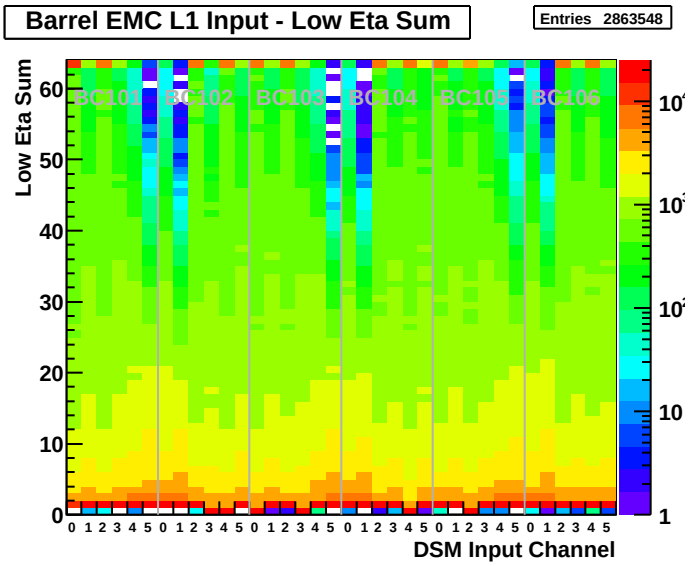
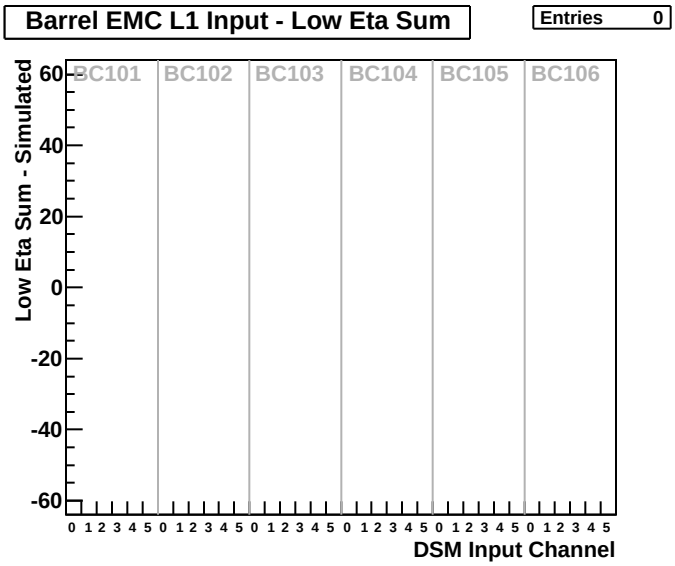
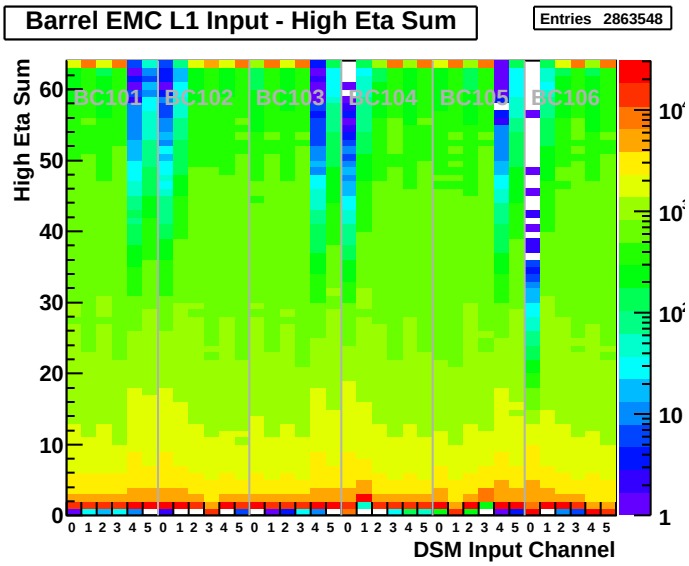
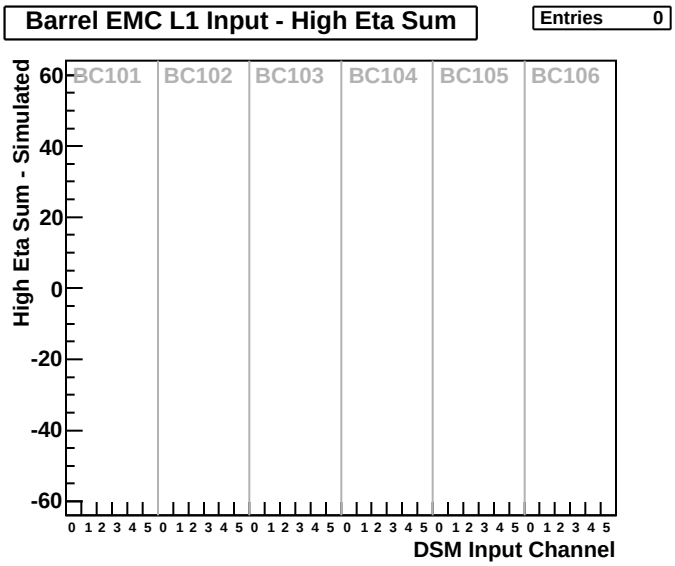
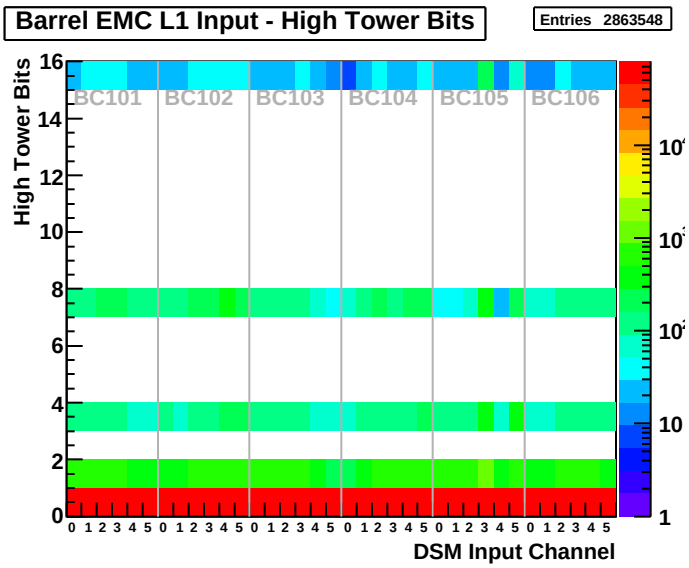
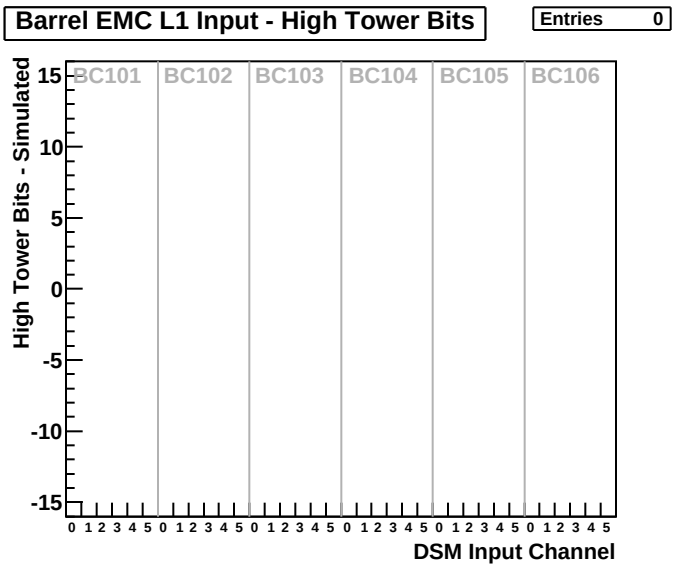

Barrel EMC L1 Input - Low Eta Sum
Entries 2863548
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

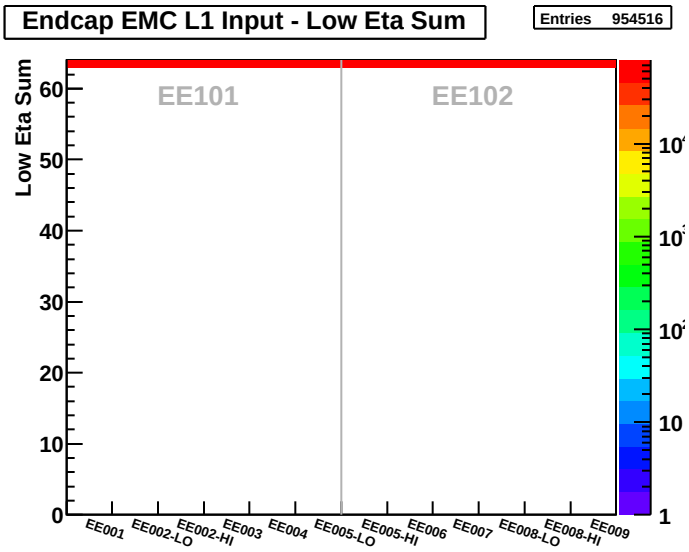

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

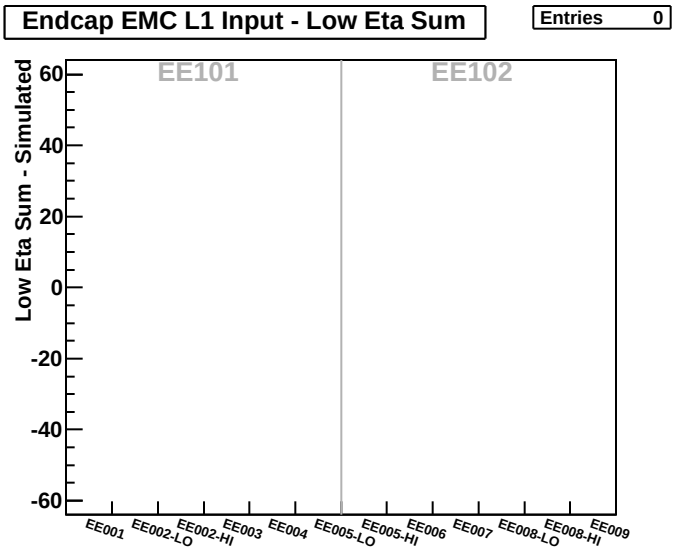

Barrel EMC L1 Input - High Eta Sum
Entries 2863548
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

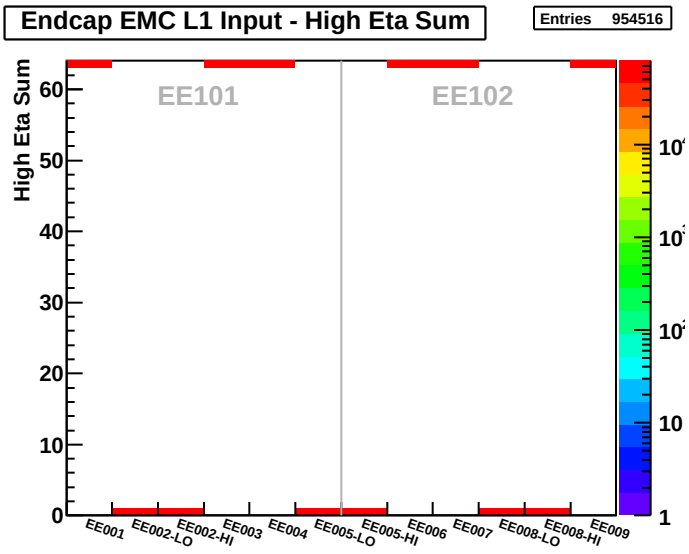

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

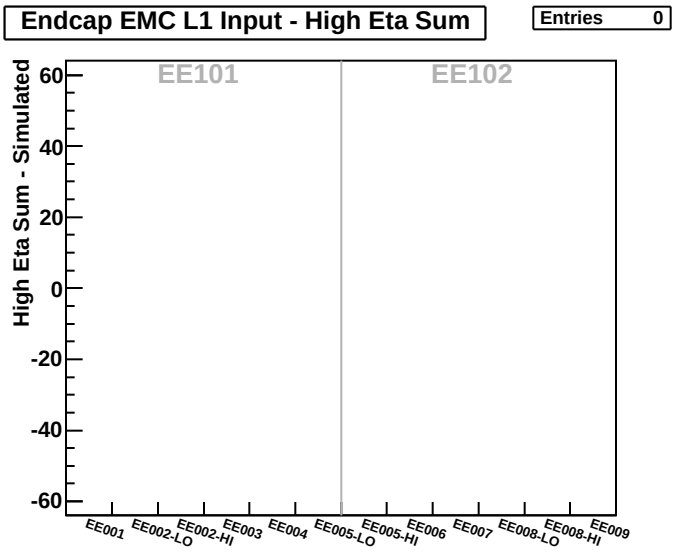

Barrel EMC L1 Input - High Tower Bits
Entries 2863548
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

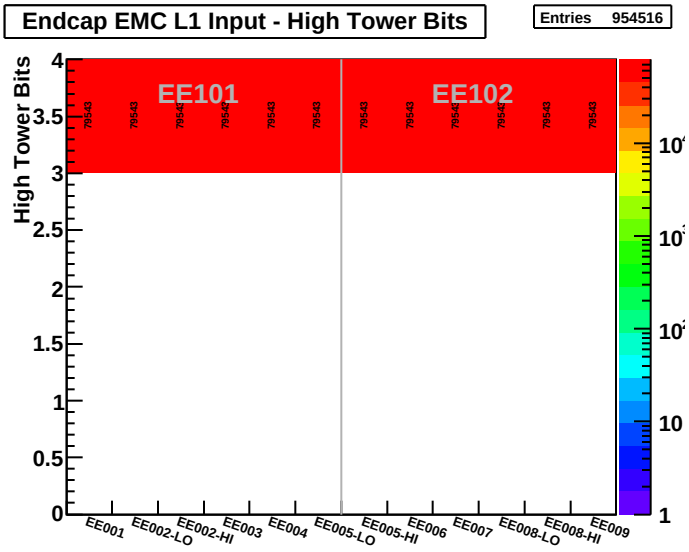

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

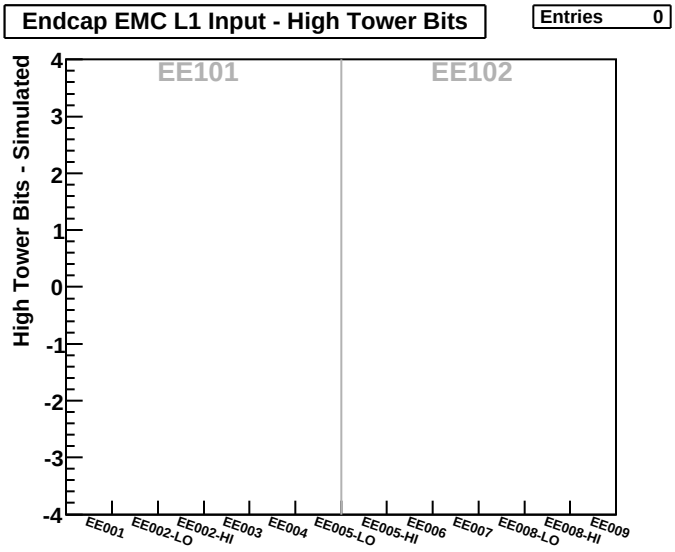

Endcap EMC L1 Input - Low Eta Sum
Entries 954516
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

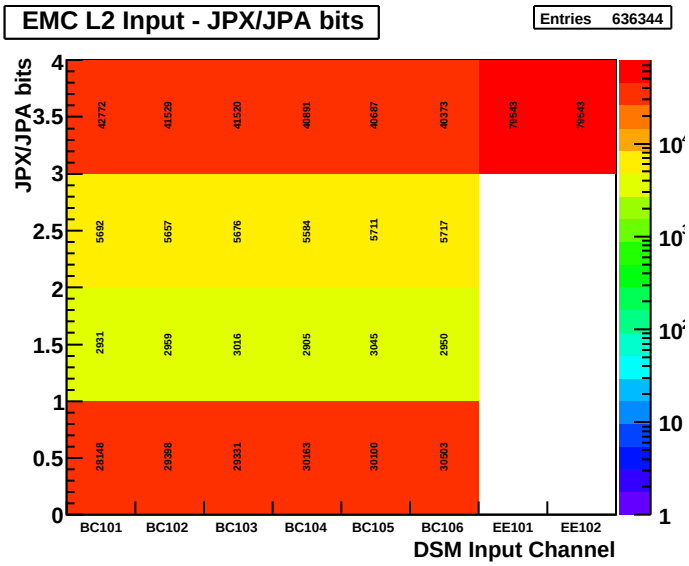

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

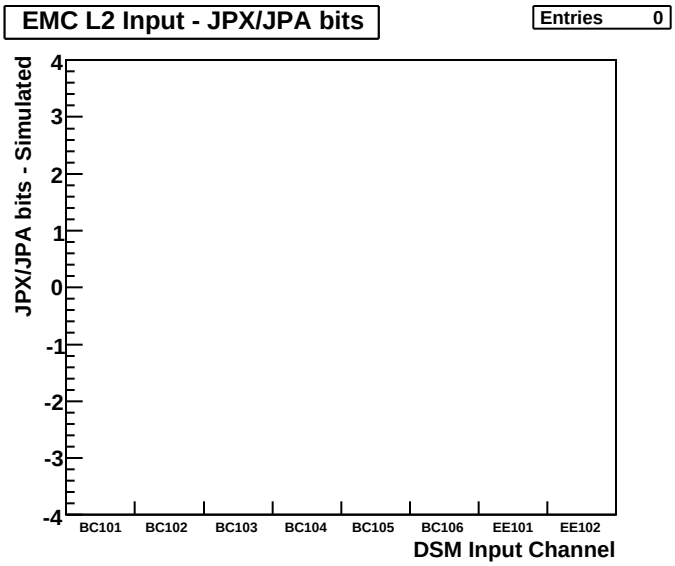

Endcap EMC L1 Input - High Eta Sum
Entries 954516
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

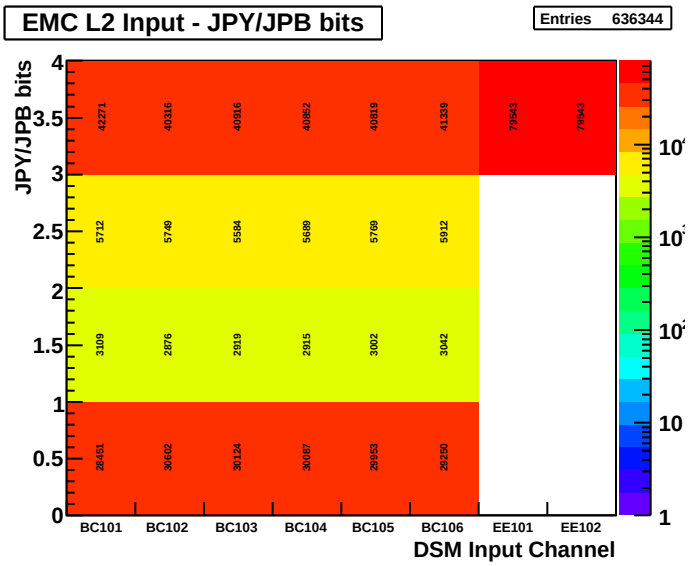

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

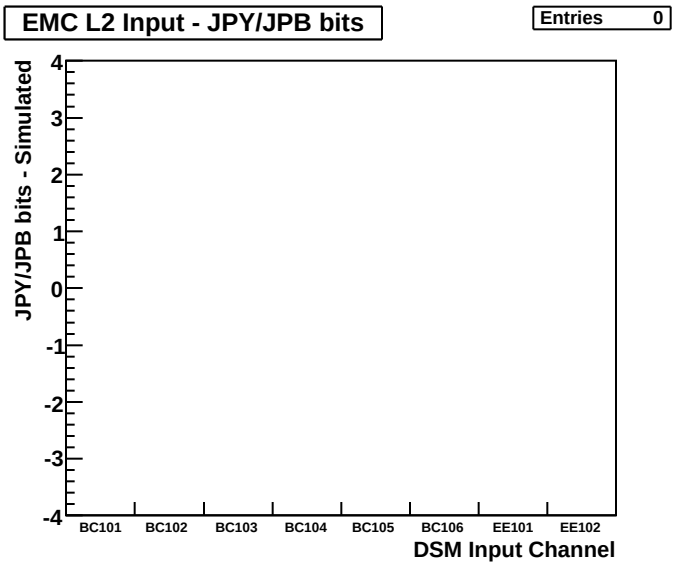

Endcap EMC L1 Input - High Tower Bits
Entries 954516
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

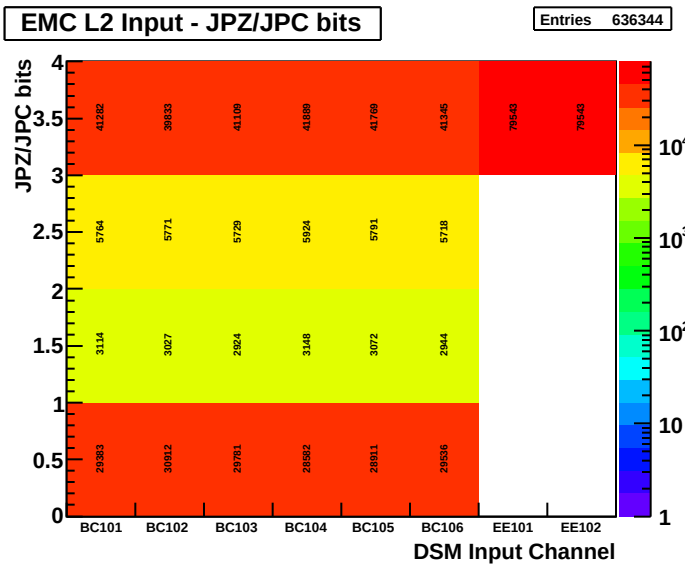

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

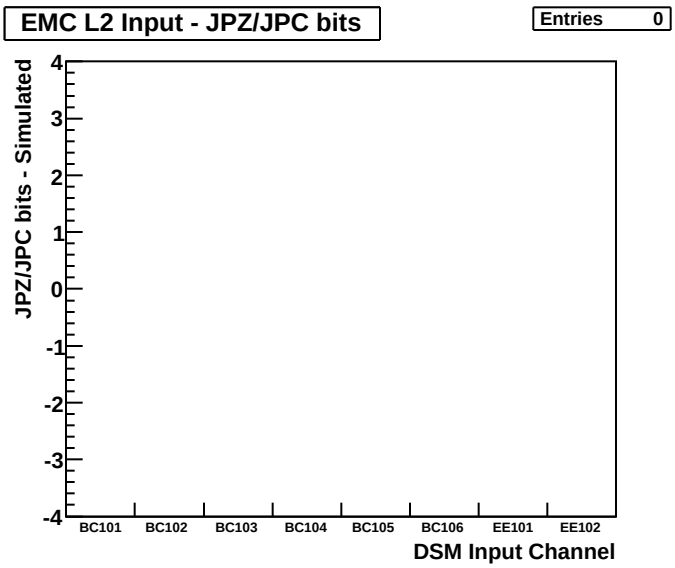

EMC L2 Input - JPX/JPA bits
Entries 636344
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
42772 41529 41520 40891 40687 40373 79543 79543
5692 5657 5676 5584 5711 5717
2931 2959 3016 2905 3045 2950
28148 29398 29331 30163 30100 30503

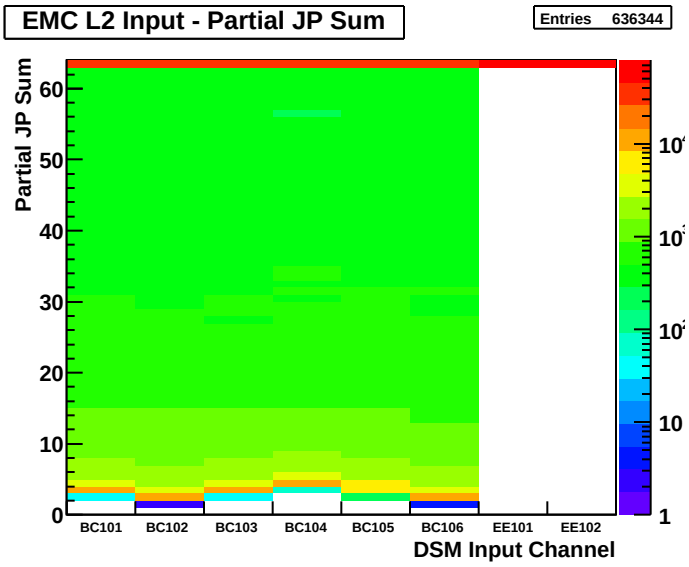

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

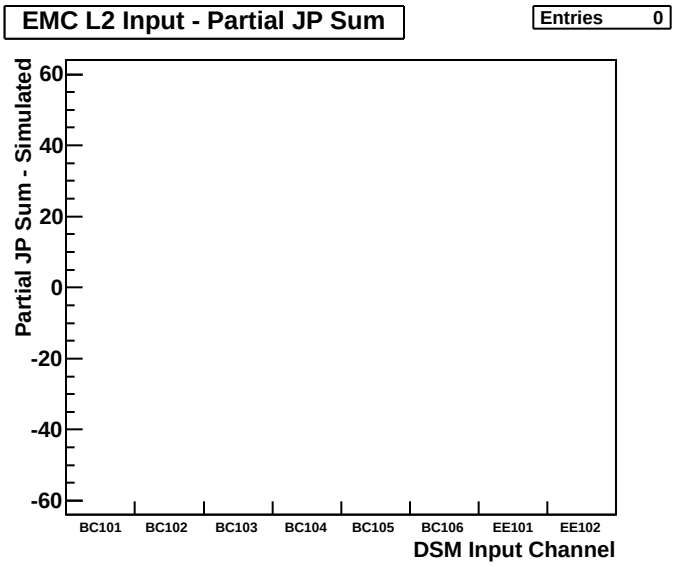

EMC L2 Input - JPY/JPB bits
Entries 636344
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
42271 40316 40916 40852 40819 41339 79543 79543
5712 5749 5584 5689 5769 5912
3109 2876 2919 2915 3002 3042
28451 30602 30124 30087 29953 29250

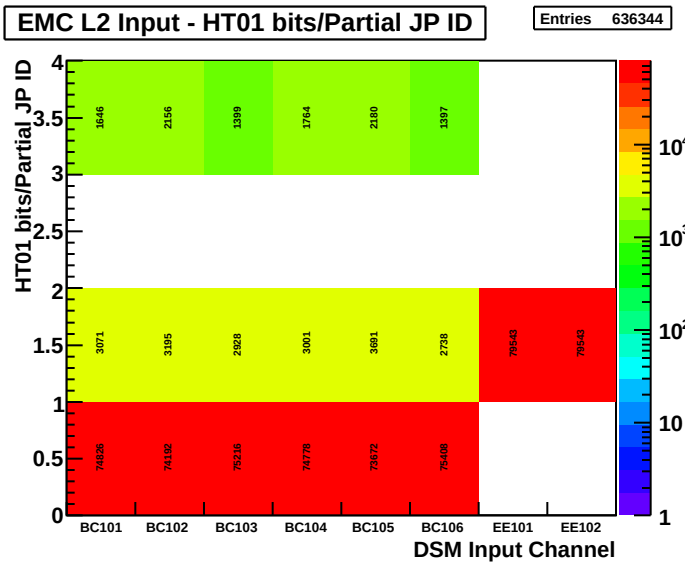

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

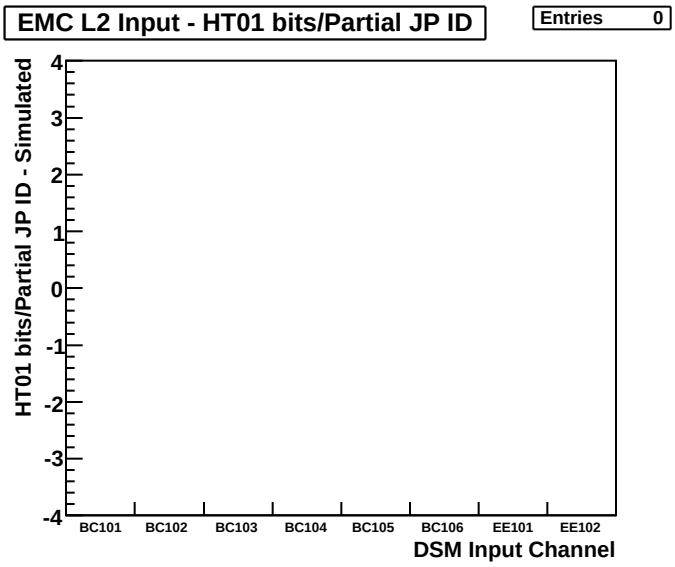

EMC L2 Input - JPZ/JPC bits
Entries 636344
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
41282 39833 41109 41889 41769 41345 79543 79543
5764 5771 5729 5924 5791 5718
3114 3027 2924 3148 3072 2944
29383 30812 29781 28582 28911 29536

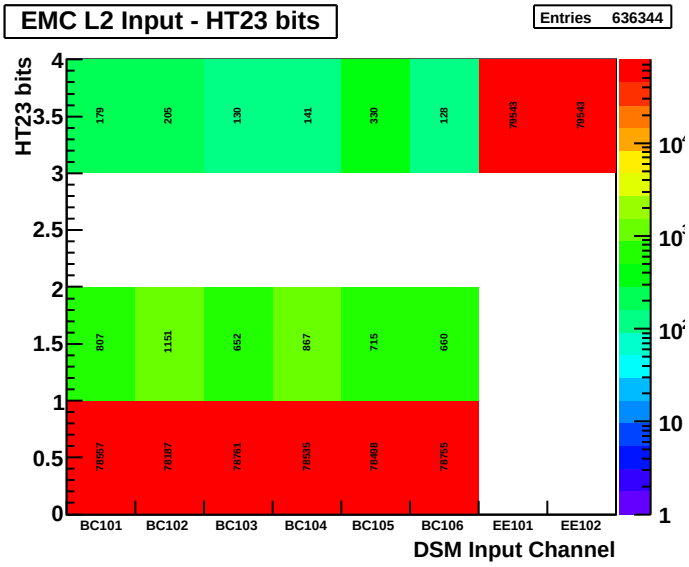

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

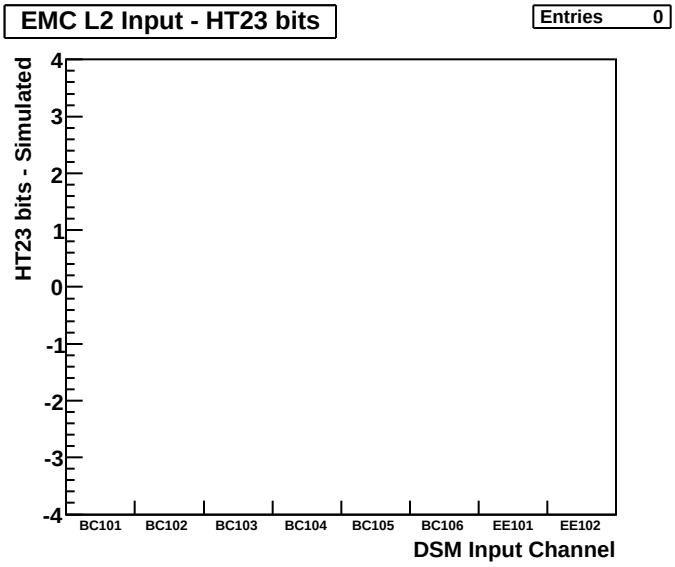

EMC L2 Input - Partial JP Sum
Entries 636344
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

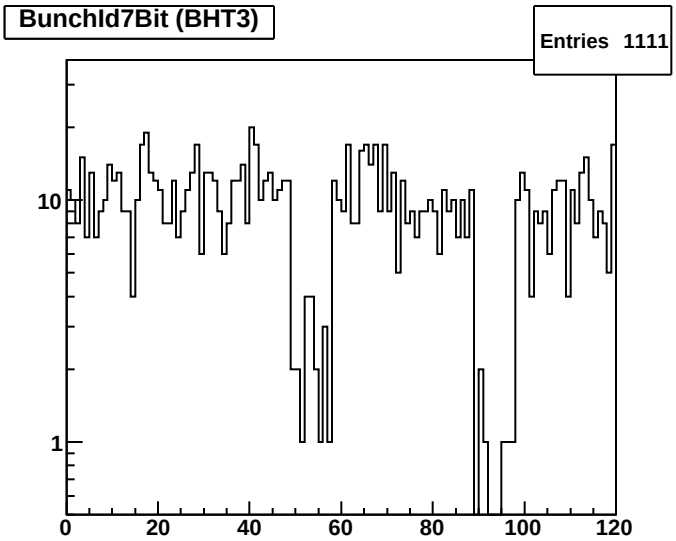

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

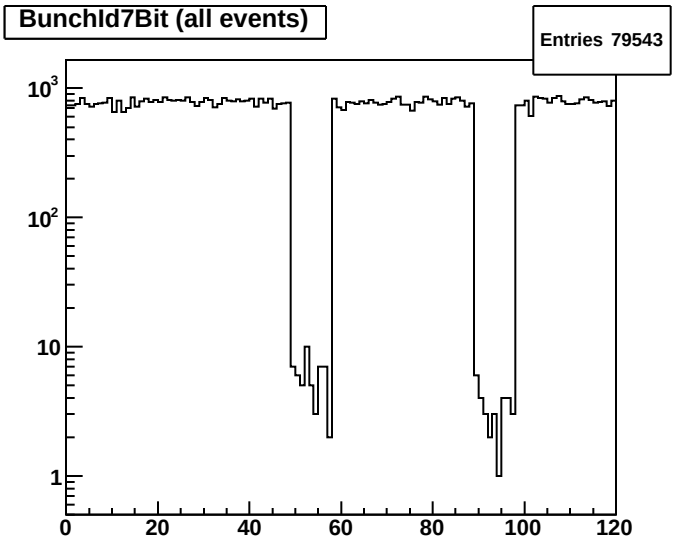

EMC L2 Input - HT01 bits/Partial JP ID
Entries 636344
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

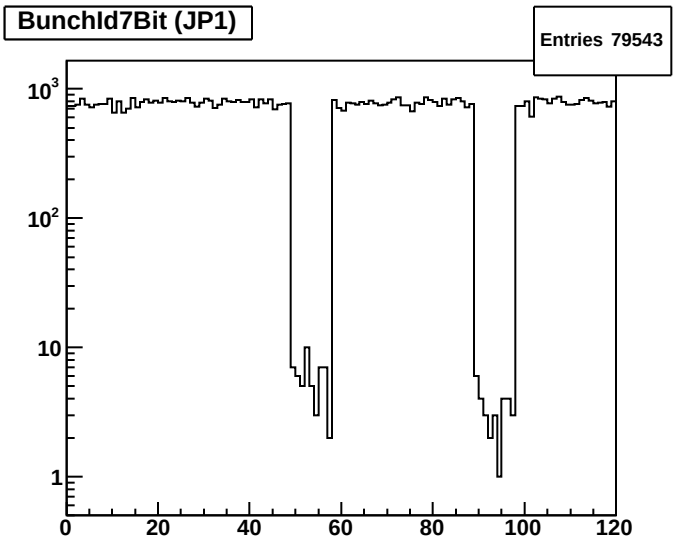

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

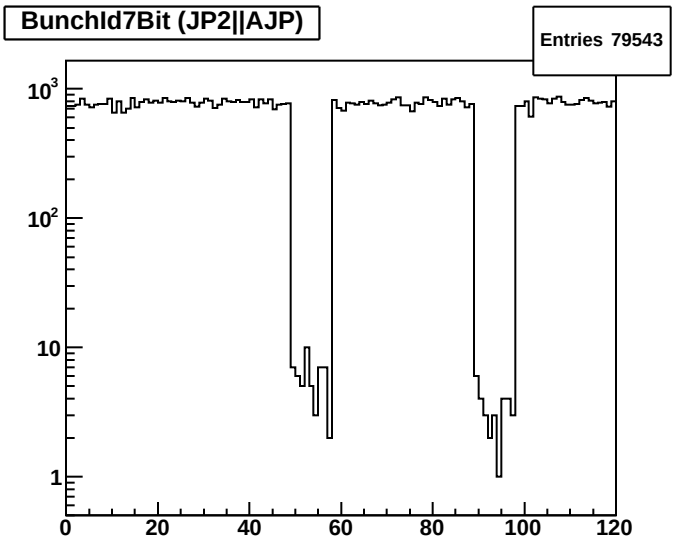

EMC L2 Input - HT23 bits
Entries 636344
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

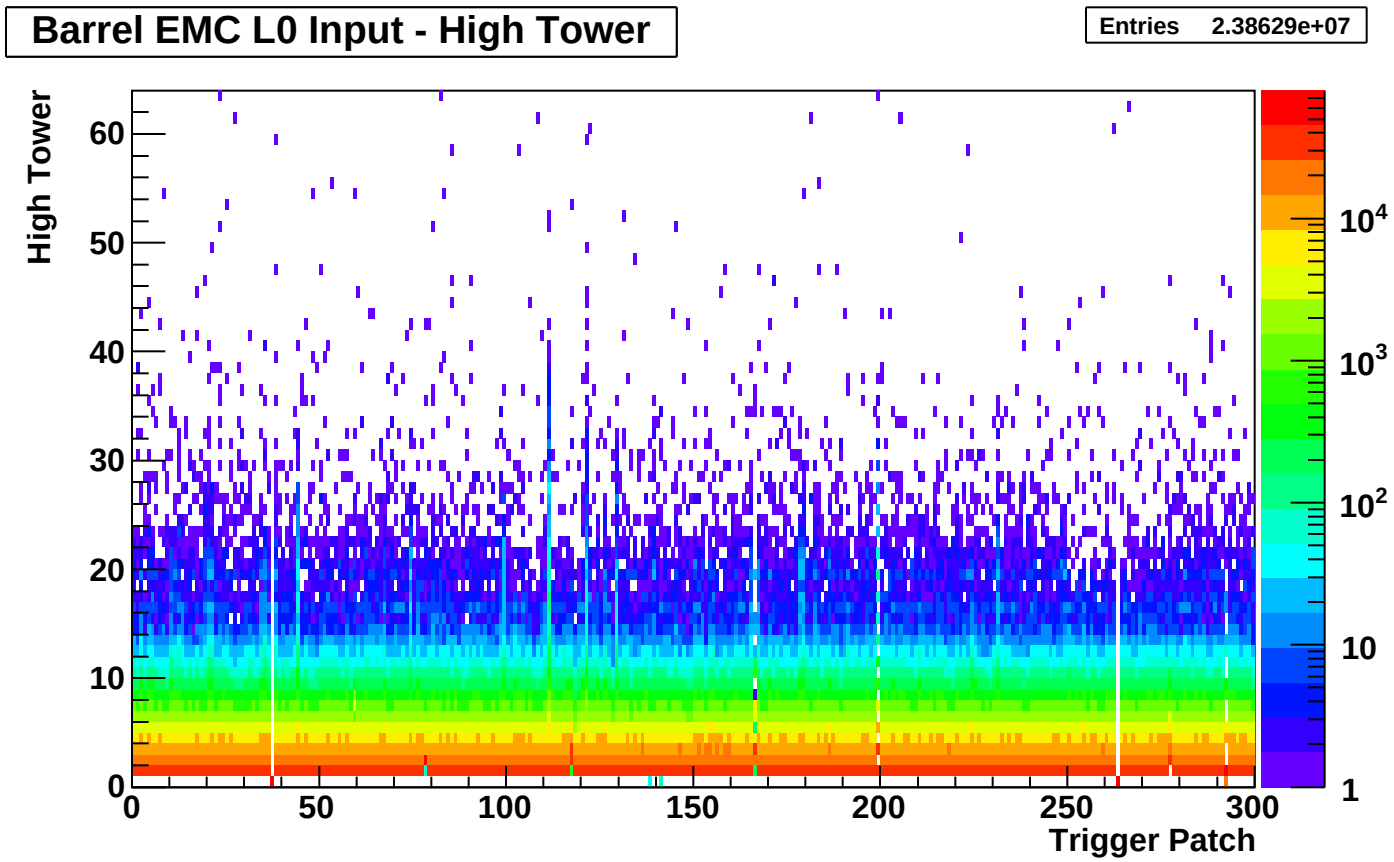

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

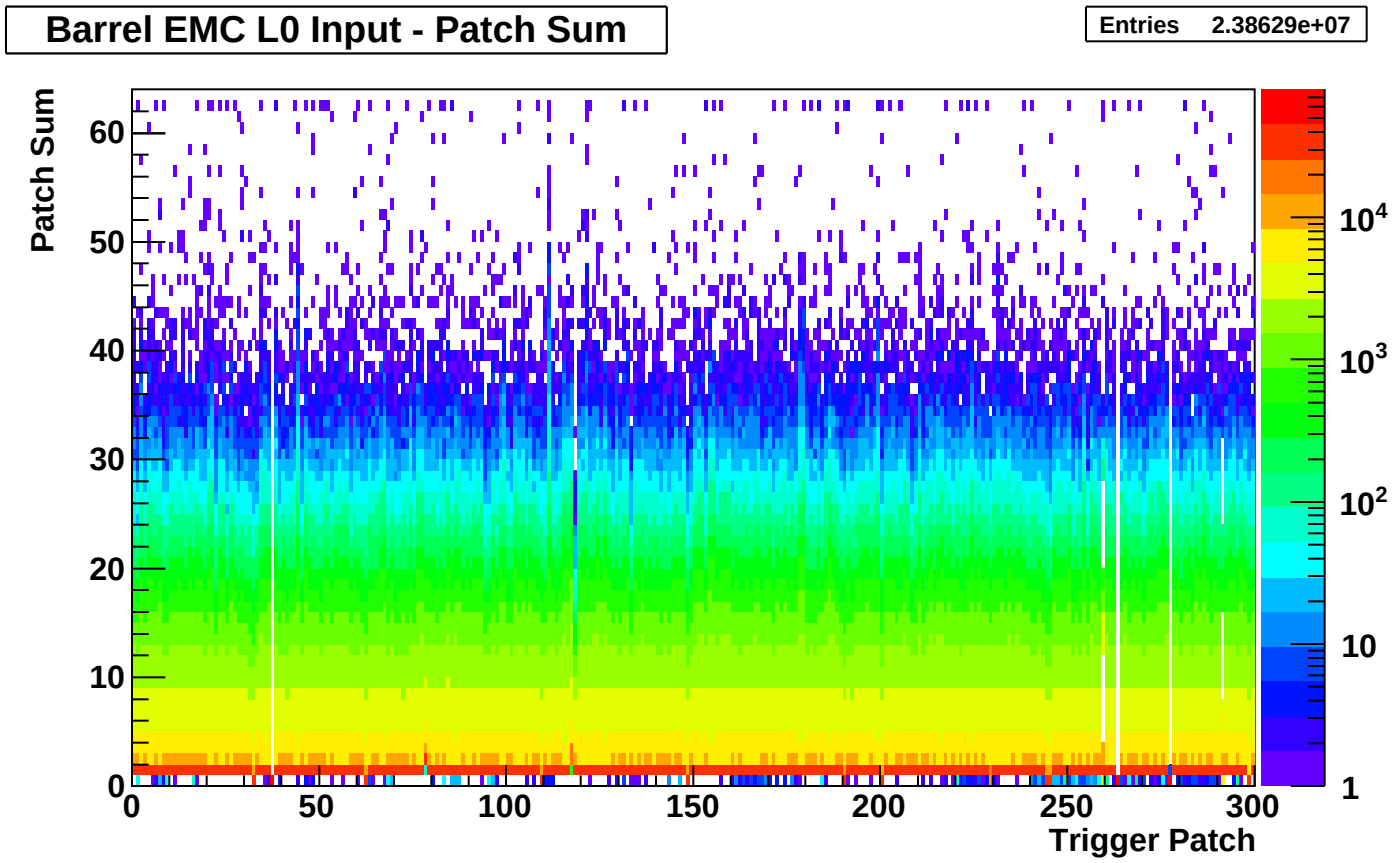

BunchId7Bit (BHT3)
Entries 1111
10
1
0
20
40
60
80
100
120

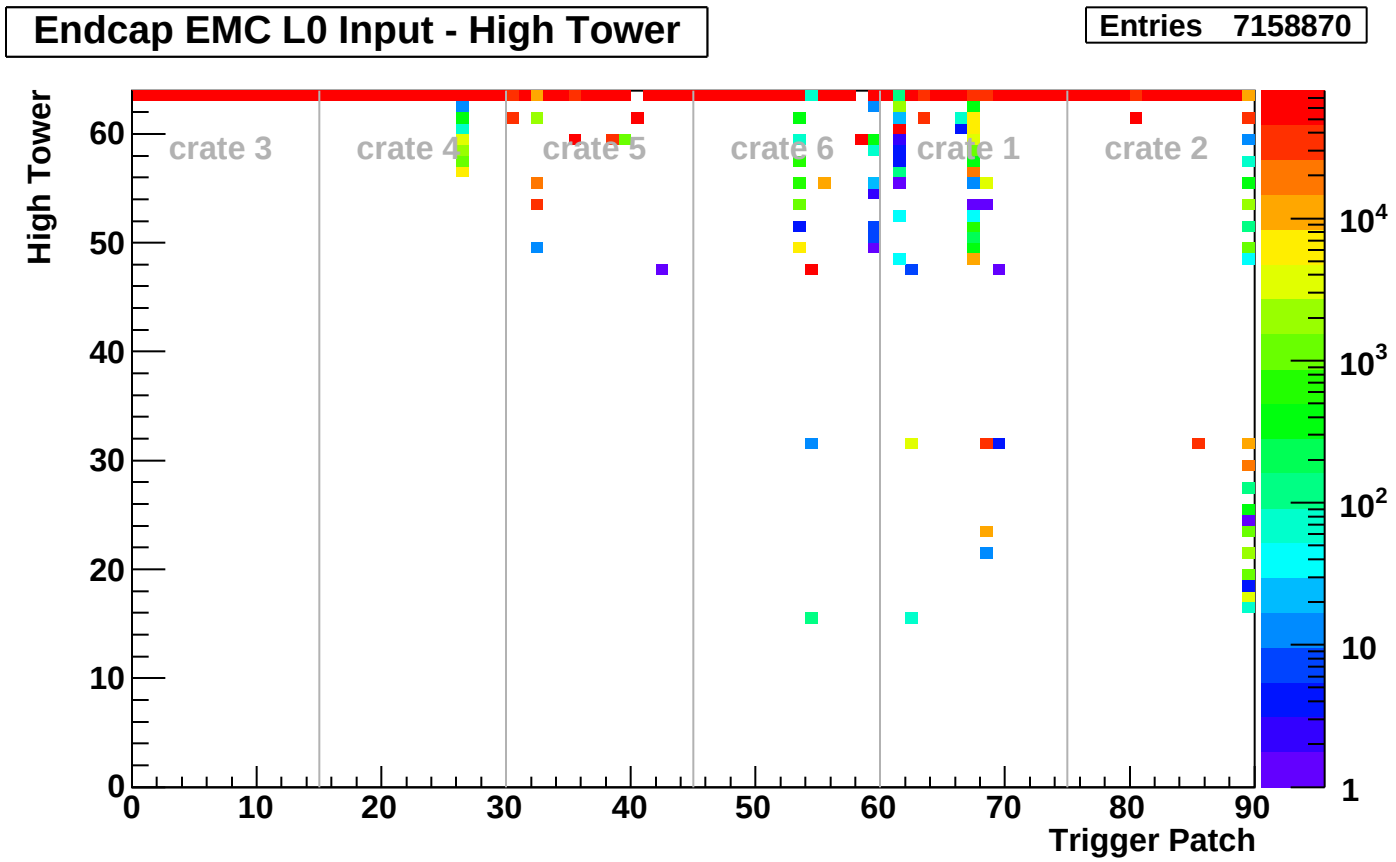

BunchId7Bit (all events)
Entries 79543
10^3
10^2
10
1
0
20
40
60
80
100
120

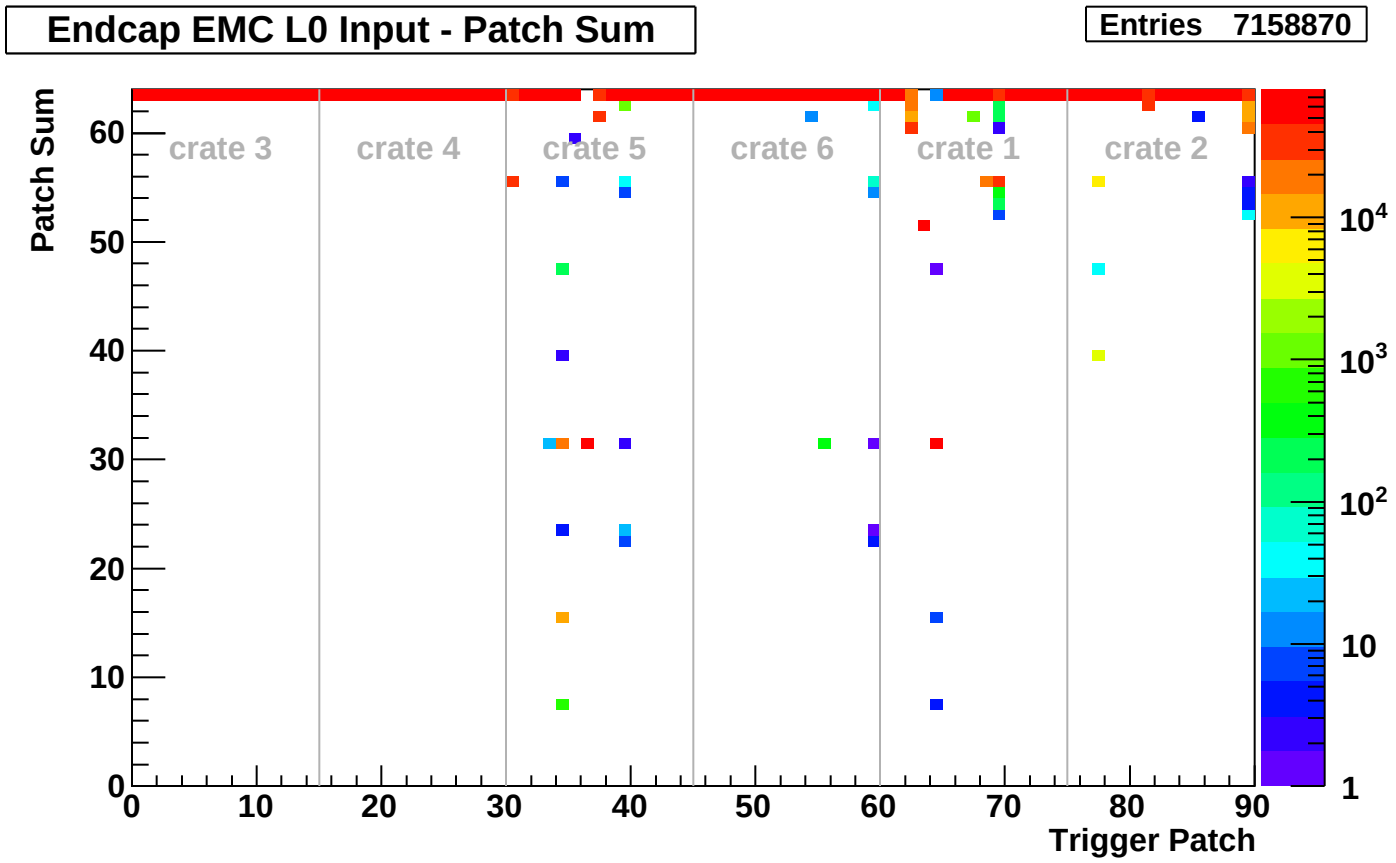

BunchId7Bit (JP1)
Entries 79543
10^3
10^2
10
1
0
20
40
60
80
100
120

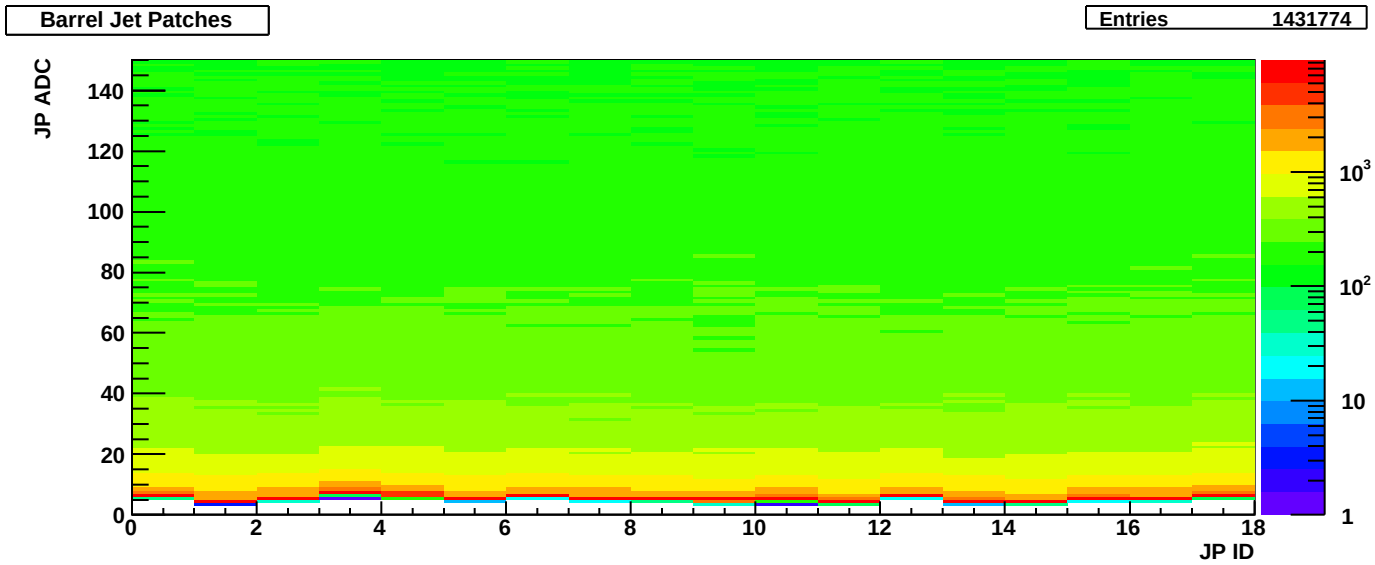

BunchId7Bit (JP2||AJP)
Entries 79543
10^3
10^2
10
1
0
20
40
60
80
100
120

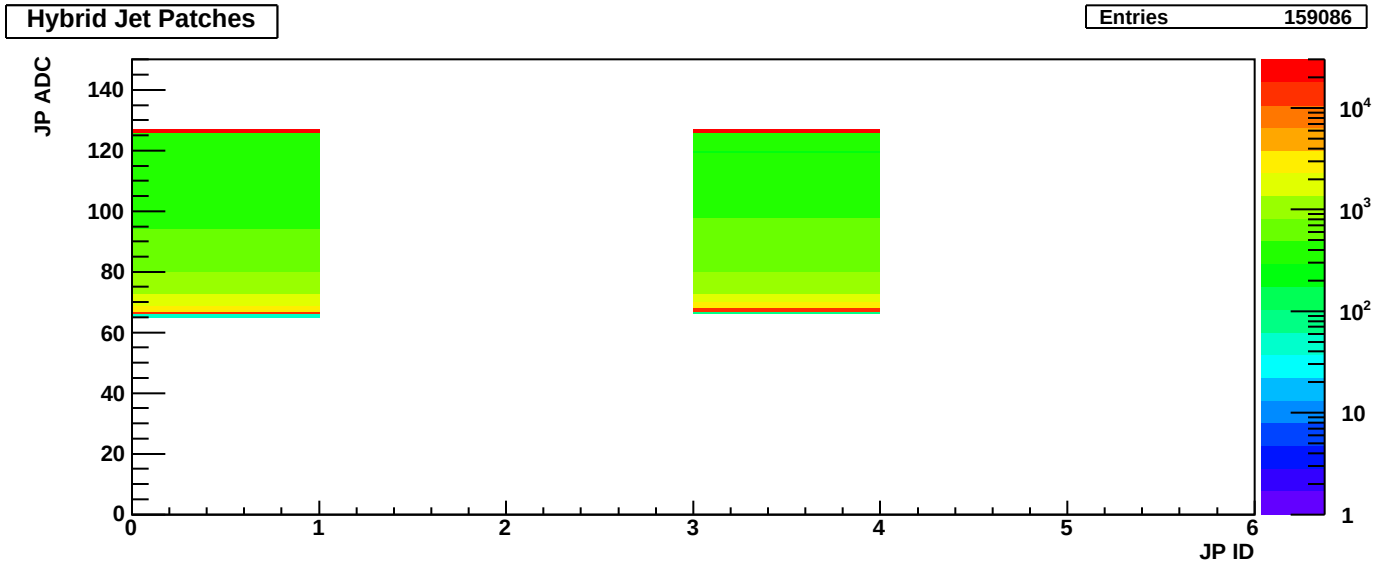

Barrel EMC L0 Input - High Tower
Entries 2.38629e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

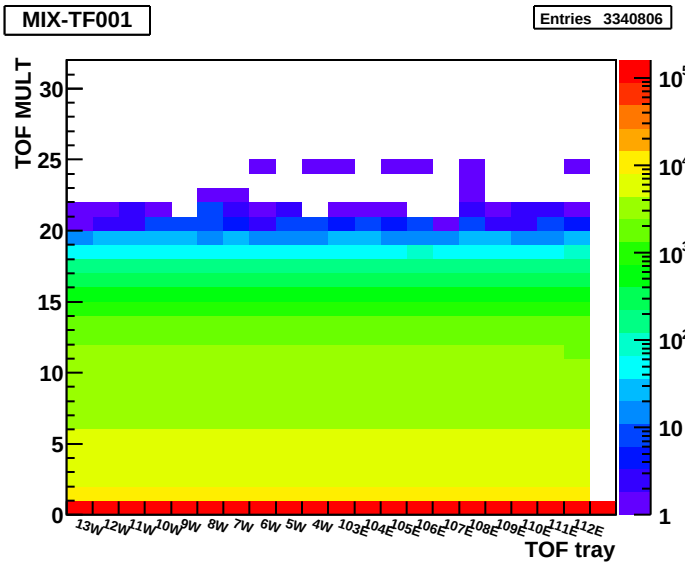

Barrel EMC L0 Input - Patch Sum
Entries 2.38629e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

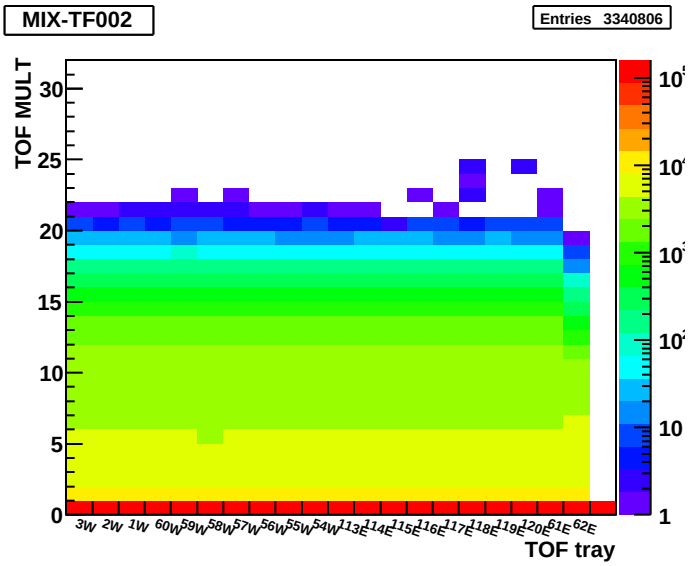

Endcap EMC L0 Input - High Tower
Entries 7158870
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

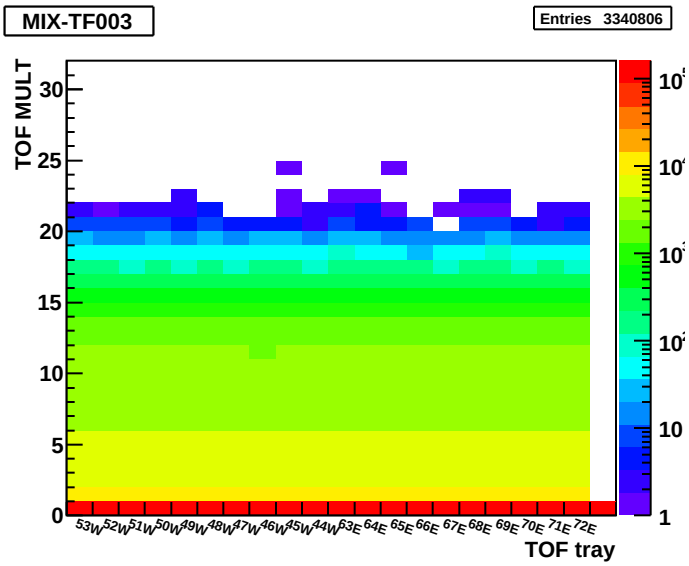

Endcap EMC L0 Input - Patch Sum
Entries 7158870
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

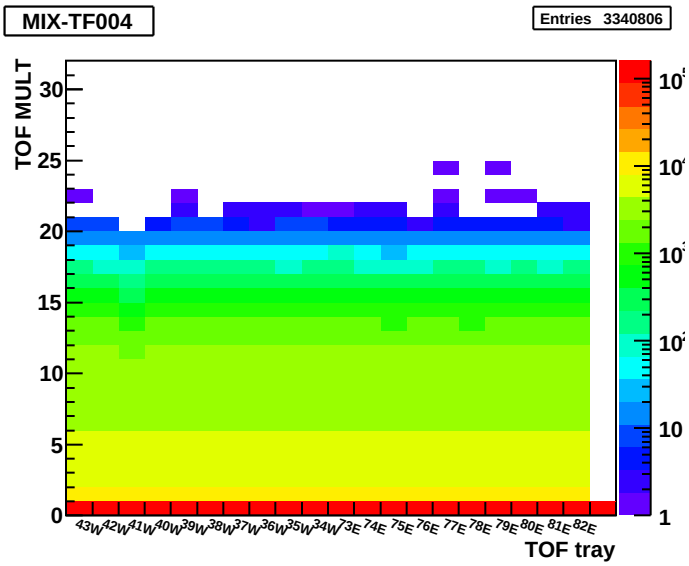

Barrel Jet Patches
Entries 1431774
JP ADC
JP ID

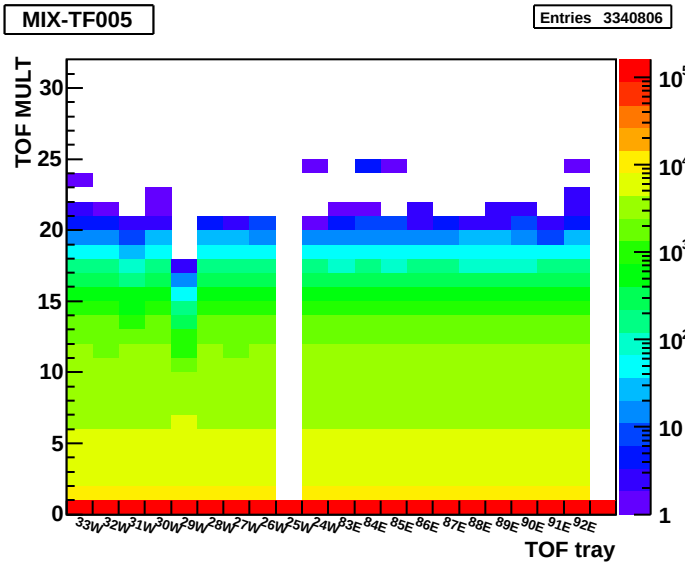

Hybrid Jet Patches
Entries 159086
JP ADC
JP ID

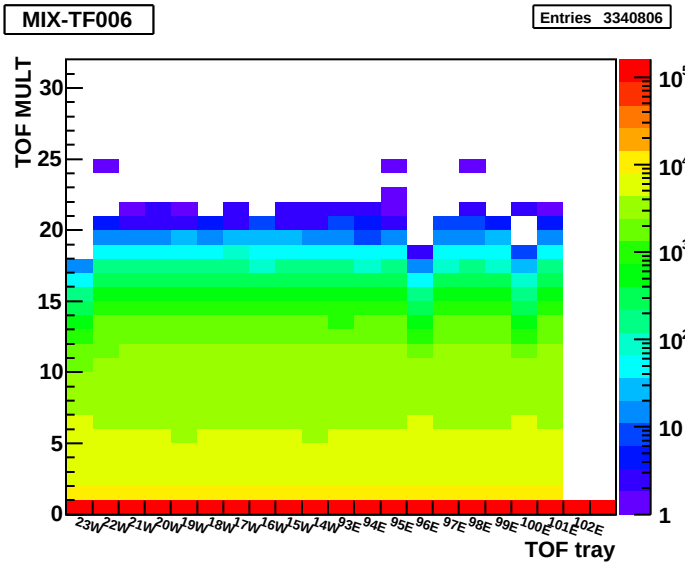

MIX-TF001
Entries 3340806
TOF MULT
TOF tray

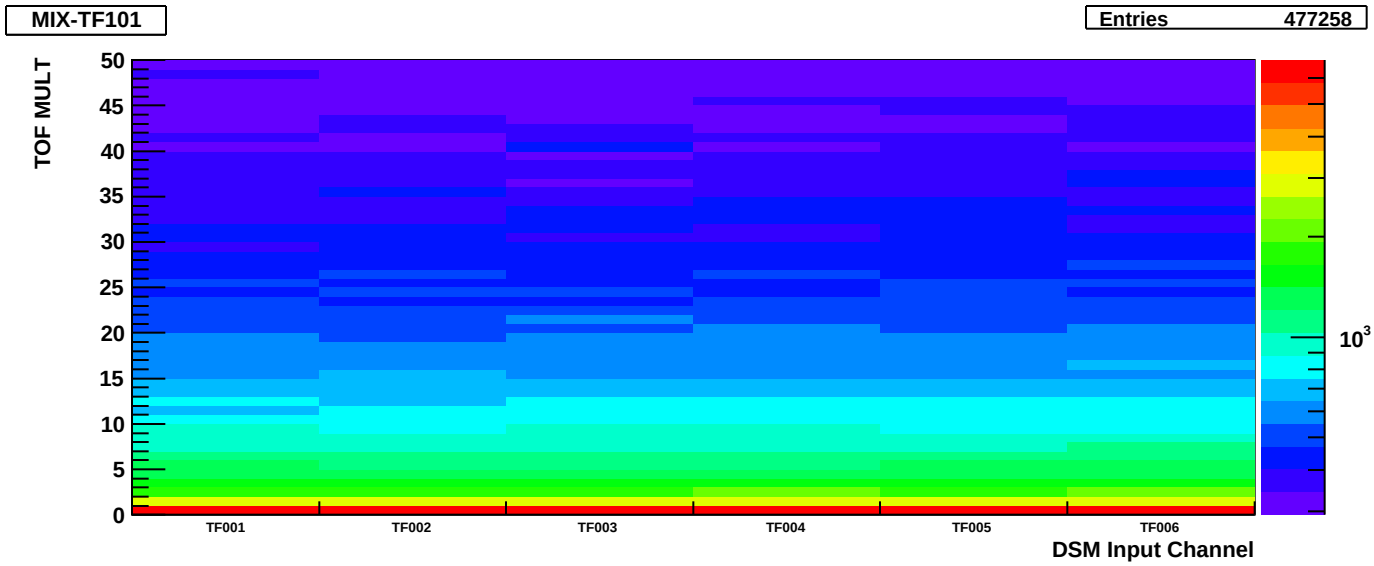

MIX-TF002
Entries 3340806
TOF MULT
TOF tray

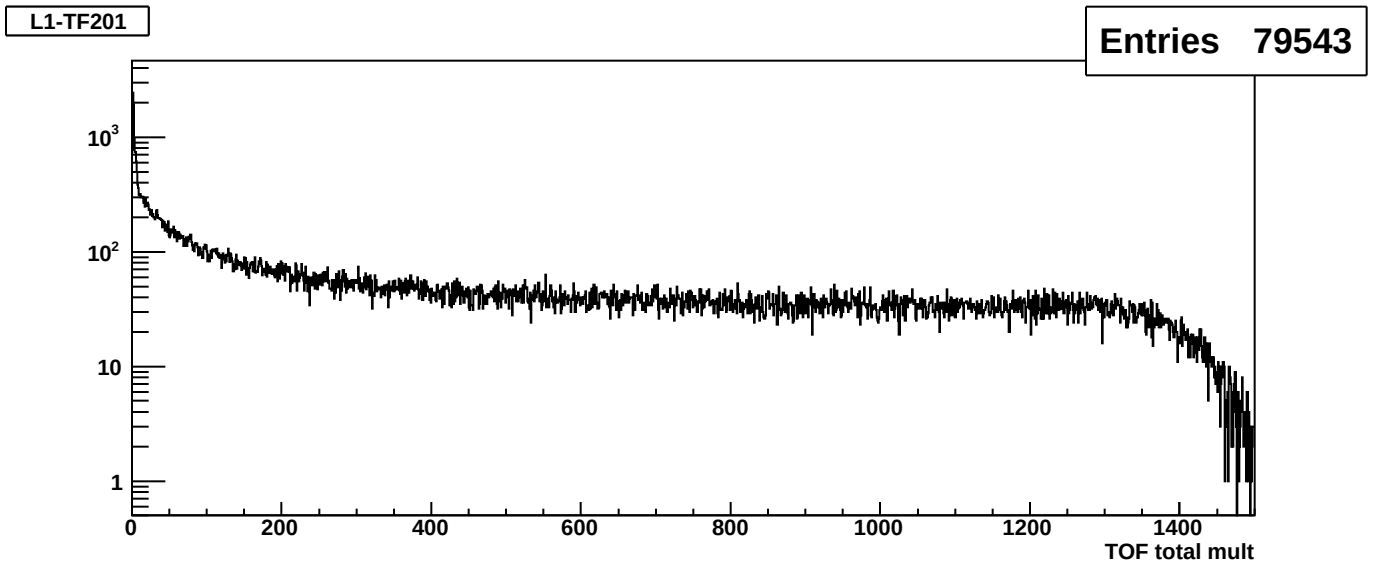

MIX-TF003
Entries 3340806
TOF MULT
TOF tray

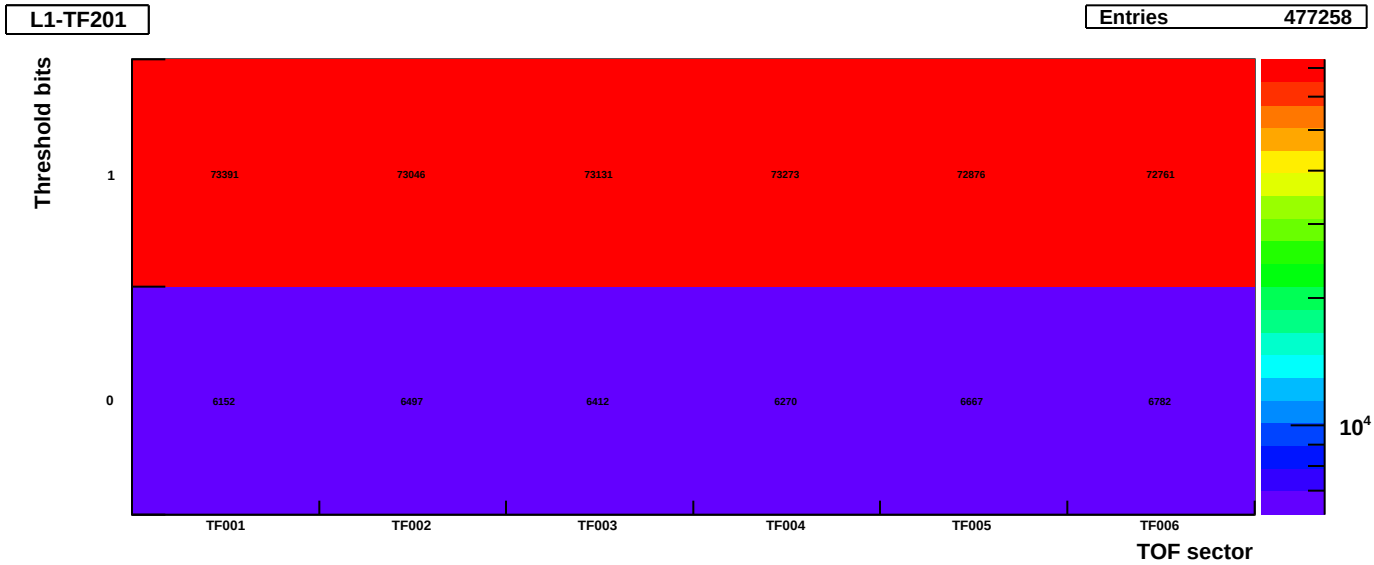

MIX-TF004
Entries 3340806
TOF MULT
TOF tray

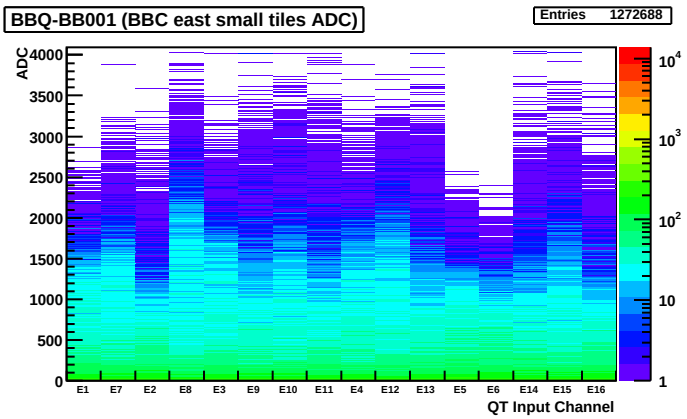

MIX-TF005
Entries 3340806
TOF MULT
TOF tray

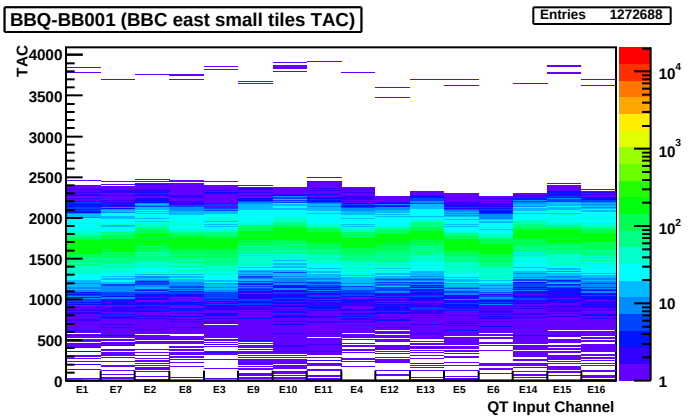

MIX-TF006
Entries 3340806
TOF MULT
TOF tray

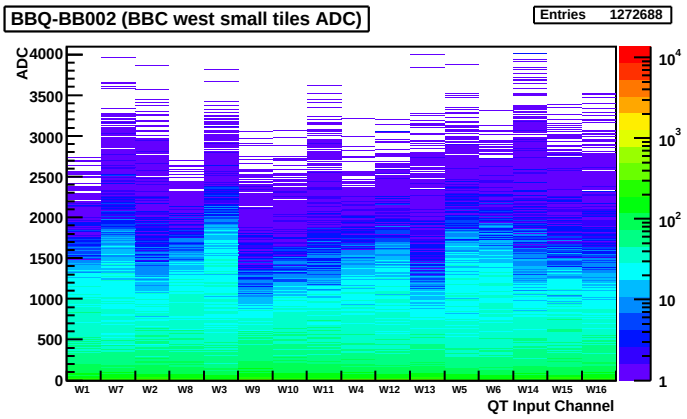

MIX-TF101
Entries 477258
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3

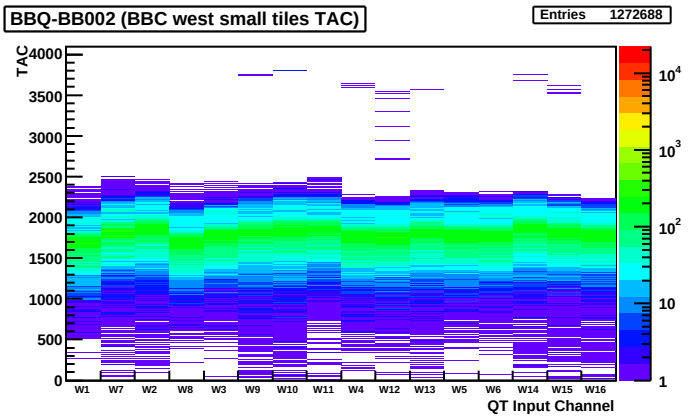

L1-TF201
Entries 79543
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

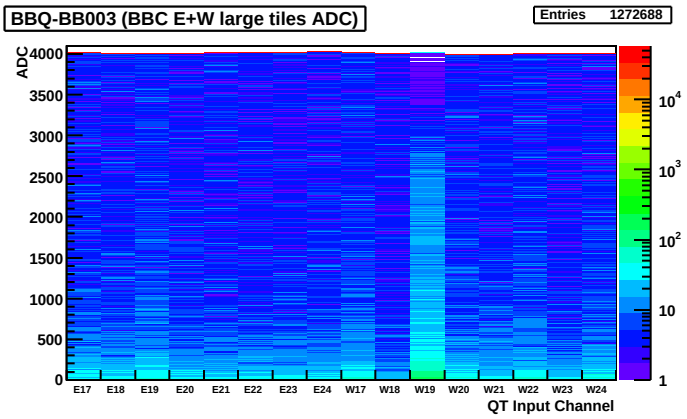

L1-TF201
Entries 477258
Threshold bits
1
0
73391
73046
73131
73273
72876
72761
6152
6497
6412
6270
6667
6782
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4

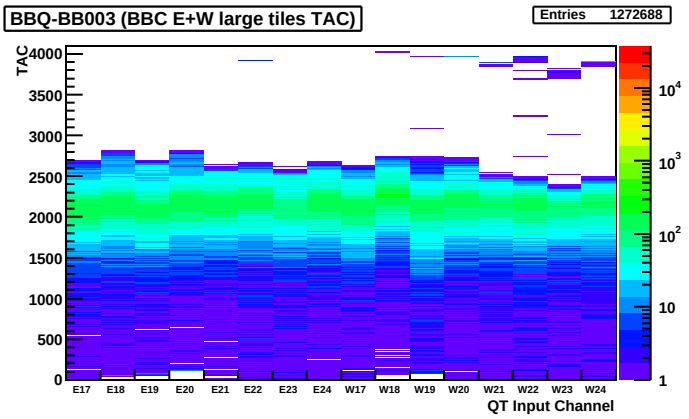

BBQ-BB001 (BBC east small tiles ADC)
Entries 1272688
ADC
QT Input Channel

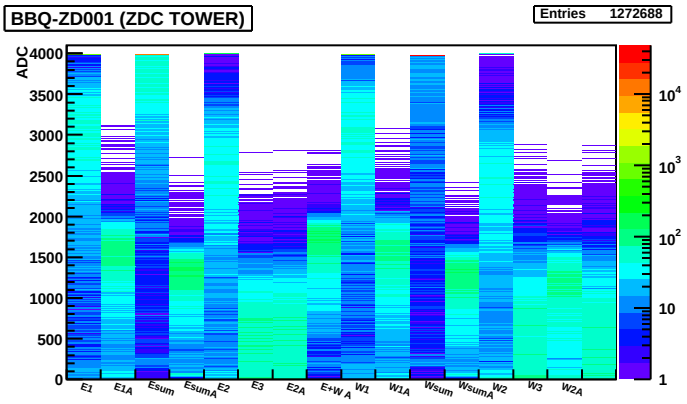

BBQ-BB001 (BBC east small tiles TAC)
Entries 1272688
TAC
QT Input Channel

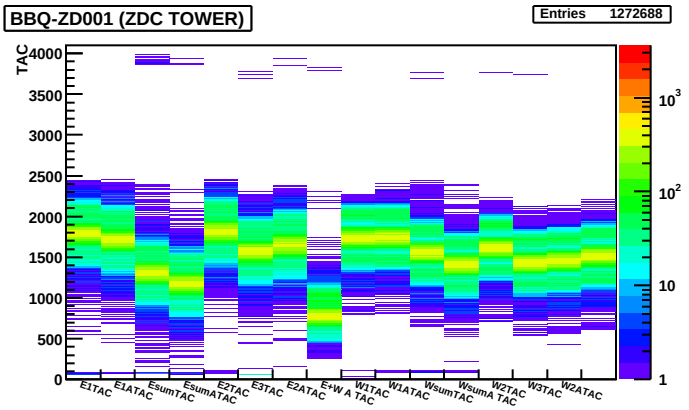

BBQ-BB002 (BBC west small tiles ADC)
Entries 1272688
ADC
QT Input Channel

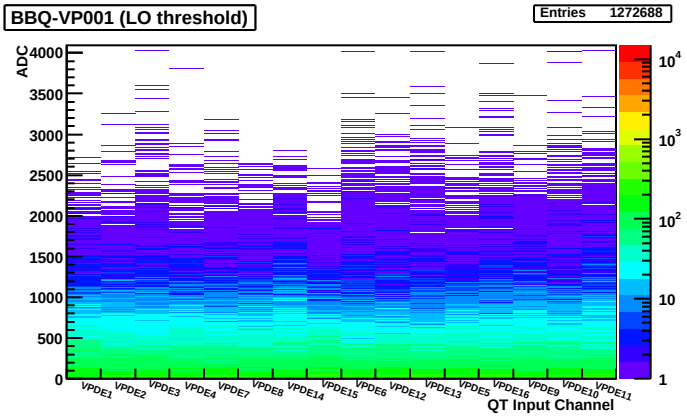

BBQ-BB002 (BBC west small tiles TAC)
Entries 1272688
TAC
QT Input Channel

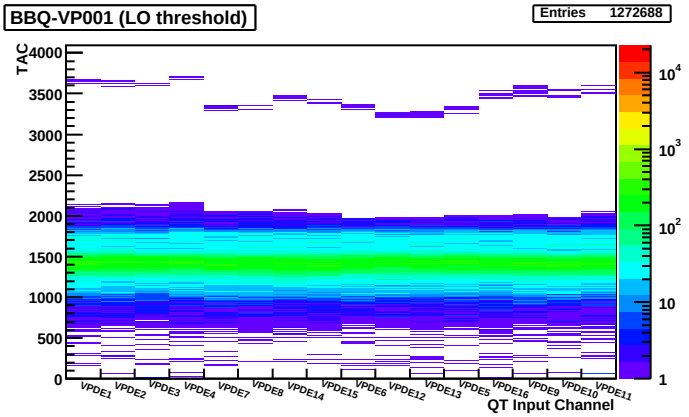

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1272688
ADC
QT Input Channel

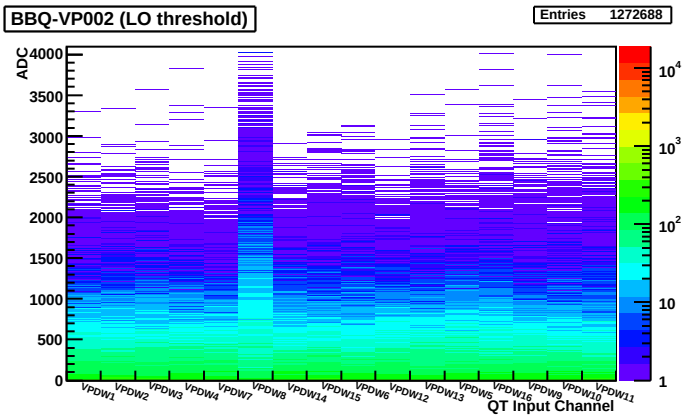

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1272688
TAC
QT Input Channel

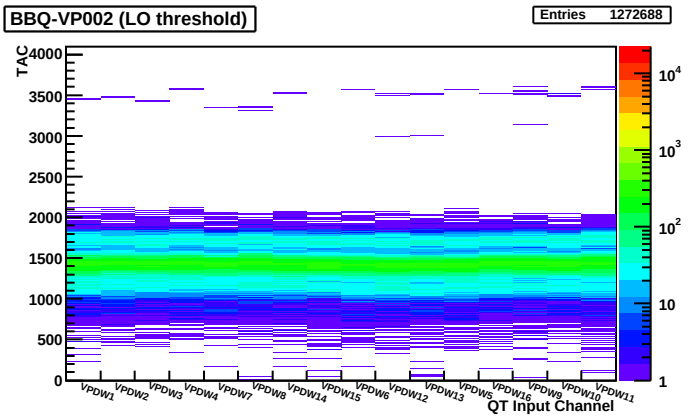

BBQ-ZD001 (ZDC TOWER)
Entries 1272688
ADC

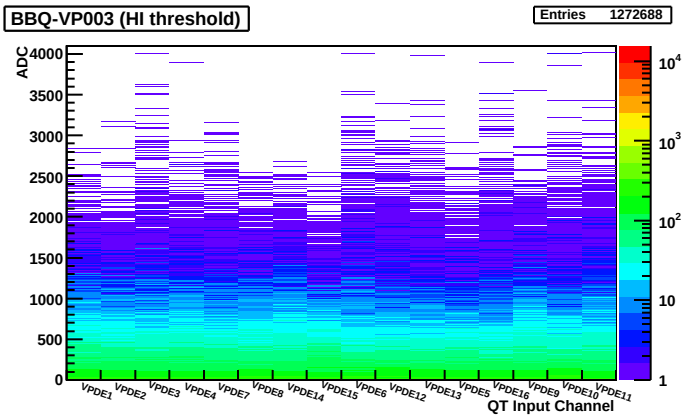

BBQ-ZD001 (ZDC TOWER)
Entries 1272688
TAC

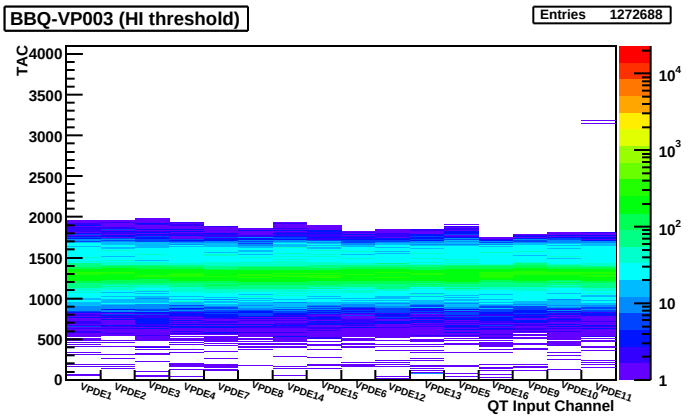

BBQ-VP001 (LO threshold)
Entries 1272688
ADC
QT Input Channel

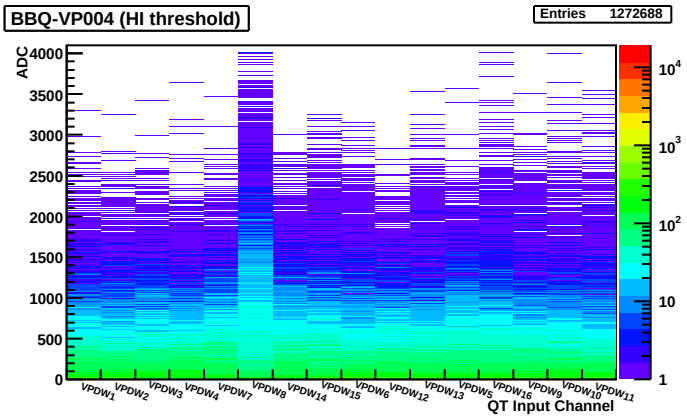

BBQ-VP001 (LO threshold)
Entries 1272688
TAC
QT Input Channel

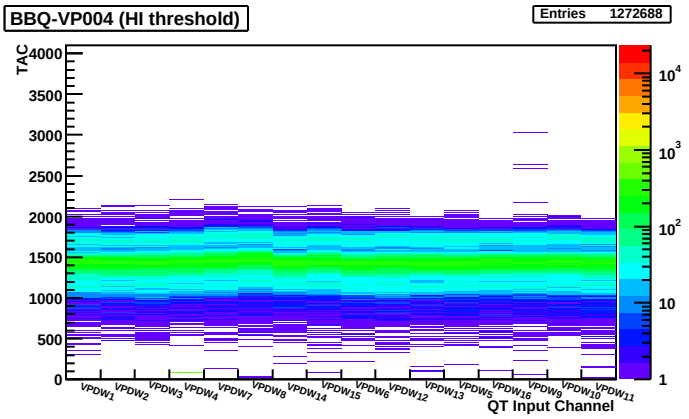

BBQ-VP002 (LO threshold)
Entries 1272688
ADC
QT Input Channel

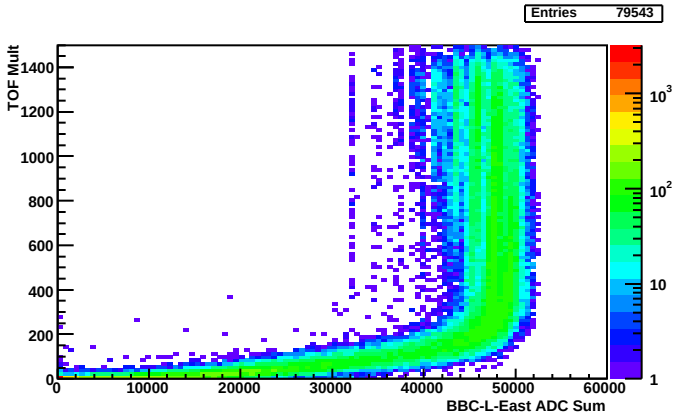

BBQ-VP002 (LO threshold)
Entries 1272688
TAC
QT Input Channel

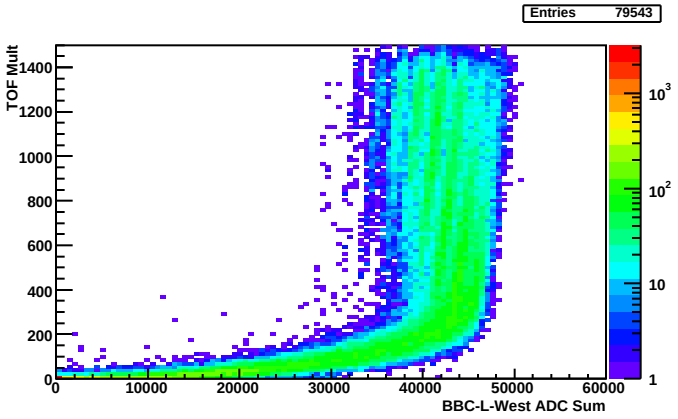

BBQ-VP003 (HI threshold)
Entries 1272688
ADC
QT Input Channel

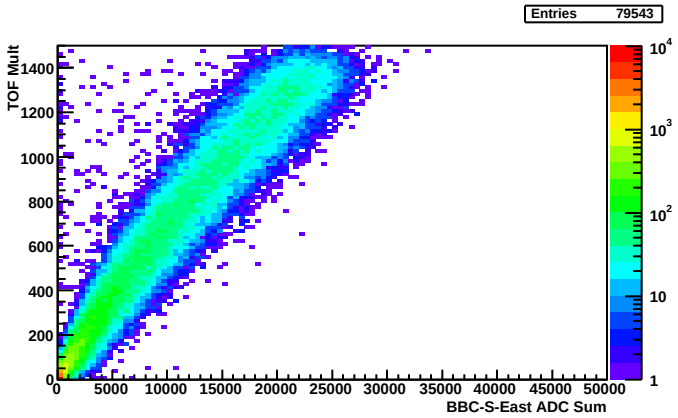

BBQ-VP003 (HI threshold)
Entries 1272688
TAC
QT Input Channel

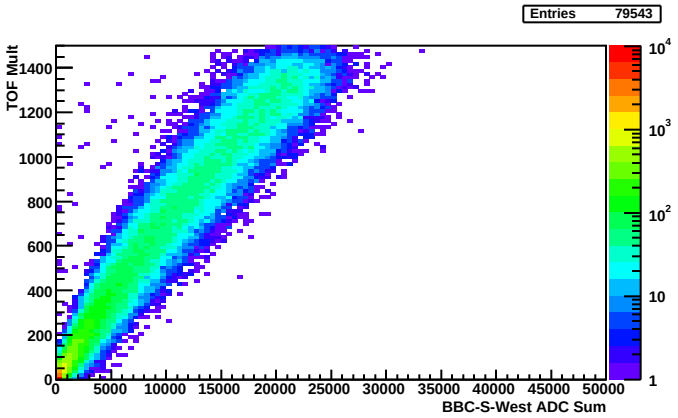

BBQ-VP004 (HI threshold)
Entries 1272688
ADC
QT Input Channel

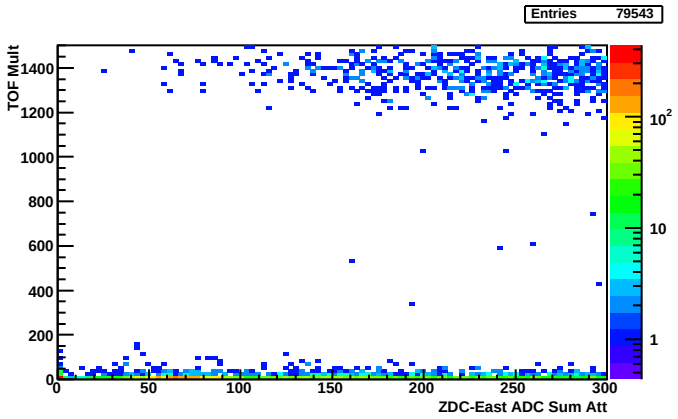

BBQ-VP004 (HI threshold)
Entries 1272688
TAC
QT Input Channel

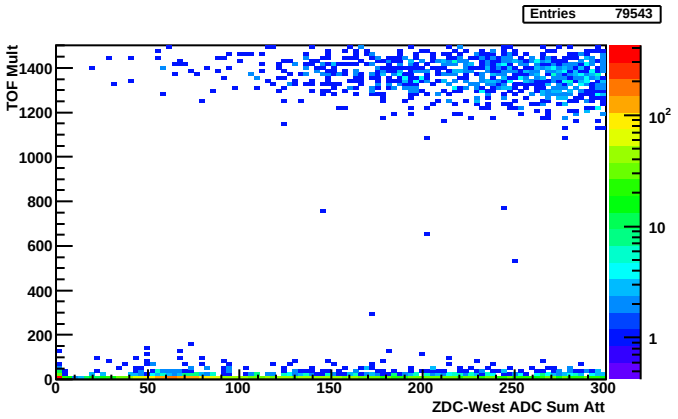

Entries 79543
TOF Mult
BBC-L-East ADC Sum

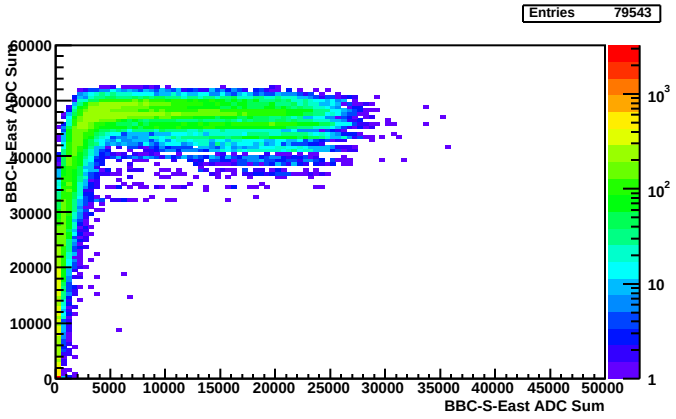

Entries 79543
TOF Mult
BBC-L-West ADC Sum

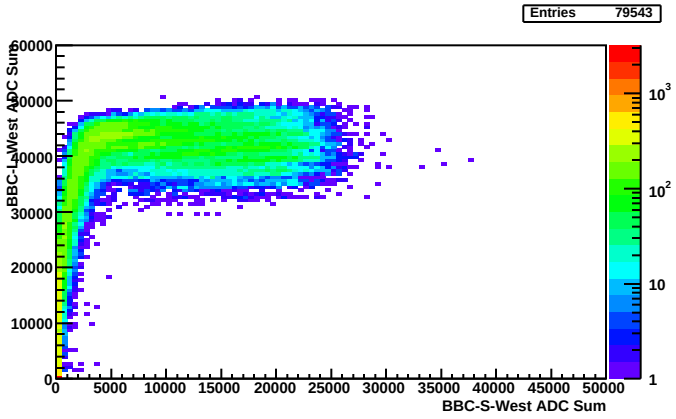

Entries 79543
TOF Mult
BBC-S-East ADC Sum

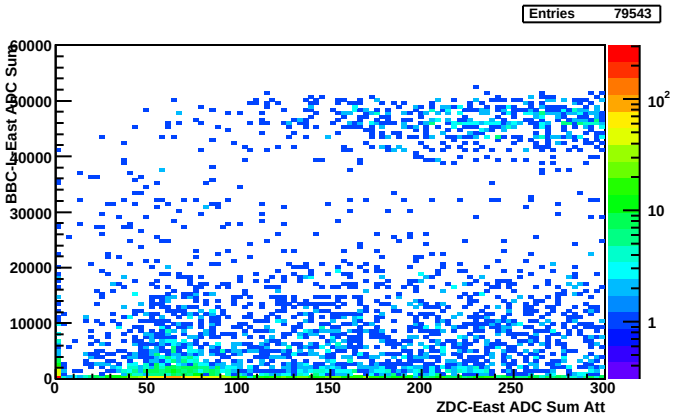

Entries 79543
TOF Mult
BBC-S-West ADC Sum


Entries 79543
TOF Mult
ZDC-East ADC Sum Att


Entries 79543
TOF Mult
ZDC-West ADC Sum Att


Entries 79543
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 79543
BBC-L-West ADC Sum
BBC-S-West ADC Sum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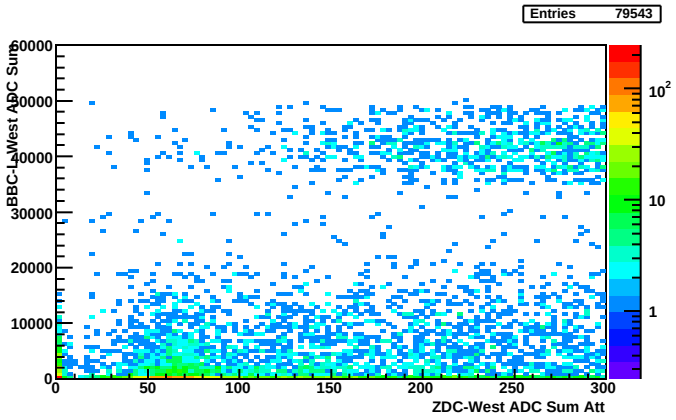
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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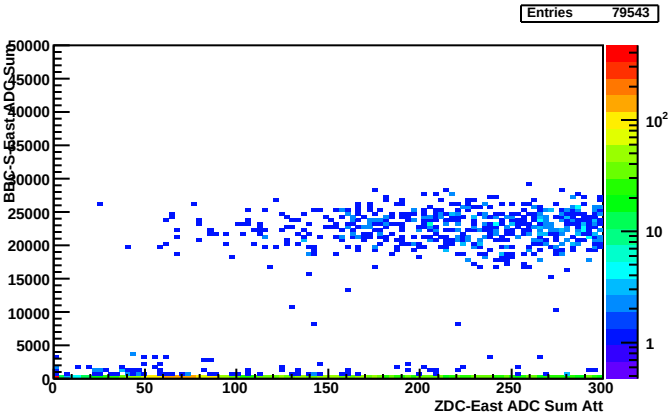
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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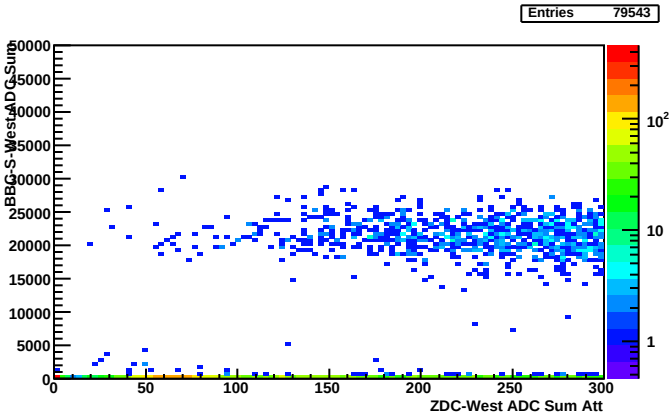
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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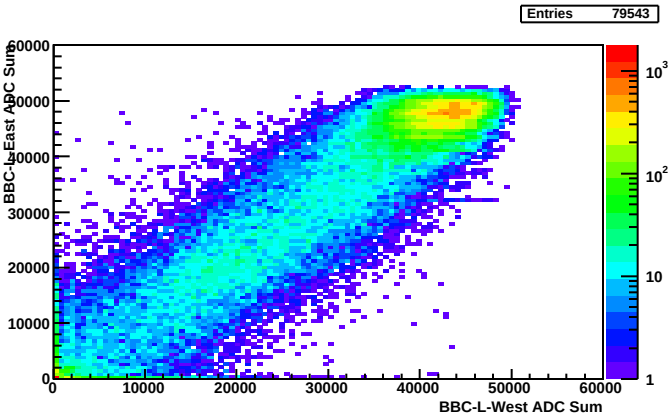
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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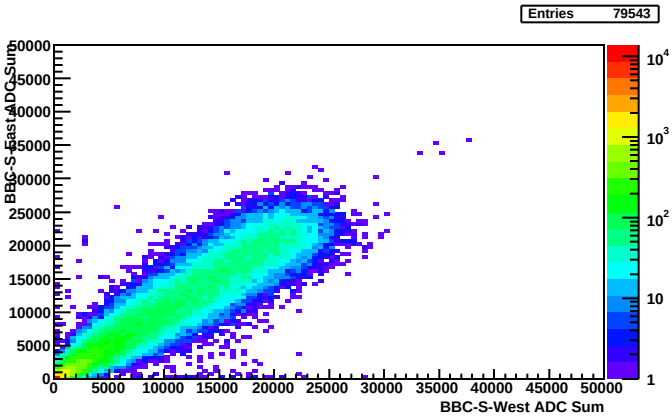
BBC-L-East ADC Sum
BBC-L-West ADC Sum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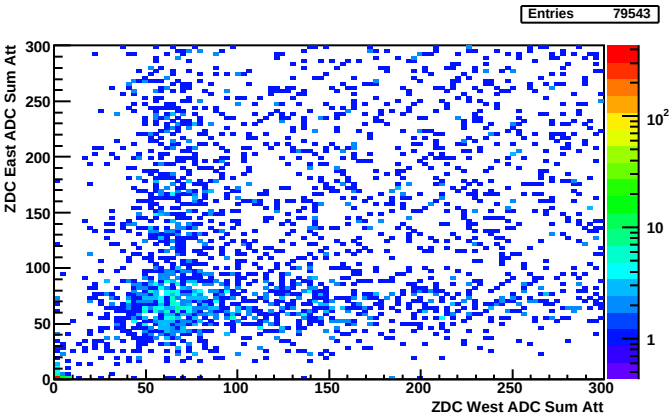
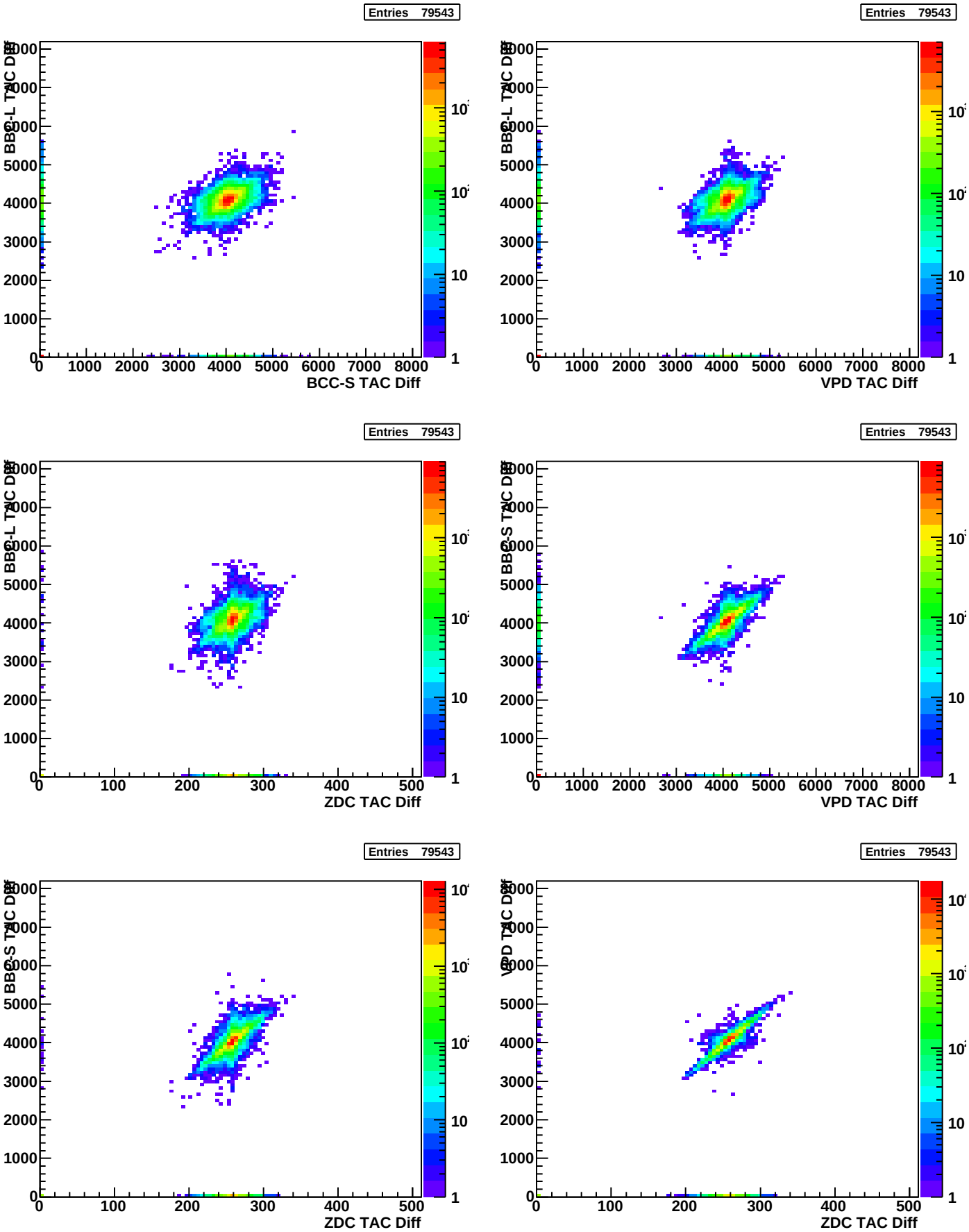
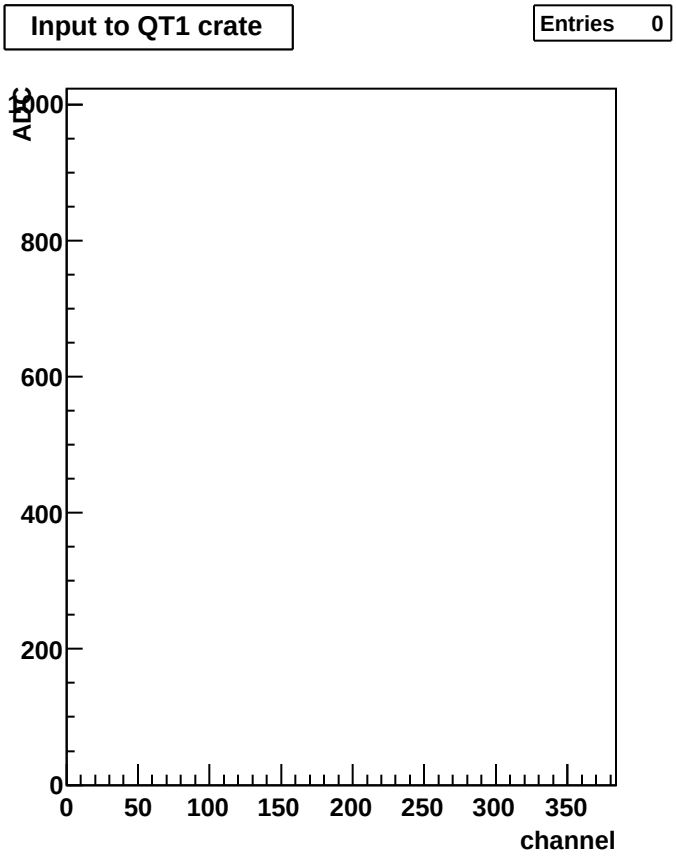
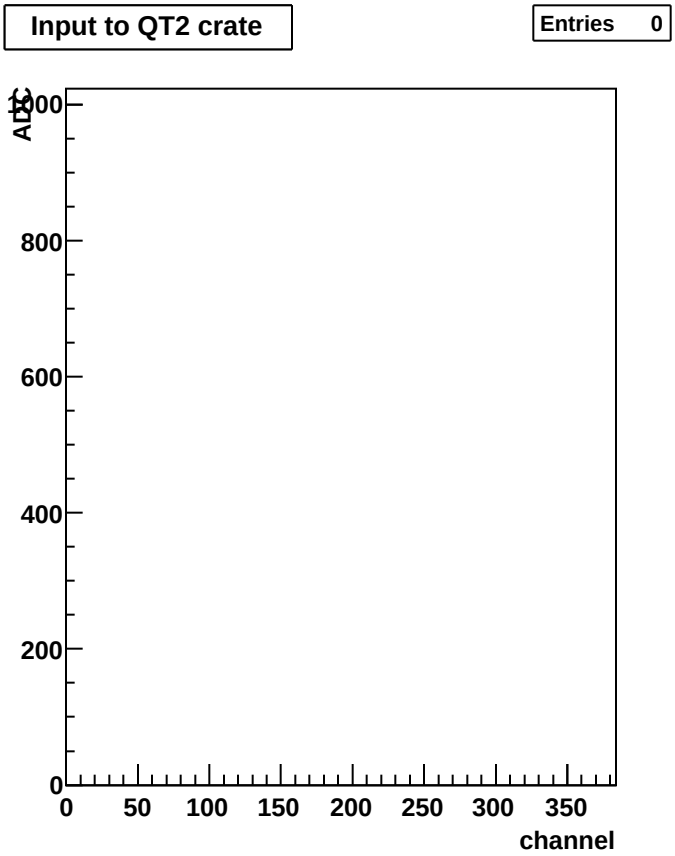
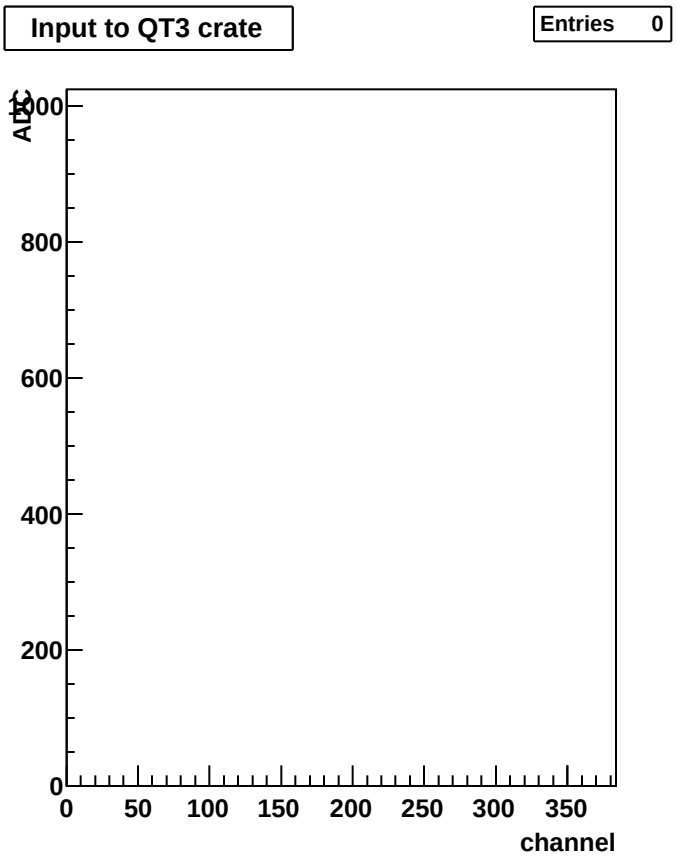
BBC-S-East ADC Sum
BBC-S-West ADC Sum

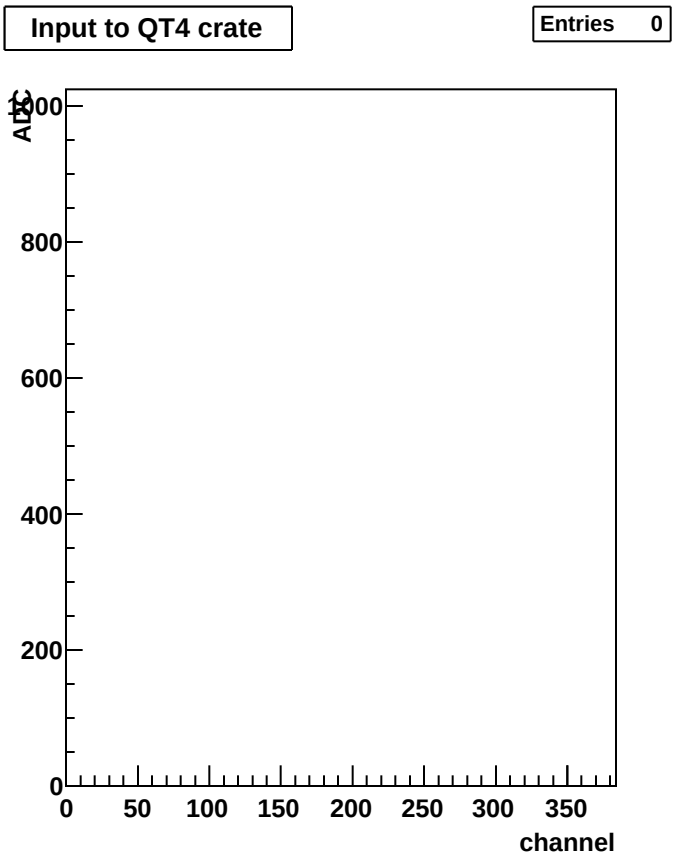

Entries 79543
ZDC East ADC Sum Att
ZDC West ADC Sum Att

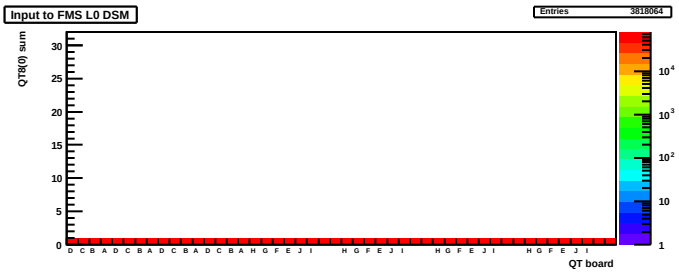

Entries 79543
BBC-L TAC Diff
BCC-S TAC Diff
Entries 79543
BBC-L TAC Diff
VPD TAC Diff
Entries 79543
BBC-L TAC Diff
ZDC TAC Diff
Entries 79543
BBC-S TAC Diff
VPD TAC Diff
Entries 79543
BBC-S TAC Diff
ZDC TAC Diff
Entries 79543
VPD TAC Diff
ZDC TAC Diff

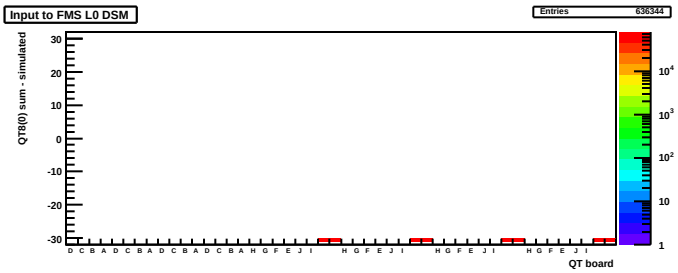

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

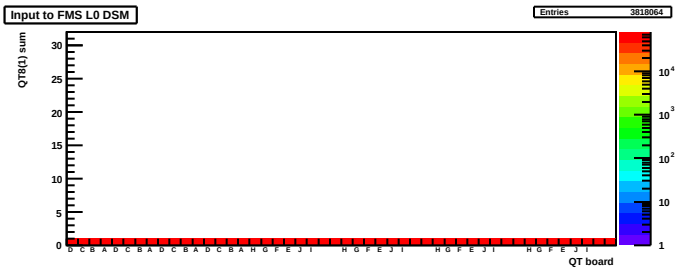

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

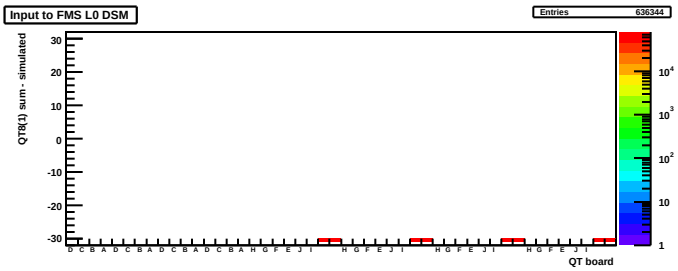

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

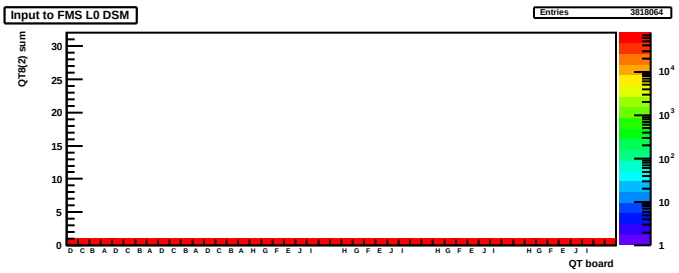

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

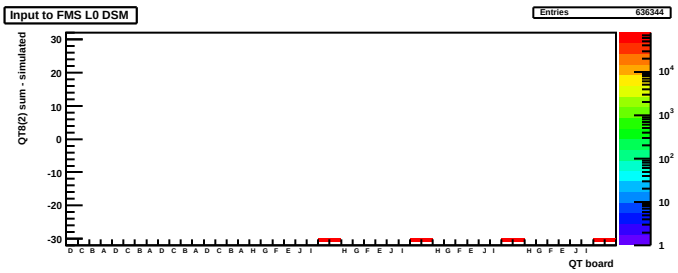

Input to FMS L0 DSM
Entries 3818064
QT8(0) sum
QT board

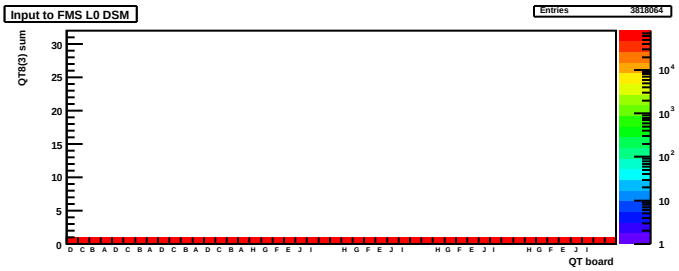

Input to FMS L0 DSM
Entries 636344
QT8(0) sum - simulated
QT board

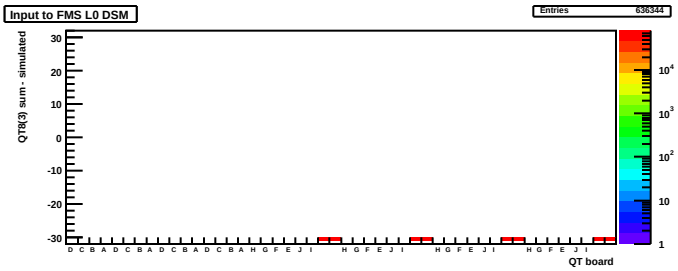

Input to FMS L0 DSM
Entries 3818064
QT8(1) sum
QT board

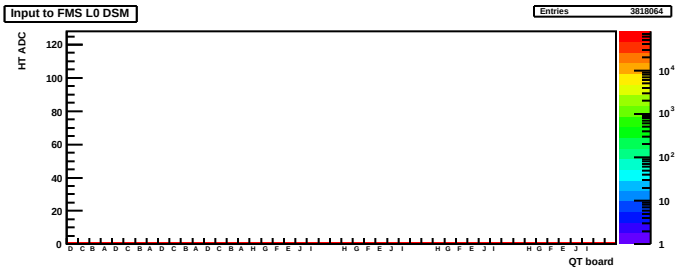

Input to FMS L0 DSM
Entries 636344
QT8(1) sum - simulated
QT board

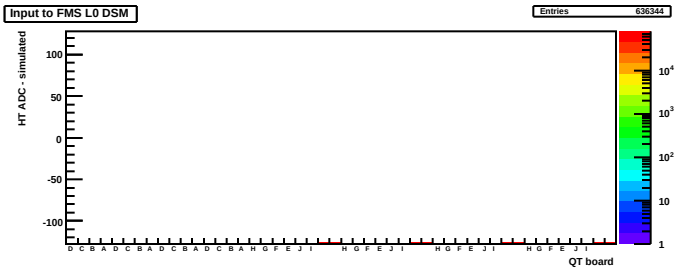

Input to FMS L0 DSM
Entries 3818064
QT8(2) sum
QT board

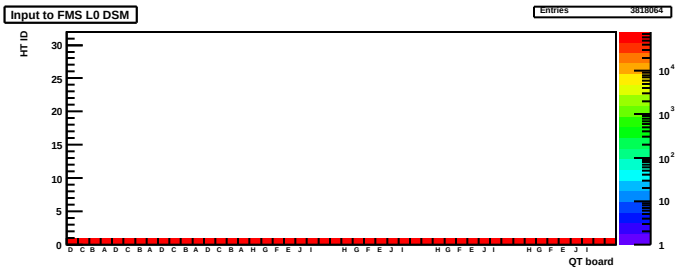

Input to FMS L0 DSM
Entries 636344
QT8(2) sum - simulated
QT board

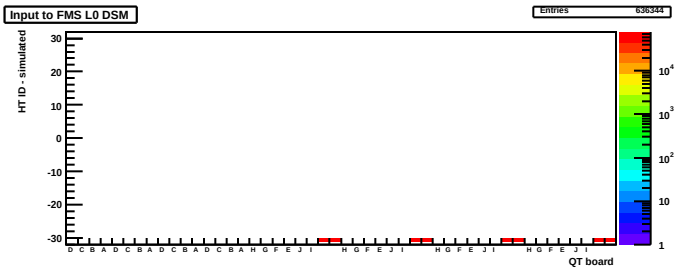

Input to FMS L0 DSM
Entries 3818064
QT8(3) sum
QT board

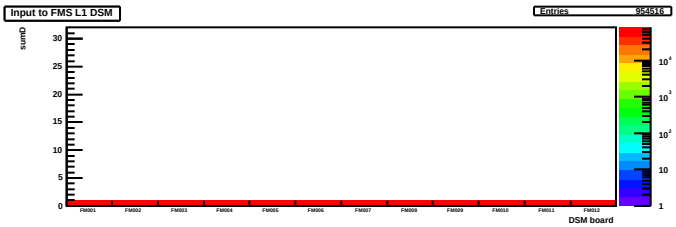

Input to FMS L0 DSM
Entries 636344
QT8(3) sum - simulated
QT board

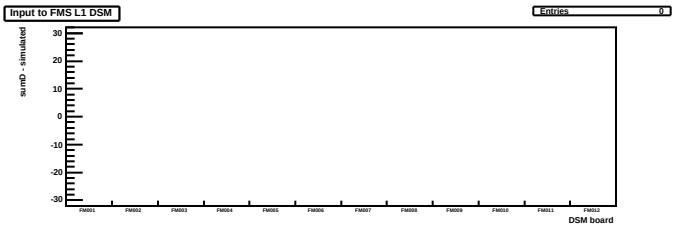

Input to FMS L0 DSM
Entries 3818064
HT ADC
QT board

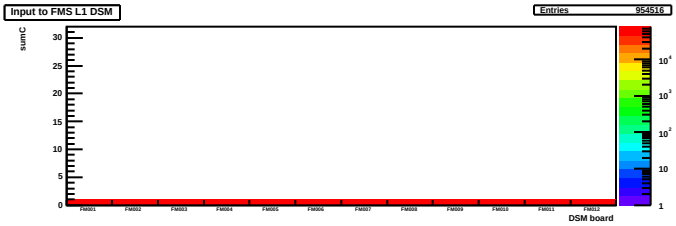

Input to FMS L0 DSM
Entries 636344
HT ADC - simulated
QT board

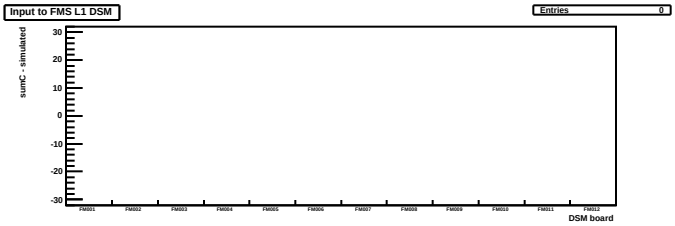

Input to FMS L0 DSM
Entries 3818064
HT ID
QT board

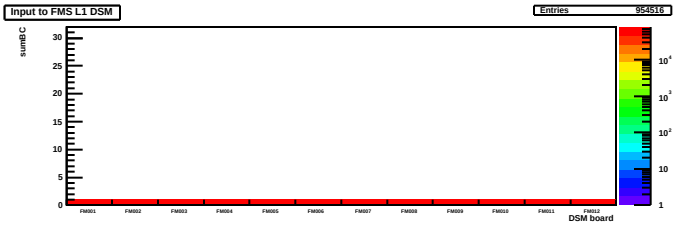

Input to FMS L0 DSM
Entries 636344
HT ID - simulated
QT board

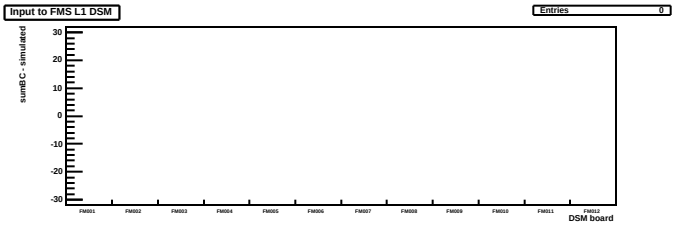

Input to FMS L1 DSM
Entries 954516
sumD
DSM board

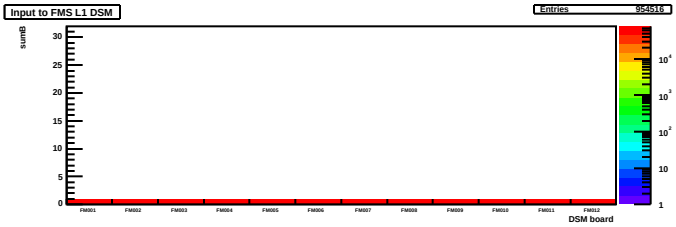

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

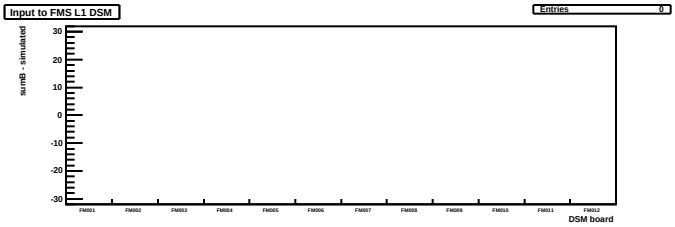

Input to FMS L1 DSM
Entries 954516
sumC
DSM board

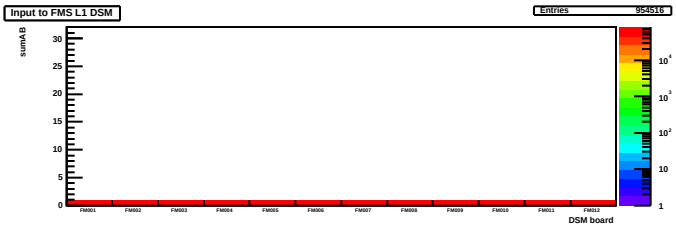

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

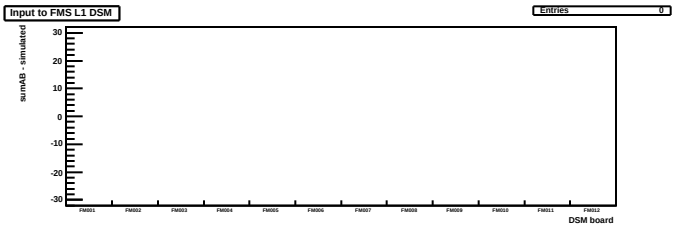

Input to FMS L1 DSM
Entries 954516
sumBC
DSM board

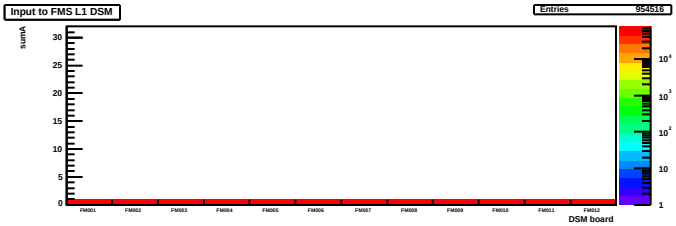

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

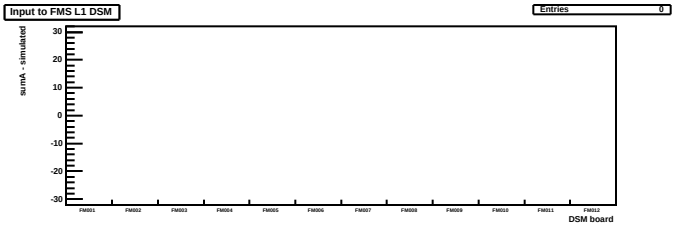

Input to FMS L1 DSM
Entries 954516
sumB
DSM board

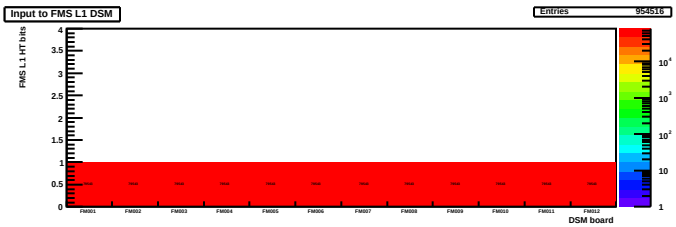

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

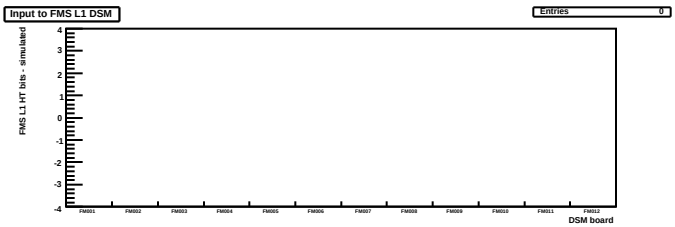

Input to FMS L1 DSM
Entries 954516
sumAB
DSM board

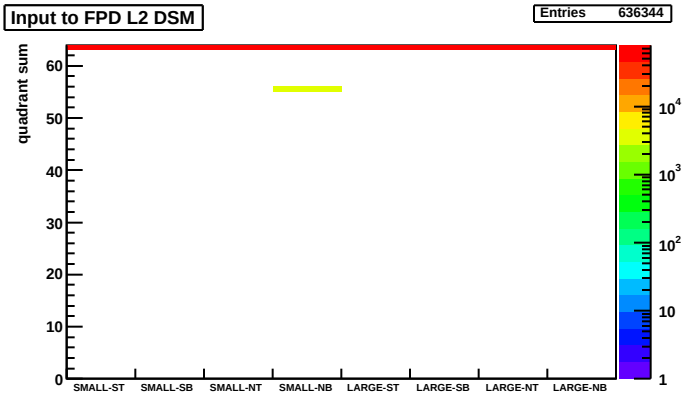

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

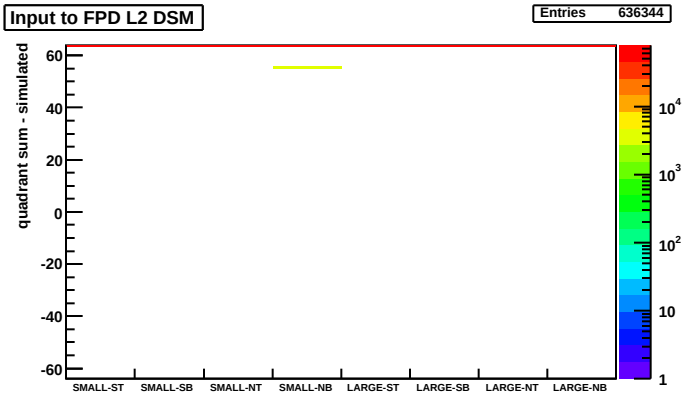

Input to FMS L1 DSM
Entries 954516
sumA
DSM board

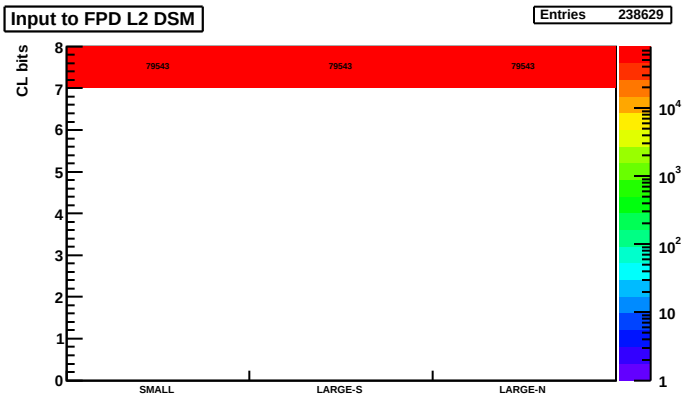

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

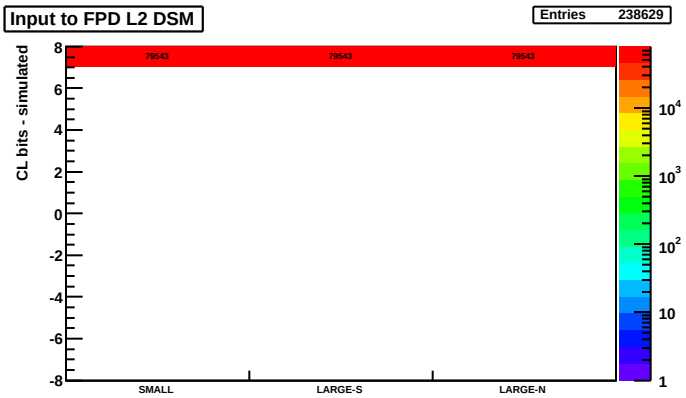

Input to FMS L1 DSM
Entries 954516
FMS L1 HT bits
DSM board

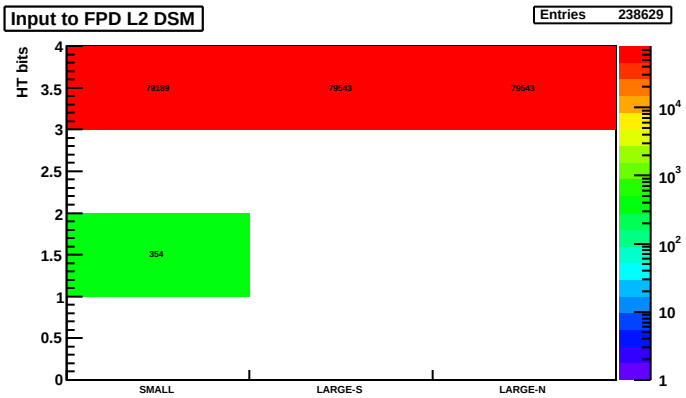

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

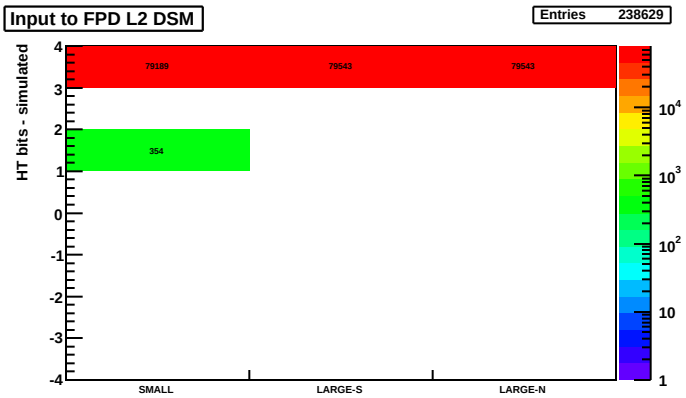

Input to FPD L2 DSM
Entries 636344
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

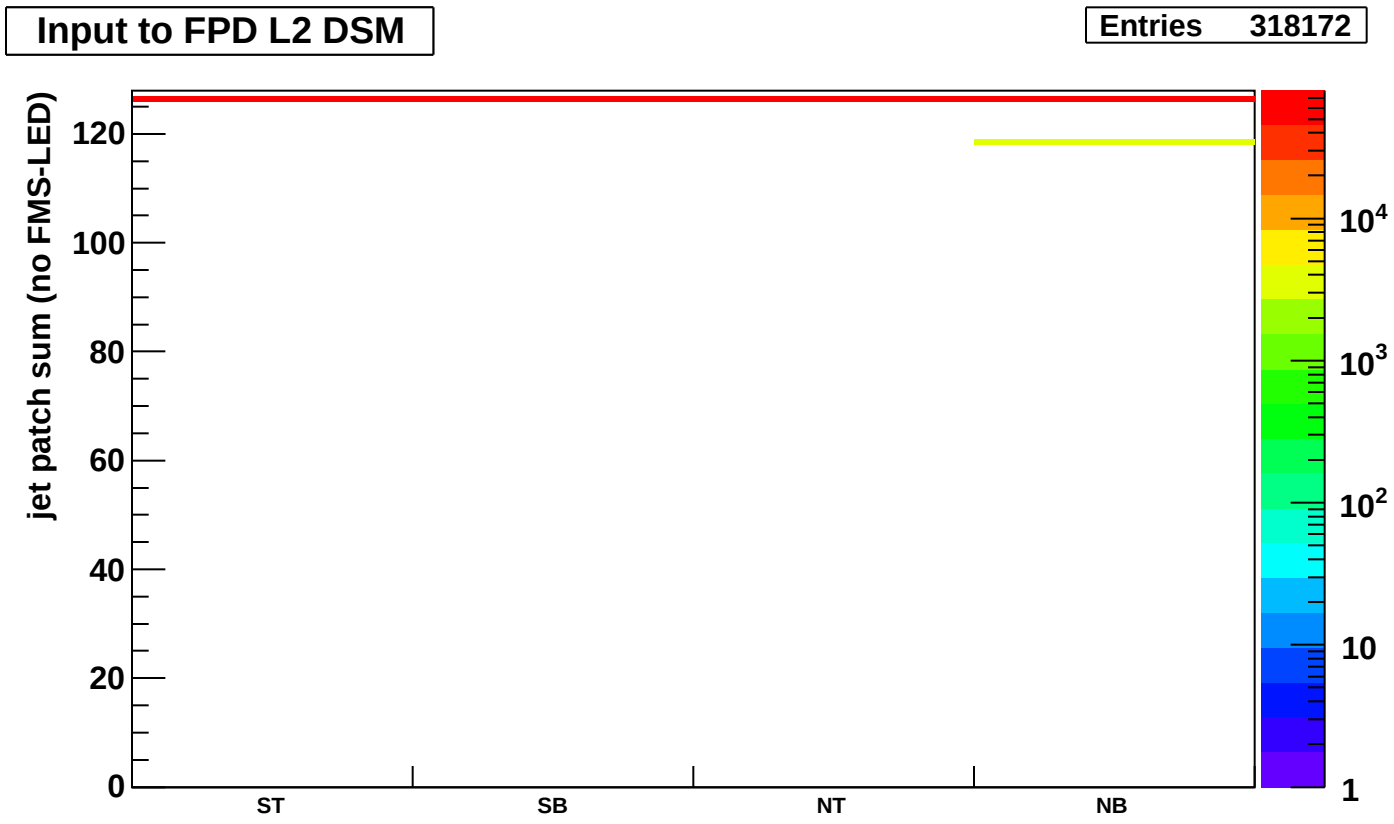

Input to FPD L2 DSM
Entries 636344
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

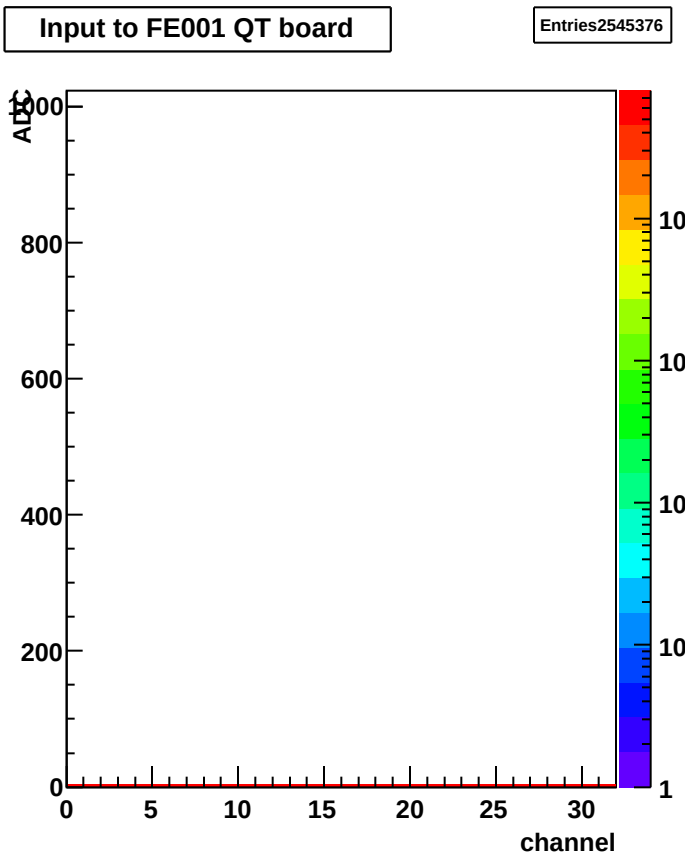

Input to FPD L2 DSM
Entries 238629
CL bits
79543
79543
79543
SMALL
LARGE-S
LARGE-N

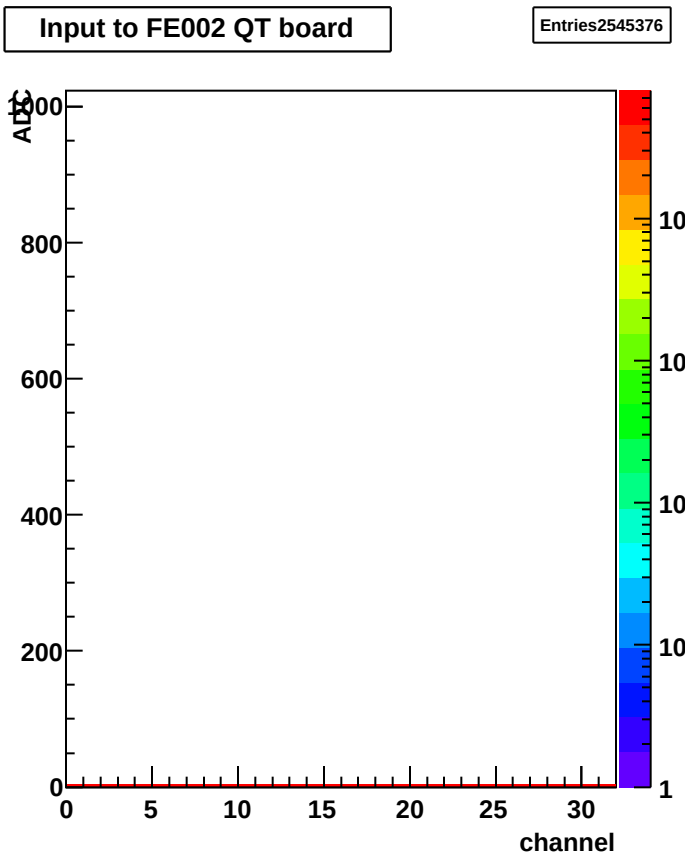

Input to FPD L2 DSM
Entries 238629
CL bits - simulated
79543
79543
79543
SMALL
LARGE-S
LARGE-N

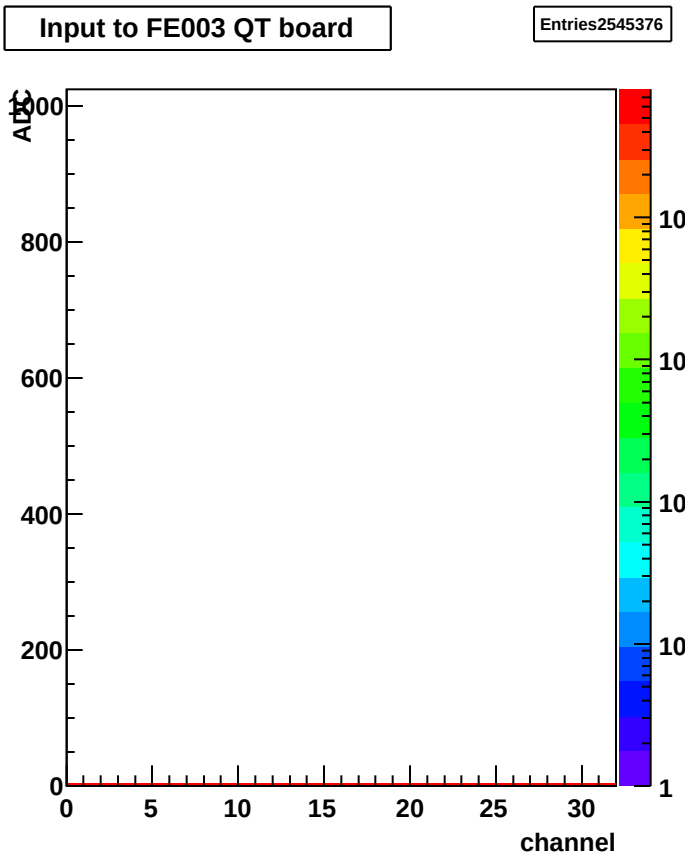

Input to FPD L2 DSM
Entries 238629
HT bits
79189
79543
79543
354
SMALL
LARGE-S
LARGE-N

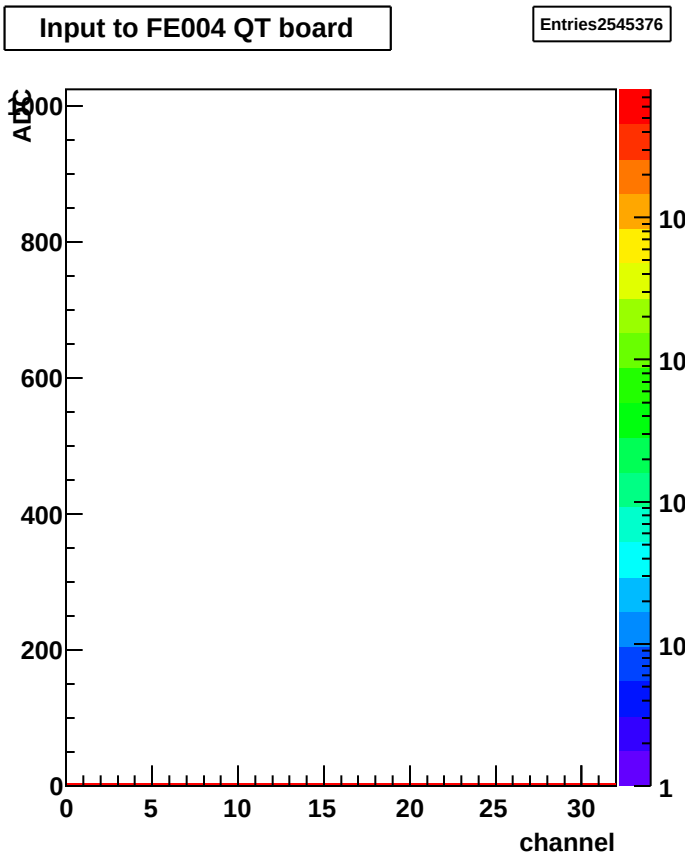

Input to FPD L2 DSM
Entries 238629
HT bits - simulated
79189
79543
79543
354
SMALL
LARGE-S
LARGE-N

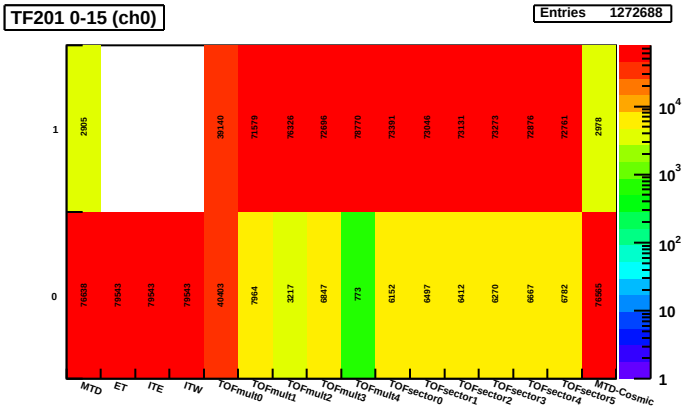

Input to FPD L2 DSM
Entries 318172
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4

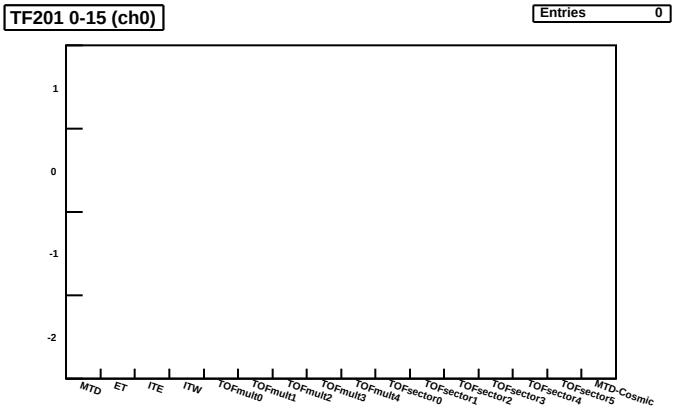

Input to FE001 QT board
Entries2545376
ADC
channel

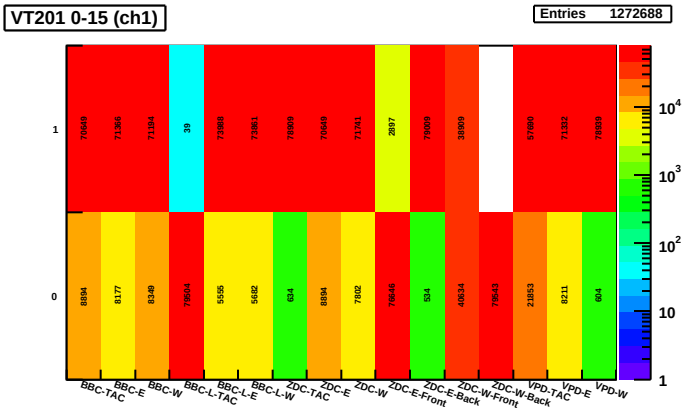

Input to FE002 QT board
Entries2545376
ADC
channel

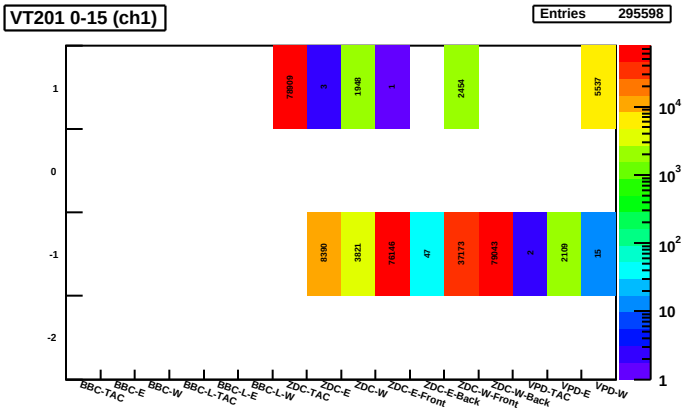

Input to FE003 QT board
Entries2545376
ADC
channel

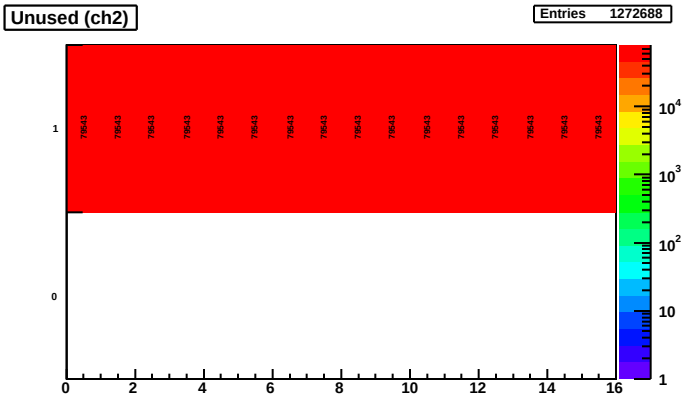

Input to FE004 QT board
Entries2545376
ADC
channel

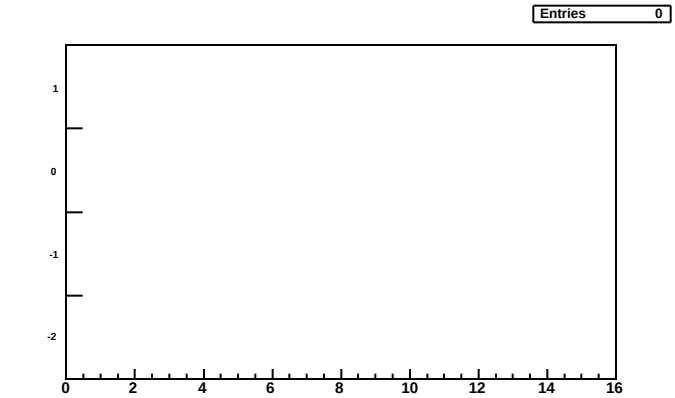

TF201 0-15 (ch0)
Entries 1272688
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

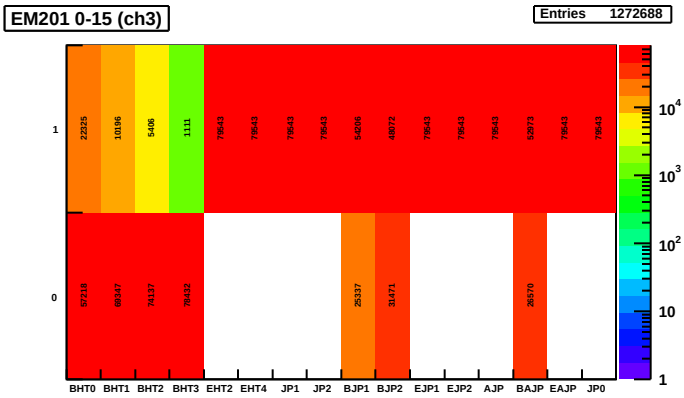

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

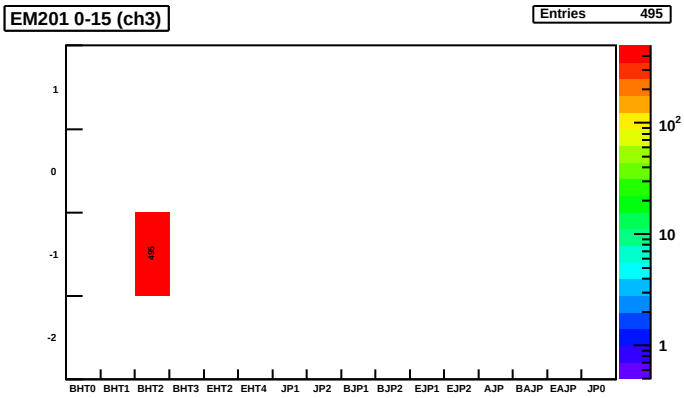

VT201 0-15 (ch1)
Entries 1272688
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 295598
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

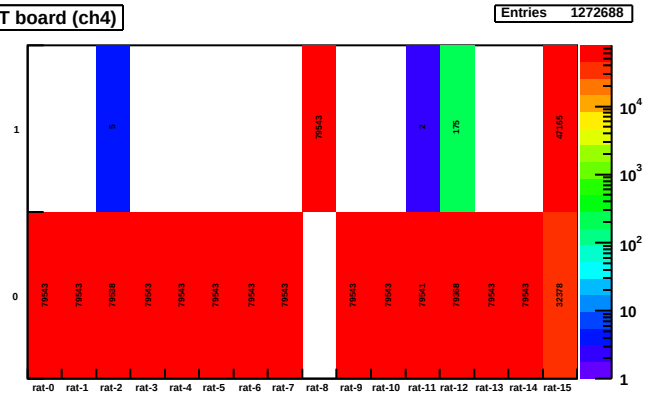

Unused (ch2)
Entries 1272688

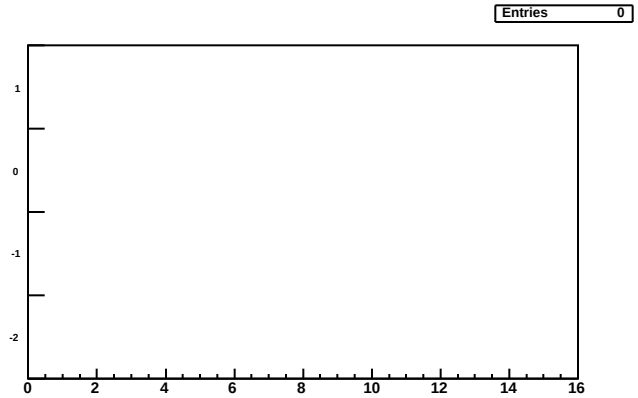

Entries 0


EM201 0-15 (ch3)
Entries 1272688
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

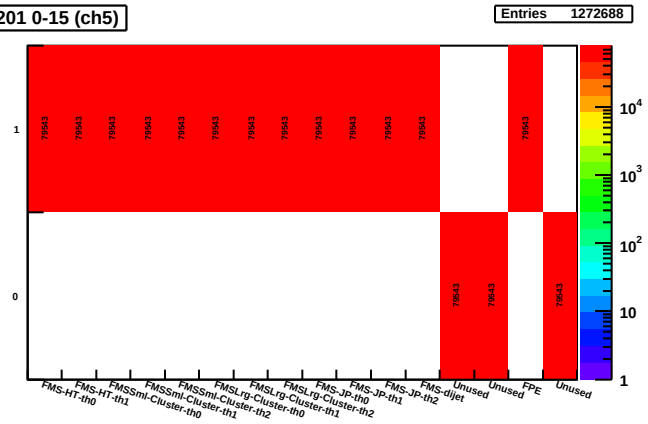

EM201 0-15 (ch3)
Entries 495
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

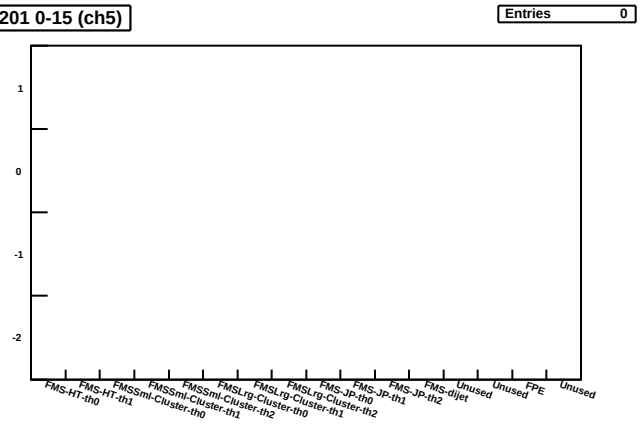




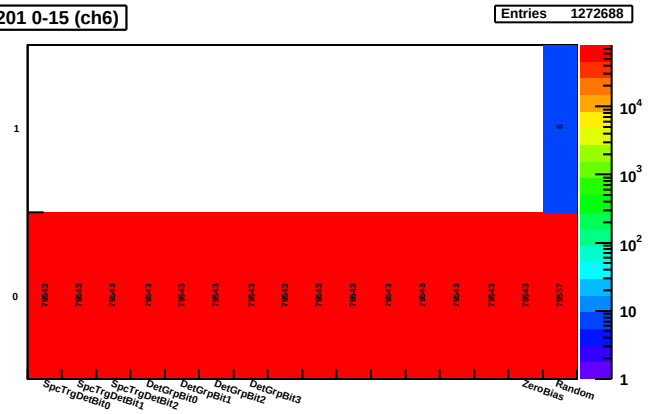
FP201 0-15 (ch5)

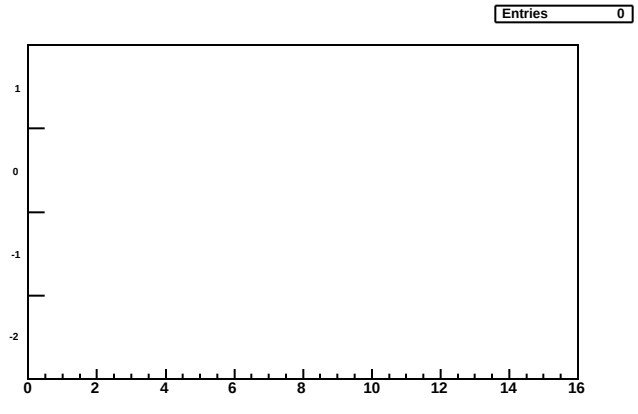
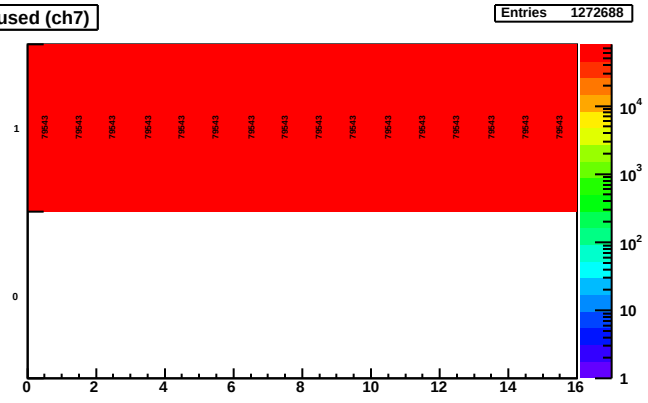
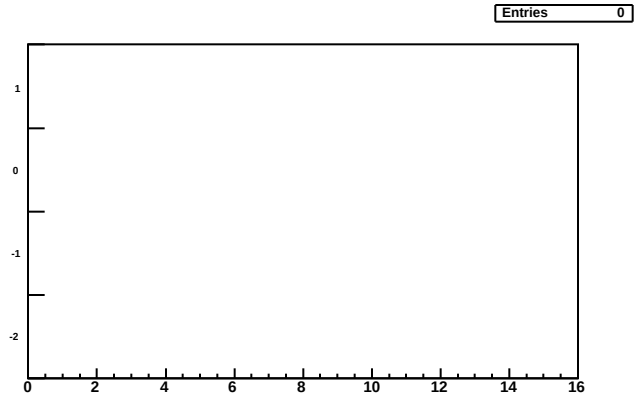


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)