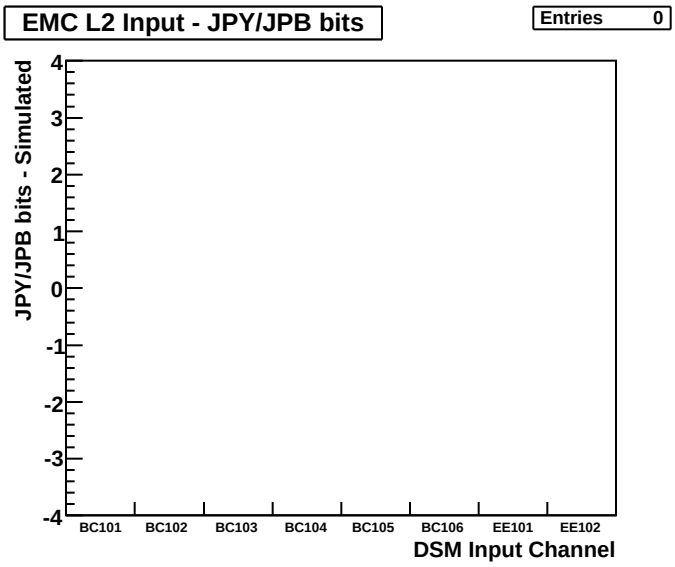

Endcap EMC L1 Input - High Tower Bits
Entries 574080
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

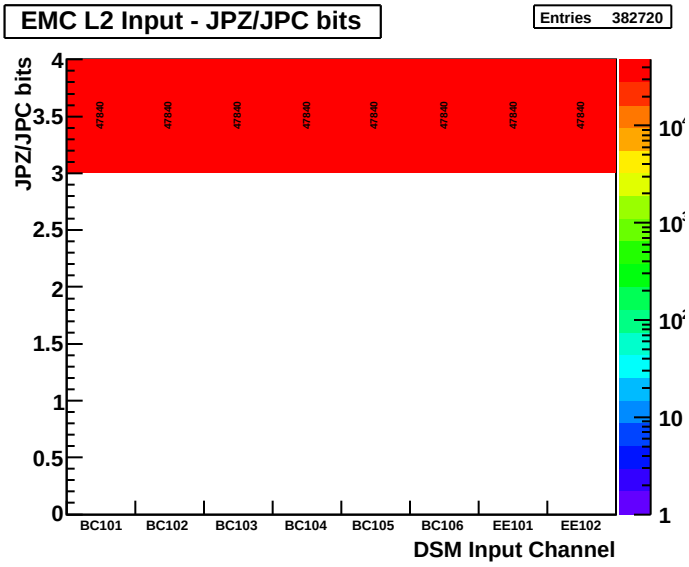

Endcap EMC L1 Input - High Tower Bits
Entries 47840
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

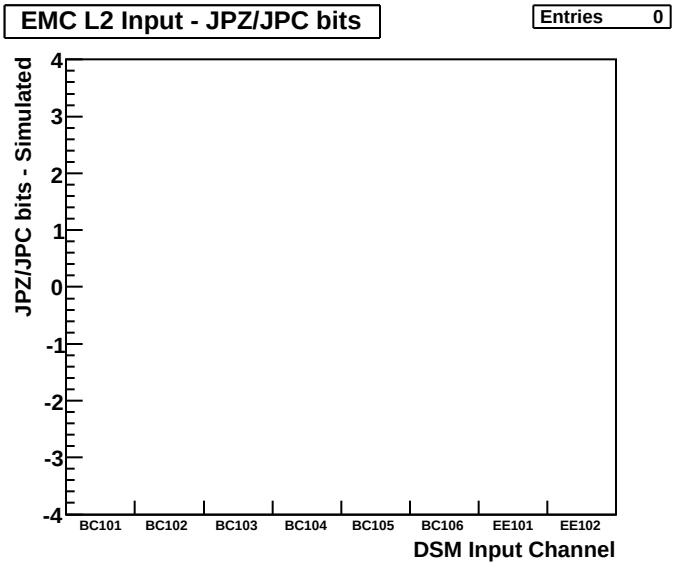

EMC L2 Input - JPX/JPA bits
Entries 382720
JPX/JPA bits
47840
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

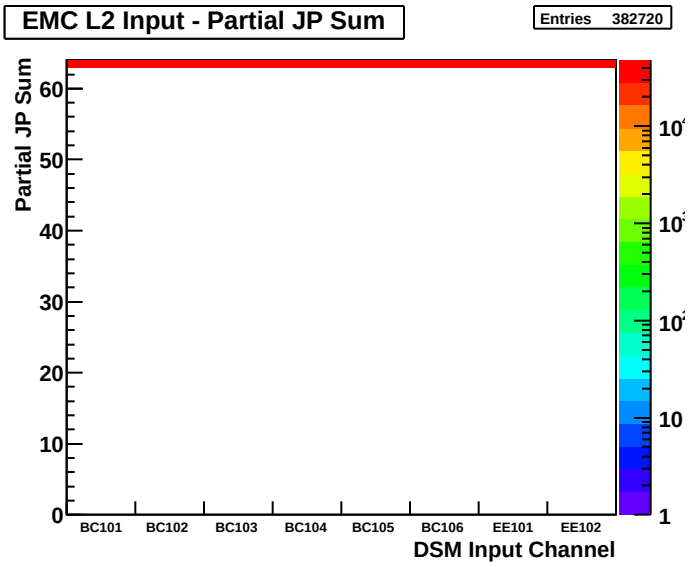

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

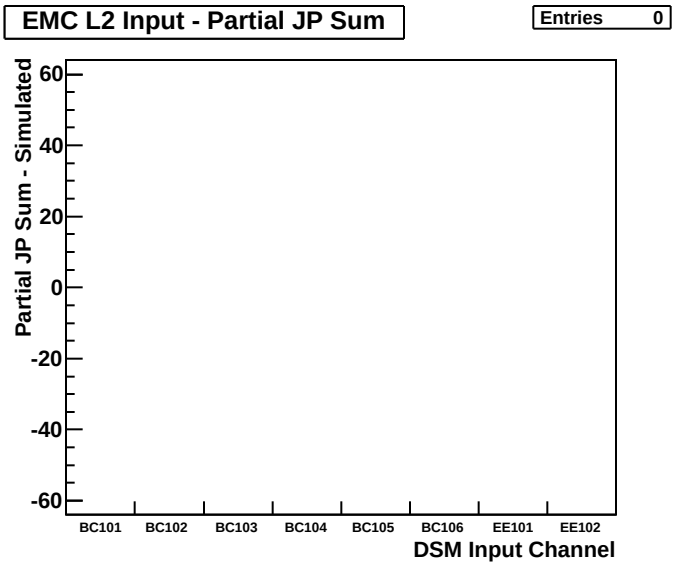

EMC L2 Input - JPY/JPB bits
Entries 382720
JPY/JPB bits
47840
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

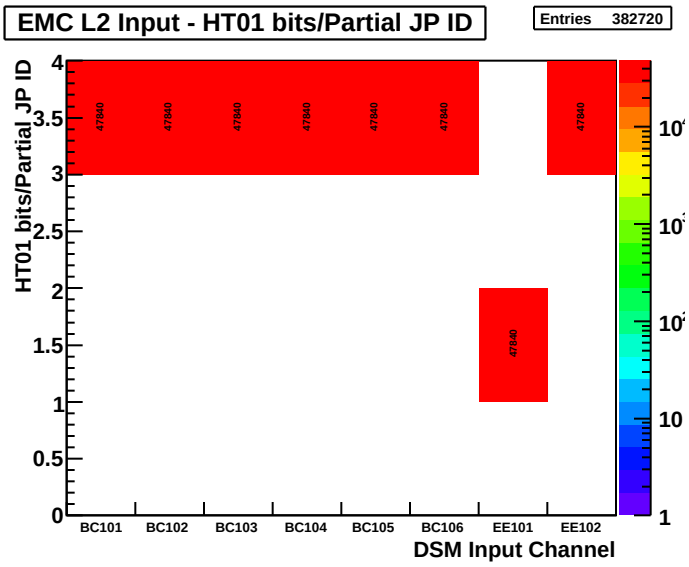

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

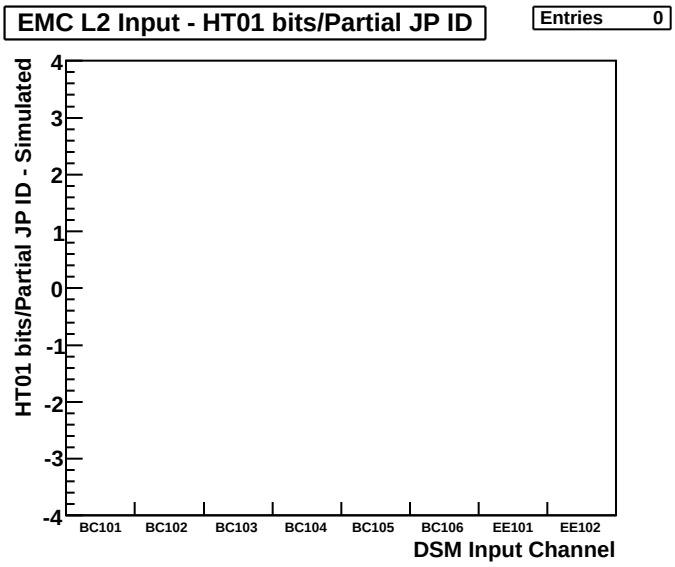

EMC L2 Input - JPZ/JPC bits
Entries 382720
JPZ/JPC bits
47840
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

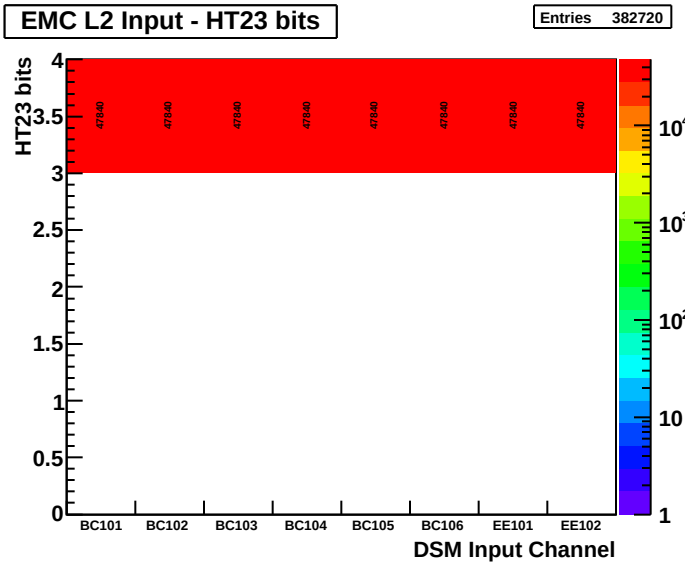

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

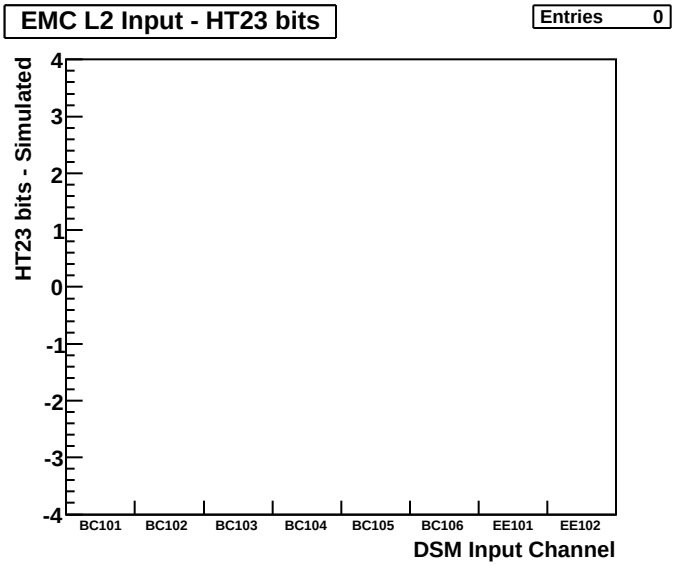

EMC L2 Input - Partial JP Sum
Entries 382720
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

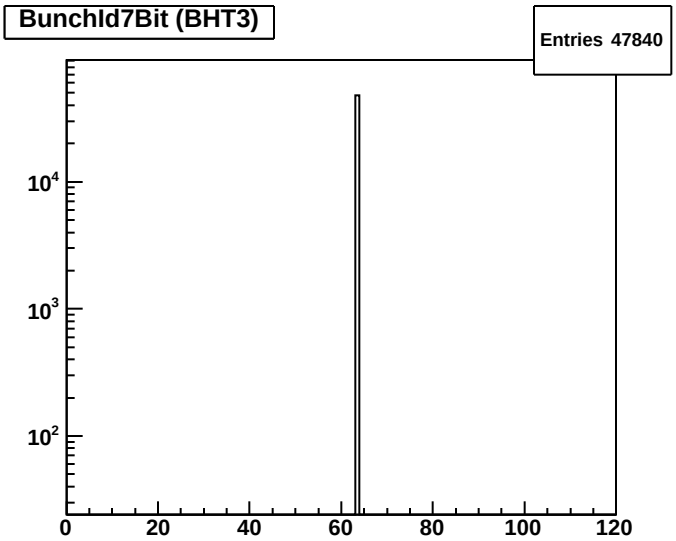

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

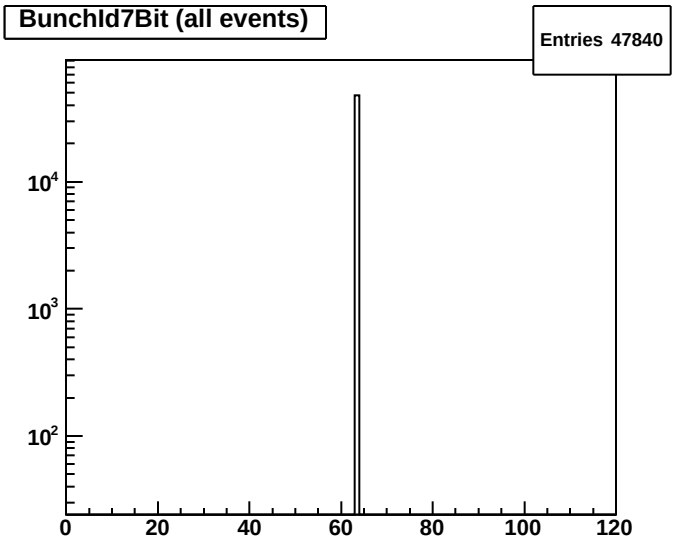

EMC L2 Input - HT01 bits/Partial JP ID
Entries 382720
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

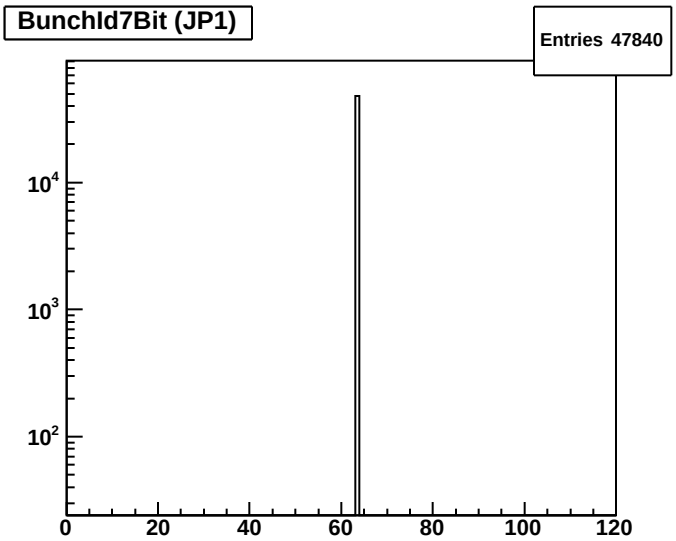

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

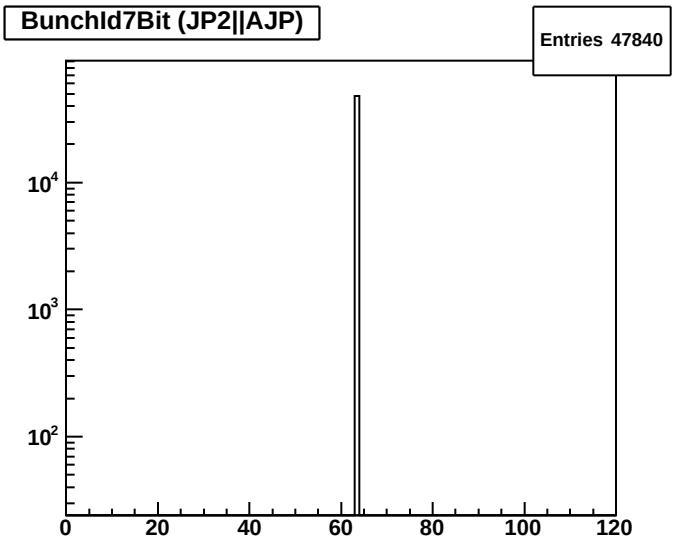

EMC L2 Input - HT23 bits
Entries 382720
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

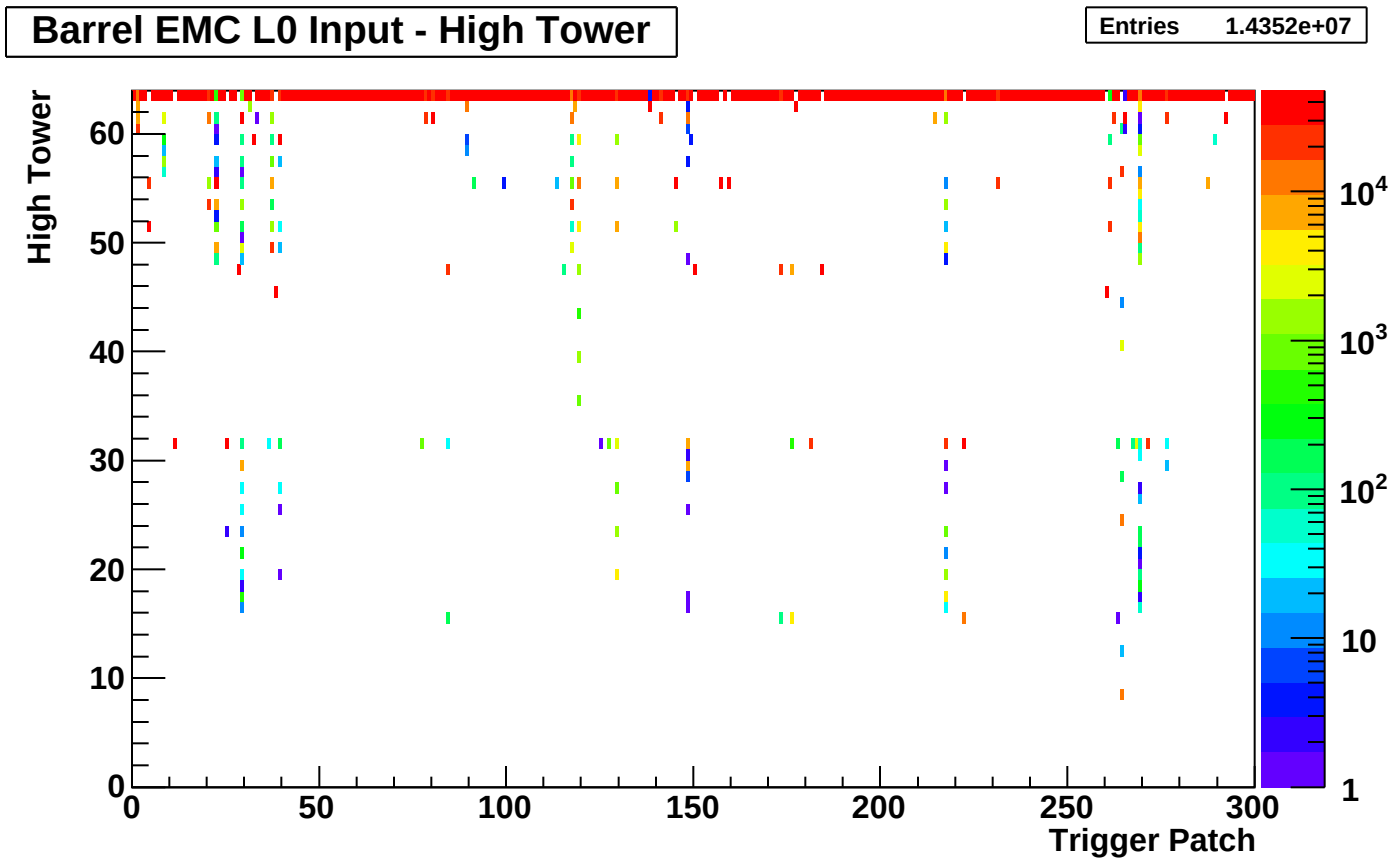

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

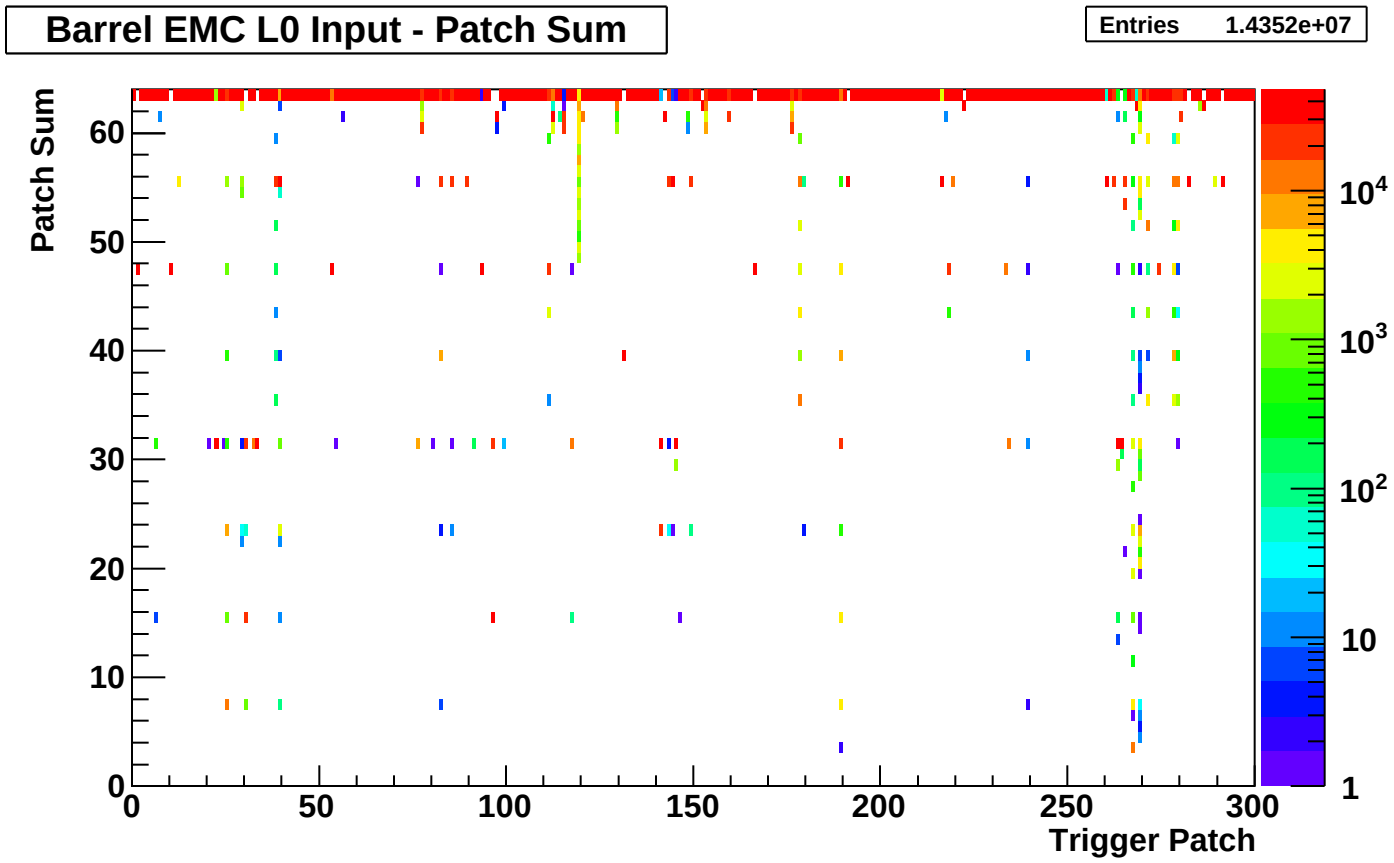

BunchId7Bit (BHT3)
Entries 47840
10^4
10^3
10^2
0
20
40
60
80
100
120

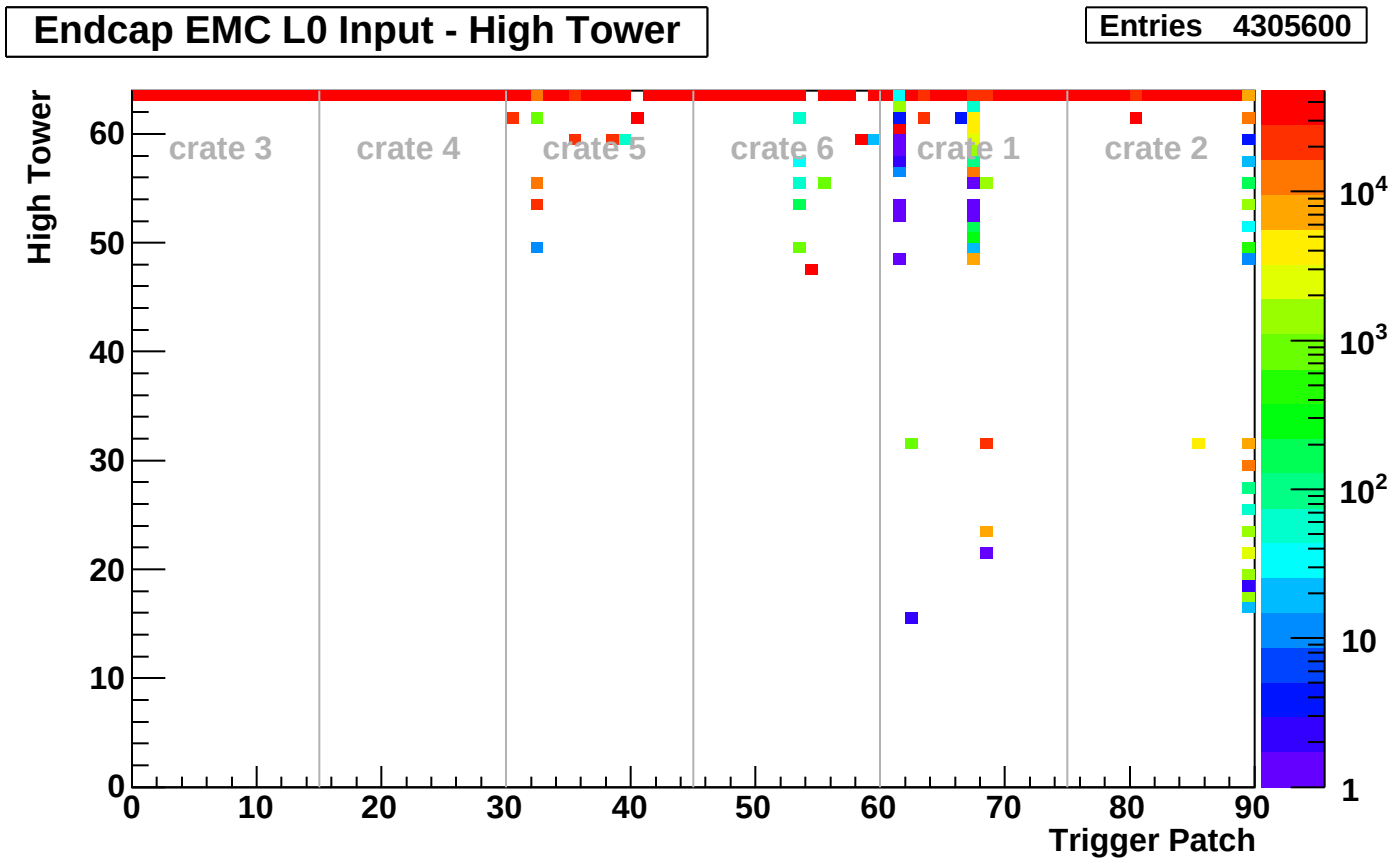

BunchId7Bit (all events)
Entries 47840
10^4
10^3
10^2
0
20
40
60
80
100
120

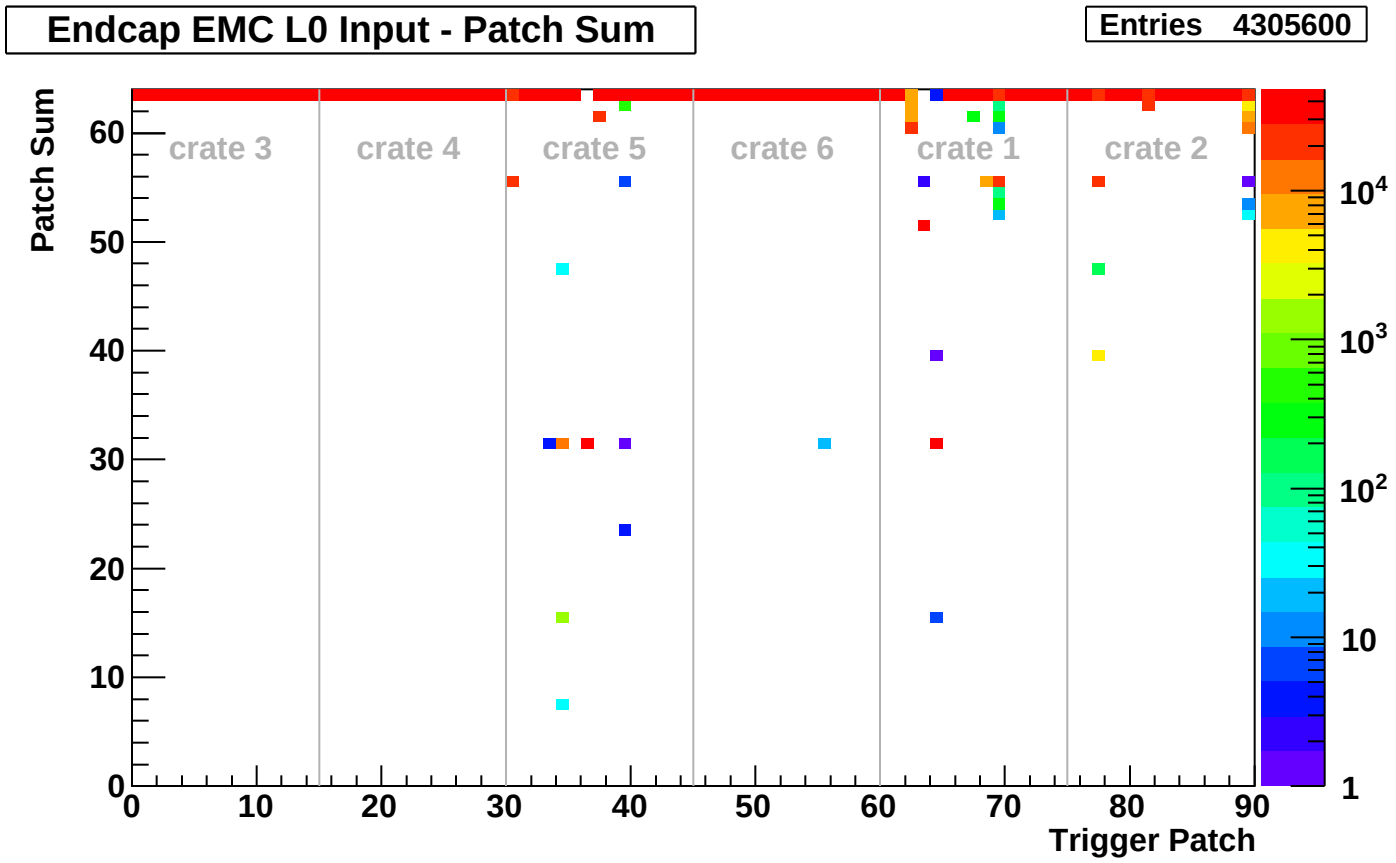

BunchId7Bit (JP1)
Entries 47840
10^4
10^3
10^2
0
20
40
60
80
100
120

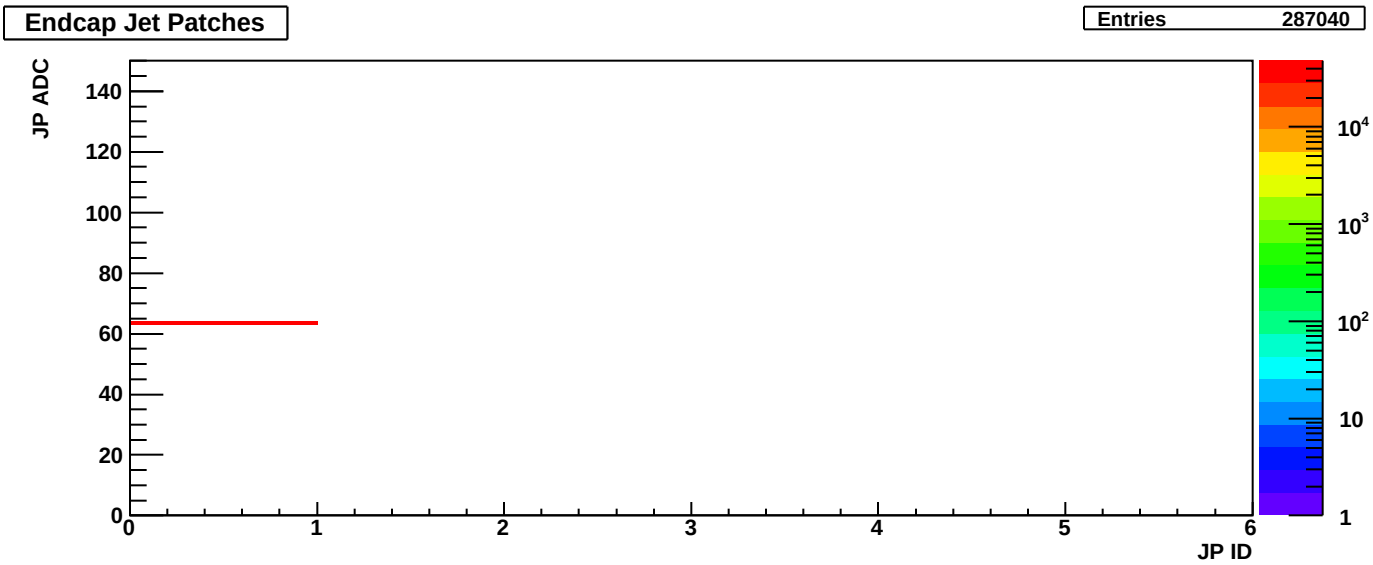

BunchId7Bit (JP2||AJP)
Entries 47840
10^4
10^3
10^2
0
20
40
60
80
100
120

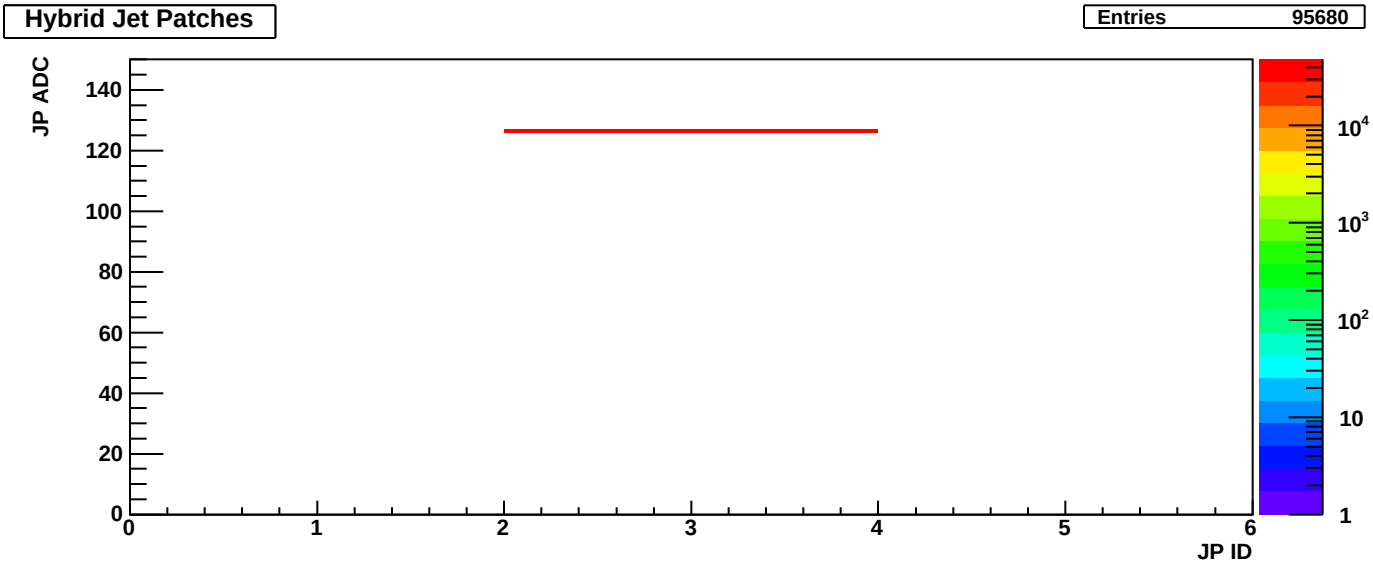

Barrel EMC L0 Input - High Tower
Entries 1.4352e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

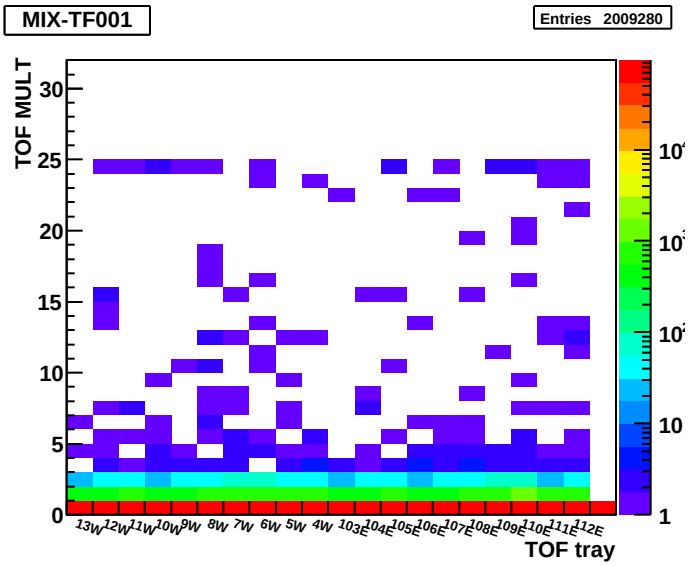

Barrel EMC L0 Input - Patch Sum
Entries 1.4352e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

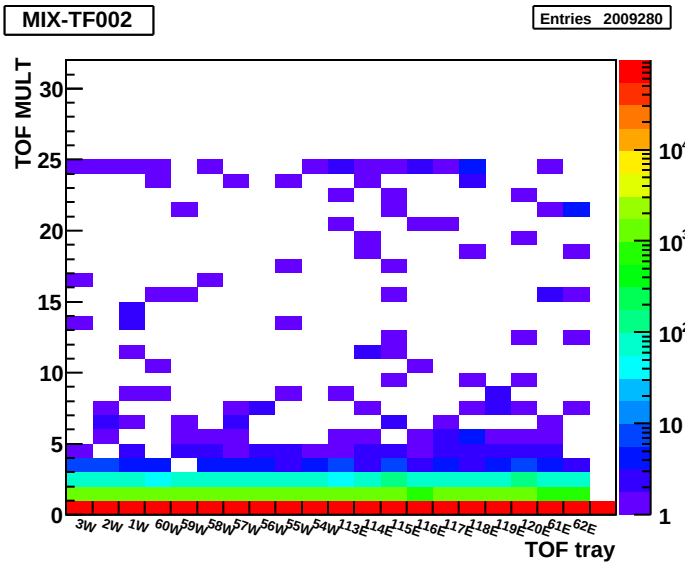

Endcap EMC L0 Input - High Tower
Entries 4305600
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

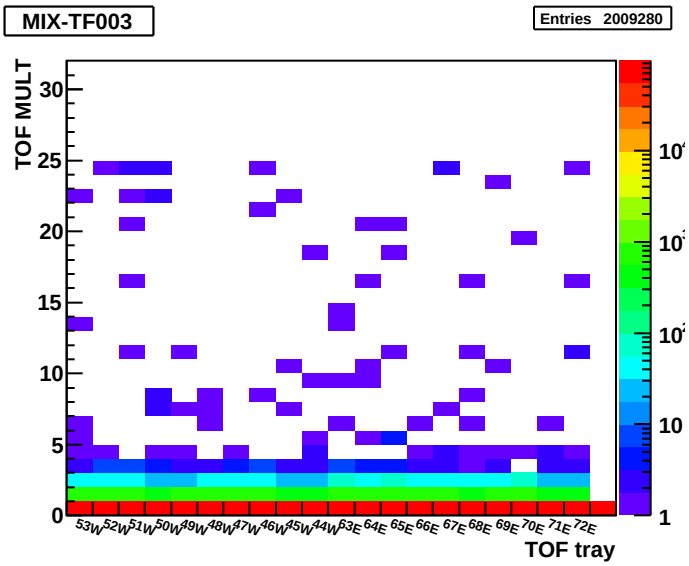

Endcap EMC L0 Input - Patch Sum
Entries 4305600
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

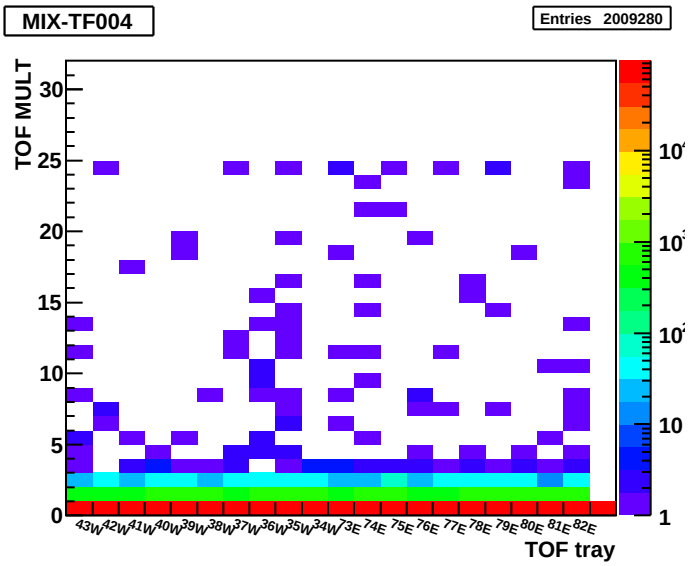

Endcap Jet Patches
Entries 287040
JP ADC
JP ID

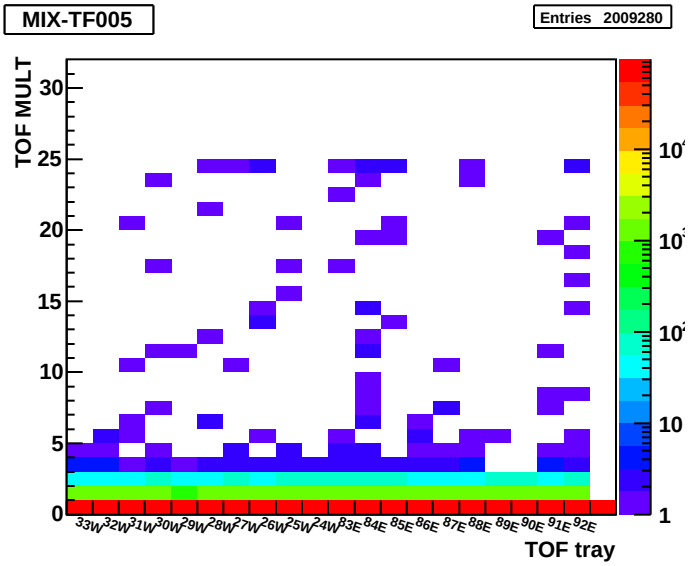

Hybrid Jet Patches
Entries 95680
JP ADC
JP ID

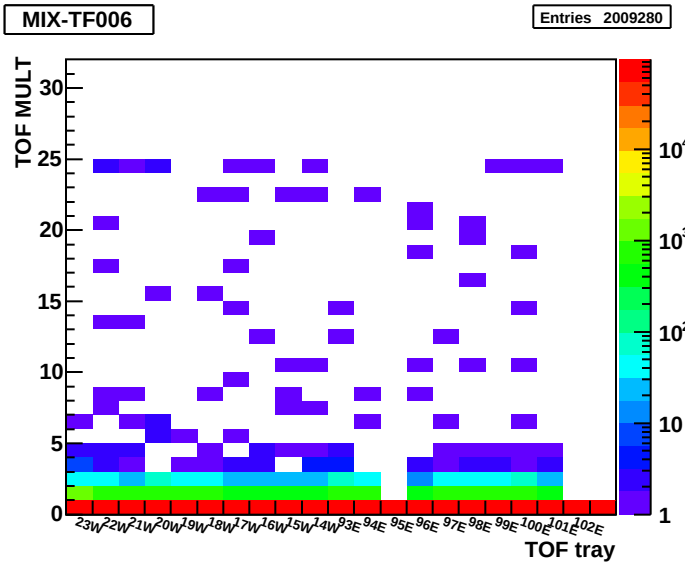

MIX-TF001
Entries 2009280
TOF MULT
TOF tray

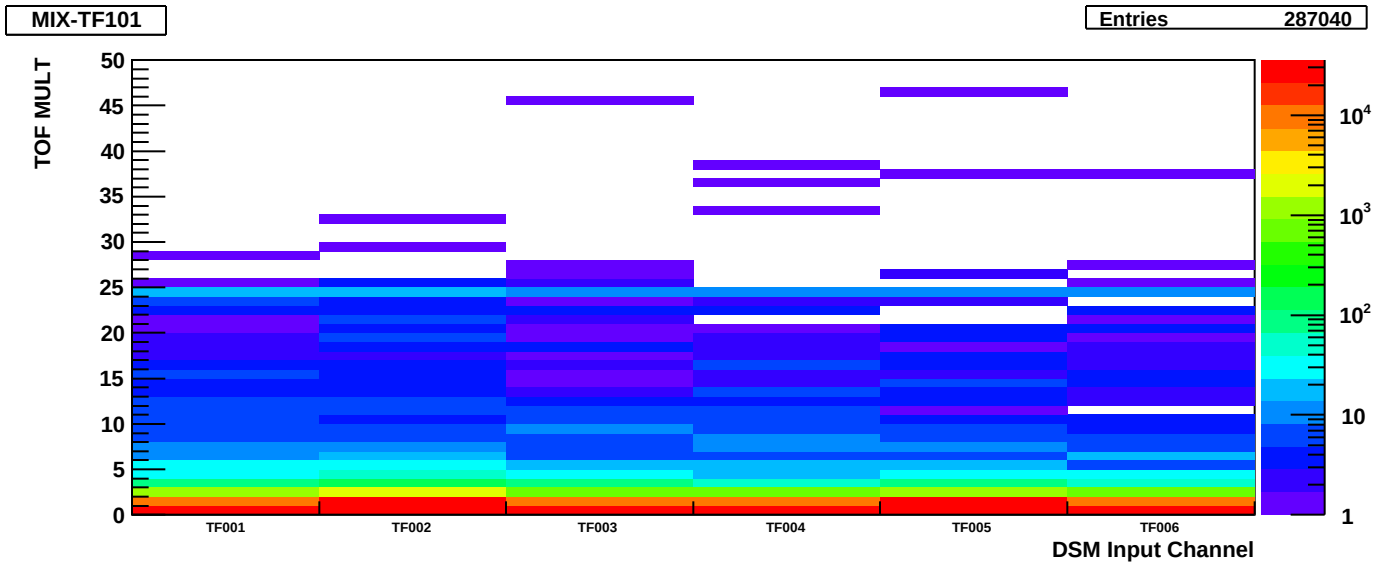

MIX-TF002
Entries 2009280
TOF MULT
TOF tray

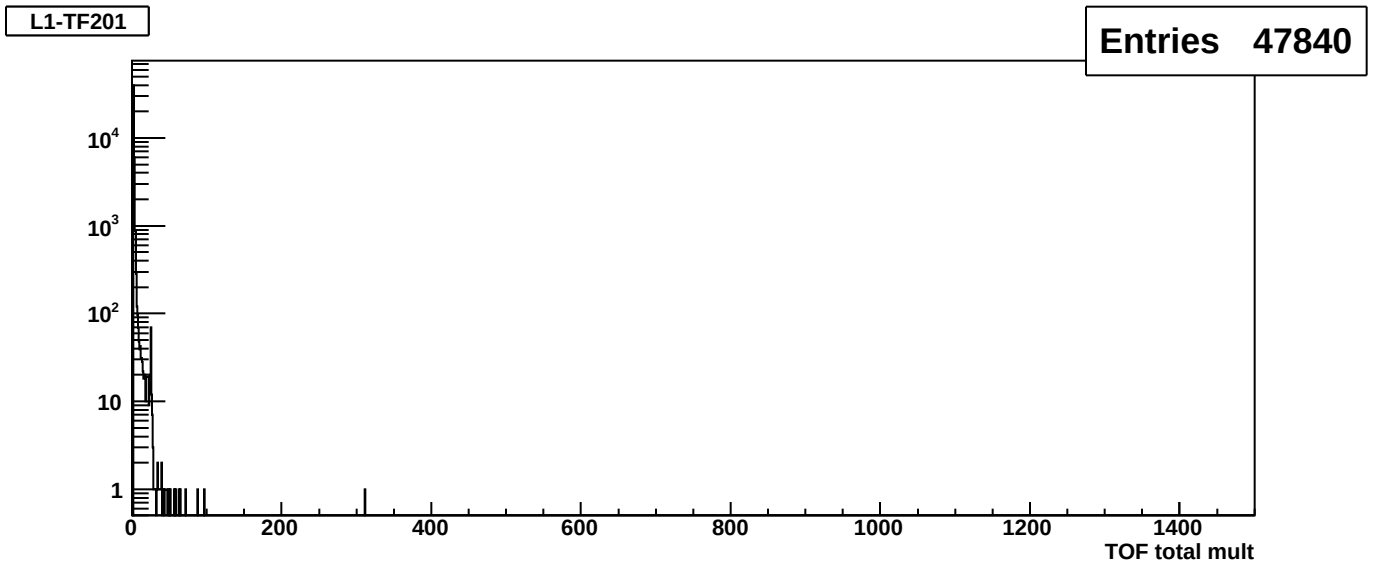

MIX-TF003
Entries 2009280
TOF MULT
TOF tray

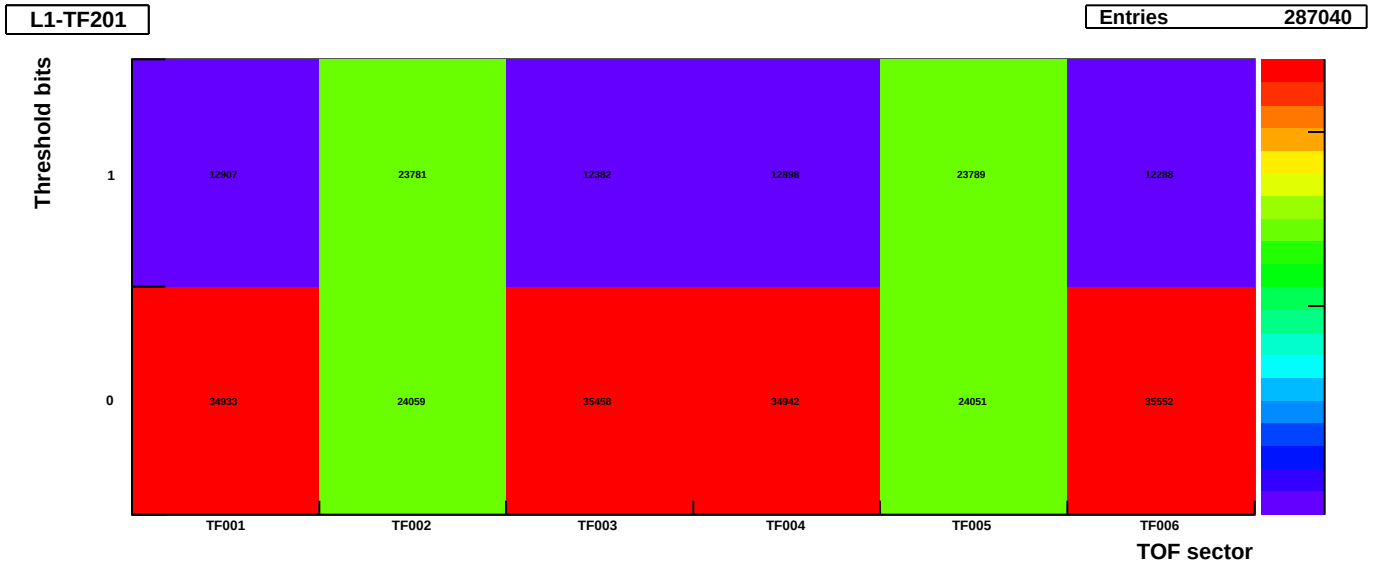

MIX-TF004
Entries 2009280
TOF MULT
TOF tray

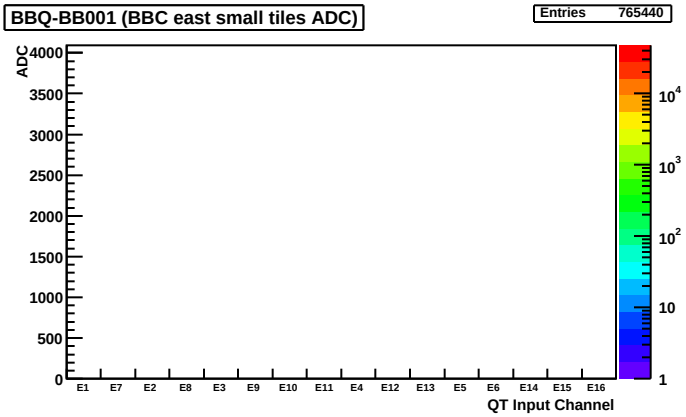

MIX-TF005
Entries 2009280
TOF MULT
TOF tray

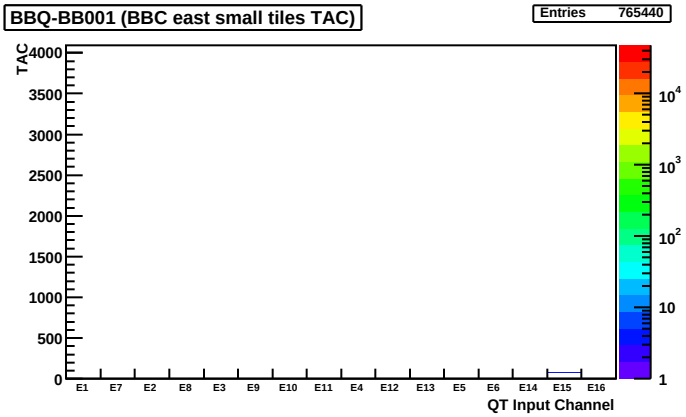

MIX-TF006
Entries 2009280
TOF MULT
TOF tray

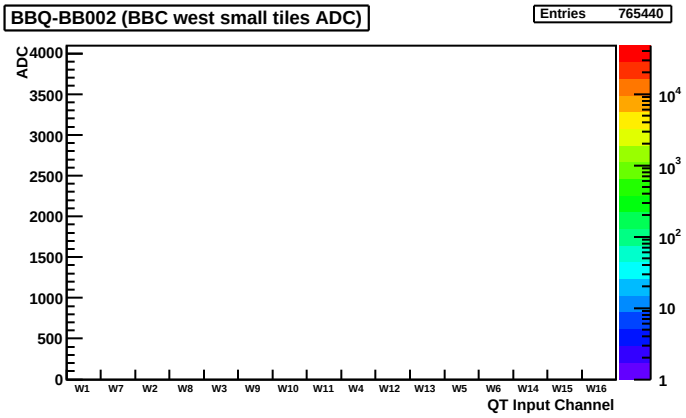

MIX-TF101
Entries 287040
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

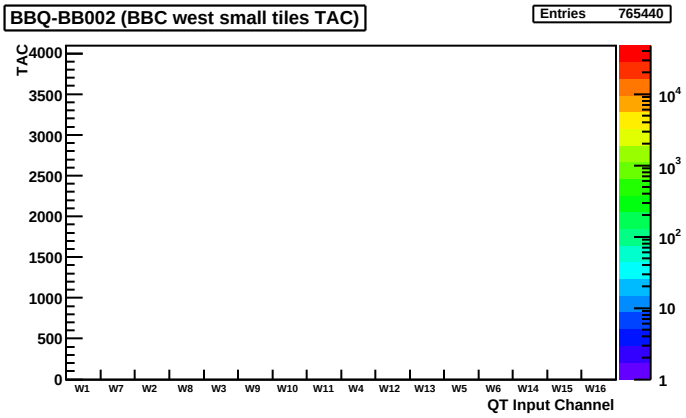

L1-TF201
Entries 47840
TOF total mult

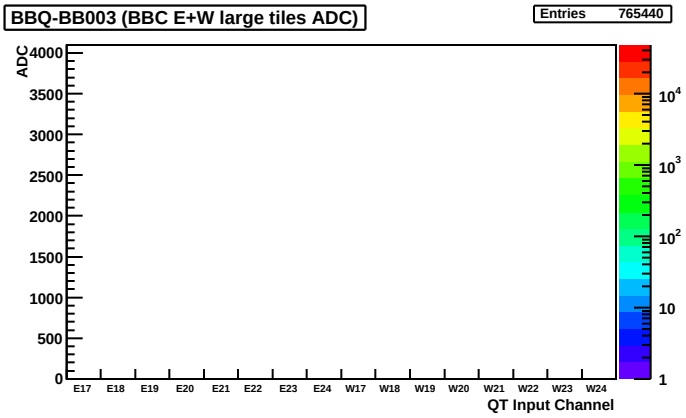

L1-TF201
Entries 287040
Threshold bits
12907
23781
12382
12898
23789
12288
34933
24059
35458
34942
24051
35552
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector

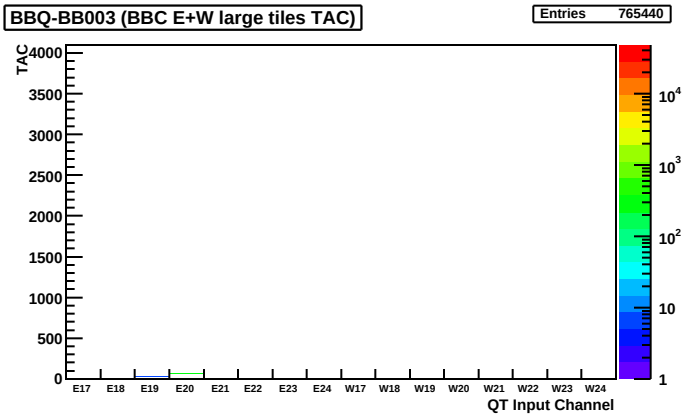

BBQ-BB001 (BBC east small tiles ADC)
Entries 765440
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

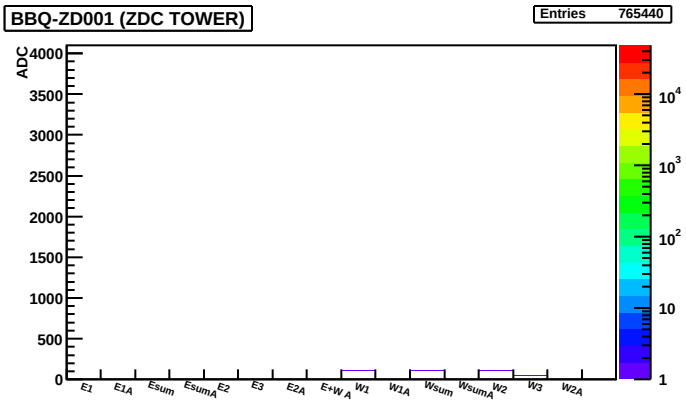

BBQ-BB001 (BBC east small tiles TAC)
Entries 765440
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

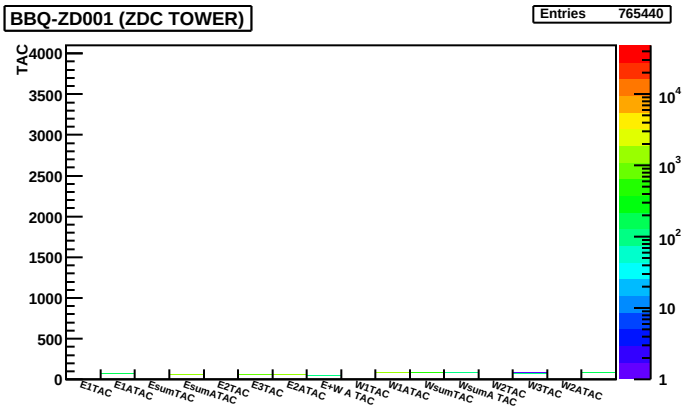

BBQ-BB002 (BBC west small tiles ADC)
Entries 765440
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

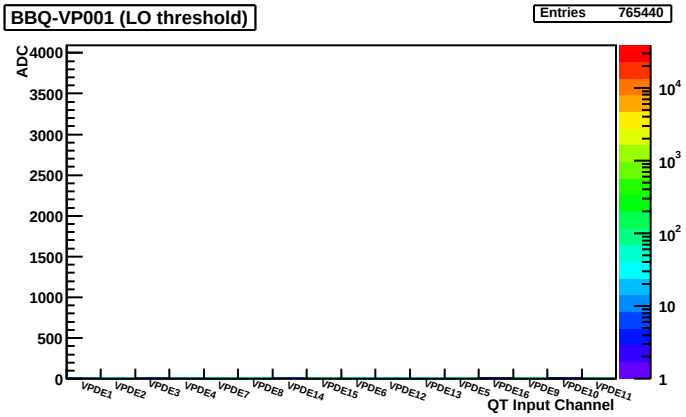

BBQ-BB002 (BBC west small tiles TAC)
Entries 765440
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

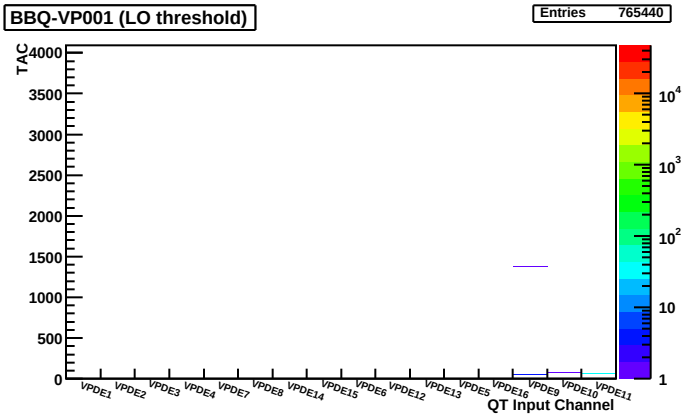

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 765440
ADC
QT Input Channel
E17 E18 E19 E20 E21 E22 E23 E24 W17 W18 W19 W20 W21 W22 W23 W24

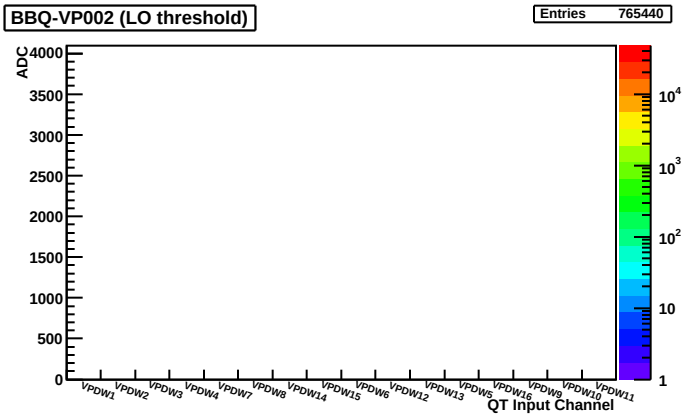

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 765440
TAC
QT Input Channel
E17 E18 E19 E20 E21 E22 E23 E24 W17 W18 W19 W20 W21 W22 W23 W24

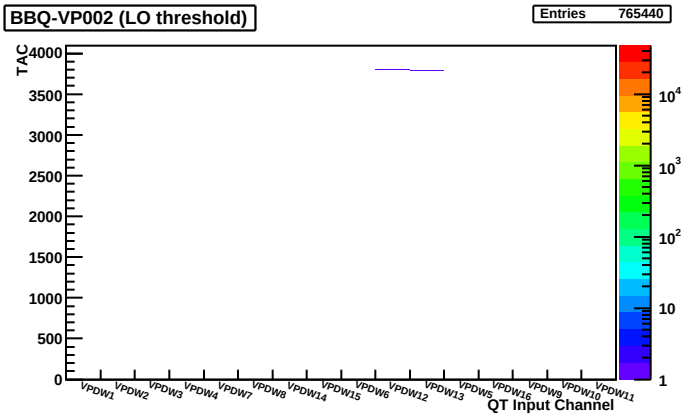

BBQ-ZD001 (ZDC TOWER)
Entries 765440
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

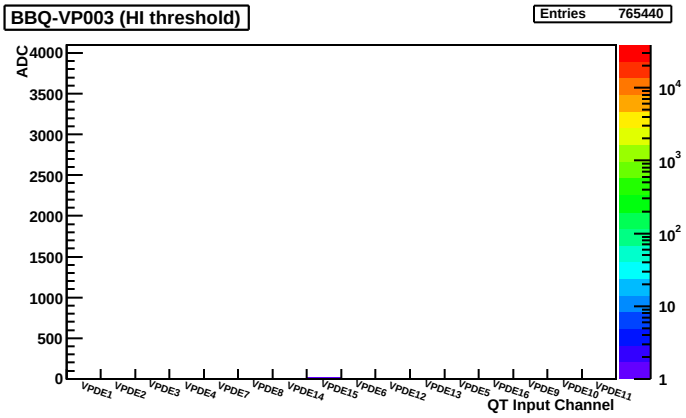

BBQ-ZD001 (ZDC TOWER)
Entries 765440
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

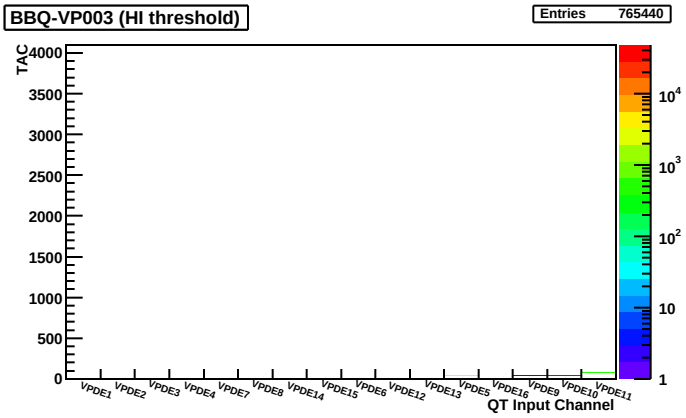

BBQ-VP001 (LO threshold)
Entries 765440
ADC
QT Input Channel

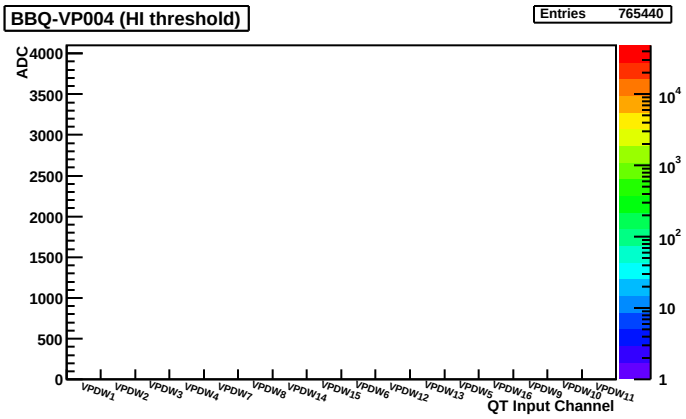

BBQ-VP001 (LO threshold)
Entries 765440
TAC
QT Input Channel

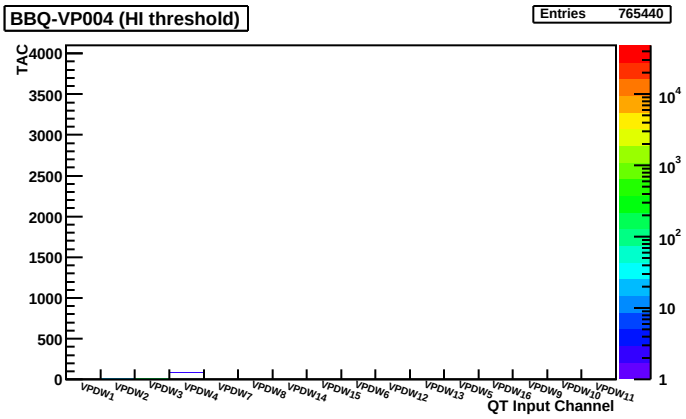

BBQ-VP002 (LO threshold)
Entries 765440
ADC
QT Input Channel

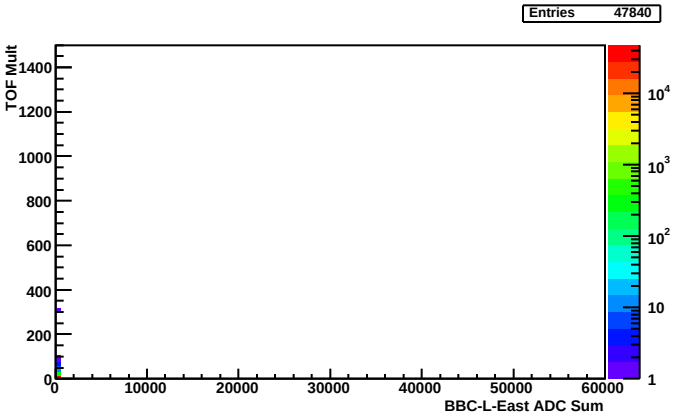

BBQ-VP002 (LO threshold)
Entries 765440
TAC
QT Input Channel

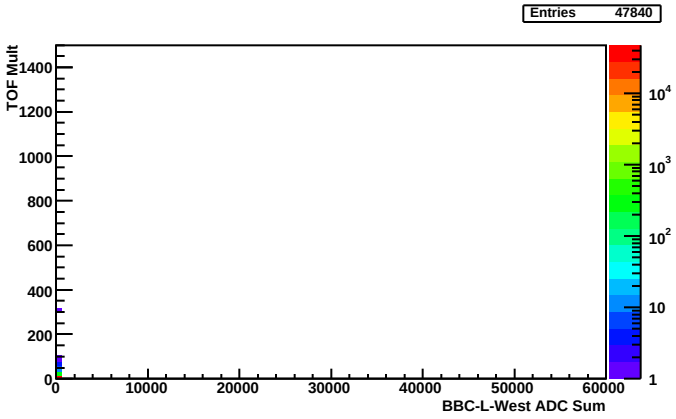

BBQ-VP003 (HI threshold)
Entries 765440
ADC
QT Input Channel

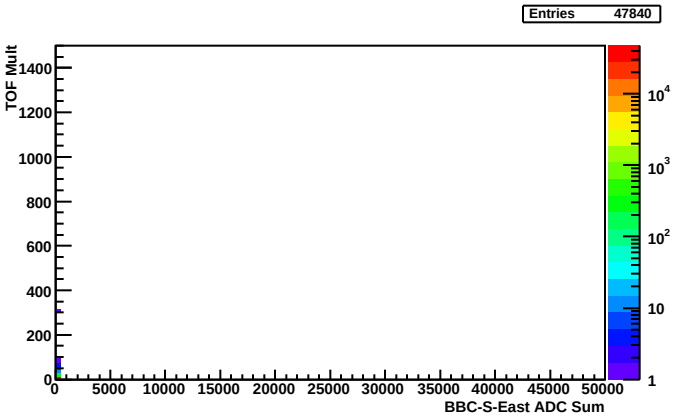

BBQ-VP003 (HI threshold)
Entries 765440
TAC
QT Input Channel

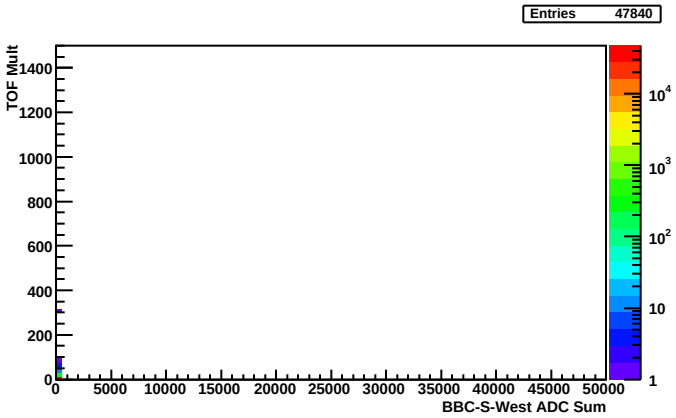

BBQ-VP004 (HI threshold)
Entries 765440
ADC
QT Input Channel

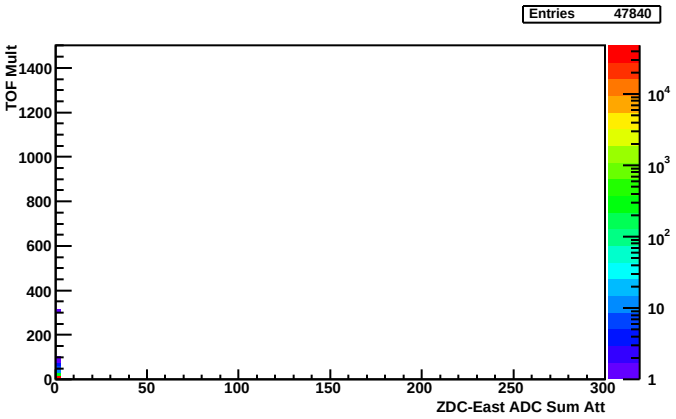

BBQ-VP004 (HI threshold)
Entries 765440
TAC
QT Input Channel

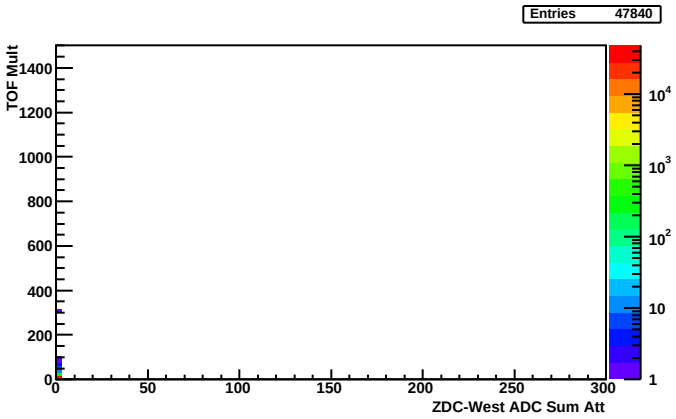

Entries 47840
TOF Mult
BBC-L-East ADC Sum

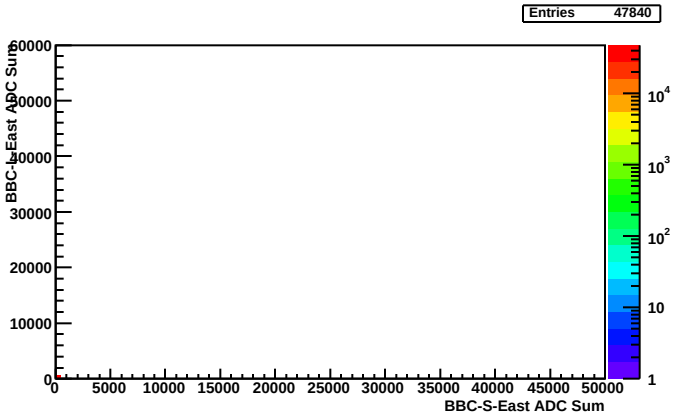

Entries 47840
TOF Mult
BBC-L-West ADC Sum

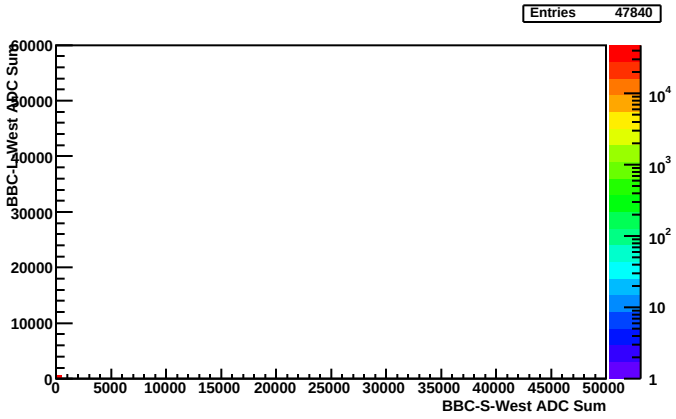

Entries 47840
TOF Mult
BBC-S-East ADC Sum

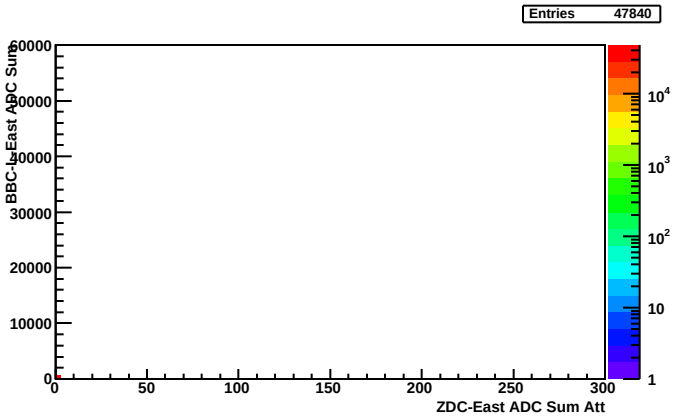

Entries 47840
TOF Mult
BBC-S-West ADC Sum


Entries 47840
TOF Mult
ZDC-East ADC Sum Att


Entries 47840
TOF Mult
ZDC-West ADC Sum Att


Entries 47840
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 47840
BBC-L-West ADC Sum
BBC-S-West ADC Sum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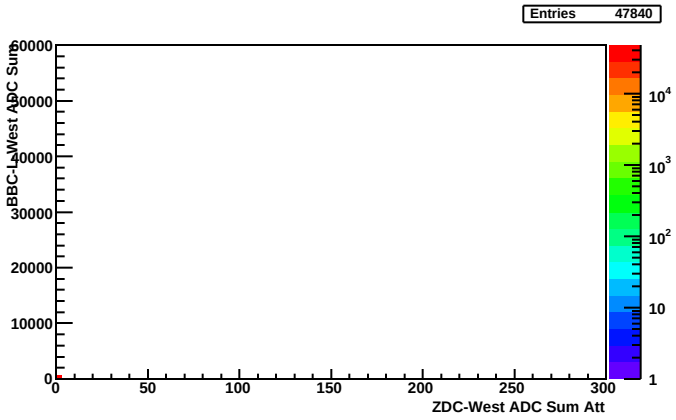
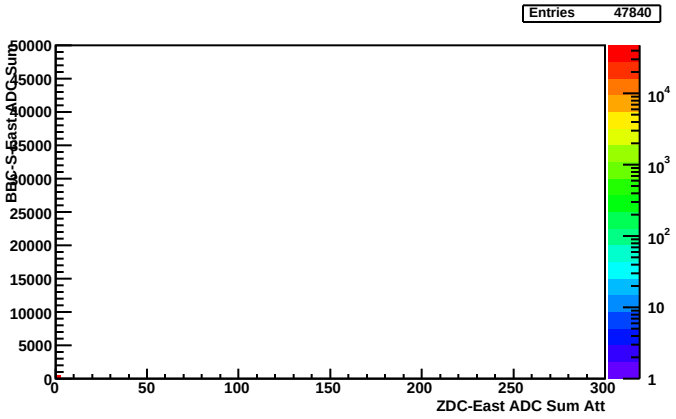
BBC-L-East ADC Sum
ZDC-East ADC Sum Att


Entries 47840
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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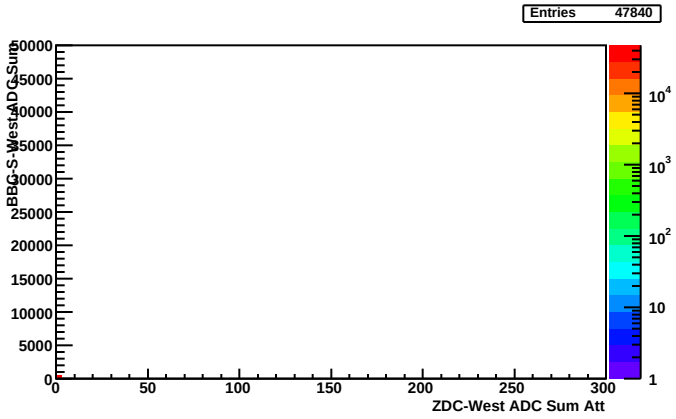
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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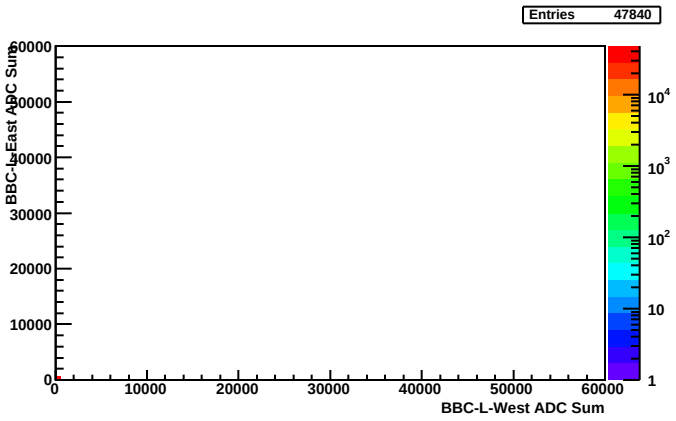
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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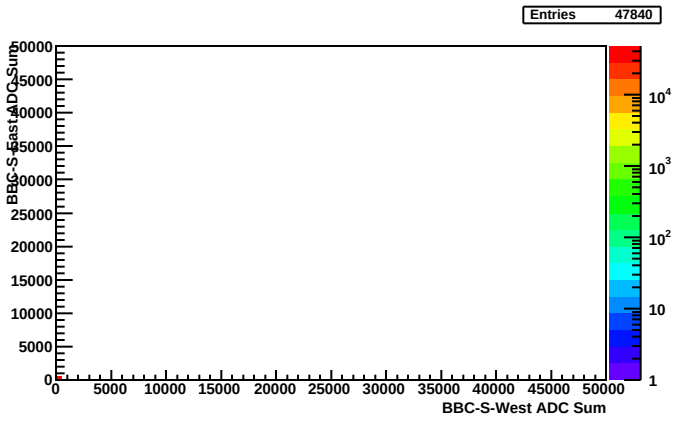
BBC-L-East ADC Sum
BBC-L-West ADC Sum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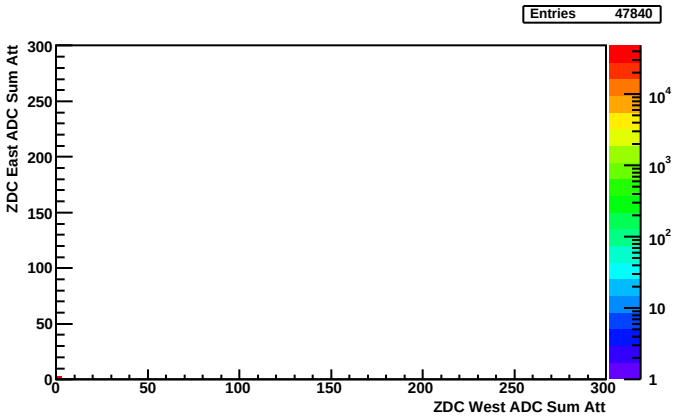
BBC-S-East ADC Sum
BBC-S-West ADC Sum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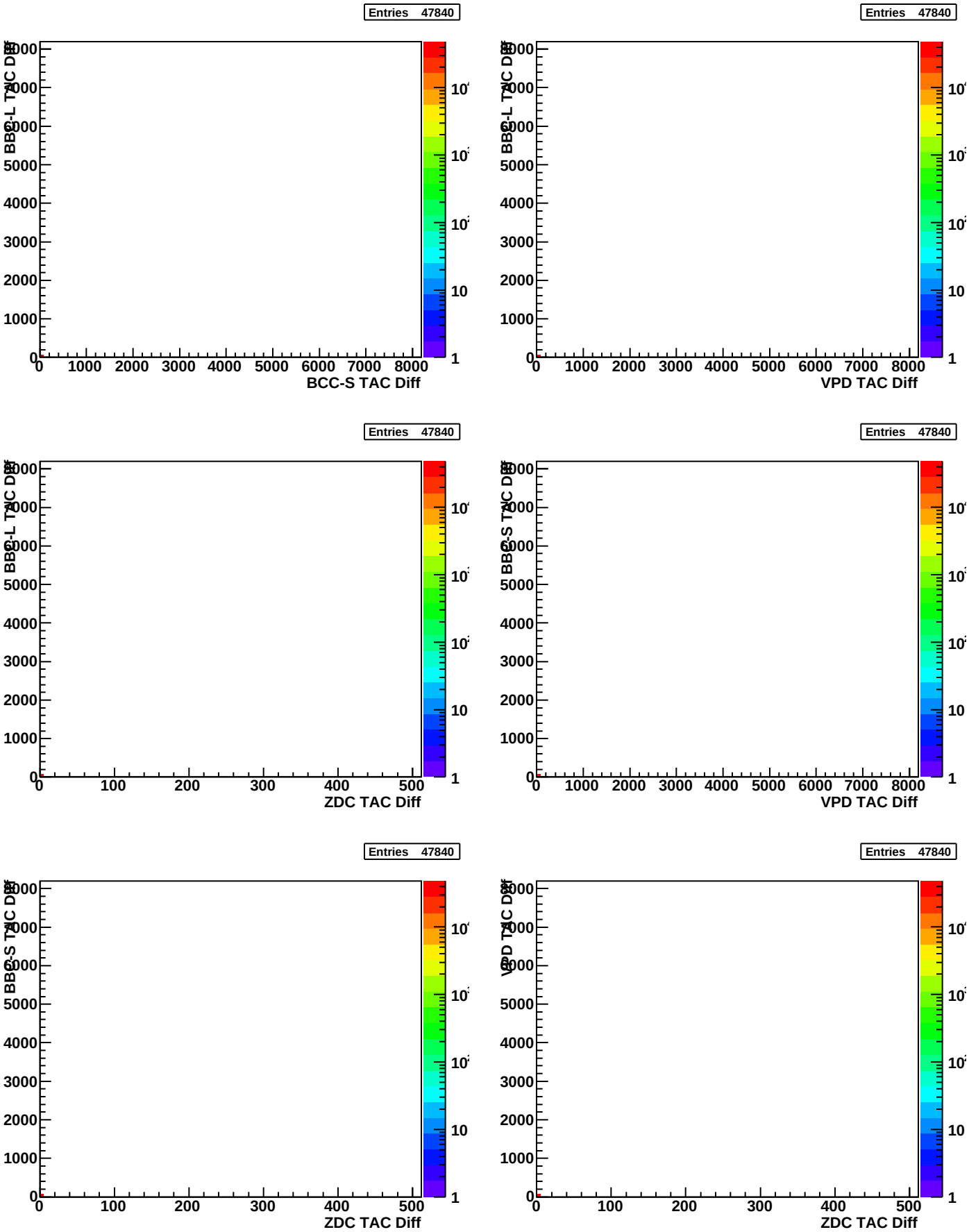
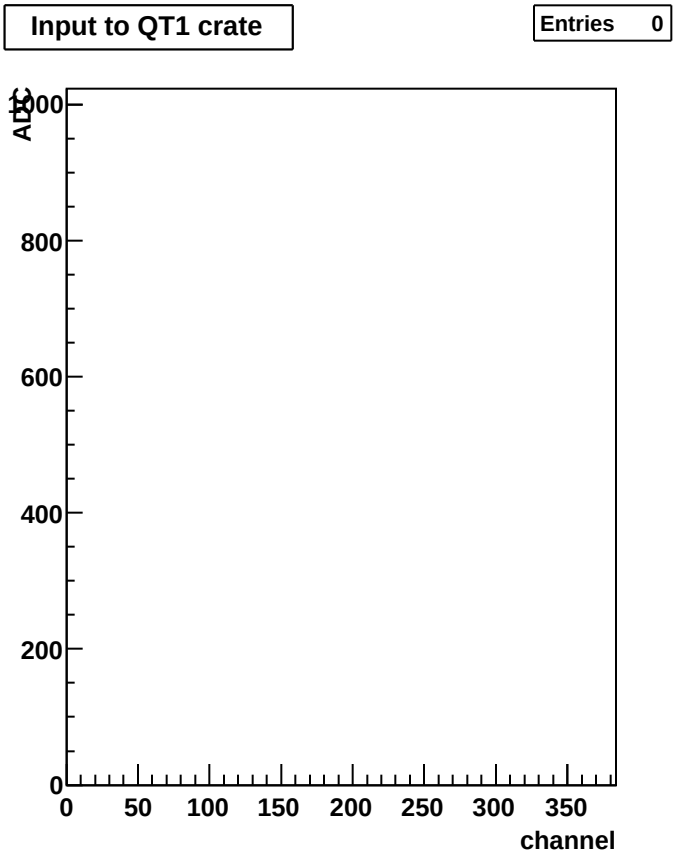
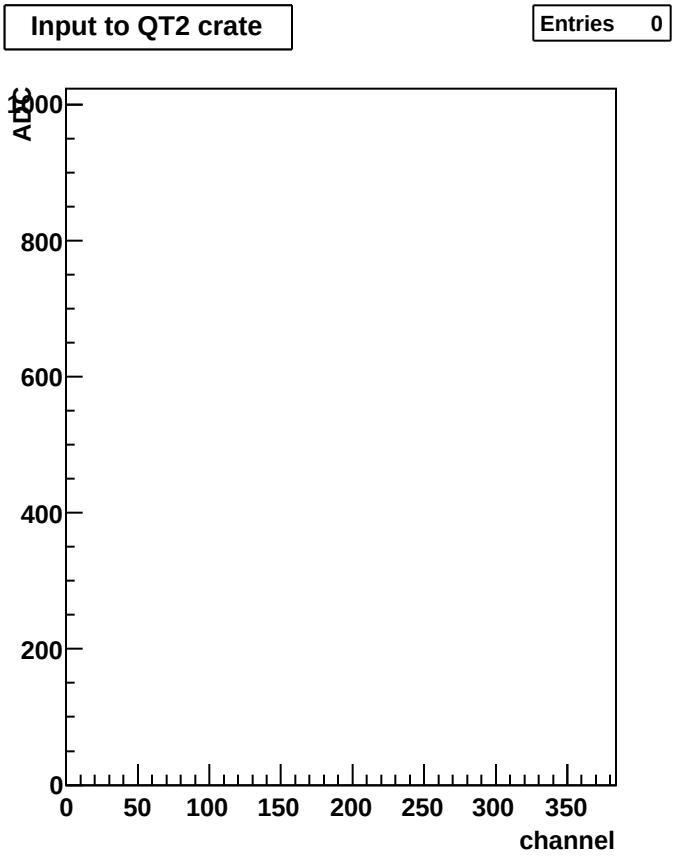
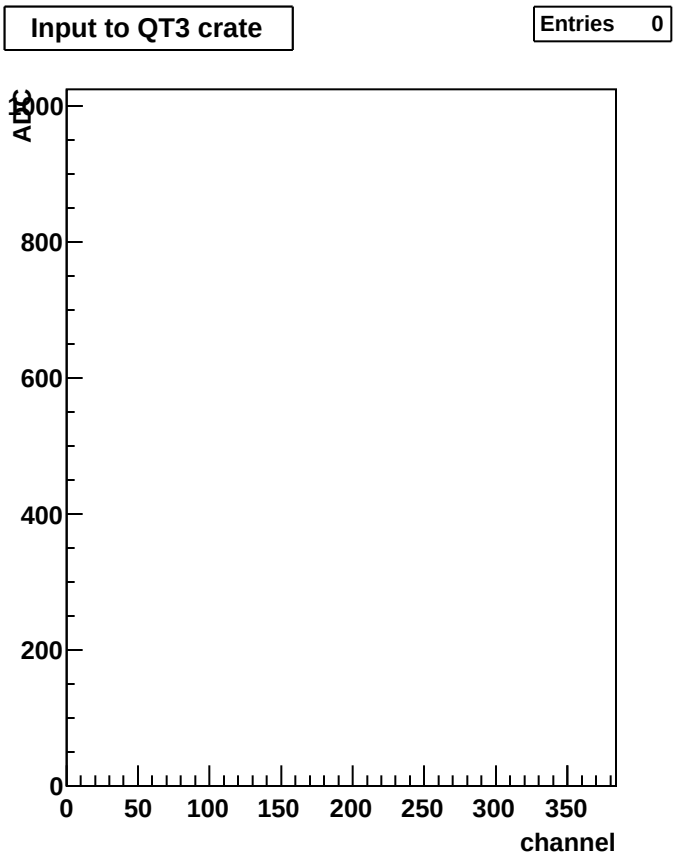
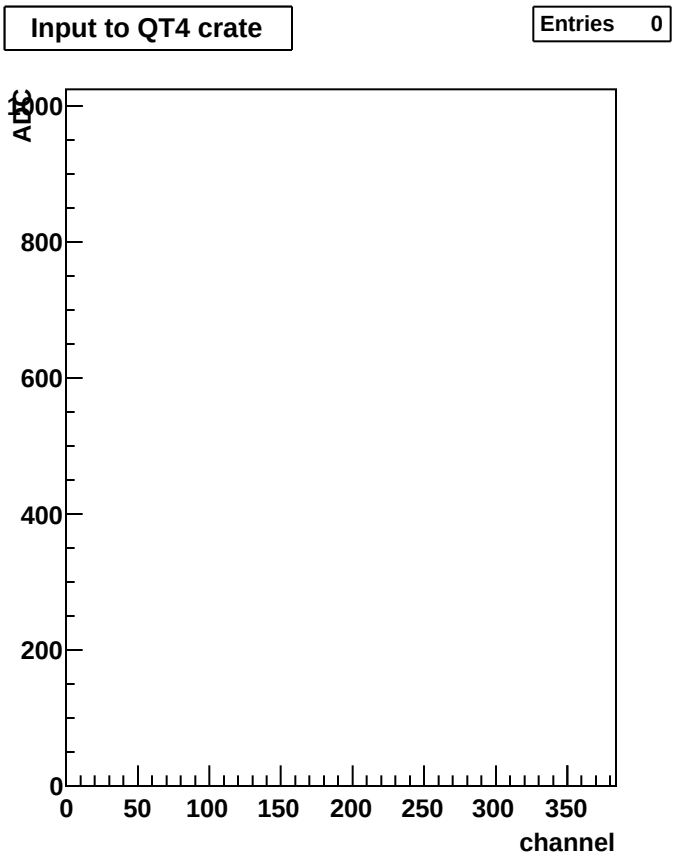
ZDC East ADC Sum Att
ZDC West ADC Sum Att

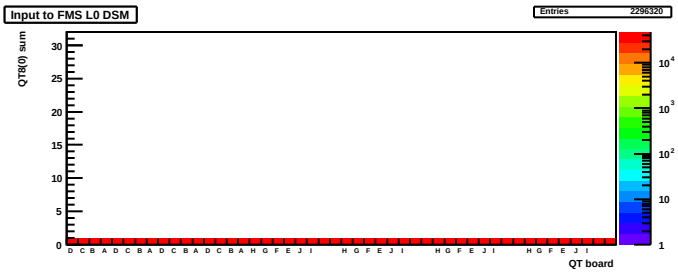

Entries 47840
BBC-L TAC Diff
BCC-S TAC Diff
Entries 47840
BBC-L TAC Diff
VPD TAC Diff
Entries 47840
BBC-L TAC Diff
ZDC TAC Diff
Entries 47840
BBC-S TAC Diff
VPD TAC Diff
Entries 47840
BBC-S TAC Diff
ZDC TAC Diff
Entries 47840
VPD TAC Diff
ZDC TAC Diff

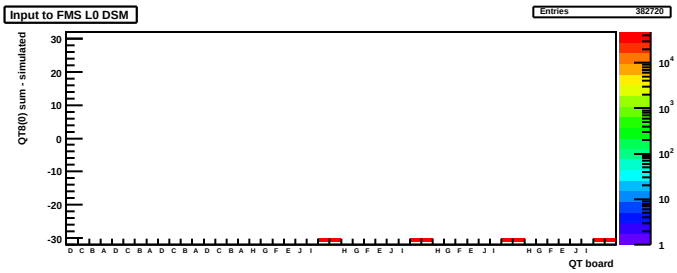

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

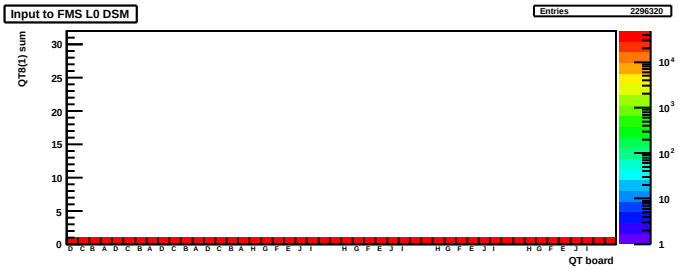

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

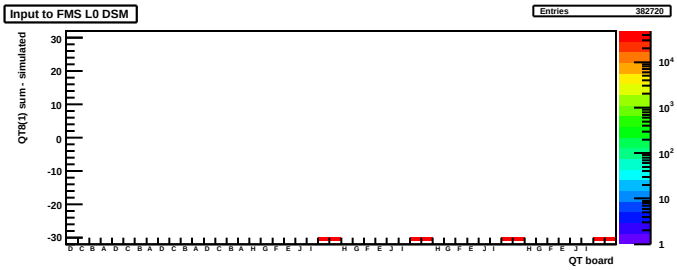

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

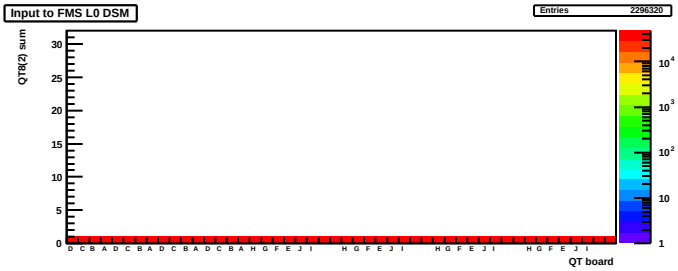

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

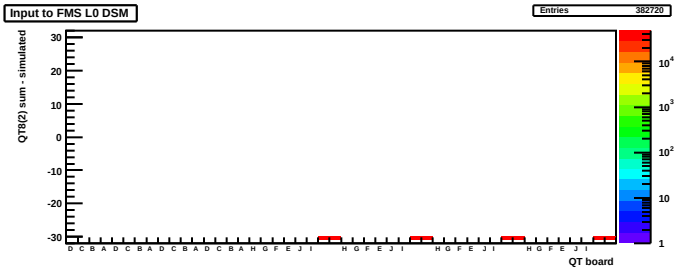

Input to FMS L0 DSM
Entries 2296320
QT8(0) sum
QT board

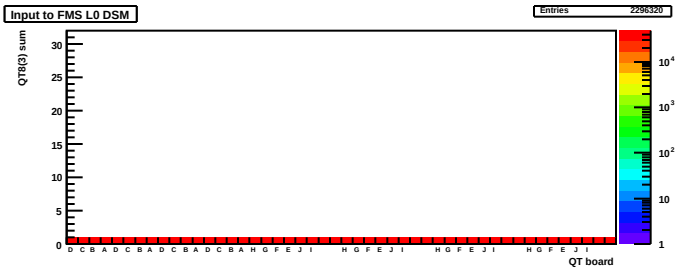

Input to FMS L0 DSM
Entries 382720
QT8(0) sum - simulated
QT board

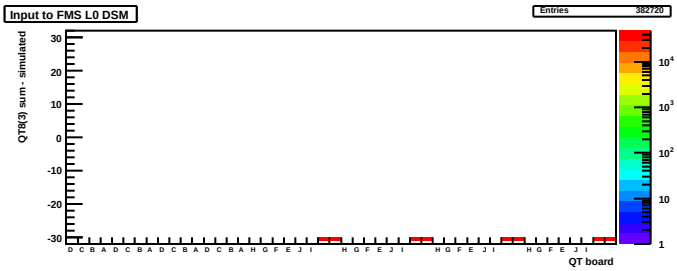

Input to FMS L0 DSM
Entries 2296320
QT8(1) sum
QT board

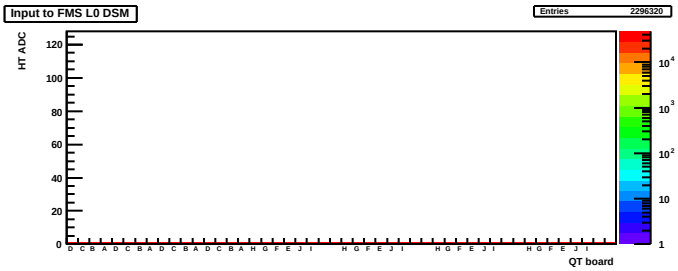

Input to FMS L0 DSM
Entries 382720
QT8(1) sum - simulated
QT board

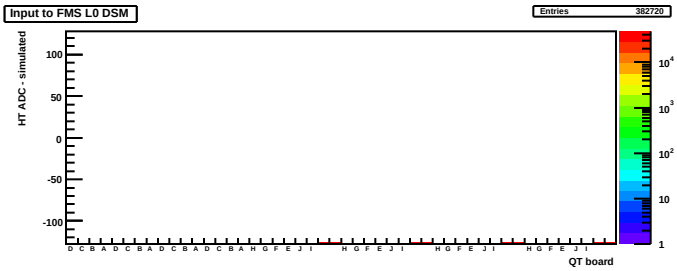

Input to FMS L0 DSM
Entries 2296320
QT8(2) sum
QT board

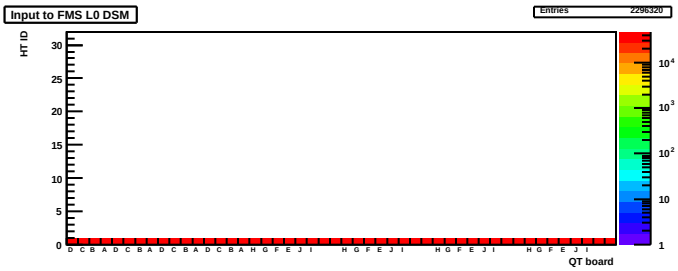

Input to FMS L0 DSM
Entries 382720
QT8(2) sum - simulated
QT board

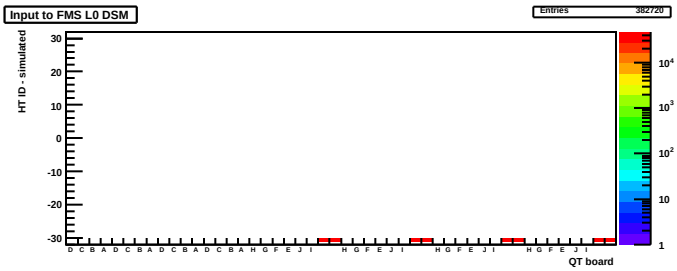

Input to FMS L0 DSM
Entries 2296320
QT8(3) sum
QT board

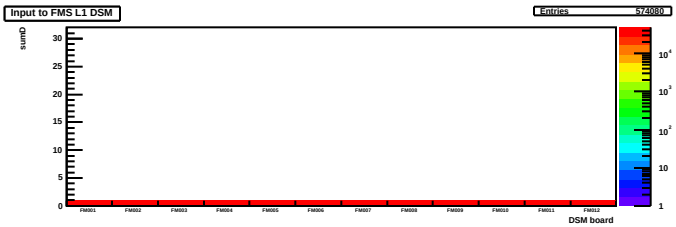

Input to FMS L0 DSM
Entries 382720
QT8(3) sum - simulated
QT board

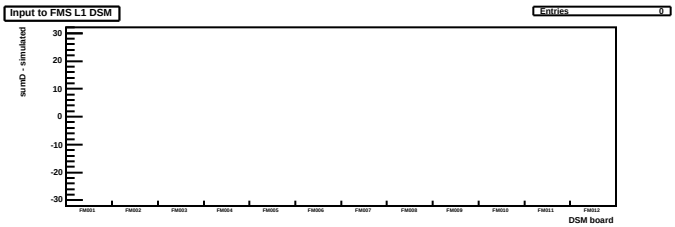

Input to FMS L0 DSM
Entries 2296320
HT ADC
QT board

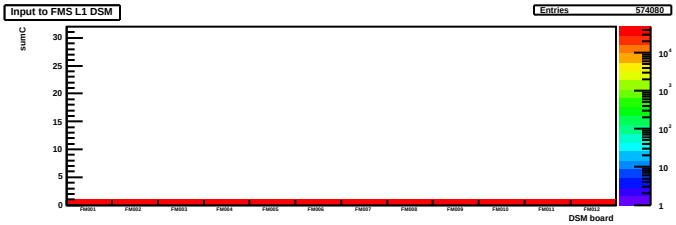

Input to FMS L0 DSM
Entries 382720
HT ADC - simulated
QT board

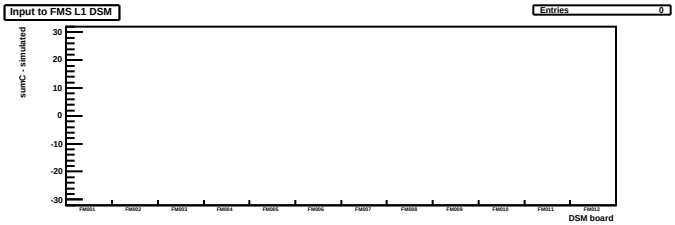

Input to FMS L0 DSM
Entries 2296320
HT ID
QT board

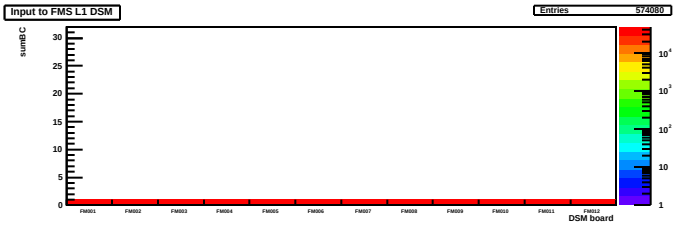

Input to FMS L0 DSM
Entries 382720
HT ID - simulated
QT board

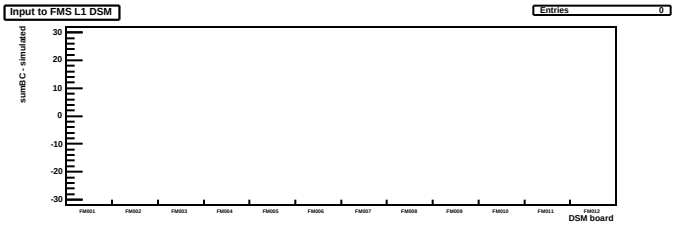

Input to FMS L1 DSM
Entries 574080
sumD
DSM board

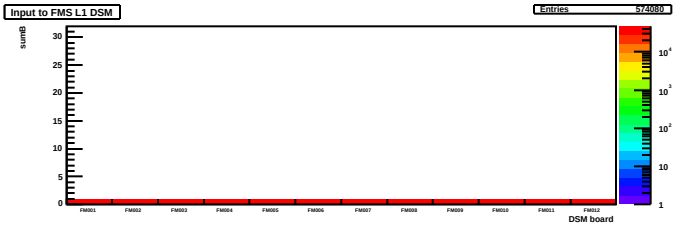

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

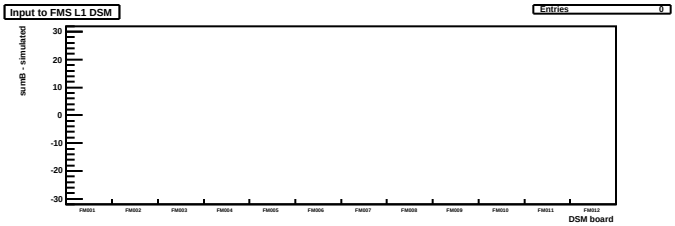

Input to FMS L1 DSM
Entries 574080
sumC
DSM board

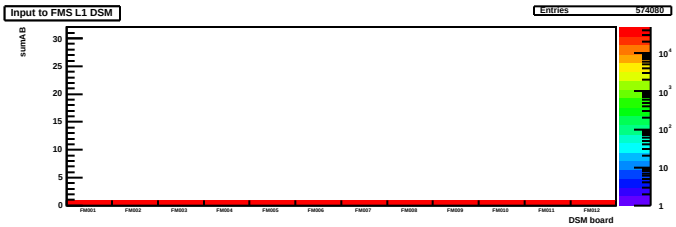

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

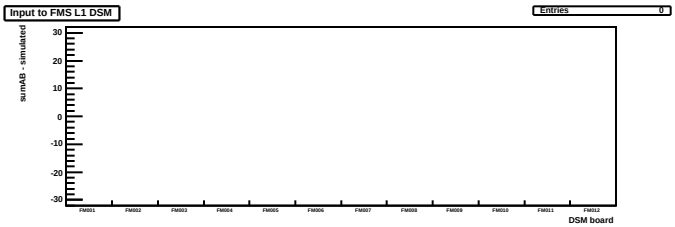

Input to FMS L1 DSM
Entries 574080
sumBC
DSM board

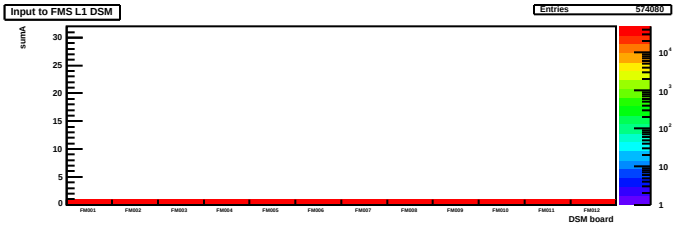

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

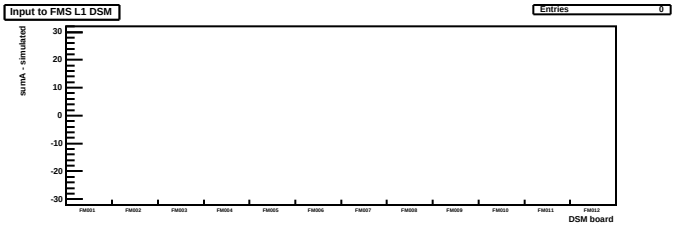

Input to FMS L1 DSM
Entries 574080
sumB
DSM board

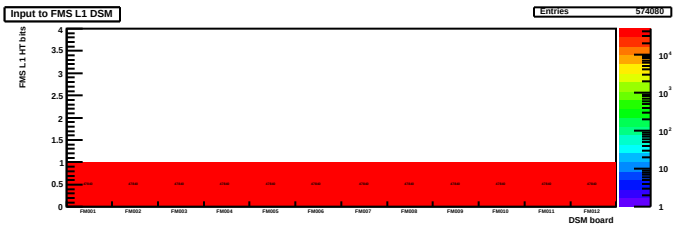

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

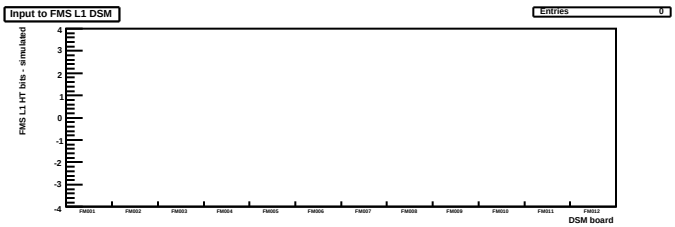

Input to FMS L1 DSM
Entries 574080
sumAB
DSM board

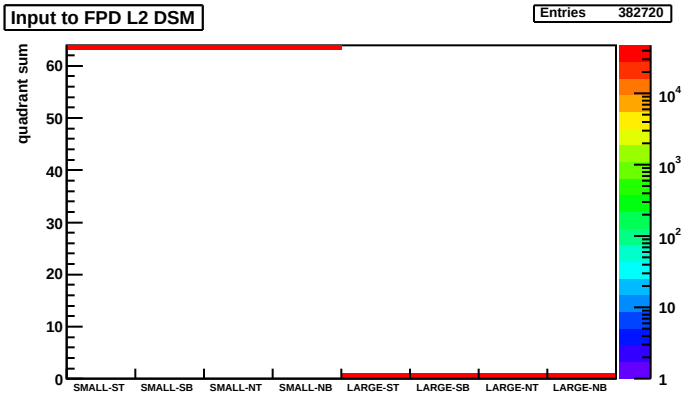

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

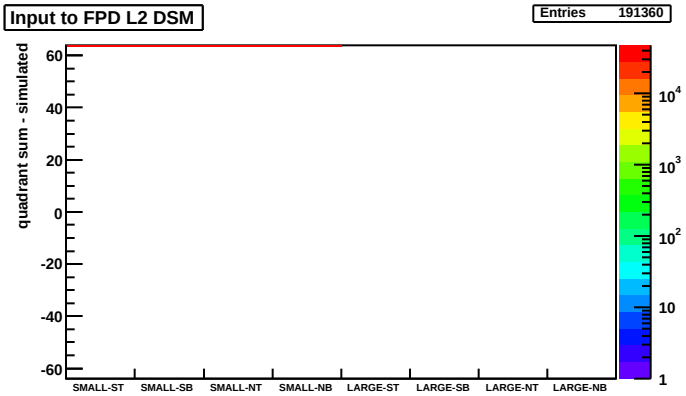

Input to FMS L1 DSM
Entries 574080
sumA
DSM board

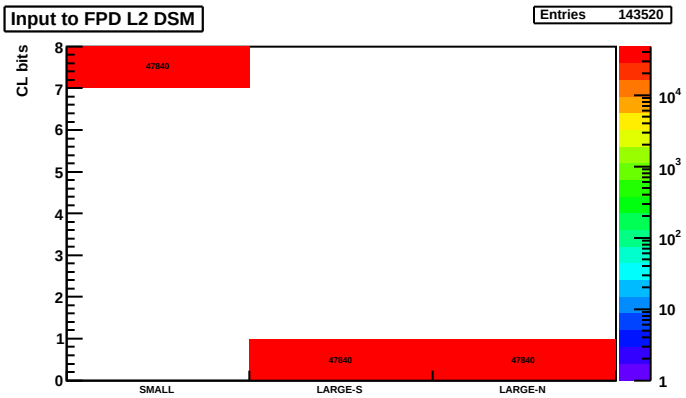

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

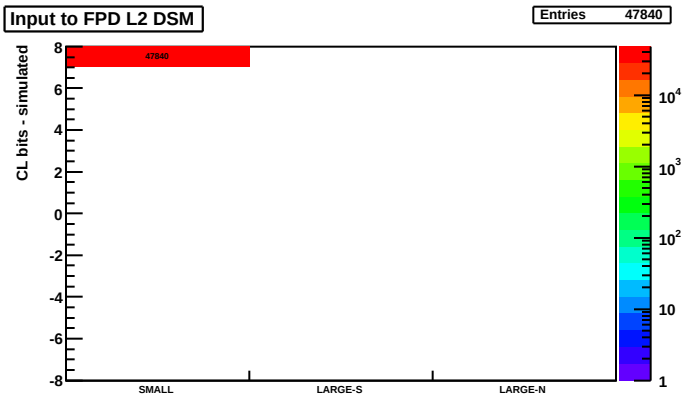

Input to FMS L1 DSM
Entries 574080
FMS L1 HT bits
DSM board

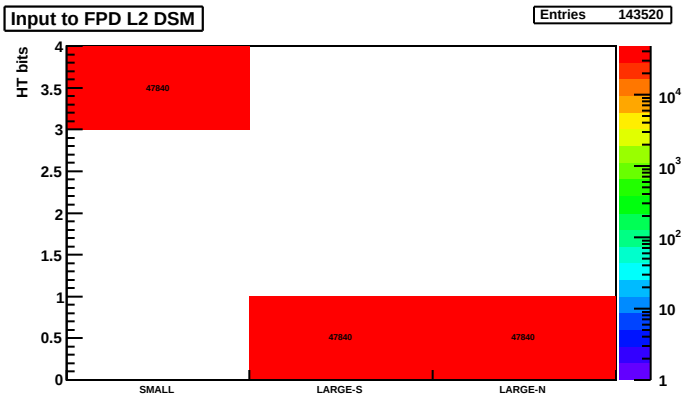

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

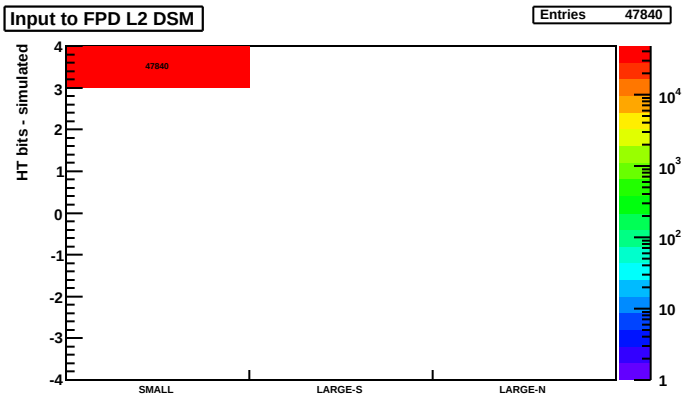

Input to FPD L2 DSM
Entries 382720
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

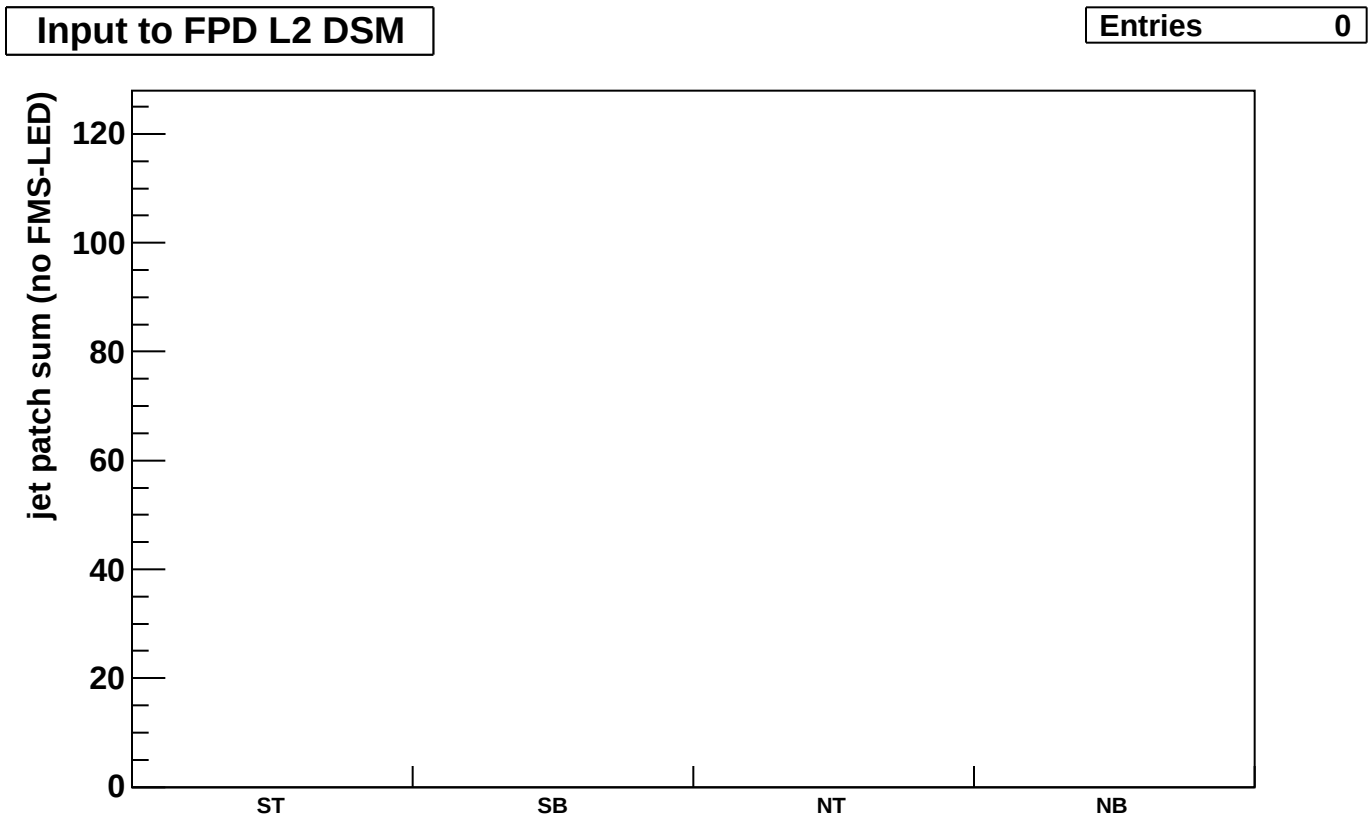

Input to FPD L2 DSM
Entries 191360
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

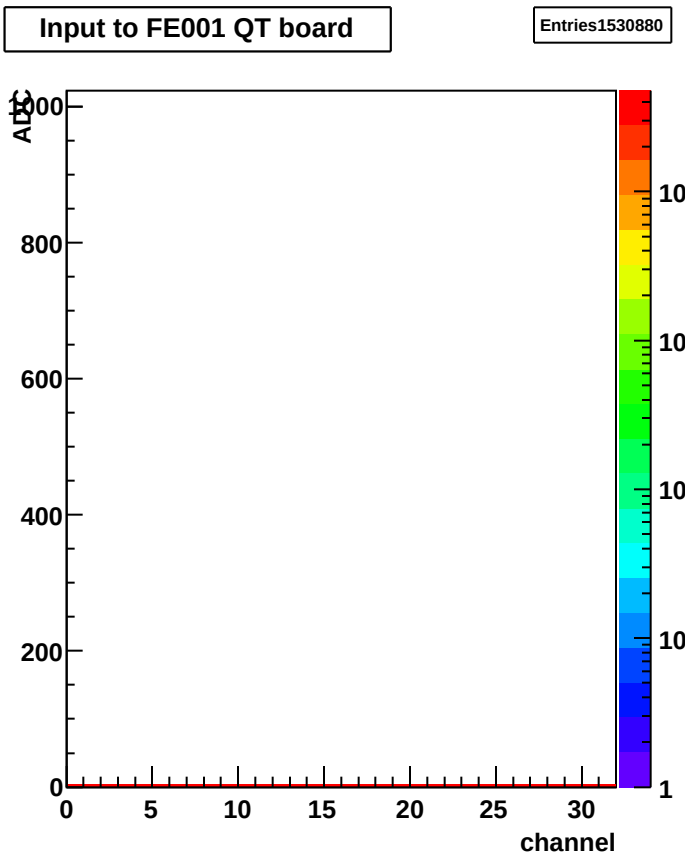

Input to FPD L2 DSM
Entries 143520
CL bits
47840
47840
47840
SMALL
LARGE-S
LARGE-N

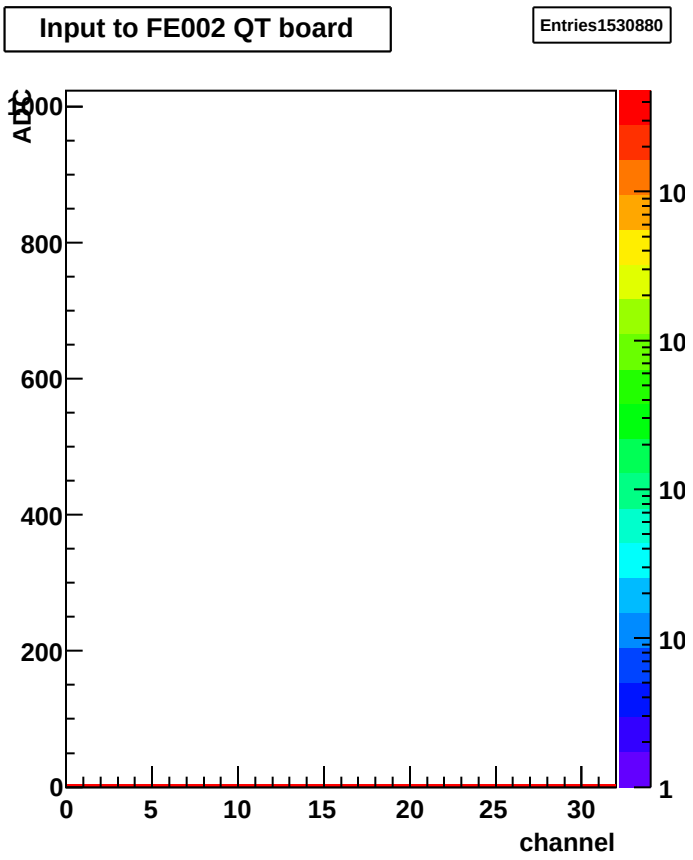

Input to FPD L2 DSM
Entries 47840
CL bits - simulated
47840
SMALL
LARGE-S
LARGE-N

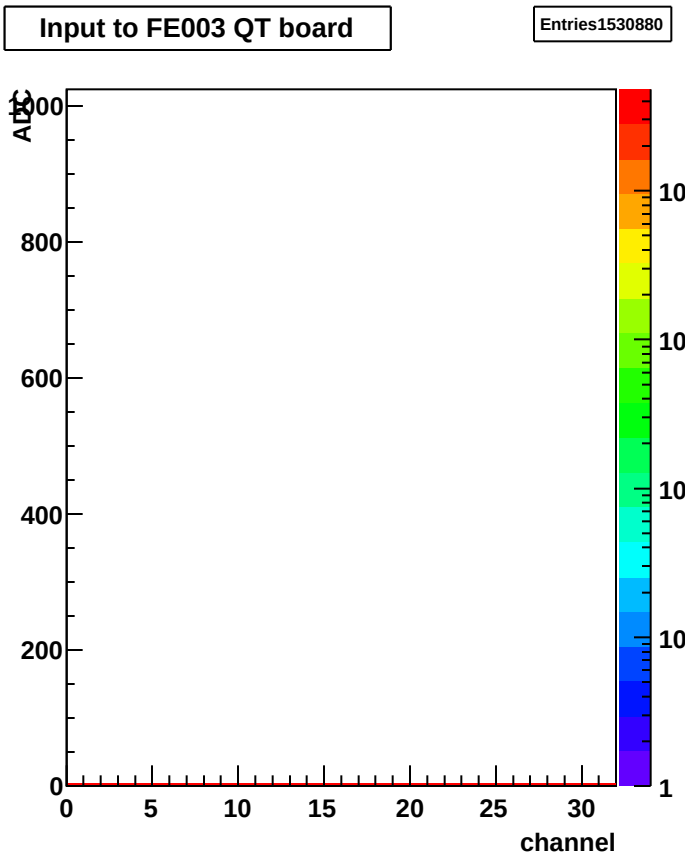

Input to FPD L2 DSM
Entries 143520
HT bits
47840
47840
47840
SMALL
LARGE-S
LARGE-N

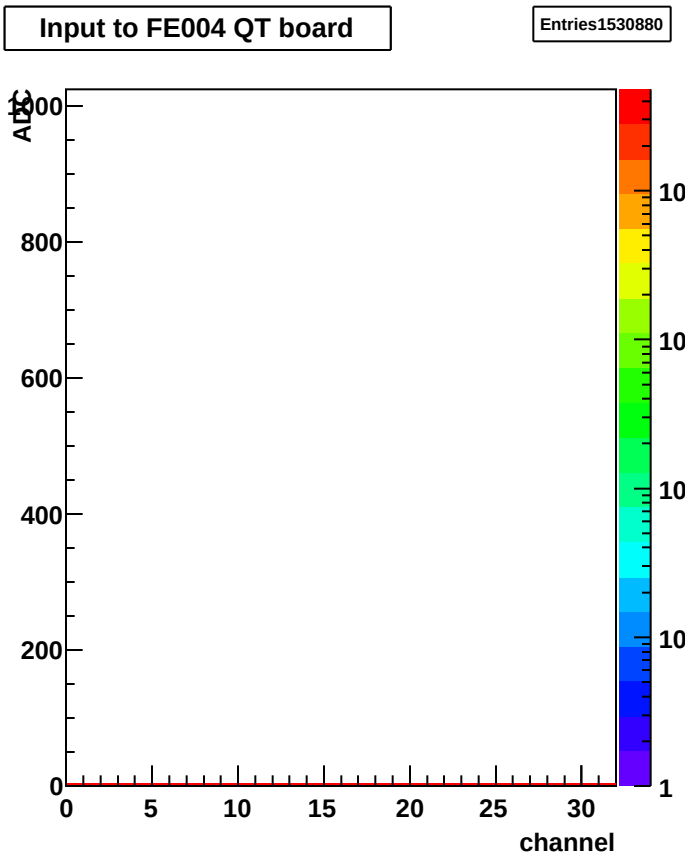

Input to FPD L2 DSM
Entries 47840
HT bits - simulated
47840
SMALL
LARGE-S
LARGE-N


Input to FPD L2 DSM
Entries 0
jet patch sum (no FMS-LED)
120
100
80
60
40
20
0
ST
SB
NT
NB

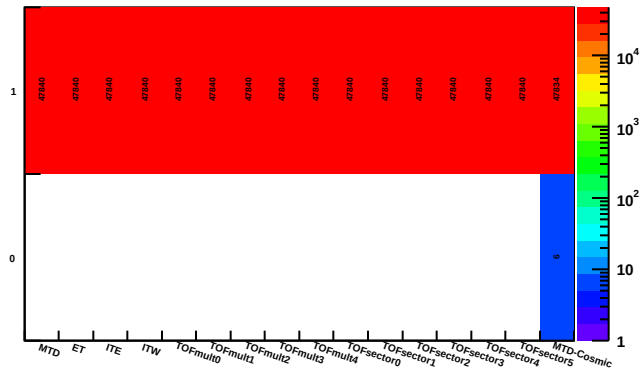

Input to FE001 QT board
Entries1530880
ADC
channel


Input to FE002 QT board
Entries1530880
ADC
channel

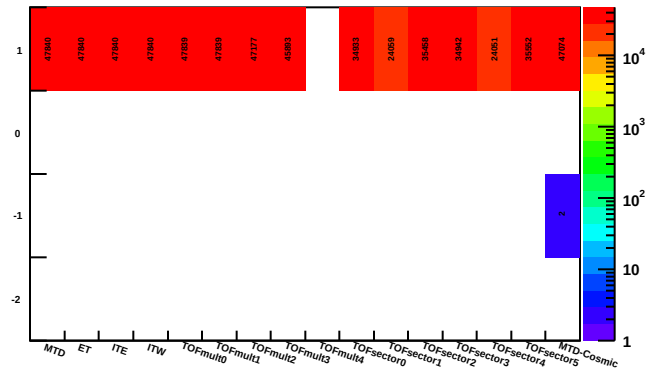

Input to FE003 QT board
Entries1530880
ADC
channel


Input to FE004 QT board
Entries1530880
ADC
channel

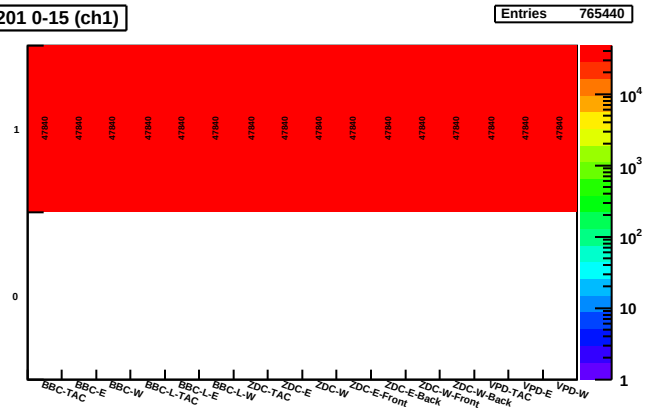
TF201 0-15 (ch0)



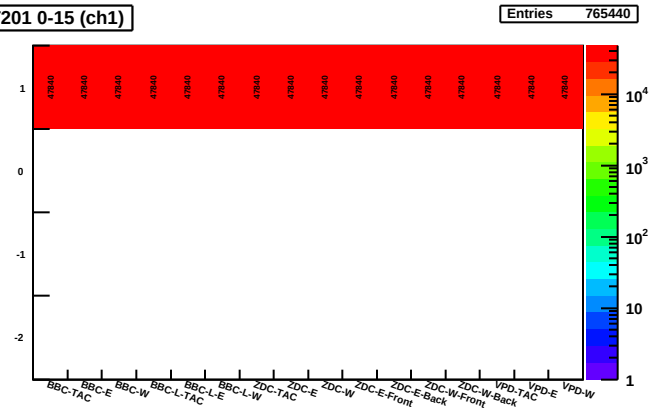
TF201 0-15 (ch0)



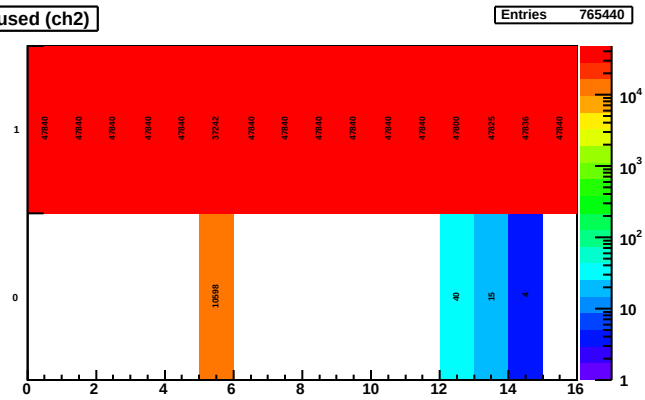
VT201 0-15 (ch1)

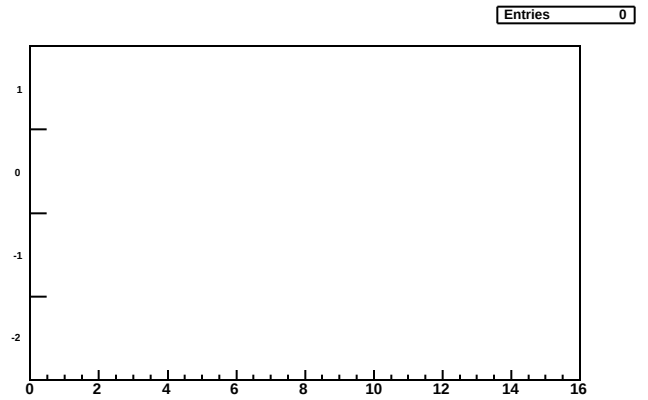


VT201 0-15 (ch1)

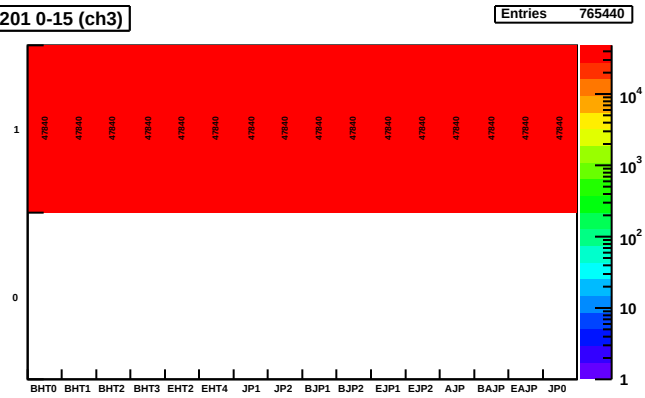


Unused (ch2)

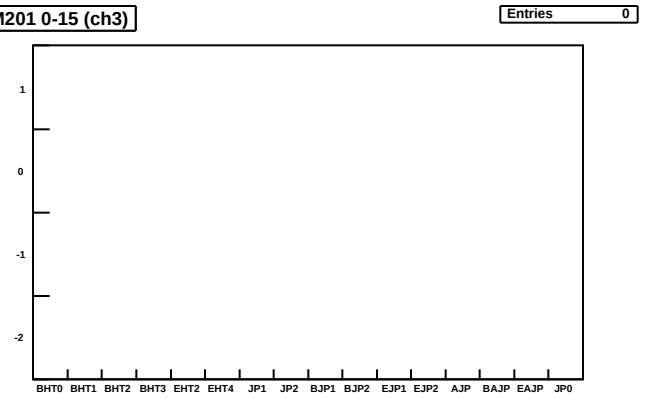




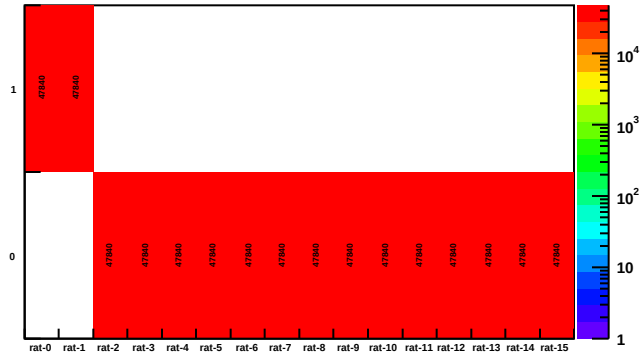
EM201 0-15 (ch3)

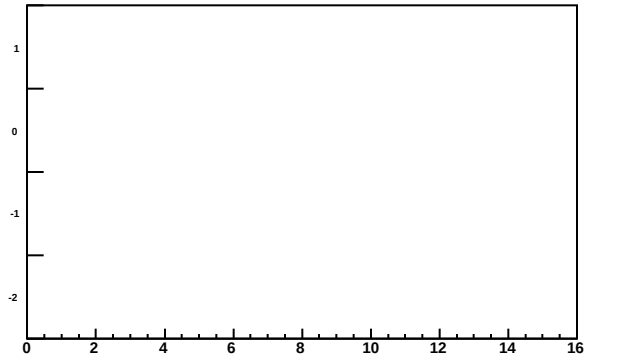


EM201 0-15 (ch3)

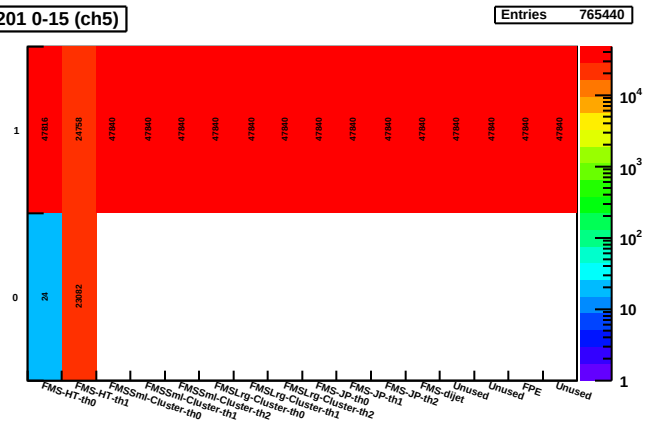


RAT board (ch4)

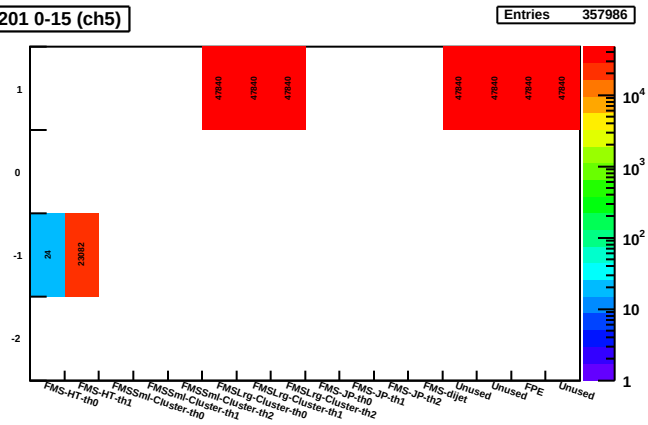




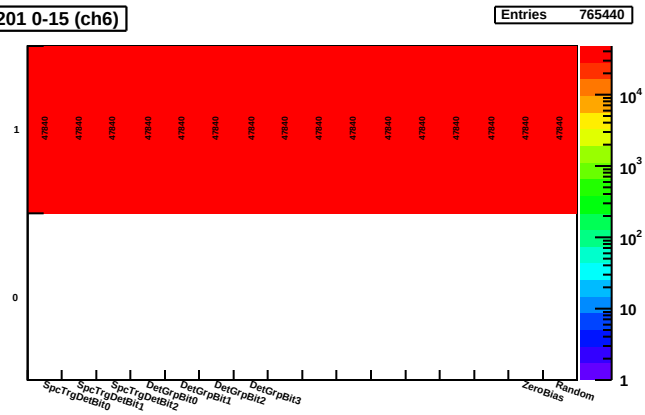
FP201 0-15 (ch5)

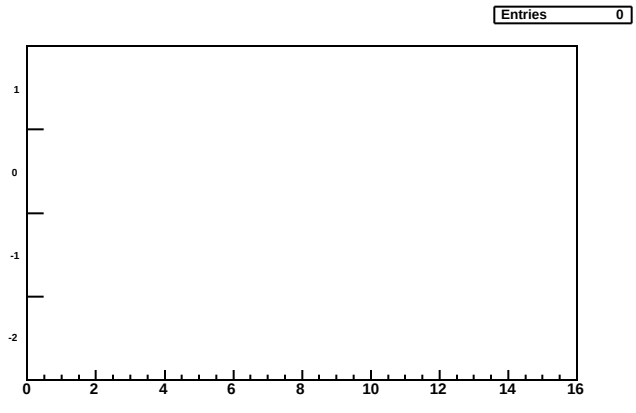
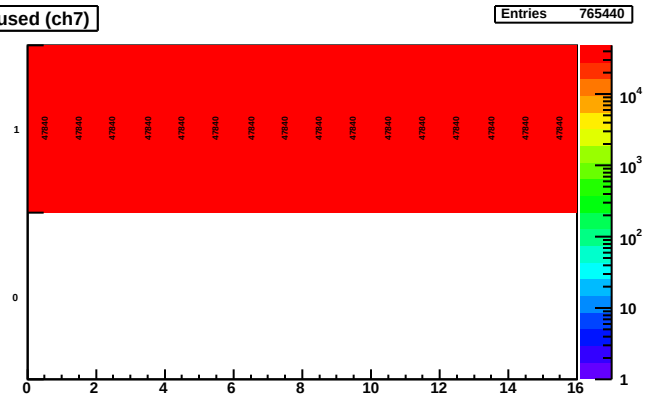
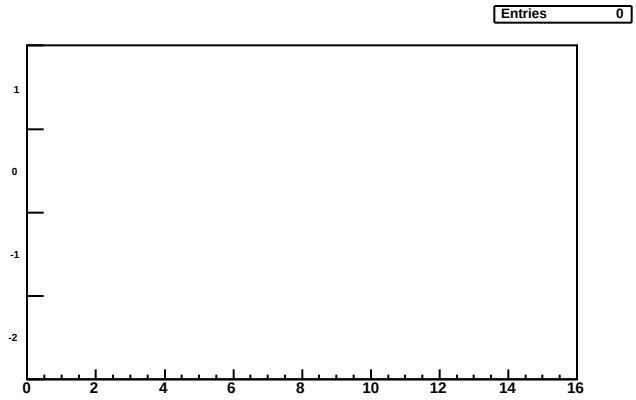


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)