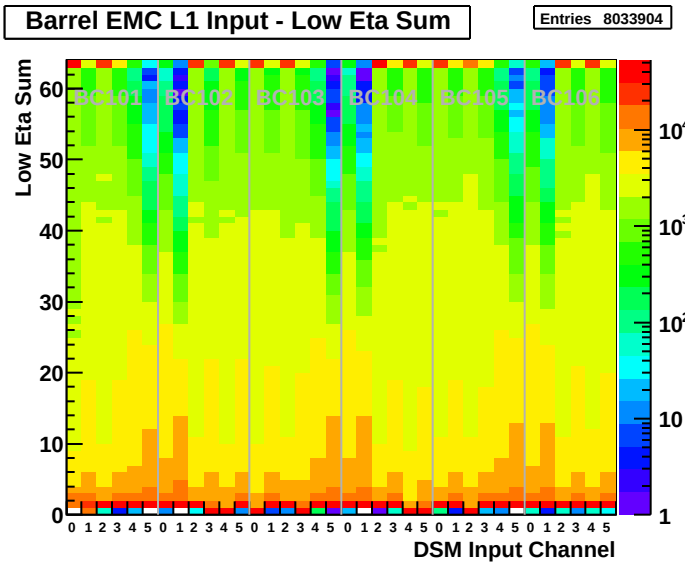
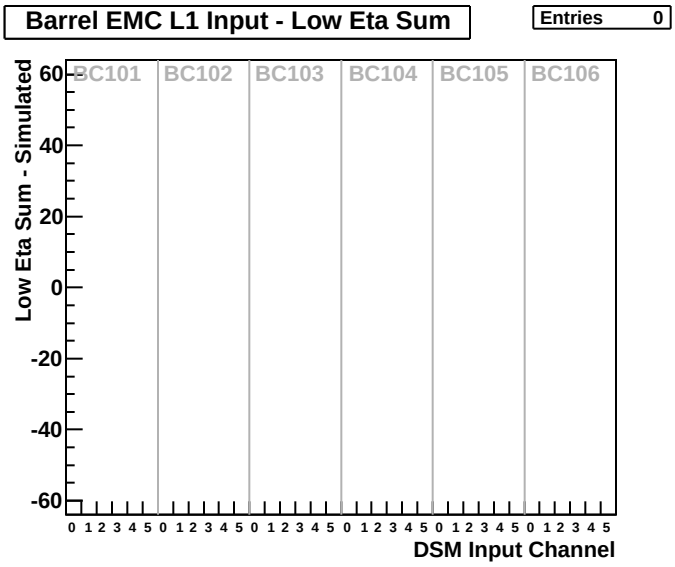
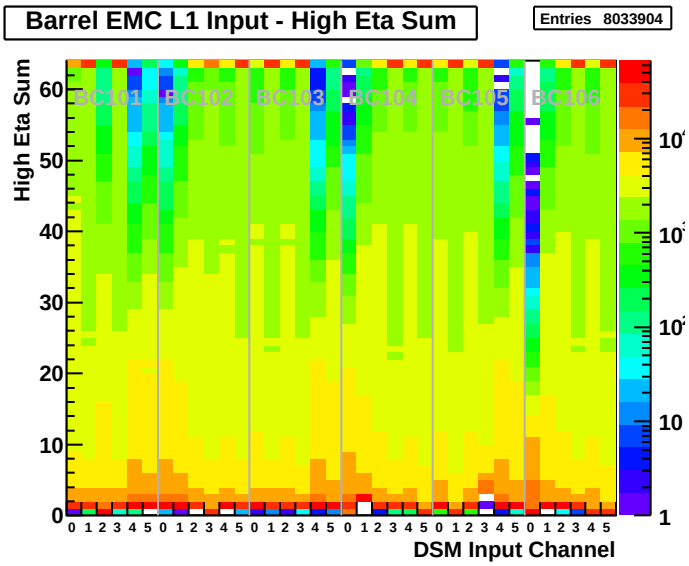
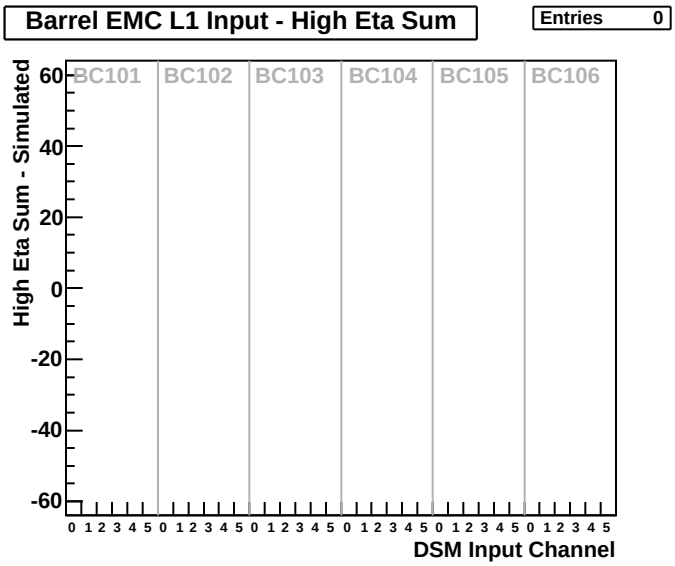
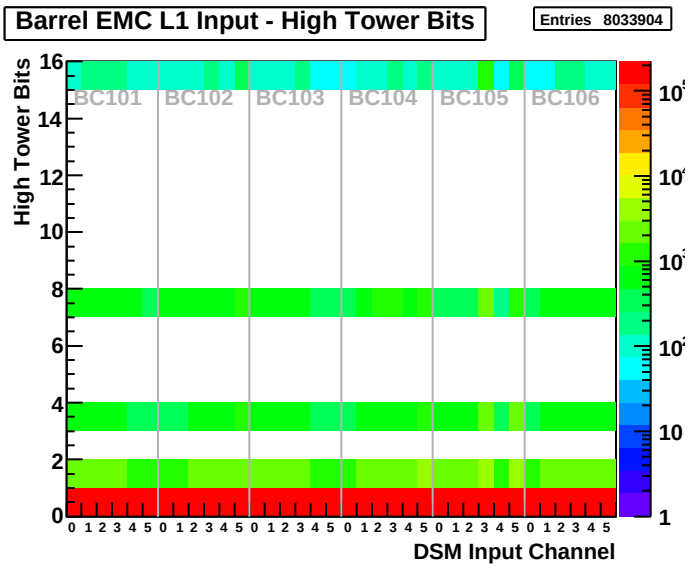
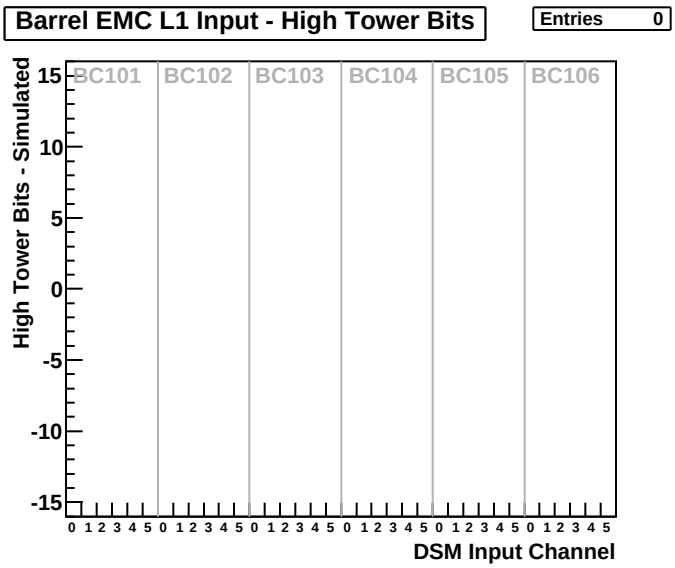

Barrel EMC L1 Input - Low Eta Sum
Entries 8033904
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

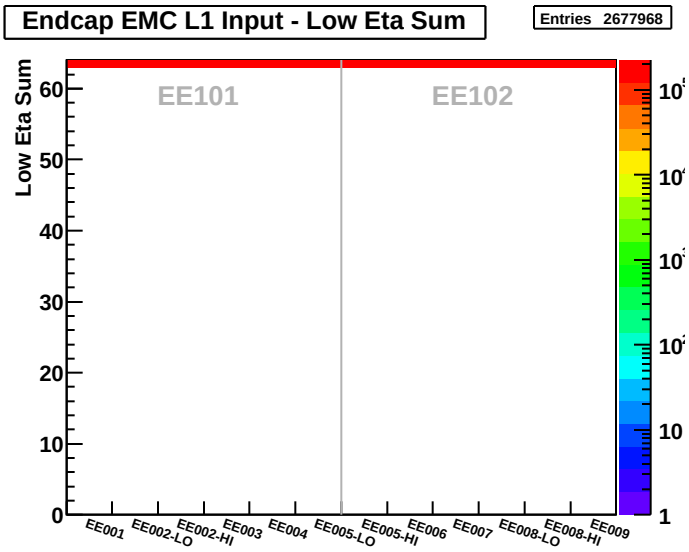

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

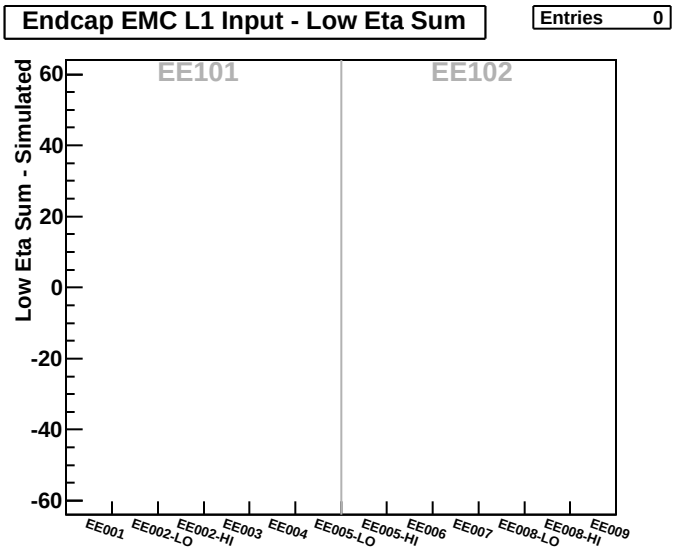

Barrel EMC L1 Input - High Eta Sum
Entries 8033904
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

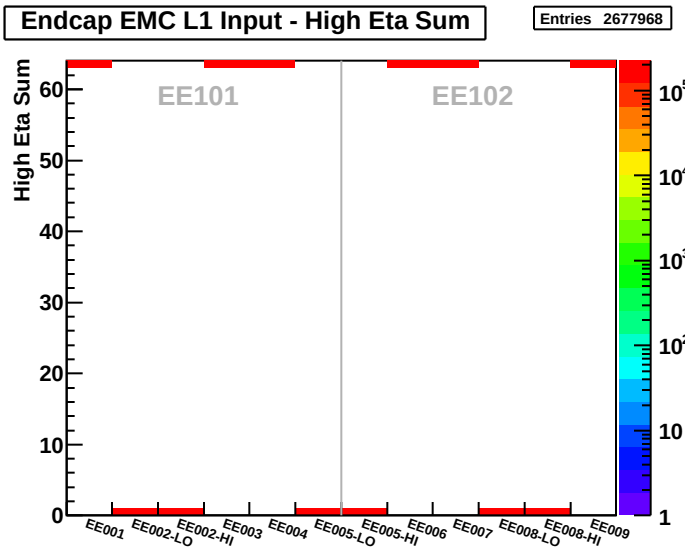

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

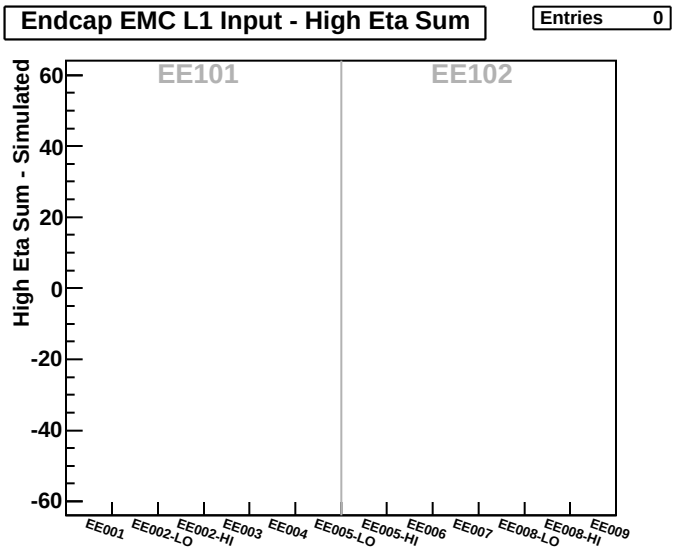

Barrel EMC L1 Input - High Tower Bits
Entries 8033904
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

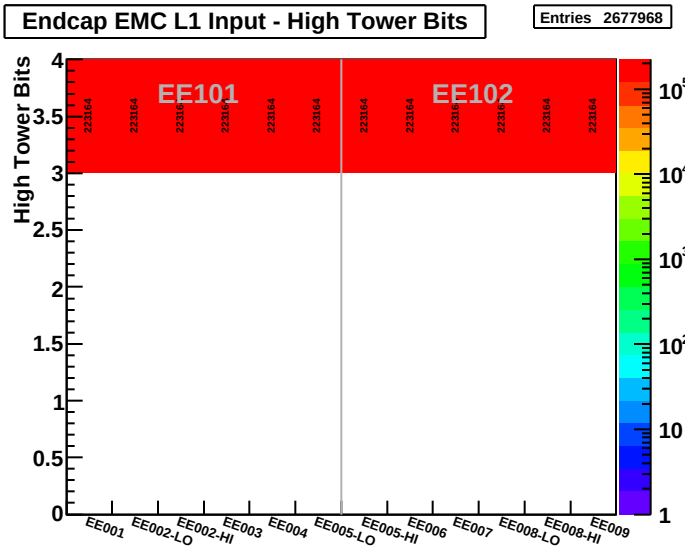

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

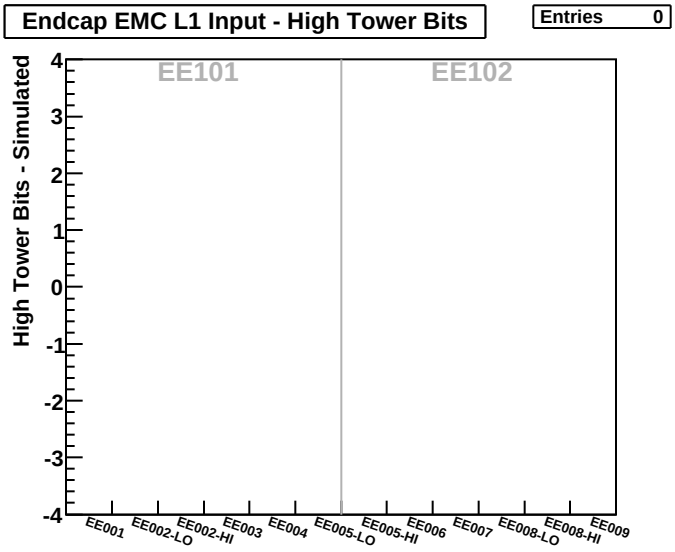

Endcap EMC L1 Input - Low Eta Sum
Entries 2677968
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

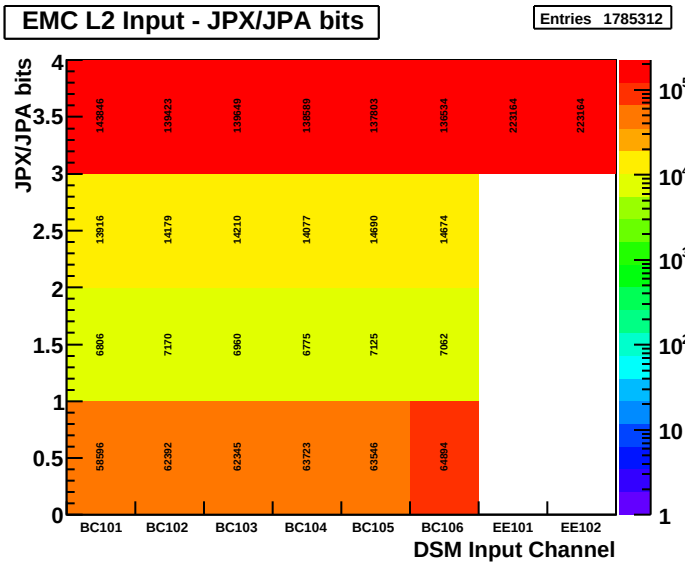

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

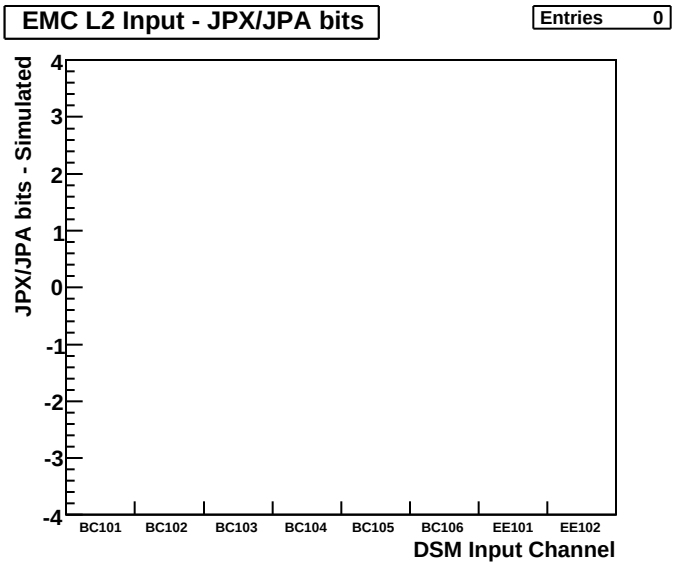

Endcap EMC L1 Input - High Eta Sum
Entries 2677968
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

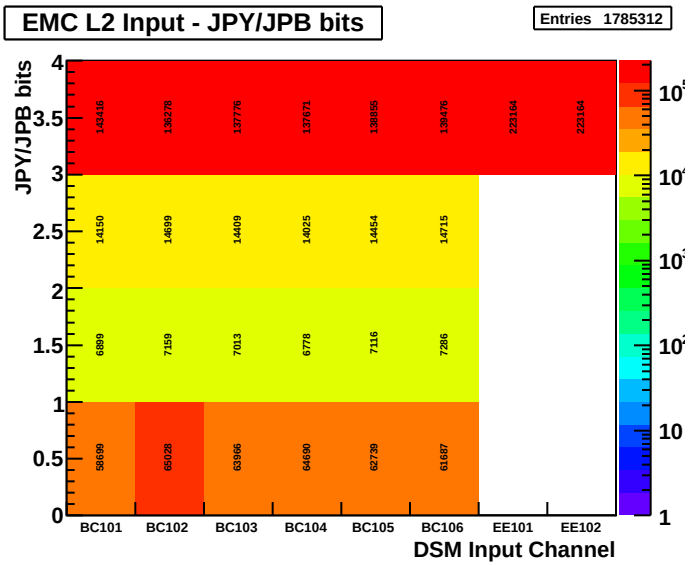

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

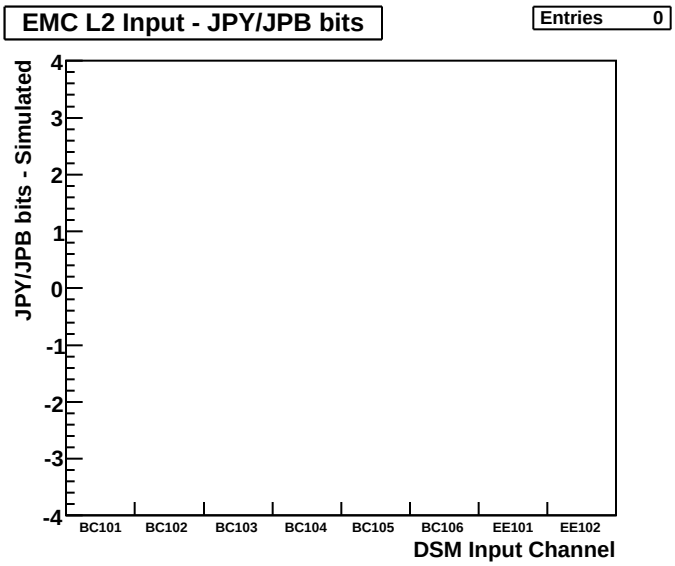

Endcap EMC L1 Input - High Tower Bits
Entries 2677968
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

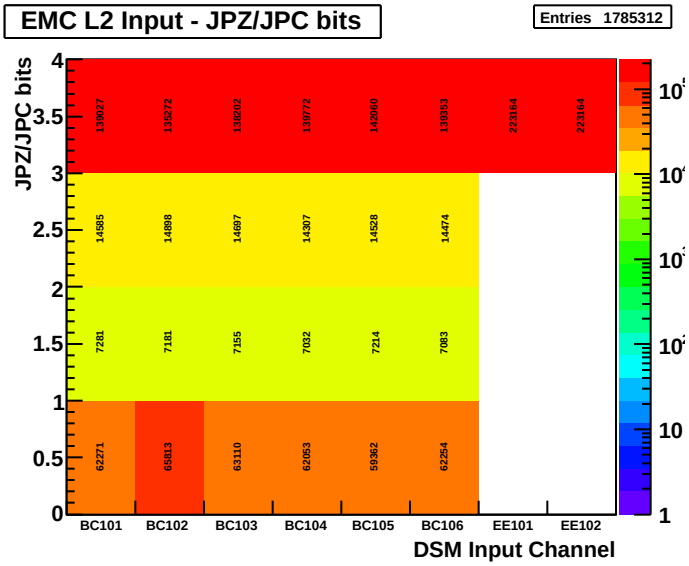

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

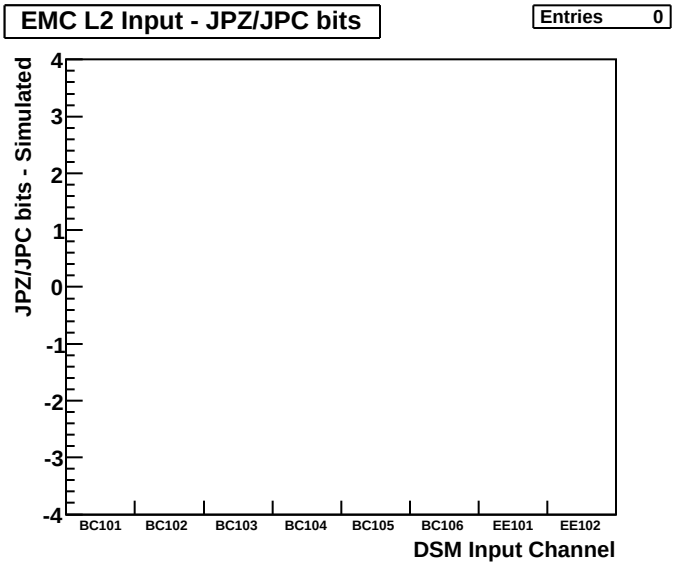

EMC L2 Input - JPX/JPA bits
Entries 1785312
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
143846 139423 139649 138589 137803 136534 223164 223164
13916 14179 14210 14077 14690 14674
6806 7170 6960 6775 7125 7062
58596 62392 62345 63723 63546 64894

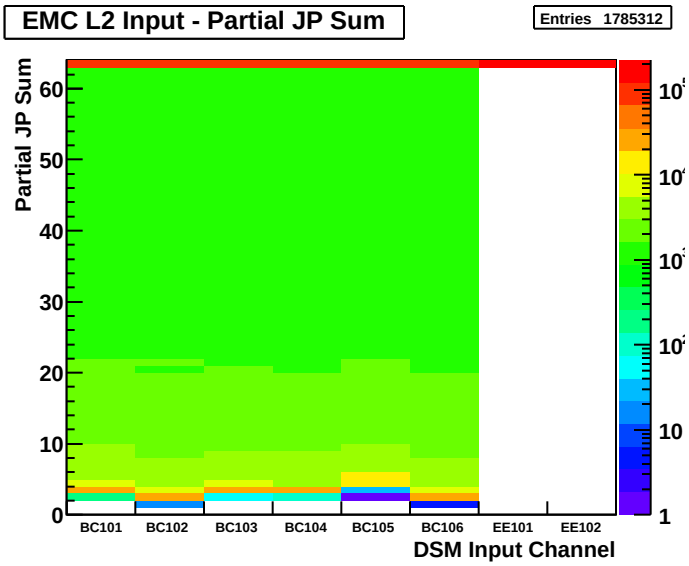

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

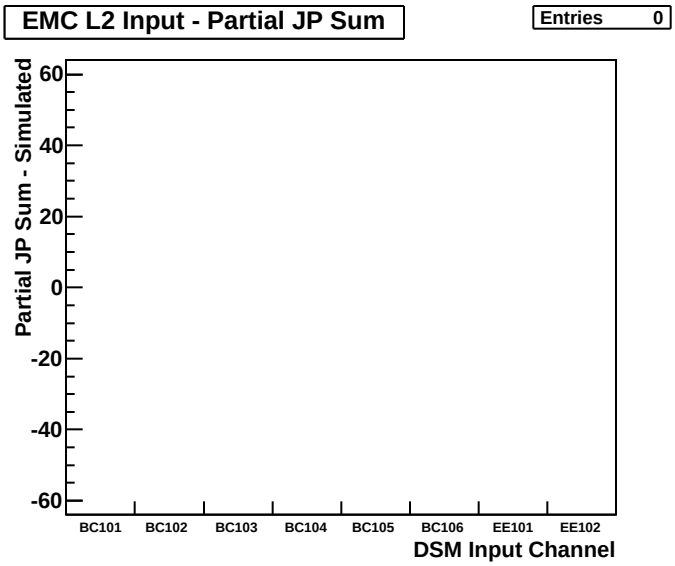

EMC L2 Input - JPY/JPB bits
Entries 1785312
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
143416 136278 137776 137671 138855 139476 223164 223164
14150 14699 14409 14025 14454 14715
6899 7359 7013 6778 7116 7286
58699 65028 63966 64690 62739 61687

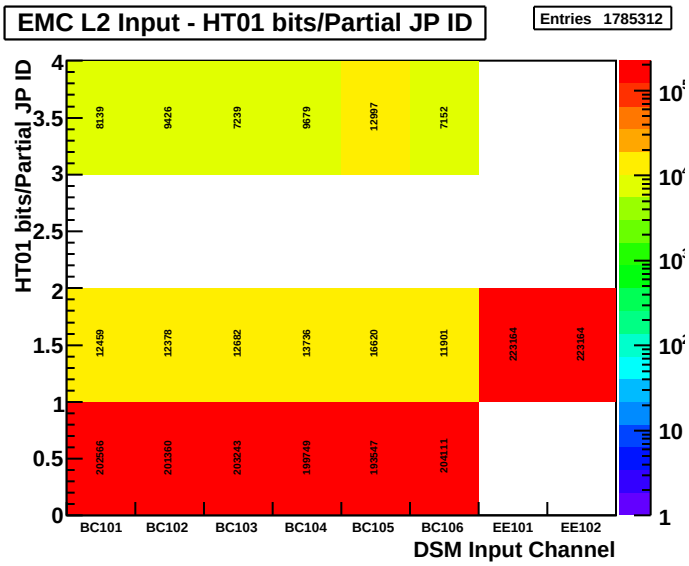

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

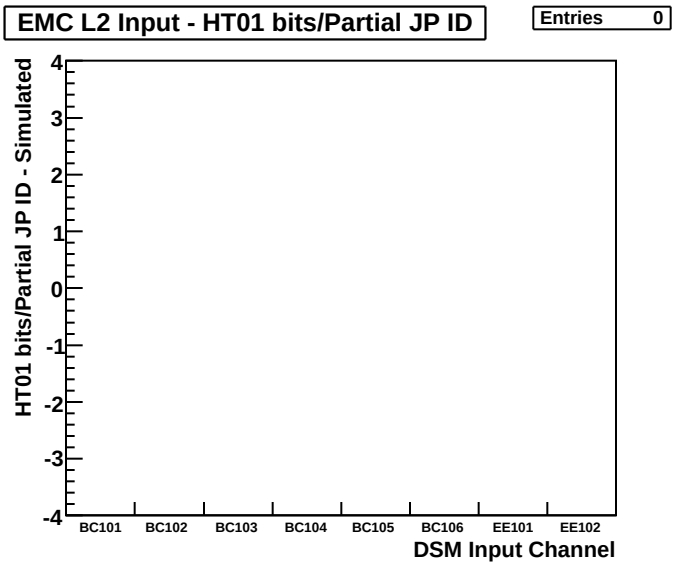

EMC L2 Input - JPZ/JPC bits
Entries 1785312
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
139027 135272 138202 139772 142060 139353 223164 223164
14585 14898 14697 14307 14528 14474
7281 7181 7155 7032 7214 7083
62271 65813 63110 62053 59362 62254

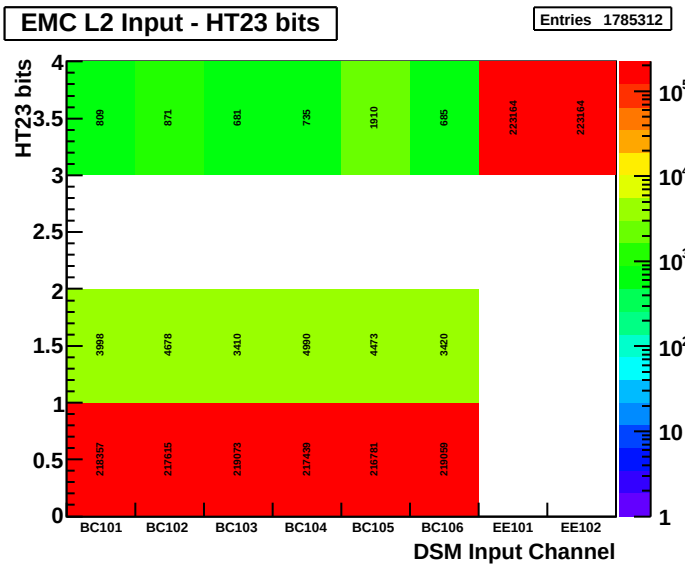

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

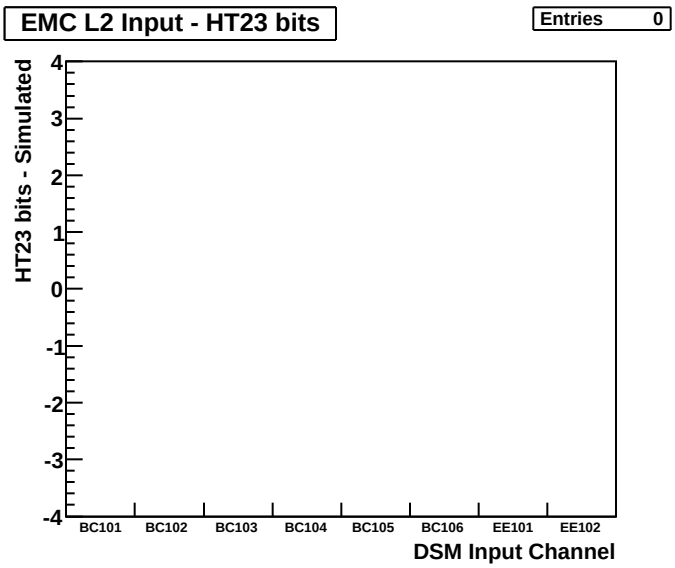

EMC L2 Input - Partial JP Sum
Entries 1785312
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

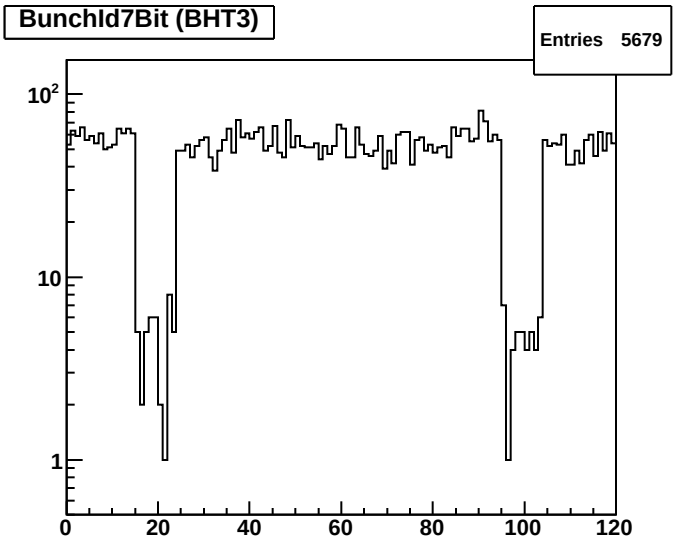

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

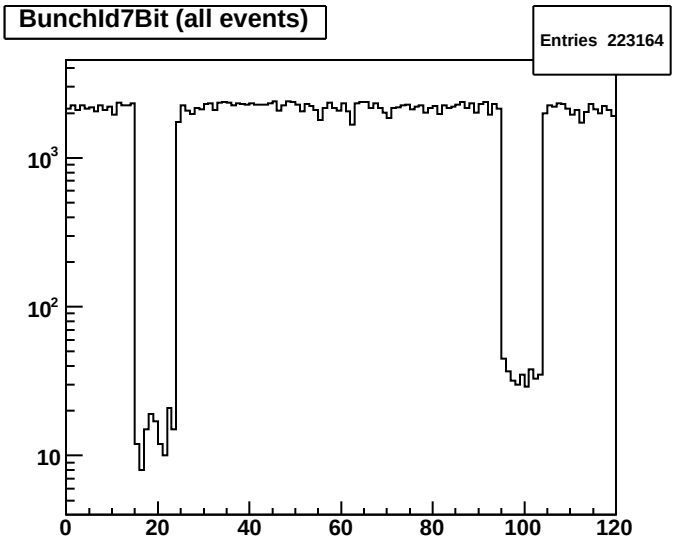

EMC L2 Input - HT01 bits/Partial JP ID
Entries 1785312
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

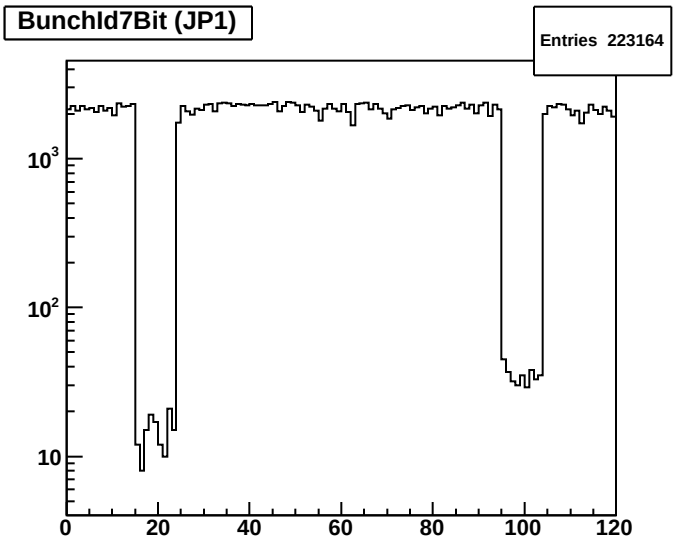

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

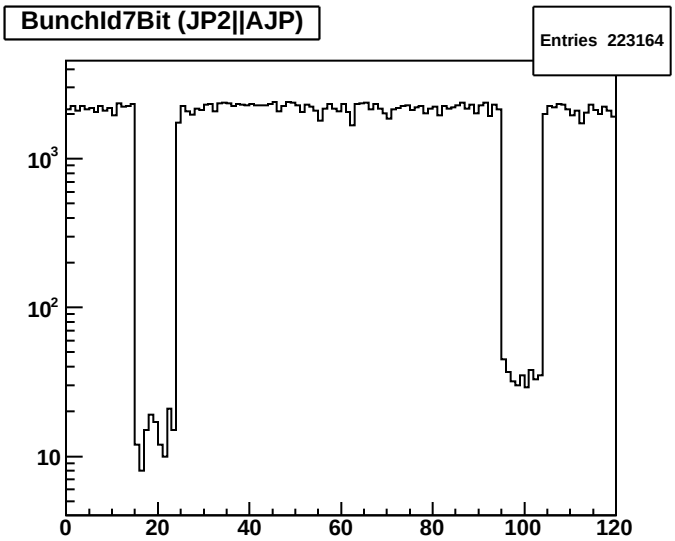

EMC L2 Input - HT23 bits
Entries 1785312
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

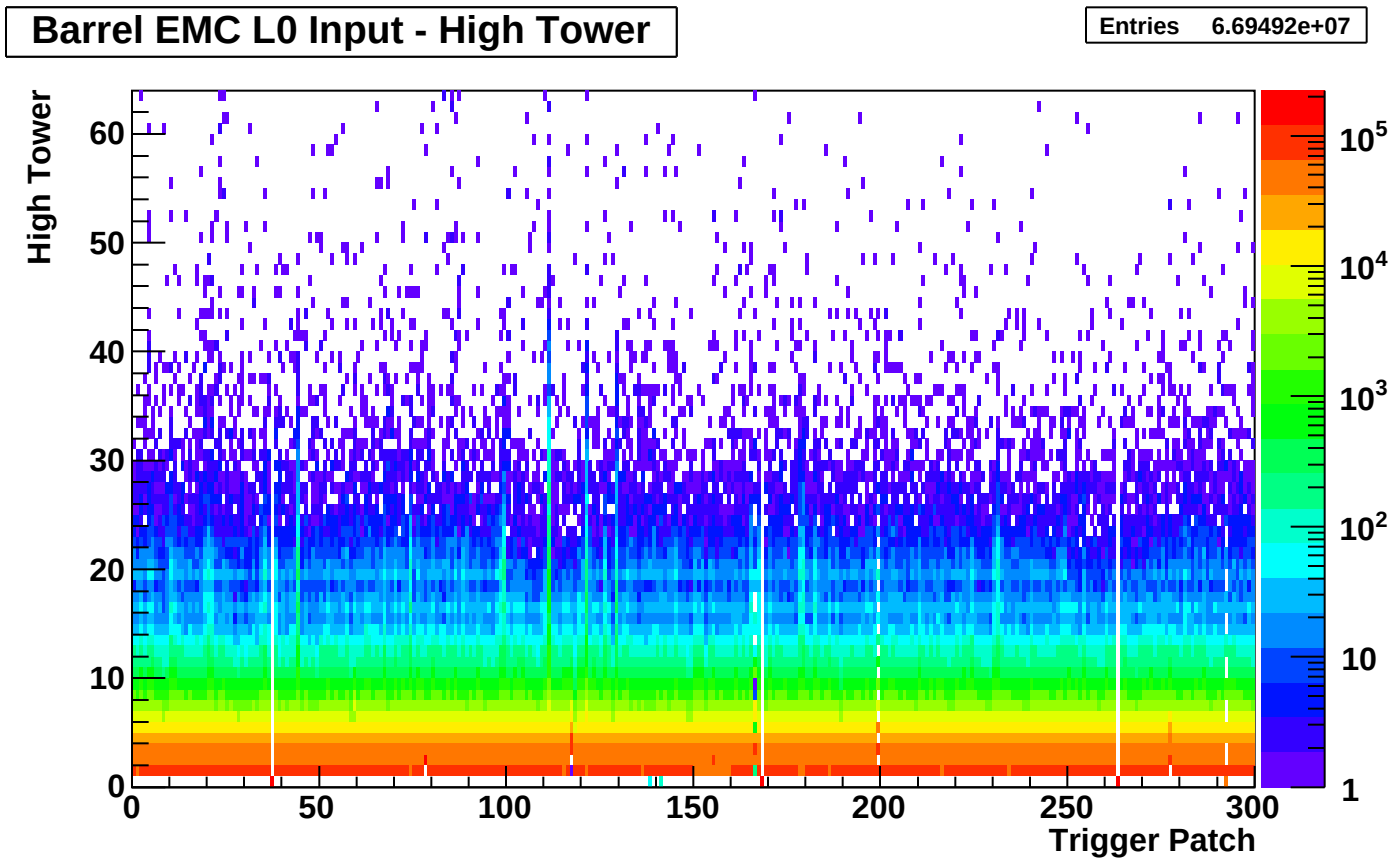

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

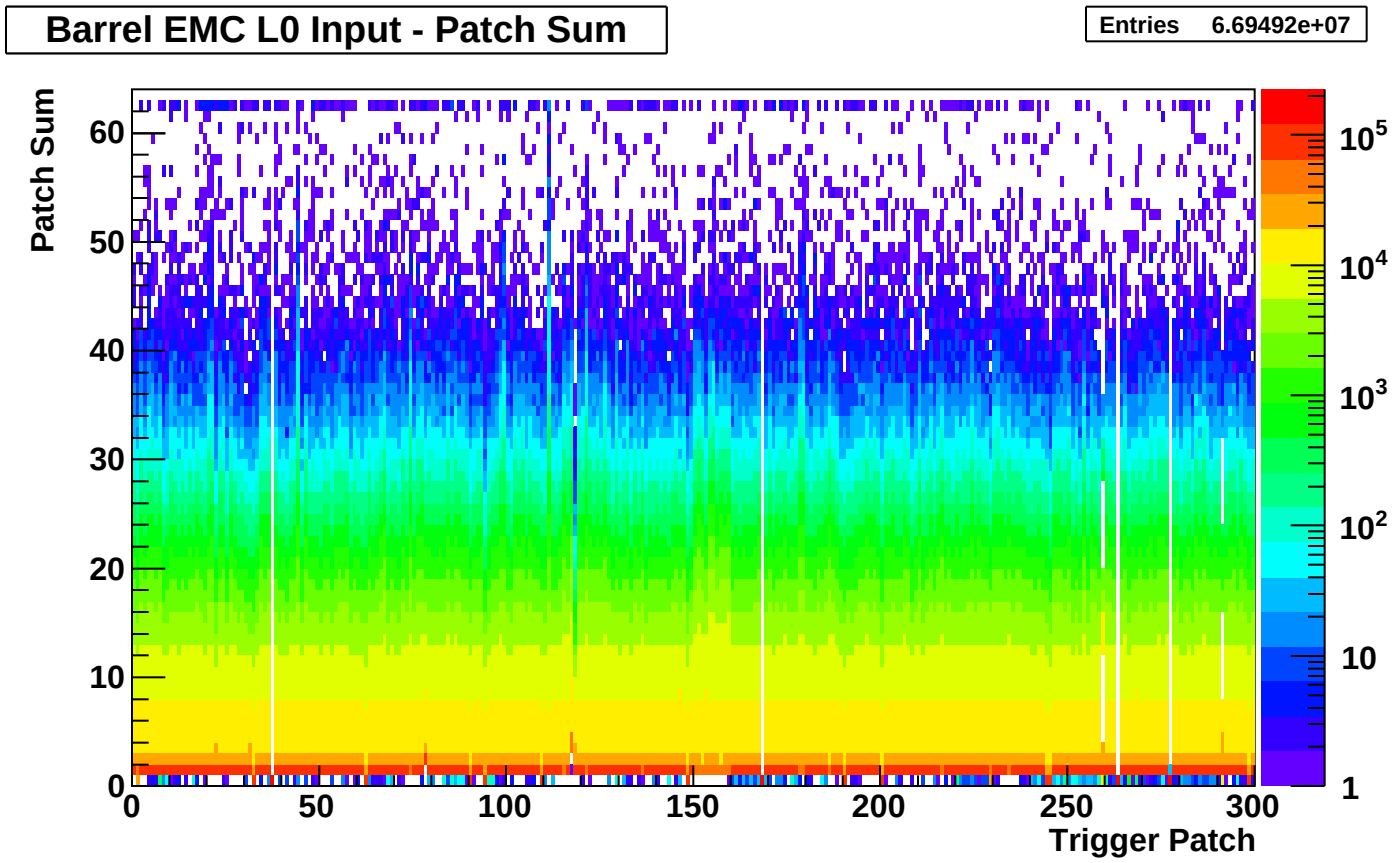

BunchId7Bit (BHT3)
Entries 5679
10^2
10
1
0
20
40
60
80
100
120

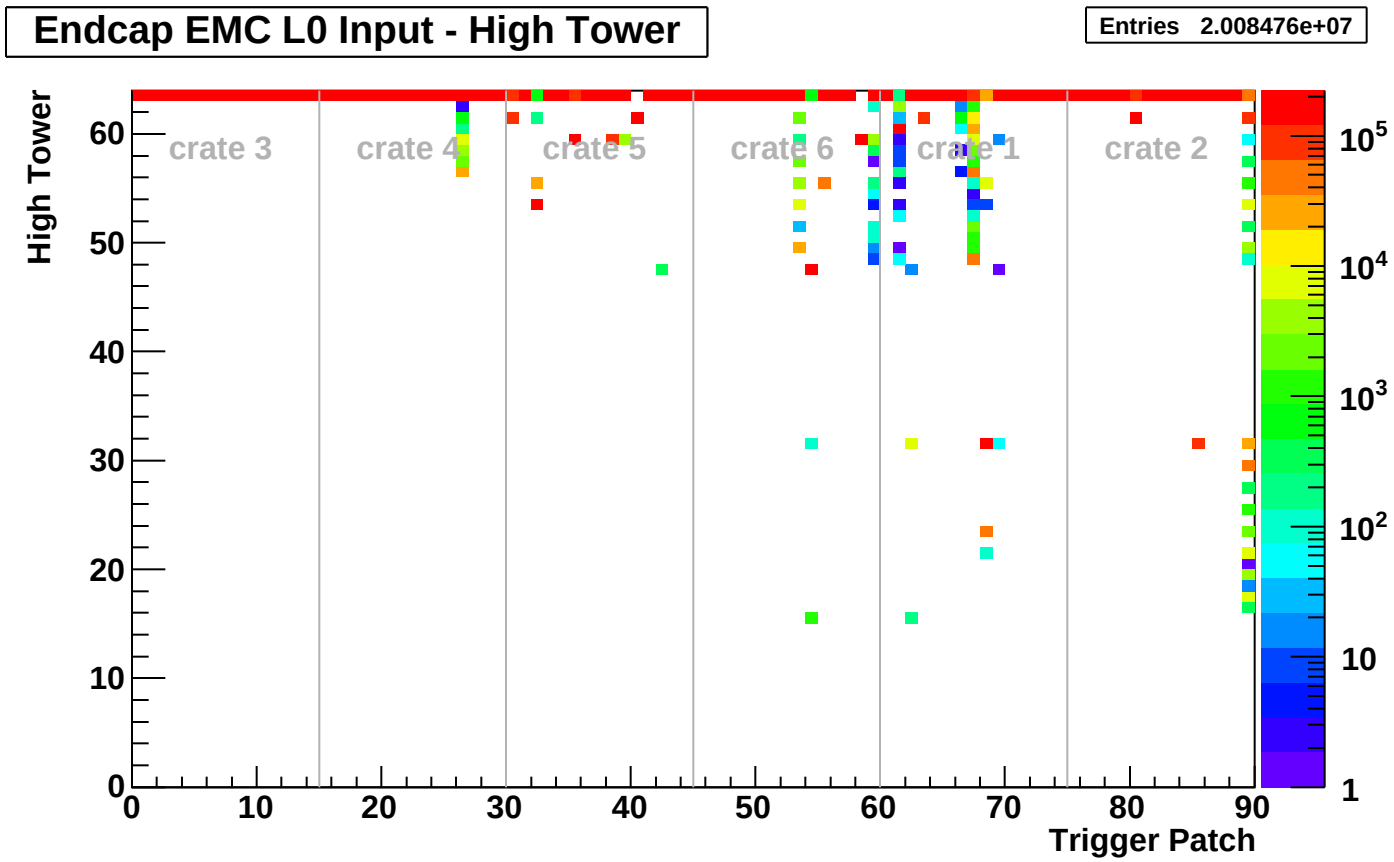

BunchId7Bit (all events)
Entries 223164
10^3
10^2
10
0
20
40
60
80
100
120

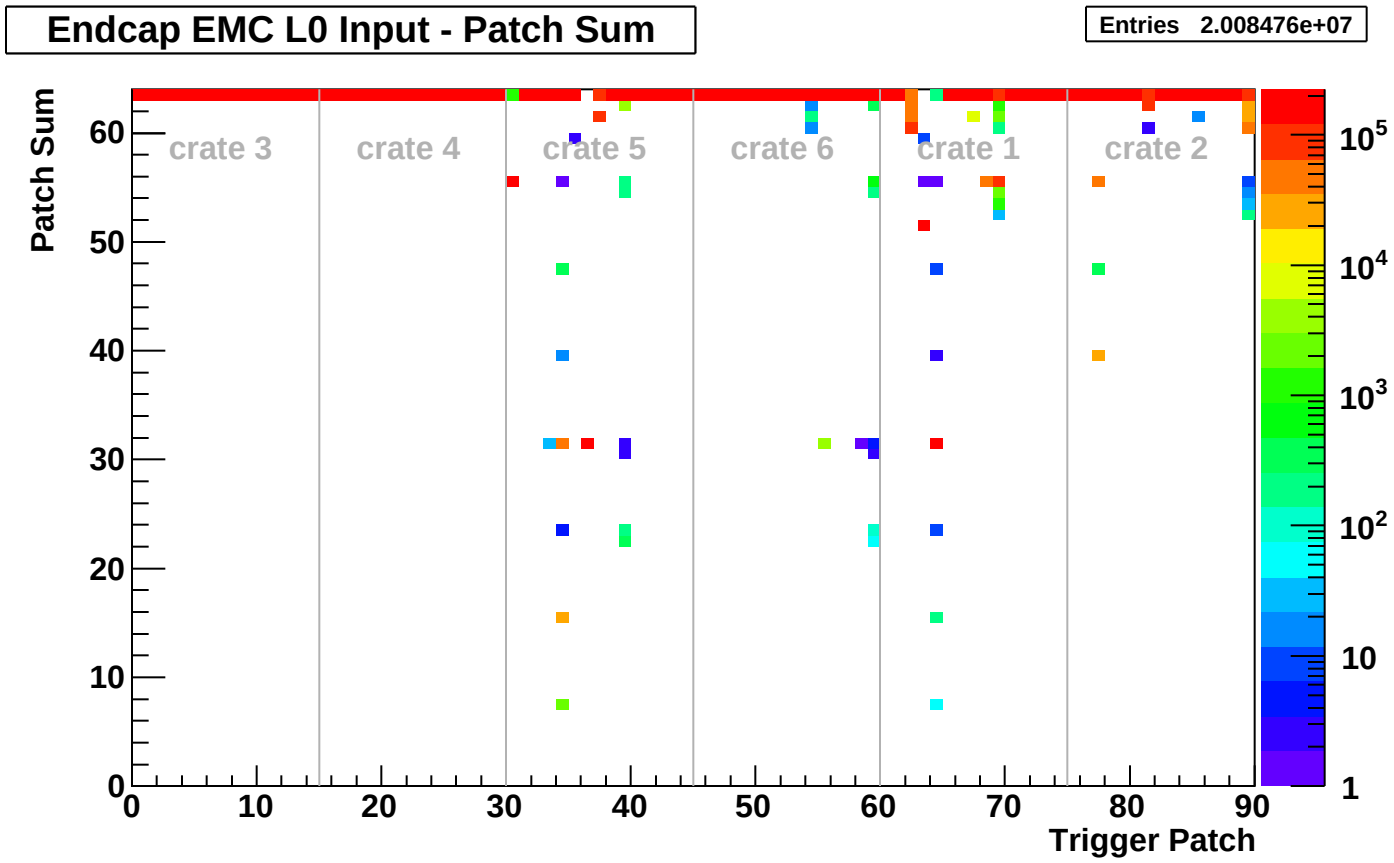

BunchId7Bit (JP1)
Entries 223164
10^3
10^2
10
0
20
40
60
80
100
120

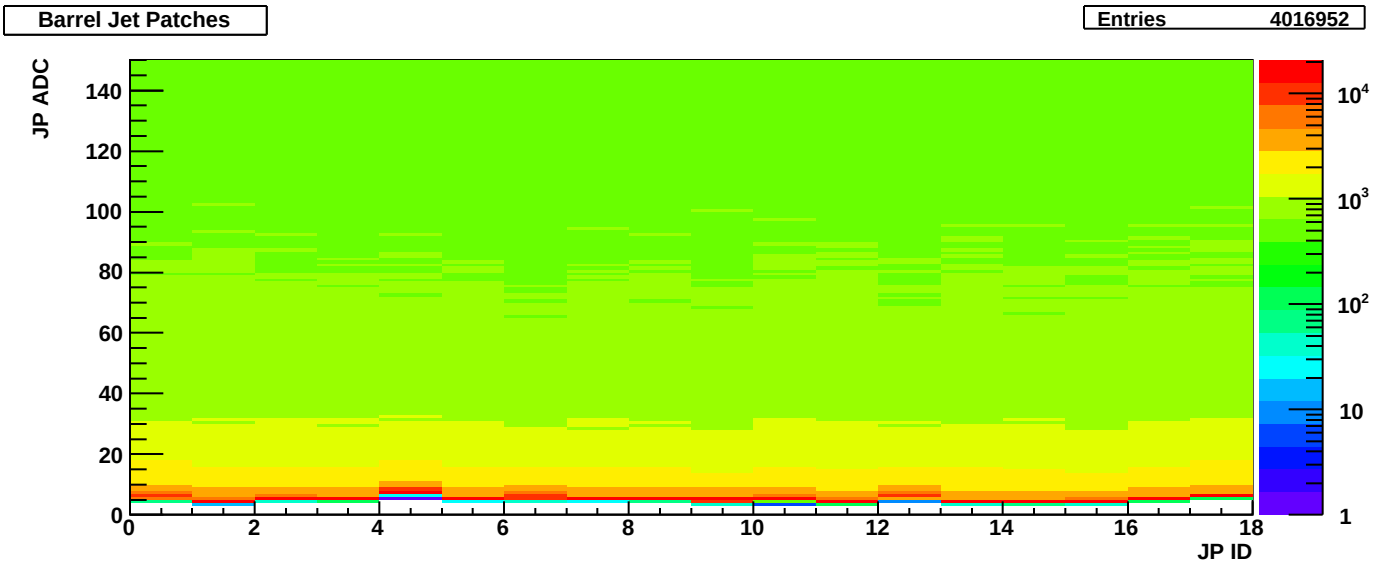

BunchId7Bit (JP2||AJP)
Entries 223164
10^3
10^2
10
0
20
40
60
80
100
120

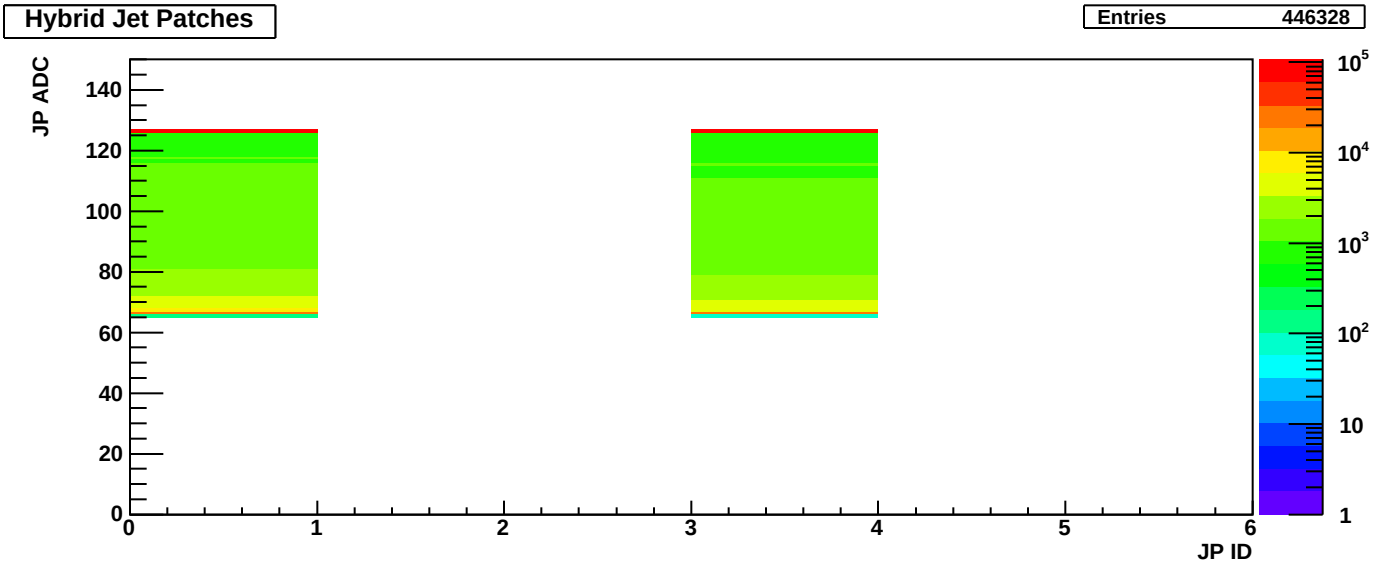

Barrel EMC L0 Input - High Tower
Entries 6.69492e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

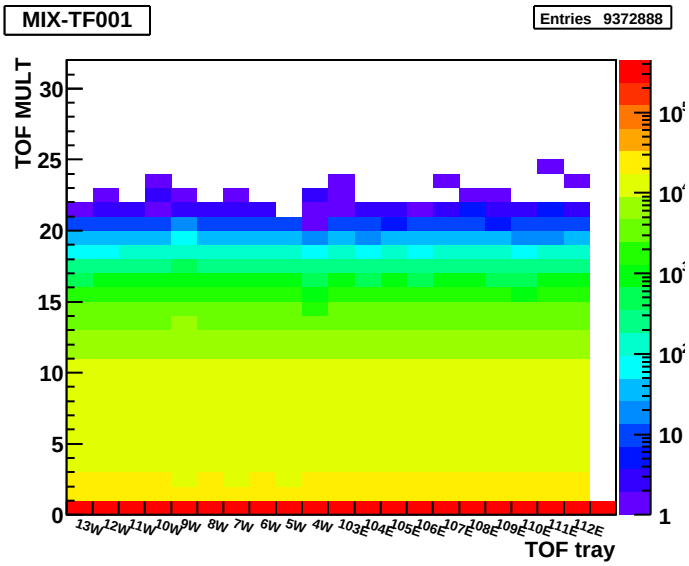

Barrel EMC L0 Input - Patch Sum
Entries 6.69492e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

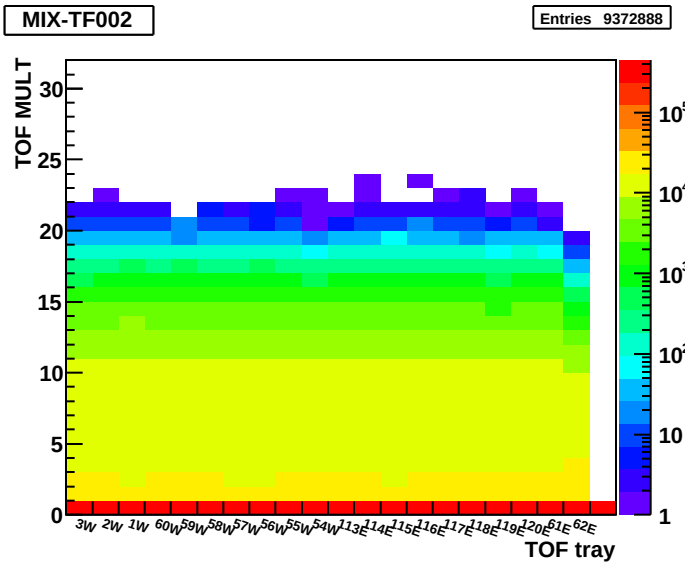

Endcap EMC L0 Input - High Tower
Entries 2.008476e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

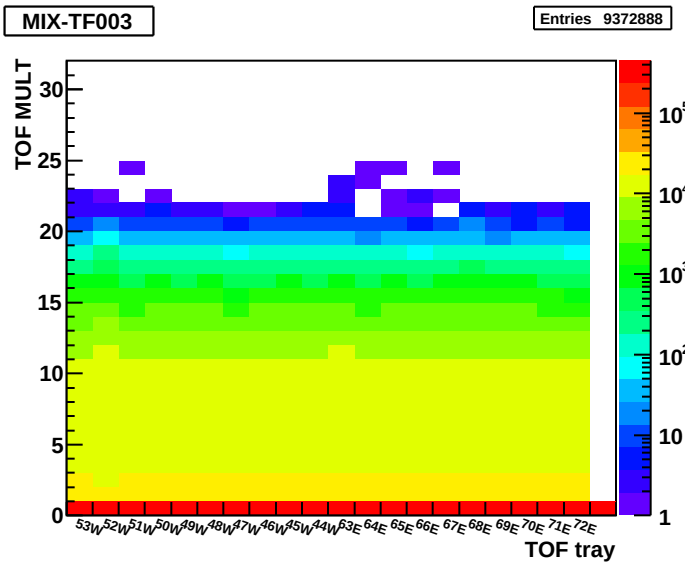

Endcap EMC L0 Input - Patch Sum
Entries 2.008476e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

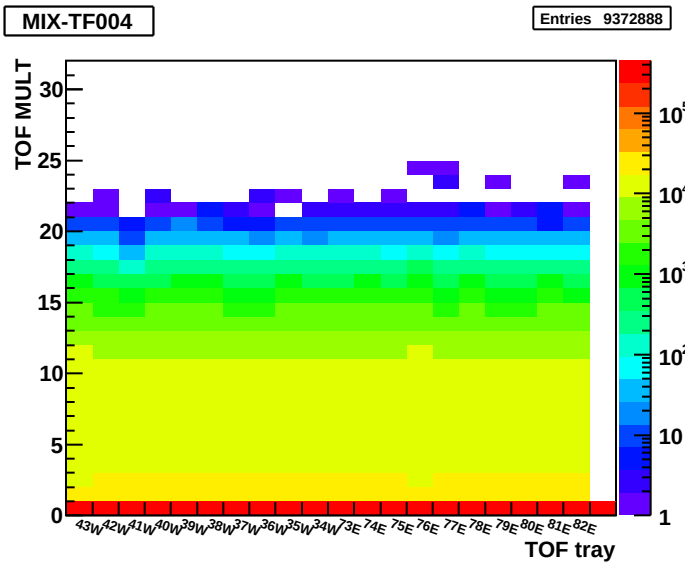

Barrel Jet Patches
Entries 4016952
JP ADC
JP ID

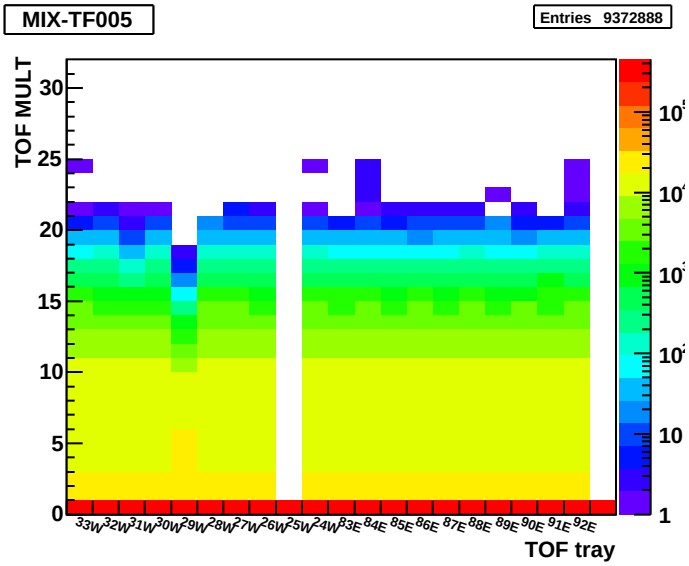

Hybrid Jet Patches
Entries 446328
JP ADC
JP ID

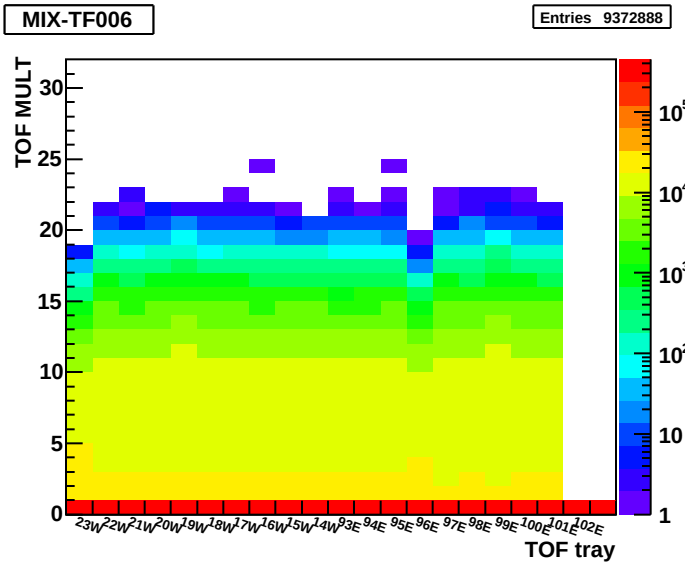

MIX-TF001
Entries 9372888
TOF MULT
TOF tray

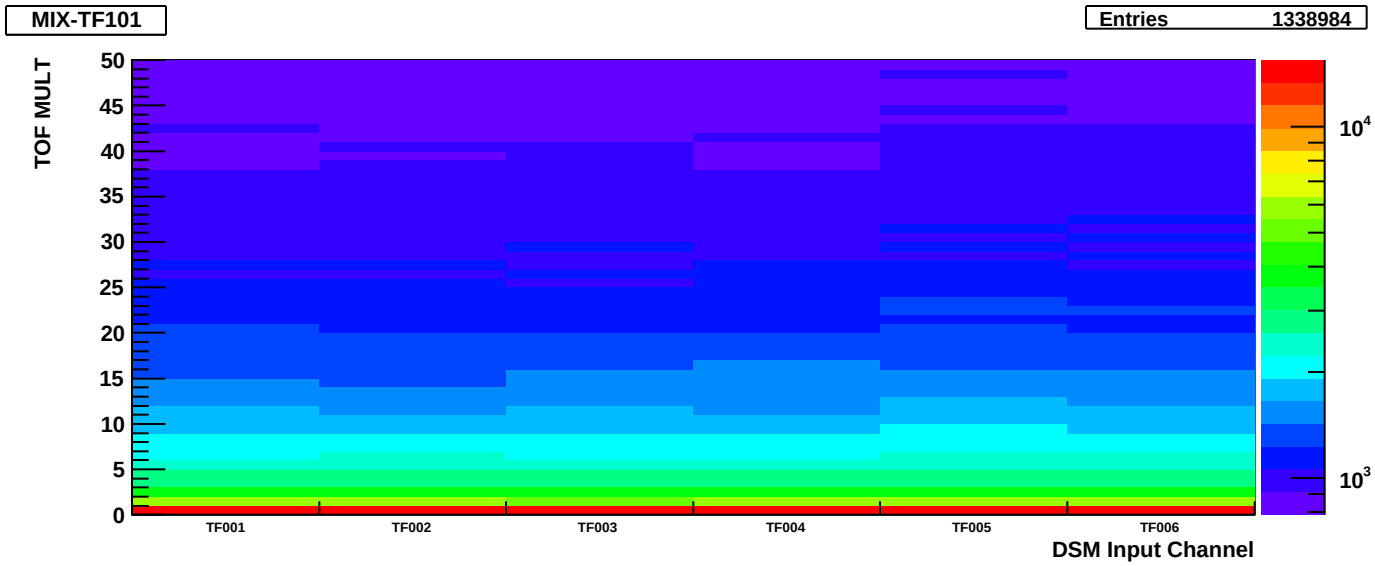

MIX-TF002
Entries 9372888
TOF MULT
TOF tray

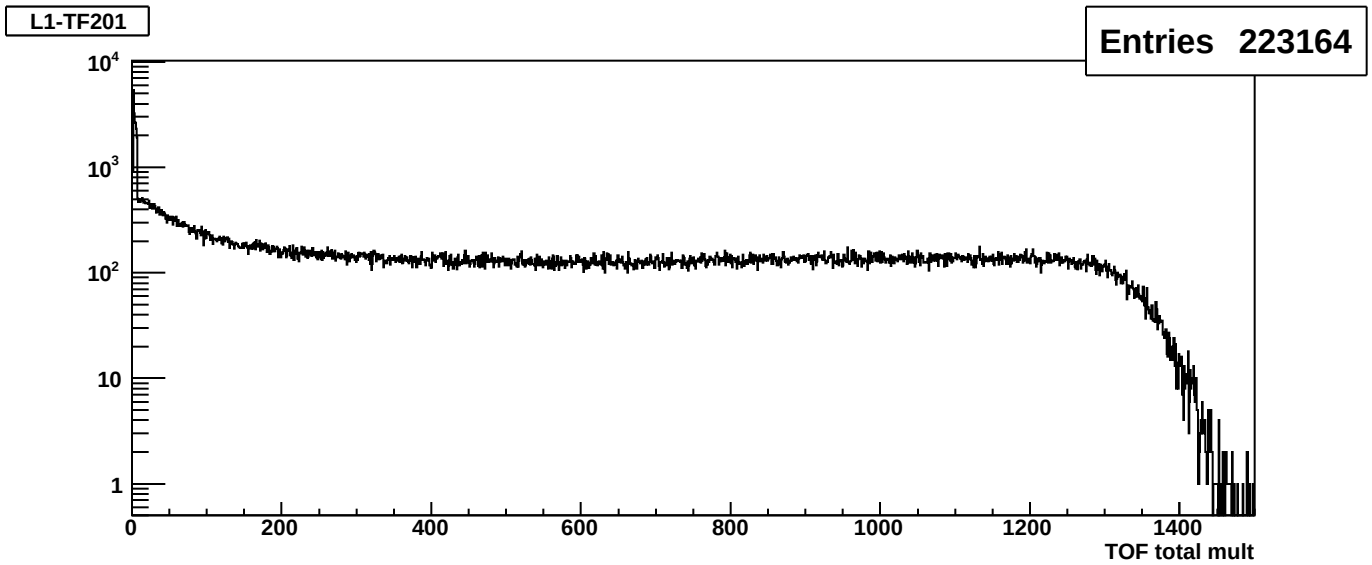

MIX-TF003
Entries 9372888
TOF MULT
TOF tray

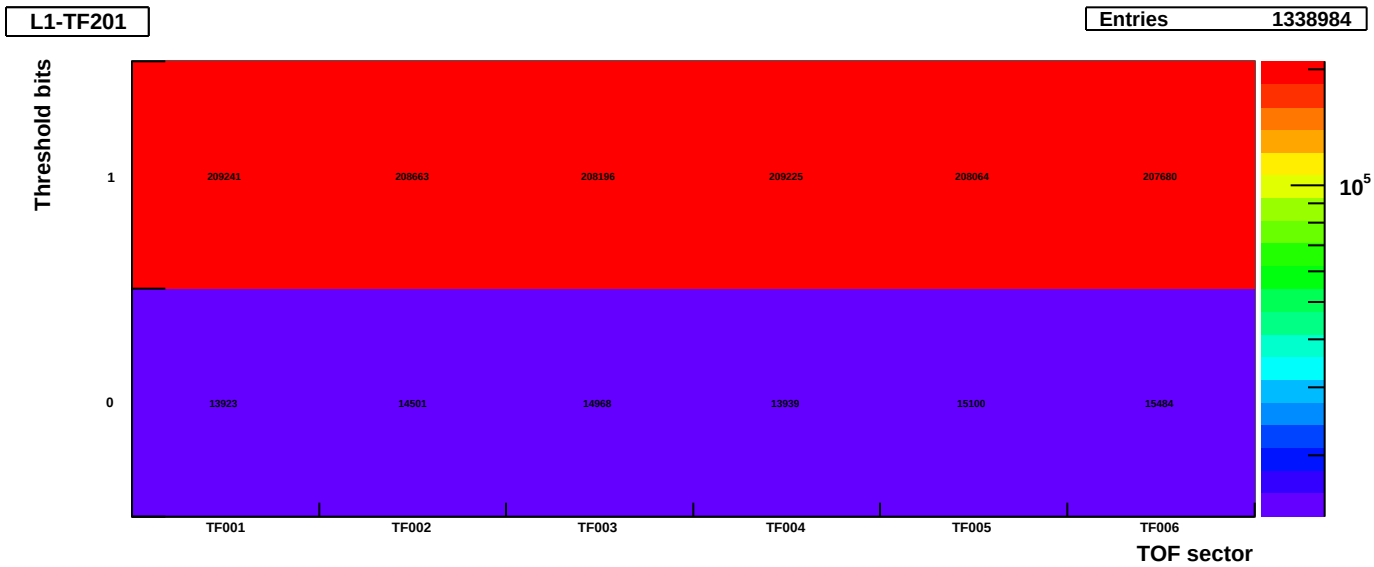

MIX-TF004
Entries 9372888
TOF MULT
TOF tray

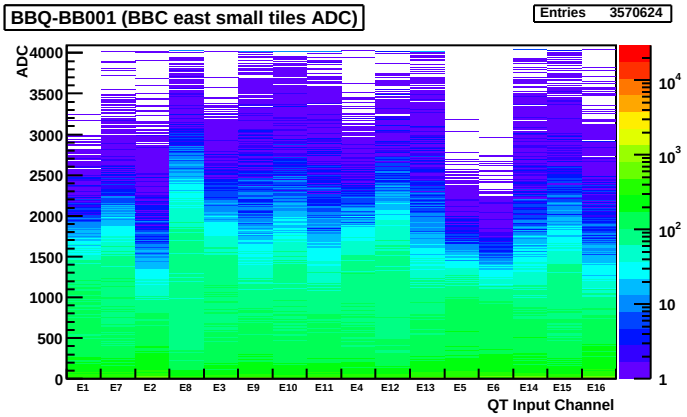

MIX-TF005
Entries 9372888
TOF MULT
TOF tray

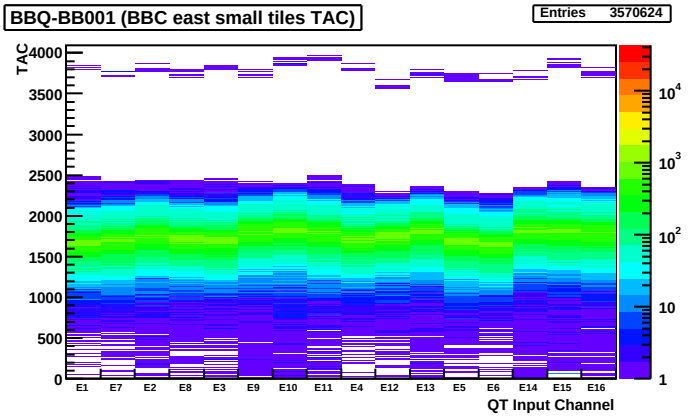

MIX-TF006
Entries 9372888
TOF MULT
TOF tray

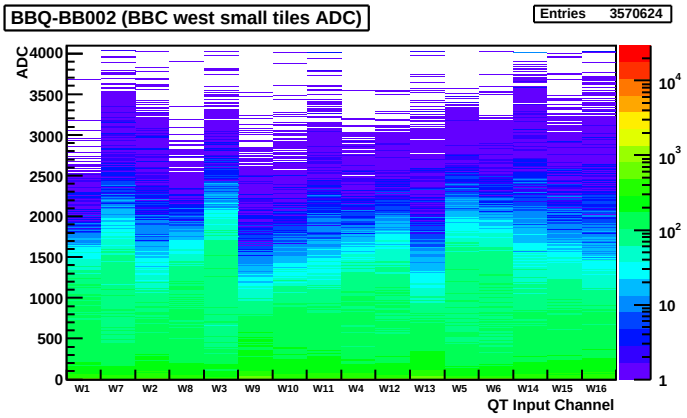

MIX-TF101
Entries 1338984
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3

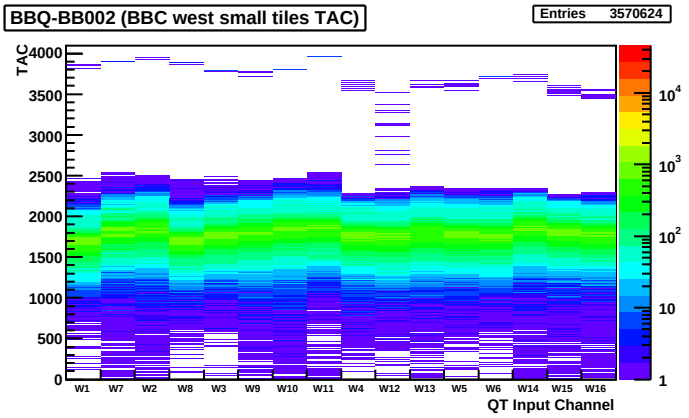

L1-TF201
Entries 223164
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

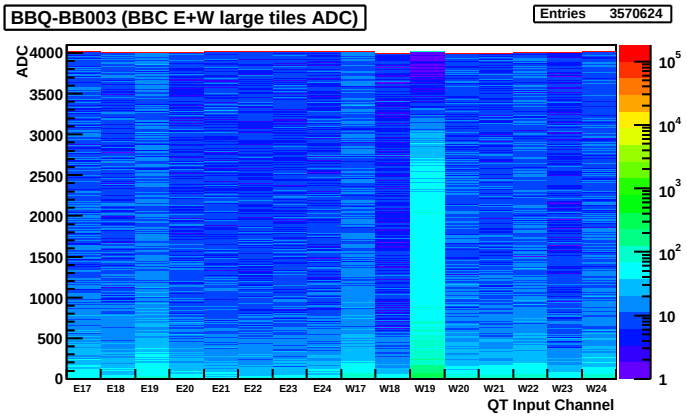

L1-TF201
Entries 1338984
Threshold bits
1
0
209241
208663
208196
209225
208064
207680
13923
14501
14968
13939
15100
15484
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

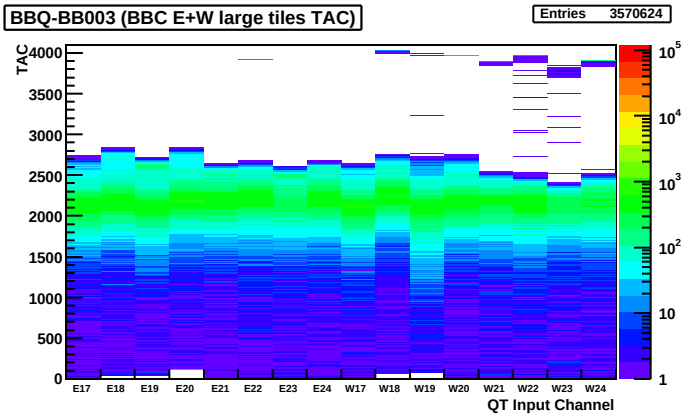

BBQ-BB001 (BBC east small tiles ADC)
Entries 3570624
ADC
QT Input Channel

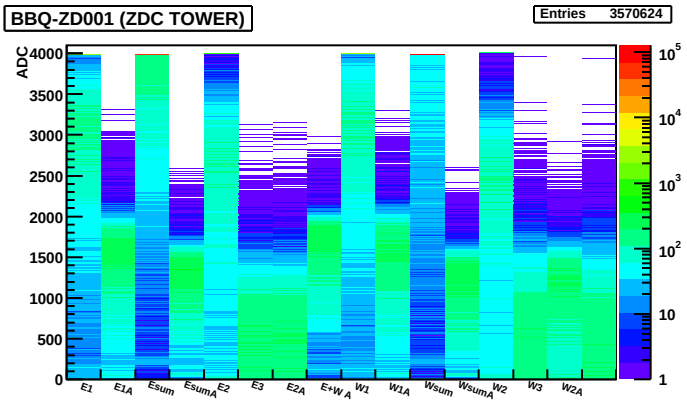

BBQ-BB001 (BBC east small tiles TAC)
Entries 3570624
TAC
QT Input Channel

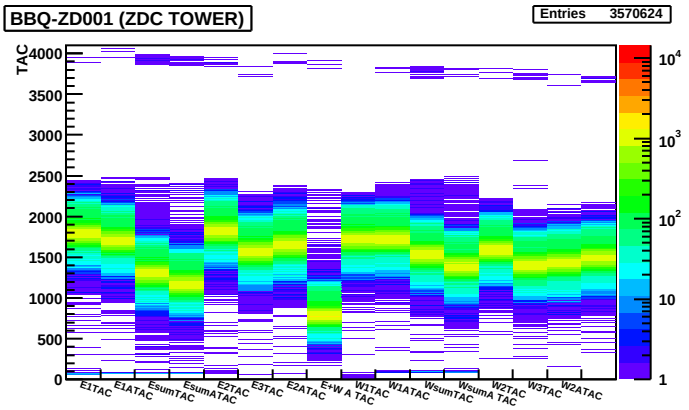

BBQ-BB002 (BBC west small tiles ADC)
Entries 3570624
ADC
QT Input Channel

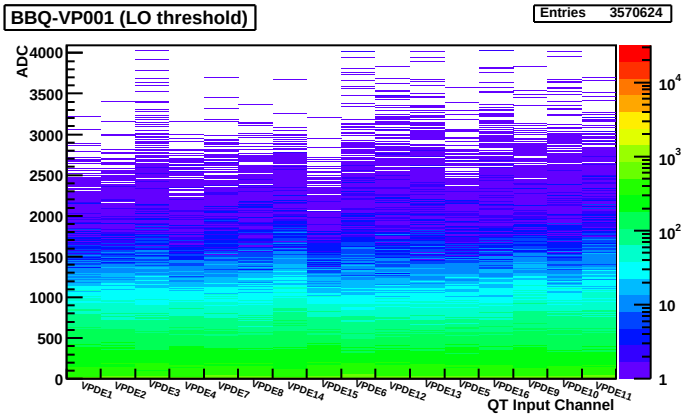

BBQ-BB002 (BBC west small tiles TAC)
Entries 3570624
TAC
QT Input Channel

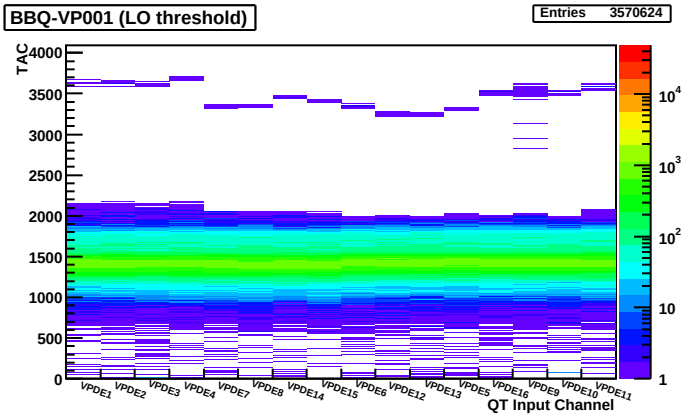

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 3570624
ADC
QT Input Channel

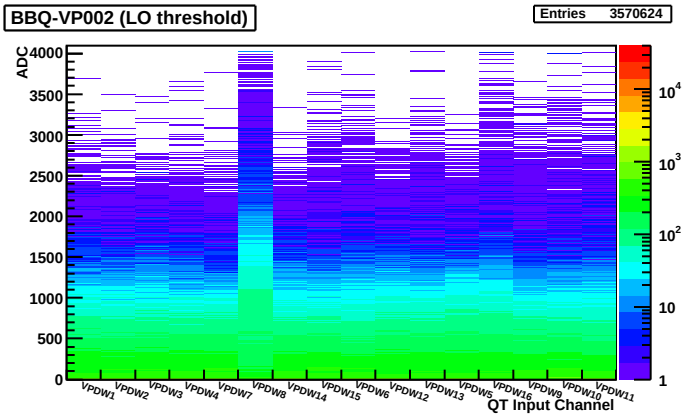

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 3570624
TAC
QT Input Channel

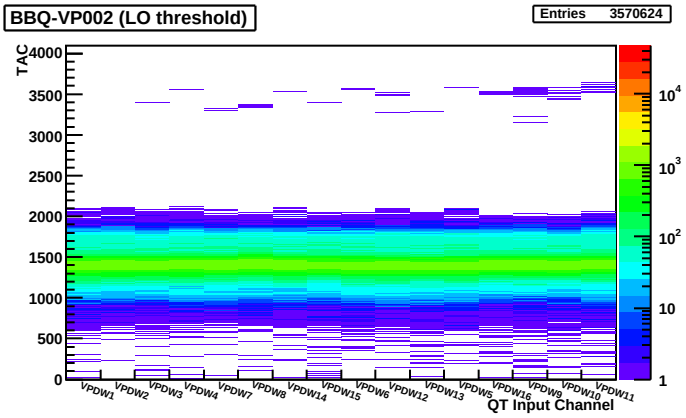

BBQ-ZD001 (ZDC TOWER)
Entries 3570624
ADC

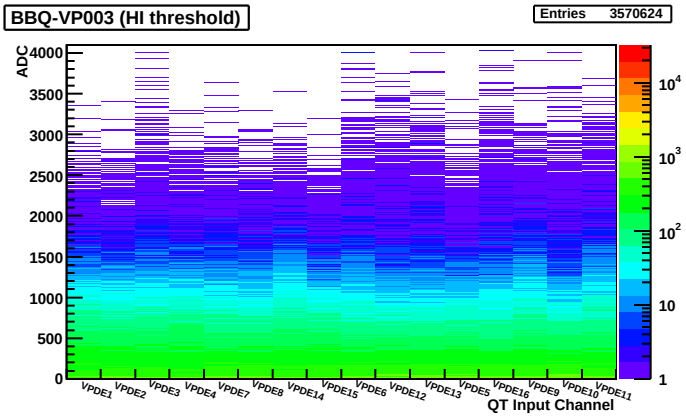

BBQ-ZD001 (ZDC TOWER)
Entries 3570624
TAC

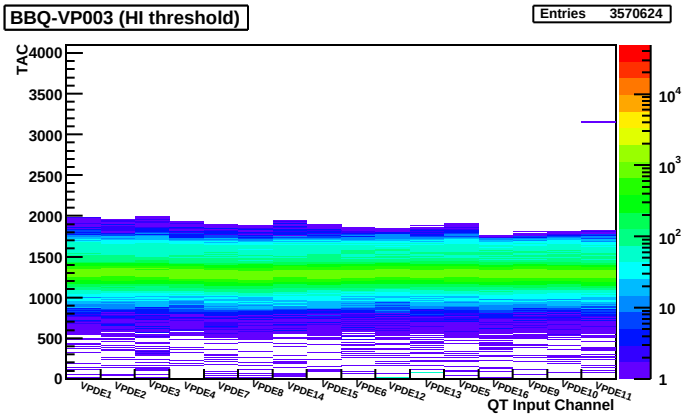

BBQ-VP001 (LO threshold)
Entries 3570624
ADC
QT Input Channel

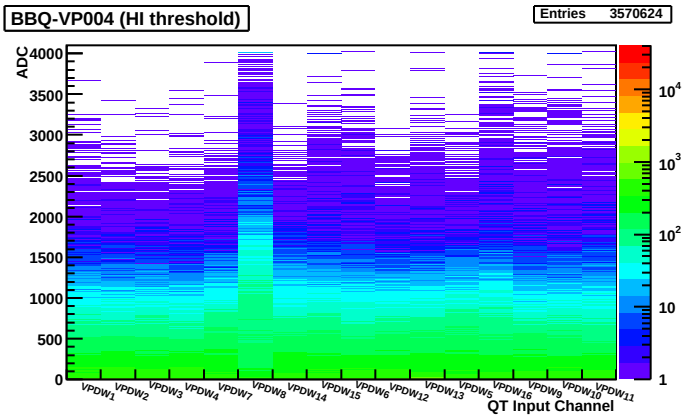

BBQ-VP001 (LO threshold)
Entries 3570624
TAC
QT Input Channel

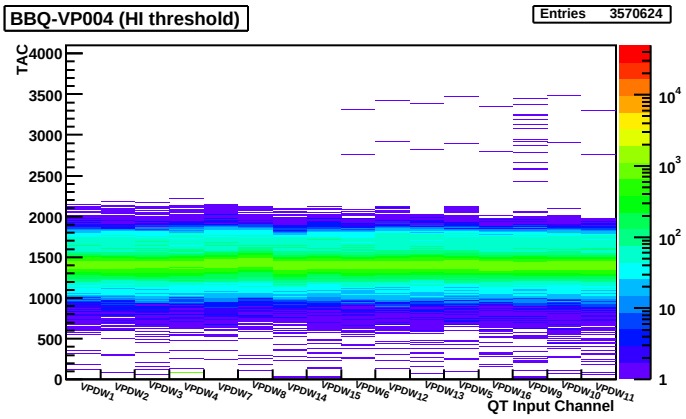

BBQ-VP002 (LO threshold)
Entries 3570624
ADC
QT Input Channel

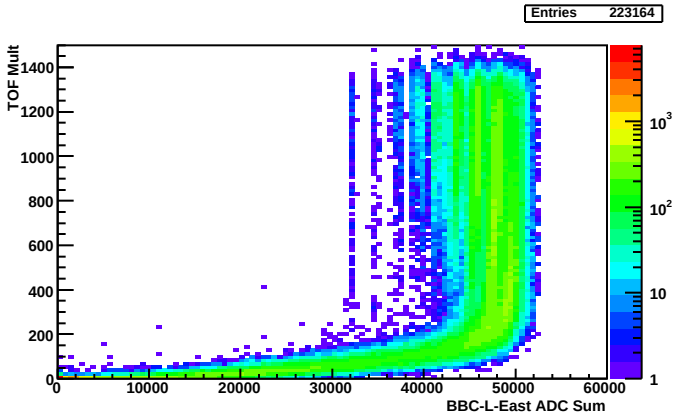

BBQ-VP002 (LO threshold)
Entries 3570624
TAC
QT Input Channel

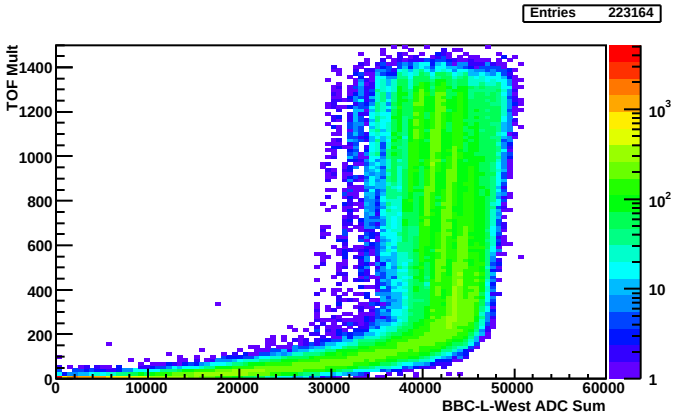

BBQ-VP003 (HI threshold)
Entries 3570624
ADC
QT Input Channel

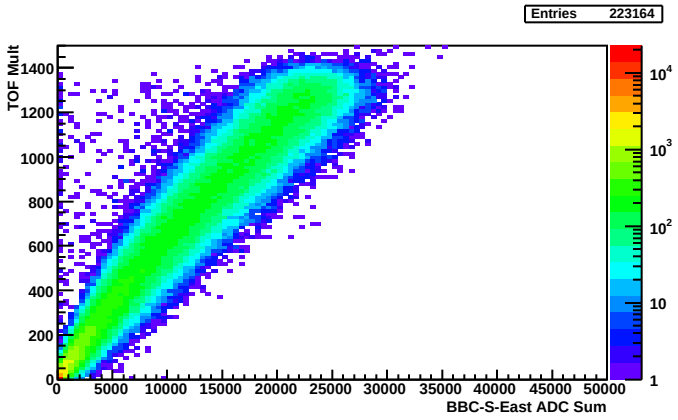

BBQ-VP003 (HI threshold)
Entries 3570624
TAC
QT Input Channel

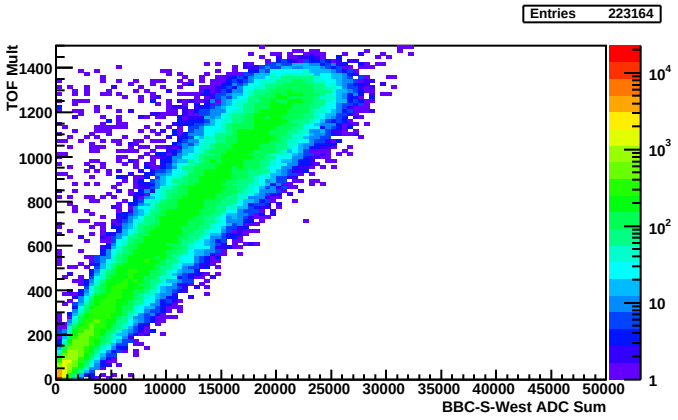

BBQ-VP004 (HI threshold)
Entries 3570624
ADC
QT Input Channel

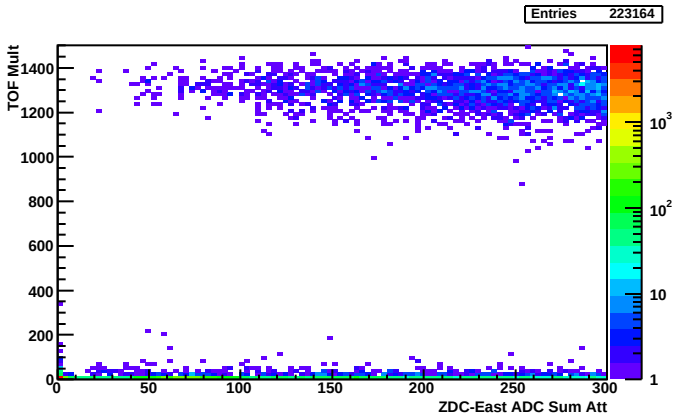

BBQ-VP004 (HI threshold)
Entries 3570624
TAC
QT Input Channel


Entries 223164
TOF Mult
BBC-L-East ADC Sum


Entries 223164
TOF Mult
BBC-L-West ADC Sum


Entries 223164
TOF Mult
BBC-S-East ADC Sum


Entries 223164
TOF Mult
BBC-S-West ADC Sum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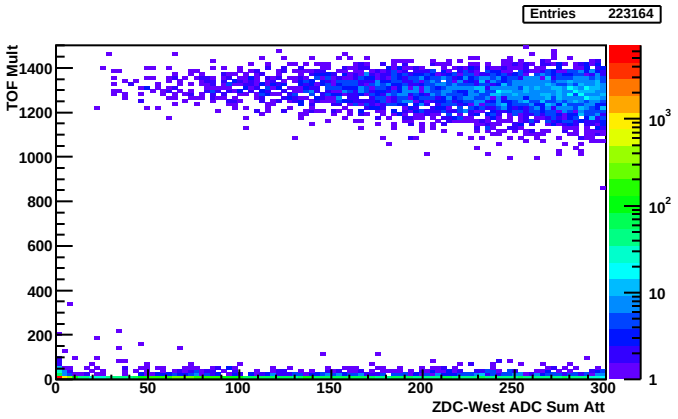
TOF Mult
ZDC-East ADC Sum Att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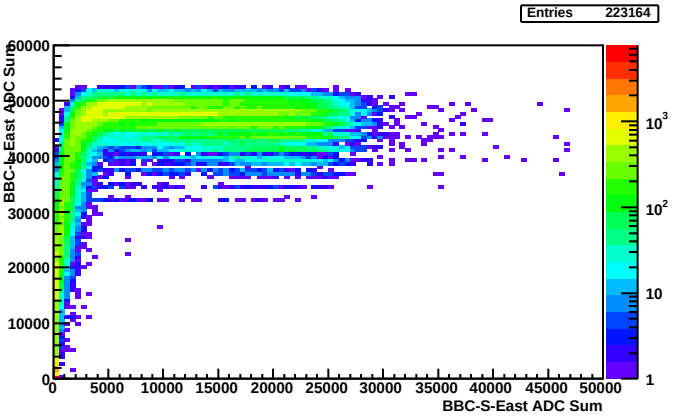
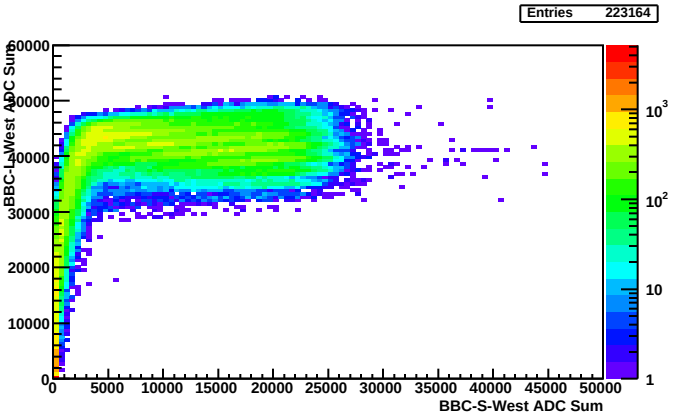
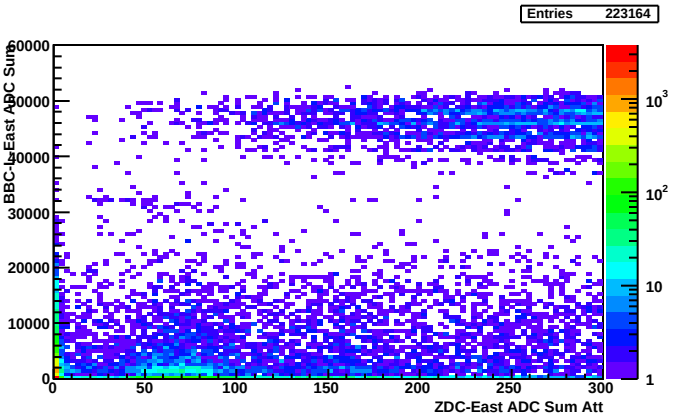
TOF Mult
ZDC-West ADC Sum Att


Entries 223164
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 223164
BBC-L-West ADC Sum
BBC-S-West ADC Sum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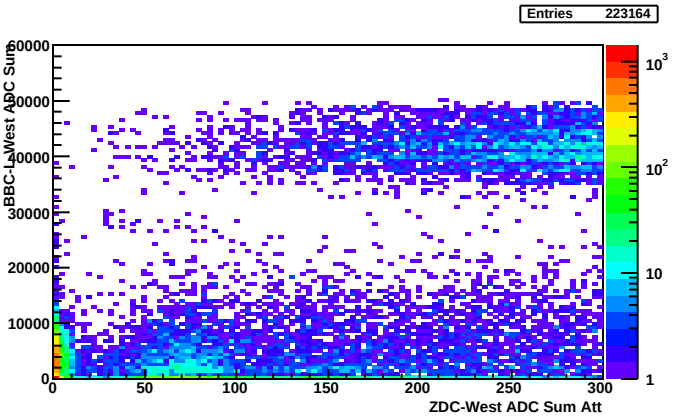
ZDC-East ADC Sum Att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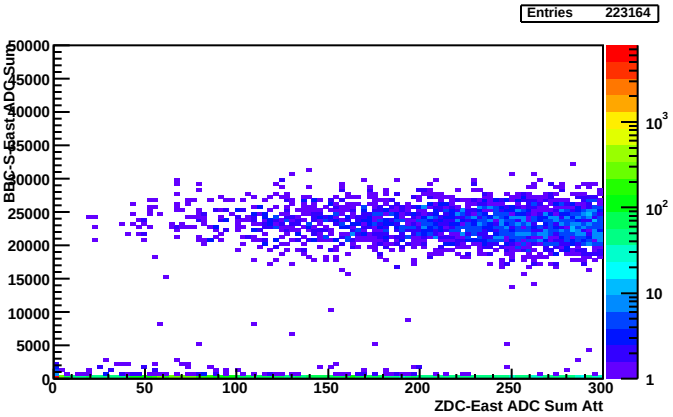
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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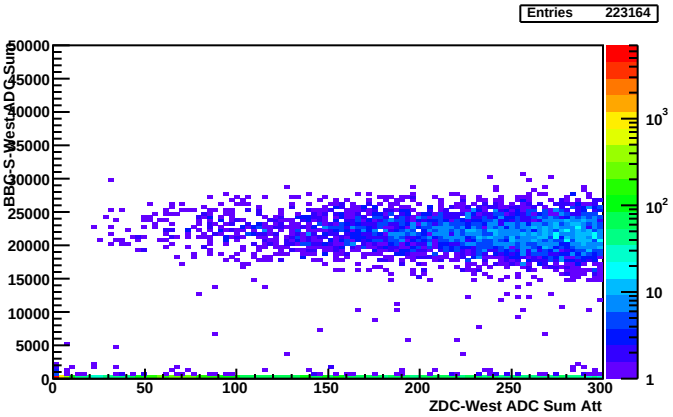
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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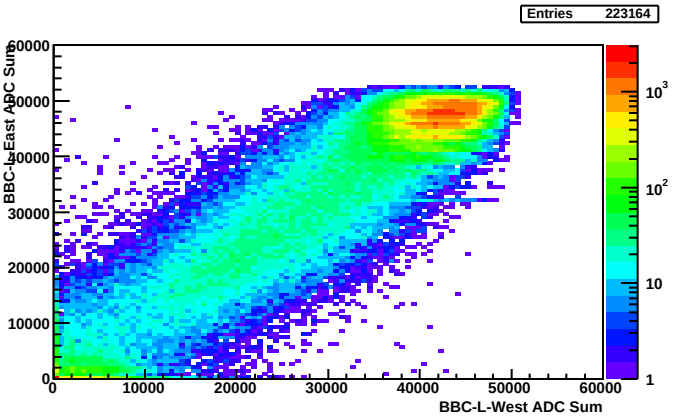
ZDC-West ADC Sum Att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BBC-L-East ADC Sum
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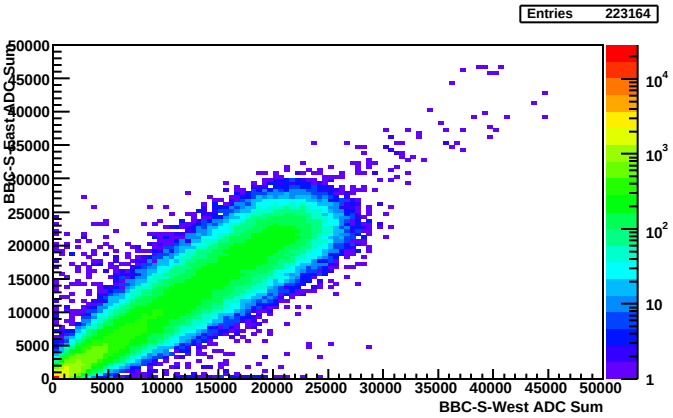
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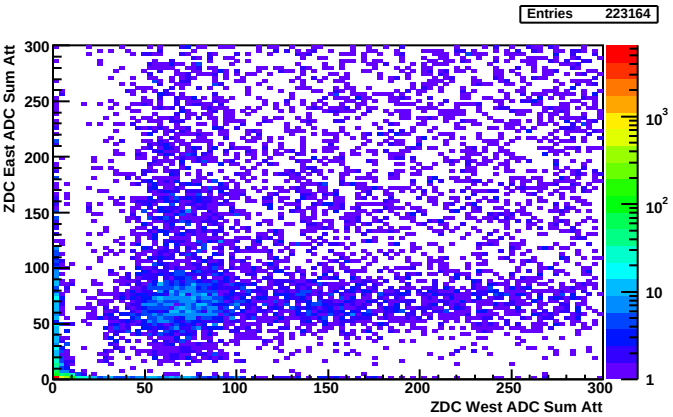
BBC-S-West ADC Sum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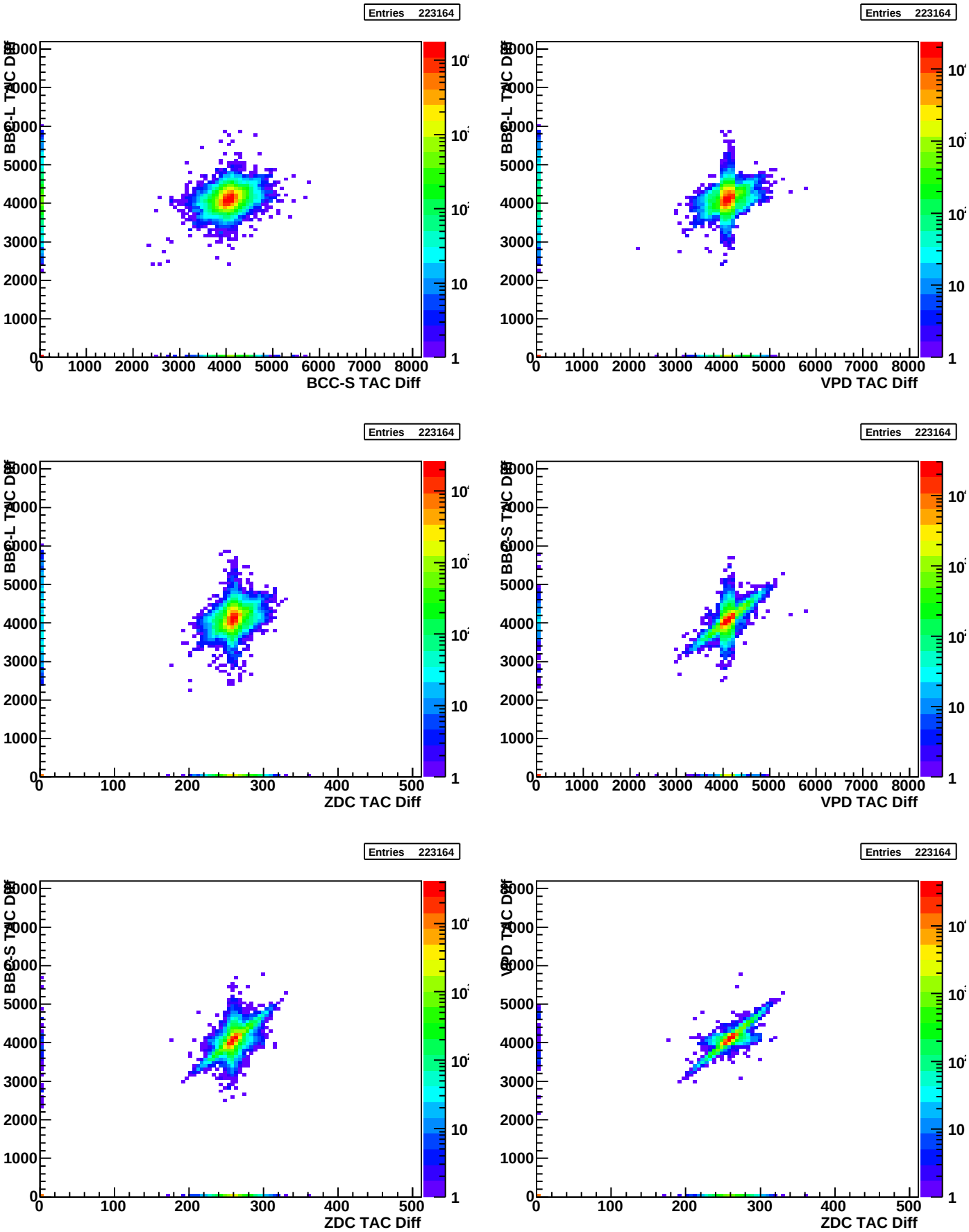
ZDC East ADC Sum Att
ZDC West ADC Sum Att


Entries 223164
BBC-L TAC Diff
BCC-S TAC Diff
Entries 223164
BBC-L TAC Diff
VPD TAC Diff
Entries 223164
BBC-L TAC Diff
ZDC TAC Diff
Entries 223164
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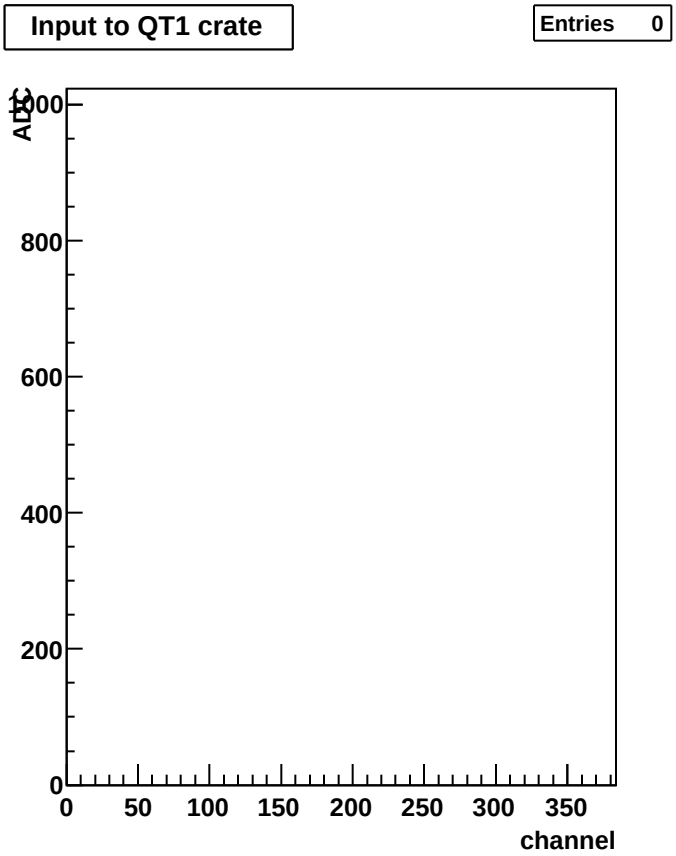
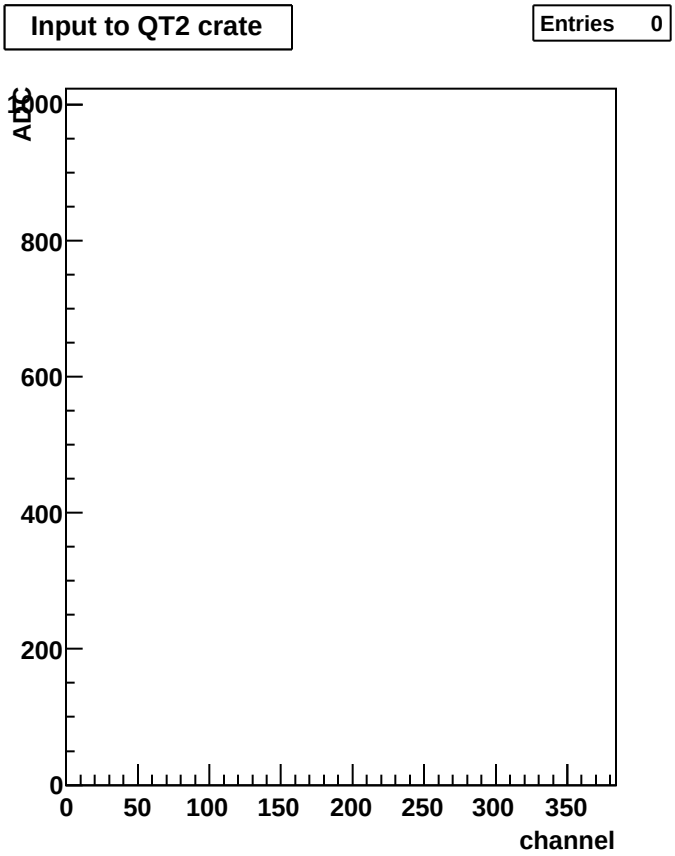
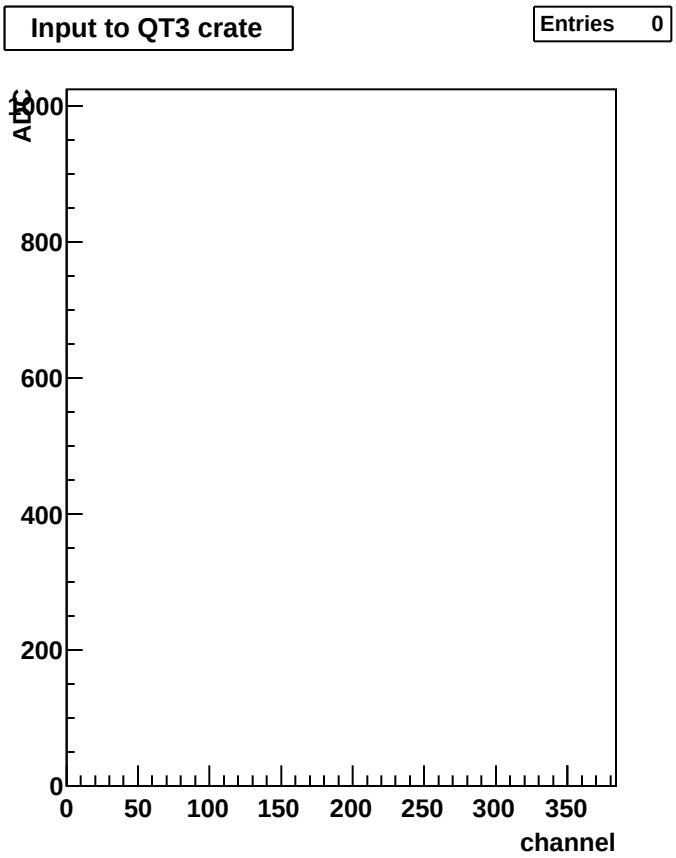
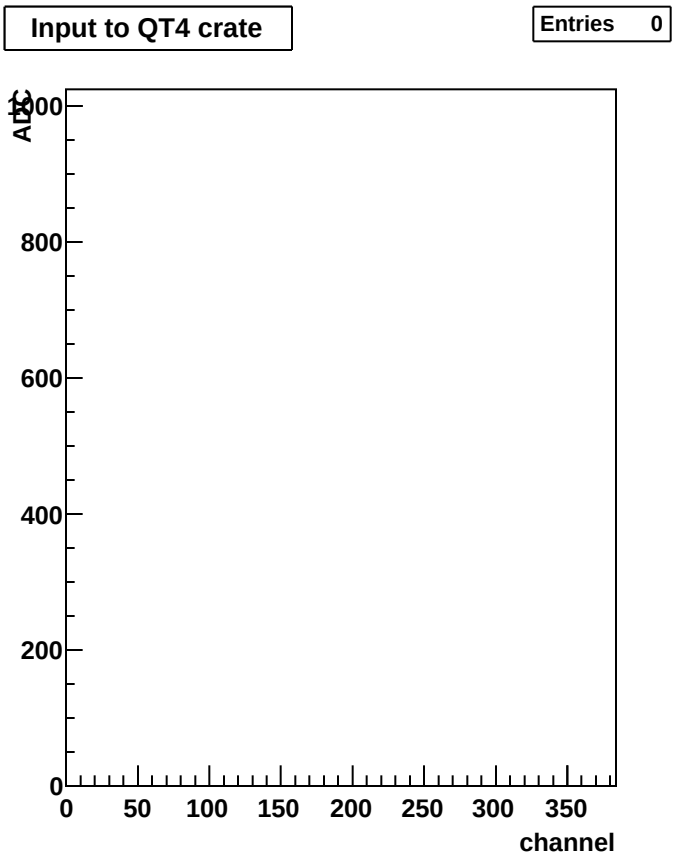
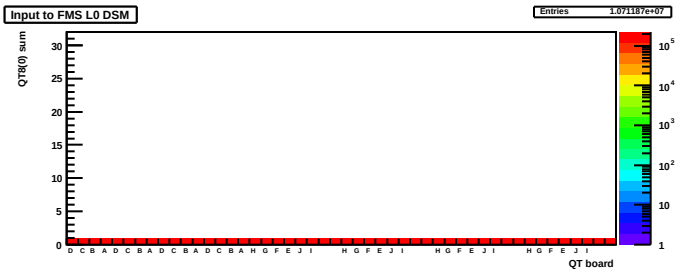
VPD TAC Diff
Entries 223164
BBC-S TAC Diff
ZDC TAC Diff
Entries 223164
VPD TAC Diff
ZDC TAC Diff

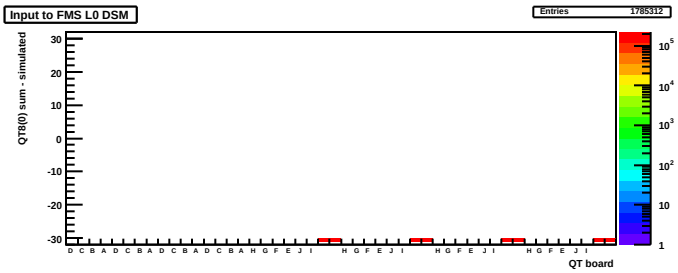

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

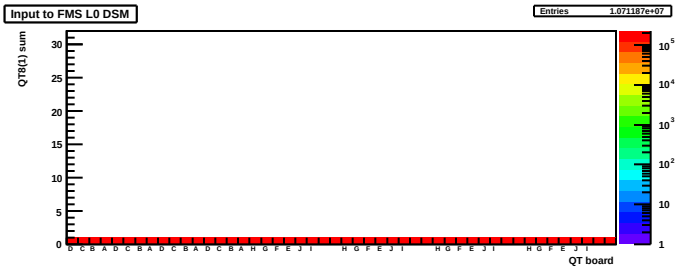

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

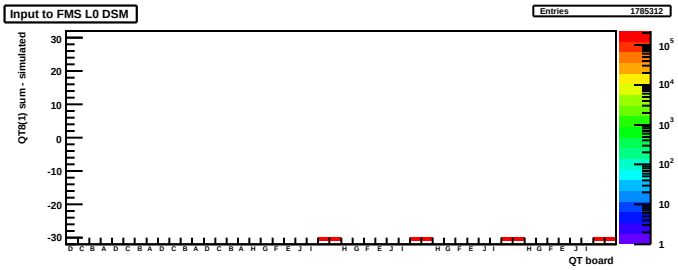

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

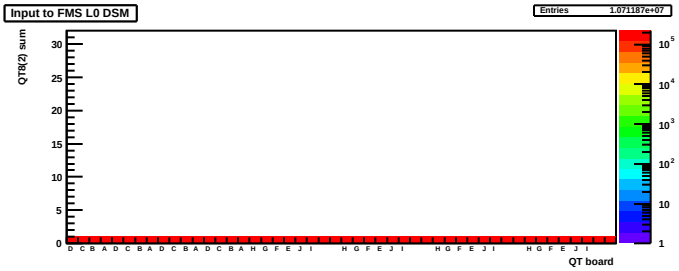

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

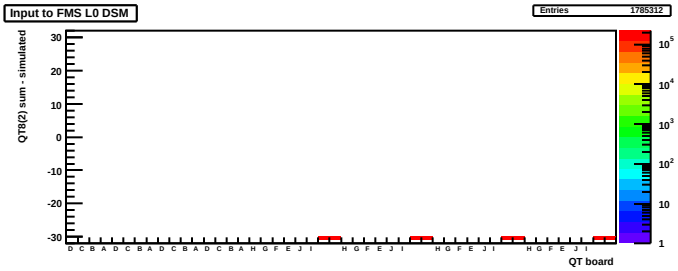

Input to FMS L0 DSM
Entries 1.071187e+07
QT8(0) sum
QT board

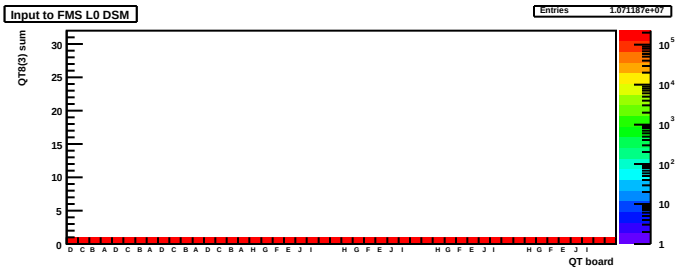

Input to FMS L0 DSM
Entries 1785312
QT8(0) sum - simulated
QT board

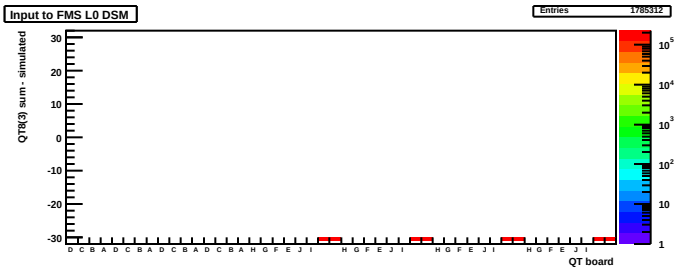

Input to FMS L0 DSM
Entries 1.071187e+07
QT8(1) sum
QT board

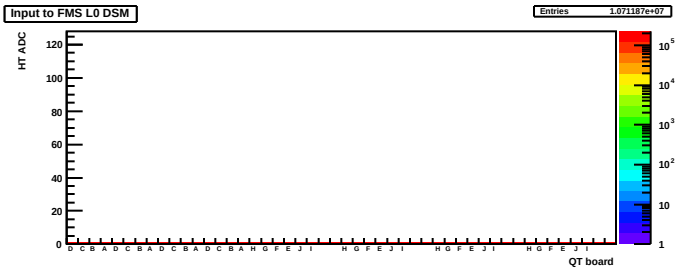

Input to FMS L0 DSM
Entries 1785312
QT8(1) sum - simulated
QT board

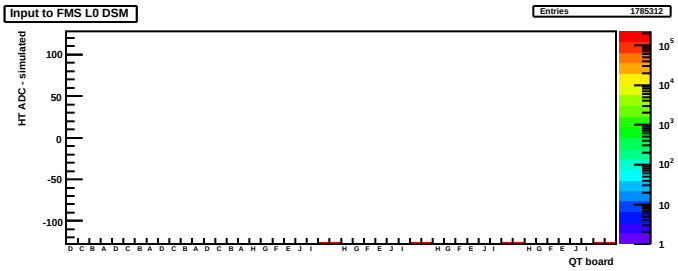

Input to FMS L0 DSM
Entries 1.071187e+07
QT8(2) sum
QT board

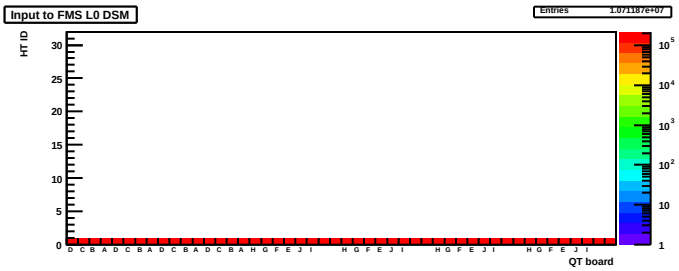

Input to FMS L0 DSM
Entries 1785312
QT8(2) sum - simulated
QT board

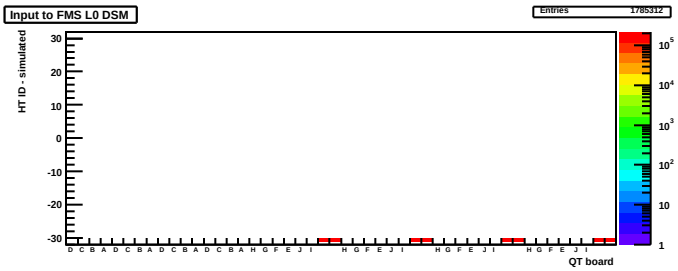

Input to FMS L0 DSM
Entries 1.071187e+07
QT8(3) sum
QT board

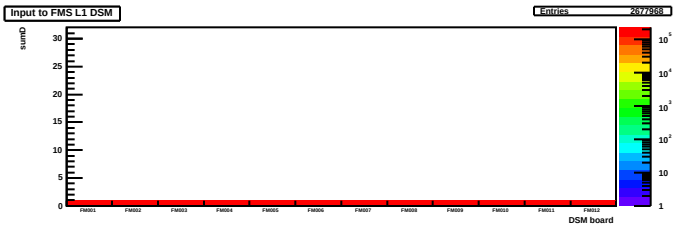

Input to FMS L0 DSM
Entries 1785312
QT8(3) sum - simulated
QT board

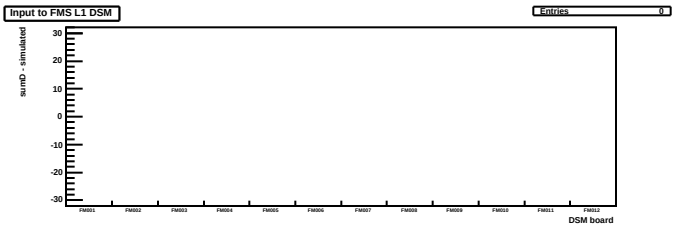

Input to FMS L0 DSM
Entries 1.071187e+07
HT ADC
QT board

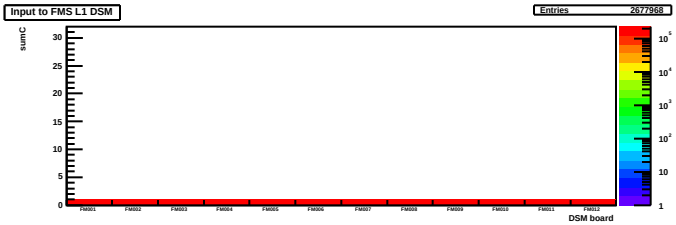

Input to FMS L0 DSM
Entries 1785312
HT ADC - simulated
QT board

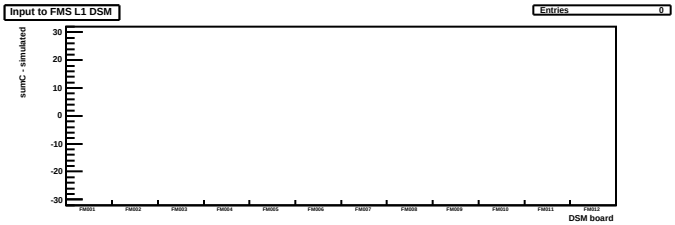

Input to FMS L0 DSM
Entries 1.071187e+07
HT ID
QT board

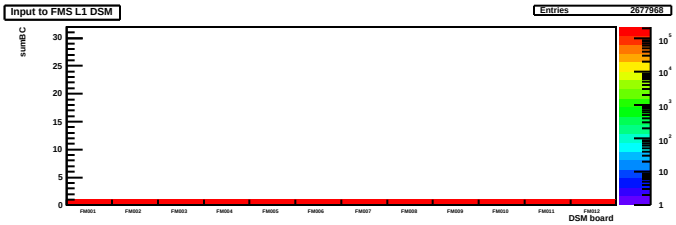

Input to FMS L0 DSM
Entries 1785312
HT ID - simulated
QT board

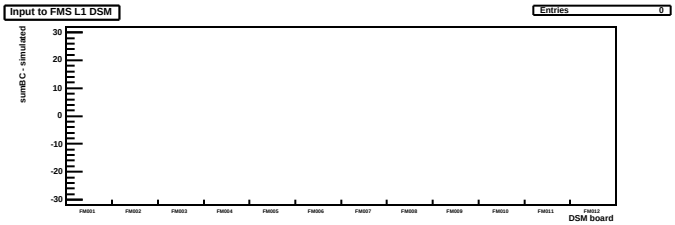

Input to FMS L1 DSM
Entries 2677968
sumD
DSM board

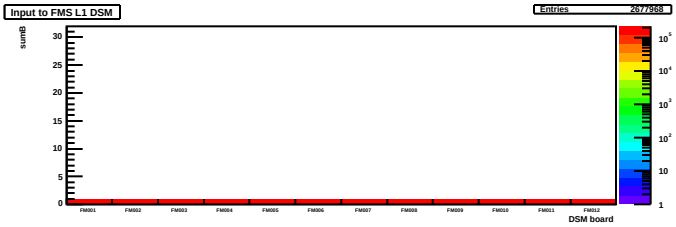

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

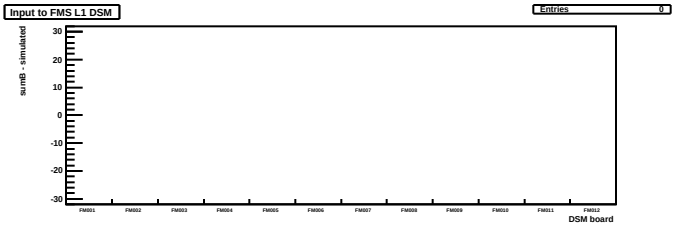

Input to FMS L1 DSM
Entries 2677968
sumC
DSM board

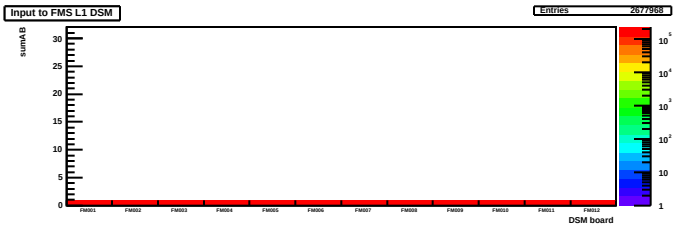

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

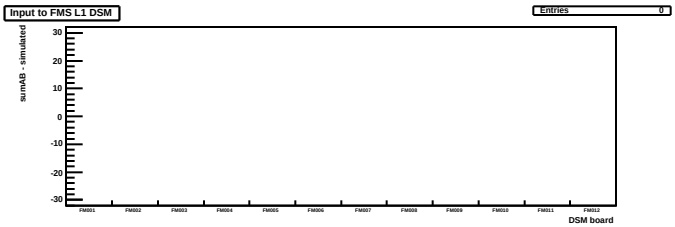

Input to FMS L1 DSM
Entries 2677968
sumBC
DSM board

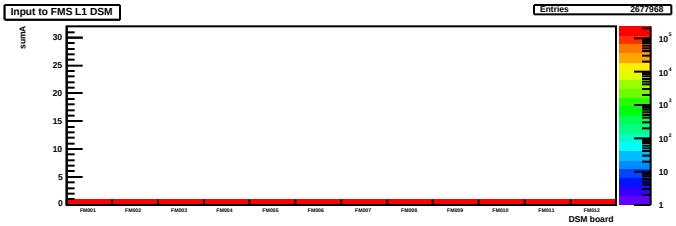

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

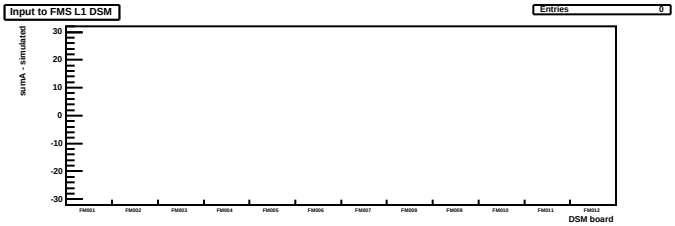

Input to FMS L1 DSM
Entries 2677968
sumB
DSM board

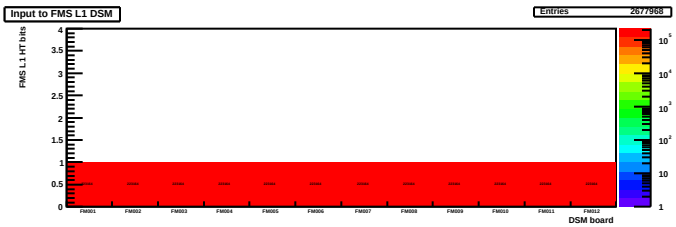

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

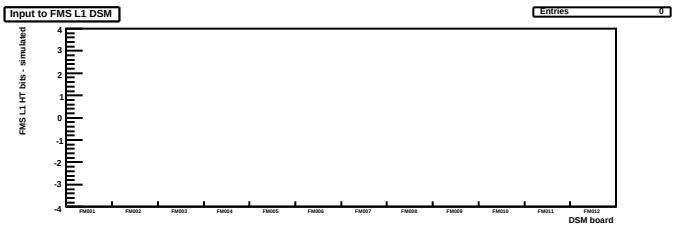

Input to FMS L1 DSM
Entries 2677968
sumAB
DSM board

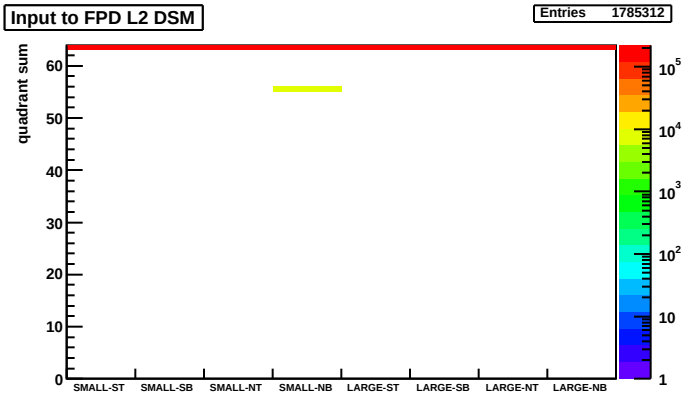

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

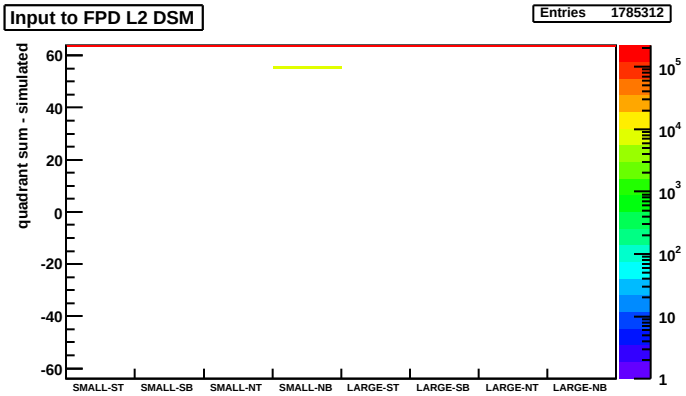

Input to FMS L1 DSM
Entries 2677968
sumA
DSM board

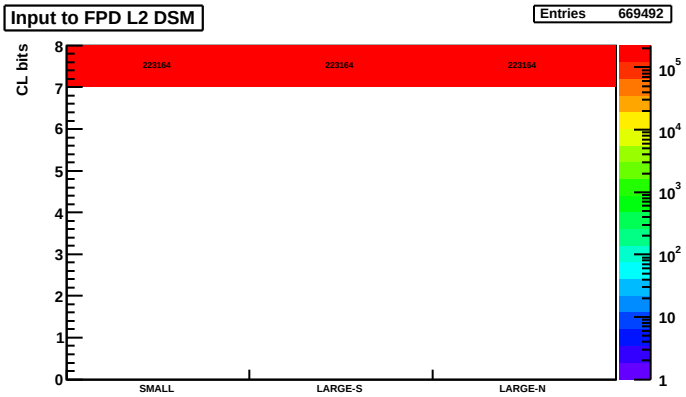

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

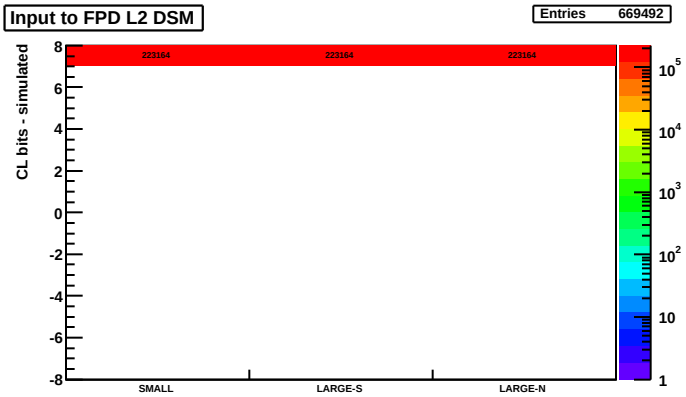

Input to FMS L1 DSM
Entries 2677968
FMS L1 HT bits
DSM board

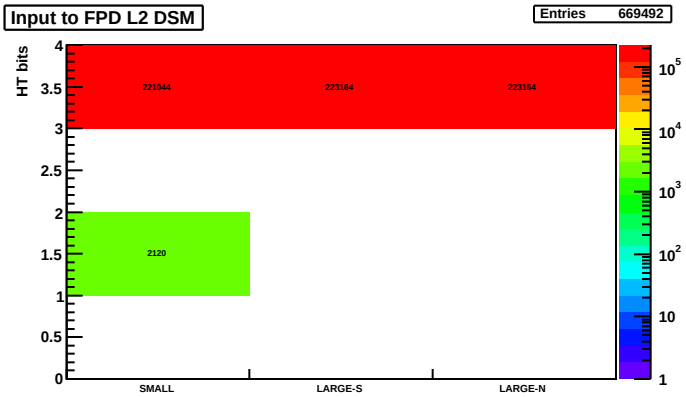

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

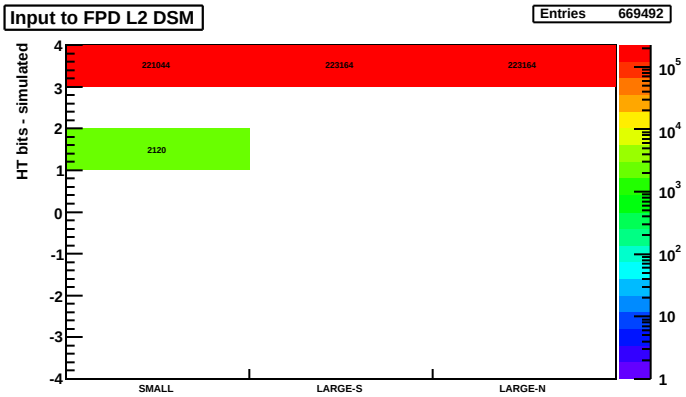

Input to FPD L2 DSM
Entries 1785312
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

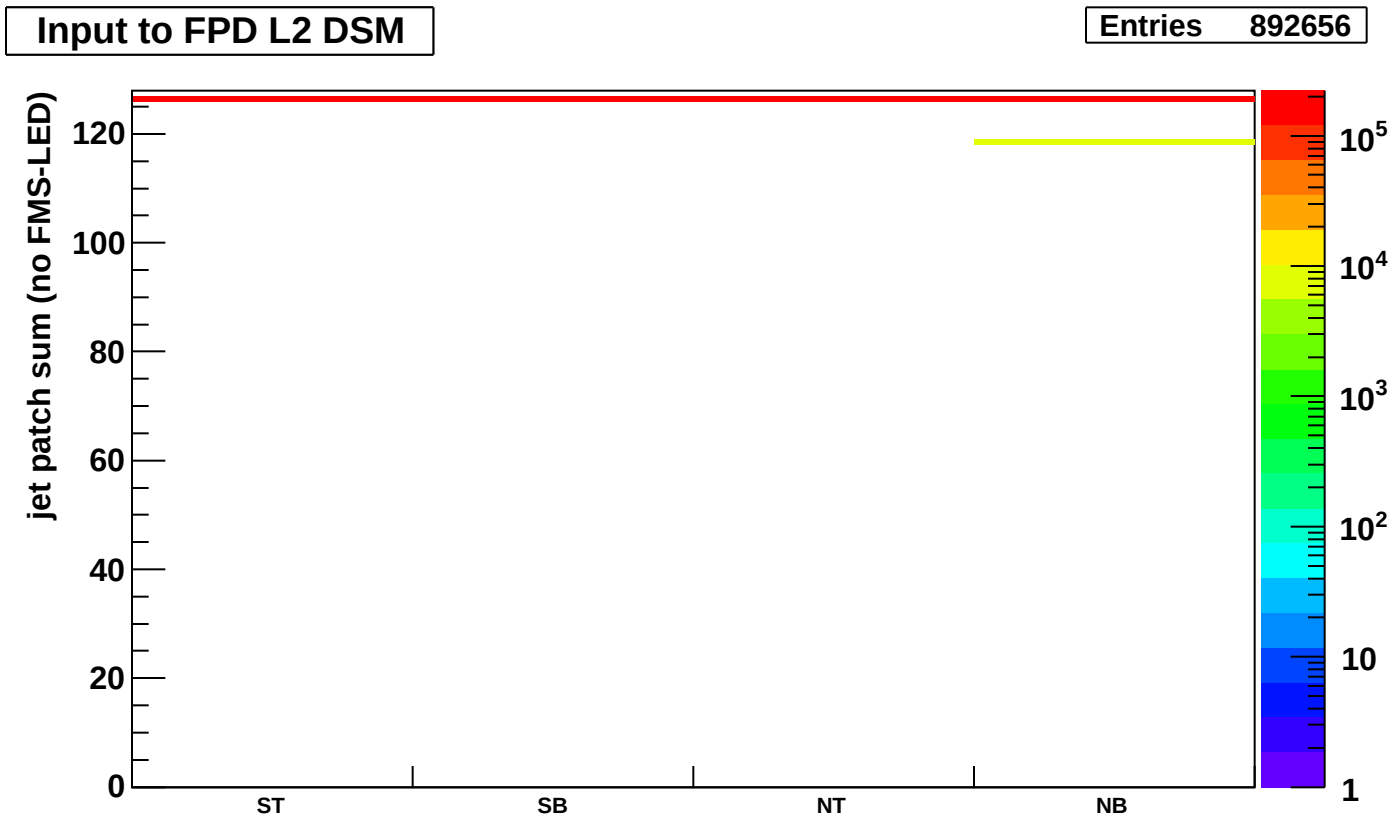

Input to FPD L2 DSM
Entries 1785312
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

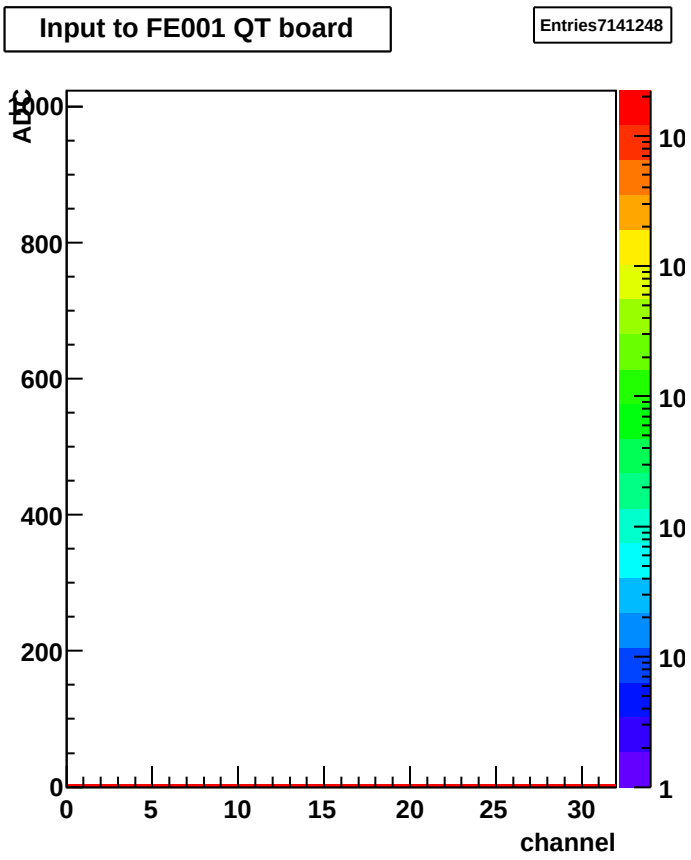

Input to FPD L2 DSM
Entries 669492
CL bits
223164
223164
223164
SMALL
LARGE-S
LARGE-N

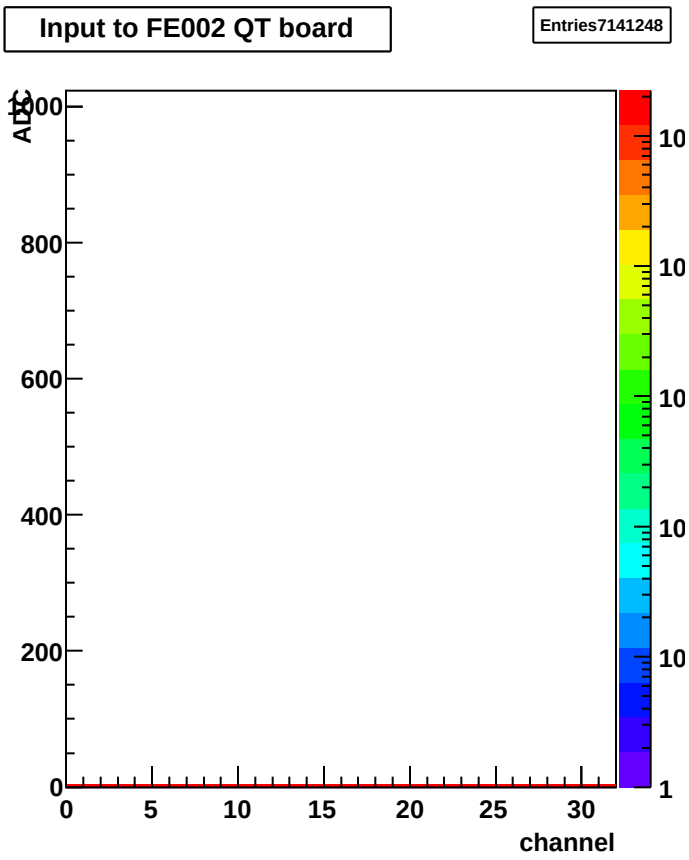

Input to FPD L2 DSM
Entries 669492
CL bits - simulated
223164
223164
223164
SMALL
LARGE-S
LARGE-N

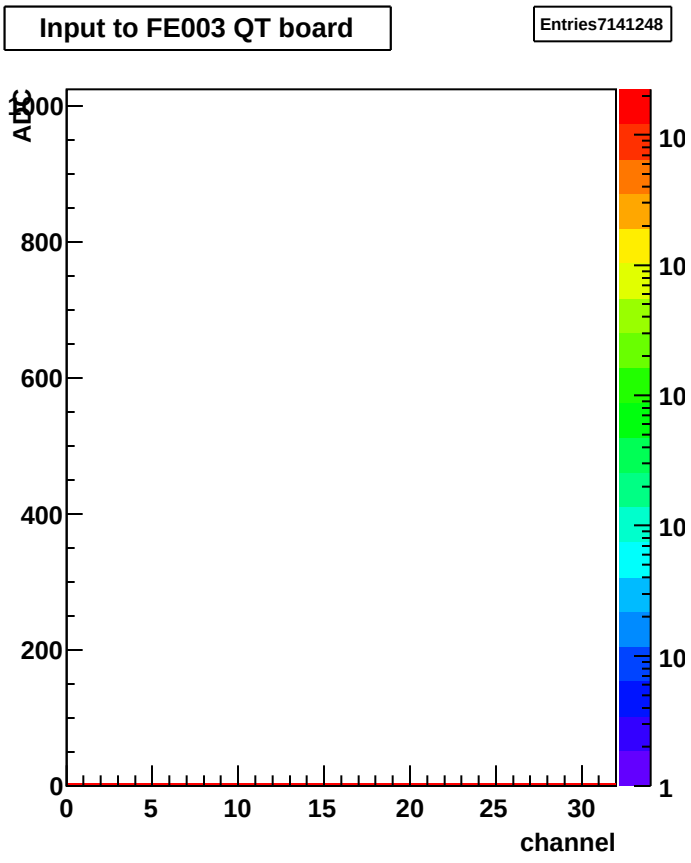

Input to FPD L2 DSM
Entries 669492
HT bits
221044
223164
223164
2120
SMALL
LARGE-S
LARGE-N

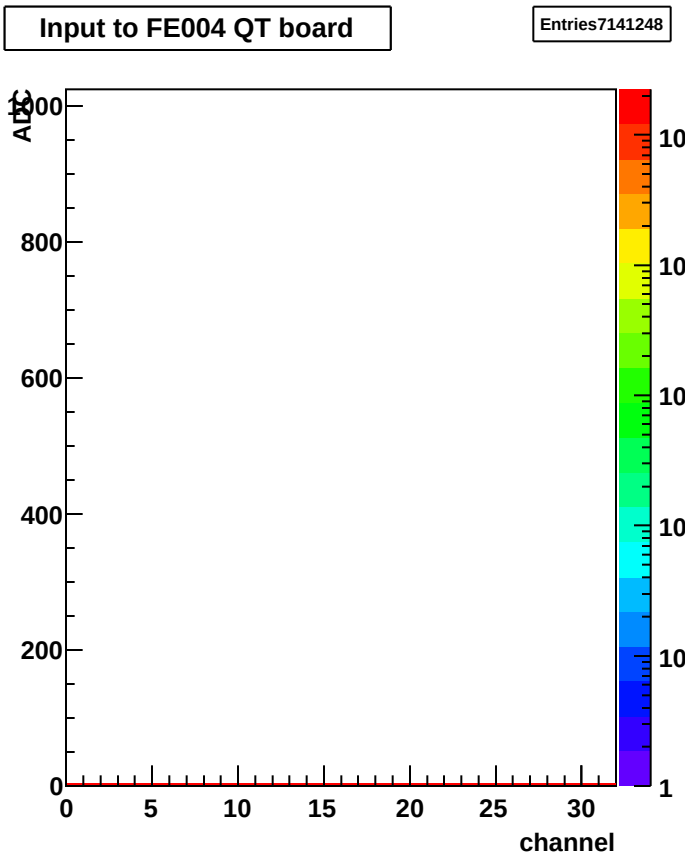

Input to FPD L2 DSM
Entries 669492
HT bits - simulated
221044
223164
223164
2120
SMALL
LARGE-S
LARGE-N

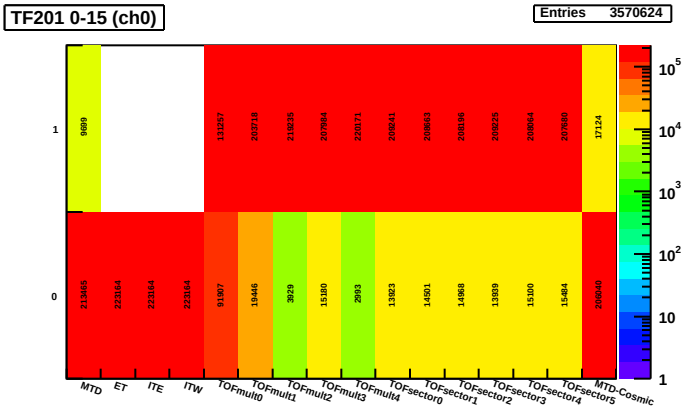

Input to FPD L2 DSM
Entries 892656
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

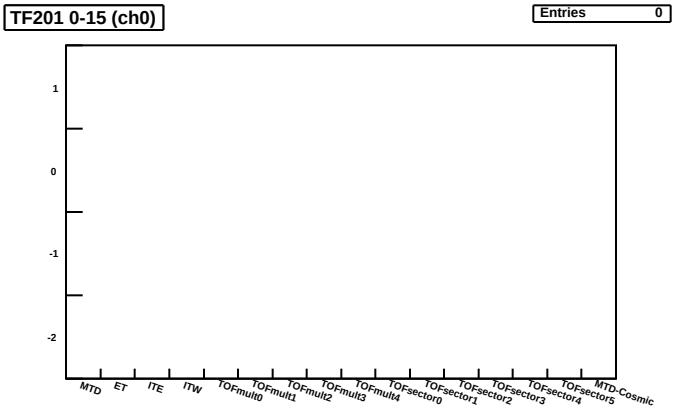

Input to FE001 QT board
Entries7141248
ADC
channel

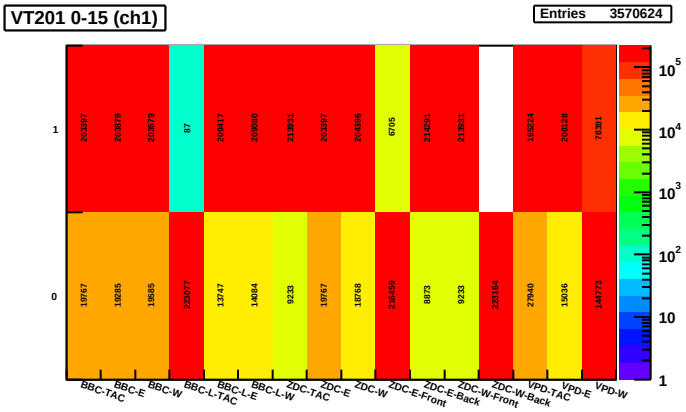

Input to FE002 QT board
Entries7141248
ADC
channel

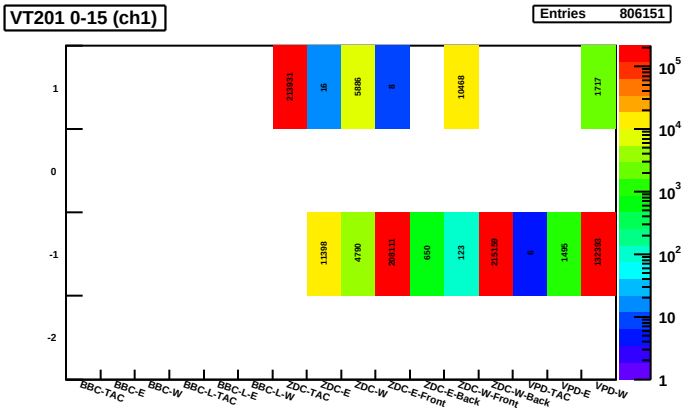

Input to FE003 QT board
Entries7141248
ADC
channel

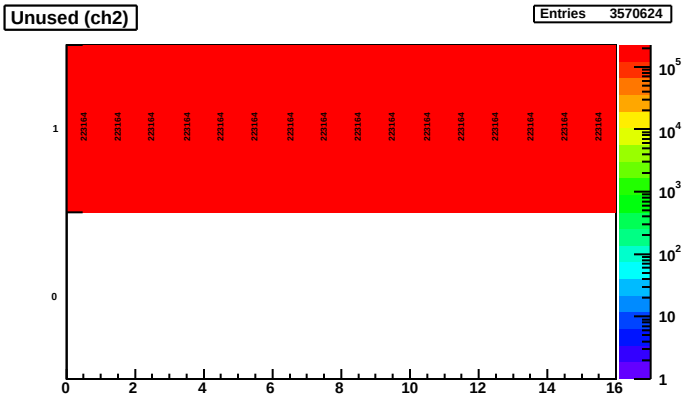

Input to FE004 QT board
Entries7141248
ADC
channel

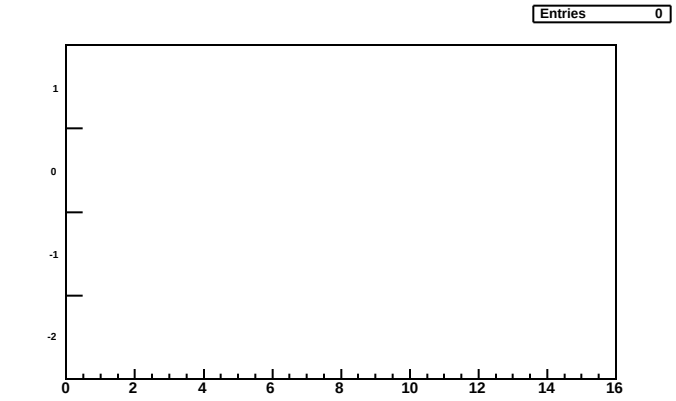

TF201 0-15 (ch0)
Entries 3570624
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

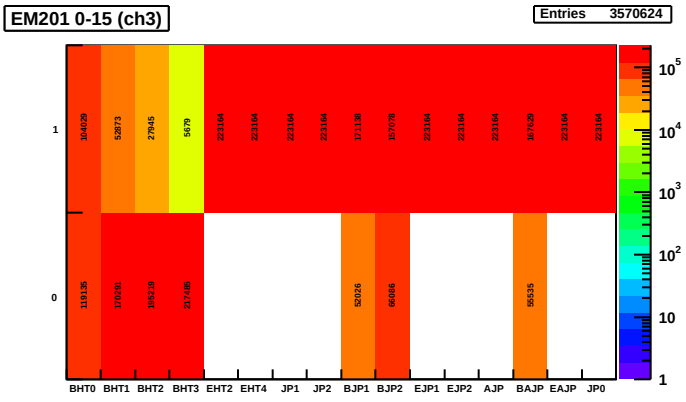

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

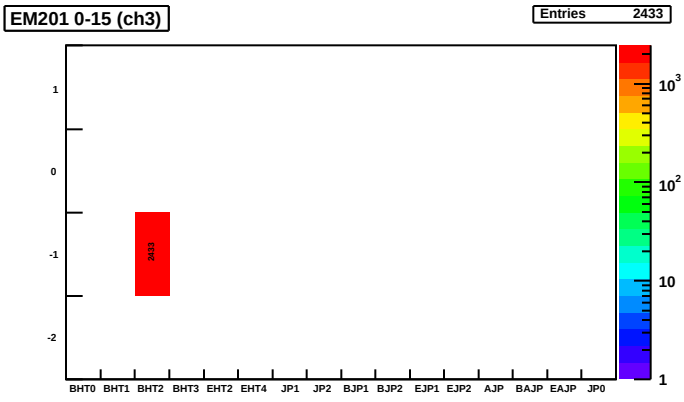

VT201 0-15 (ch1)
Entries 3570624
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

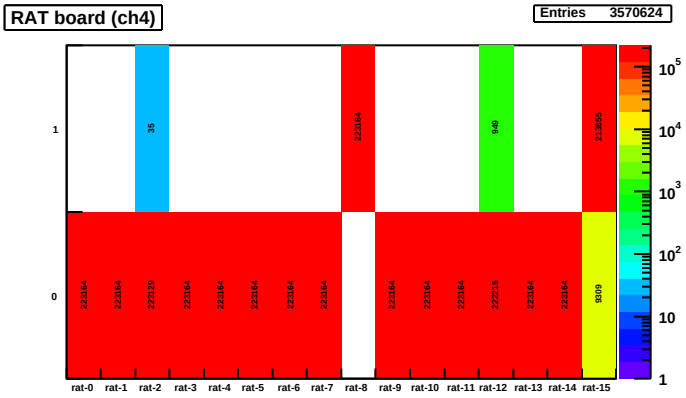

VT201 0-15 (ch1)
Entries 806151
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

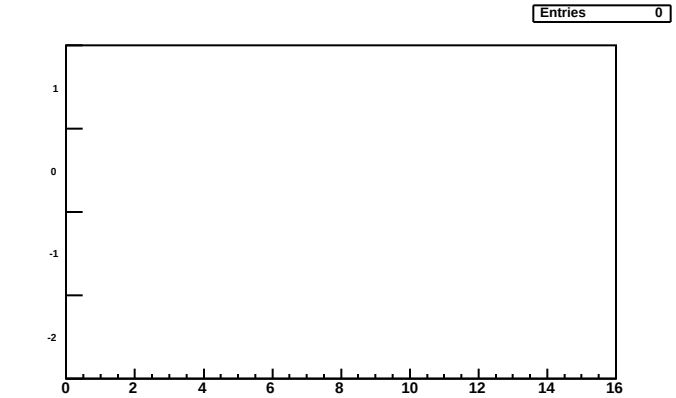

Unused (ch2)
Entries 3570624

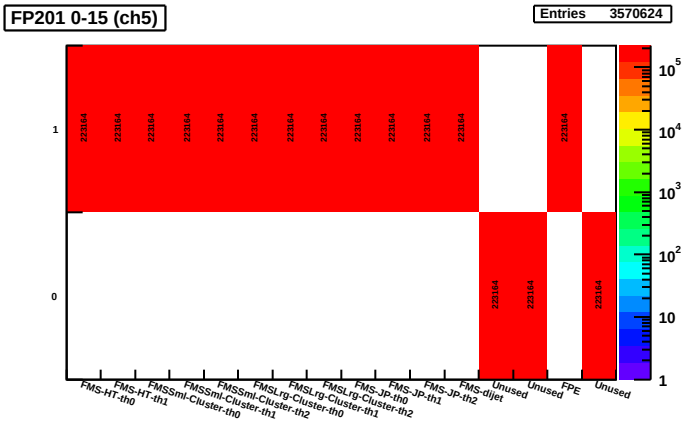

Entries 0

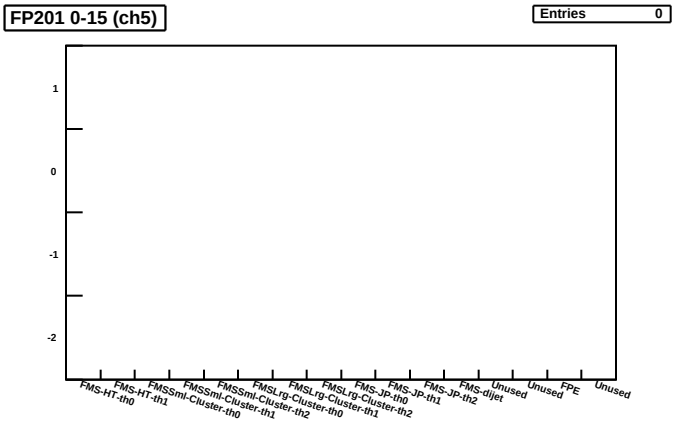

EM201 0-15 (ch3)
Entries 3570624
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

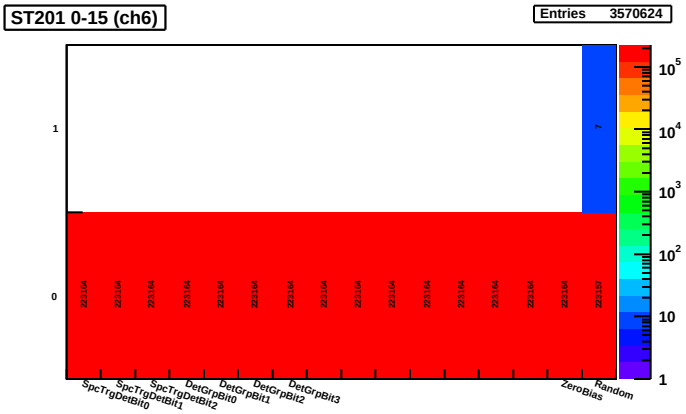

EM201 0-15 (ch3)
Entries 2433
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

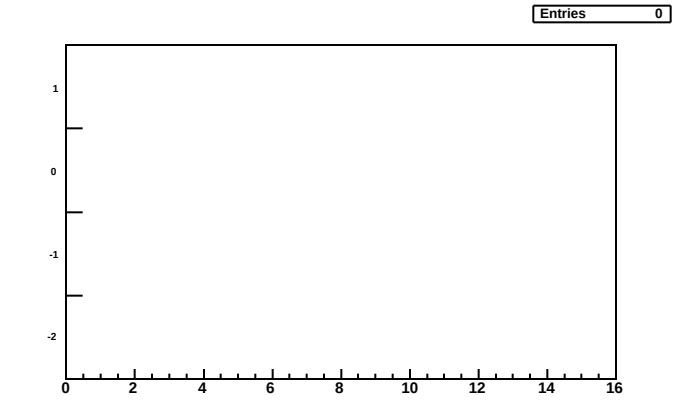

RAT board (ch4)
Entries 3570624
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

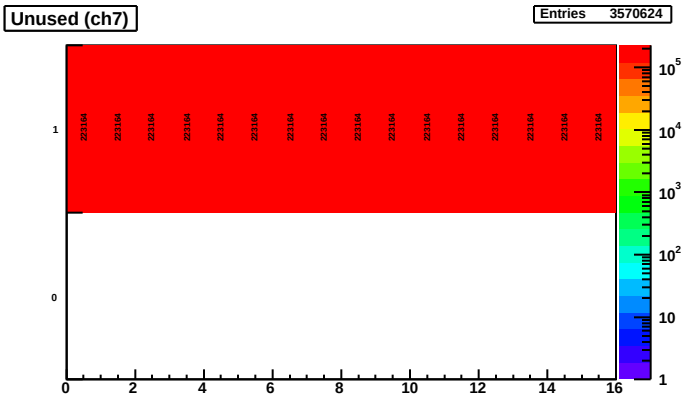

Entries 0

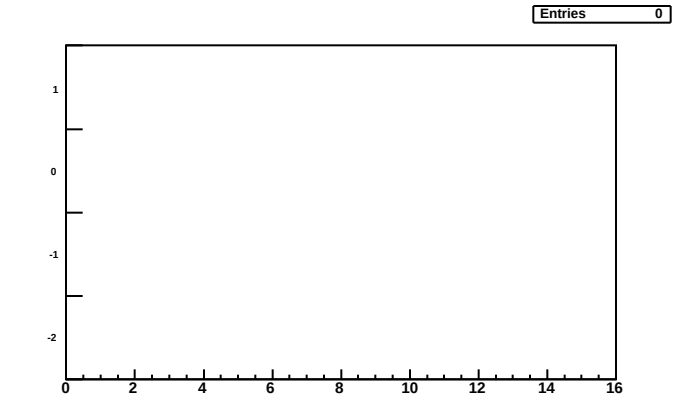

FP201 0-15 (ch5)
Entries 3570624
FMS-HT-th0 FMS-HT-th1 FMSSml-Cluster-th0 FMSSml-Cluster-th1 FMSSml-Cluster-th2 FMSLrg-Cluster-th0 FMSLrg-Cluster-th1 FMSLrg-Cluster-th2 FMS-JP-th0 FMS-JP-th1 FMS-JP-th2 FMS-diJet Unused Unused FPE Unused


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 3570624
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetGrpBit0 DetGrpBit1 DetGrpBit2 DetGrpBit3 ZeroBias Random


Entries 0


Unused (ch7)
Entries 3570624


Entries 0