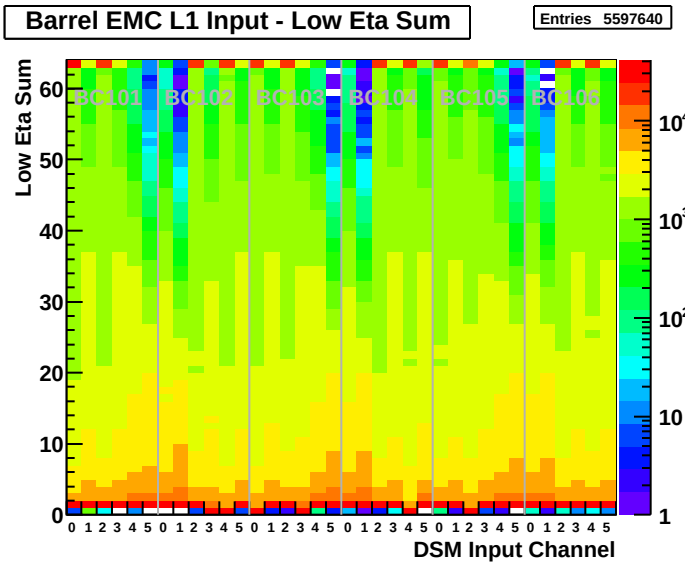
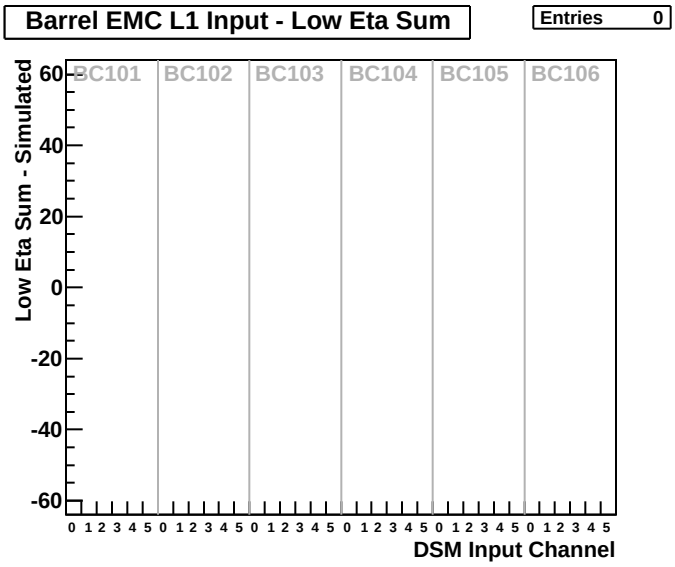
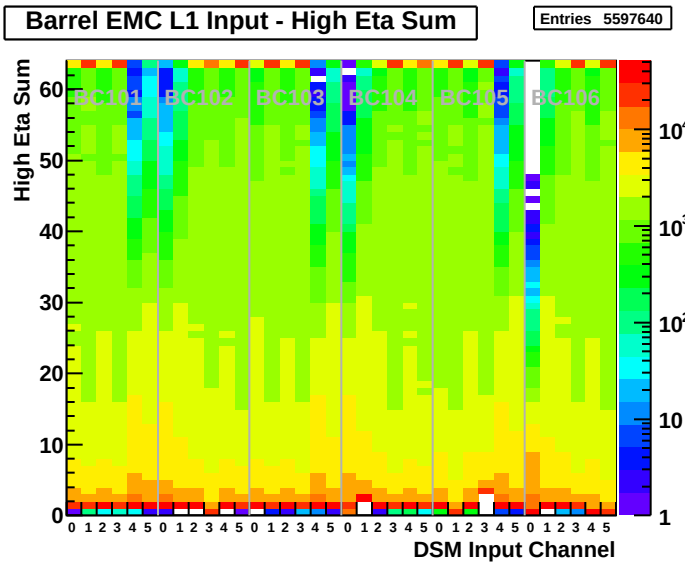
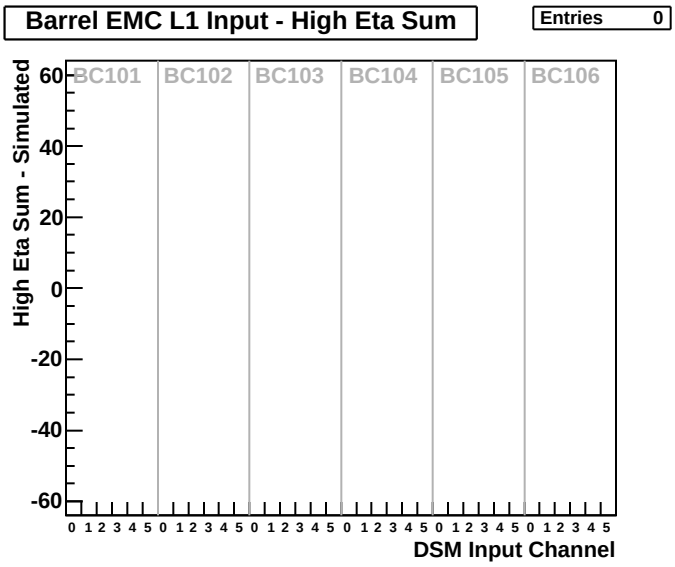
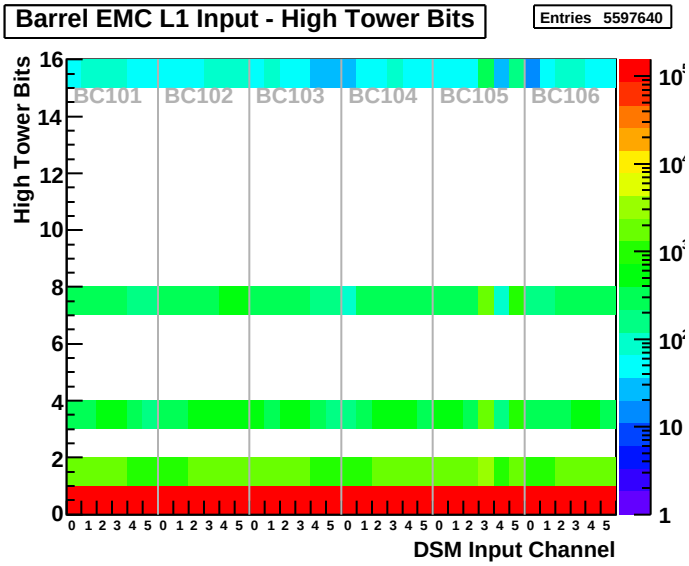
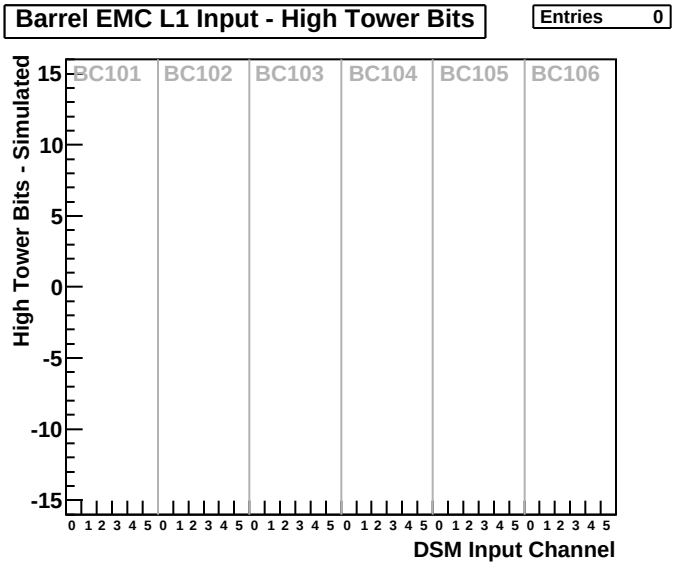

Barrel EMC L1 Input - Low Eta Sum
Entries 5597640
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

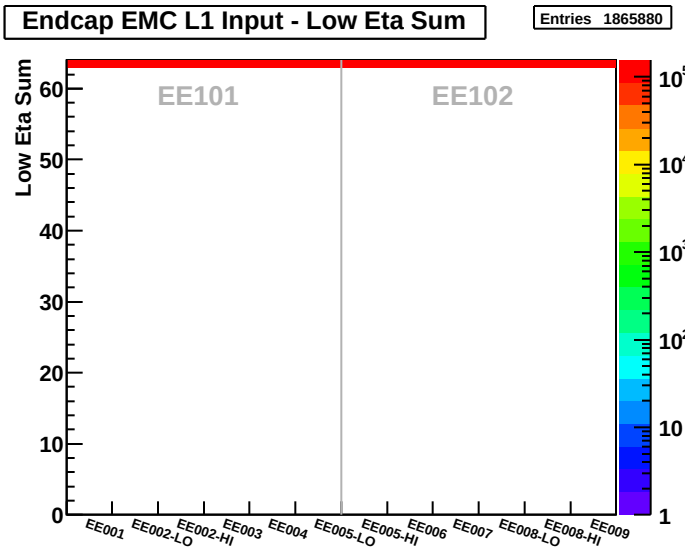

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

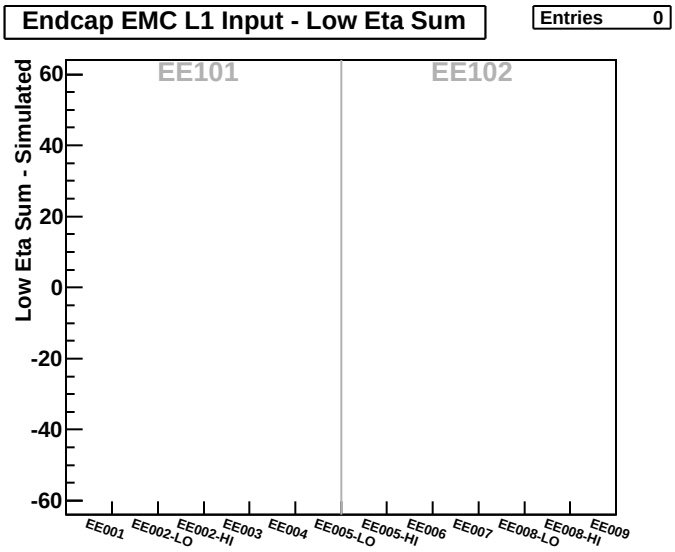

Barrel EMC L1 Input - High Eta Sum
Entries 5597640
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

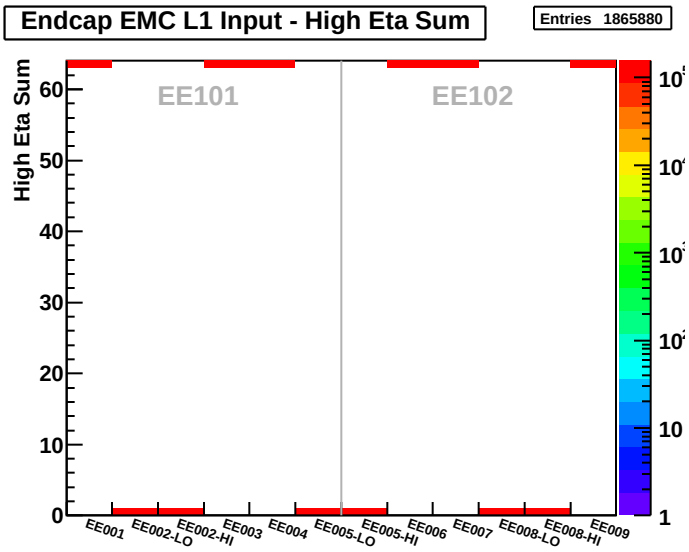

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

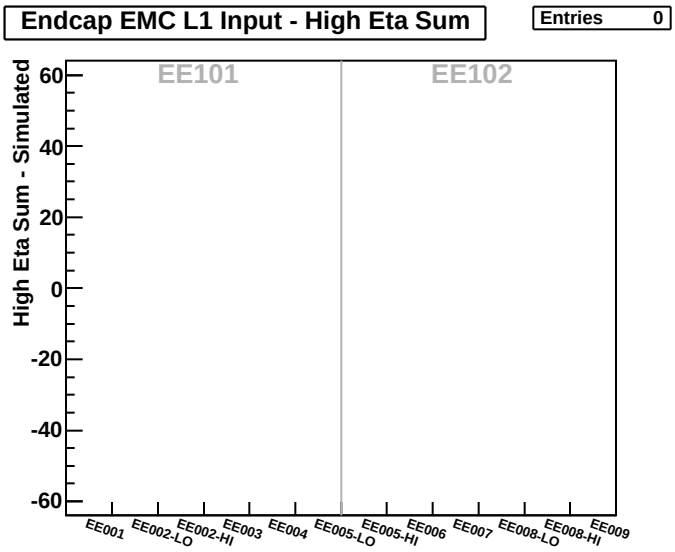

Barrel EMC L1 Input - High Tower Bits
Entries 5597640
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

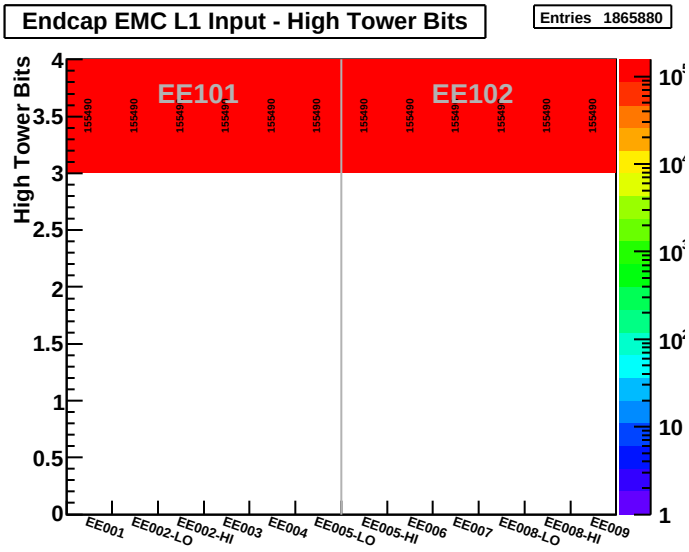

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

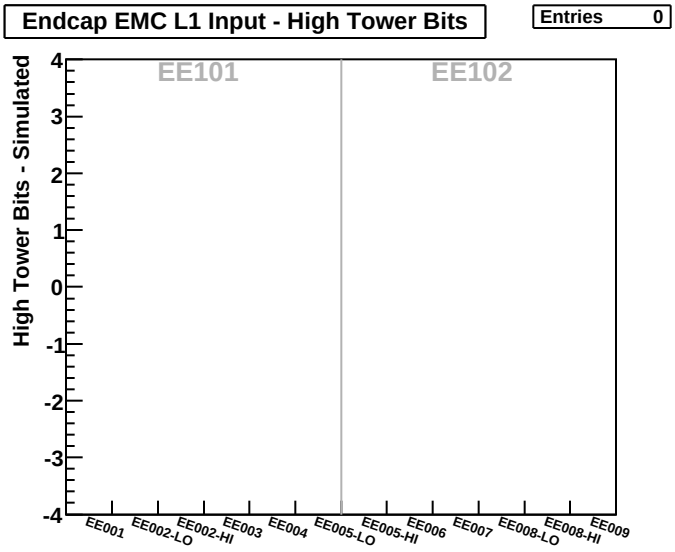

Endcap EMC L1 Input - Low Eta Sum
Entries 1865880
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

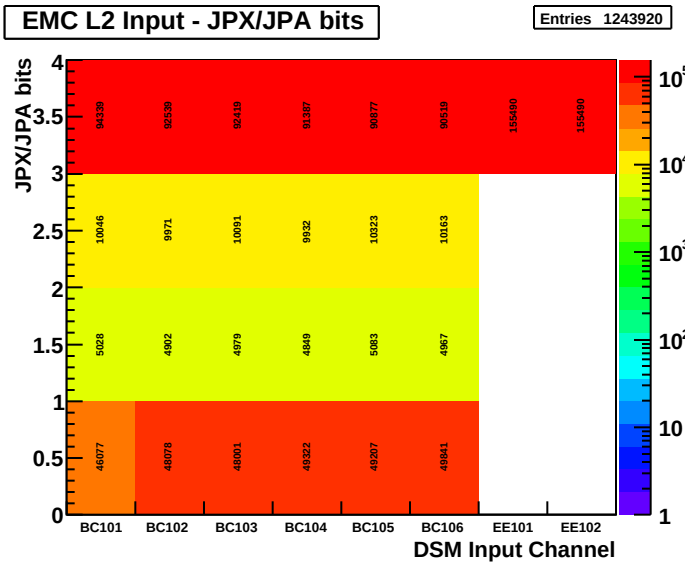

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

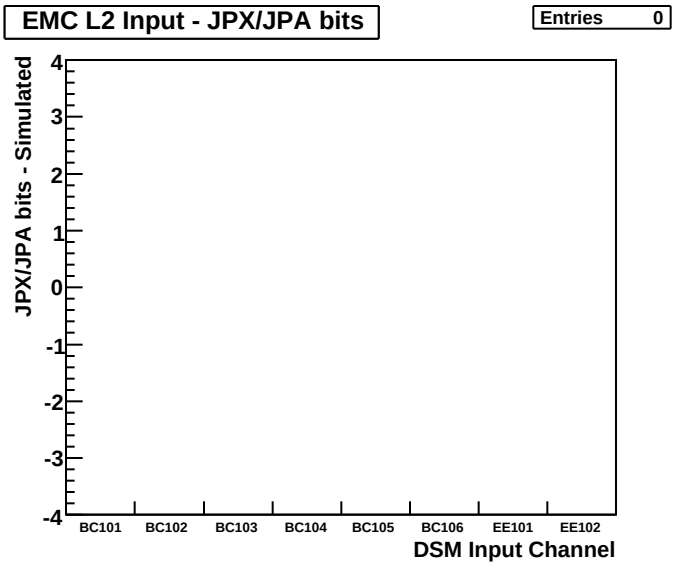

Endcap EMC L1 Input - High Eta Sum
Entries 1865880
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

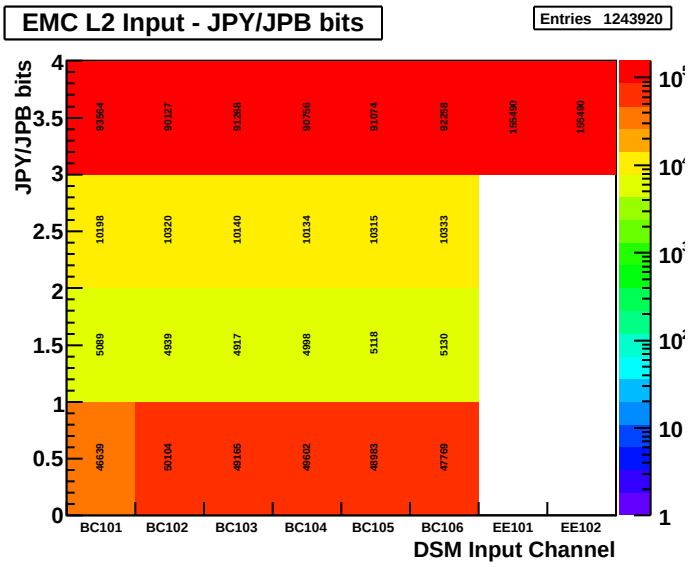

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

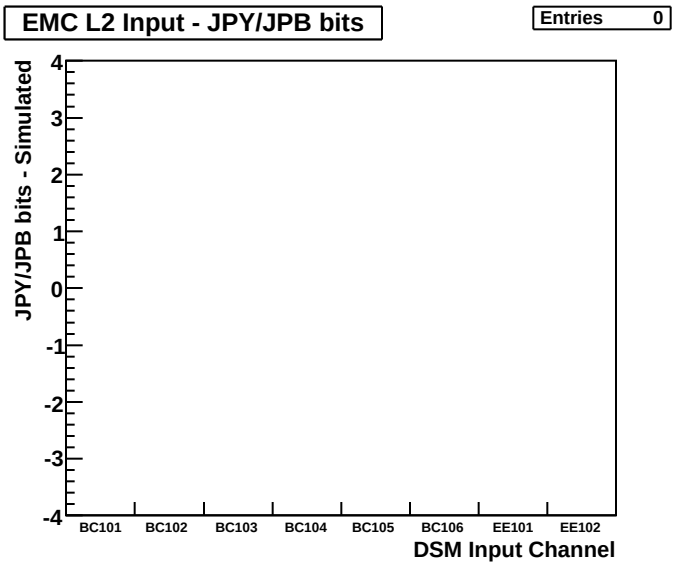

Endcap EMC L1 Input - High Tower Bits
Entries 1865880
High Tower Bits
EE101
EE102
155490
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

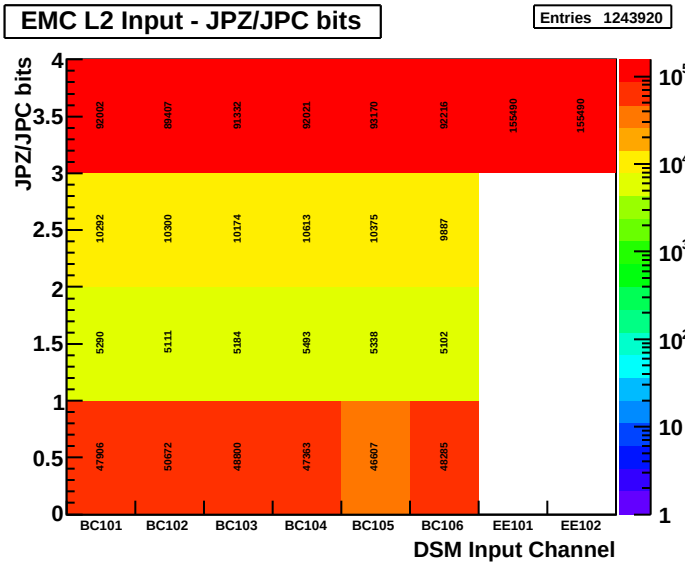

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

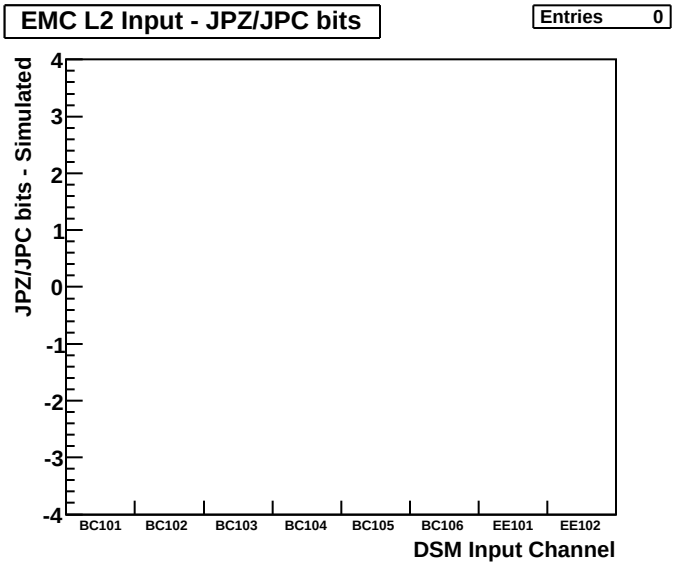

EMC L2 Input - JPX/JPA bits
Entries 1243920
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
94339 92539 92419 91387 90877 90519 155490 155490
10046 9971 10091 9932 10323 10163
5028 4902 4979 4849 5083 4967
46077 48078 48001 49322 49207 49841

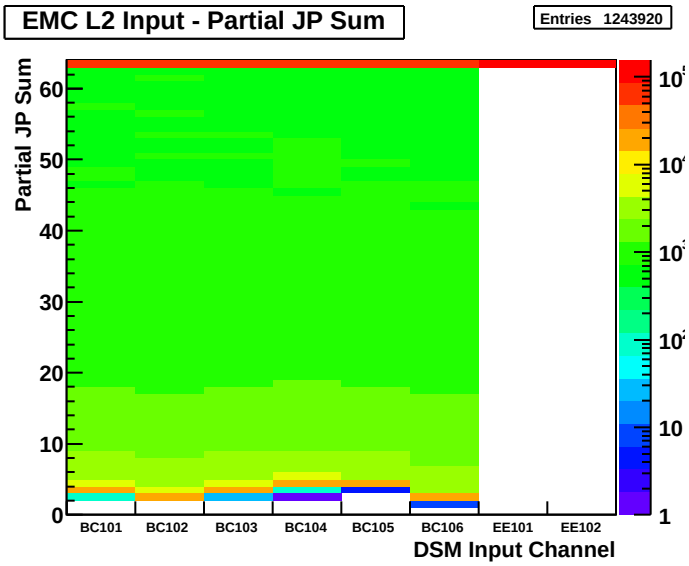

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

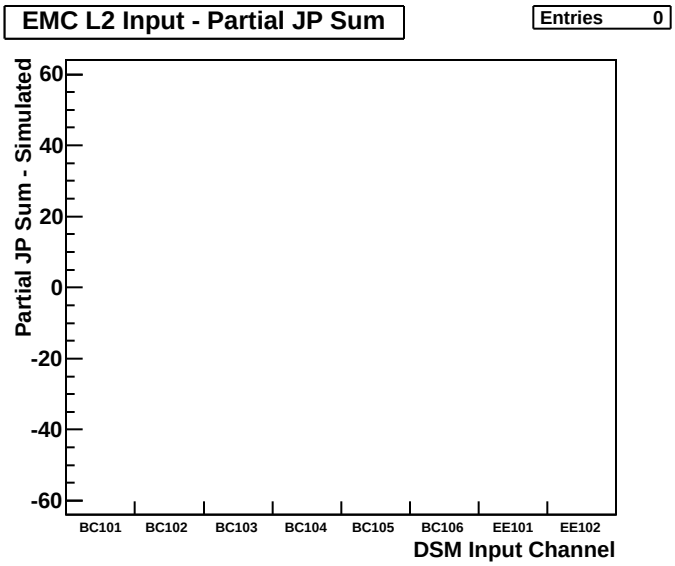

EMC L2 Input - JPY/JPB bits
Entries 1243920
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
93564 90127 91268 90756 91074 92258 155490 155490
10198 10320 10140 10134 10315 10333
5089 4939 4917 4998 5118 5130
46539 50104 49165 49602 48983 47769

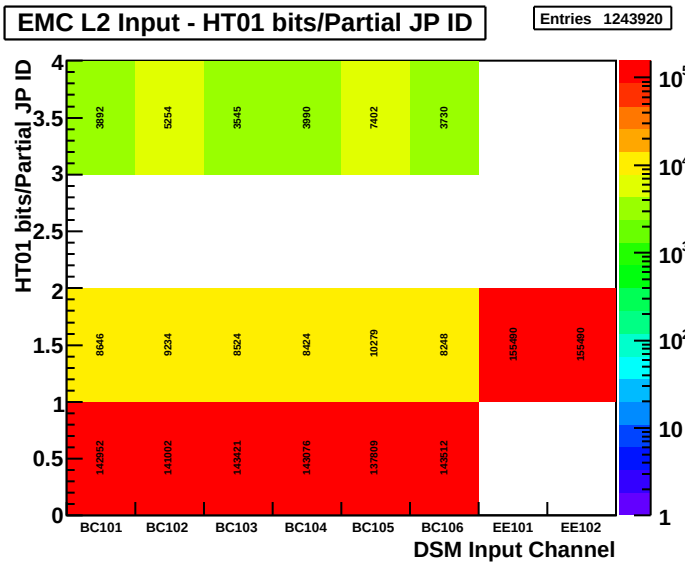

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

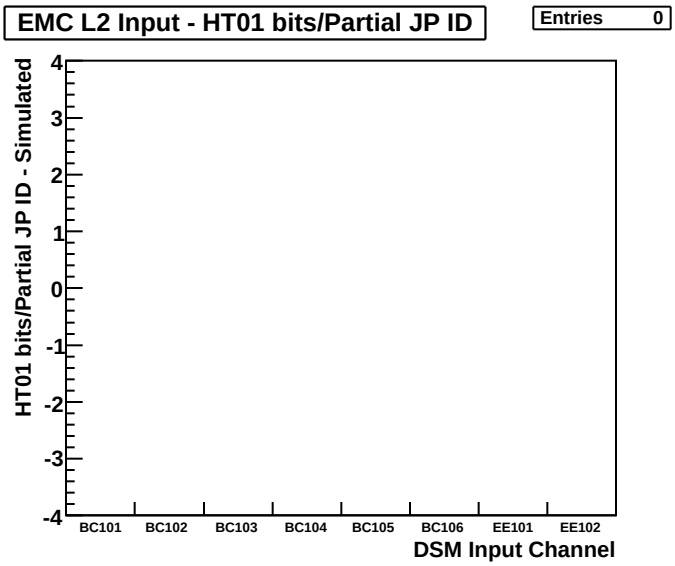

EMC L2 Input - JPZ/JPC bits
Entries 1243920
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
92002 88407 91332 92021 93170 92216 155490 155490
10292 10300 10174 10613 10375 9987
5290 5111 5184 5493 5338 5102
47906 50672 48800 47363 46607 48385

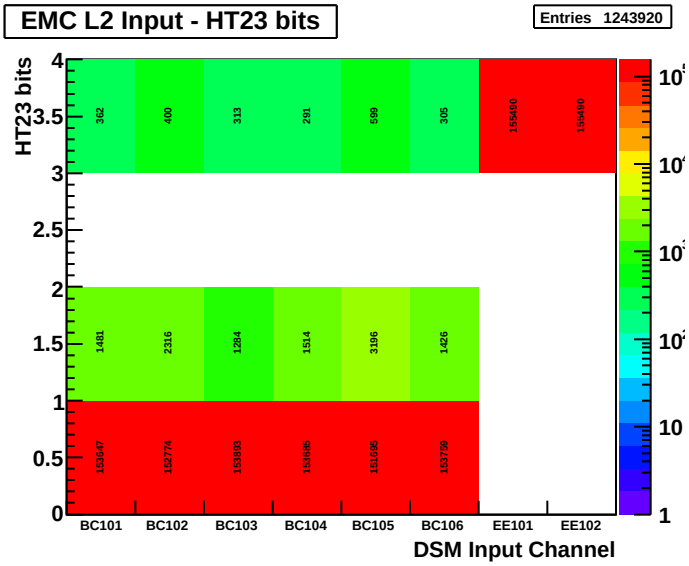

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

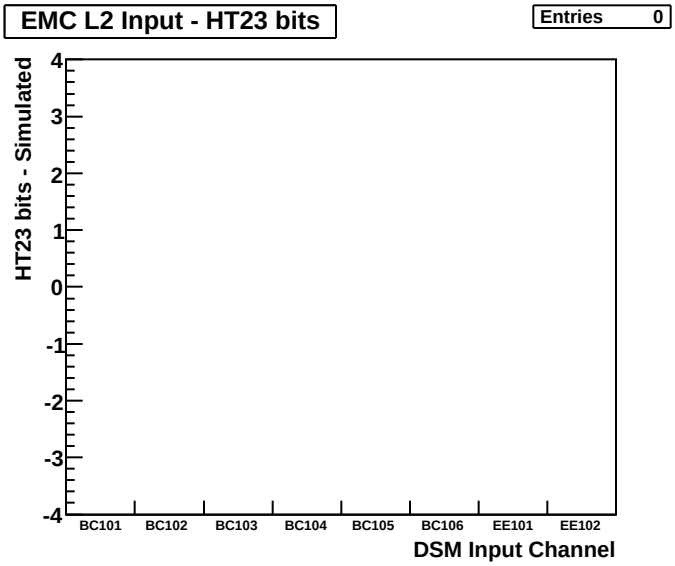

EMC L2 Input - Partial JP Sum
Entries 1243920
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

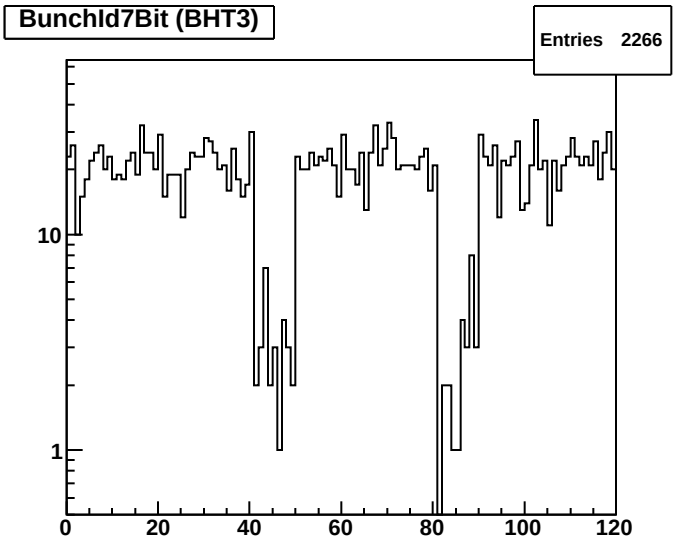

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

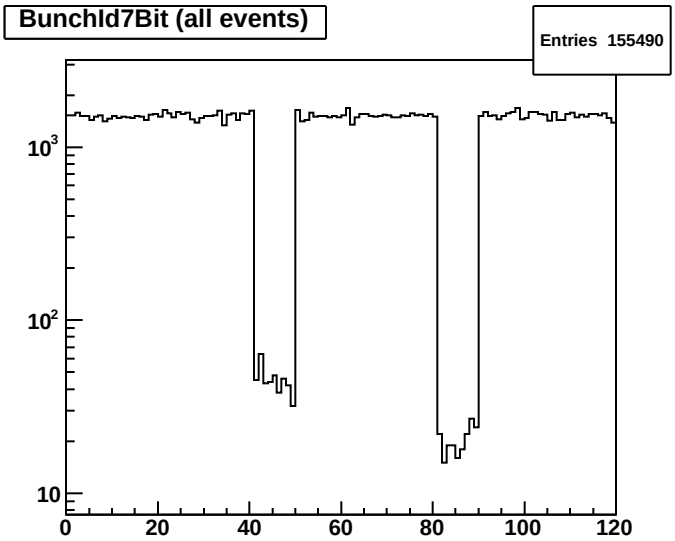

EMC L2 Input - HT01 bits/Partial JP ID
Entries 1243920
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

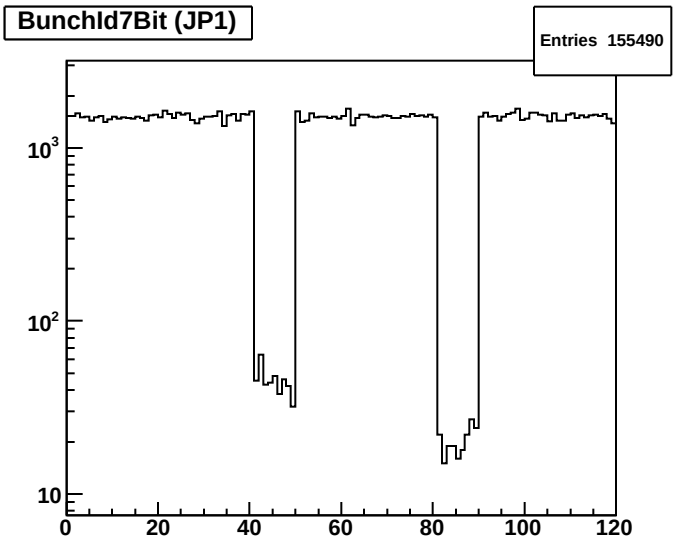

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

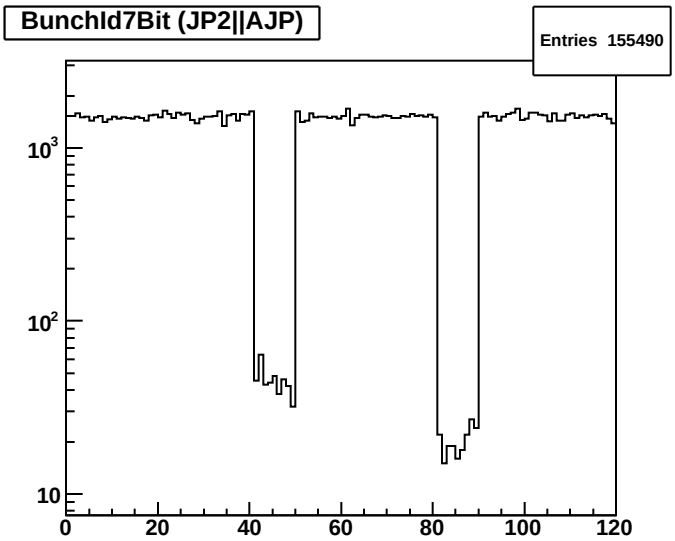

EMC L2 Input - HT23 bits
Entries 1243920
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

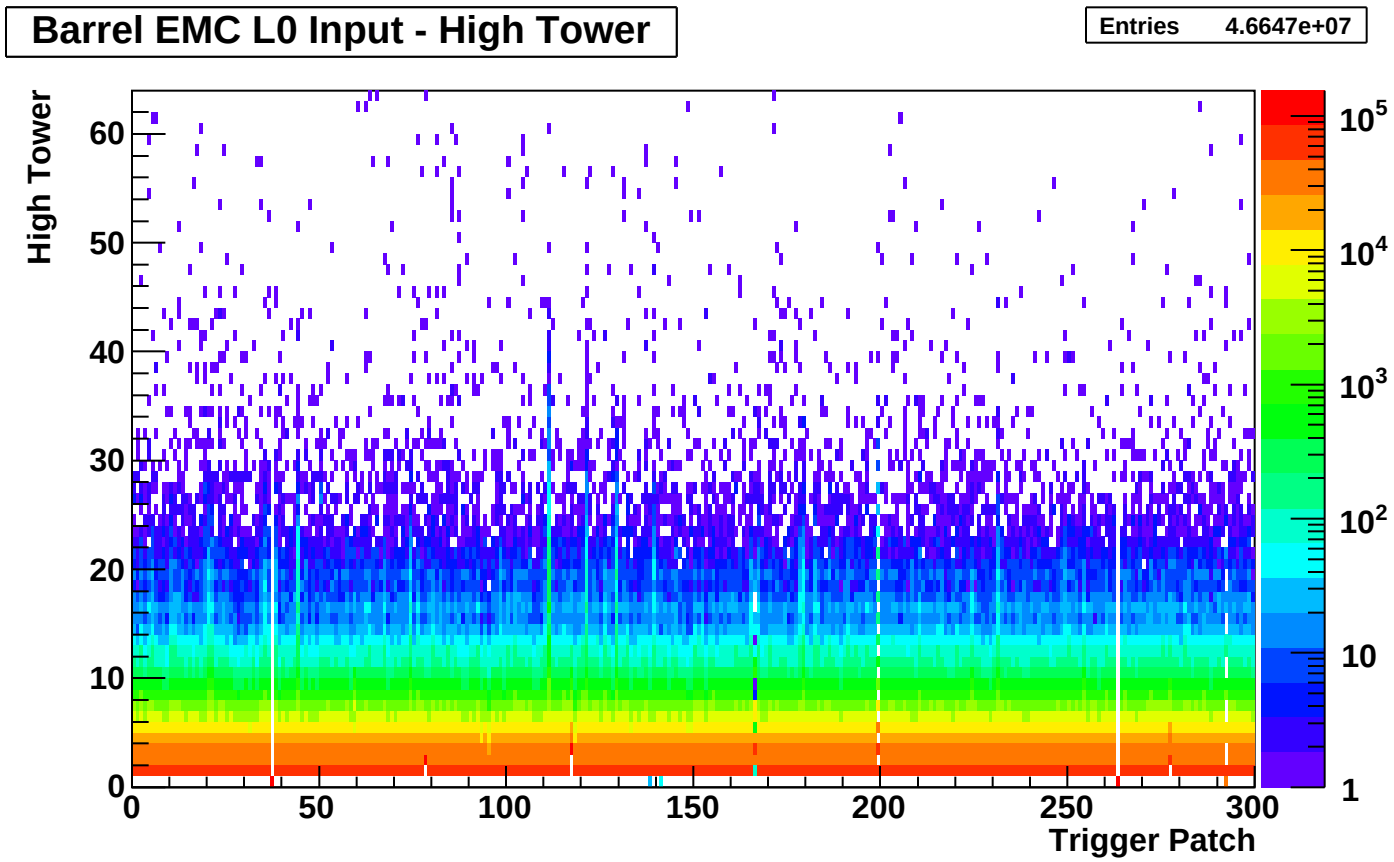

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

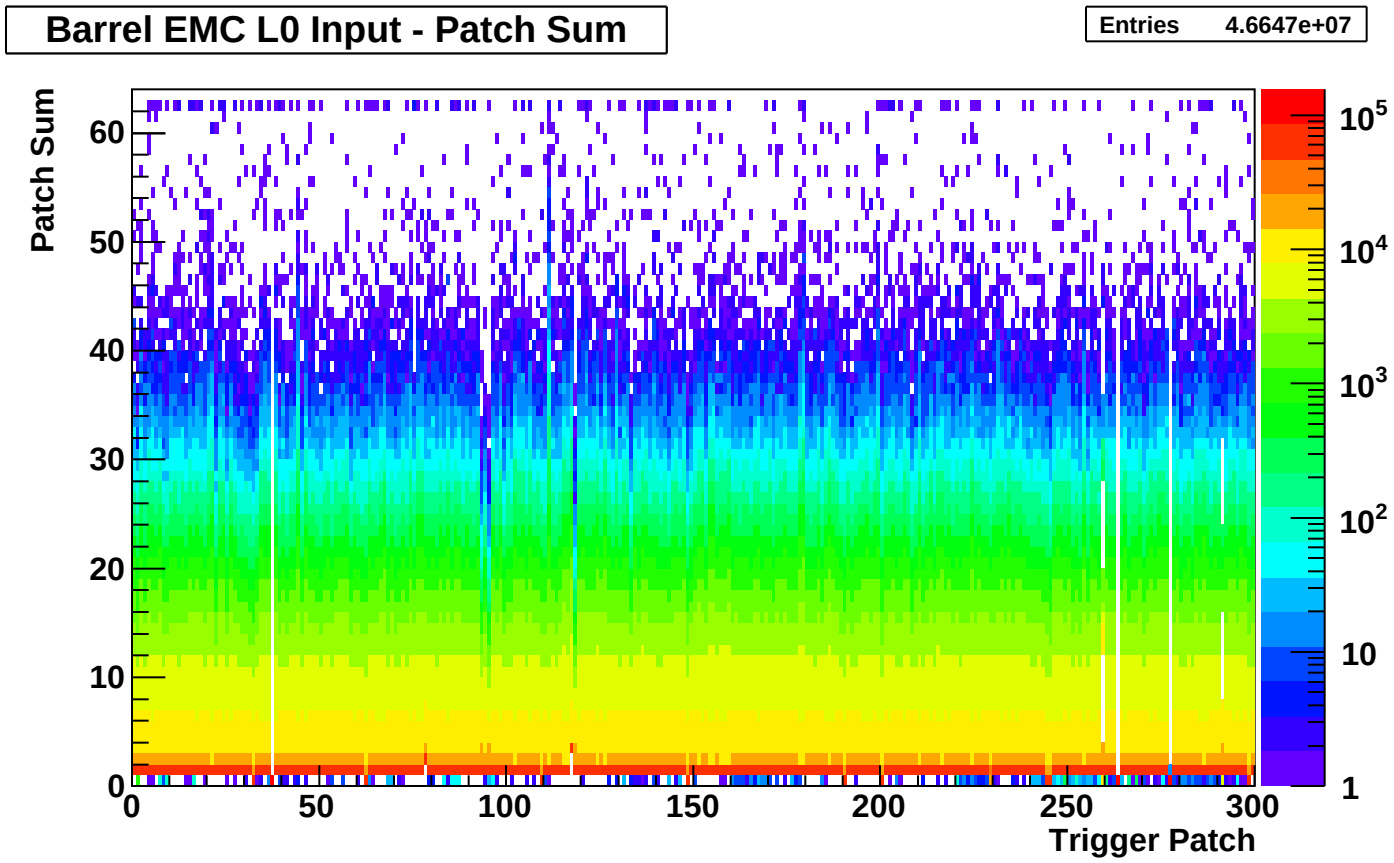

BunchId7Bit (BHT3)
Entries 2266
10
1
0
20
40
60
80
100
120

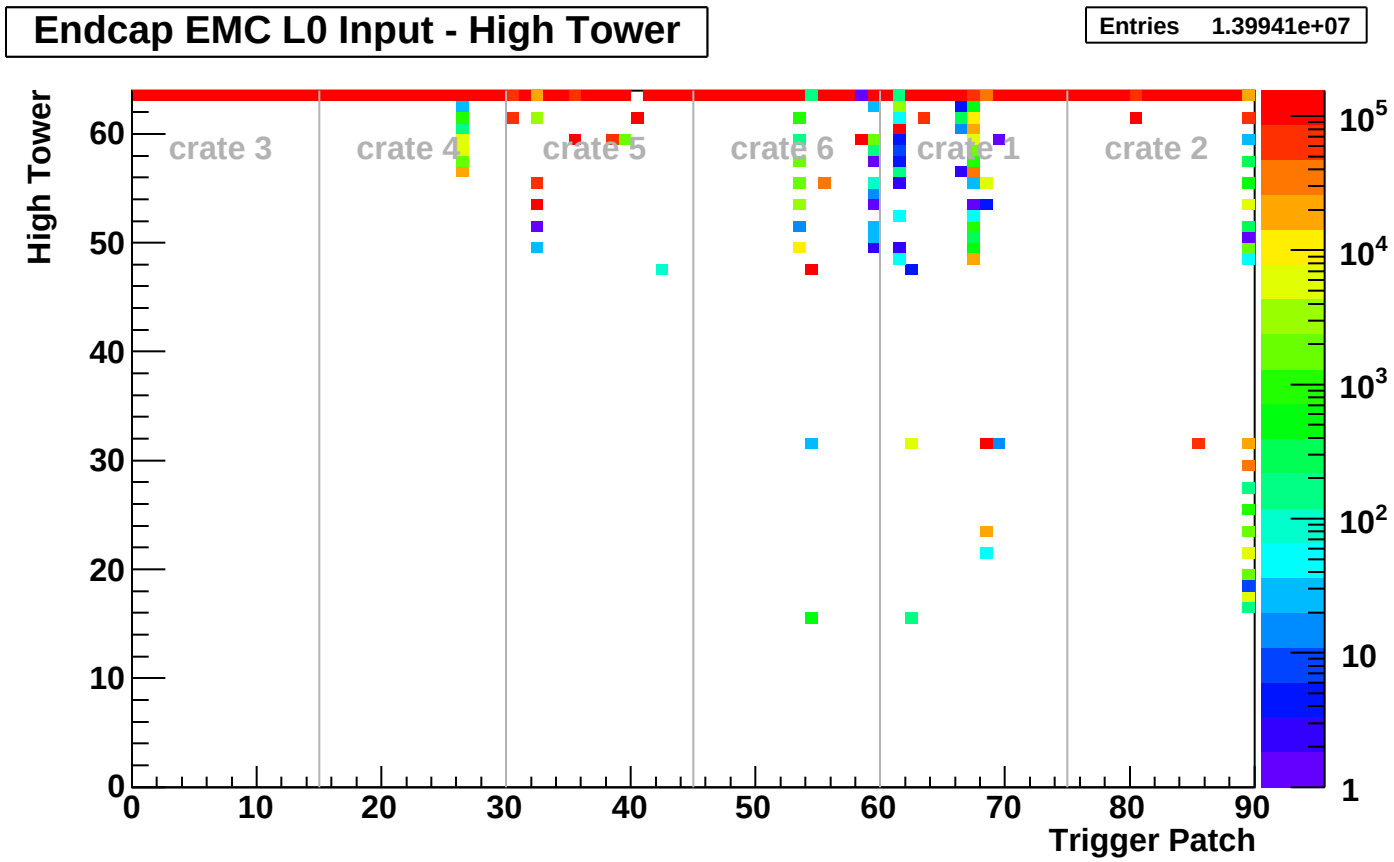

BunchId7Bit (all events)
Entries 155490
10^3
10^2
10
0
20
40
60
80
100
120

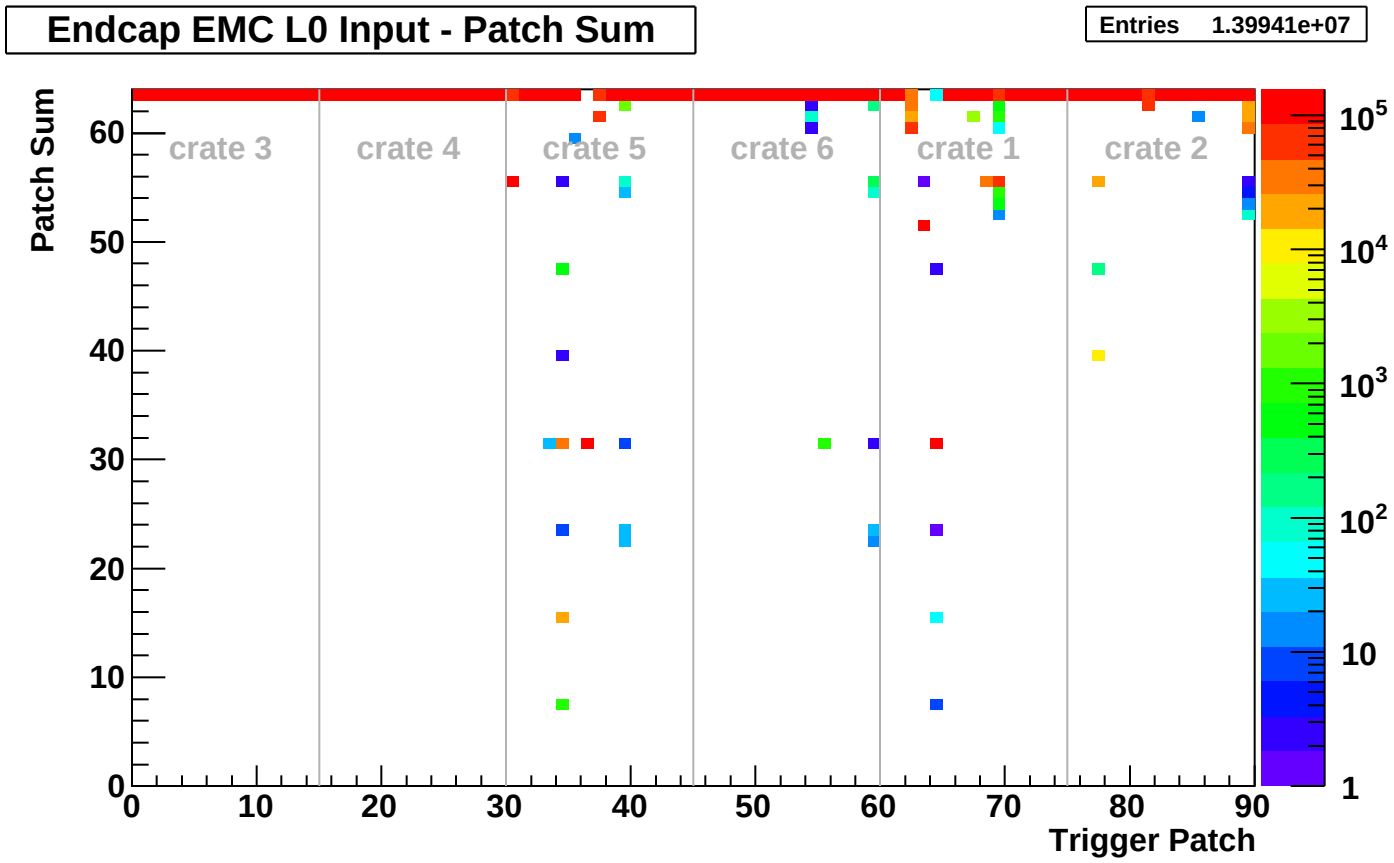

BunchId7Bit (JP1)
Entries 155490
10^3
10^2
10
0
20
40
60
80
100
120

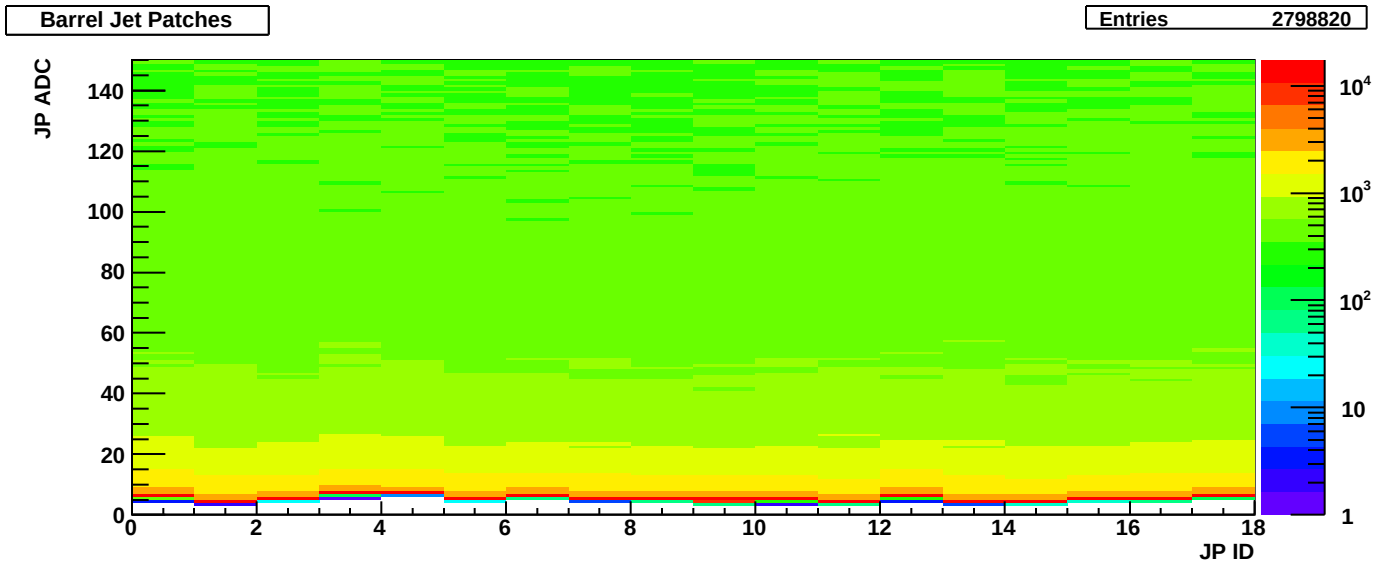

BunchId7Bit (JP2||AJP)
Entries 155490
10^3
10^2
10
0
20
40
60
80
100
120

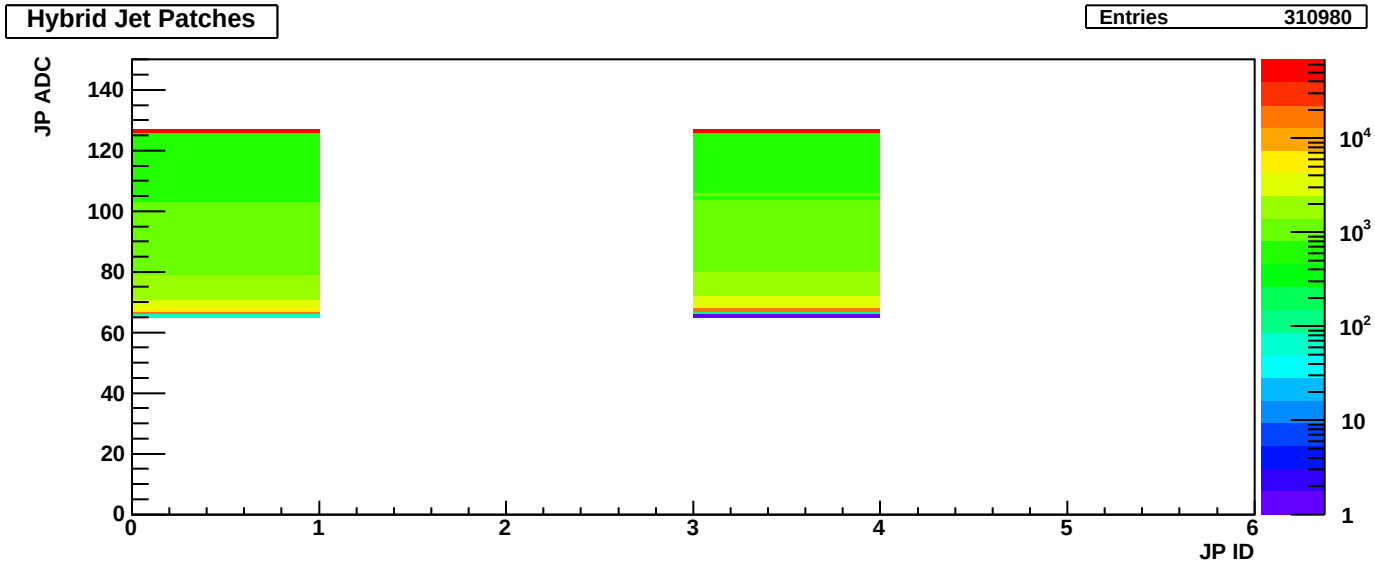

Barrel EMC L0 Input - High Tower
Entries 4.6647e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

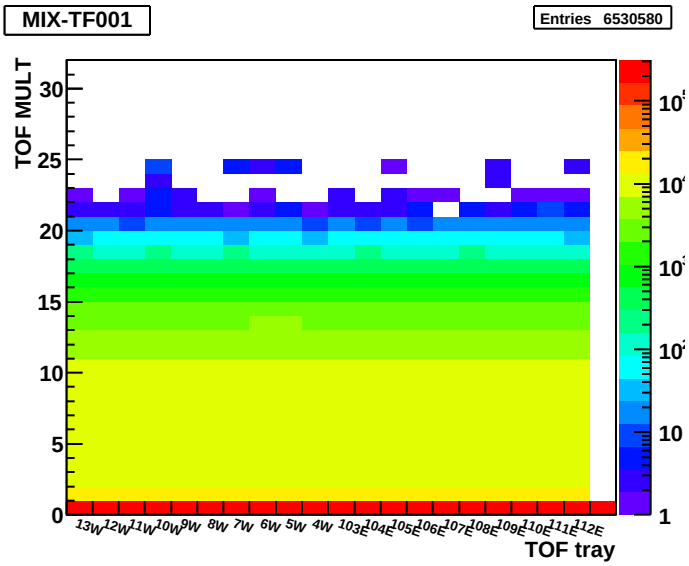

Barrel EMC L0 Input - Patch Sum
Entries 4.6647e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

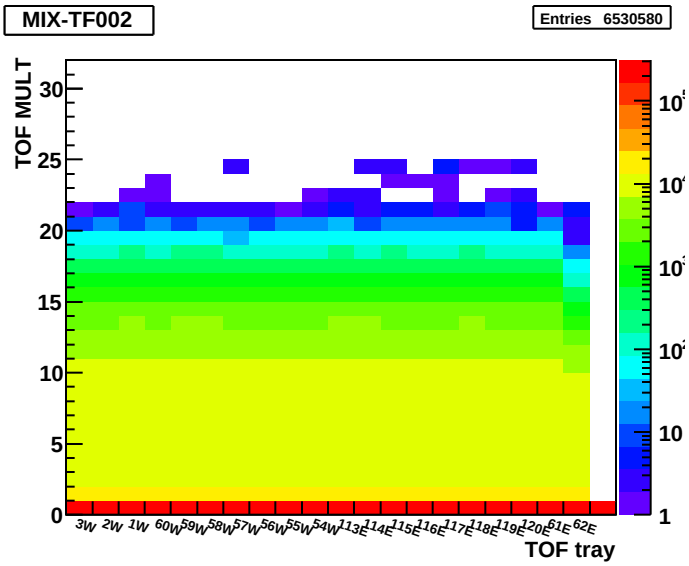

Endcap EMC L0 Input - High Tower
Entries 1.39941e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

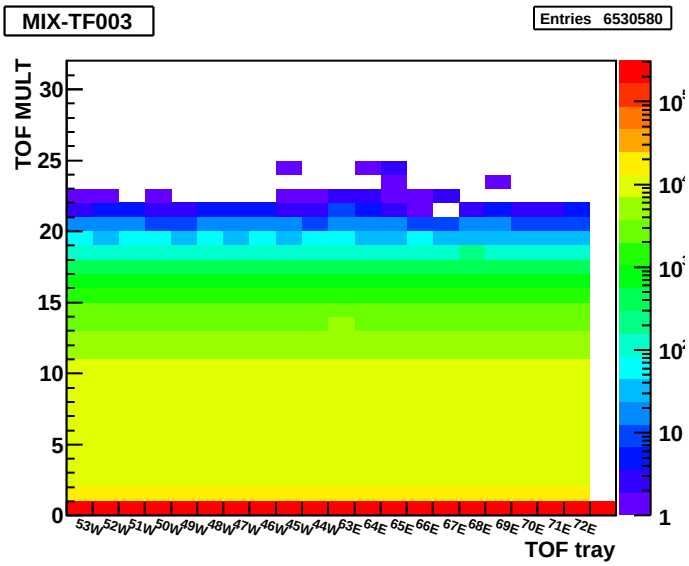

Endcap EMC L0 Input - Patch Sum
Entries 1.39941e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

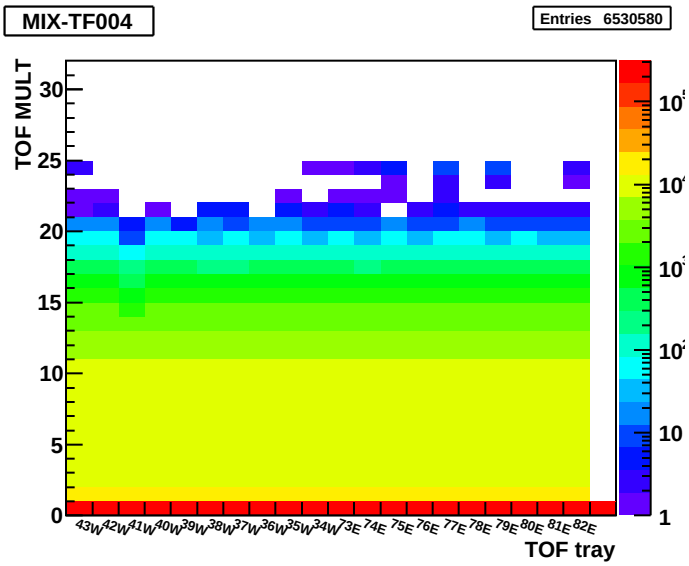

Barrel Jet Patches
Entries 2798820
JP ADC
JP ID

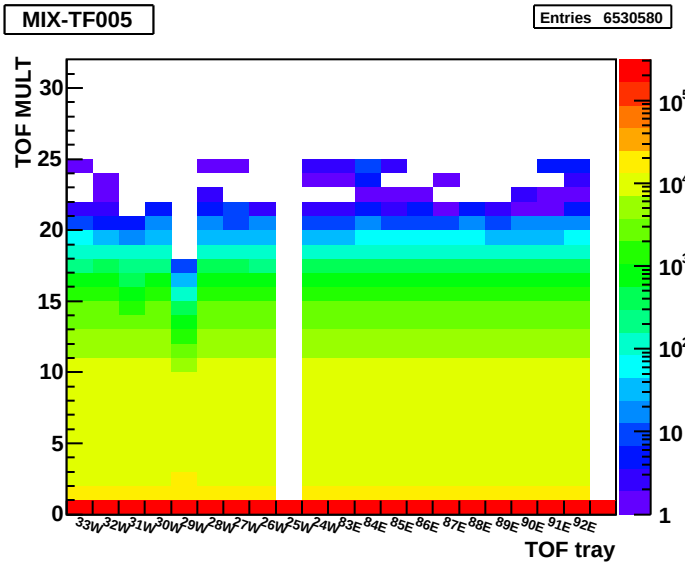

Hybrid Jet Patches
Entries 310980
JP ADC
JP ID

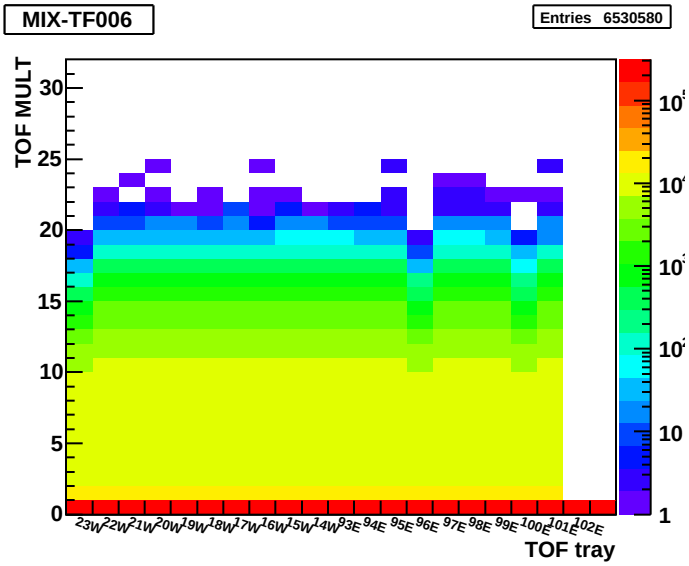

MIX-TF001
Entries 6530580
TOF MULT
TOF tray

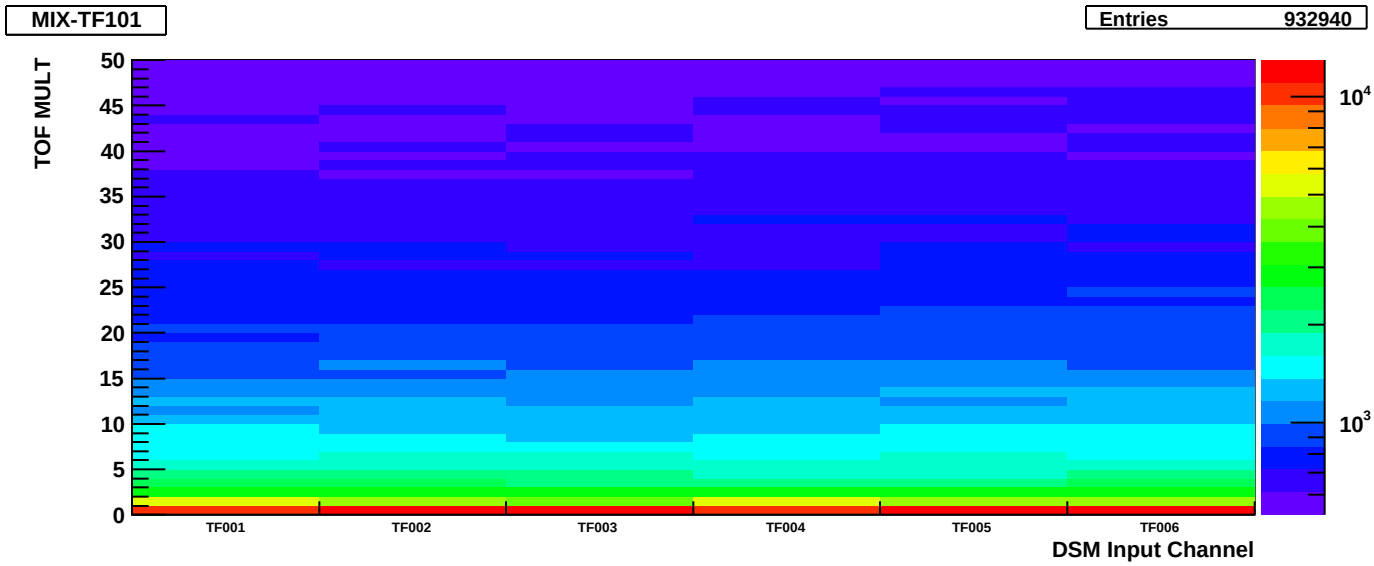

MIX-TF002
Entries 6530580
TOF MULT
TOF tray

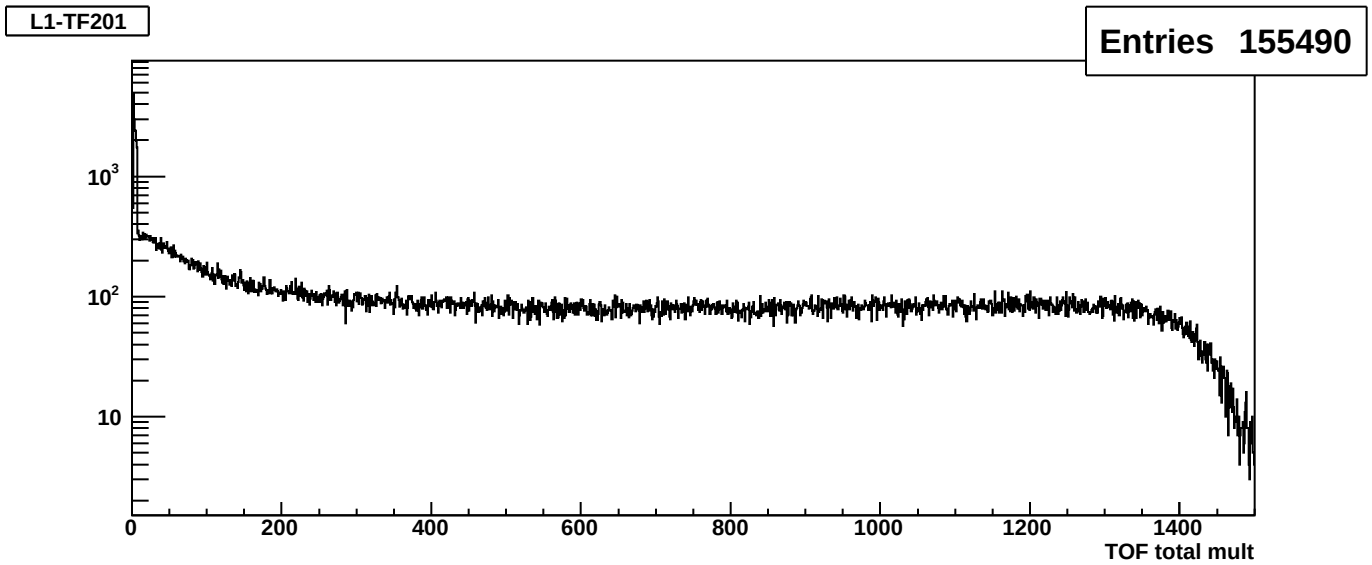

MIX-TF003
Entries 6530580
TOF MULT
TOF tray

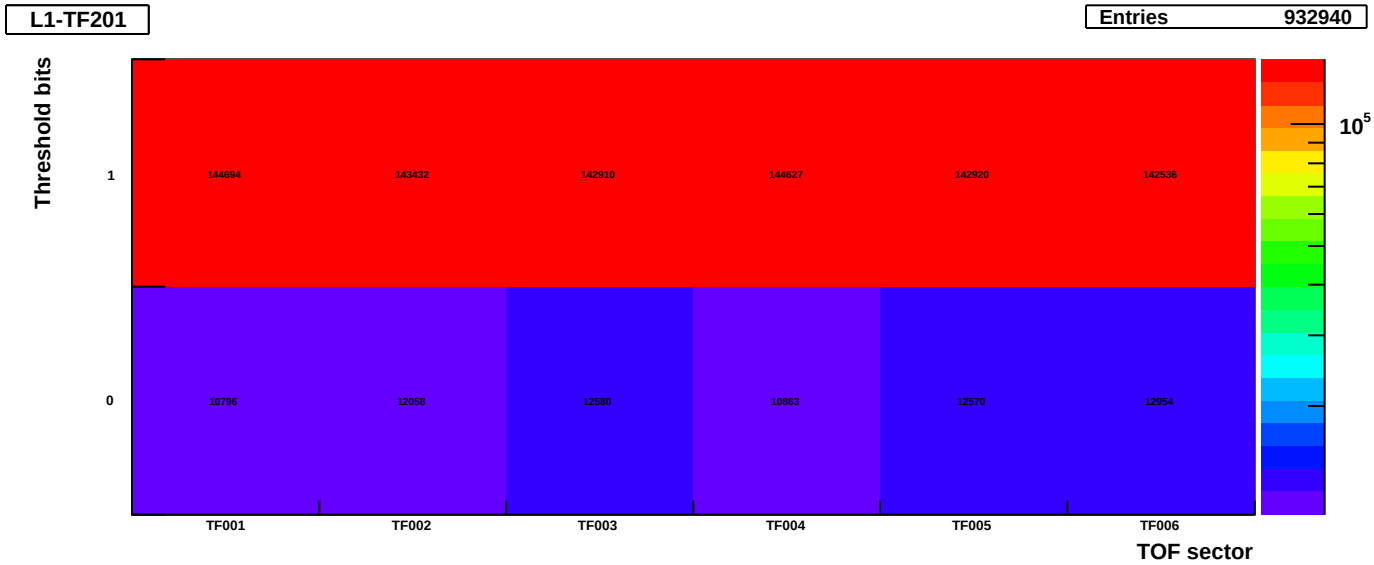

MIX-TF004
Entries 6530580
TOF MULT
TOF tray

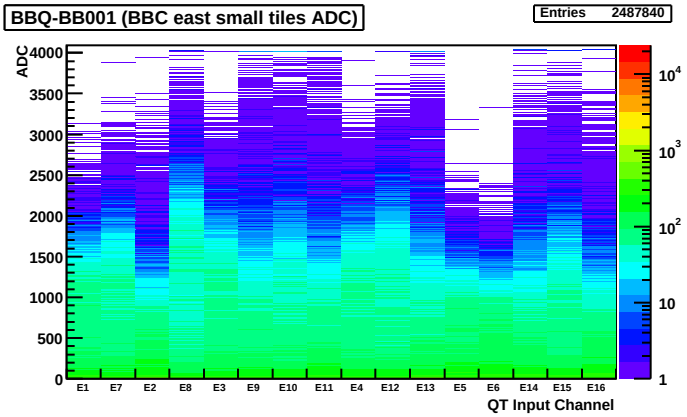

MIX-TF005
Entries 6530580
TOF MULT
TOF tray

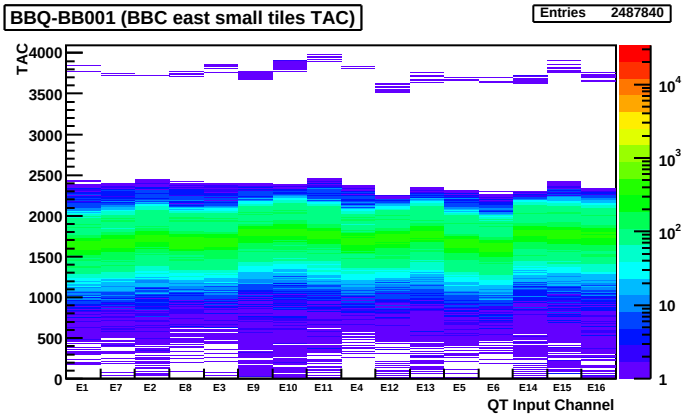

MIX-TF006
Entries 6530580
TOF MULT
TOF tray

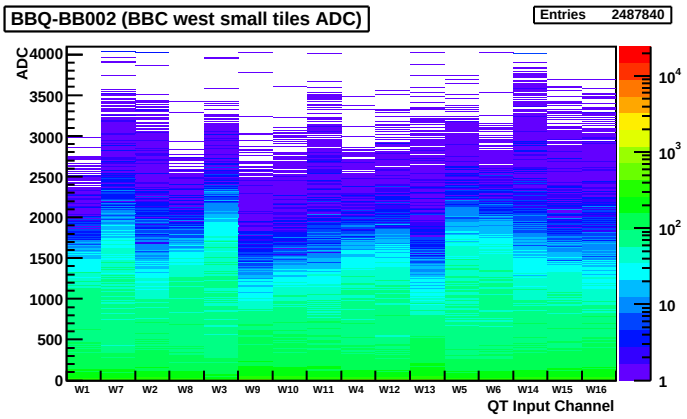

MIX-TF101
Entries 932940
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3

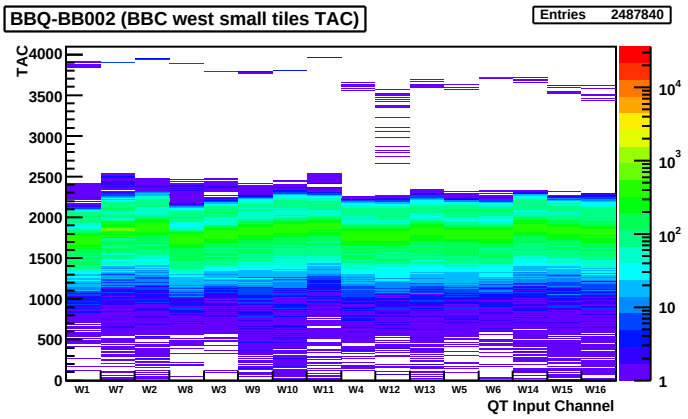

L1-TF201
Entries 155490
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

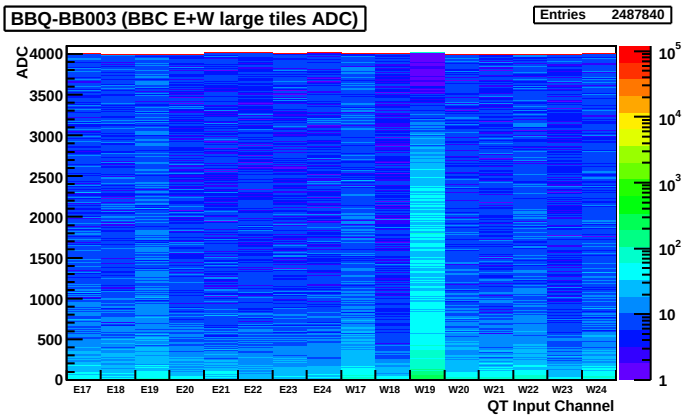

L1-TF201
Entries 932940
Threshold bits
1
0
144694
143432
142910
144627
142920
142536
10796
12058
12580
10863
12570
12954
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

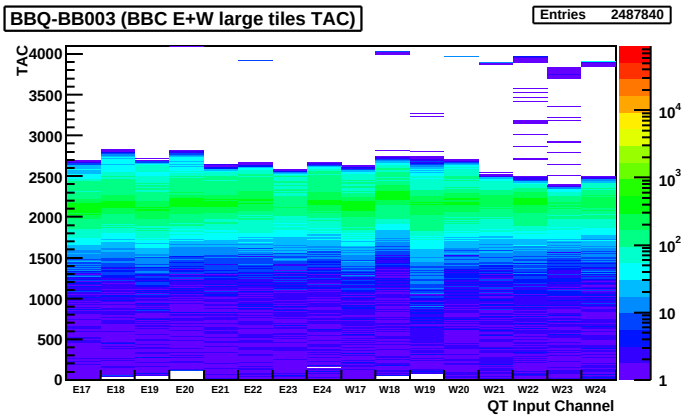

BBQ-BB001 (BBC east small tiles ADC)
Entries 2487840
ADC
QT Input Channel

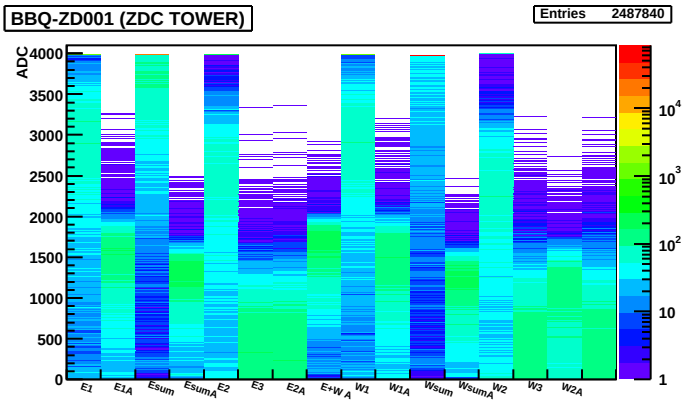

BBQ-BB001 (BBC east small tiles TAC)
Entries 2487840
TAC
QT Input Channel

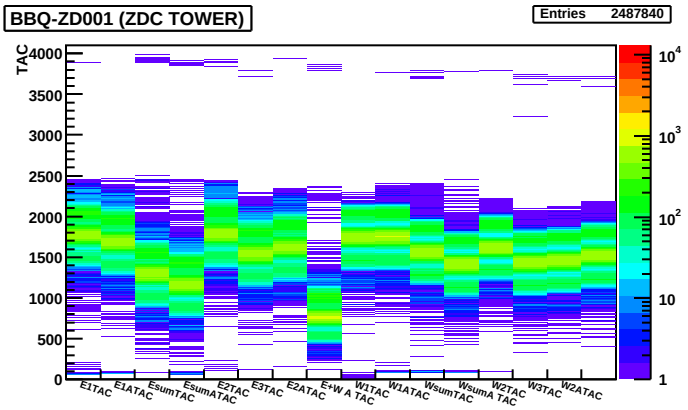

BBQ-BB002 (BBC west small tiles ADC)
Entries 2487840
ADC
QT Input Channel

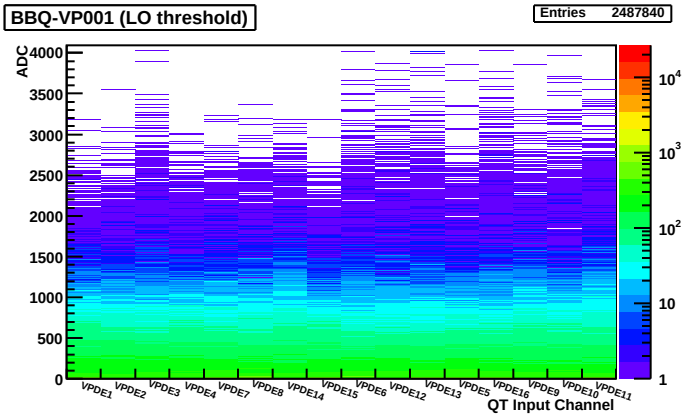

BBQ-BB002 (BBC west small tiles TAC)
Entries 2487840
TAC
QT Input Channel

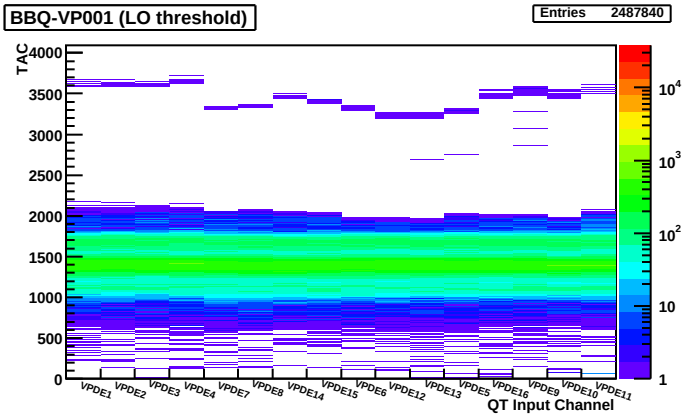

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 2487840
ADC
QT Input Channel

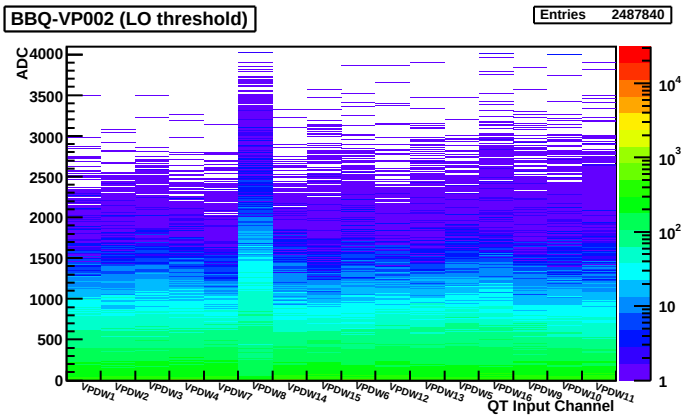

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 2487840
TAC
QT Input Channel

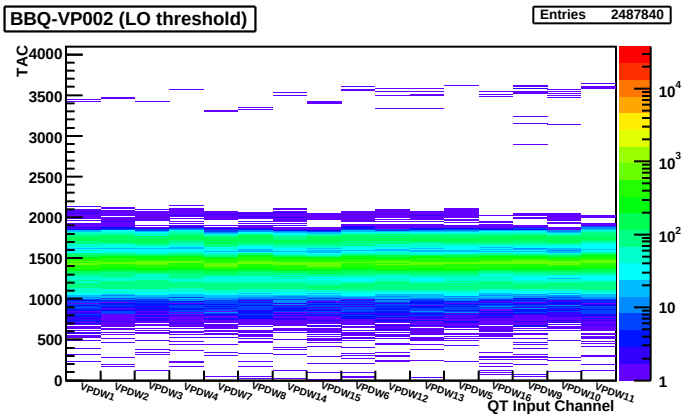

BBQ-ZD001 (ZDC TOWER)
Entries 2487840
ADC

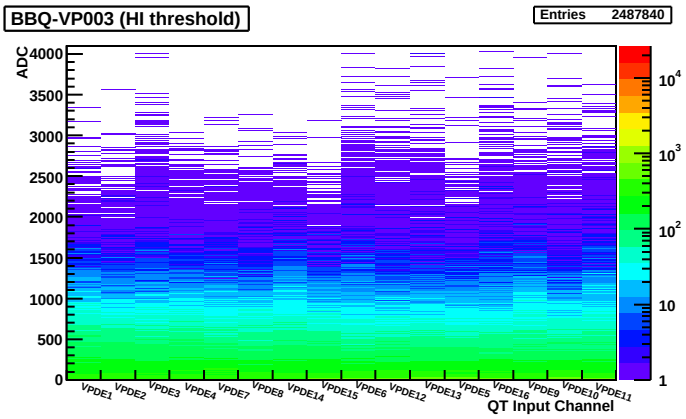

BBQ-ZD001 (ZDC TOWER)
Entries 2487840
TAC

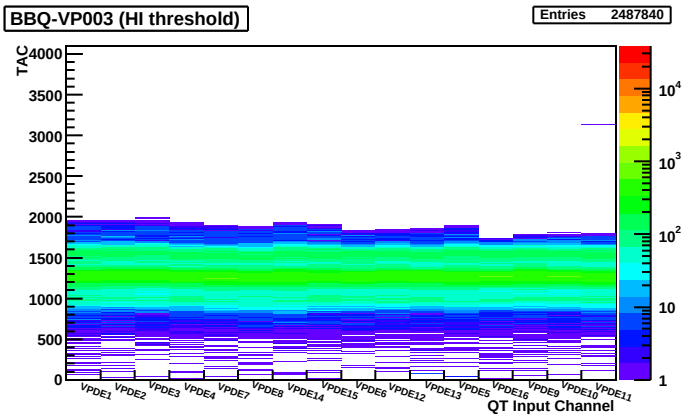

BBQ-VP001 (LO threshold)
Entries 2487840
ADC
QT Input Channel

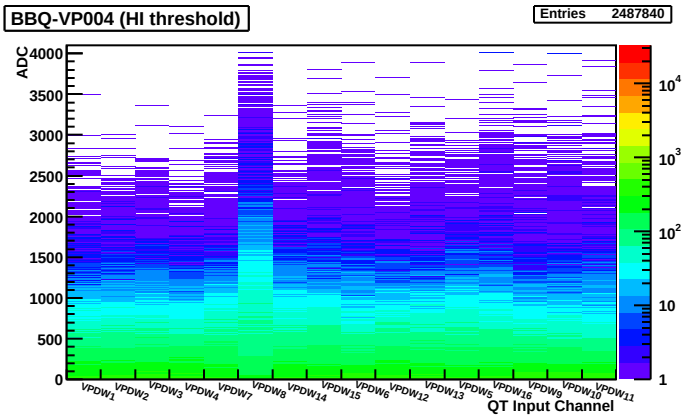

BBQ-VP001 (LO threshold)
Entries 2487840
TAC
QT Input Channel

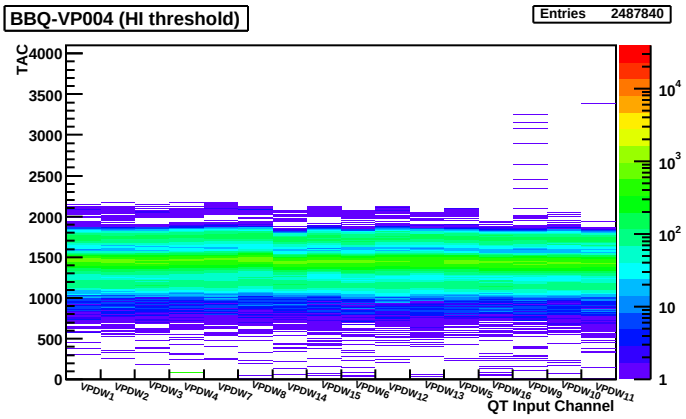

BBQ-VP002 (LO threshold)
Entries 2487840
ADC
QT Input Channel

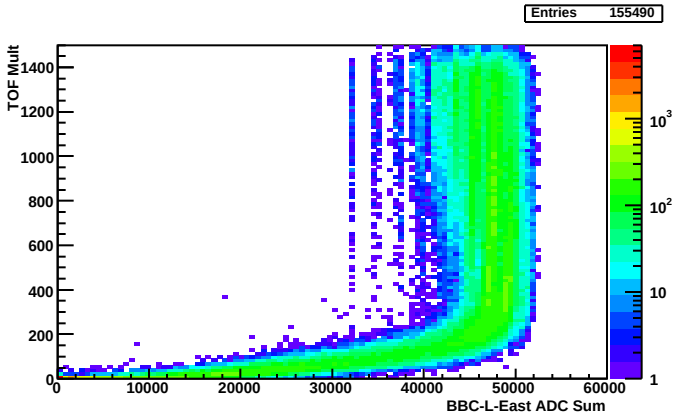

BBQ-VP002 (LO threshold)
Entries 2487840
TAC
QT Input Channel

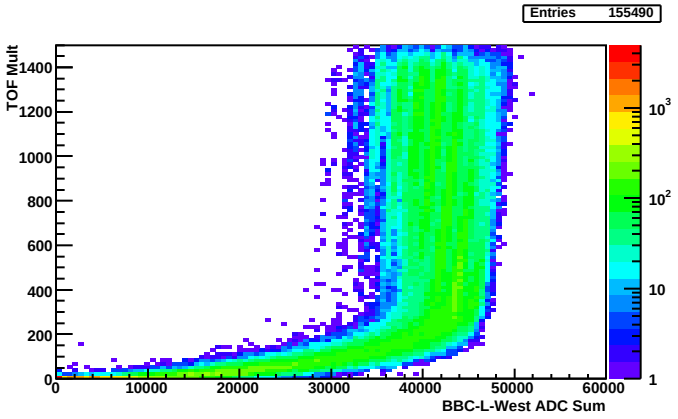

BBQ-VP003 (HI threshold)
Entries 2487840
ADC
QT Input Channel

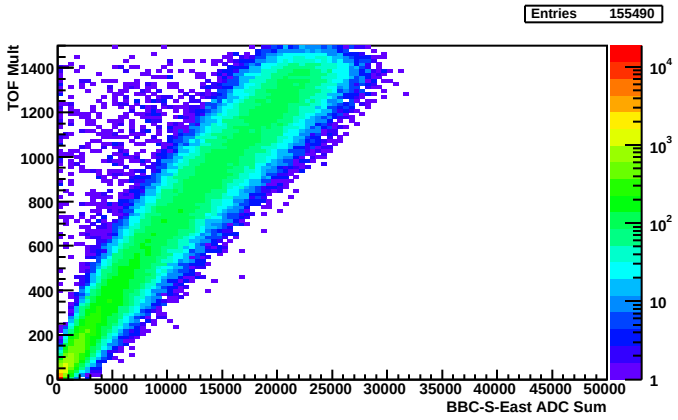

BBQ-VP003 (HI threshold)
Entries 2487840
TAC
QT Input Channel

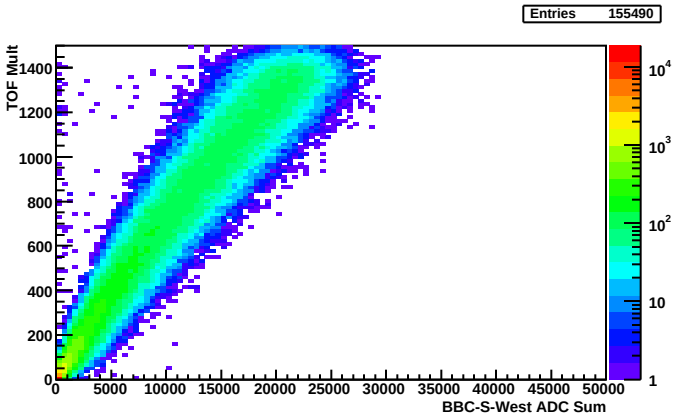

BBQ-VP004 (HI threshold)
Entries 2487840
ADC
QT Input Channel

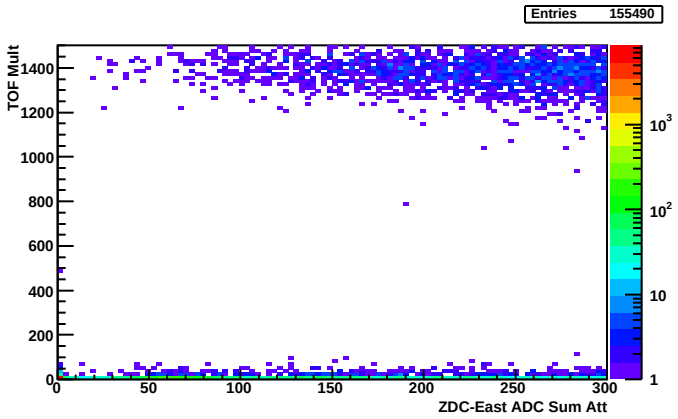

BBQ-VP004 (HI threshold)
Entries 2487840
TAC
QT Input Channel


Entries 155490
TOF Mult
BBC-L-East ADC Sum


Entries 155490
TOF Mult
BBC-L-West ADC Sum


Entries 155490
TOF Mult
BBC-S-East ADC Sum


Entries 155490
TOF Mult
BBC-S-West ADC Sum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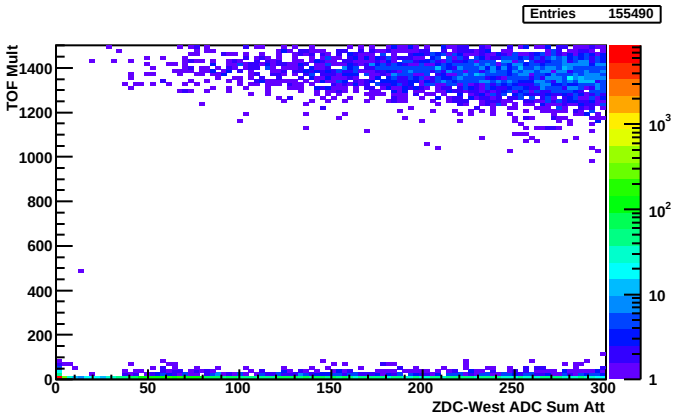
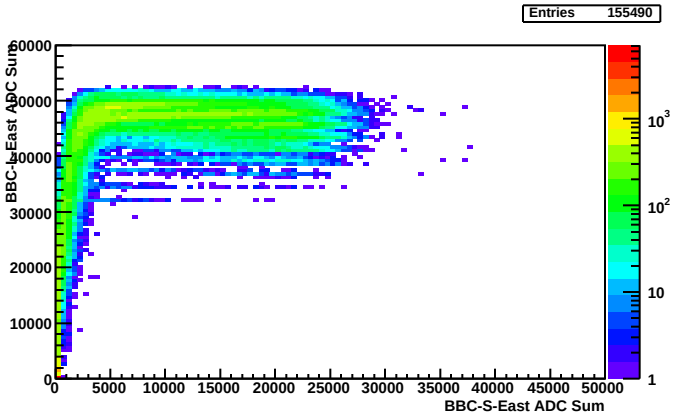
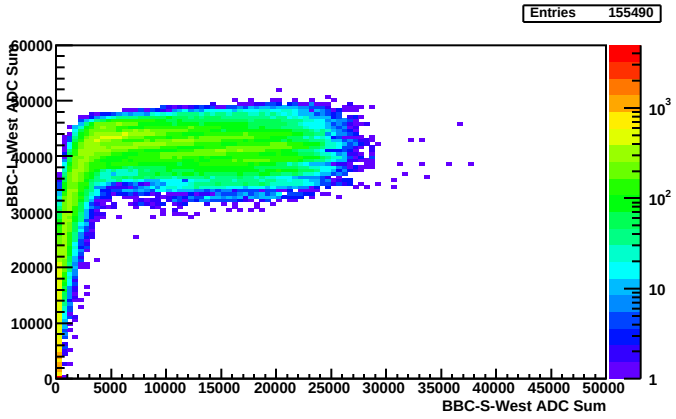
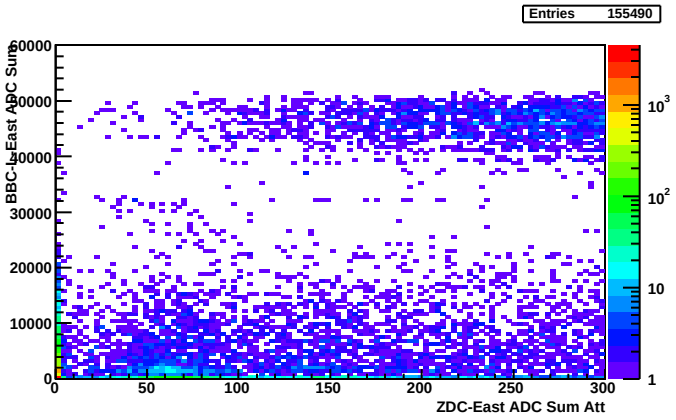
TOF Mult
ZDC-East ADC Sum Att


Entries 155490
TOF Mult
ZDC-West ADC Sum Att


Entries 155490
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 155490
BBC-L-West ADC Sum
BBC-S-West ADC Sum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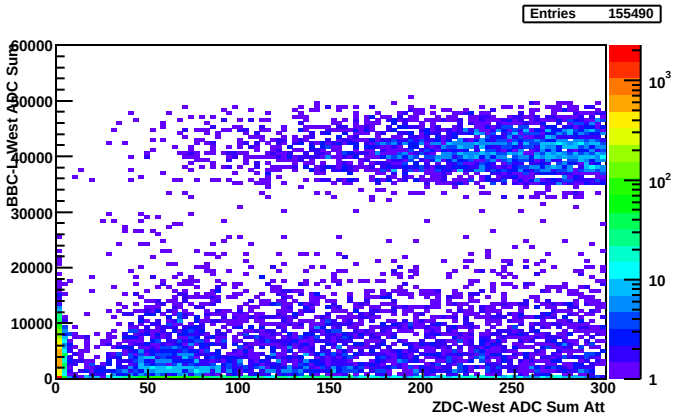
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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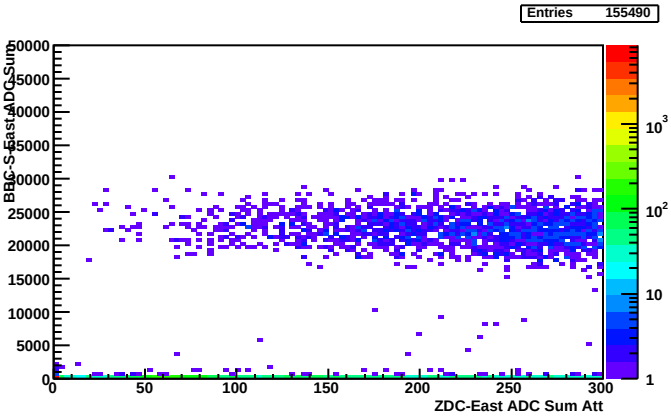
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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BBC-S-East ADC Sum
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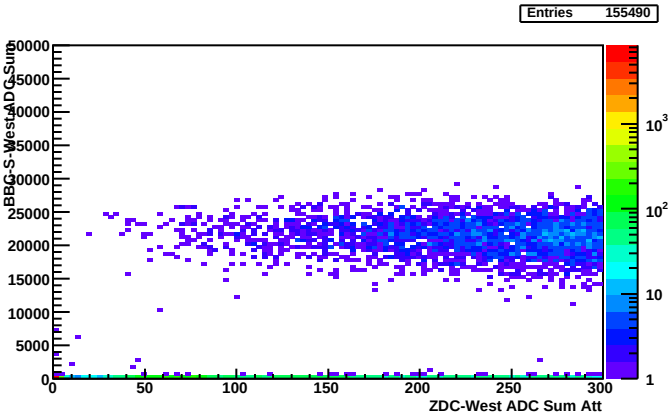
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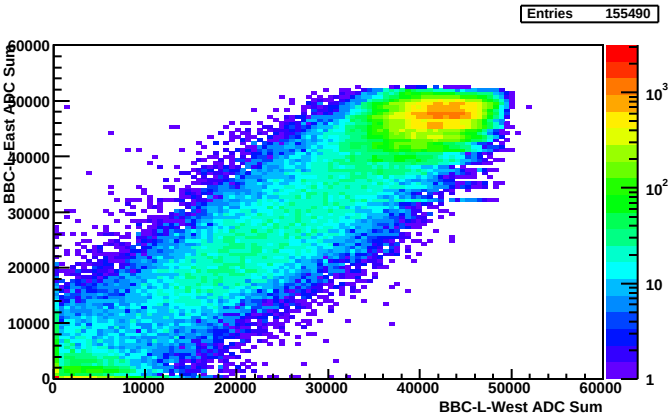
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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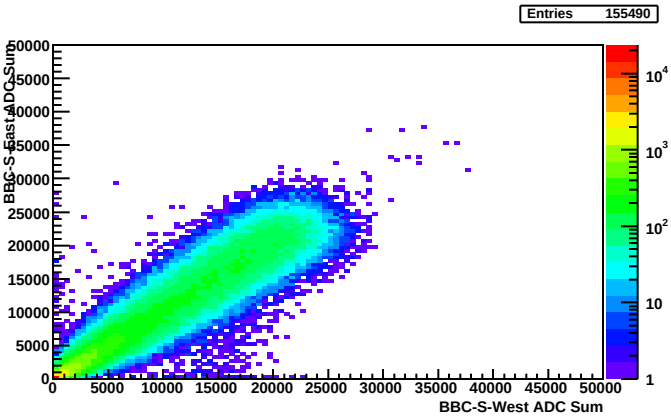
BBC-L-East ADC Sum
BBC-L-West ADC Sum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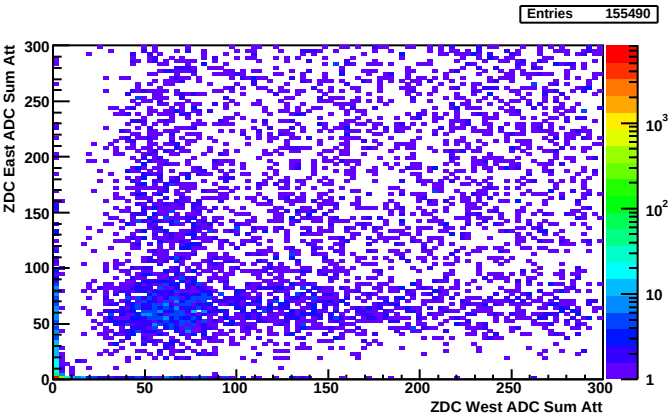
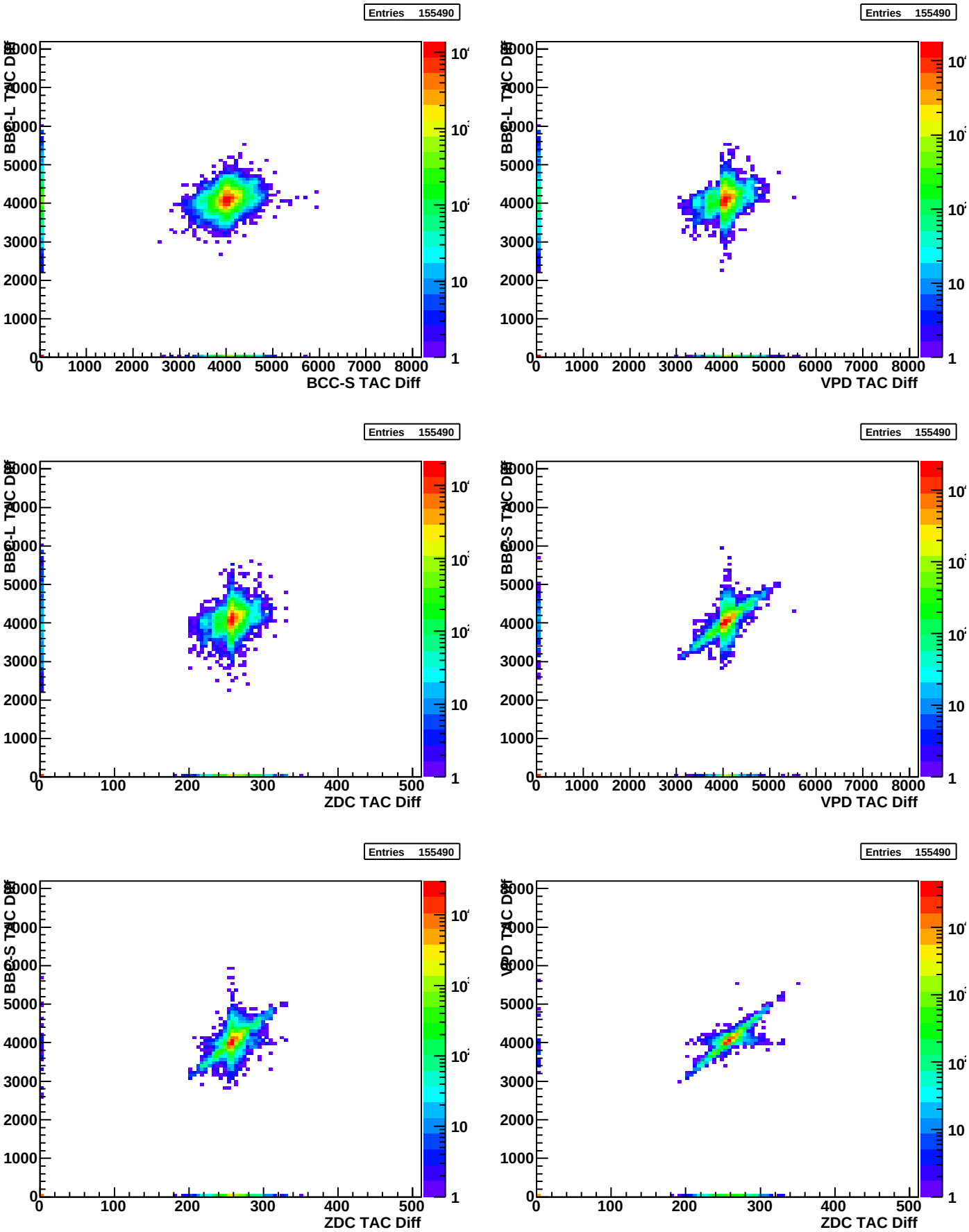
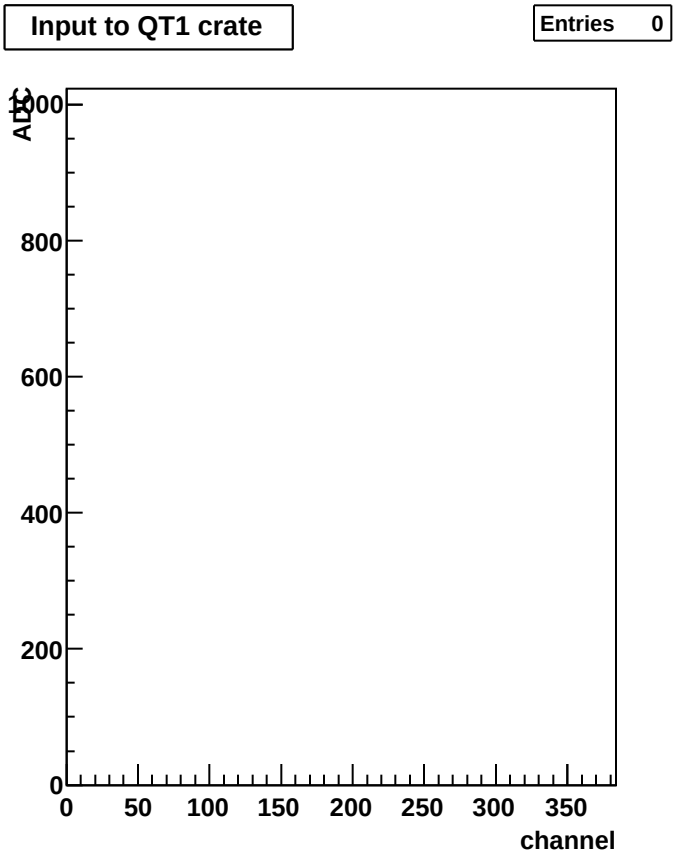
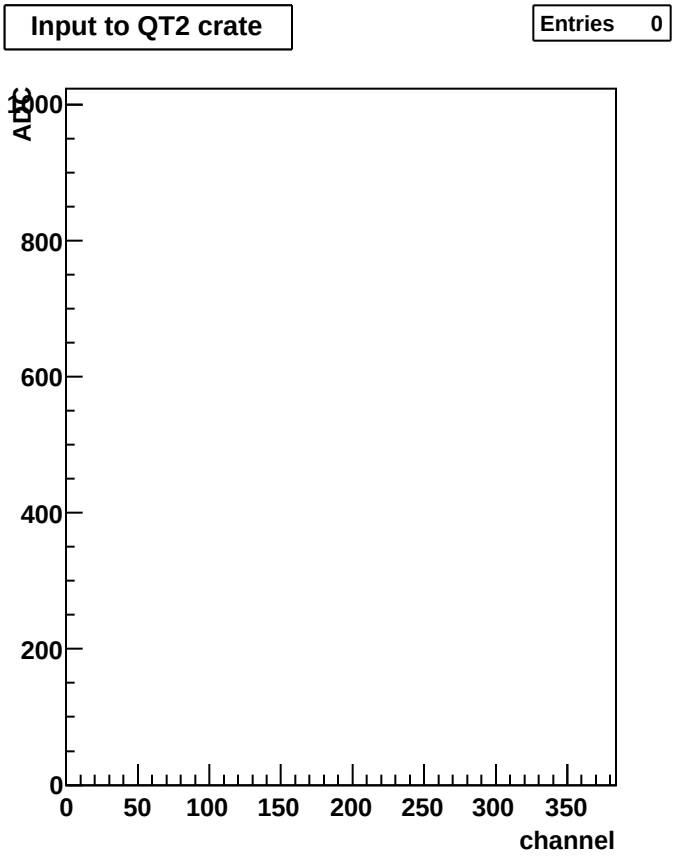
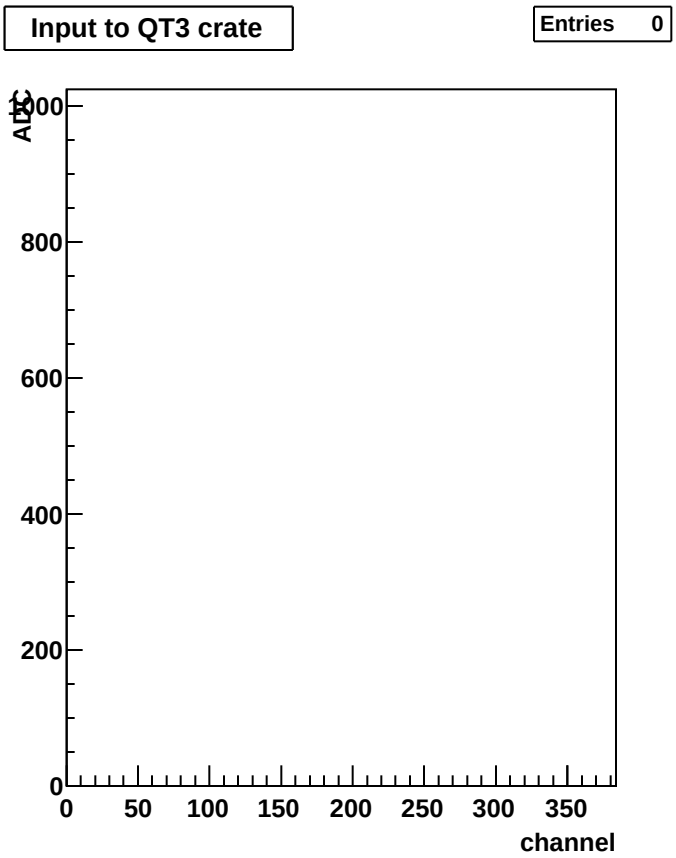
BBC-S-East ADC Sum
BBC-S-West ADC Sum

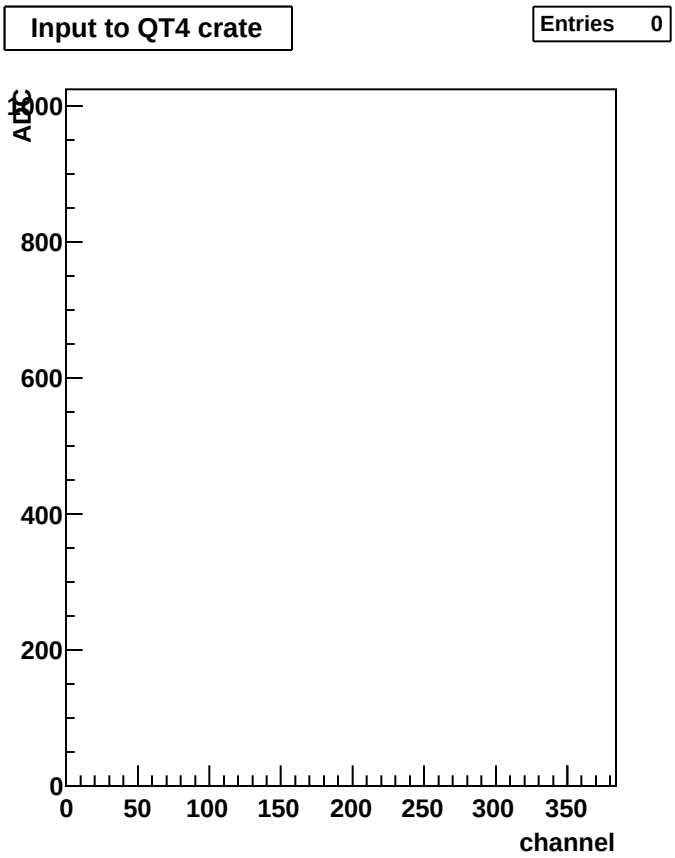

Entries 155490
ZDC East ADC Sum Att
ZDC West ADC Sum Att

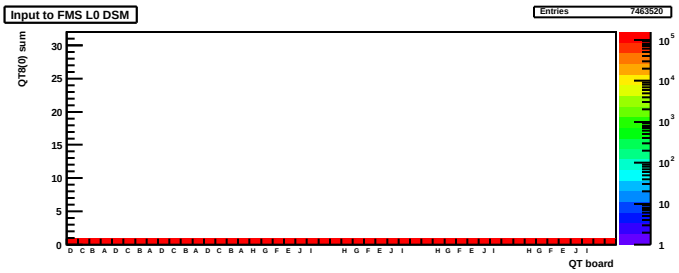

Entries 155490
BBC-L TAC Diff
BCC-S TAC Diff
Entries 155490
BBC-L TAC Diff
VPD TAC Diff
Entries 155490
BBC-L TAC Diff
ZDC TAC Diff
Entries 155490
BBC-S TAC Diff
VPD TAC Diff
Entries 155490
BBC-S TAC Diff
ZDC TAC Diff
Entries 155490
VPD TAC Diff
ZDC TAC Diff

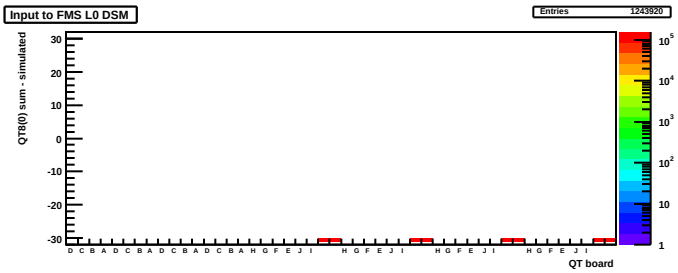

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

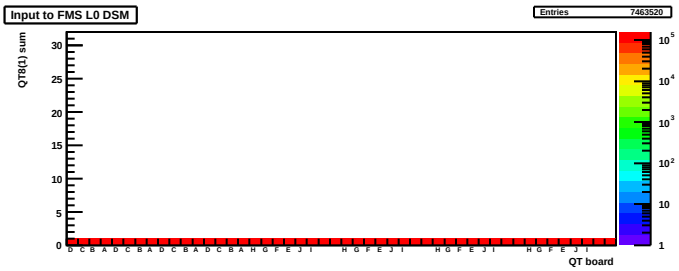

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

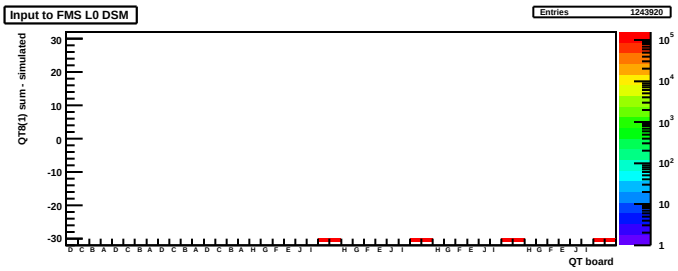

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

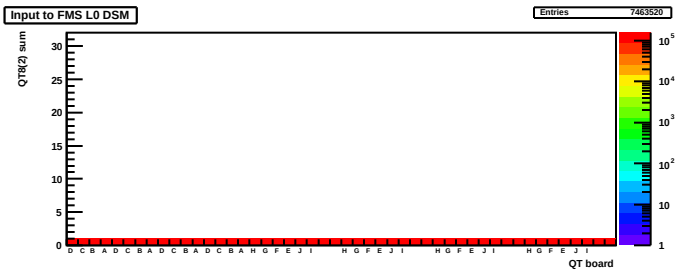

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

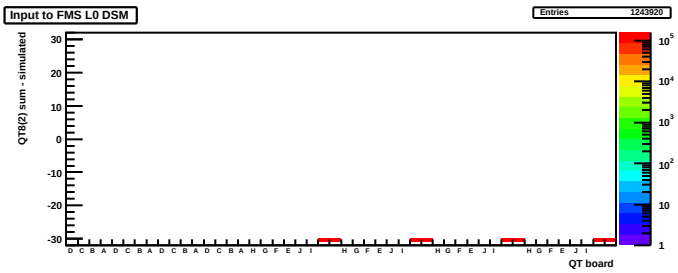

Input to FMS L0 DSM
Entries 7463520
QT8(0) sum
QT board

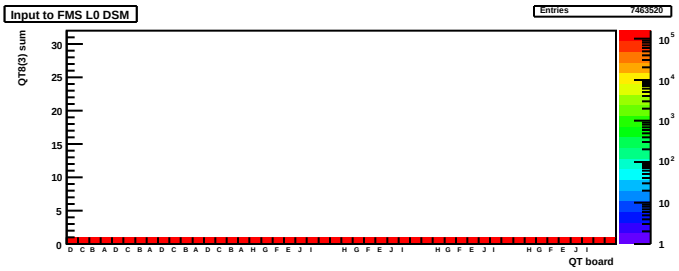

Input to FMS L0 DSM
Entries 1243920
QT8(0) sum - simulated
QT board

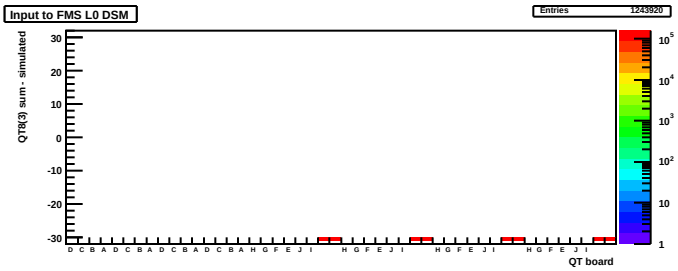

Input to FMS L0 DSM
Entries 7463520
QT8(1) sum
QT board

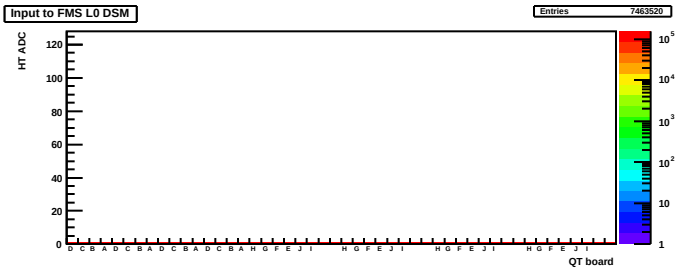

Input to FMS L0 DSM
Entries 1243920
QT8(1) sum - simulated
QT board

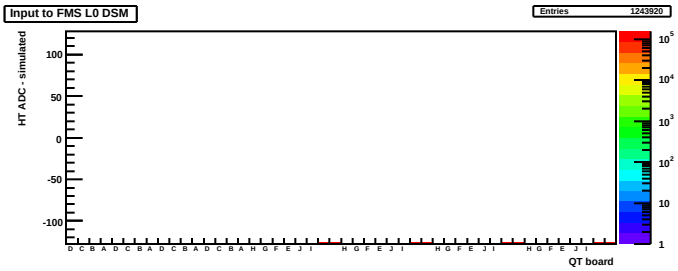

Input to FMS L0 DSM
Entries 7463520
QT8(2) sum
QT board

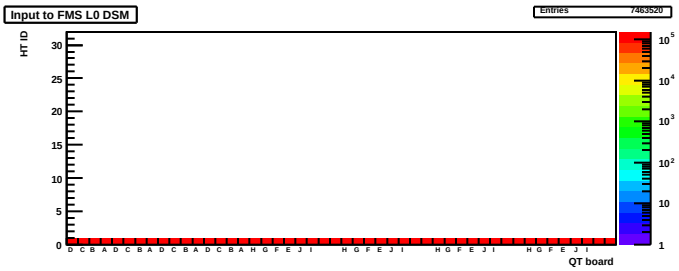

Input to FMS L0 DSM
Entries 1243920
QT8(2) sum - simulated
QT board

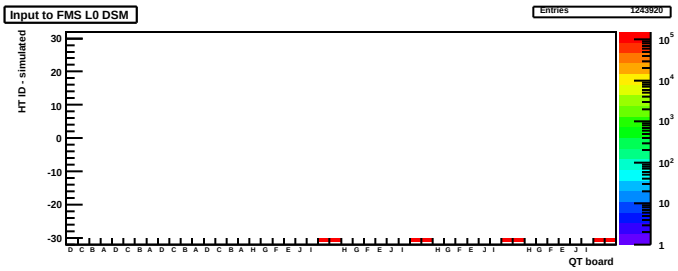

Input to FMS L0 DSM
Entries 7463520
QT8(3) sum
QT board

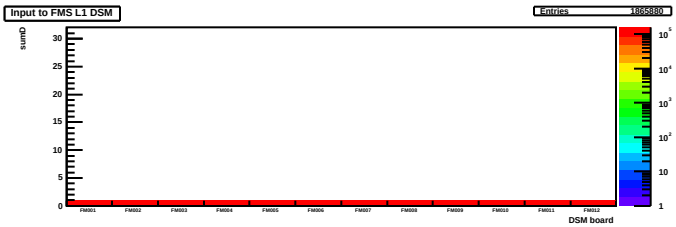

Input to FMS L0 DSM
Entries 1243920
QT8(3) sum - simulated
QT board

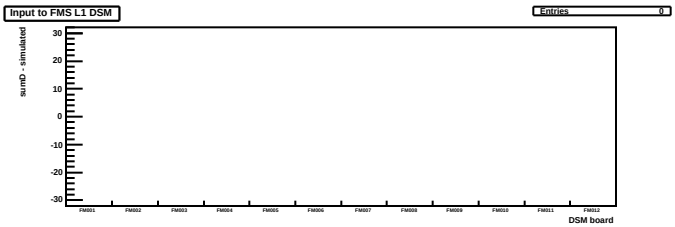

Input to FMS L0 DSM
Entries 7463520
HT ADC
QT board

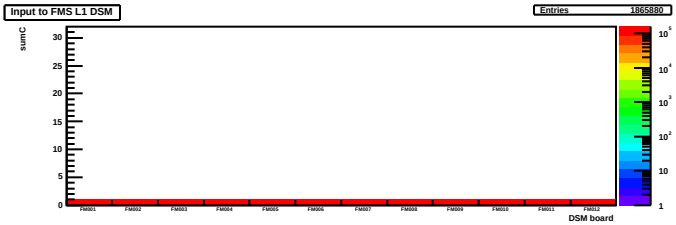

Input to FMS L0 DSM
Entries 1243920
HT ADC - simulated
QT board

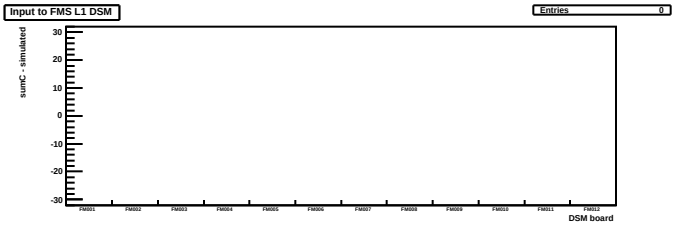

Input to FMS L0 DSM
Entries 7463520
HT ID
QT board

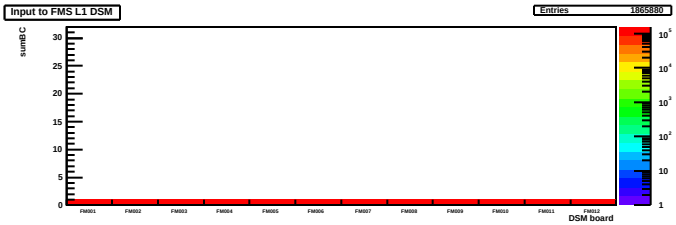

Input to FMS L0 DSM
Entries 1243920
HT ID - simulated
QT board

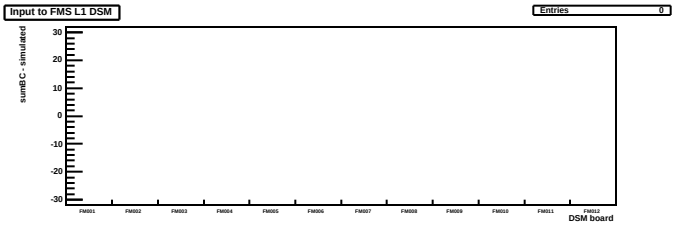

Input to FMS L1 DSM
Entries 1865880
sumD
DSM board

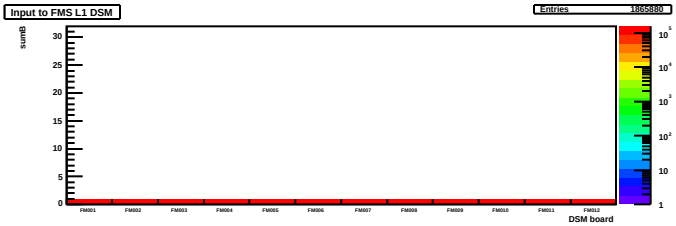

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

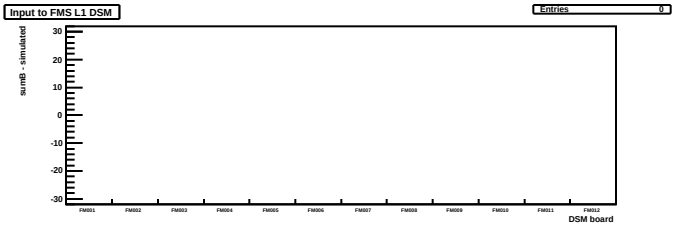

Input to FMS L1 DSM
Entries 1865880
sumC
DSM board

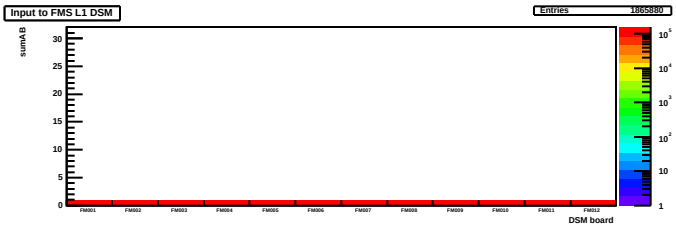

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

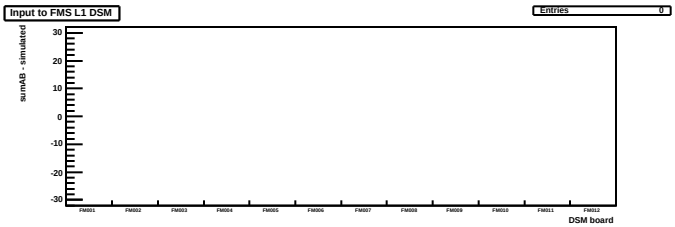

Input to FMS L1 DSM
Entries 1865880
sumBC
DSM board

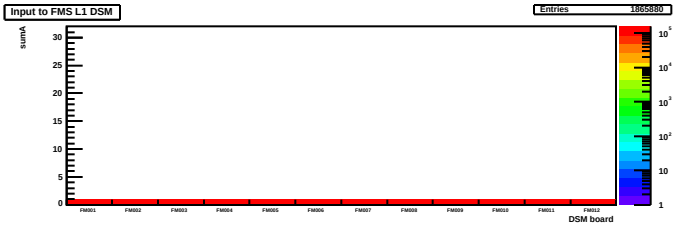

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

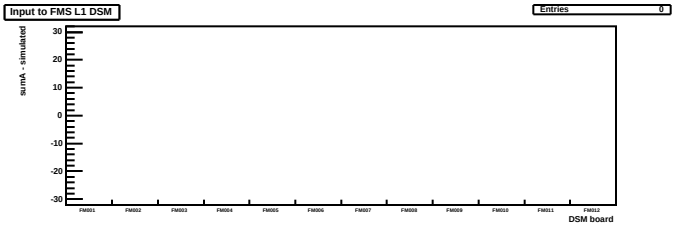

Input to FMS L1 DSM
Entries 1865880
sumB
DSM board

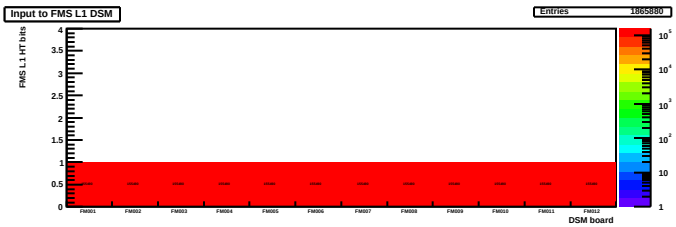

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

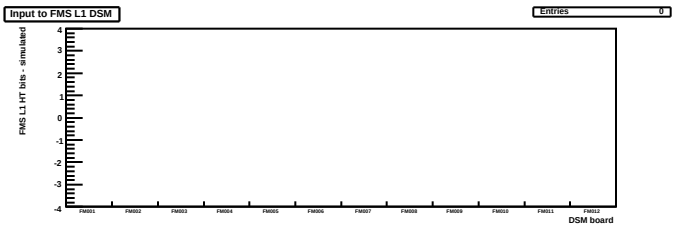

Input to FMS L1 DSM
Entries 1865880
sumAB
DSM board

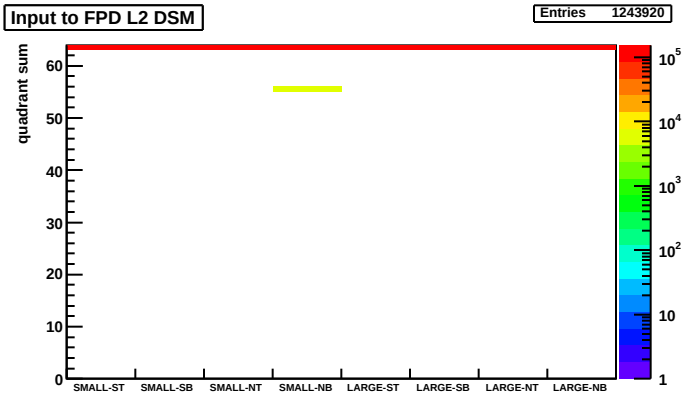

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

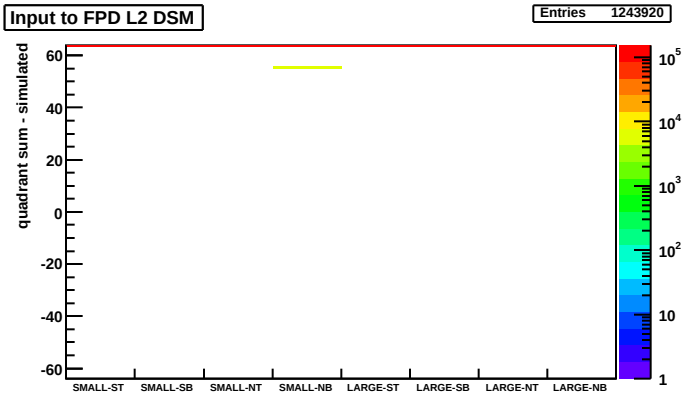

Input to FMS L1 DSM
Entries 1865880
sumA
DSM board

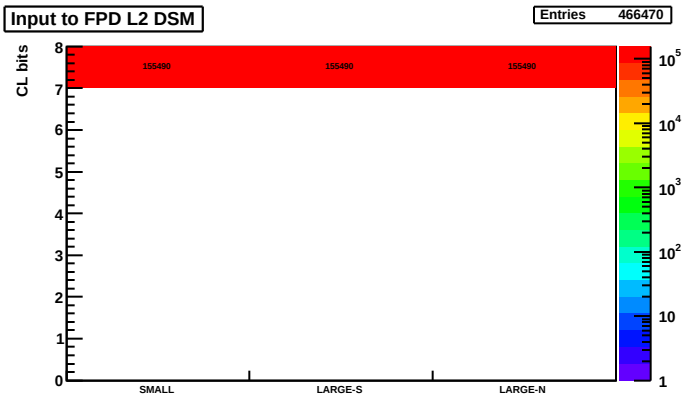

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

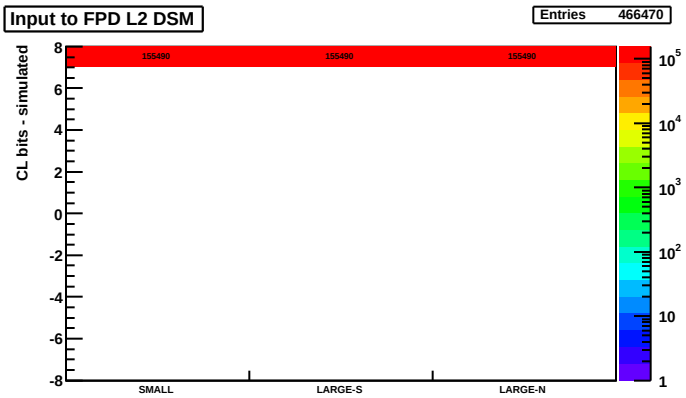

Input to FMS L1 DSM
Entries 1865880
FMS L1 HT bits
DSM board

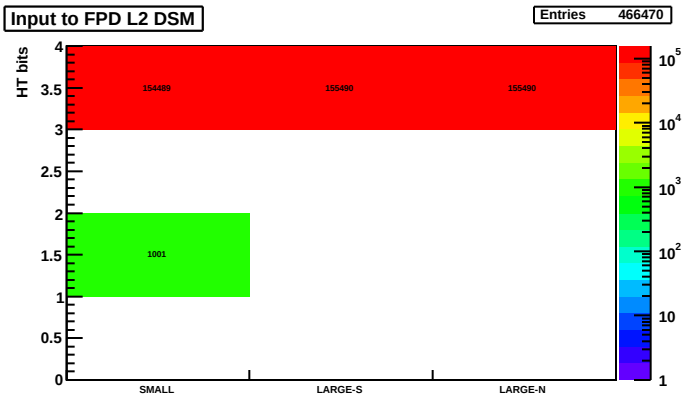

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

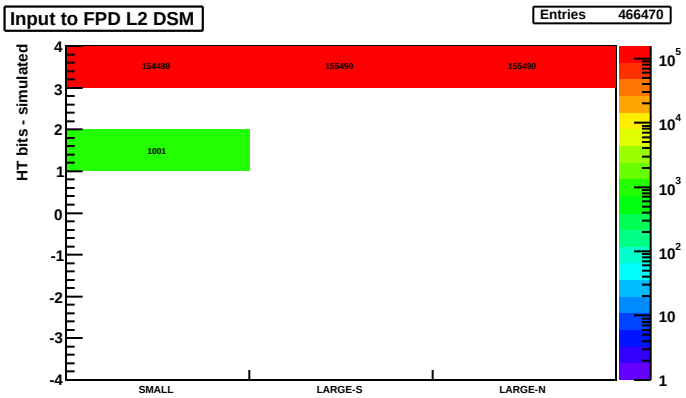

Input to FPD L2 DSM
Entries 1243920
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

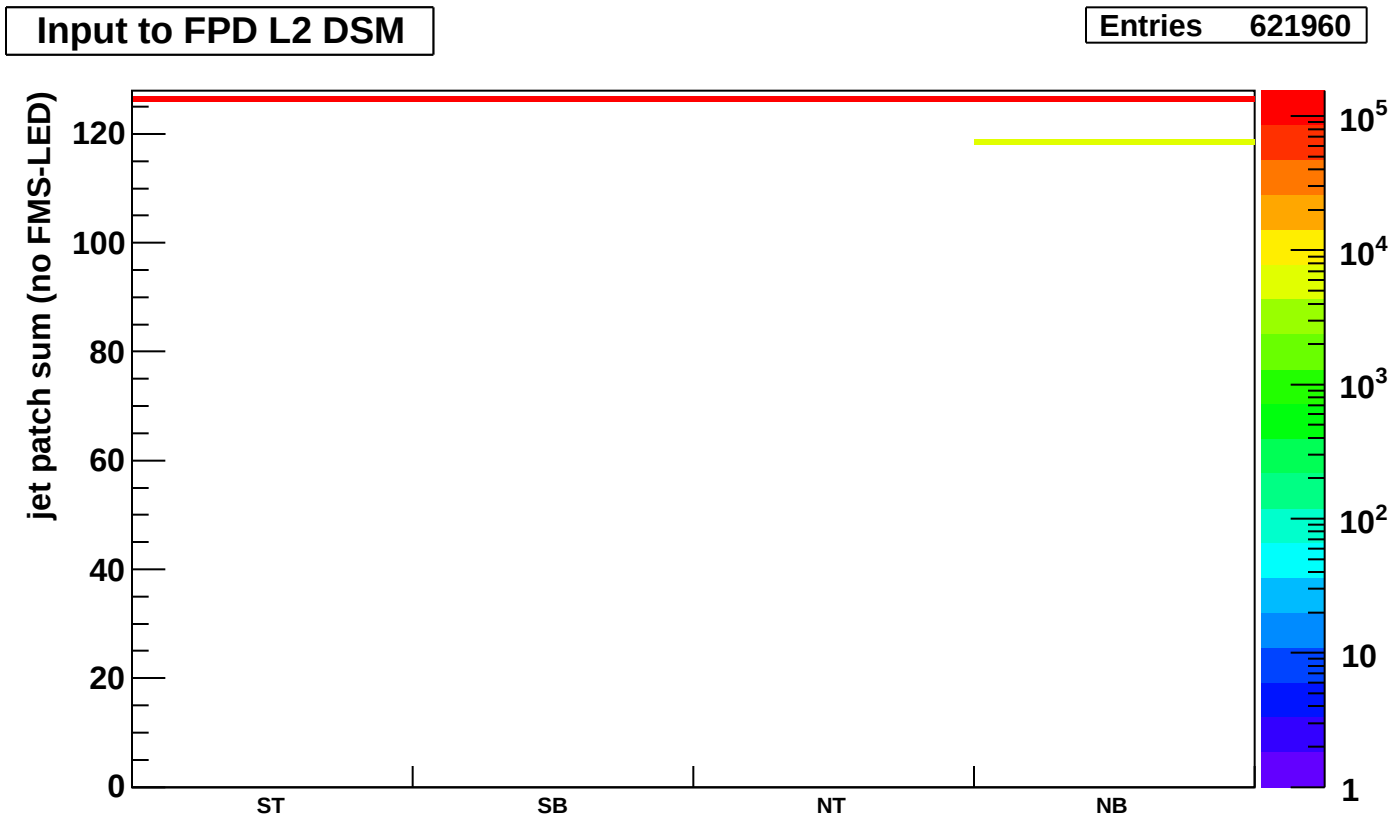

Input to FPD L2 DSM
Entries 1243920
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

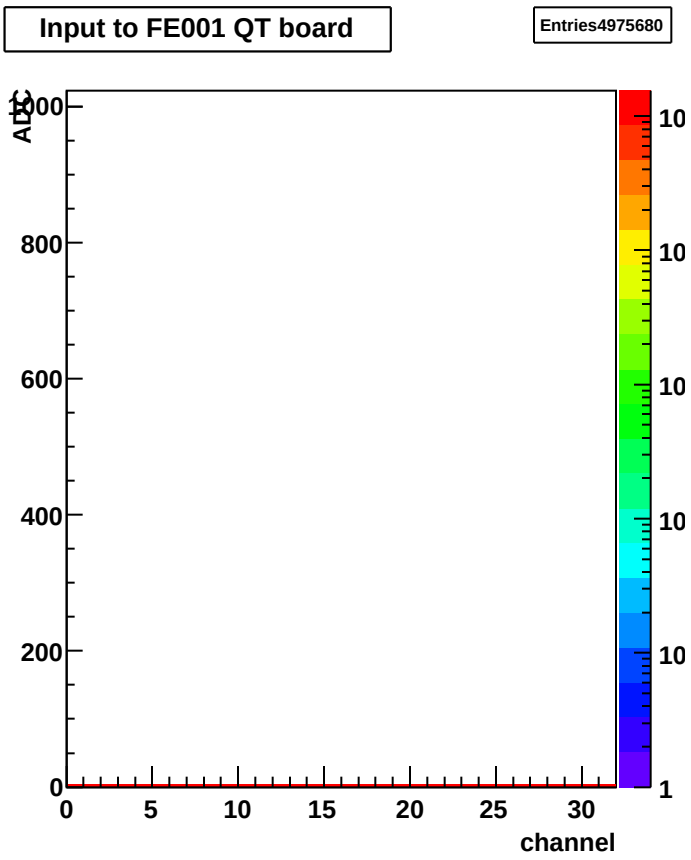

Input to FPD L2 DSM
Entries 466470
CL bits
155490
155490
155490
SMALL
LARGE-S
LARGE-N

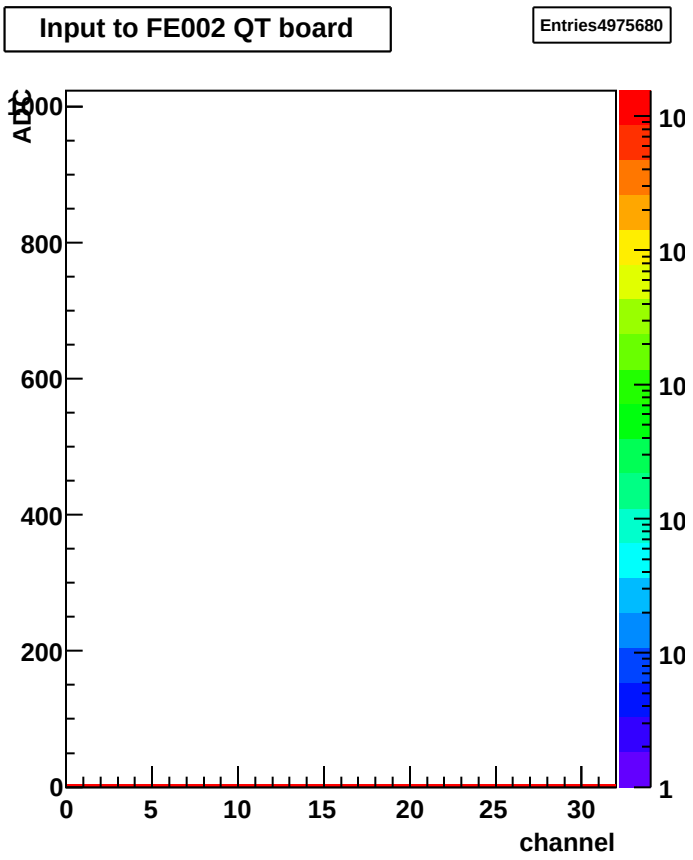

Input to FPD L2 DSM
Entries 466470
CL bits - simulated
155490
155490
155490
SMALL
LARGE-S
LARGE-N

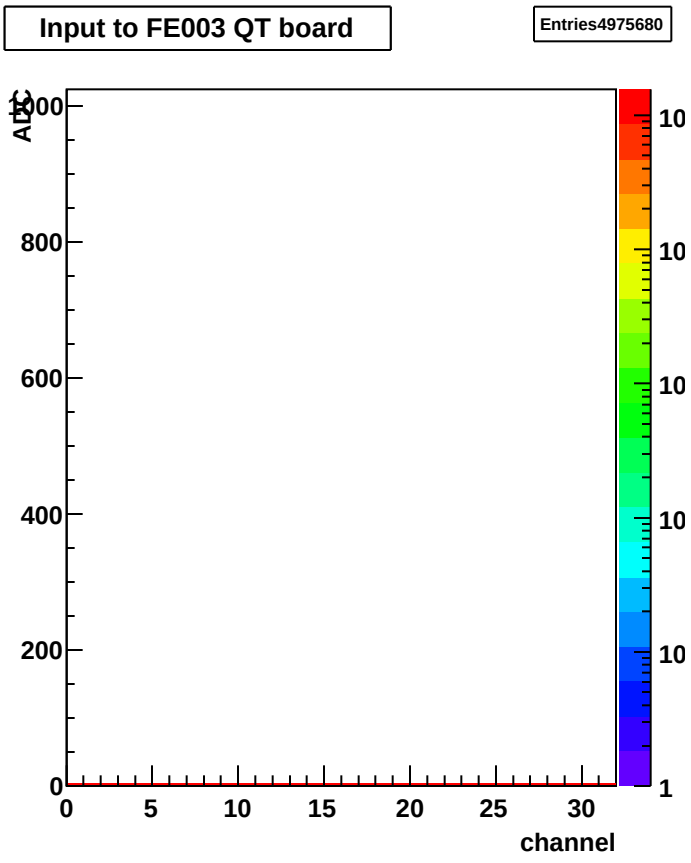

Input to FPD L2 DSM
Entries 466470
HT bits
154489
155490
155490
1001
SMALL
LARGE-S
LARGE-N

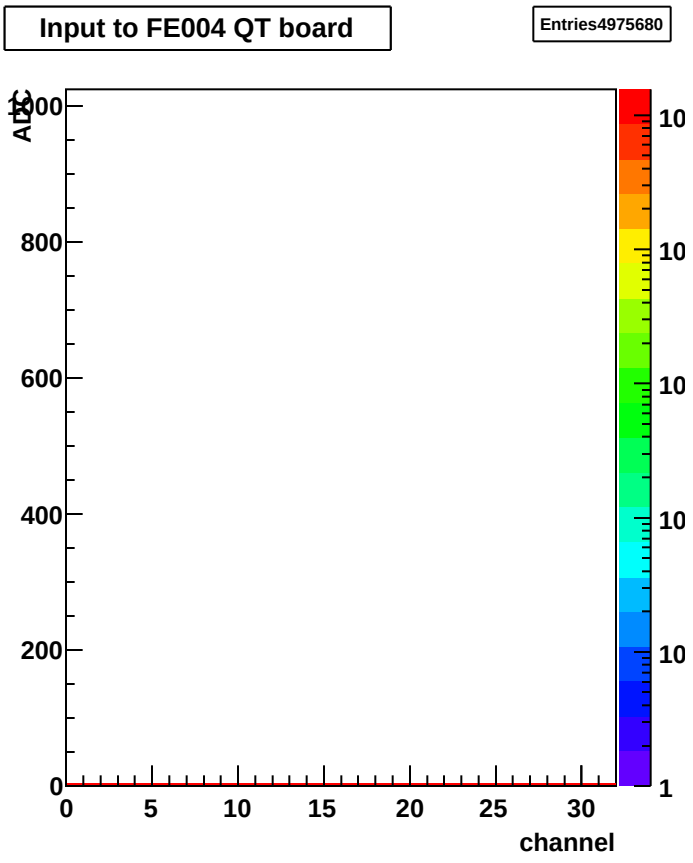

Input to FPD L2 DSM
Entries 466470
HT bits - simulated
154489
155490
155490
1001
SMALL
LARGE-S
LARGE-N

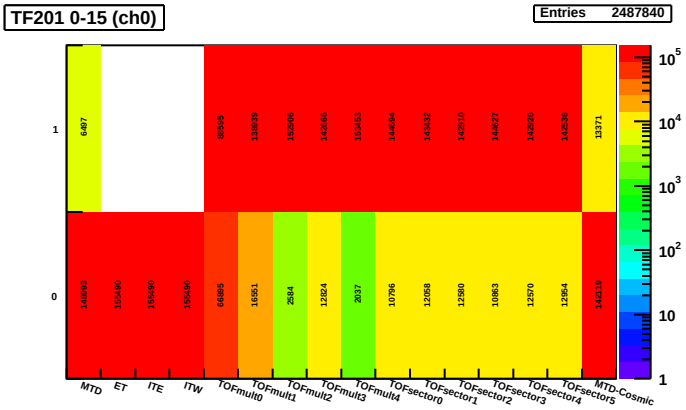

Input to FPD L2 DSM
Entries 621960
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

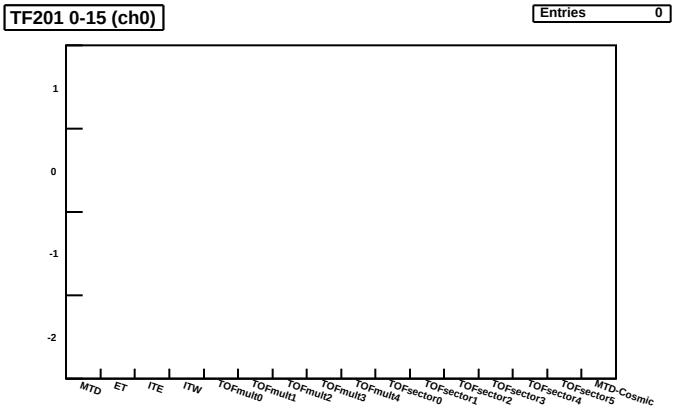

Input to FE001 QT board
Entries4975680
ADC
channel

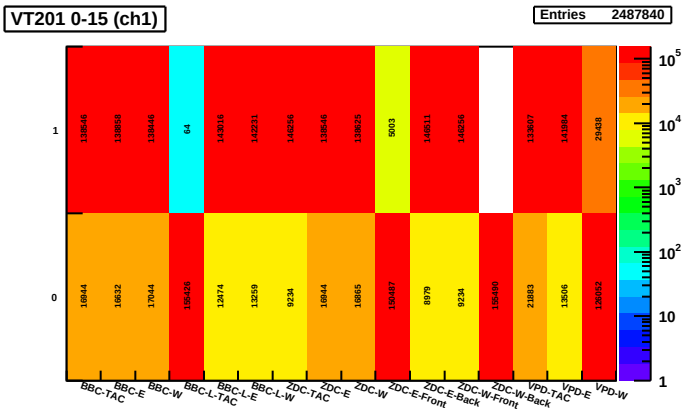

Input to FE002 QT board
Entries4975680
ADC
channel

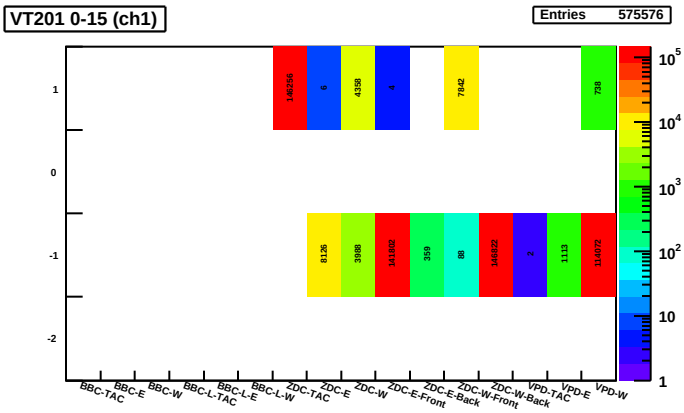

Input to FE003 QT board
Entries4975680
ADC
channel

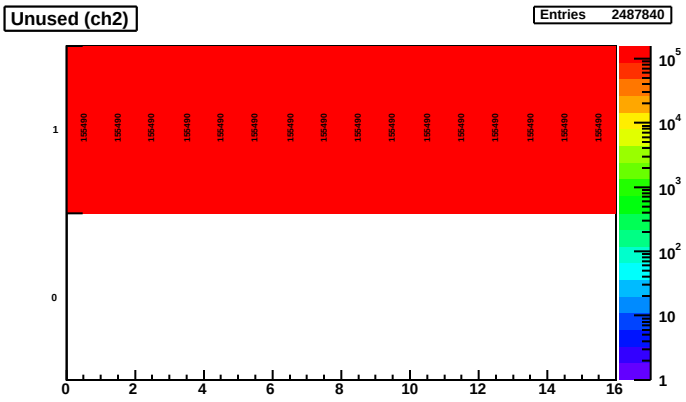

Input to FE004 QT board
Entries4975680
ADC
channel

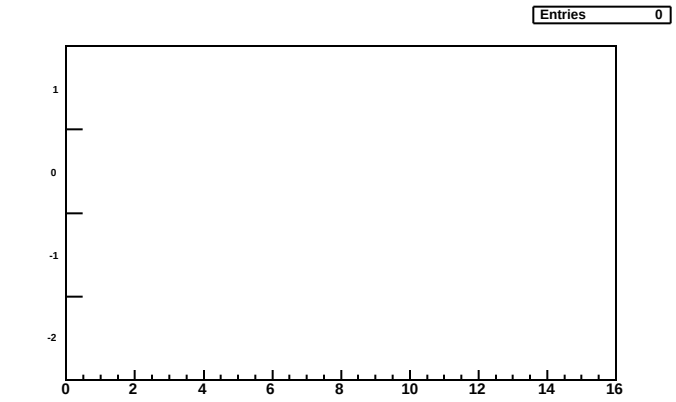

TF201 0-15 (ch0)
Entries 2487840
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

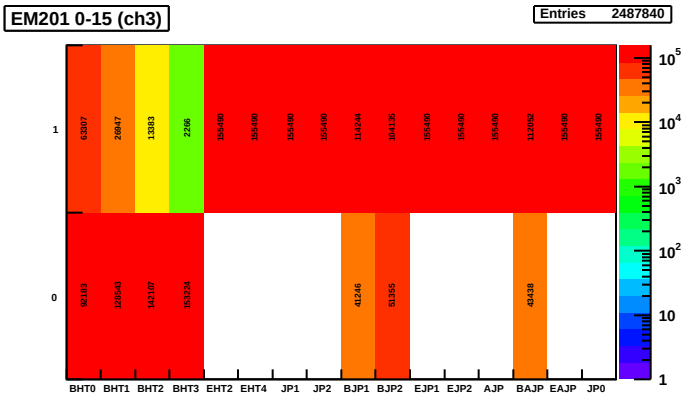

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

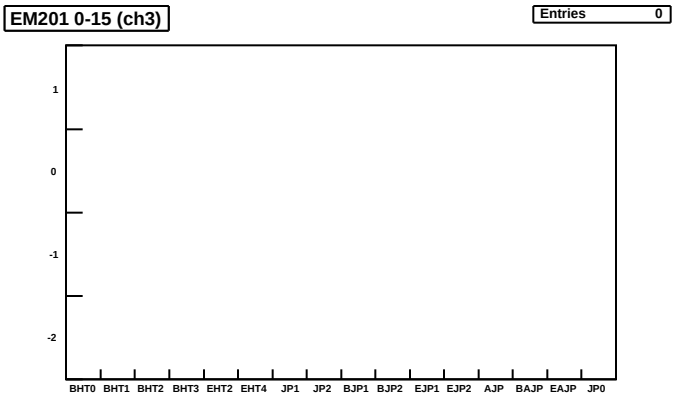

VT201 0-15 (ch1)
Entries 2487840
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 575576
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

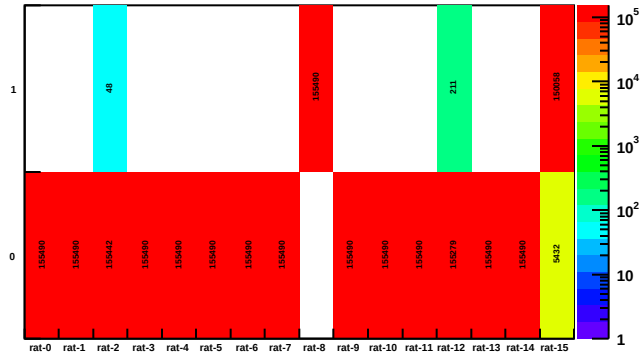

Unused (ch2)
Entries 2487840

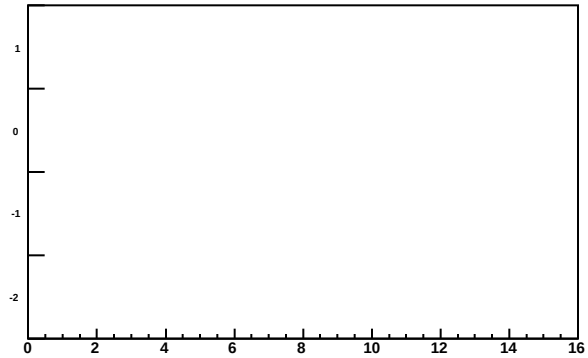

Entries 0


EM201 0-15 (ch3)
Entries 2487840
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

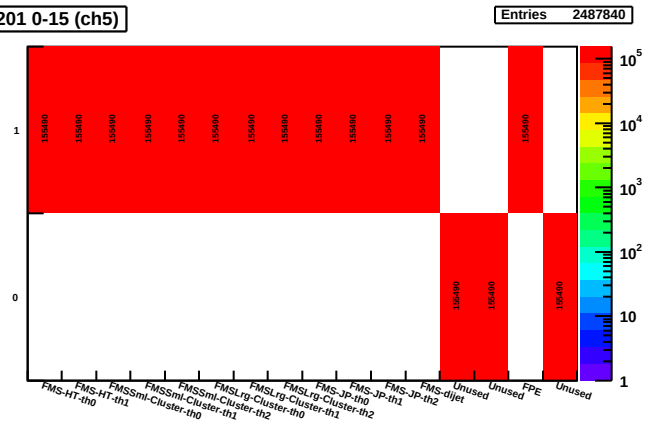

EM201 0-15 (ch3)
Entries 0
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

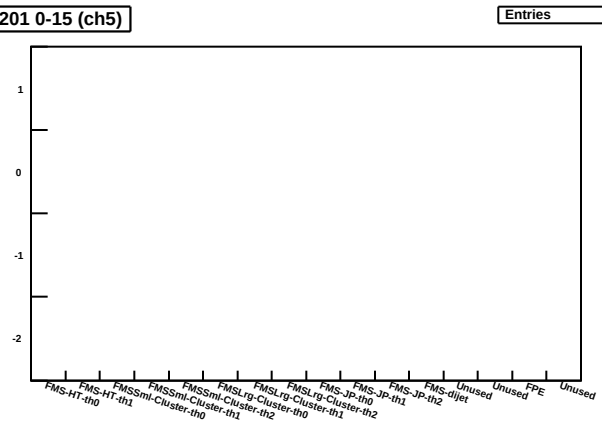




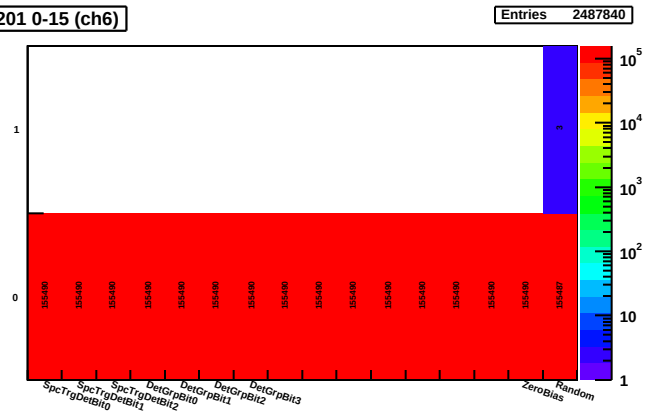
FP201 0-15 (ch5)

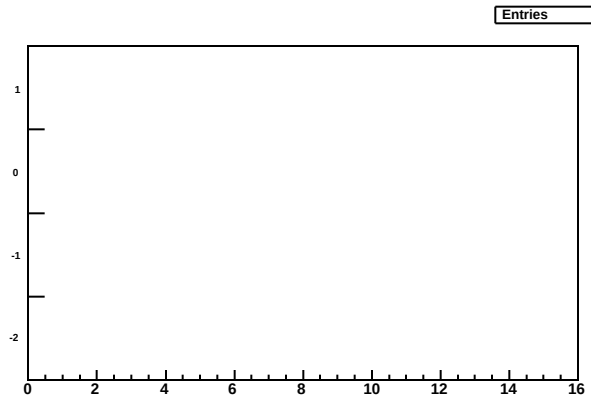
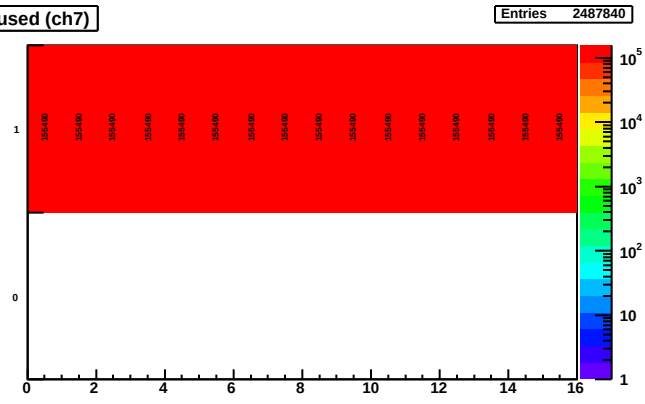
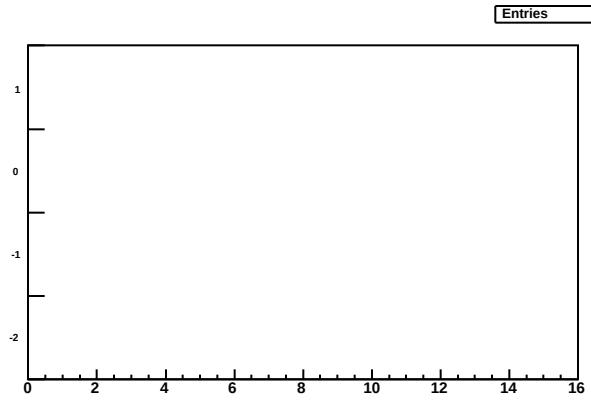


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)