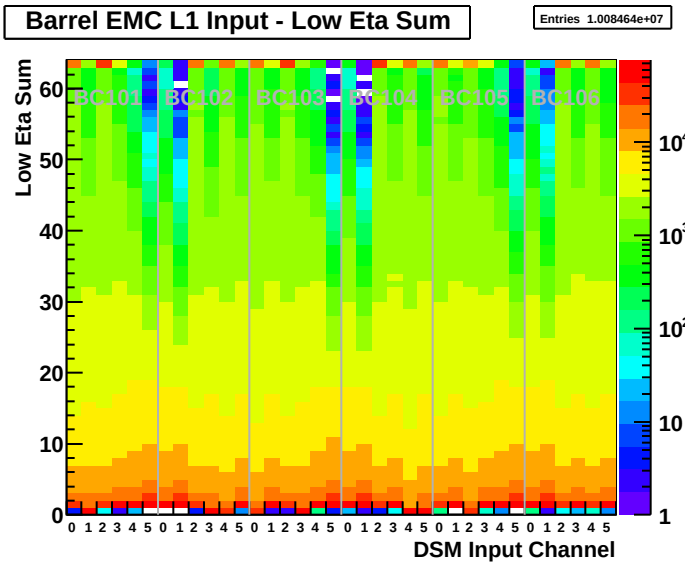
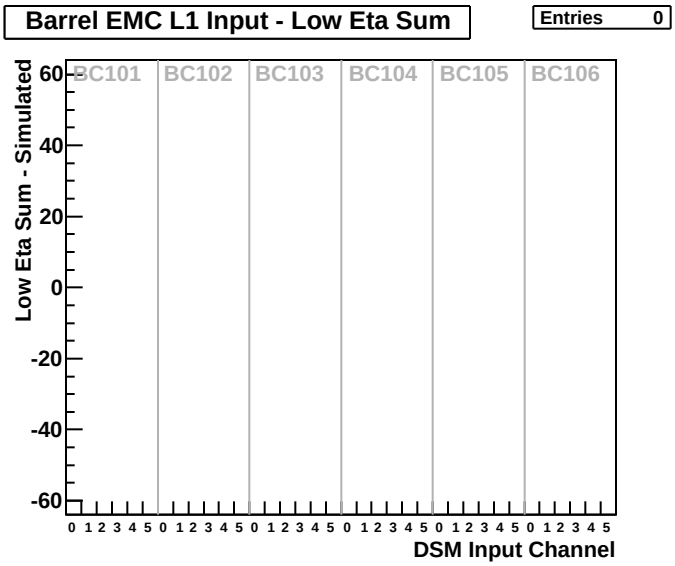
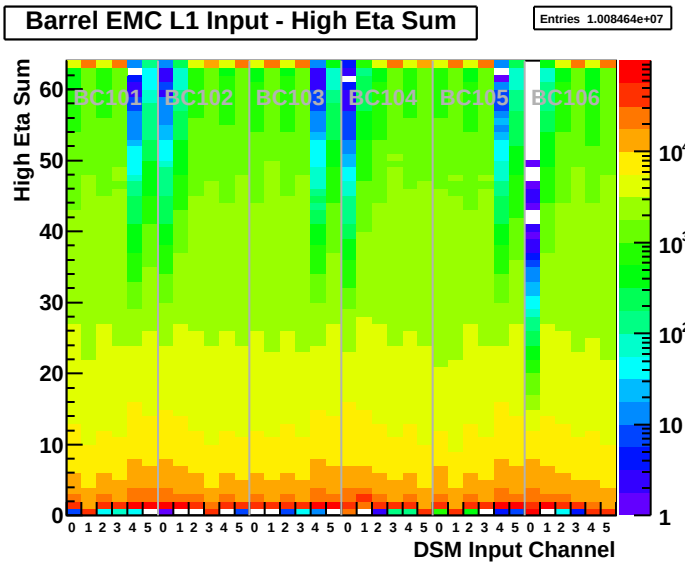
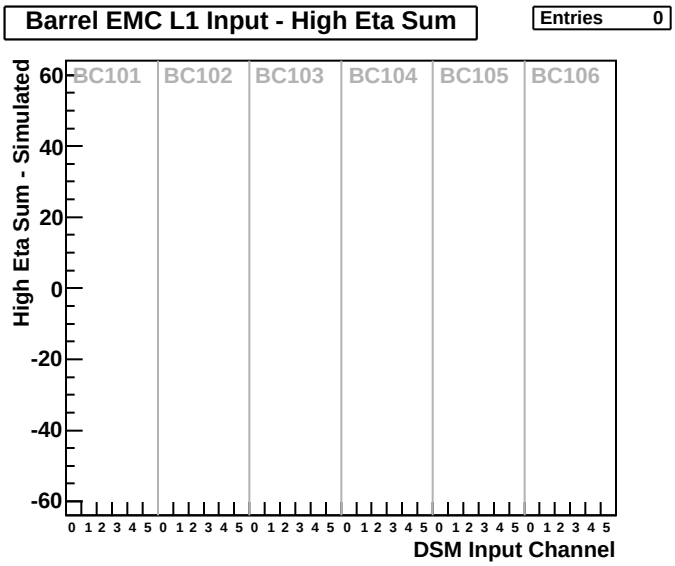
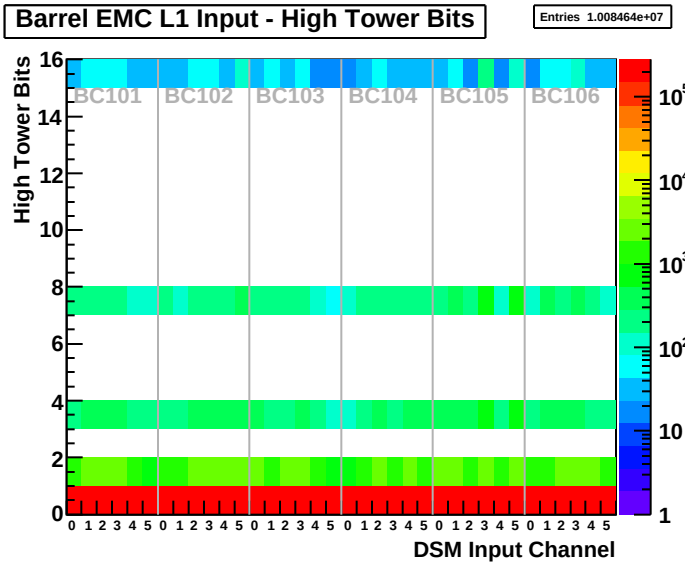
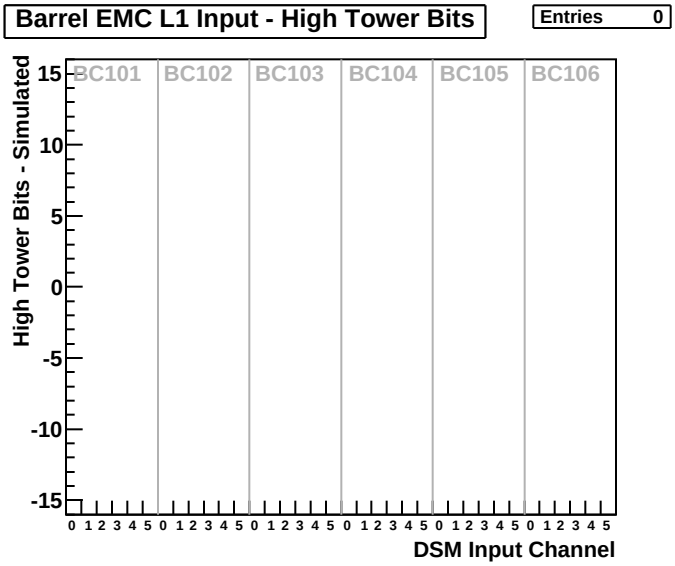

Barrel EMC L1 Input - Low Eta Sum
Entries 1.008464e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

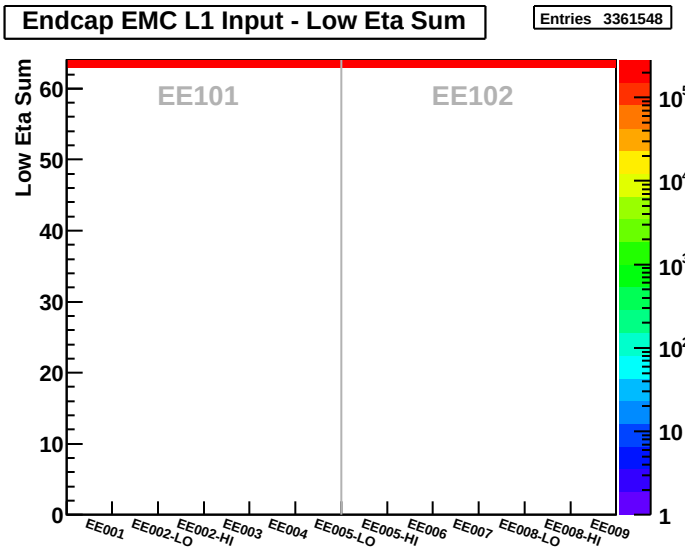

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

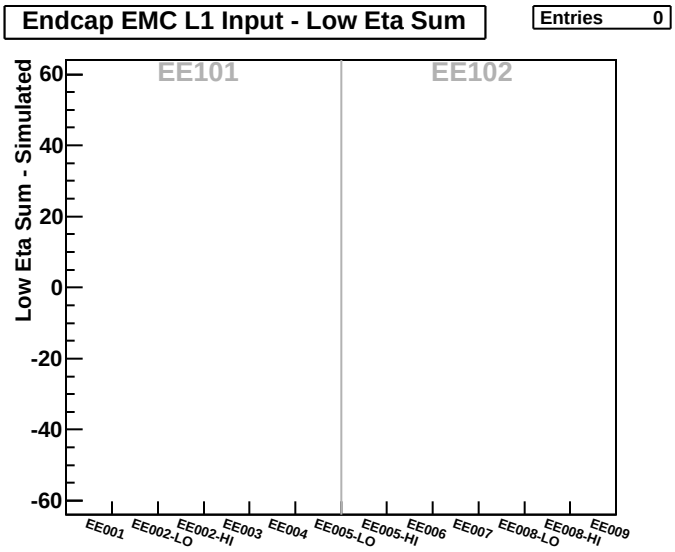

Barrel EMC L1 Input - High Eta Sum
Entries 1.008464e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

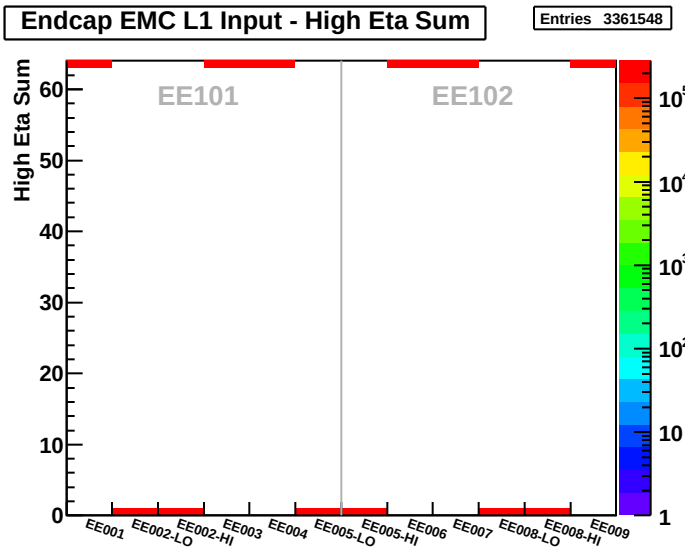

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

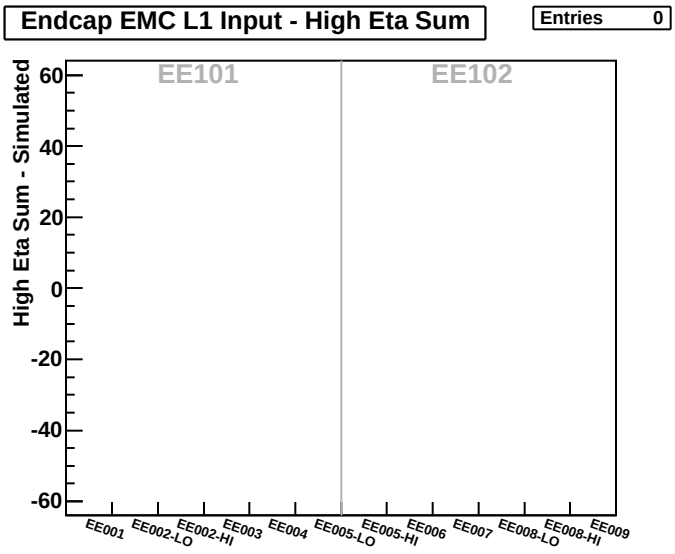

Barrel EMC L1 Input - High Tower Bits
Entries 1.008464e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

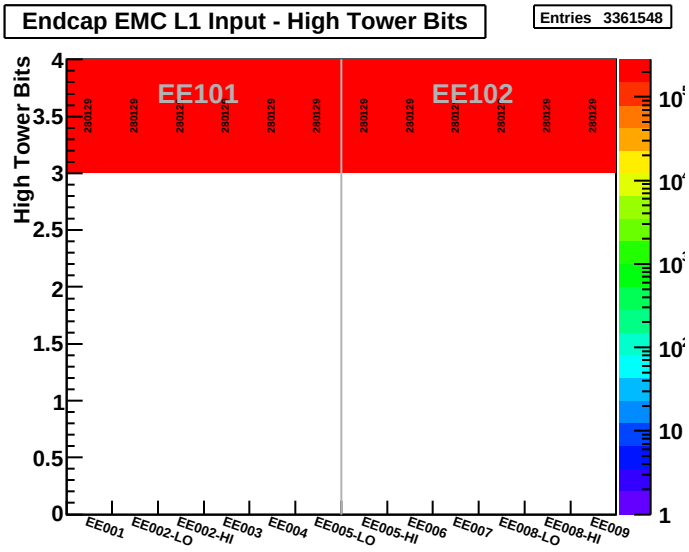

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

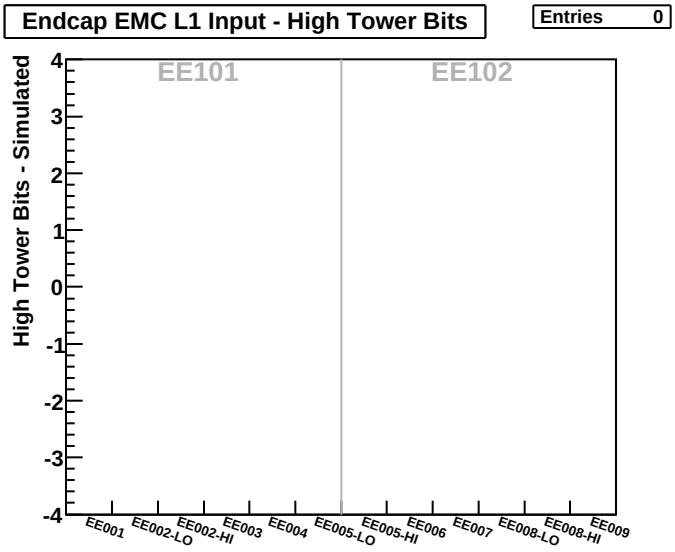

Endcap EMC L1 Input - Low Eta Sum
Entries 3361548
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

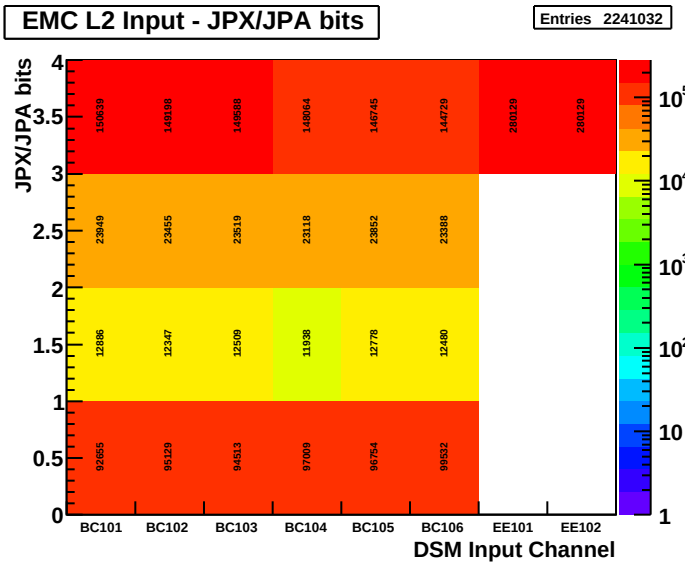

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

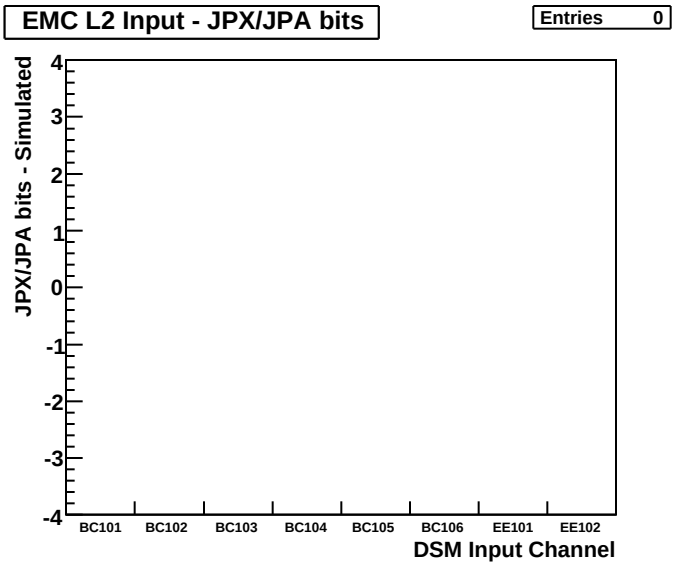

Endcap EMC L1 Input - High Eta Sum
Entries 3361548
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

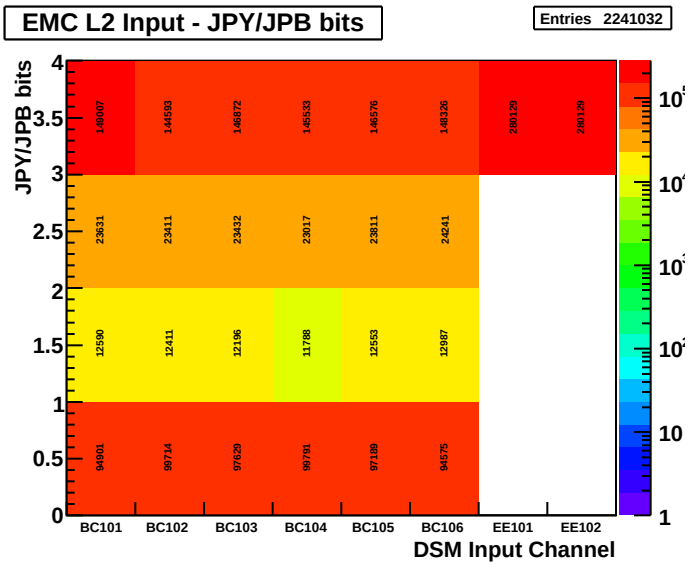

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

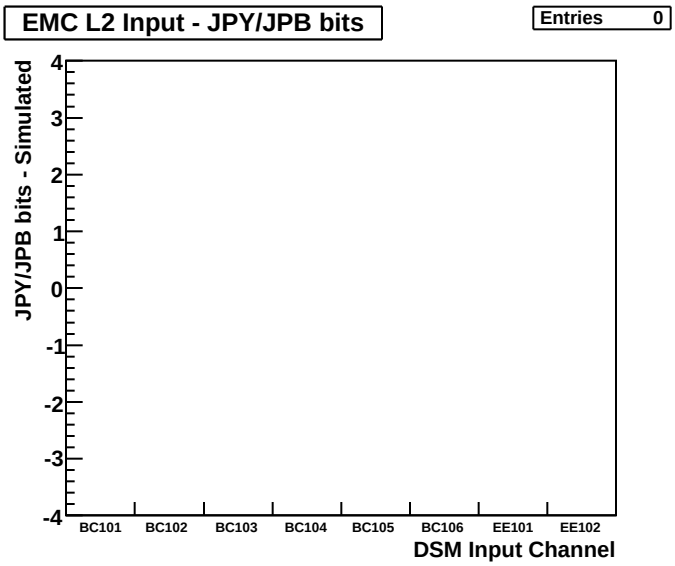

Endcap EMC L1 Input - High Tower Bits
Entries 3361548
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

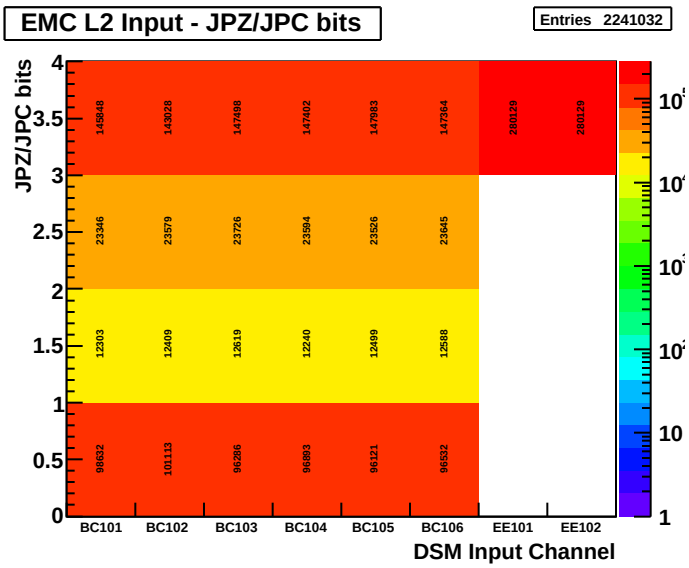

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

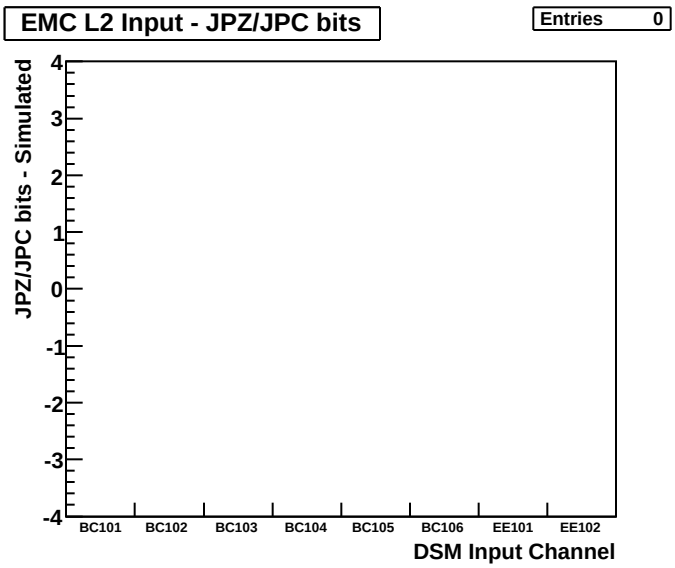

EMC L2 Input - JPX/JPA bits
Entries 2241032
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
150639 149198 149588 149064 146745 144729 280129 280129
23949 23455 23519 23118 23852 23388
12886 12347 12509 11938 12778 12480
92655 95129 94513 97009 96754 99532

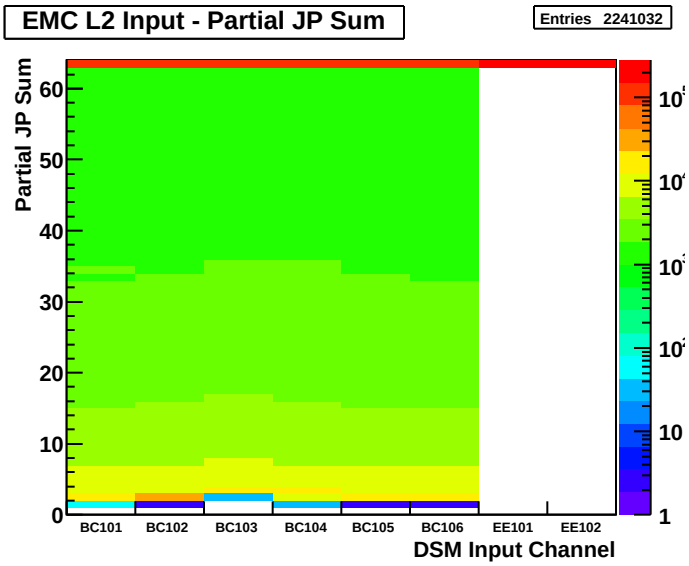

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

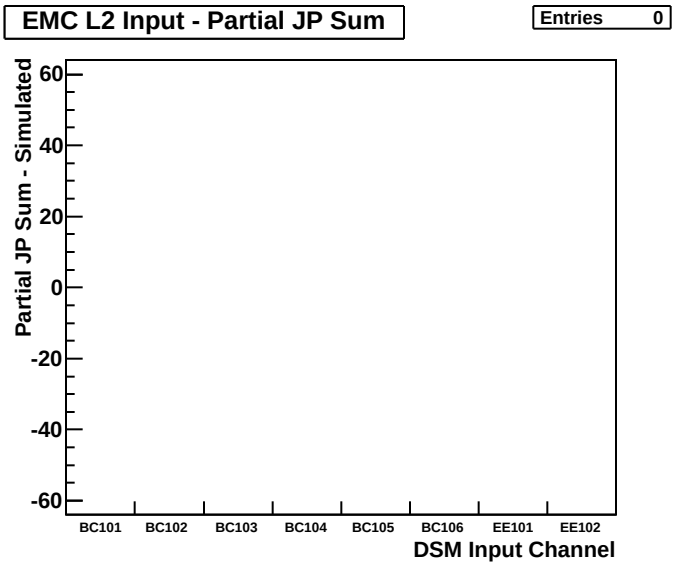

EMC L2 Input - JPY/JPB bits
Entries 2241032
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
148007 144583 146872 145533 146576 148326 280129 280129
23631 23411 23432 23017 23811 24241
12590 12411 12196 11788 12553 12987
94901 99714 97629 99791 97189 94575

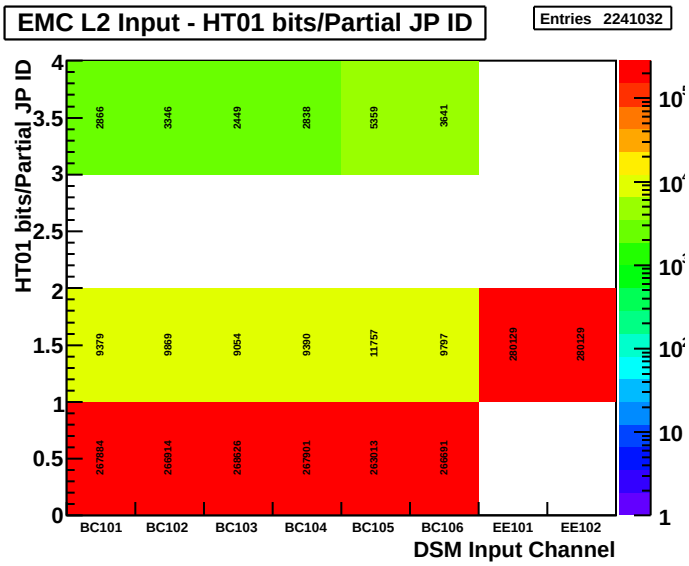

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

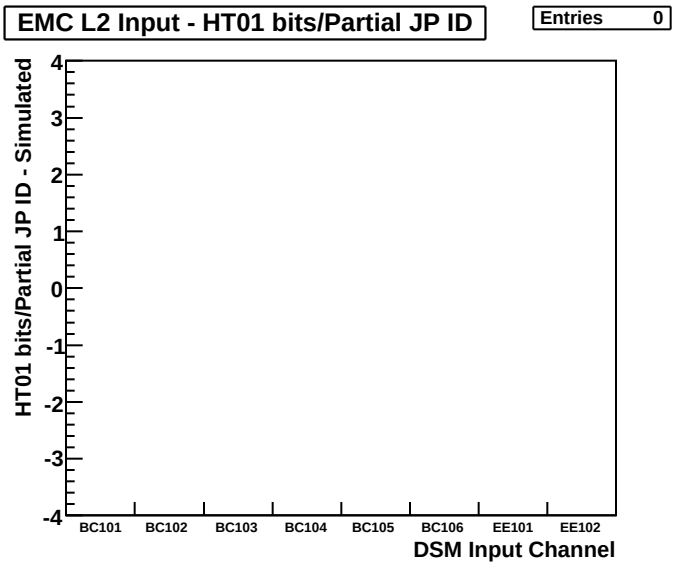

EMC L2 Input - JPZ/JPC bits
Entries 2241032
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
145848 143028 147498 147402 147983 147364 280129 280129
23346 23579 23726 23594 23526 23645
12303 12409 12619 12240 12499 12588
98632 101113 96286 96893 96121 96532

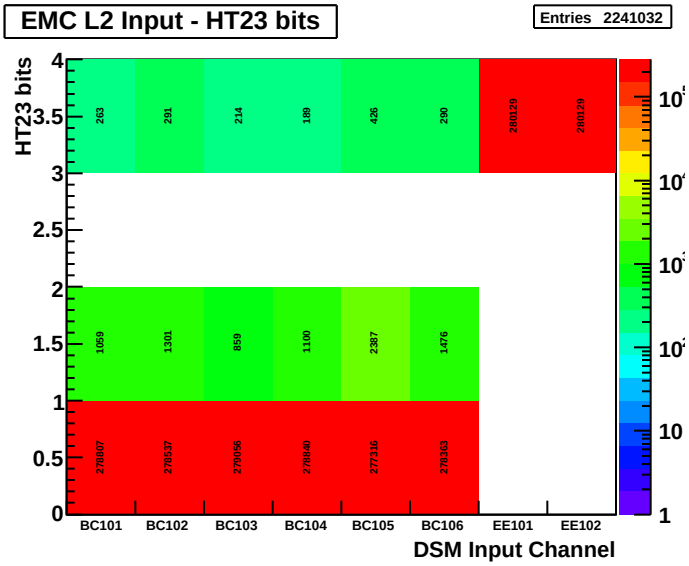

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

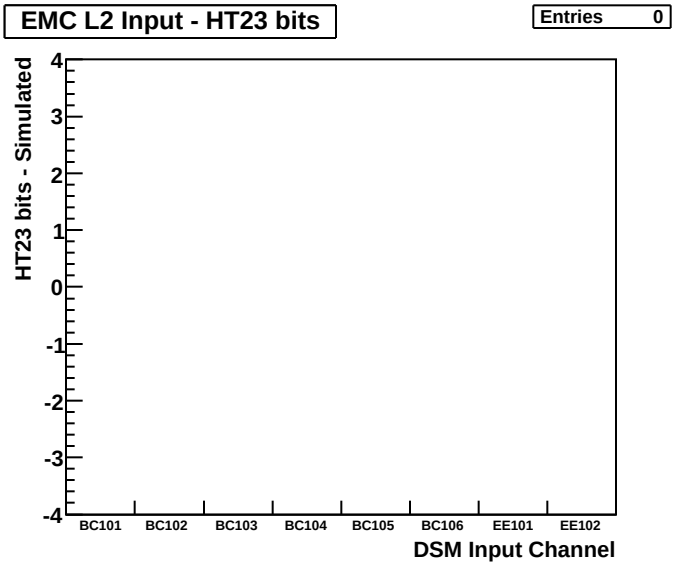

EMC L2 Input - Partial JP Sum
Entries 2241032
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

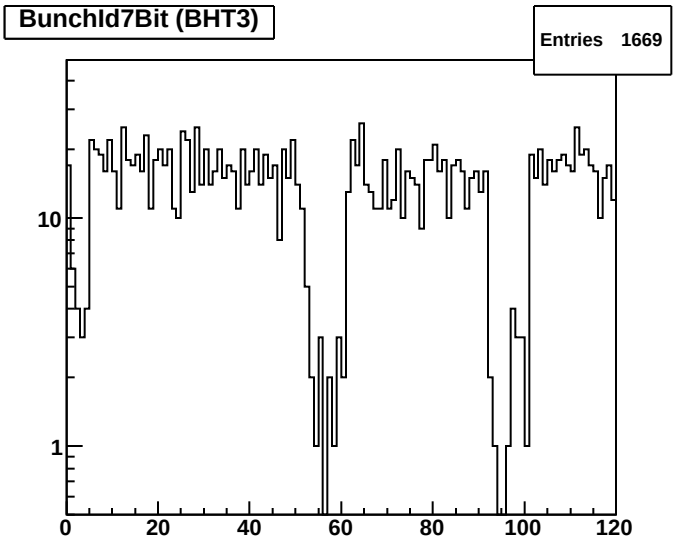

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

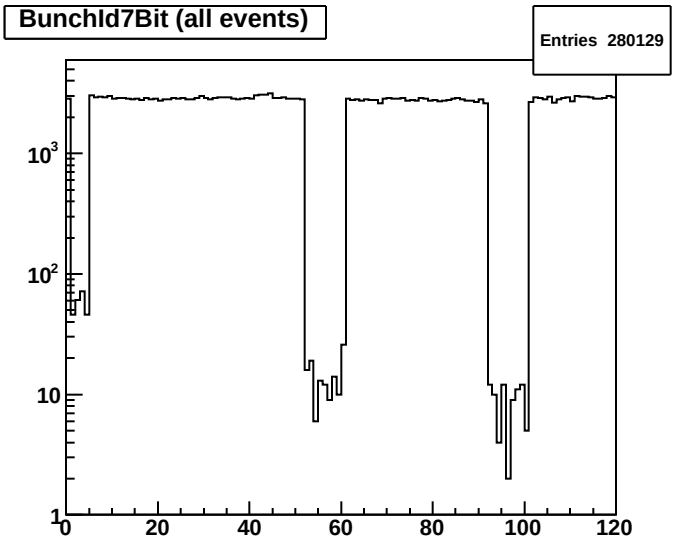

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2241032
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

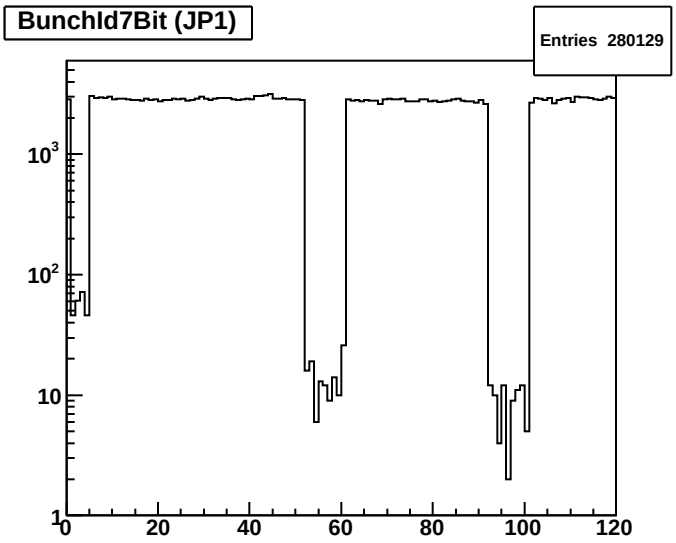

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

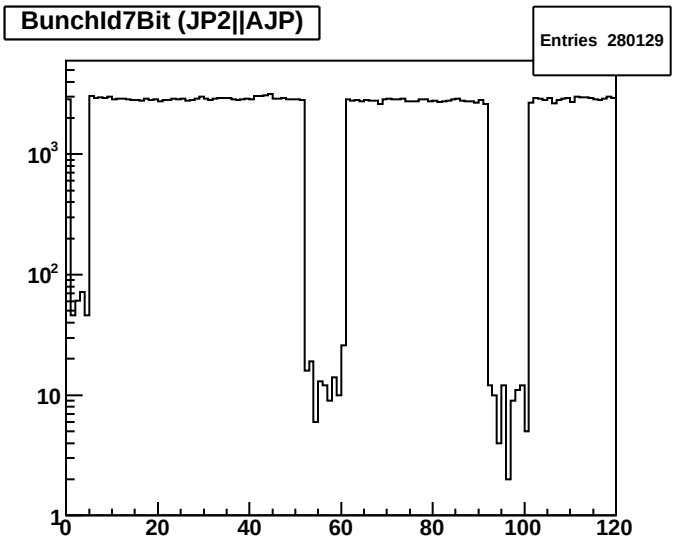

EMC L2 Input - HT23 bits
Entries 2241032
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

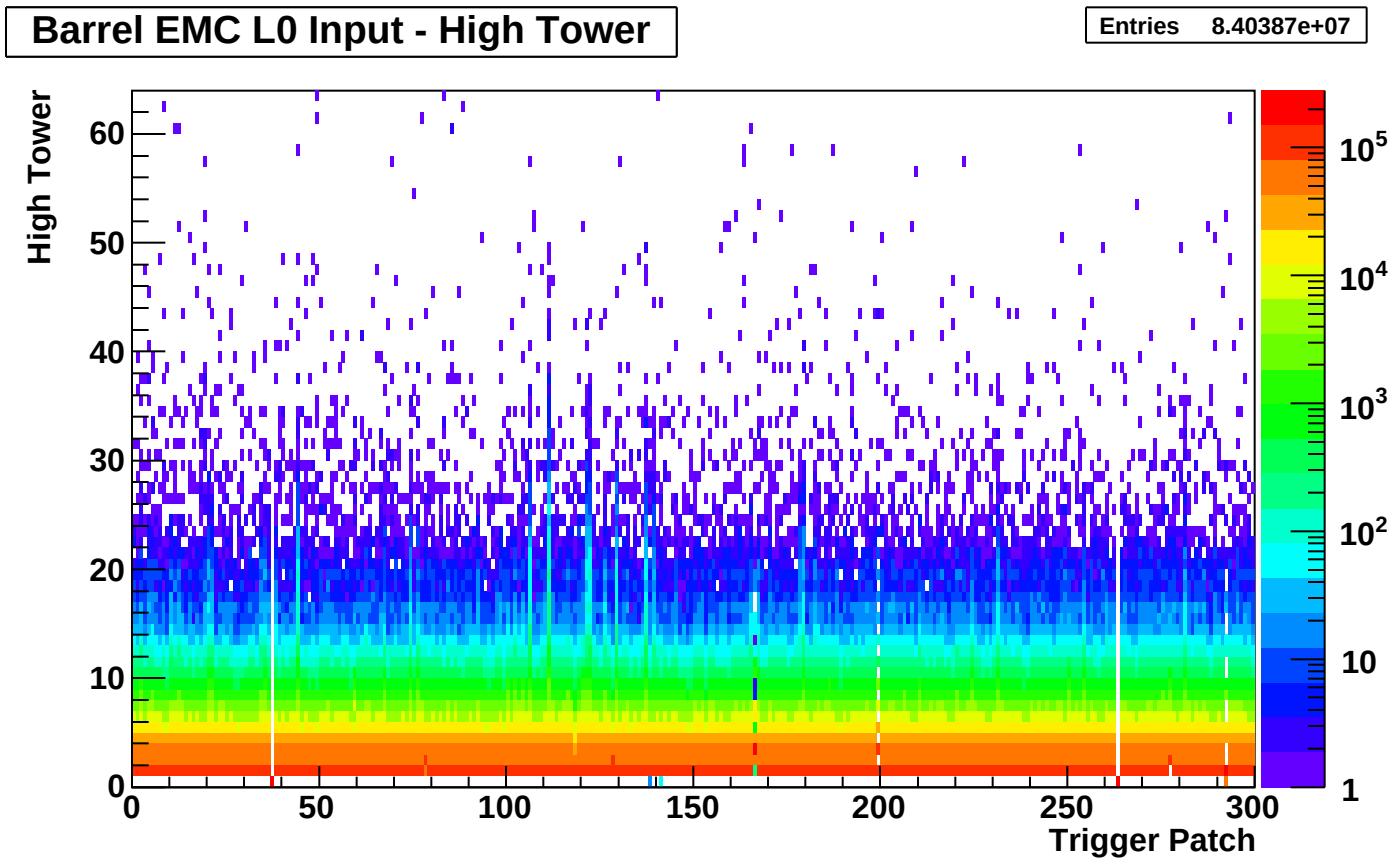

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

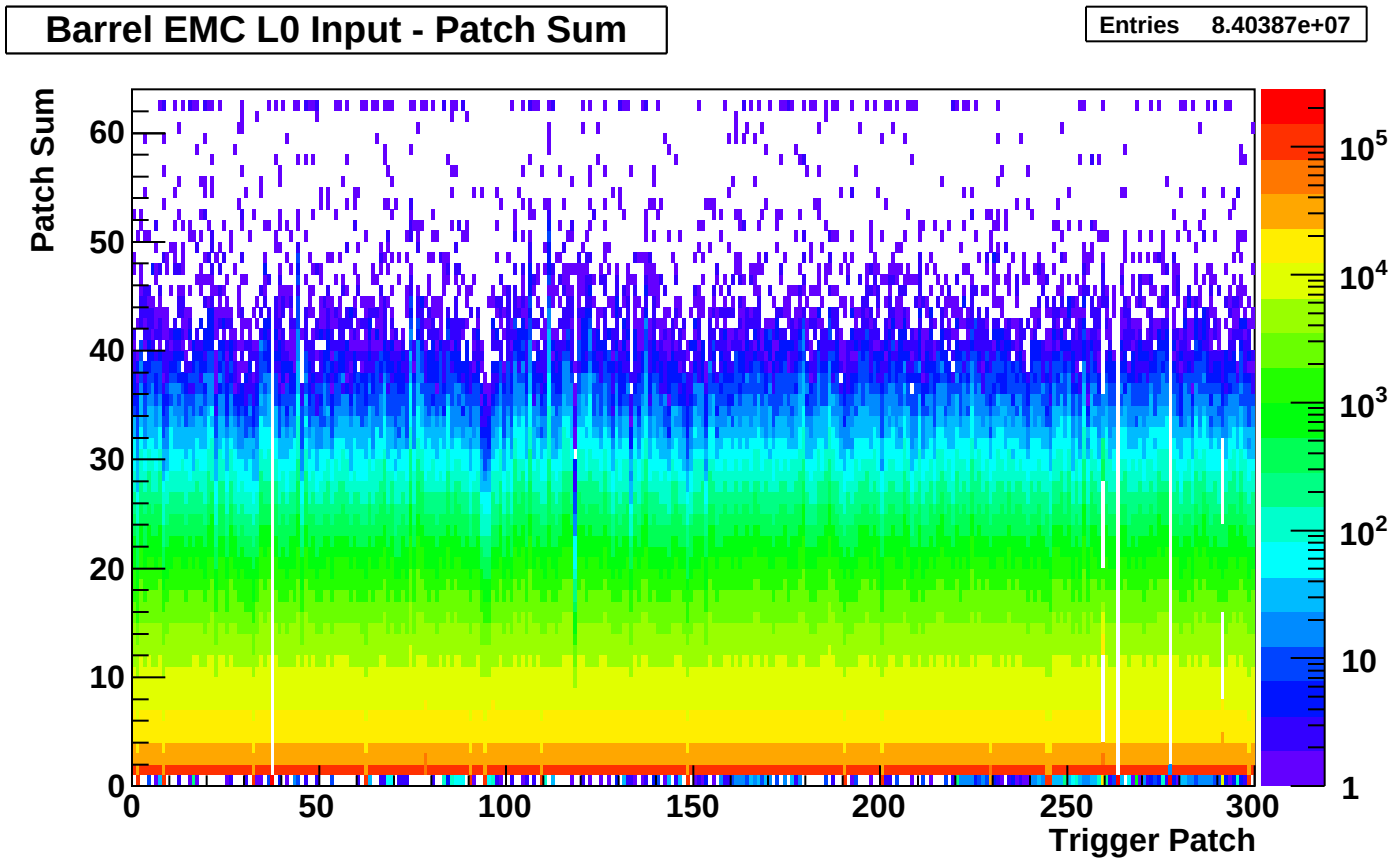

BunchId7Bit (BHT3)
Entries 1669
10
1
0
20
40
60
80
100
120

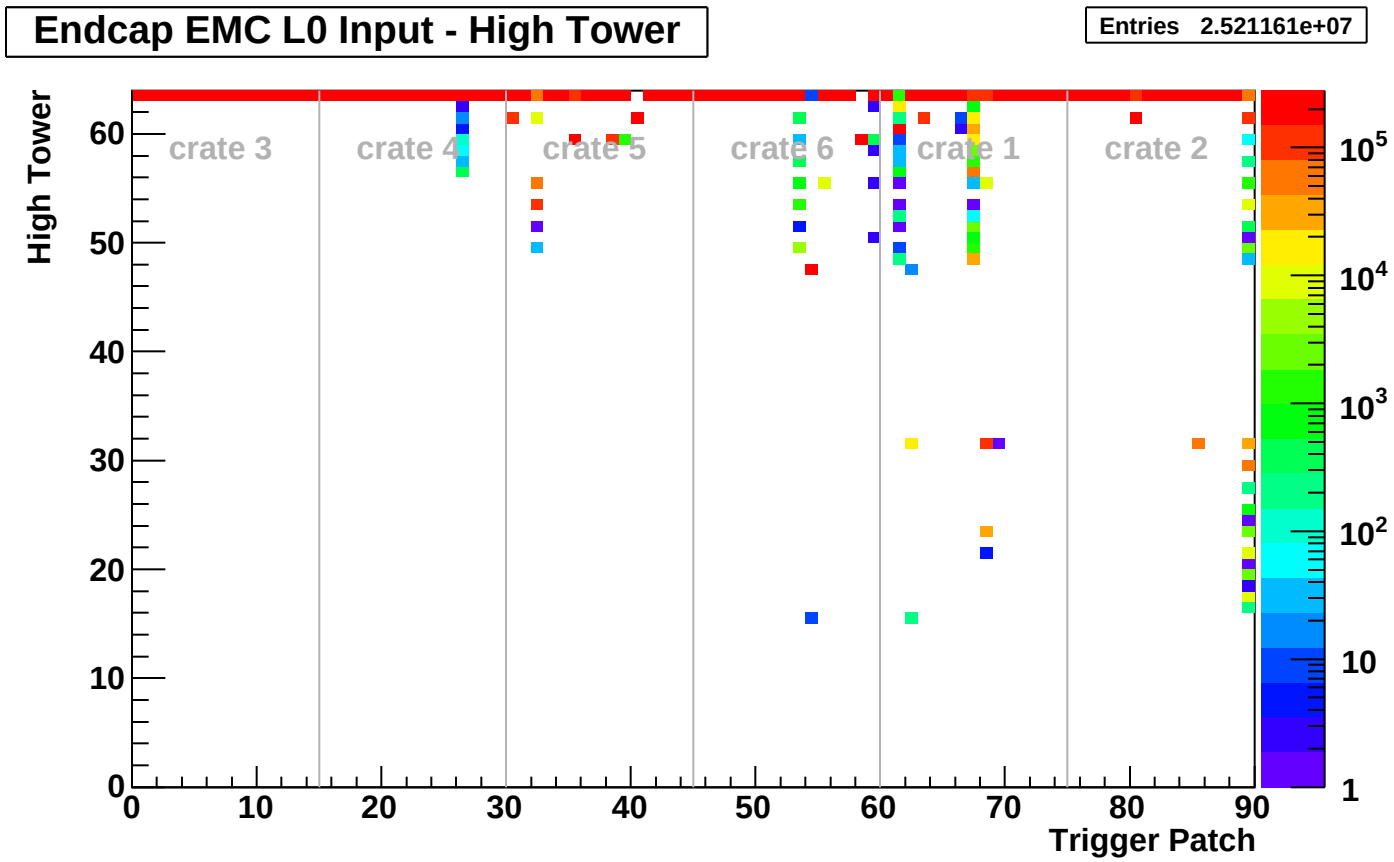

BunchId7Bit (all events)
Entries 280129
10^3
10^2
10
1
0
20
40
60
80
100
120

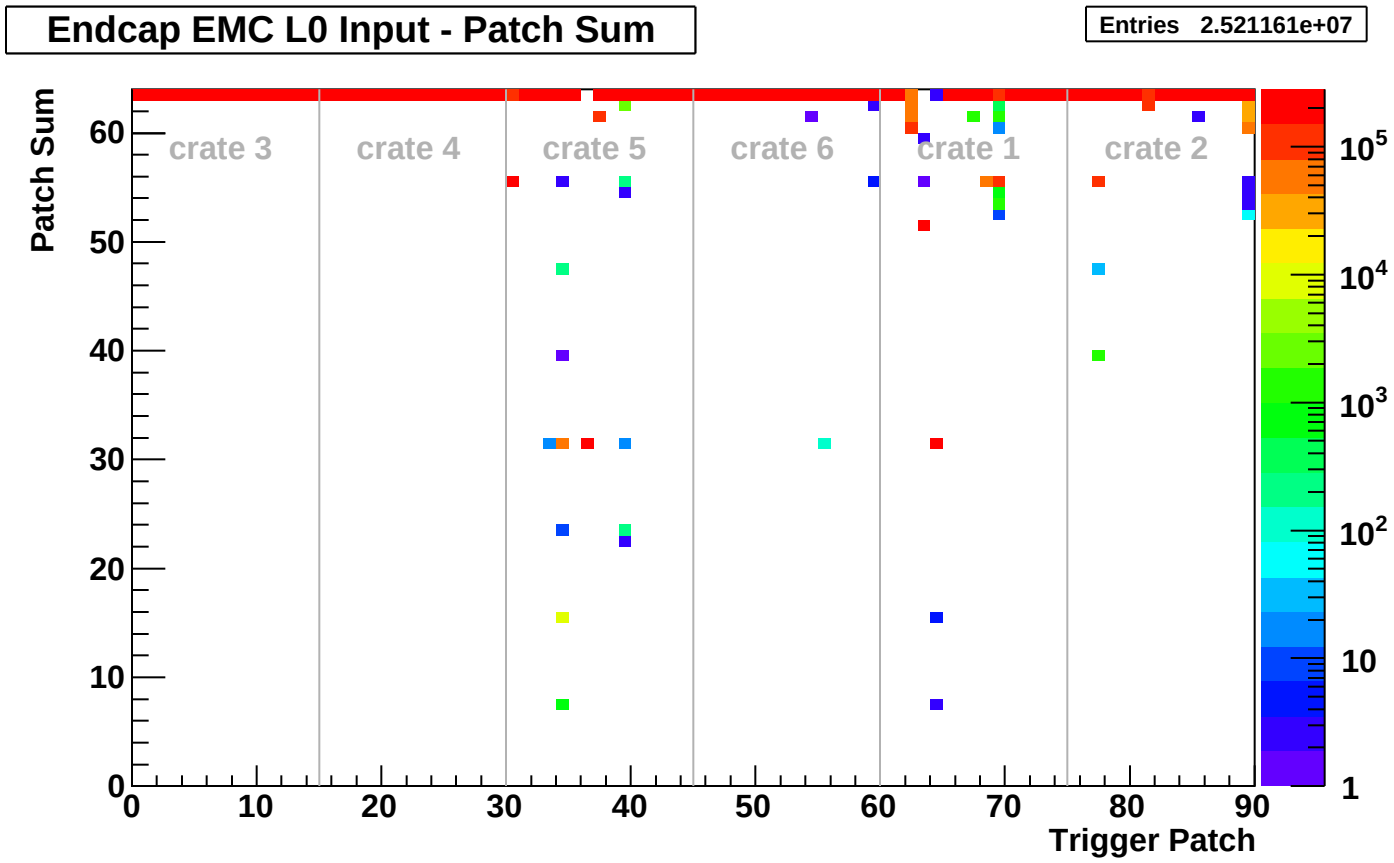

BunchId7Bit (JP1)
Entries 280129
10^3
10^2
10
1
0
20
40
60
80
100
120

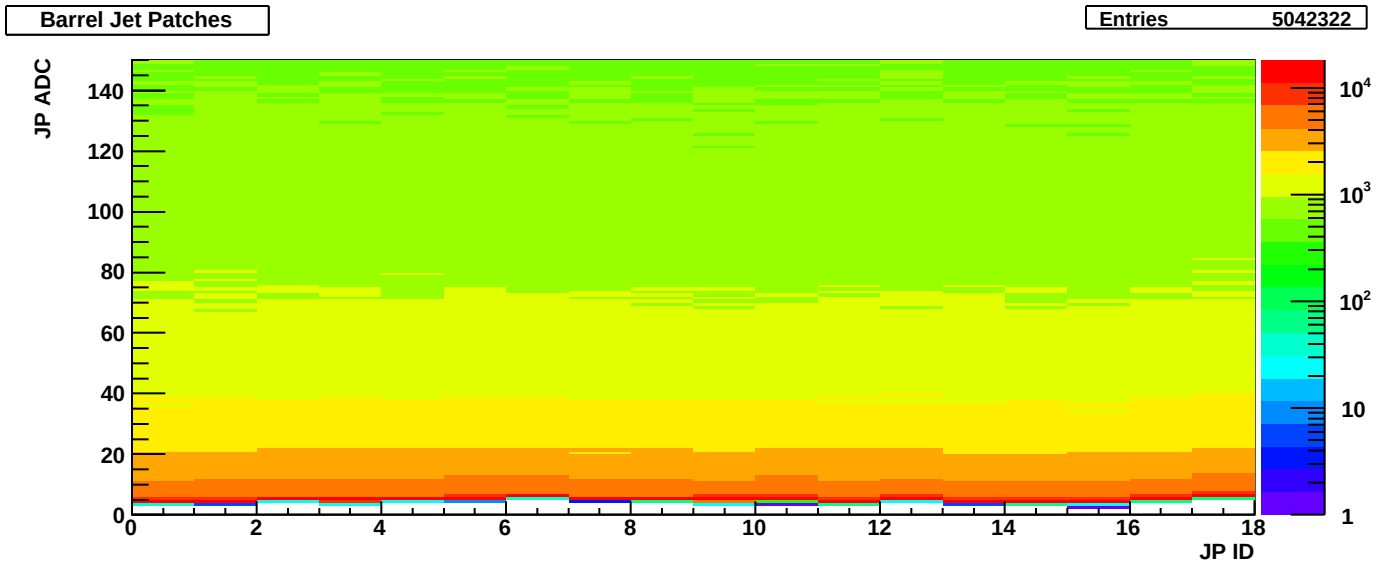

BunchId7Bit (JP2||AJP)
Entries 280129
10^3
10^2
10
1
0
20
40
60
80
100
120

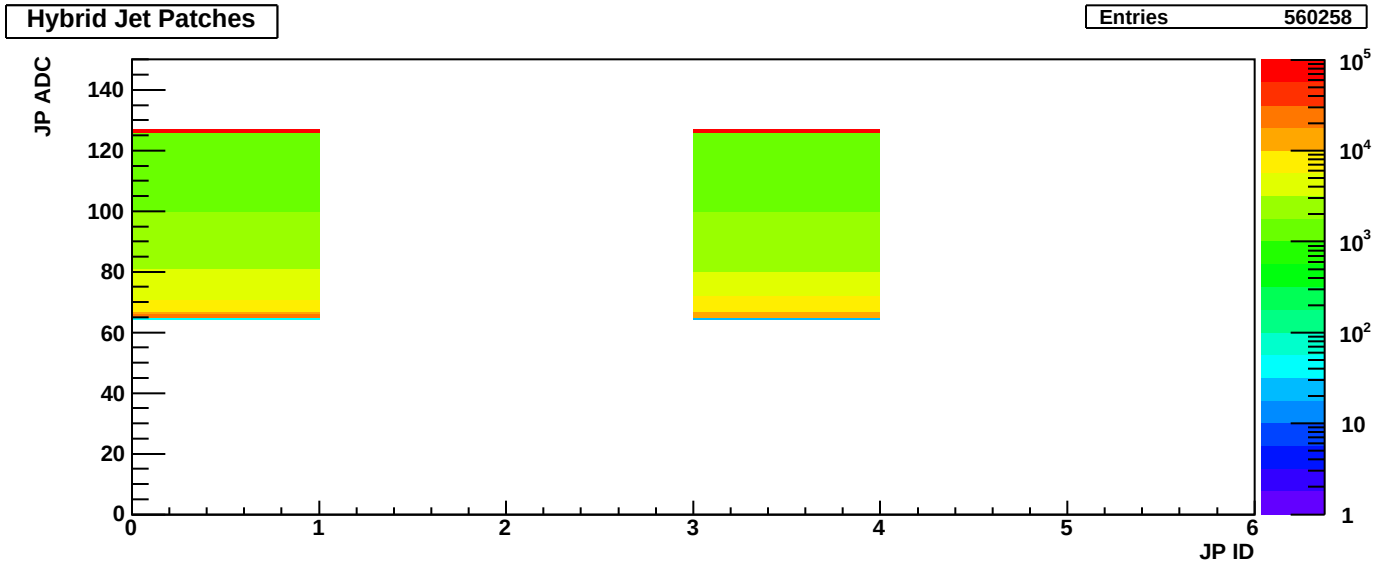

Barrel EMC L0 Input - High Tower
Entries 8.40387e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

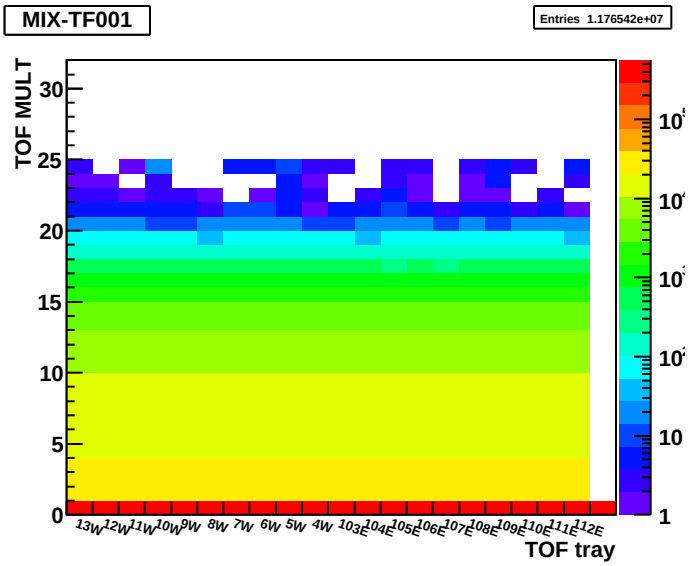

Barrel EMC L0 Input - Patch Sum
Entries 8.40387e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

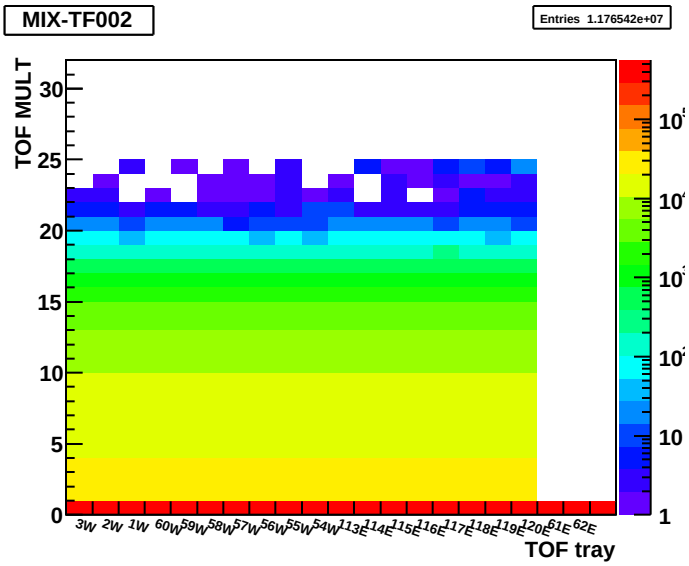

Endcap EMC L0 Input - High Tower
Entries 2.521161e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

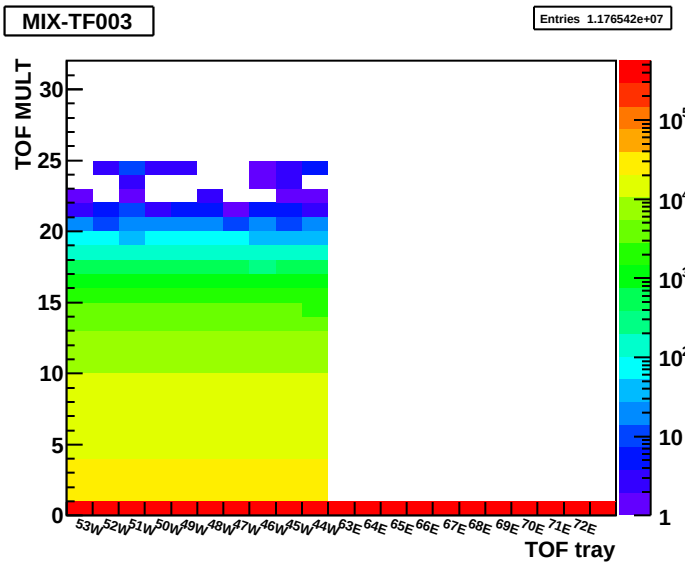

Endcap EMC L0 Input - Patch Sum
Entries 2.521161e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

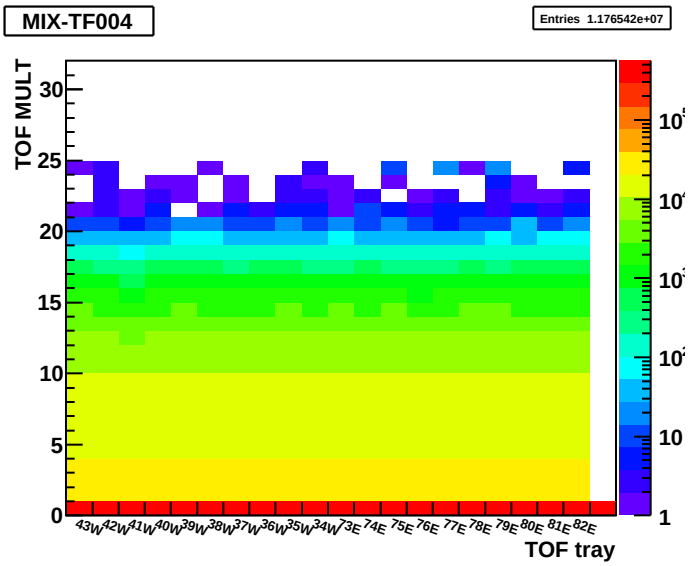

Barrel Jet Patches
Entries 5042322
JP ADC
JP ID

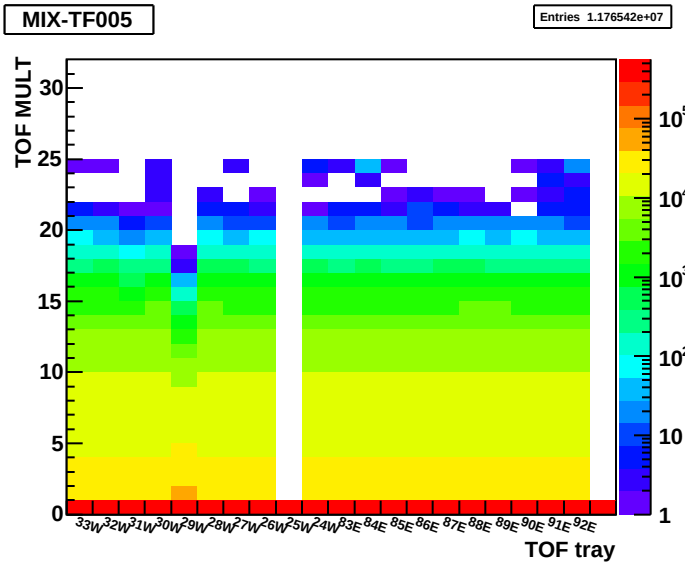

Hybrid Jet Patches
Entries 560258
JP ADC
JP ID

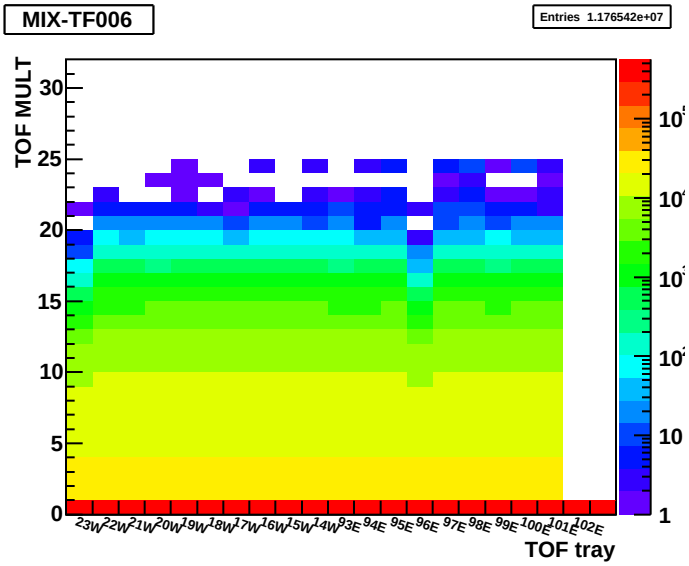

MIX-TF001
Entries 1.176542e+07
TOF MULT
TOF tray

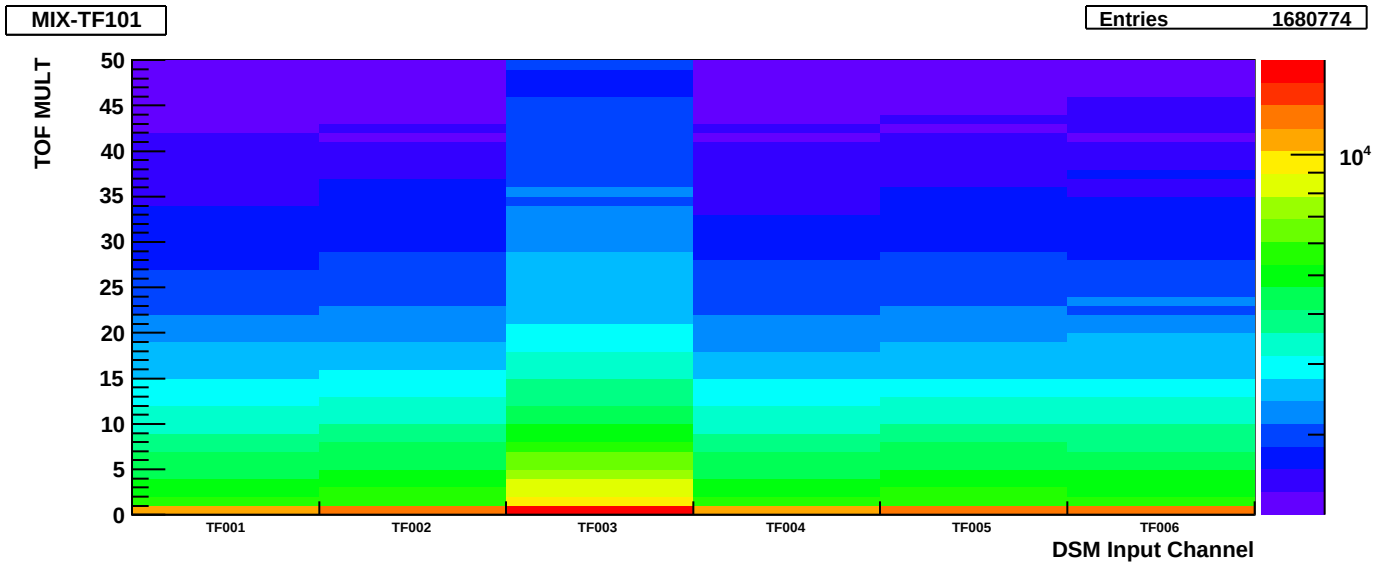

MIX-TF002
Entries 1.176542e+07
TOF MULT
TOF tray

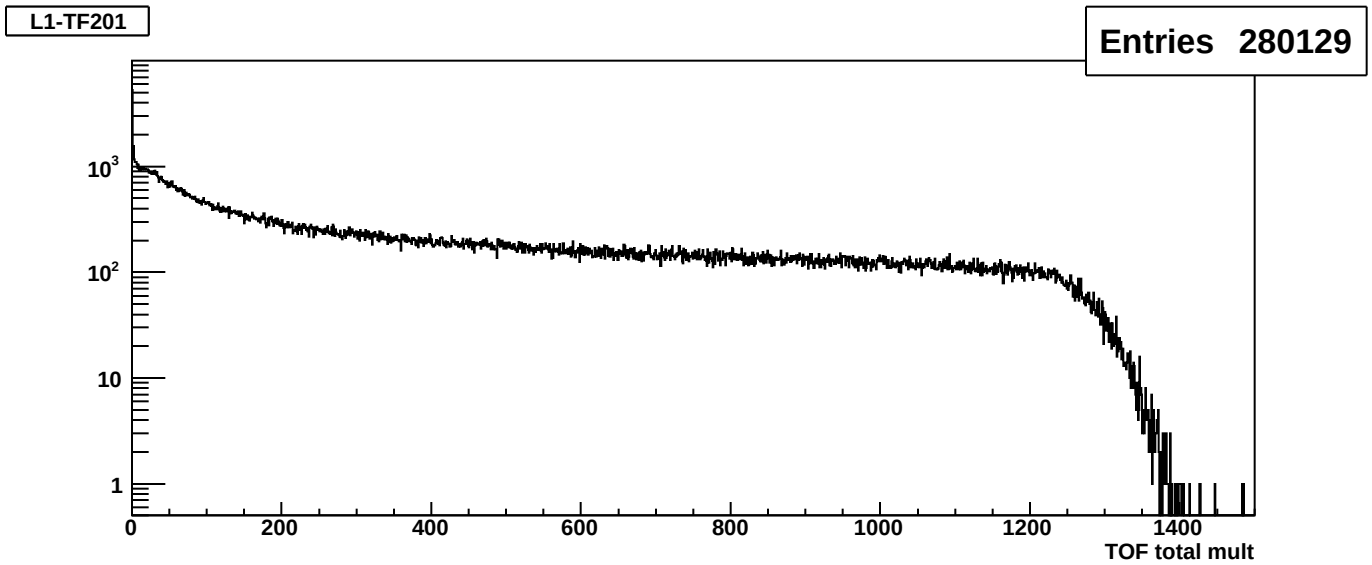

MIX-TF003
Entries 1.176542e+07
TOF MULT
TOF tray

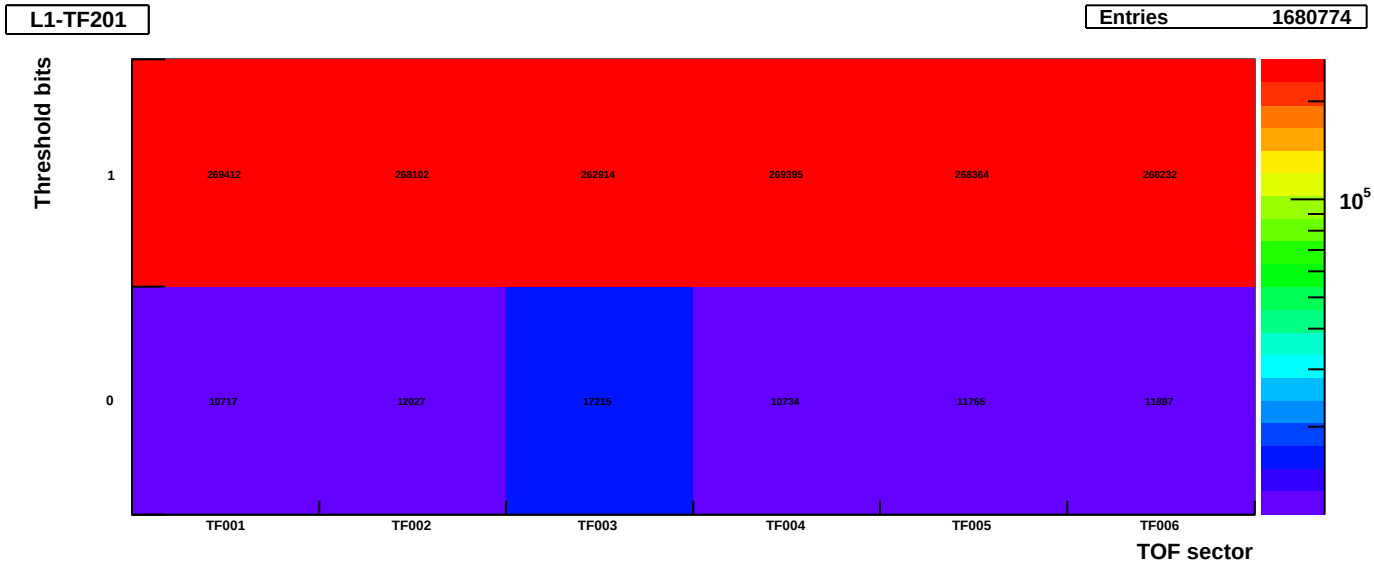

MIX-TF004
Entries 1.176542e+07
TOF MULT
TOF tray

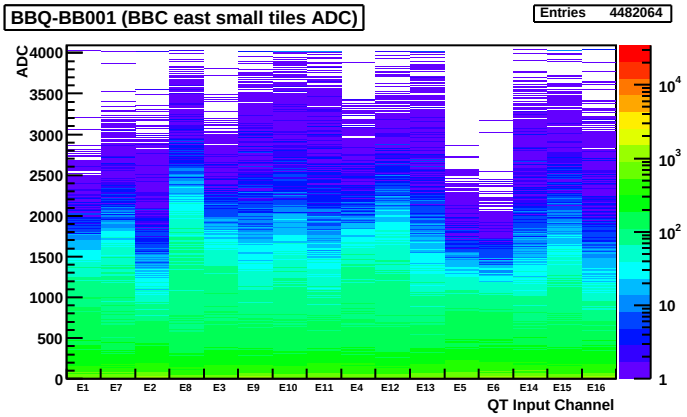

MIX-TF005
Entries 1.176542e+07
TOF MULT
TOF tray

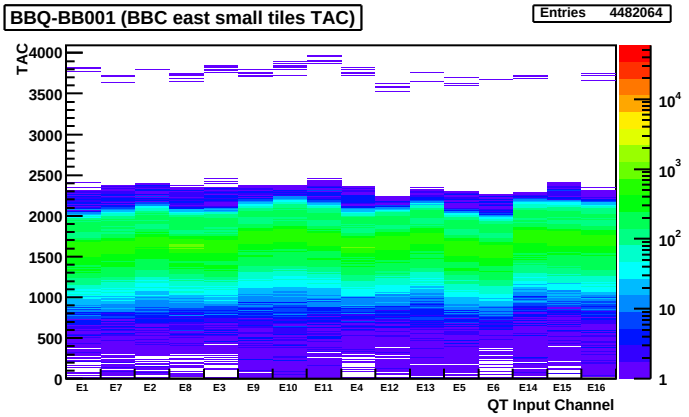

MIX-TF006
Entries 1.176542e+07
TOF MULT
TOF tray

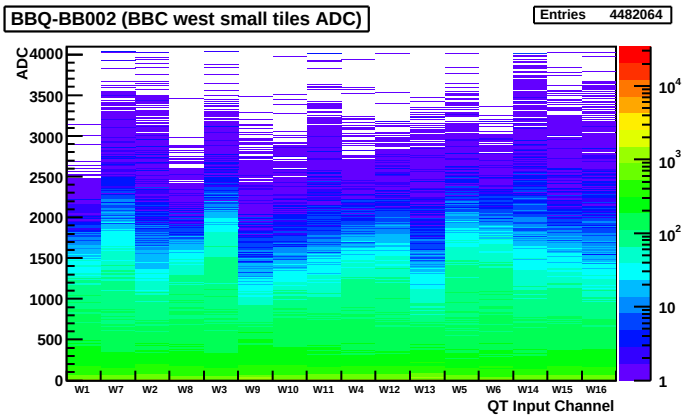

MIX-TF101
Entries 1680774
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

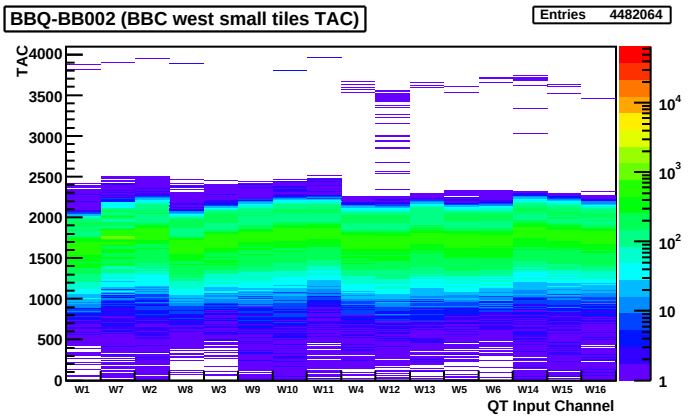

L1-TF201
Entries 280129
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

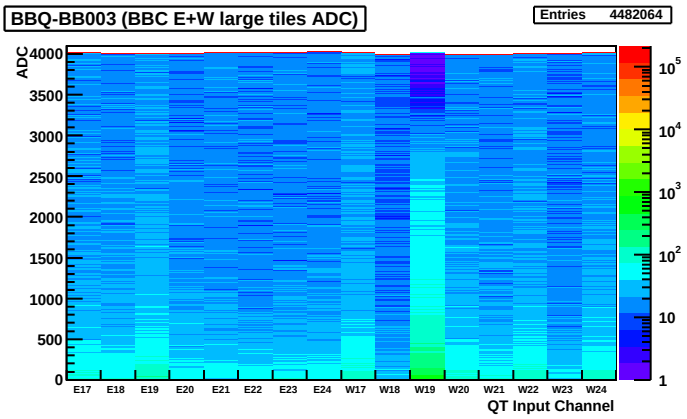

L1-TF201
Entries 1680774
Threshold bits
1
0
269412
268102
262914
269395
268364
268232
10717
12027
17215
10734
11765
11897
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

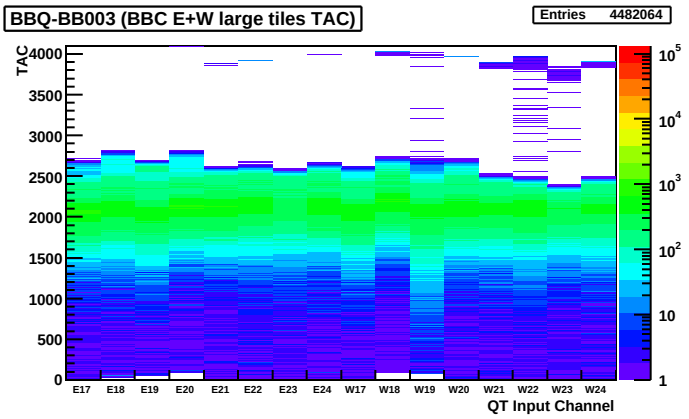

BBQ-BB001 (BBC east small tiles ADC)
Entries 4482064
ADC
QT Input Channel

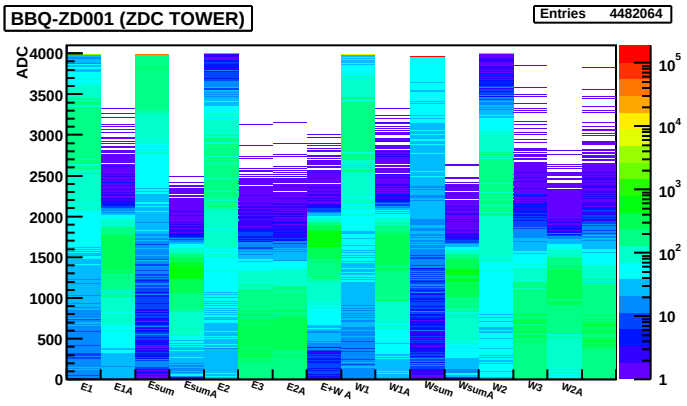

BBQ-BB001 (BBC east small tiles TAC)
Entries 4482064
TAC
QT Input Channel

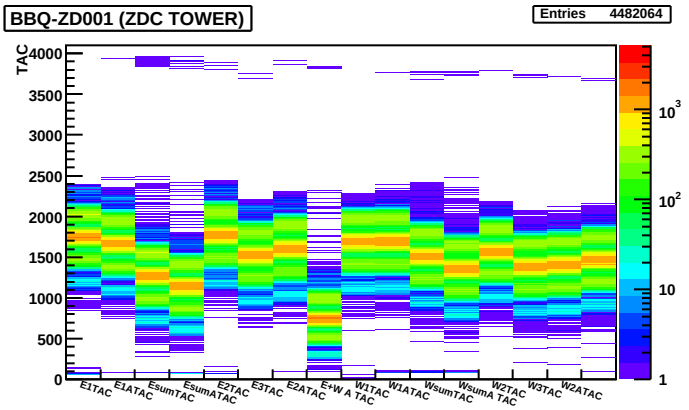

BBQ-BB002 (BBC west small tiles ADC)
Entries 4482064
ADC
QT Input Channel

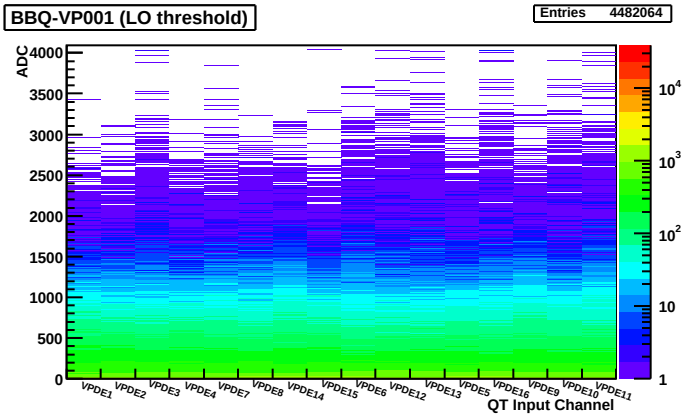

BBQ-BB002 (BBC west small tiles TAC)
Entries 4482064
TAC
QT Input Channel

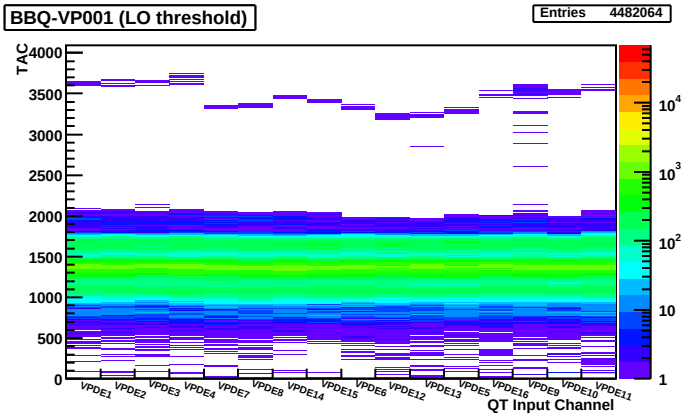

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 4482064
ADC
QT Input Channel

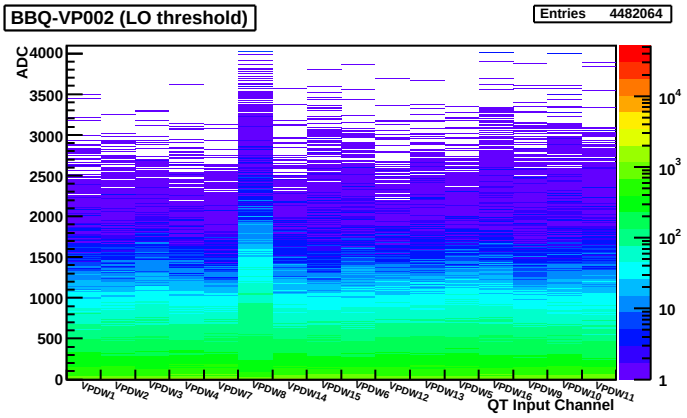

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 4482064
TAC
QT Input Channel

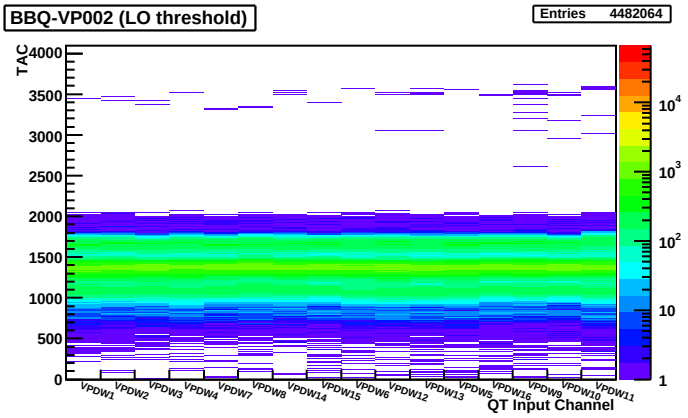

BBQ-ZD001 (ZDC TOWER)
Entries 4482064
ADC

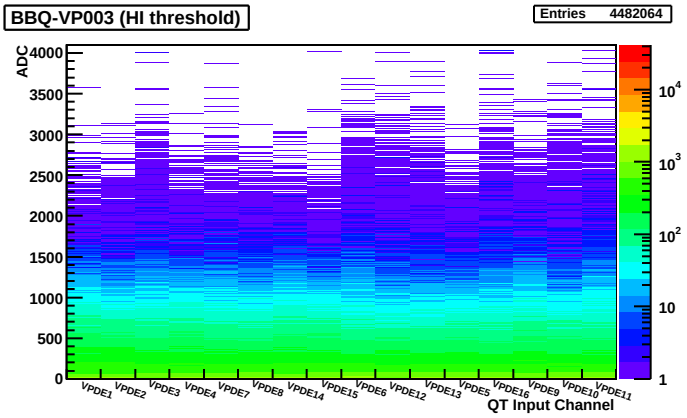

BBQ-ZD001 (ZDC TOWER)
Entries 4482064
TAC

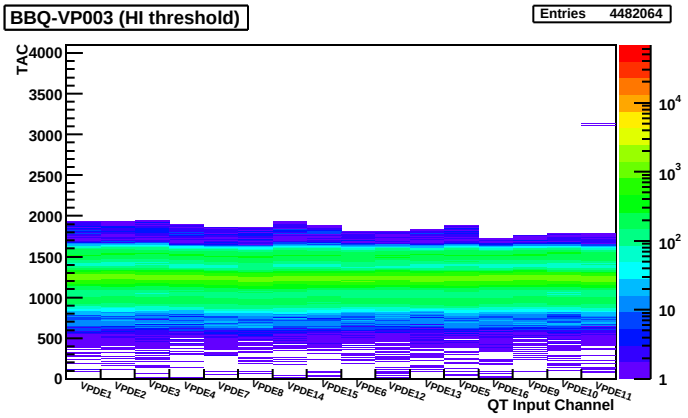

BBQ-VP001 (LO threshold)
Entries 4482064
ADC
QT Input Channel

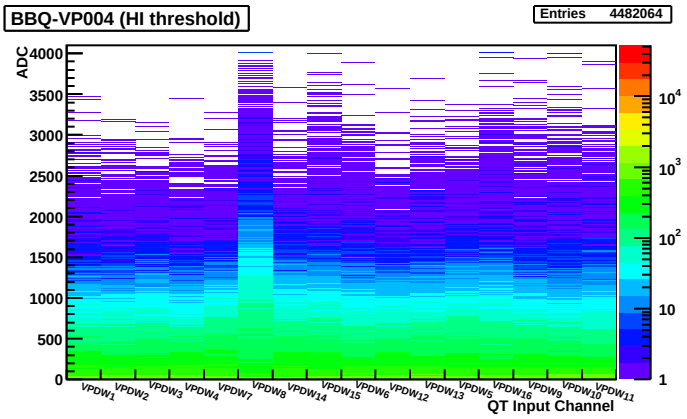

BBQ-VP001 (LO threshold)
Entries 4482064
TAC
QT Input Channel

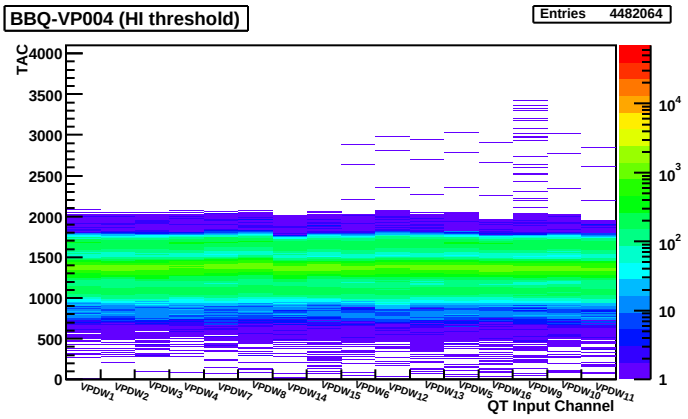

BBQ-VP002 (LO threshold)
Entries 4482064
ADC
QT Input Channel

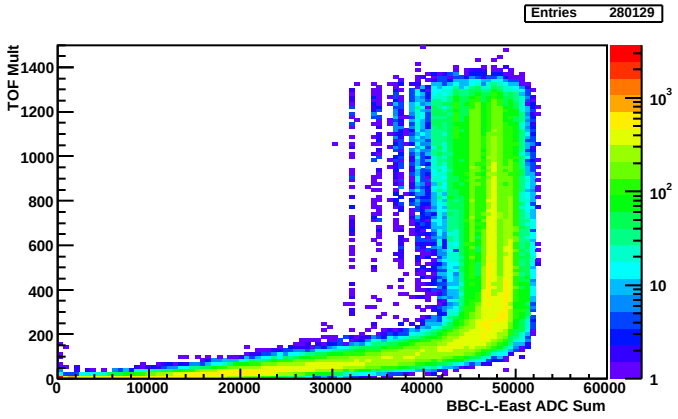

BBQ-VP002 (LO threshold)
Entries 4482064
TAC
QT Input Channel

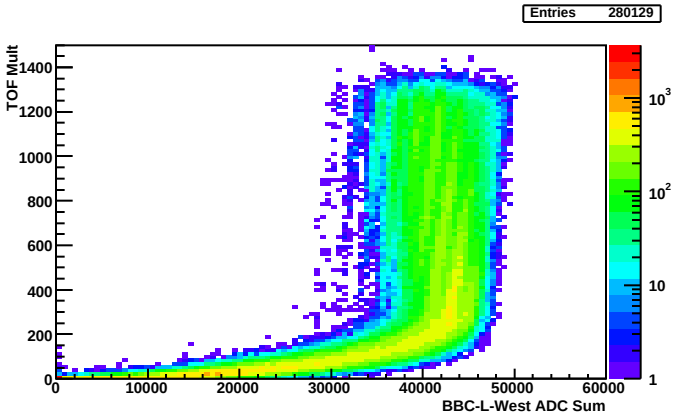

BBQ-VP003 (HI threshold)
Entries 4482064
ADC
QT Input Channel

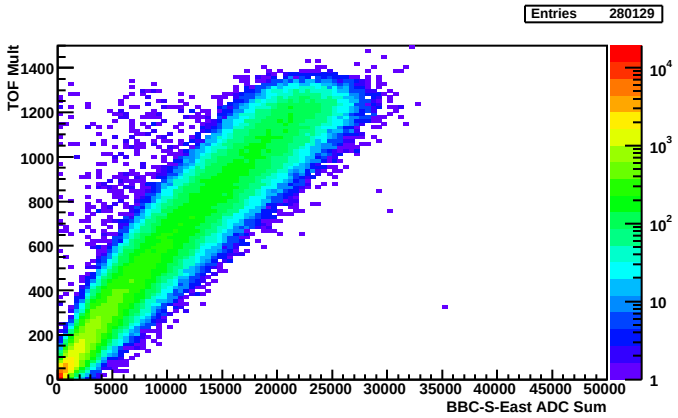

BBQ-VP003 (HI threshold)
Entries 4482064
TAC
QT Input Channel

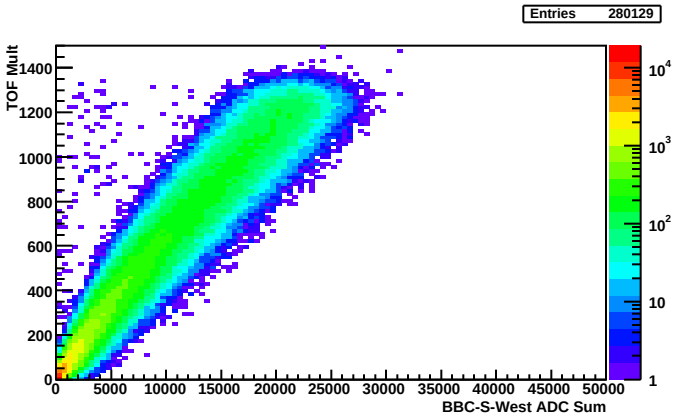

BBQ-VP004 (HI threshold)
Entries 4482064
ADC
QT Input Channel

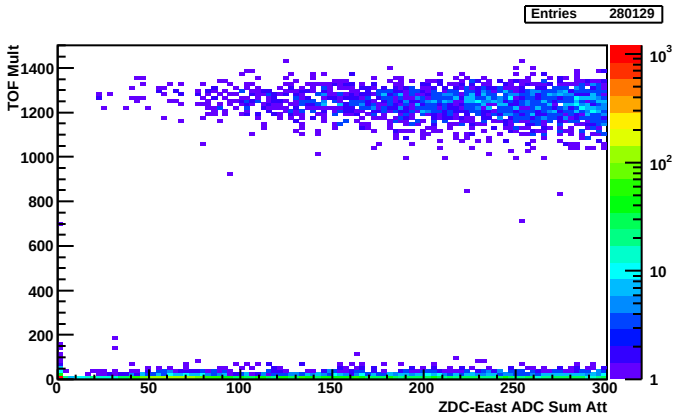

BBQ-VP004 (HI threshold)
Entries 4482064
TAC
QT Input Channel

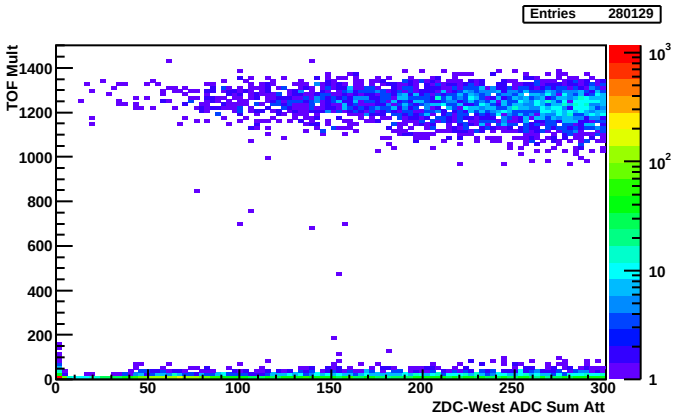

Entries 280129
TOF Mult
BBC-L-East ADC Sum

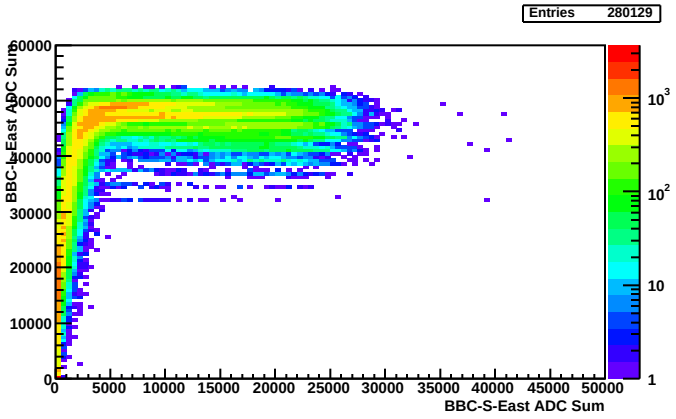

Entries 280129
TOF Mult
BBC-L-West ADC Sum

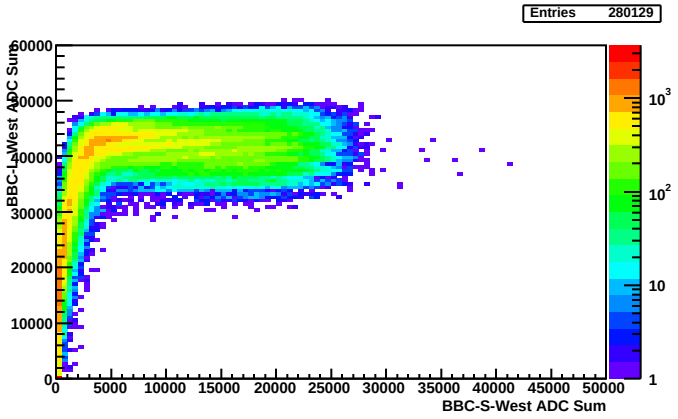

Entries 280129
TOF Mult
BBC-S-East ADC Sum

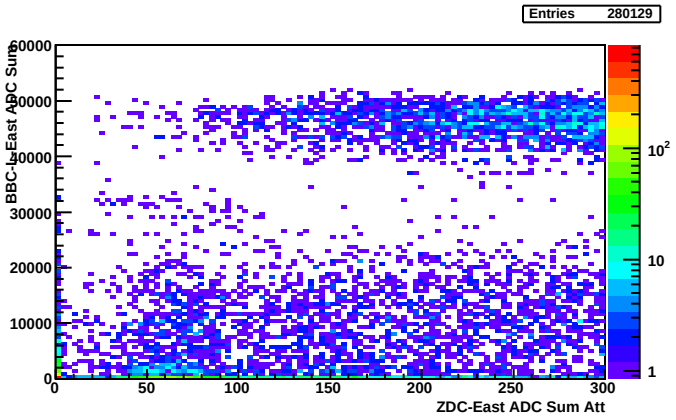

Entries 280129
TOF Mult
BBC-S-West ADC Sum

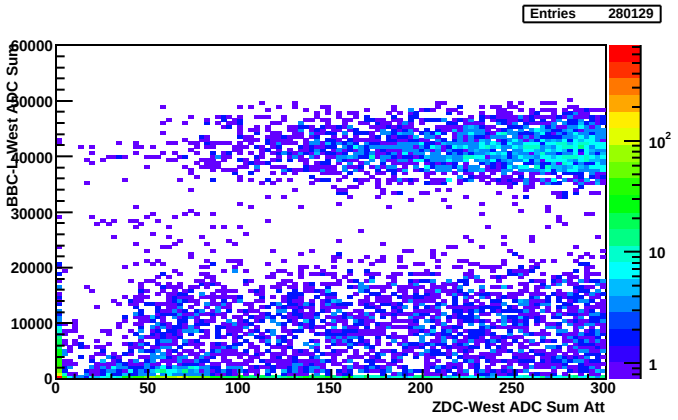

Entries 280129
TOF Mult
ZDC-East ADC Sum Att

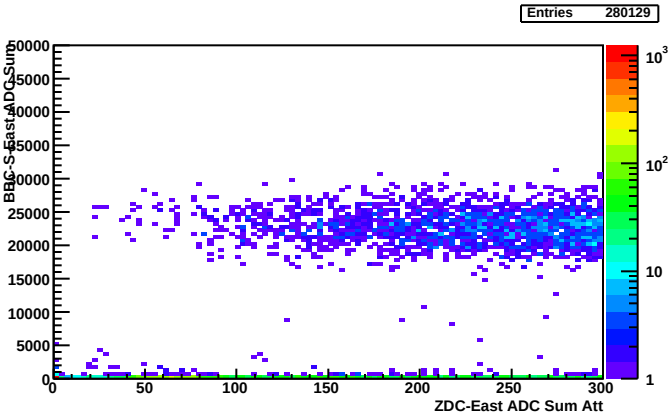

Entries 280129
TOF Mult
ZDC-West ADC Sum Att

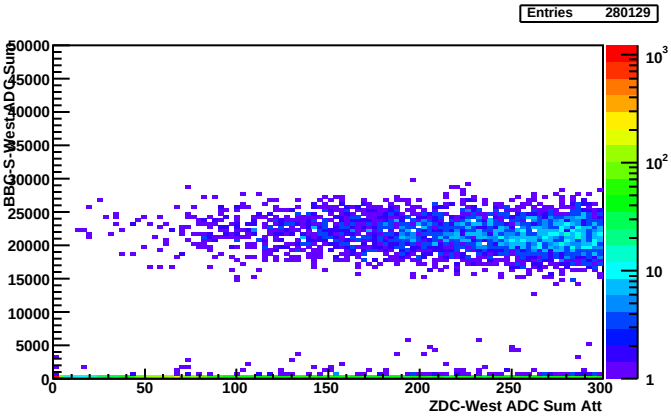

Entries 280129
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 280129
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 280129
BBC-L-East ADC Sum
ZDC-East ADC Sum Att


Entries 280129
BBC-L-West ADC Sum
ZDC-West ADC Sum Att


Entries 280129
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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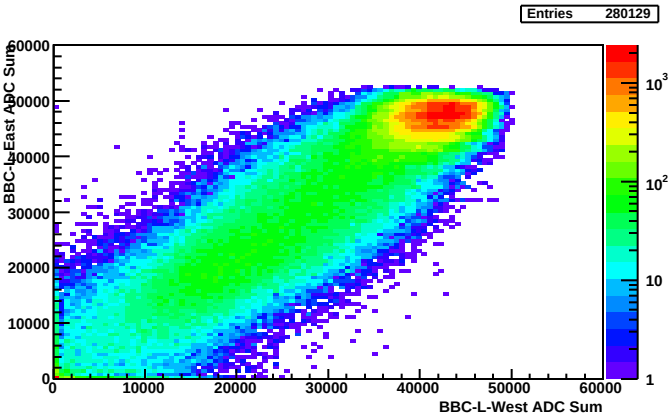
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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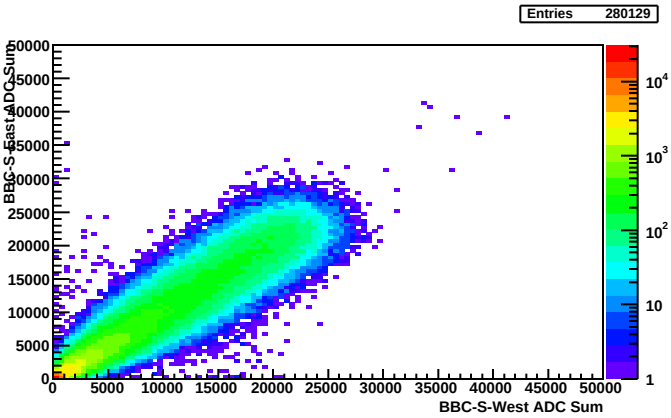
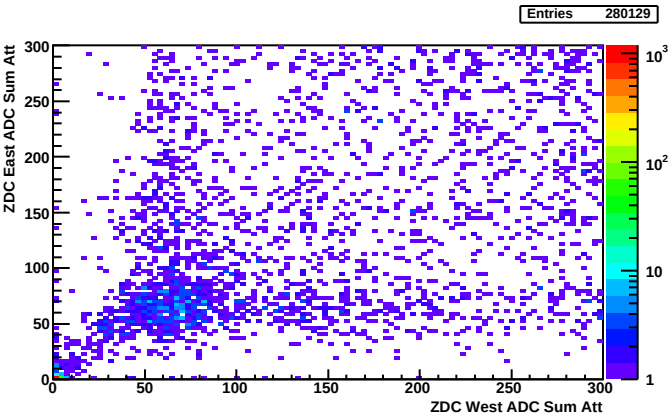
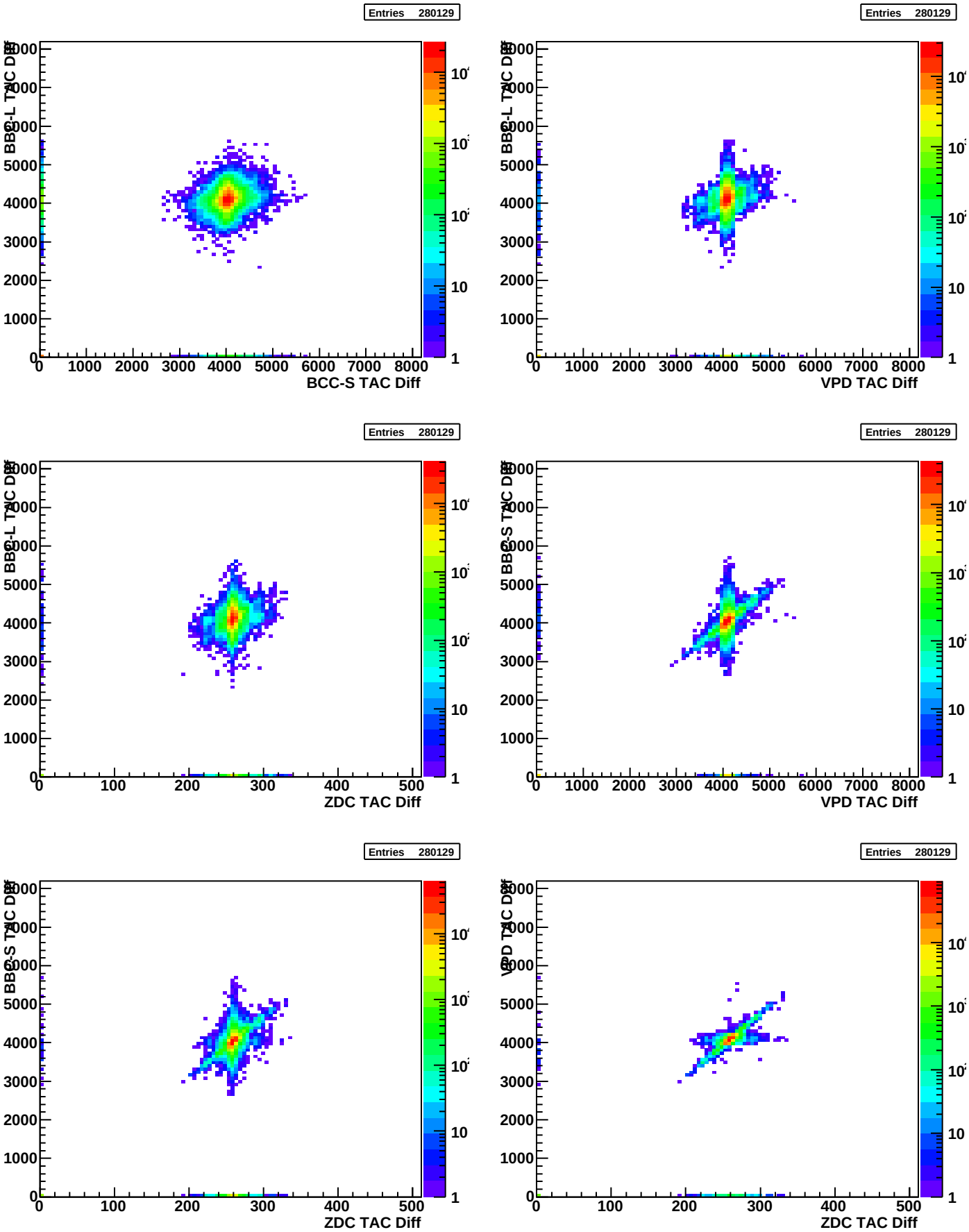
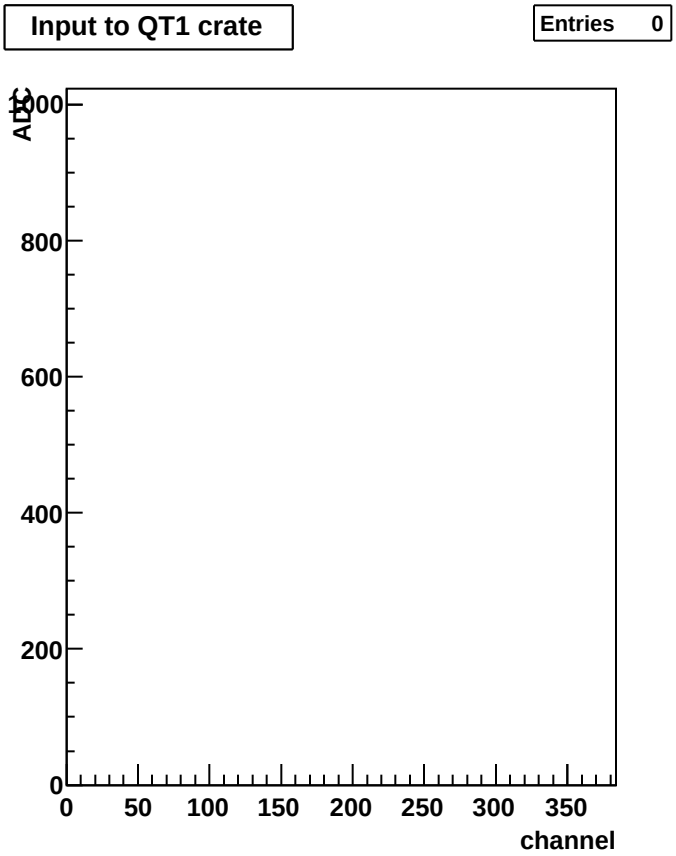
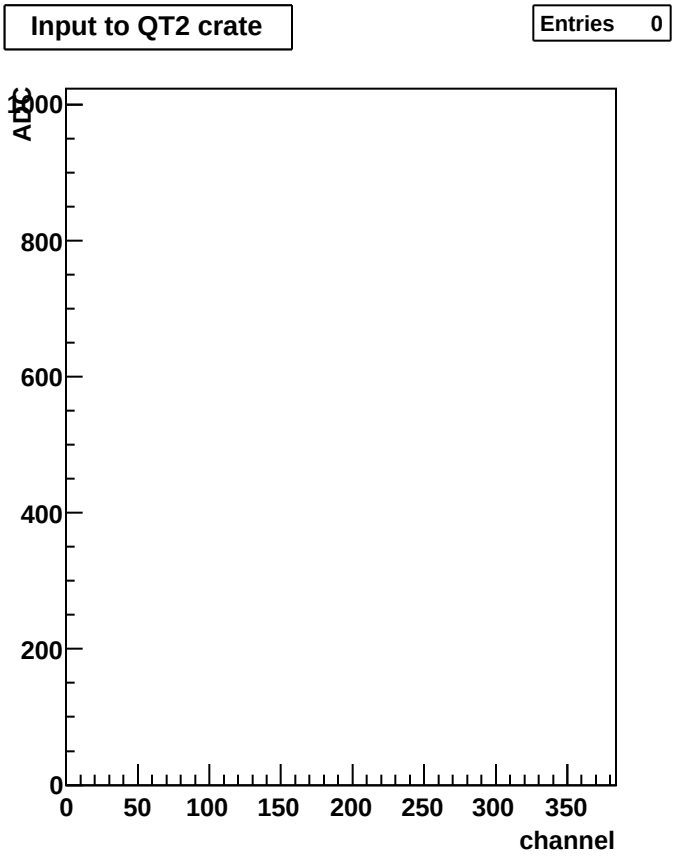
BBC-L-East ADC Sum
BBC-L-West ADC Sum

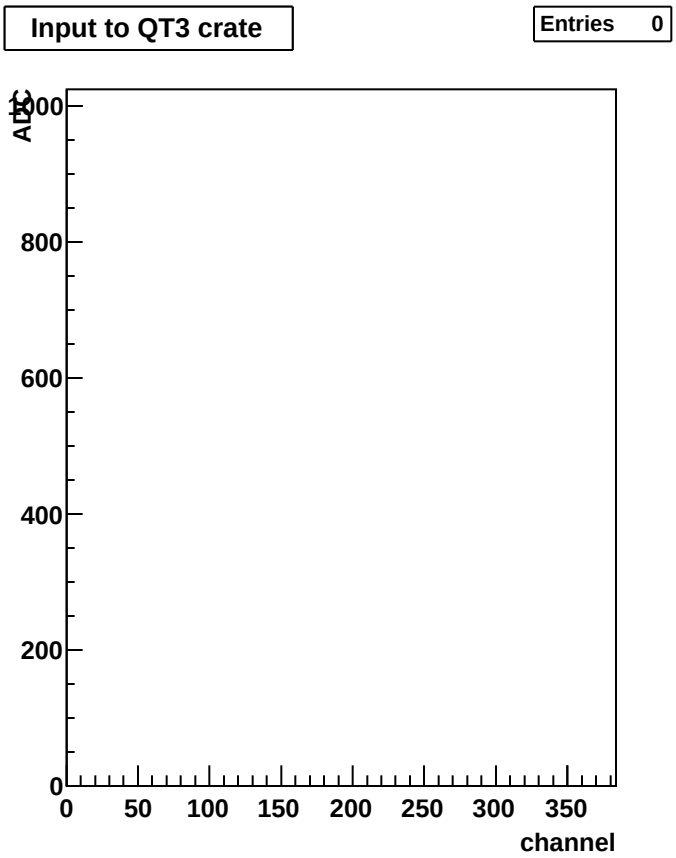

Entries 280129
BBC-S-East ADC Sum
BBC-S-West ADC Sum

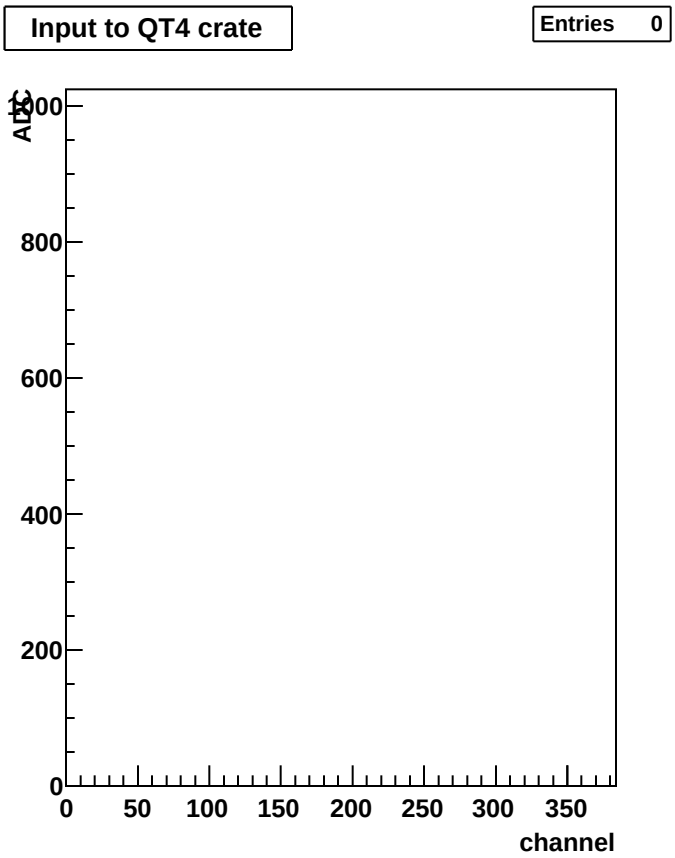

Entries 280129
ZDC East ADC Sum Att
ZDC West ADC Sum Att

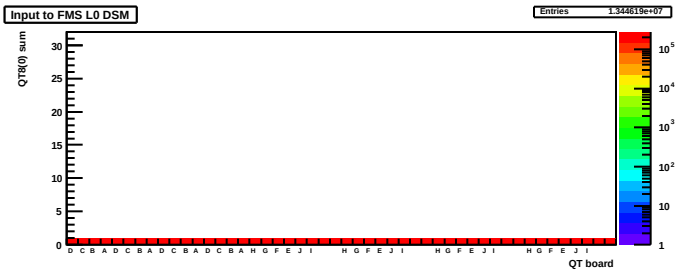

Entries 280129
BBC-L TAC Diff
BCC-S TAC Diff
Entries 280129
BBC-L TAC Diff
VPD TAC Diff
Entries 280129
BBC-L TAC Diff
ZDC TAC Diff
Entries 280129
BBC-S TAC Diff
VPD TAC Diff
Entries 280129
BBC-S TAC Diff
ZDC TAC Diff
Entries 280129
VPD TAC Diff
ZDC TAC Diff

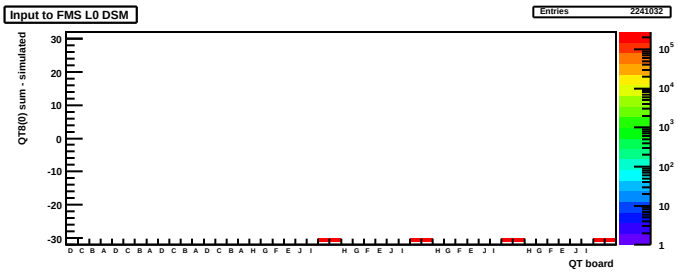

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

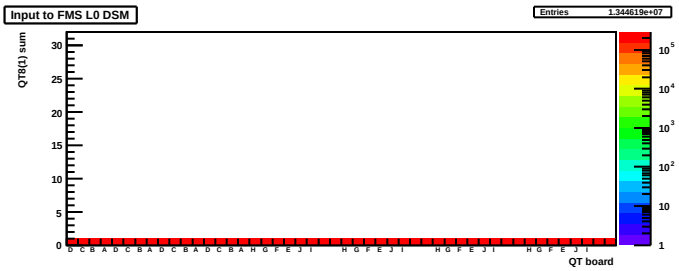

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

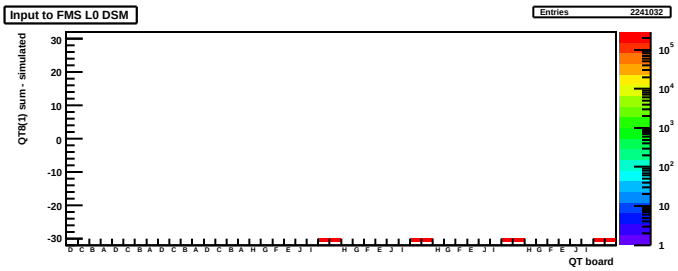

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

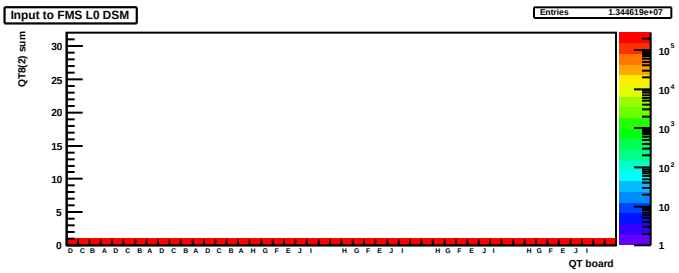

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

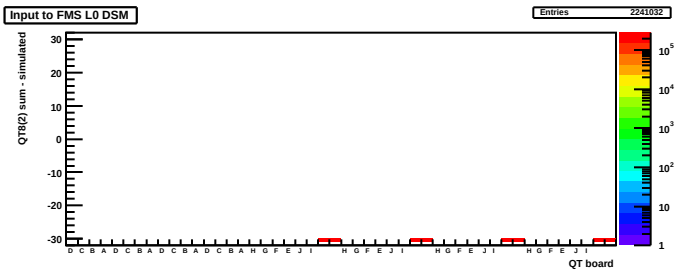

Input to FMS L0 DSM
Entries 1.344619e+07
QT8(0) sum
QT board

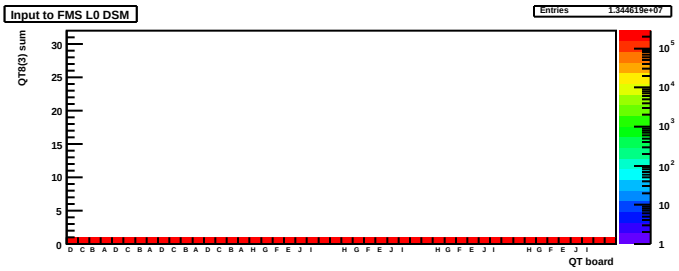

Input to FMS L0 DSM
Entries 2241032
QT8(0) sum - simulated
QT board

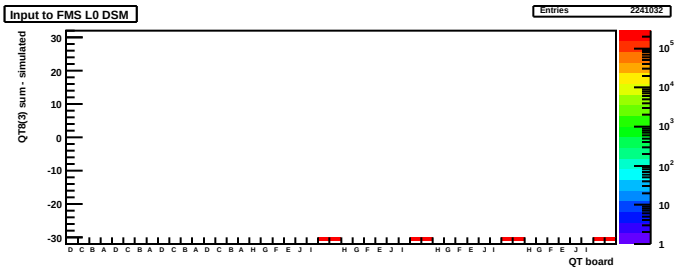

Input to FMS L0 DSM
Entries 1.344619e+07
QT8(1) sum
QT board

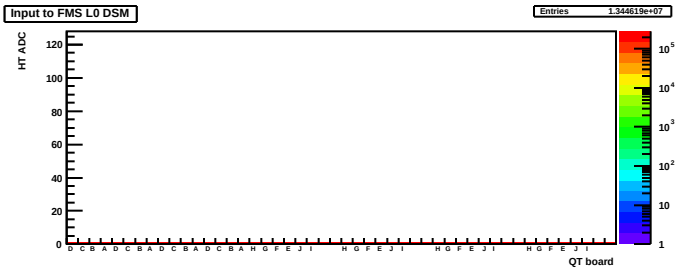

Input to FMS L0 DSM
Entries 2241032
QT8(1) sum - simulated
QT board

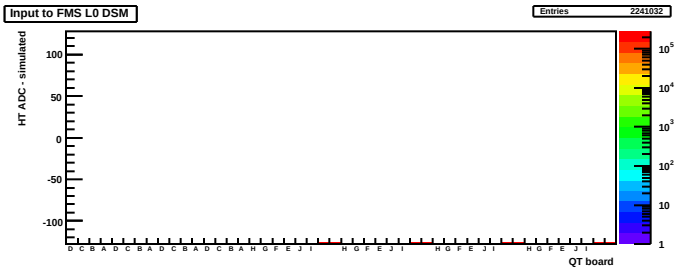

Input to FMS L0 DSM
Entries 1.344619e+07
QT8(2) sum
QT board

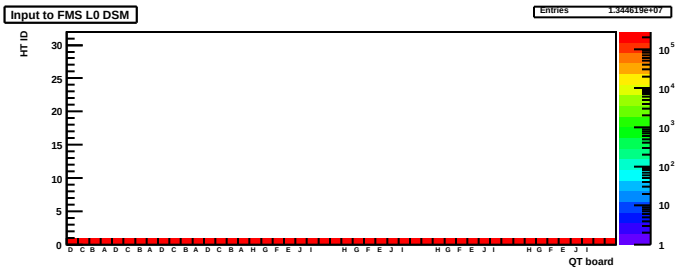

Input to FMS L0 DSM
Entries 2241032
QT8(2) sum - simulated
QT board

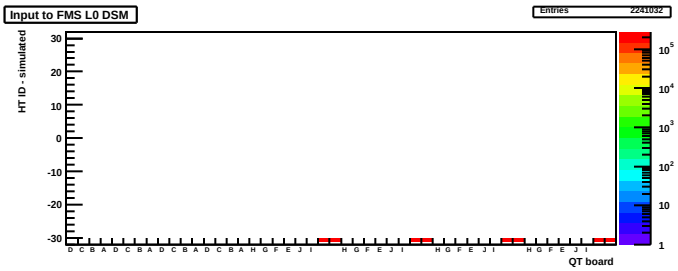

Input to FMS L0 DSM
Entries 1.344619e+07
QT8(3) sum
QT board

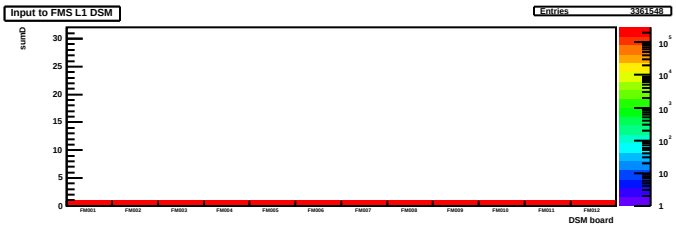

Input to FMS L0 DSM
Entries 2241032
QT8(3) sum - simulated
QT board

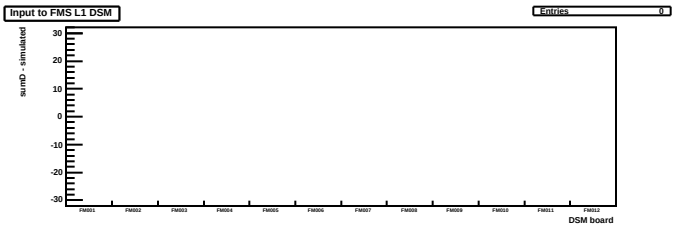

Input to FMS L0 DSM
Entries 1.344619e+07
HT ADC
QT board

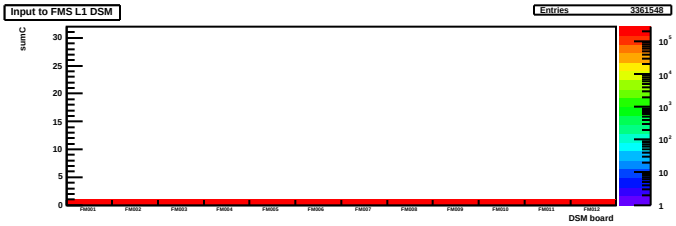

Input to FMS L0 DSM
Entries 2241032
HT ADC - simulated
QT board

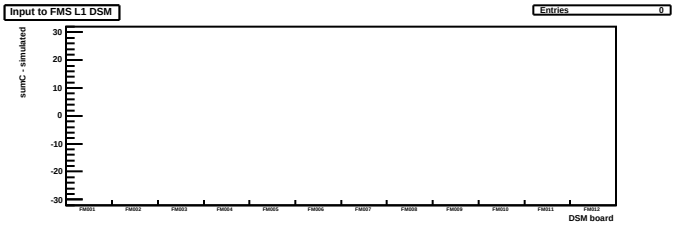

Input to FMS L0 DSM
Entries 1.344619e+07
HT ID
QT board

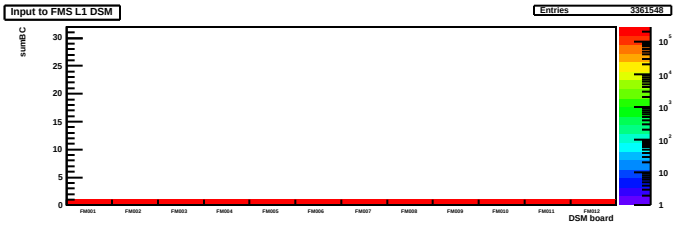

Input to FMS L0 DSM
Entries 2241032
HT ID - simulated
QT board

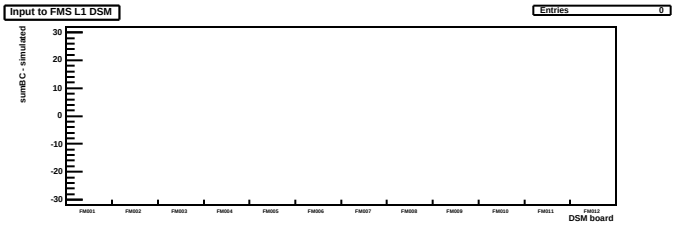

Input to FMS L1 DSM
Entries 3361548
sumD
DSM board

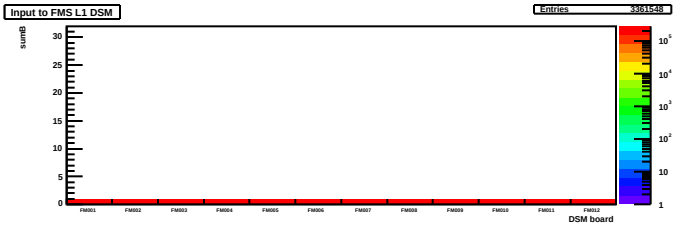

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

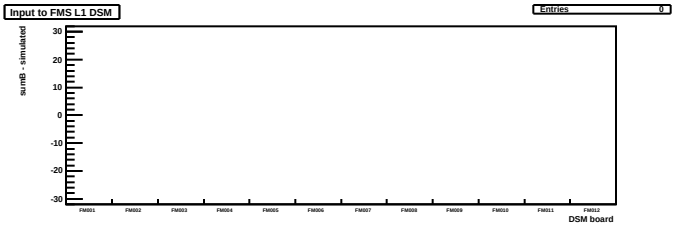

Input to FMS L1 DSM
Entries 3361548
sumC
DSM board

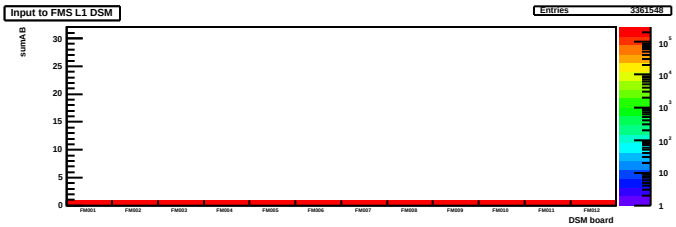

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

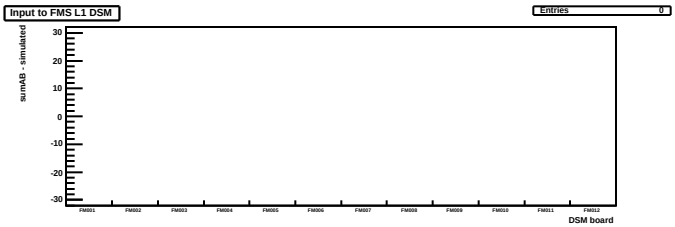

Input to FMS L1 DSM
Entries 3361548
sumBC
DSM board

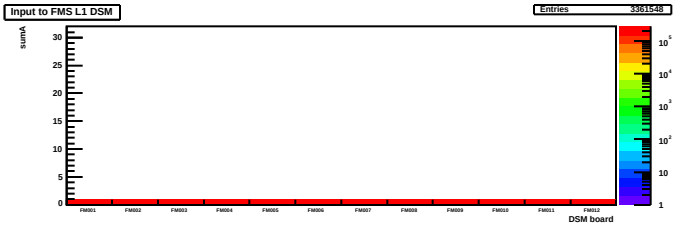

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

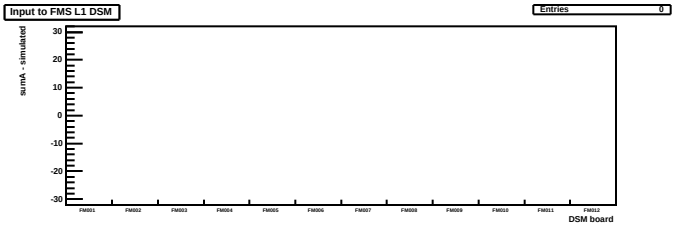

Input to FMS L1 DSM
Entries 3361548
sumB
DSM board

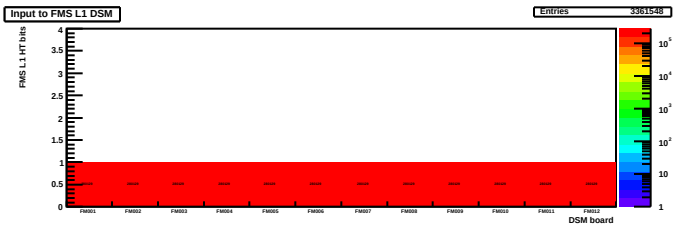

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

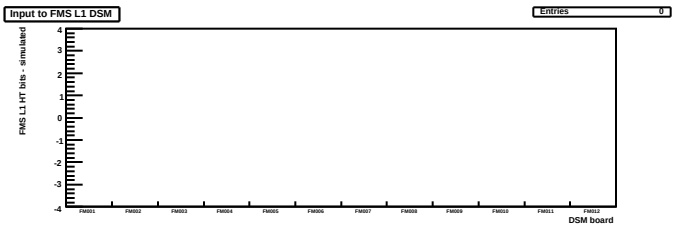

Input to FMS L1 DSM
Entries 3361548
sumAB
DSM board

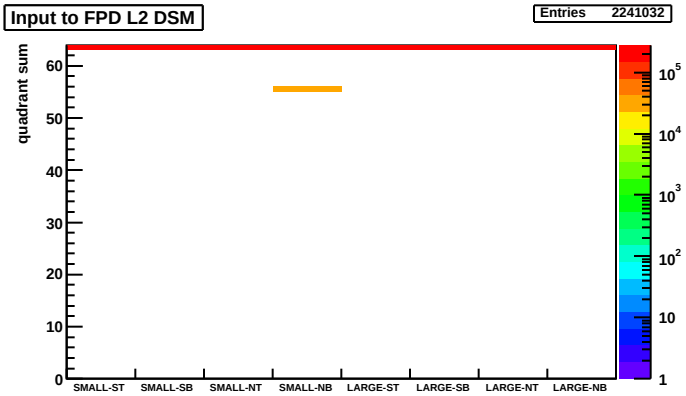

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

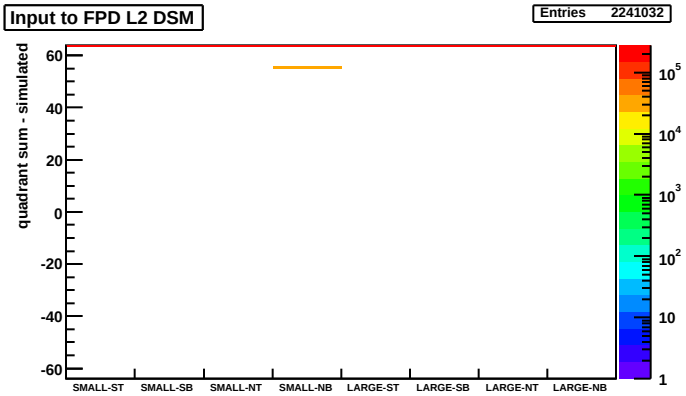

Input to FMS L1 DSM
Entries 3361548
sumA
DSM board

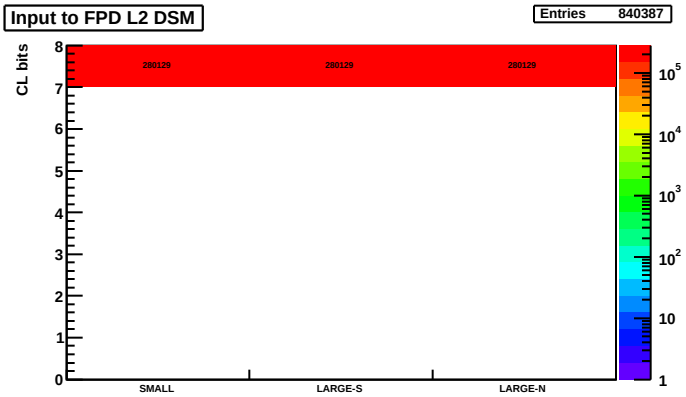

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

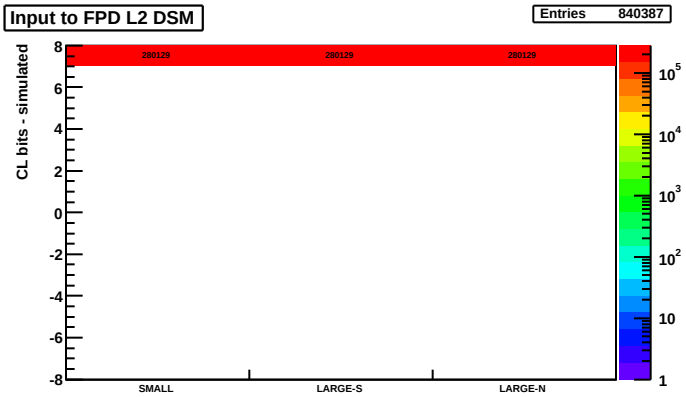

Input to FMS L1 DSM
Entries 3361548
FMS L1 HT bits
DSM board

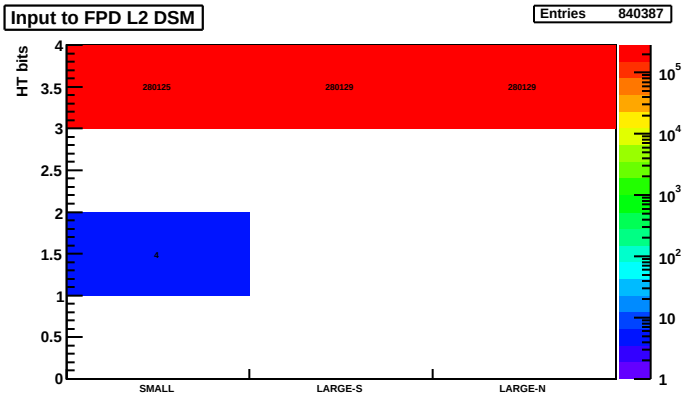

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

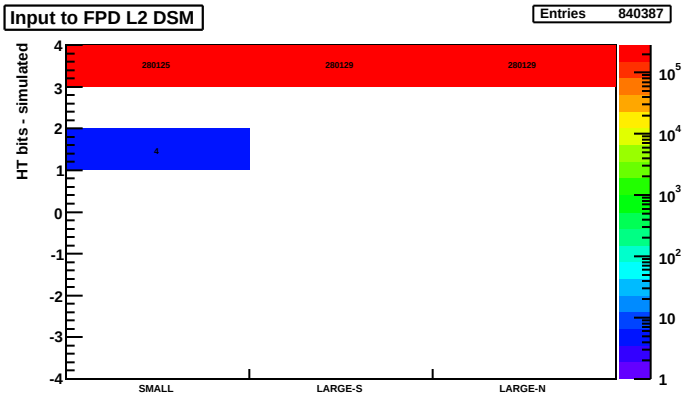

Input to FPD L2 DSM
Entries 2241032
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

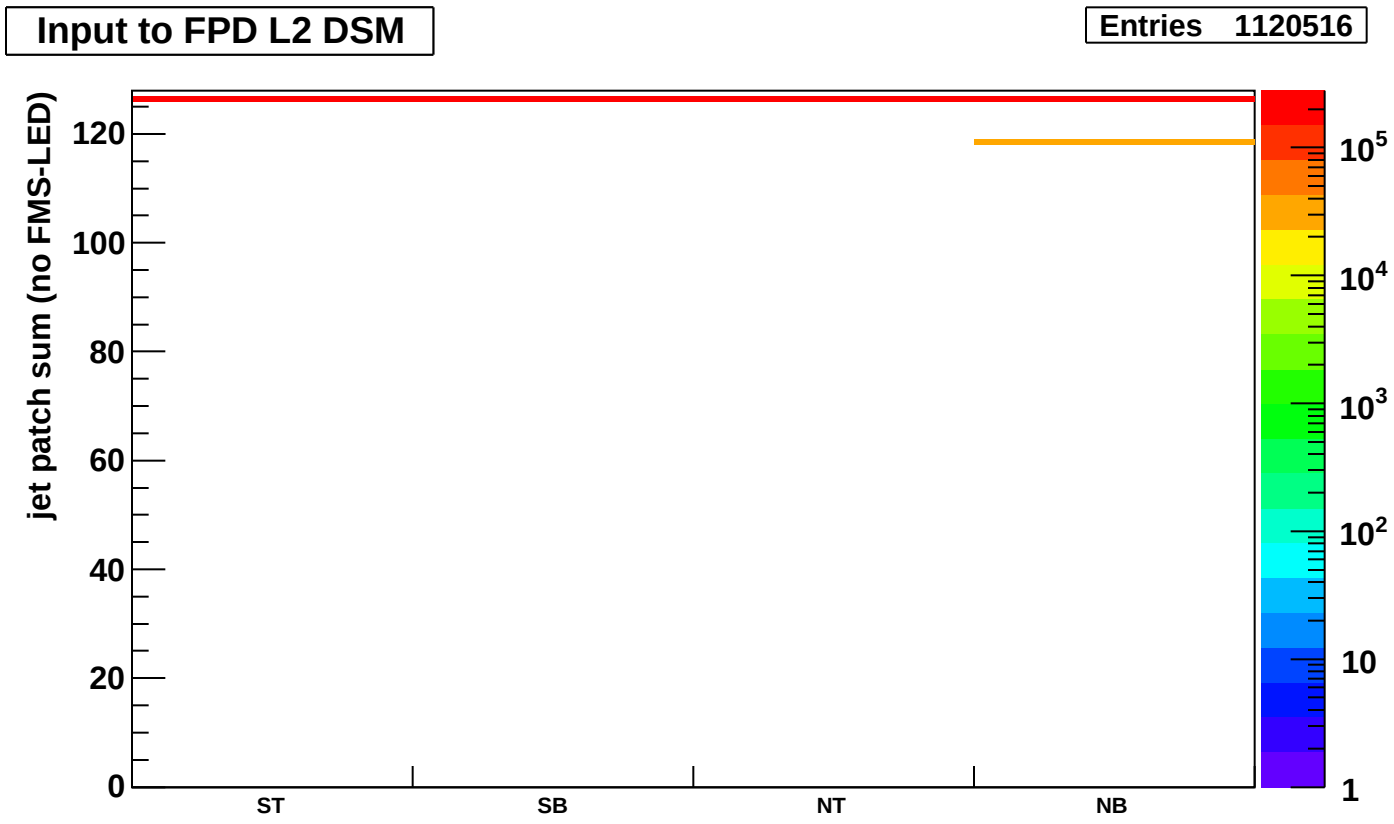

Input to FPD L2 DSM
Entries 2241032
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

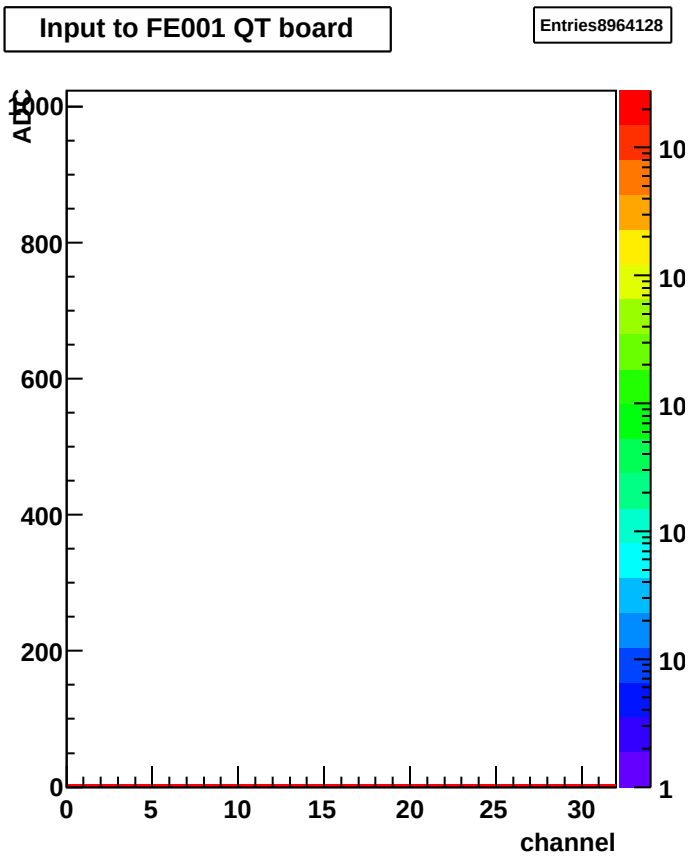

Input to FPD L2 DSM
Entries 840387
CL bits
280129
280129
280129
SMALL
LARGE-S
LARGE-N

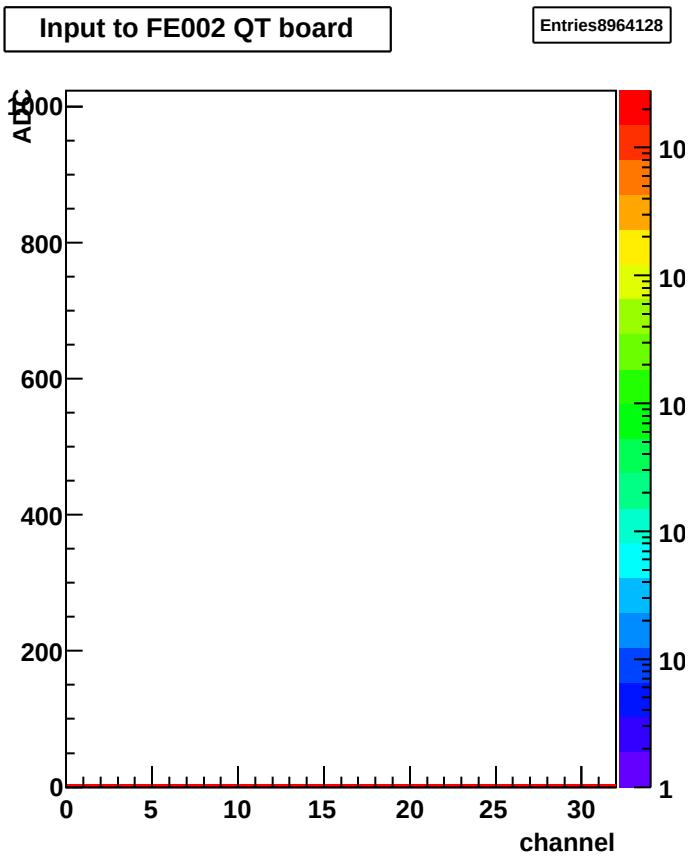

Input to FPD L2 DSM
Entries 840387
CL bits - simulated
280129
280129
280129
SMALL
LARGE-S
LARGE-N

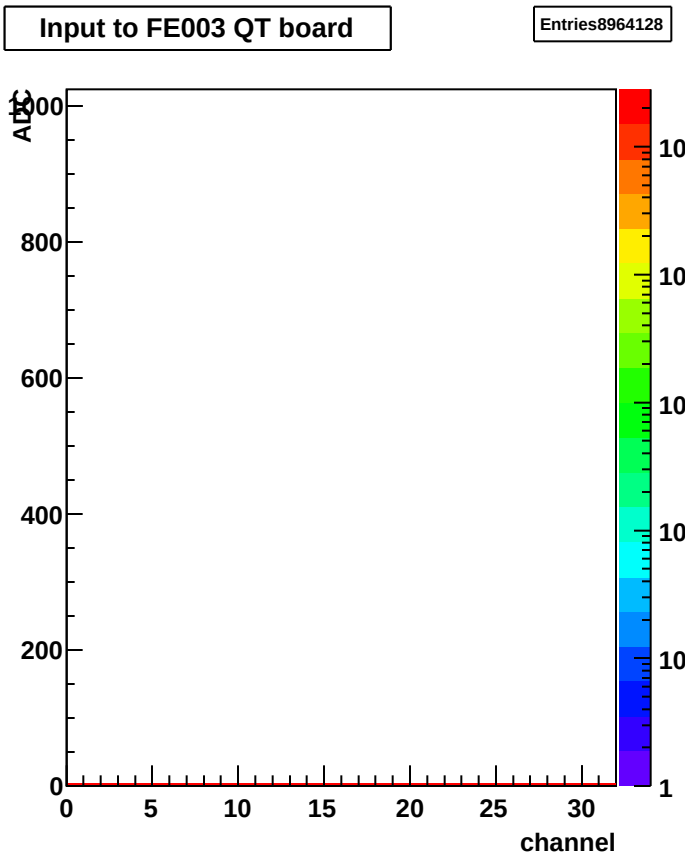

Input to FPD L2 DSM
Entries 840387
HT bits
280125
280129
280129
4
SMALL
LARGE-S
LARGE-N

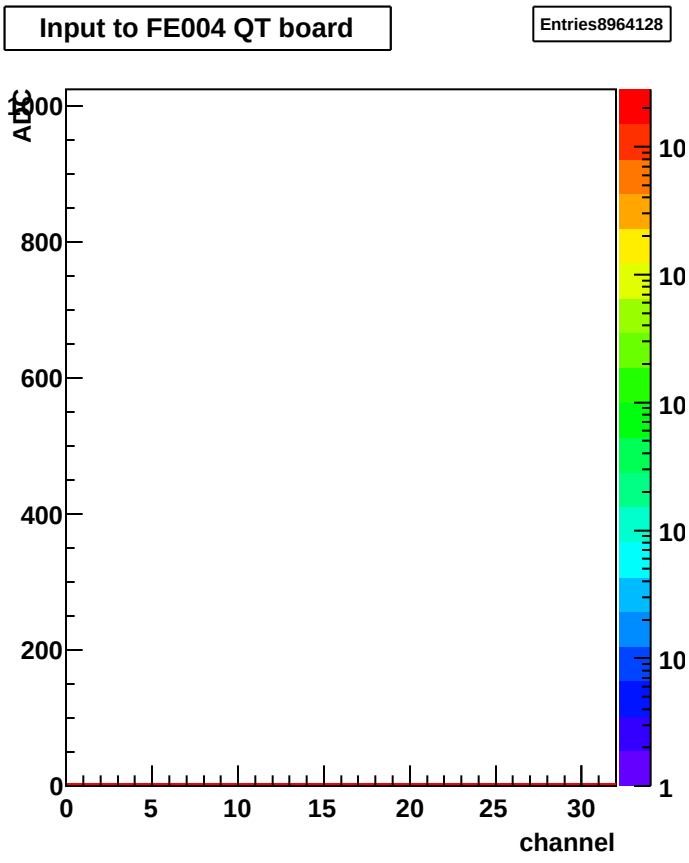

Input to FPD L2 DSM
Entries 840387
HT bits - simulated
280125
280129
280129
4
SMALL
LARGE-S
LARGE-N


Input to FPD L2 DSM
Entries 1120516
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

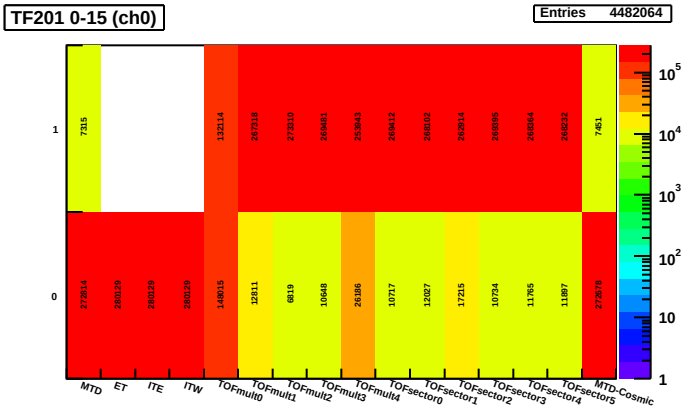

Input to FE001 QT board
Entries8964128
ADC
channel


Input to FE002 QT board
Entries8964128
ADC
channel

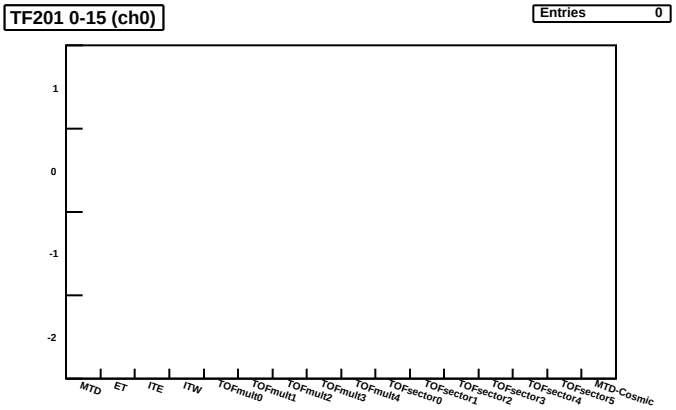

Input to FE003 QT board
Entries8964128
ADC
channel


Input to FE004 QT board
Entries8964128
ADC
channel

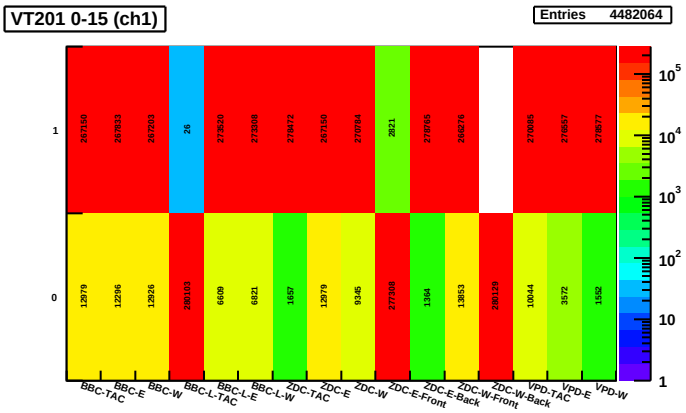
TF201 0-15 (ch0)



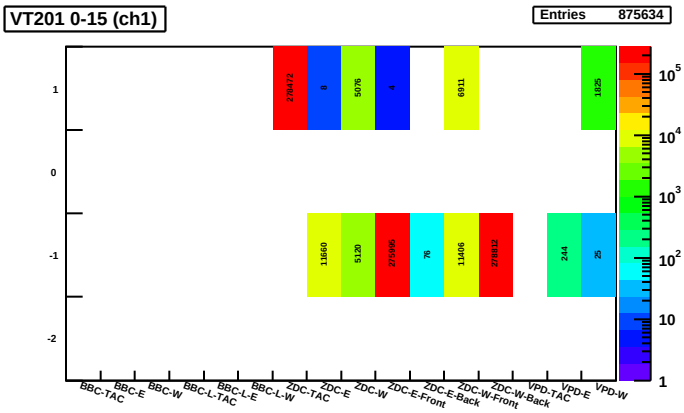
TF201 0-15 (ch0)



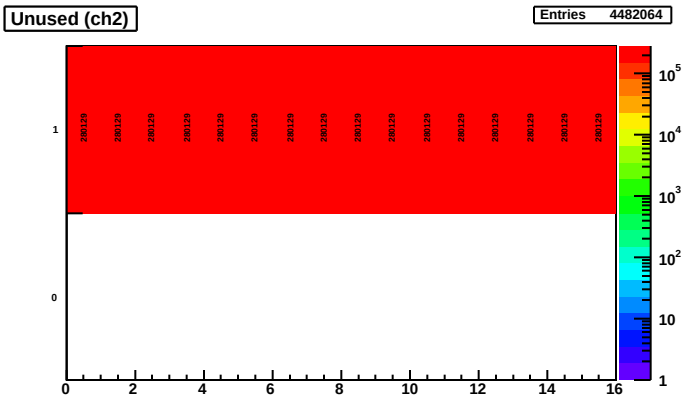
VT201 0-15 (ch1)

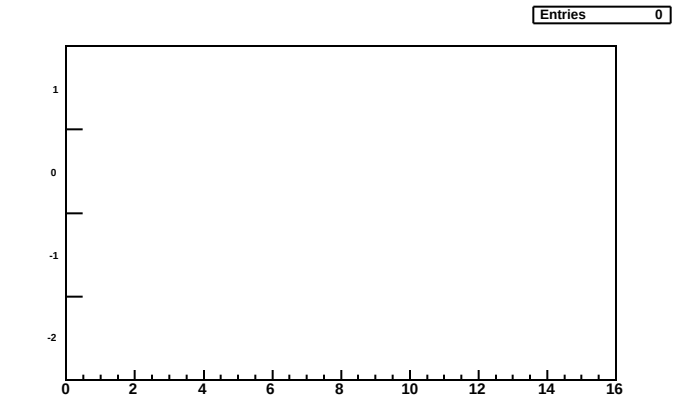


VT201 0-15 (ch1)

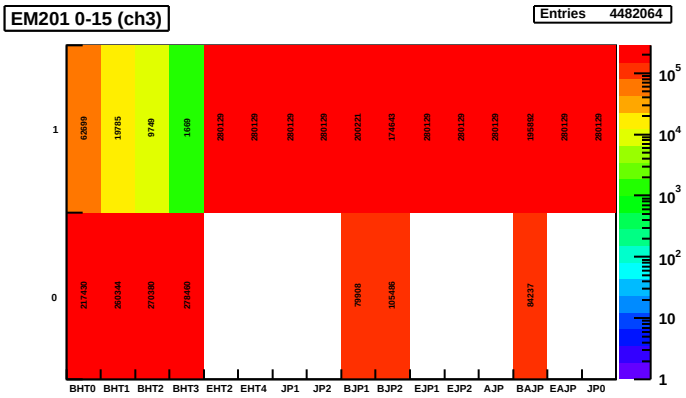


Unused (ch2)

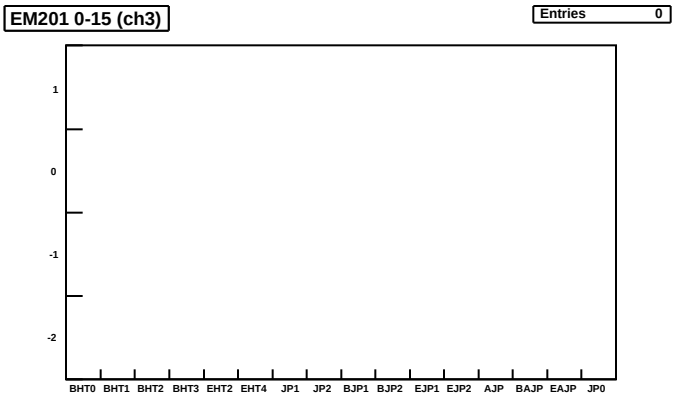




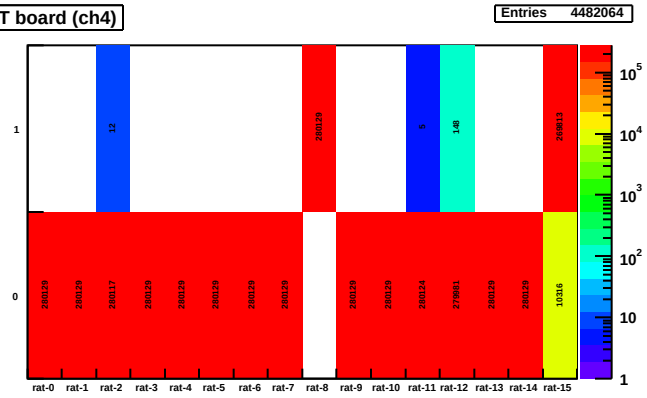
EM201 0-15 (ch3)

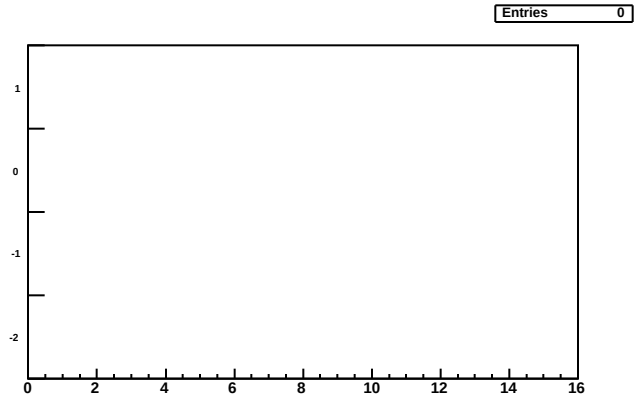


EM201 0-15 (ch3)

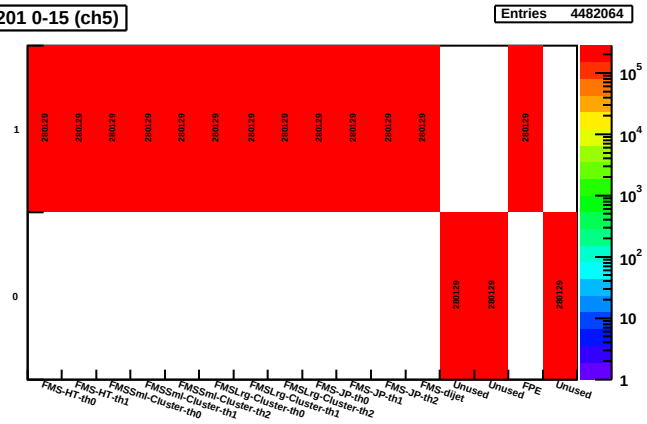


RAT board (ch4)

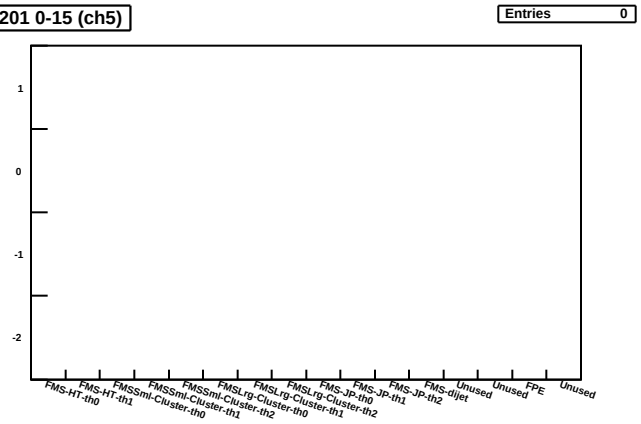




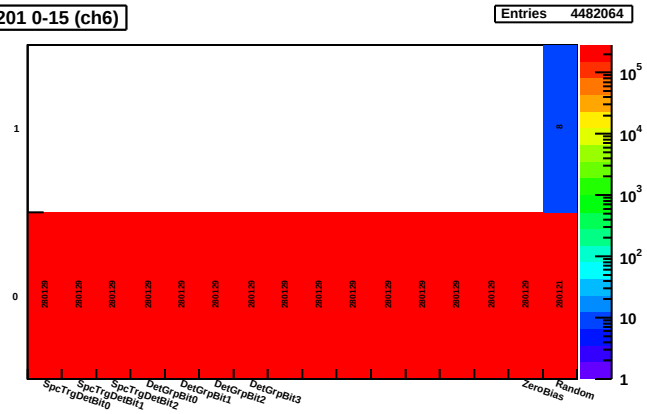
FP201 0-15 (ch5)

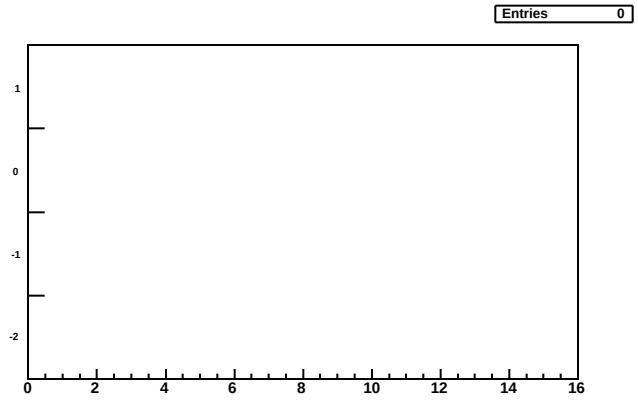
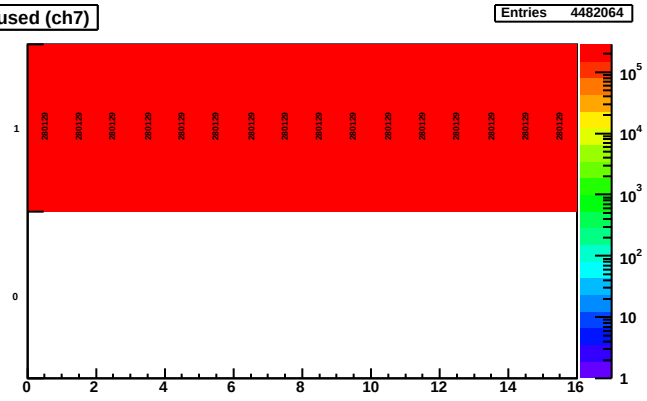
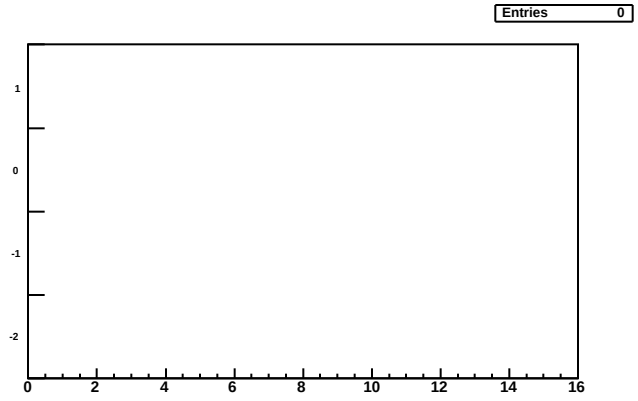


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)