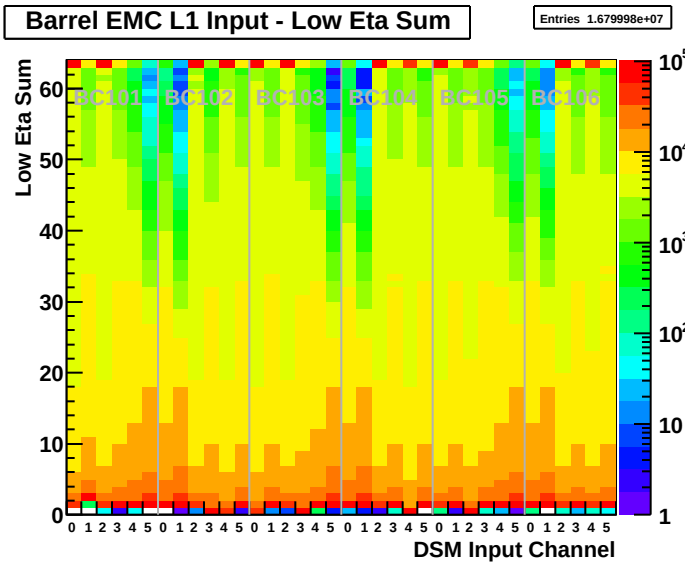
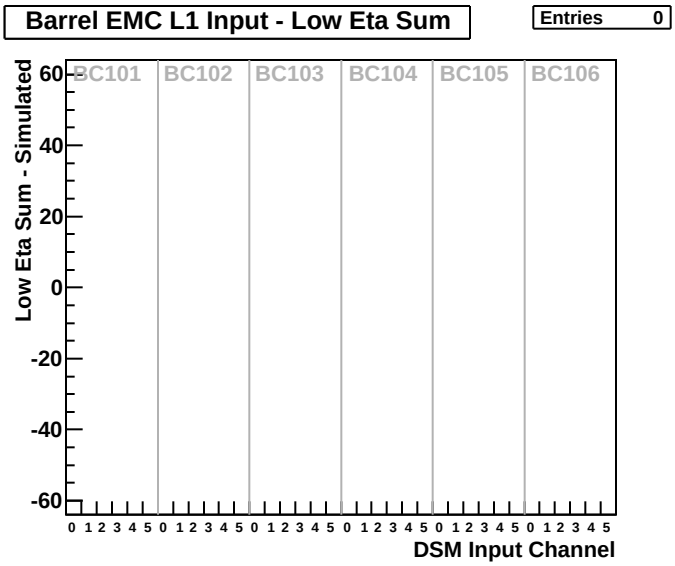
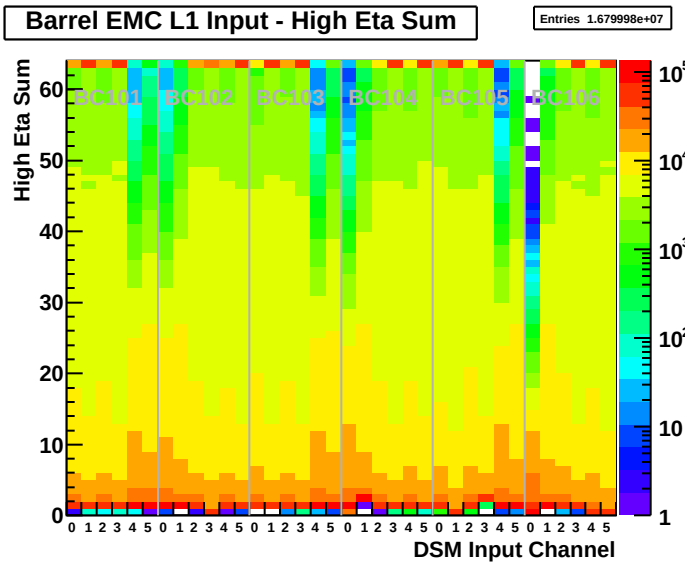
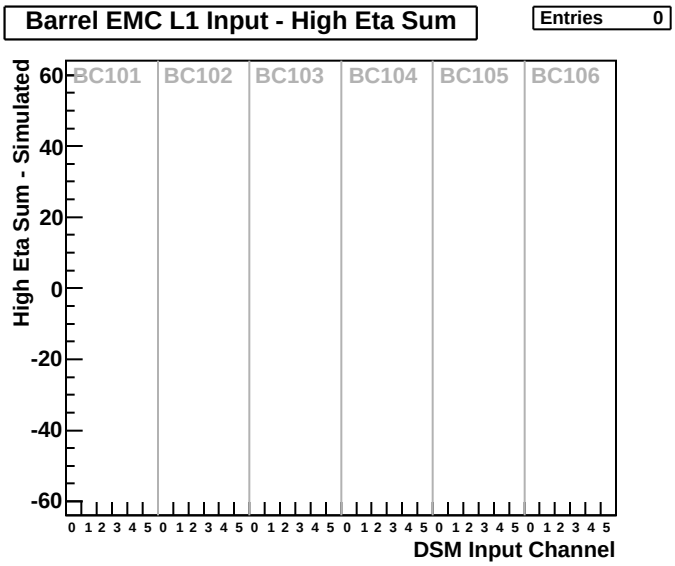
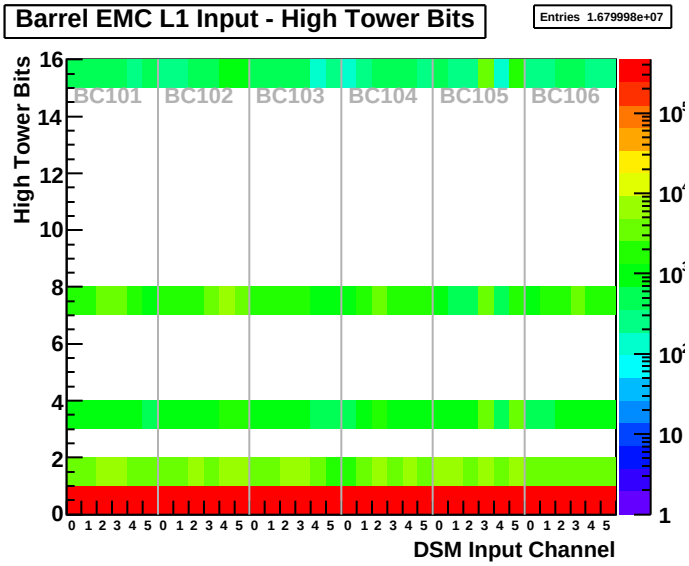
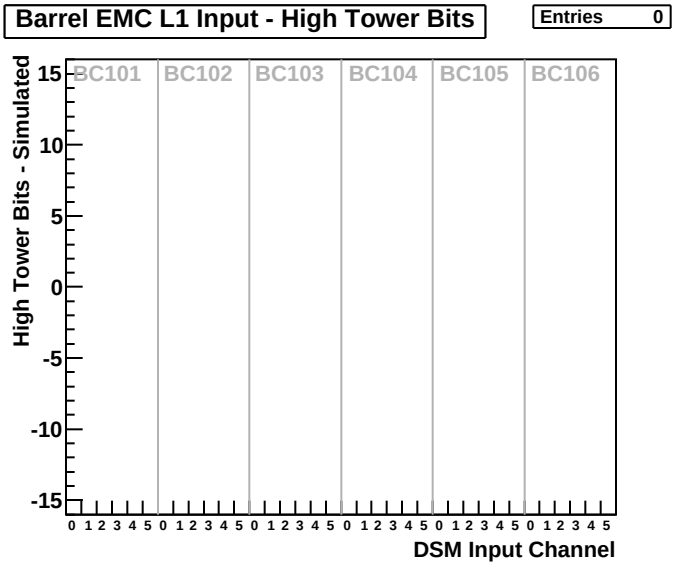

Barrel EMC L1 Input - Low Eta Sum
Entries 1.679998e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

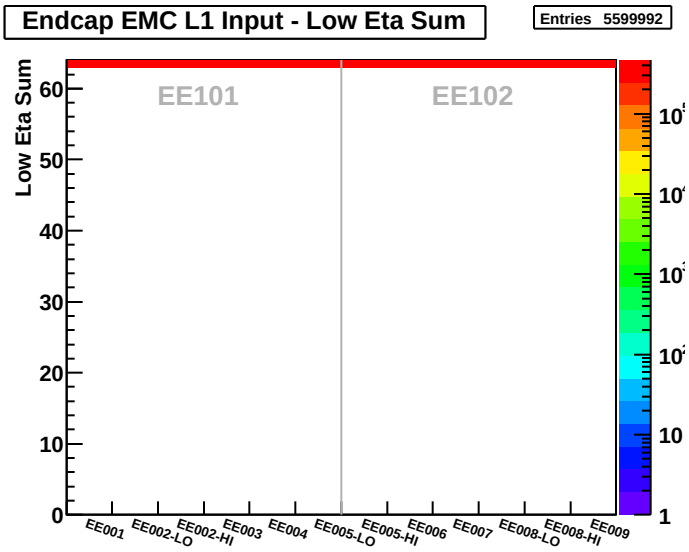

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

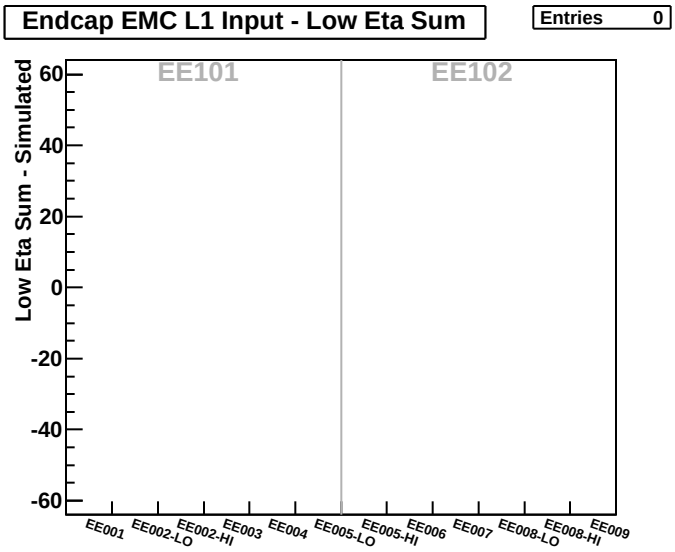

Barrel EMC L1 Input - High Eta Sum
Entries 1.679998e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

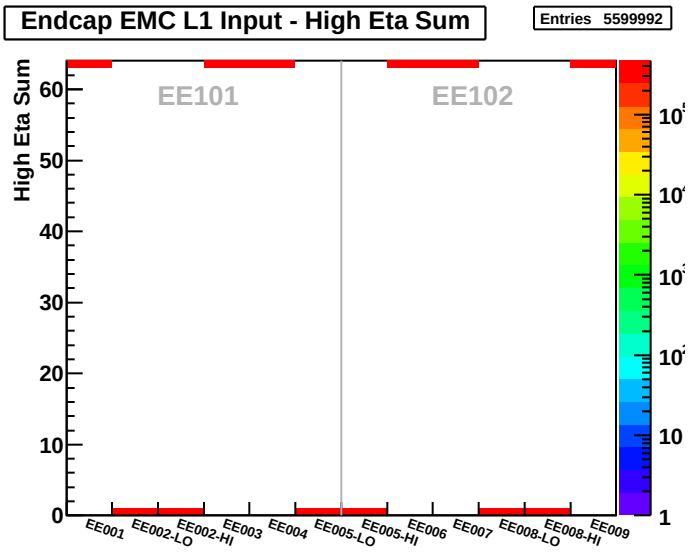

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

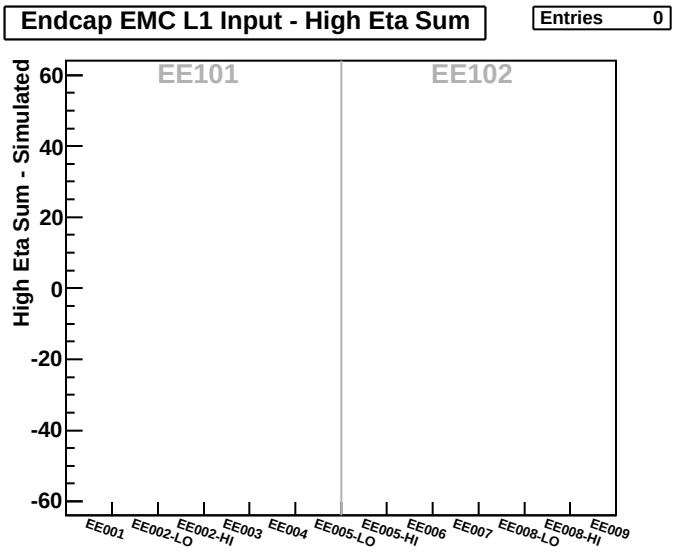

Barrel EMC L1 Input - High Tower Bits
Entries 1.679998e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

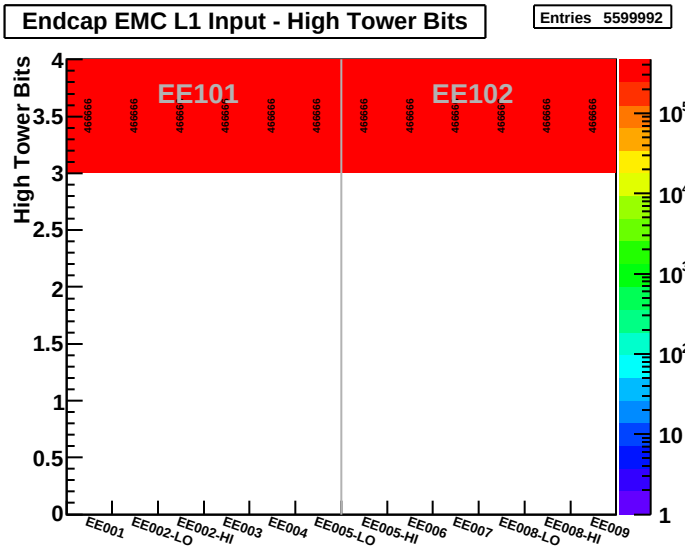

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

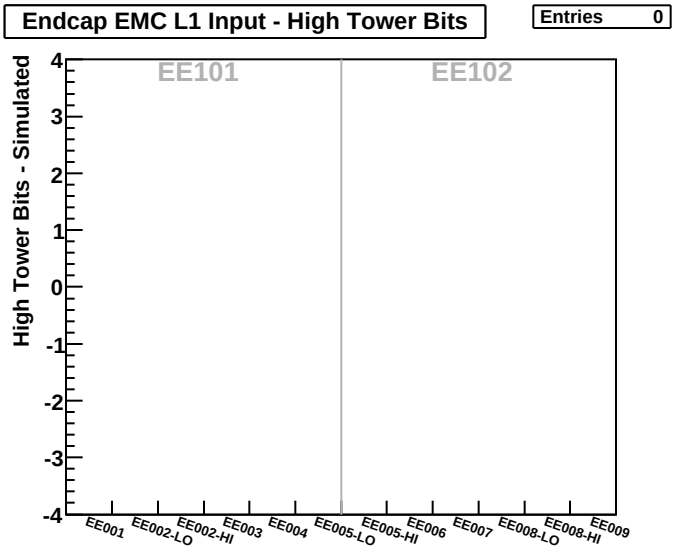

Endcap EMC L1 Input - Low Eta Sum
Entries 5599992
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

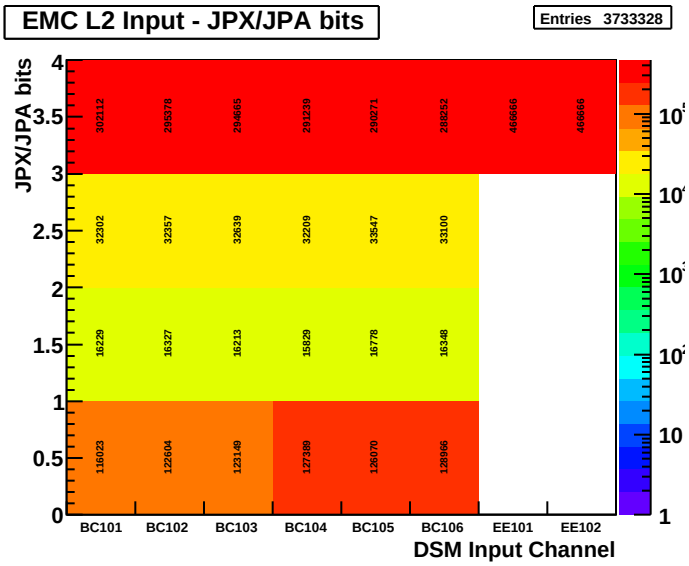

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

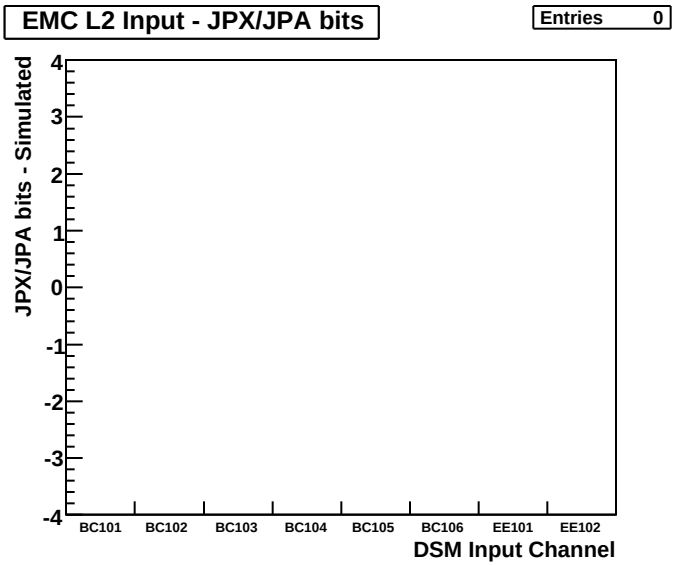

Endcap EMC L1 Input - High Eta Sum
Entries 5599992
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

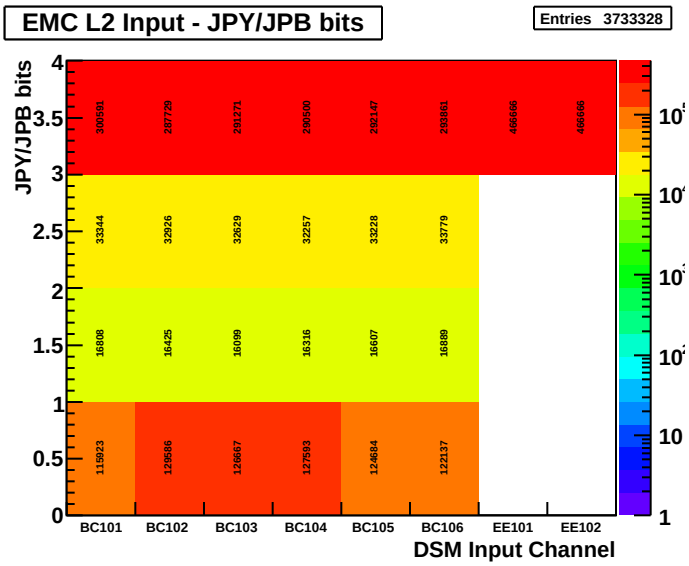

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

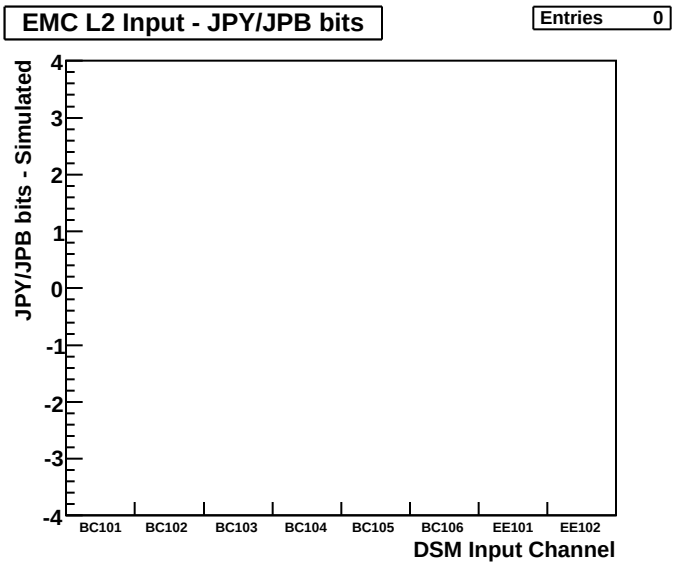

Endcap EMC L1 Input - High Tower Bits
Entries 5599992
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

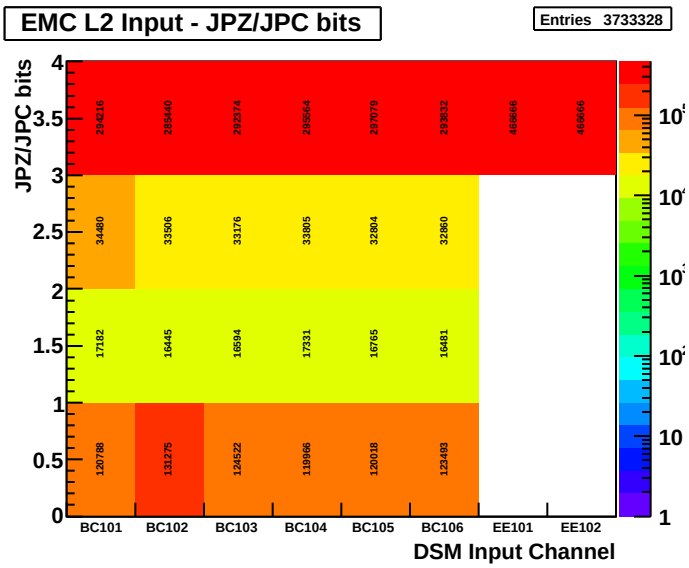

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

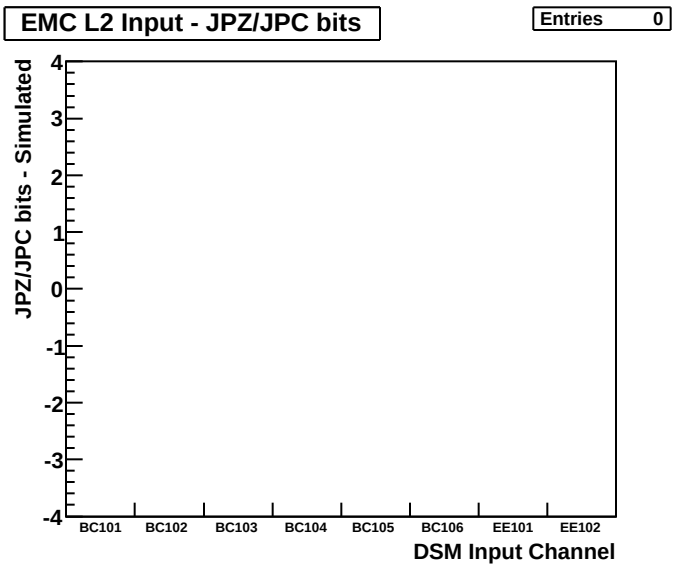

EMC L2 Input - JPX/JPA bits
Entries 3733328
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
302112 295378 294665 291239 290271 288252 466666 466666
32302 32357 32639 32209 33547 33100
16229 16327 16213 15829 16778 16348
116023 122604 122149 127389 126070 128966

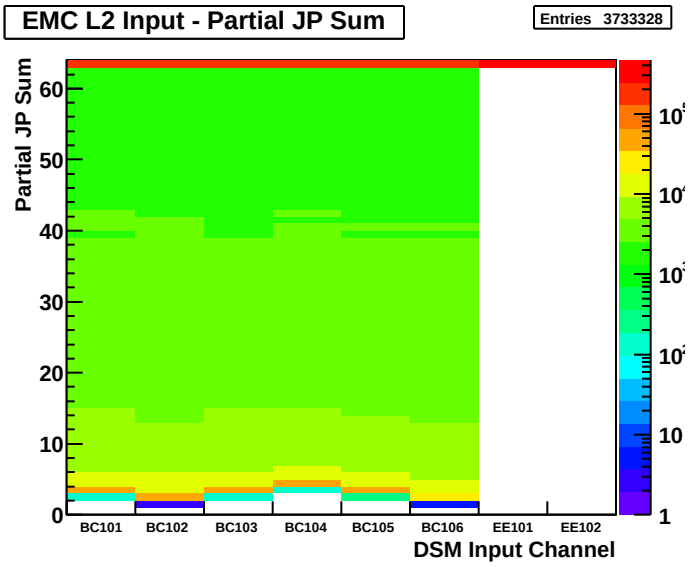

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

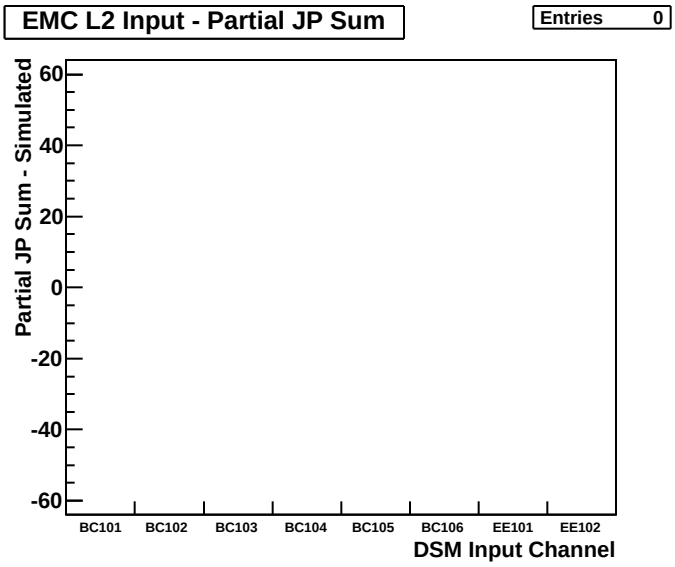

EMC L2 Input - JPY/JPB bits
Entries 3733328
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
300591 287729 291271 290500 292147 293861 466666 466666
33344 32926 32629 32257 33228 33779
16808 16425 16099 16316 16607 16889
115923 126586 126667 127593 124684 122137

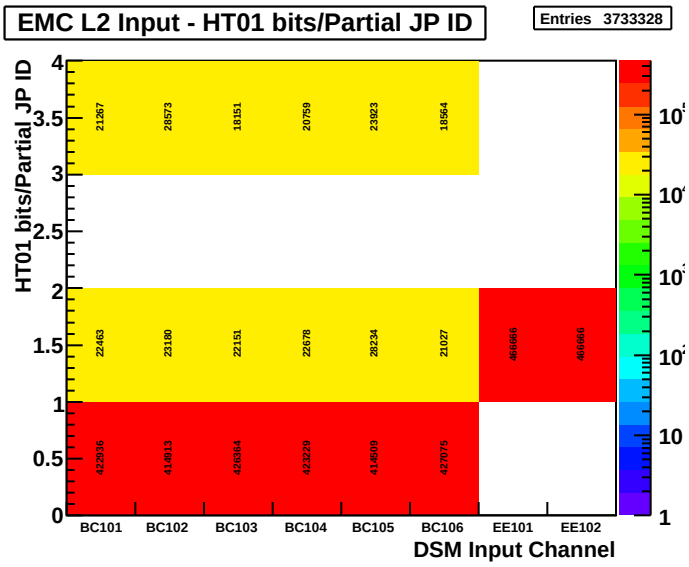

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

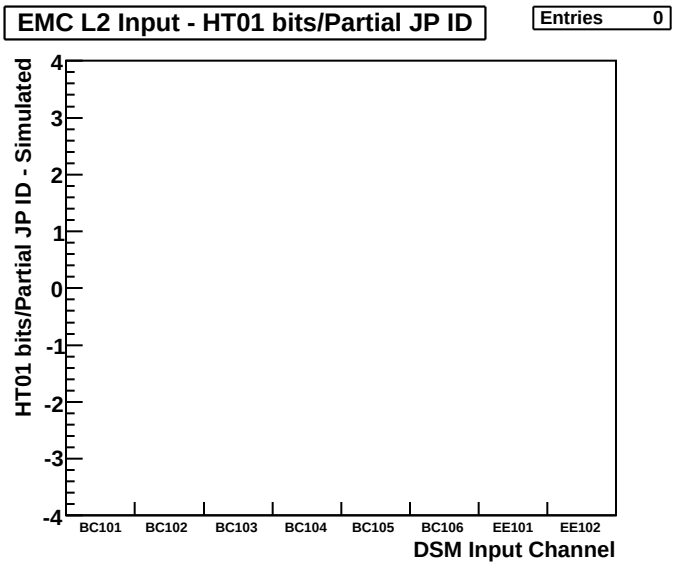

EMC L2 Input - JPZ/JPC bits
Entries 3733328
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
294216 285440 292374 295564 297079 293832 466666 466666
34480 33506 33176 33805 32804 32860
17182 16445 16594 17331 16765 16481
120788 131275 124522 119966 120018 123493

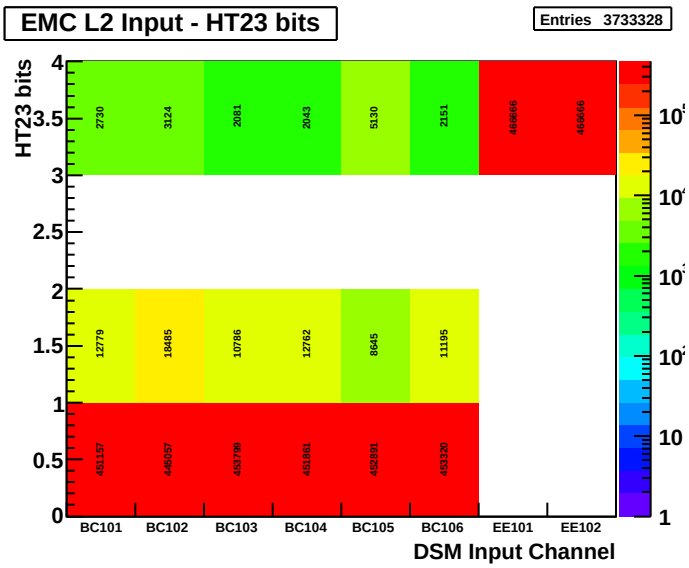

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

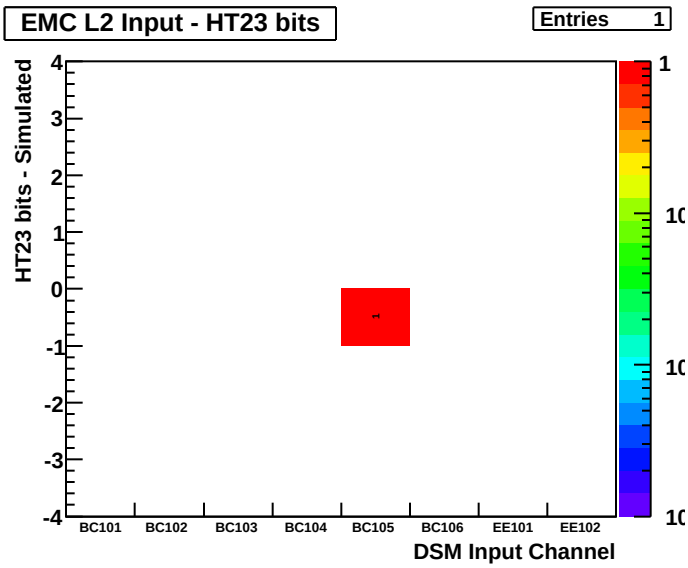

EMC L2 Input - Partial JP Sum
Entries 3733328
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

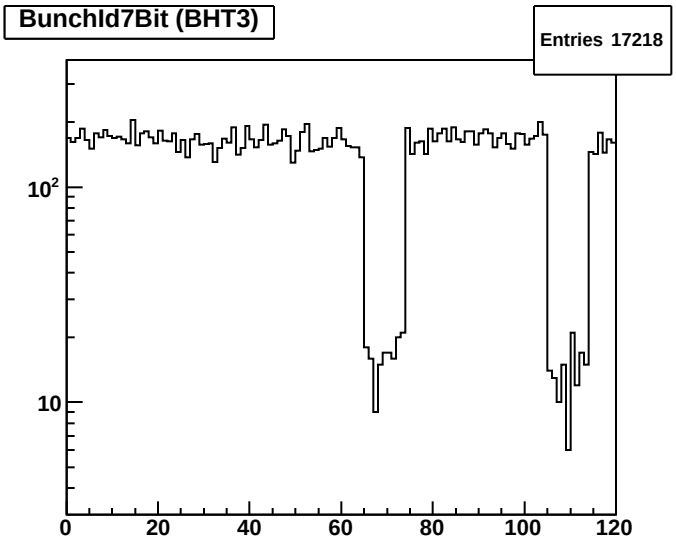

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

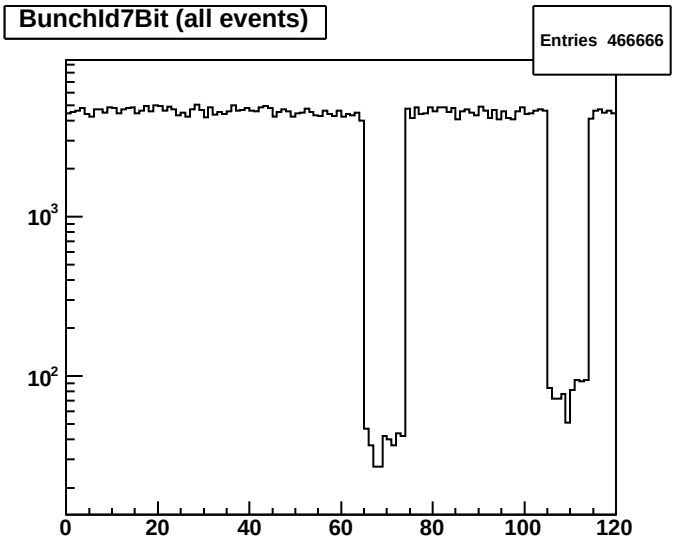

EMC L2 Input - HT01 bits/Partial JP ID
Entries 3733328
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

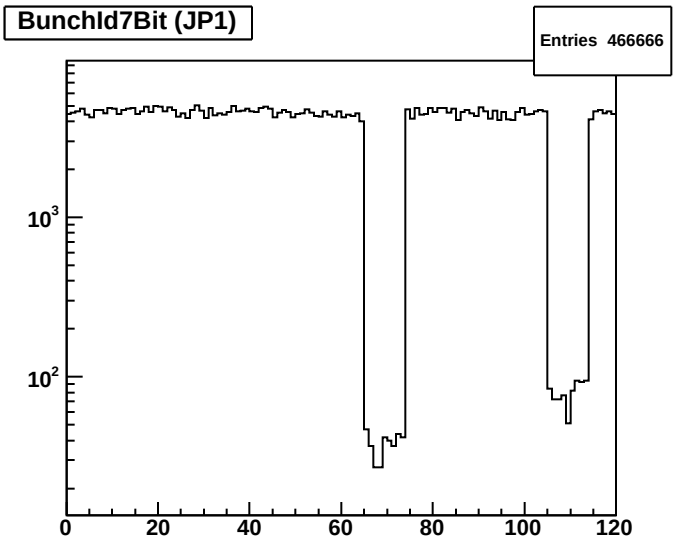

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

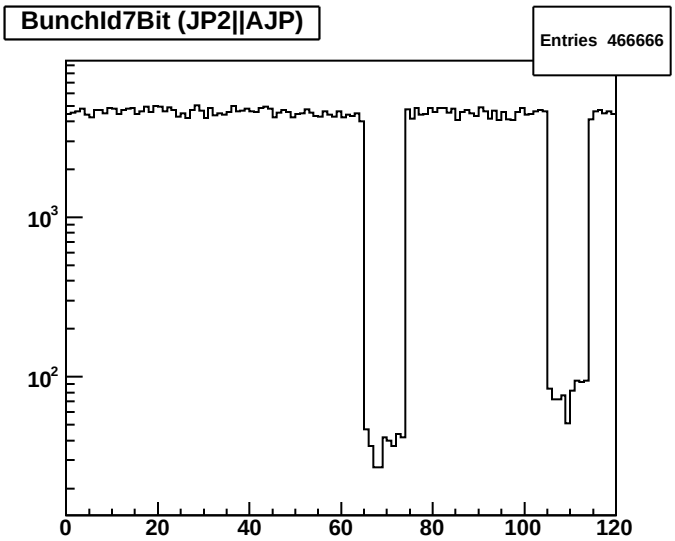

EMC L2 Input - HT23 bits
Entries 3733328
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

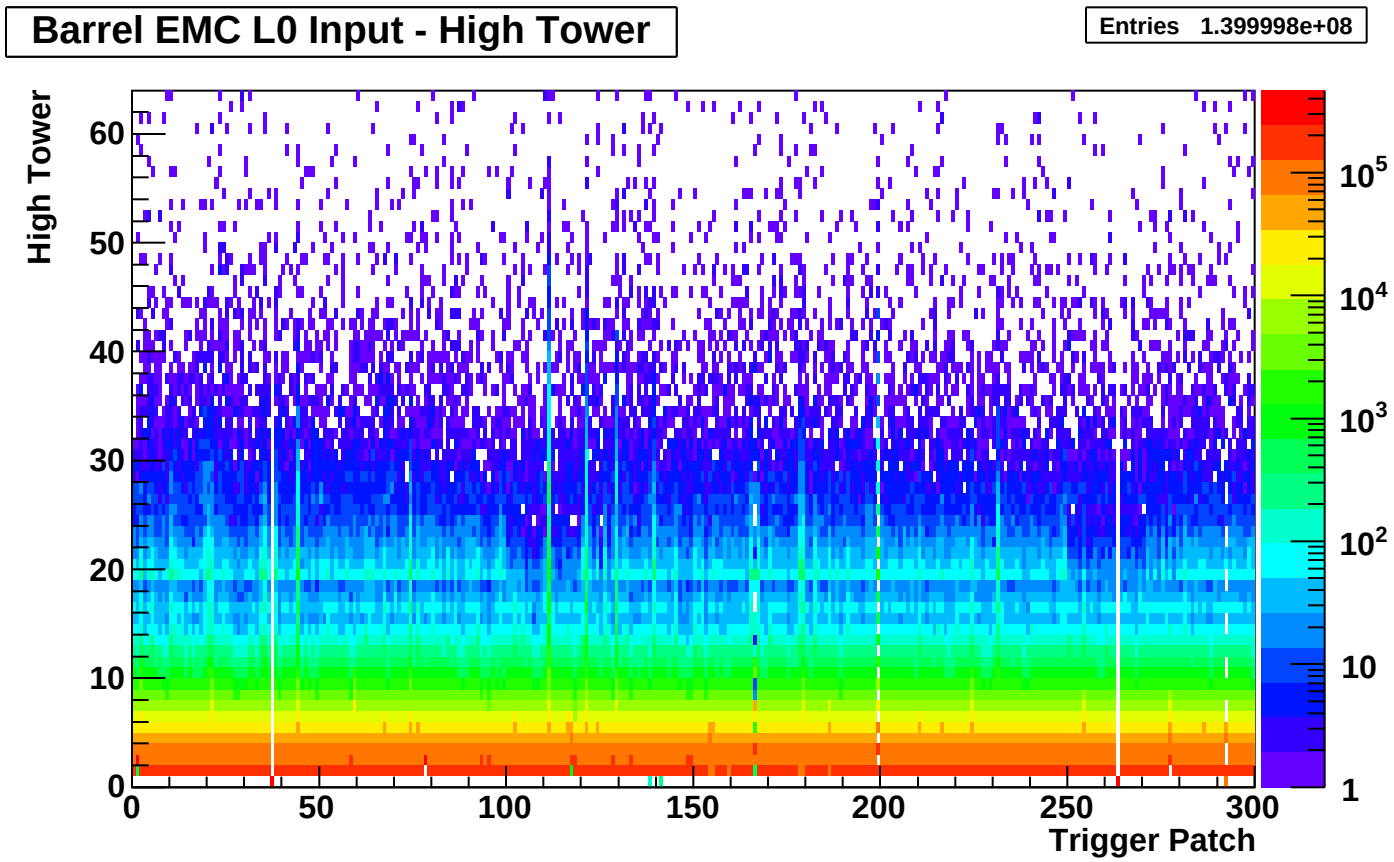

EMC L2 Input - HT23 bits
Entries 1
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

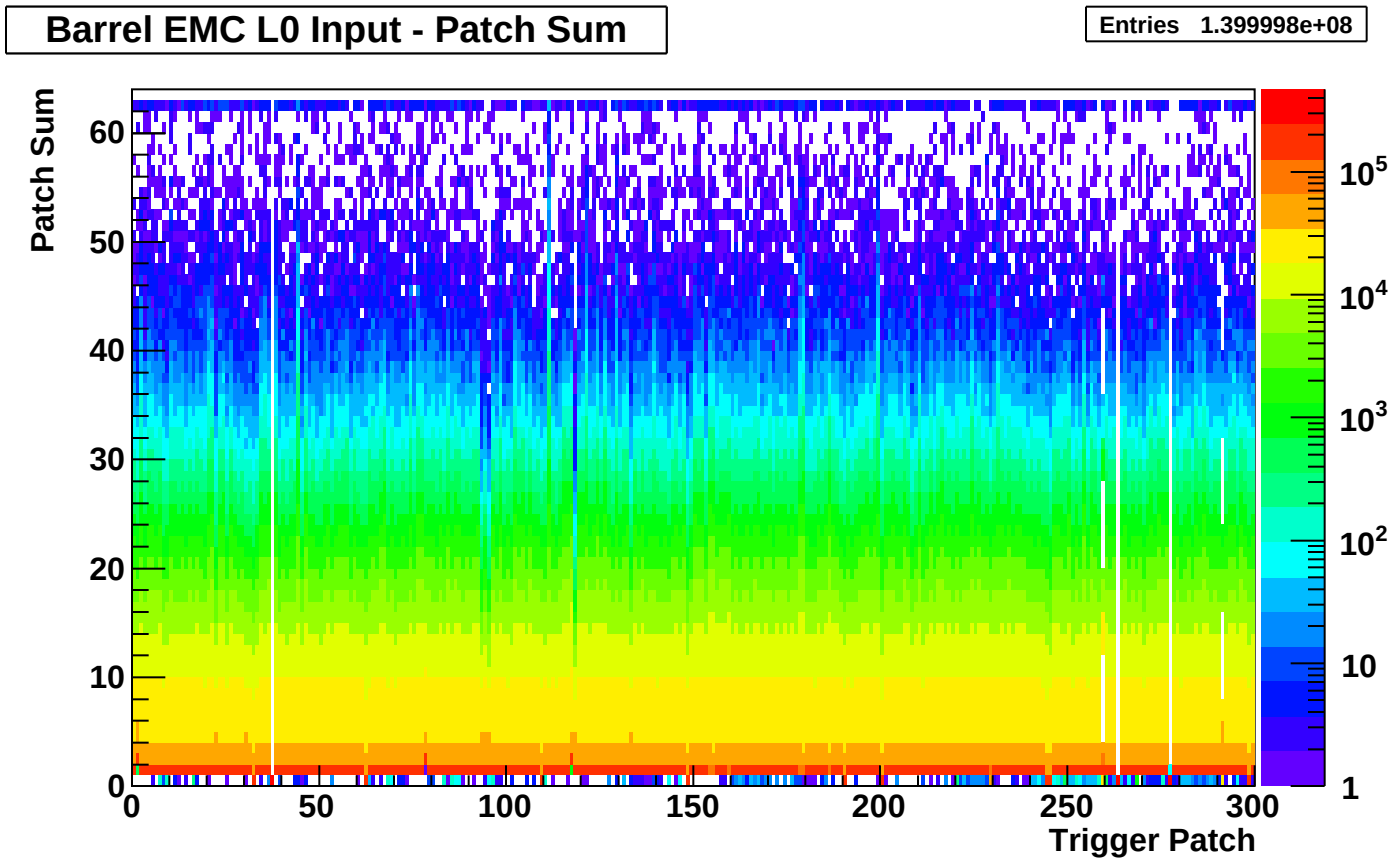

BunchId7Bit (BHT3)
Entries 17218
10^2
10
0
20
40
60
80
100
120

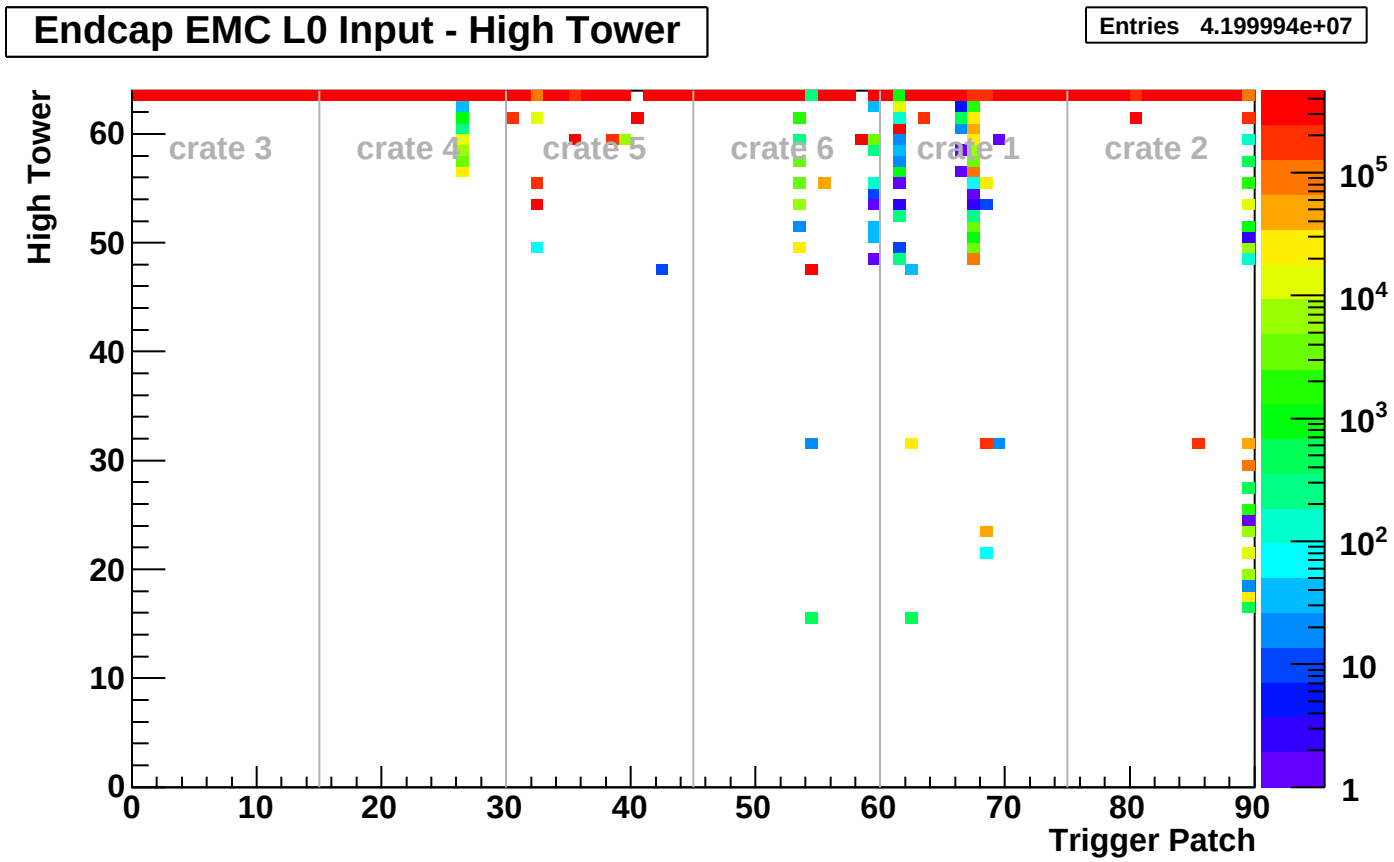

BunchId7Bit (all events)
Entries 466666
10^3
10^2
0
20
40
60
80
100
120

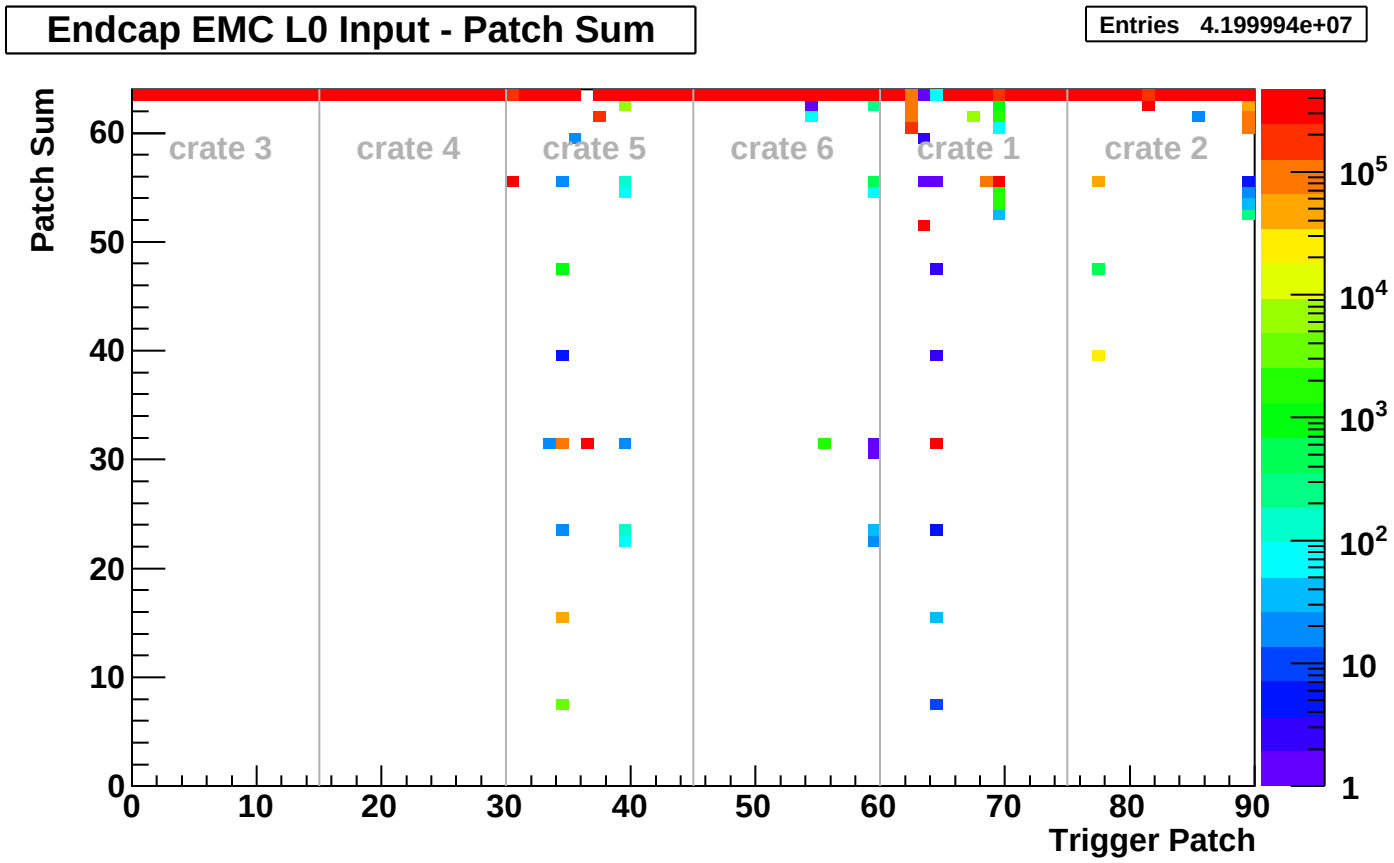

BunchId7Bit (JP1)
Entries 466666
10^3
10^2
0
20
40
60
80
100
120

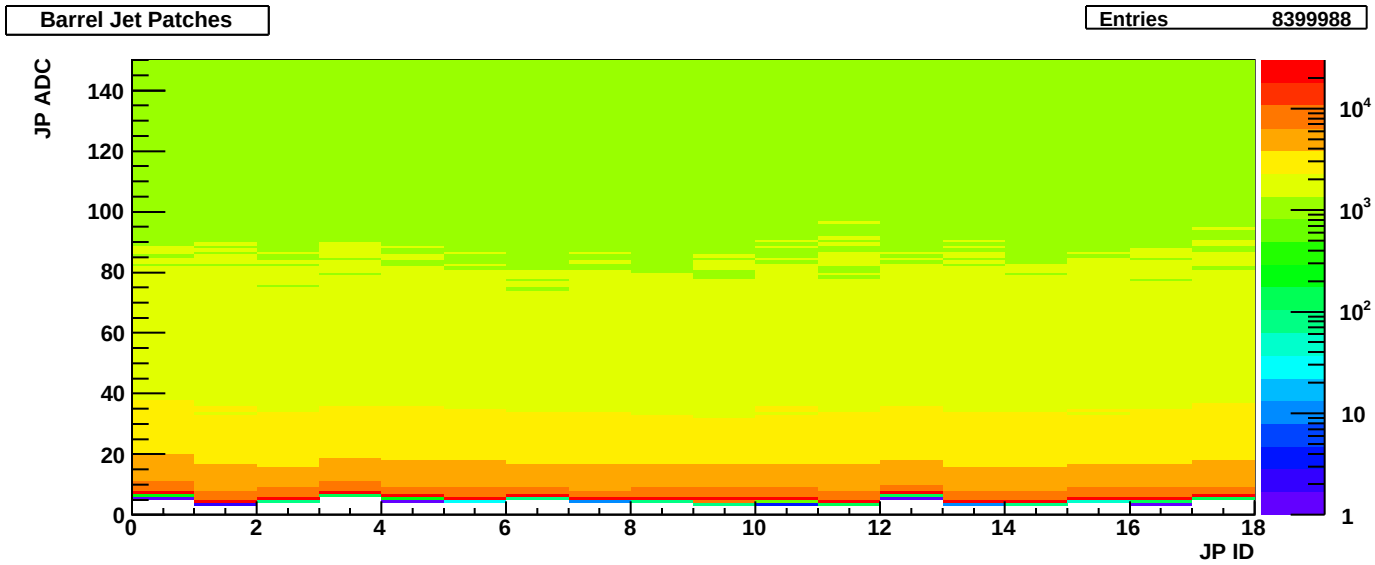

BunchId7Bit (JP2||AJP)
Entries 466666
10^3
10^2
0
20
40
60
80
100
120

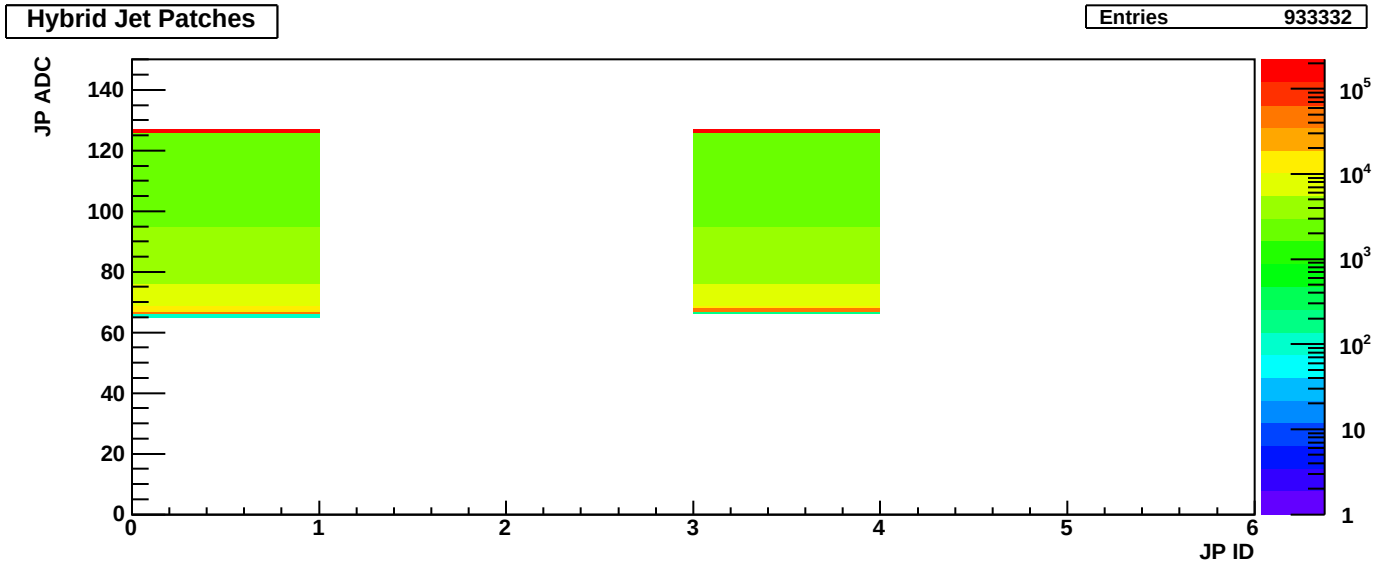

Barrel EMC L0 Input - High Tower
Entries 1.399998e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

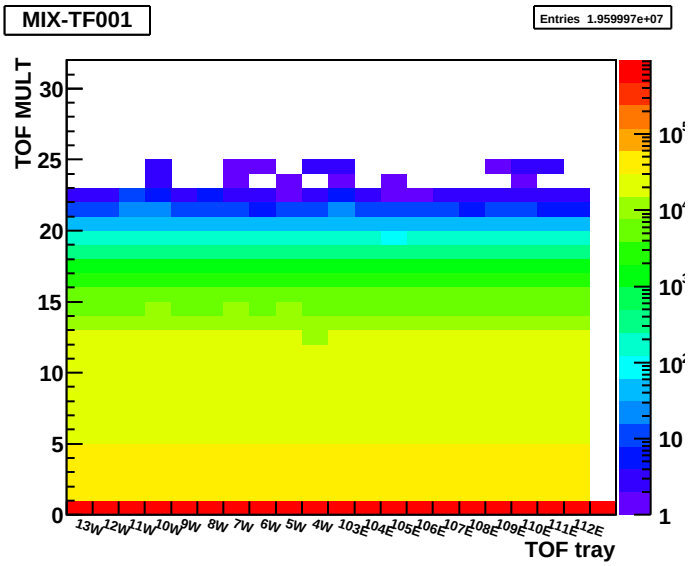

Barrel EMC L0 Input - Patch Sum
Entries 1.399998e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

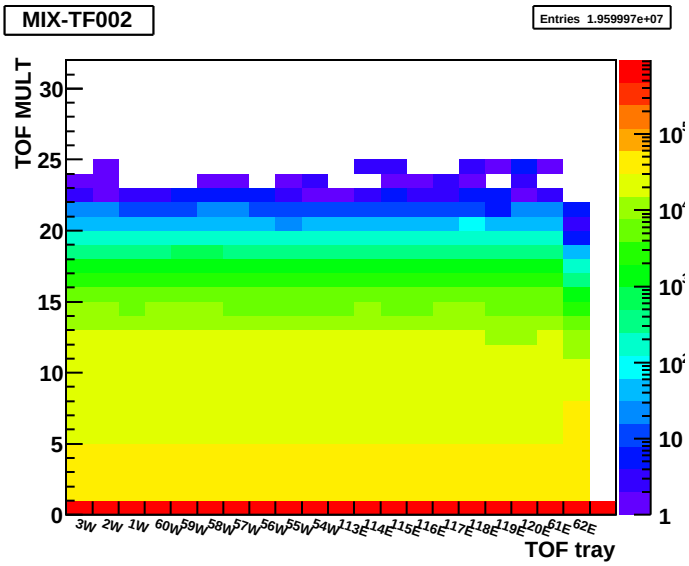

Endcap EMC L0 Input - High Tower
Entries 4.199994e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

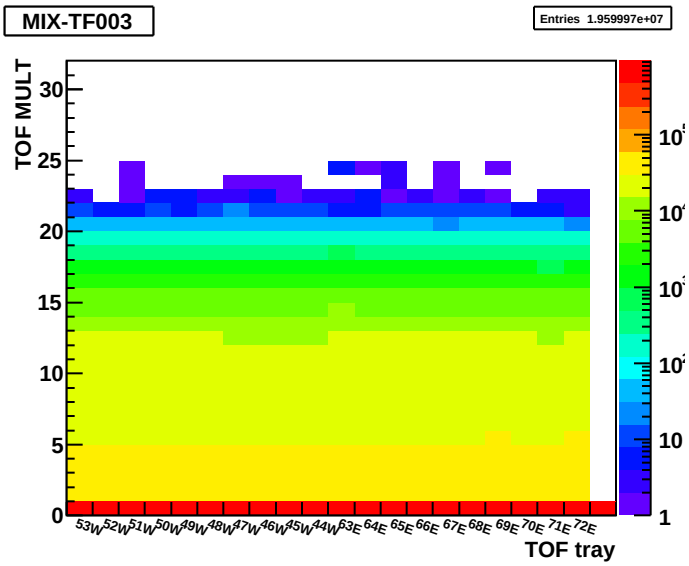

Endcap EMC L0 Input - Patch Sum
Entries 4.199994e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

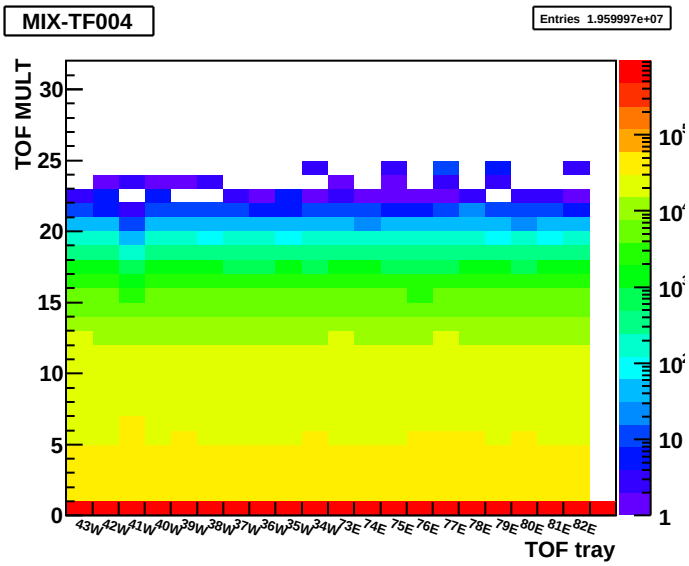

Barrel Jet Patches
Entries 8399988
JP ADC
JP ID

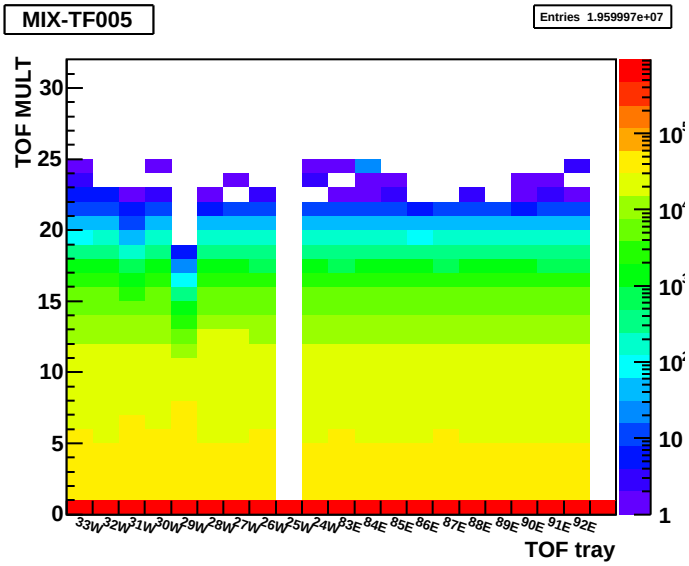

Hybrid Jet Patches
Entries 933332
JP ADC
JP ID

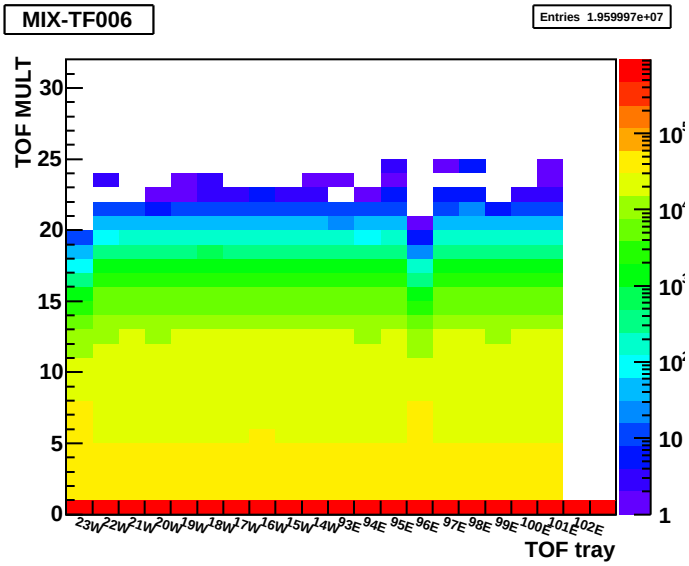

MIX-TF001
Entries 1.959997e+07
TOF MULT
TOF tray

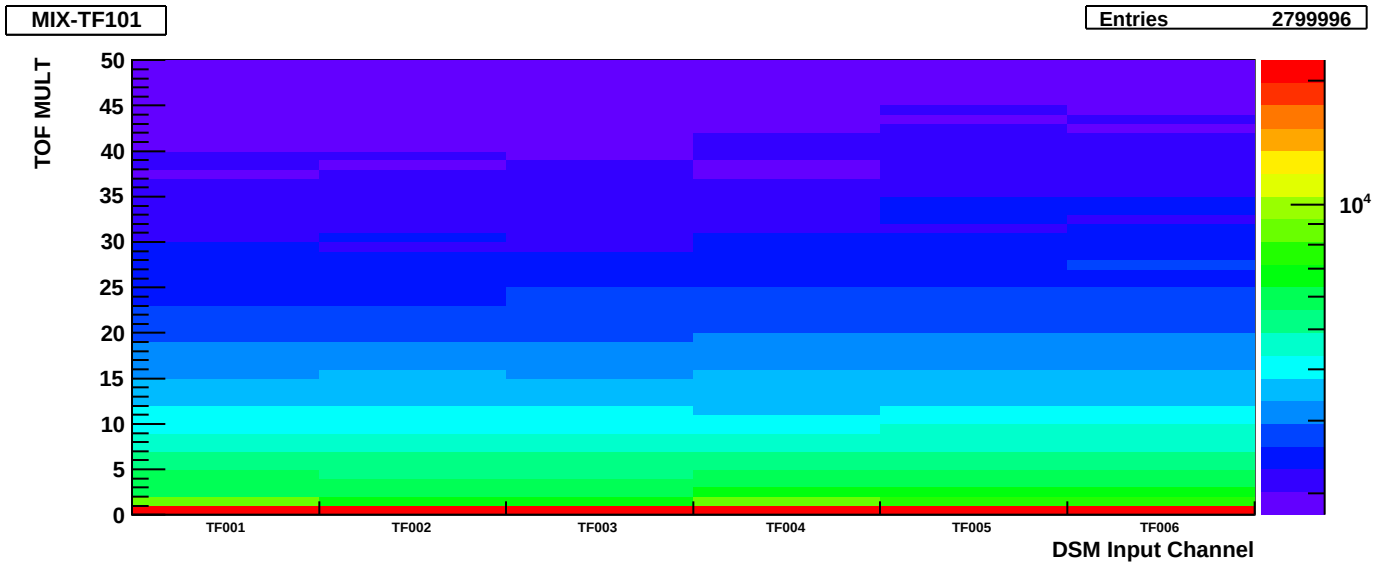

MIX-TF002
Entries 1.959997e+07
TOF MULT
TOF tray

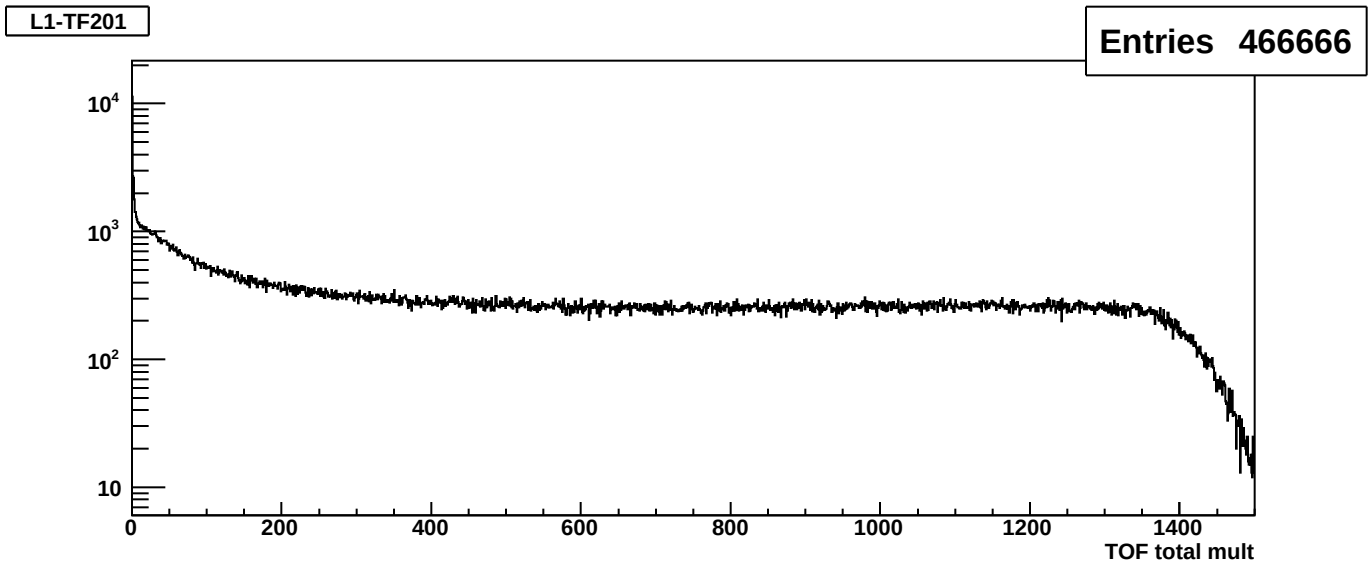

MIX-TF003
Entries 1.959997e+07
TOF MULT
TOF tray

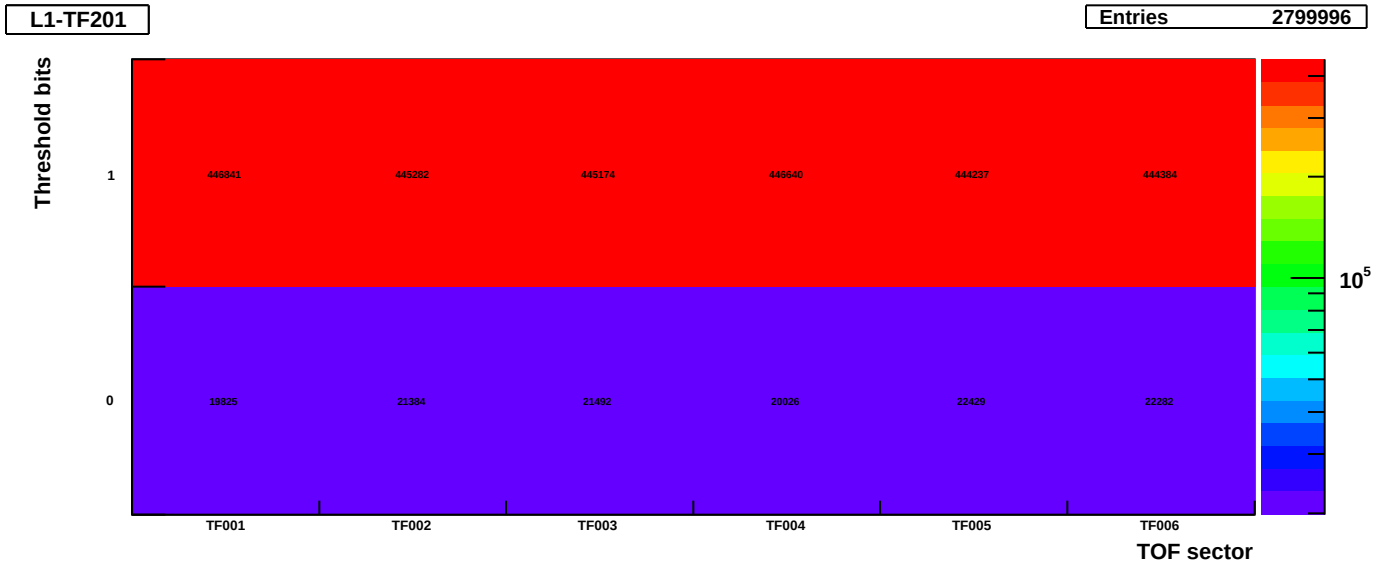

MIX-TF004
Entries 1.959997e+07
TOF MULT
TOF tray

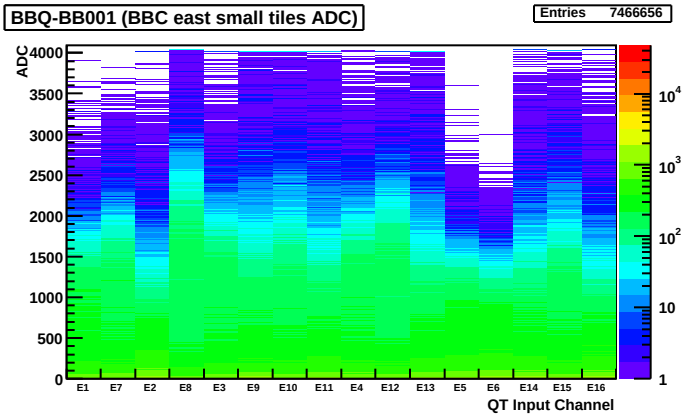

MIX-TF005
Entries 1.959997e+07
TOF MULT
TOF tray

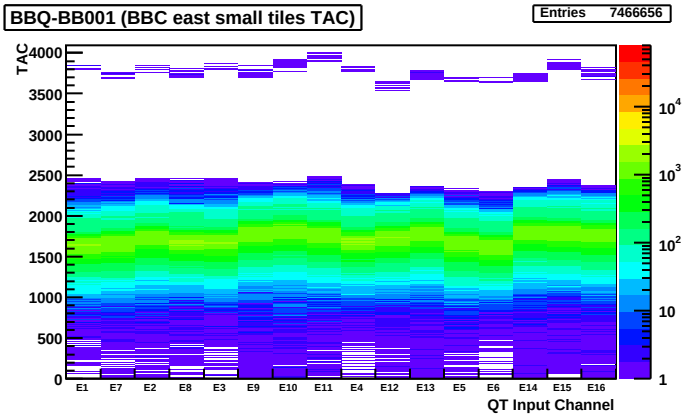

MIX-TF006
Entries 1.959997e+07
TOF MULT
TOF tray

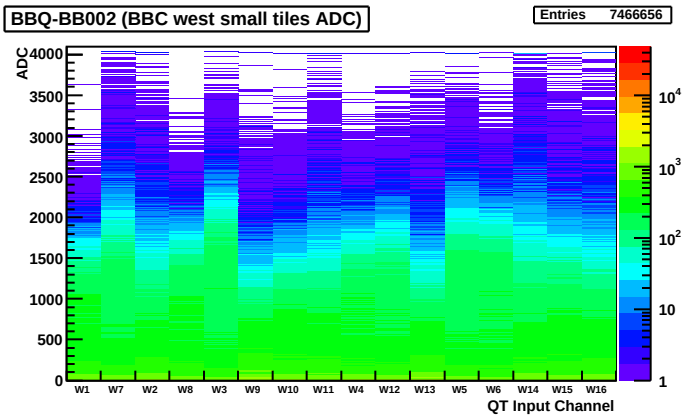

MIX-TF101
Entries 2799996
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

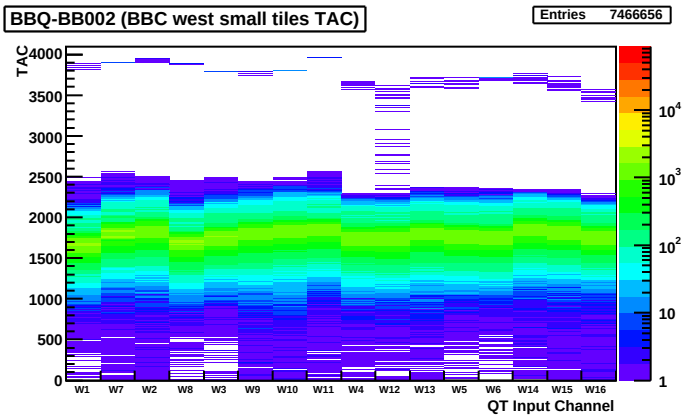

L1-TF201
Entries 466666
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

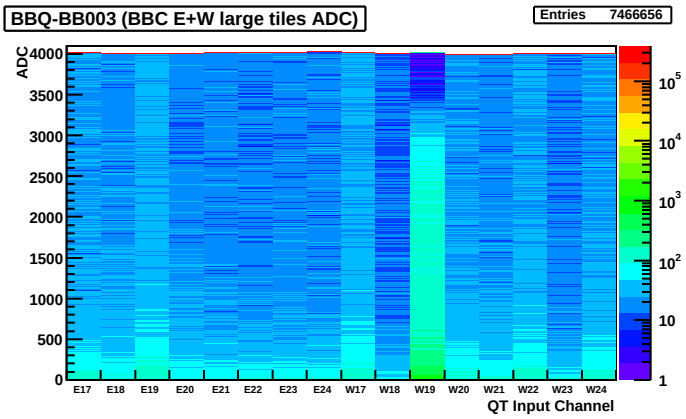

L1-TF201
Entries 2799996
Threshold bits
1
0
446841
445282
445174
446640
444237
444384
19825
21384
21492
20026
22429
22282
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

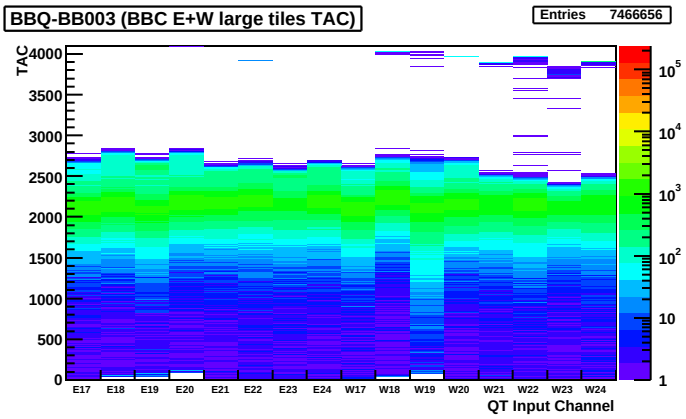

BBQ-BB001 (BBC east small tiles ADC)
Entries 7466656
ADC
QT Input Channel

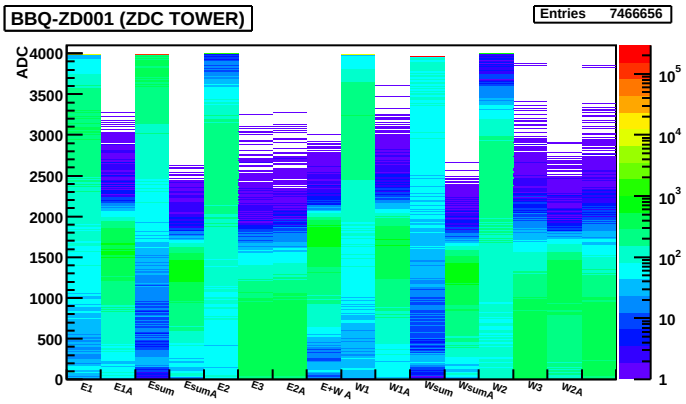

BBQ-BB001 (BBC east small tiles TAC)
Entries 7466656
TAC
QT Input Channel

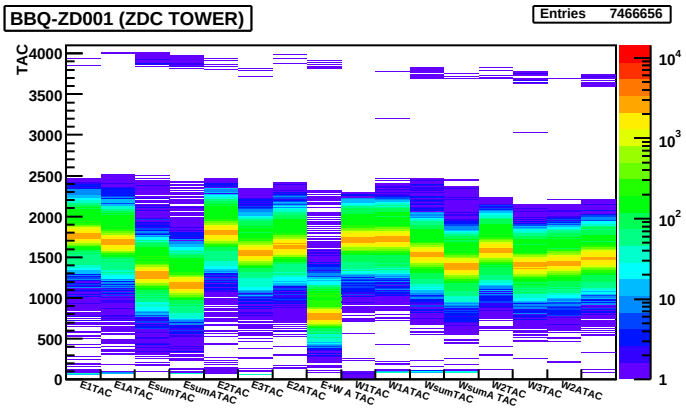

BBQ-BB002 (BBC west small tiles ADC)
Entries 7466656
ADC
QT Input Channel

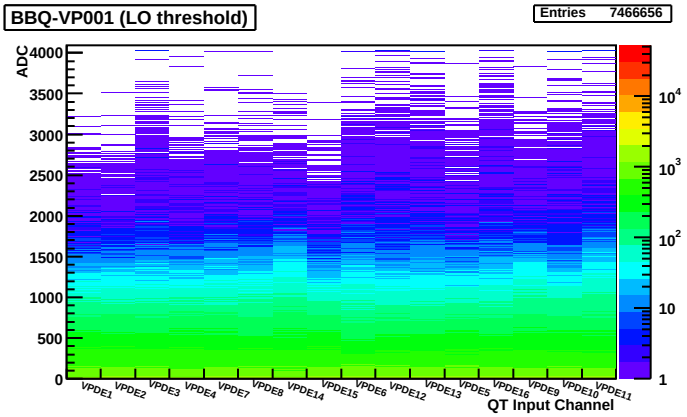

BBQ-BB002 (BBC west small tiles TAC)
Entries 7466656
TAC
QT Input Channel

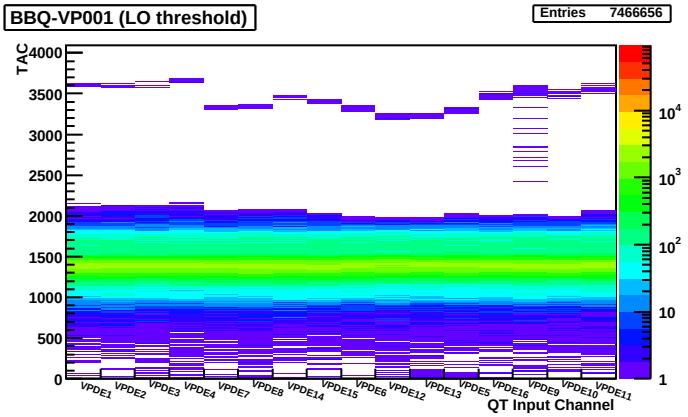

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 7466656
ADC
QT Input Channel

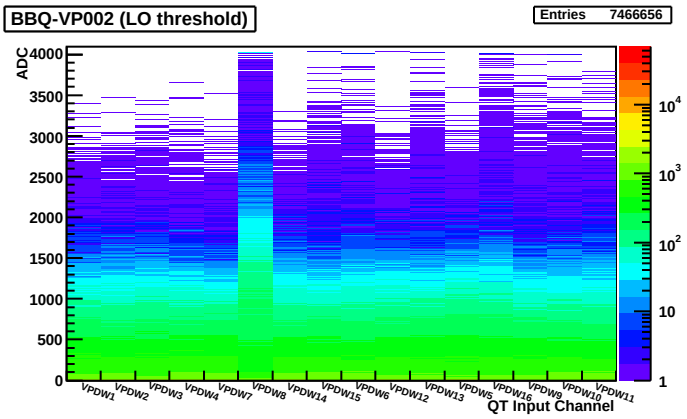

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 7466656
TAC
QT Input Channel

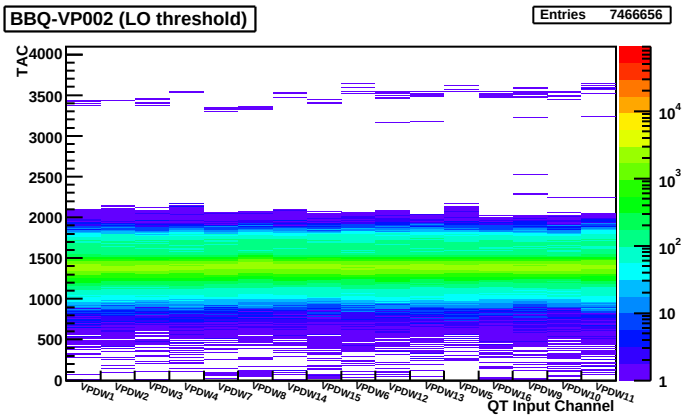

BBQ-ZD001 (ZDC TOWER)
Entries 7466656
ADC

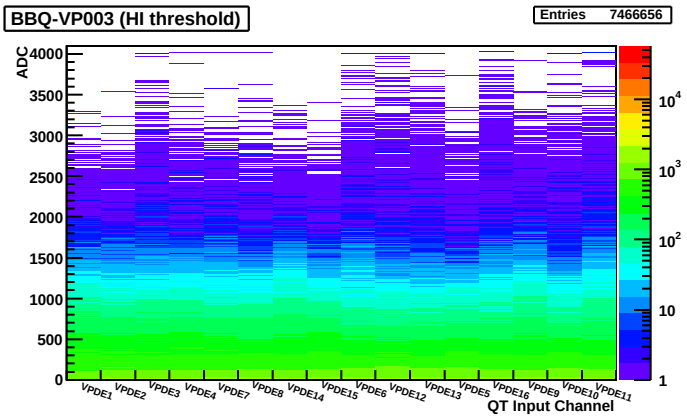

BBQ-ZD001 (ZDC TOWER)
Entries 7466656
TAC

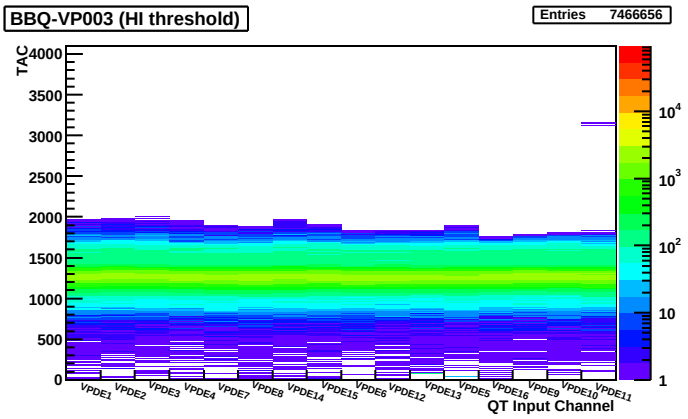

BBQ-VP001 (LO threshold)
Entries 7466656
ADC
QT Input Channel

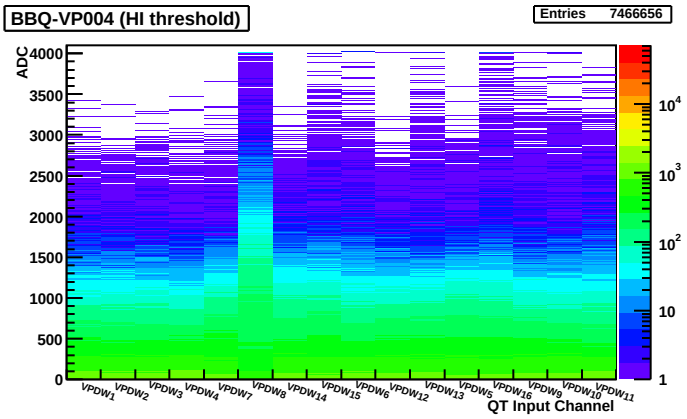

BBQ-VP001 (LO threshold)
Entries 7466656
TAC
QT Input Channel

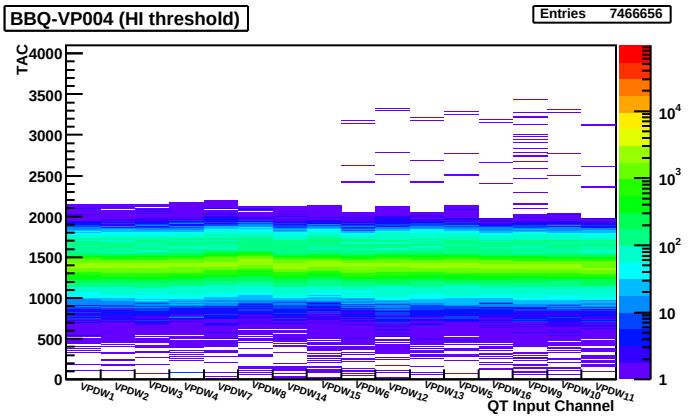

BBQ-VP002 (LO threshold)
Entries 7466656
ADC
QT Input Channel

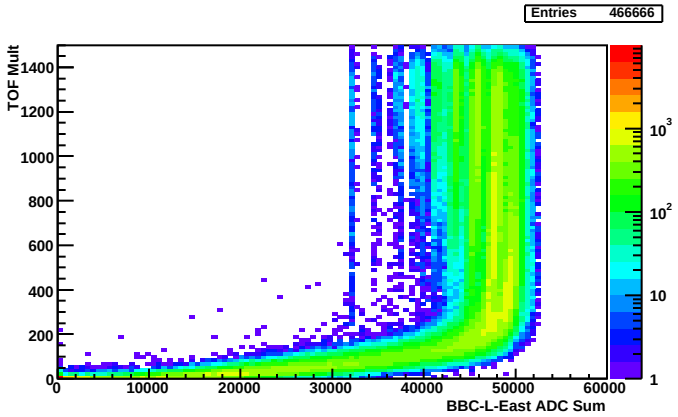

BBQ-VP002 (LO threshold)
Entries 7466656
TAC
QT Input Channel

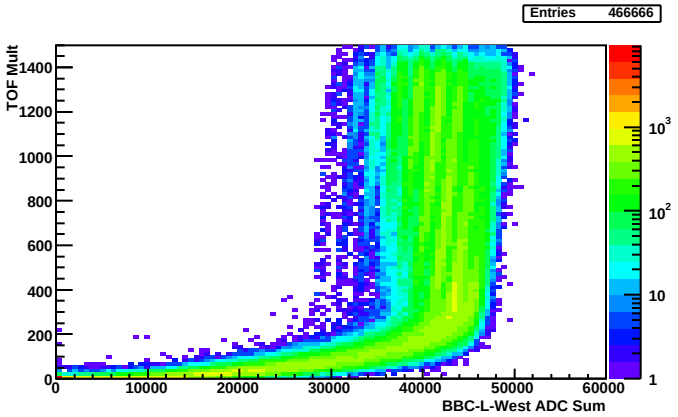

BBQ-VP003 (HI threshold)
Entries 7466656
ADC
QT Input Channel

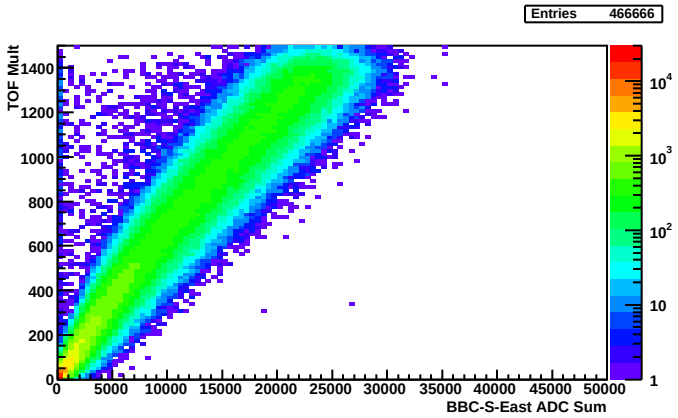

BBQ-VP003 (HI threshold)
Entries 7466656
TAC
QT Input Channel

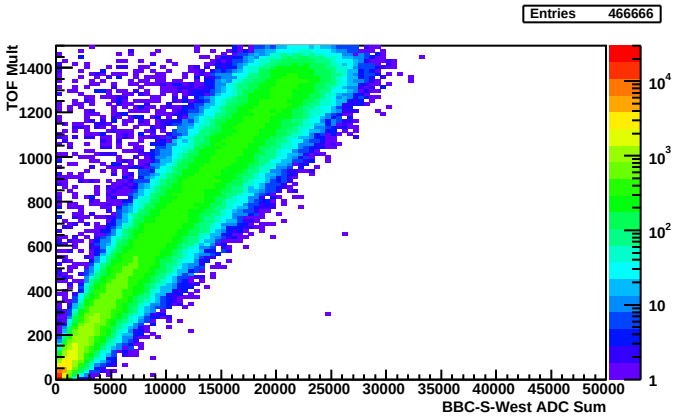

BBQ-VP004 (HI threshold)
Entries 7466656
ADC
QT Input Channel

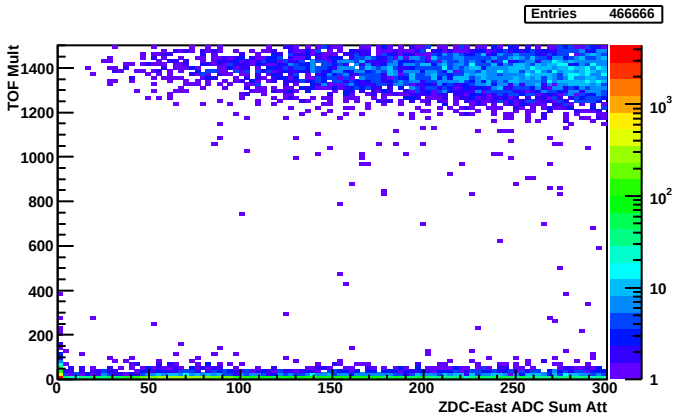

BBQ-VP004 (HI threshold)
Entries 7466656
TAC
QT Input Channel

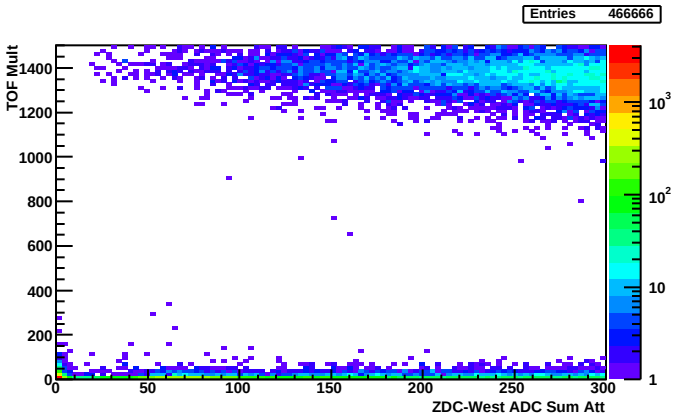

Entries 466666
TOF Mult
BBC-L-East ADC Sum

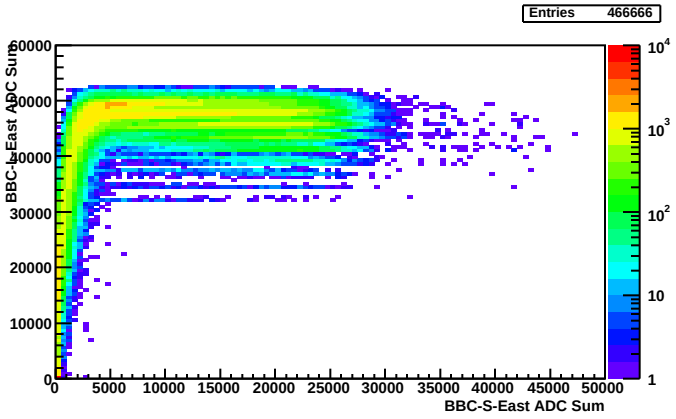

Entries 466666
TOF Mult
BBC-L-West ADC Sum

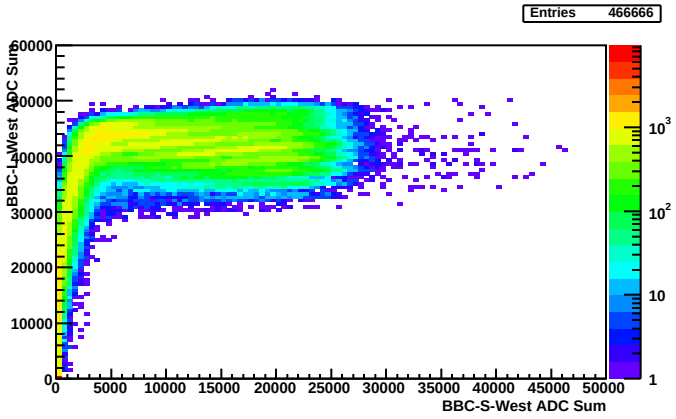

Entries 466666
TOF Mult
BBC-S-East ADC Sum


Entries 466666
TOF Mult
BBC-S-West ADC Sum


Entries 466666
TOF Mult
ZDC-East ADC Sum Att


Entries 466666
TOF Mult
ZDC-West ADC Sum Att


Entries 466666
BBC-L-East ADC Sum
BBC-S-East ADC Sum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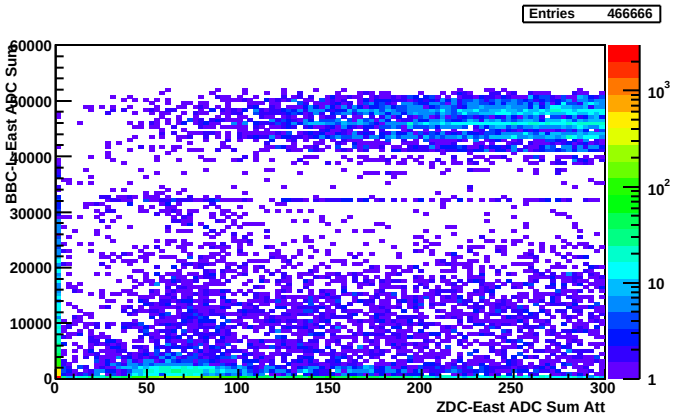
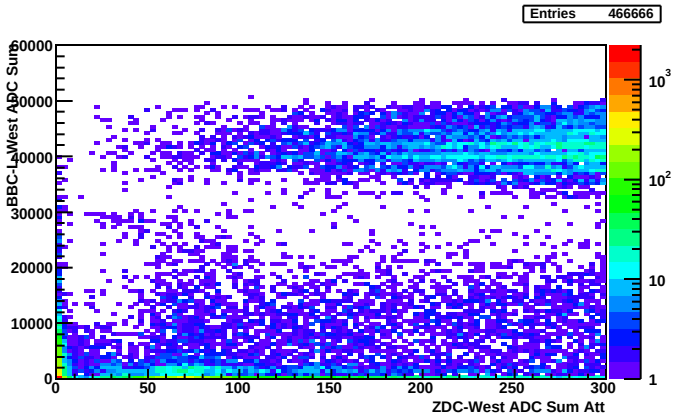
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 466666
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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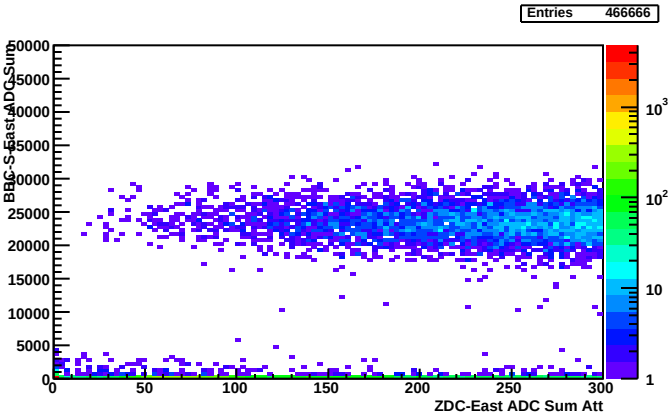
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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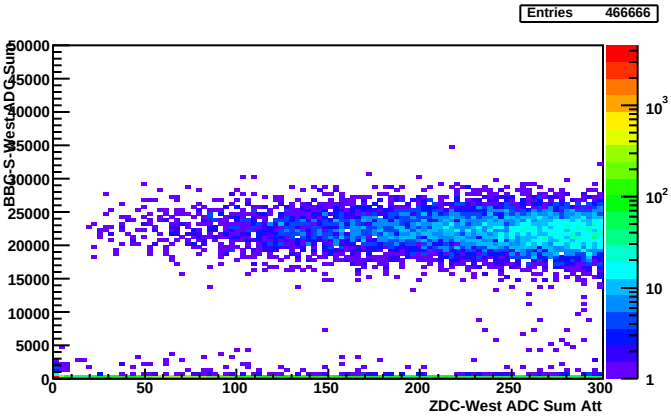
ZDC-East ADC Sum Att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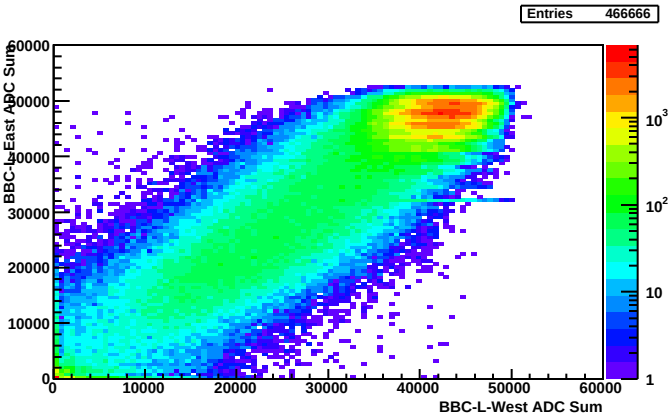
ZDC-West ADC Sum Att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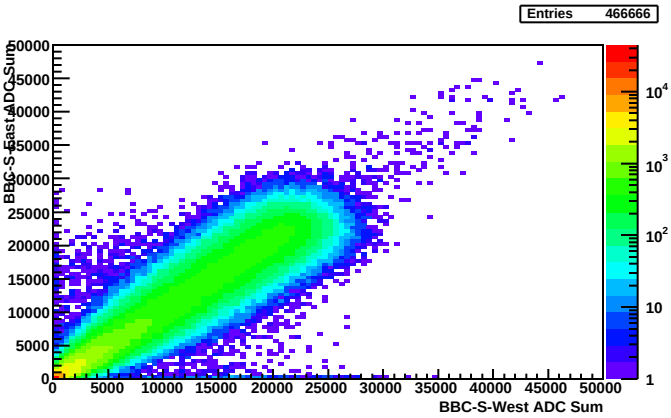
BBC-L-East ADC Sum
BBC-L-West ADC Sum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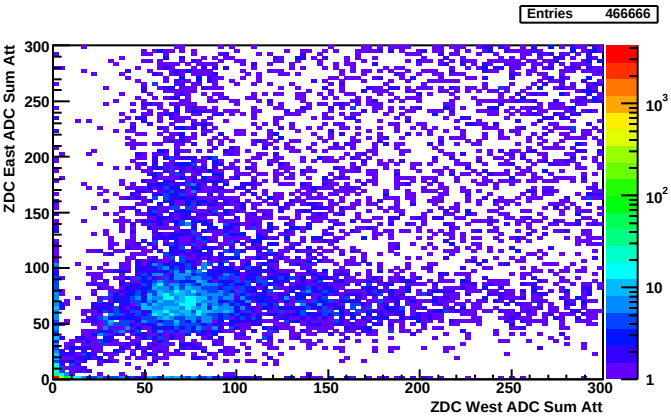
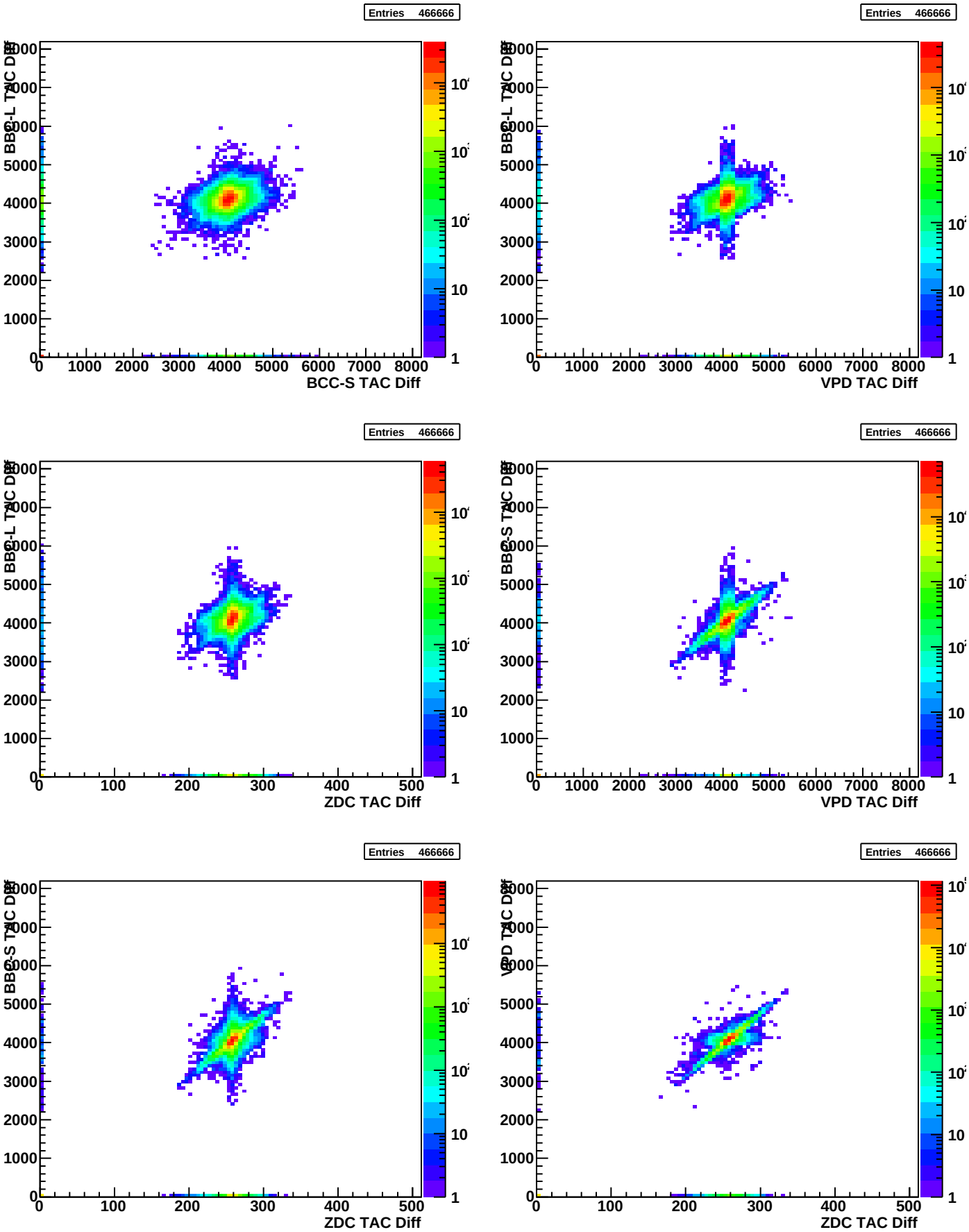
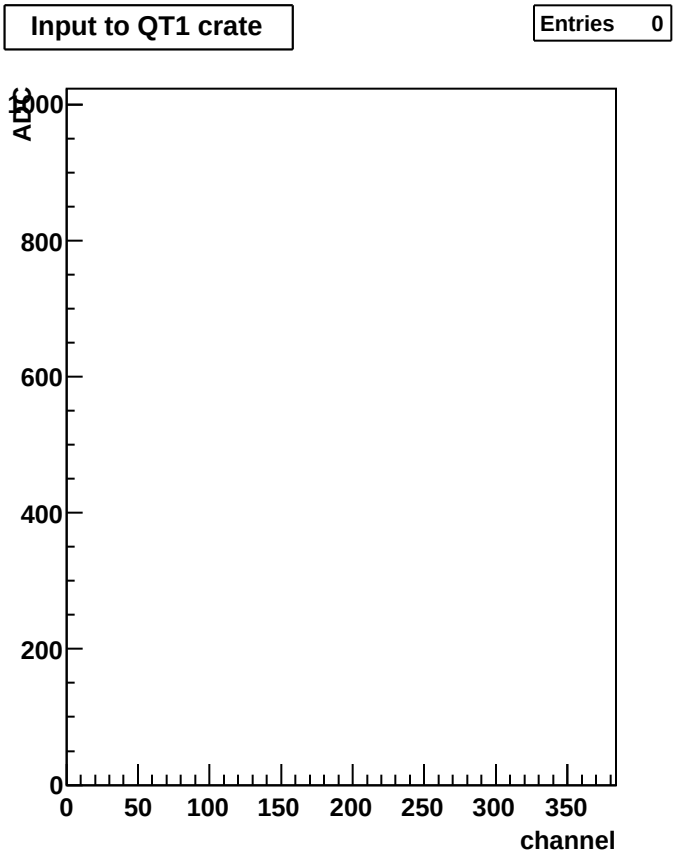
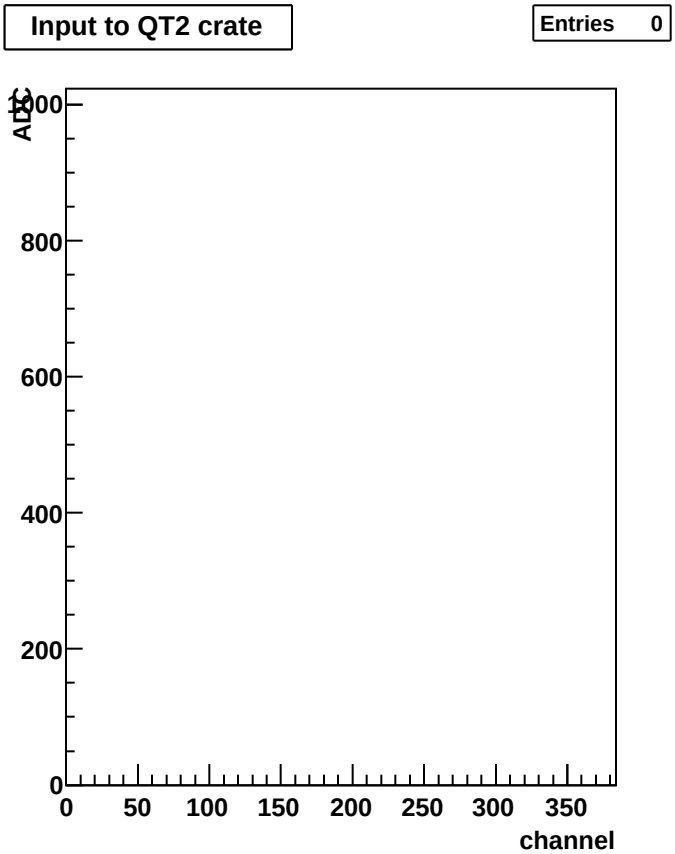
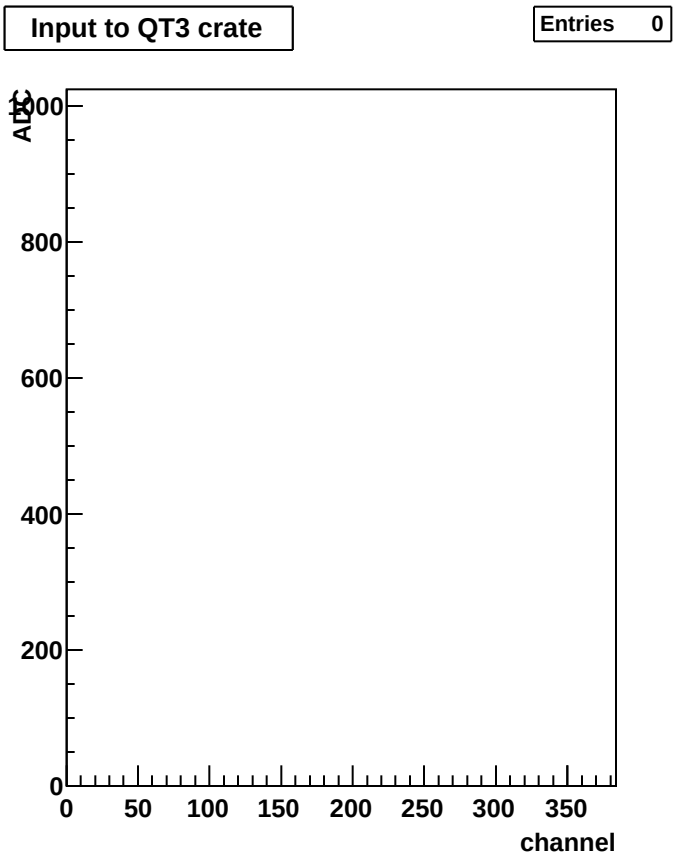
BBC-S-West ADC Sum

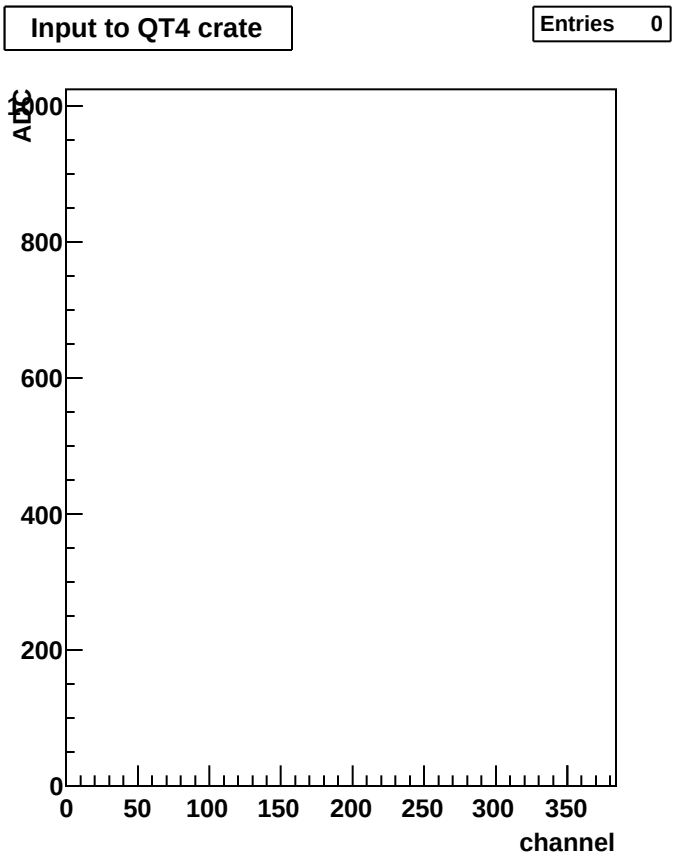

Entries 466666
ZDC East ADC Sum Att
ZDC West ADC Sum Att

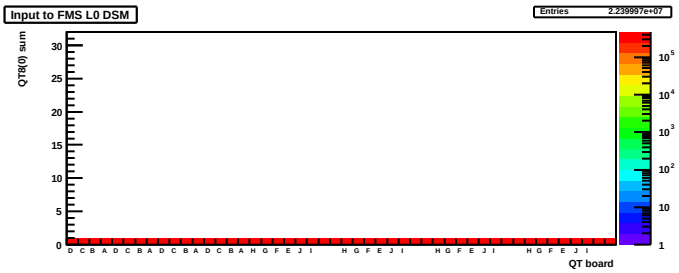

Entries 466666
BBC-L TAC Diff
BCC-S TAC Diff
Entries 466666
BBC-L TAC Diff
VPD TAC Diff
Entries 466666
BBC-L TAC Diff
ZDC TAC Diff
Entries 466666
BBC-S TAC Diff
VPD TAC Diff
Entries 466666
BBC-S TAC Diff
ZDC TAC Diff
Entries 466666
VPD TAC Diff
ZDC TAC Diff

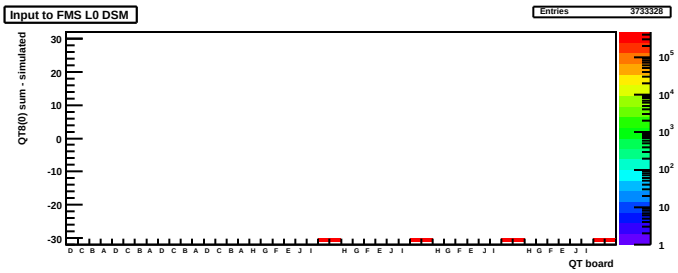

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

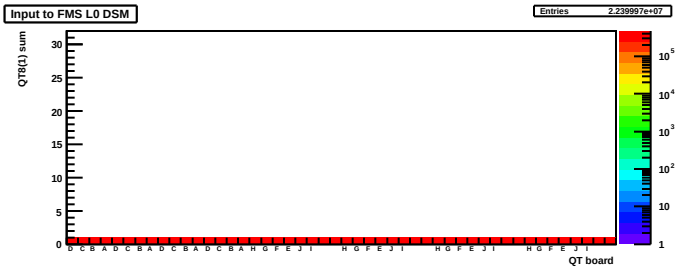

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

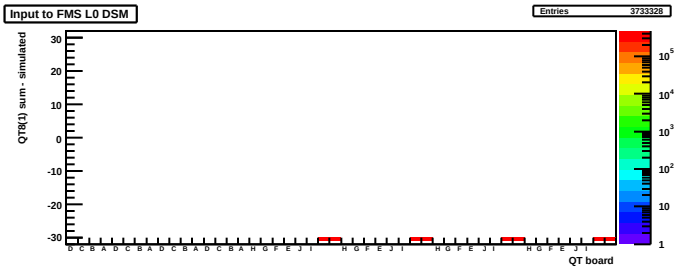

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

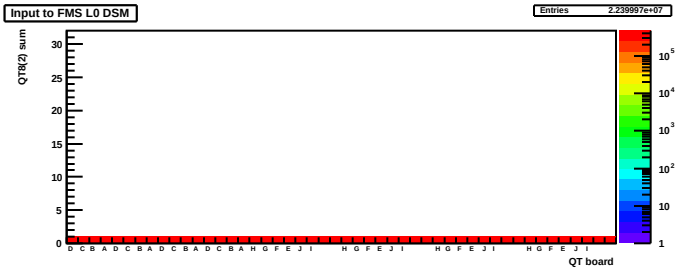

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

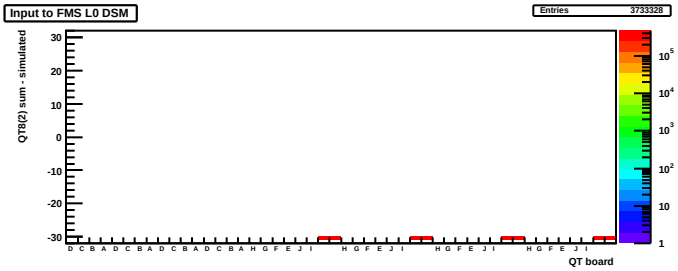

Input to FMS L0 DSM
Entries 2.239997e+07
QT8(0) sum
QT board

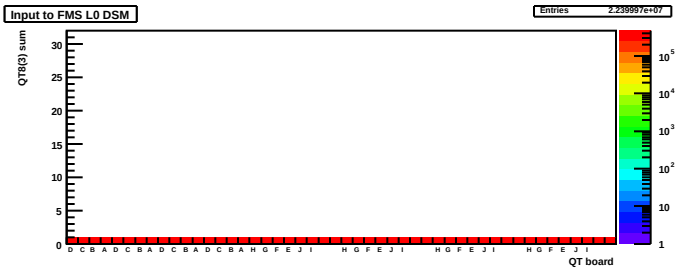

Input to FMS L0 DSM
Entries 3733328
QT8(0) sum - simulated
QT board

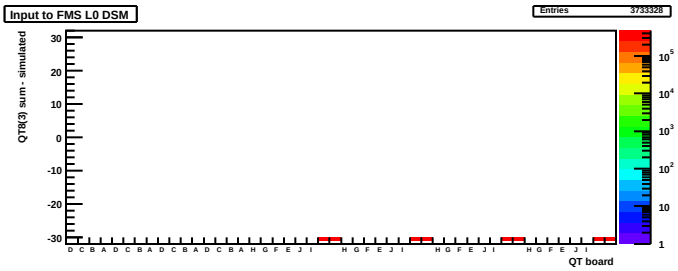

Input to FMS L0 DSM
Entries 2.239997e+07
QT8(1) sum
QT board

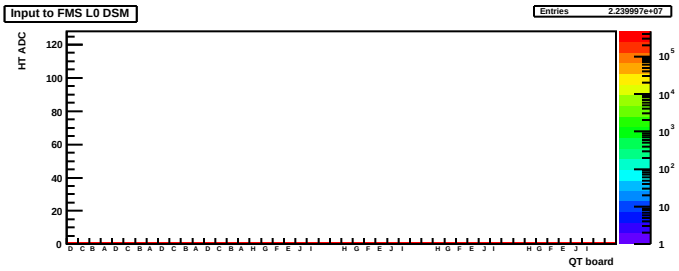

Input to FMS L0 DSM
Entries 3733328
QT8(1) sum - simulated
QT board

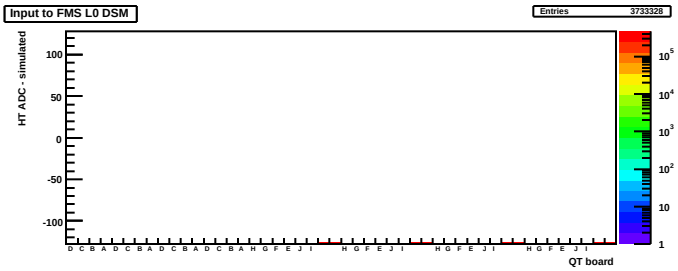

Input to FMS L0 DSM
Entries 2.239997e+07
QT8(2) sum
QT board

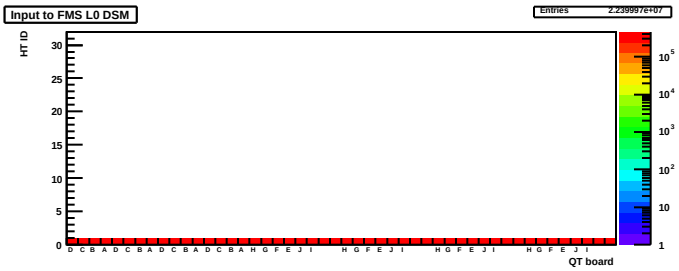

Input to FMS L0 DSM
Entries 3733328
QT8(2) sum - simulated
QT board

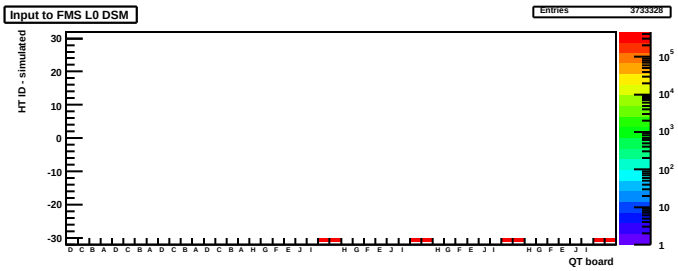

Input to FMS L0 DSM
Entries 2.239997e+07
QT8(3) sum
QT board

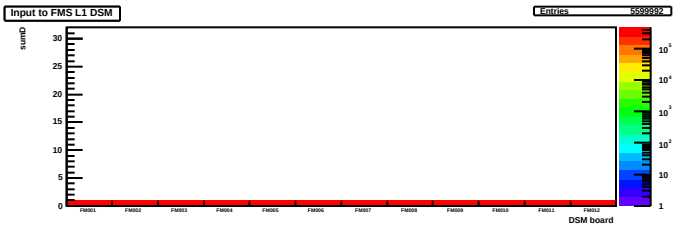

Input to FMS L0 DSM
Entries 3733328
QT8(3) sum - simulated
QT board

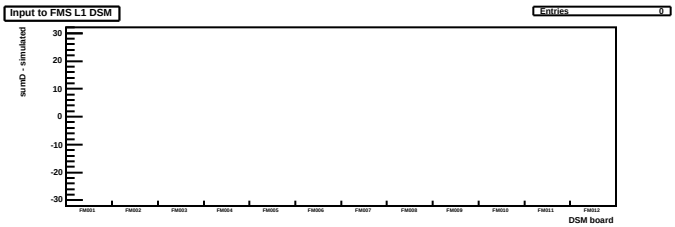

Input to FMS L0 DSM
Entries 2.239997e+07
HT ADC
QT board

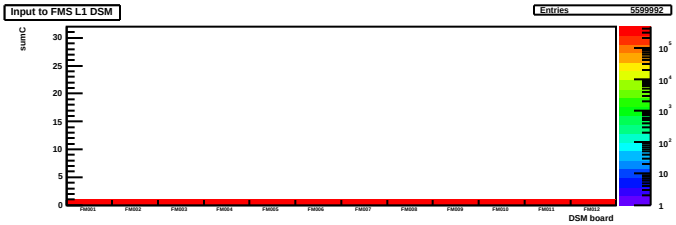

Input to FMS L0 DSM
Entries 3733328
HT ADC - simulated
QT board

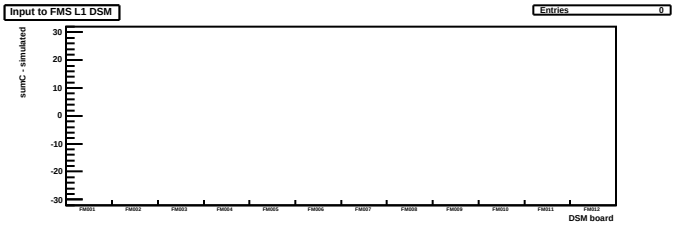

Input to FMS L0 DSM
Entries 2.239997e+07
HT ID
QT board

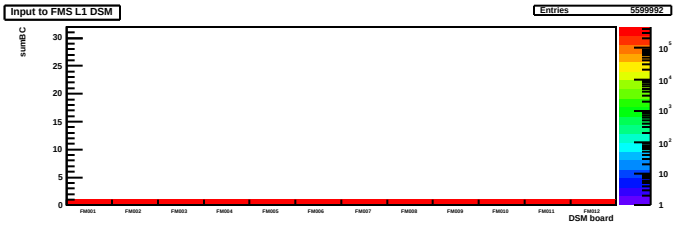

Input to FMS L0 DSM
Entries 3733328
HT ID - simulated
QT board

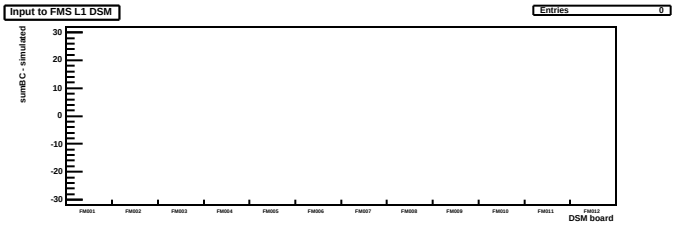

Input to FMS L1 DSM
Entries 5599992
sumD
DSM board

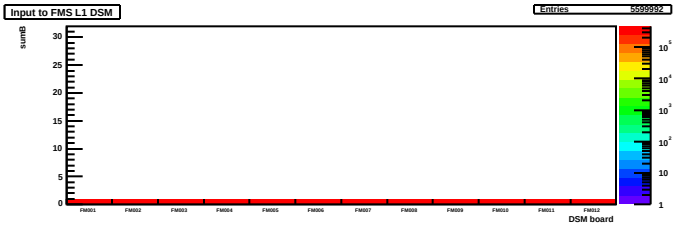

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

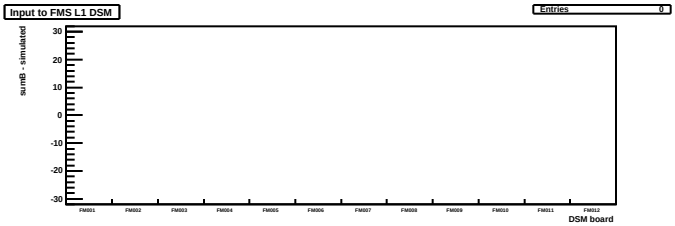

Input to FMS L1 DSM
Entries 5599992
sumC
DSM board

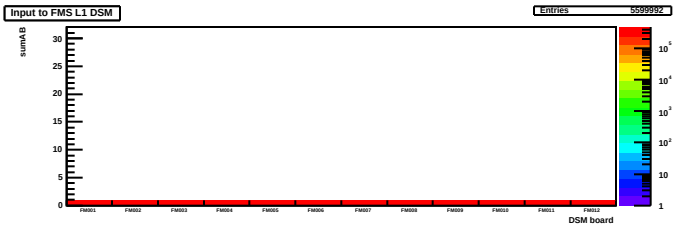

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

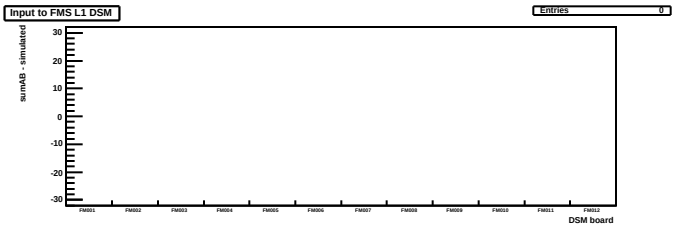

Input to FMS L1 DSM
Entries 5599992
sumBC
DSM board

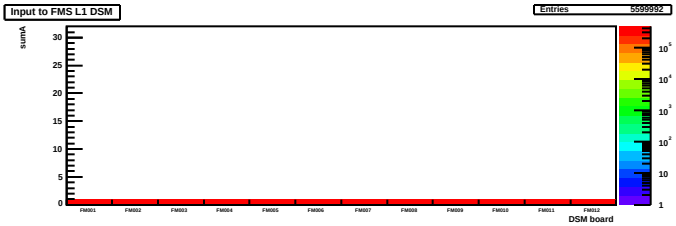

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

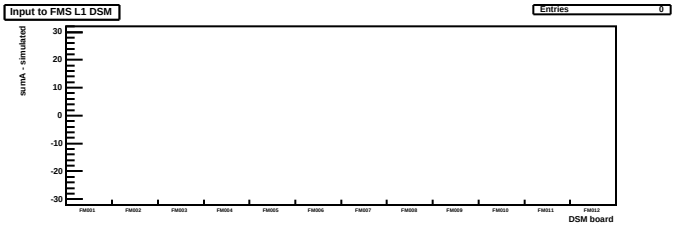

Input to FMS L1 DSM
Entries 5599992
sumB
DSM board

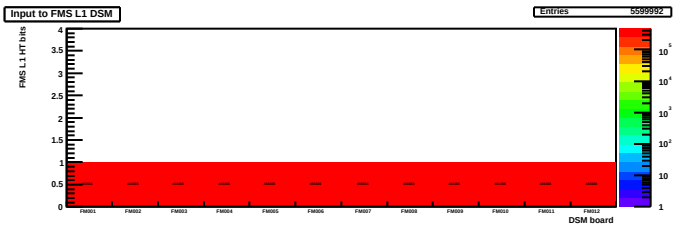

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

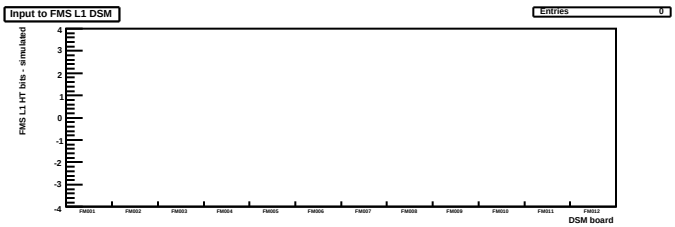

Input to FMS L1 DSM
Entries 5599992
sumAB
DSM board

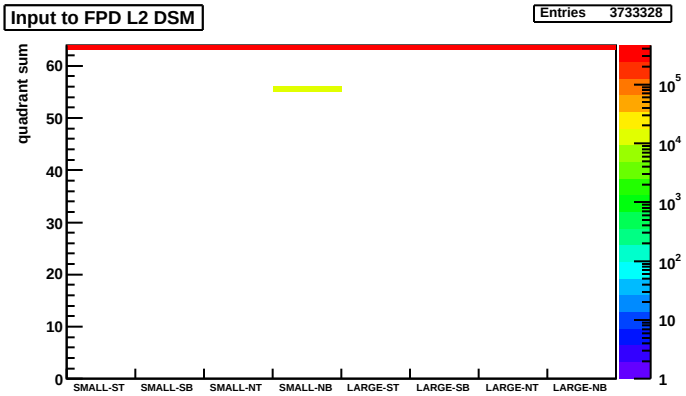

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

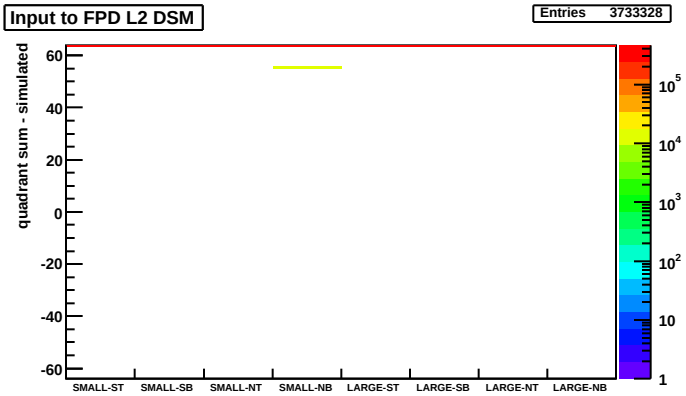

Input to FMS L1 DSM
Entries 5599992
sumA
DSM board

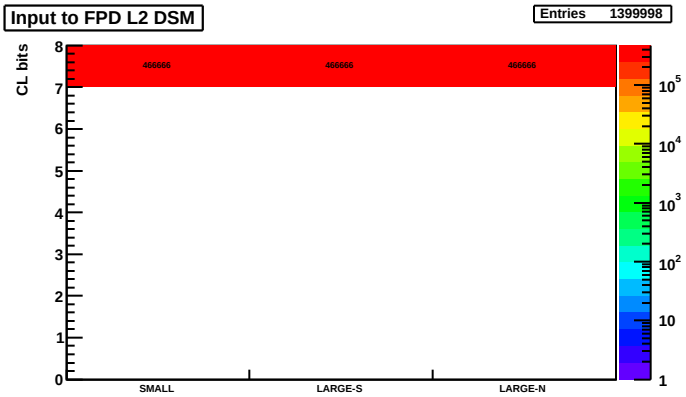

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

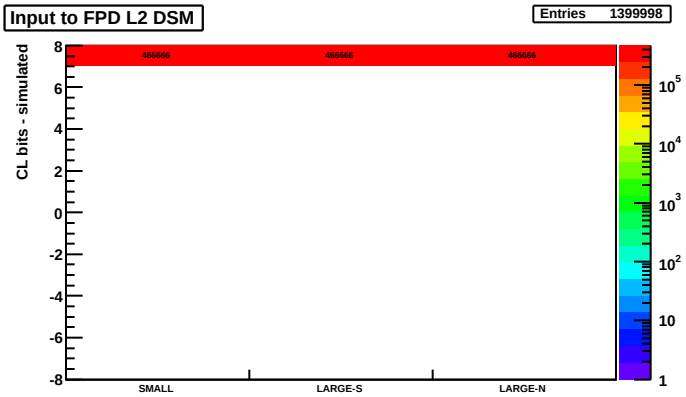

Input to FMS L1 DSM
Entries 5599992
FMS L1 HT bits
DSM board

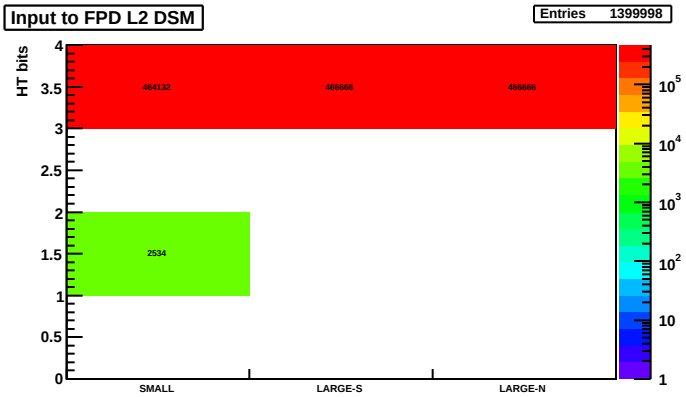

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

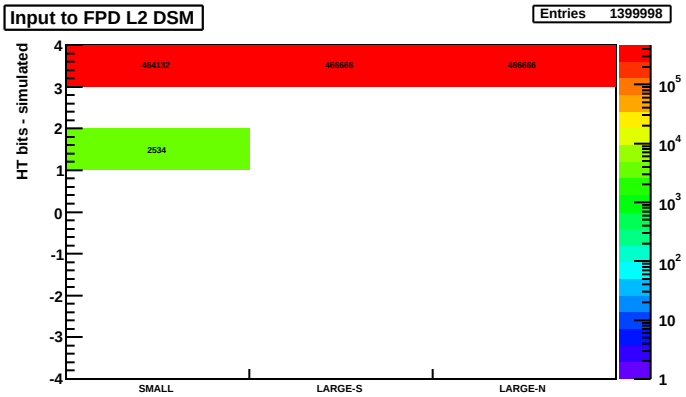

Input to FPD L2 DSM
Entries 3733328
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

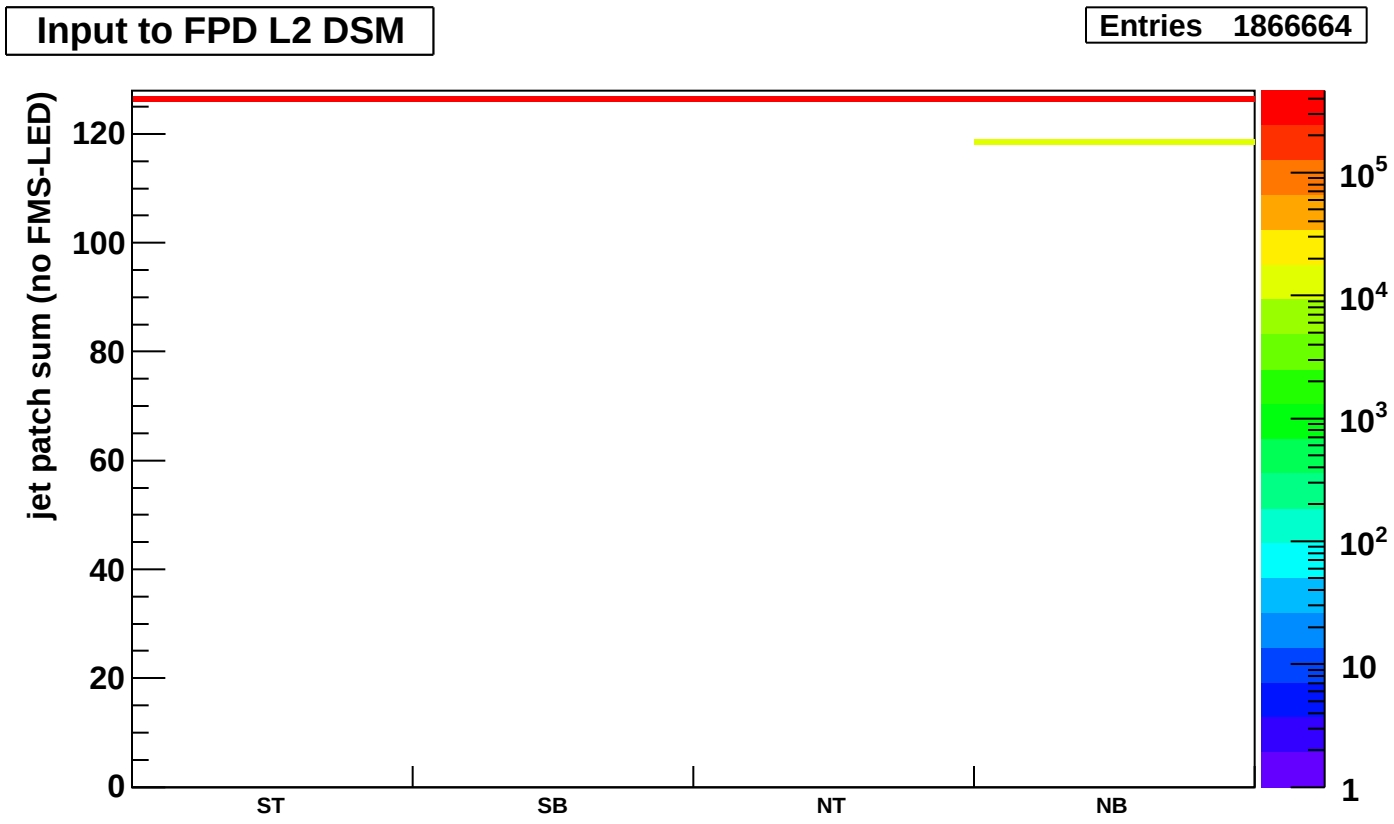

Input to FPD L2 DSM
Entries 3733328
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

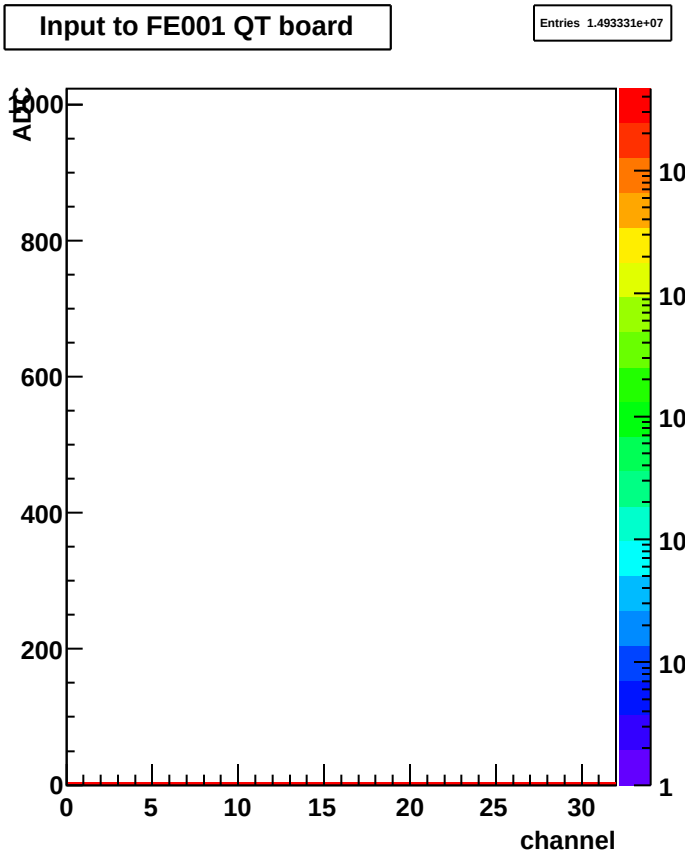

Input to FPD L2 DSM
Entries 1399998
CL bits
466666
466666
466666
SMALL
LARGE-S
LARGE-N

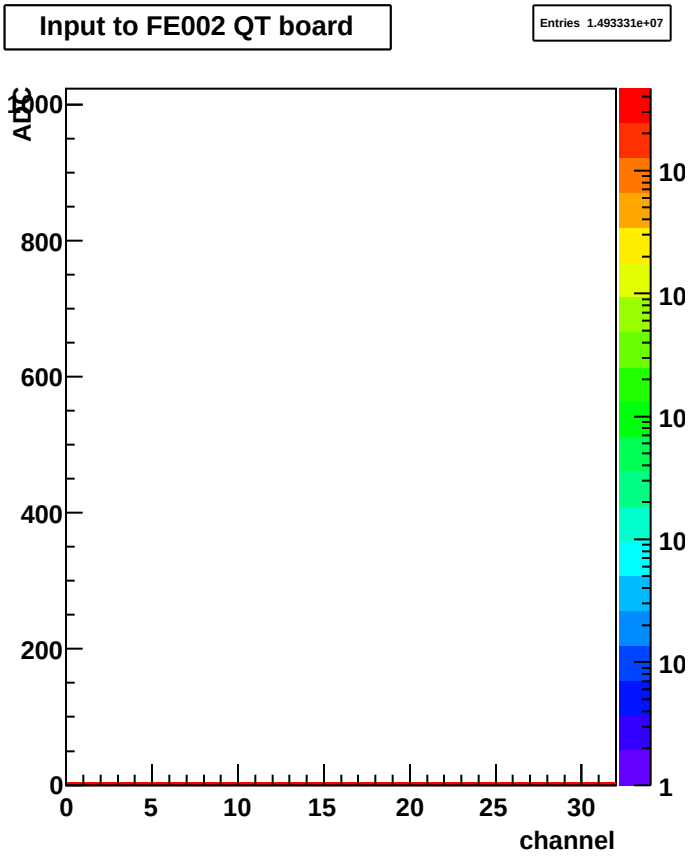

Input to FPD L2 DSM
Entries 1399998
CL bits - simulated
466666
466666
466666
SMALL
LARGE-S
LARGE-N

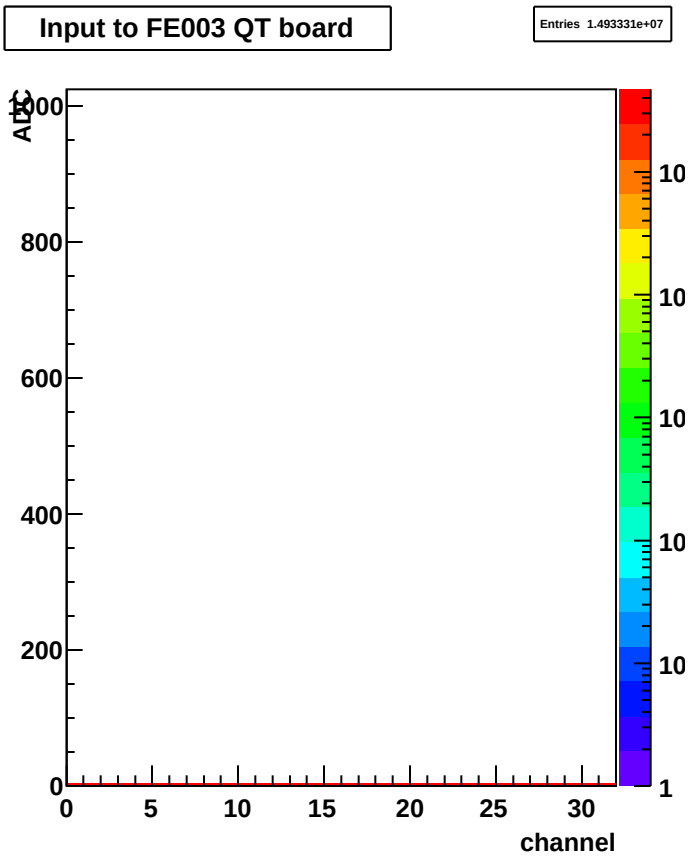

Input to FPD L2 DSM
Entries 1399998
HT bits
464132
466666
466666
2534
SMALL
LARGE-S
LARGE-N

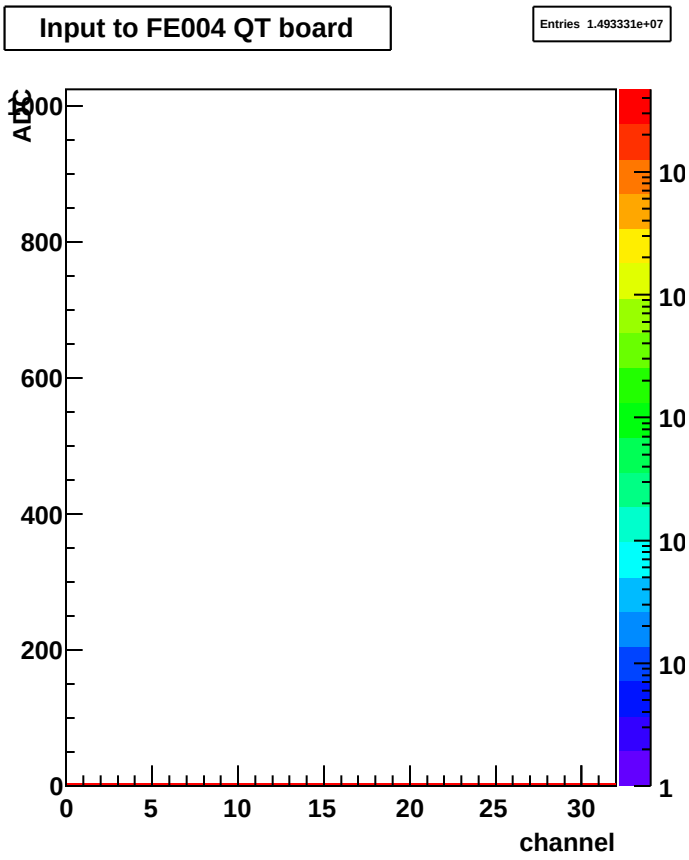

Input to FPD L2 DSM
Entries 1399998
HT bits - simulated
464132
466666
466666
2534
SMALL
LARGE-S
LARGE-N

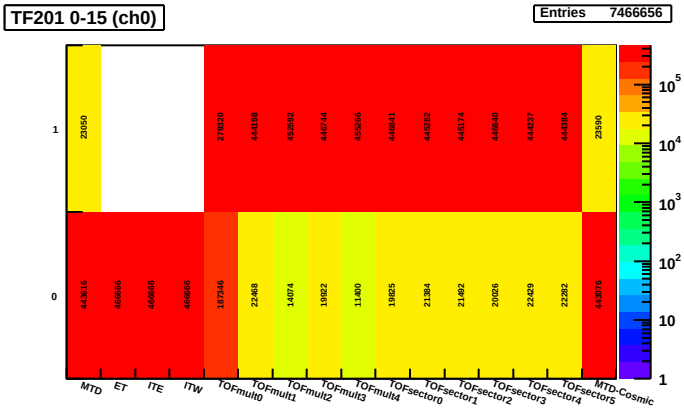

Input to FPD L2 DSM
Entries 1866664
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

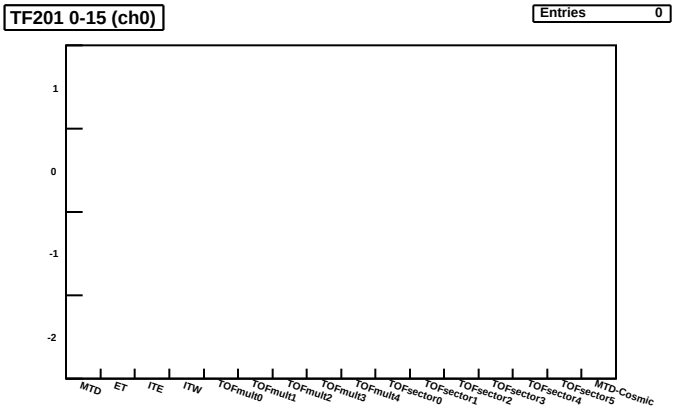

Input to FE001 QT board
Entries 1.493331e+07
ADC
channel

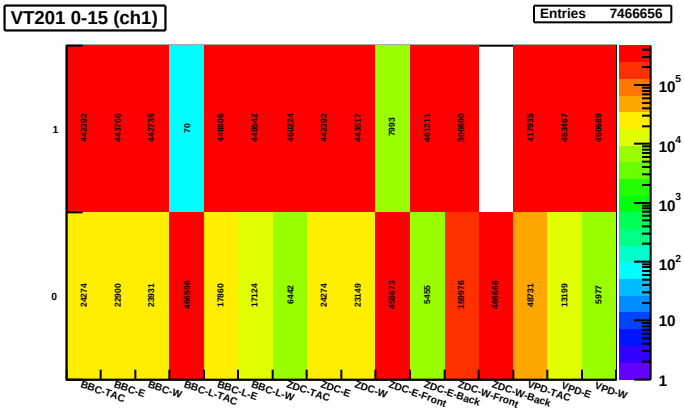

Input to FE002 QT board
Entries 1.493331e+07
ADC
channel

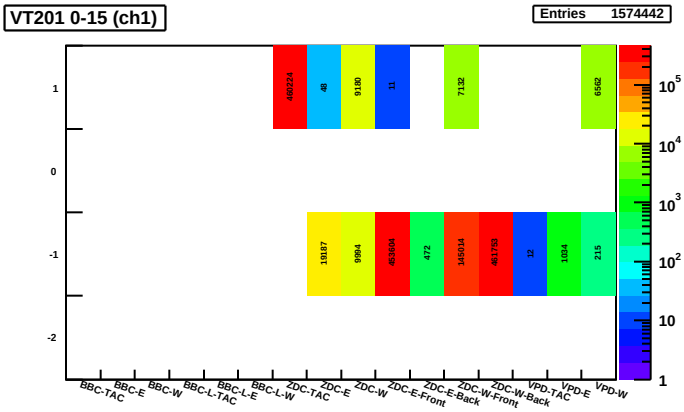

Input to FE003 QT board
Entries 1.493331e+07
ADC
channel

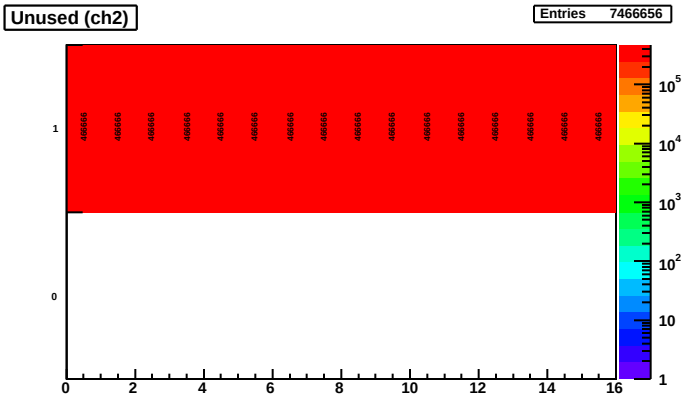

Input to FE004 QT board
Entries 1.493331e+07
ADC
channel

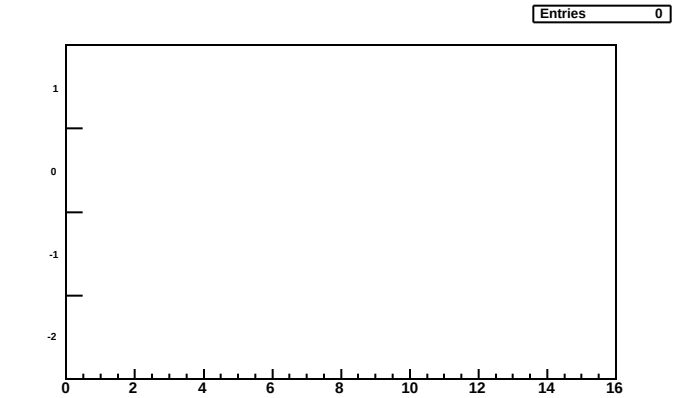

TF201 0-15 (ch0)
Entries 7466656
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

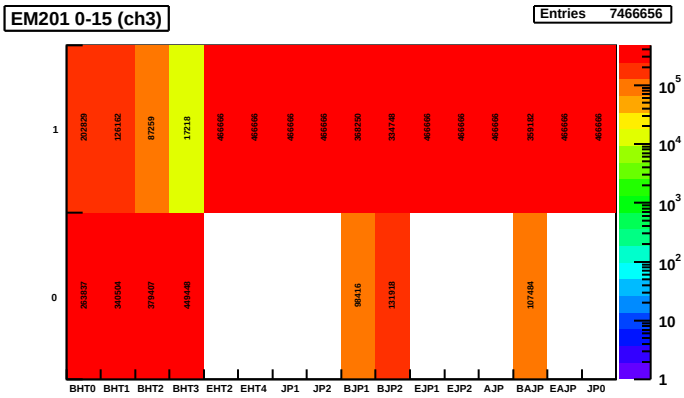

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

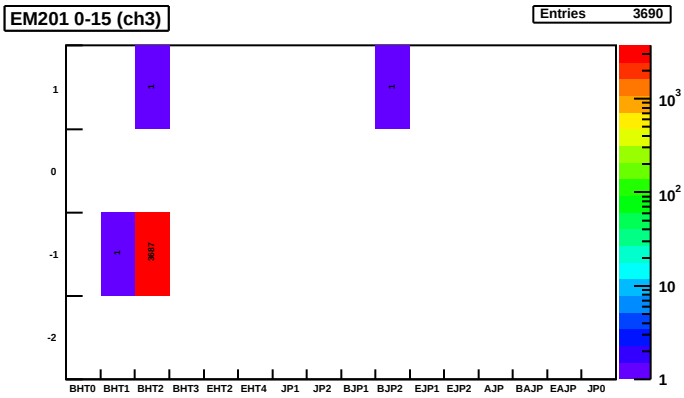

VT201 0-15 (ch1)
Entries 7466656
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 1574442
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

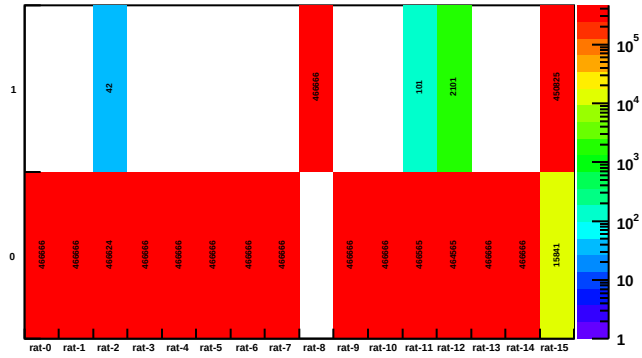

Unused (ch2)
Entries 7466656

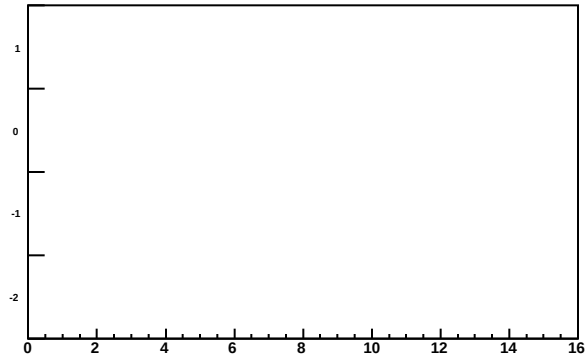

Entries 0


EM201 0-15 (ch3)
Entries 7466656
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

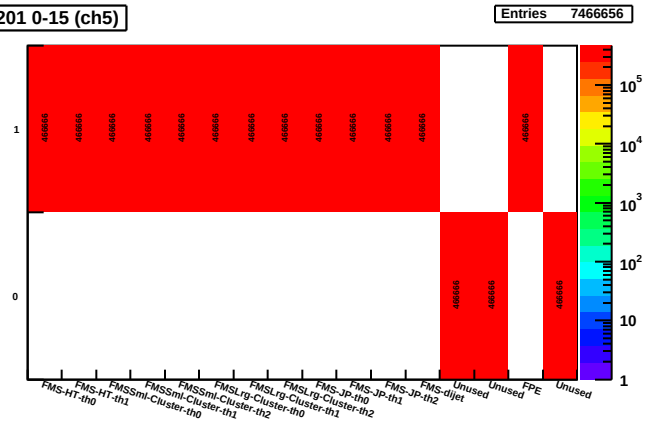

EM201 0-15 (ch3)
Entries 3690
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

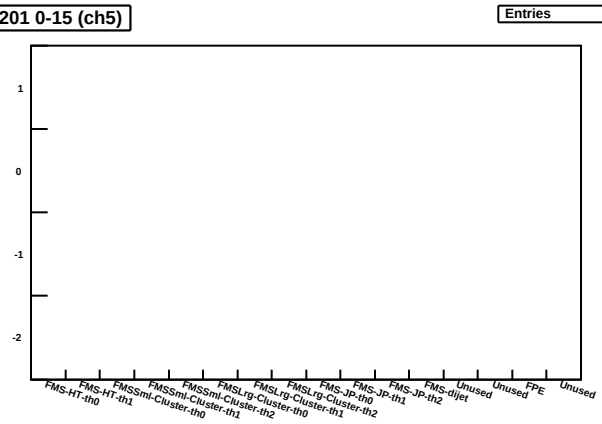




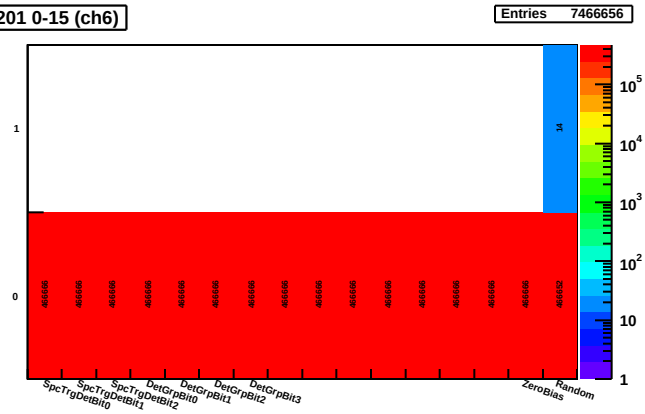
FP201 0-15 (ch5)

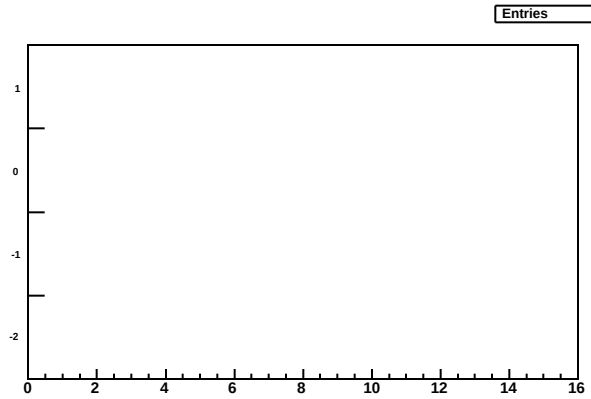
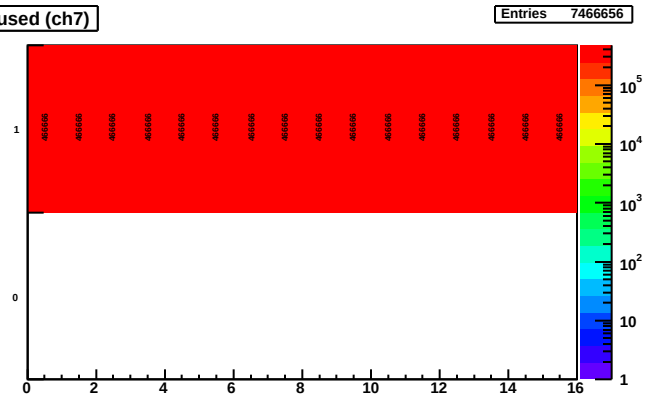
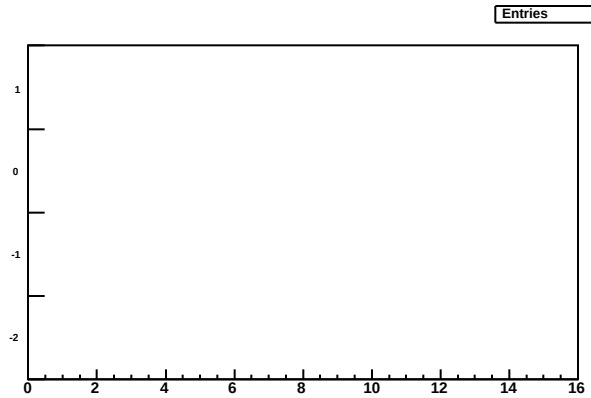


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)