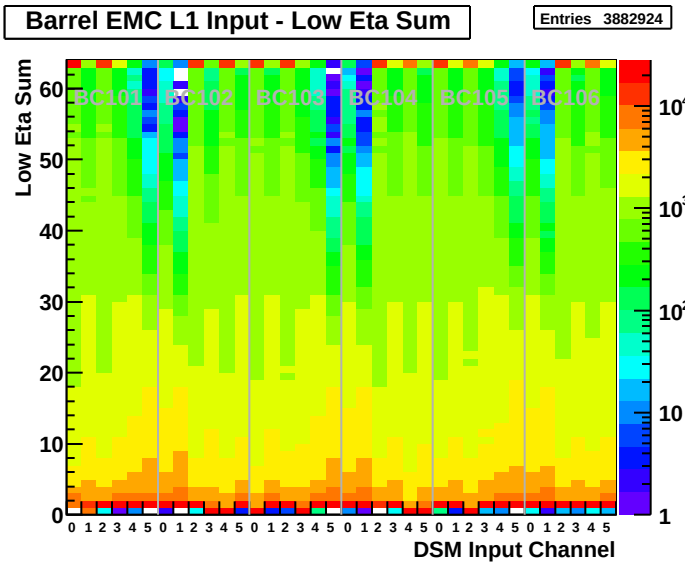
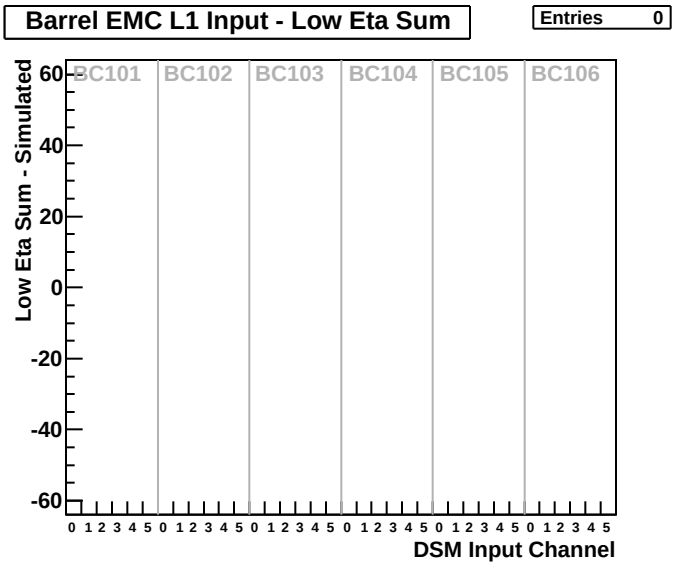
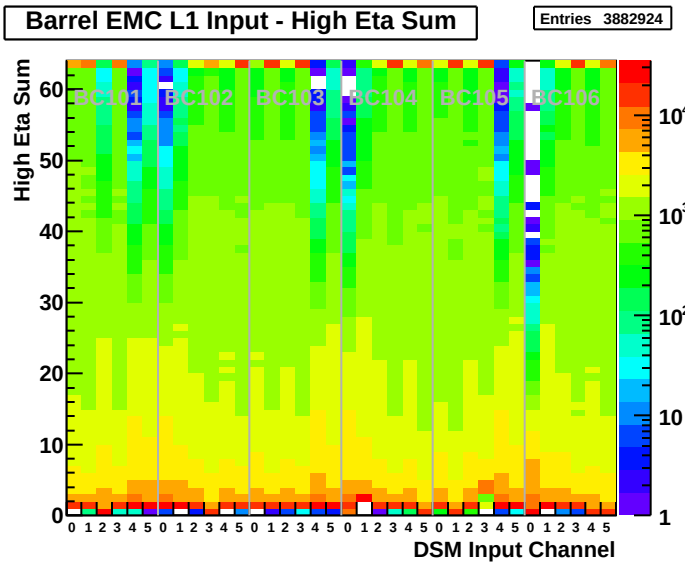
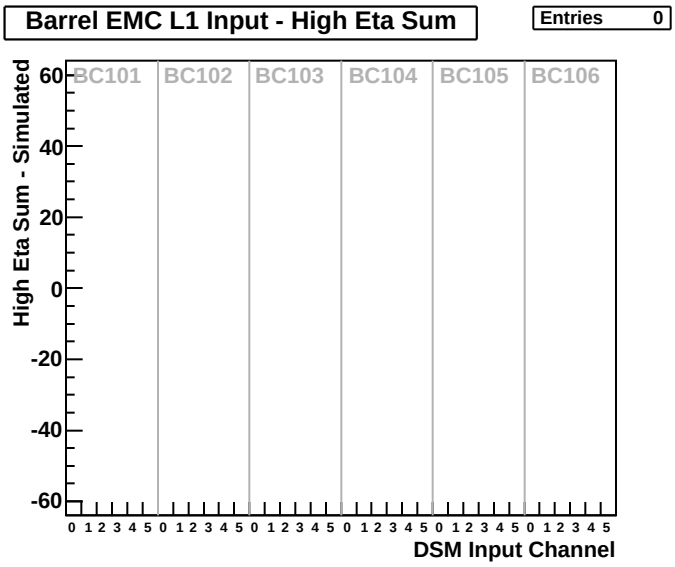
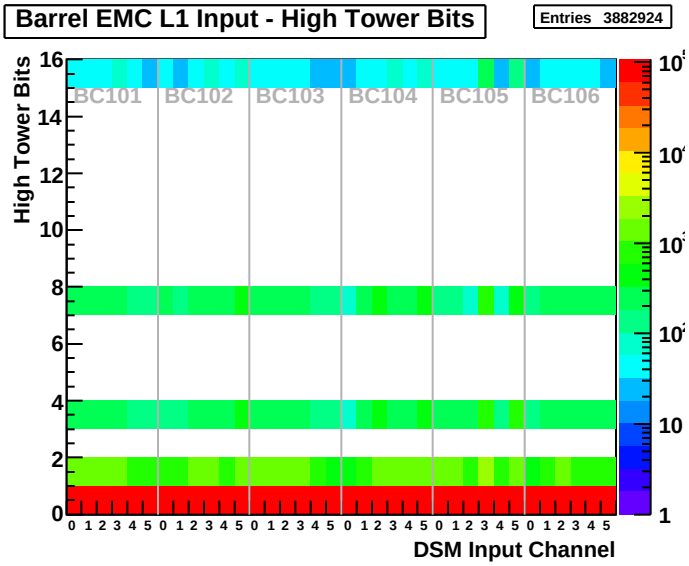
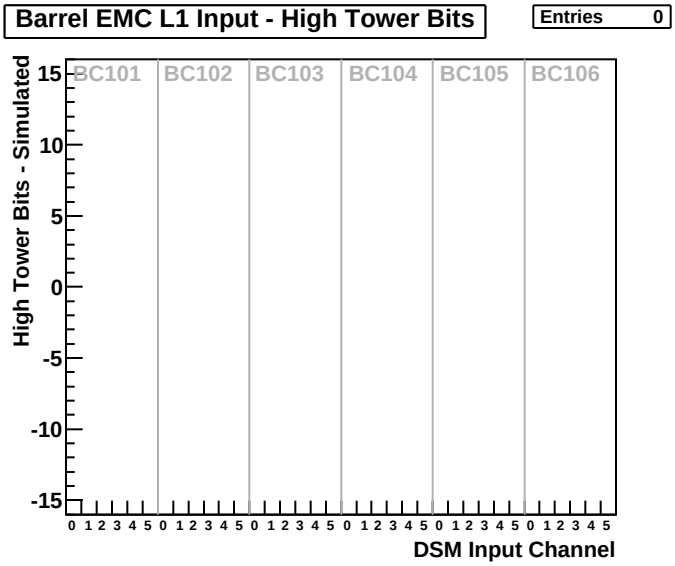

Barrel EMC L1 Input - Low Eta Sum
Entries 3882924
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

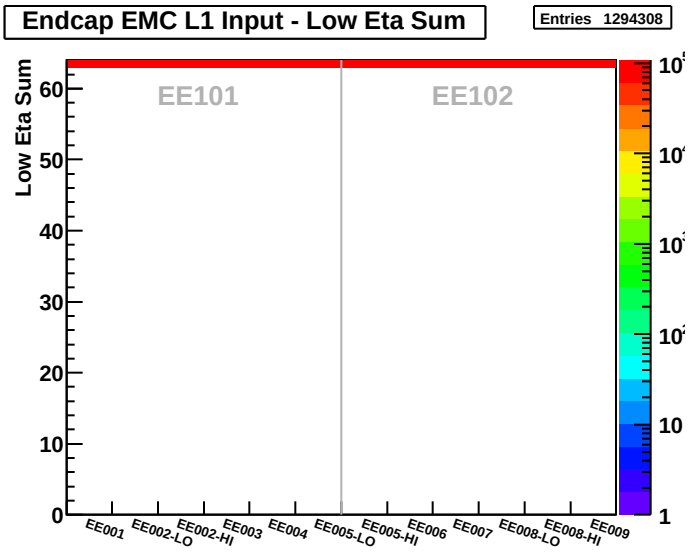

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

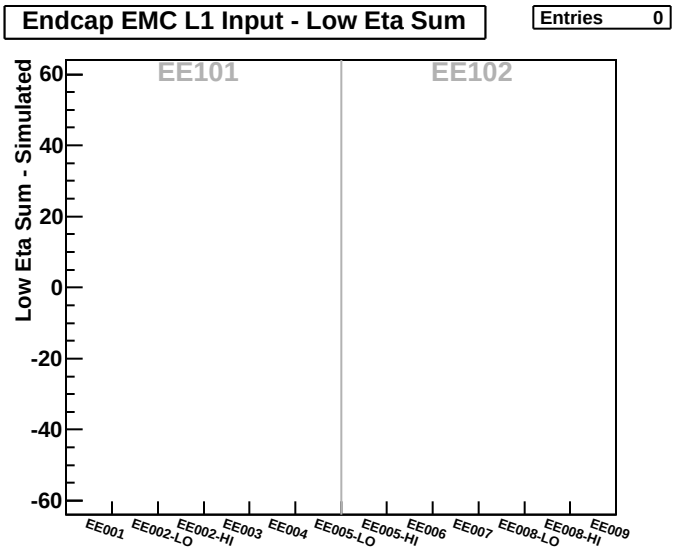

Barrel EMC L1 Input - High Eta Sum
Entries 3882924
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

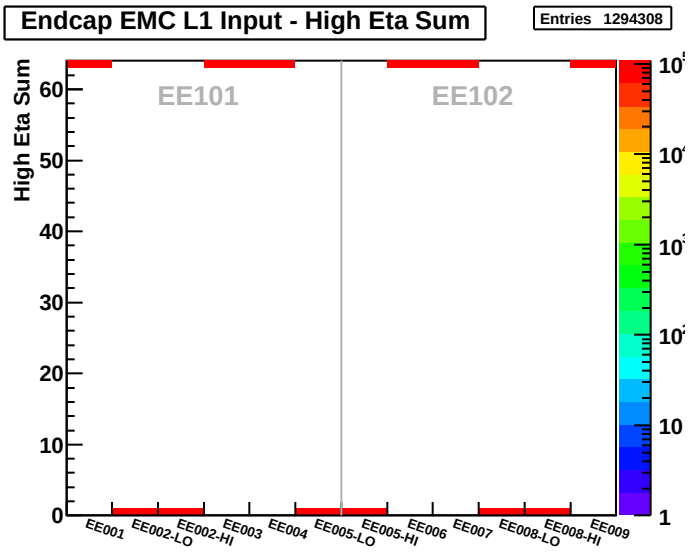

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

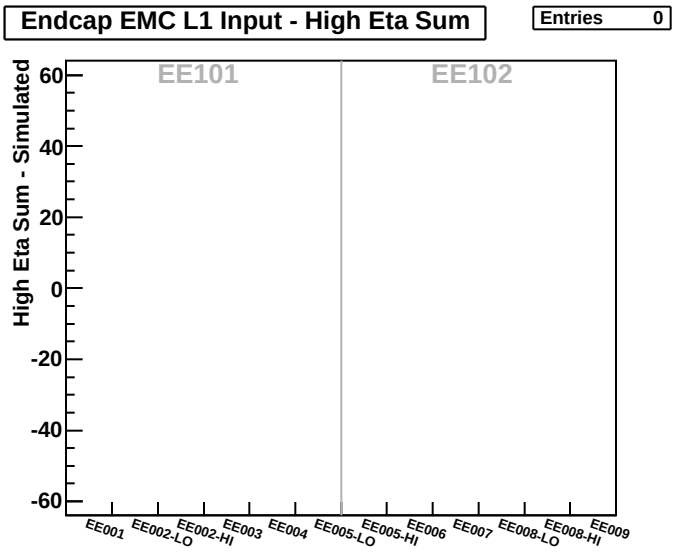

Barrel EMC L1 Input - High Tower Bits
Entries 3882924
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

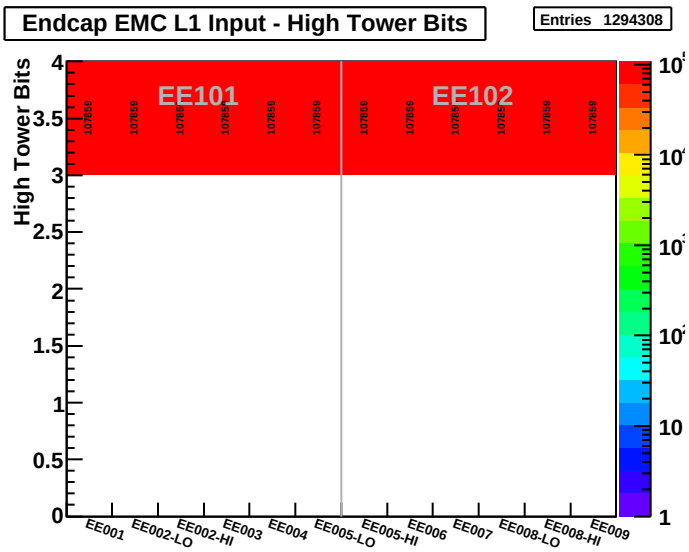

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

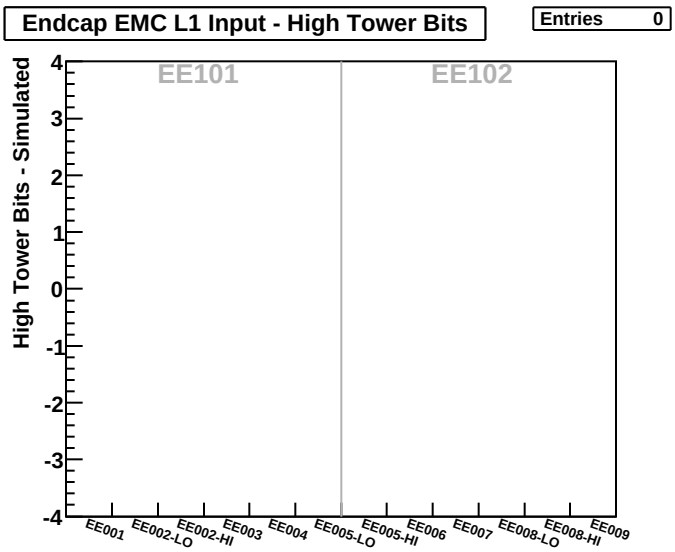

Endcap EMC L1 Input - Low Eta Sum
Entries 1294308
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

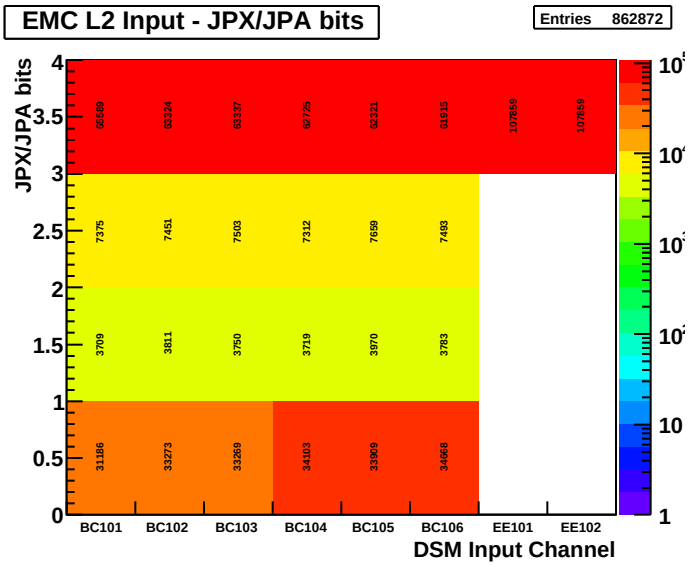

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

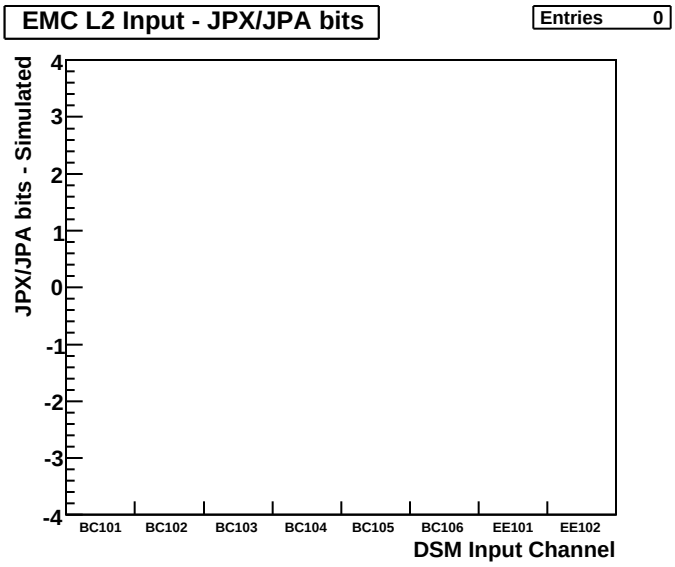

Endcap EMC L1 Input - High Eta Sum
Entries 1294308
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

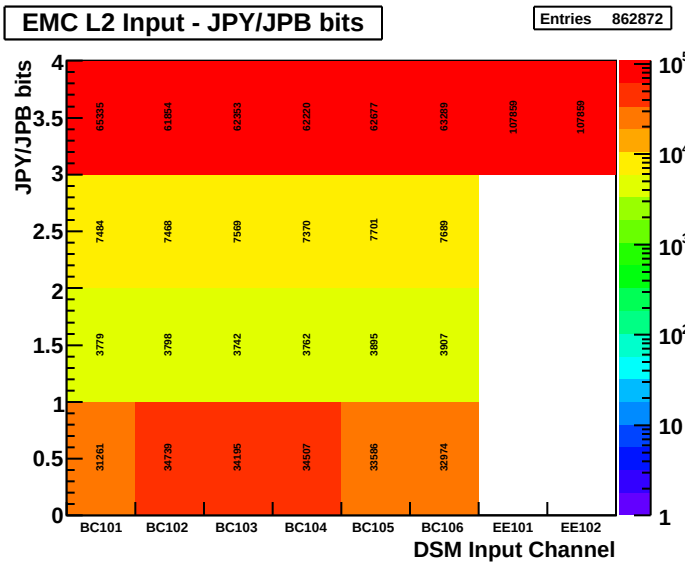

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

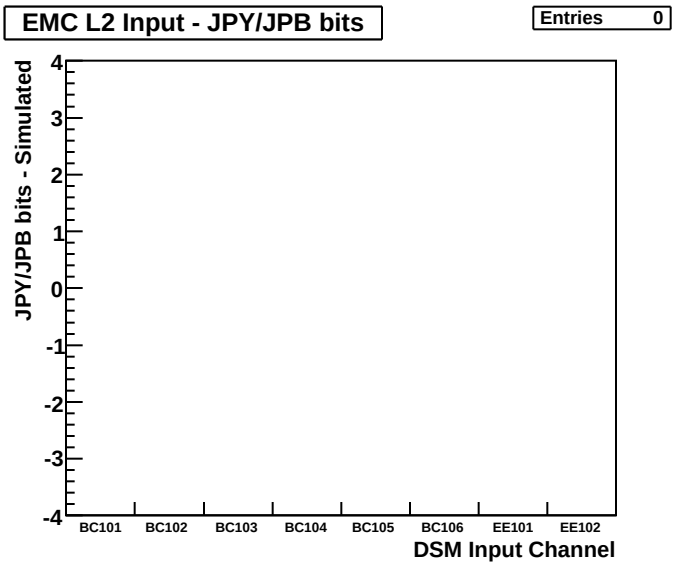

Endcap EMC L1 Input - High Tower Bits
Entries 1294308
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

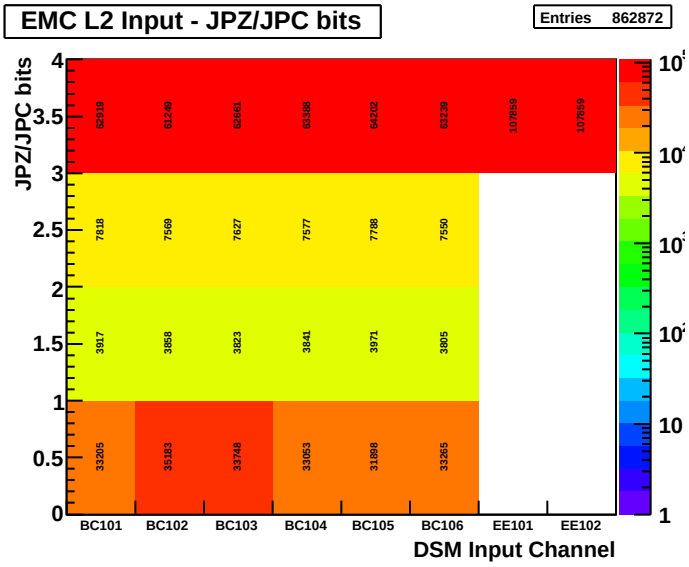

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

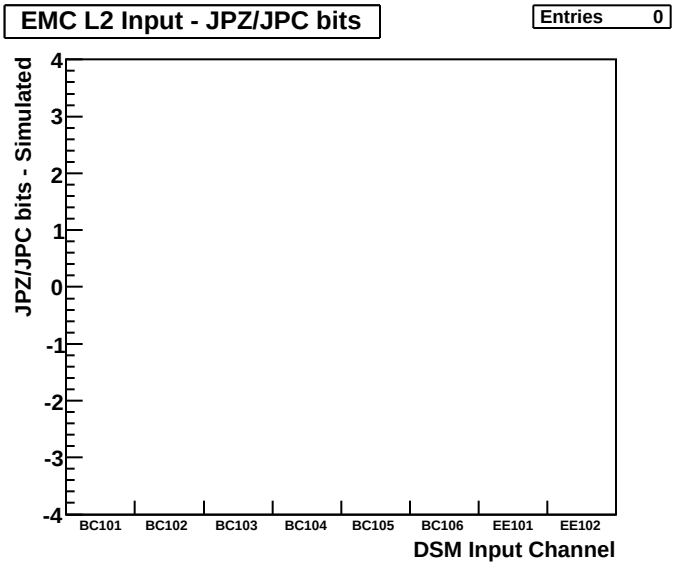

EMC L2 Input - JPX/JPA bits
Entries 862872
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
65589 63324 63337 62725 62321 61915 107859 107859
7375 7451 7503 7312 7659 7493
3709 3811 3750 3719 3970 3783
31186 33273 33269 34103 33909 34668

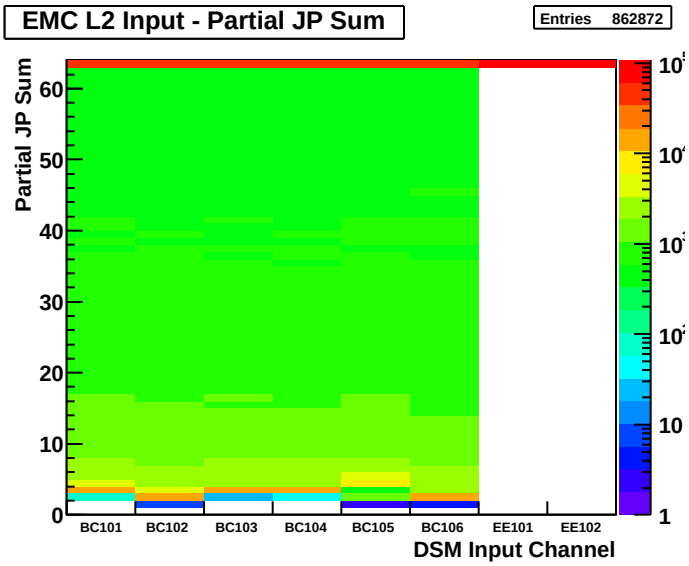

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

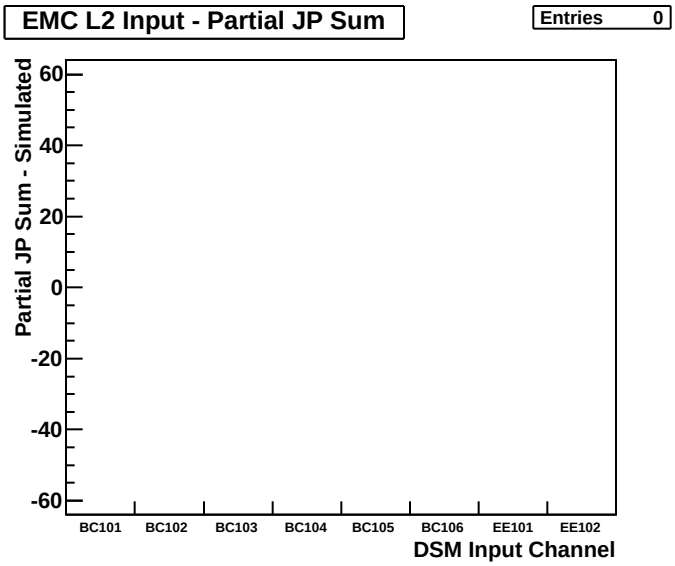

EMC L2 Input - JPY/JPB bits
Entries 862872
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
65335 61864 62353 62220 62677 63289 107859 107859
7484 7468 7569 7370 7701 7689
3779 3798 3742 3762 3895 3907
31261 34739 34195 34507 33586 32974

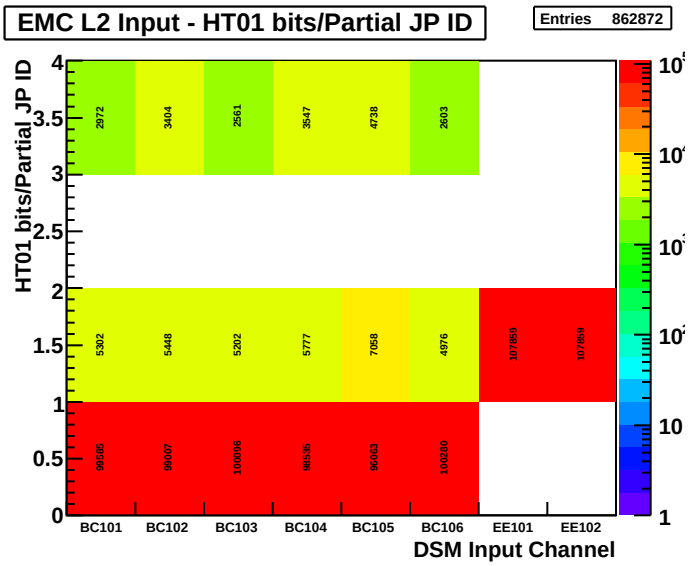

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

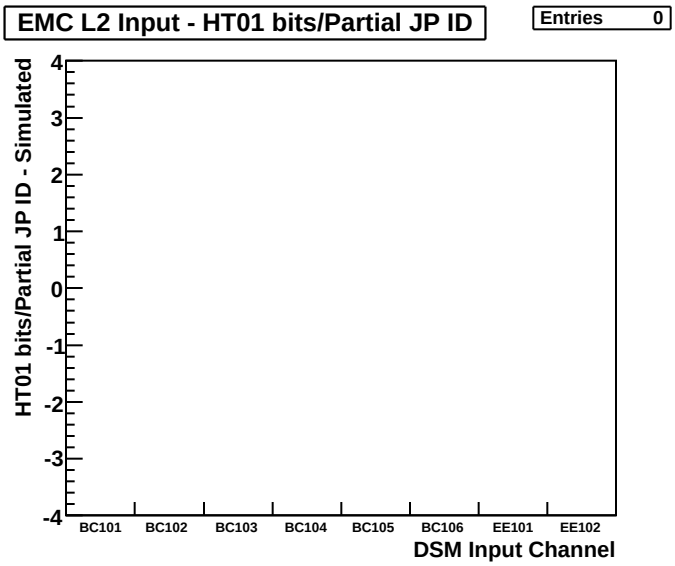

EMC L2 Input - JPZ/JPC bits
Entries 862872
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
62919 61249 62661 63388 64202 63239 107859 107859
7818 7569 7627 7577 7788 7550
3917 3858 3823 3841 3971 3805
33205 35183 33748 33053 31898 33265

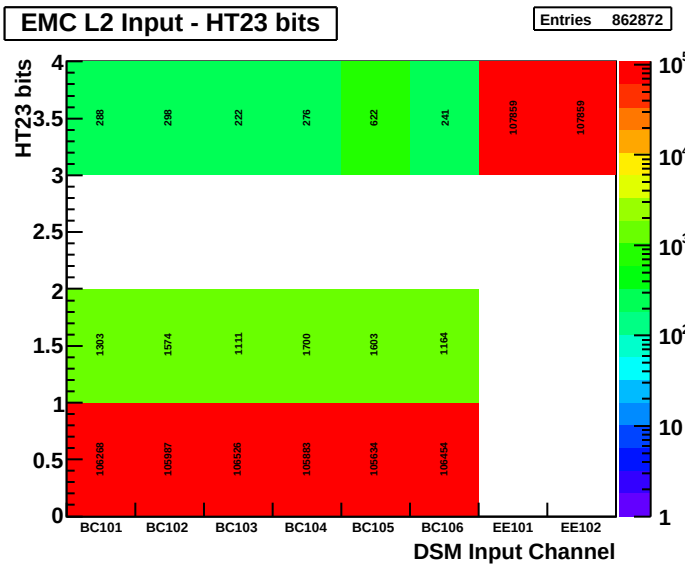

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

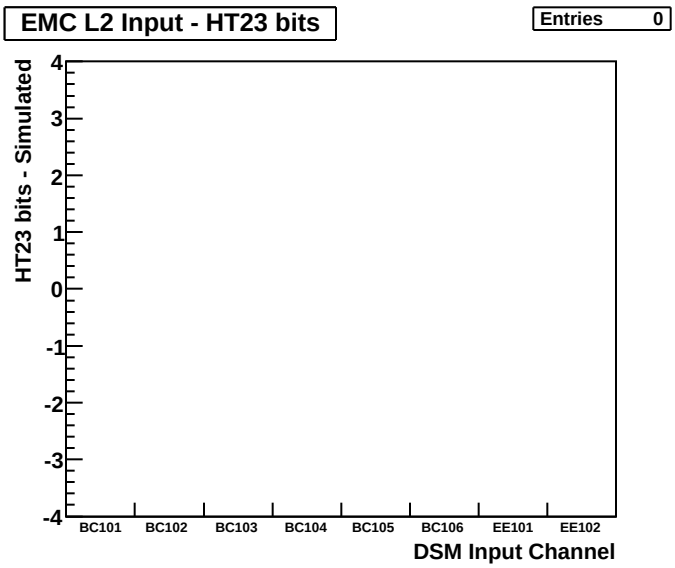

EMC L2 Input - Partial JP Sum
Entries 862872
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

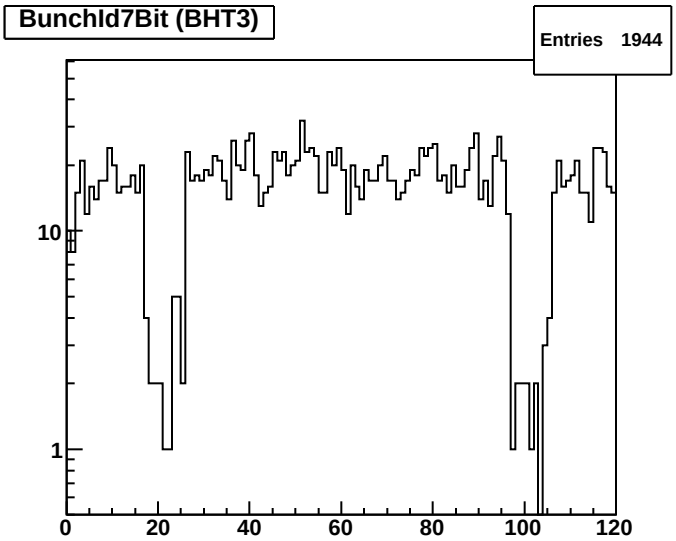

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

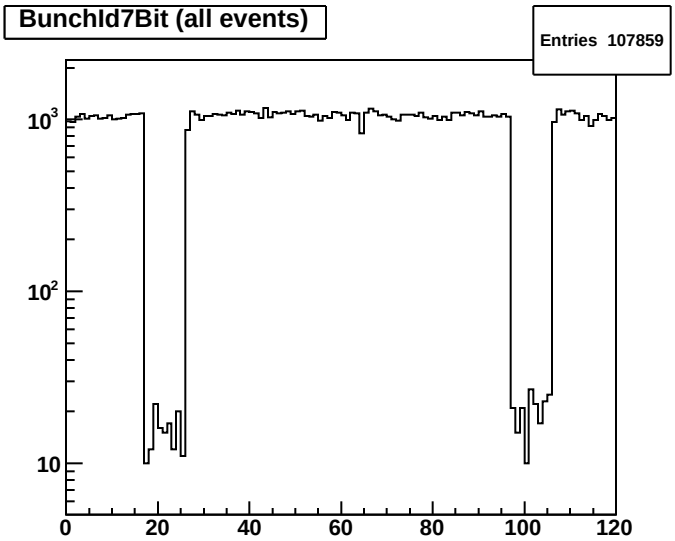

EMC L2 Input - HT01 bits/Partial JP ID
Entries 862872
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

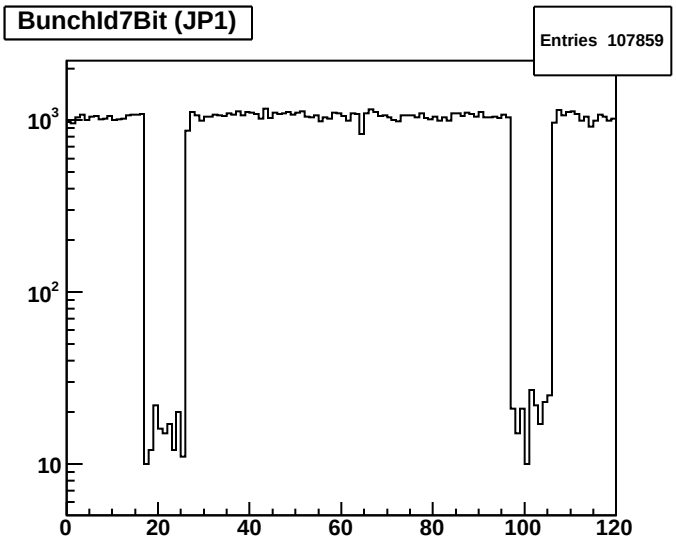

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

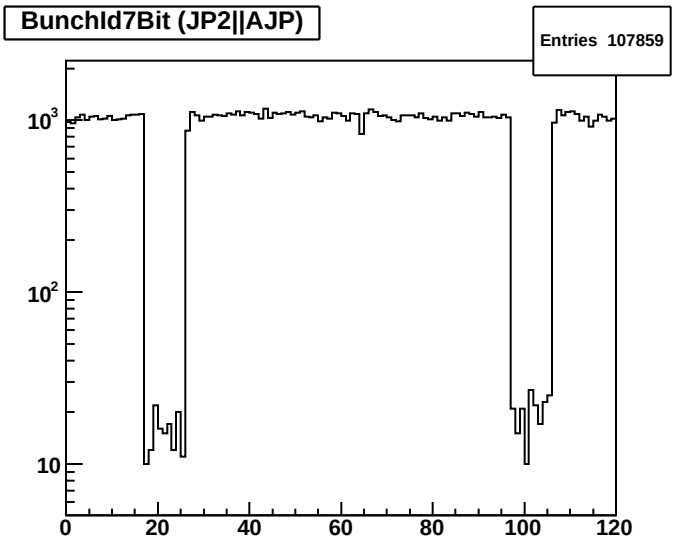

EMC L2 Input - HT23 bits
Entries 862872
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

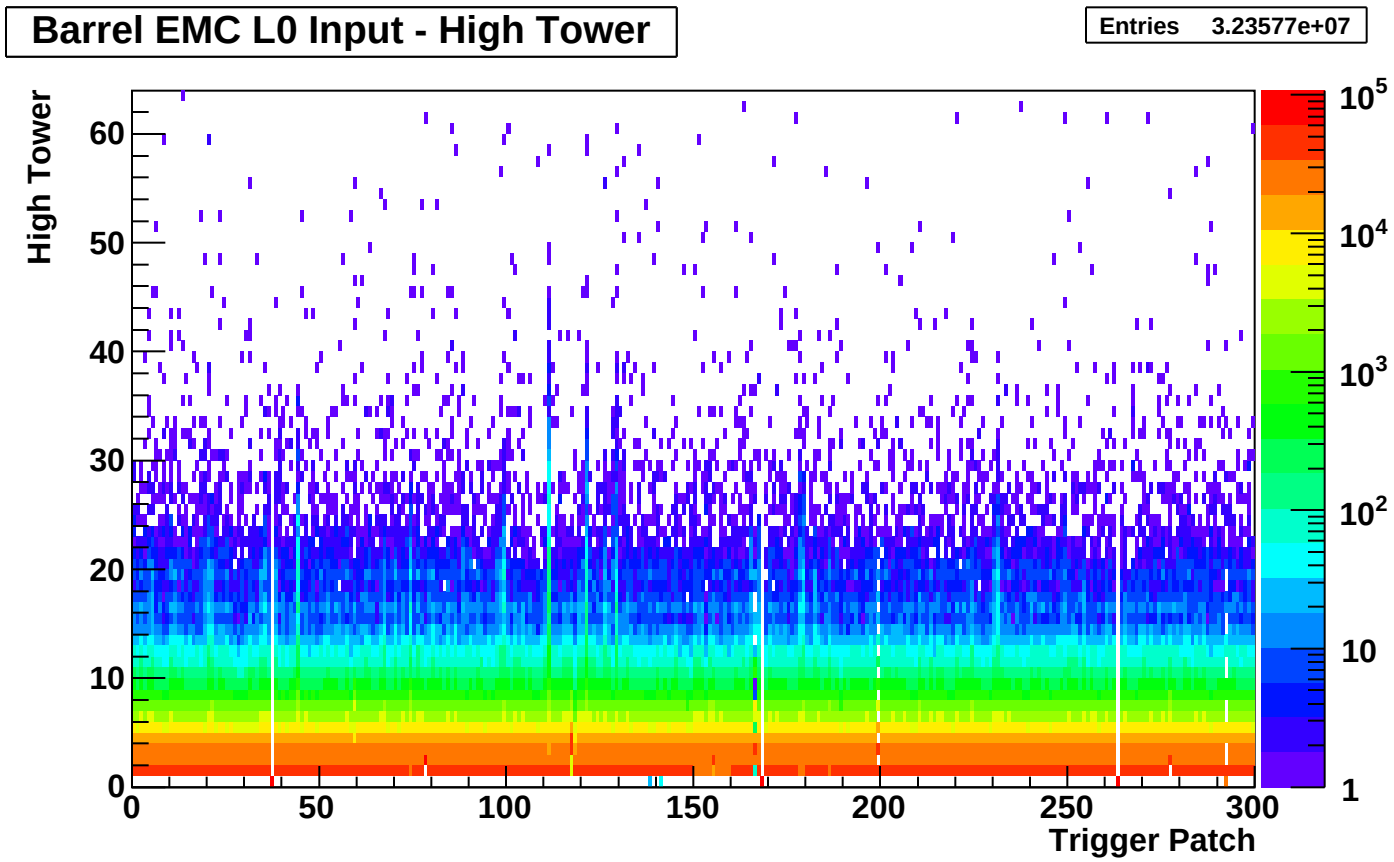

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

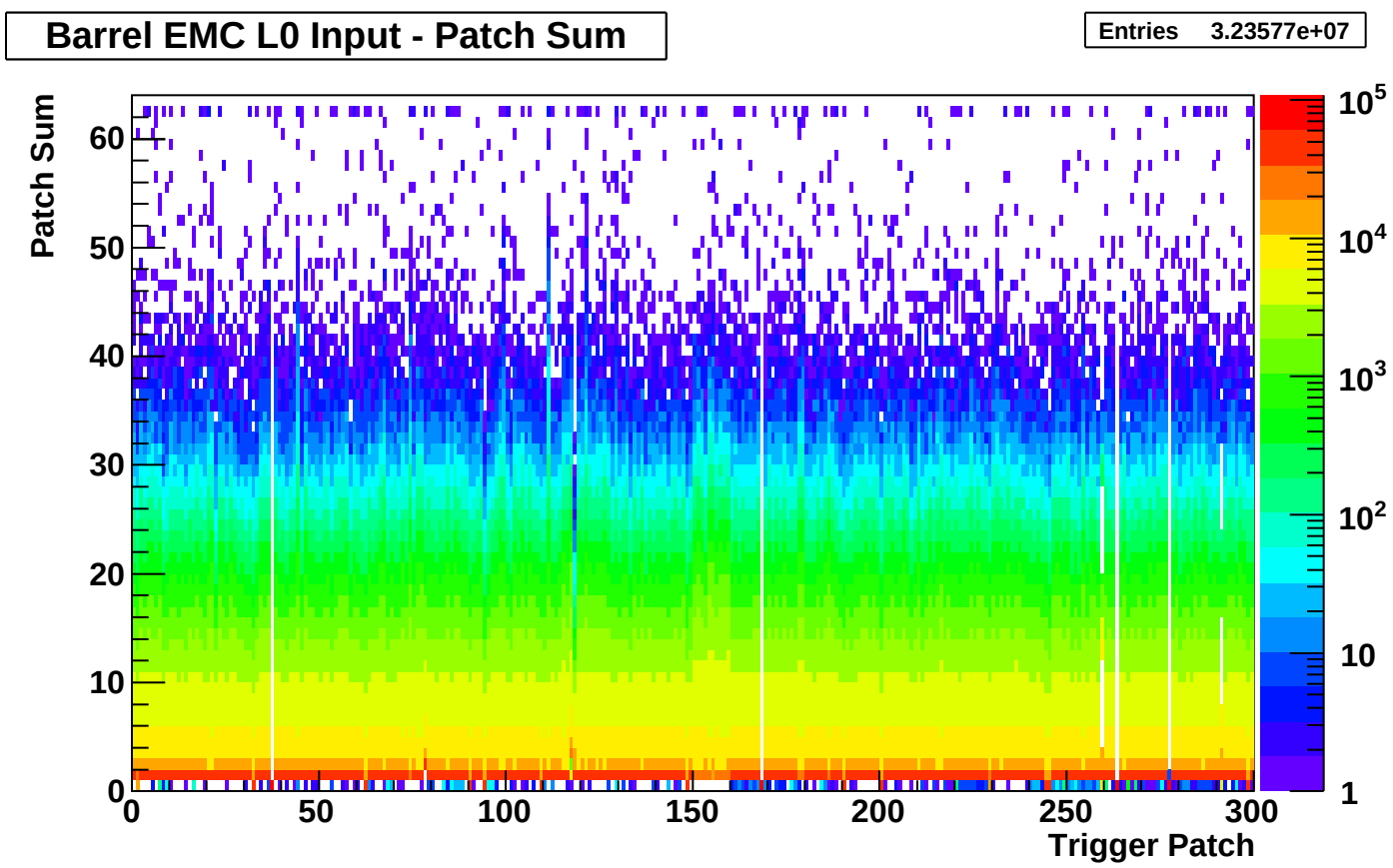

BunchId7Bit (BHT3)
Entries 1944
10
1
0
20
40
60
80
100
120

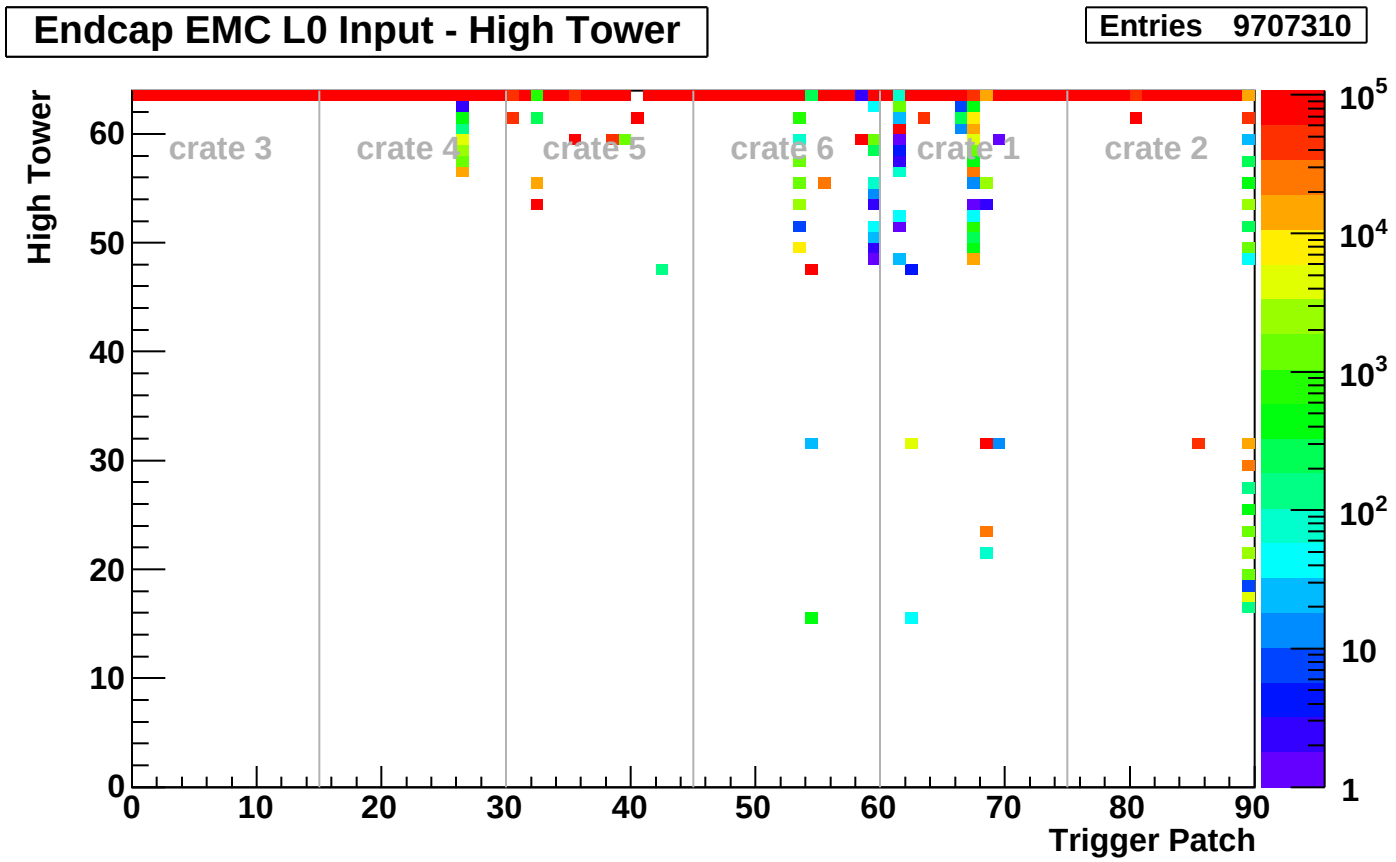

BunchId7Bit (all events)
Entries 107859
10^3
10^2
10
0
20
40
60
80
100
120

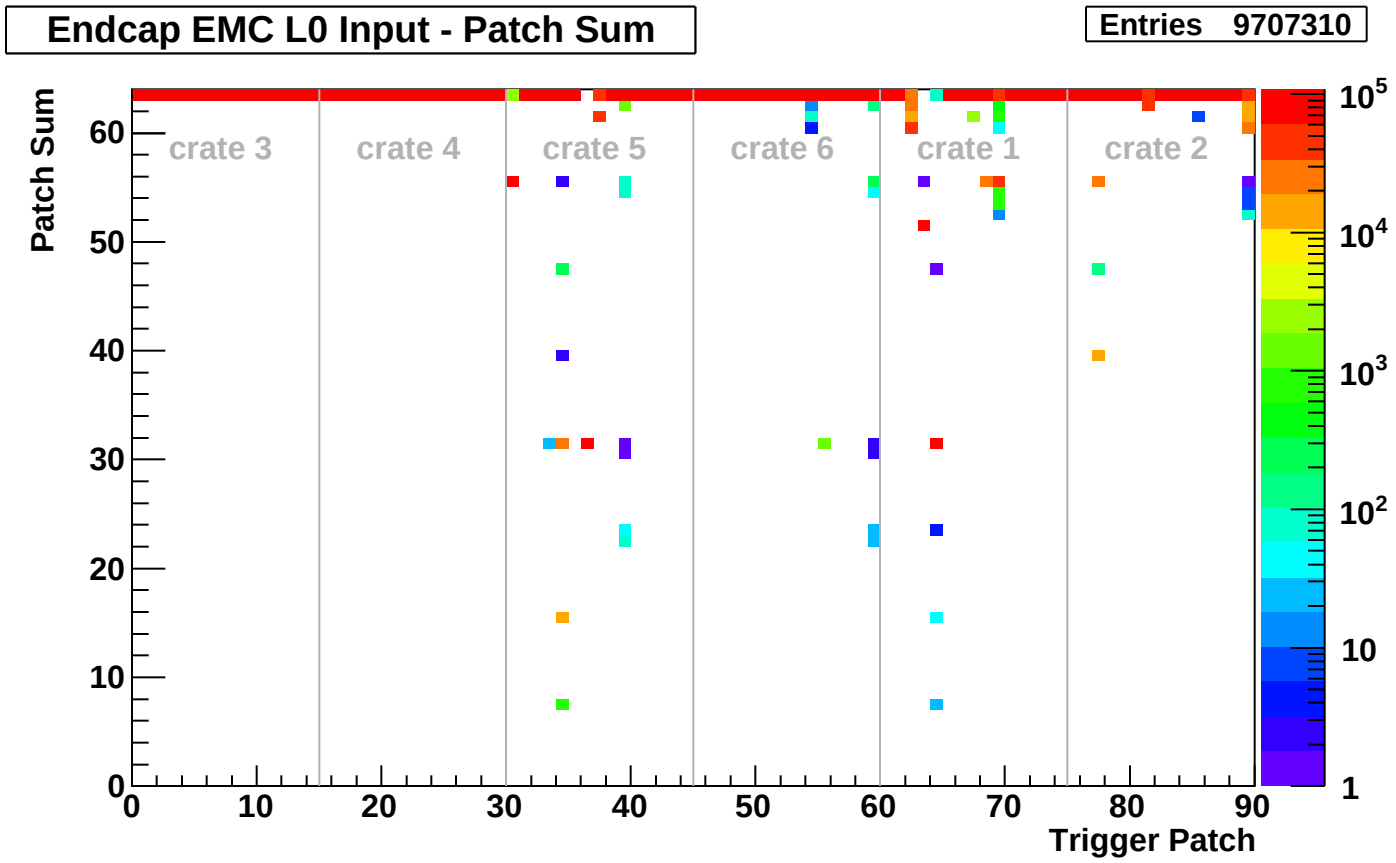

BunchId7Bit (JP1)
Entries 107859
10^3
10^2
10
0
20
40
60
80
100
120

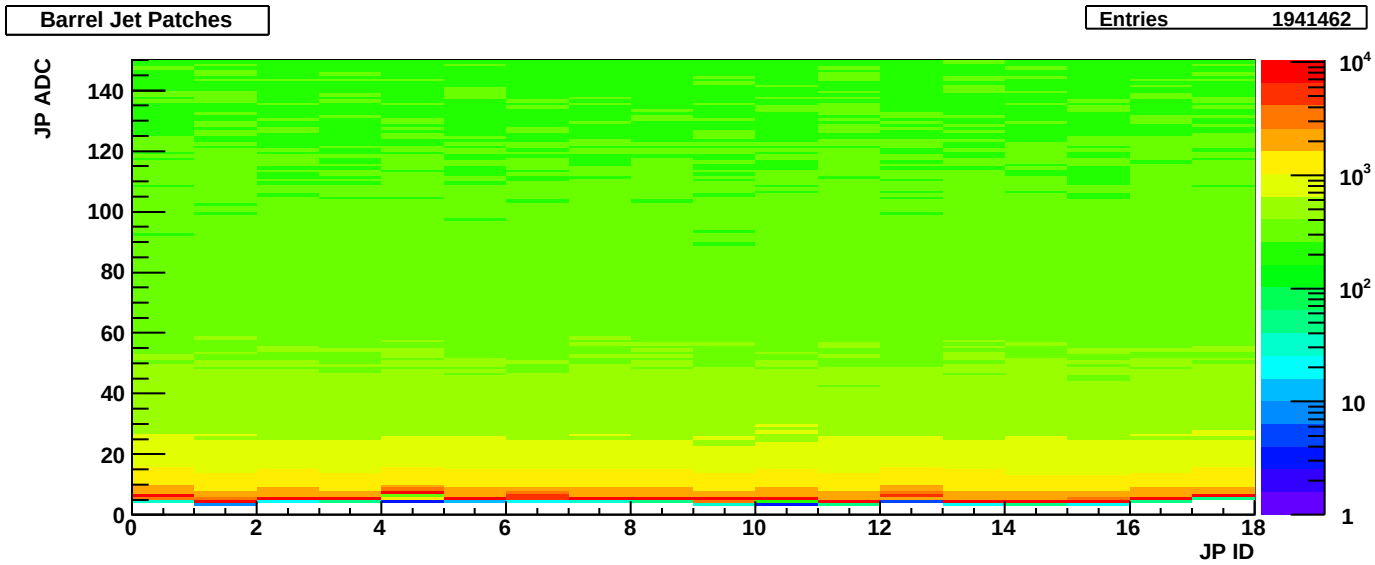

BunchId7Bit (JP2||AJP)
Entries 107859
10^3
10^2
10
0
20
40
60
80
100
120

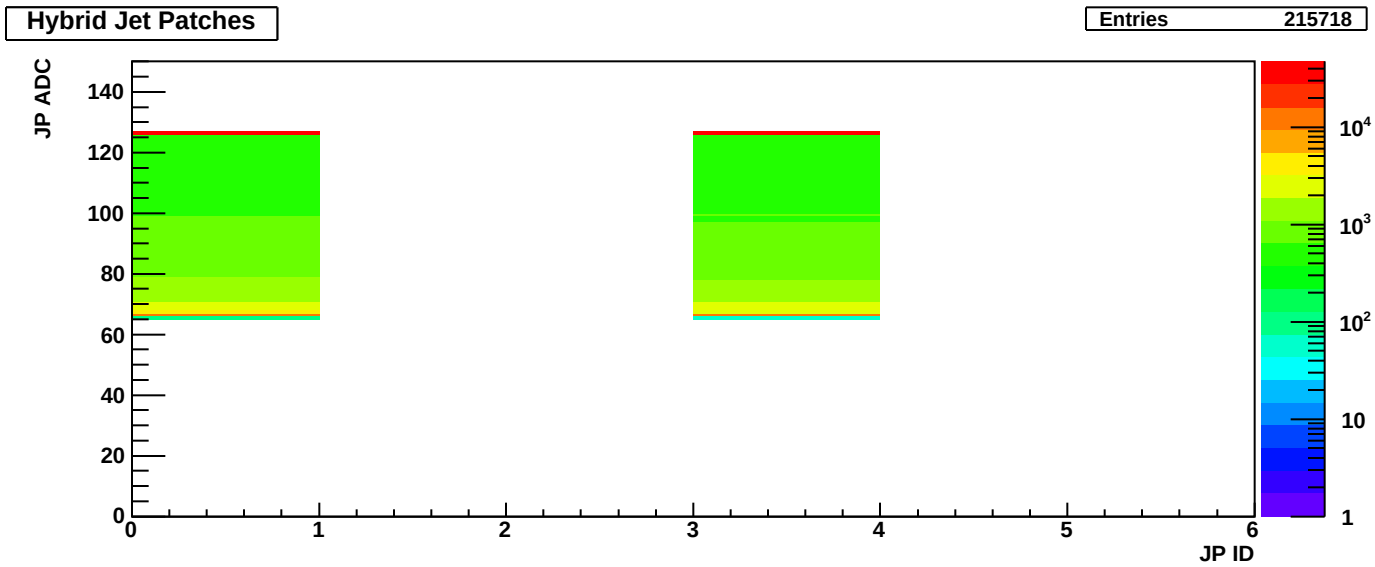

Barrel EMC L0 Input - High Tower
Entries 3.23577e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

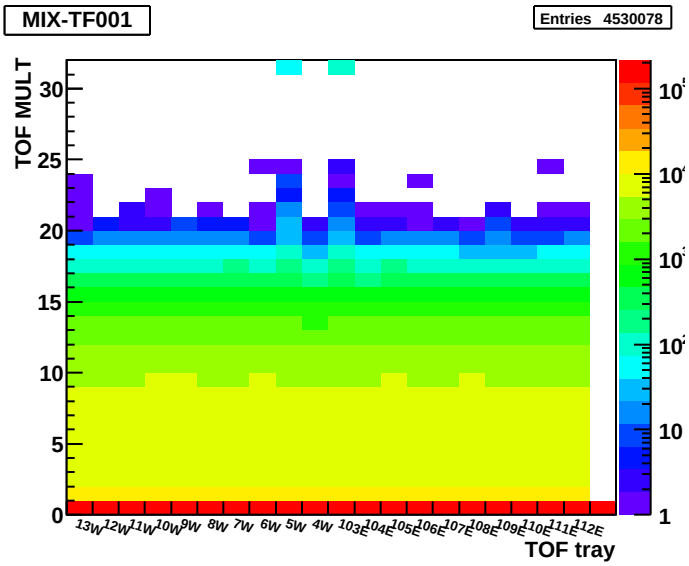

Barrel EMC L0 Input - Patch Sum
Entries 3.23577e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

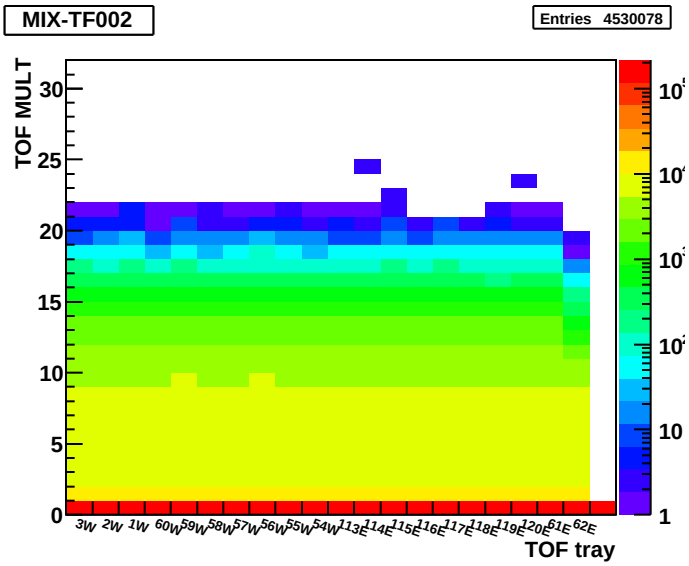

Endcap EMC L0 Input - High Tower
Entries 9707310
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

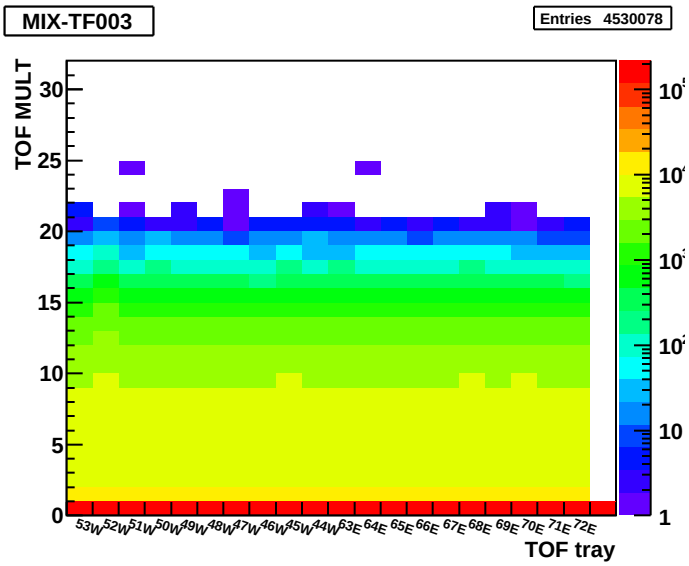

Endcap EMC L0 Input - Patch Sum
Entries 9707310
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

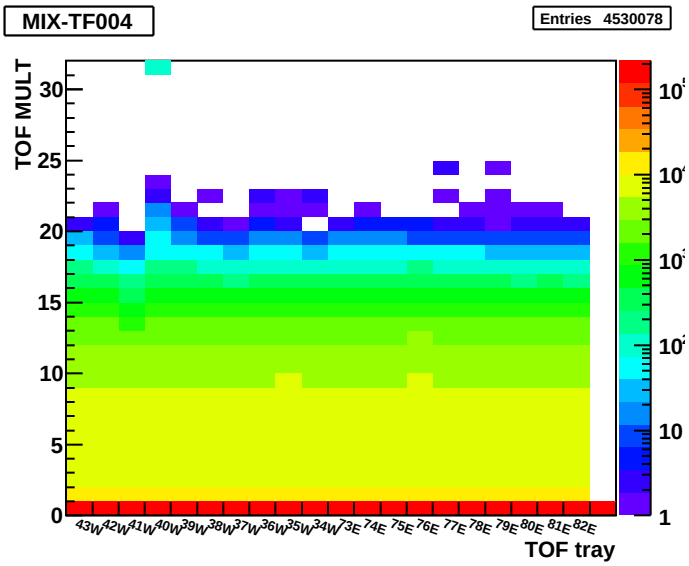

Barrel Jet Patches
Entries 1941462
JP ADC
JP ID

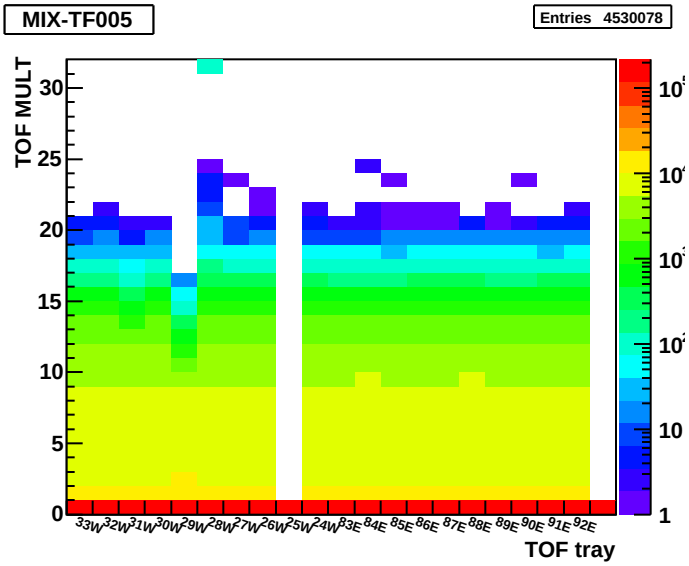

Hybrid Jet Patches
Entries 215718
JP ADC
JP ID

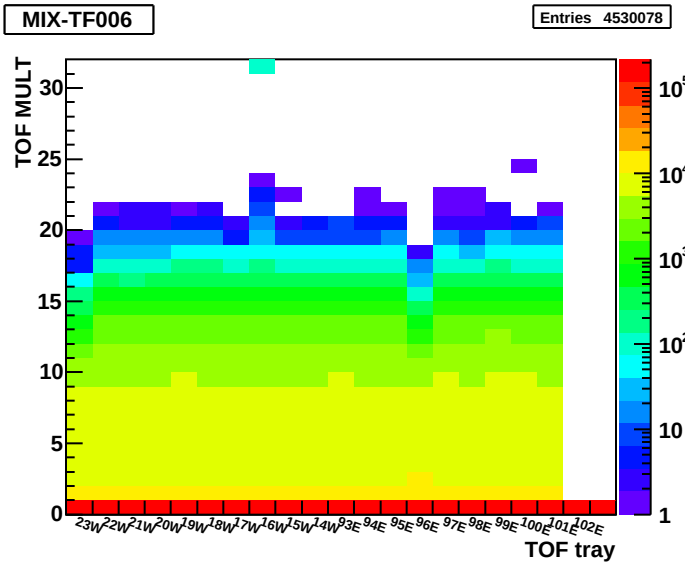

MIX-TF001
Entries 4530078
TOF MULT
TOF tray

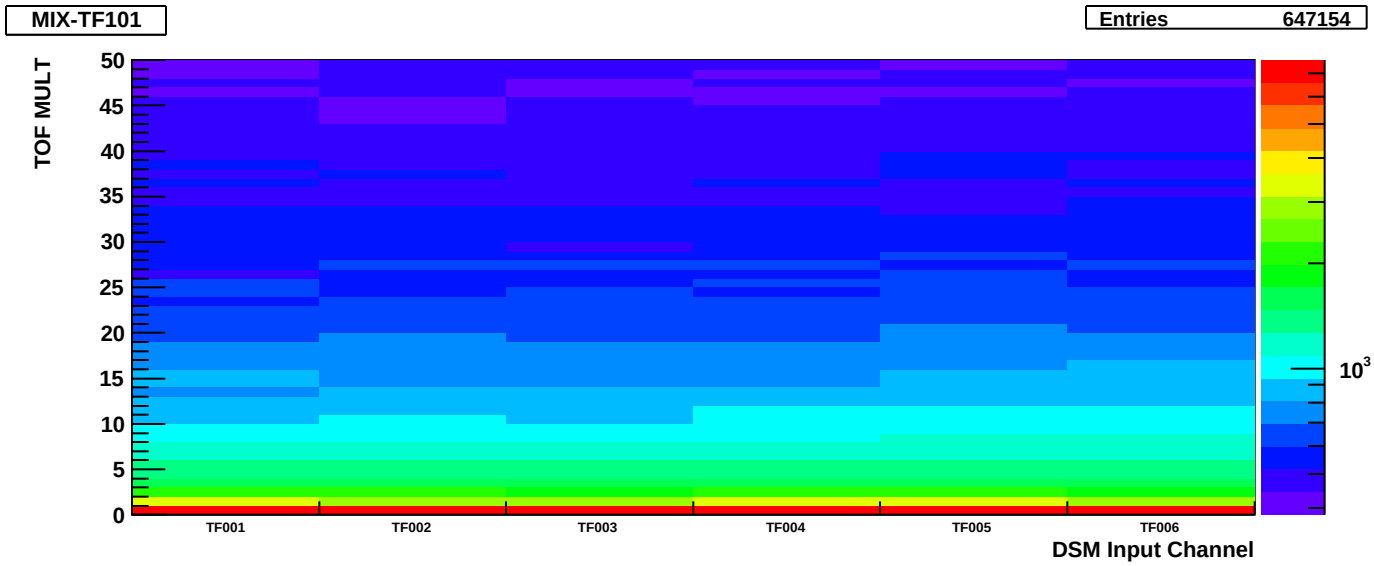

MIX-TF002
Entries 4530078
TOF MULT
TOF tray

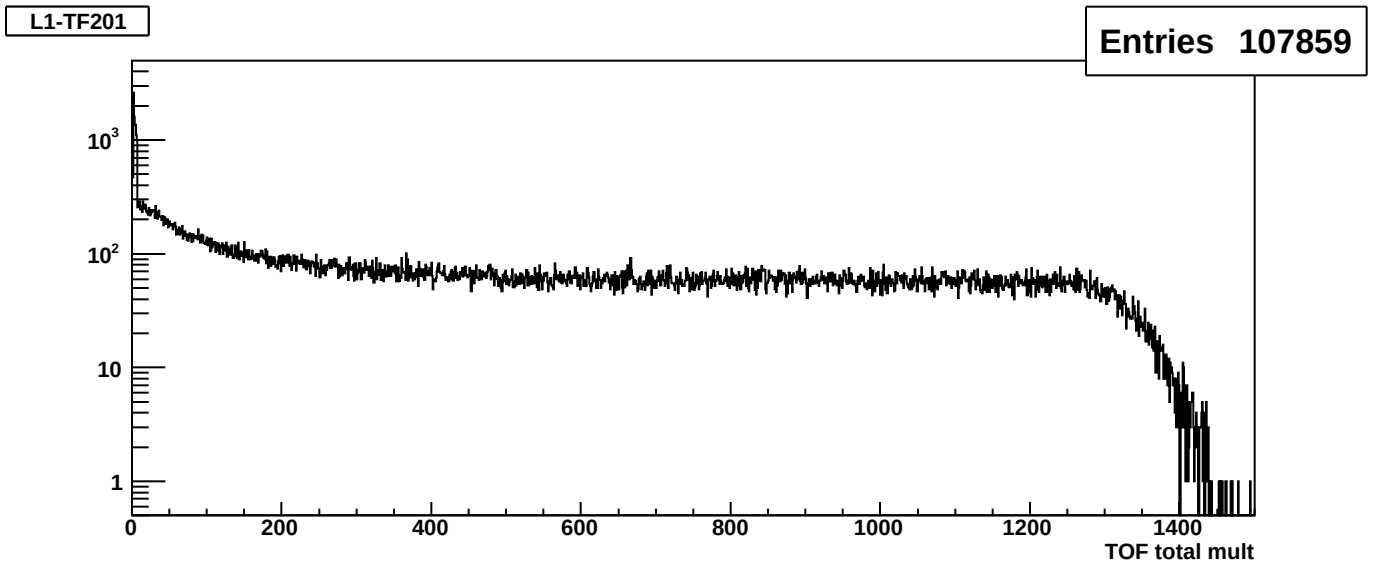

MIX-TF003
Entries 4530078
TOF MULT
TOF tray

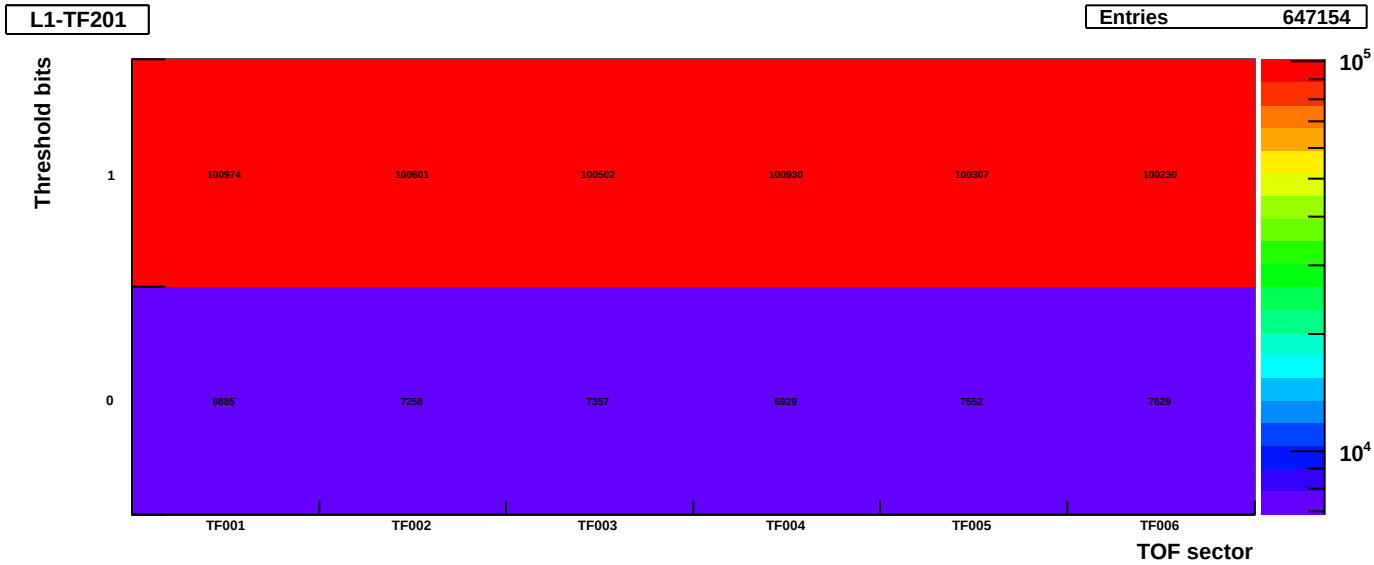

MIX-TF004
Entries 4530078
TOF MULT
TOF tray

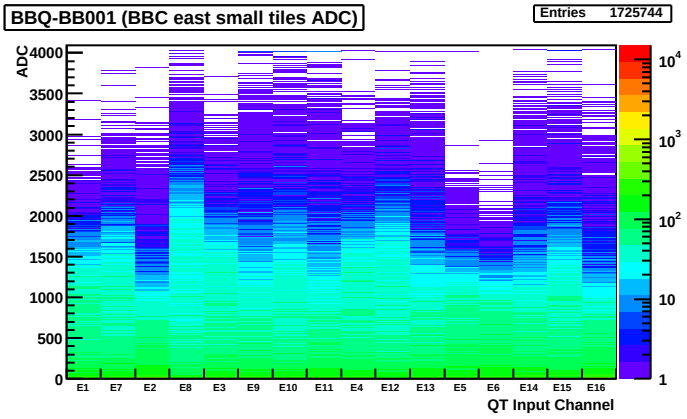

MIX-TF005
Entries 4530078
TOF MULT
TOF tray

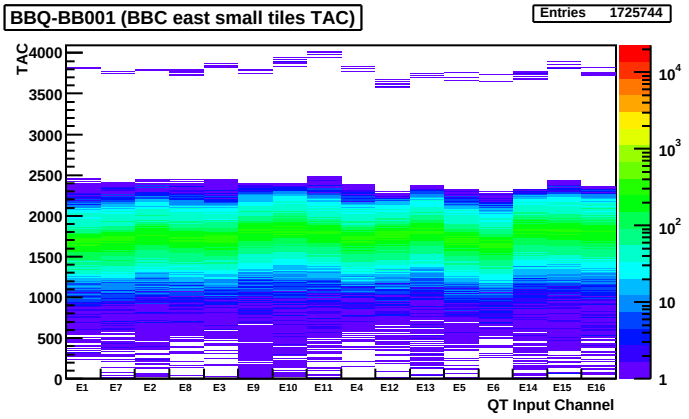

MIX-TF006
Entries 4530078
TOF MULT
TOF tray

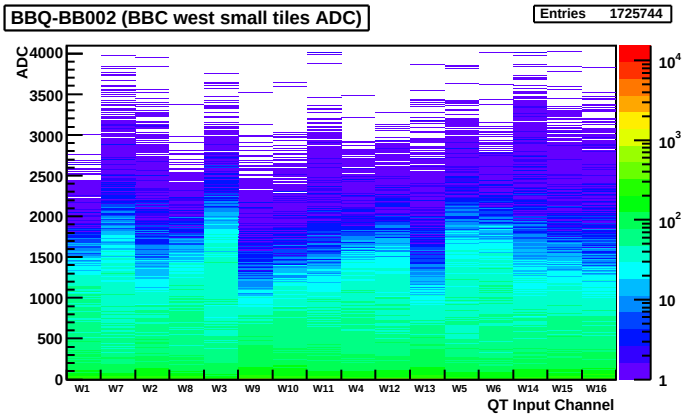

MIX-TF101
Entries 647154
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3

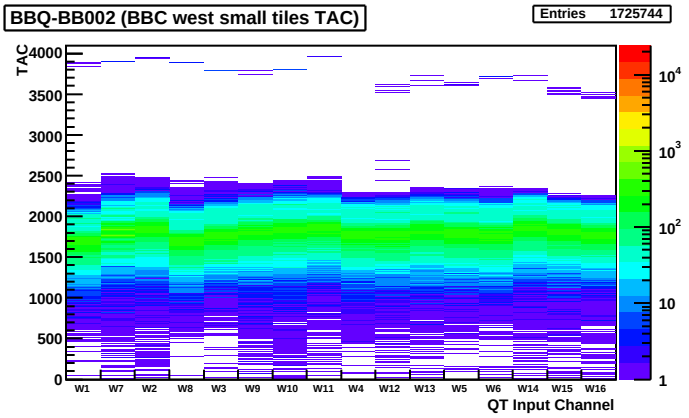

L1-TF201
Entries 107859
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

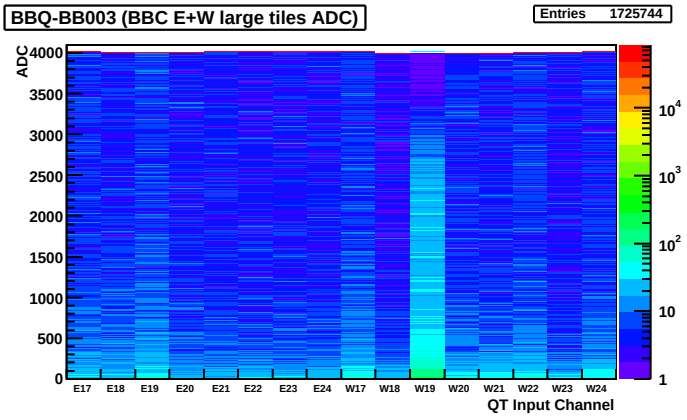

L1-TF201
Entries 647154
Threshold bits
1
0
100974
100601
100502
100930
100307
100230
6885
7258
7357
6929
7552
7629
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5
10^4

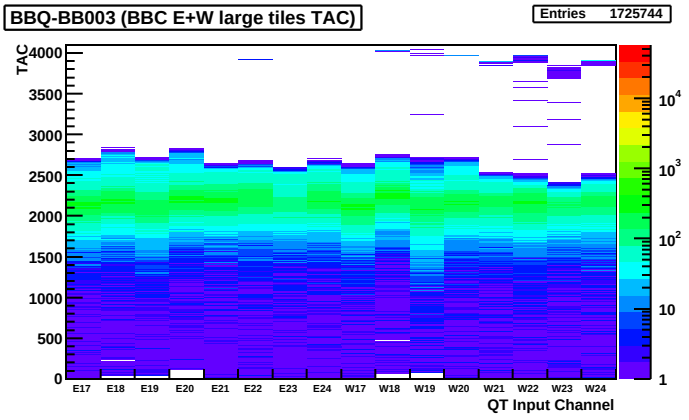

BBQ-BB001 (BBC east small tiles ADC)
Entries 1725744
ADC
QT Input Channel

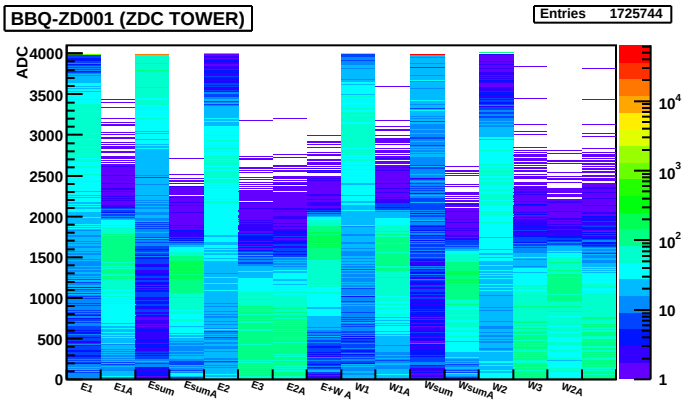

BBQ-BB001 (BBC east small tiles TAC)
Entries 1725744
TAC
QT Input Channel

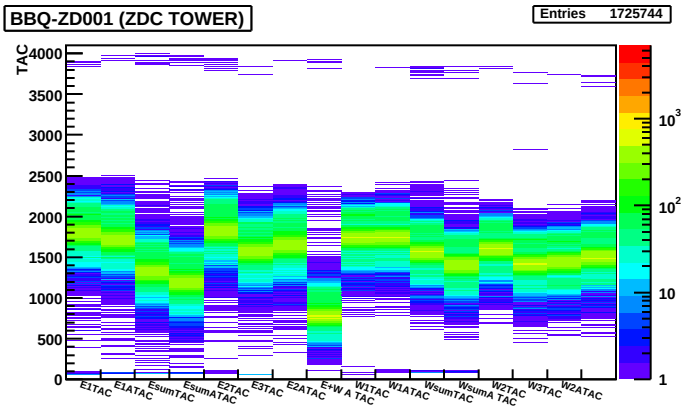

BBQ-BB002 (BBC west small tiles ADC)
Entries 1725744
ADC
QT Input Channel

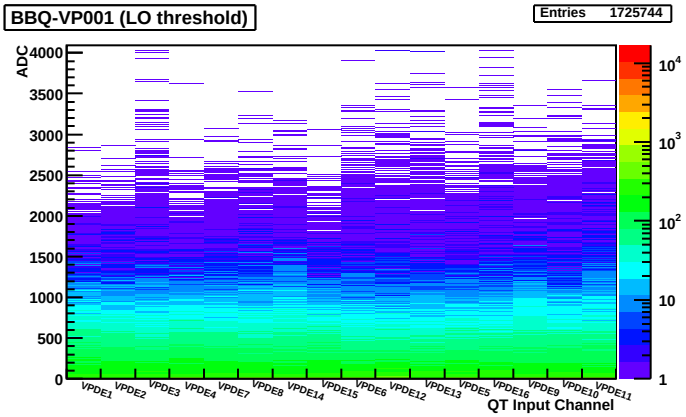

BBQ-BB002 (BBC west small tiles TAC)
Entries 1725744
TAC
QT Input Channel

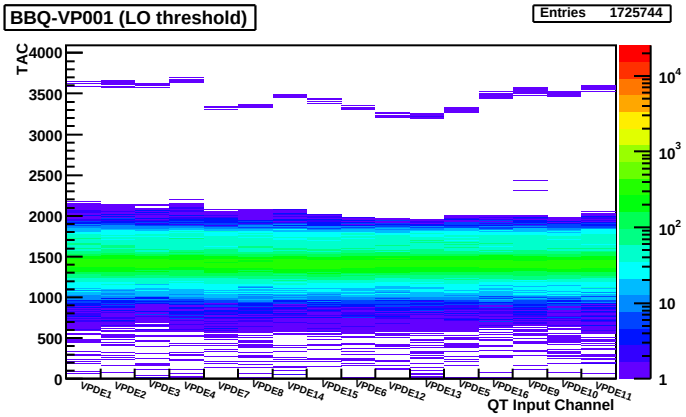

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1725744
ADC
QT Input Channel

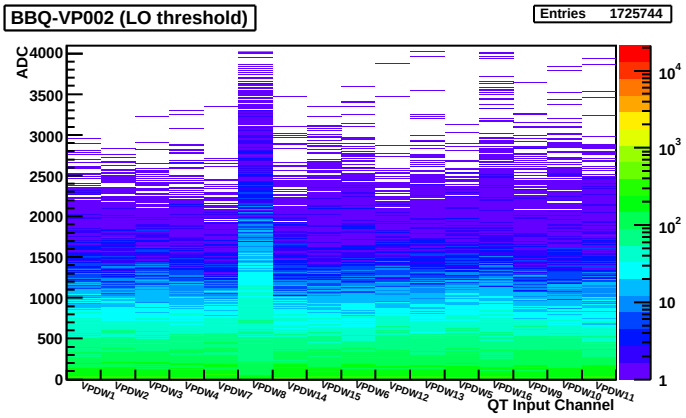

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1725744
TAC
QT Input Channel

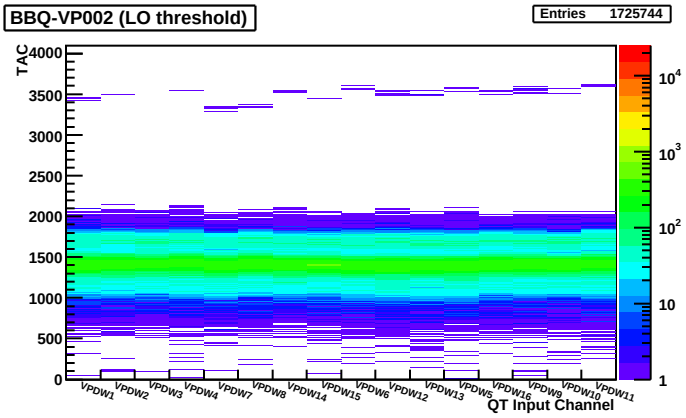

BBQ-ZD001 (ZDC TOWER)
Entries 1725744
ADC

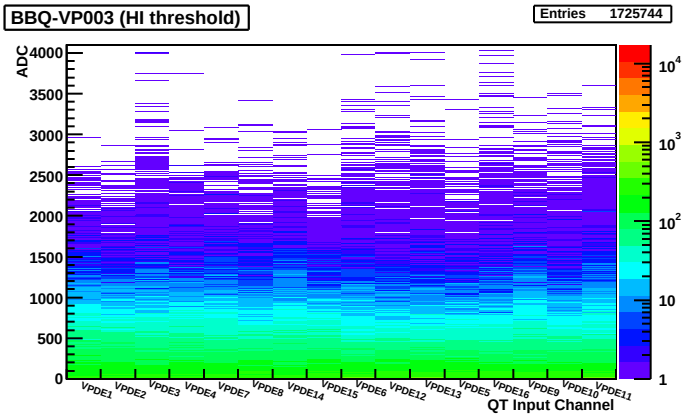

BBQ-ZD001 (ZDC TOWER)
Entries 1725744
TAC

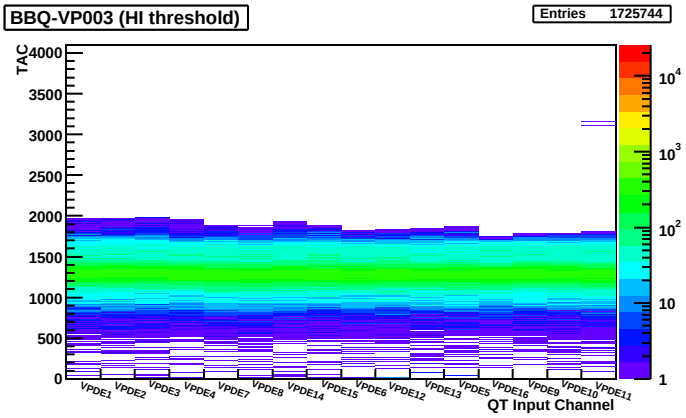

BBQ-VP001 (LO threshold)
Entries 1725744
ADC
QT Input Channel

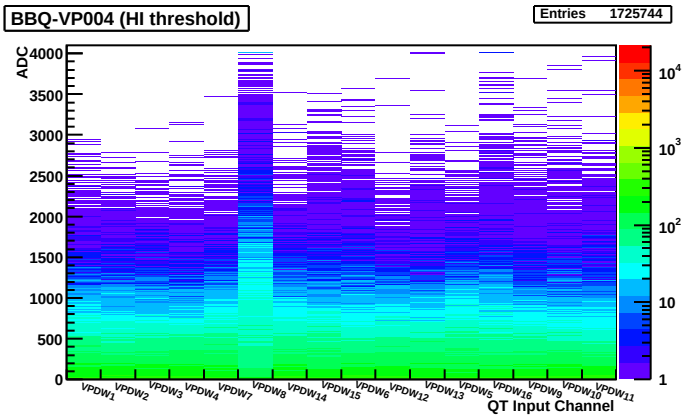

BBQ-VP001 (LO threshold)
Entries 1725744
TAC
QT Input Channel

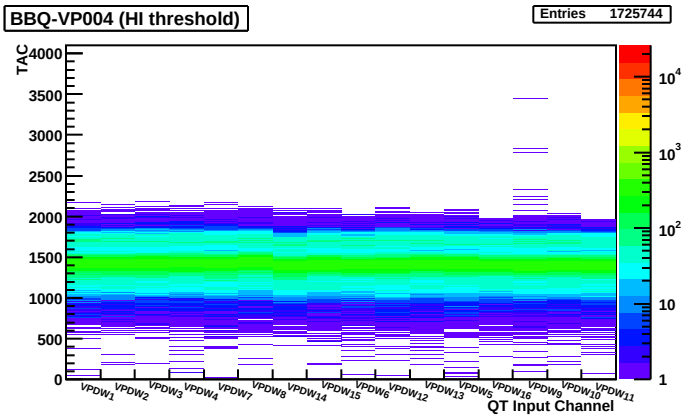

BBQ-VP002 (LO threshold)
Entries 1725744
ADC
QT Input Channel

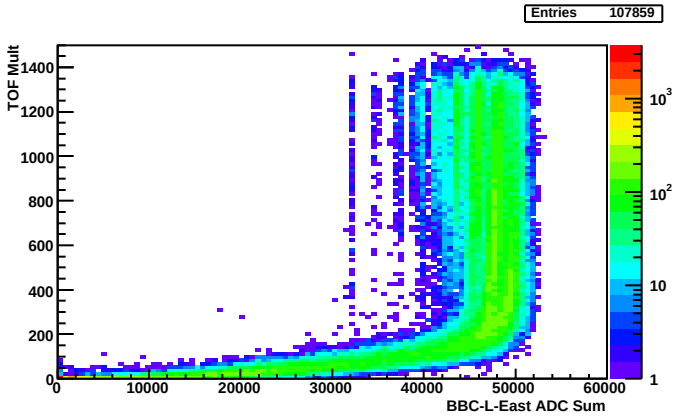

BBQ-VP002 (LO threshold)
Entries 1725744
TAC
QT Input Channel

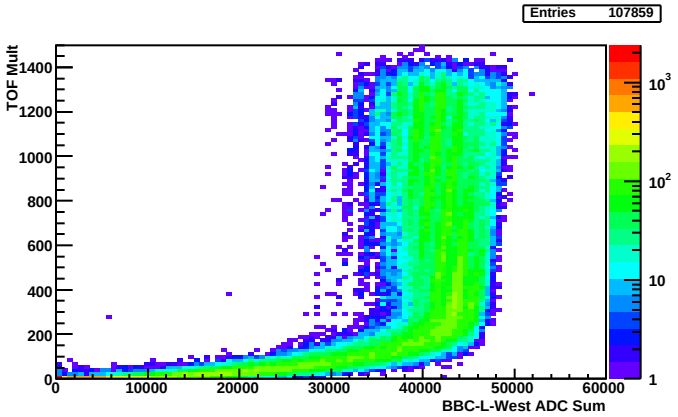

BBQ-VP003 (HI threshold)
Entries 1725744
ADC
QT Input Channel

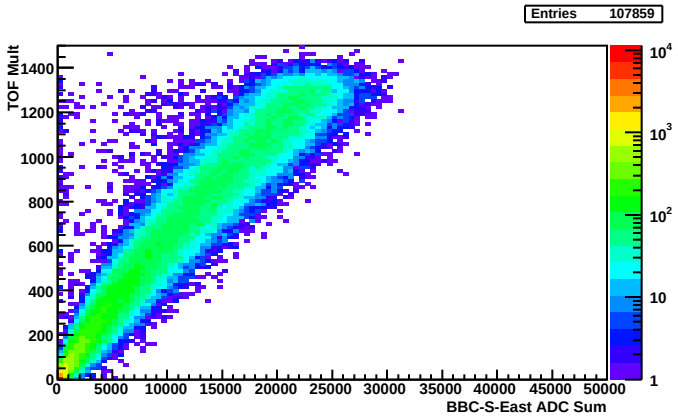

BBQ-VP003 (HI threshold)
Entries 1725744
TAC
QT Input Channel

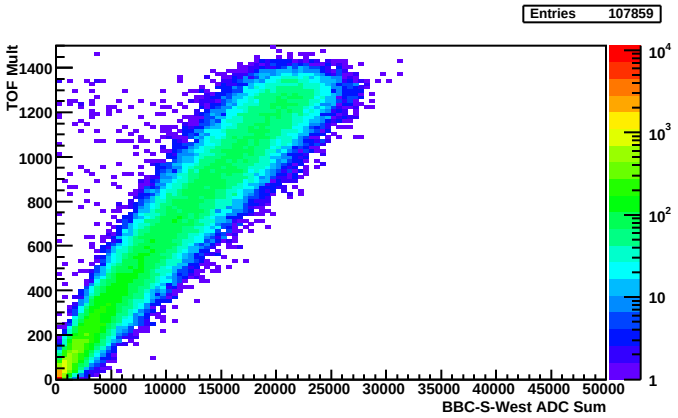

BBQ-VP004 (HI threshold)
Entries 1725744
ADC
QT Input Channel

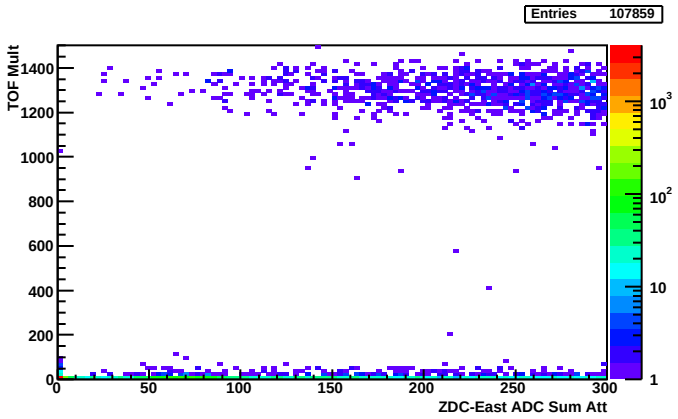

BBQ-VP004 (HI threshold)
Entries 1725744
TAC
QT Input Channel

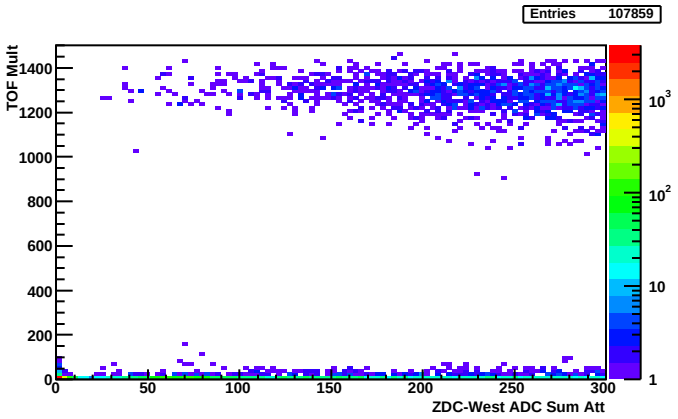

Entries 107859
TOF Mult
BBC-L-East ADC Sum

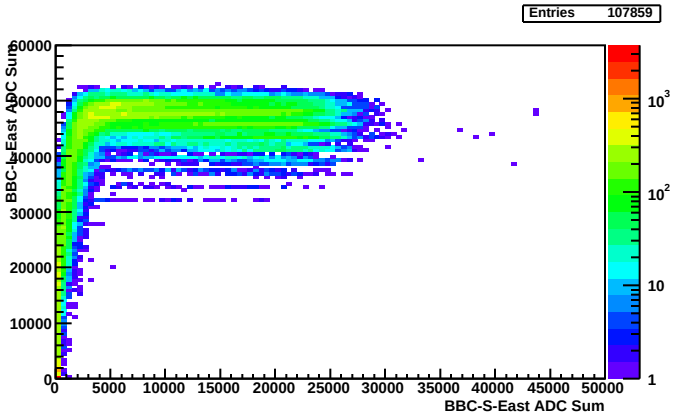

Entries 107859
TOF Mult
BBC-L-West ADC Sum

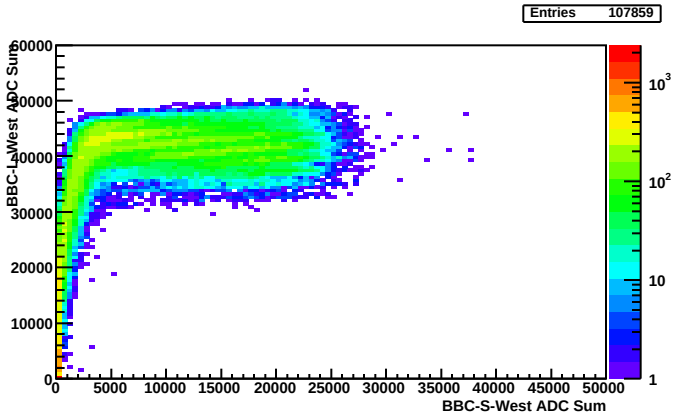

Entries 107859
TOF Mult
BBC-S-East ADC Sum

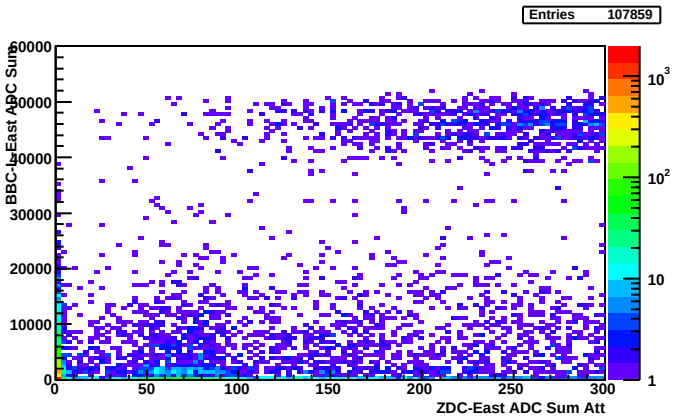

Entries 107859
TOF Mult
BBC-S-West ADC Sum


Entries 107859
TOF Mult
ZDC-East ADC Sum Att


Entries 107859
TOF Mult
ZDC-West ADC Sum Att


Entries 107859
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 107859
BBC-L-West ADC Sum
BBC-S-West ADC Sum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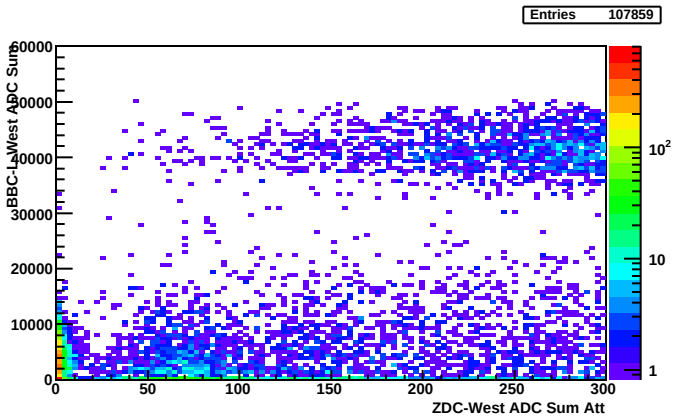
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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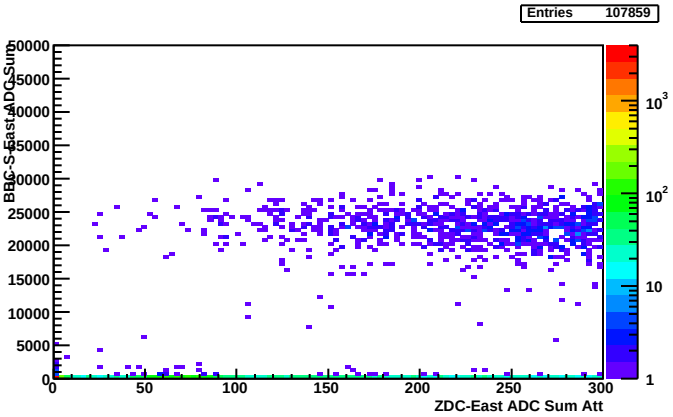
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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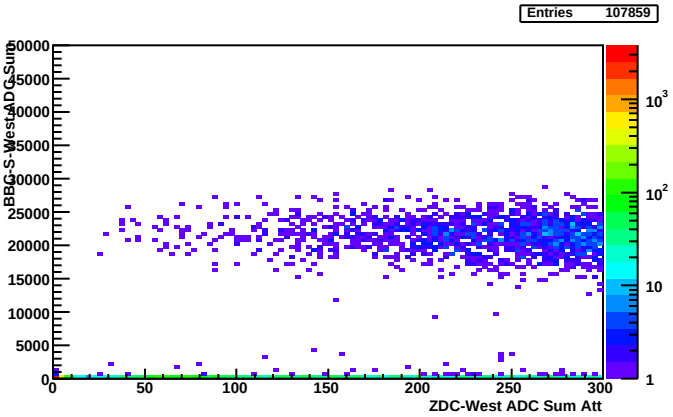
ZDC-East ADC Sum Att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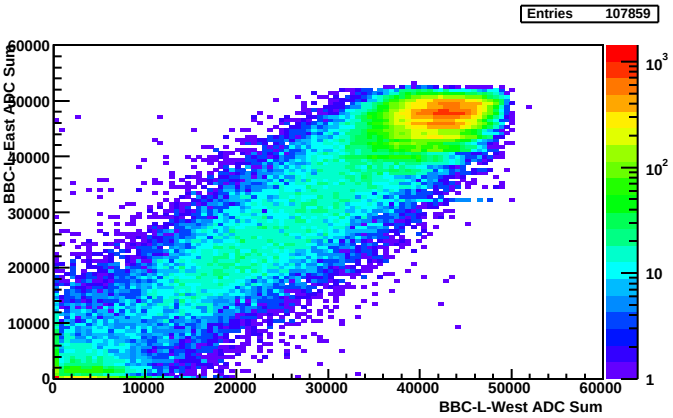
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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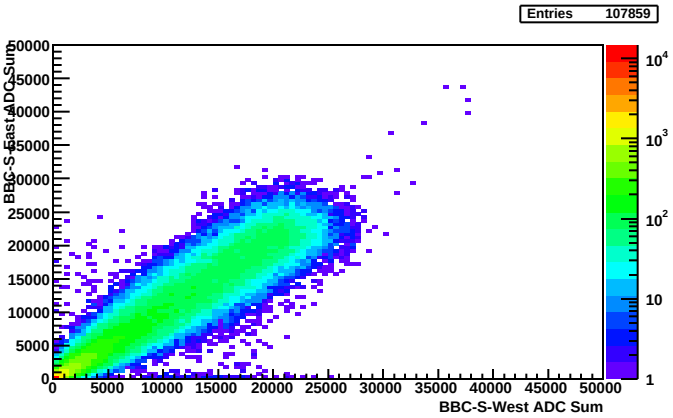
BBC-L-East ADC Sum
BBC-L-West ADC Sum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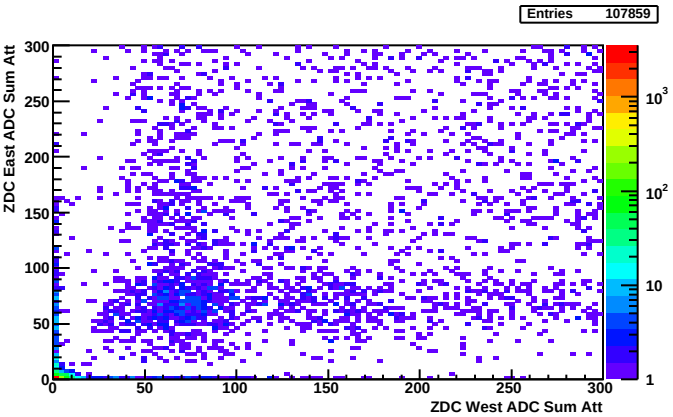
BBC-S-East ADC Sum
BBC-S-West ADC Sum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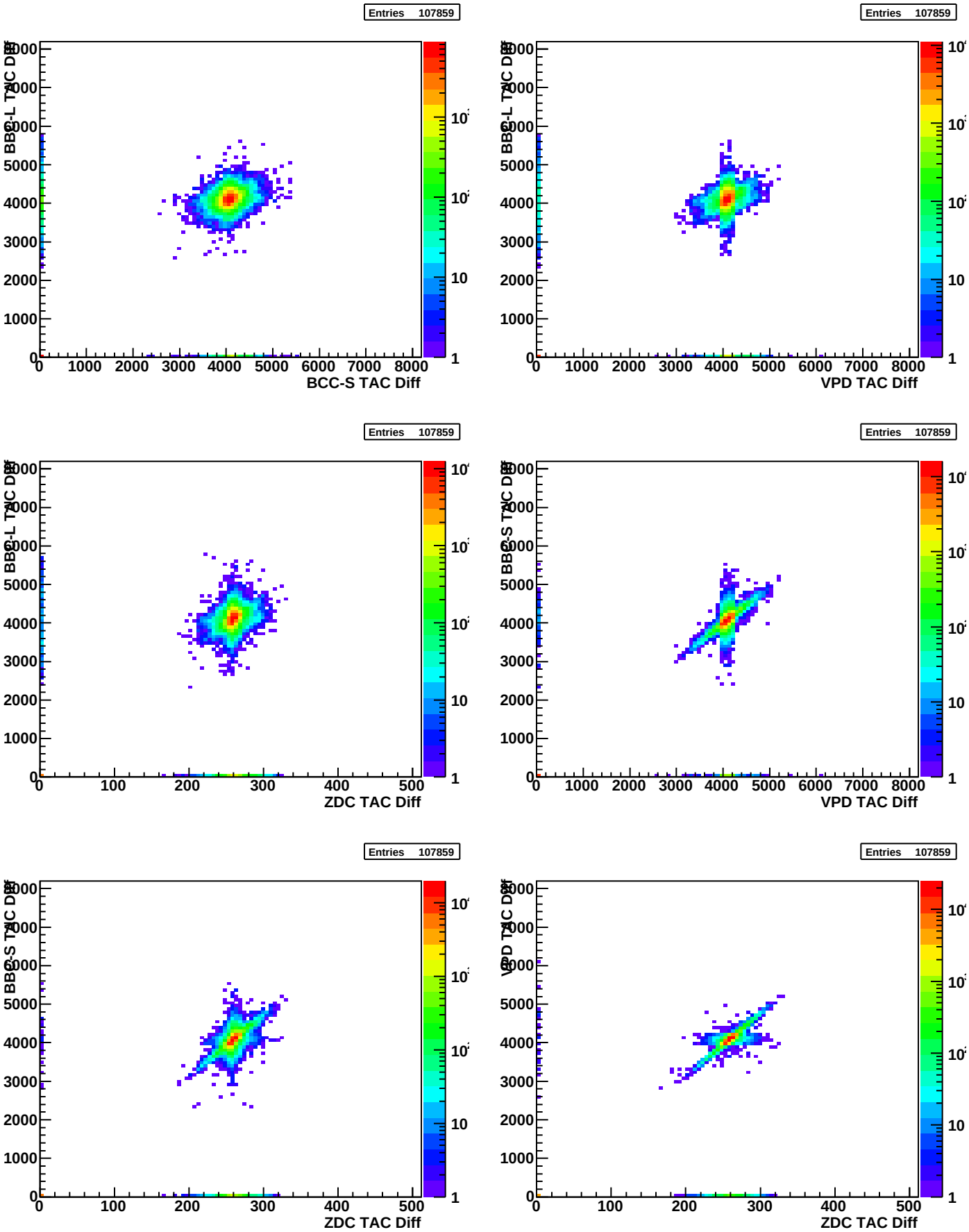
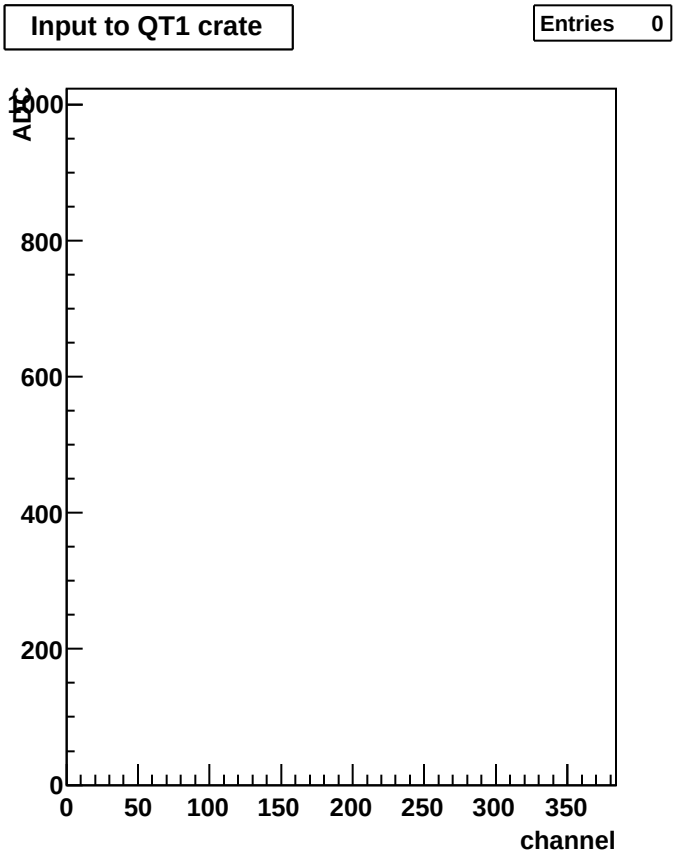
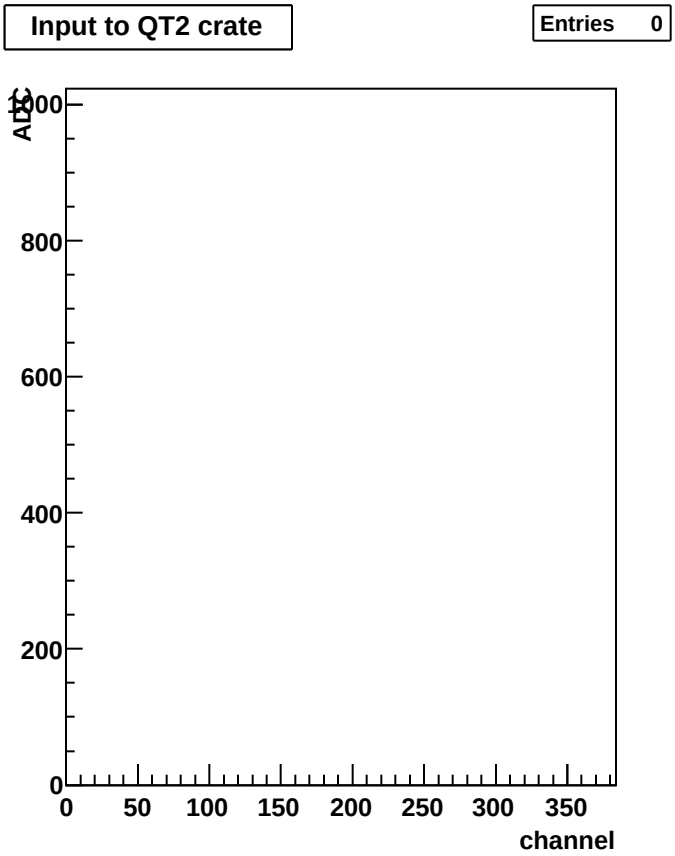
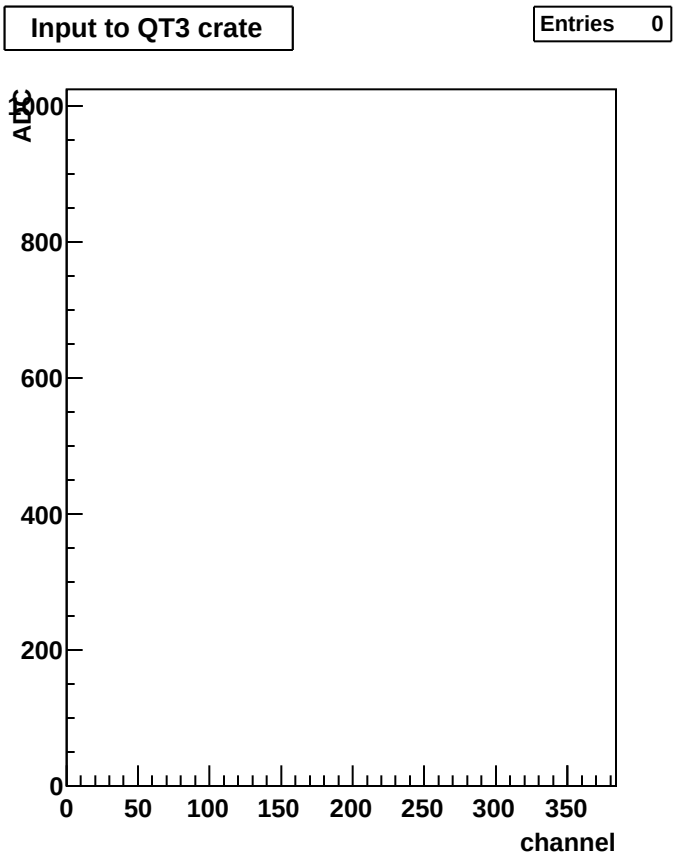
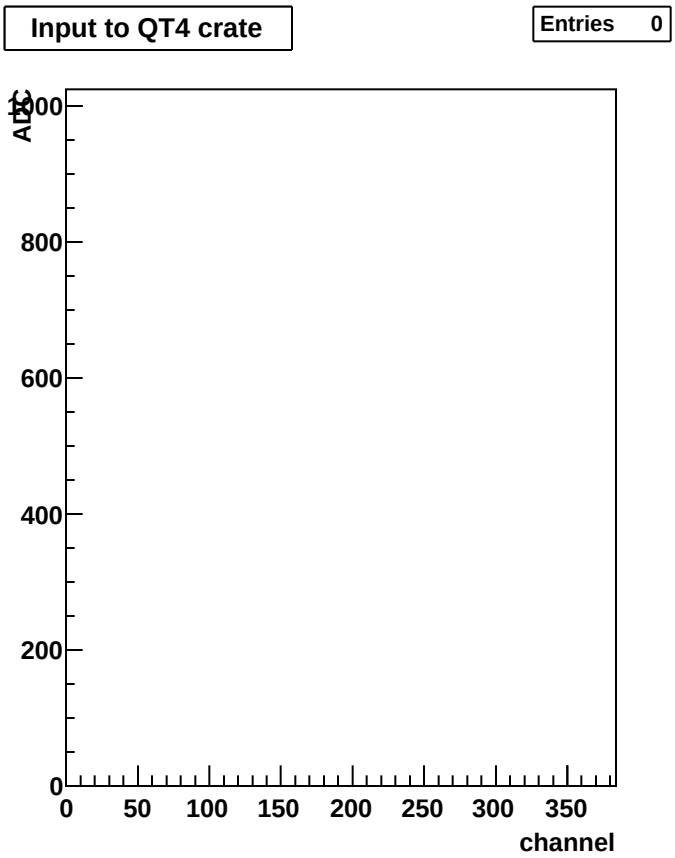
ZDC East ADC Sum Att
ZDC West ADC Sum Att

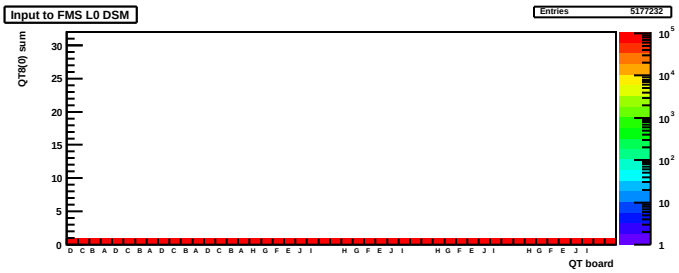

Entries 107859
BBC-L TAC Diff
BCC-S TAC Diff
Entries 107859
BBC-L TAC Diff
VPD TAC Diff
Entries 107859
BBC-L TAC Diff
ZDC TAC Diff
Entries 107859
BBC-S TAC Diff
VPD TAC Diff
Entries 107859
BBC-S TAC Diff
ZDC TAC Diff
Entries 107859
VPD TAC Diff
ZDC TAC Diff

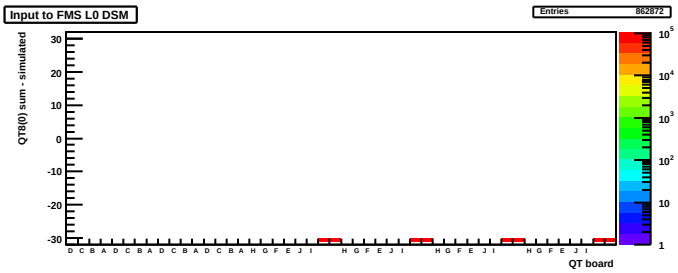

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

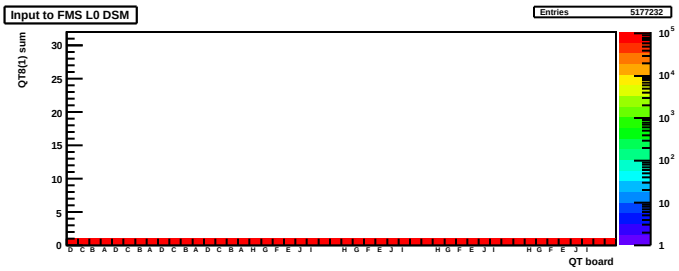

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

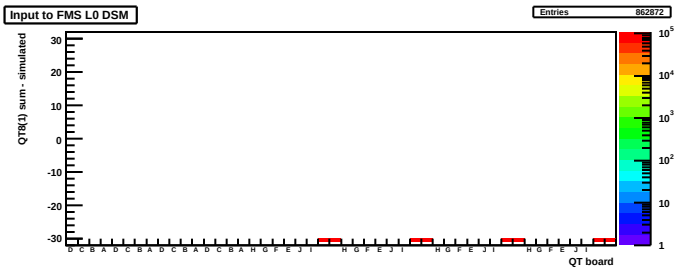

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

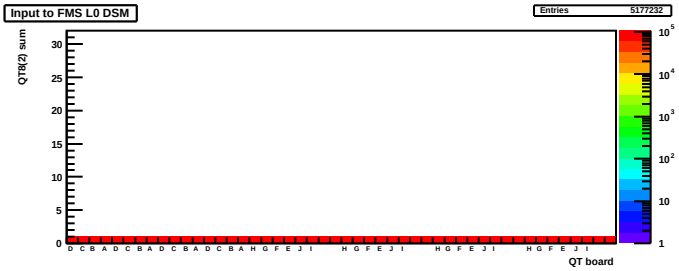

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

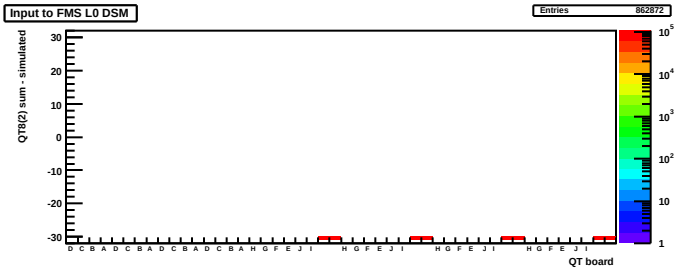

Input to FMS L0 DSM
Entries 5177232
QT8(0) sum
QT board

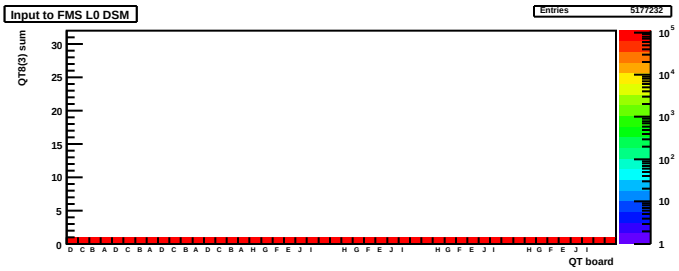

Input to FMS L0 DSM
Entries 862872
QT8(0) sum - simulated
QT board

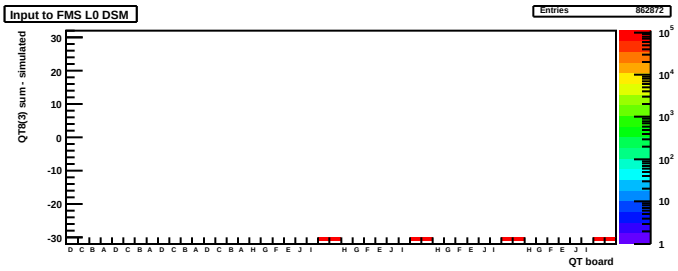

Input to FMS L0 DSM
Entries 5177232
QT8(1) sum
QT board

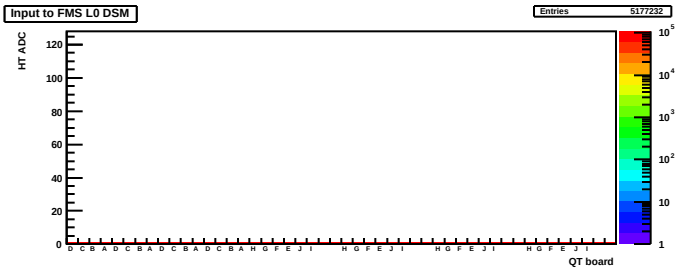

Input to FMS L0 DSM
Entries 862872
QT8(1) sum - simulated
QT board

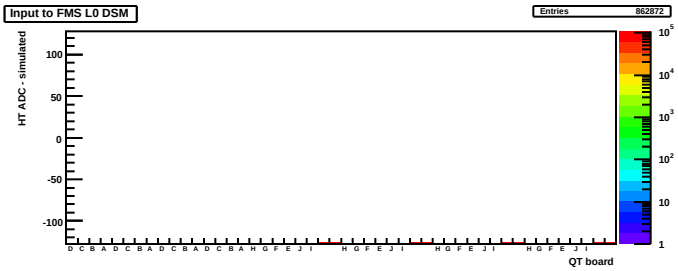

Input to FMS L0 DSM
Entries 5177232
QT8(2) sum
QT board

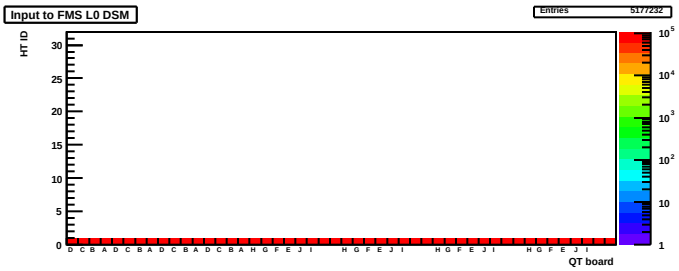

Input to FMS L0 DSM
Entries 862872
QT8(2) sum - simulated
QT board

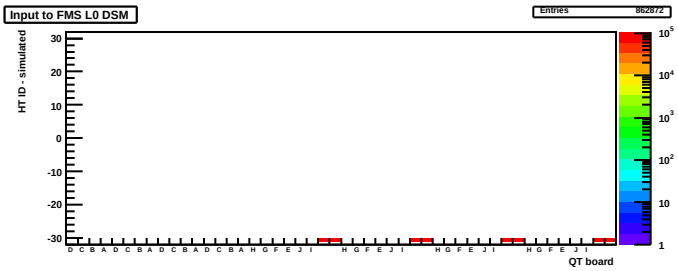

Input to FMS L0 DSM
Entries 5177232
QT8(3) sum
QT board

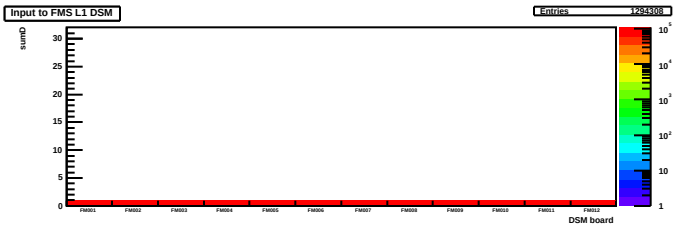

Input to FMS L0 DSM
Entries 862872
QT8(3) sum - simulated
QT board

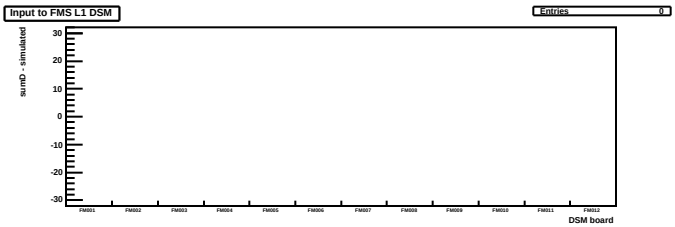

Input to FMS L0 DSM
Entries 5177232
HT ADC
QT board

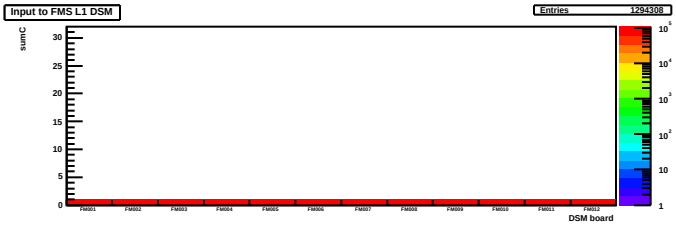

Input to FMS L0 DSM
Entries 862872
HT ADC - simulated
QT board

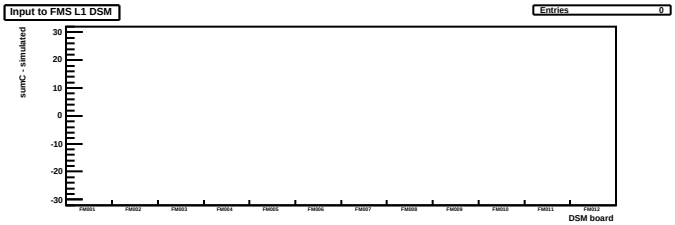

Input to FMS L0 DSM
Entries 5177232
HT ID
QT board

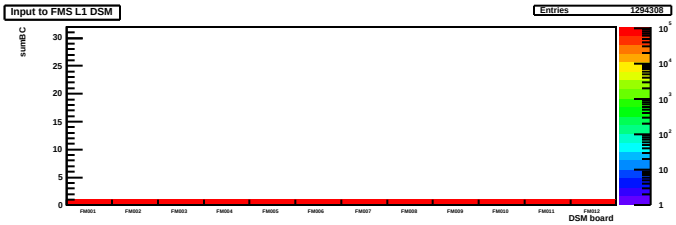

Input to FMS L0 DSM
Entries 862872
HT ID - simulated
QT board

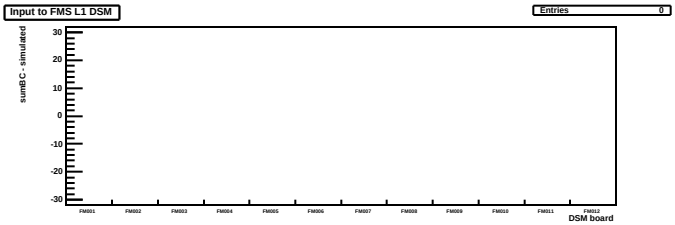

Input to FMS L1 DSM
Entries 1294308
sumD
DSM board

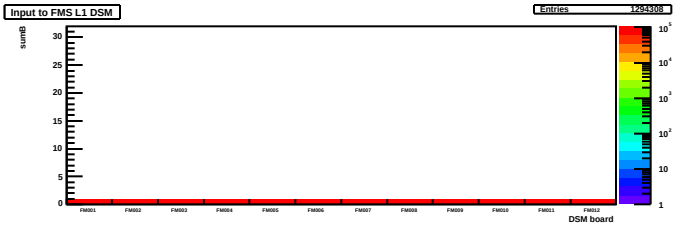

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

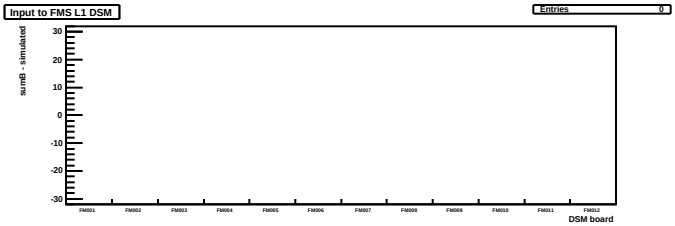

Input to FMS L1 DSM
Entries 1294308
sumC
DSM board

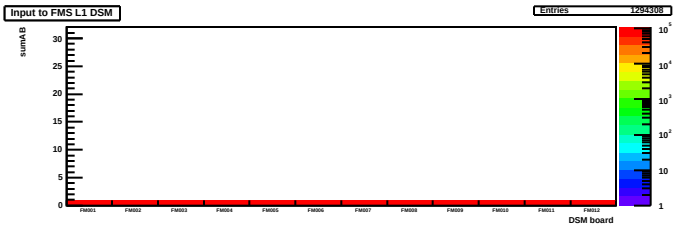

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

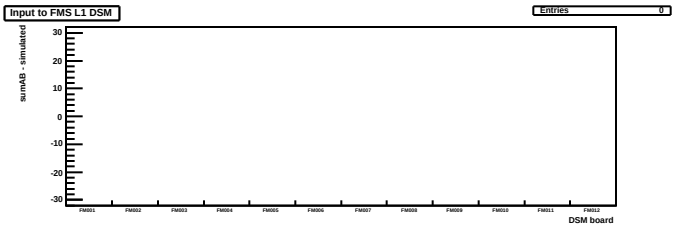

Input to FMS L1 DSM
Entries 1294308
sumBC
DSM board

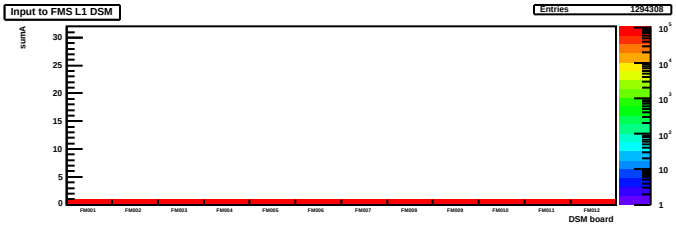

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

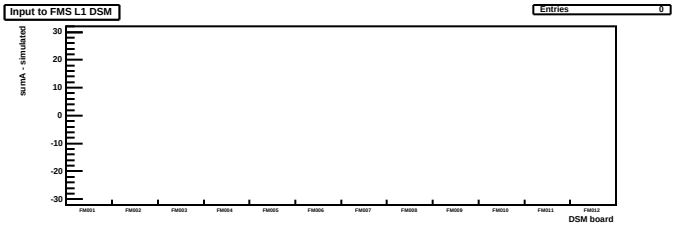

Input to FMS L1 DSM
Entries 1294308
sumB
DSM board

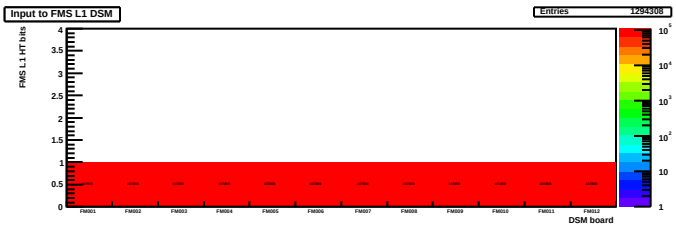

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

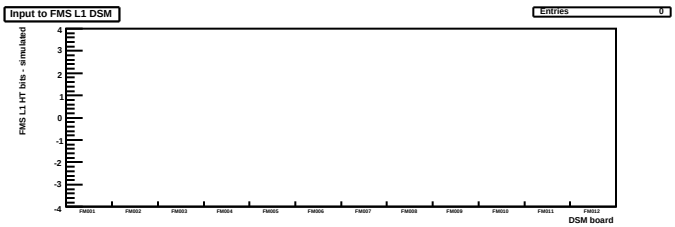

Input to FMS L1 DSM
Entries 1294308
sumAB
DSM board

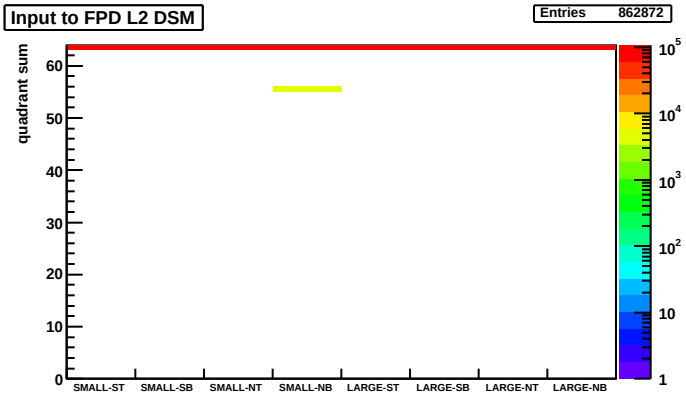

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

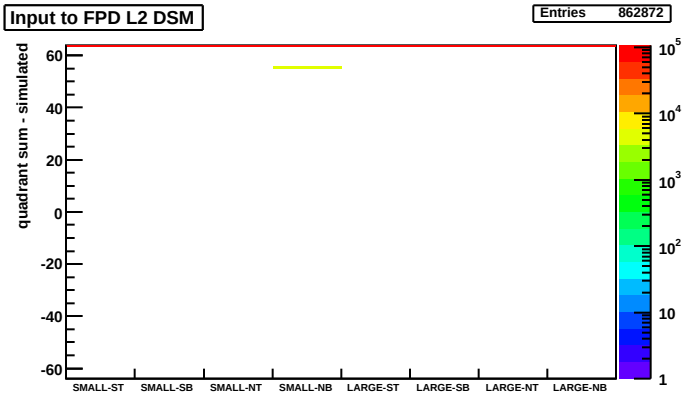

Input to FMS L1 DSM
Entries 1294308
sumA
DSM board

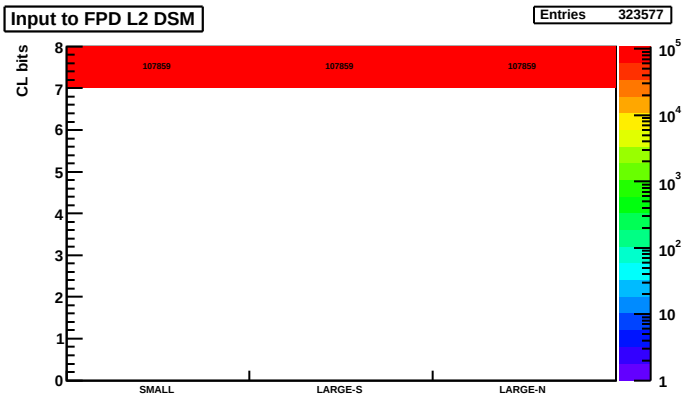

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

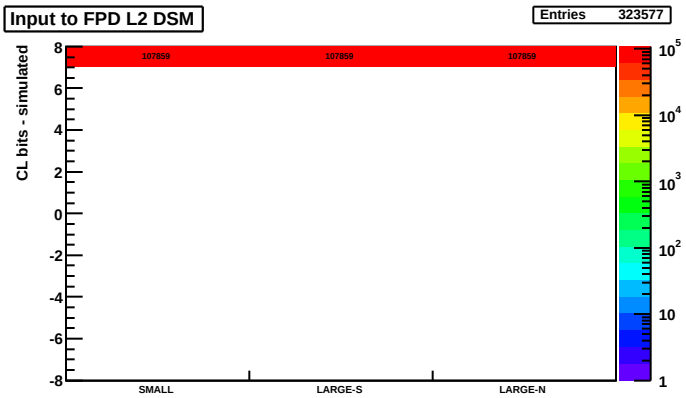

Input to FMS L1 DSM
Entries 1294308
FMS L1 HT bits
DSM board

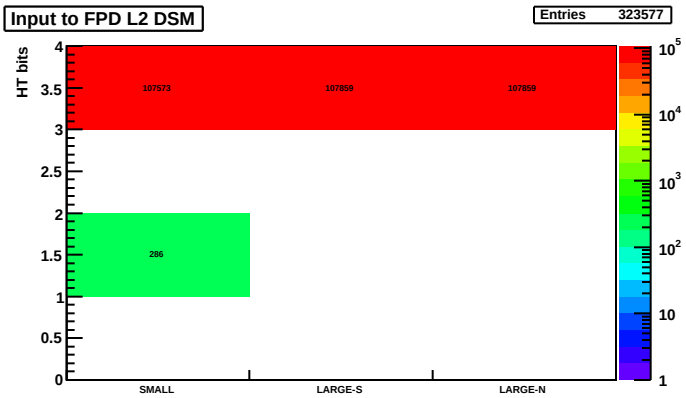

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

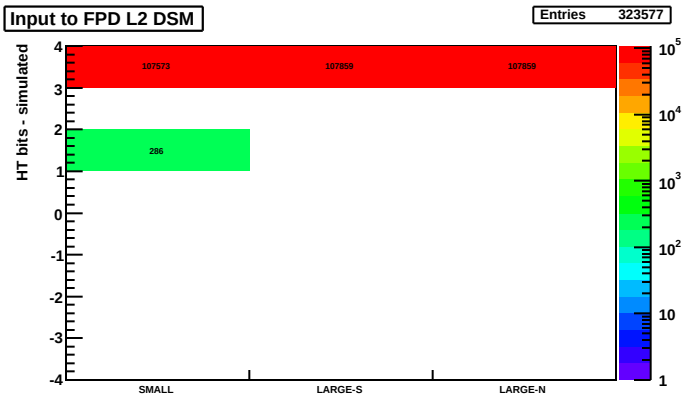

Input to FPD L2 DSM
Entries 862872
quadrant sum
SMALL-ST SMALL-SB SMALL-NT SMALL-NB LARGE-ST LARGE-SB LARGE-NT LARGE-NB

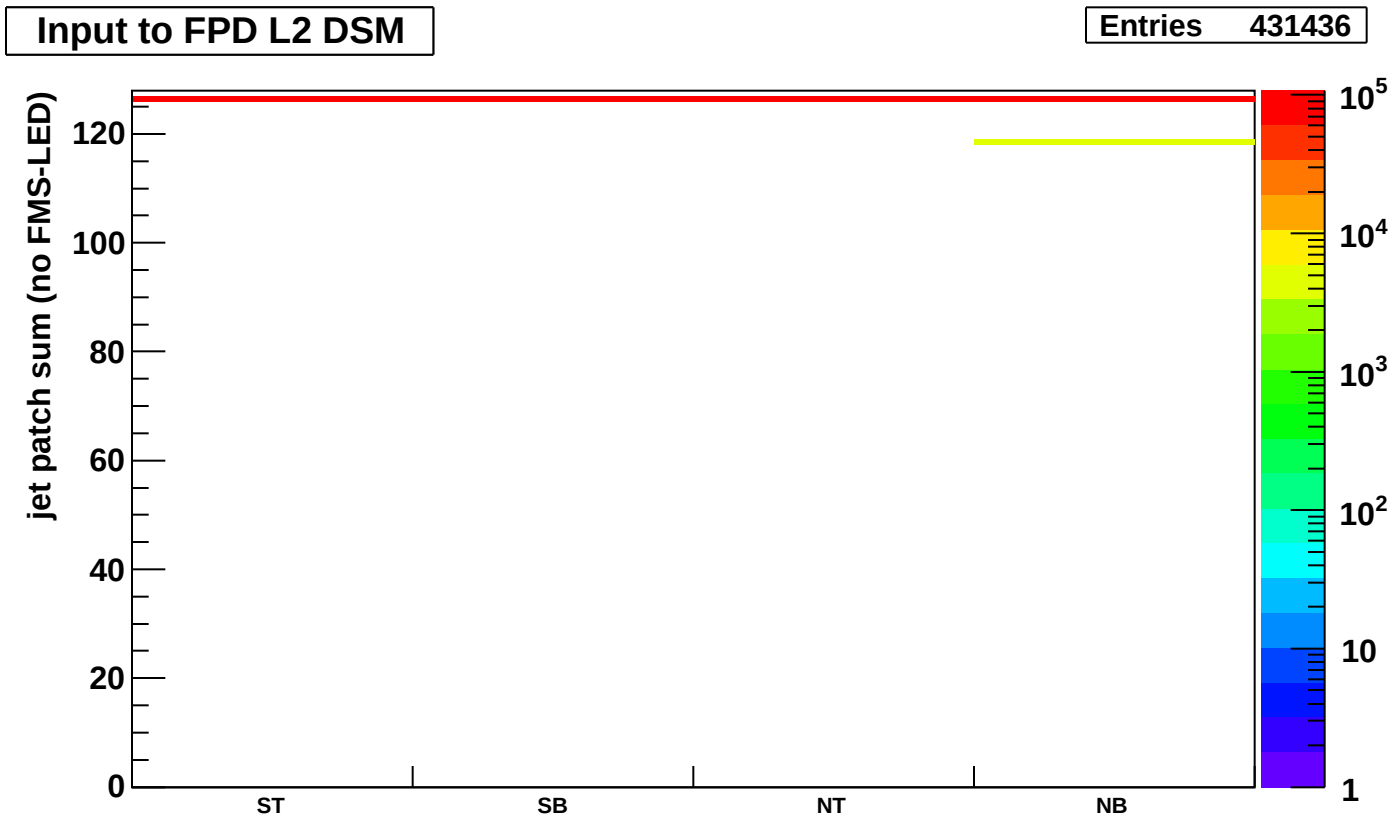

Input to FPD L2 DSM
Entries 862872
quadrant sum - simulated
SMALL-ST SMALL-SB SMALL-NT SMALL-NB LARGE-ST LARGE-SB LARGE-NT LARGE-NB

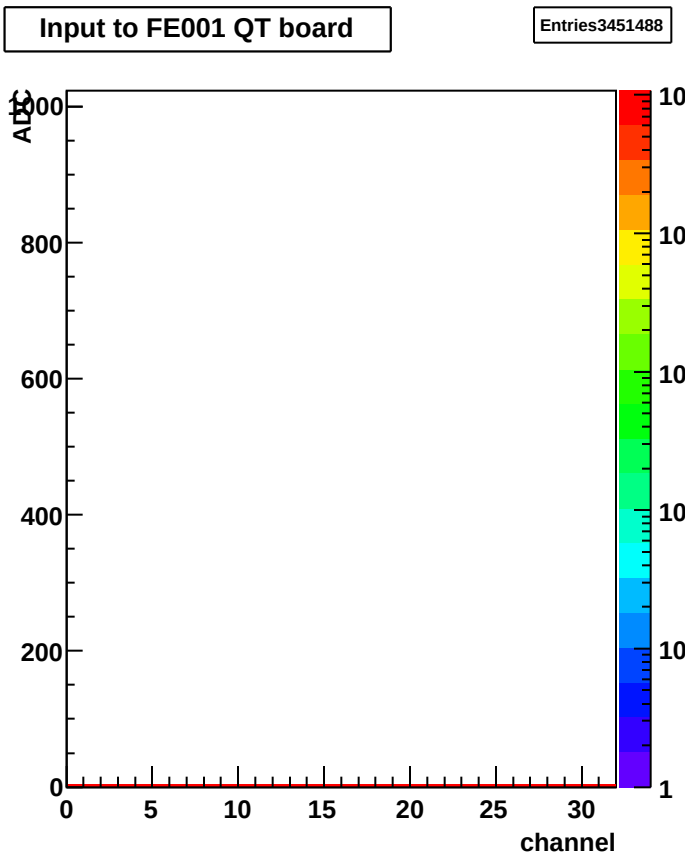

Input to FPD L2 DSM
Entries 323577
CL bits
107859 107859 107859
SMALL LARGE-S LARGE-N

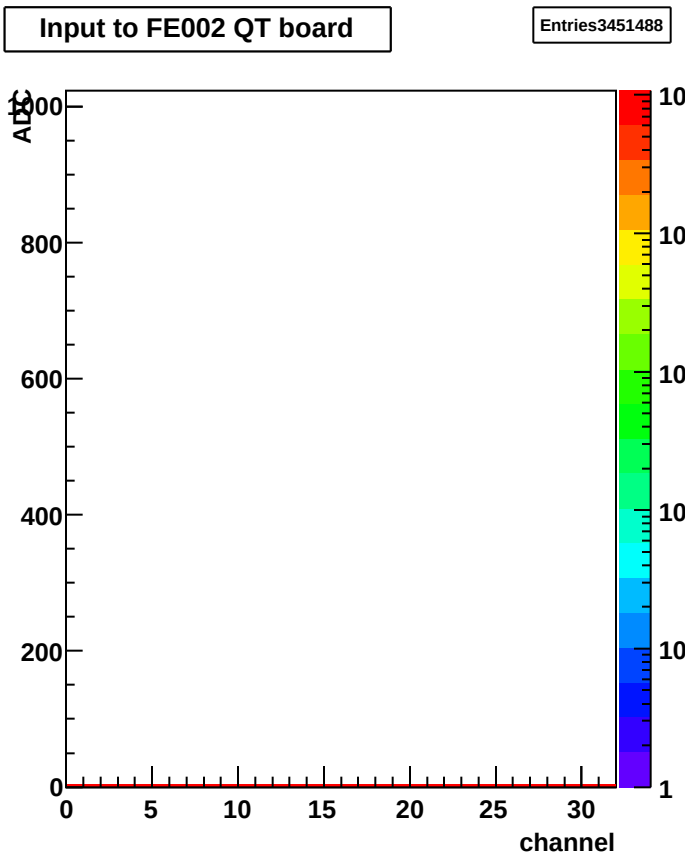

Input to FPD L2 DSM
Entries 323577
CL bits - simulated
107859 107859 107859
SMALL LARGE-S LARGE-N

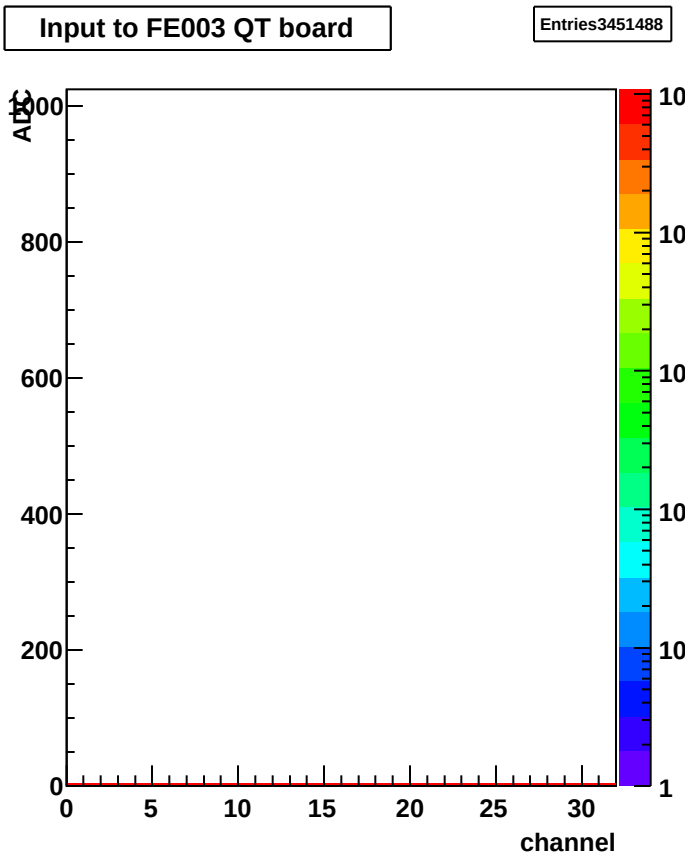

Input to FPD L2 DSM
Entries 323577
HT bits
107573 107859 107859
286
SMALL LARGE-S LARGE-N

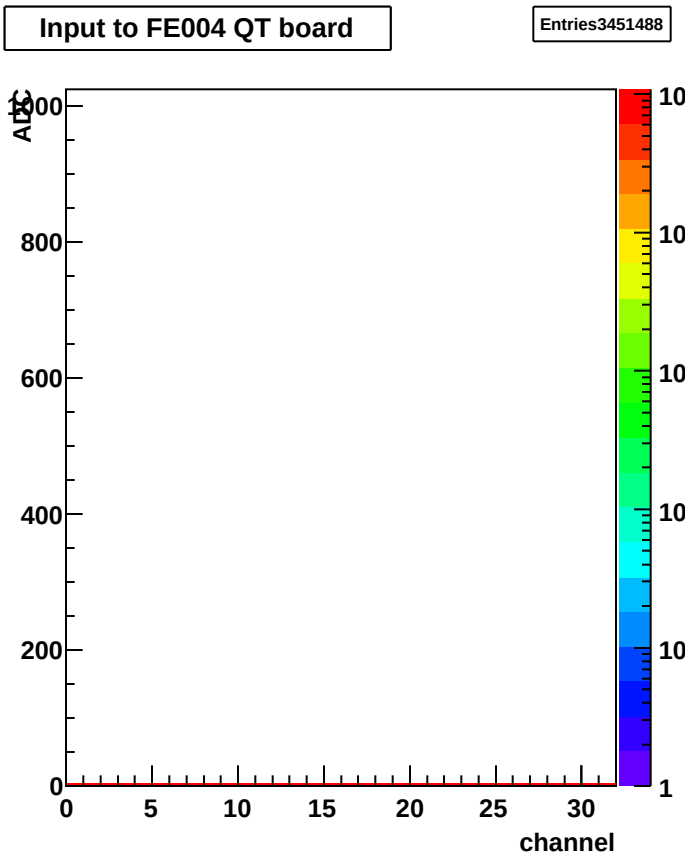

Input to FPD L2 DSM
Entries 323577
HT bits - simulated
107573 107859 107859
286
SMALL LARGE-S LARGE-N

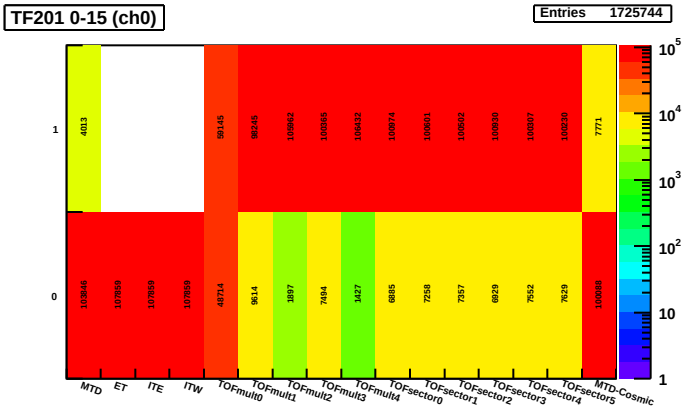

Input to FPD L2 DSM
Entries 431436
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

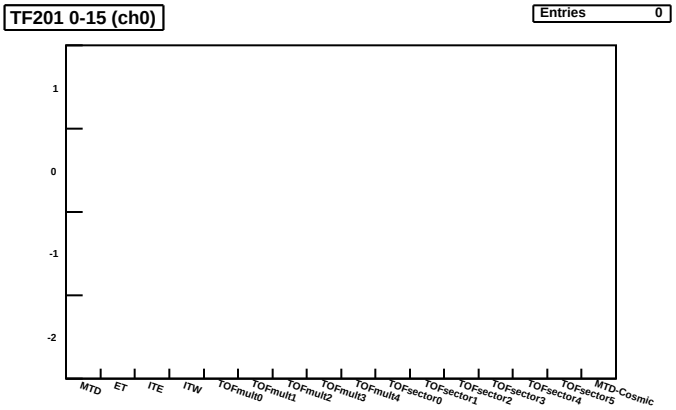

Input to FE001 QT board
Entries3451488
ADC
channel

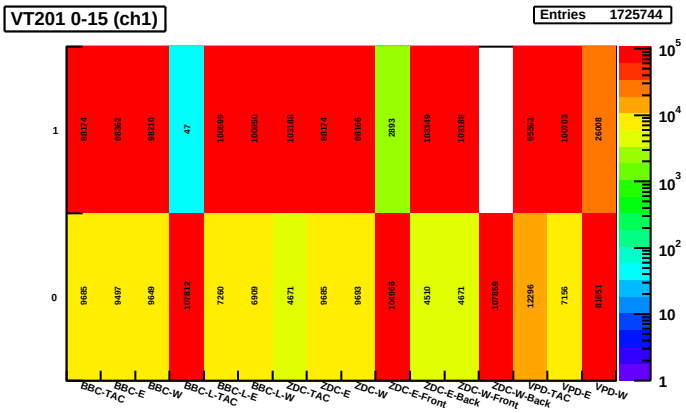

Input to FE002 QT board
Entries3451488
ADC
channel

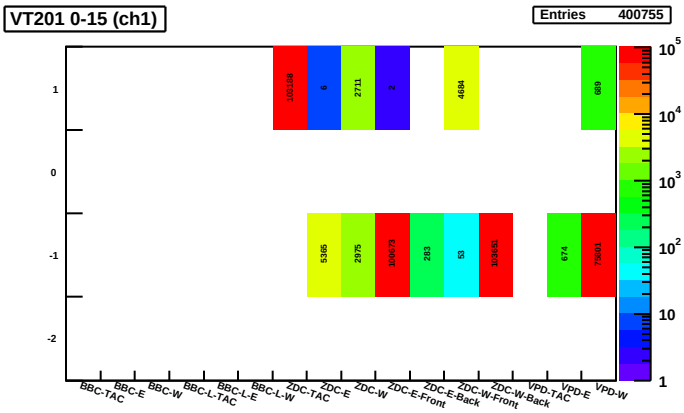

Input to FE003 QT board
Entries3451488
ADC
channel

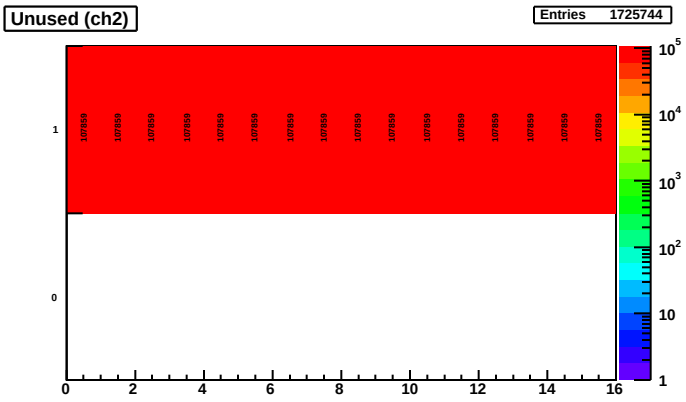

Input to FE004 QT board
Entries3451488
ADC
channel

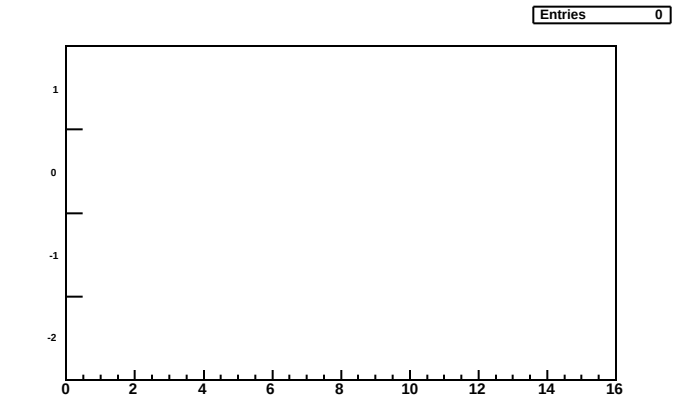

TF201 0-15 (ch0)
Entries 1725744
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

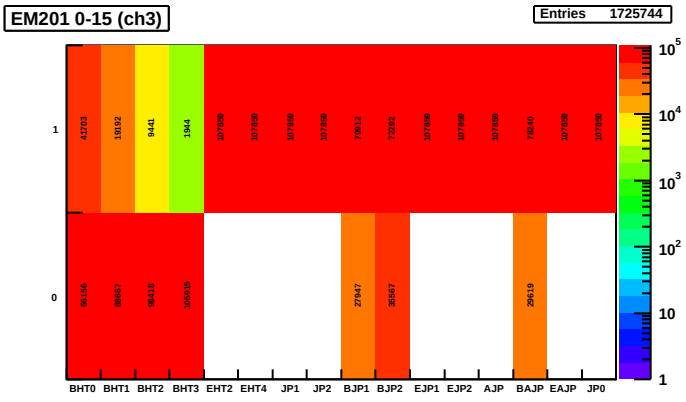

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

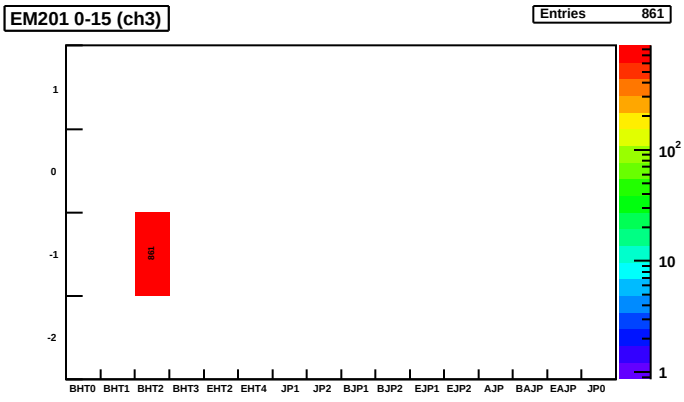

VT201 0-15 (ch1)
Entries 1725744
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

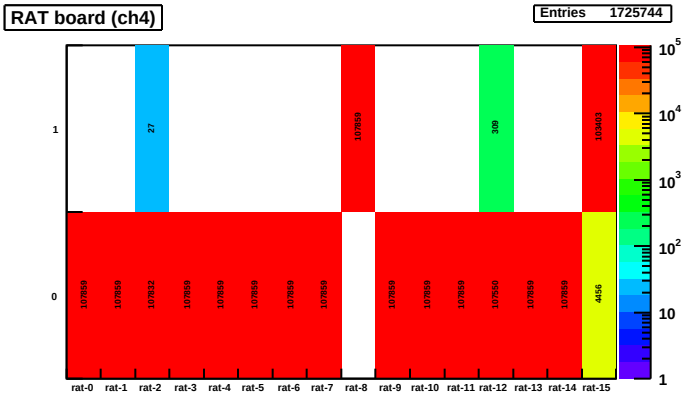

VT201 0-15 (ch1)
Entries 400755
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

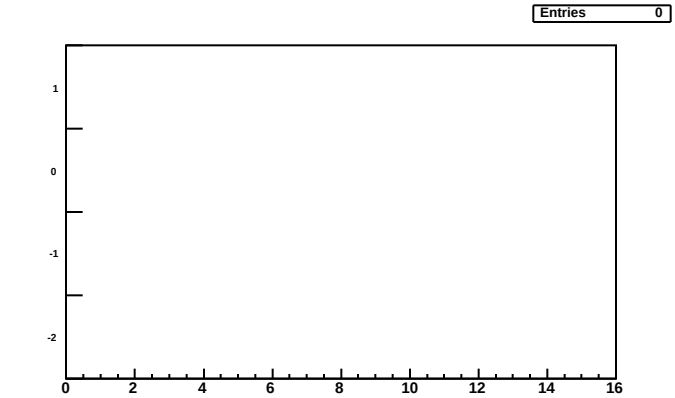

Unused (ch2)
Entries 1725744

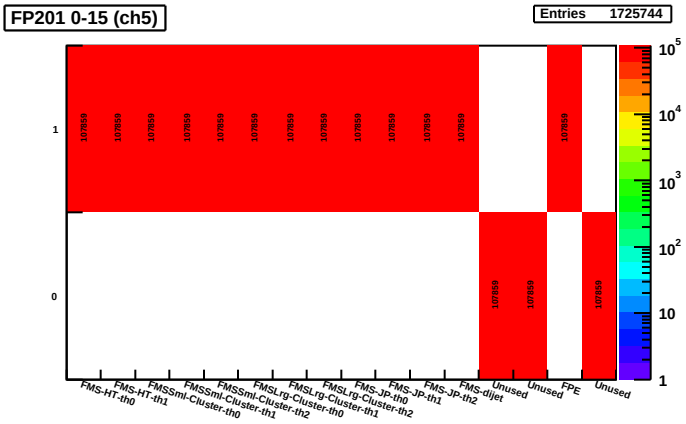

Entries 0

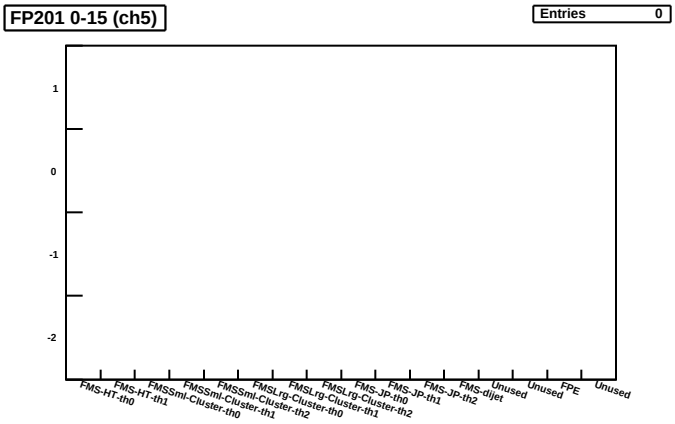

EM201 0-15 (ch3)
Entries 1725744
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

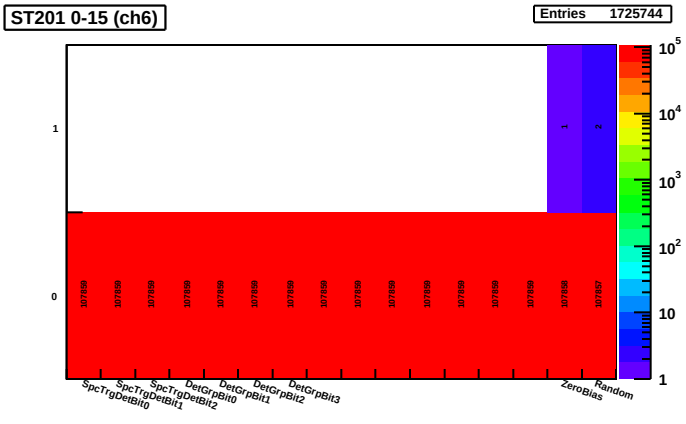

EM201 0-15 (ch3)
Entries 861
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

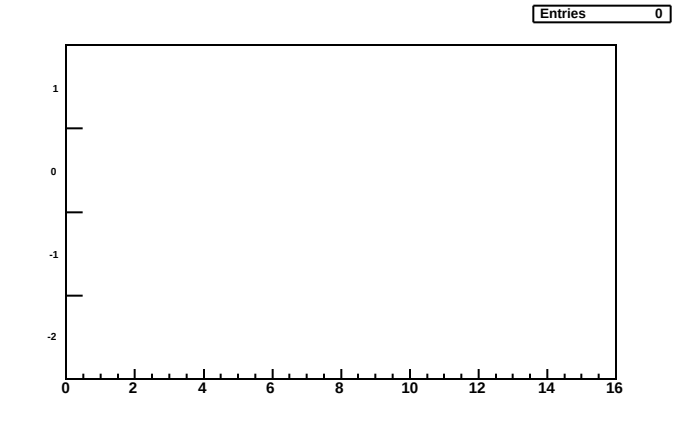

RAT board (ch4)
Entries 1725744
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

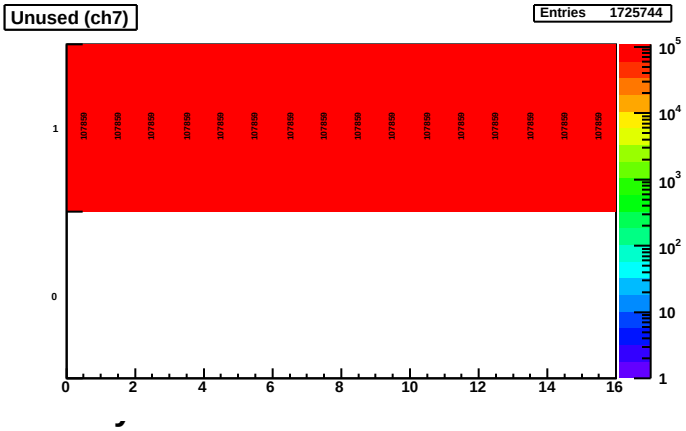

Entries 0

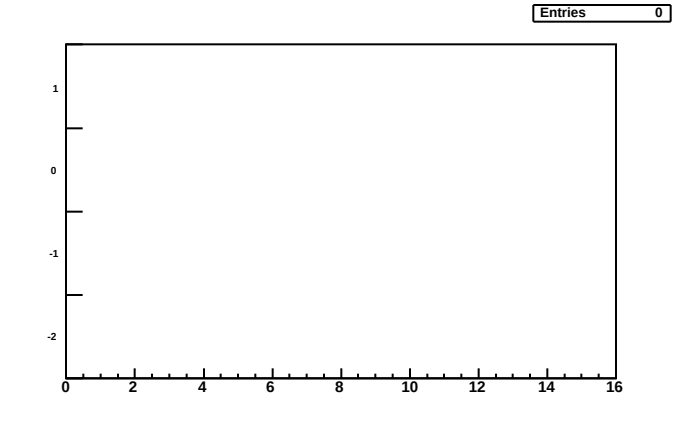

FP201 0-15 (ch5)
Entries 1725744
FMS-HT-th0 FMS-HT-th1 FMSSml-Cluster-th0 FMSSml-Cluster-th1 FMSSml-Cluster-th2 FMSLrg-Cluster-th0 FMSLrg-Cluster-th1 FMSLrg-Cluster-th2 FMS-JP-th0 FMS-JP-th1 FMS-JP-th2 FMS-diJet Unused Unused FPE Unused


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 1725744
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetGrpBit0 DetGrpBit1 DetGrpBit2 DetGrpBit3 ZeroBias Random


Entries 0


Unused (ch7)
Entries 1725744


Entries 0