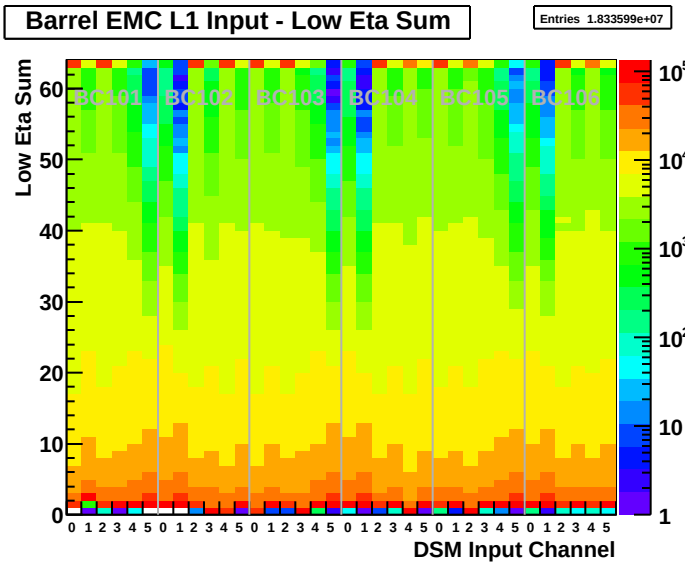
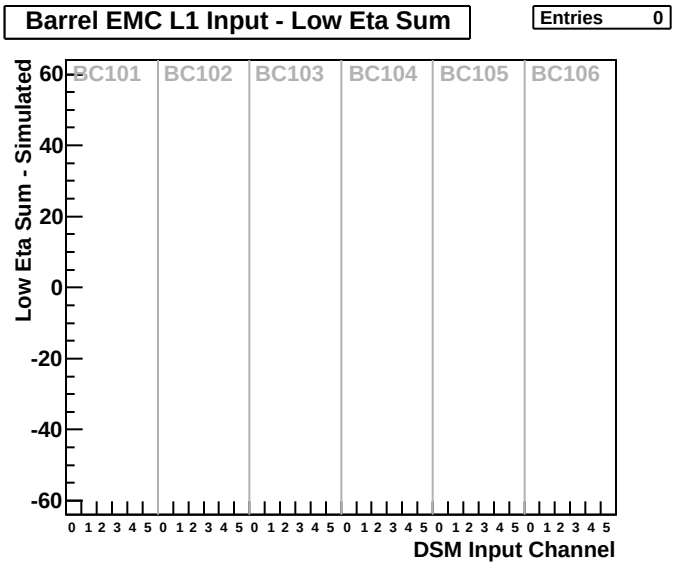
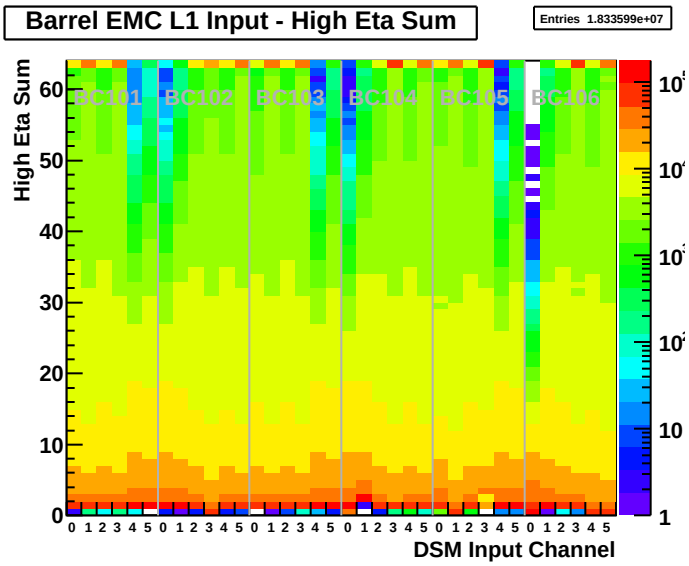
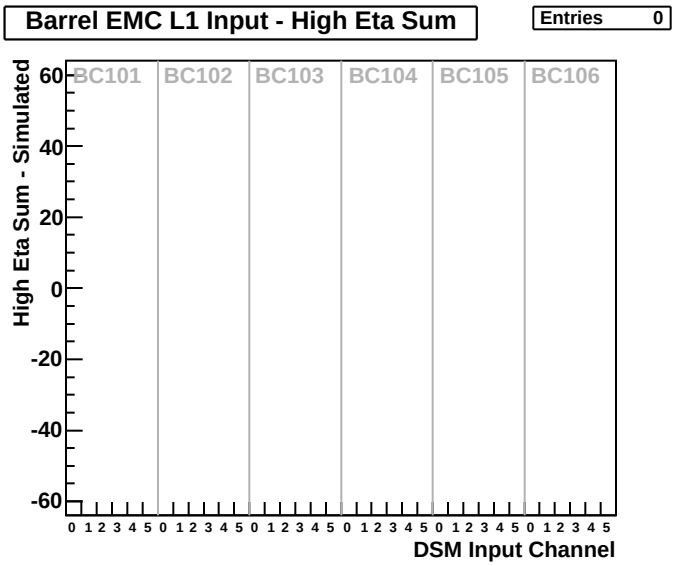
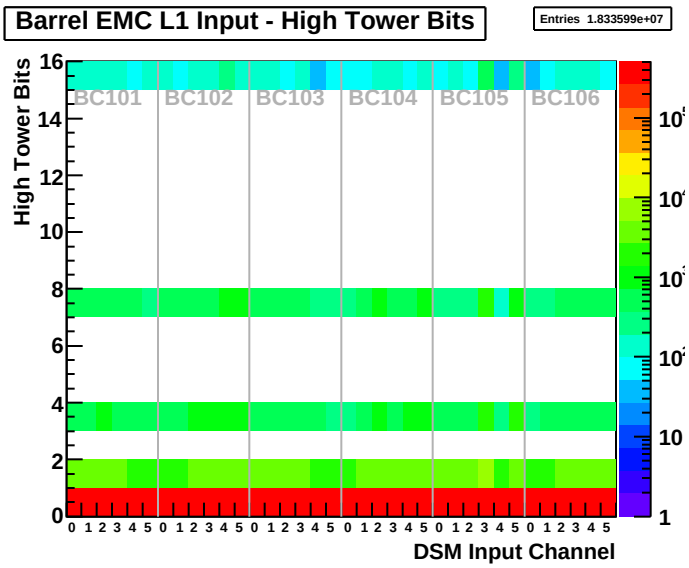
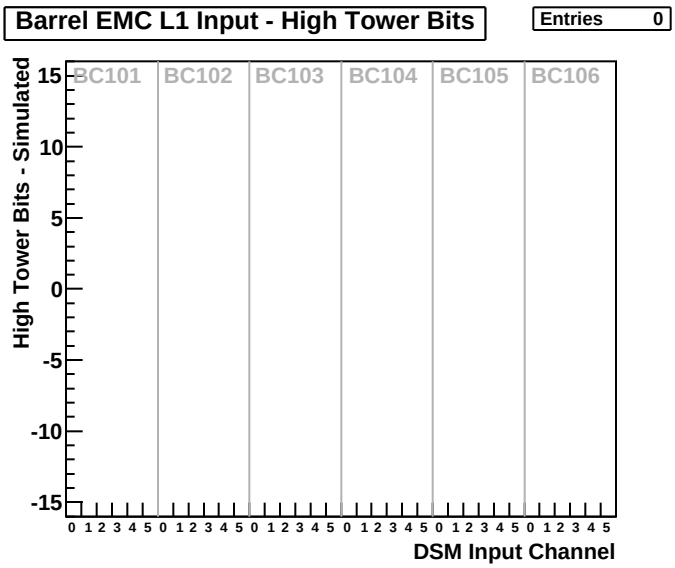

Barrel EMC L1 Input - Low Eta Sum
Entries 1.833599e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

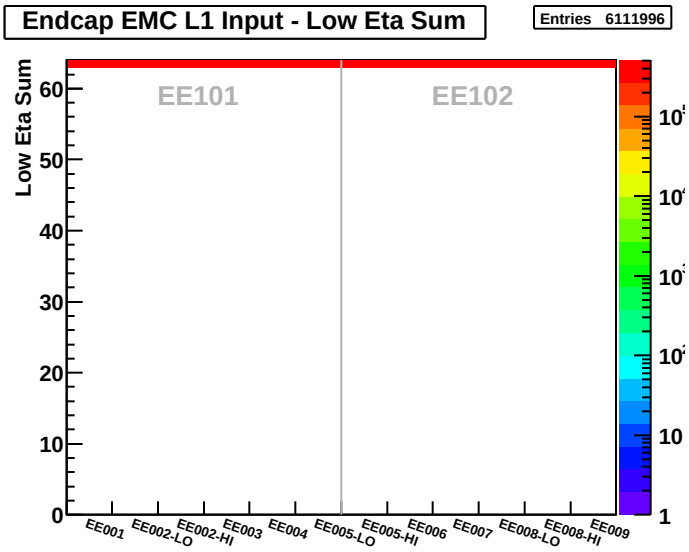

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

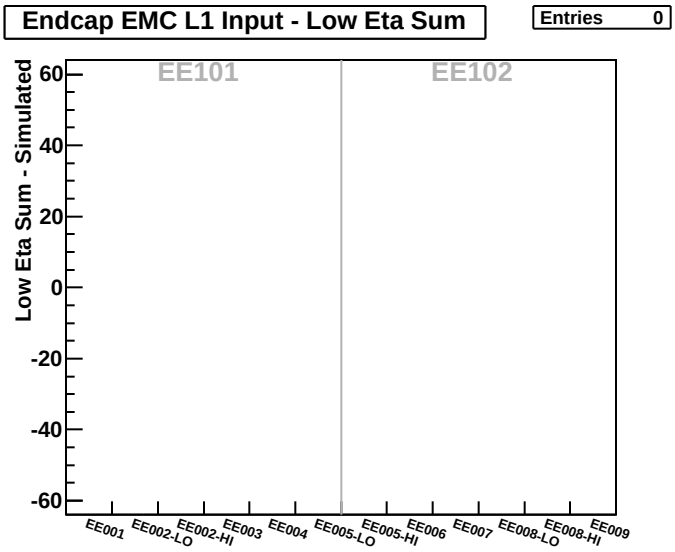

Barrel EMC L1 Input - High Eta Sum
Entries 1.833599e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

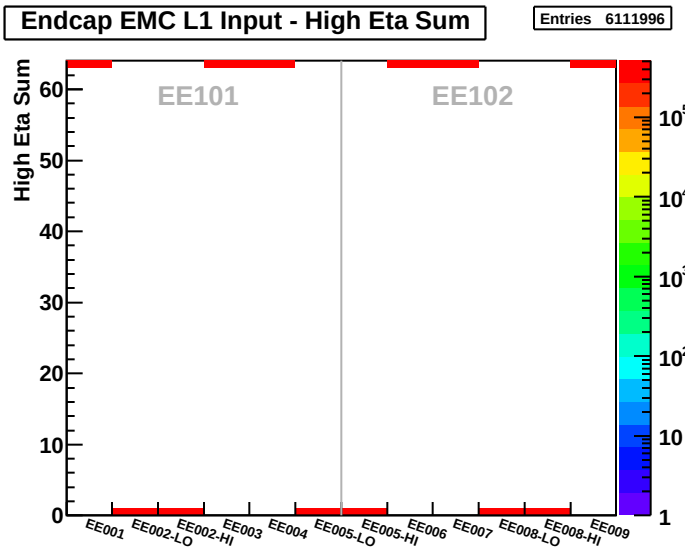

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

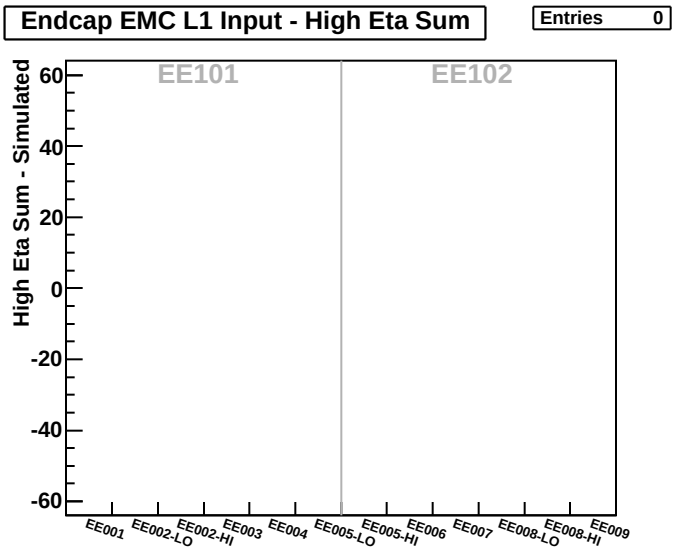

Barrel EMC L1 Input - High Tower Bits
Entries 1.833599e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

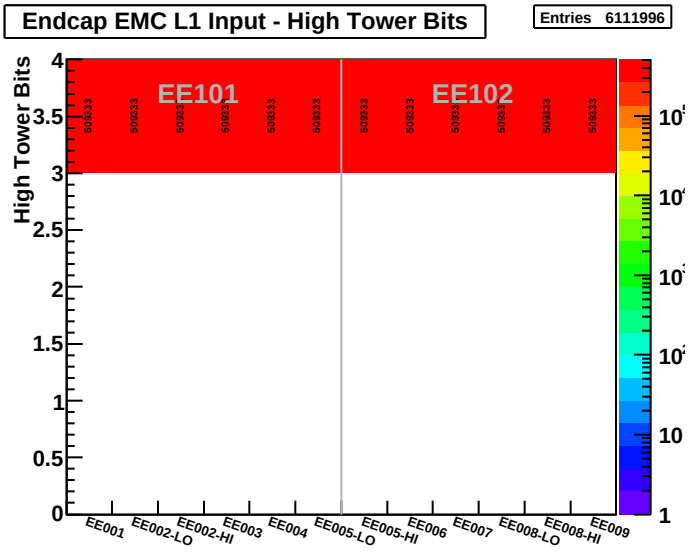

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

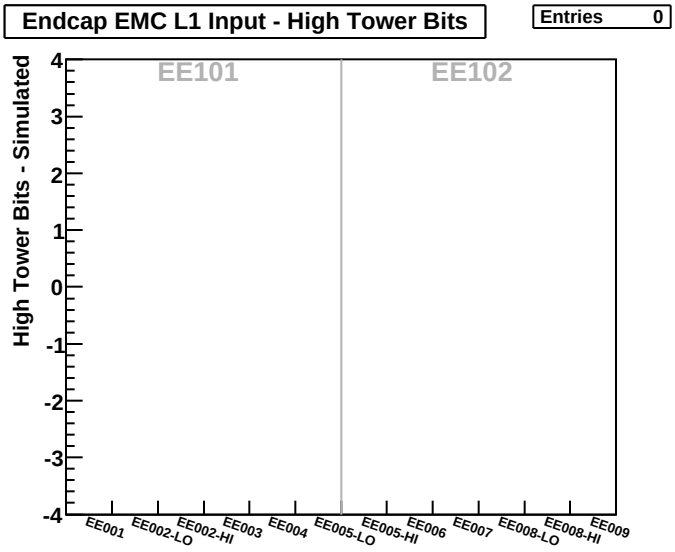

Endcap EMC L1 Input - Low Eta Sum
Entries 6111996
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

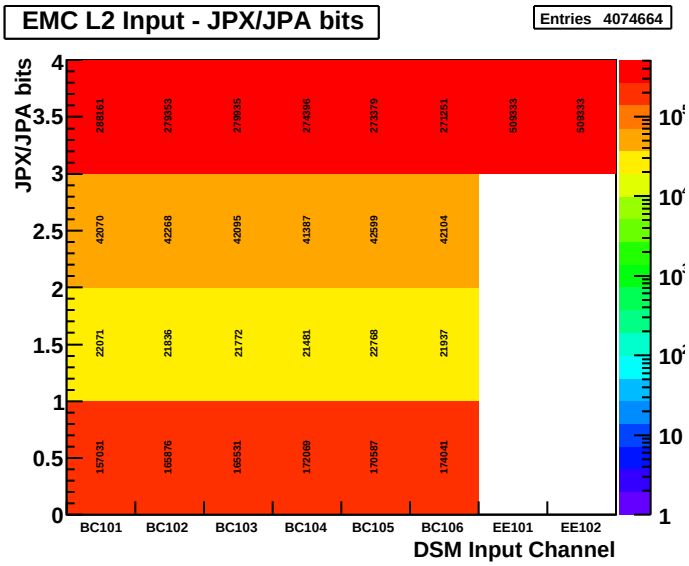

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

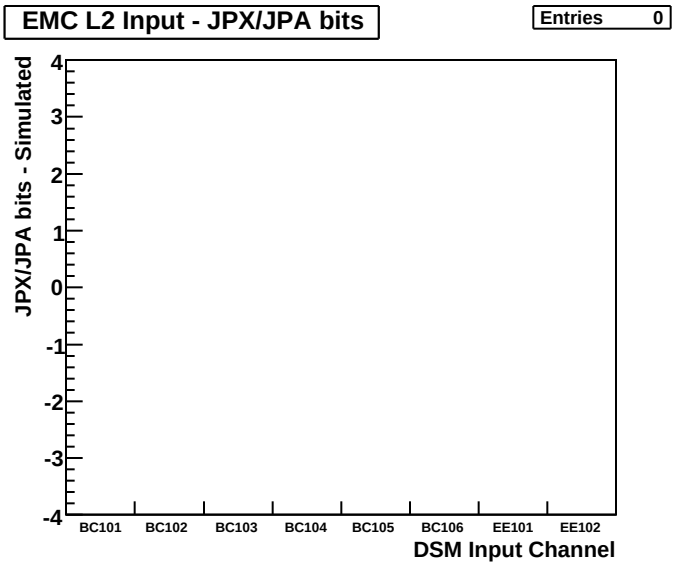

Endcap EMC L1 Input - High Eta Sum
Entries 6111996
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

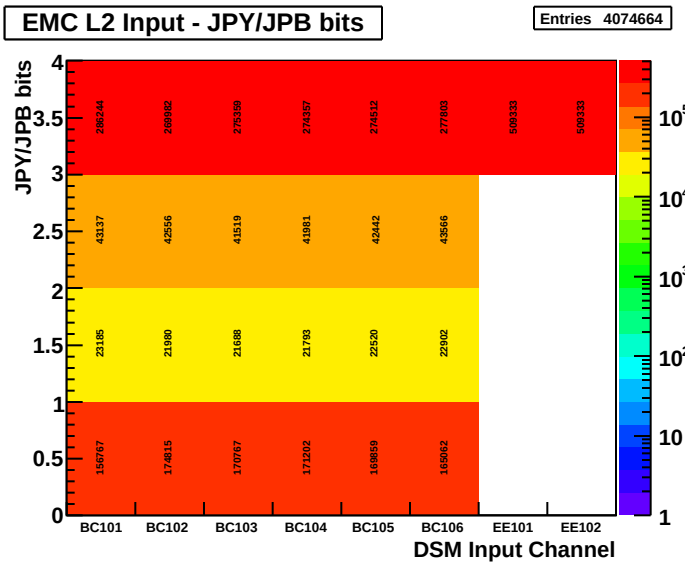

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

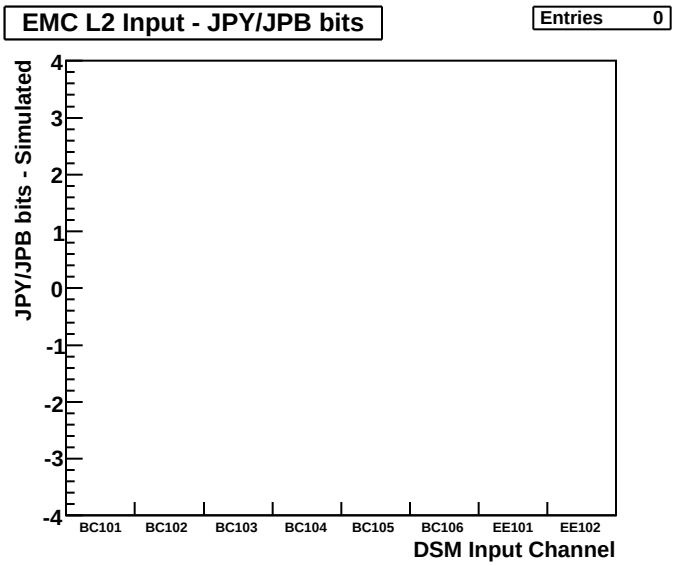

Endcap EMC L1 Input - High Tower Bits
Entries 6111996
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

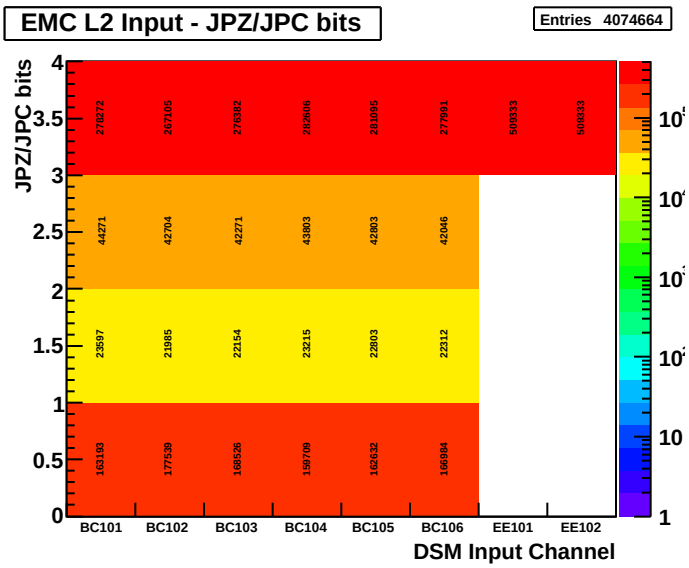

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

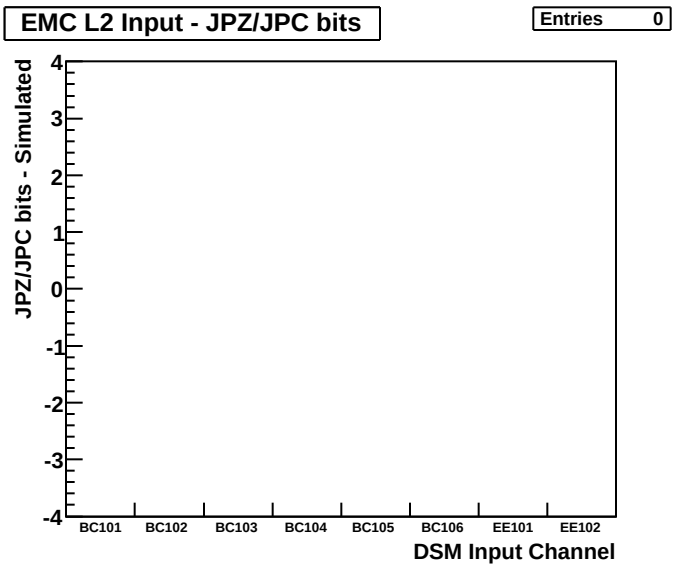

EMC L2 Input - JPX/JPA bits
Entries 4074664
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
286161 279353 279935 274396 273379 271251 509333 509333
42070 42268 42095 41387 42599 42104
22071 21836 21772 21481 22768 21937
157031 165876 165531 172069 170587 174041

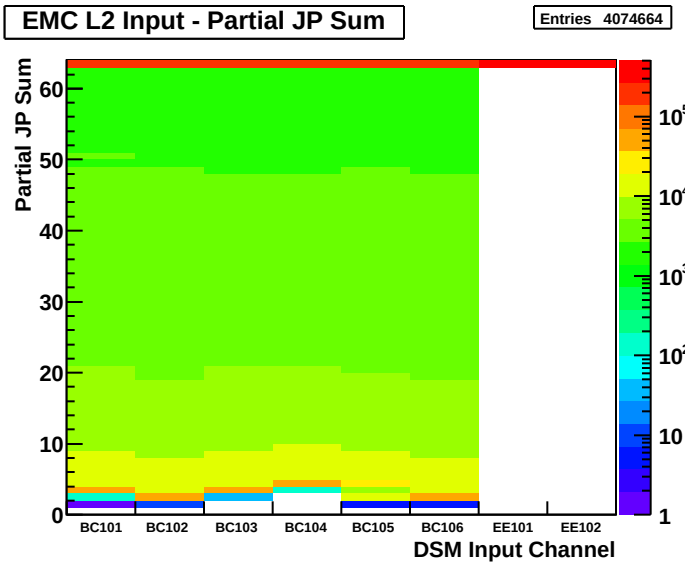

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

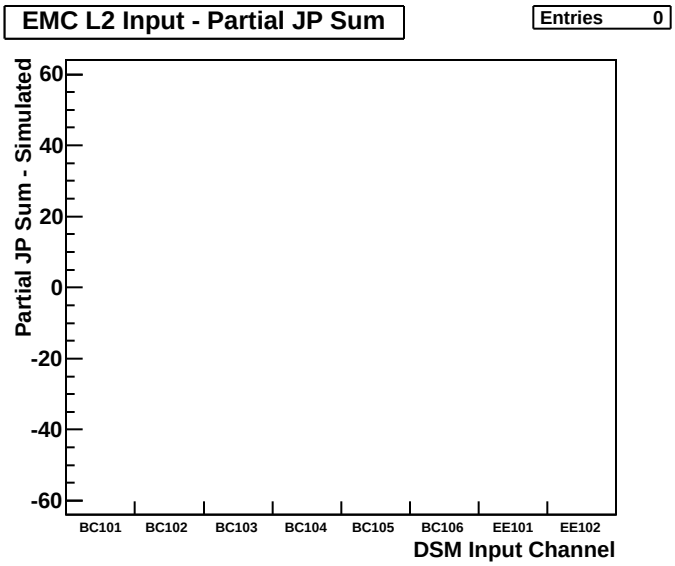

EMC L2 Input - JPY/JPB bits
Entries 4074664
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
286244 269982 275389 274357 274512 277803 509333 509333
43137 42556 41519 41981 42442 43566
23185 21980 21688 21793 22520 22902
156767 174815 170767 171202 169859 165062

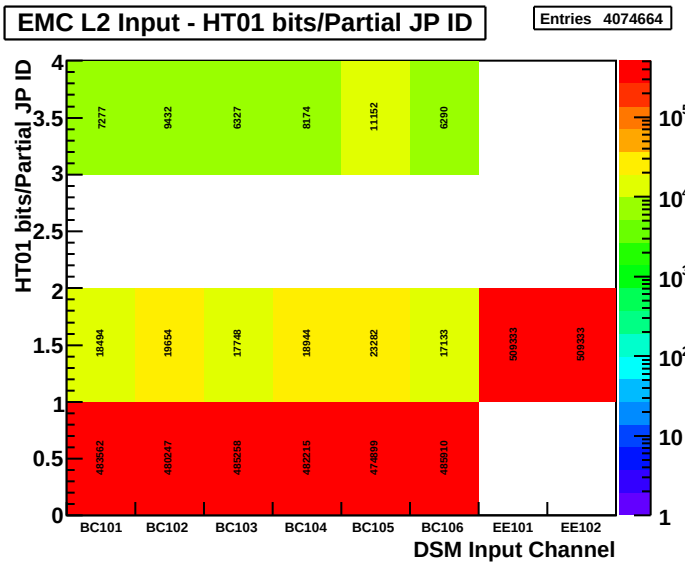

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

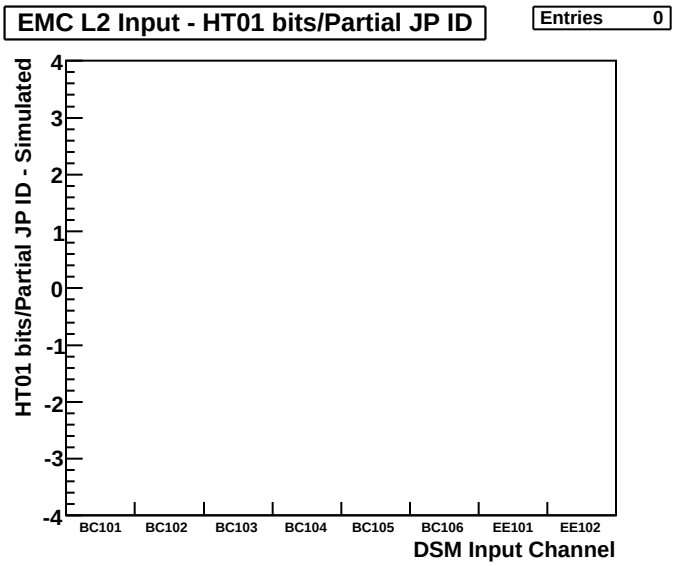

EMC L2 Input - JPZ/JPC bits
Entries 4074664
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
278272 267105 276382 282606 281095 277991 509333 509333
44271 42704 42271 43803 42803 42046
23597 21985 22154 23215 22803 22312
163193 177539 168526 159709 162632 166984

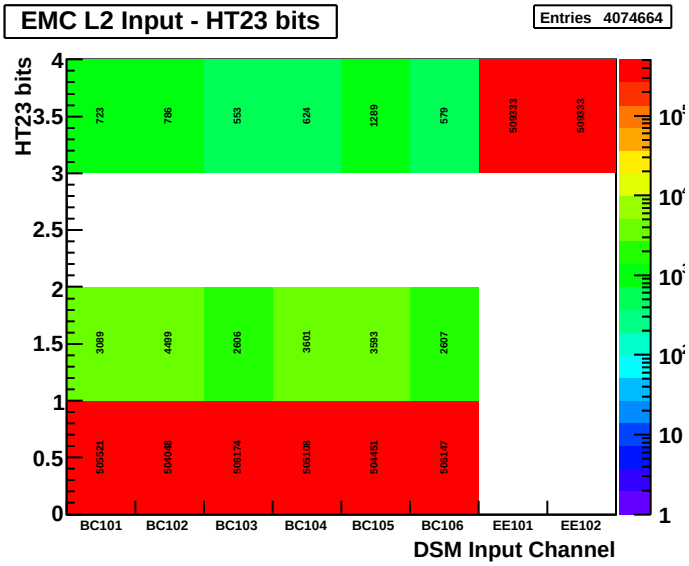

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

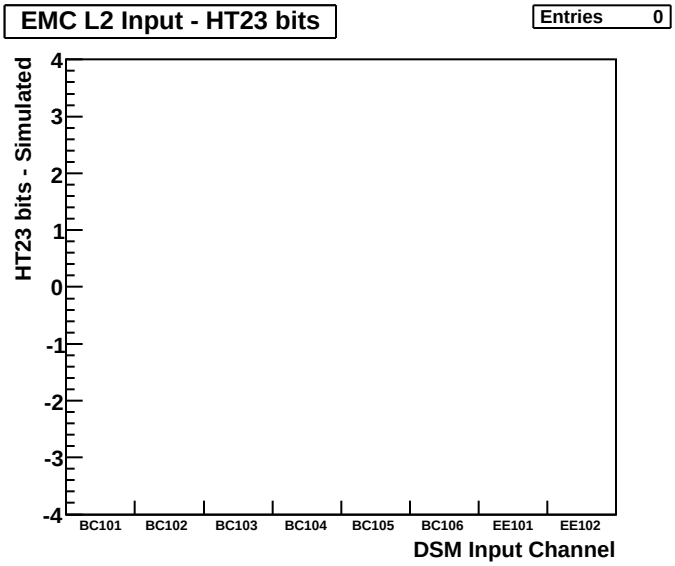

EMC L2 Input - Partial JP Sum
Entries 4074664
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

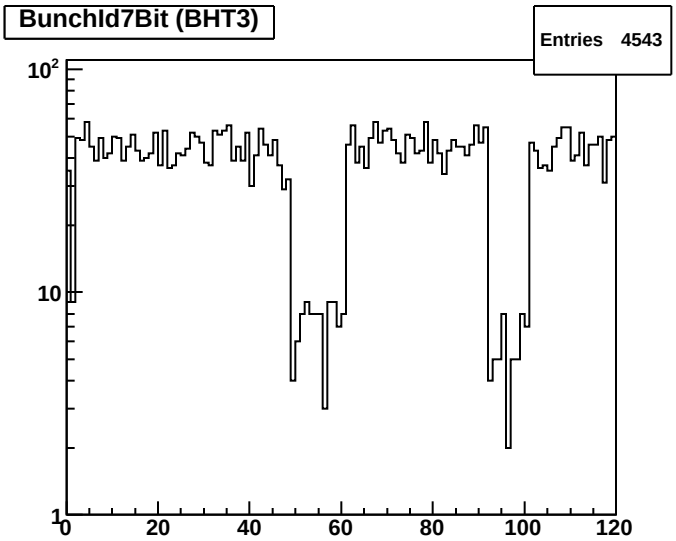

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

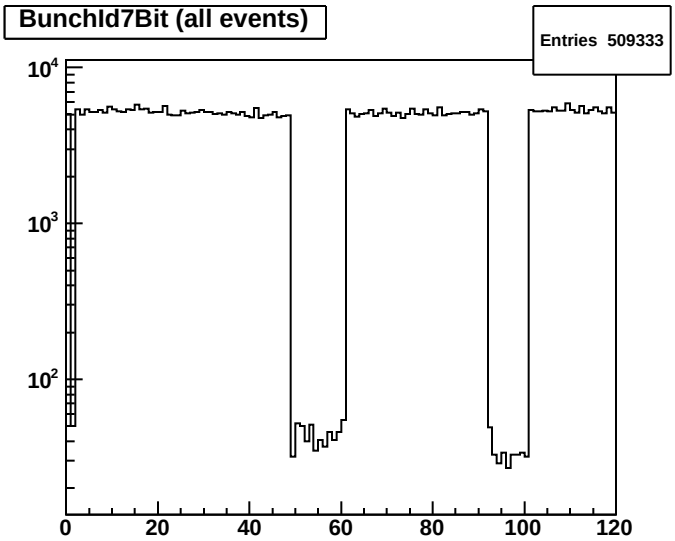

EMC L2 Input - HT01 bits/Partial JP ID
Entries 4074664
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

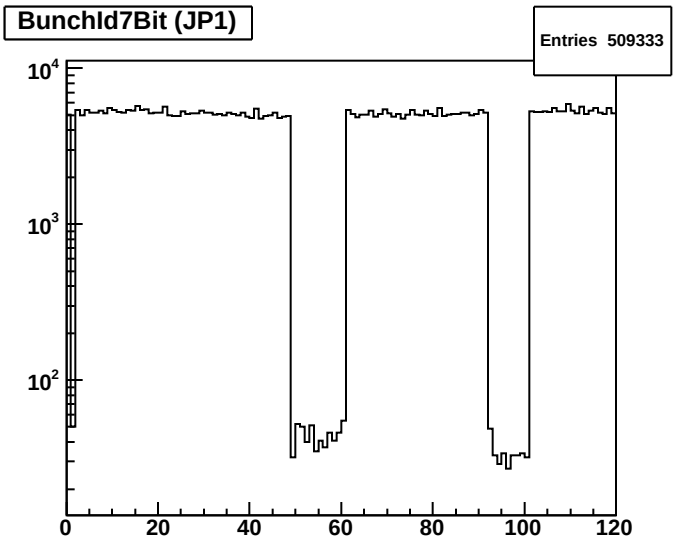

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

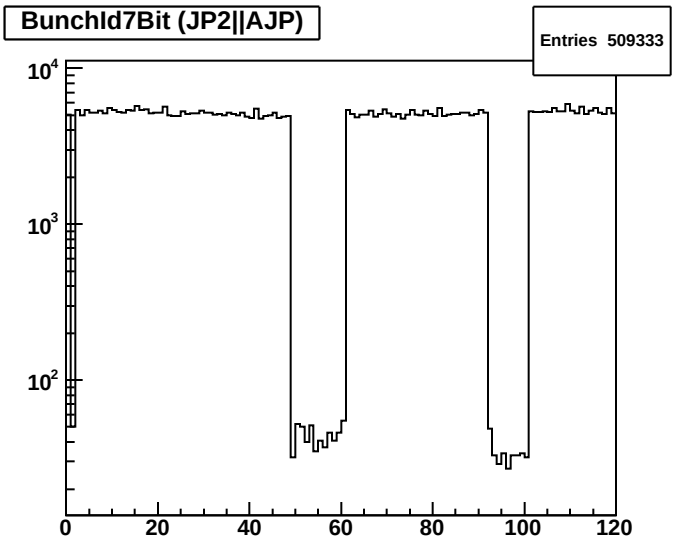

EMC L2 Input - HT23 bits
Entries 4074664
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

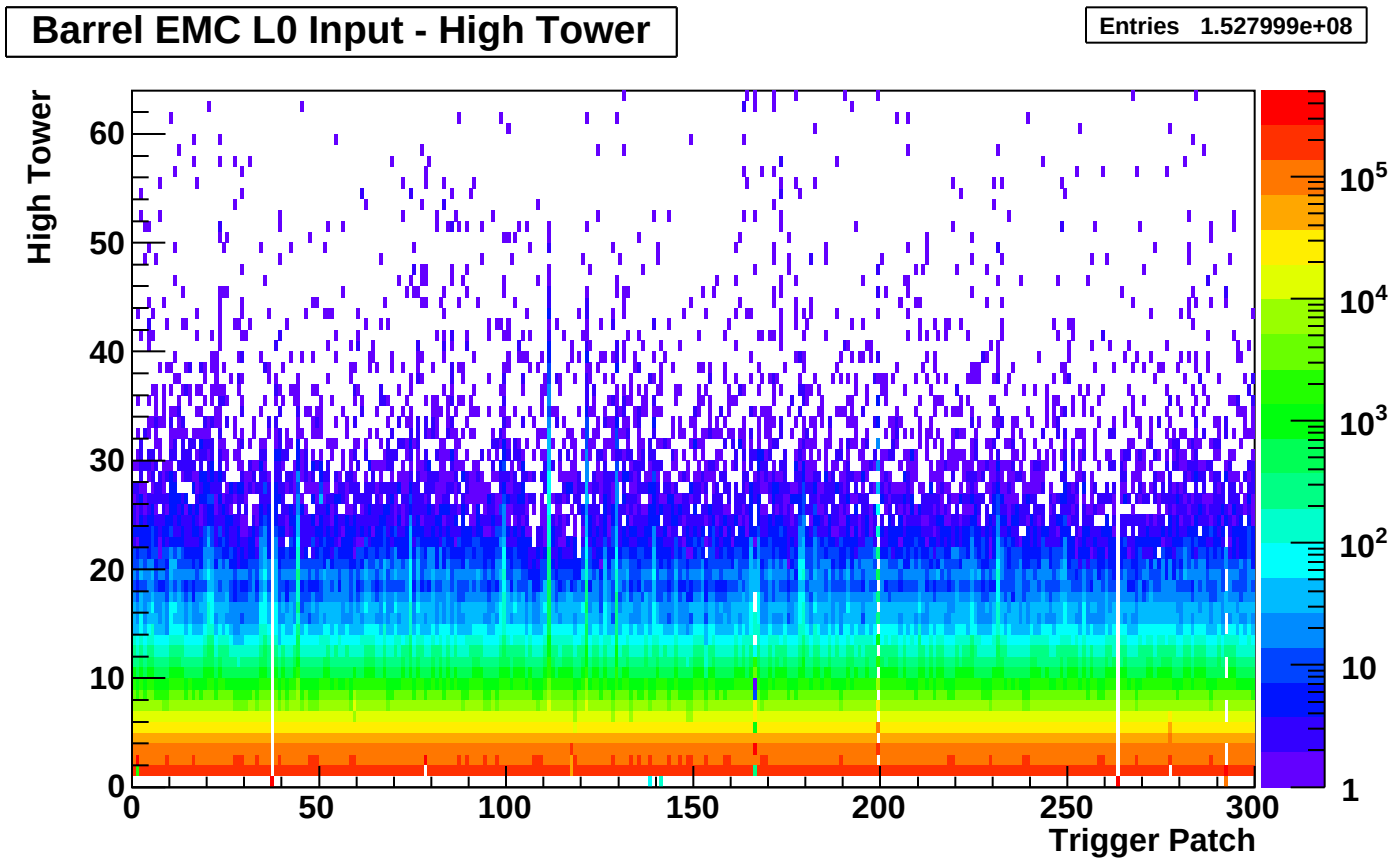

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

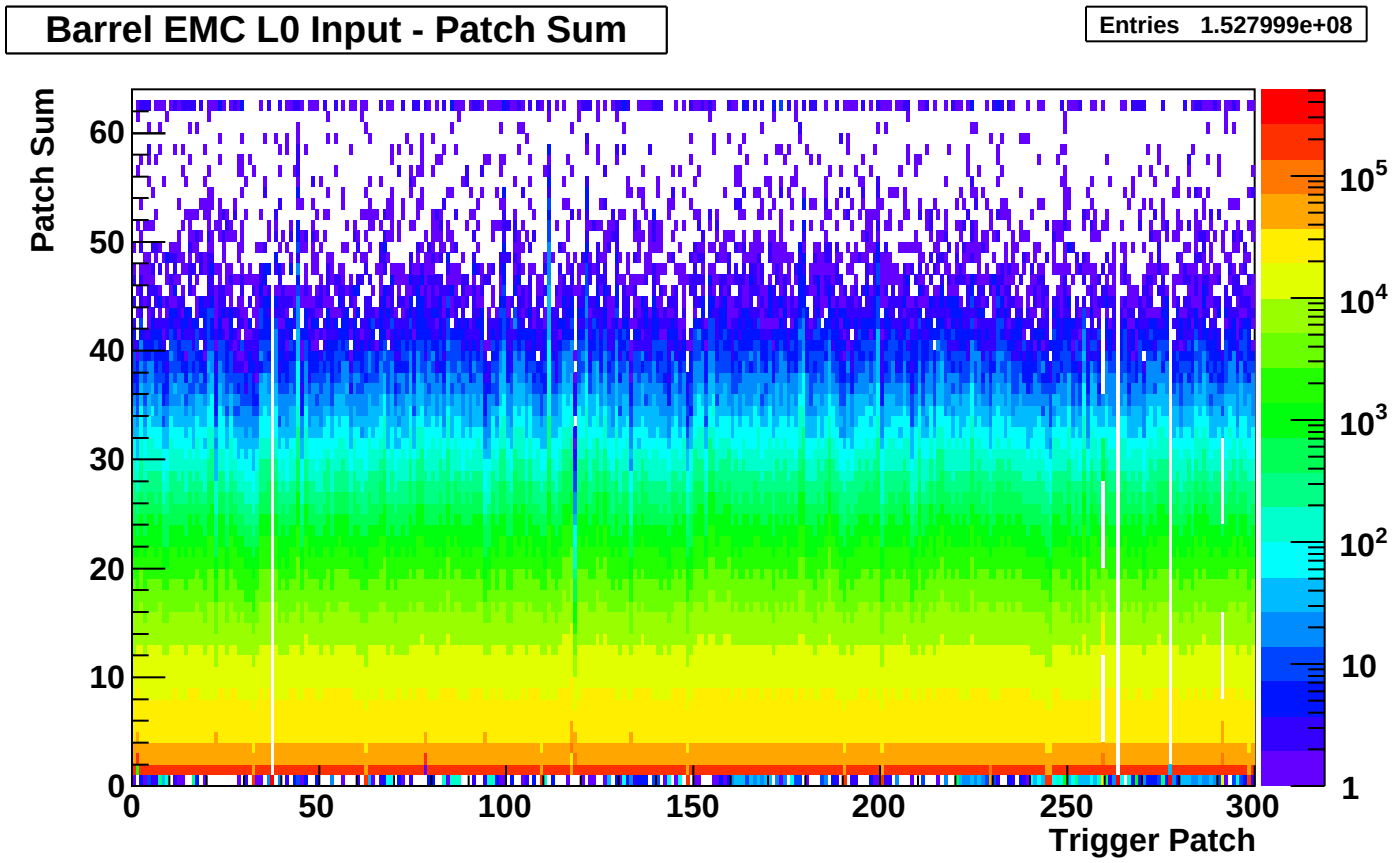

BunchId7Bit (BHT3)
Entries 4543
10^2
10
1
0
20
40
60
80
100
120

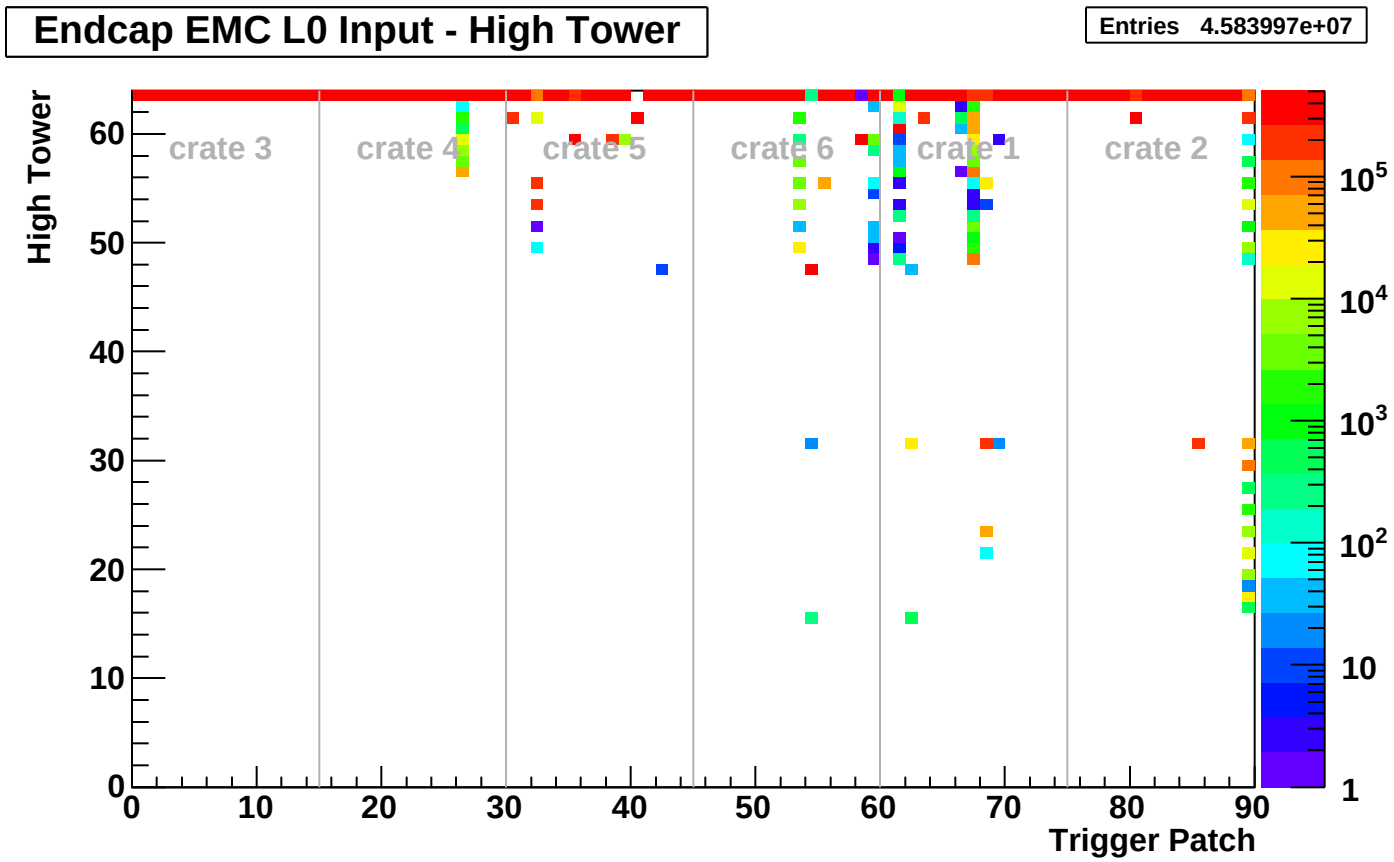

BunchId7Bit (all events)
Entries 509333
10^4
10^3
10^2
0
20
40
60
80
100
120

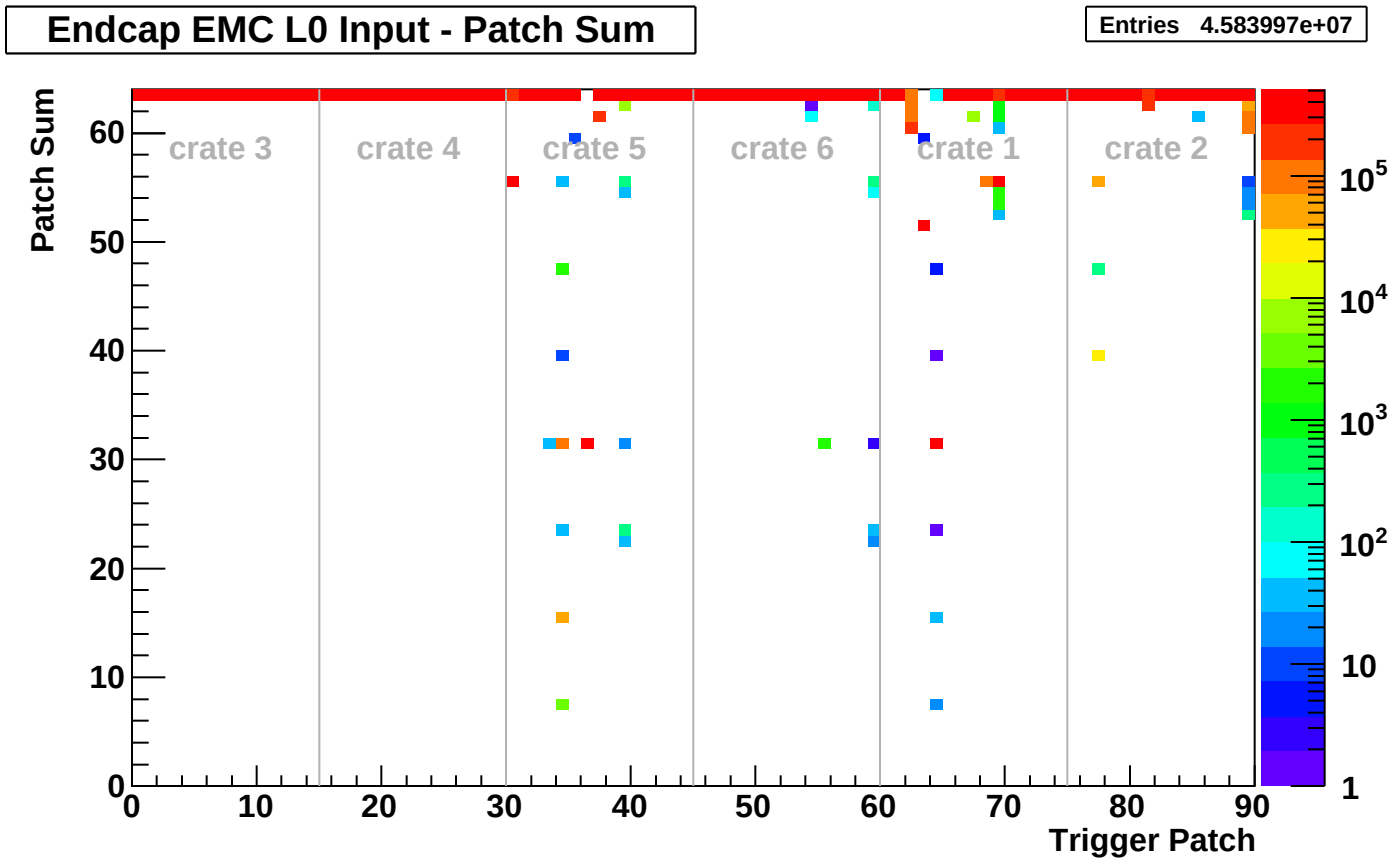

BunchId7Bit (JP1)
Entries 509333
10^4
10^3
10^2
0
20
40
60
80
100
120

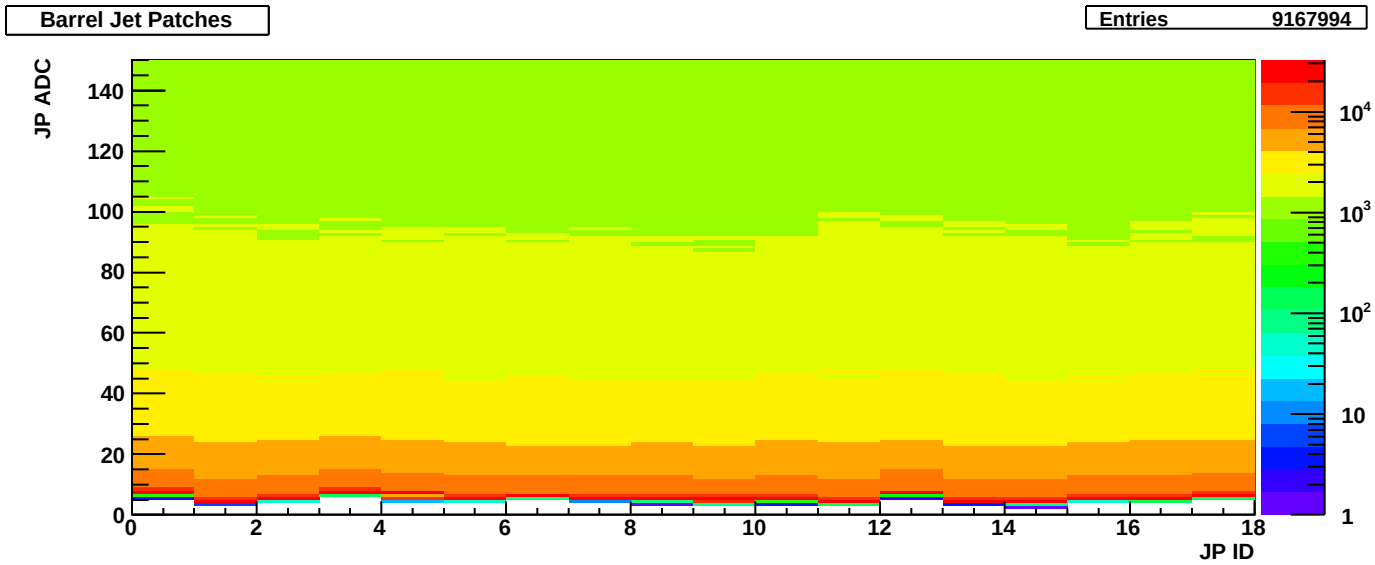

BunchId7Bit (JP2||AJP)
Entries 509333
10^4
10^3
10^2
0
20
40
60
80
100
120

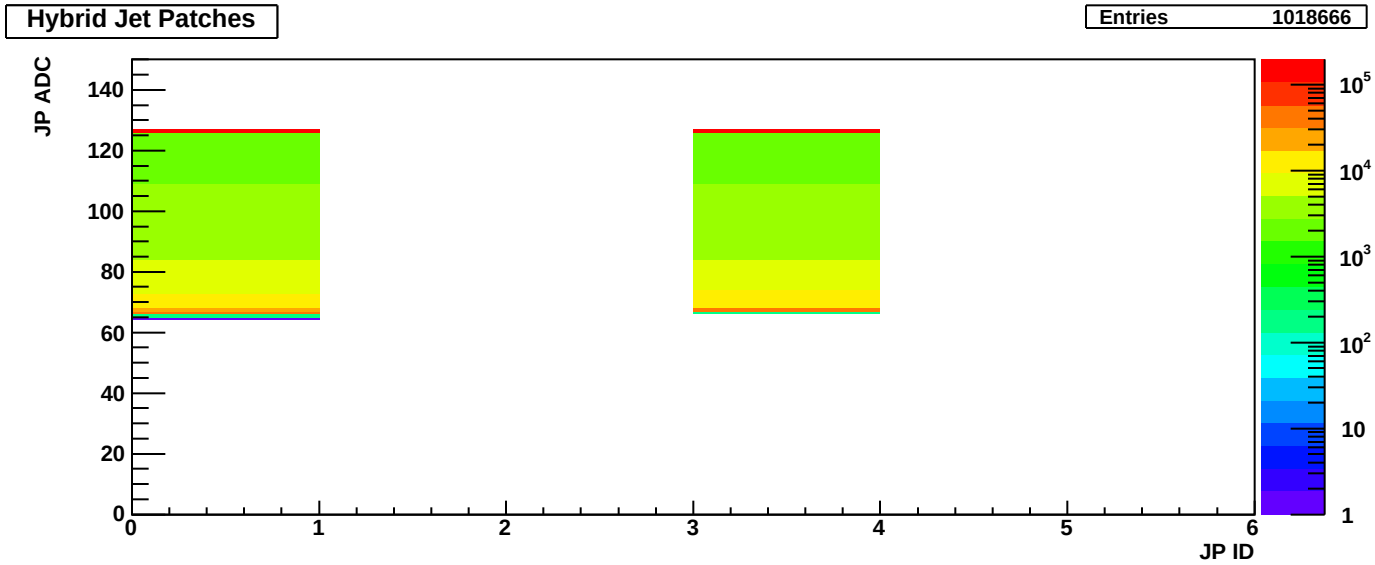

Barrel EMC L0 Input - High Tower
Entries 1.527999e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

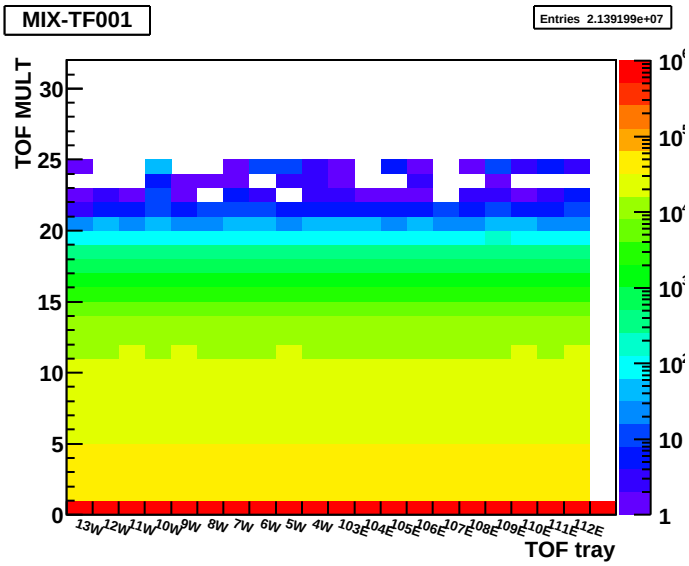

Barrel EMC L0 Input - Patch Sum
Entries 1.527999e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

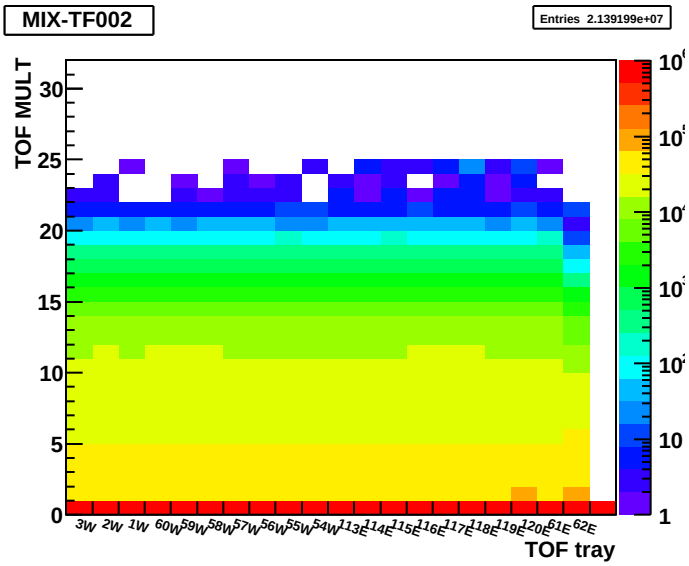

Endcap EMC L0 Input - High Tower
Entries 4.583997e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

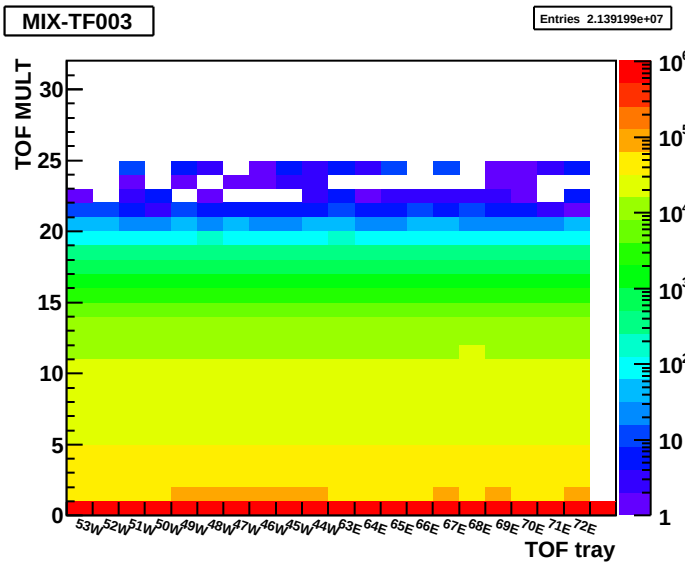

Endcap EMC L0 Input - Patch Sum
Entries 4.583997e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

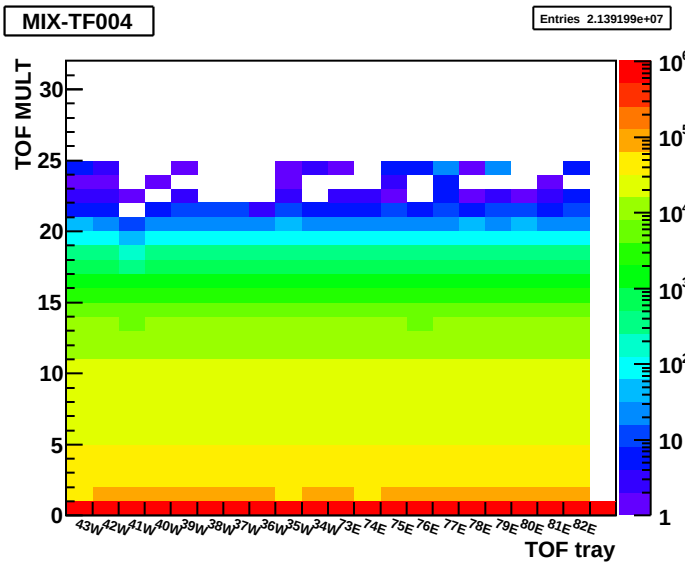

Barrel Jet Patches
Entries 9167994
JP ADC
JP ID

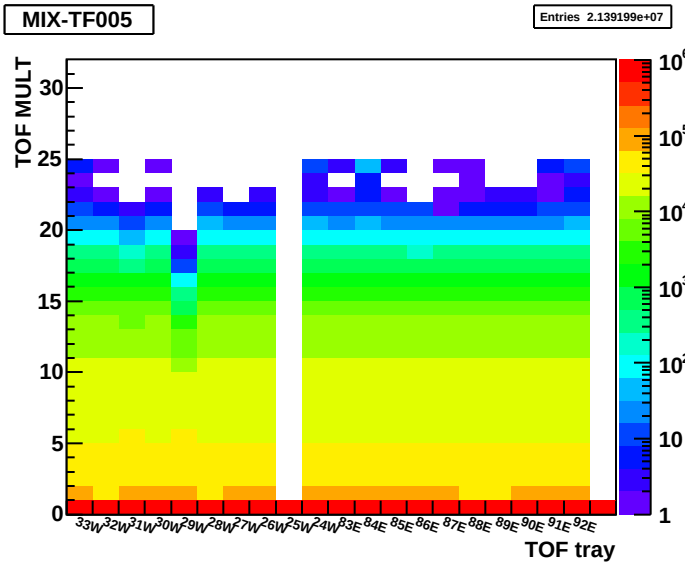

Hybrid Jet Patches
Entries 1018666
JP ADC
JP ID

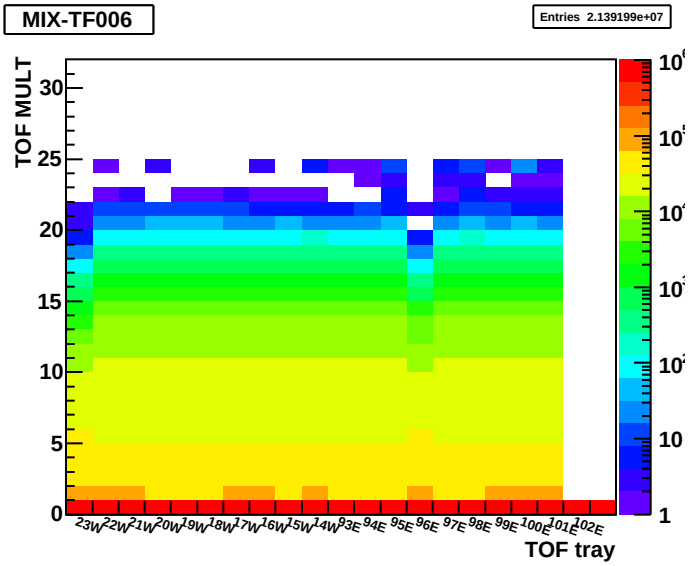

MIX-TF001
Entries 2.139199e+07
TOF MULT
TOF tray

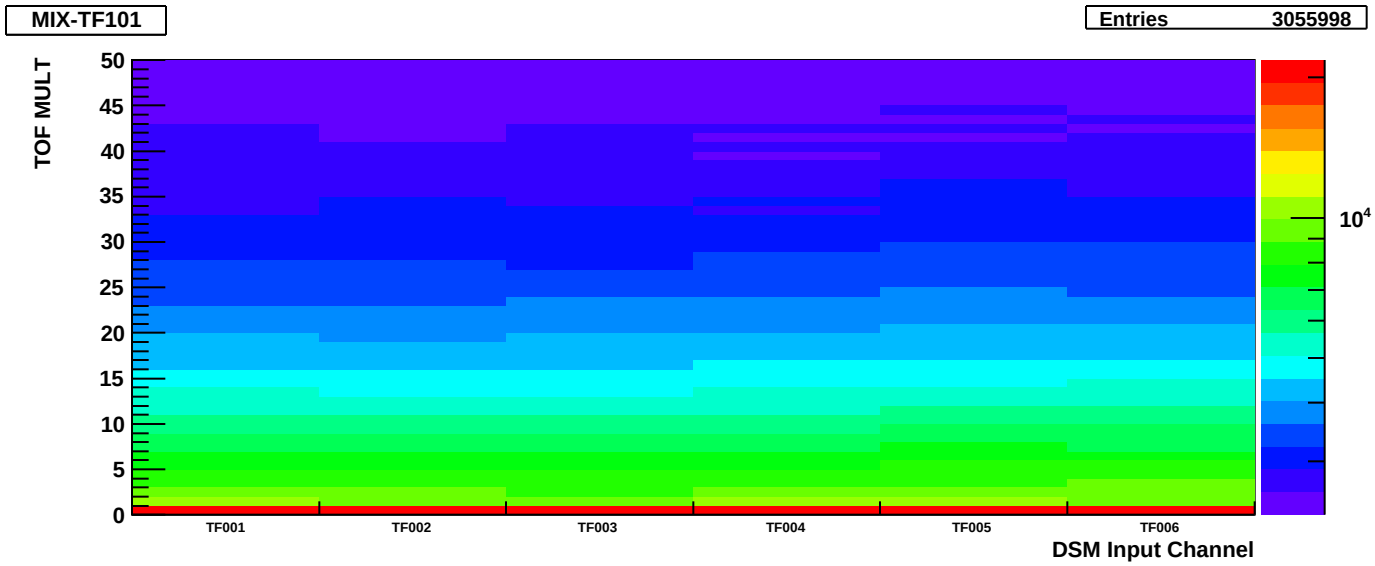

MIX-TF002
Entries 2.139199e+07
TOF MULT
TOF tray

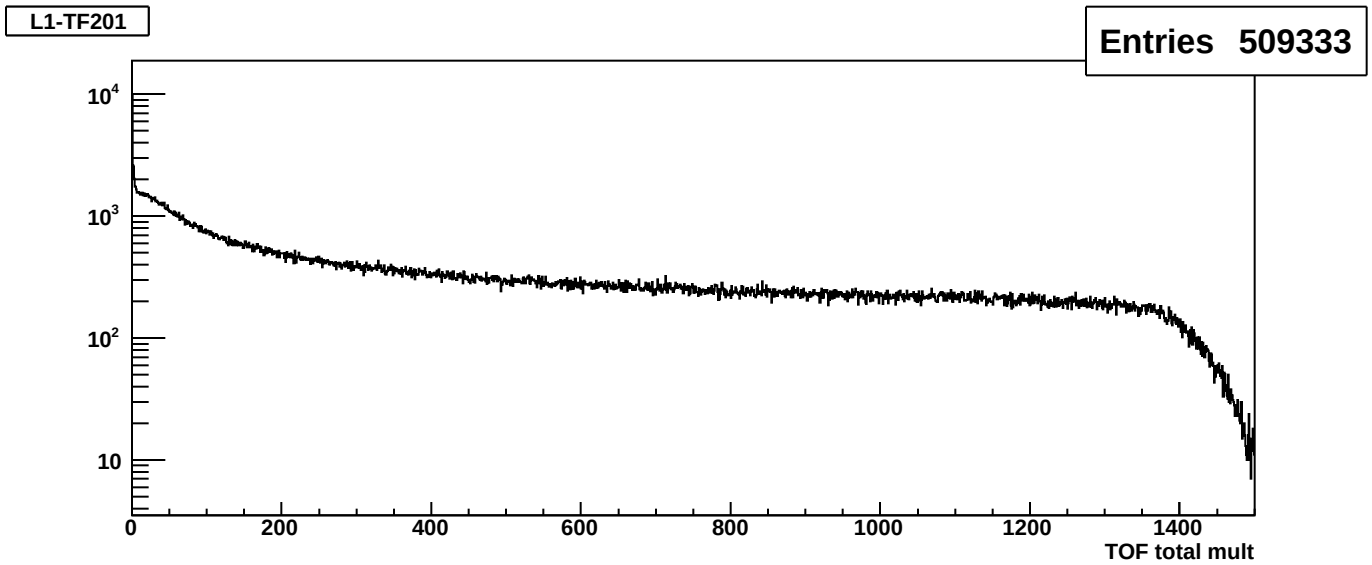

MIX-TF003
Entries 2.139199e+07
TOF MULT
TOF tray

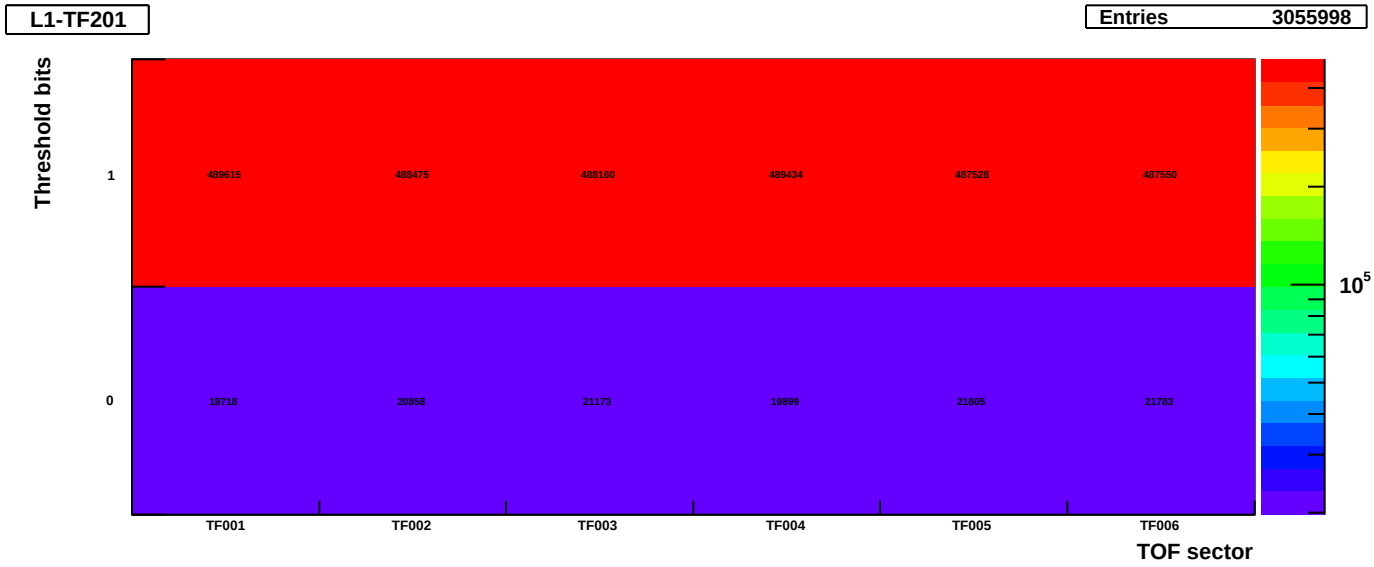

MIX-TF004
Entries 2.139199e+07
TOF MULT
TOF tray

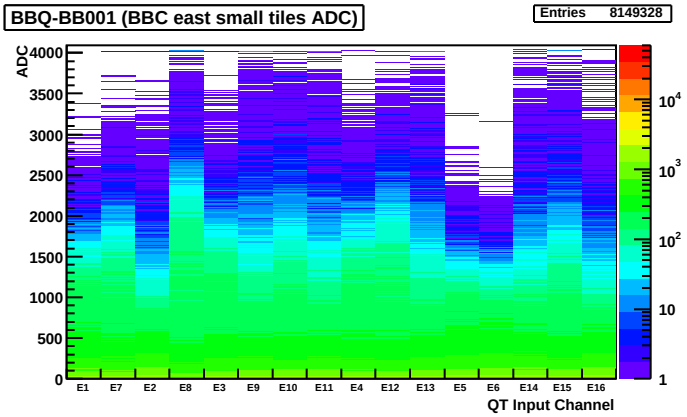

MIX-TF005
Entries 2.139199e+07
TOF MULT
TOF tray

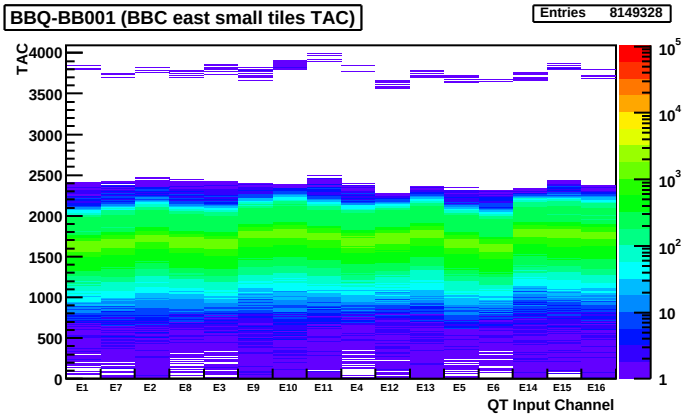

MIX-TF006
Entries 2.139199e+07
TOF MULT
TOF tray

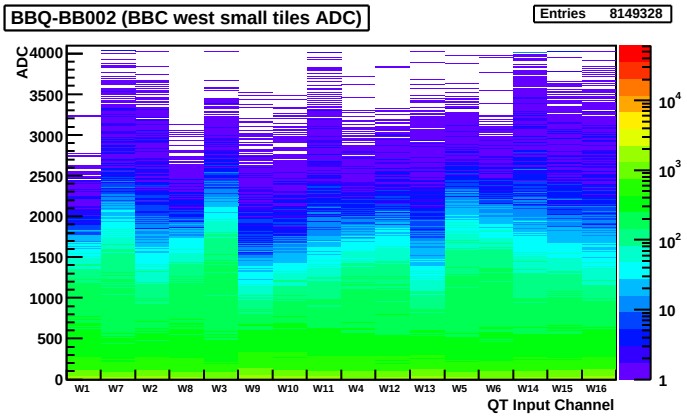

MIX-TF101
Entries 3055998
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

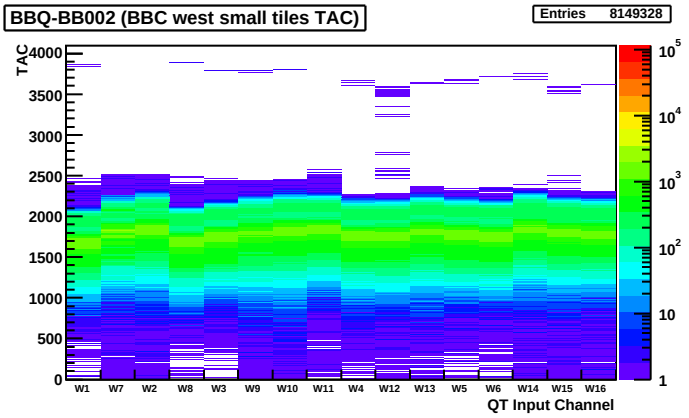

L1-TF201
Entries 509333
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

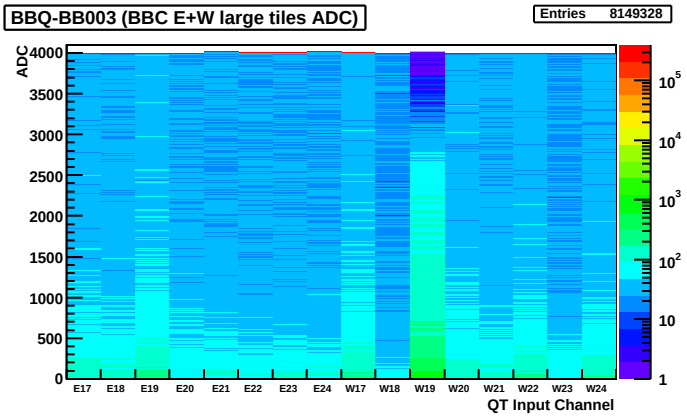

L1-TF201
Entries 3055998
Threshold bits
1
0
489615
488475
488160
489434
487528
487550
19718
20858
21173
19899
21805
21783
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

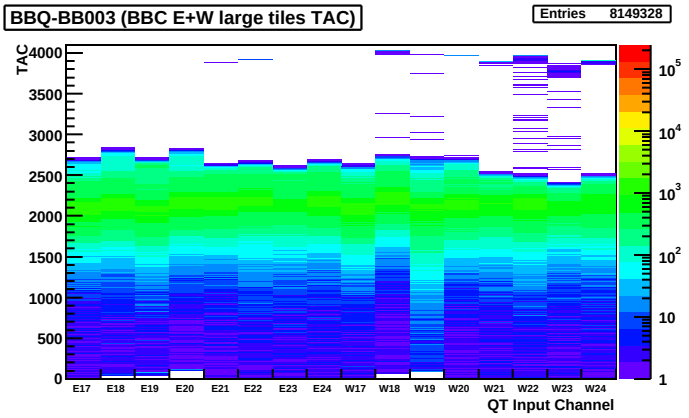

BBQ-BB001 (BBC east small tiles ADC)
Entries 8149328
ADC
QT Input Channel

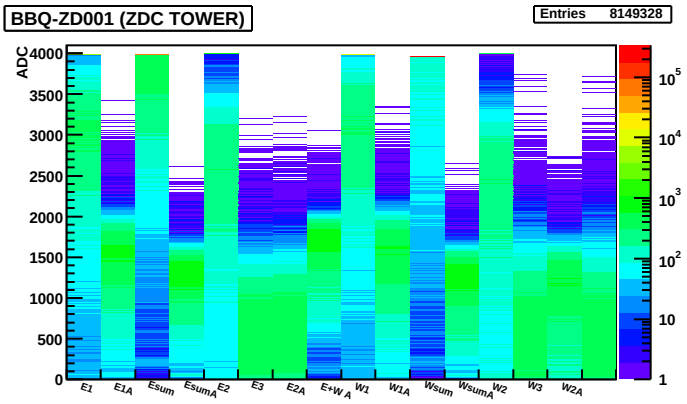

BBQ-BB001 (BBC east small tiles TAC)
Entries 8149328
TAC
QT Input Channel

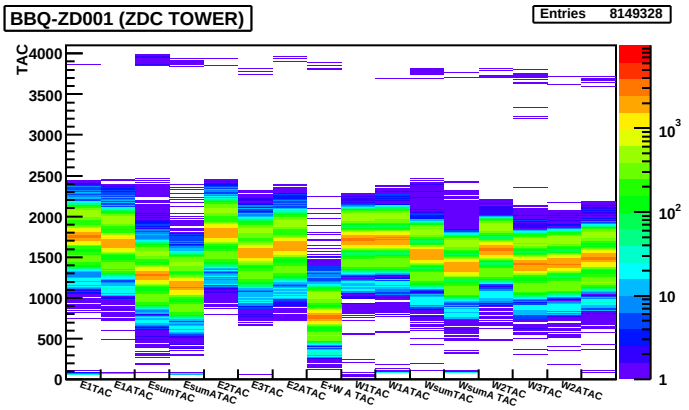

BBQ-BB002 (BBC west small tiles ADC)
Entries 8149328
ADC
QT Input Channel

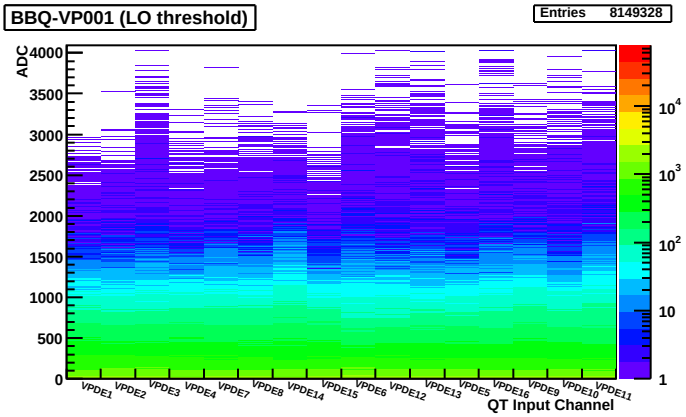

BBQ-BB002 (BBC west small tiles TAC)
Entries 8149328
TAC
QT Input Channel

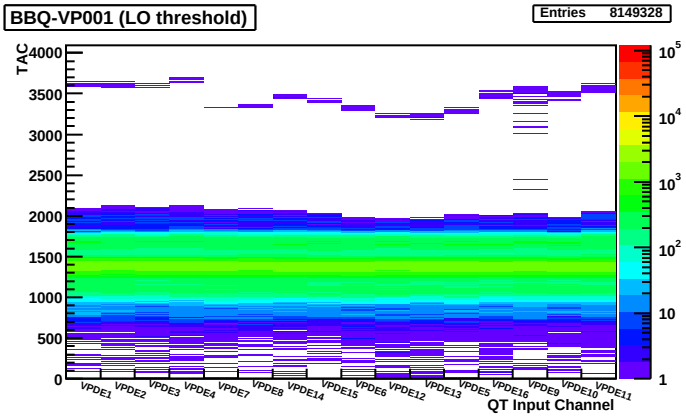

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 8149328
ADC
QT Input Channel

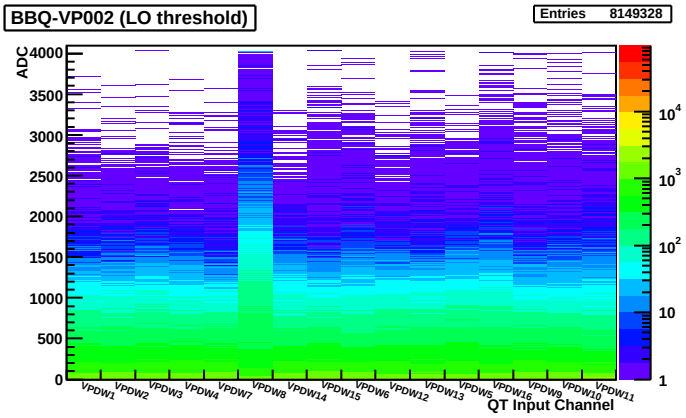

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 8149328
TAC
QT Input Channel

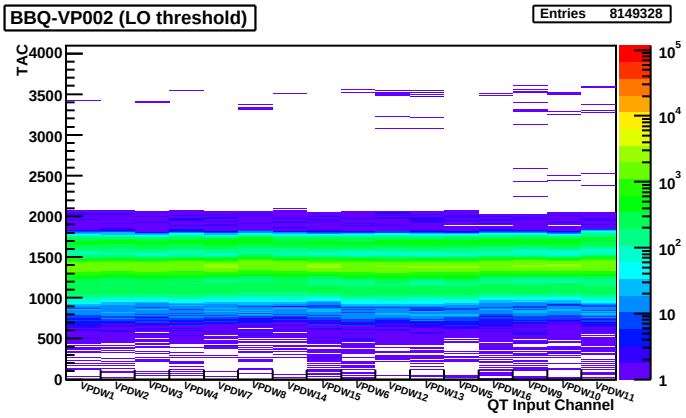

BBQ-ZD001 (ZDC TOWER)
Entries 8149328
ADC

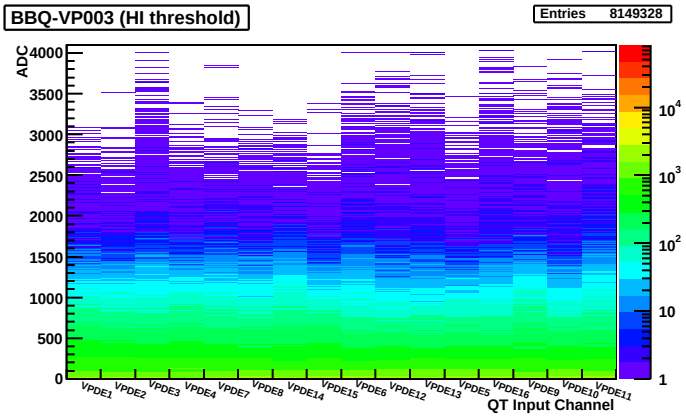

BBQ-ZD001 (ZDC TOWER)
Entries 8149328
TAC

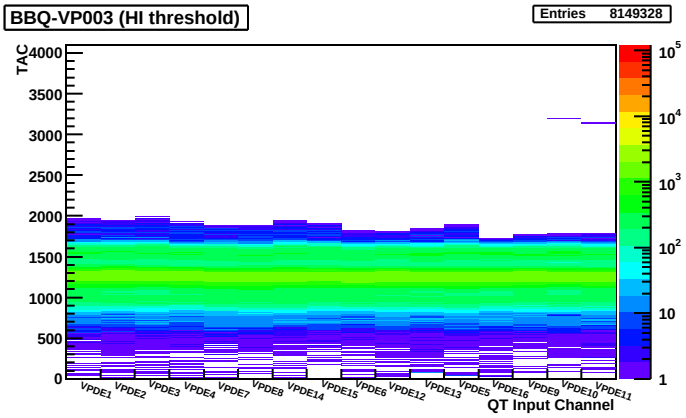

BBQ-VP001 (LO threshold)
Entries 8149328
ADC
QT Input Channel

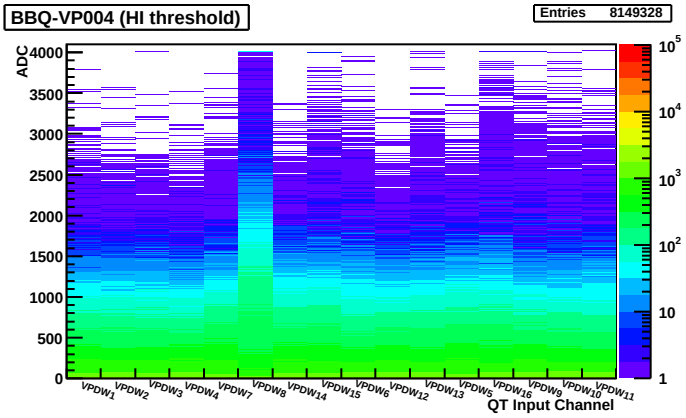

BBQ-VP001 (LO threshold)
Entries 8149328
TAC
QT Input Channel

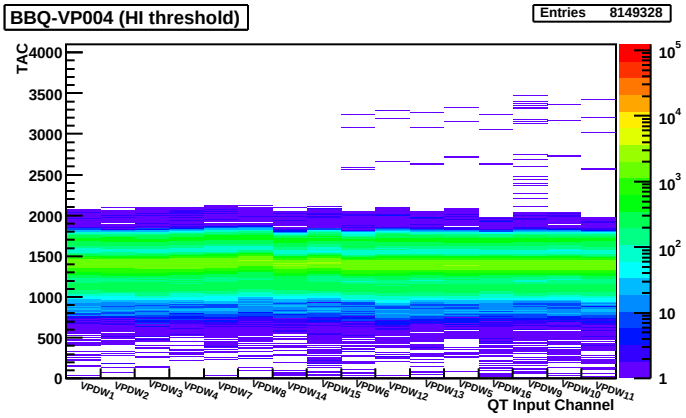

BBQ-VP002 (LO threshold)
Entries 8149328
ADC
QT Input Channel

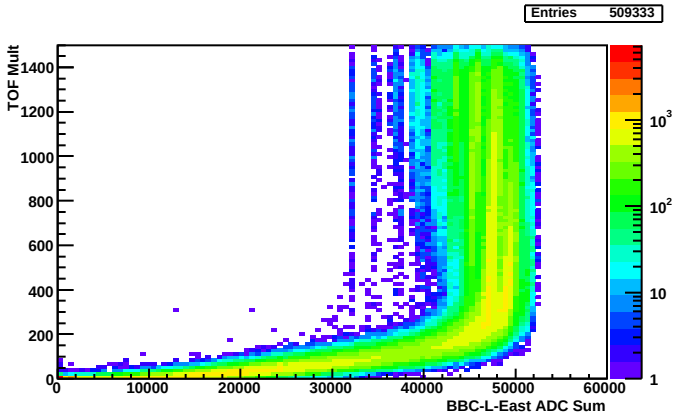

BBQ-VP002 (LO threshold)
Entries 8149328
TAC
QT Input Channel

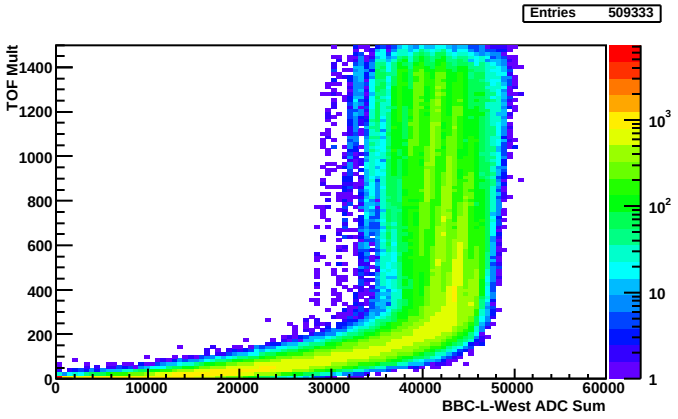

BBQ-VP003 (HI threshold)
Entries 8149328
ADC
QT Input Channel

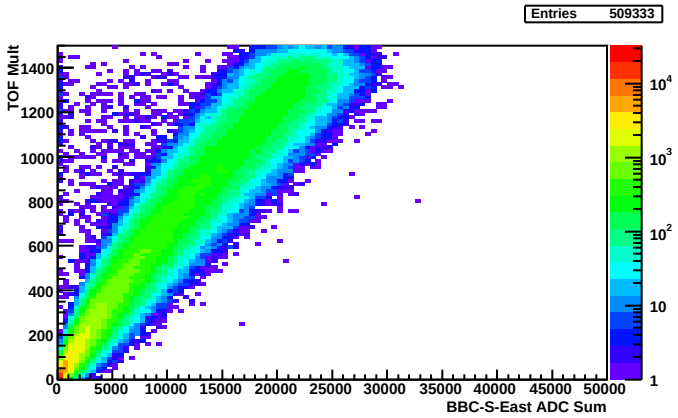

BBQ-VP003 (HI threshold)
Entries 8149328
TAC
QT Input Channel

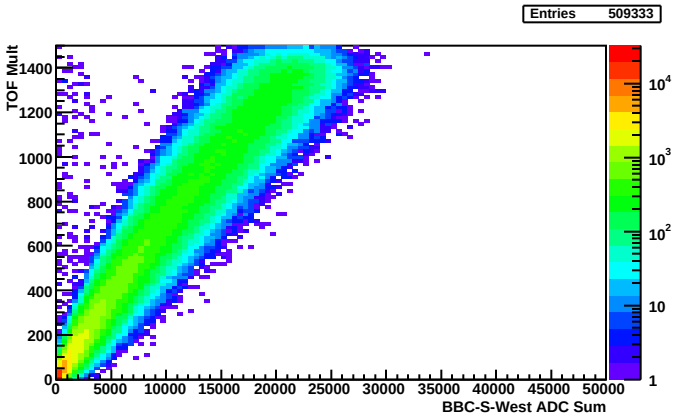

BBQ-VP004 (HI threshold)
Entries 8149328
ADC
QT Input Channel

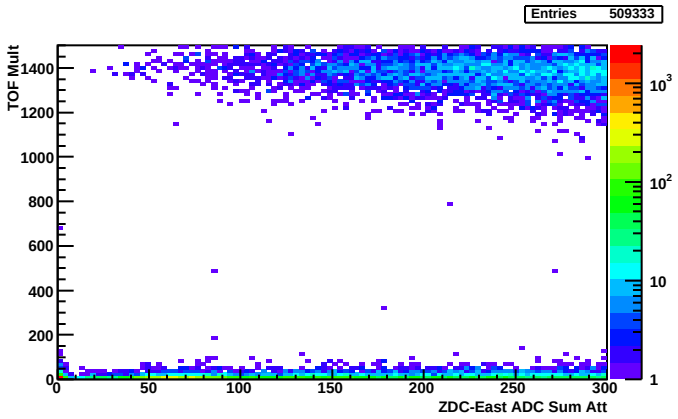

BBQ-VP004 (HI threshold)
Entries 8149328
TAC
QT Input Channel


Entries 509333
TOF Mult
BBC-L-East ADC Sum


Entries 509333
TOF Mult
BBC-L-West ADC Sum


Entries 509333
TOF Mult
BBC-S-East ADC Sum


Entries 509333
TOF Mult
BBC-S-West ADC Sum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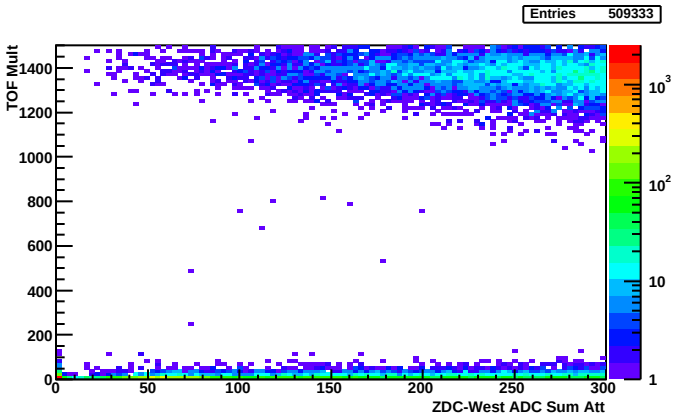
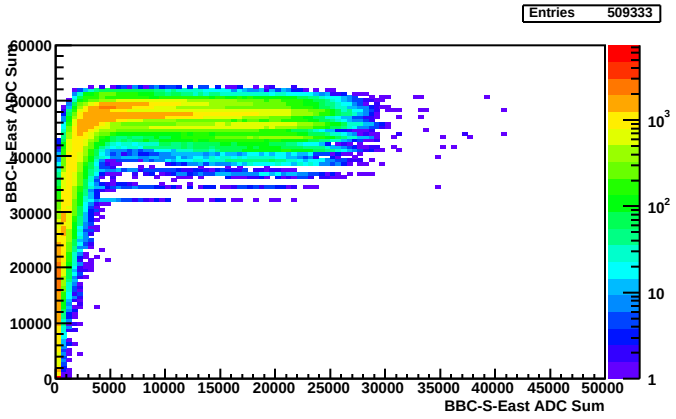
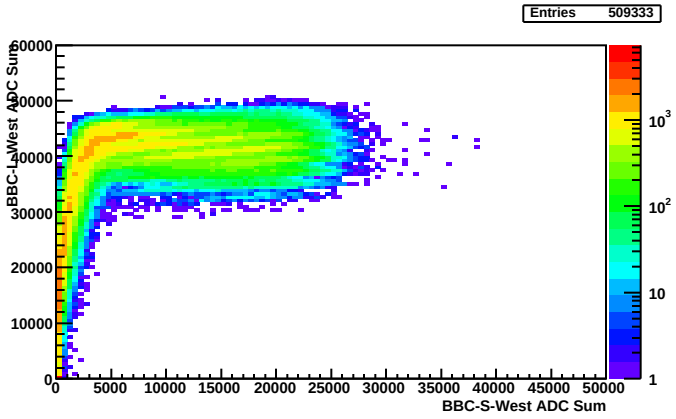
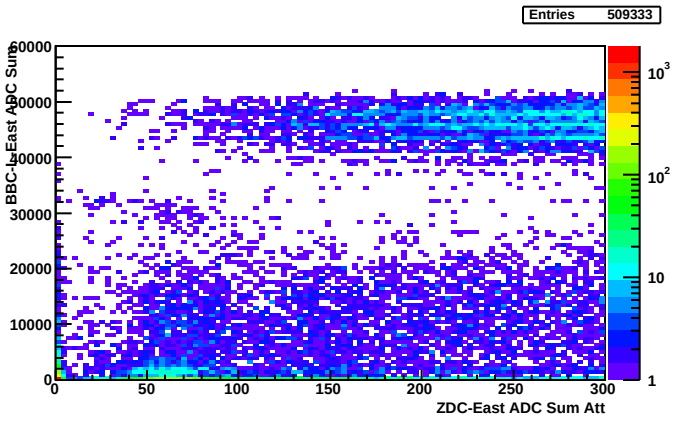
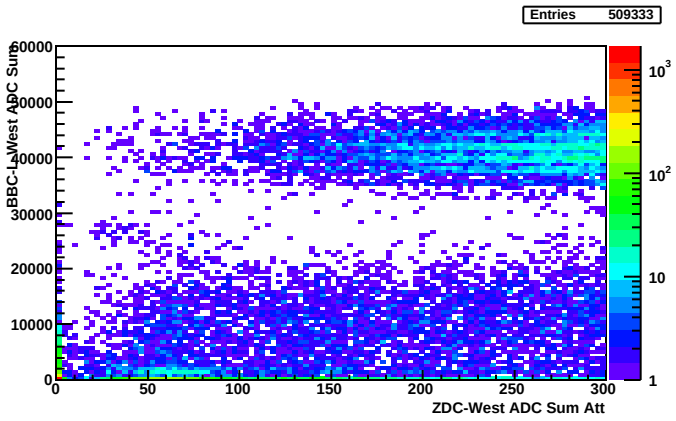
TOF Mult
ZDC-East ADC Sum Att


Entries 509333
TOF Mult
ZDC-West ADC Sum Att


Entries 509333
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 509333
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 509333
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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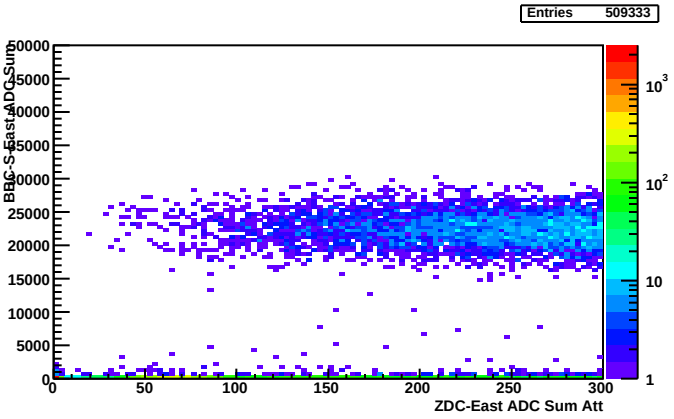
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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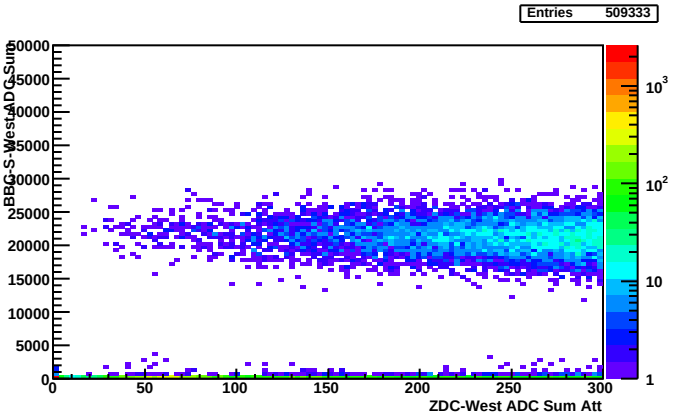
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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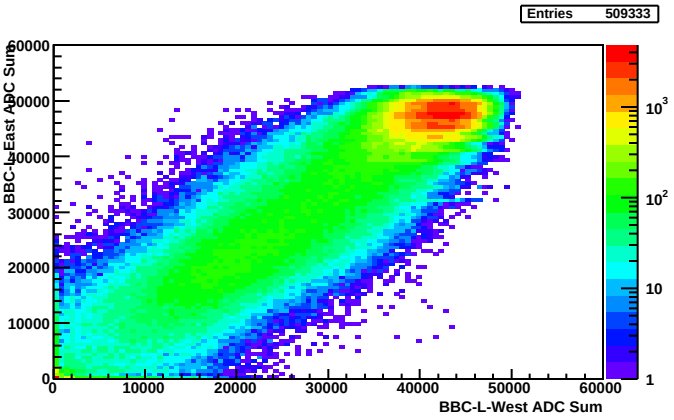
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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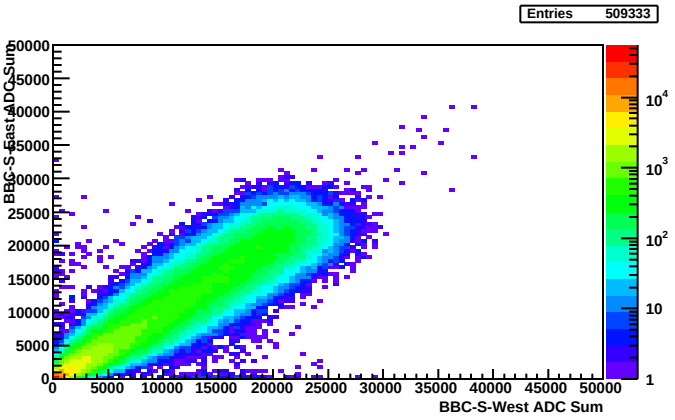
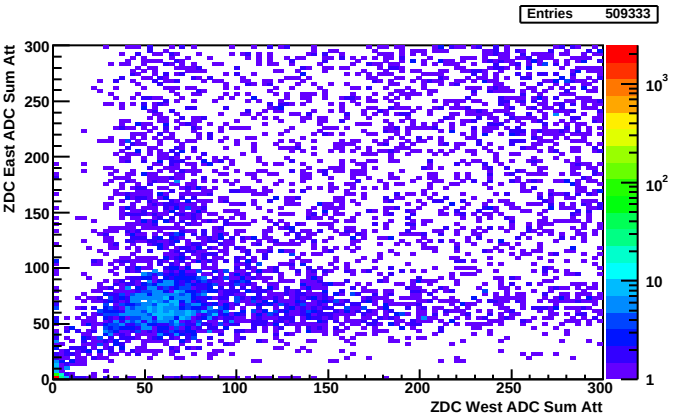
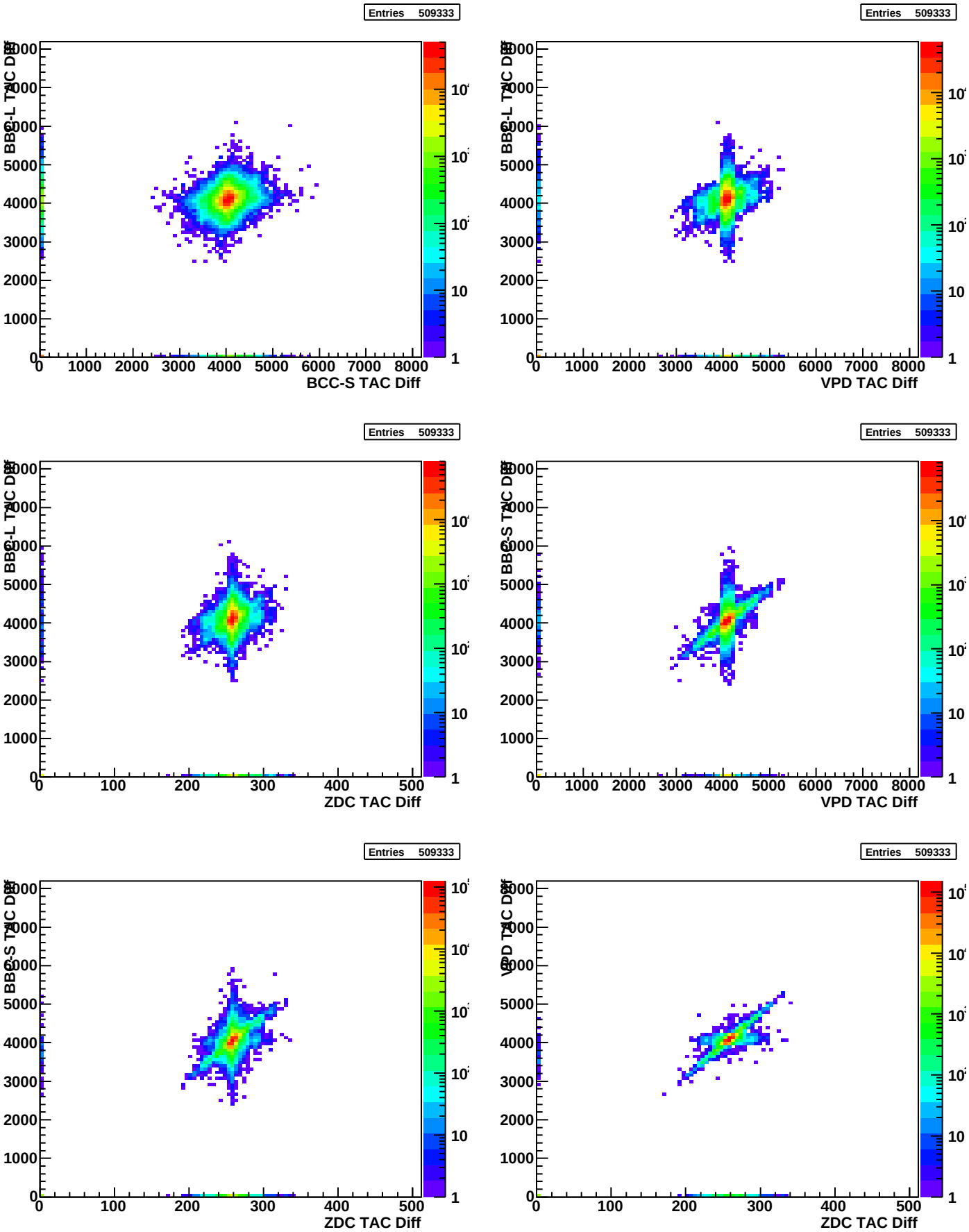
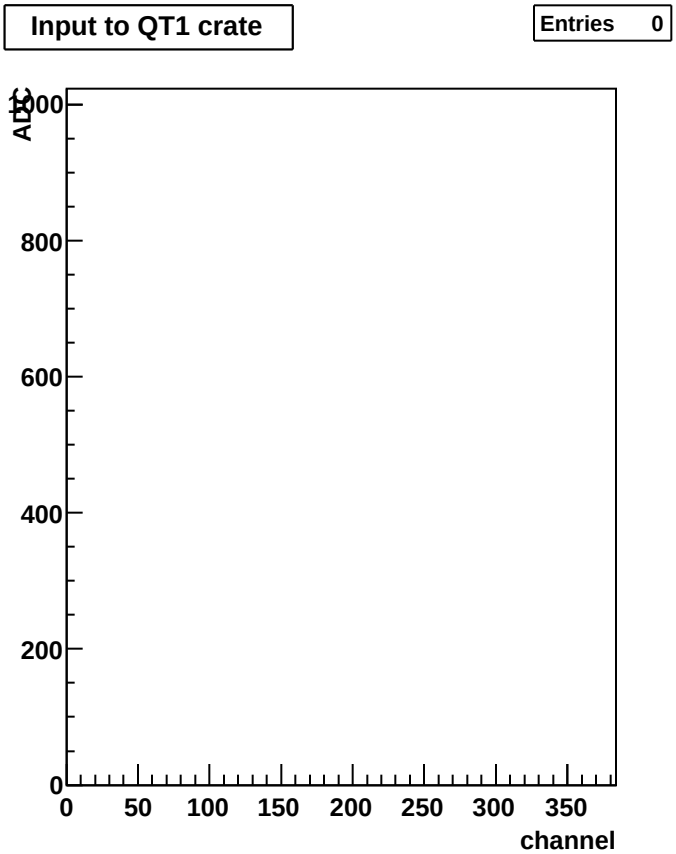
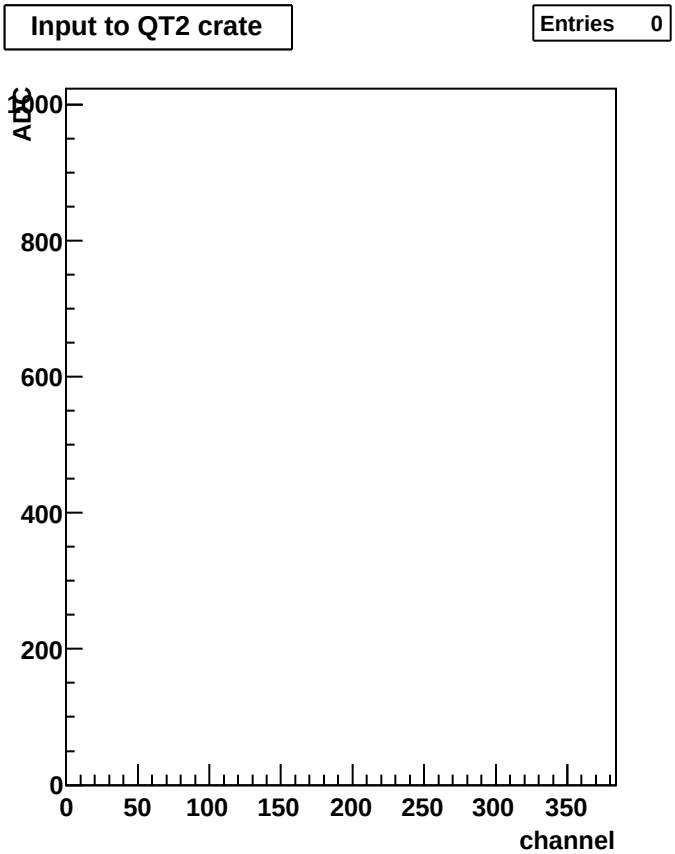
BBC-L-East ADC Sum
BBC-L-West ADC Sum

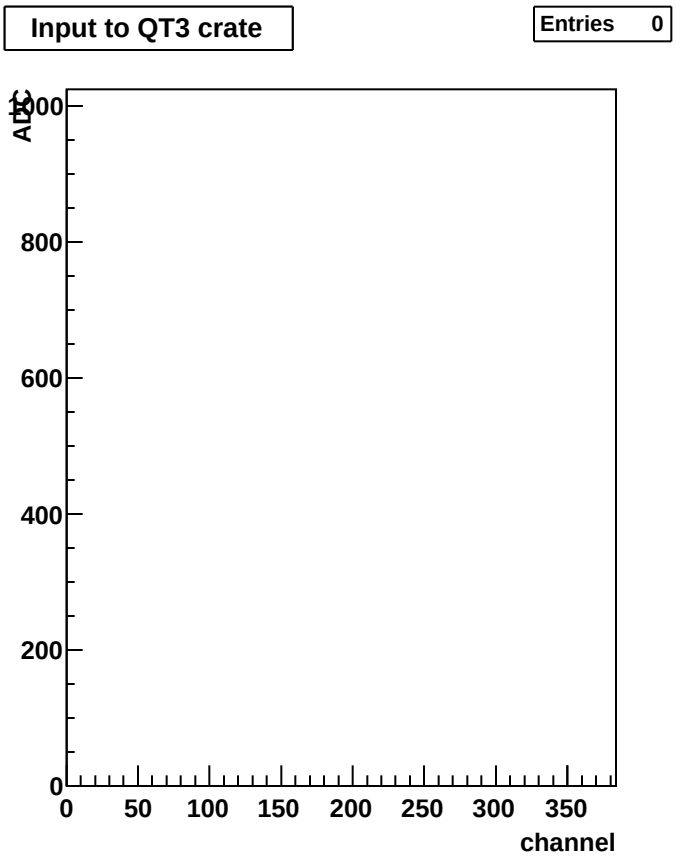

Entries 509333
BBC-S-East ADC Sum
BBC-S-West ADC Sum

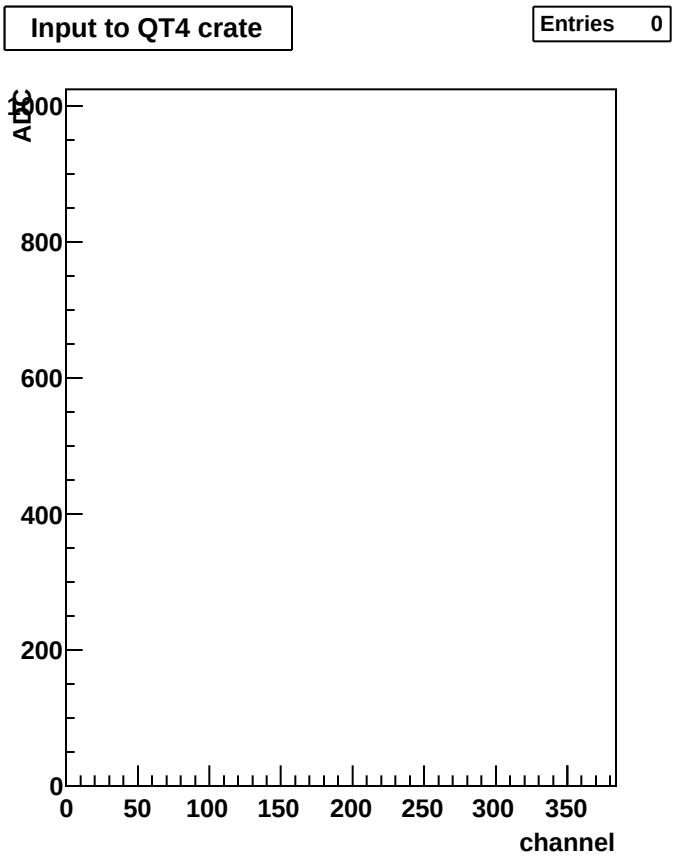

Entries 509333
ZDC East ADC Sum Att
ZDC West ADC Sum Att

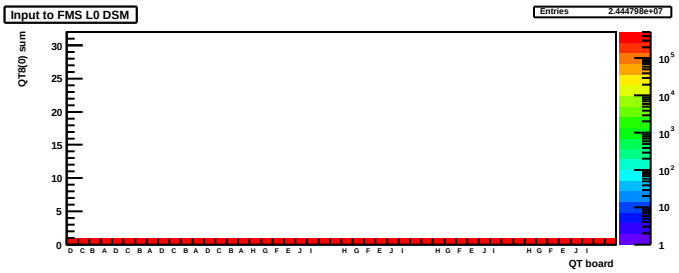

Entries 509333
BBC-L TAC Diff
BCC-S TAC Diff
Entries 509333
BBC-L TAC Diff
VPD TAC Diff
Entries 509333
BBC-L TAC Diff
ZDC TAC Diff
Entries 509333
BBC-S TAC Diff
VPD TAC Diff
Entries 509333
BBC-S TAC Diff
ZDC TAC Diff
Entries 509333
VPD TAC Diff
ZDC TAC Diff

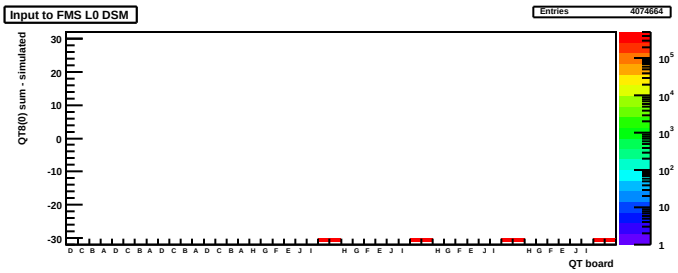

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

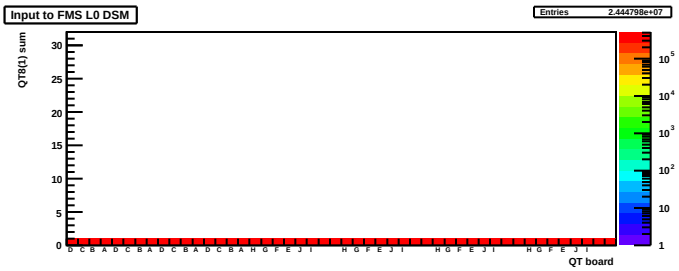

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

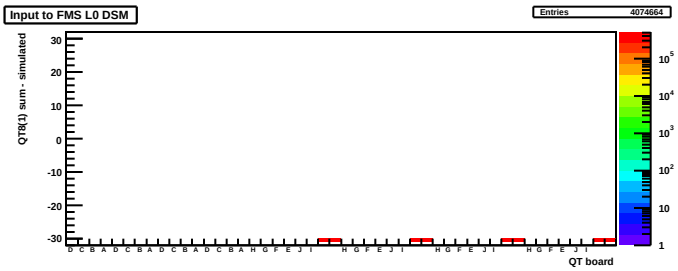

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

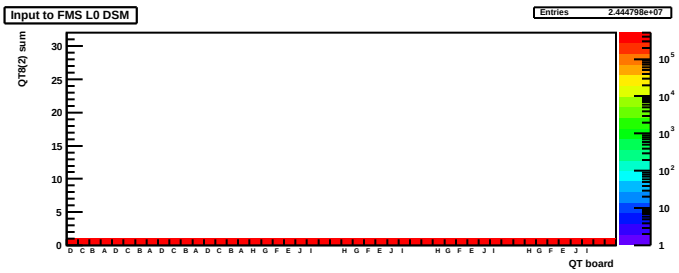

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

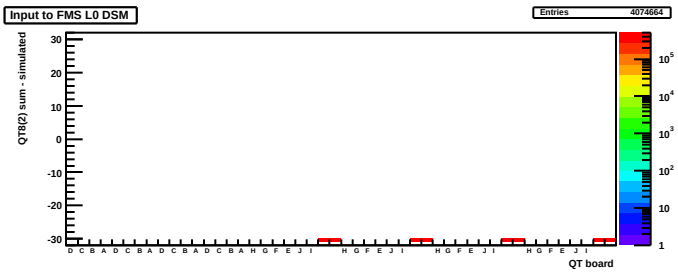

Input to FMS L0 DSM
Entries 2.444798e+07
QT8(0) sum
QT board

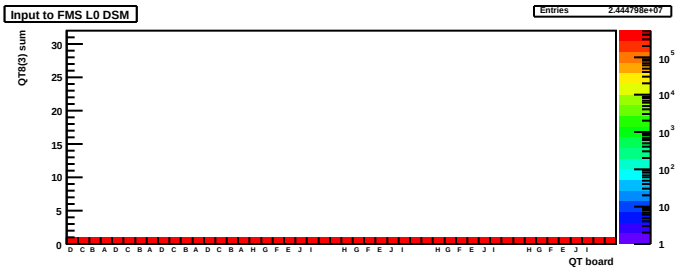

Input to FMS L0 DSM
Entries 4074664
QT8(0) sum - simulated
QT board

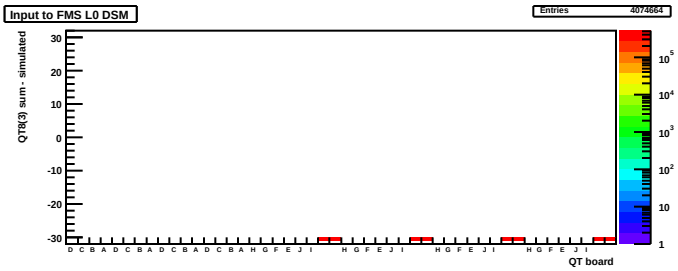

Input to FMS L0 DSM
Entries 2.444798e+07
QT8(1) sum
QT board

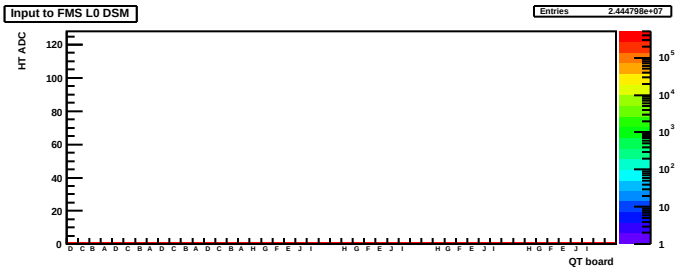

Input to FMS L0 DSM
Entries 4074664
QT8(1) sum - simulated
QT board

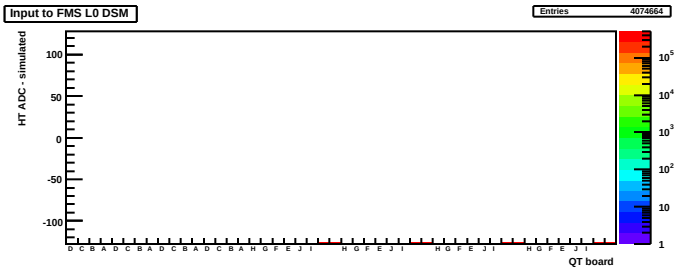

Input to FMS L0 DSM
Entries 2.444798e+07
QT8(2) sum
QT board

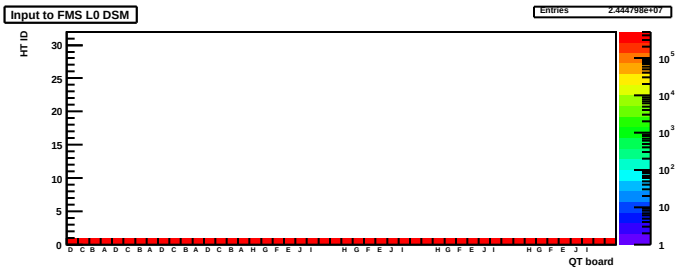

Input to FMS L0 DSM
Entries 4074664
QT8(2) sum - simulated
QT board

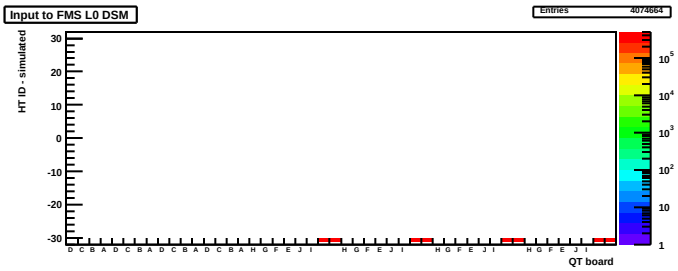

Input to FMS L0 DSM
Entries 2.444798e+07
QT8(3) sum
QT board

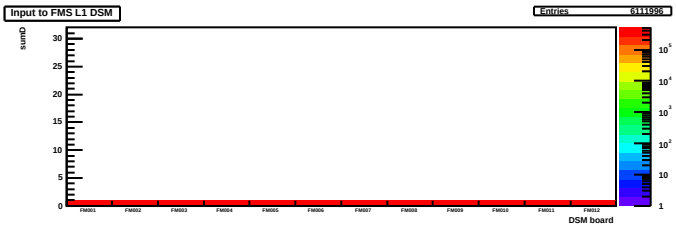

Input to FMS L0 DSM
Entries 4074664
QT8(3) sum - simulated
QT board

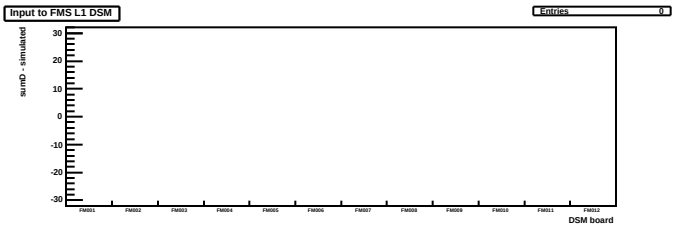

Input to FMS L0 DSM
Entries 2.444798e+07
HT ADC
QT board

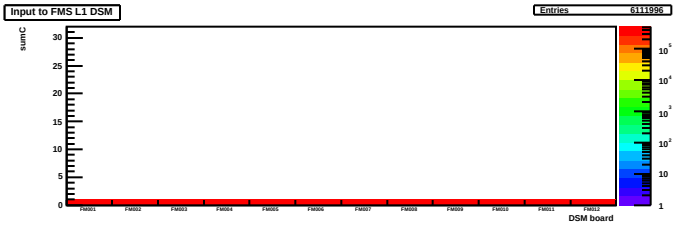

Input to FMS L0 DSM
Entries 4074664
HT ADC - simulated
QT board

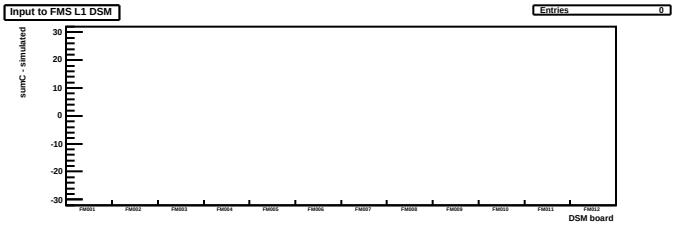

Input to FMS L0 DSM
Entries 2.444798e+07
HT ID
QT board

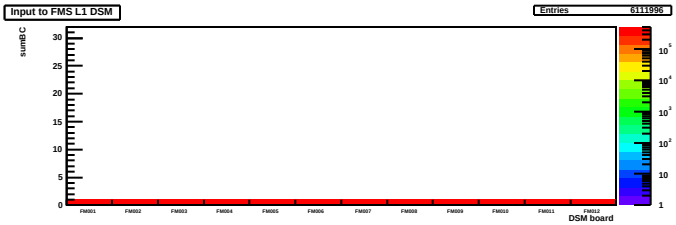

Input to FMS L0 DSM
Entries 4074664
HT ID - simulated
QT board

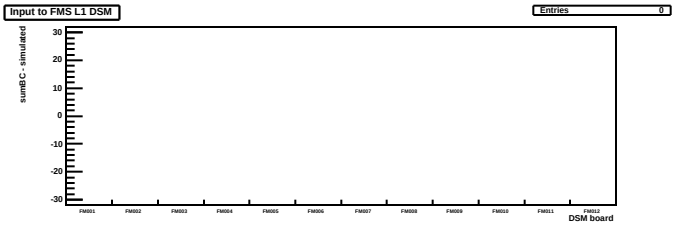

Input to FMS L1 DSM
Entries 6111996
sumD
DSM board

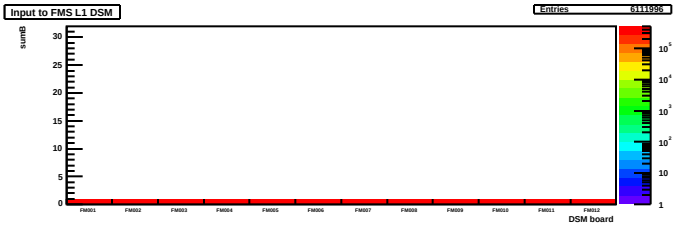

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

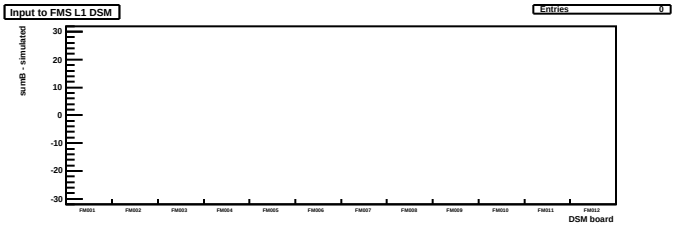

Input to FMS L1 DSM
Entries 6111996
sumC
DSM board

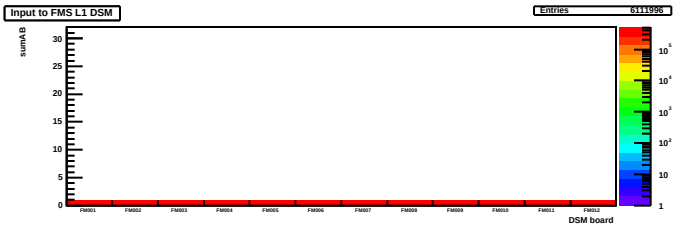

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

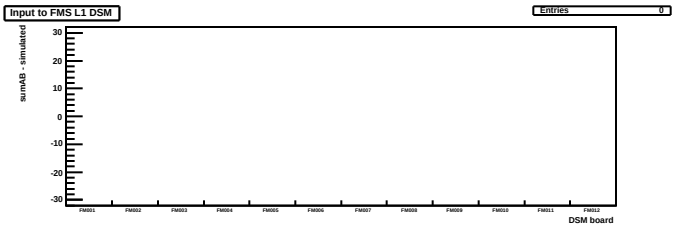

Input to FMS L1 DSM
Entries 6111996
sumBC
DSM board

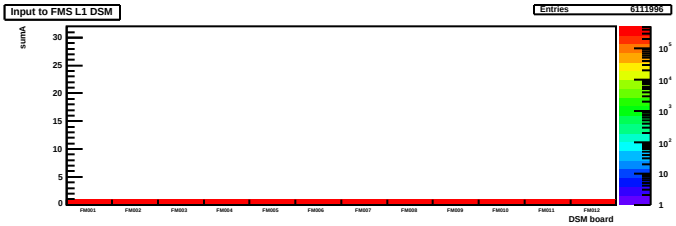

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

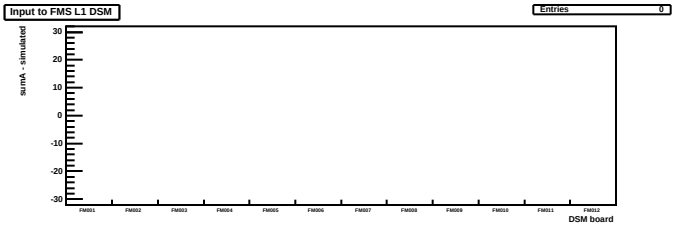

Input to FMS L1 DSM
Entries 6111996
sumB
DSM board

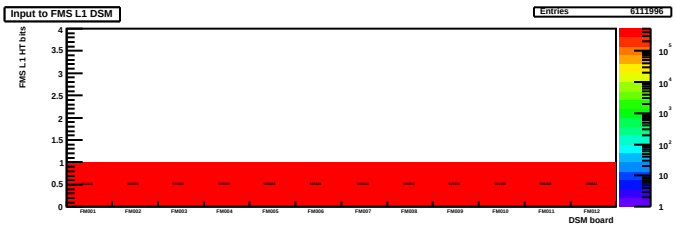

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

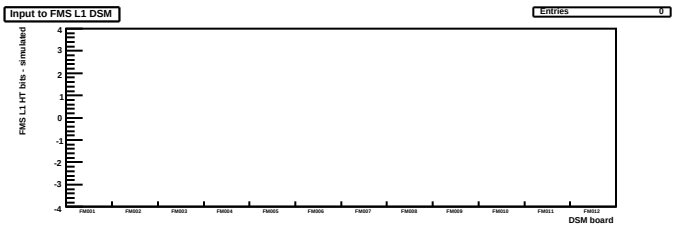

Input to FMS L1 DSM
Entries 6111996
sumAB
DSM board

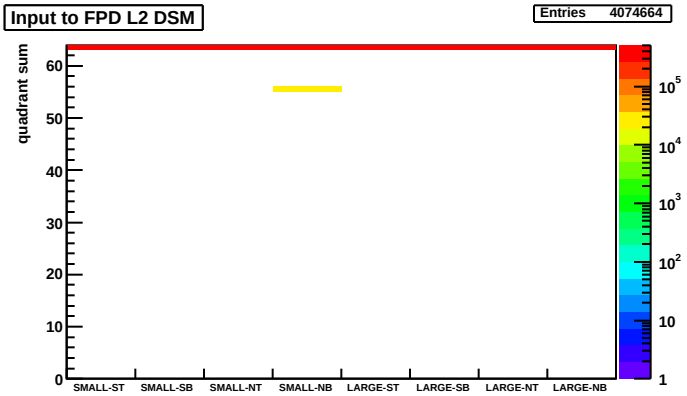

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

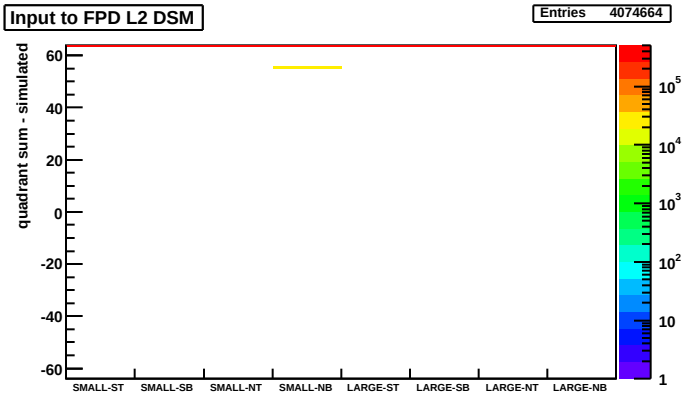

Input to FMS L1 DSM
Entries 6111996
sumA
DSM board

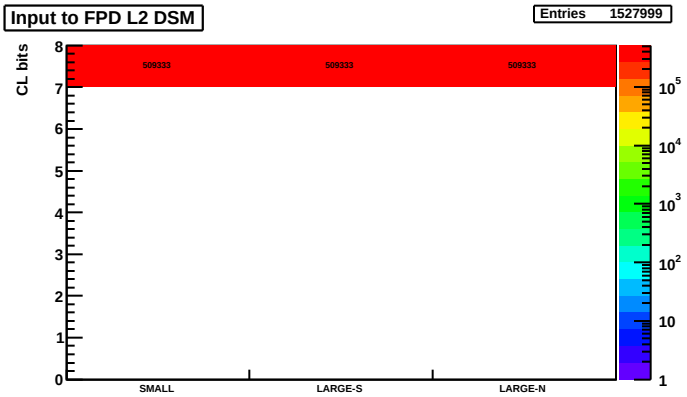

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

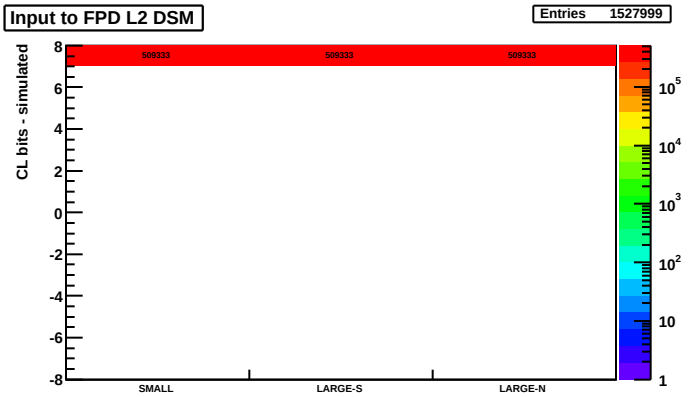

Input to FMS L1 DSM
Entries 6111996
FMS L1 HT bits
DSM board

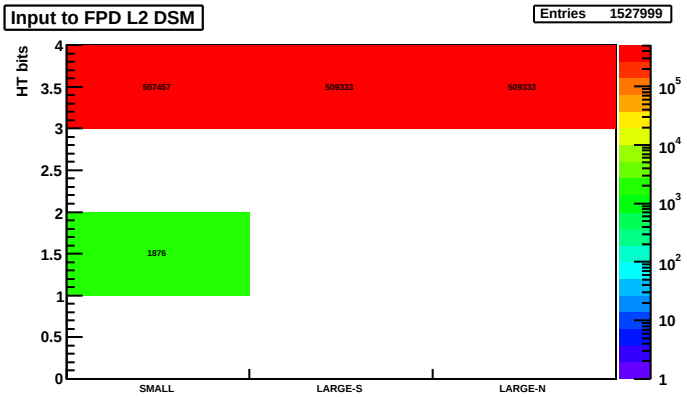

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

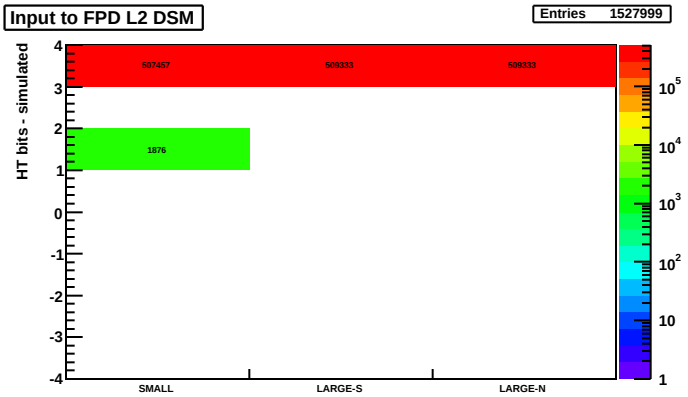

Input to FPD L2 DSM
Entries 4074664
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

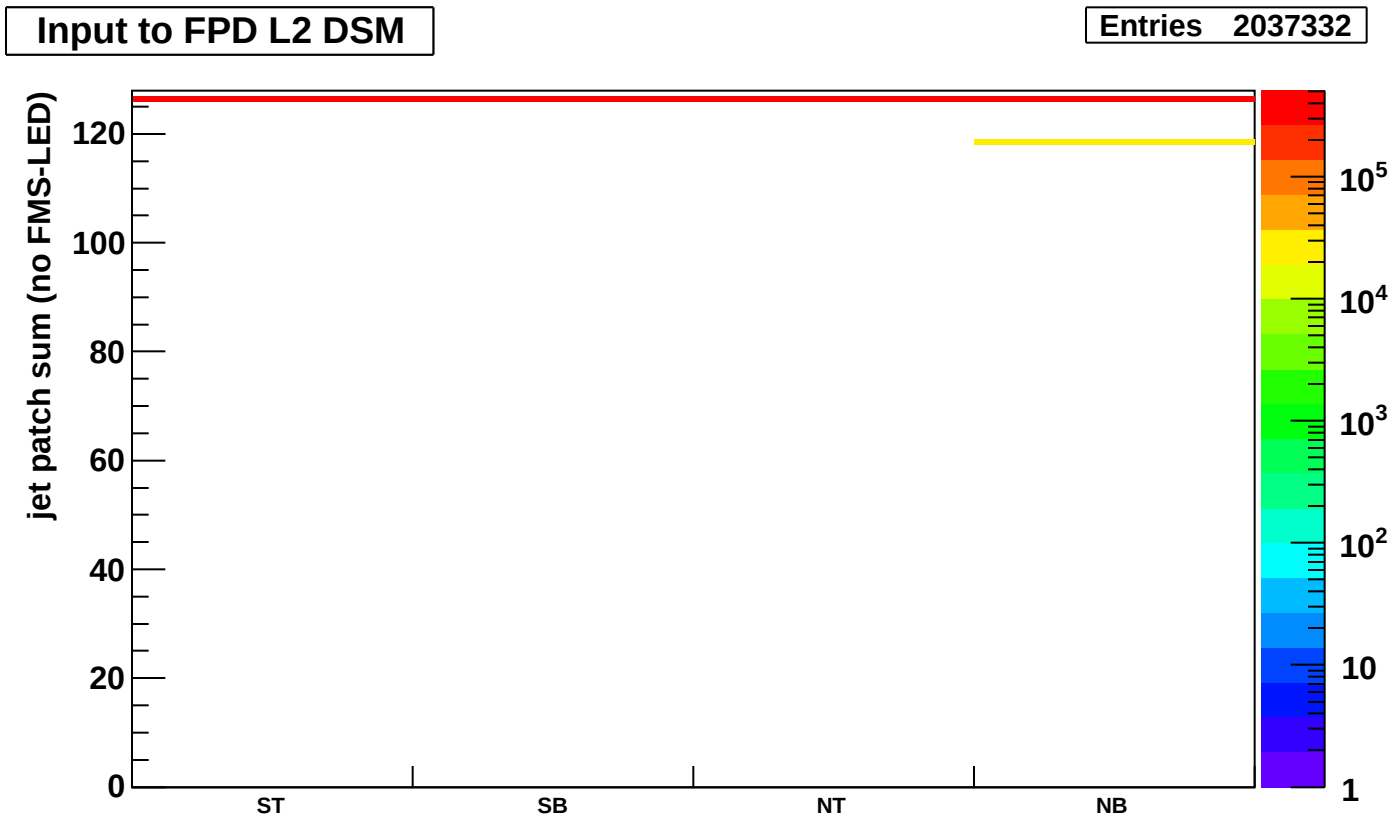

Input to FPD L2 DSM
Entries 4074664
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

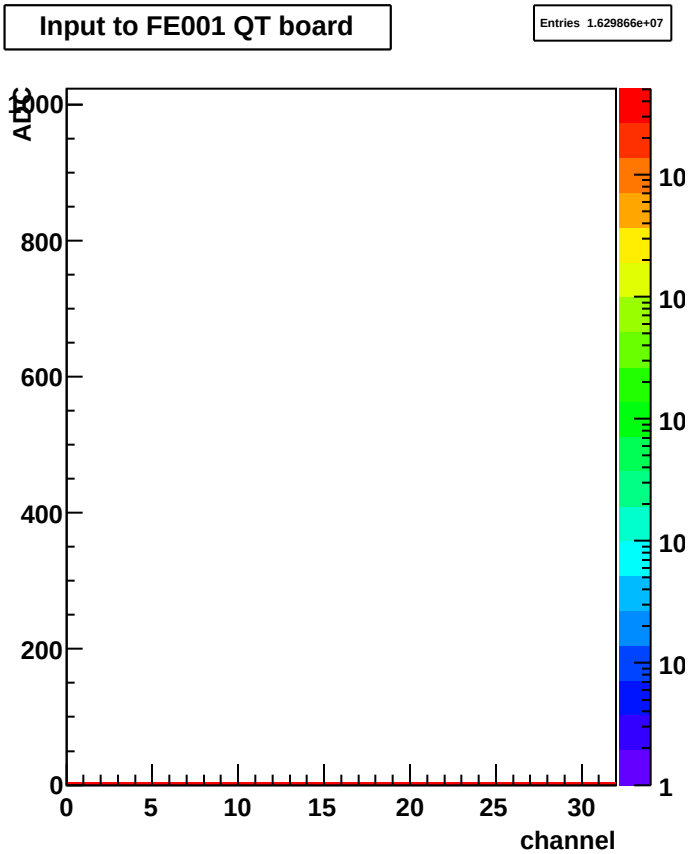

Input to FPD L2 DSM
Entries 1527999
CL bits
509333
509333
509333
SMALL
LARGE-S
LARGE-N

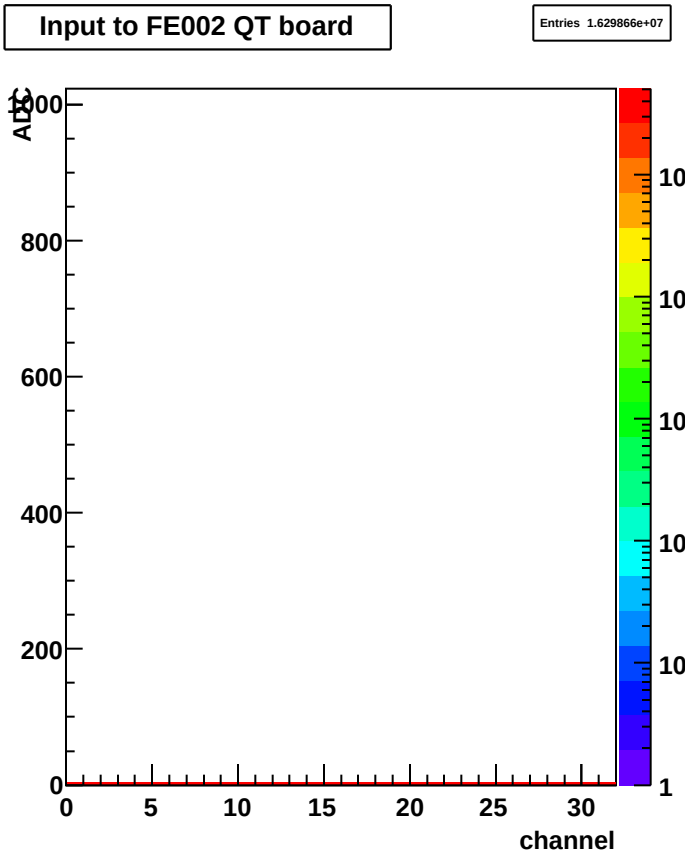

Input to FPD L2 DSM
Entries 1527999
CL bits - simulated
509333
509333
509333
SMALL
LARGE-S
LARGE-N

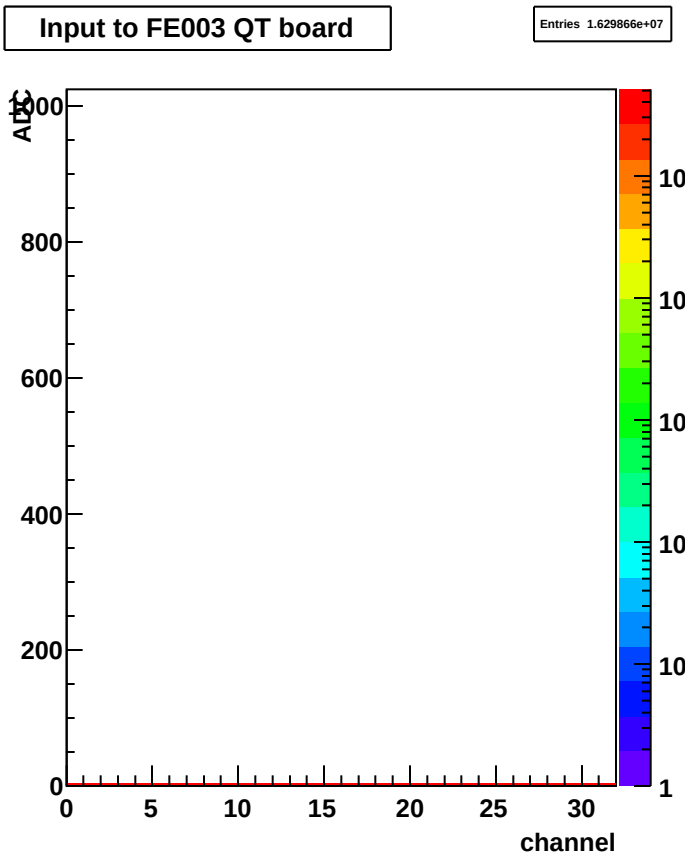

Input to FPD L2 DSM
Entries 1527999
HT bits
507457
509333
509333
1876
SMALL
LARGE-S
LARGE-N

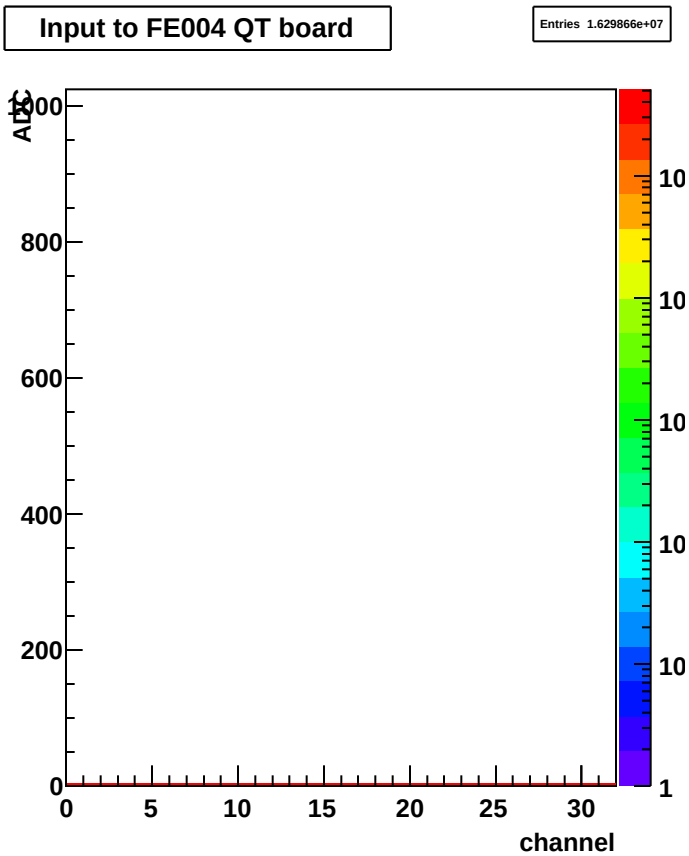

Input to FPD L2 DSM
Entries 1527999
HT bits - simulated
507457
509333
509333
1876
SMALL
LARGE-S
LARGE-N

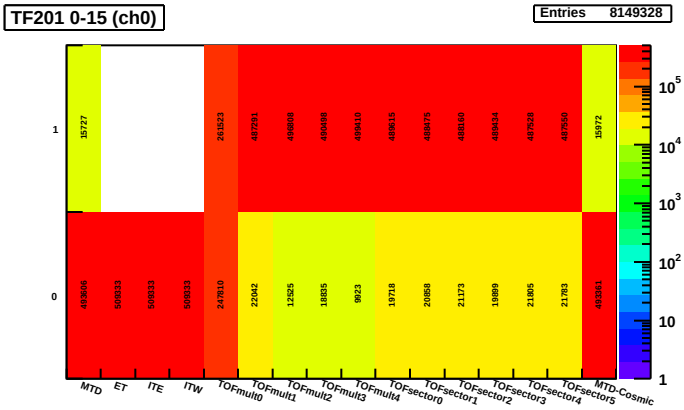

Input to FPD L2 DSM
Entries 2037332
jet patch sum (no FMS-LED)
120
100
80
60
40
20
0
ST
SB
NT
NB
10^5
10^4
10^3
10^2
10
1

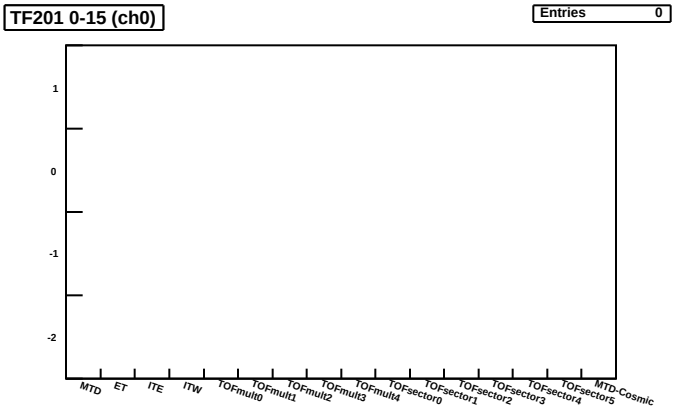

Input to FE001 QT board
Entries 1.629866e+07
ADC
channel

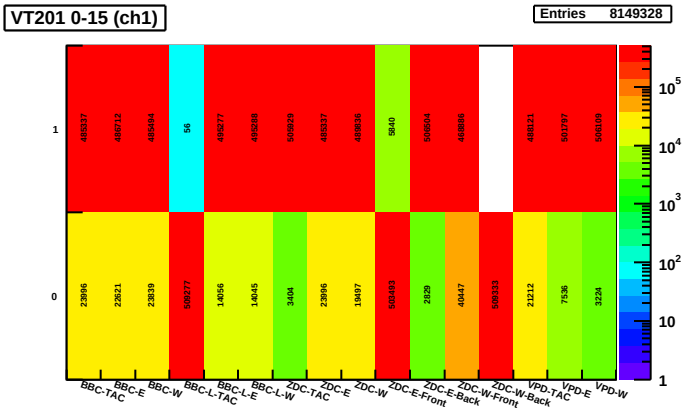

Input to FE002 QT board
Entries 1.629866e+07
ADC
channel

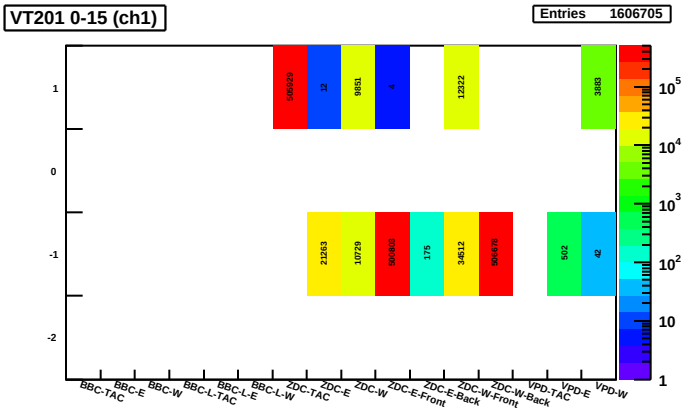

Input to FE003 QT board
Entries 1.629866e+07
ADC
channel

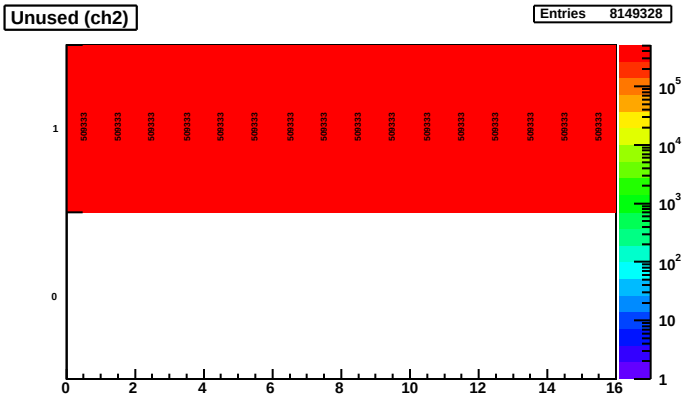

Input to FE004 QT board
Entries 1.629866e+07
ADC
channel

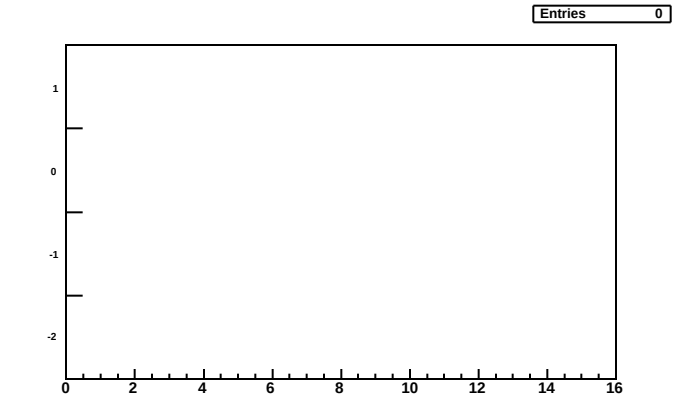

TF201 0-15 (ch0)
Entries 8149328
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

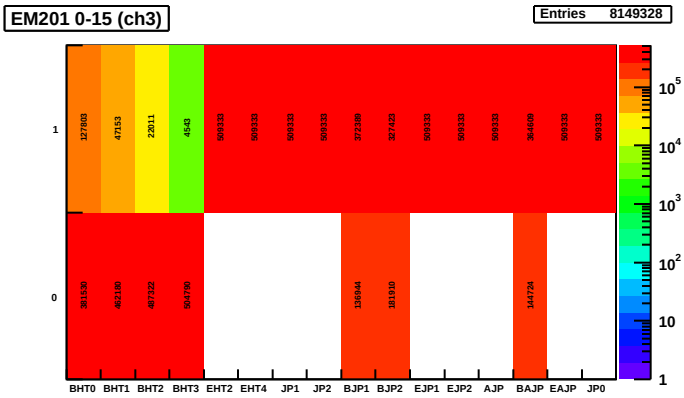

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

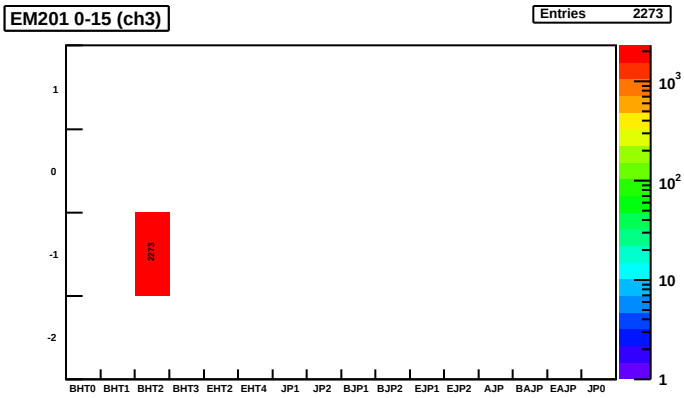

VT201 0-15 (ch1)
Entries 8149328
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 1606705
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

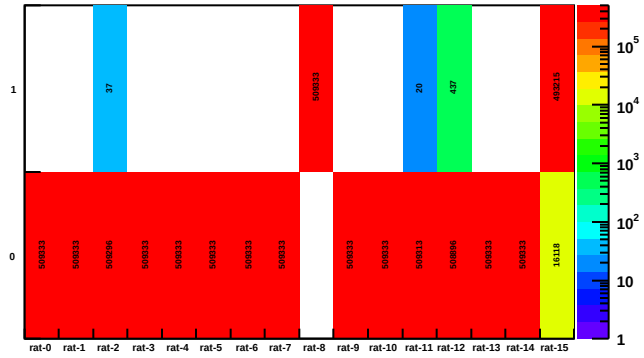

Unused (ch2)
Entries 8149328

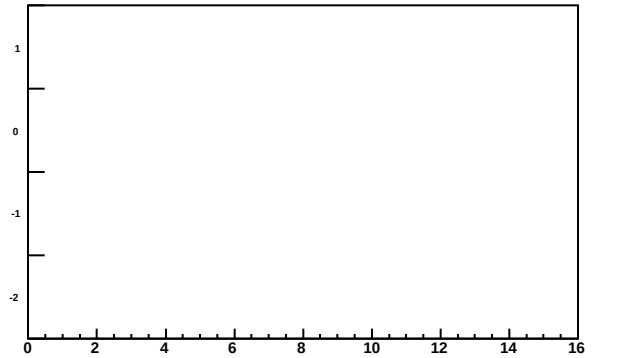

Entries 0


EM201 0-15 (ch3)
Entries 8149328
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

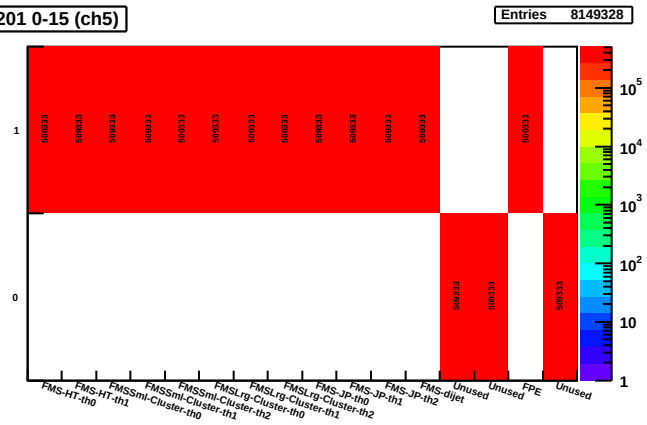

EM201 0-15 (ch3)
Entries 2273
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

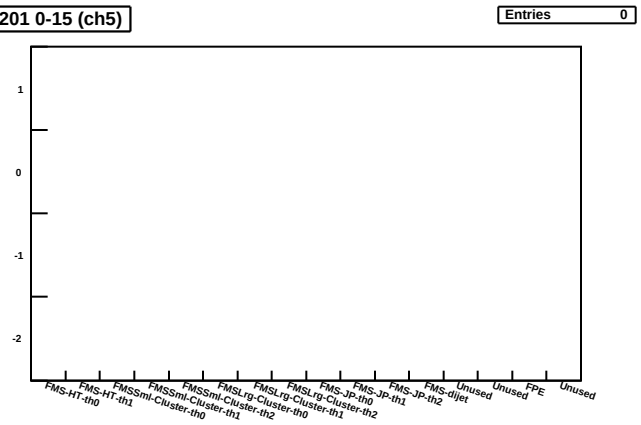




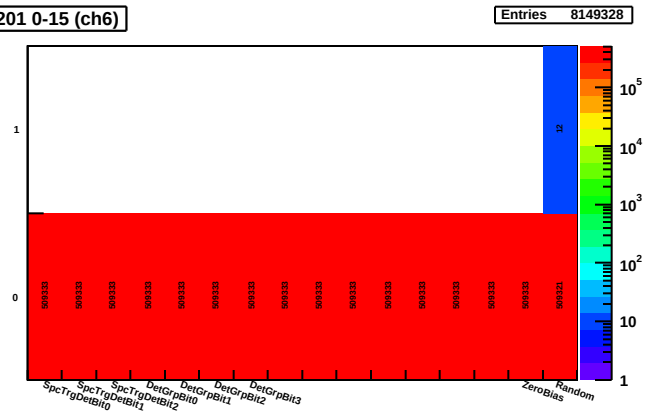
FP201 0-15 (ch5)

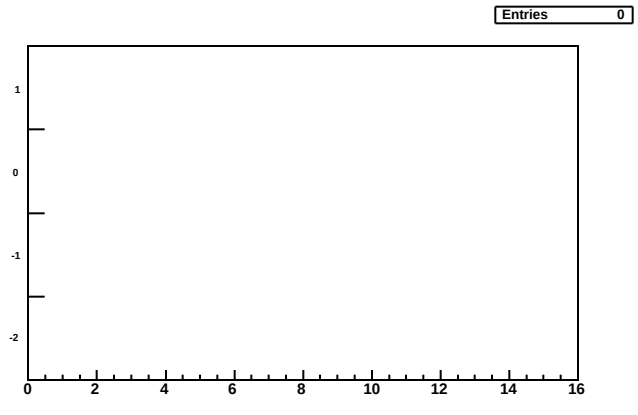
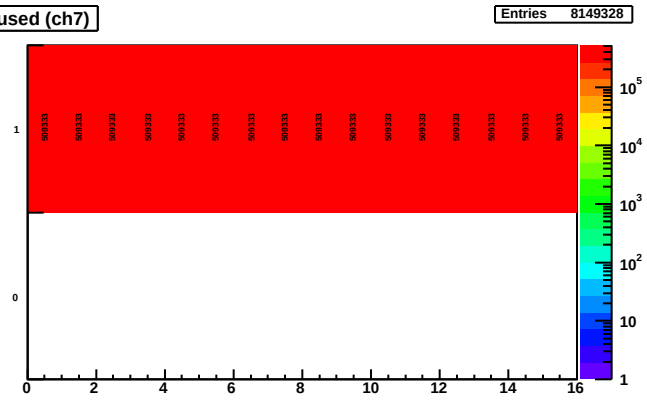
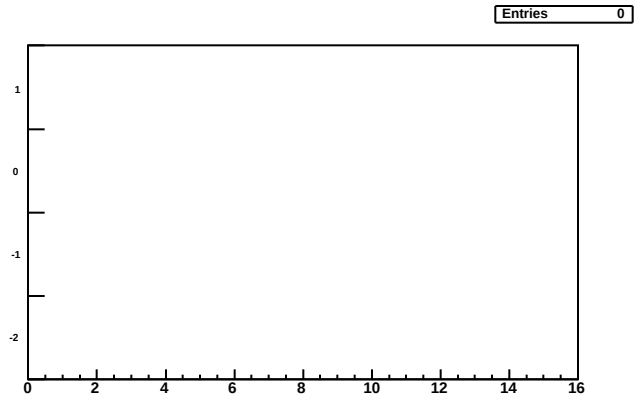


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)