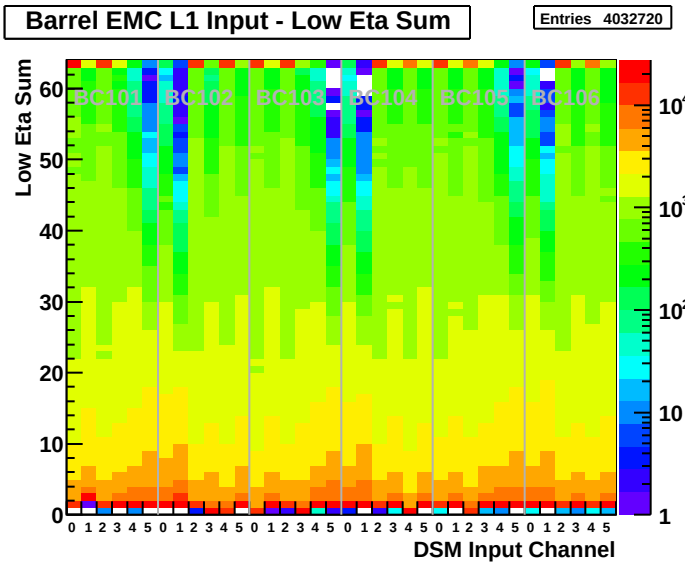
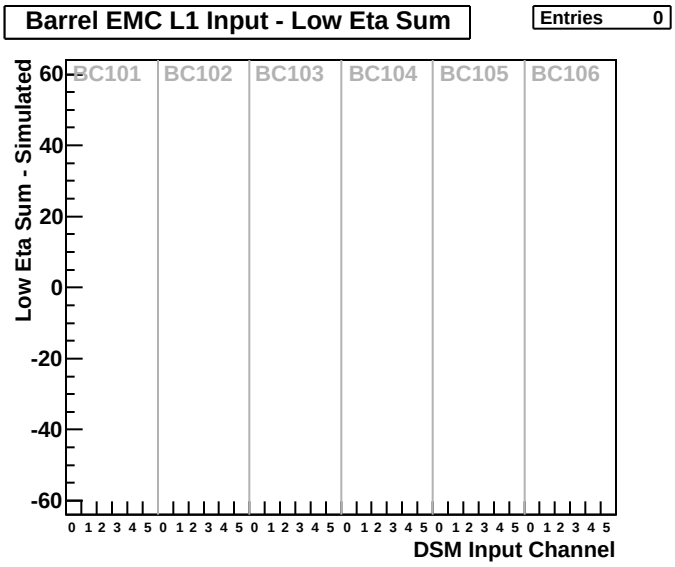
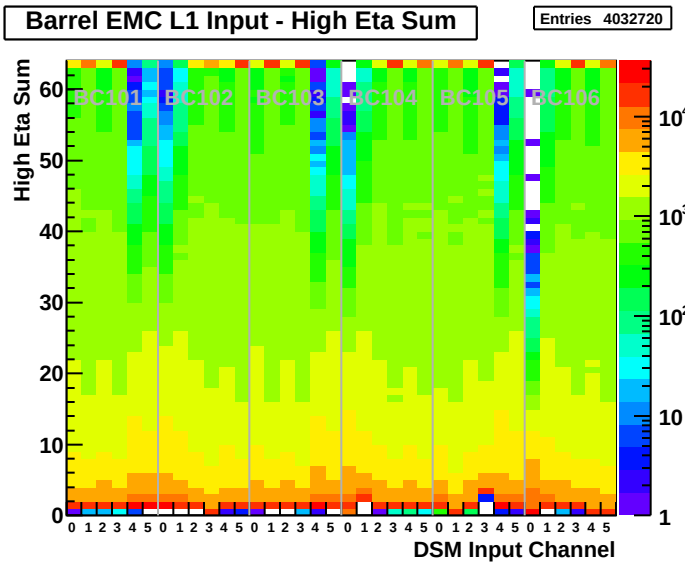
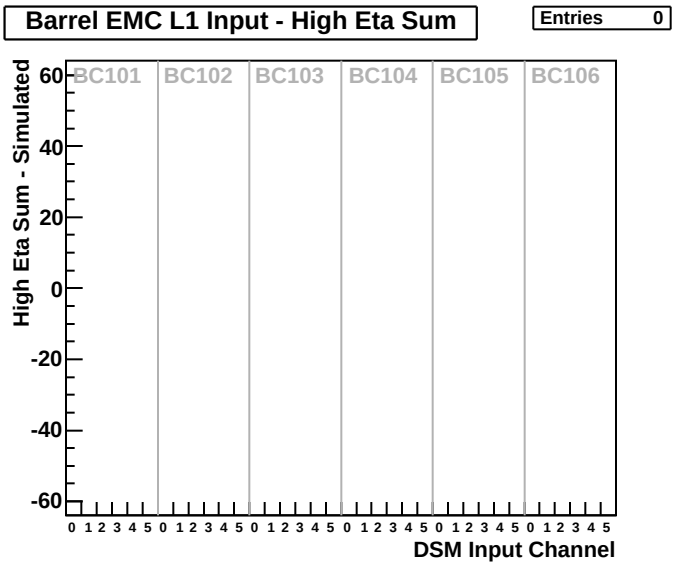
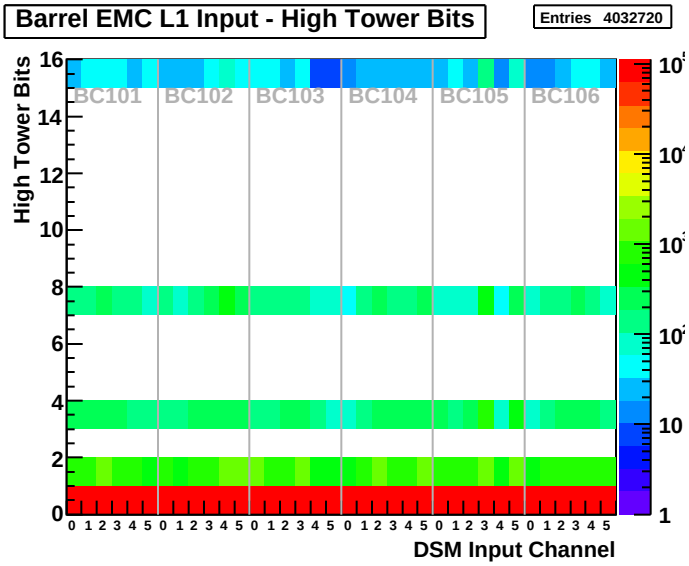
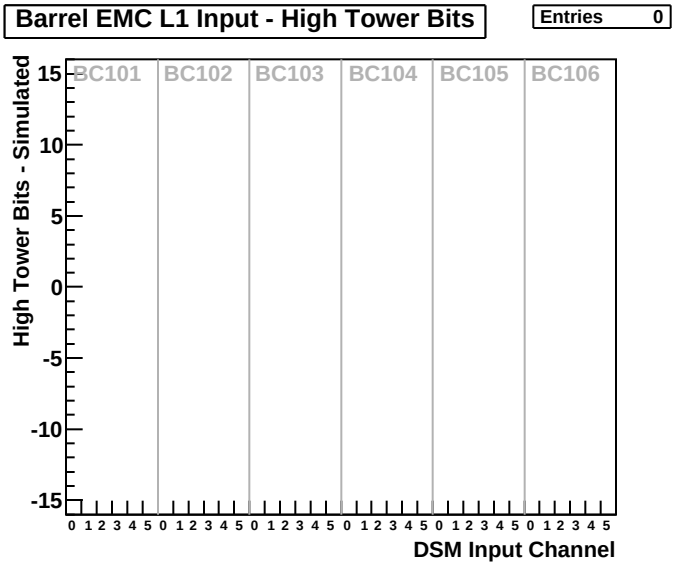

Barrel EMC L1 Input - Low Eta Sum
Entries 4032720
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

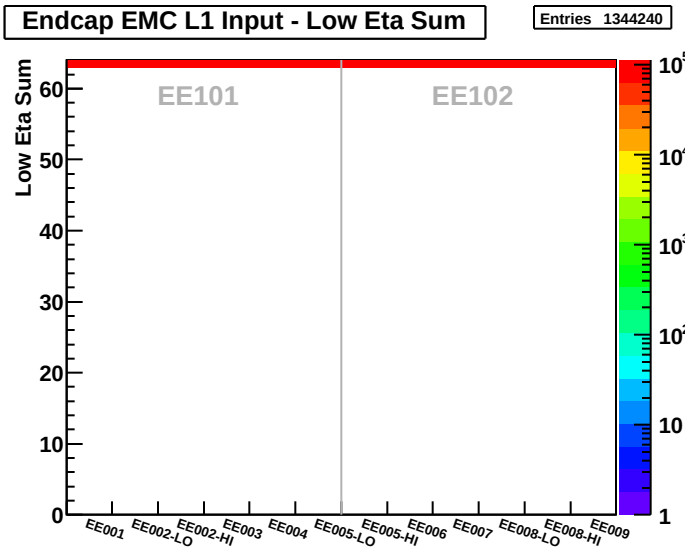

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

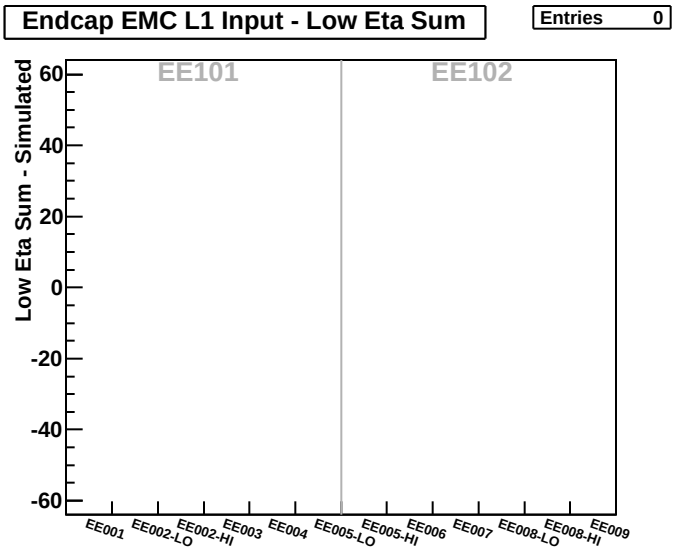

Barrel EMC L1 Input - High Eta Sum
Entries 4032720
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

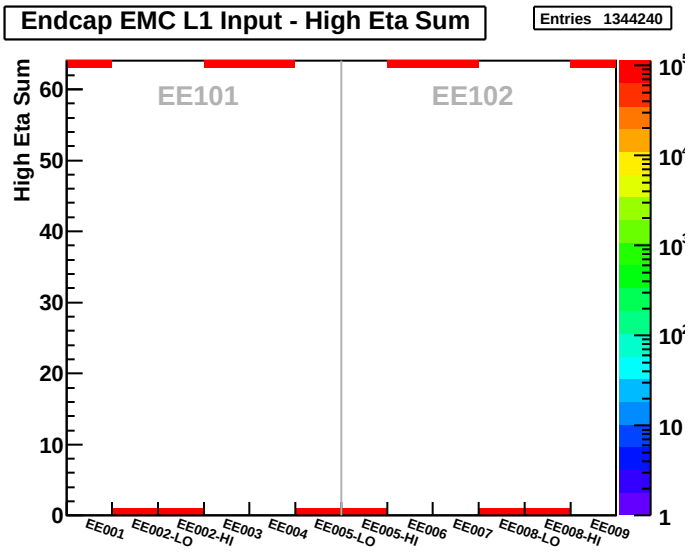

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

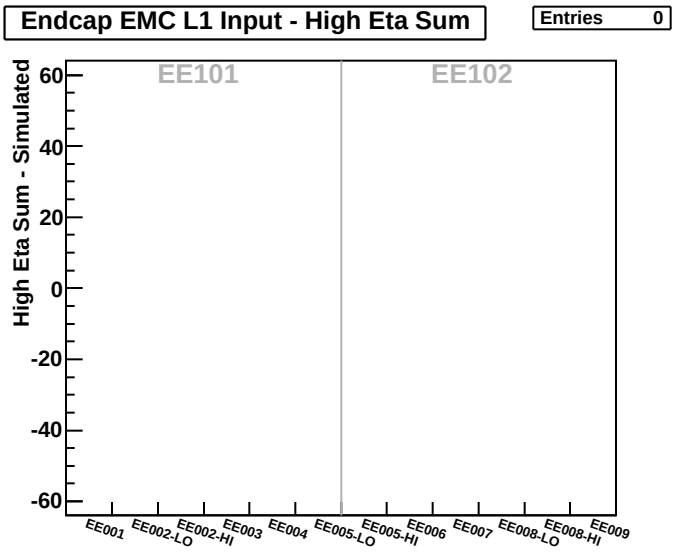

Barrel EMC L1 Input - High Tower Bits
Entries 4032720
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

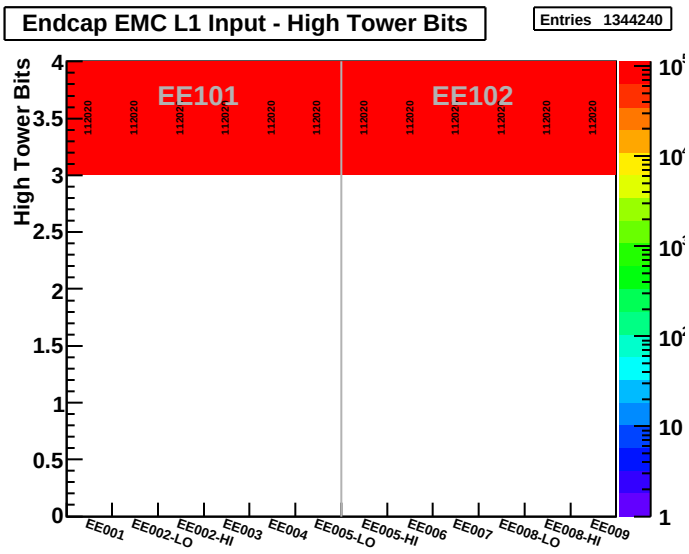

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

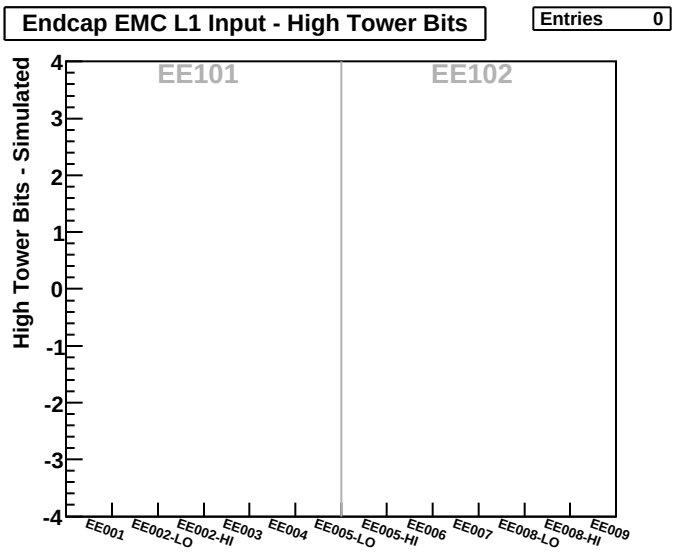

Endcap EMC L1 Input - Low Eta Sum
Entries 1344240
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

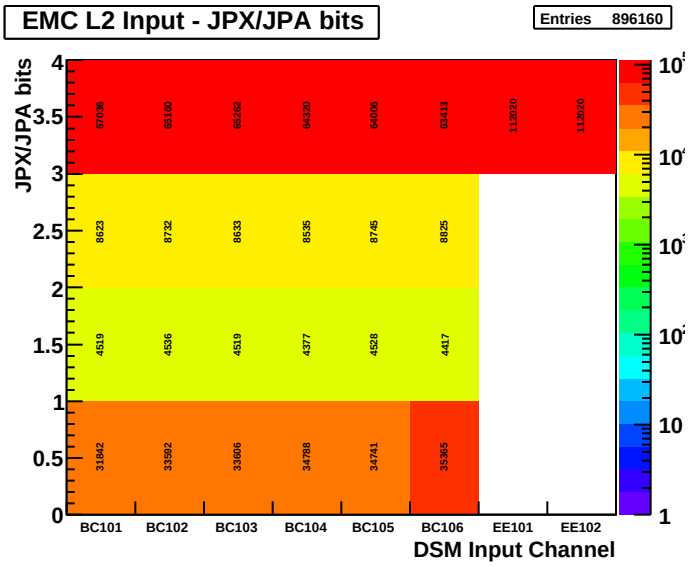

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

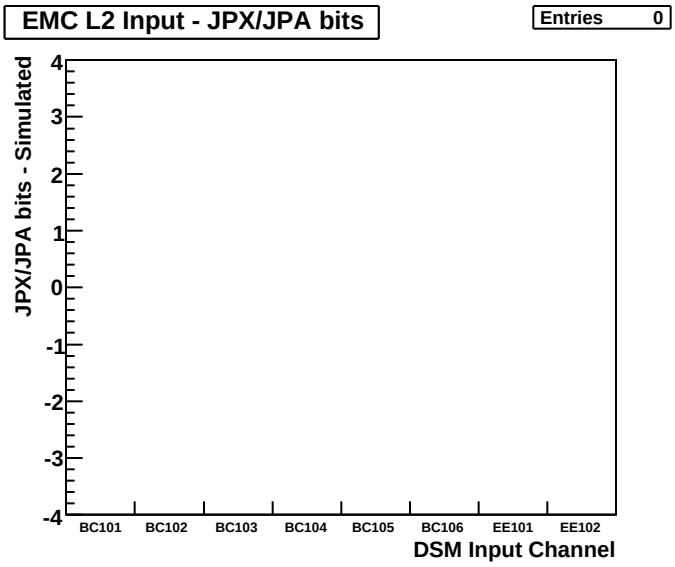

Endcap EMC L1 Input - High Eta Sum
Entries 1344240
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

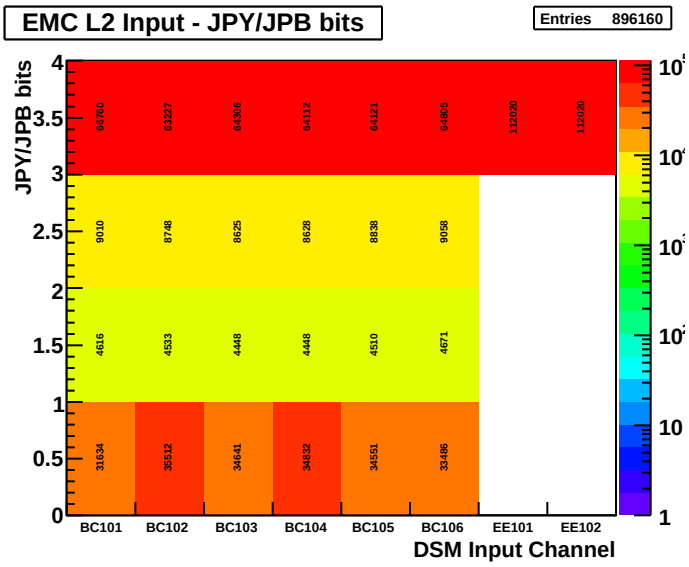

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

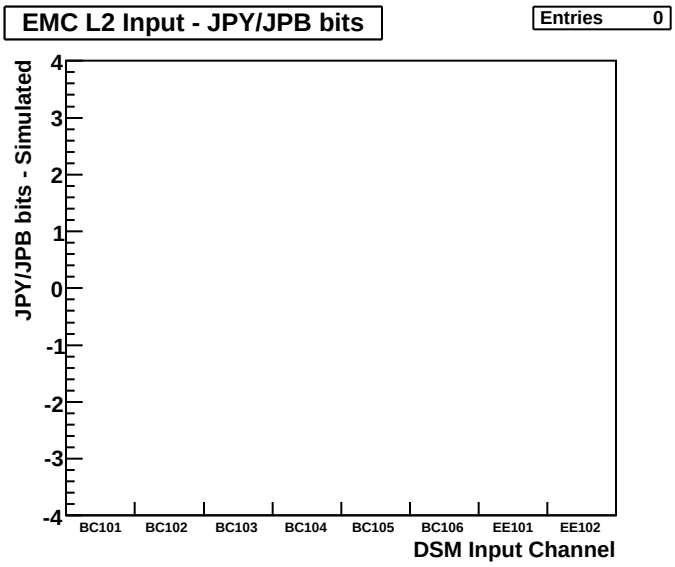

Endcap EMC L1 Input - High Tower Bits
Entries 1344240
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

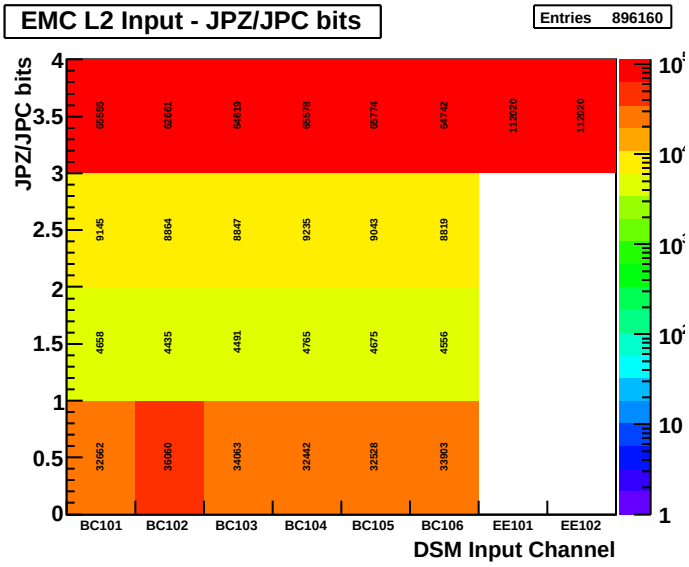

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

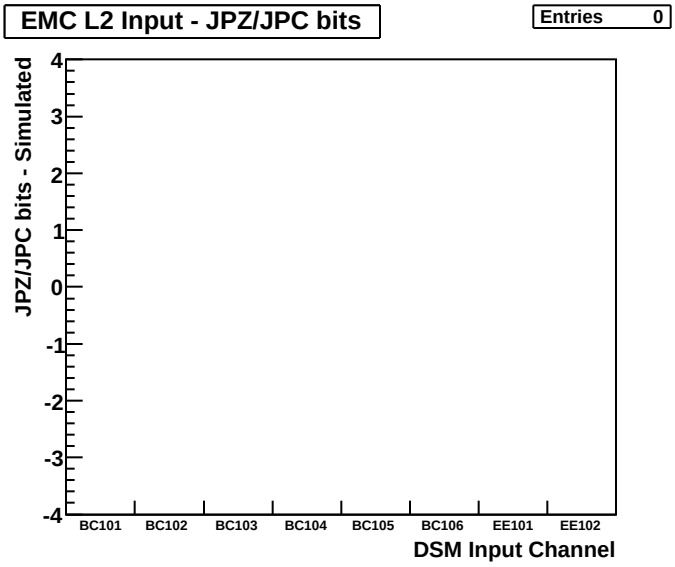

EMC L2 Input - JPX/JPA bits
Entries 896160
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
67036 65160 65262 64320 64006 63413 112020 112020
8623 8732 8633 8535 8745 8825
4519 4536 4519 4377 4528 4417
31842 33592 33606 34788 34741 35365

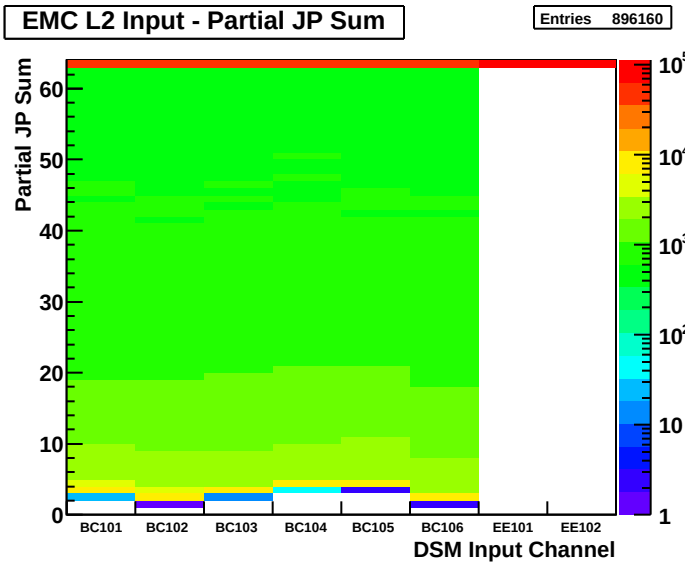

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

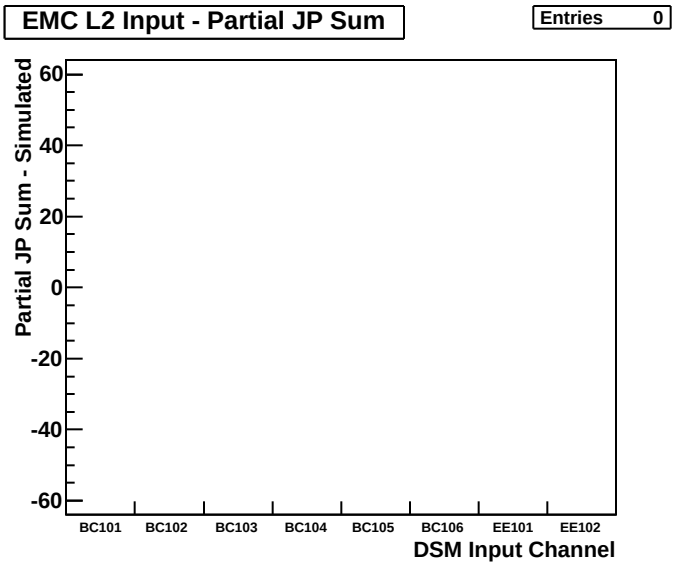

EMC L2 Input - JPY/JPB bits
Entries 896160
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
65760 63227 64306 64112 64121 64805 112020 112020
9010 8748 8625 8628 8838 9058
4616 4533 4448 4448 4510 4671
31634 35512 34641 34832 34551 33486

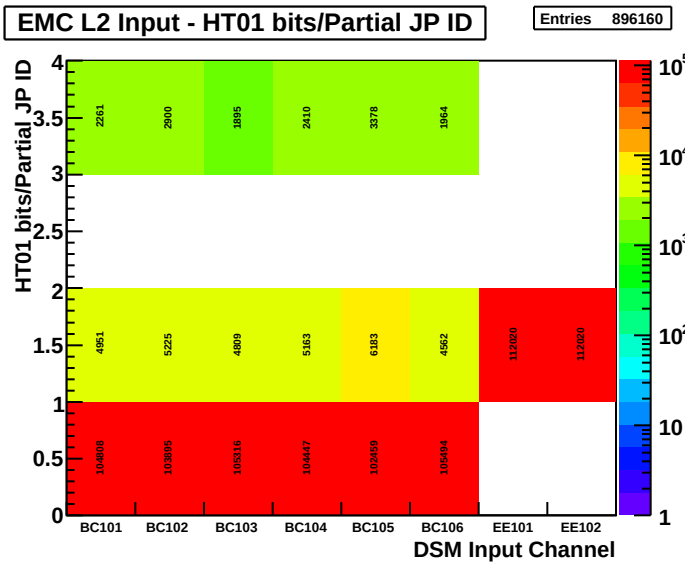

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

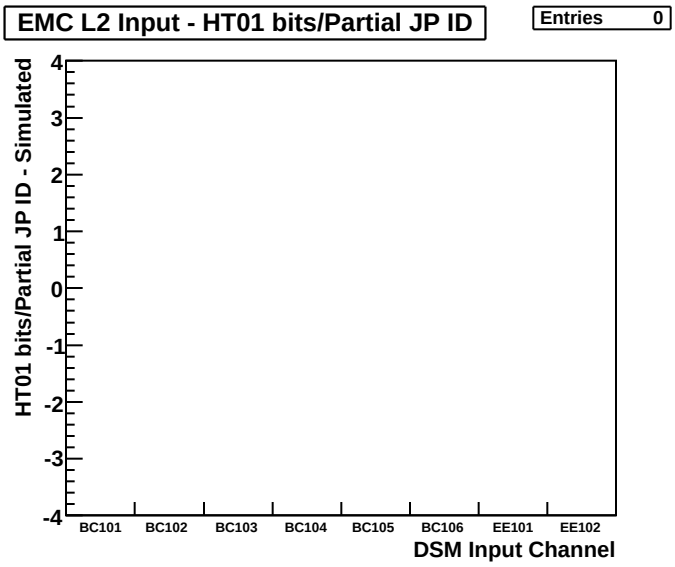

EMC L2 Input - JPZ/JPC bits
Entries 896160
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
66555 62661 64619 65578 65774 64742 112020 112020
9145 8864 8847 9235 9043 8819
4658 4435 4491 4765 4675 4566
32662 36060 34063 32442 32528 33903

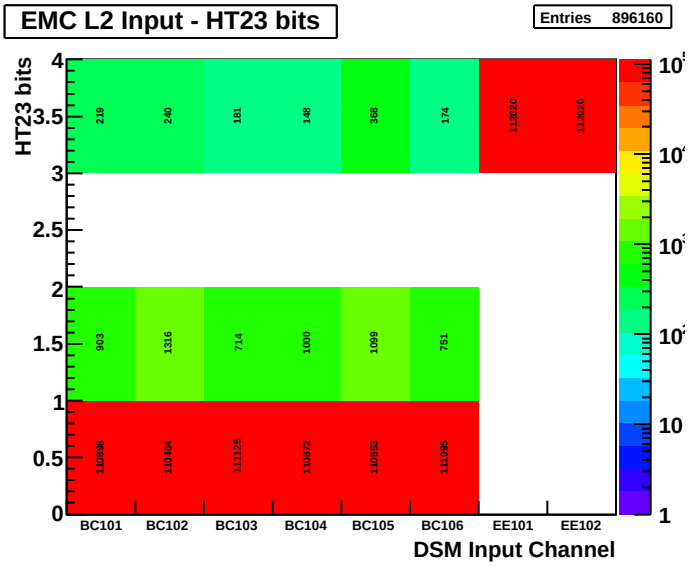

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

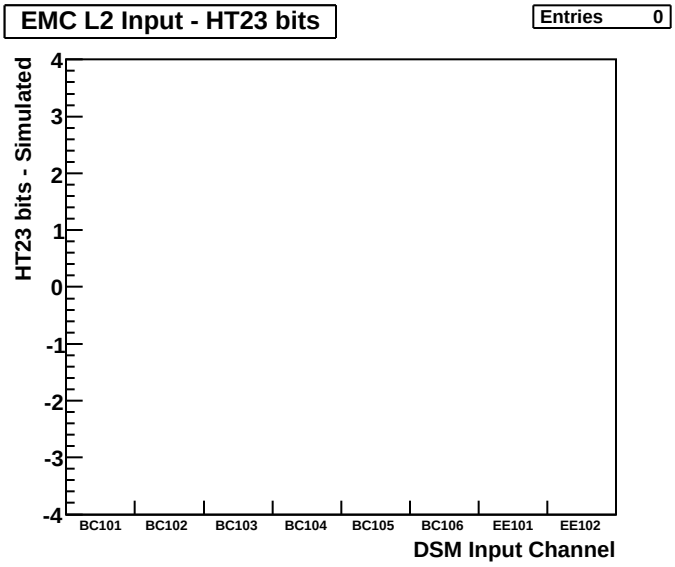

EMC L2 Input - Partial JP Sum
Entries 896160
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

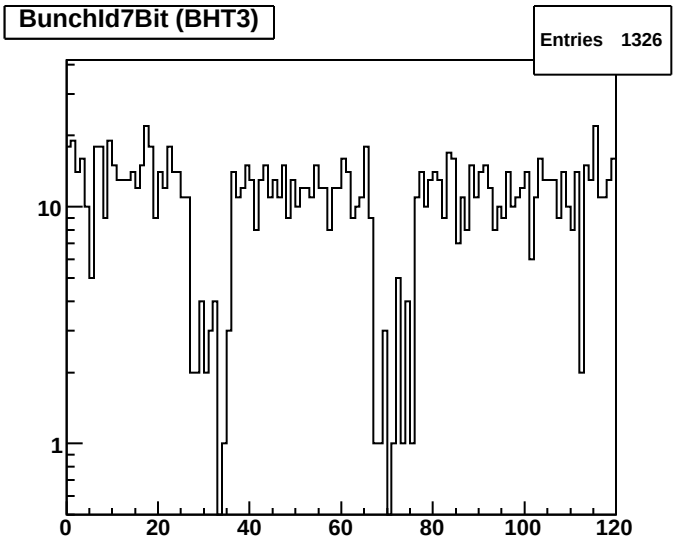

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

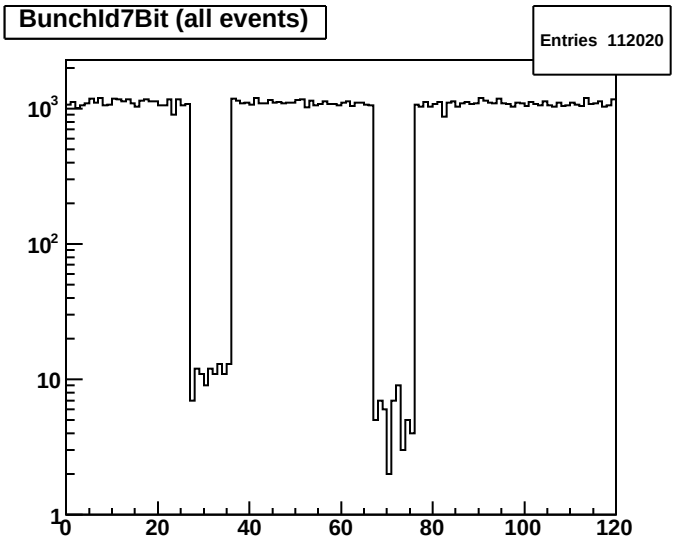

EMC L2 Input - HT01 bits/Partial JP ID
Entries 896160
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

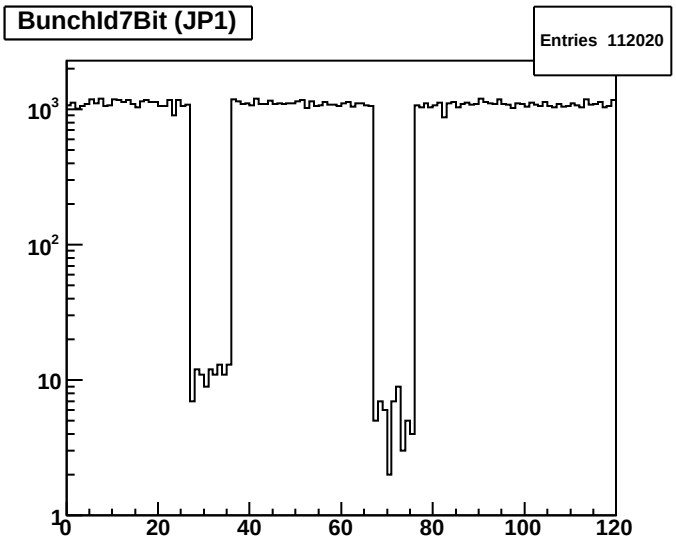

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

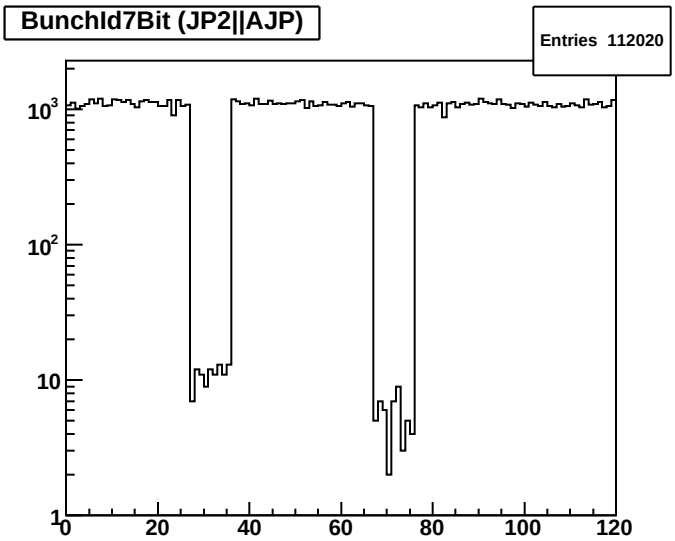

EMC L2 Input - HT23 bits
Entries 896160
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

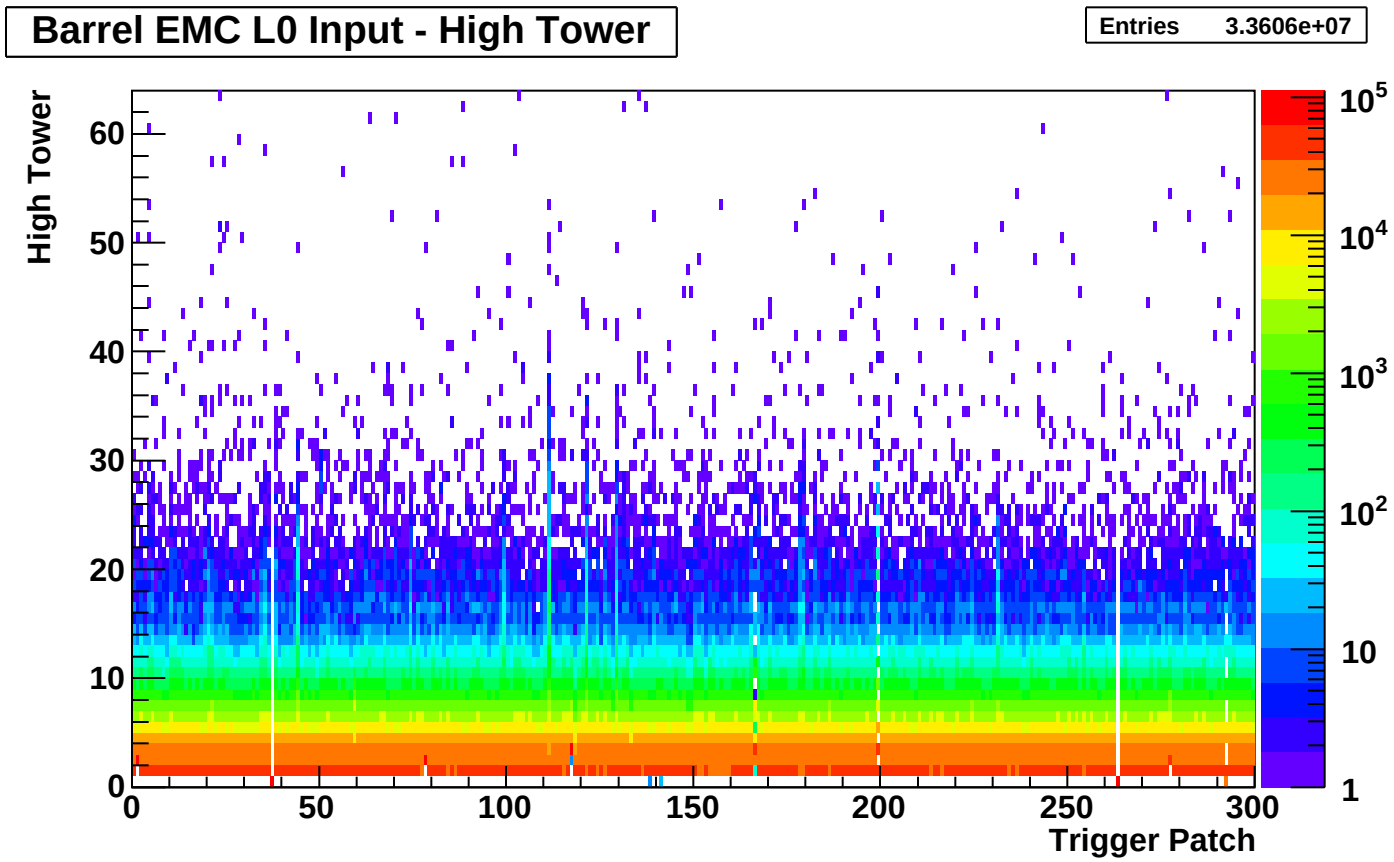

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

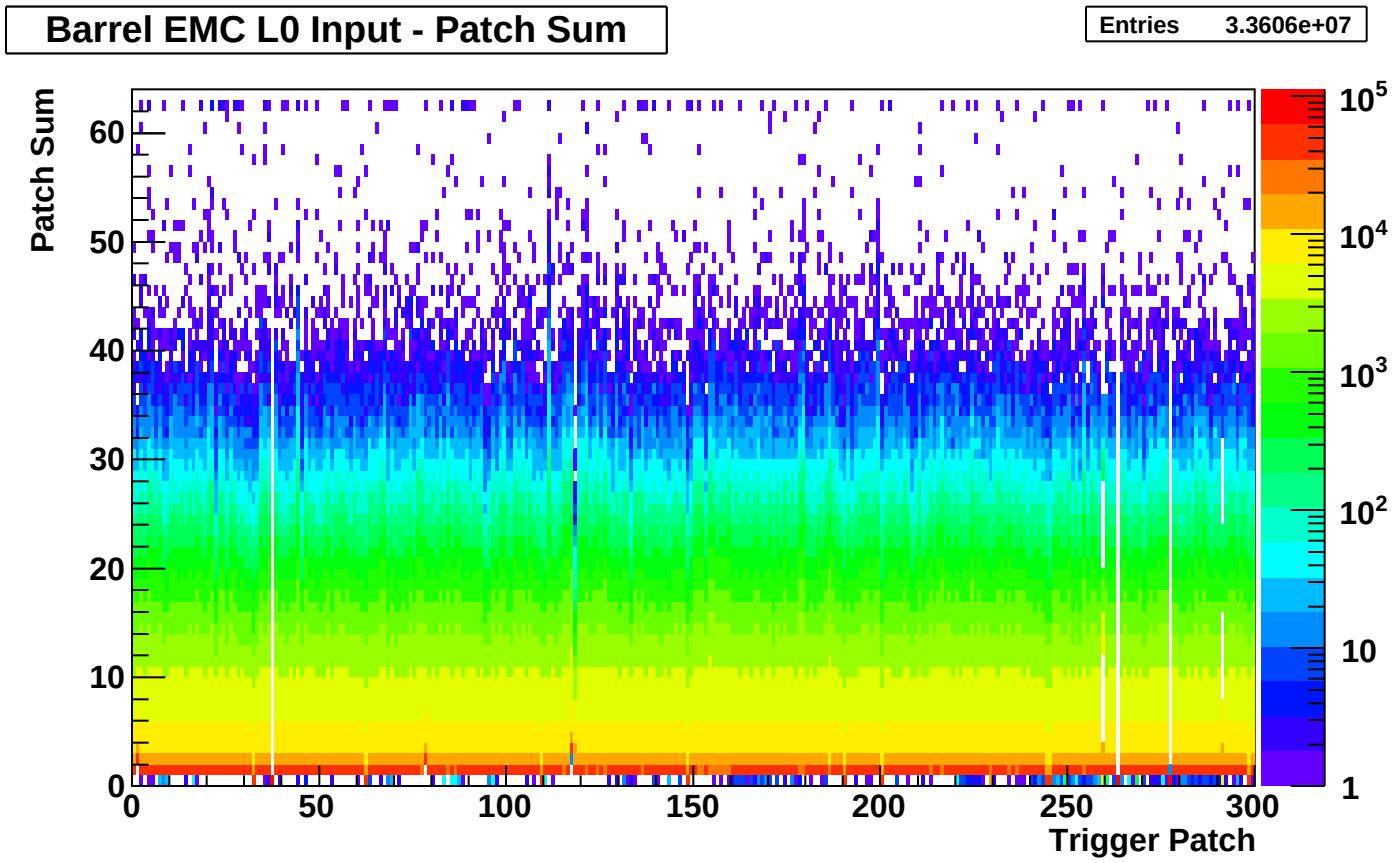

BunchId7Bit (BHT3)
Entries 1326
10
1
0
20
40
60
80
100
120

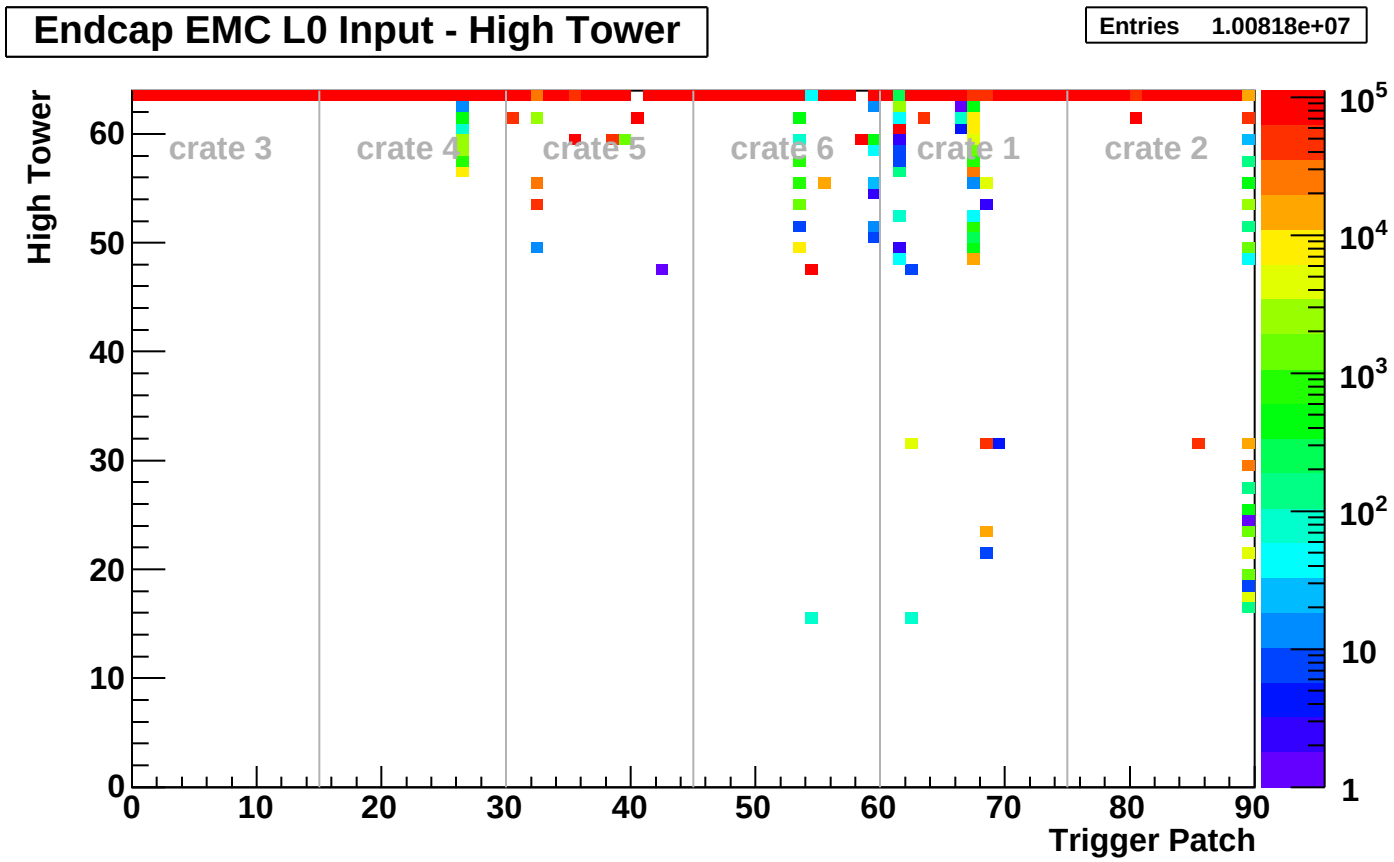

BunchId7Bit (all events)
Entries 112020
$10^3$
$10^2$
10
1
0
20
40
60
80
100
120

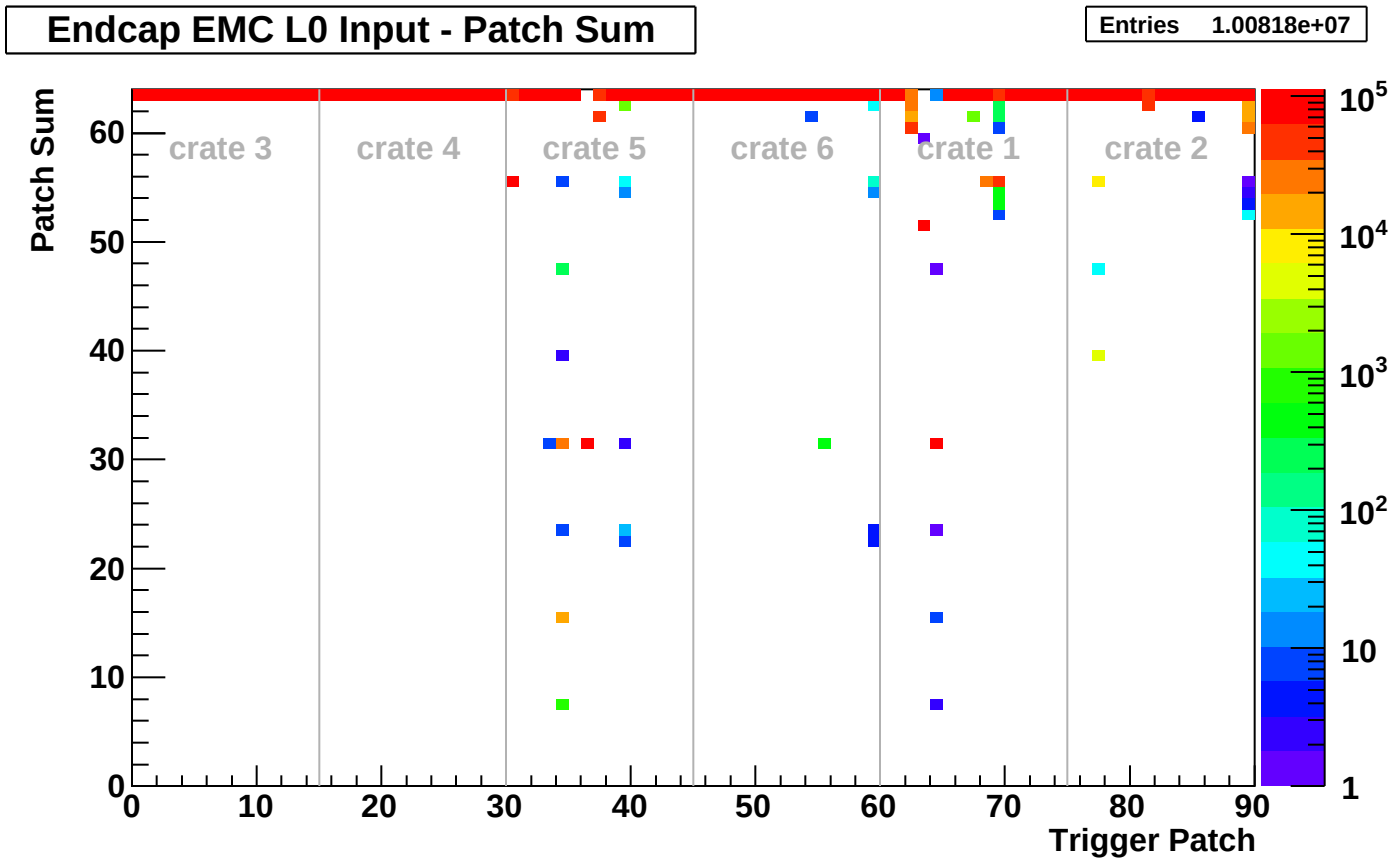

BunchId7Bit (JP1)
Entries 112020
$10^3$
$10^2$
10
1
0
20
40
60
80
100
120

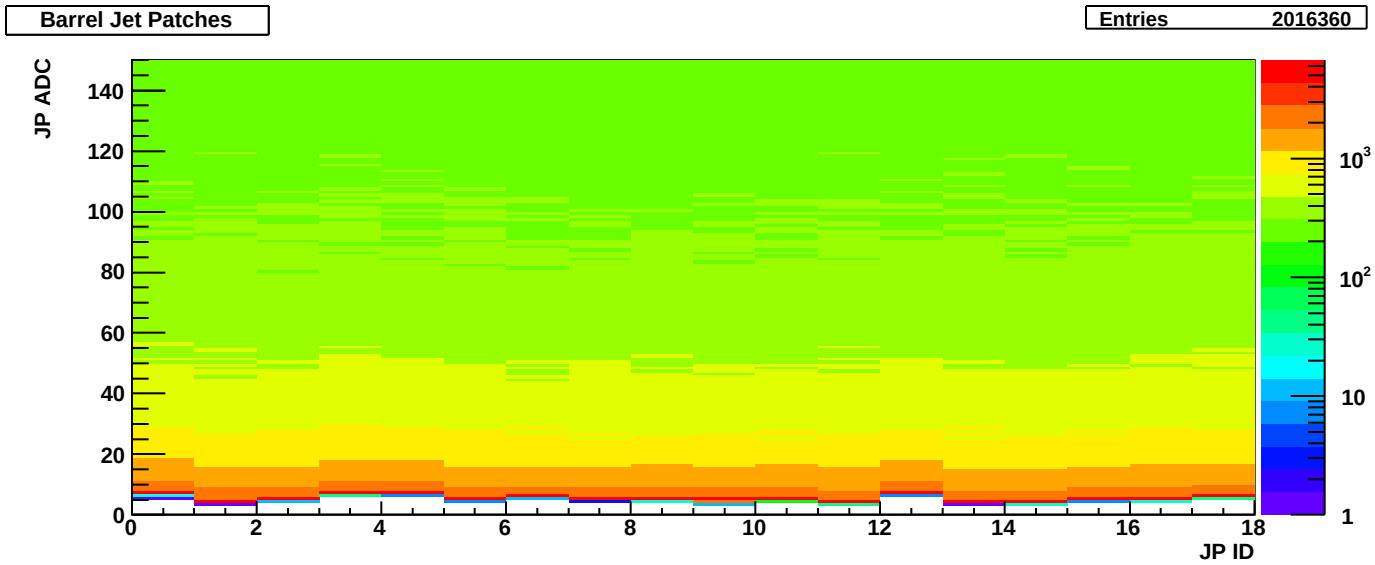

BunchId7Bit (JP2||AJP)
Entries 112020
$10^3$
$10^2$
10
1
0
20
40
60
80
100
120

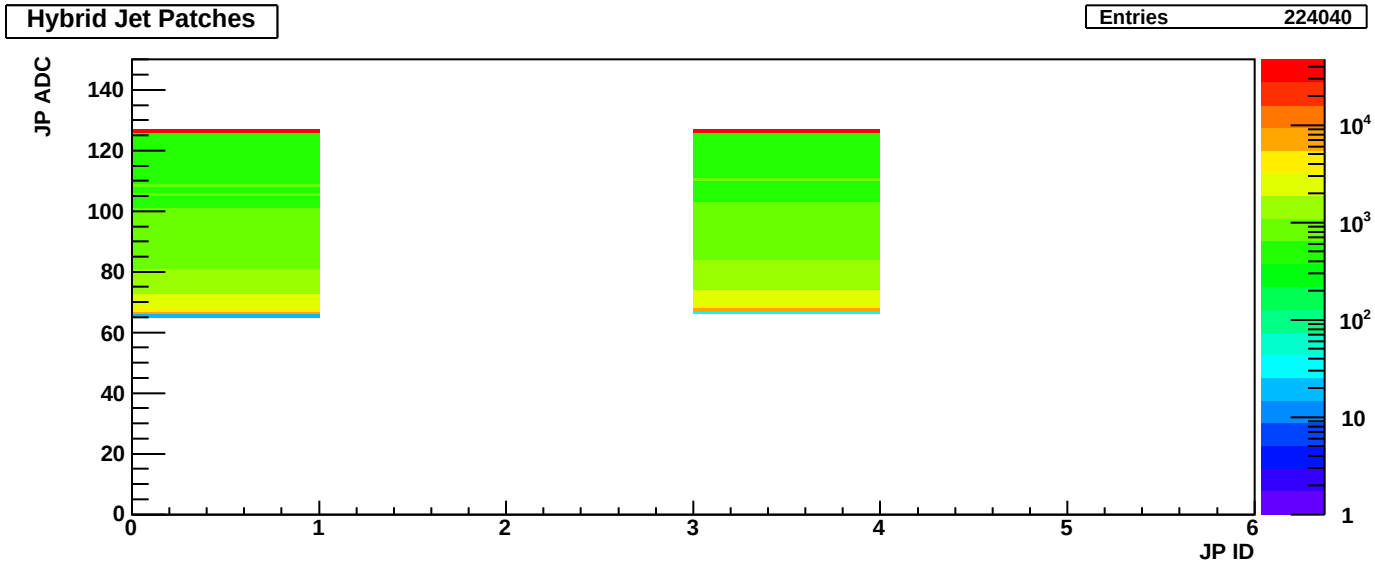

Barrel EMC L0 Input - High Tower
Entries 3.3606e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$
$10^5$

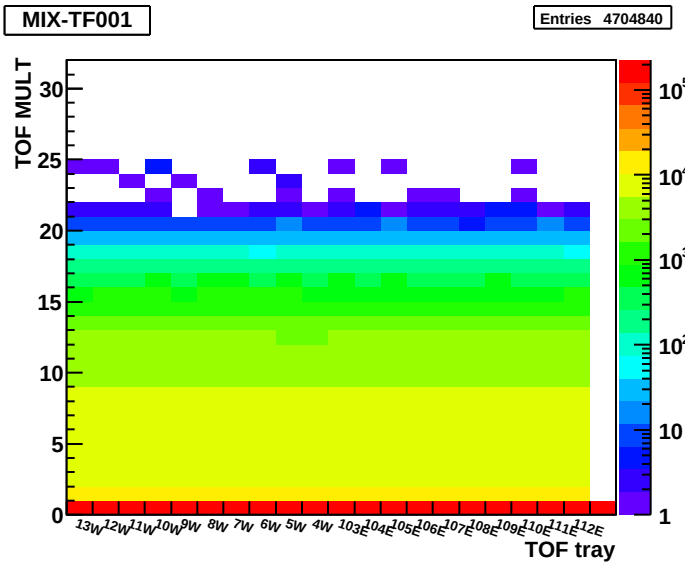

Barrel EMC L0 Input - Patch Sum
Entries 3.3606e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$
$10^5$

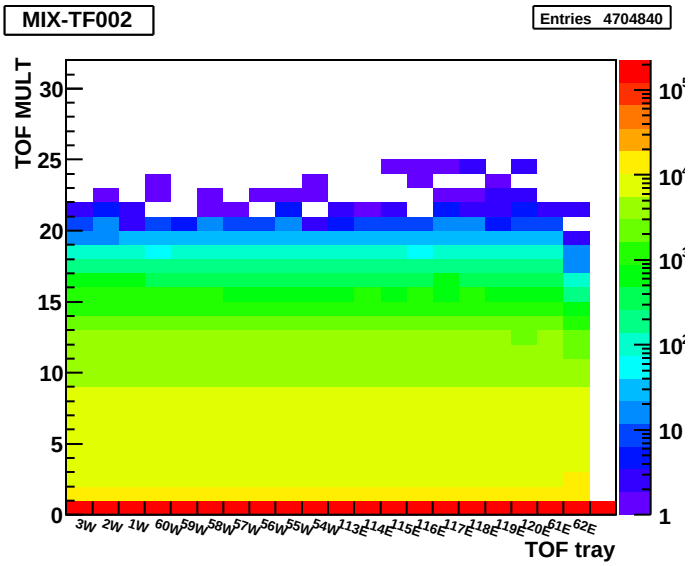

Endcap EMC L0 Input - High Tower
Entries 1.00818e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

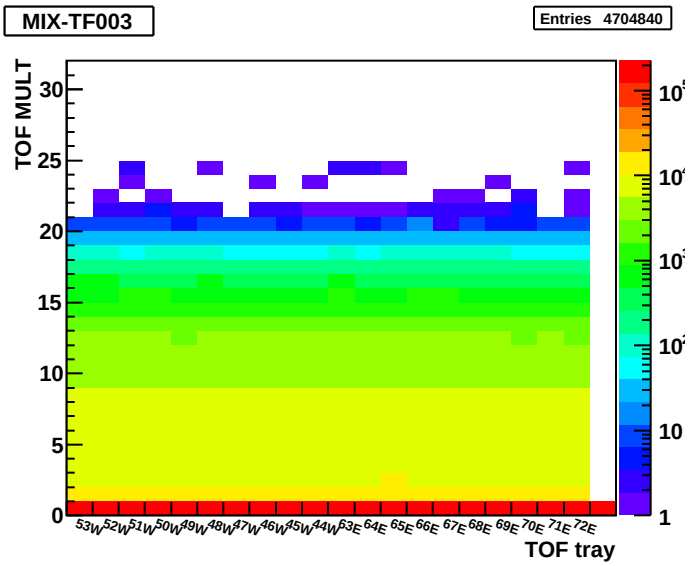

Endcap EMC L0 Input - Patch Sum
Entries 1.00818e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

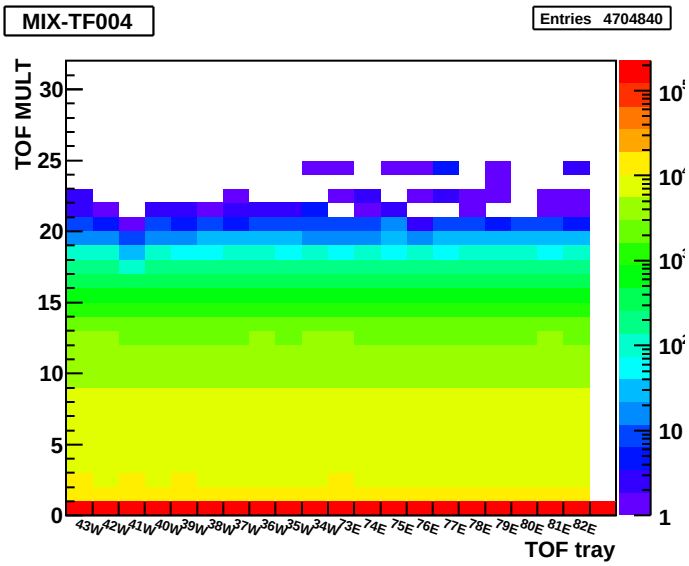

Barrel Jet Patches
Entries 2016360
JP ADC
JP ID

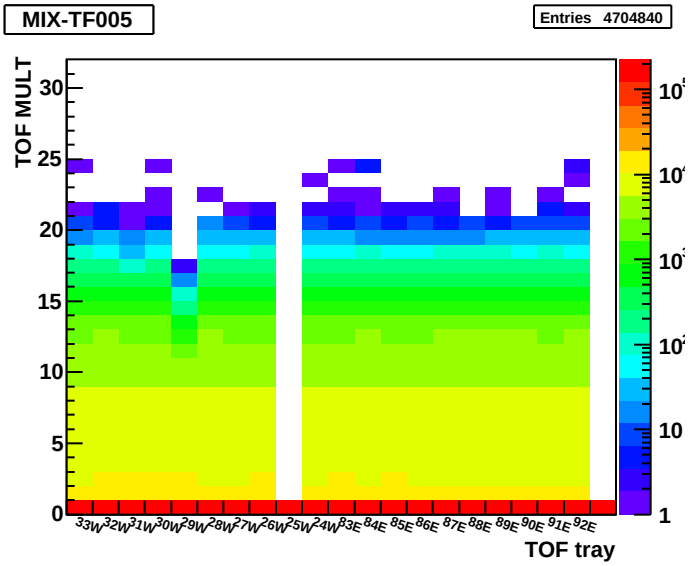

Hybrid Jet Patches
Entries 224040
JP ADC
JP ID

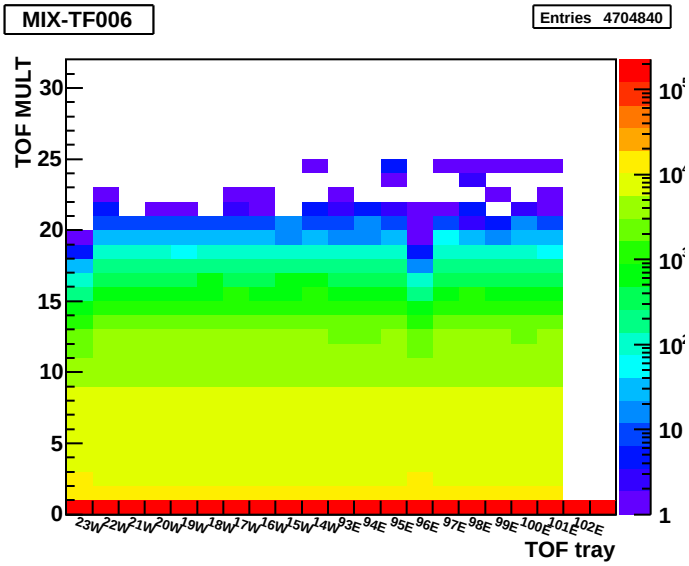

MIX-TF001
Entries 4704840
TOF MULT
TOF tray

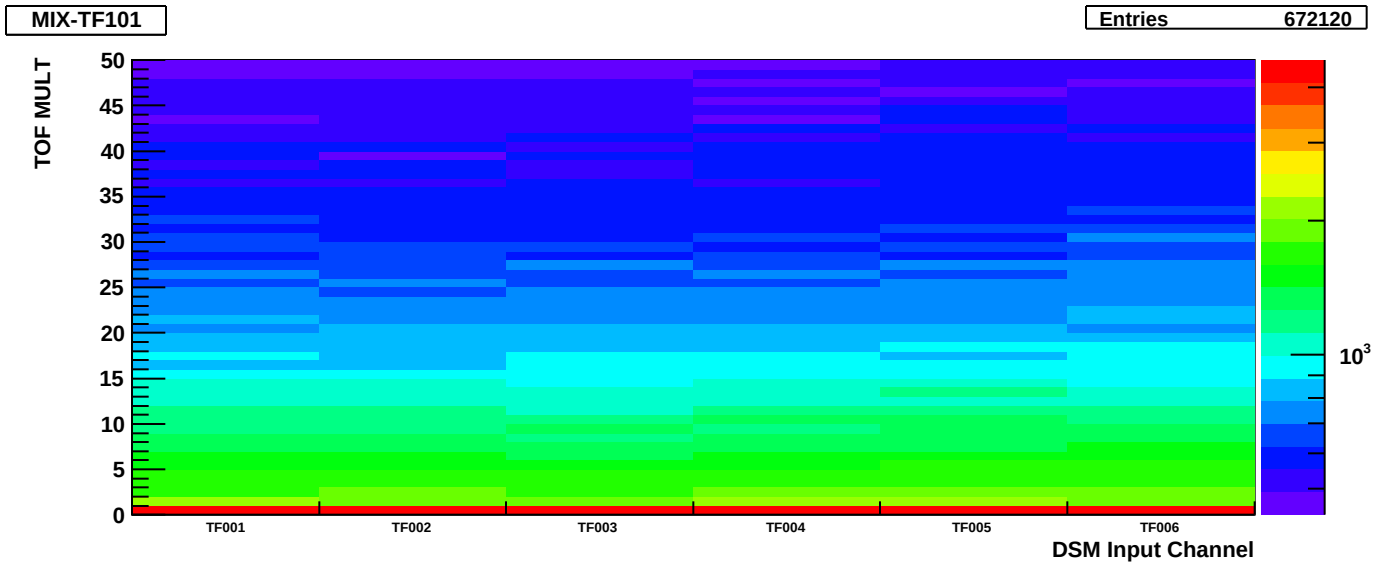

MIX-TF002
Entries 4704840
TOF MULT
TOF tray

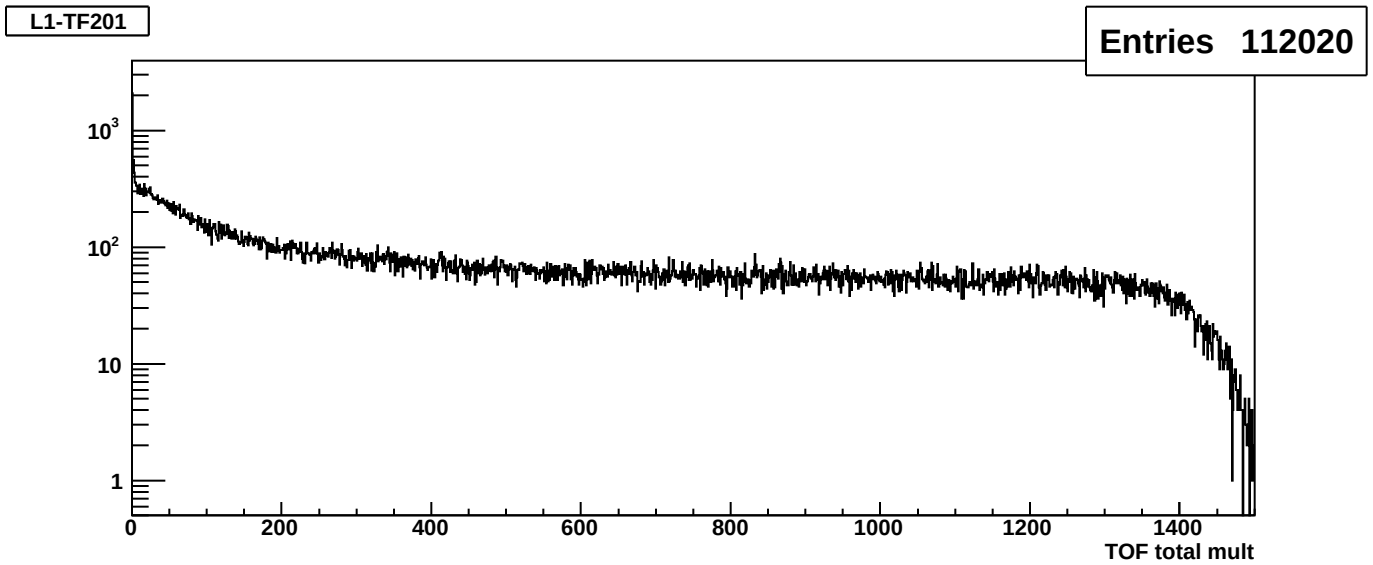

MIX-TF003
Entries 4704840
TOF MULT
TOF tray

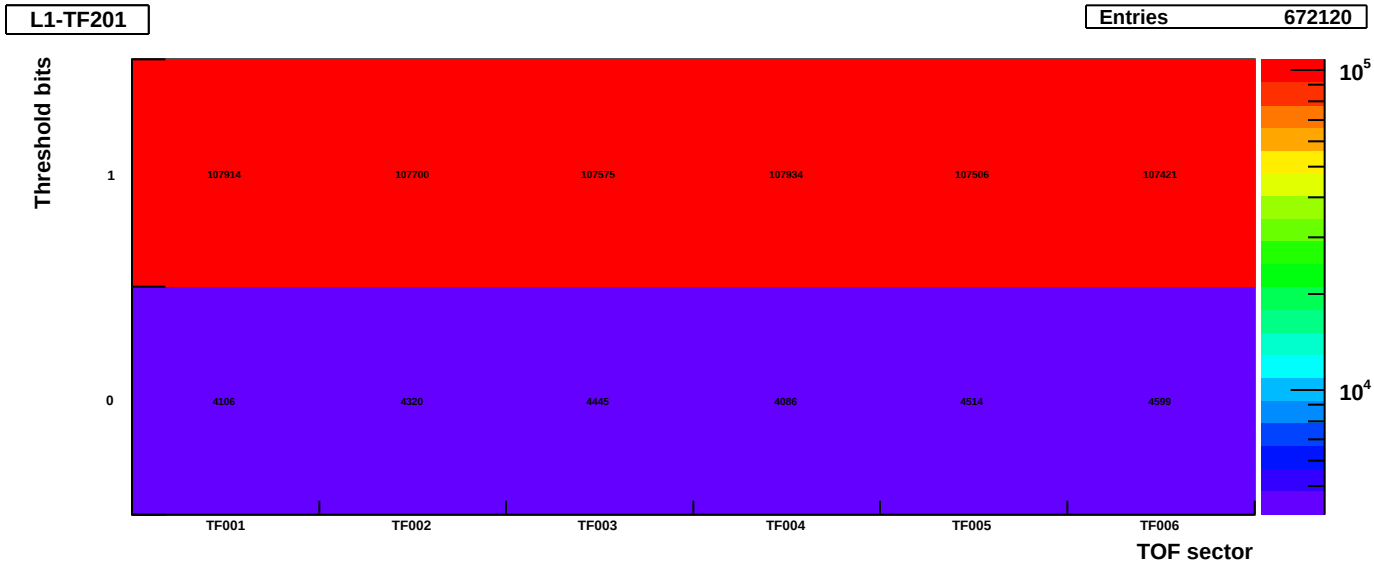

MIX-TF004
Entries 4704840
TOF MULT
TOF tray

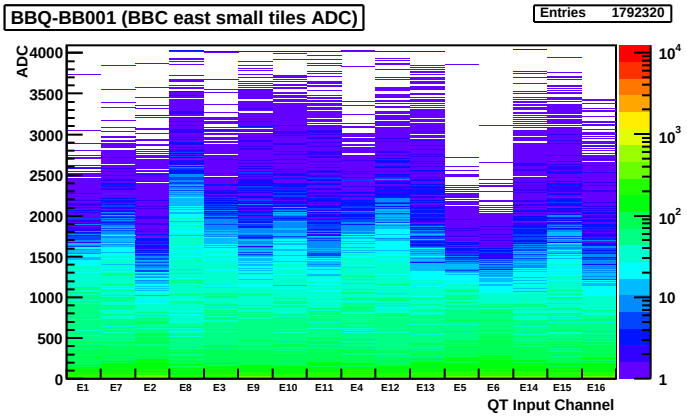

MIX-TF005
Entries 4704840
TOF MULT
TOF tray

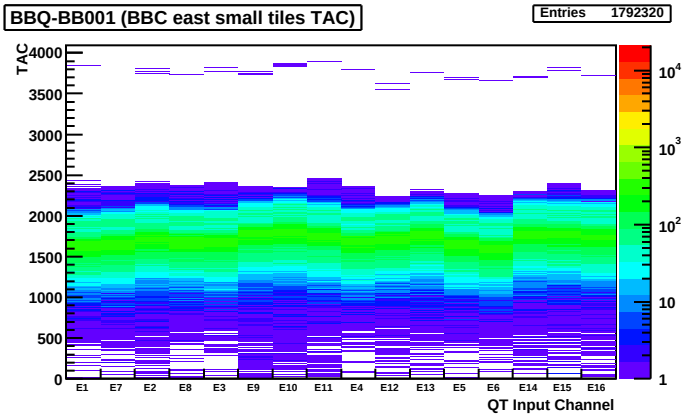

MIX-TF006
Entries 4704840
TOF MULT
TOF tray

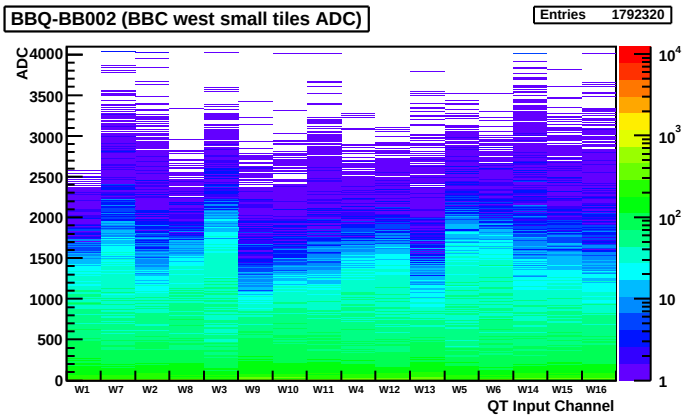

MIX-TF101
Entries 672120
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
$10^3$

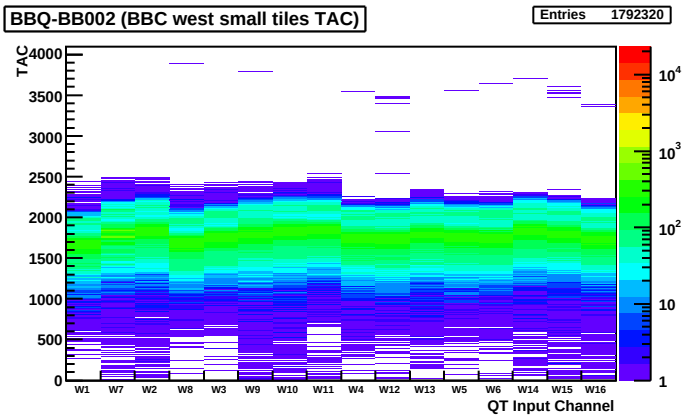

L1-TF201
Entries 112020
$10^3$
$10^2$
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

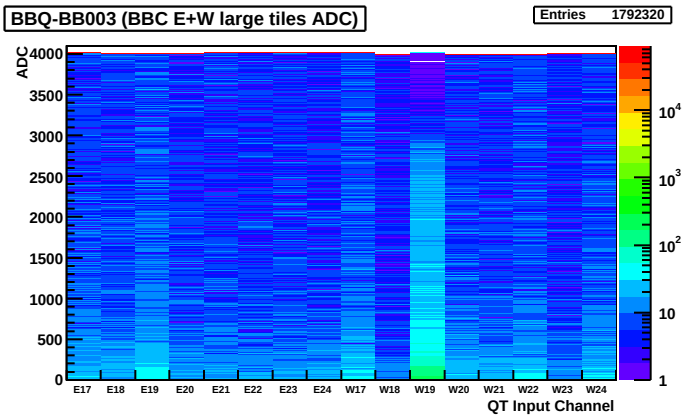

L1-TF201
Entries 672120
Threshold bits
1
0
107914
107700
107575
107934
107506
107421
4106
4320
4445
4086
4514
4599
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
$10^5$
$10^4$

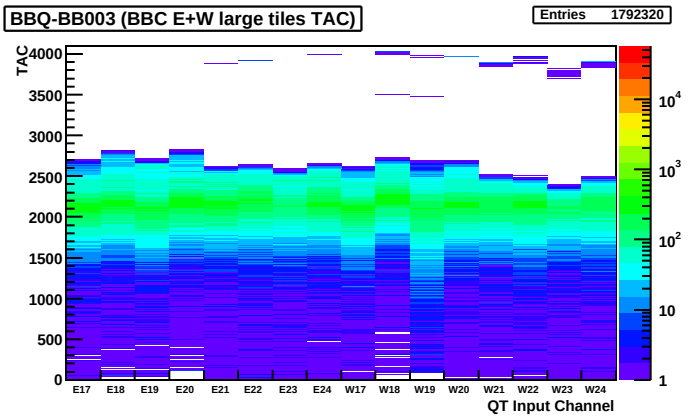

BBQ-BB001 (BBC east small tiles ADC)
Entries 1792320
ADC
QT Input Channel

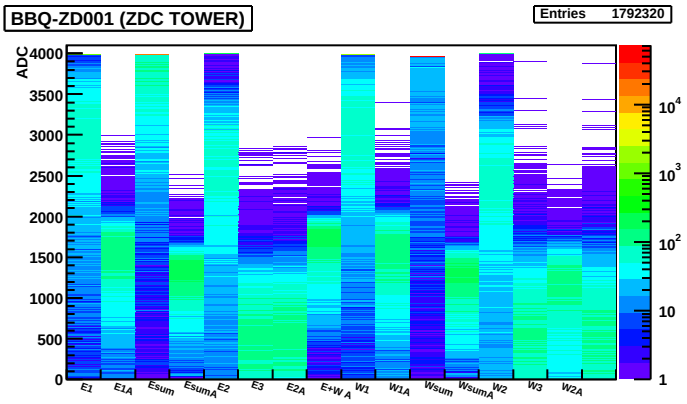

BBQ-BB001 (BBC east small tiles TAC)
Entries 1792320
TAC
QT Input Channel

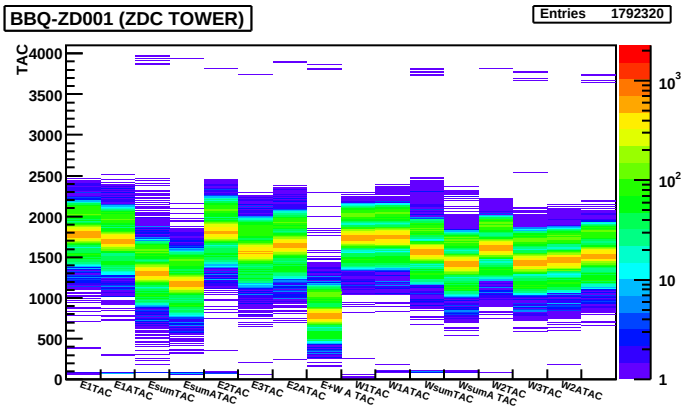

BBQ-BB002 (BBC west small tiles ADC)
Entries 1792320
ADC
QT Input Channel

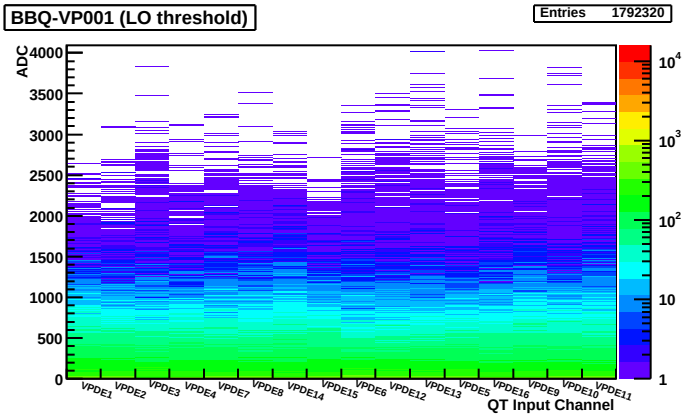

BBQ-BB002 (BBC west small tiles TAC)
Entries 1792320
TAC
QT Input Channel

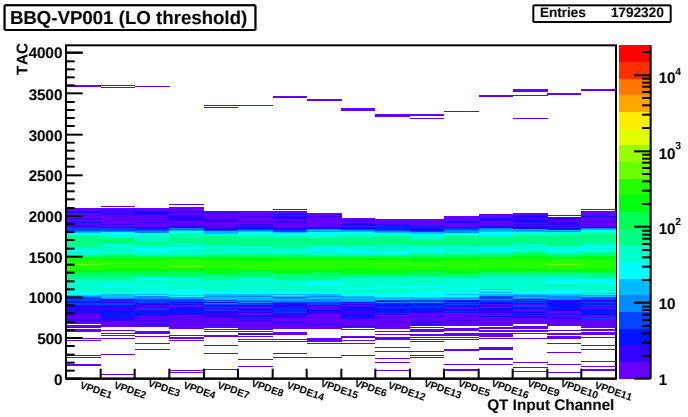

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1792320
ADC
QT Input Channel

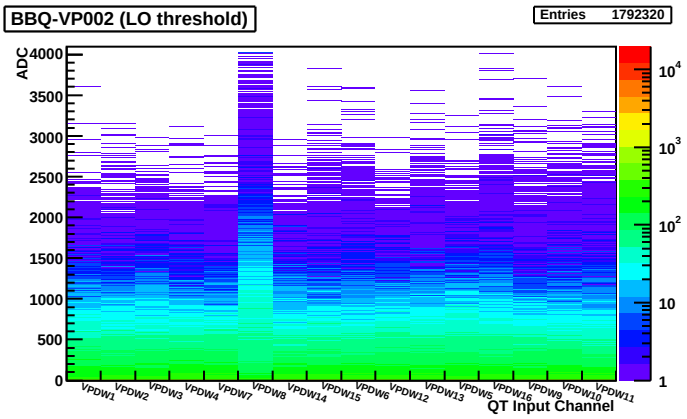

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1792320
TAC
QT Input Channel

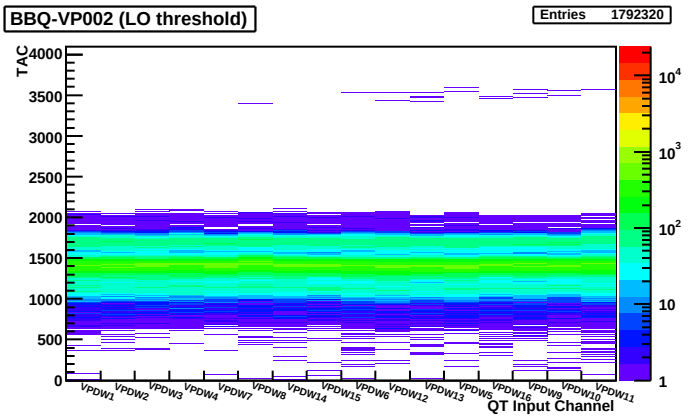

BBQ-ZD001 (ZDC TOWER)
Entries 1792320
ADC

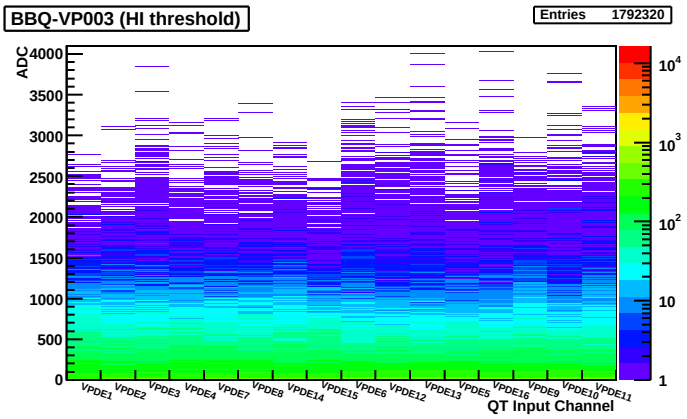

BBQ-ZD001 (ZDC TOWER)
Entries 1792320
TAC

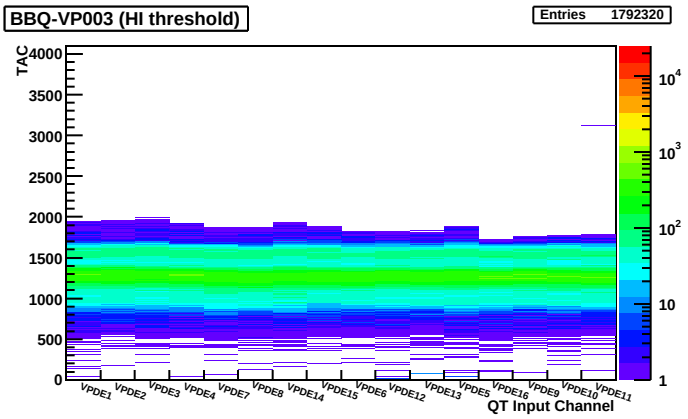

BBQ-VP001 (LO threshold)
Entries 1792320
ADC
QT Input Channel

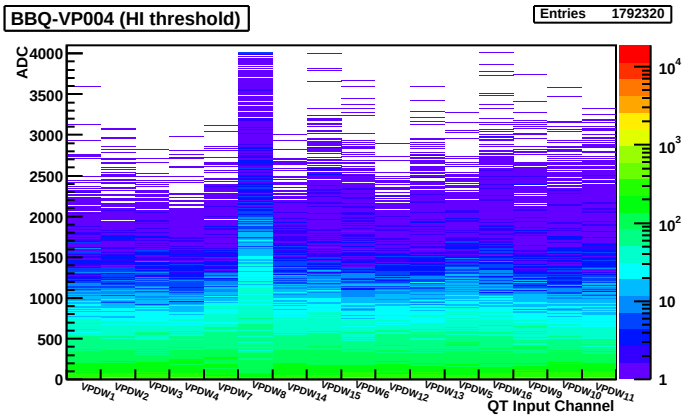

BBQ-VP001 (LO threshold)
Entries 1792320
TAC
QT Input Channel

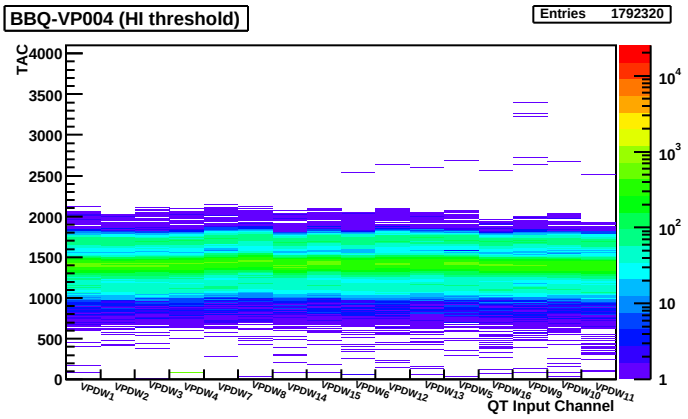

BBQ-VP002 (LO threshold)
Entries 1792320
ADC
QT Input Channel

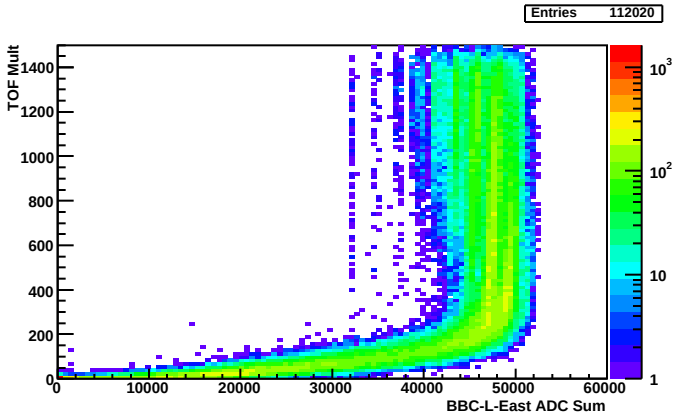

BBQ-VP002 (LO threshold)
Entries 1792320
TAC
QT Input Channel

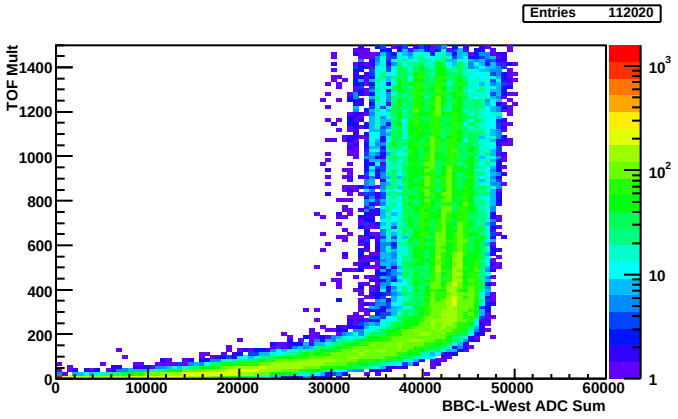

BBQ-VP003 (HI threshold)
Entries 1792320
ADC
QT Input Channel

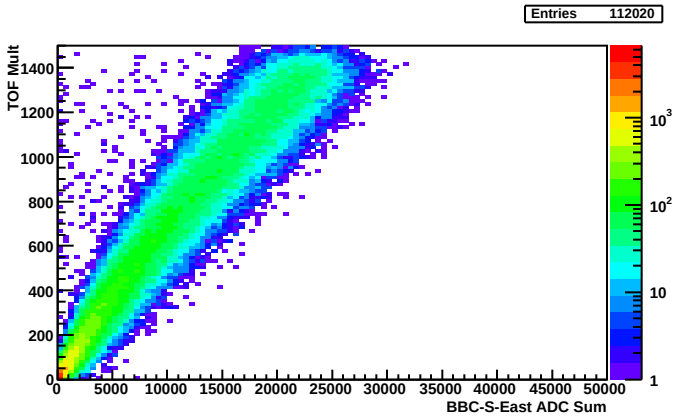

BBQ-VP003 (HI threshold)
Entries 1792320
TAC
QT Input Channel

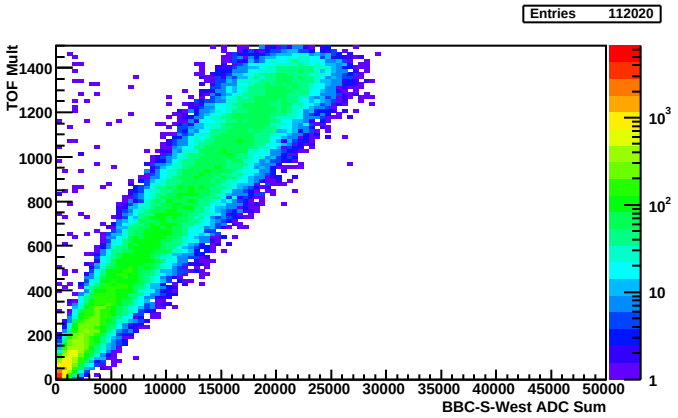

BBQ-VP004 (HI threshold)
Entries 1792320
ADC
QT Input Channel

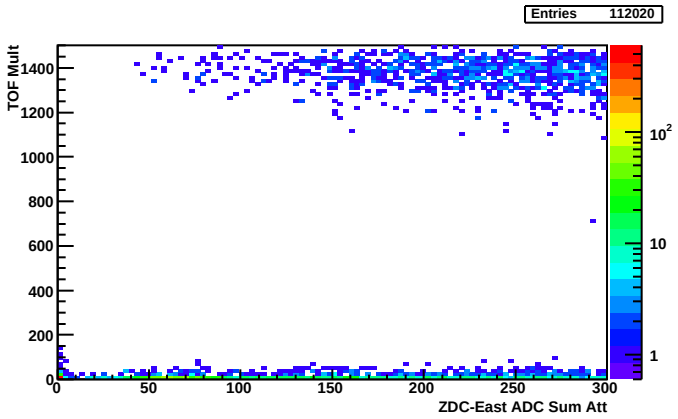

BBQ-VP004 (HI threshold)
Entries 1792320
TAC
QT Input Channel

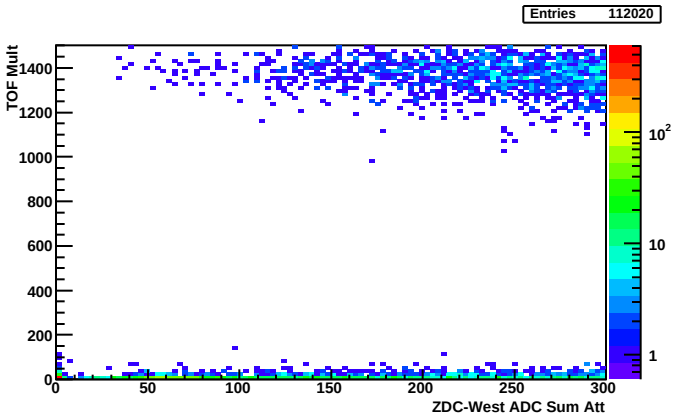

Entries 112020
TOF Mult
BBC-L-East ADC Sum

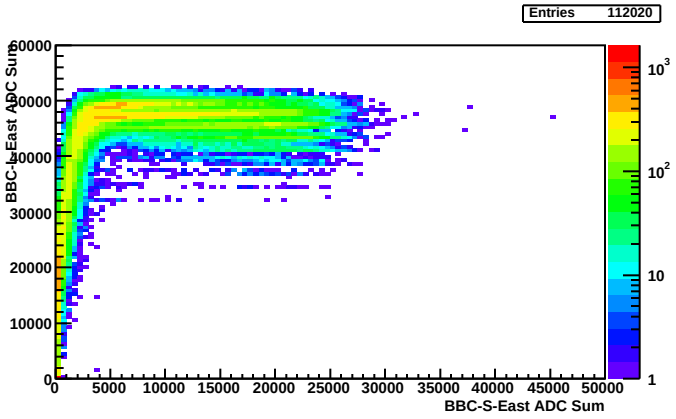

Entries 112020
TOF Mult
BBC-L-West ADC Sum

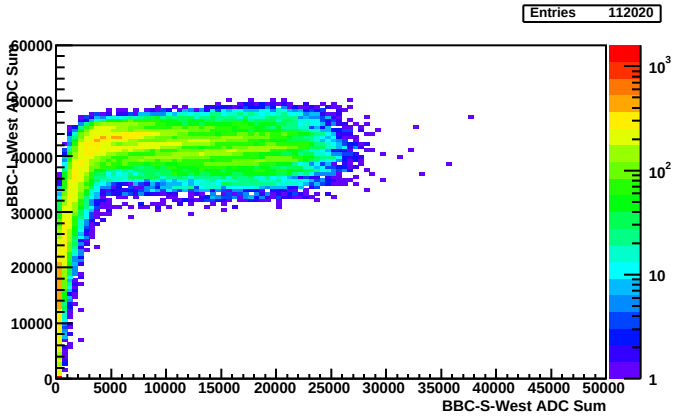

Entries 112020
TOF Mult
BBC-S-East ADC Sum

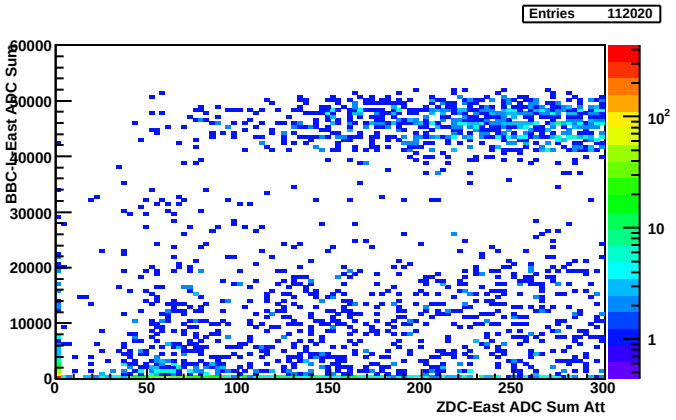

Entries 112020
TOF Mult
BBC-S-West ADC Sum

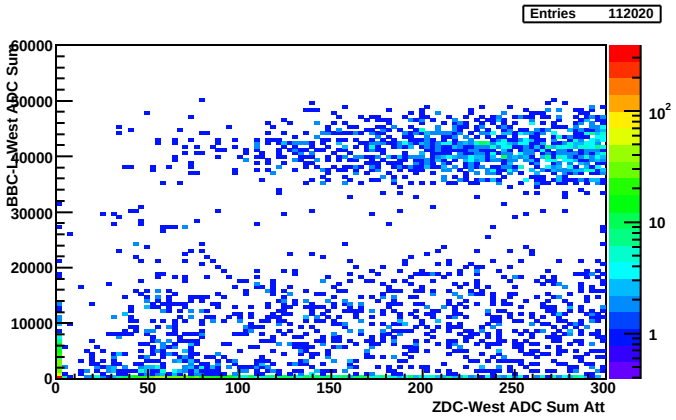

Entries 112020
TOF Mult
ZDC-East ADC Sum Att


Entries 112020
TOF Mult
ZDC-West ADC Sum Att


Entries 112020
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 112020
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 112020
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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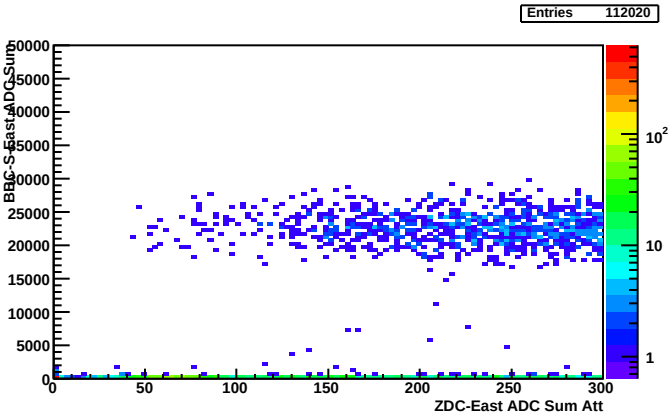
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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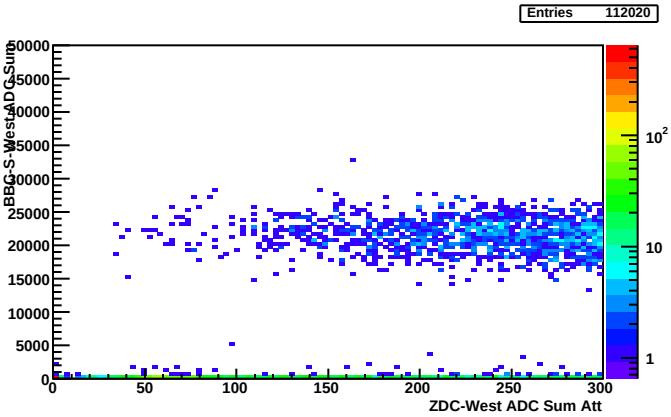
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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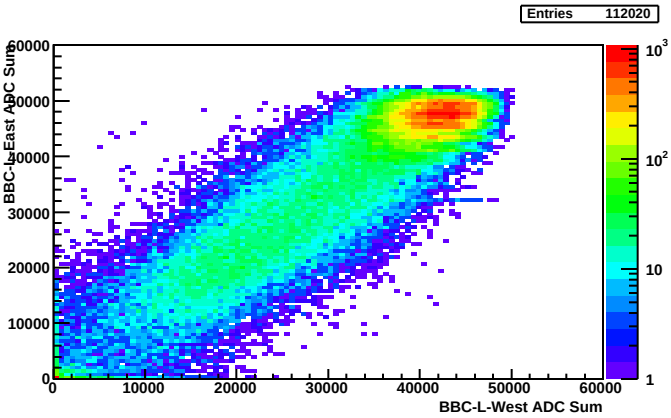
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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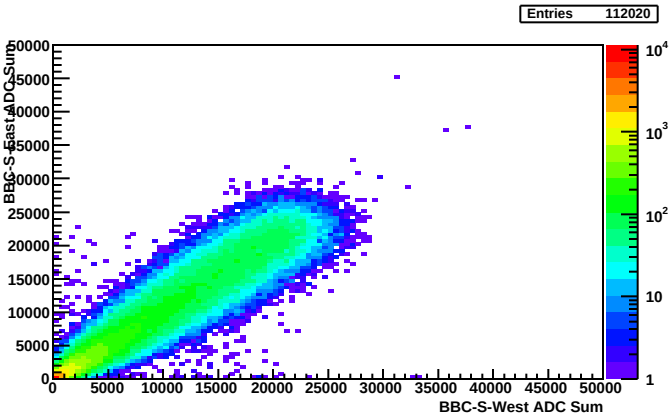
BBC-L-East ADC Sum
BBC-L-West ADC Sum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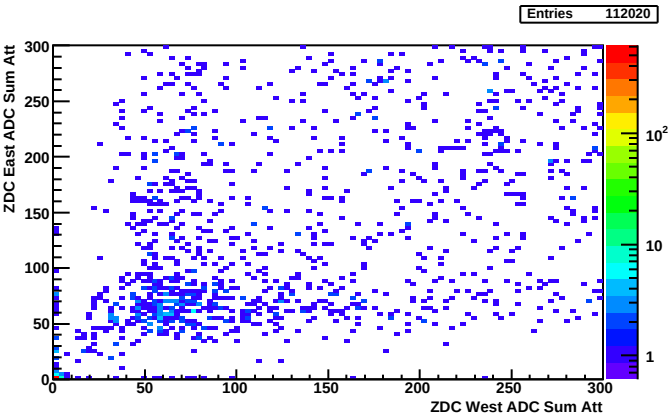
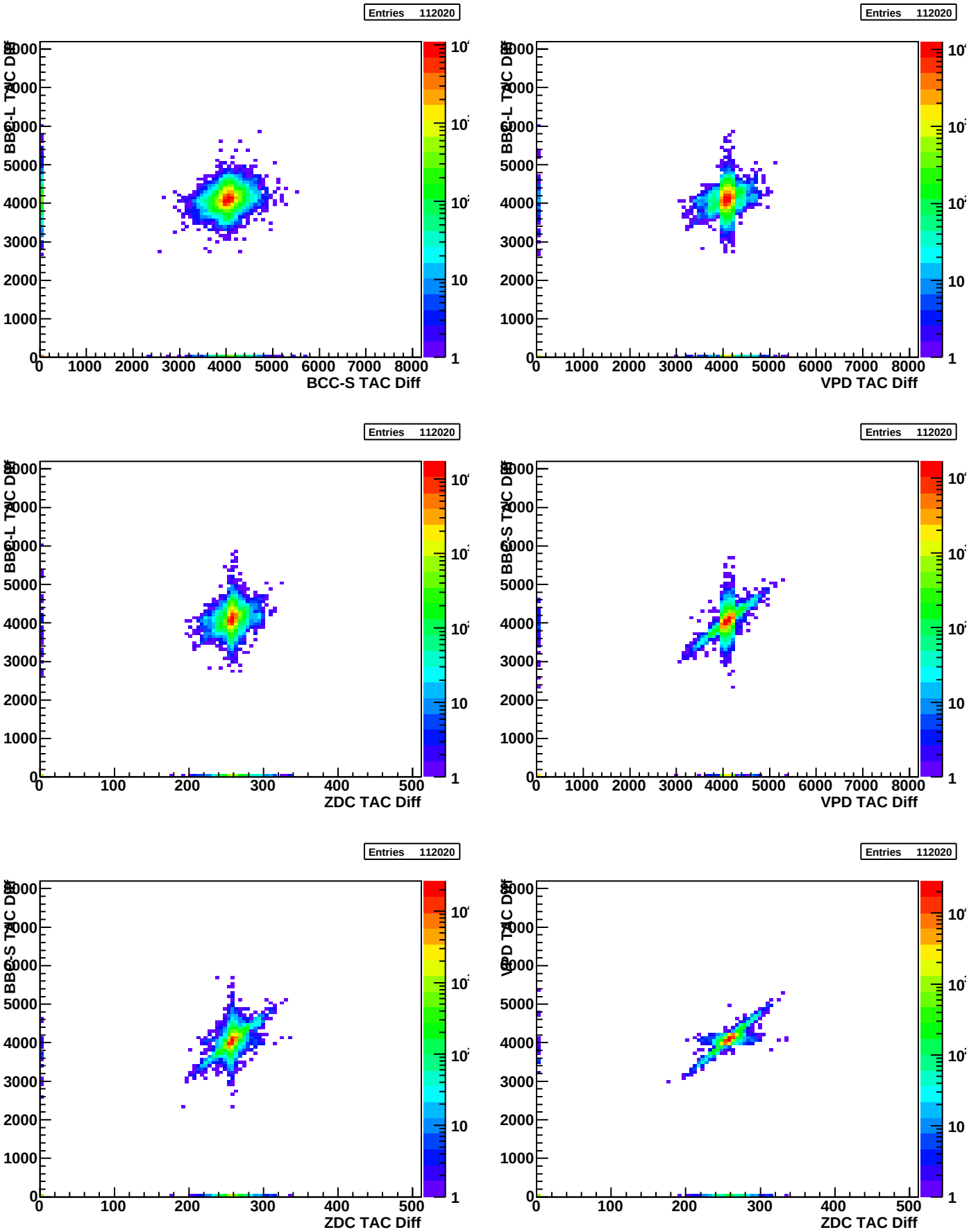
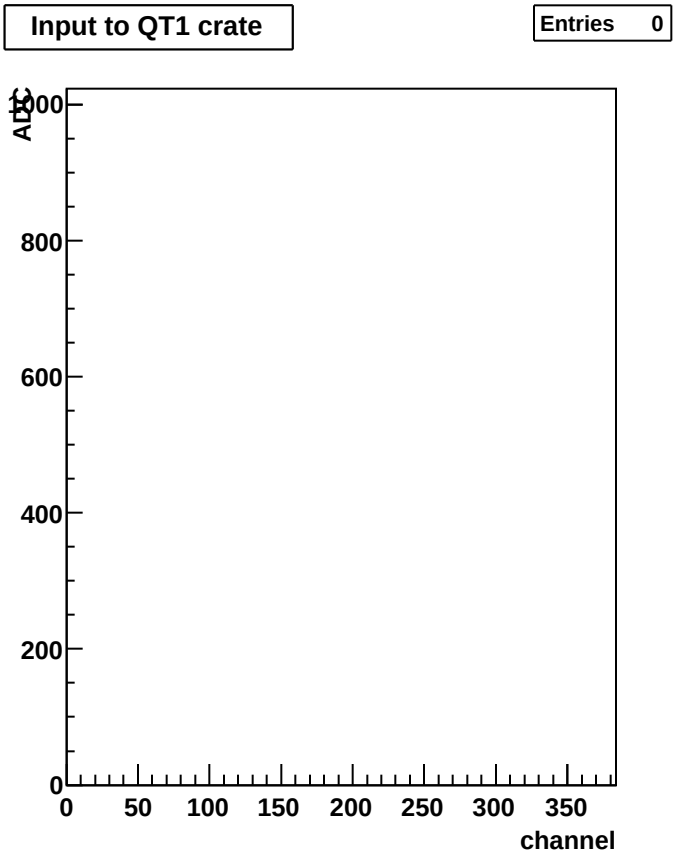
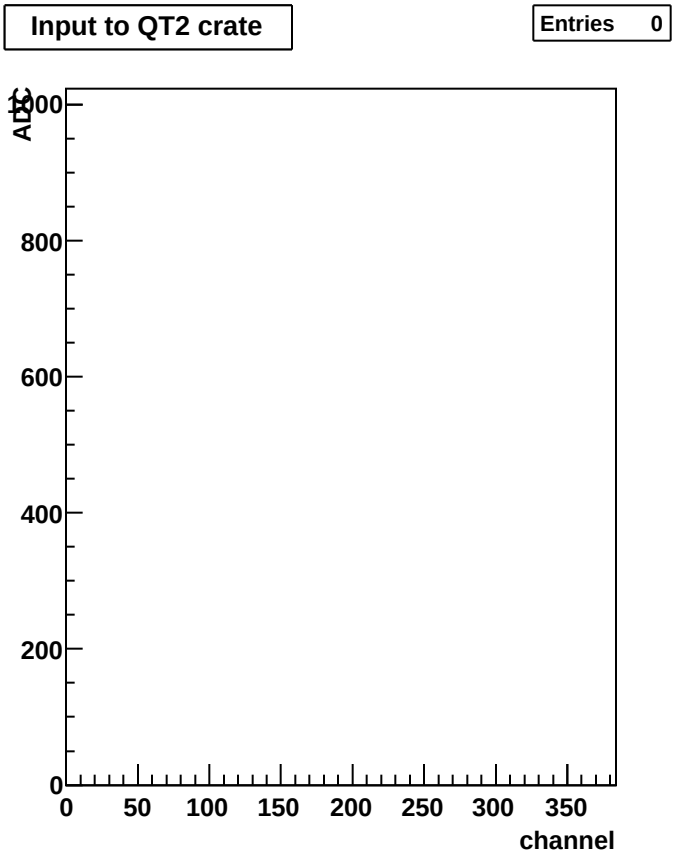
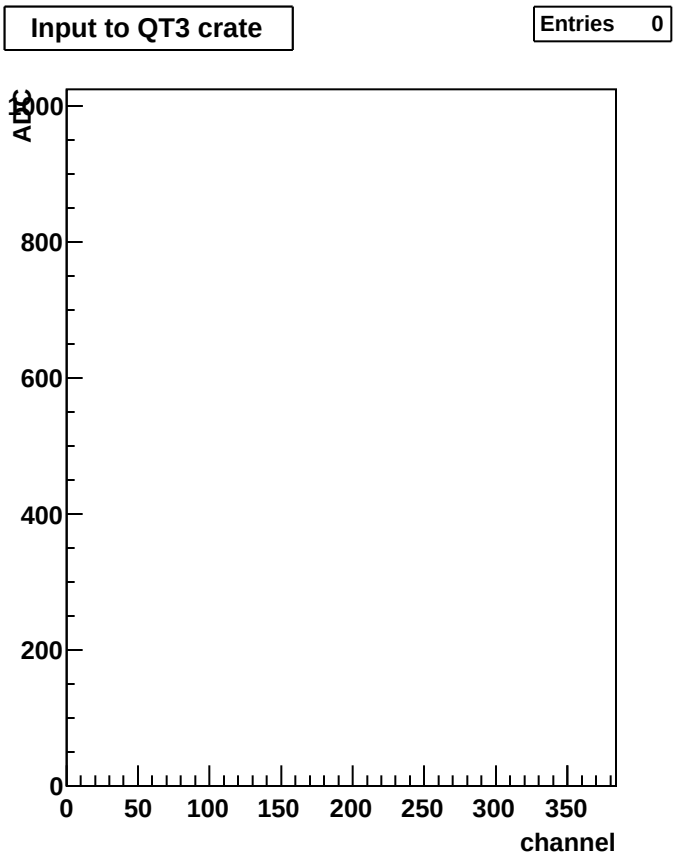
BBC-S-East ADC Sum
BBC-S-West ADC Sum

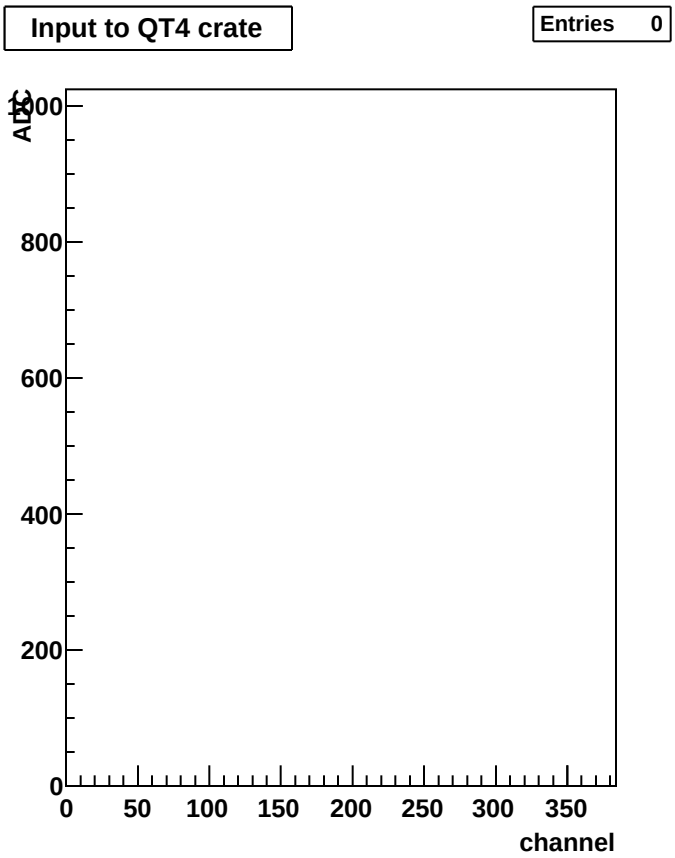

Entries 112020
ZDC East ADC Sum Att
ZDC West ADC Sum Att

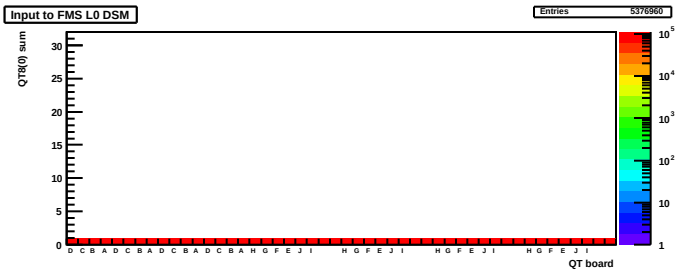

Entries 112020
BBC-L TAC Diff
BCC-S TAC Diff
Entries 112020
BBC-L TAC Diff
VPD TAC Diff
Entries 112020
BBC-L TAC Diff
ZDC TAC Diff
Entries 112020
BBC-S TAC Diff
VPD TAC Diff
Entries 112020
BBC-S TAC Diff
ZDC TAC Diff
Entries 112020
VPD TAC Diff
ZDC TAC Diff

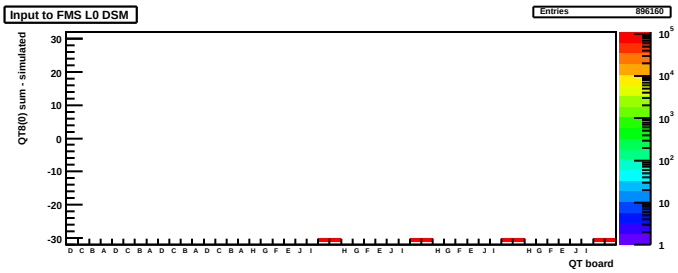

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

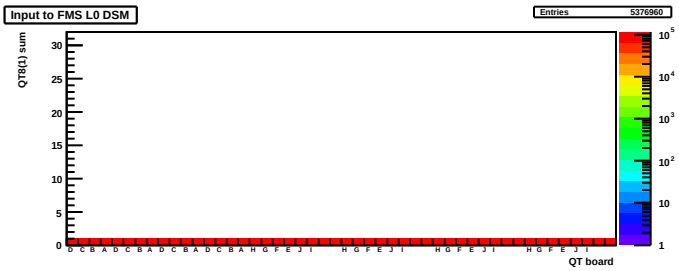

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

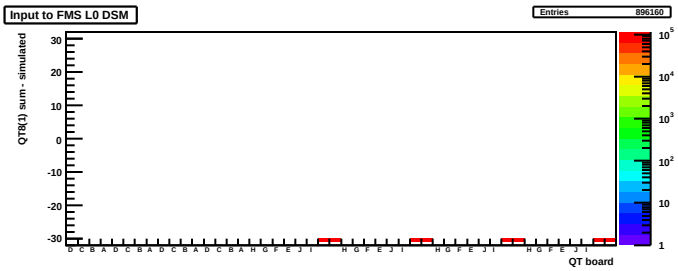

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

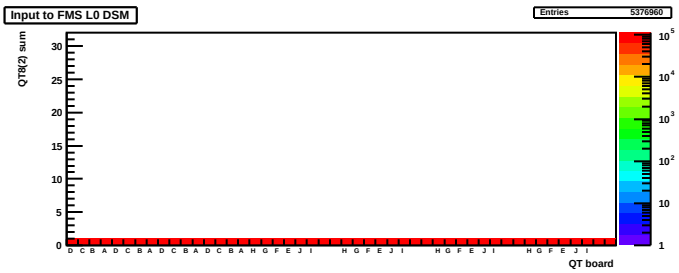

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

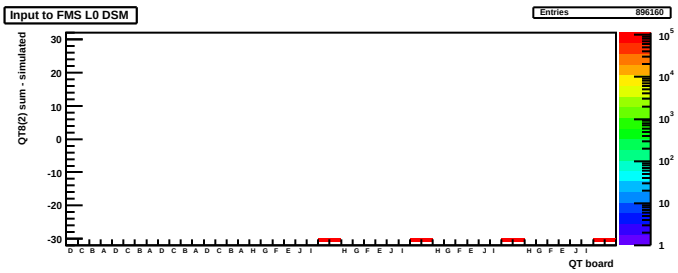

Input to FMS L0 DSM
Entries 5376960
QT8(0) sum
QT board

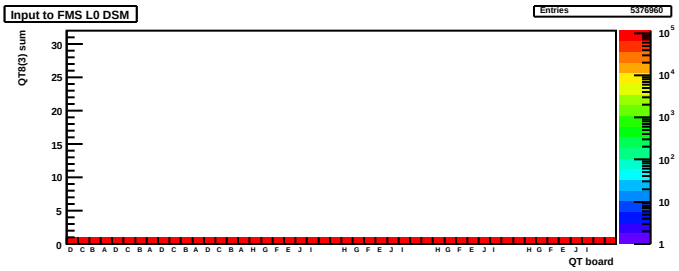

Input to FMS L0 DSM
Entries 896160
QT8(0) sum - simulated
QT board

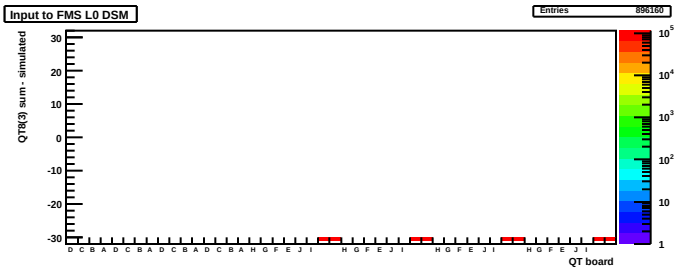

Input to FMS L0 DSM
Entries 5376960
QT8(1) sum
QT board

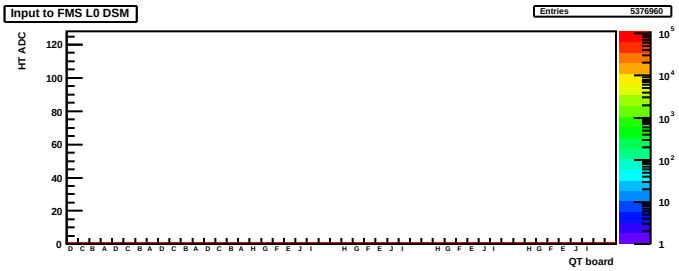

Input to FMS L0 DSM
Entries 896160
QT8(1) sum - simulated
QT board

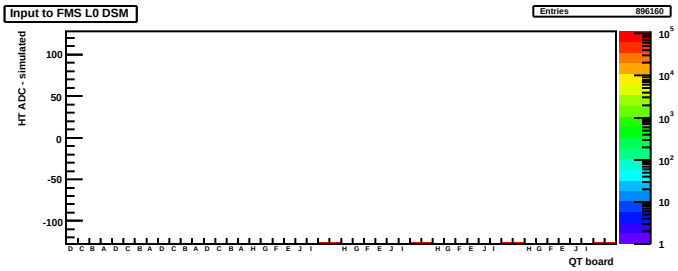

Input to FMS L0 DSM
Entries 5376960
QT8(2) sum
QT board

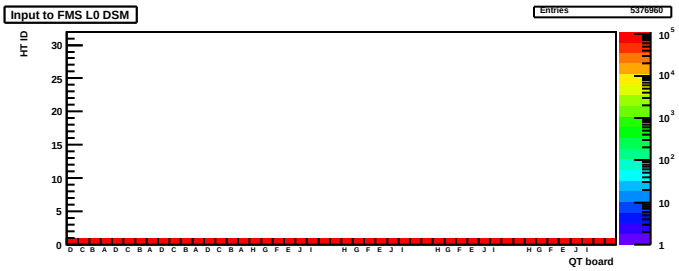

Input to FMS L0 DSM
Entries 896160
QT8(2) sum - simulated
QT board

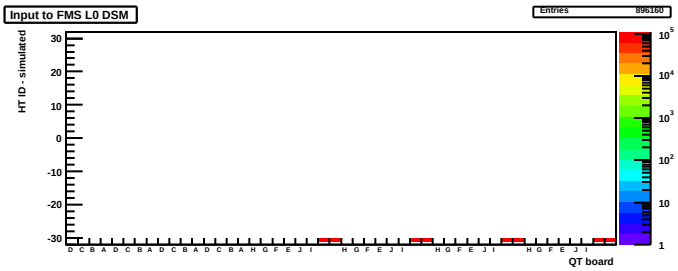

Input to FMS L0 DSM
Entries 5376960
QT8(3) sum
QT board

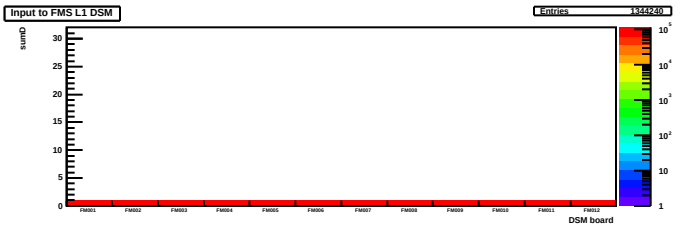

Input to FMS L0 DSM
Entries 896160
QT8(3) sum - simulated
QT board

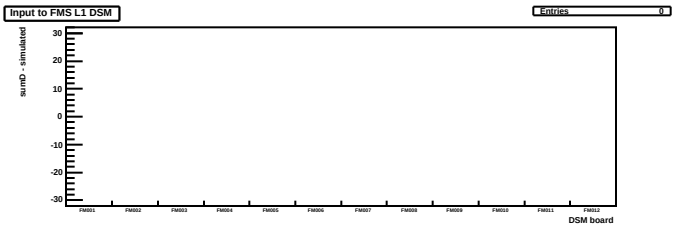

Input to FMS L0 DSM
Entries 5376960
HT ADC
QT board

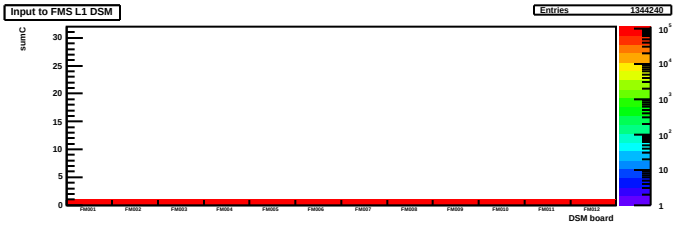

Input to FMS L0 DSM
Entries 896160
HT ADC - simulated
QT board

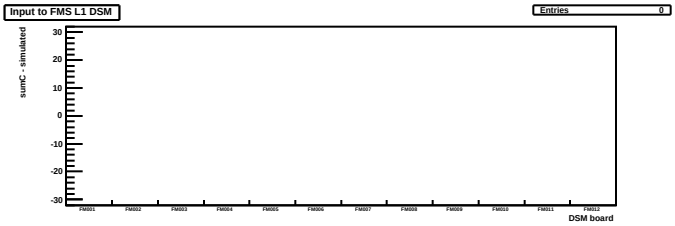

Input to FMS L0 DSM
Entries 5376960
HT ID
QT board

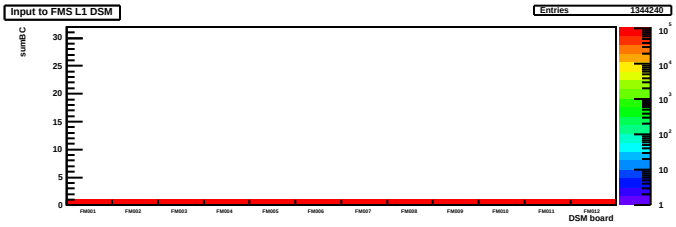

Input to FMS L0 DSM
Entries 896160
HT ID - simulated
QT board

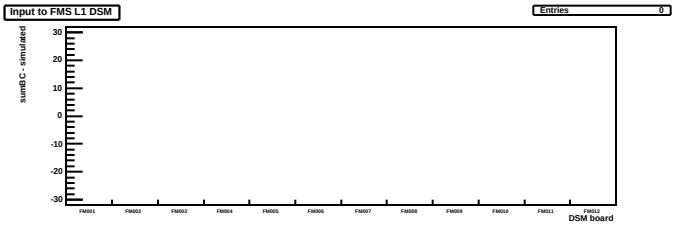

Input to FMS L1 DSM
Entries 1344240
sumD
DSM board

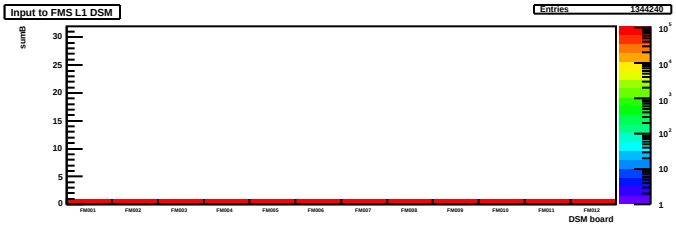

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

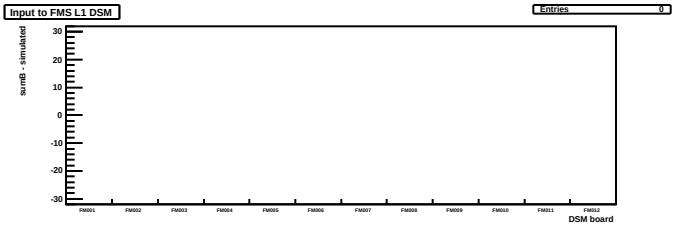

Input to FMS L1 DSM
Entries 1344240
sumC
DSM board

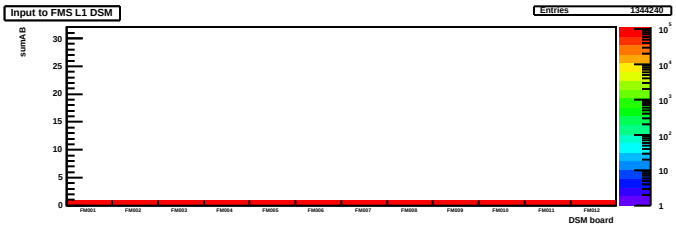

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

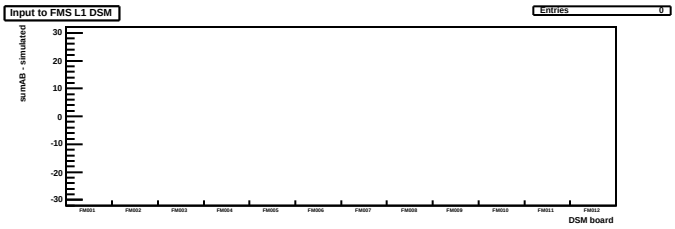

Input to FMS L1 DSM
Entries 1344240
sumBC
DSM board

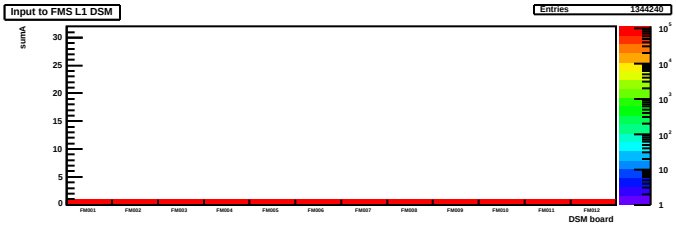

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

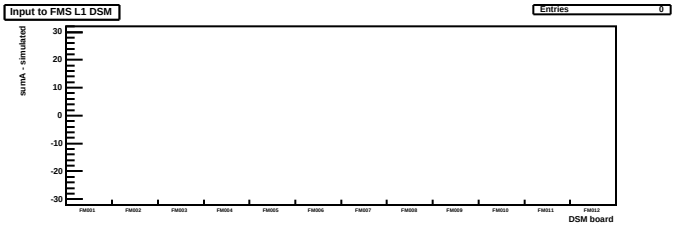

Input to FMS L1 DSM
Entries 1344240
sumB
DSM board

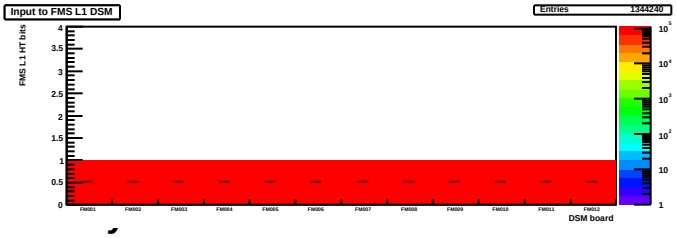

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

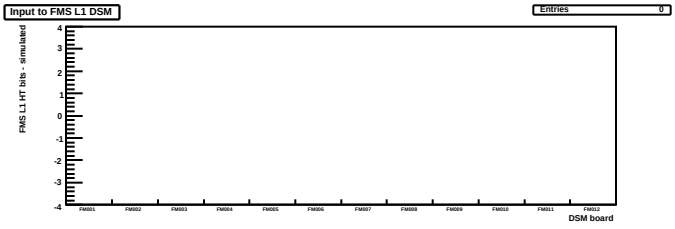

Input to FMS L1 DSM
Entries 1344240
sumAB
DSM board

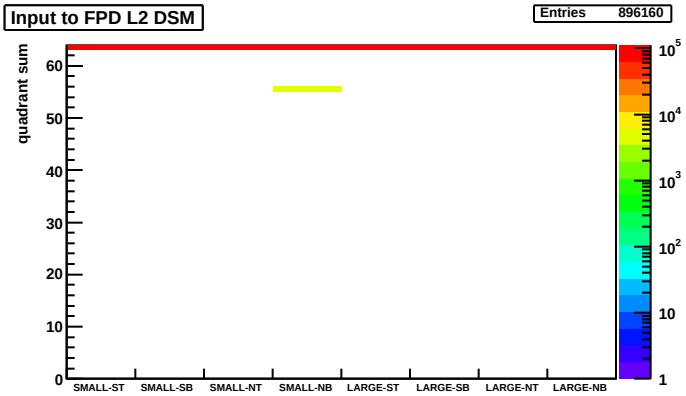

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

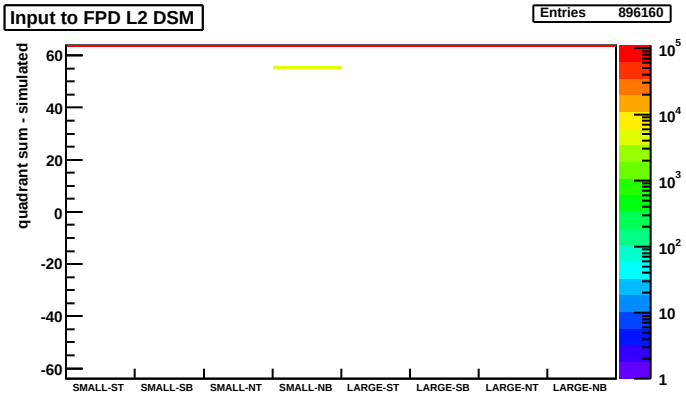

Input to FMS L1 DSM
Entries 1344240
sumA
DSM board

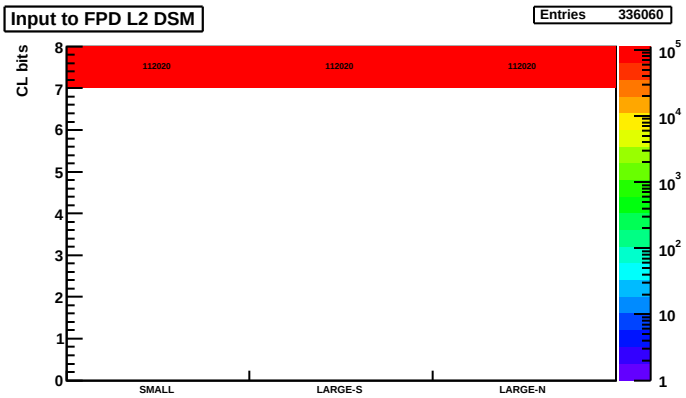

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

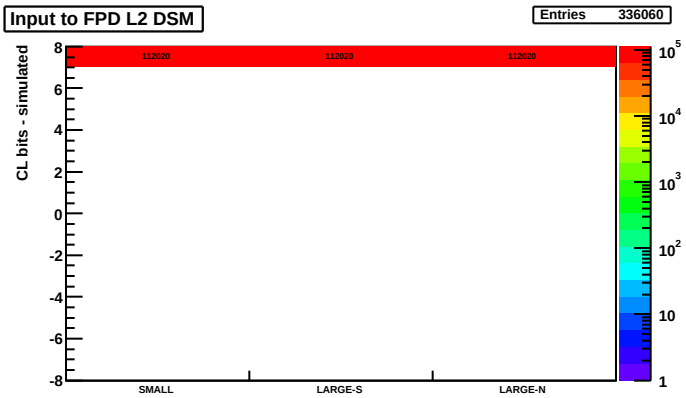

Input to FMS L1 DSM
Entries 1344240
FMS L1 HT bits
DSM board

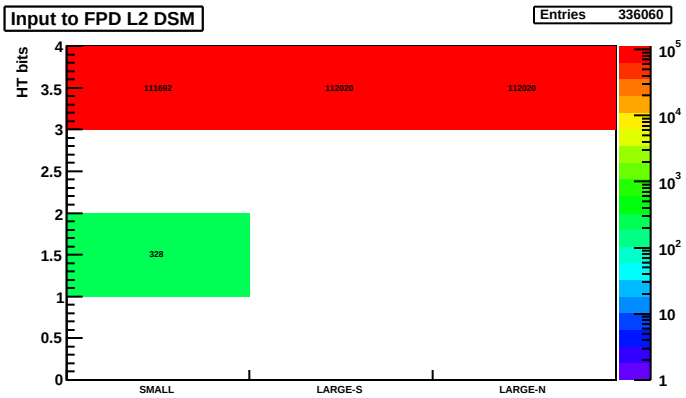

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

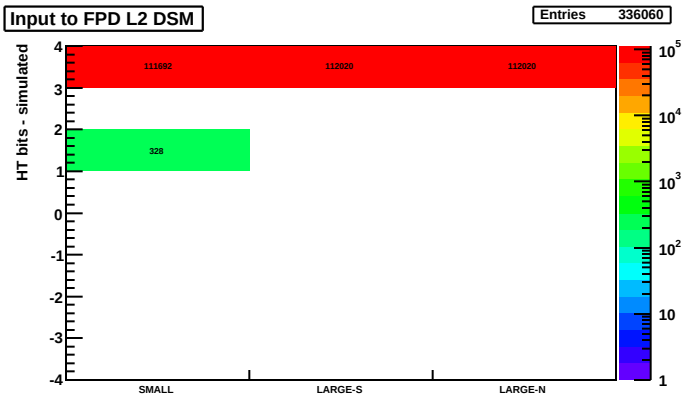

Input to FPD L2 DSM
Entries 896160
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

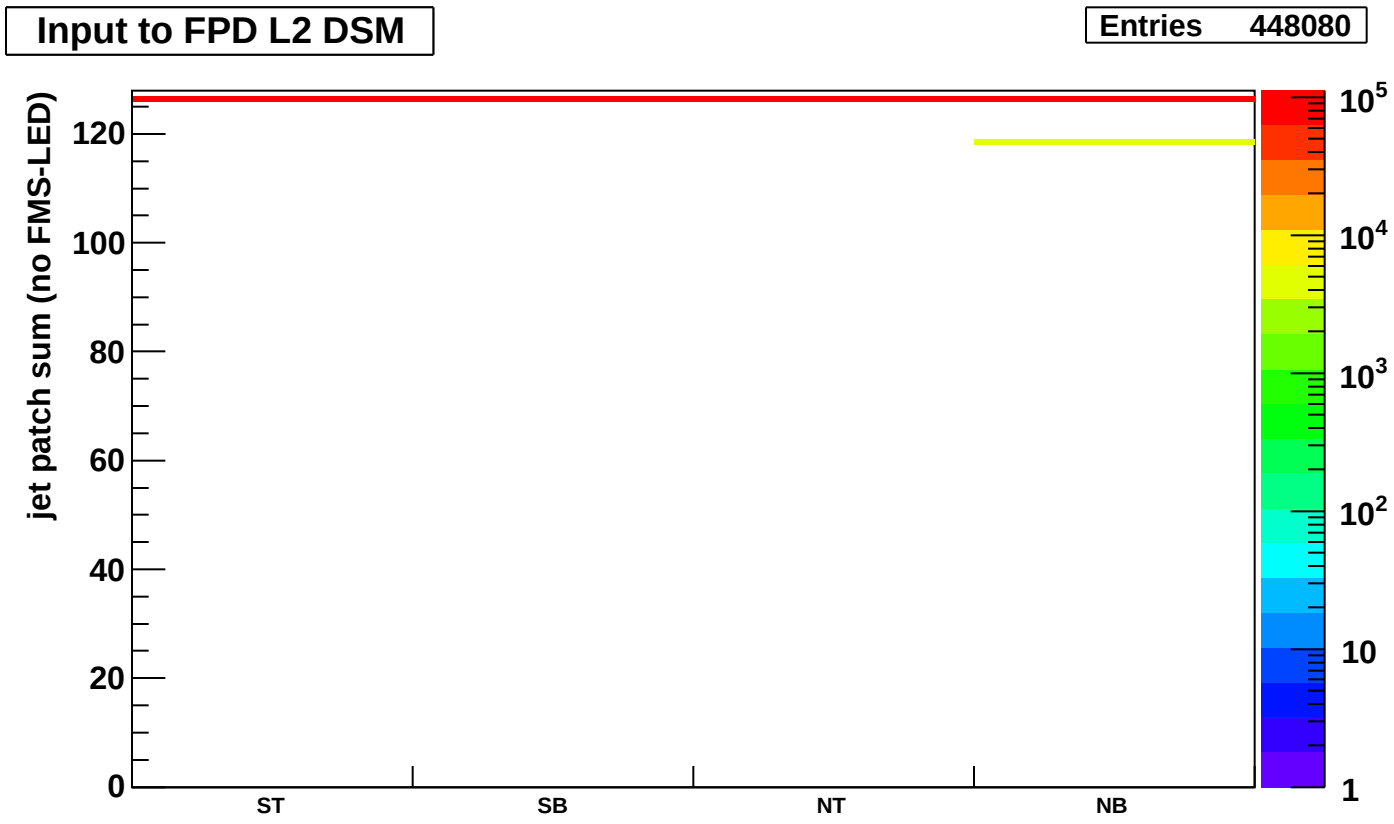

Input to FPD L2 DSM
Entries 896160
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

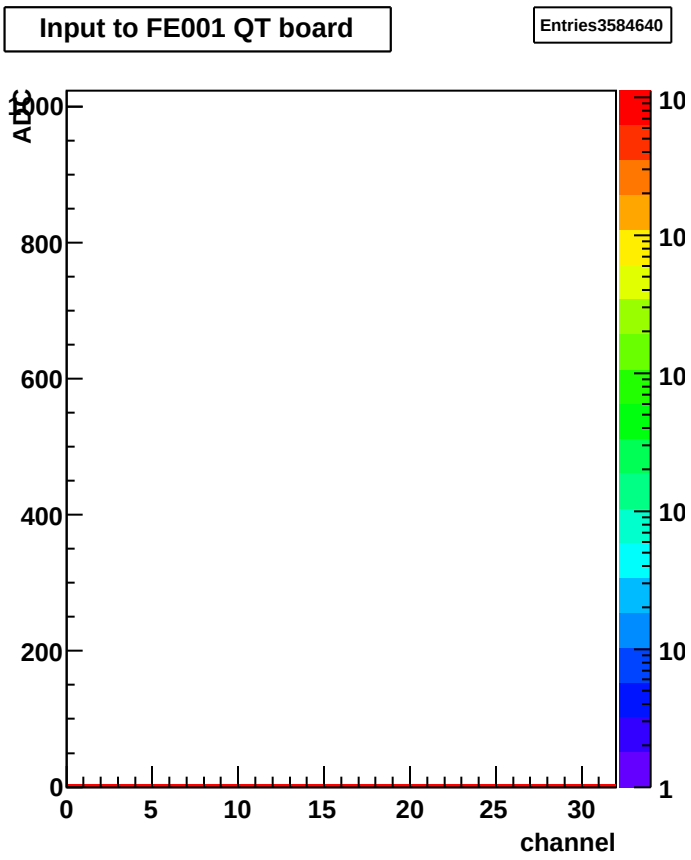

Input to FPD L2 DSM
Entries 336060
CL bits
112020
112020
112020
SMALL
LARGE-S
LARGE-N

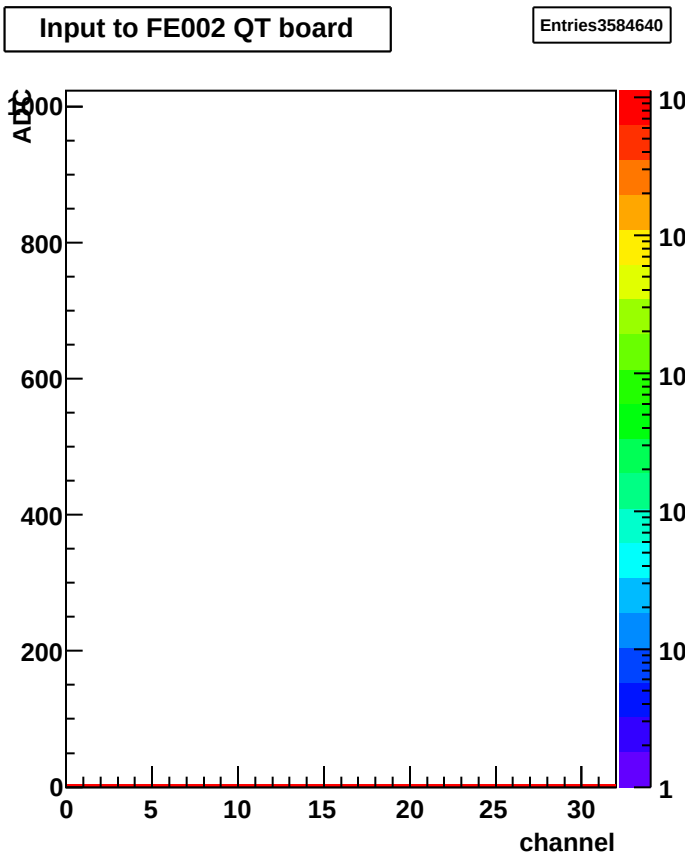

Input to FPD L2 DSM
Entries 336060
CL bits - simulated
112020
112020
112020
SMALL
LARGE-S
LARGE-N

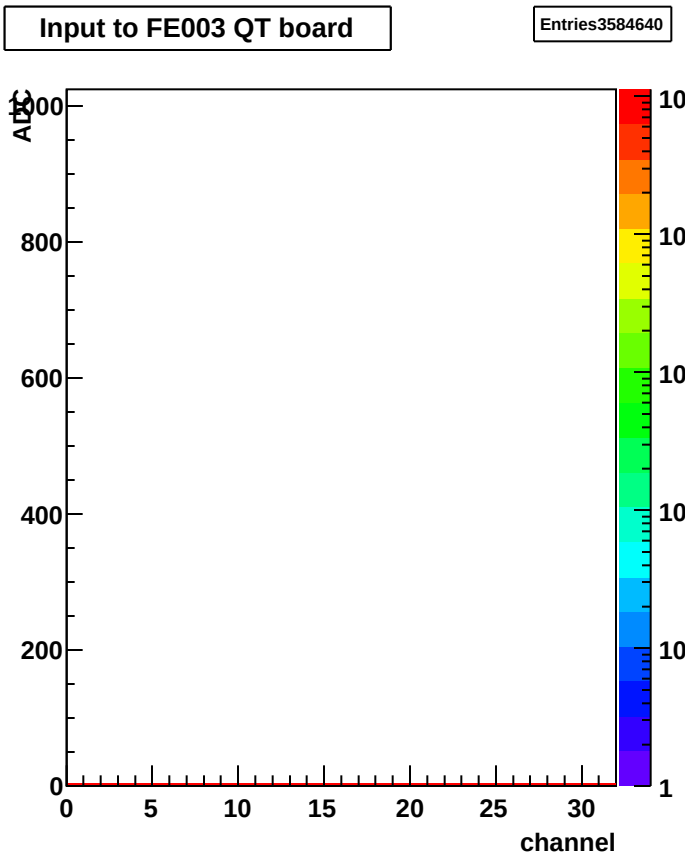

Input to FPD L2 DSM
Entries 336060
HT bits
111692
112020
112020
328
SMALL
LARGE-S
LARGE-N

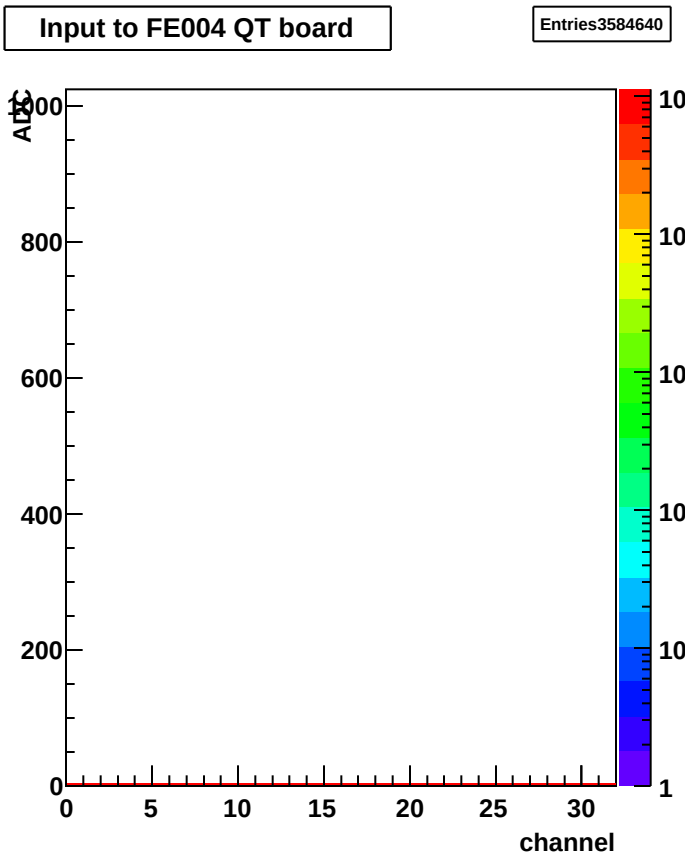

Input to FPD L2 DSM
Entries 336060
HT bits - simulated
111692
112020
112020
328
SMALL
LARGE-S
LARGE-N


Input to FPD L2 DSM
Entries 448080
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
$10^2$
$10^3$
$10^4$
$10^5$

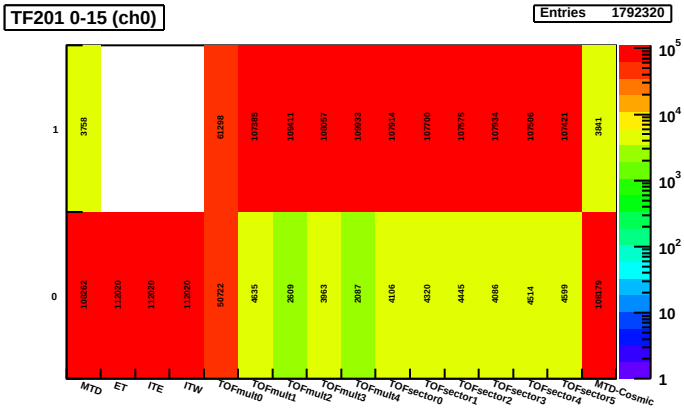

Input to FE001 QT board
Entries3584640
ADC
channel


Input to FE002 QT board
Entries3584640
ADC
channel

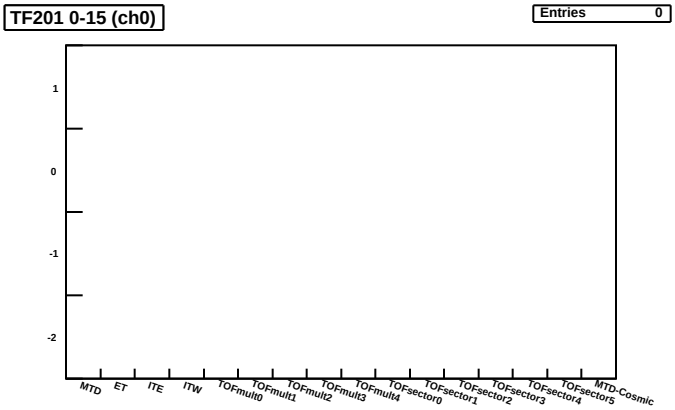

Input to FE003 QT board
Entries3584640
ADC
channel


Input to FE004 QT board
Entries3584640
ADC
channel

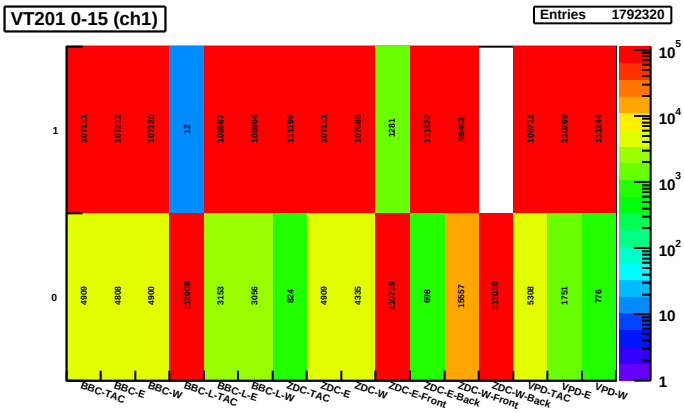
TF201 0-15 (ch0)



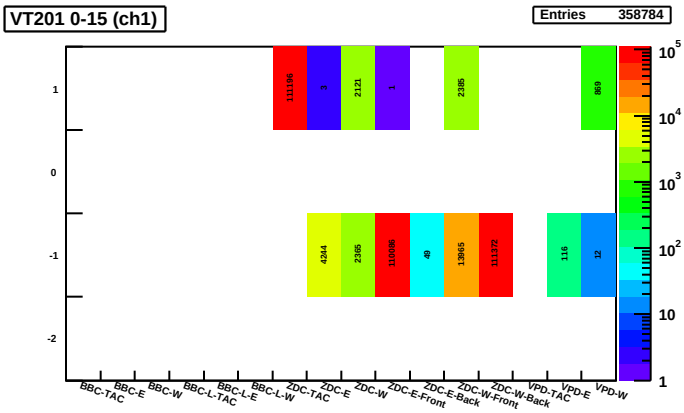

TF201 0-15 (ch0)



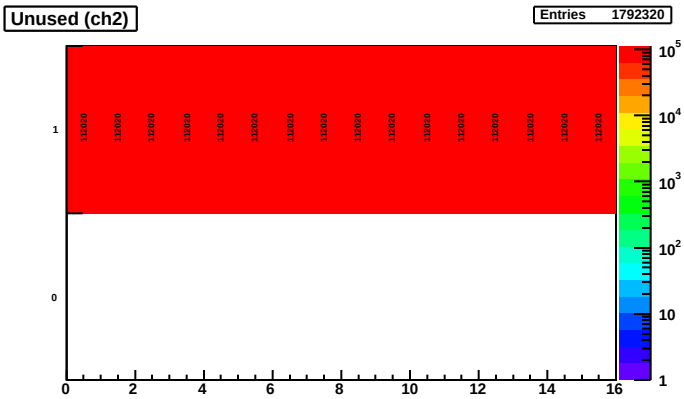

VT201 0-15 (ch1)

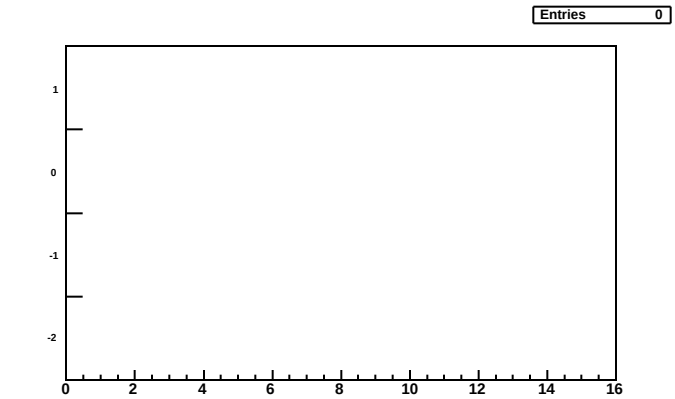



VT201 0-15 (ch1)

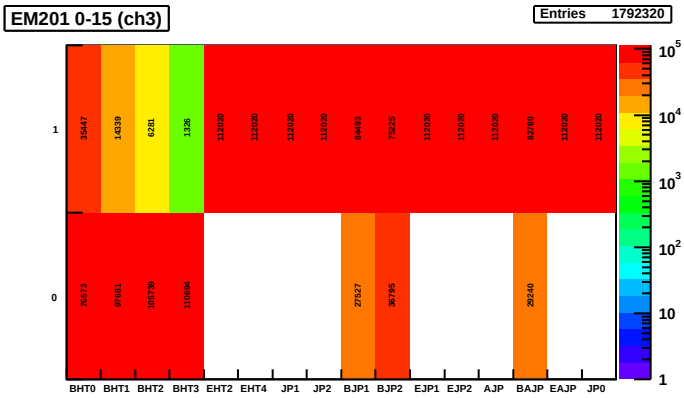



Unused (ch2)

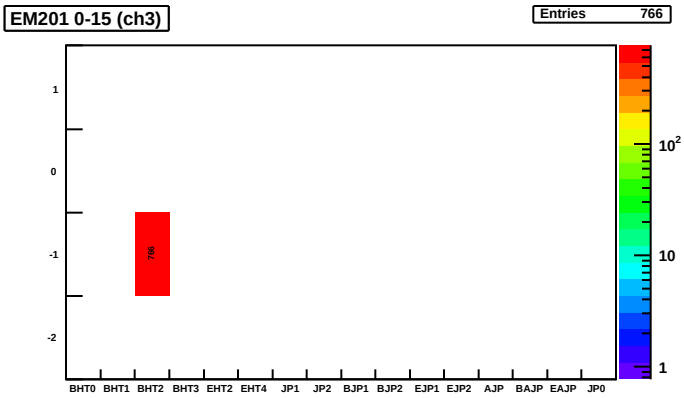


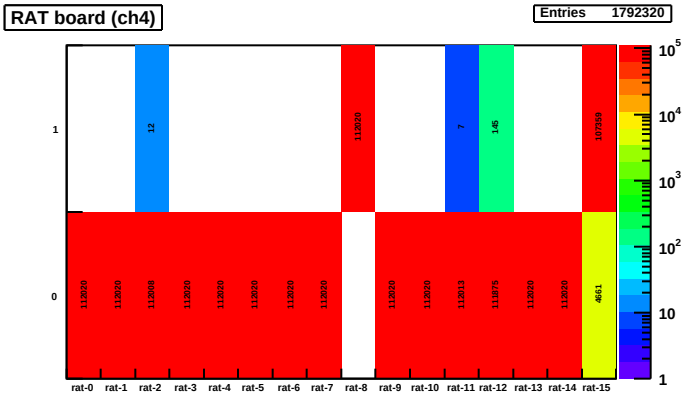



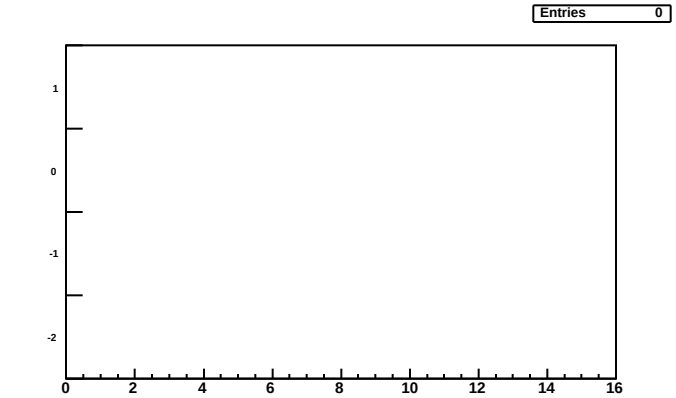

EM201 0-15 (ch3)

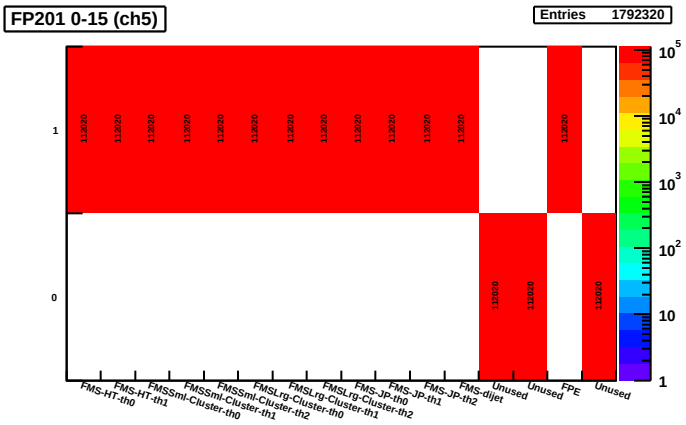


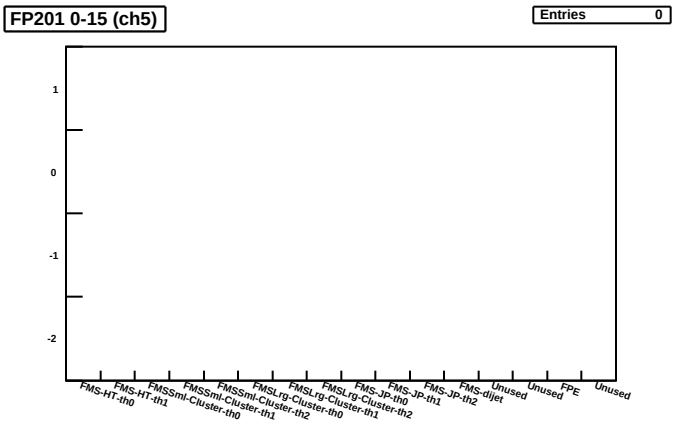

EM201 0-15 (ch3)

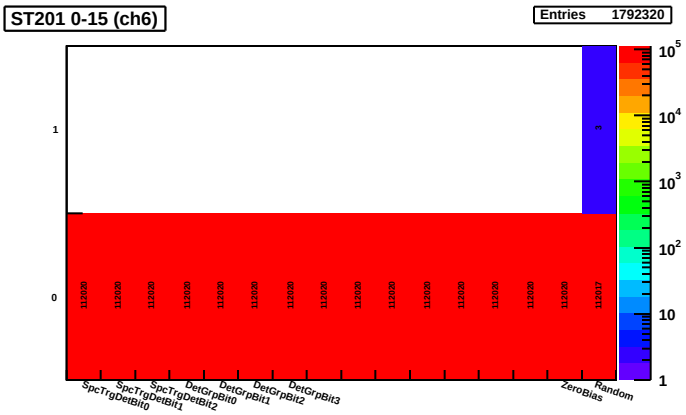


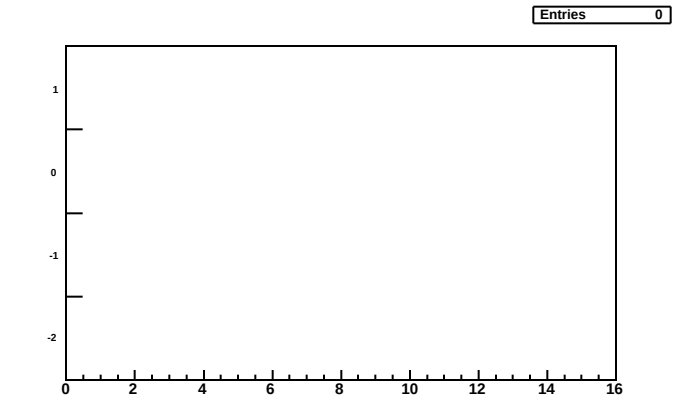

RAT board (ch4)
Entries 1792320
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

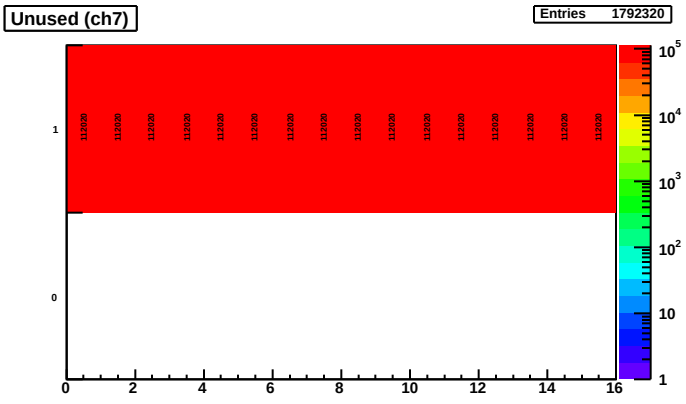

Entries 0

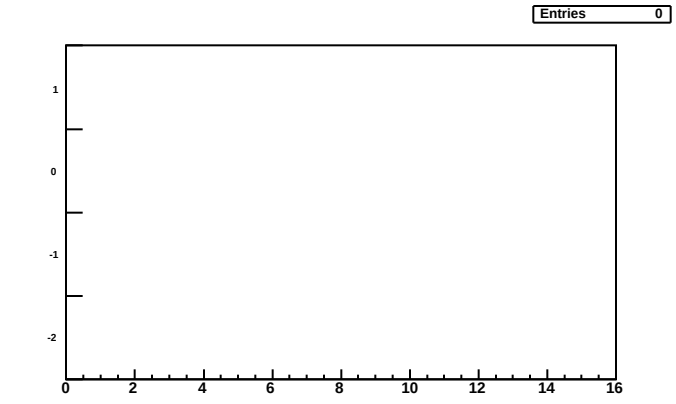

FP201 0-15 (ch5)
Entries 1792320
FMS-HT-th0 FMS-HT-th1 FMSSml-Cluster-th0 FMSSml-Cluster-th1 FMSSml-Cluster-th2 FMSLrg-Cluster-th0 FMSLrg-Cluster-th1 FMSLrg-Cluster-th2 FMS-JP-th0 FMS-JP-th1 FMS-JP-th2 FMS-dijet Unused Unused FPE Unused


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 1792320
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetGrpBit0 DetGrpBit1 DetGrpBit2 DetGrpBit3 ZeroBias Random


Entries 0


Unused (ch7)
Entries 1792320


Entries 0