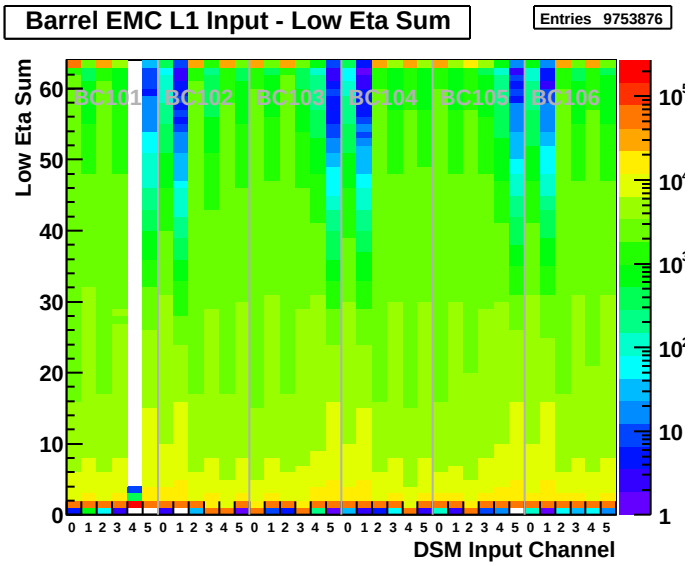
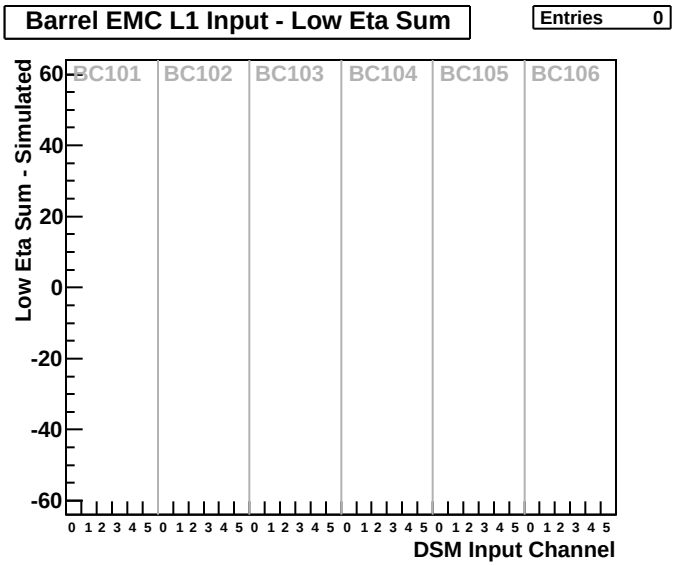
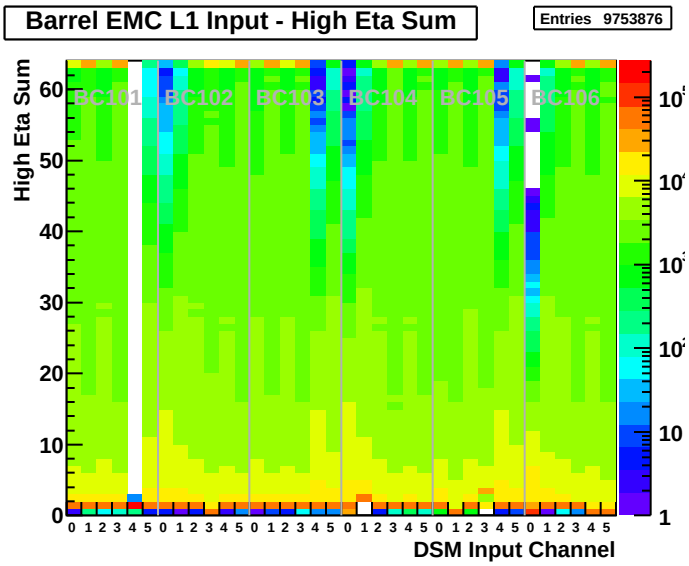
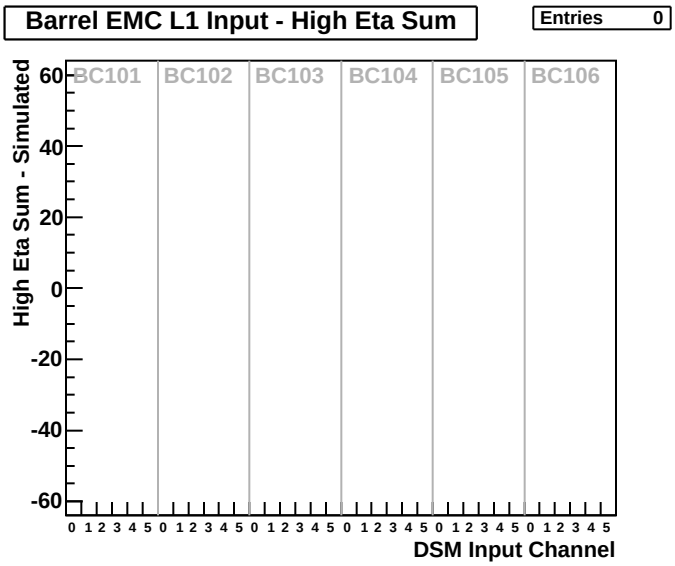
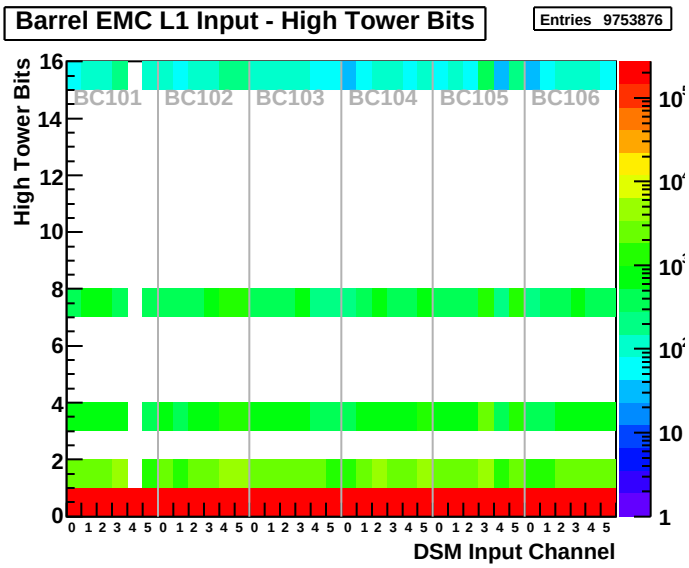
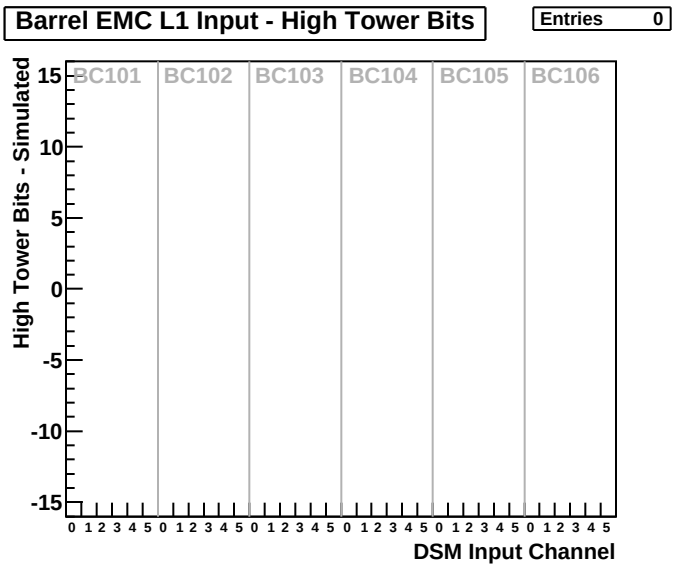

Barrel EMC L1 Input - Low Eta Sum
Entries 9753876
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

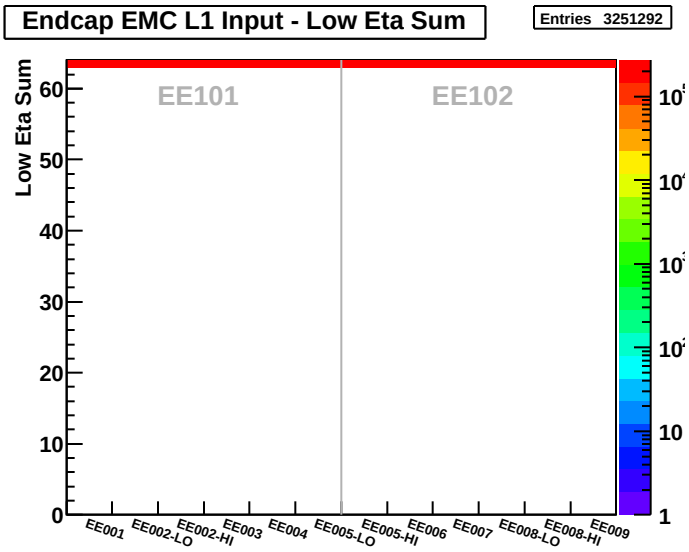

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

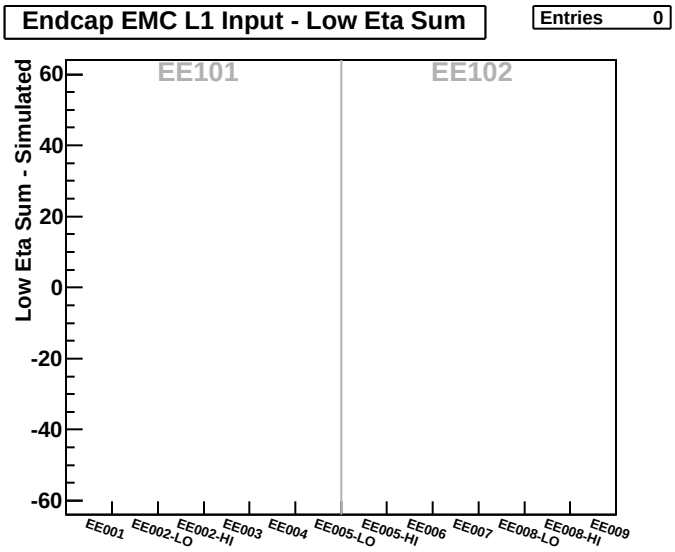

Barrel EMC L1 Input - High Eta Sum
Entries 9753876
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

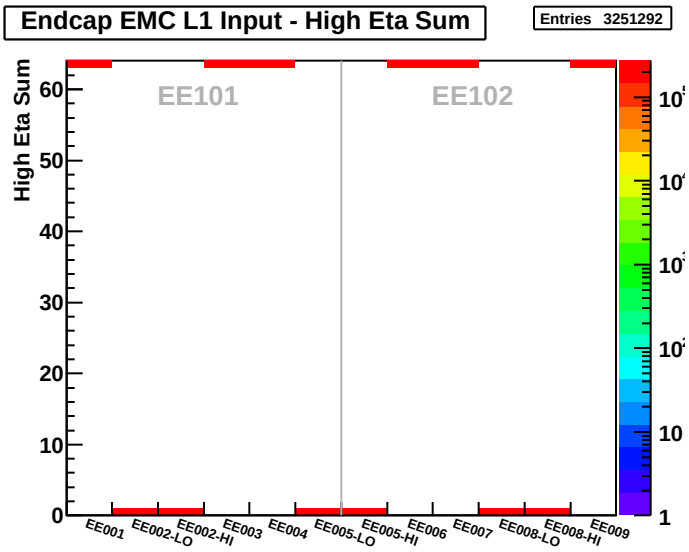

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

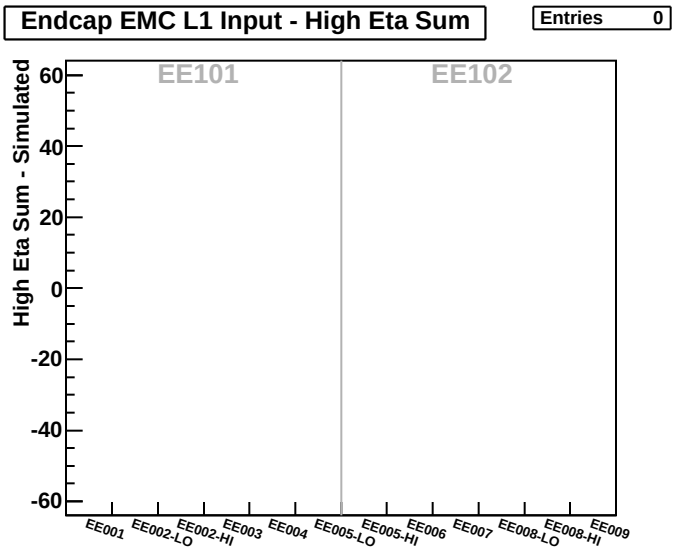

Barrel EMC L1 Input - High Tower Bits
Entries 9753876
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

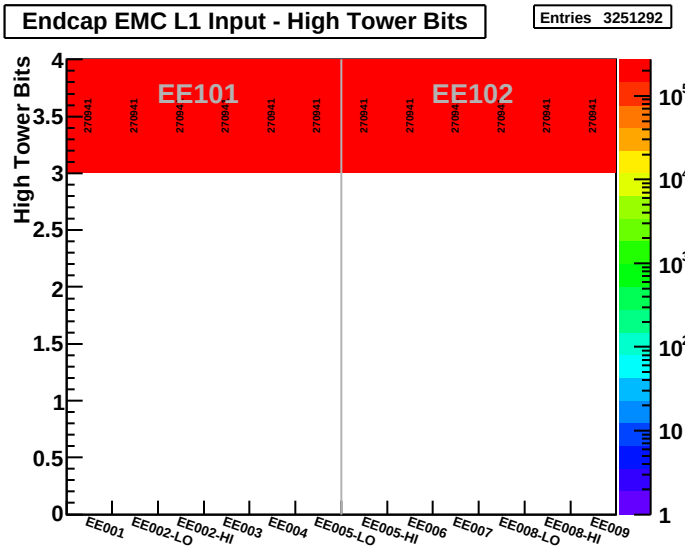

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

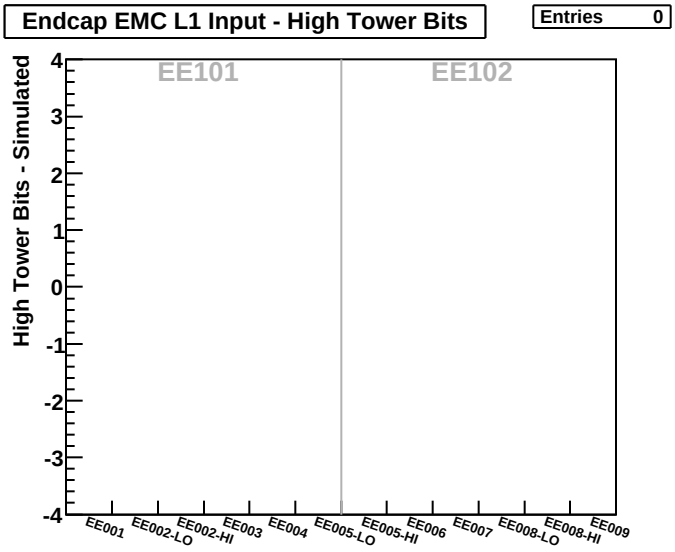

Endcap EMC L1 Input - Low Eta Sum
Entries 3251292
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

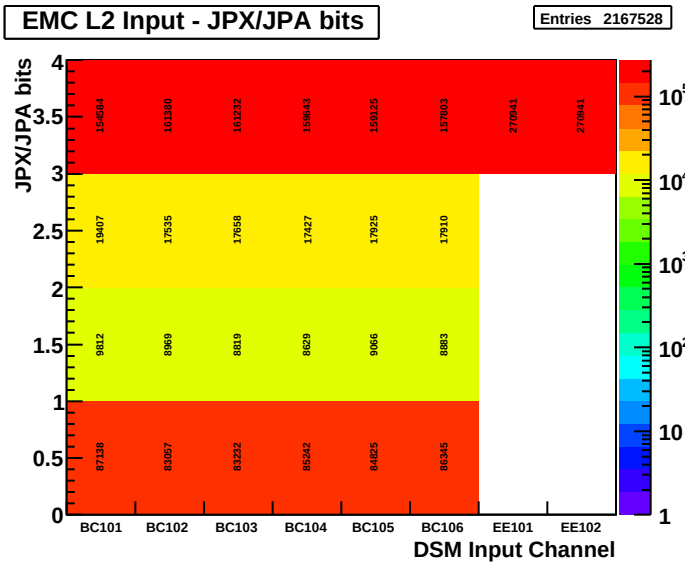

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

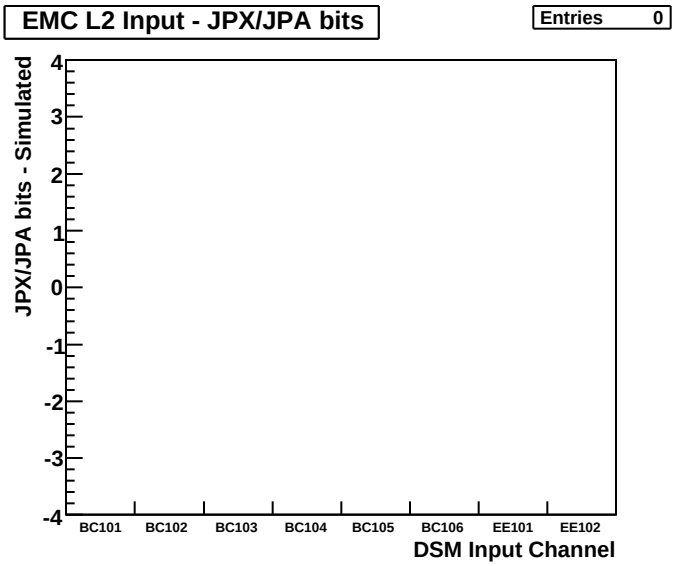

Endcap EMC L1 Input - High Eta Sum
Entries 3251292
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

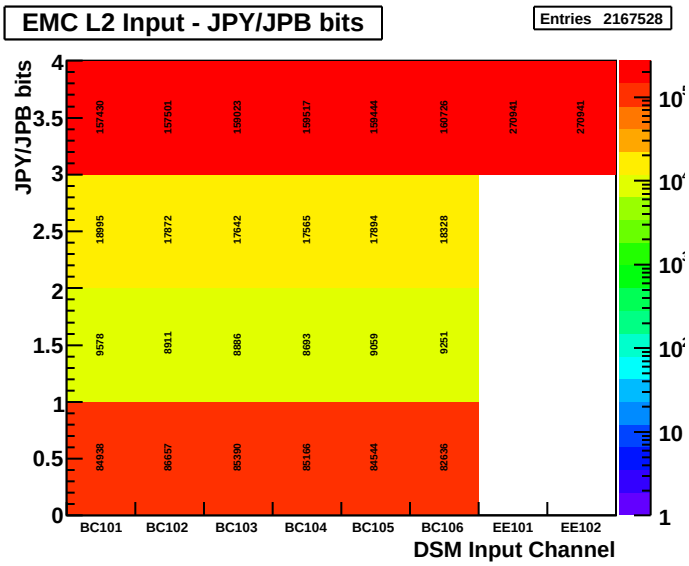

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

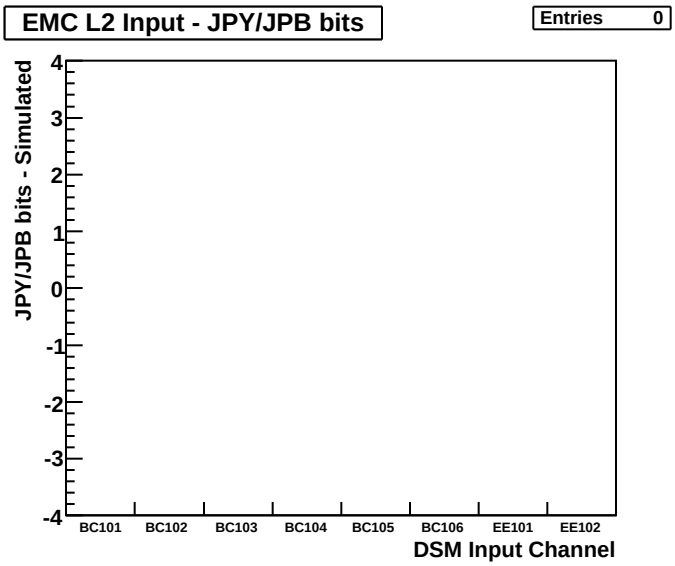

Endcap EMC L1 Input - High Tower Bits
Entries 3251292
High Tower Bits
EE101
EE102
270941
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

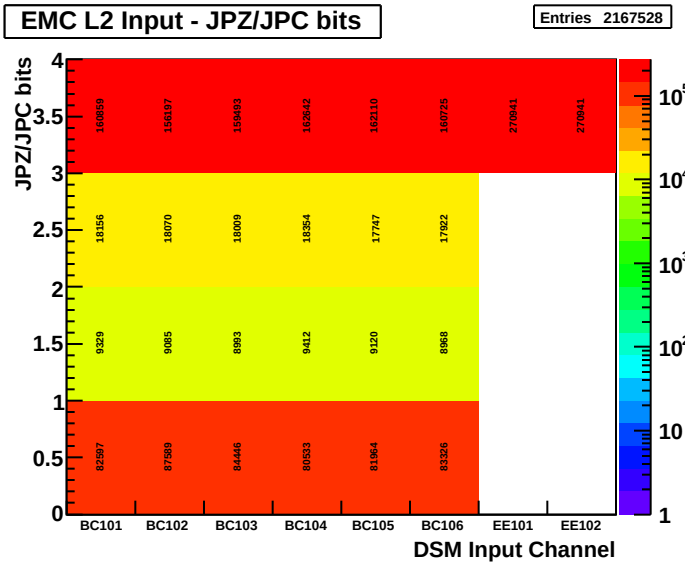

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

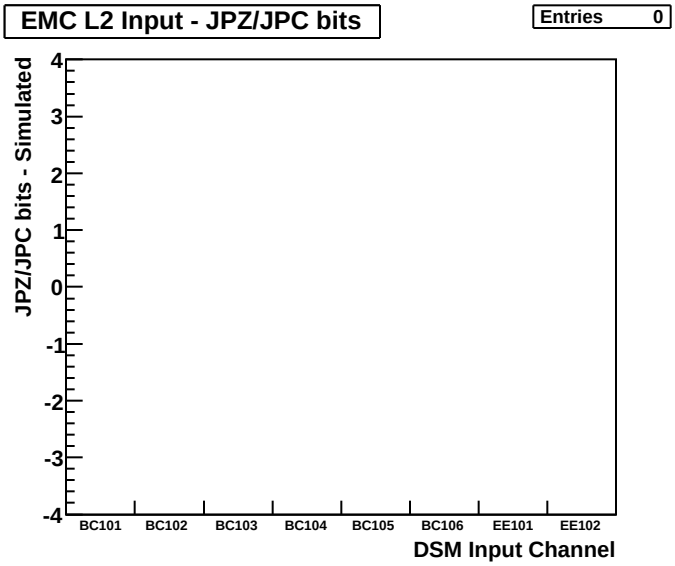

EMC L2 Input - JPX/JPA bits
Entries 2167528
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
154584 161380 161232 159643 159125 157803 270941 270941
19407 17535 17658 17427 17925 17910
9812 8969 8819 8629 9066 8883
87138 83057 83232 85242 84825 86345

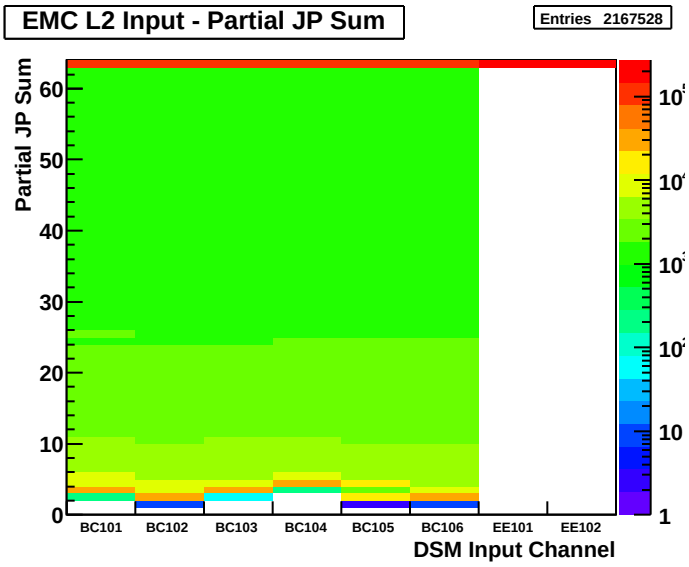

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

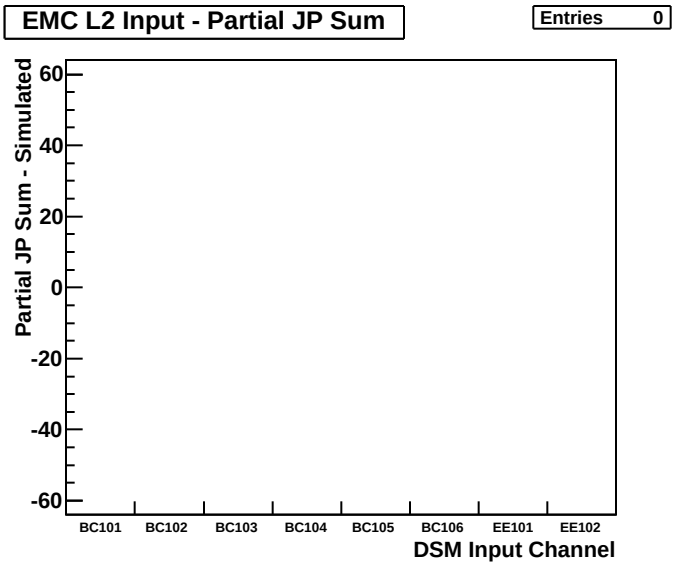

EMC L2 Input - JPY/JPB bits
Entries 2167528
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
157430 157501 159023 159517 159444 160726 270941 270941
18995 17872 17642 17565 17894 18328
9578 8911 8886 8693 9059 9251
84938 86657 85390 85166 84544 82636

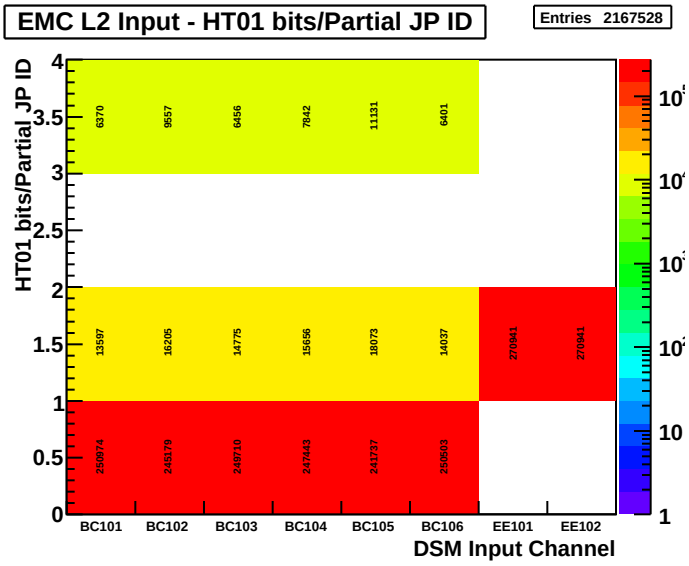

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

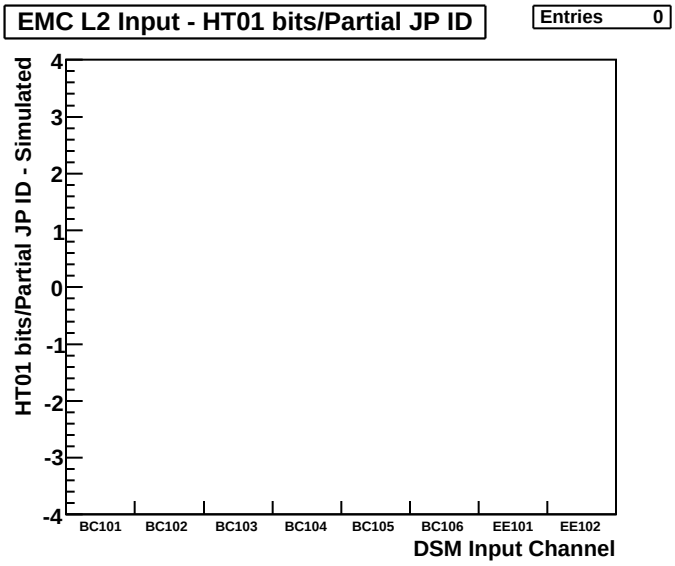

EMC L2 Input - JPZ/JPC bits
Entries 2167528
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
160659 156197 159493 162642 162110 160725 270941 270941
18156 18070 18009 18354 17747 17922
9329 9085 8993 9412 9120 8968
82997 87589 84446 80533 81964 83326

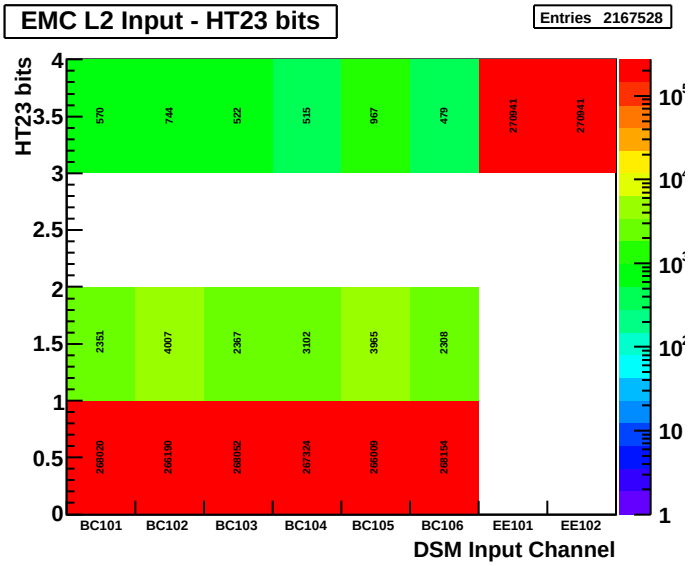

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

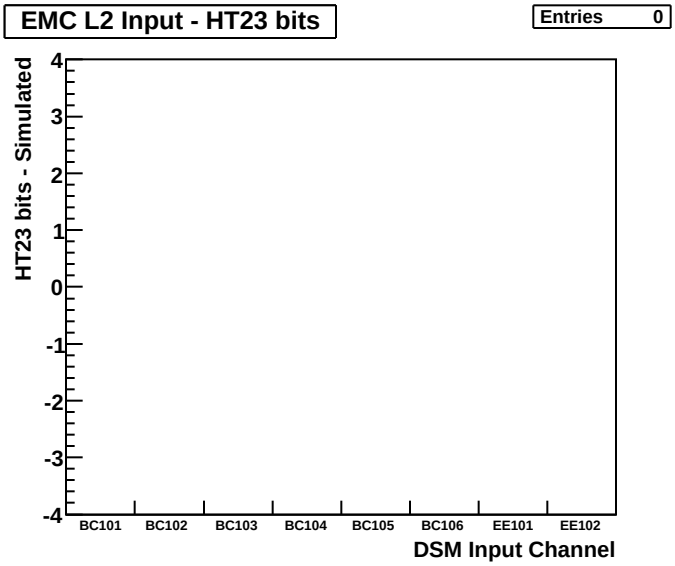

EMC L2 Input - Partial JP Sum
Entries 2167528
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

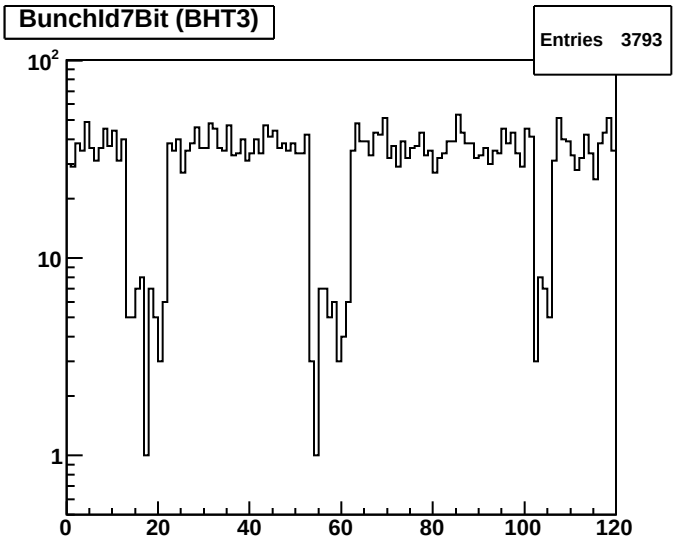

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

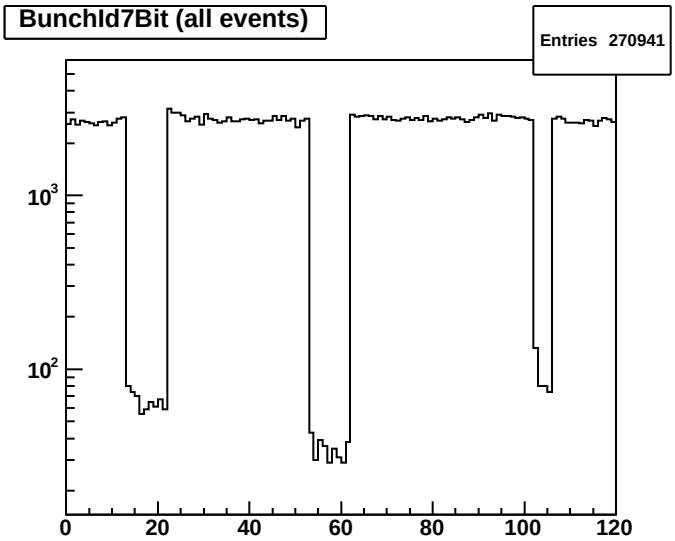

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2167528
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

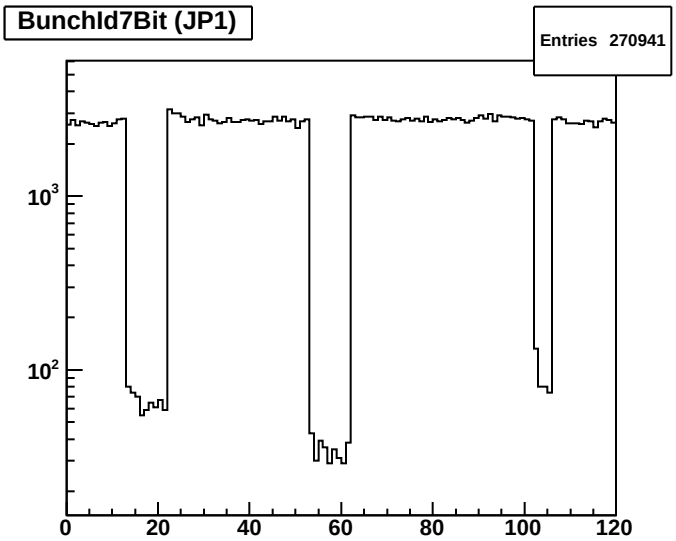

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

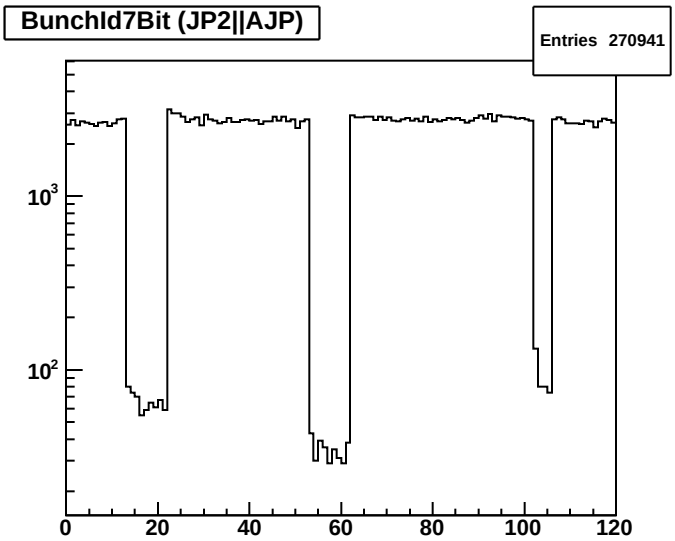

EMC L2 Input - HT23 bits
Entries 2167528
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

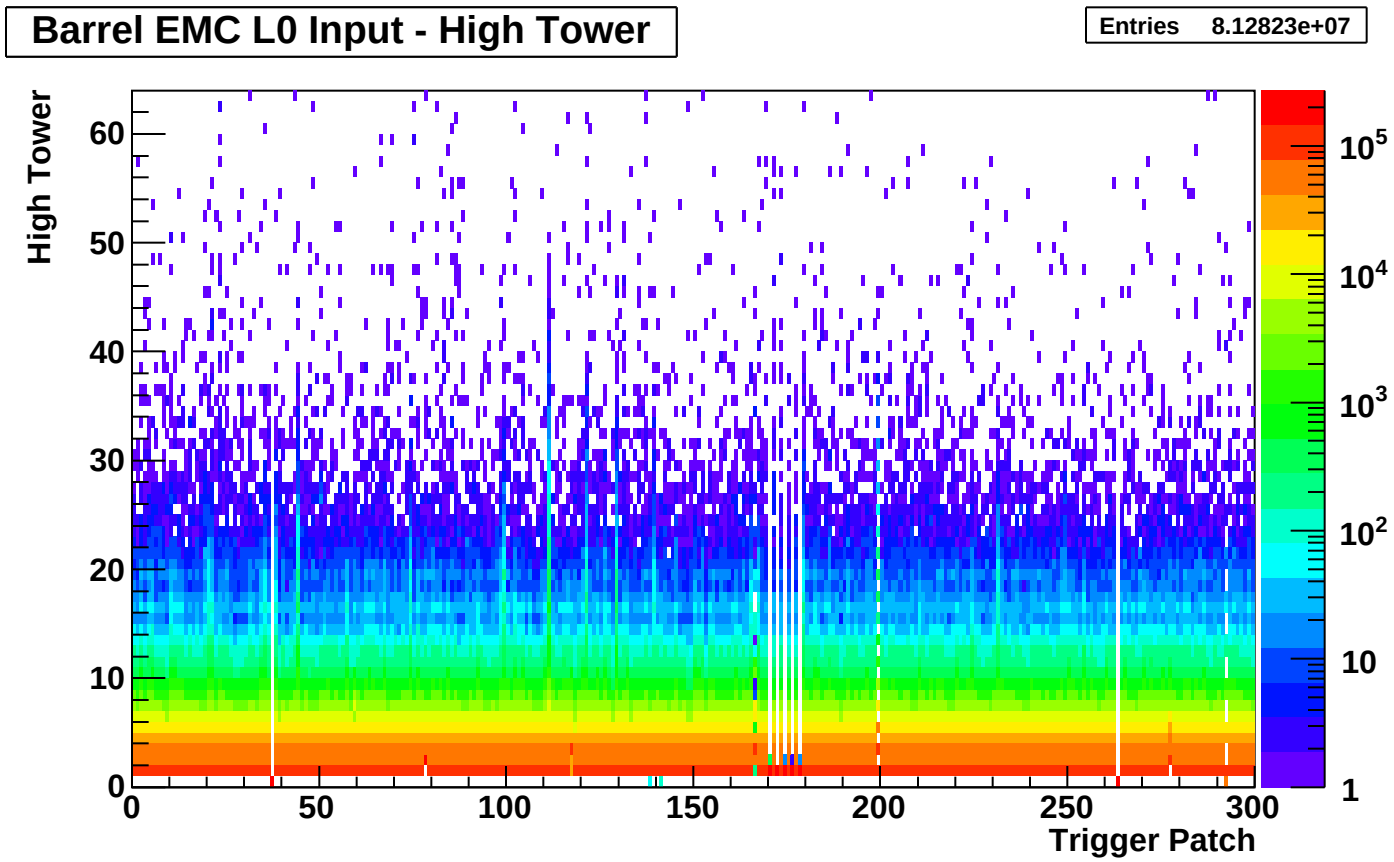

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

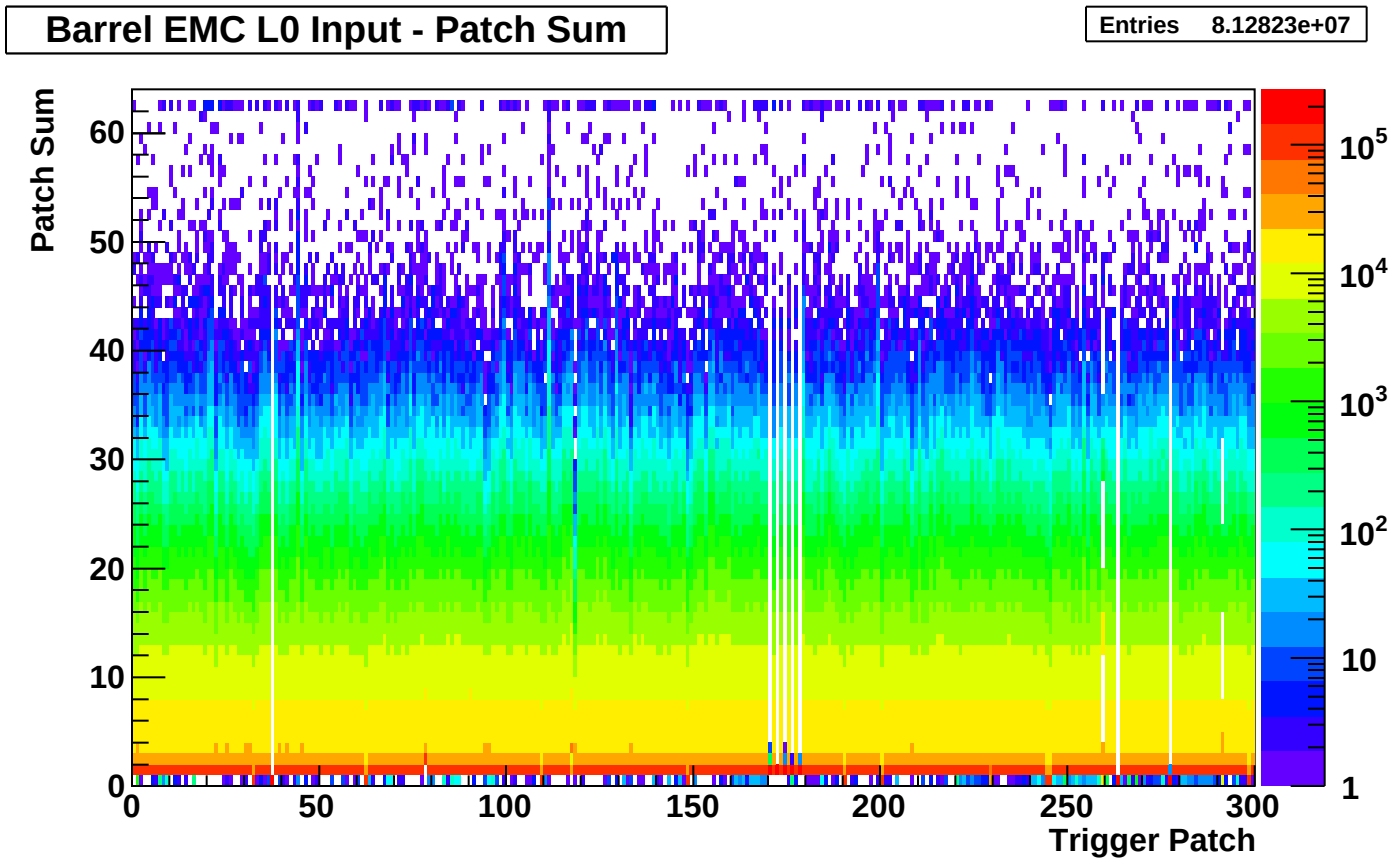

BunchId7Bit (BHT3)
Entries 3793
10^2
10
1
0
20
40
60
80
100
120

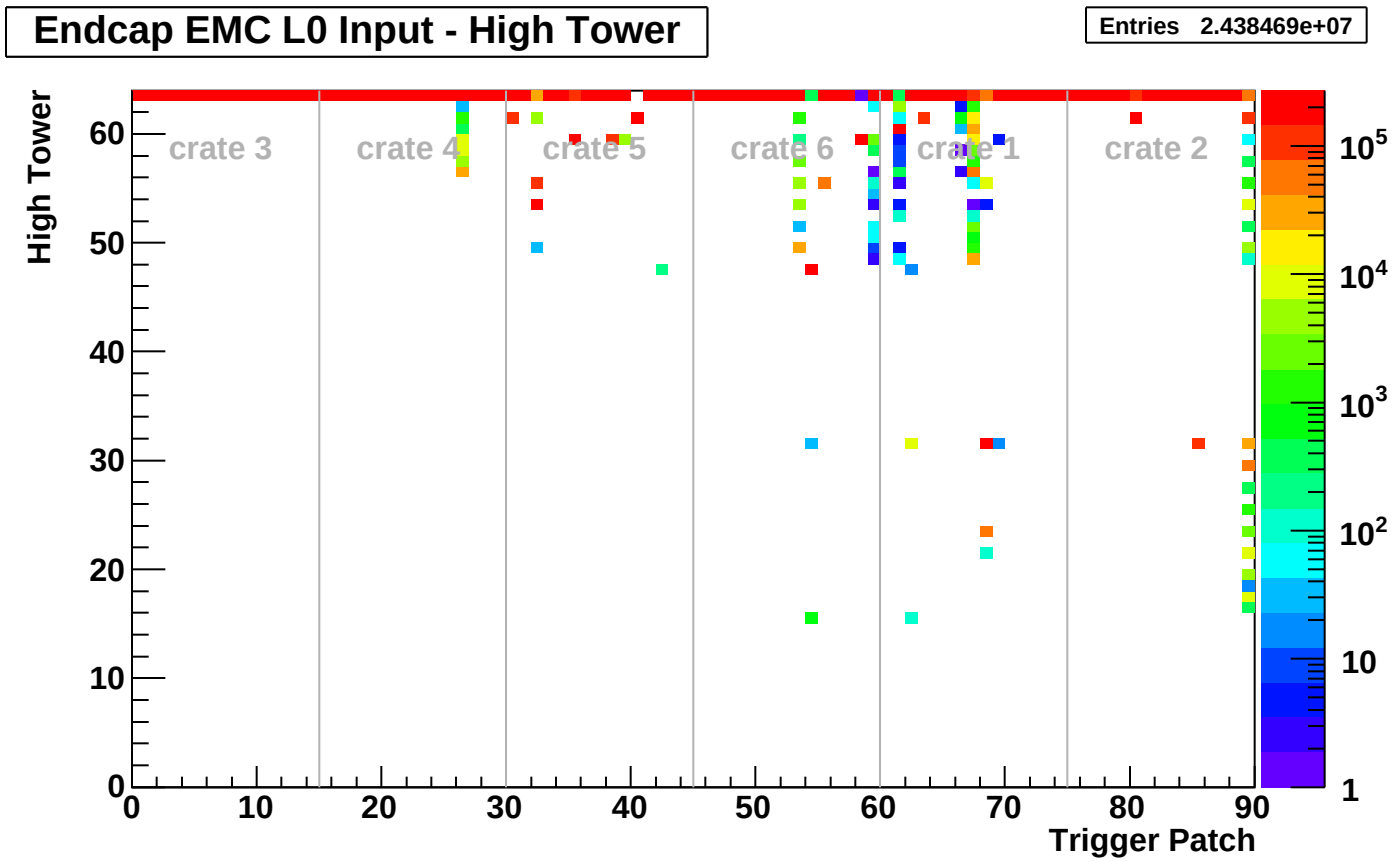

BunchId7Bit (all events)
Entries 270941
10^3
10^2
0
20
40
60
80
100
120

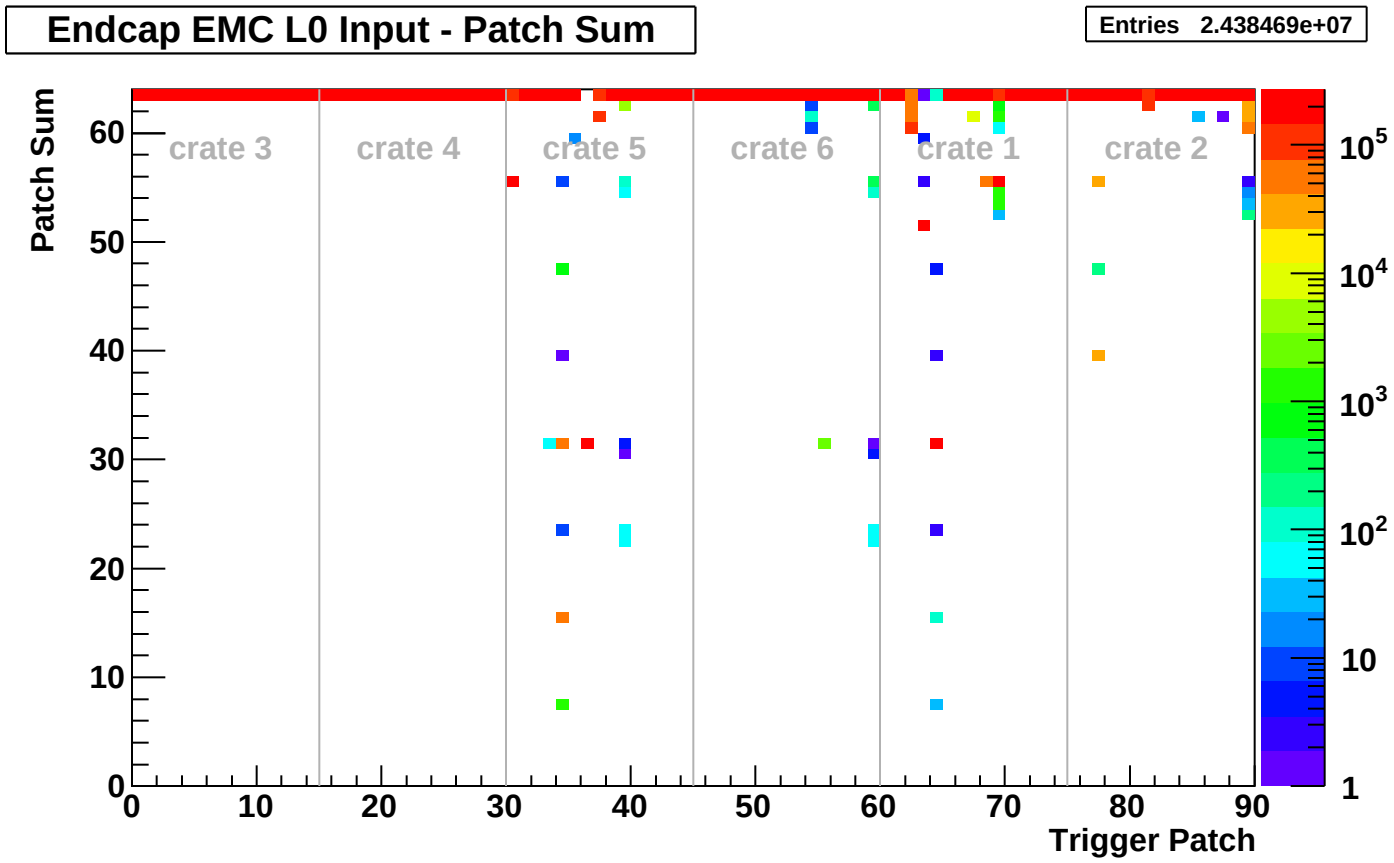

BunchId7Bit (JP1)
Entries 270941
10^3
10^2
0
20
40
60
80
100
120

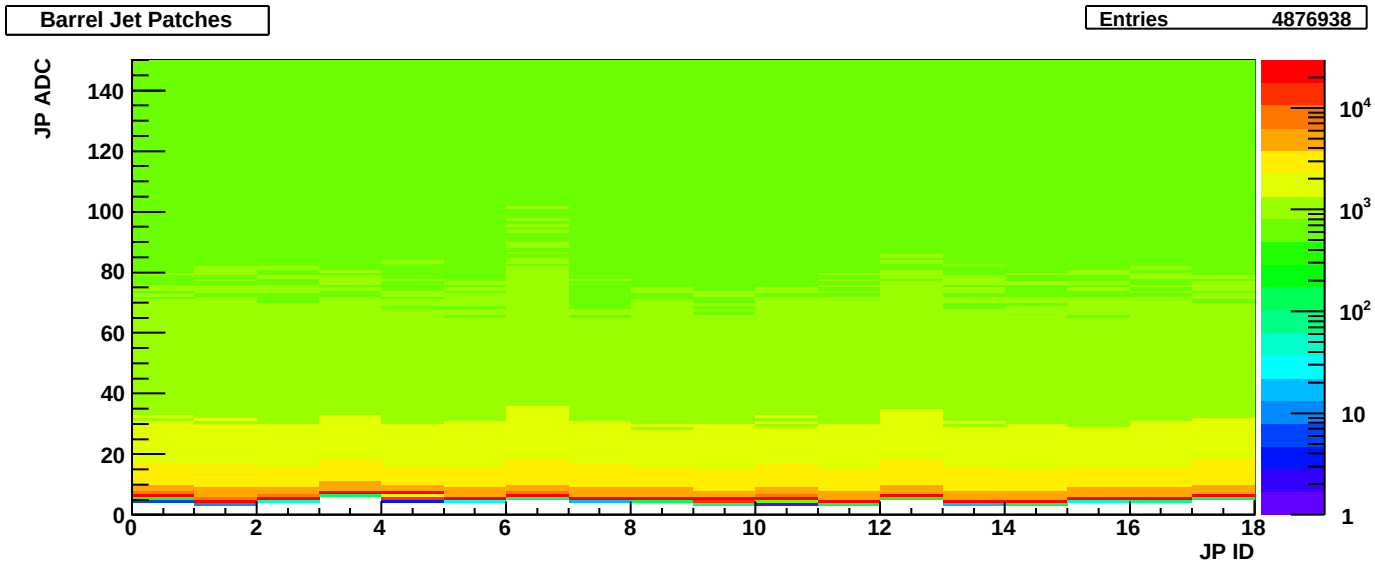

BunchId7Bit (JP2||AJP)
Entries 270941
10^3
10^2
0
20
40
60
80
100
120

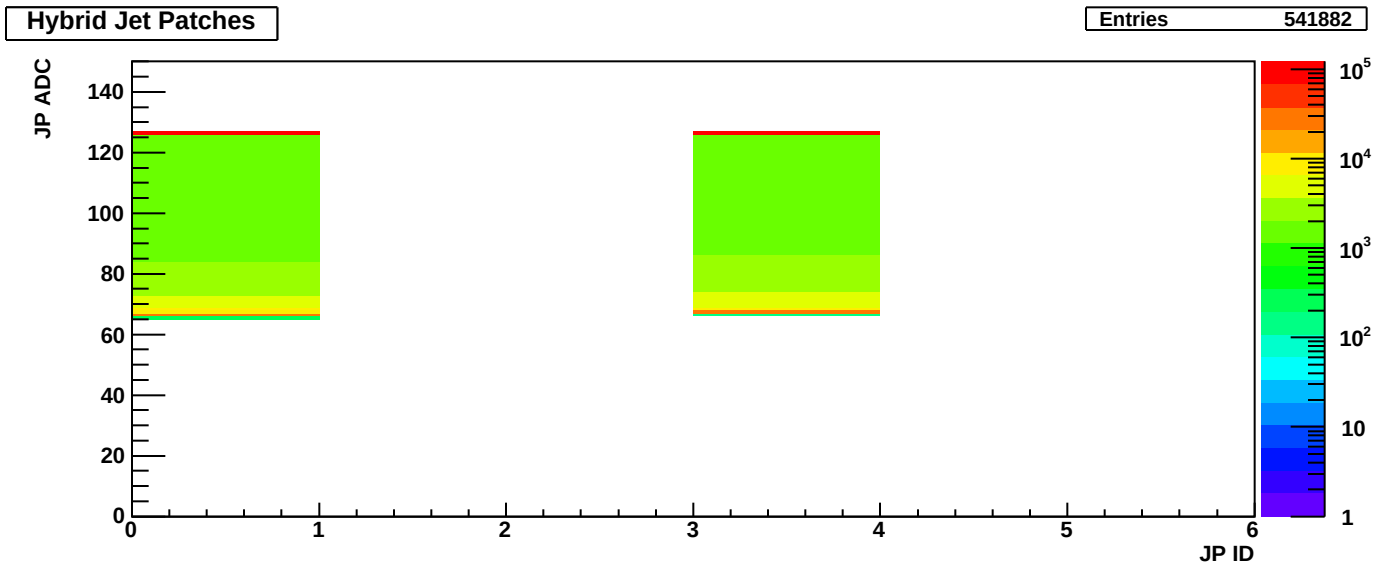

Barrel EMC L0 Input - High Tower
Entries 8.12823e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

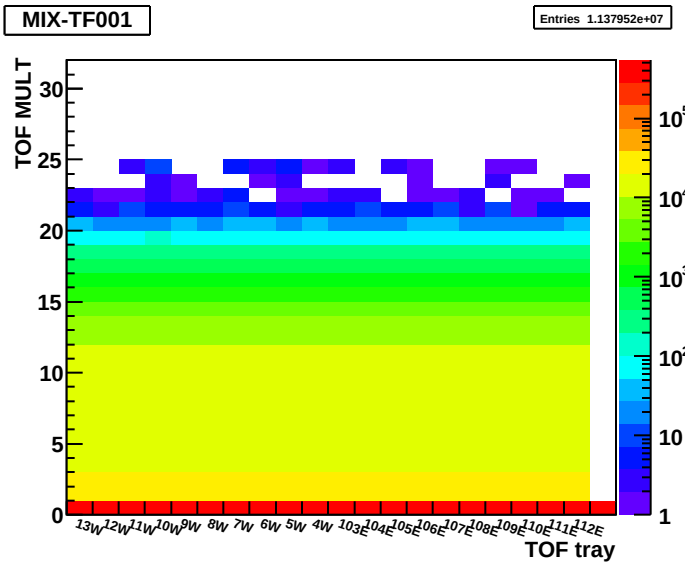

Barrel EMC L0 Input - Patch Sum
Entries 8.12823e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

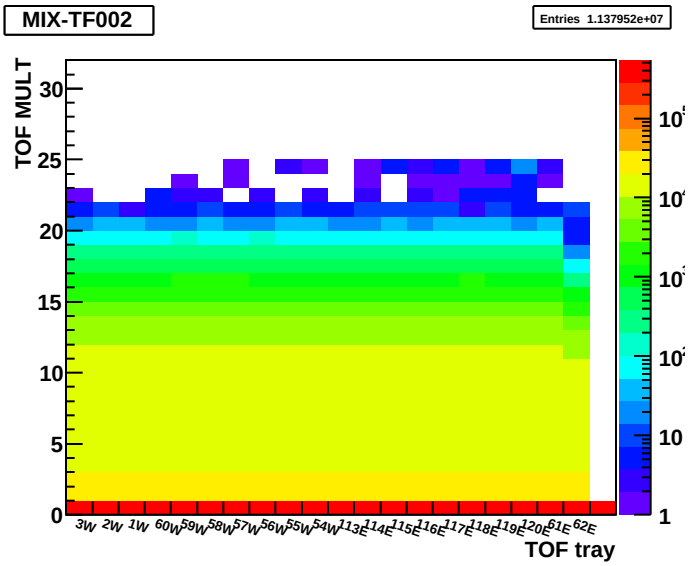

Endcap EMC L0 Input - High Tower
Entries 2.438469e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

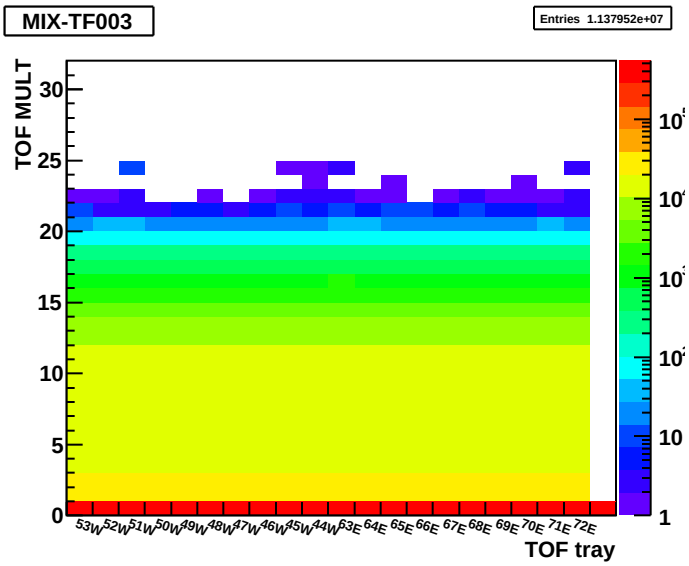

Endcap EMC L0 Input - Patch Sum
Entries 2.438469e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

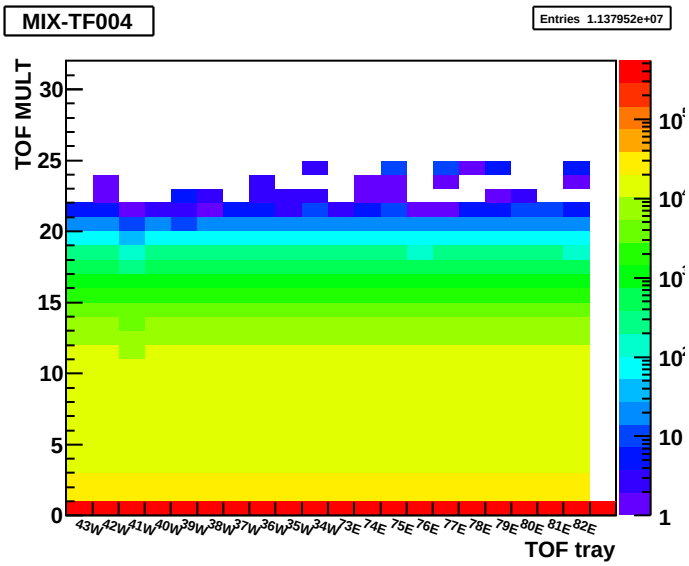

Barrel Jet Patches
Entries 4876938
JP ADC
JP ID

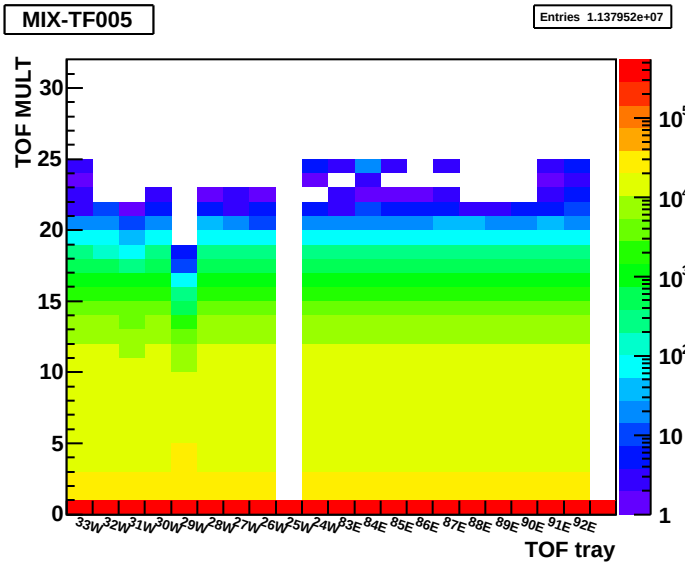

Hybrid Jet Patches
Entries 541882
JP ADC
JP ID

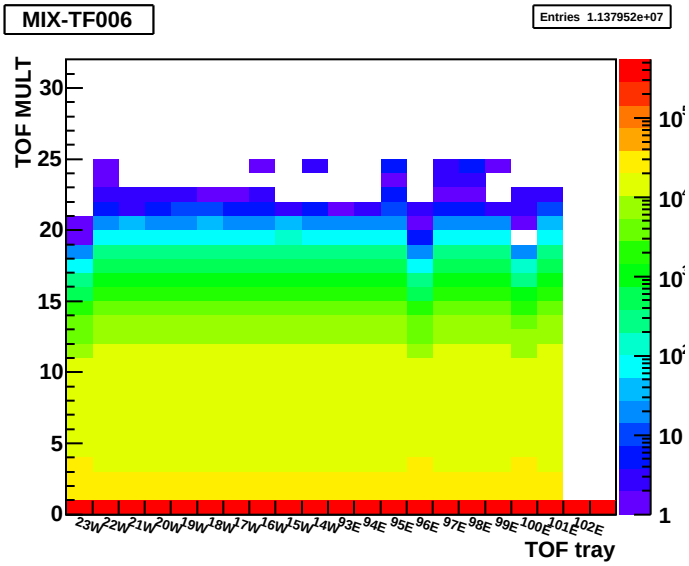

MIX-TF001
Entries 1.137952e+07
TOF MULT
TOF tray

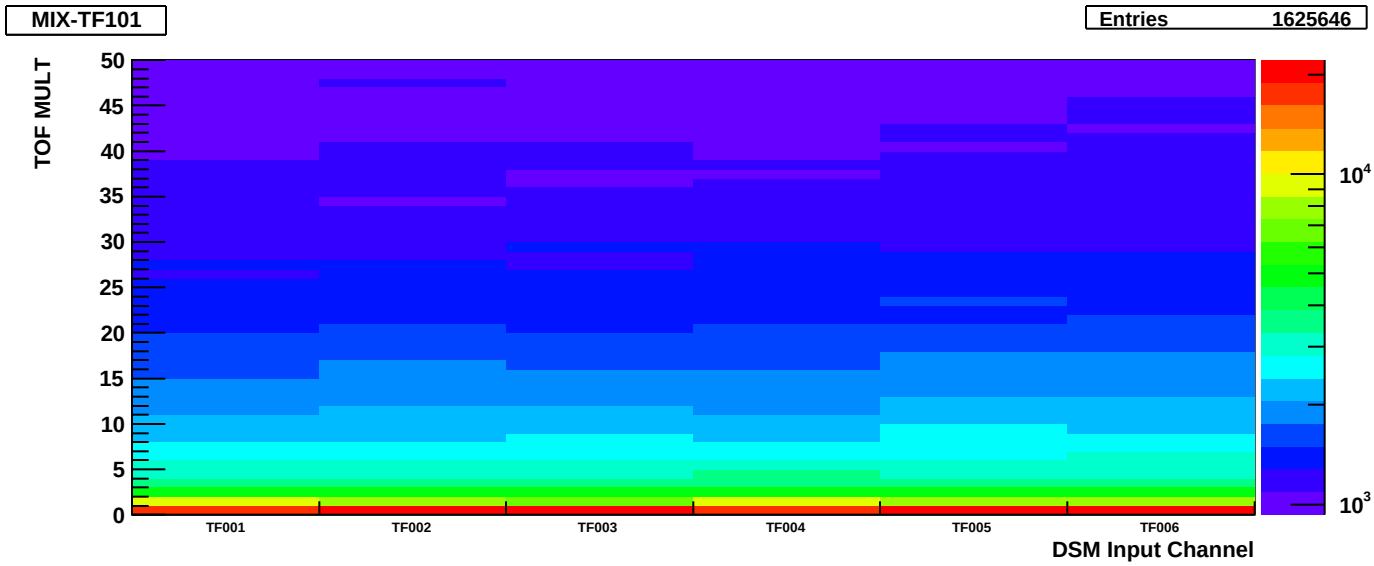

MIX-TF002
Entries 1.137952e+07
TOF MULT
TOF tray

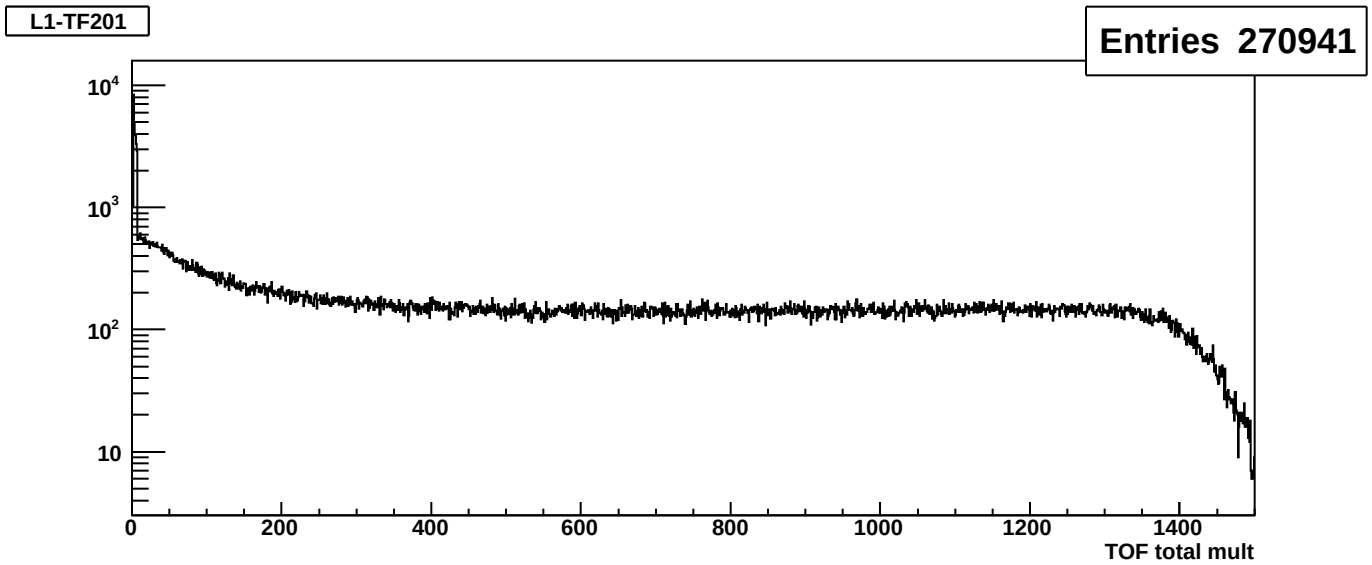

MIX-TF003
Entries 1.137952e+07
TOF MULT
TOF tray

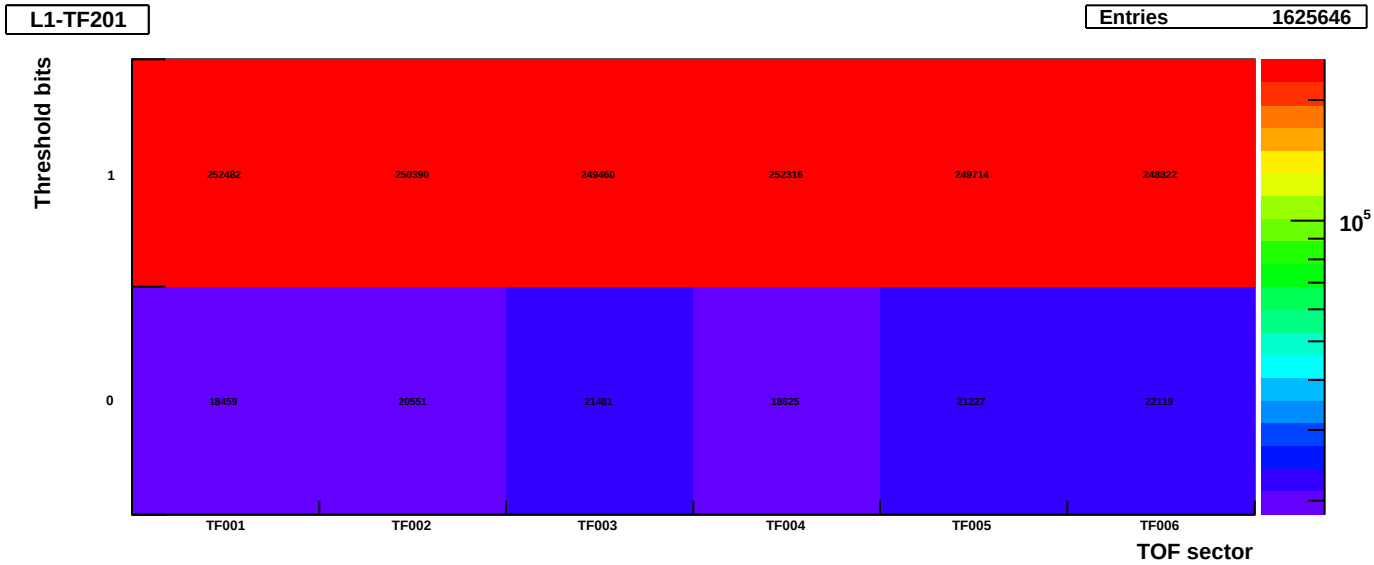

MIX-TF004
Entries 1.137952e+07
TOF MULT
TOF tray

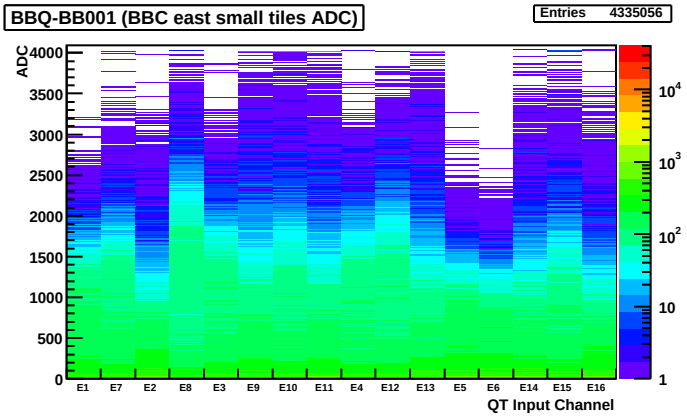

MIX-TF005
Entries 1.137952e+07
TOF MULT
TOF tray

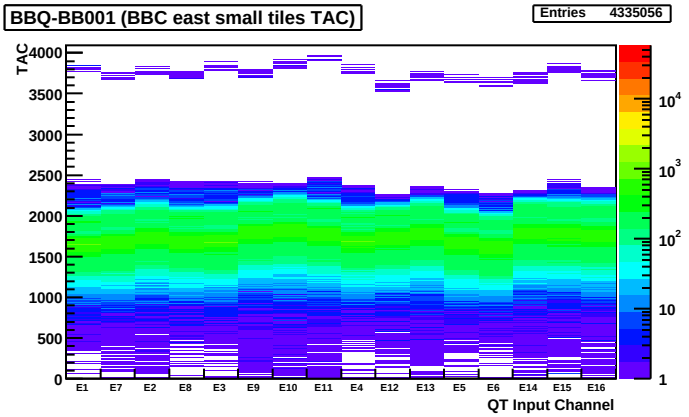

MIX-TF006
Entries 1.137952e+07
TOF MULT
TOF tray

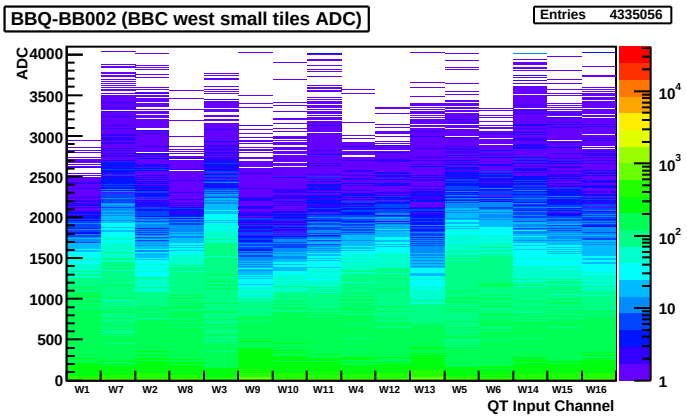

MIX-TF101
Entries 1625646
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3

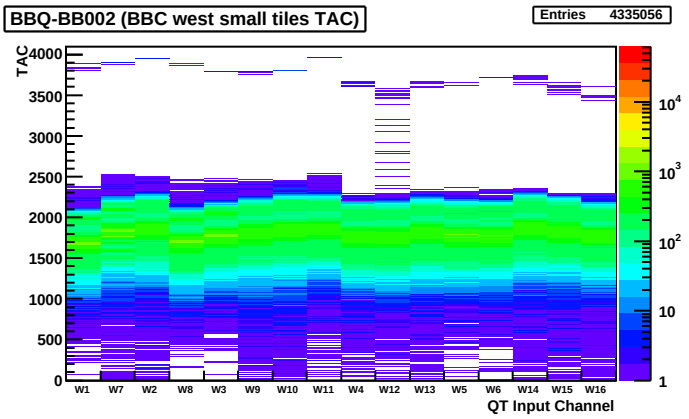

L1-TF201
Entries 270941
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

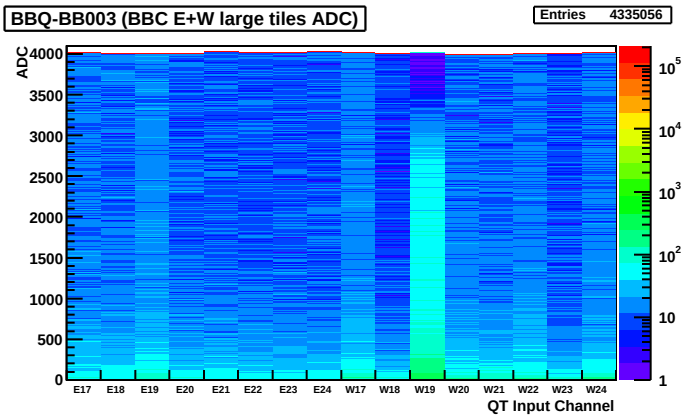

L1-TF201
Entries 1625646
Threshold bits
1
0
252482
250390
249460
252316
249714
248822
18459
20551
21481
18625
21227
22119
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

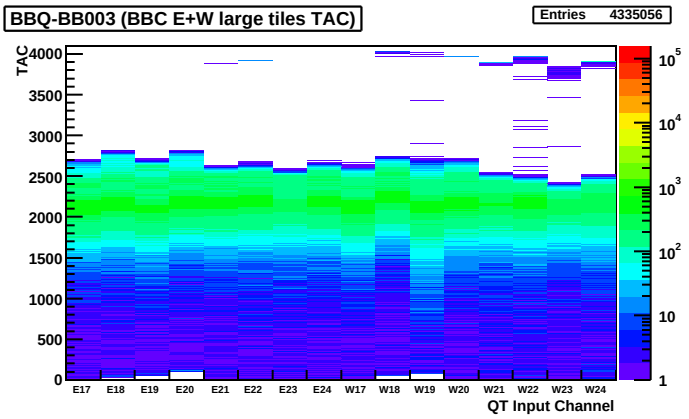

BBQ-BB001 (BBC east small tiles ADC)
Entries 4335056
ADC
QT Input Channel

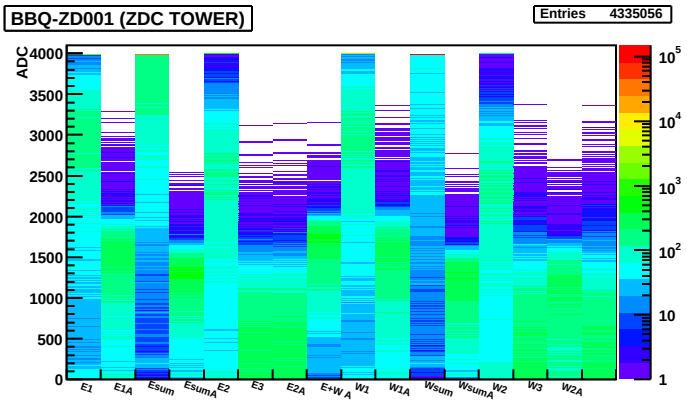

BBQ-BB001 (BBC east small tiles TAC)
Entries 4335056
TAC
QT Input Channel

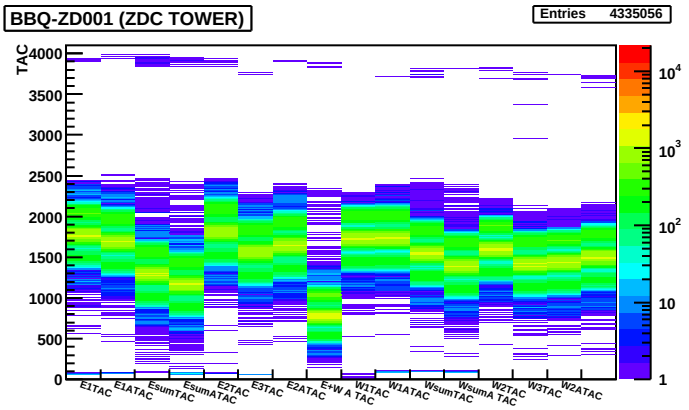

BBQ-BB002 (BBC west small tiles ADC)
Entries 4335056
ADC
QT Input Channel

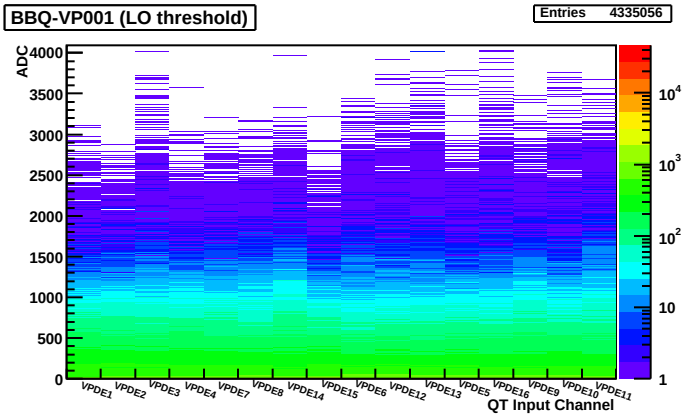

BBQ-BB002 (BBC west small tiles TAC)
Entries 4335056
TAC
QT Input Channel

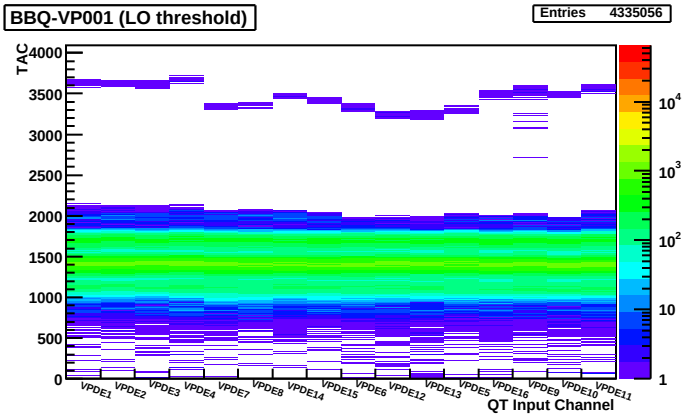

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 4335056
ADC
QT Input Channel

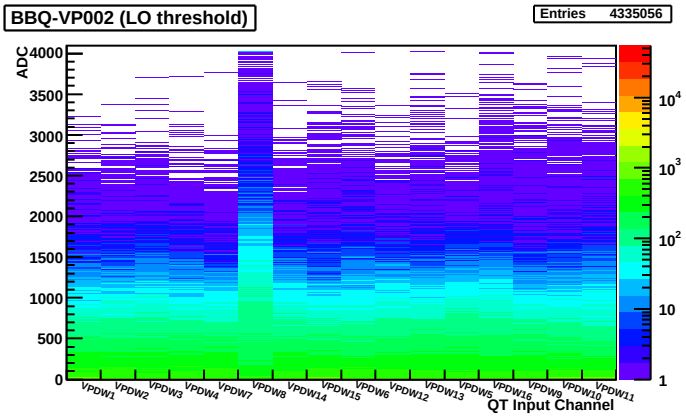

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 4335056
TAC
QT Input Channel

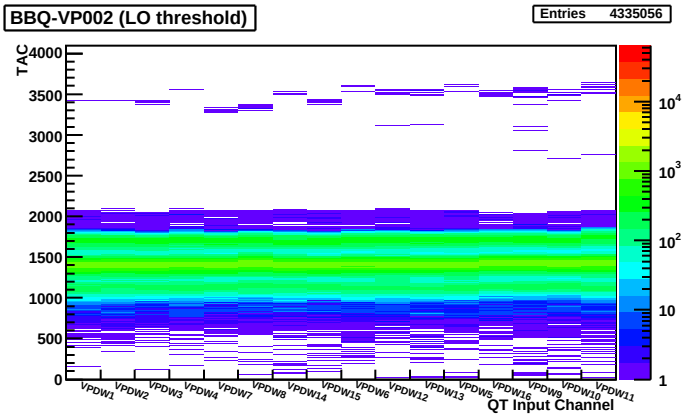

BBQ-ZD001 (ZDC TOWER)
Entries 4335056
ADC

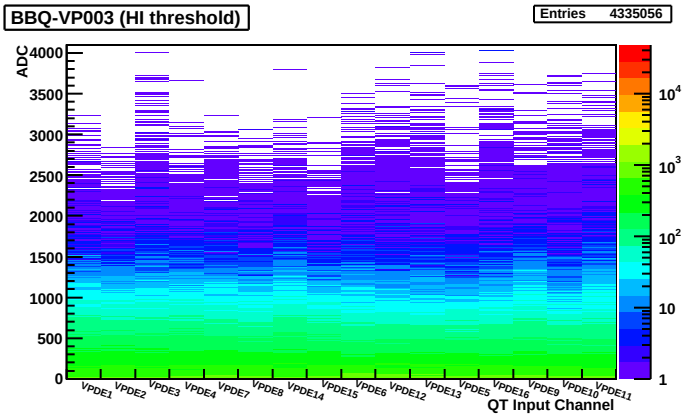

BBQ-ZD001 (ZDC TOWER)
Entries 4335056
TAC

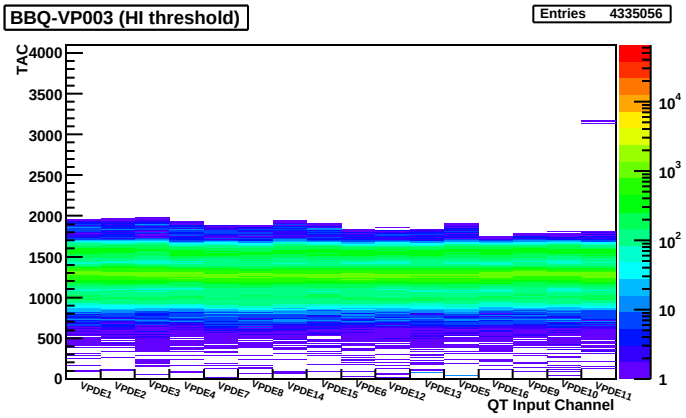

BBQ-VP001 (LO threshold)
Entries 4335056
ADC
QT Input Channel

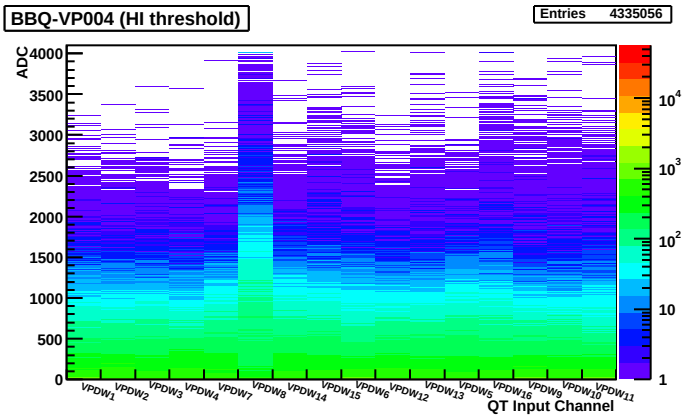

BBQ-VP001 (LO threshold)
Entries 4335056
TAC
QT Input Channel

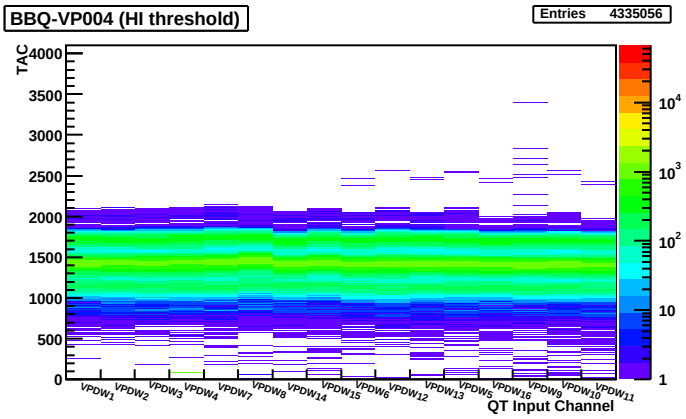

BBQ-VP002 (LO threshold)
Entries 4335056
ADC
QT Input Channel

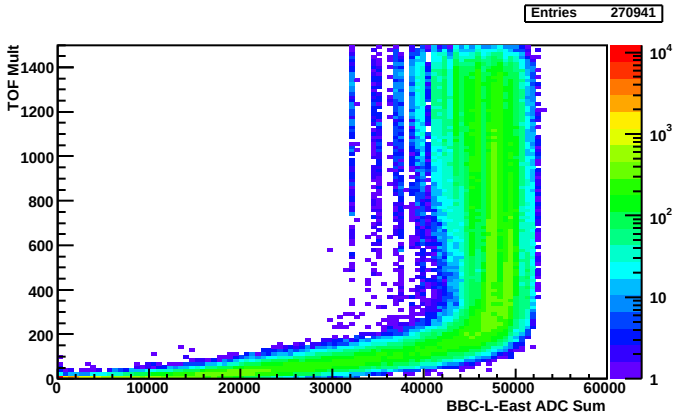

BBQ-VP002 (LO threshold)
Entries 4335056
TAC
QT Input Channel

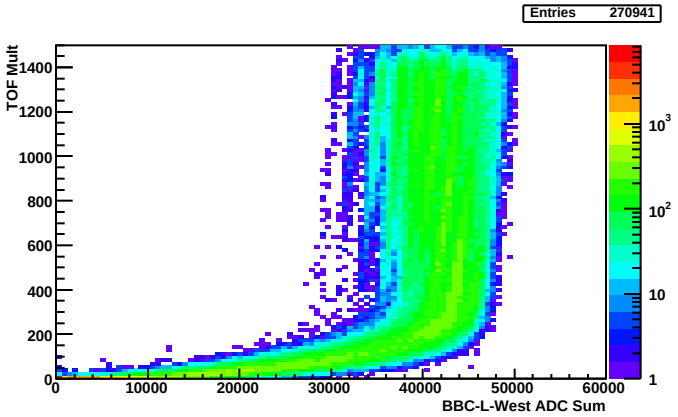

BBQ-VP003 (HI threshold)
Entries 4335056
ADC
QT Input Channel

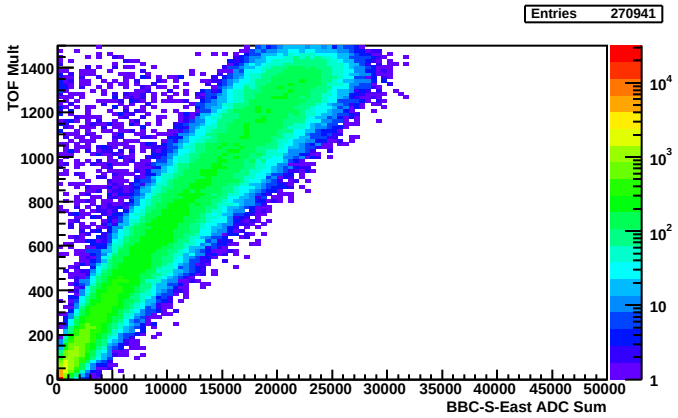

BBQ-VP003 (HI threshold)
Entries 4335056
TAC
QT Input Channel

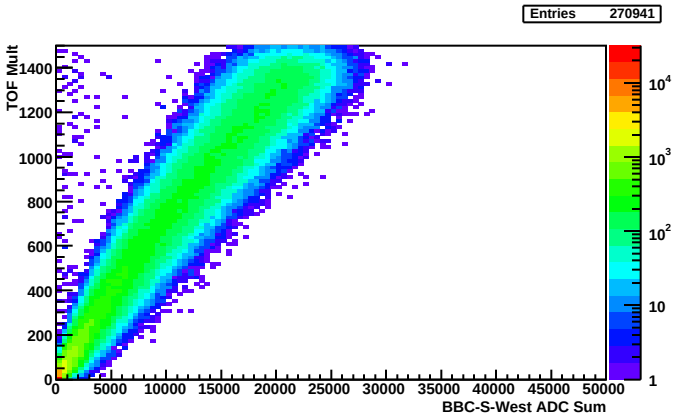

BBQ-VP004 (HI threshold)
Entries 4335056
ADC
QT Input Channel

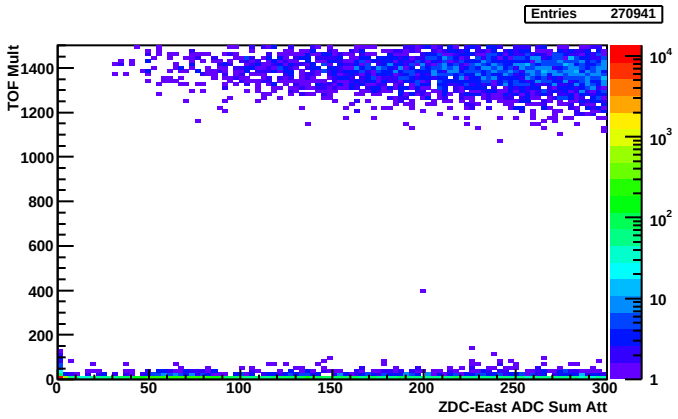

BBQ-VP004 (HI threshold)
Entries 4335056
TAC
QT Input Channel

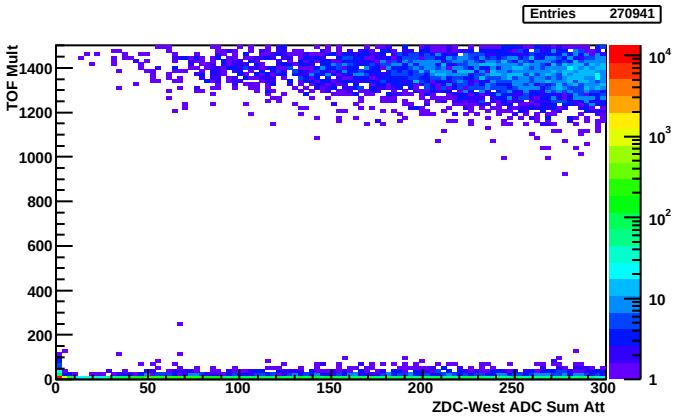

Entries 270941
TOF Mult
BBC-L-East ADC Sum

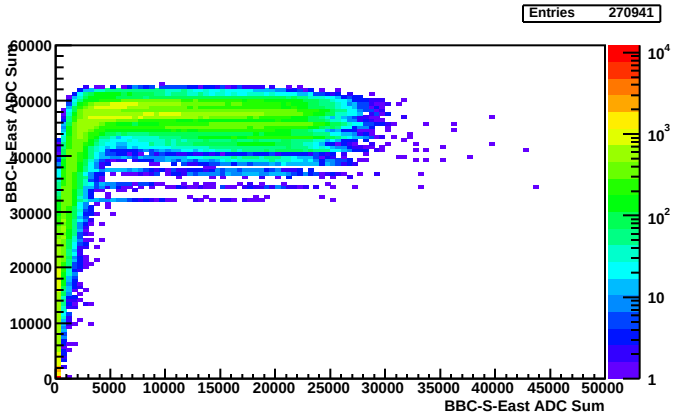

Entries 270941
TOF Mult
BBC-L-West ADC Sum

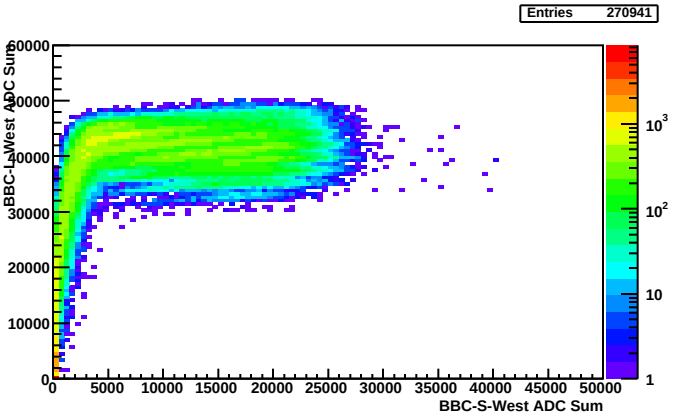

Entries 270941
TOF Mult
BBC-S-East ADC Sum

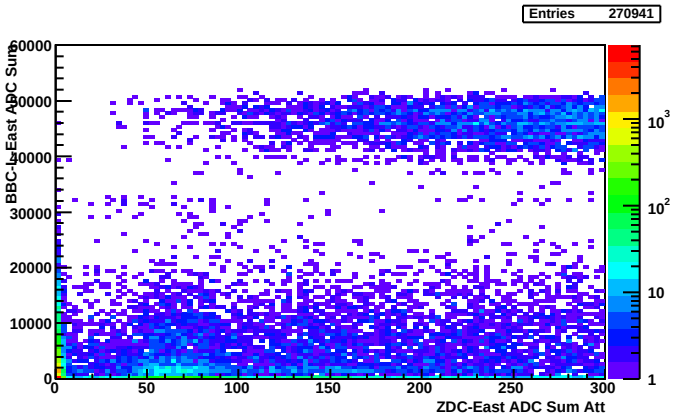

Entries 270941
TOF Mult
BBC-S-West ADC Sum

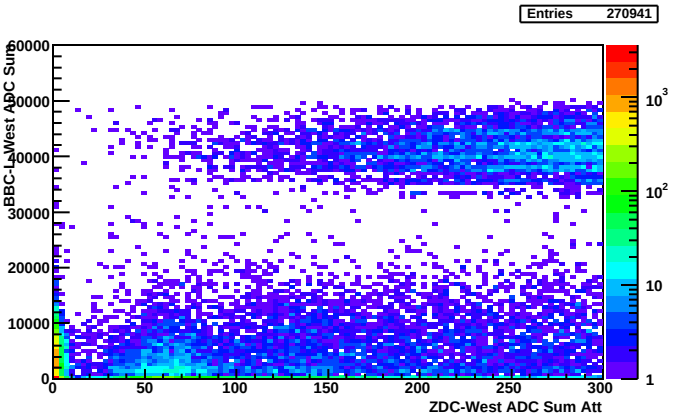

Entries 270941
TOF Mult
ZDC-East ADC Sum Att

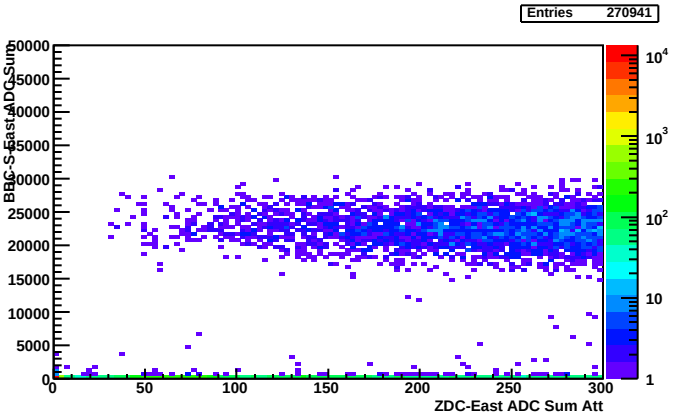

Entries 270941
TOF Mult
ZDC-West ADC Sum Att

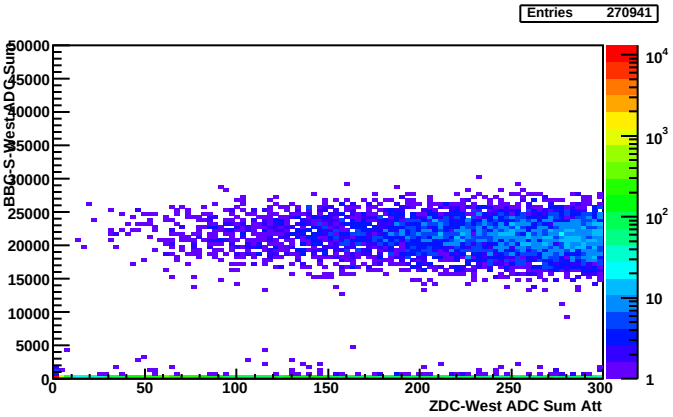

Entries 270941
BBC-L-East ADC Sum
BBC-S-East ADC Sum

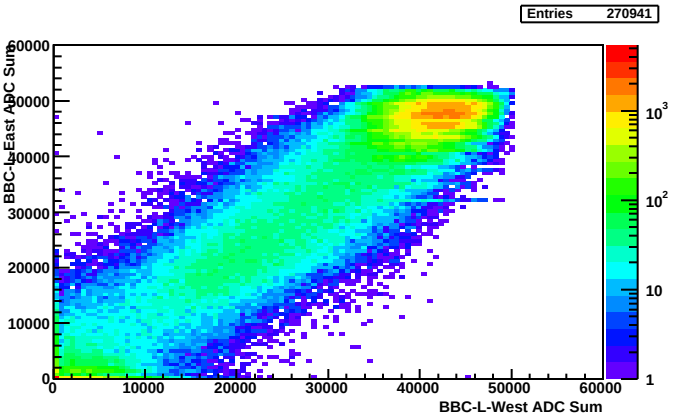

Entries 270941
BBC-L-West ADC Sum
BBC-S-West ADC Sum

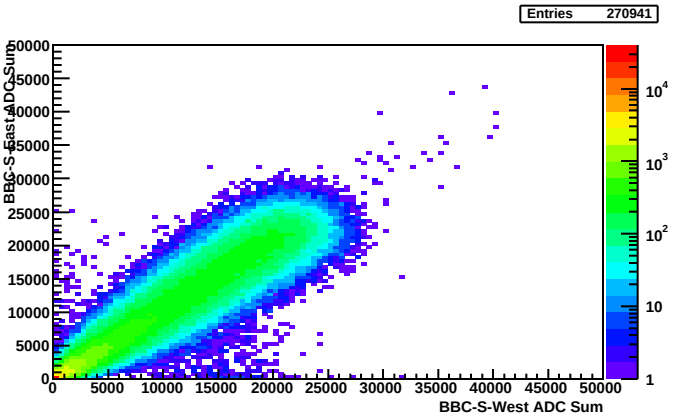

Entries 270941
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

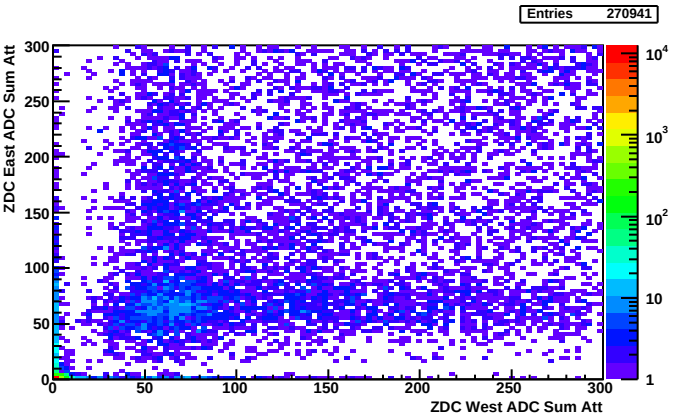

Entries 270941
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

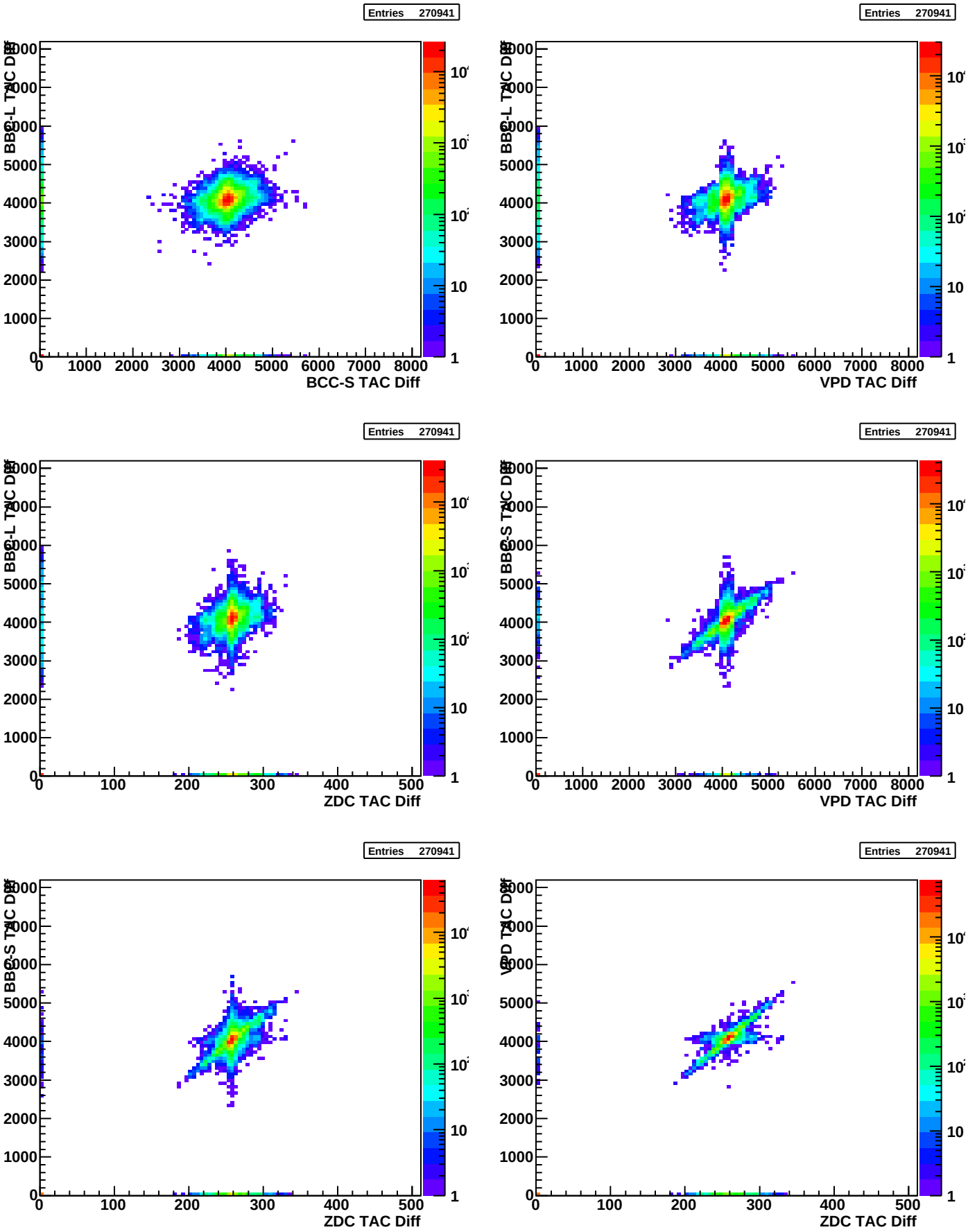

Entries 270941
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

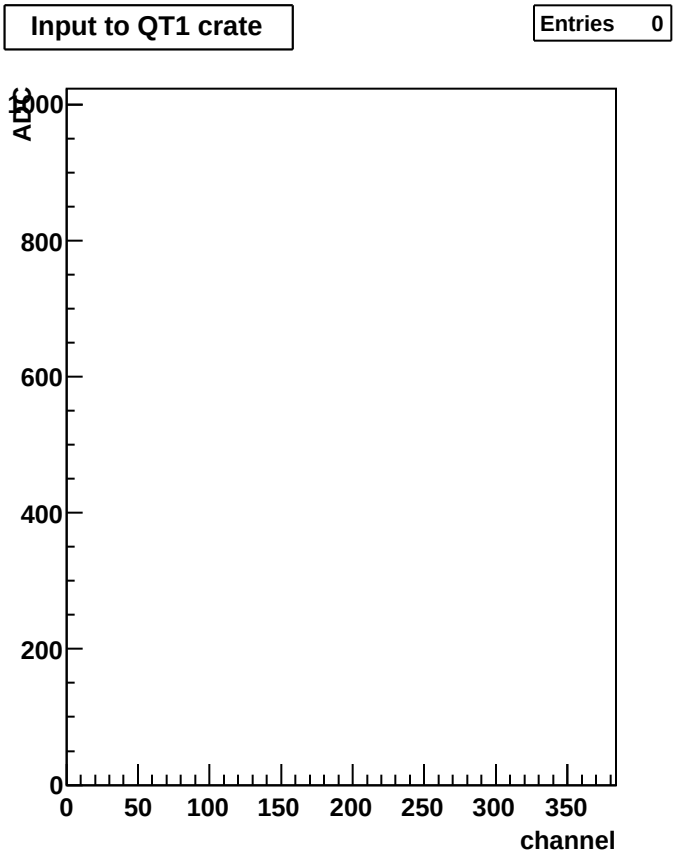

Entries 270941
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

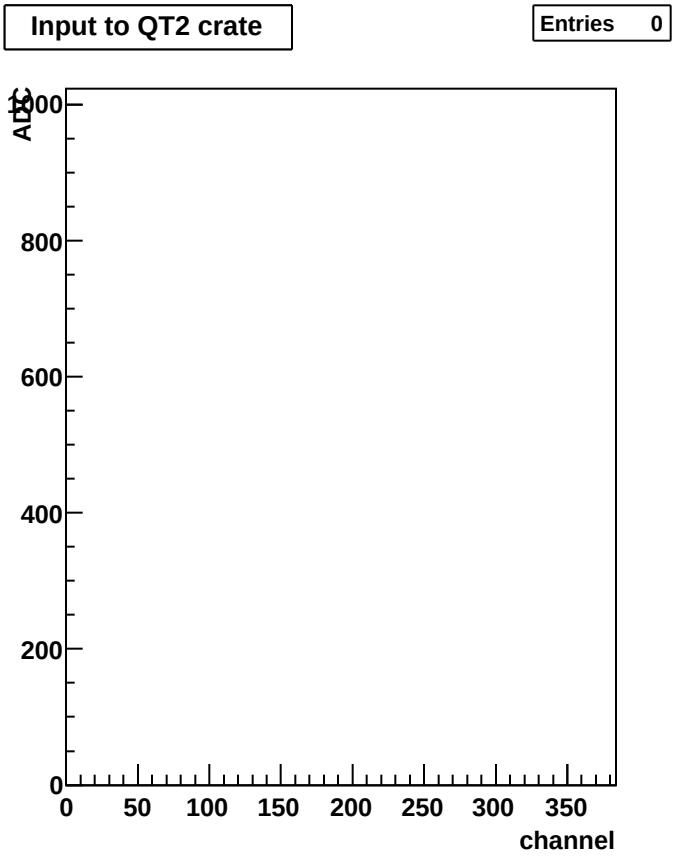

Entries 270941
BBC-L-East ADC Sum
BBC-L-West ADC Sum

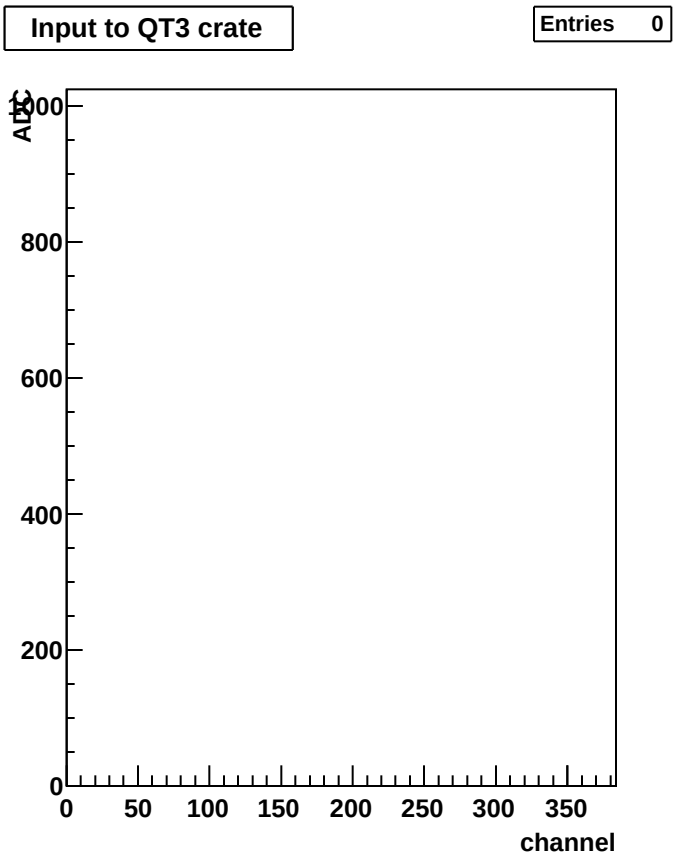

Entries 270941
BBC-S-East ADC Sum
BBC-S-West ADC Sum

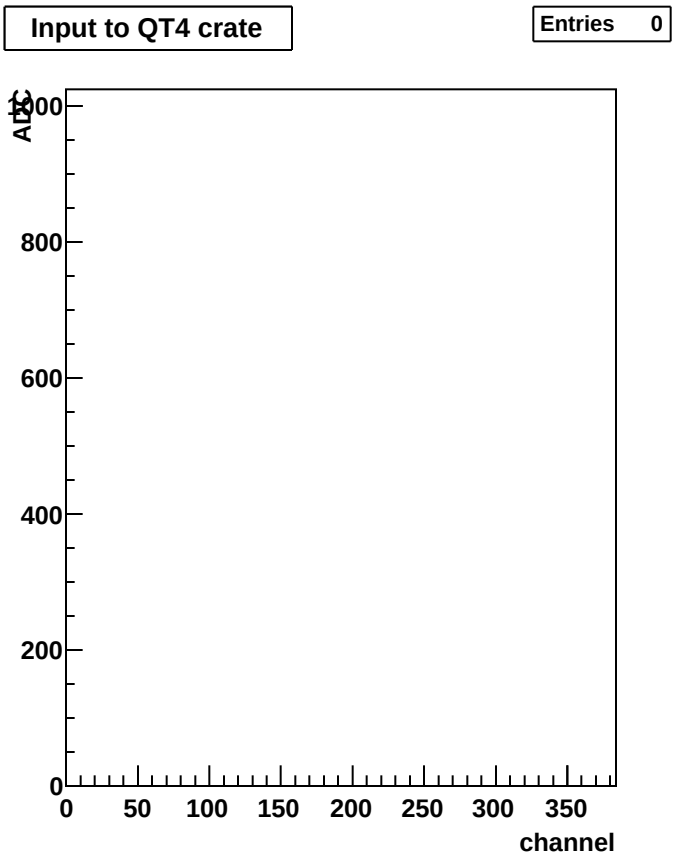

Entries 270941
ZDC East ADC Sum Att
ZDC West ADC Sum Att

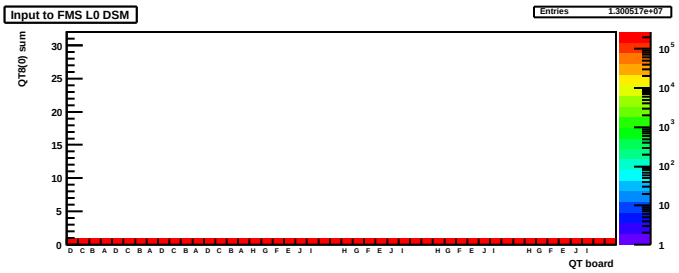

Entries 270941
BBC-L TAC Diff
BCC-S TAC Diff
Entries 270941
BBC-L TAC Diff
VPD TAC Diff
Entries 270941
BBC-L TAC Diff
ZDC TAC Diff
Entries 270941
BBC-S TAC Diff
VPD TAC Diff
Entries 270941
BBC-S TAC Diff
ZDC TAC Diff
Entries 270941
VPD TAC Diff
ZDC TAC Diff

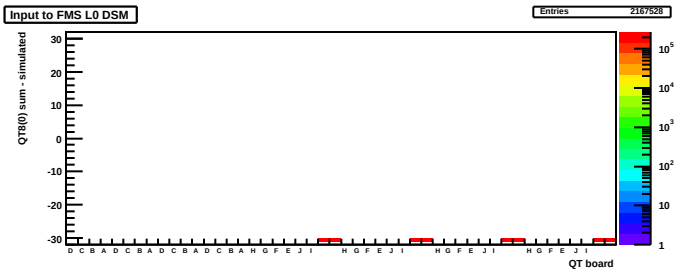

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

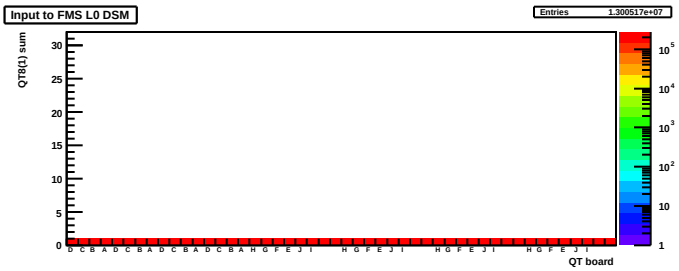

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

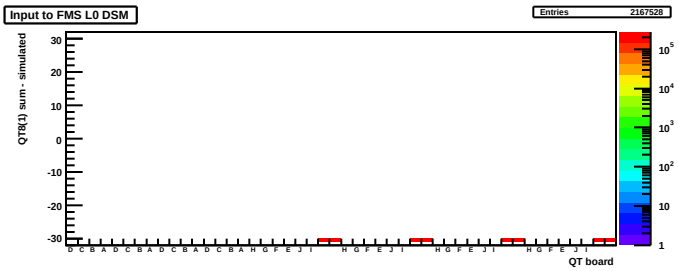

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

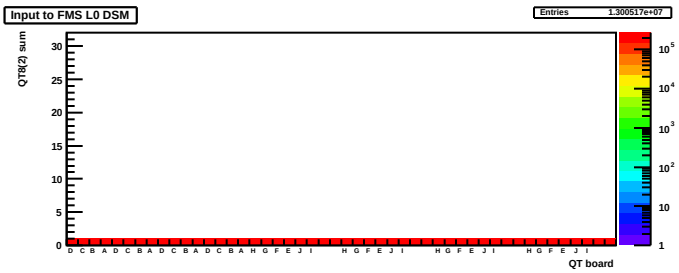

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

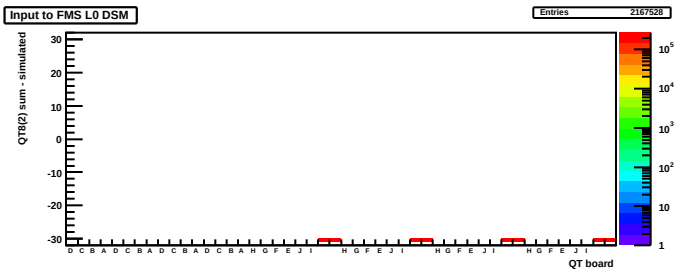

Input to FMS L0 DSM
Entries 1.300517e+07
QT8(0) sum
QT board

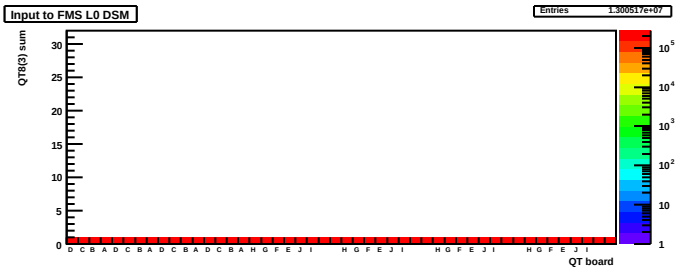

Input to FMS L0 DSM
Entries 2167528
QT8(0) sum - simulated
QT board

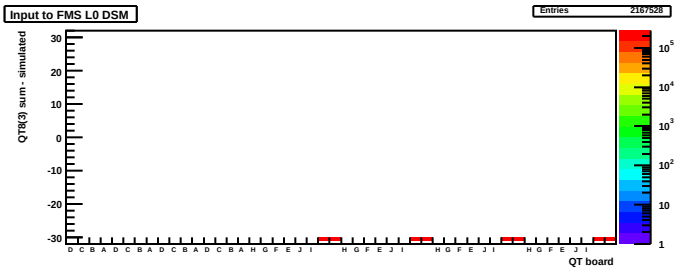

Input to FMS L0 DSM
Entries 1.300517e+07
QT8(1) sum
QT board

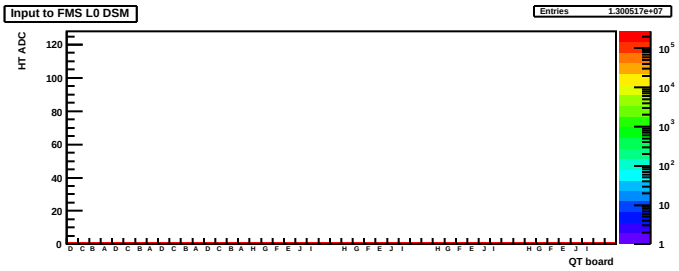

Input to FMS L0 DSM
Entries 2167528
QT8(1) sum - simulated
QT board

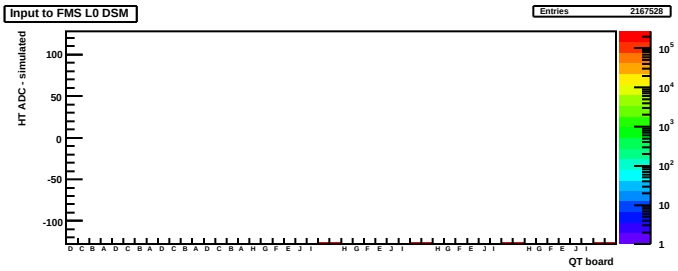

Input to FMS L0 DSM
Entries 1.300517e+07
QT8(2) sum
QT board

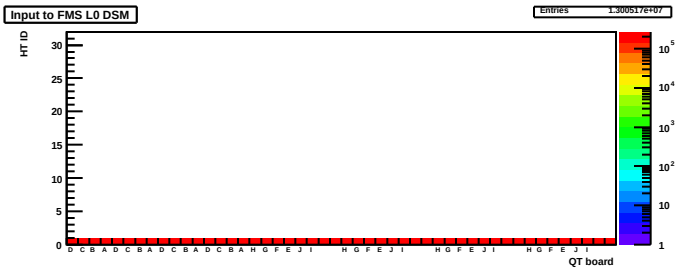

Input to FMS L0 DSM
Entries 2167528
QT8(2) sum - simulated
QT board

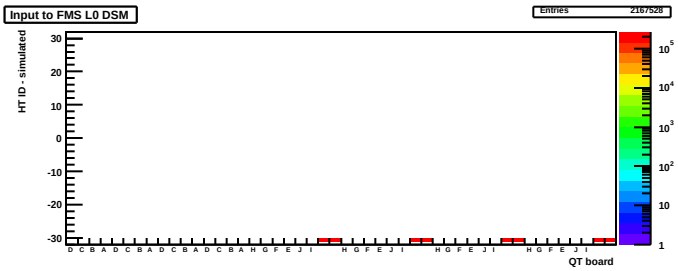

Input to FMS L0 DSM
Entries 1.300517e+07
QT8(3) sum
QT board

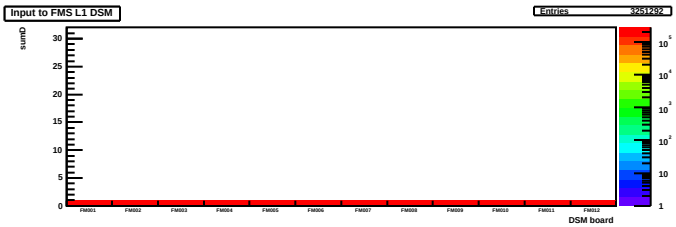

Input to FMS L0 DSM
Entries 2167528
QT8(3) sum - simulated
QT board

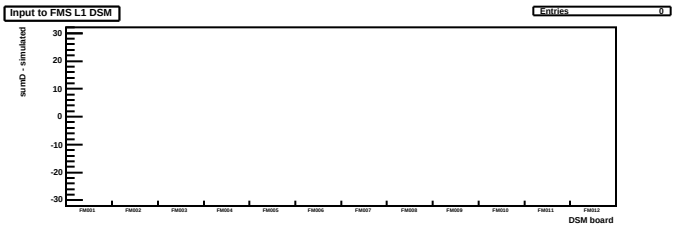

Input to FMS L0 DSM
Entries 1.300517e+07
HT ADC
QT board

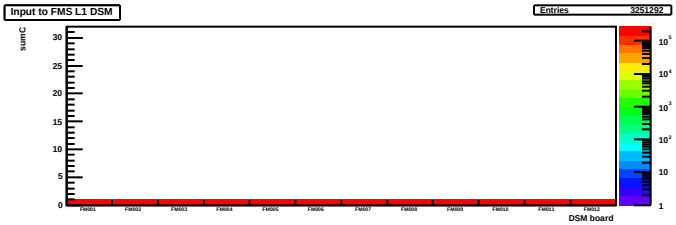

Input to FMS L0 DSM
Entries 2167528
HT ADC - simulated
QT board

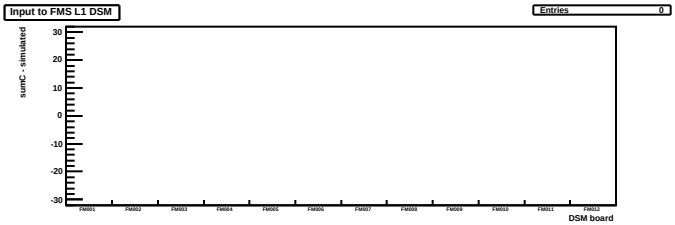

Input to FMS L0 DSM
Entries 1.300517e+07
HT ID
QT board

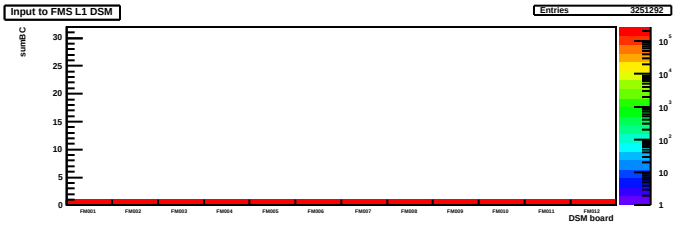

Input to FMS L0 DSM
Entries 2167528
HT ID - simulated
QT board

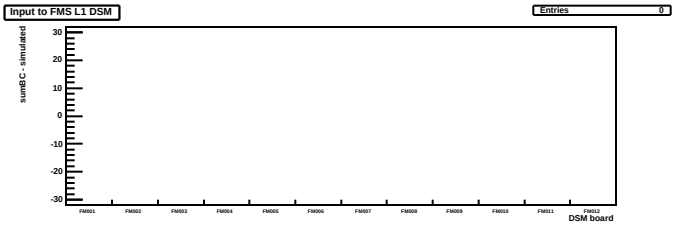

Input to FMS L1 DSM
Entries 3251292
sumD
DSM board

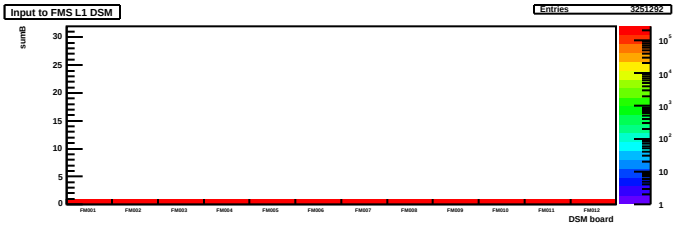

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

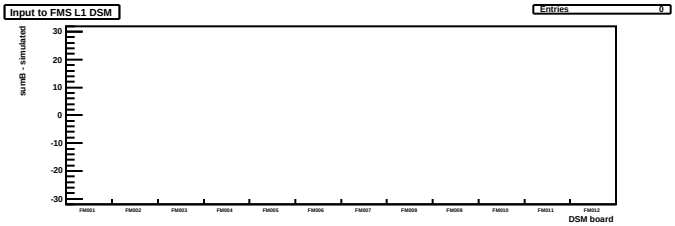

Input to FMS L1 DSM
Entries 3251292
sumC
DSM board

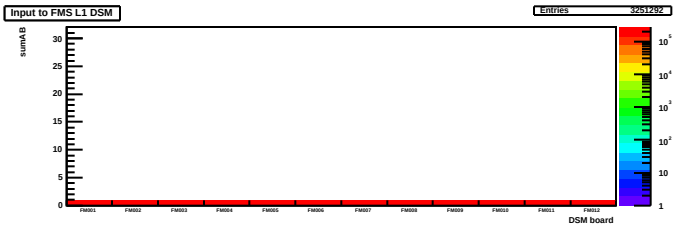

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

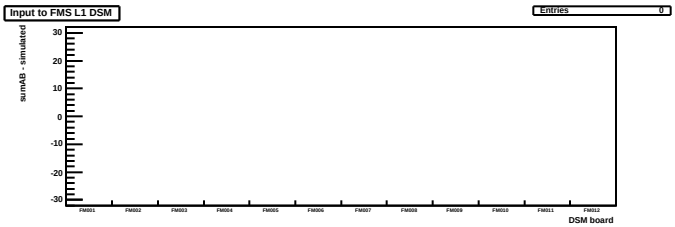

Input to FMS L1 DSM
Entries 3251292
sumBC
DSM board

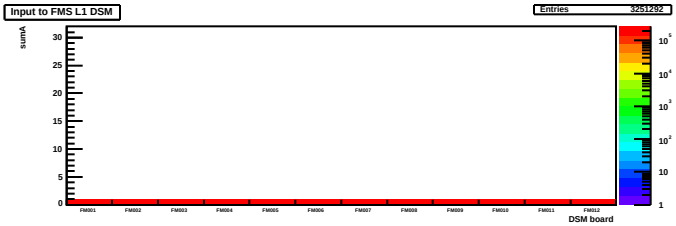

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

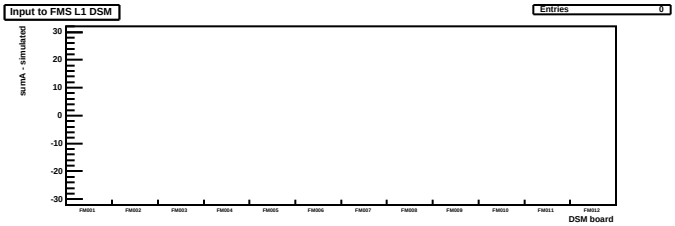

Input to FMS L1 DSM
Entries 3251292
sumB
DSM board

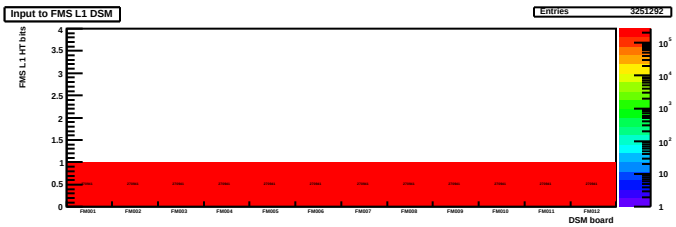

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

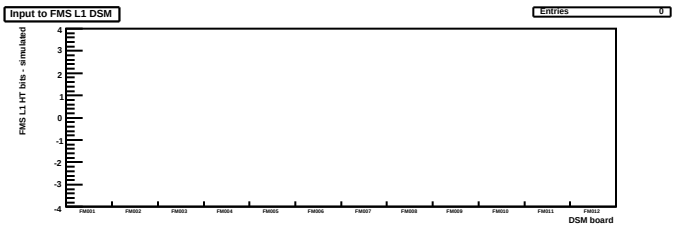

Input to FMS L1 DSM
Entries 3251292
sumAB
DSM board

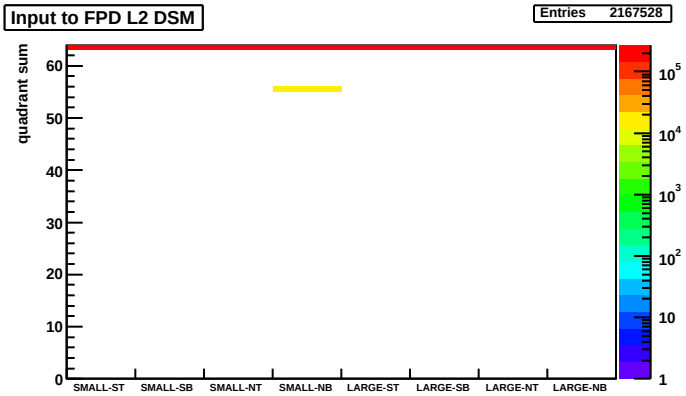

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

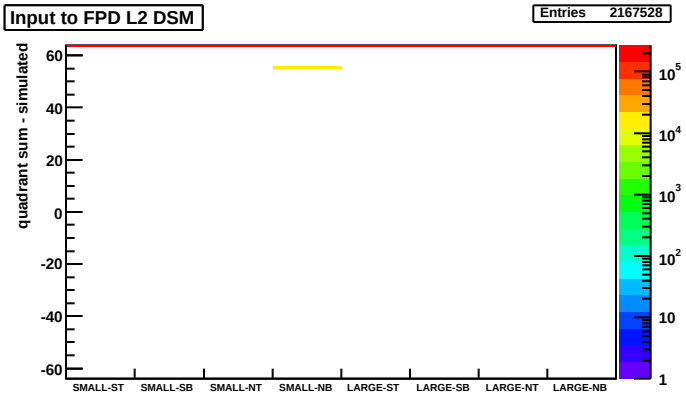

Input to FMS L1 DSM
Entries 3251292
sumA
DSM board

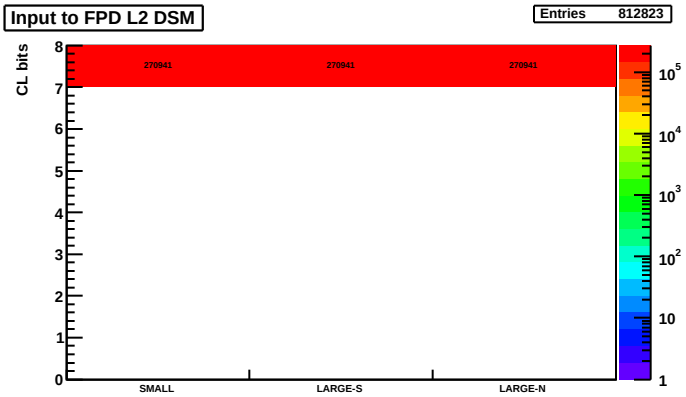

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

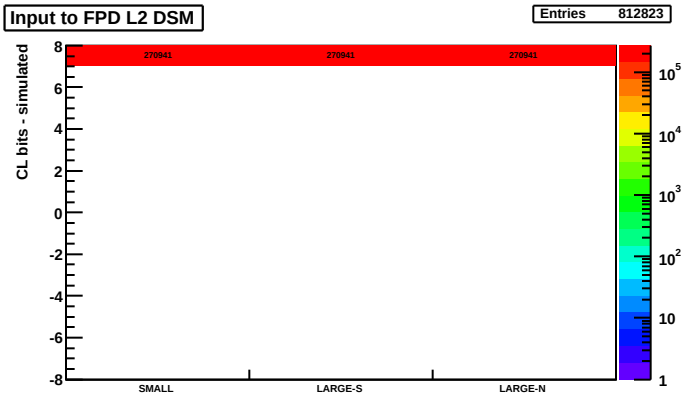

Input to FMS L1 DSM
Entries 3251292
FMS L1 HT bits
DSM board

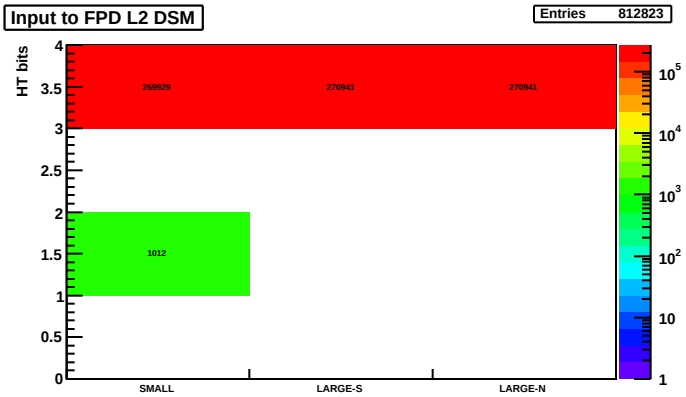

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

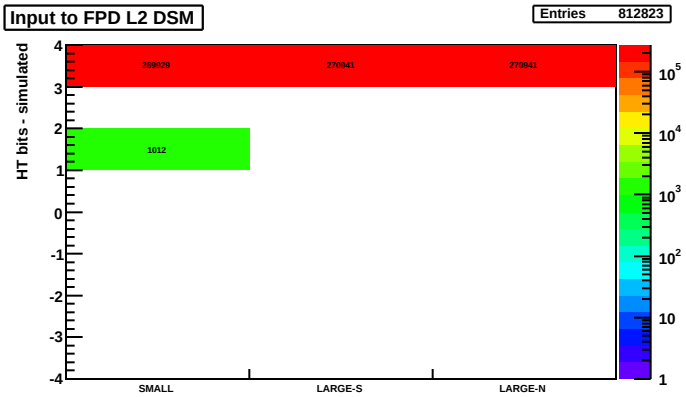

Input to FPD L2 DSM
Entries 2167528
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

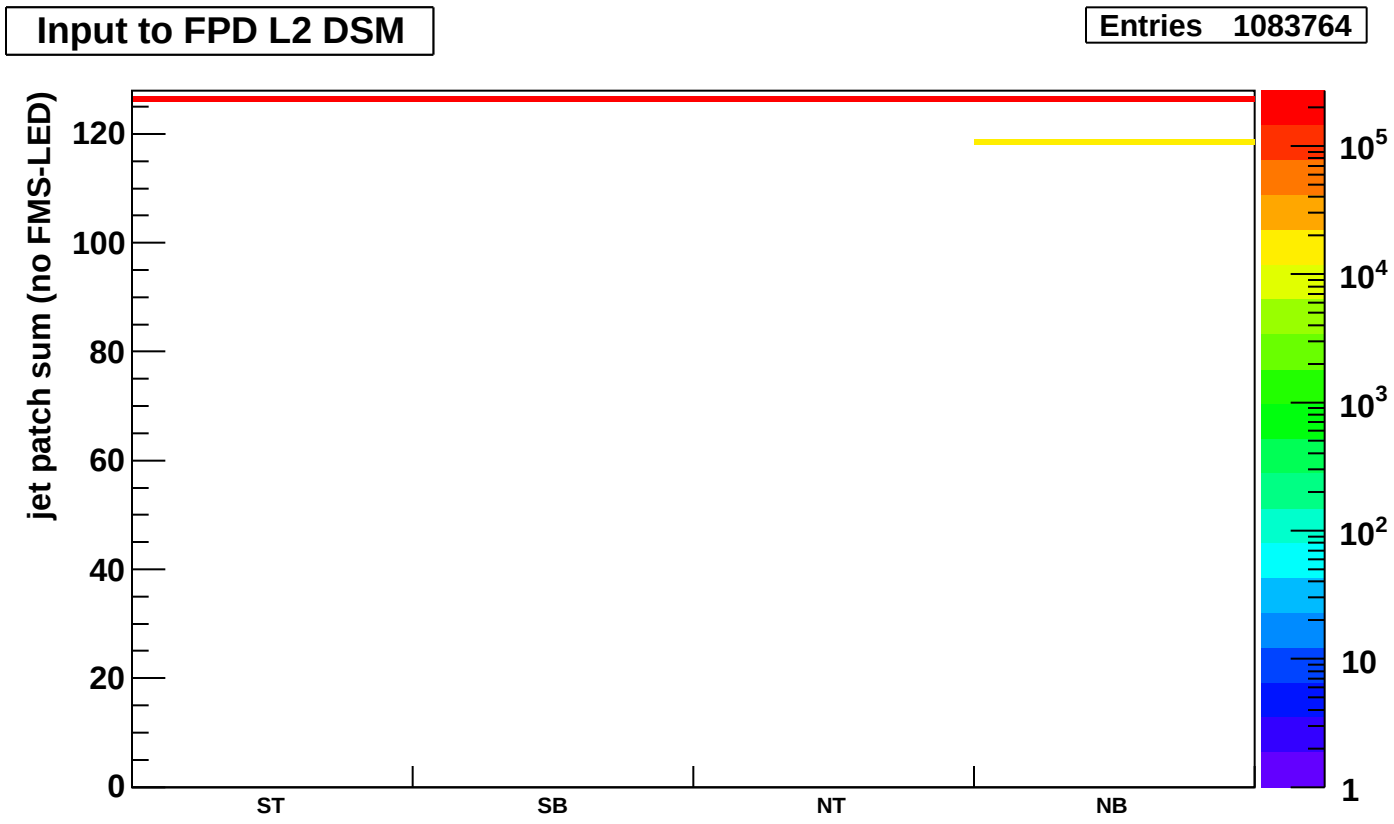

Input to FPD L2 DSM
Entries 2167528
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

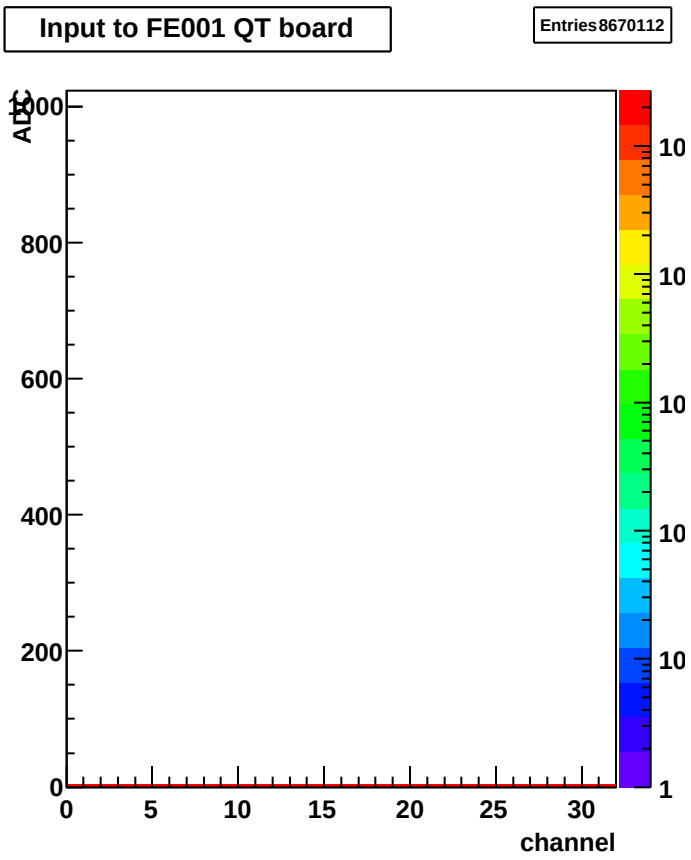

Input to FPD L2 DSM
Entries 812823
CL bits
270941
270941
270941
SMALL
LARGE-S
LARGE-N

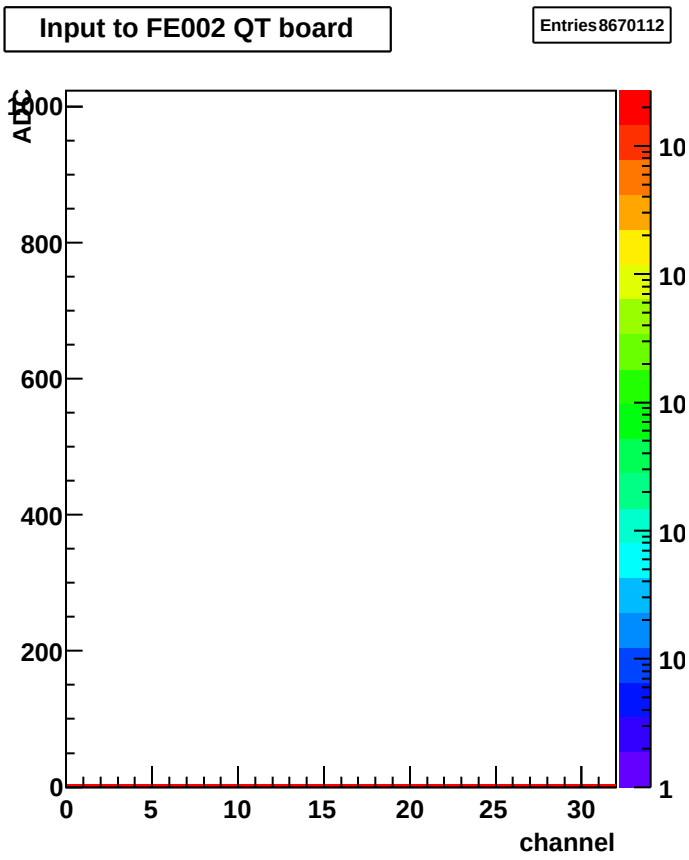

Input to FPD L2 DSM
Entries 812823
CL bits - simulated
270941
270941
270941
SMALL
LARGE-S
LARGE-N

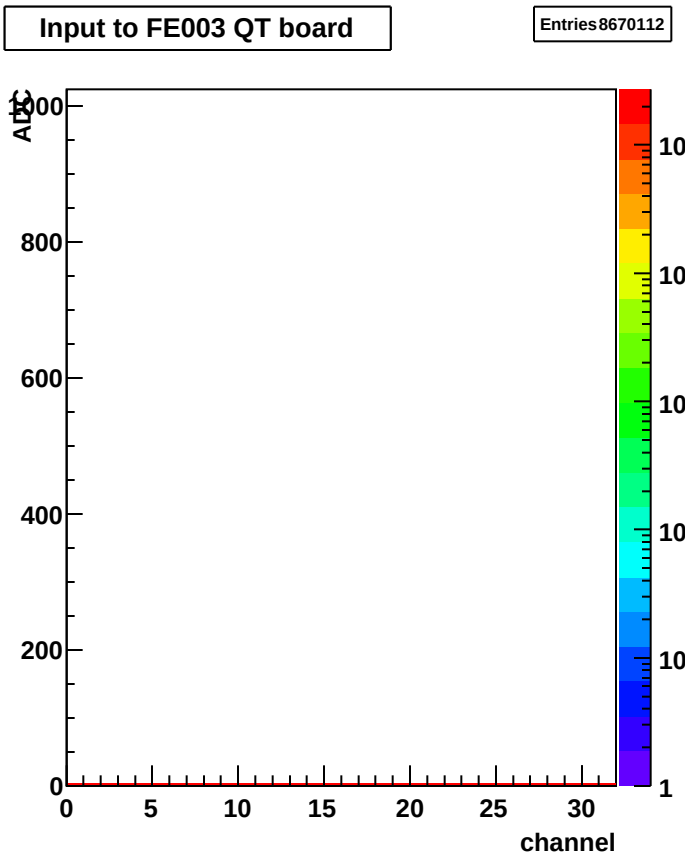

Input to FPD L2 DSM
Entries 812823
HT bits
269929
270941
270941
1012
SMALL
LARGE-S
LARGE-N

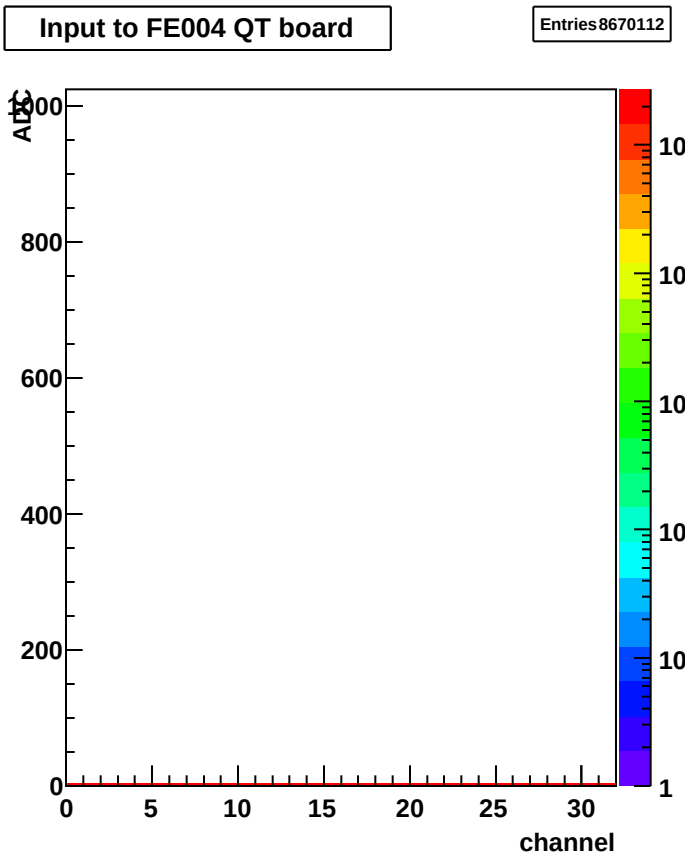

Input to FPD L2 DSM
Entries 812823
HT bits - simulated
269929
270941
270941
1012
SMALL
LARGE-S
LARGE-N


Input to FPD L2 DSM
Entries 1083764
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

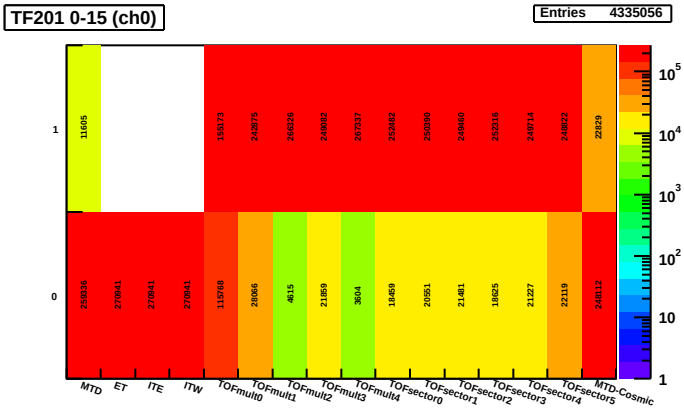

Input to FE001 QT board
Entries 8670112
ADC
channel


Input to FE002 QT board
Entries 8670112
ADC
channel

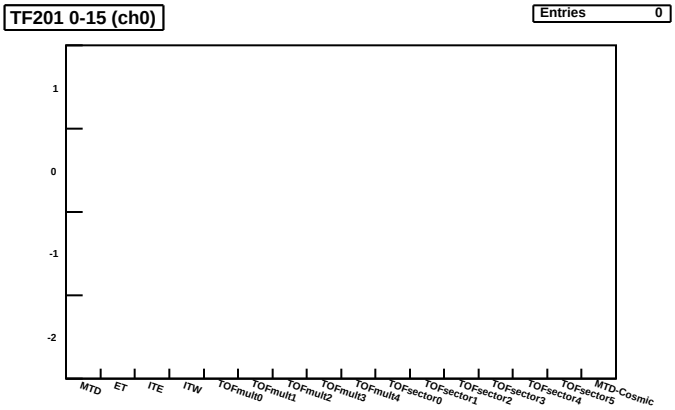

Input to FE003 QT board
Entries 8670112
ADC
channel


Input to FE004 QT board
Entries 8670112
ADC
channel

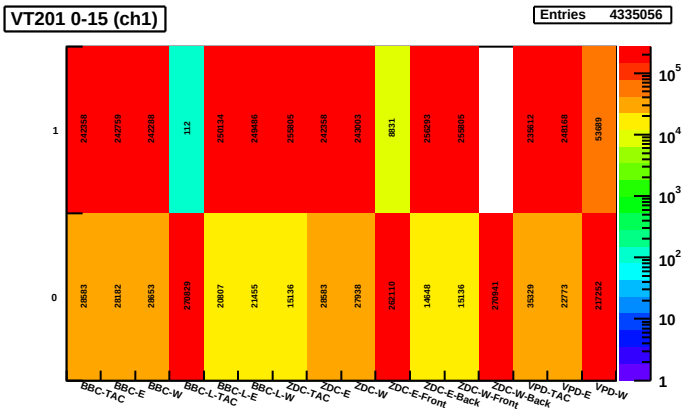
TF201 0-15 (ch0)



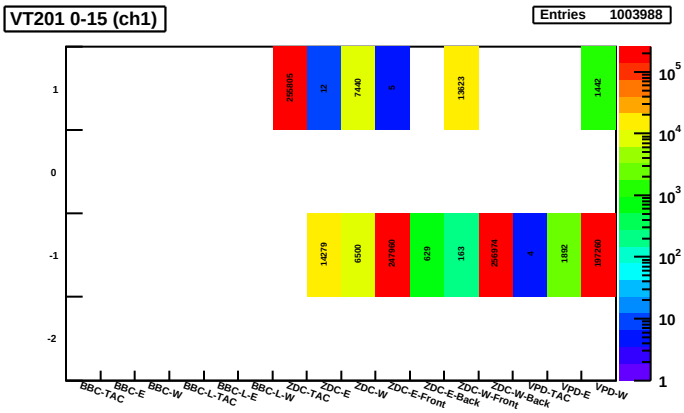
TF201 0-15 (ch0)



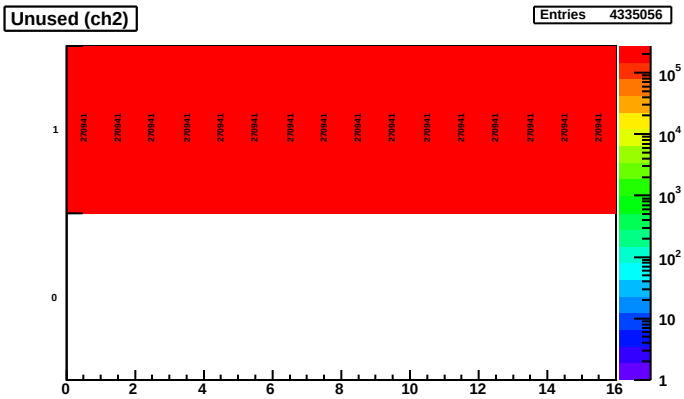
VT201 0-15 (ch1)

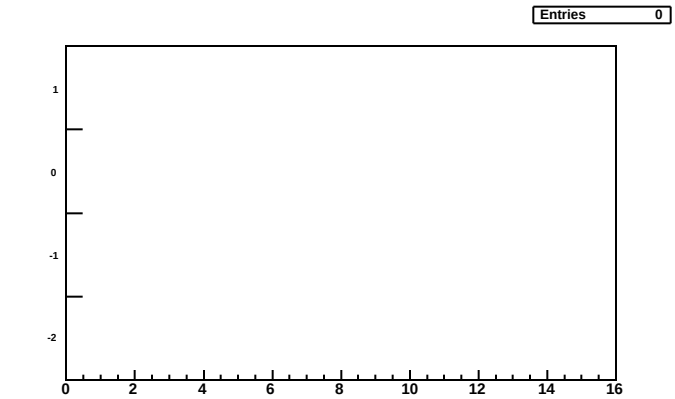


VT201 0-15 (ch1)

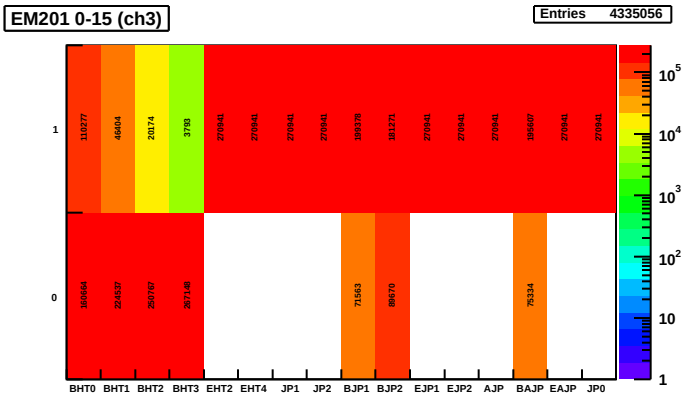


Unused (ch2)

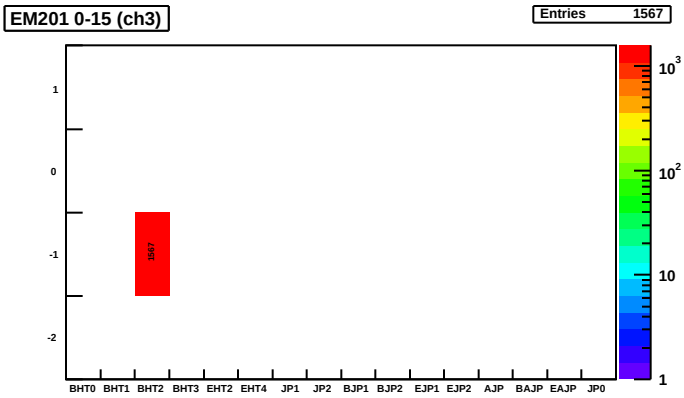


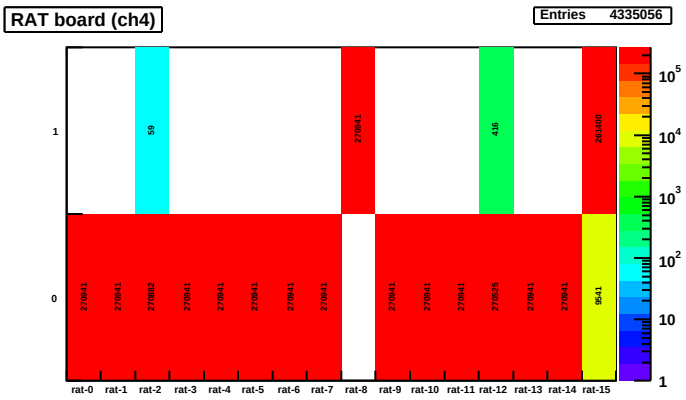


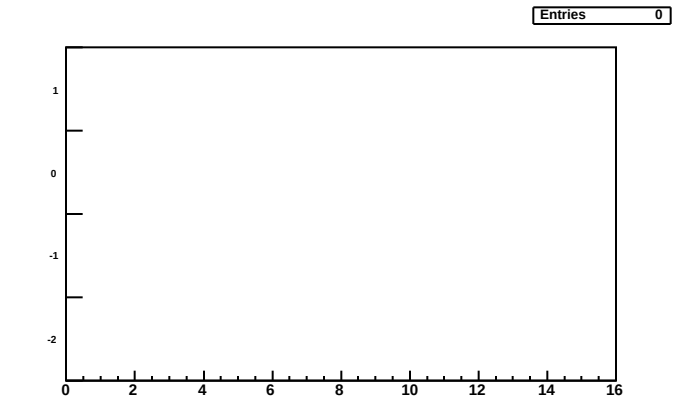
EM201 0-15 (ch3)

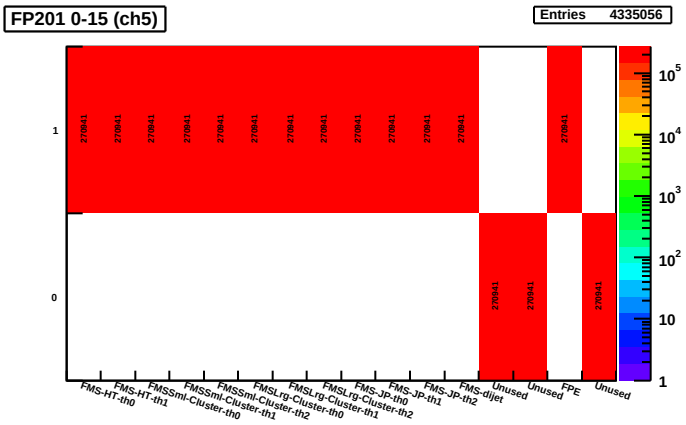


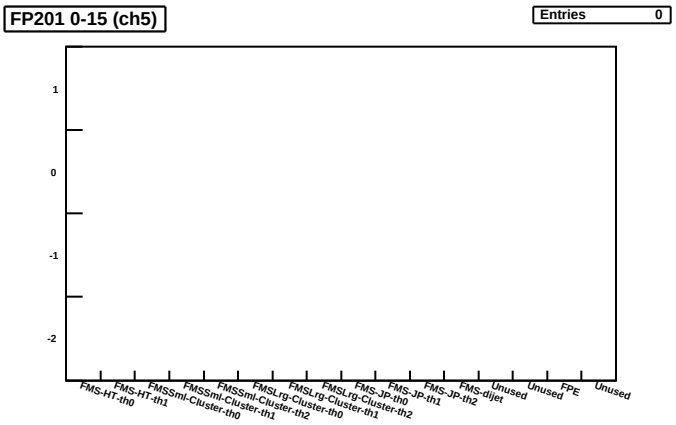
EM201 0-15 (ch3)

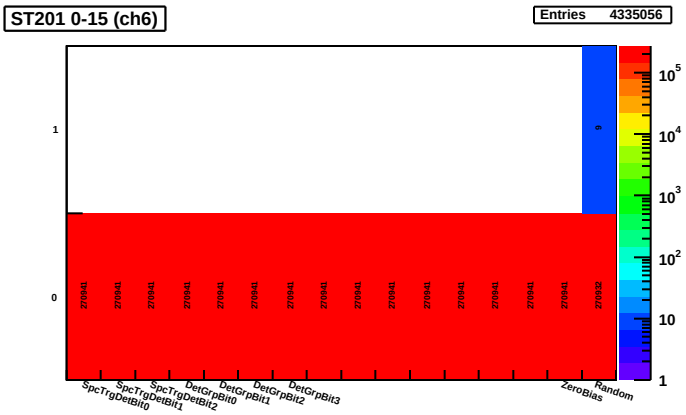


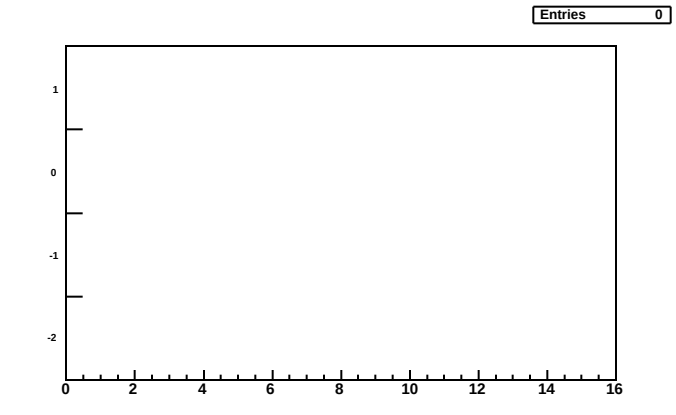

RAT board (ch4)
Entries 4335056
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

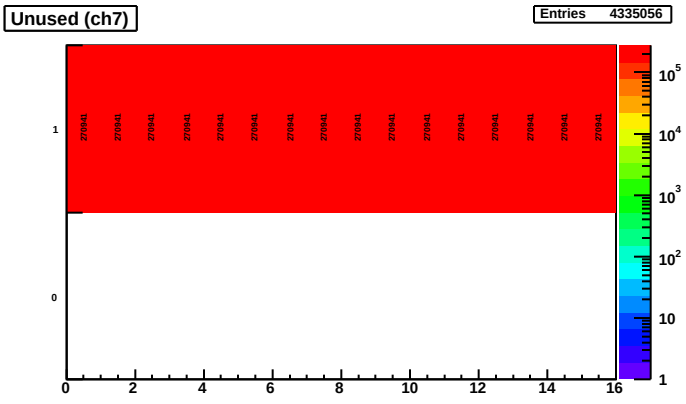

Entries 0

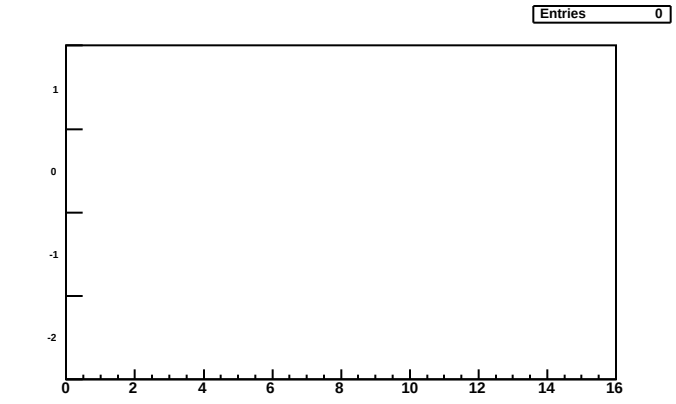

FP201 0-15 (ch5)
Entries 4335056
FMS-HT-th0
FMS-HT-th1
FMSSml-Cluster-th0
FMSSml-Cluster-th1
FMSSml-Cluster-th2
FMSLrg-Cluster-th0
FMSLrg-Cluster-th1
FMSLrg-Cluster-th2
FMS-JP-th0
FMS-JP-th1
FMS-JP-th2
FMS-diJet
Unused
Unused
FPE
Unused


FP201 0-15 (ch5)
Entries 0
FMS-HT-th0
FMS-HT-th1
FMSSml-Cluster-th0
FMSSml-Cluster-th1
FMSSml-Cluster-th2
FMSLrg-Cluster-th0
FMSLrg-Cluster-th1
FMSLrg-Cluster-th2
FMS-JP-th0
FMS-JP-th1
FMS-JP-th2
FMS-diJet
Unused
Unused
FPE
Unused


ST201 0-15 (ch6)
Entries 4335056
SpcTrgDetBit0
SpcTrgDetBit1
SpcTrgDetBit2
DetGrpBit0
DetGrpBit1
DetGrpBit2
DetGrpBit3
ZeroBias
Random


Entries 0


Unused (ch7)
Entries 4335056


Entries 0