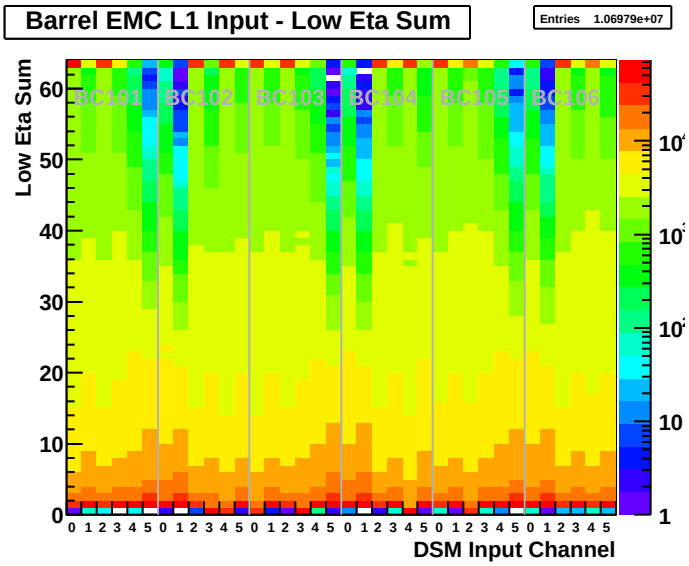
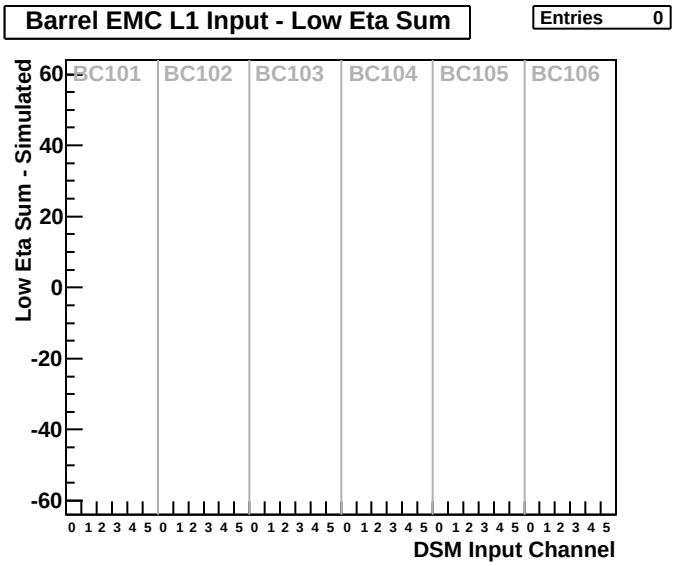
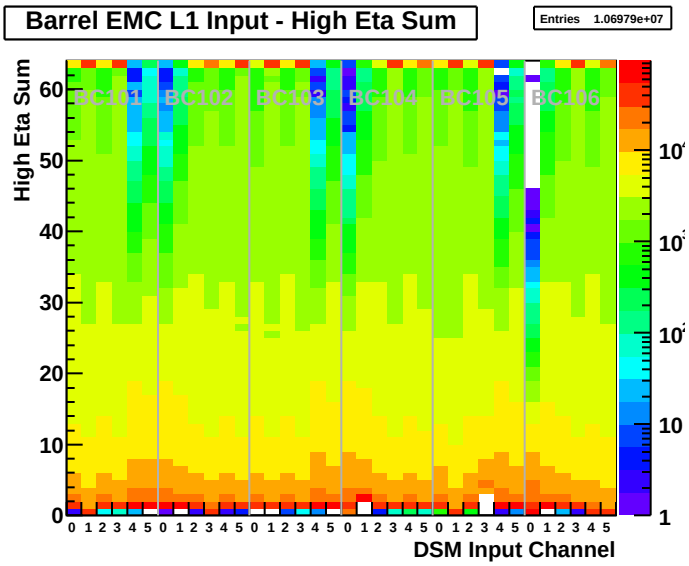
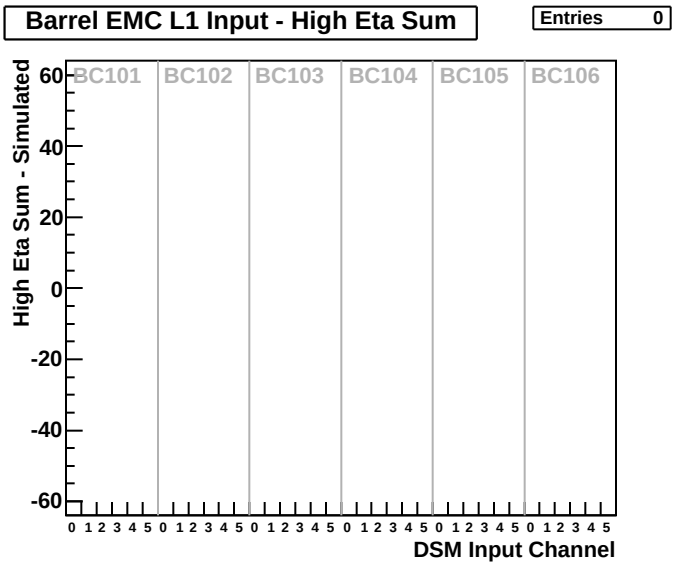
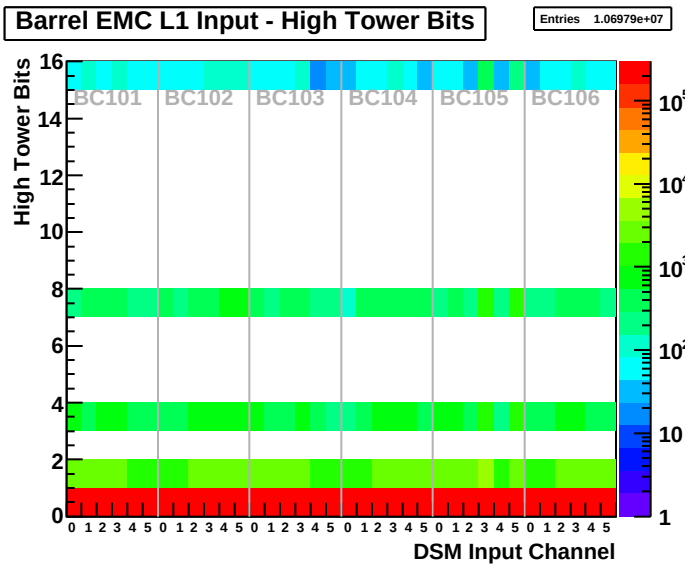
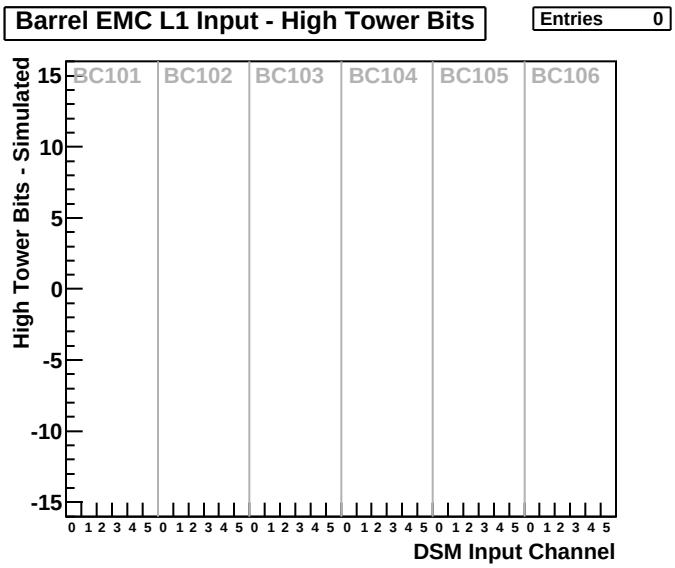

Barrel EMC L1 Input - Low Eta Sum
Entries 1.06979e+07
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

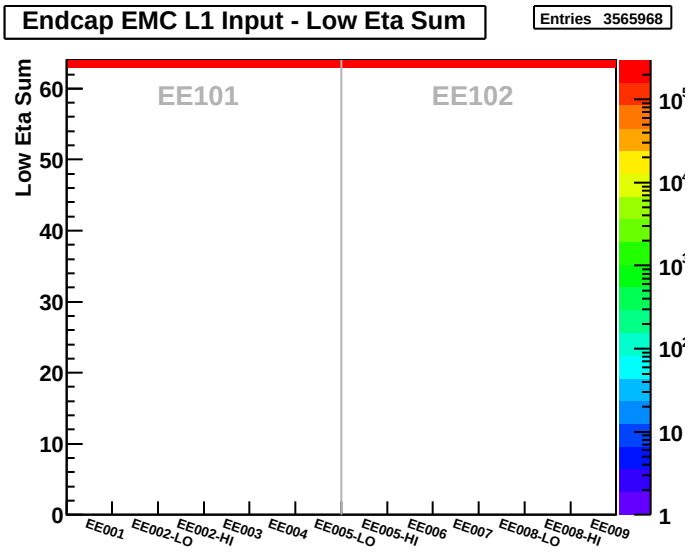

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

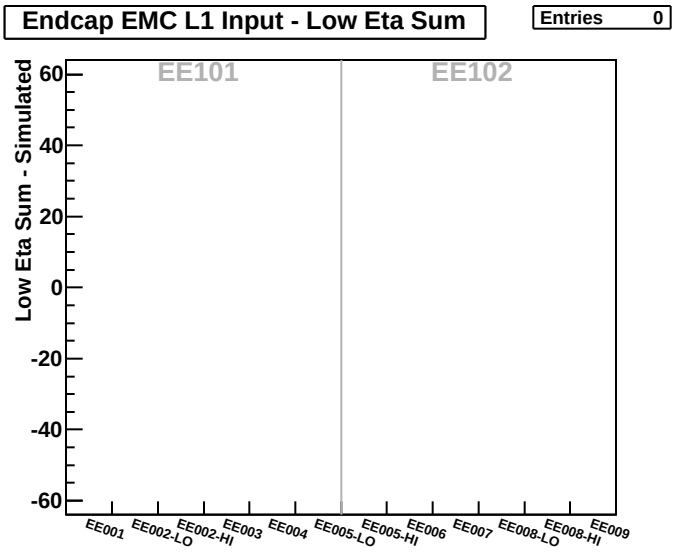

Barrel EMC L1 Input - High Eta Sum
Entries 1.06979e+07
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

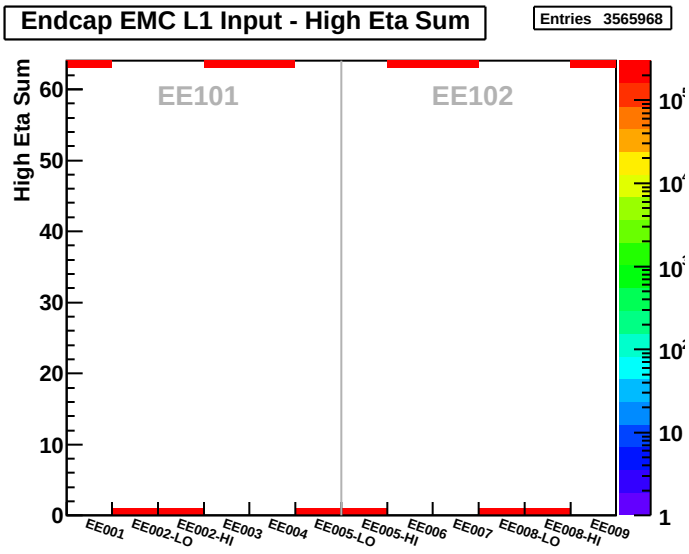

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

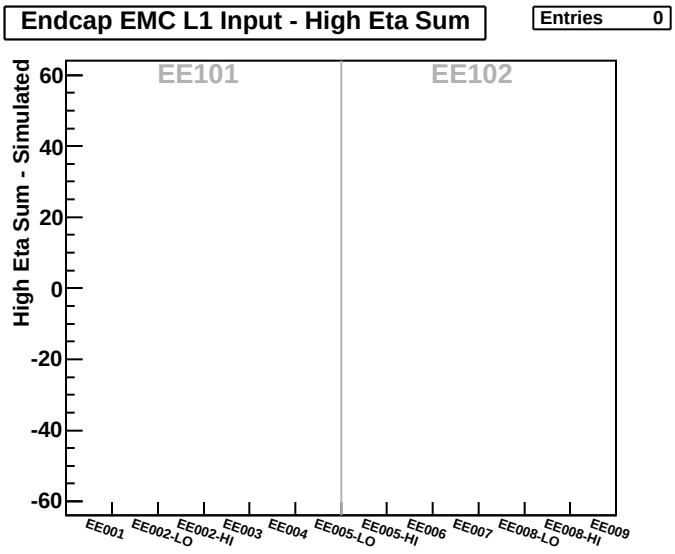

Barrel EMC L1 Input - High Tower Bits
Entries 1.06979e+07
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

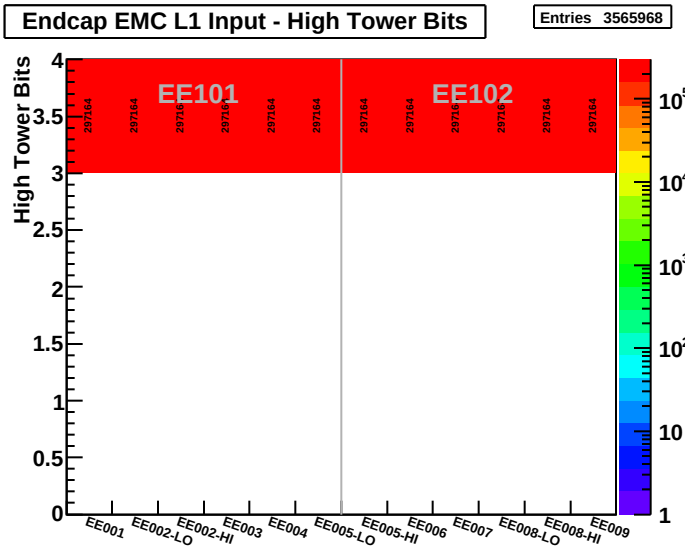

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

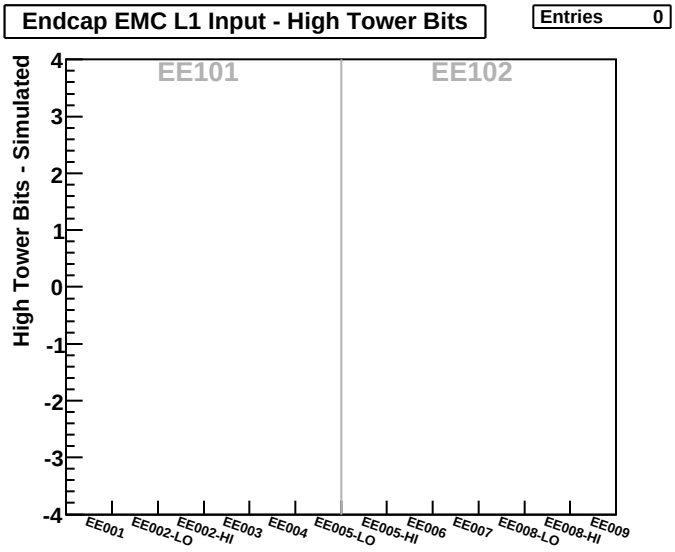

Endcap EMC L1 Input - Low Eta Sum
Entries 3565968
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

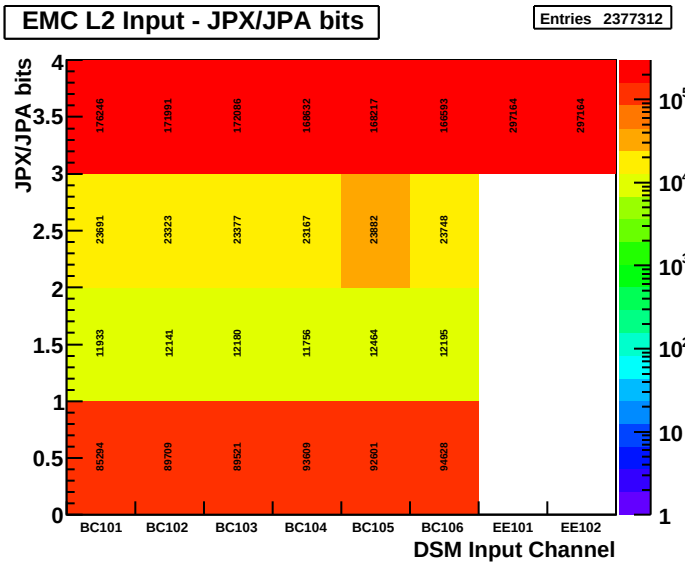

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

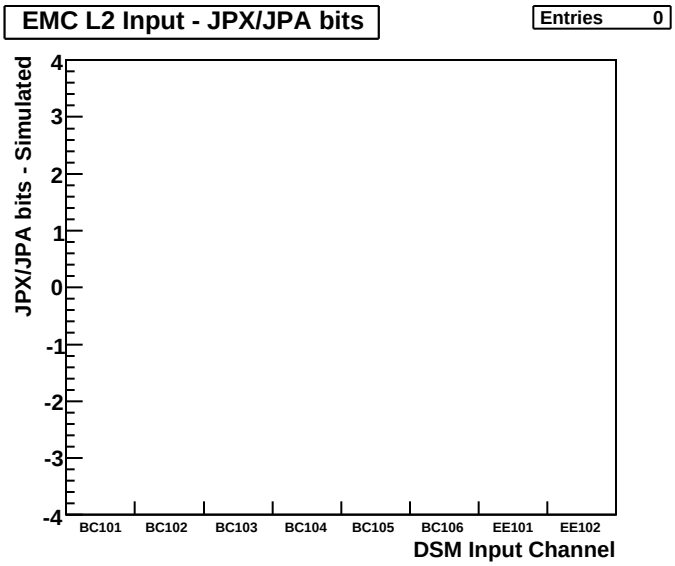

Endcap EMC L1 Input - High Eta Sum
Entries 3565968
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

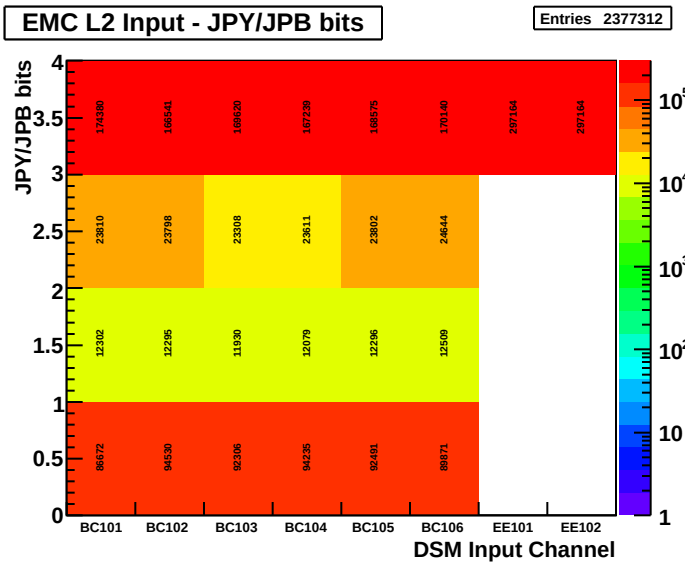

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

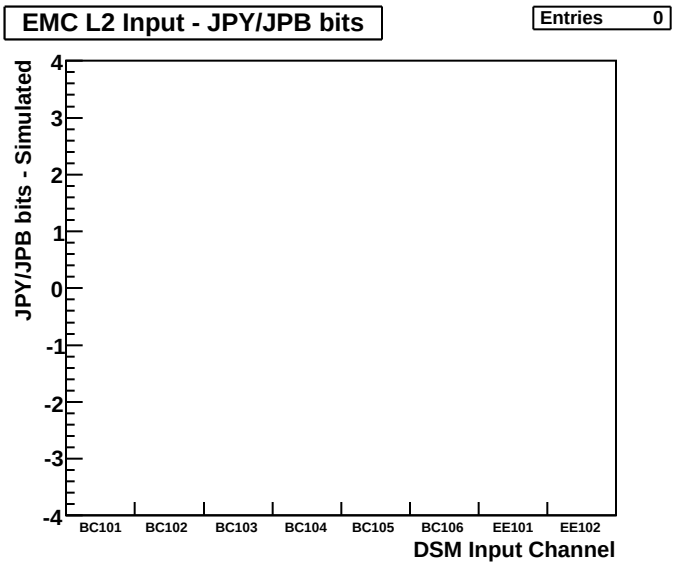

Endcap EMC L1 Input - High Tower Bits
Entries 3565968
High Tower Bits
EE101
EE102
297164
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

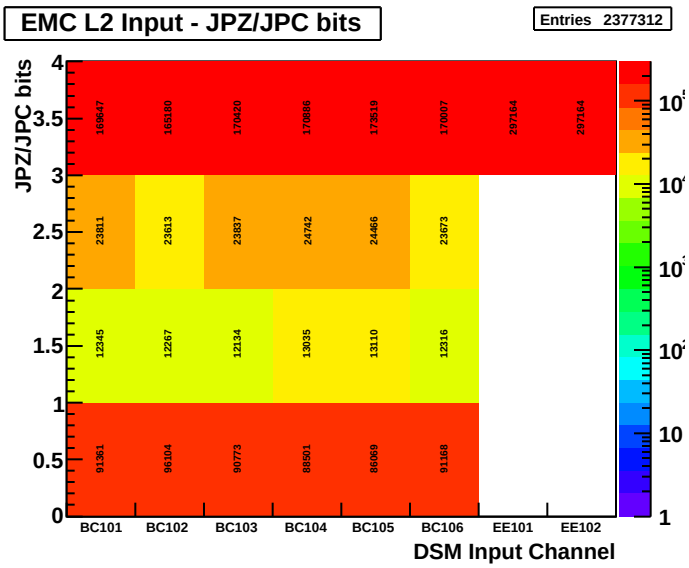

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

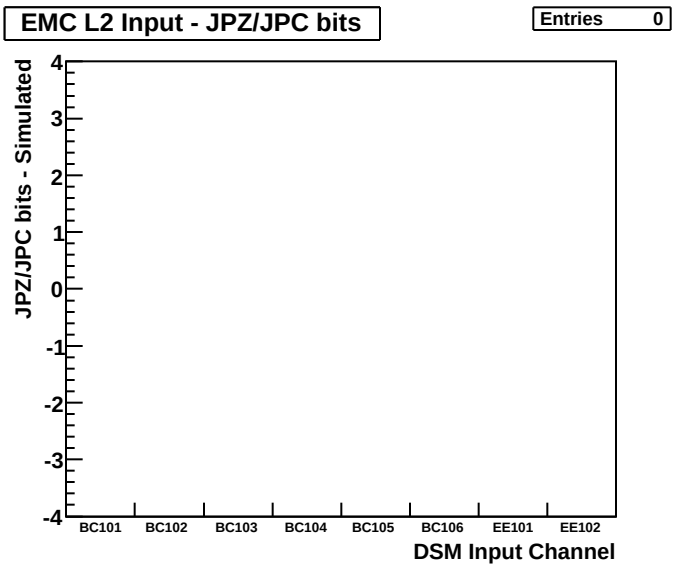

EMC L2 Input - JPX/JPA bits
Entries 2377312
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
176246 171991 172086 168632 168217 166593 297164 297164
23691 23323 23377 23167 23882 23748
11933 12141 12180 11756 12464 12195
85294 89709 89521 93609 92601 94628

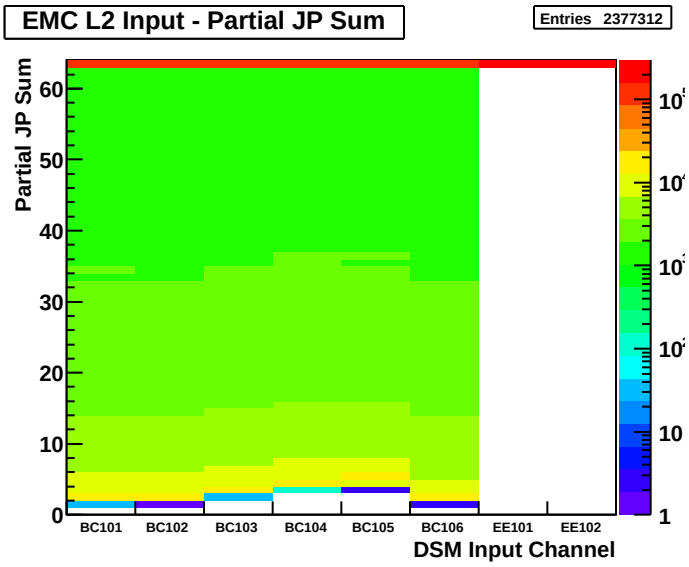

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

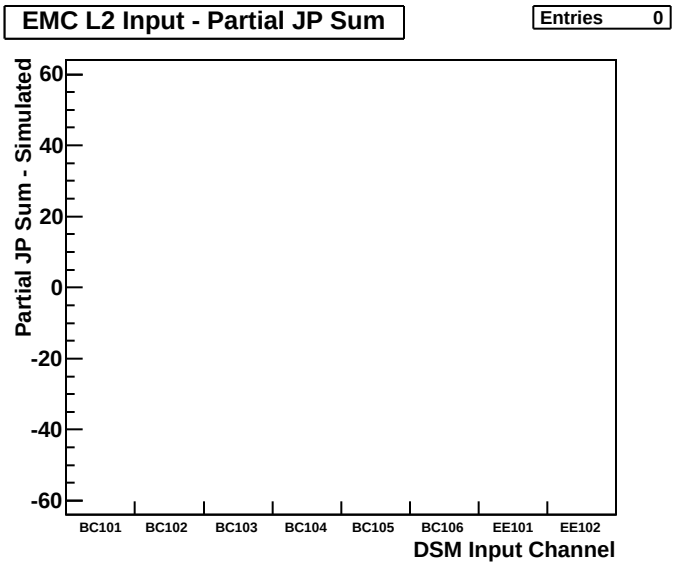

EMC L2 Input - JPY/JPB bits
Entries 2377312
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
174380 166541 169620 167239 168575 170140 297164 297164
23810 23798 23308 23611 23802 24644
12302 12295 11930 12079 12296 12509
86672 94530 92306 94235 92491 89871

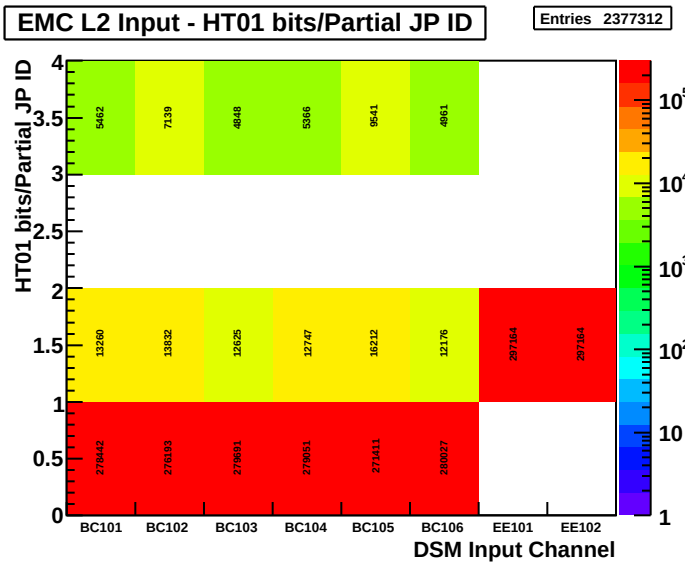

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

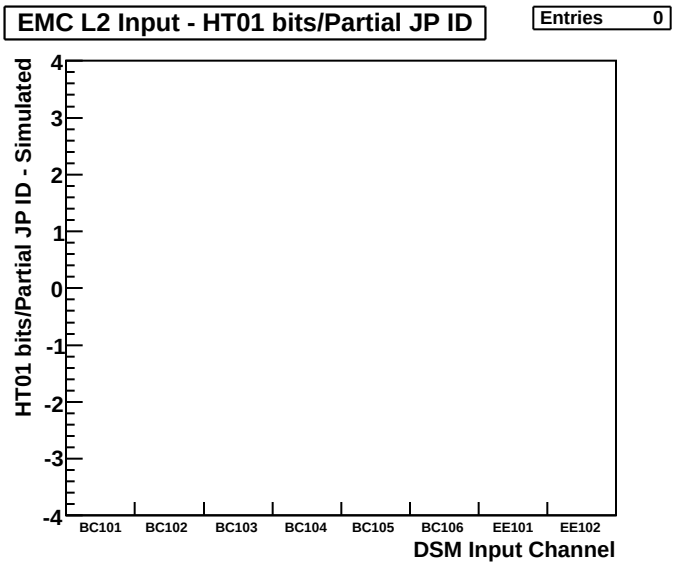

EMC L2 Input - JPZ/JPC bits
Entries 2377312
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
168647 165180 170420 170886 173519 170007 297164 297164
23811 23613 23837 24742 24466 23673
12345 12267 12134 13035 13110 12316
91361 96104 90773 88501 86069 91168

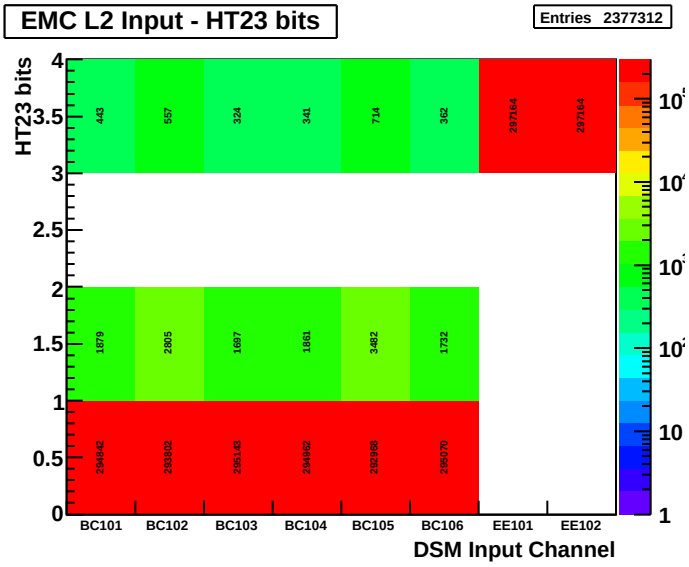

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

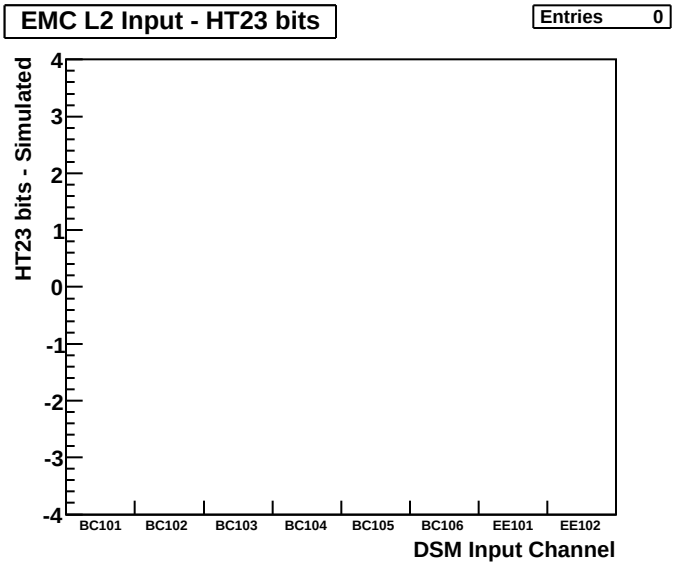

EMC L2 Input - Partial JP Sum
Entries 2377312
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

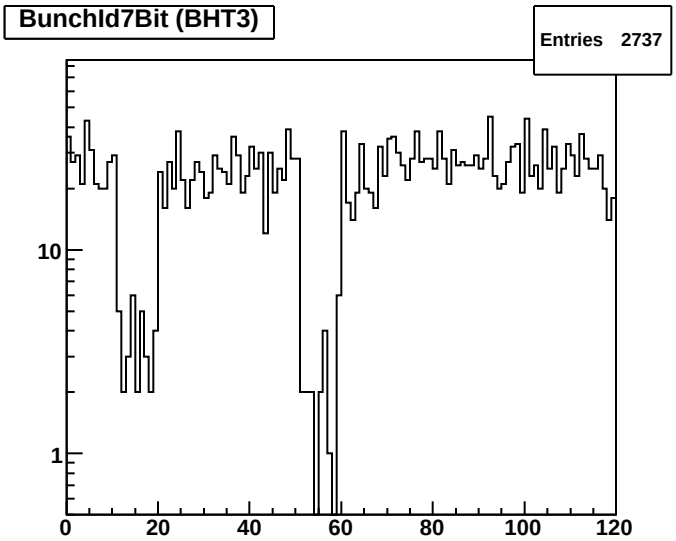

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

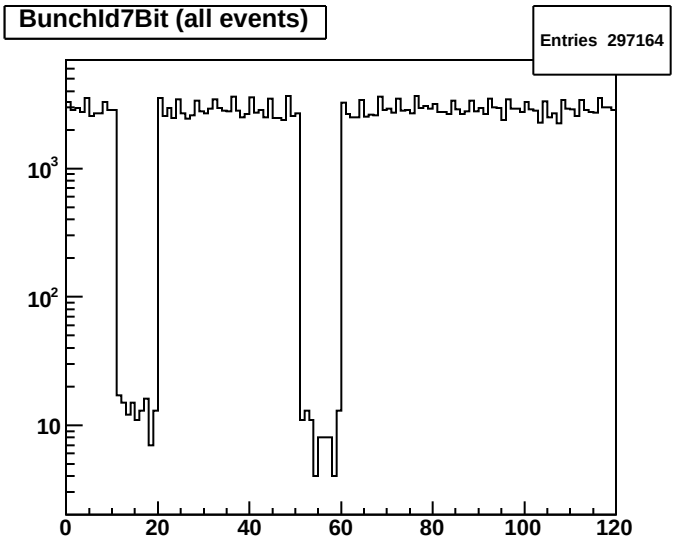

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2377312
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

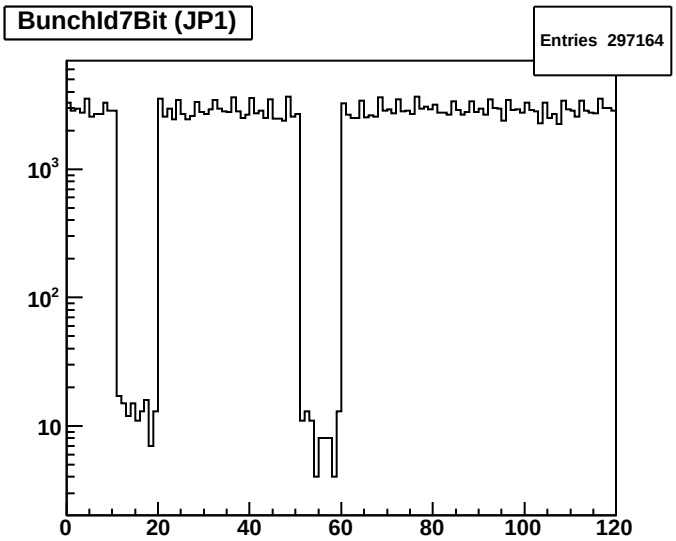

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

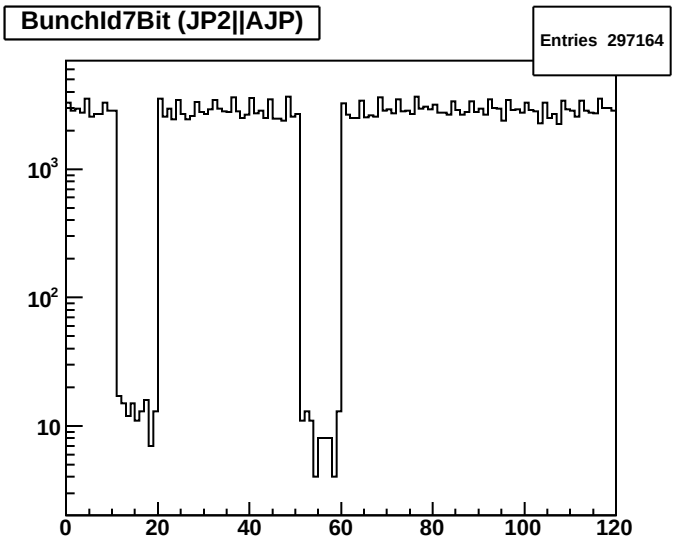

EMC L2 Input - HT23 bits
Entries 2377312
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

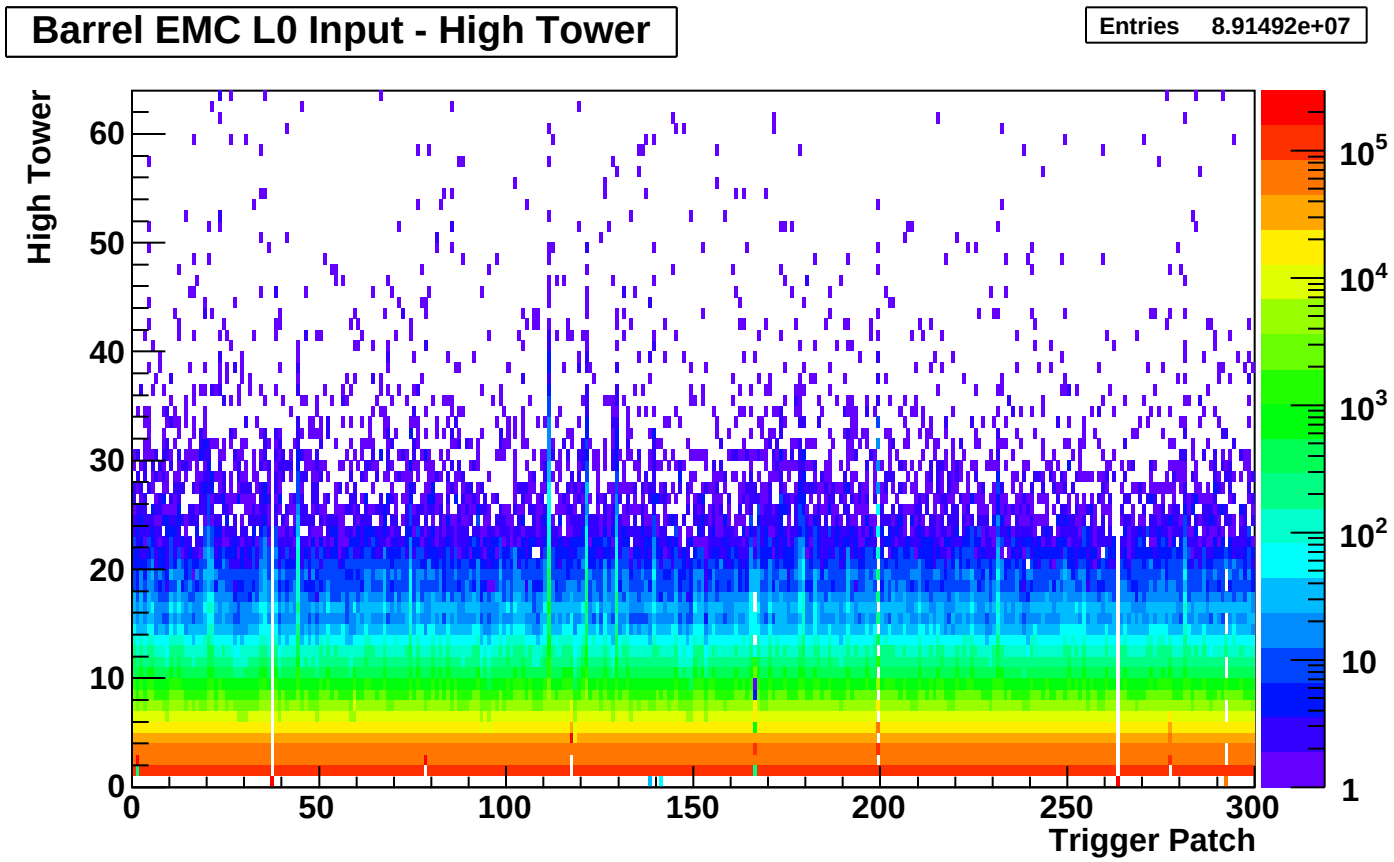

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

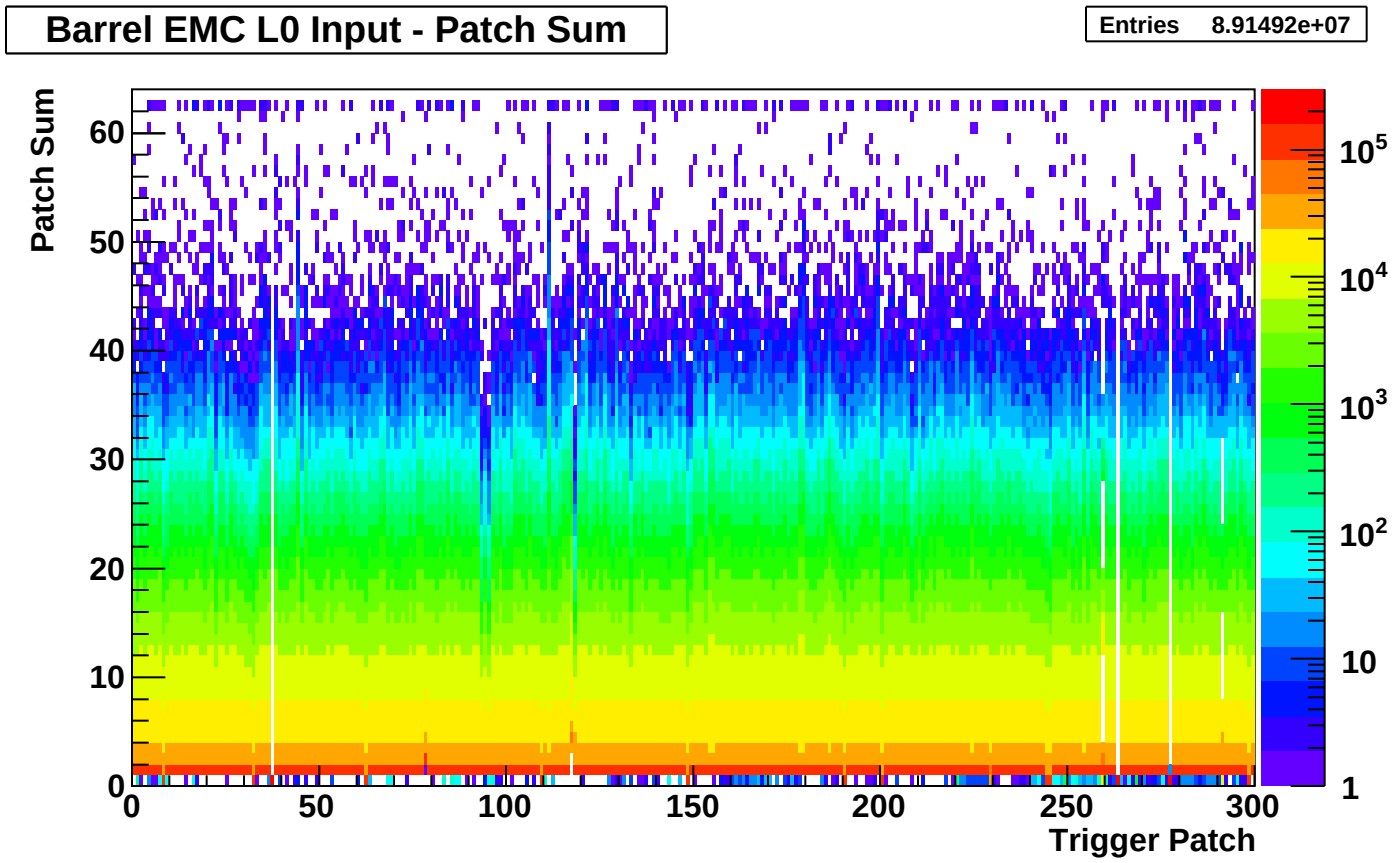

BunchId7Bit (BHT3)
Entries 2737
10
1
0
20
40
60
80
100
120

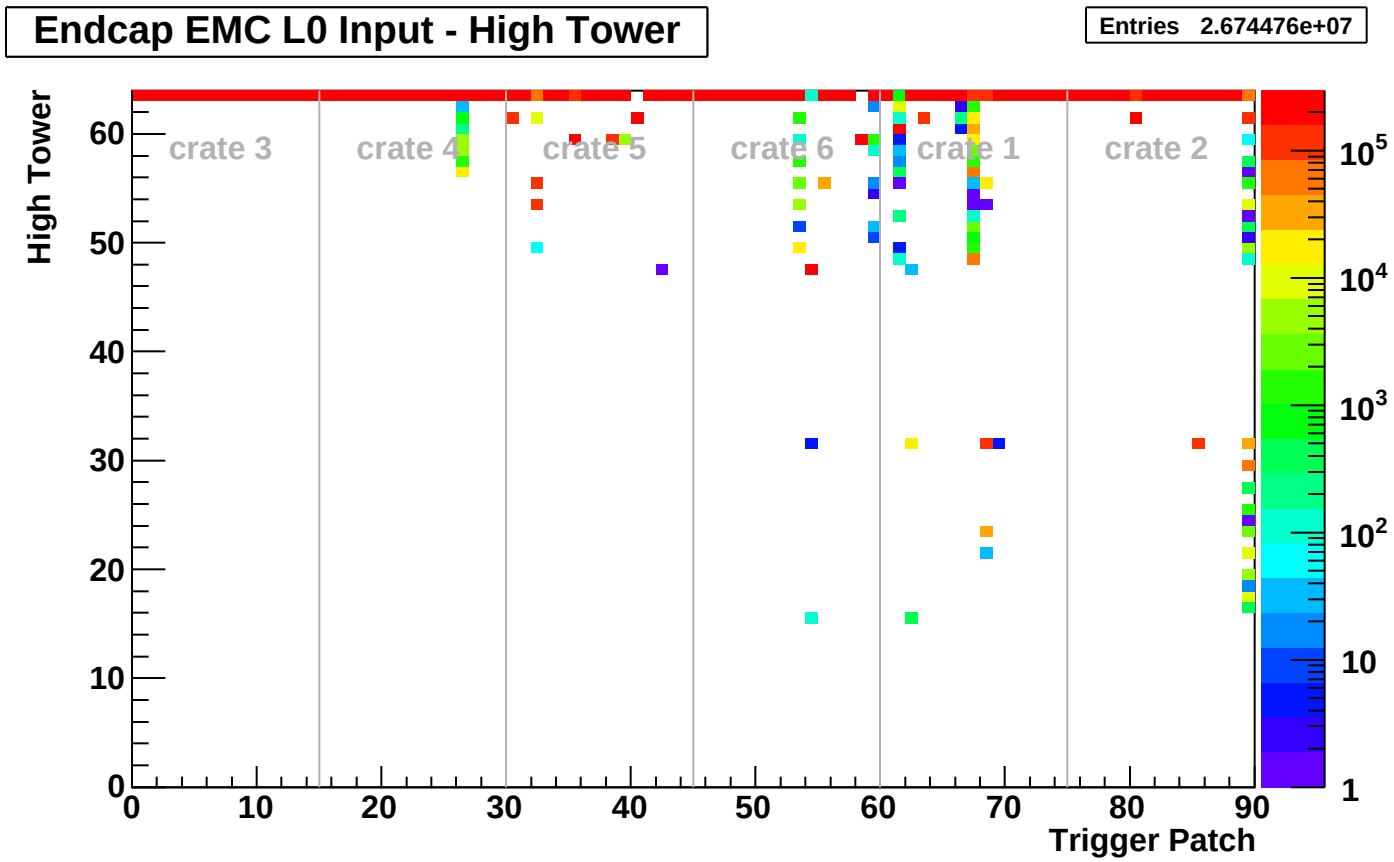

BunchId7Bit (all events)
Entries 297164
10^3
10^2
10
0
20
40
60
80
100
120

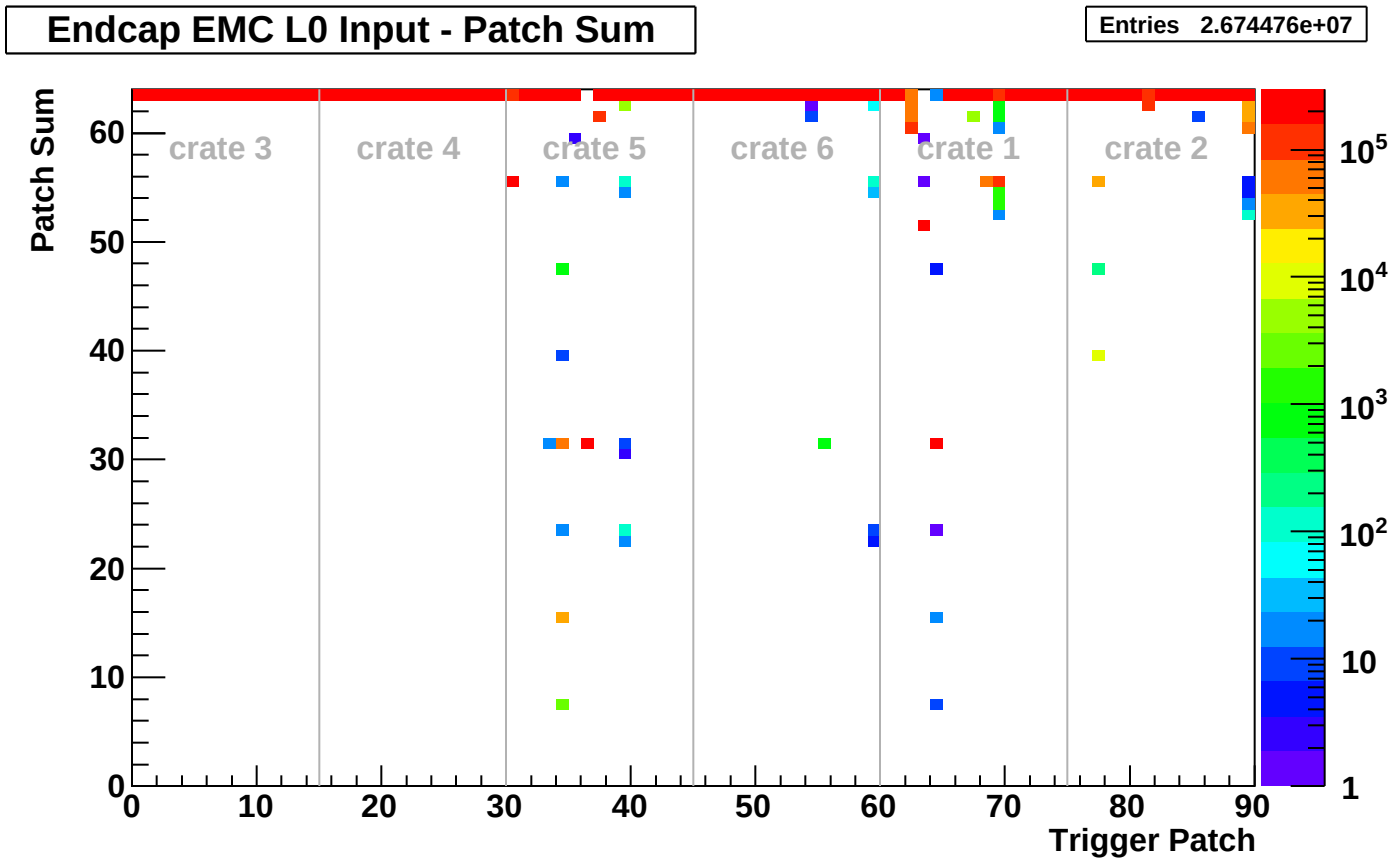

BunchId7Bit (JP1)
Entries 297164
10^3
10^2
10
0
20
40
60
80
100
120

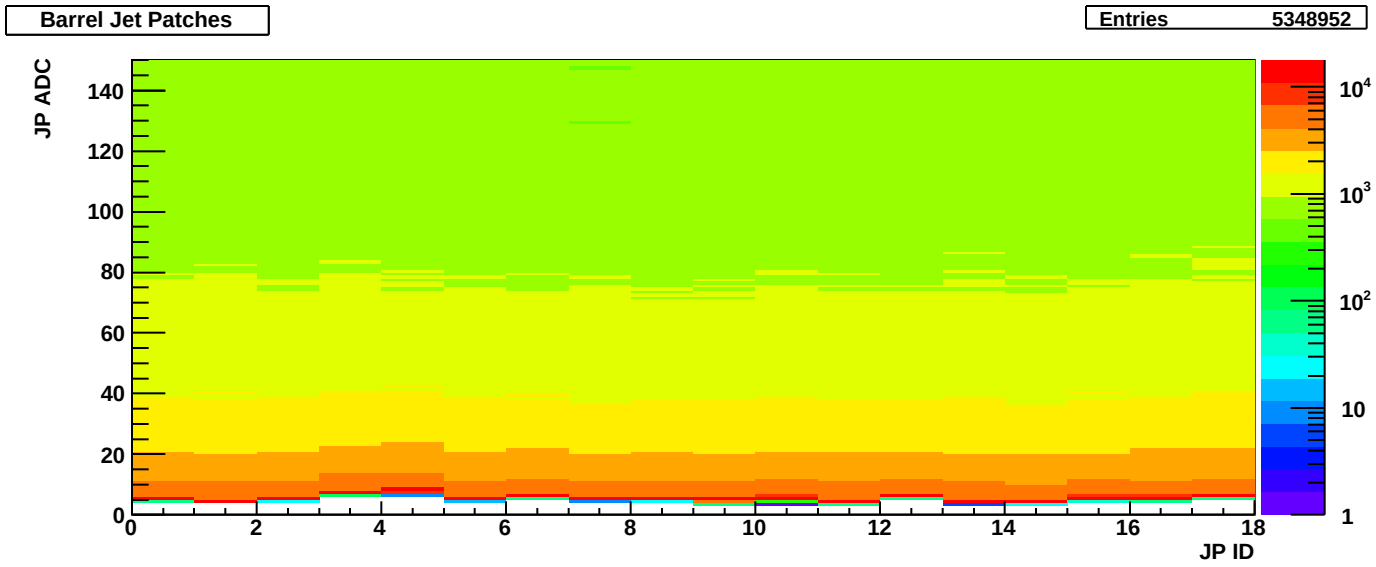

BunchId7Bit (JP2||AJP)
Entries 297164
10^3
10^2
10
0
20
40
60
80
100
120

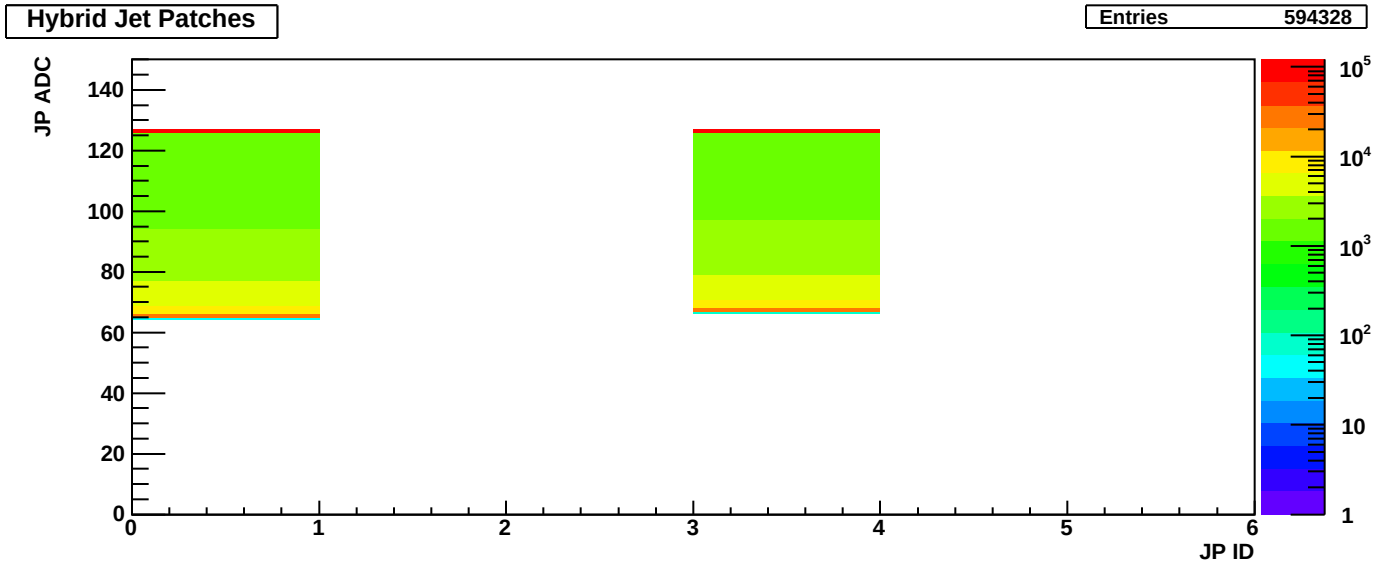

Barrel EMC L0 Input - High Tower
Entries 8.91492e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

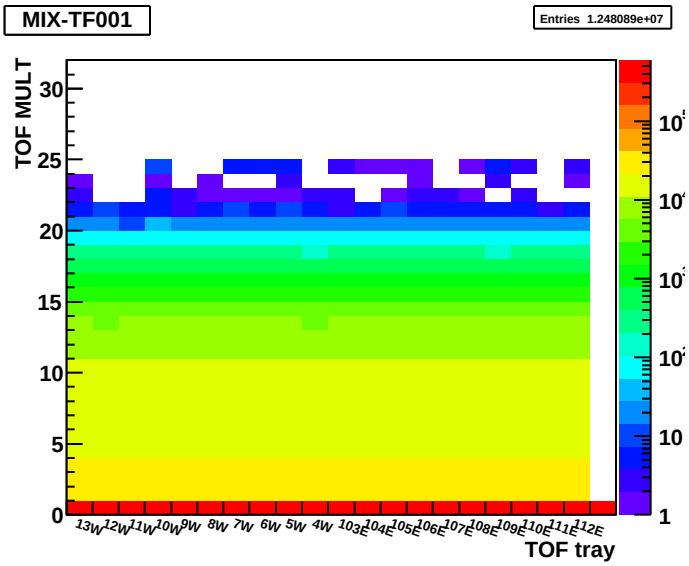

Barrel EMC L0 Input - Patch Sum
Entries 8.91492e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

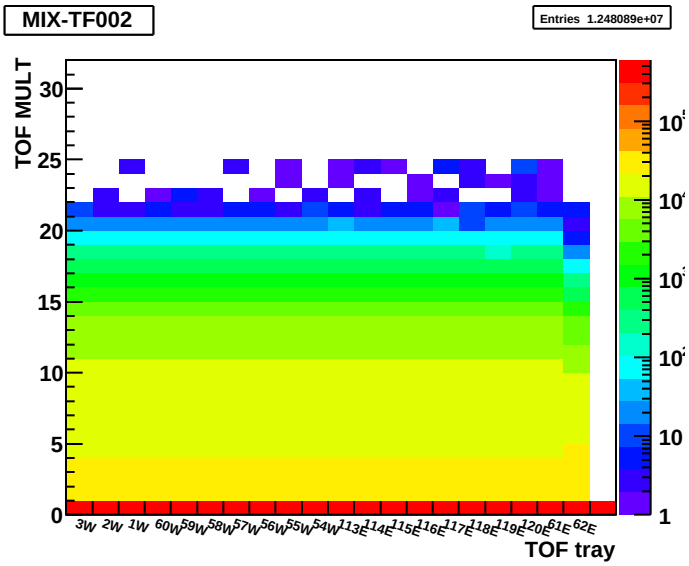

Endcap EMC L0 Input - High Tower
Entries 2.674476e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

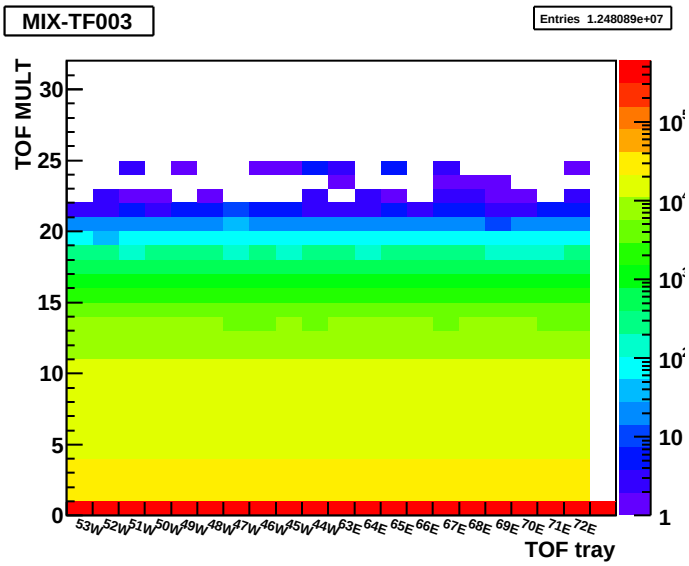

Endcap EMC L0 Input - Patch Sum
Entries 2.674476e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

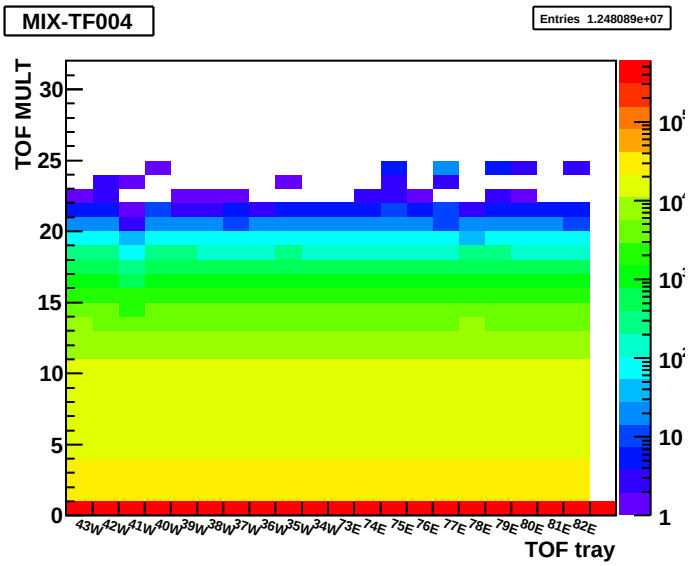

Barrel Jet Patches
Entries 5348952
JP ADC
JP ID

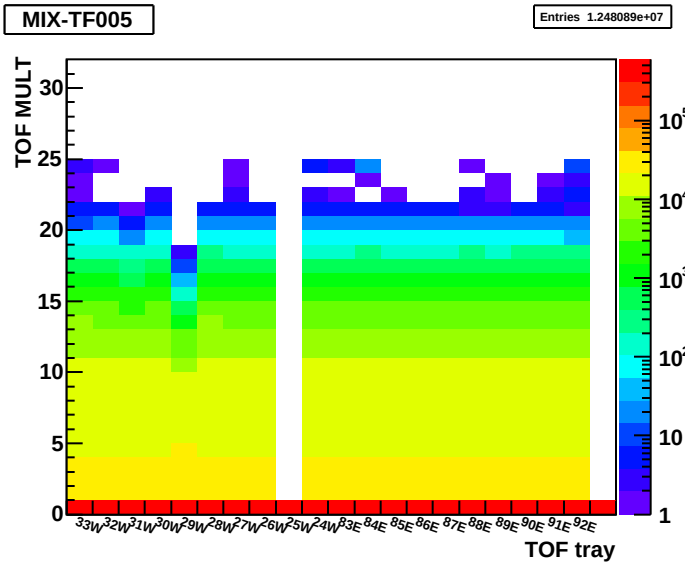

Hybrid Jet Patches
Entries 594328
JP ADC
JP ID

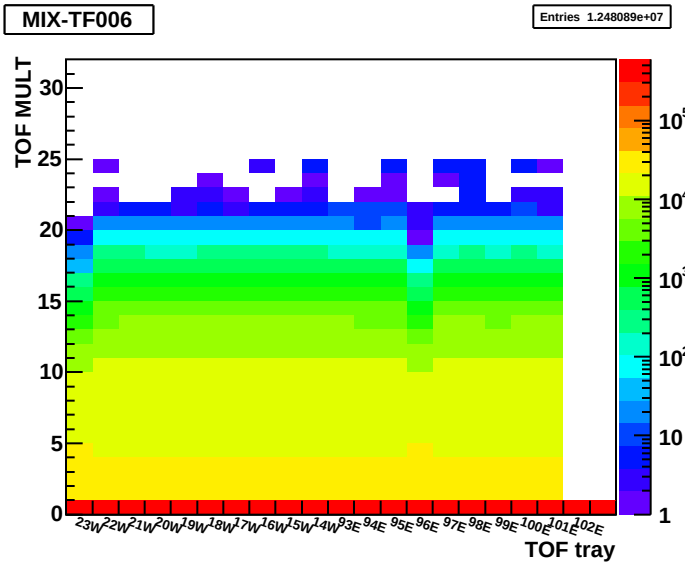

MIX-TF001
Entries 1.248089e+07
TOF MULT
TOF tray

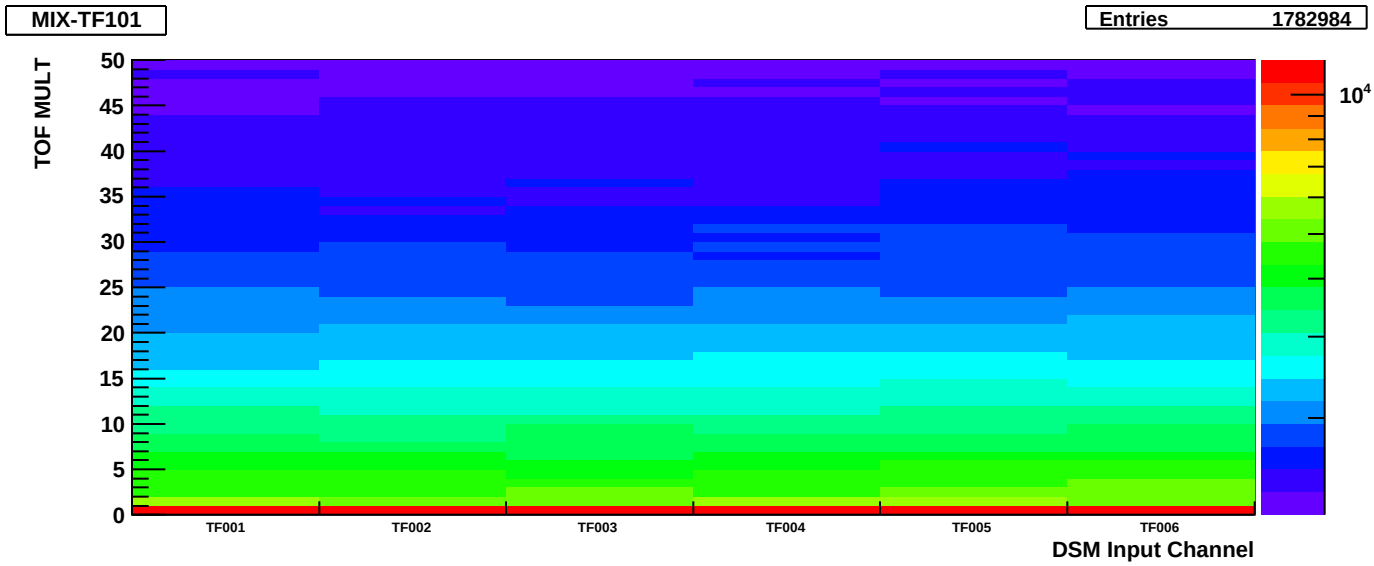

MIX-TF002
Entries 1.248089e+07
TOF MULT
TOF tray

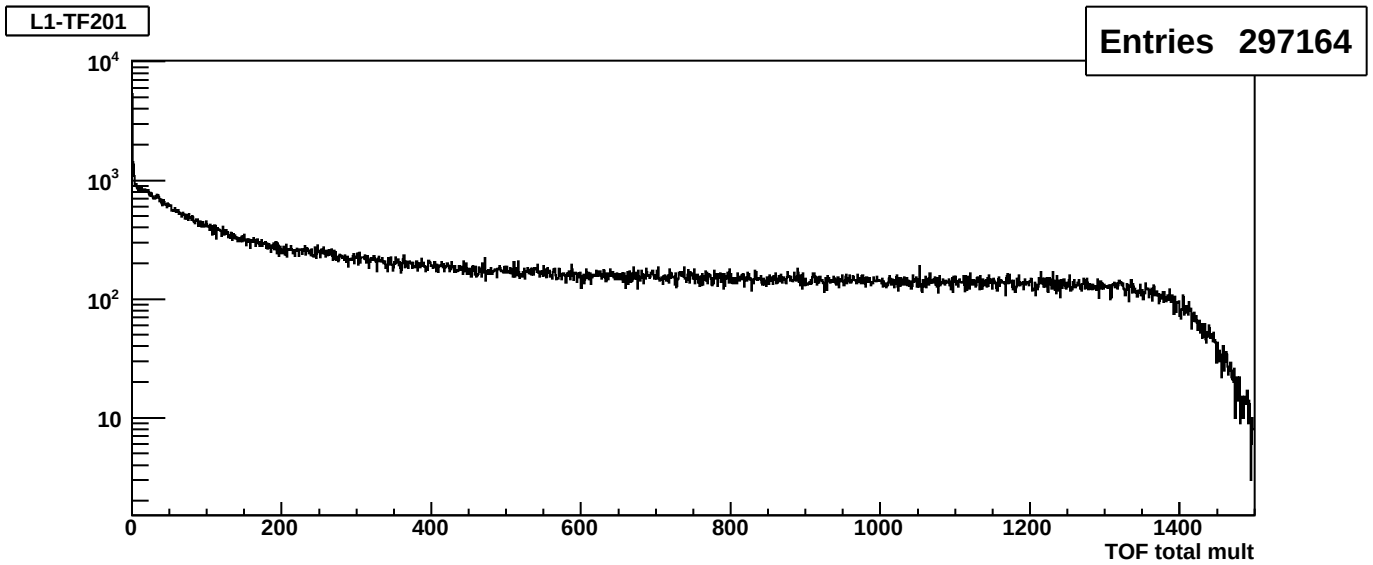

MIX-TF003
Entries 1.248089e+07
TOF MULT
TOF tray

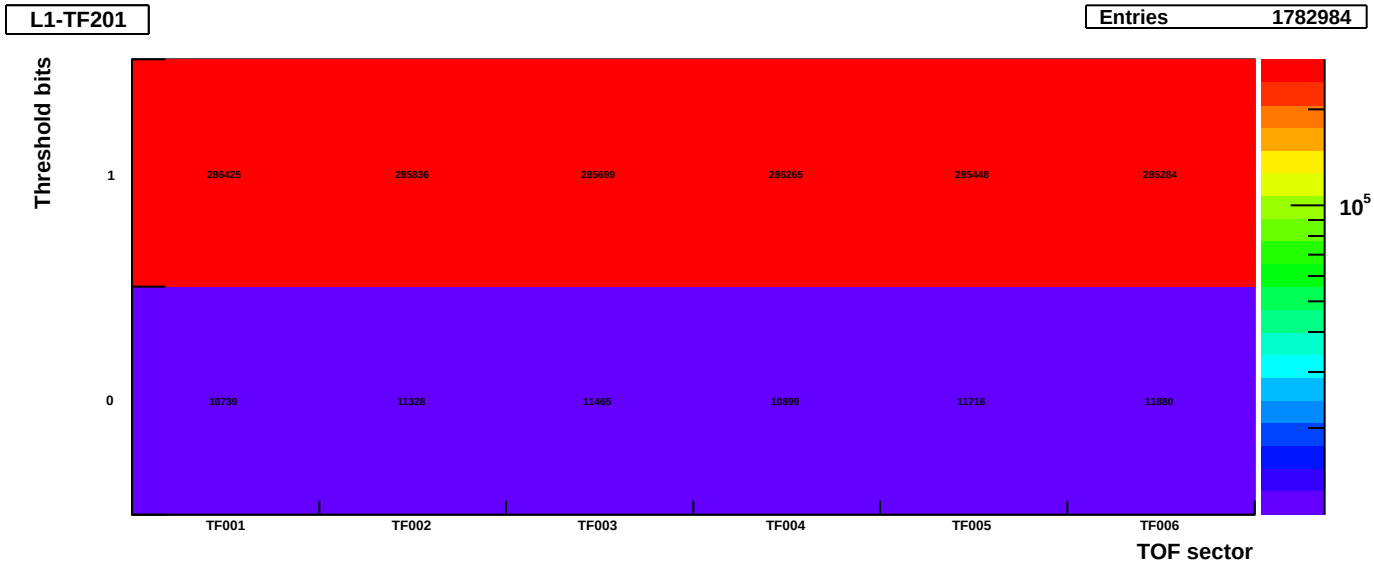

MIX-TF004
Entries 1.248089e+07
TOF MULT
TOF tray

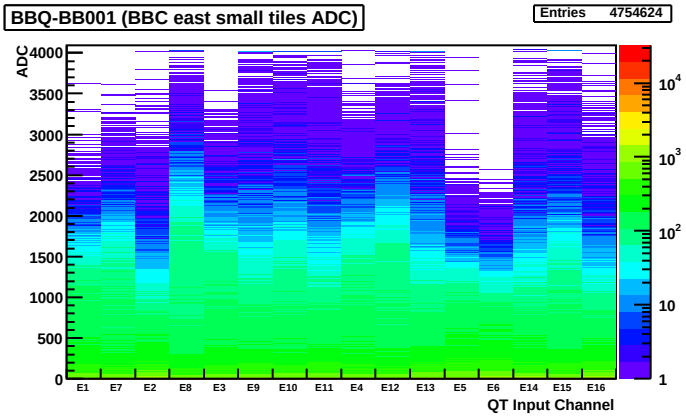

MIX-TF005
Entries 1.248089e+07
TOF MULT
TOF tray

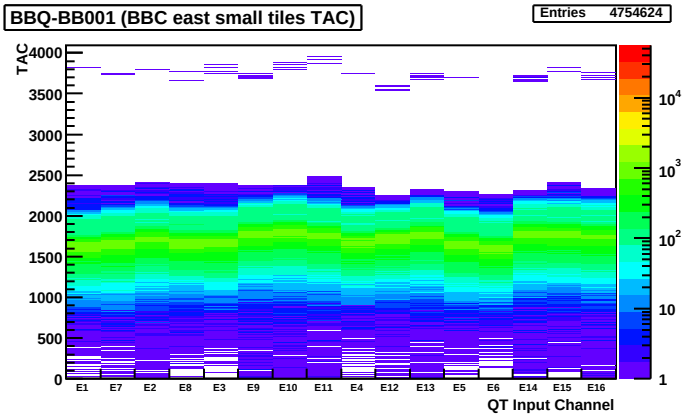

MIX-TF006
Entries 1.248089e+07
TOF MULT
TOF tray

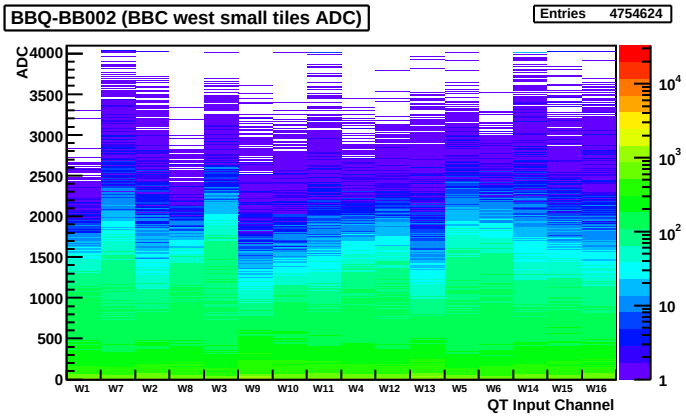

MIX-TF101
Entries 1782984
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

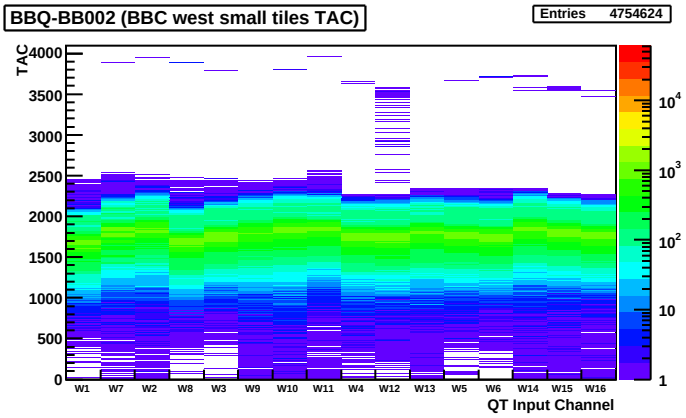

L1-TF201
Entries 297164
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

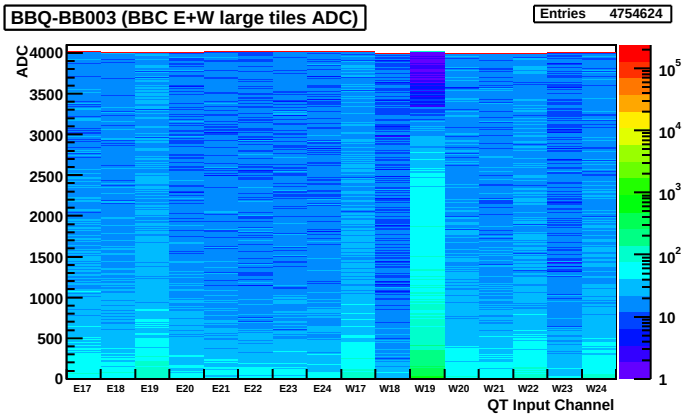

L1-TF201
Entries 1782984
Threshold bits
1
0
286425
285836
285699
286265
285448
285284
10739
11328
11465
10899
11716
11880
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

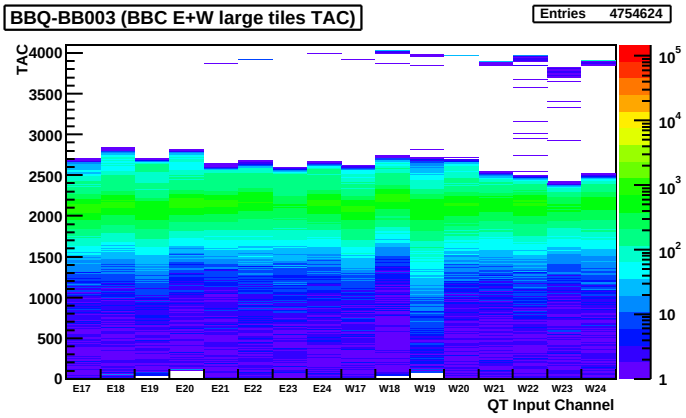

BBQ-BB001 (BBC east small tiles ADC)
Entries 4754624
ADC
QT Input Channel

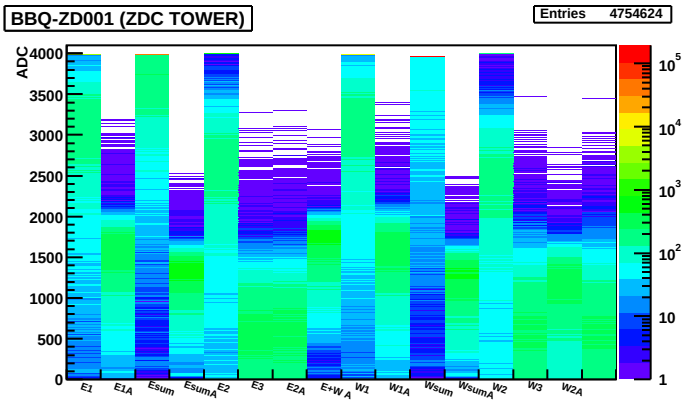

BBQ-BB001 (BBC east small tiles TAC)
Entries 4754624
TAC
QT Input Channel

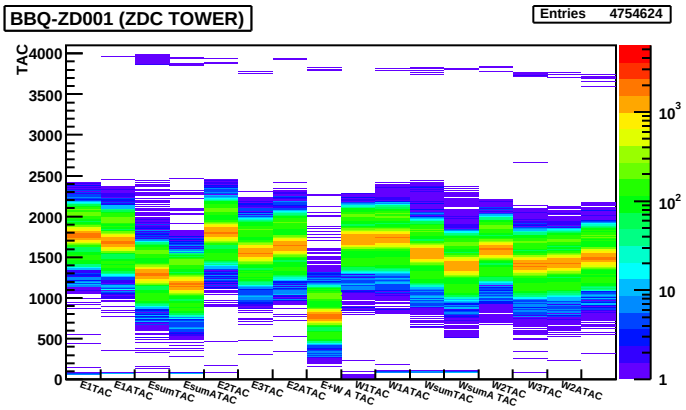

BBQ-BB002 (BBC west small tiles ADC)
Entries 4754624
ADC
QT Input Channel

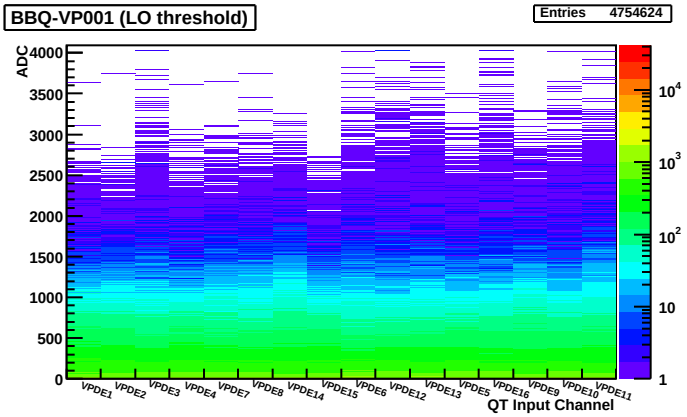

BBQ-BB002 (BBC west small tiles TAC)
Entries 4754624
TAC
QT Input Channel

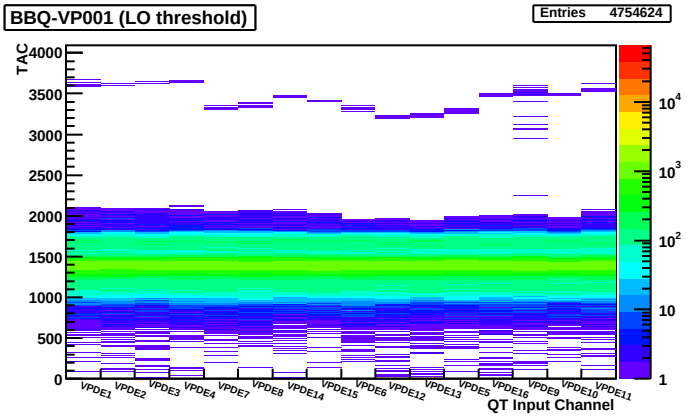

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 4754624
ADC
QT Input Channel

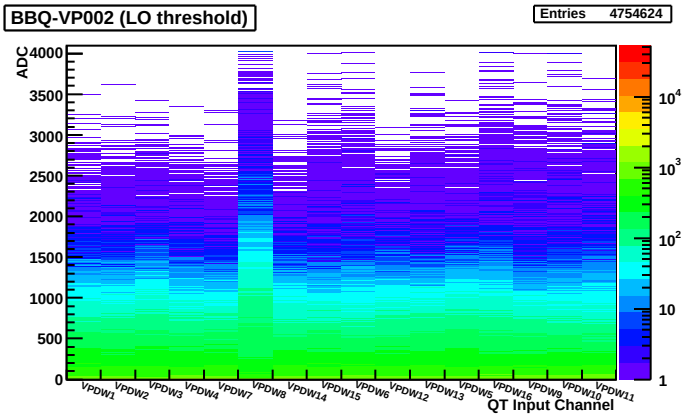

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 4754624
TAC
QT Input Channel

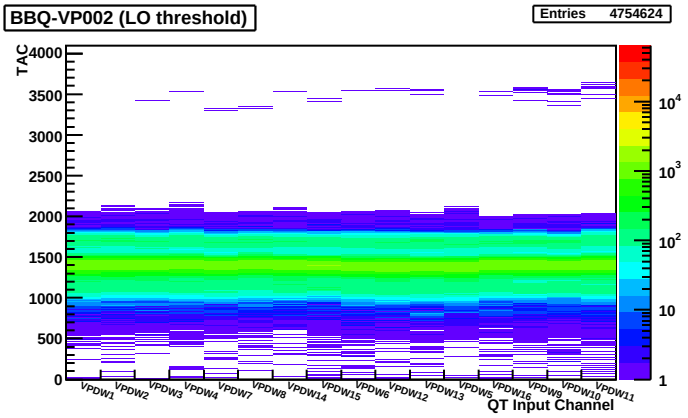

BBQ-ZD001 (ZDC TOWER)
Entries 4754624
ADC

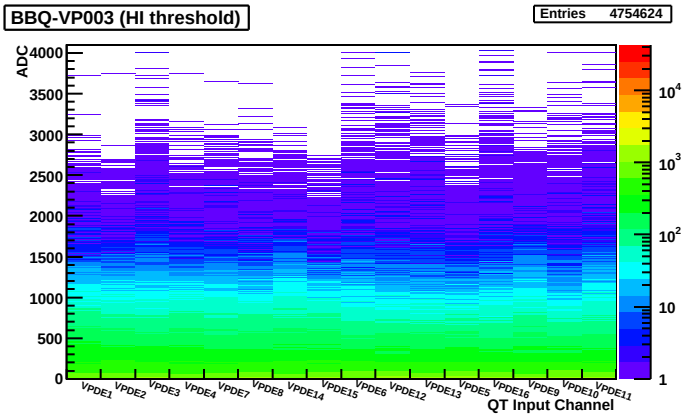

BBQ-ZD001 (ZDC TOWER)
Entries 4754624
TAC

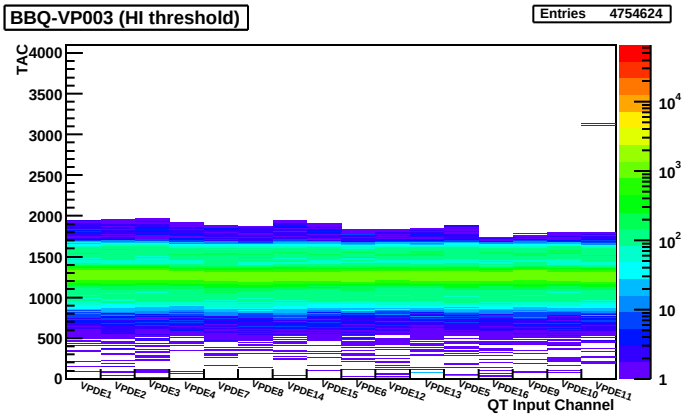

BBQ-VP001 (LO threshold)
Entries 4754624
ADC
QT Input Channel

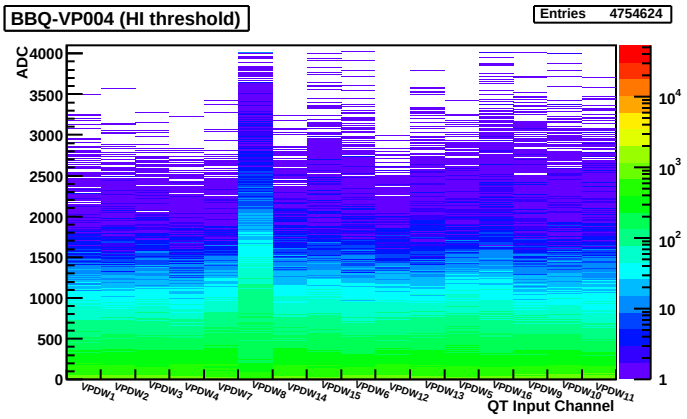

BBQ-VP001 (LO threshold)
Entries 4754624
TAC
QT Input Channel

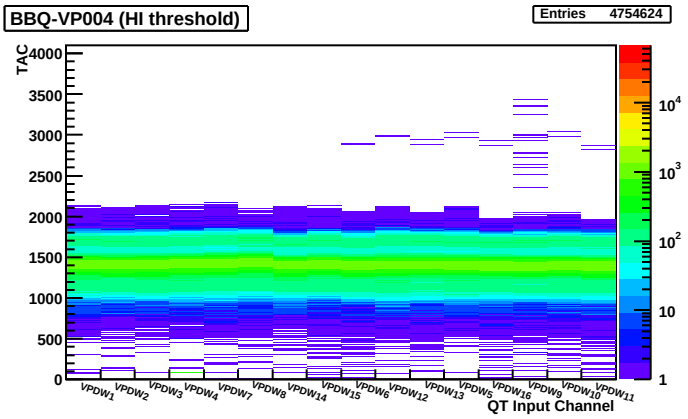

BBQ-VP002 (LO threshold)
Entries 4754624
ADC
QT Input Channel

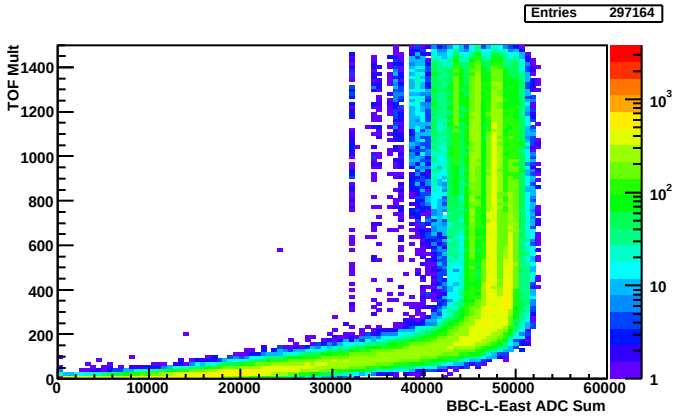

BBQ-VP002 (LO threshold)
Entries 4754624
TAC
QT Input Channel

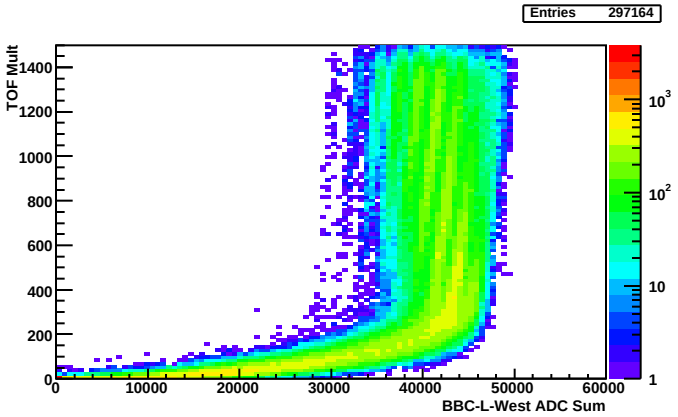

BBQ-VP003 (HI threshold)
Entries 4754624
ADC
QT Input Channel

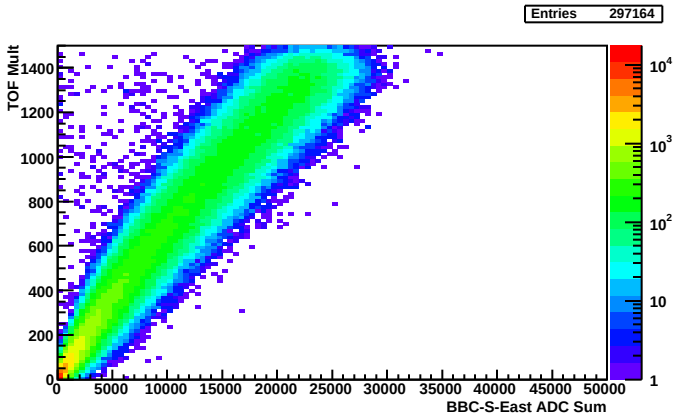

BBQ-VP003 (HI threshold)
Entries 4754624
TAC
QT Input Channel

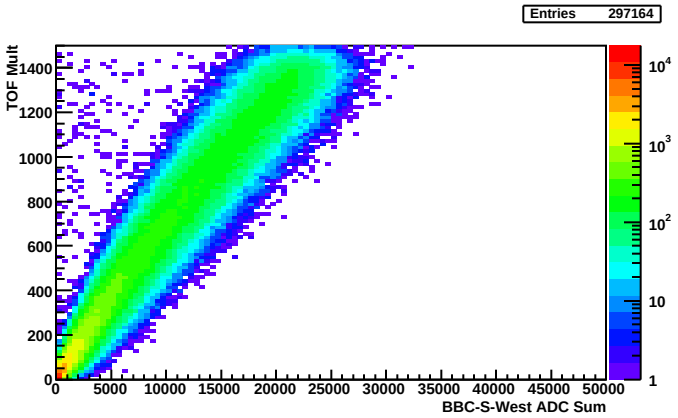

BBQ-VP004 (HI threshold)
Entries 4754624
ADC
QT Input Channel

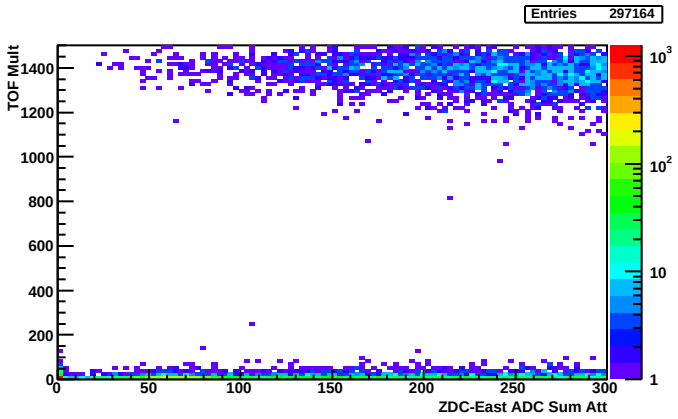

BBQ-VP004 (HI threshold)
Entries 4754624
TAC
QT Input Channel


Entries 297164
TOF Mult
BBC-L-East ADC Sum


Entries 297164
TOF Mult
BBC-L-West ADC Sum


Entries 297164
TOF Mult
BBC-S-East ADC Sum


Entries 297164
TOF Mult
BBC-S-West ADC Sum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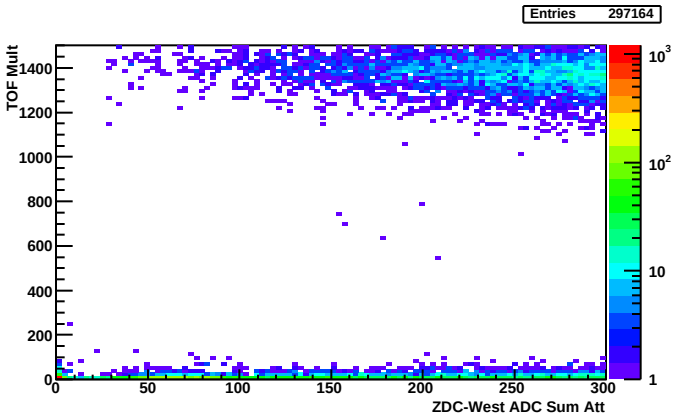
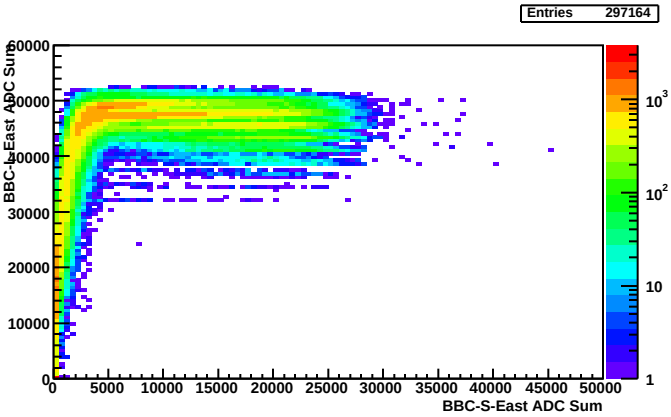
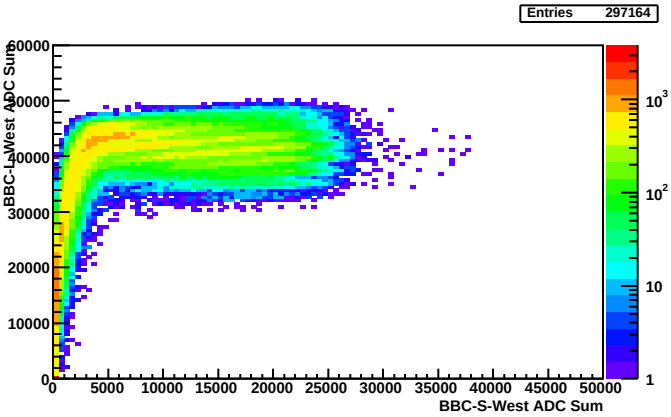
TOF Mult
ZDC-East ADC Sum Att


Entries 297164
TOF Mult
ZDC-West ADC Sum Att


Entries 297164
BBC-L-East ADC Sum
BBC-S-East ADC Sum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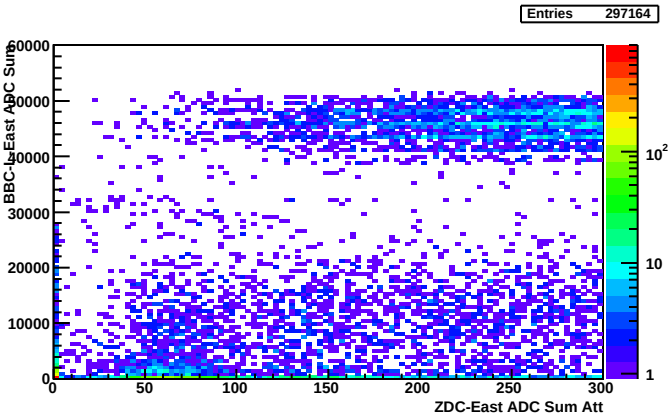
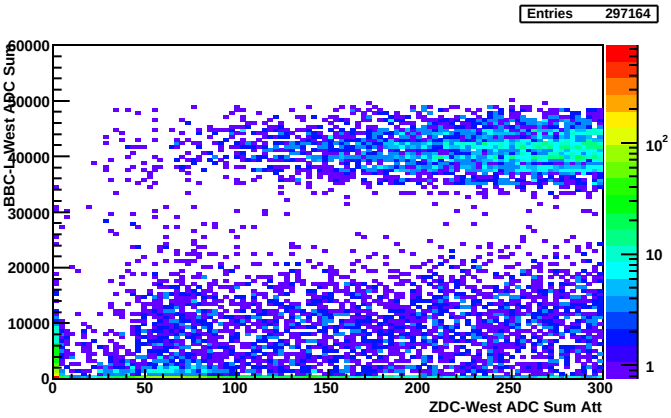
BBC-S-West ADC Sum


Entries 297164
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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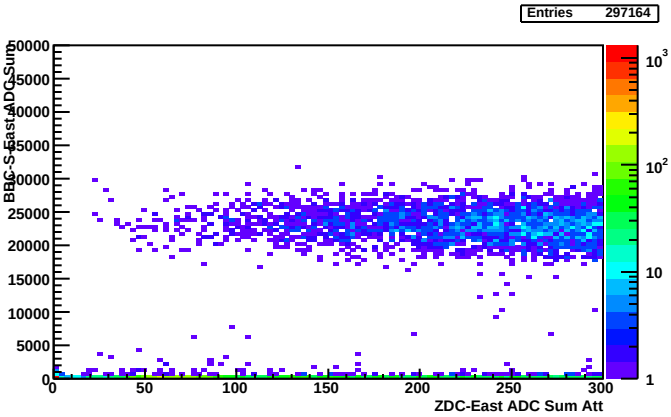
ZDC-West ADC Sum Att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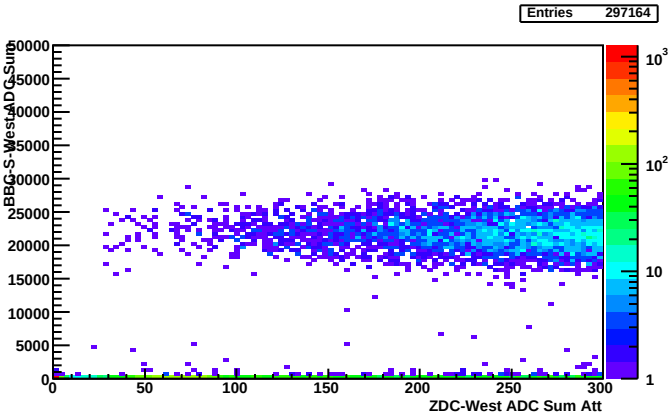
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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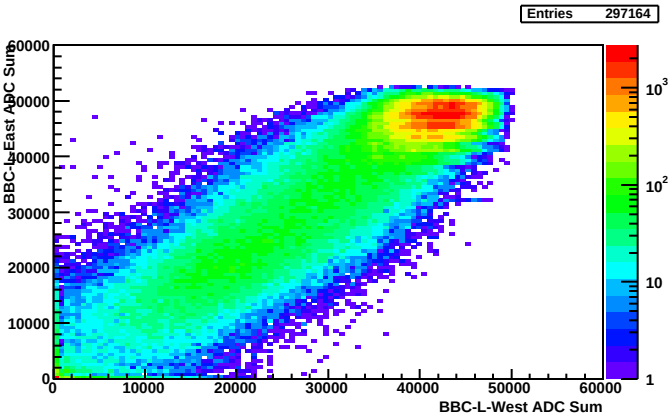
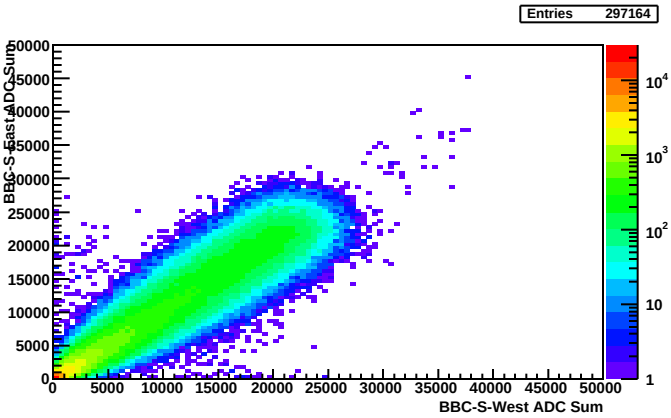
ZDC-West ADC Sum Att


Entries 297164
BBC-L-East ADC Sum
BBC-L-West ADC Sum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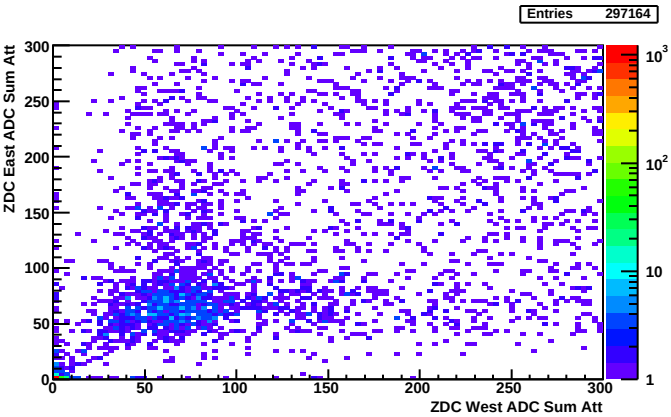
BBC-S-East ADC Sum
BBC-S-West ADC Sum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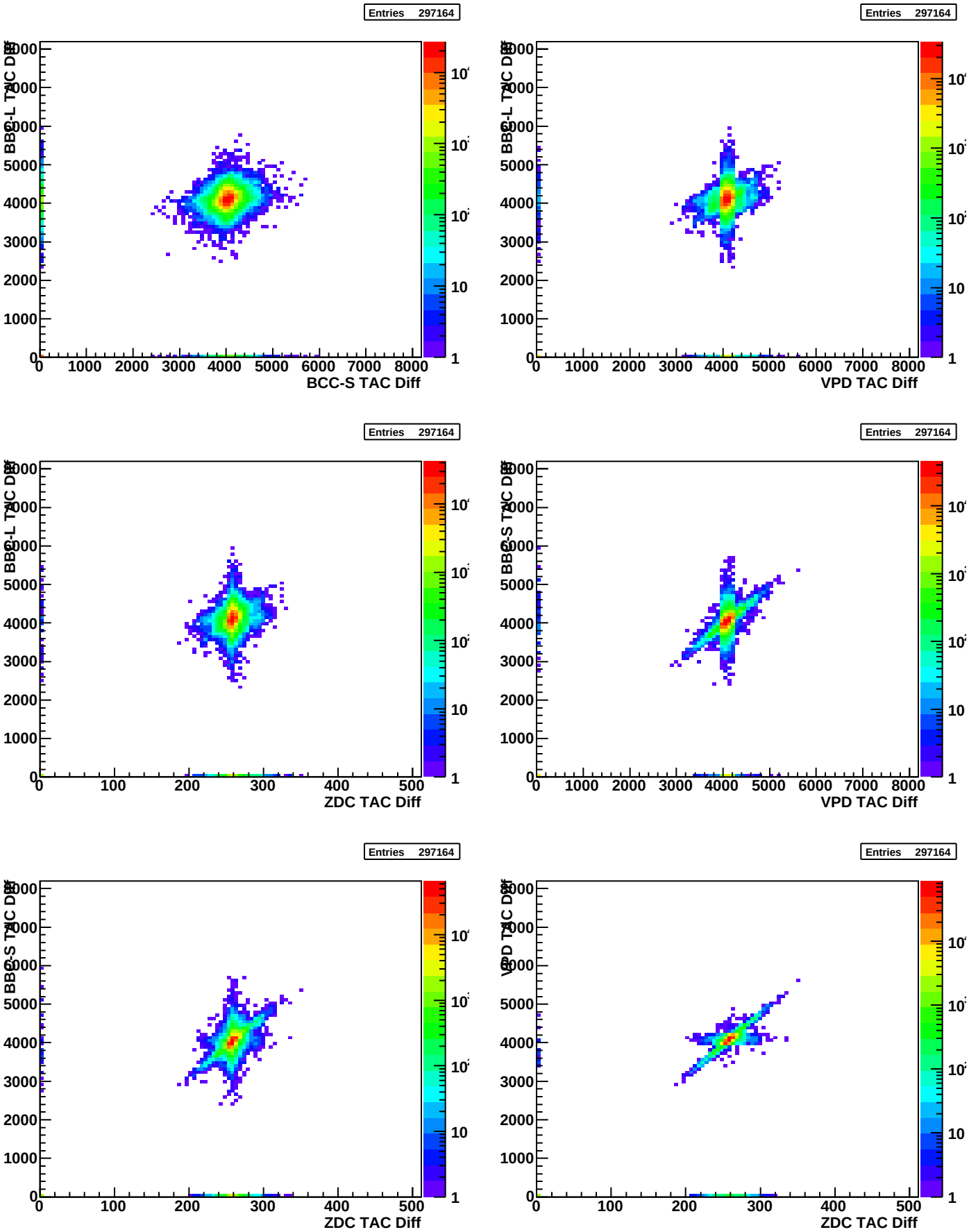
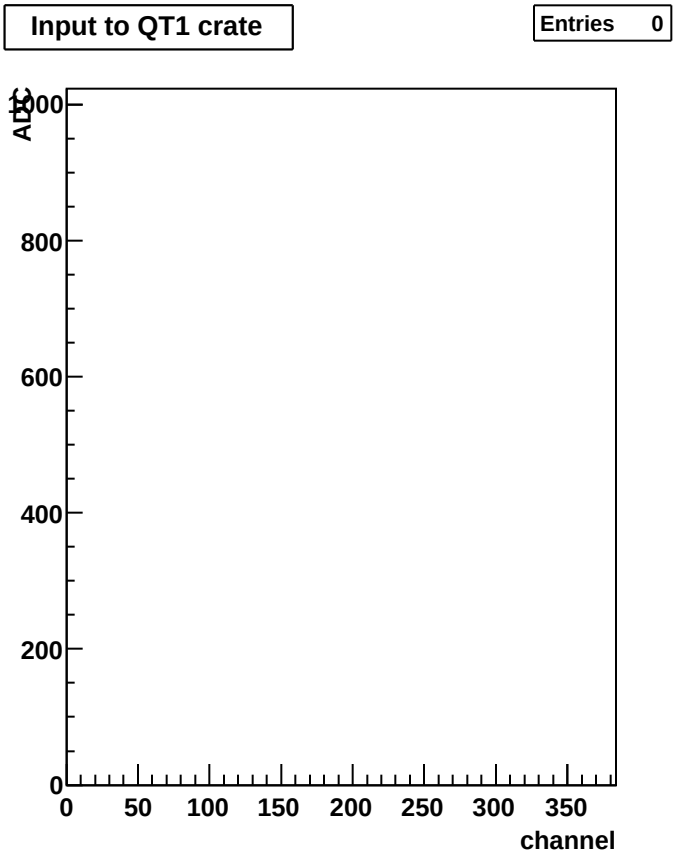
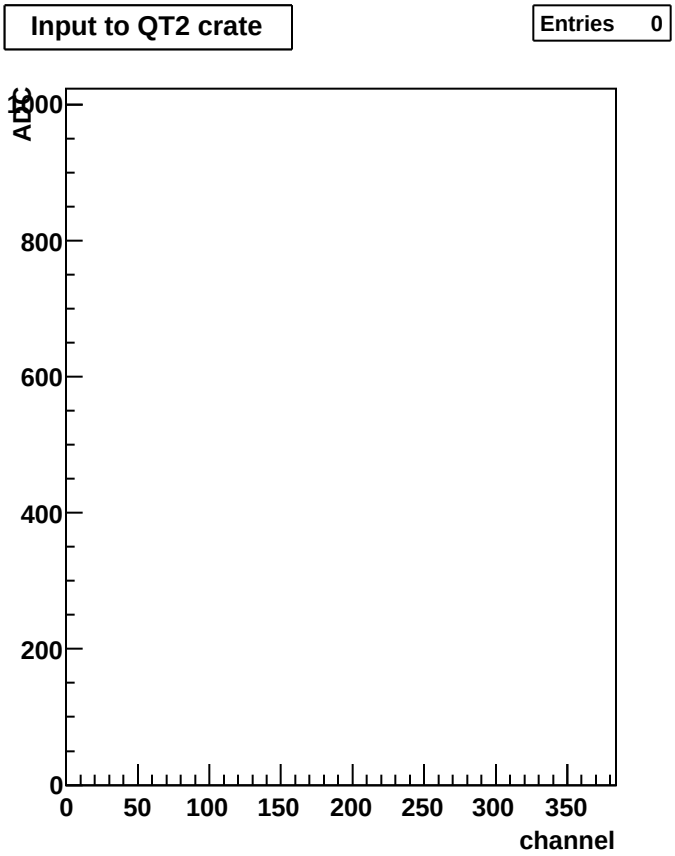
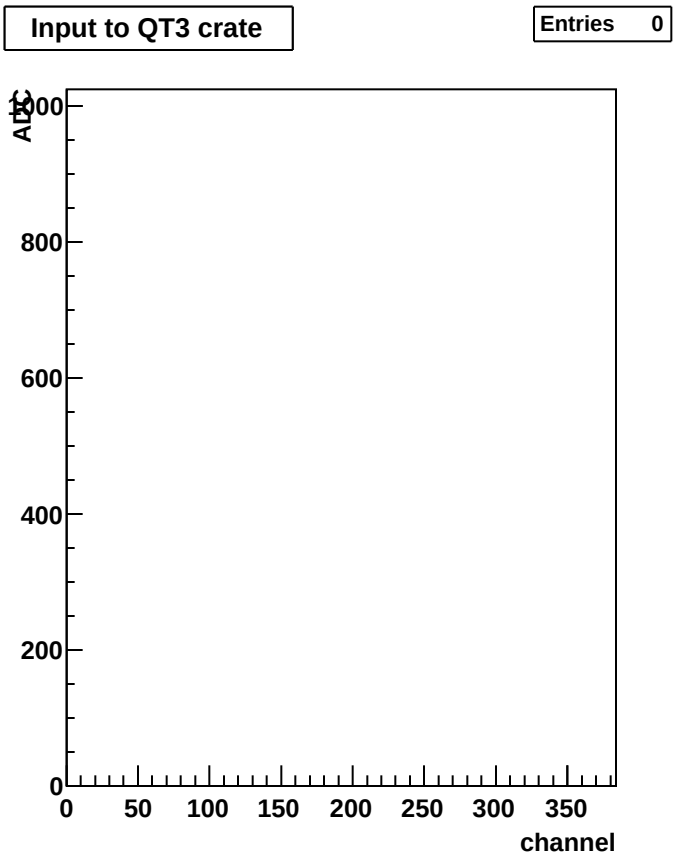
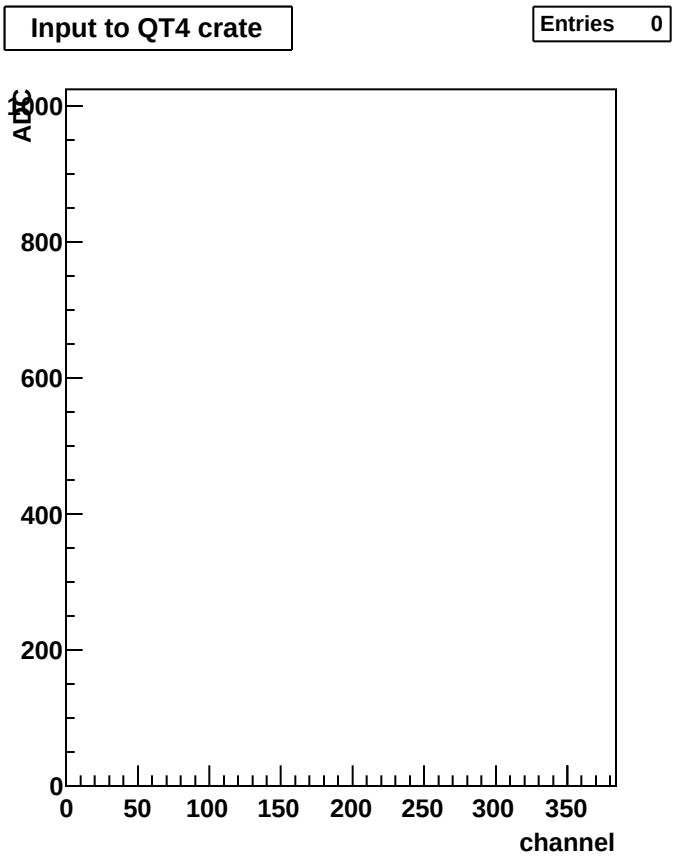
ZDC East ADC Sum Att
ZDC West ADC Sum Att

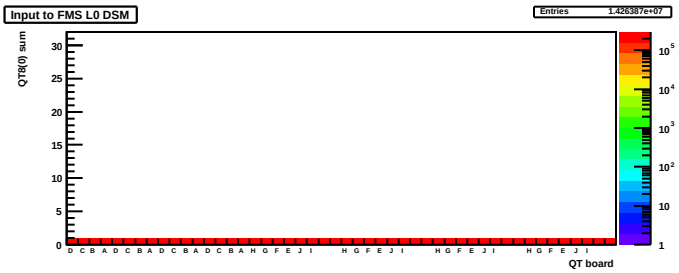

Entries 297164
BBC-L TAC Diff
BCC-S TAC Diff
Entries 297164
BBC-L TAC Diff
VPD TAC Diff
Entries 297164
BBC-L TAC Diff
ZDC TAC Diff
Entries 297164
BBC-S TAC Diff
VPD TAC Diff
Entries 297164
BBC-S TAC Diff
ZDC TAC Diff
Entries 297164
VPD TAC Diff
ZDC TAC Diff

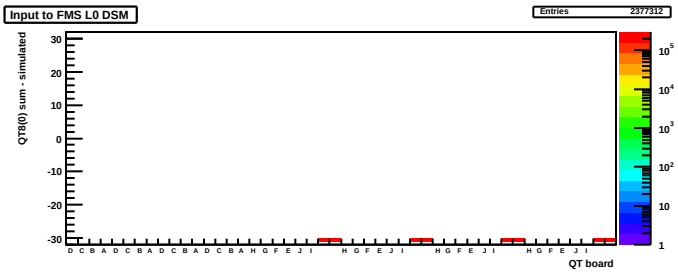

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

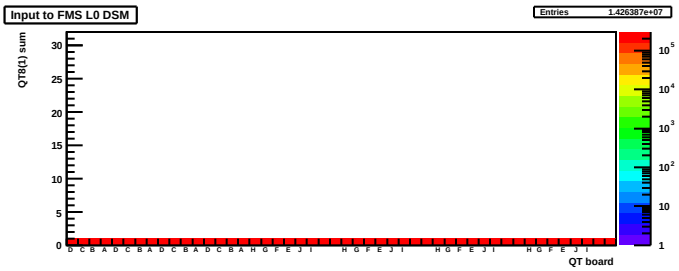

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

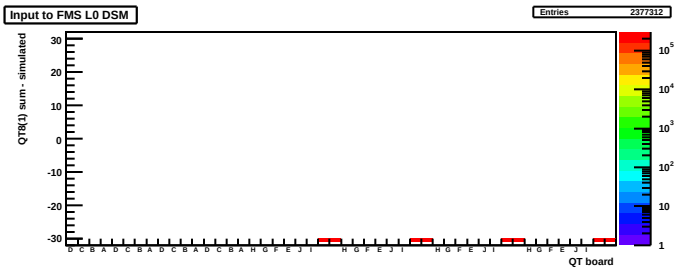

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

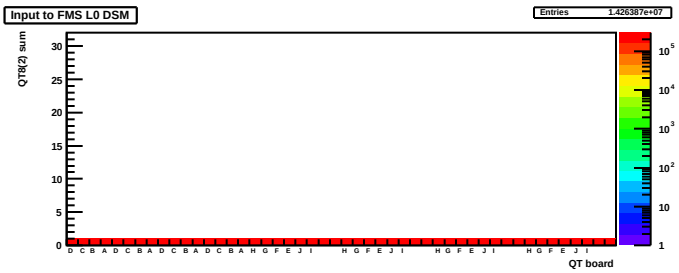

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

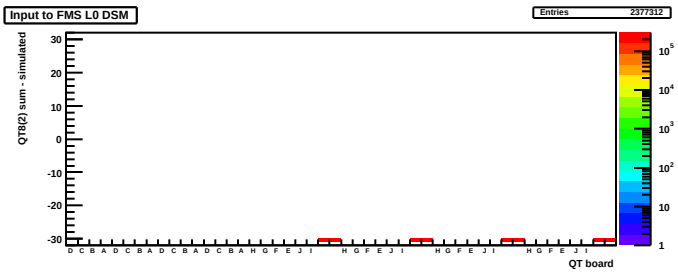

Input to FMS L0 DSM
Entries 1.426387e+07
QT8(0) sum
QT board

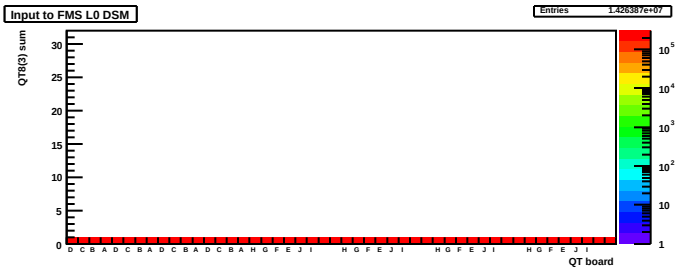

Input to FMS L0 DSM
Entries 2377312
QT8(0) sum - simulated
QT board

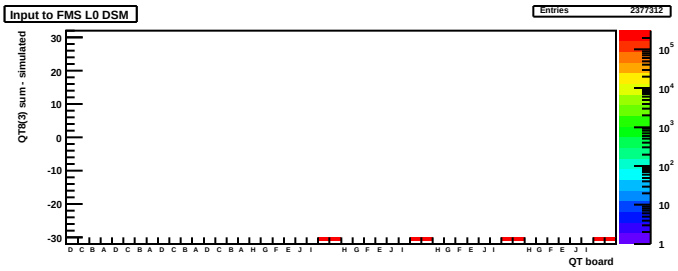

Input to FMS L0 DSM
Entries 1.426387e+07
QT8(1) sum
QT board

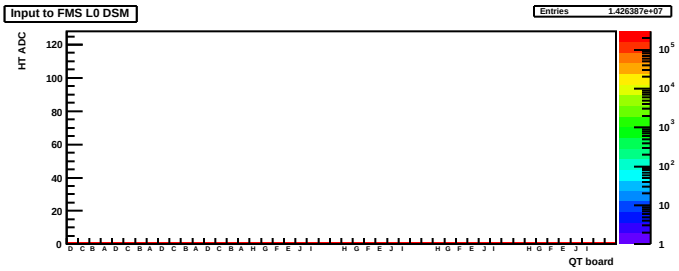

Input to FMS L0 DSM
Entries 2377312
QT8(1) sum - simulated
QT board

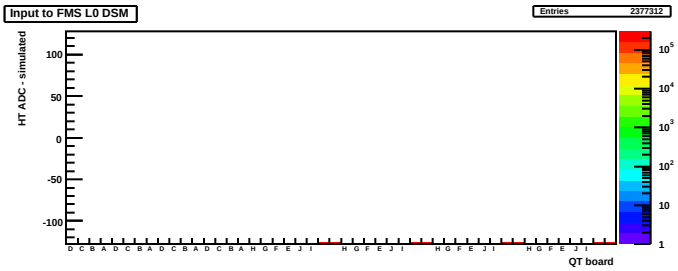

Input to FMS L0 DSM
Entries 1.426387e+07
QT8(2) sum
QT board

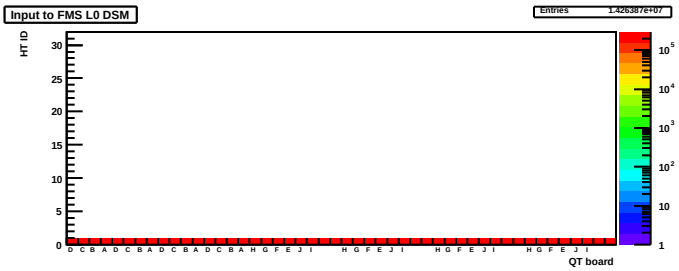

Input to FMS L0 DSM
Entries 2377312
QT8(2) sum - simulated
QT board

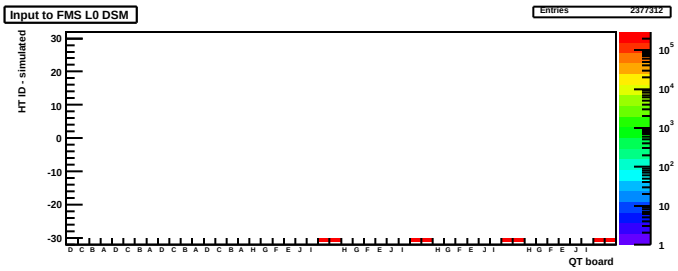

Input to FMS L0 DSM
Entries 1.426387e+07
QT8(3) sum
QT board

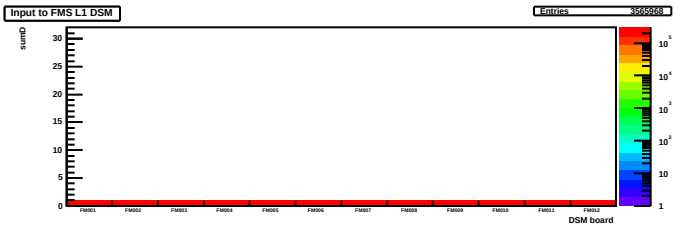

Input to FMS L0 DSM
Entries 2377312
QT8(3) sum - simulated
QT board

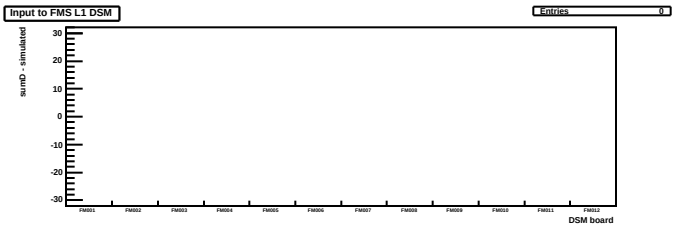

Input to FMS L0 DSM
Entries 1.426387e+07
HT ADC
QT board

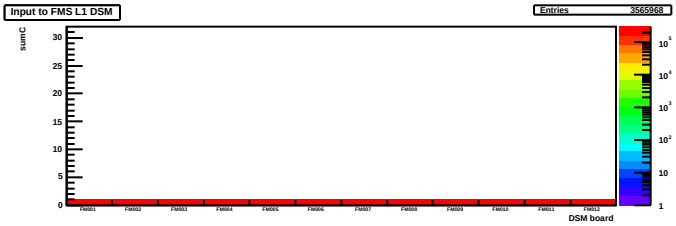

Input to FMS L0 DSM
Entries 2377312
HT ADC - simulated
QT board

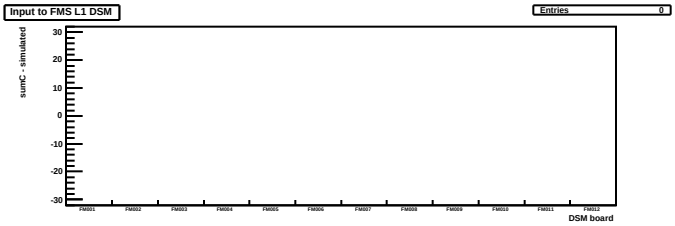

Input to FMS L0 DSM
Entries 1.426387e+07
HT ID
QT board

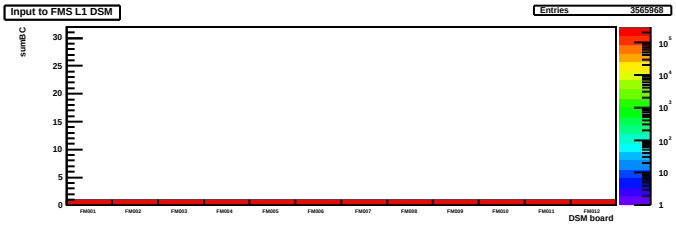

Input to FMS L0 DSM
Entries 2377312
HT ID - simulated
QT board

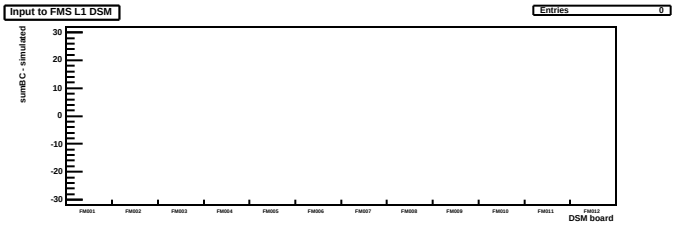

Input to FMS L1 DSM
Entries 3565968
sumD
DSM board

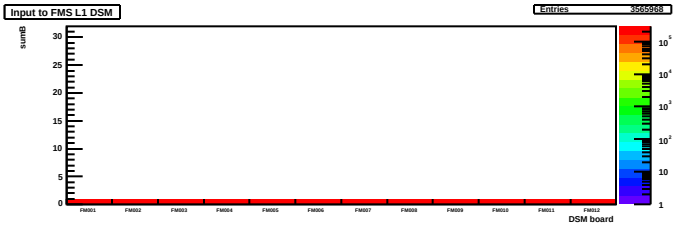

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

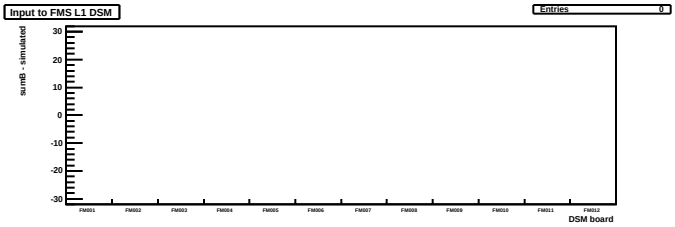

Input to FMS L1 DSM
Entries 3565968
sumC
DSM board

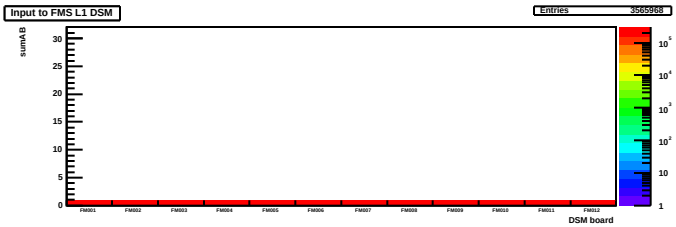

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

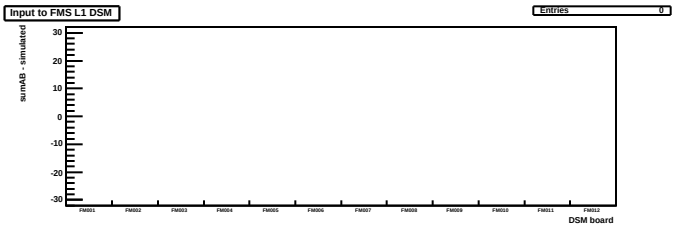

Input to FMS L1 DSM
Entries 3565968
sumBC
DSM board

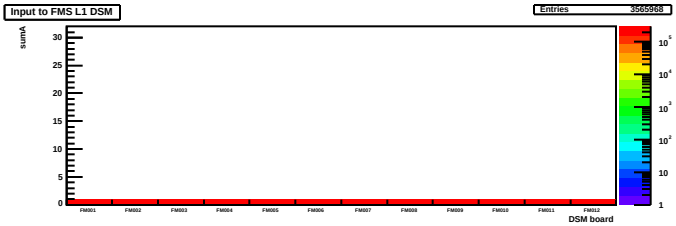

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

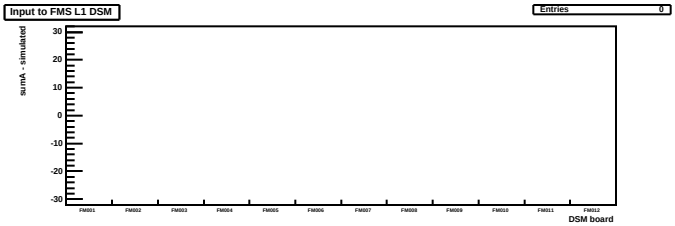

Input to FMS L1 DSM
Entries 3565968
sumB
DSM board

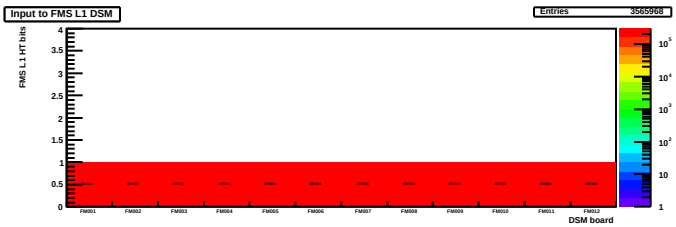

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

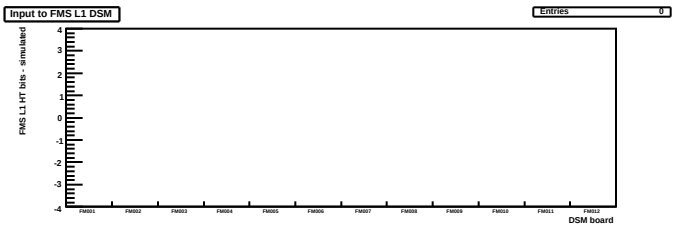

Input to FMS L1 DSM
Entries 3565968
sumAB
DSM board

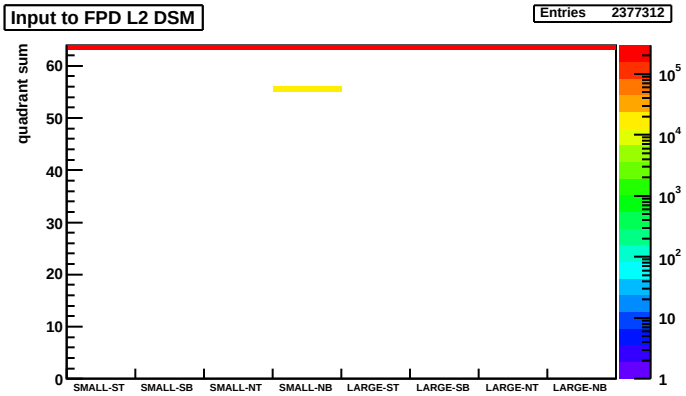

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

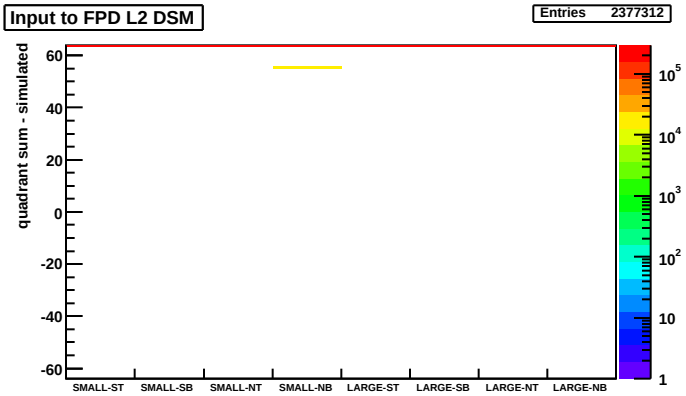

Input to FMS L1 DSM
Entries 3565968
sumA
DSM board

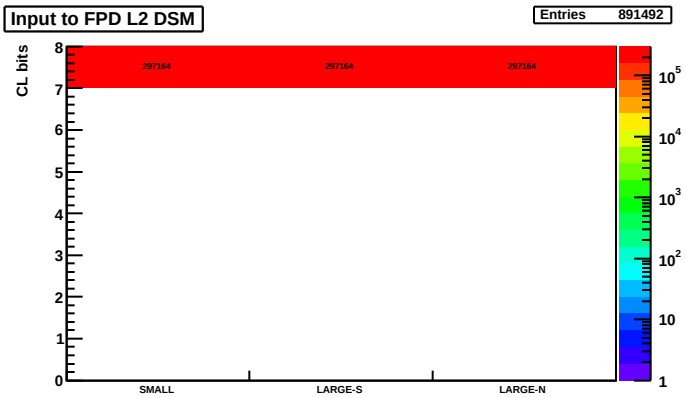

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

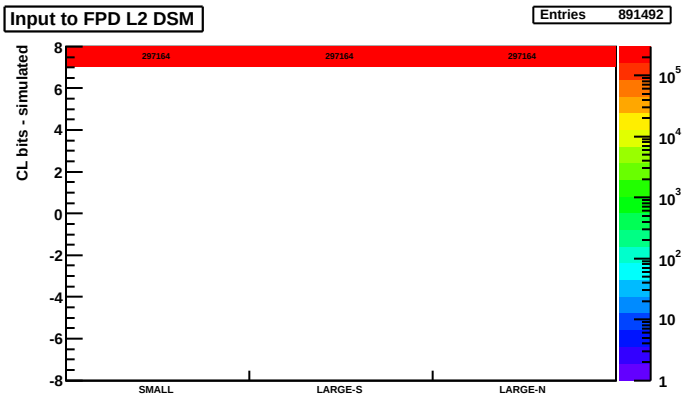

Input to FMS L1 DSM
Entries 3565968
FMS L1 HT bits
DSM board

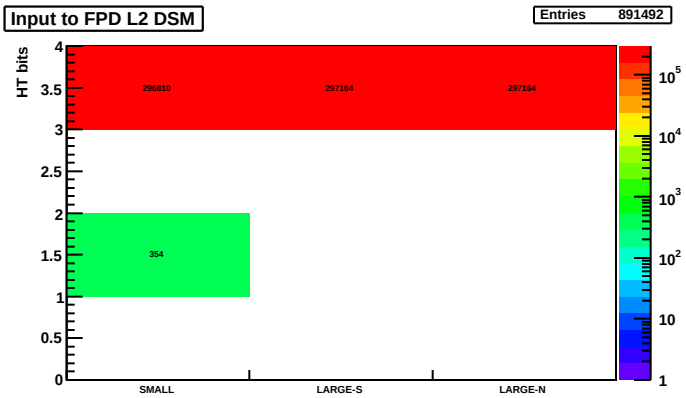

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

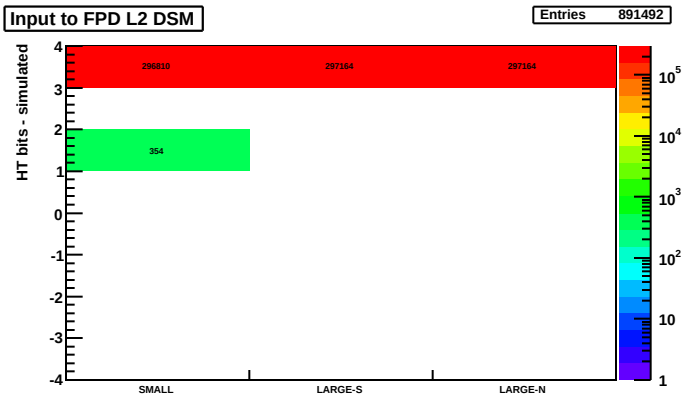

Input to FPD L2 DSM
Entries 2377312
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

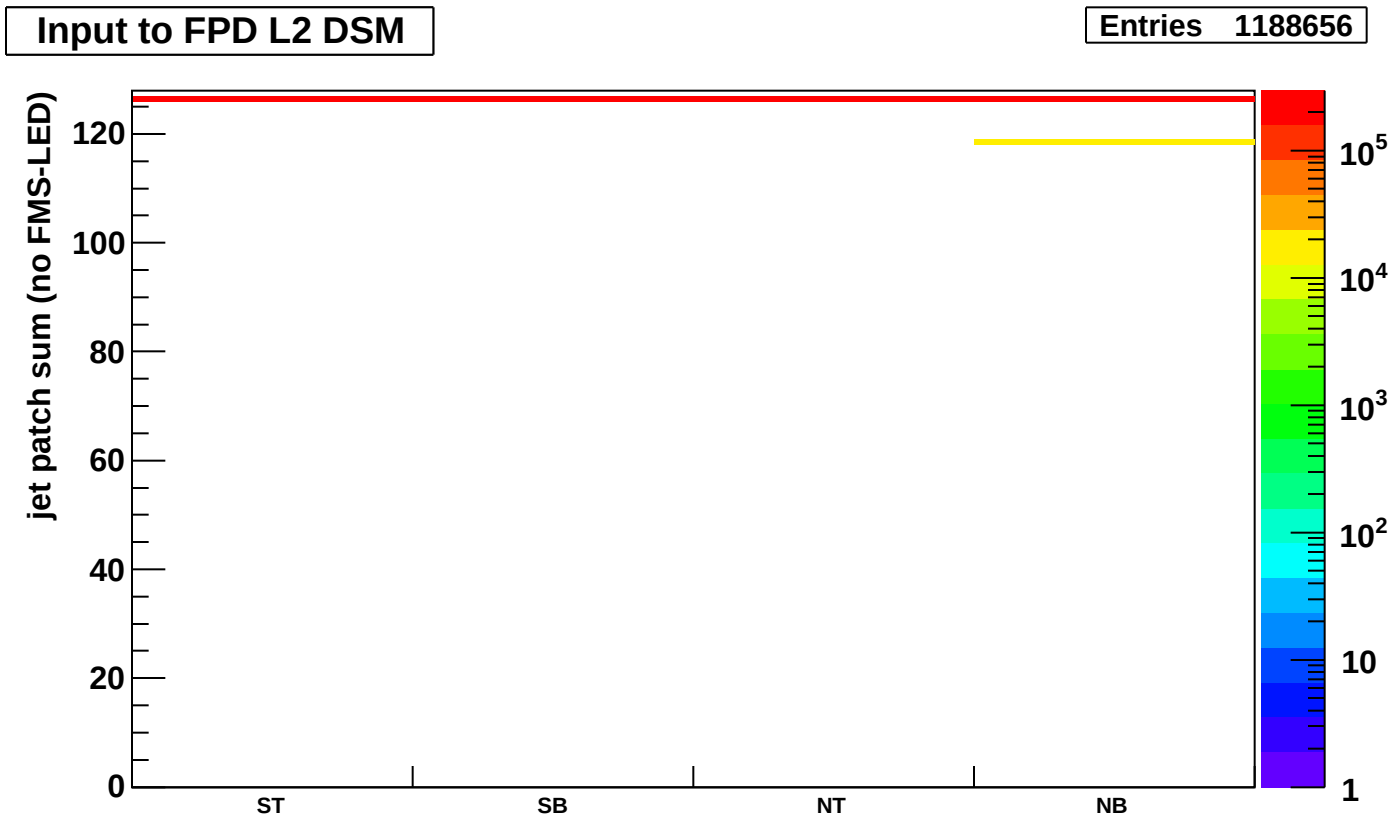

Input to FPD L2 DSM
Entries 2377312
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

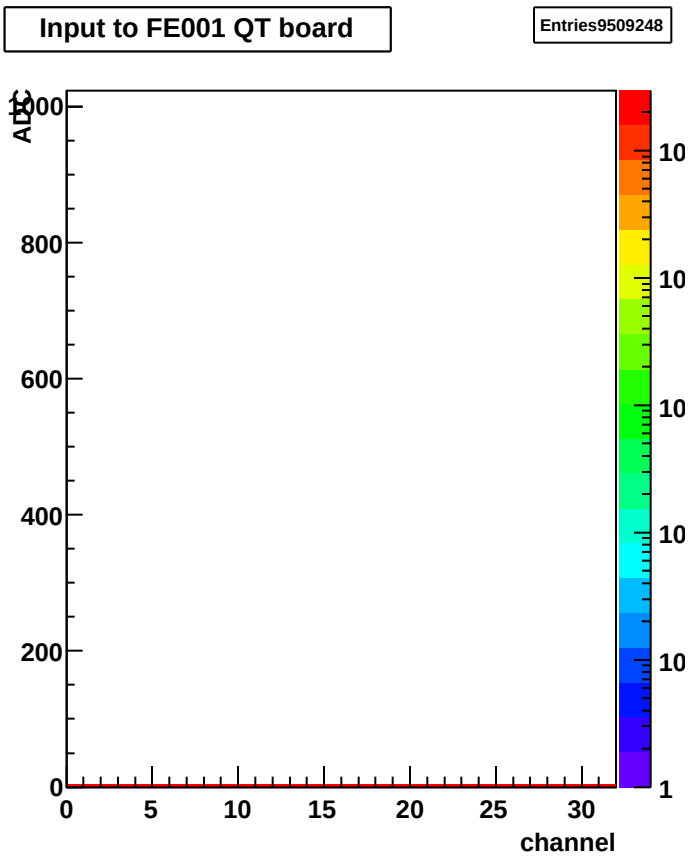

Input to FPD L2 DSM
Entries 891492
CL bits
297164
297164
297164
SMALL
LARGE-S
LARGE-N

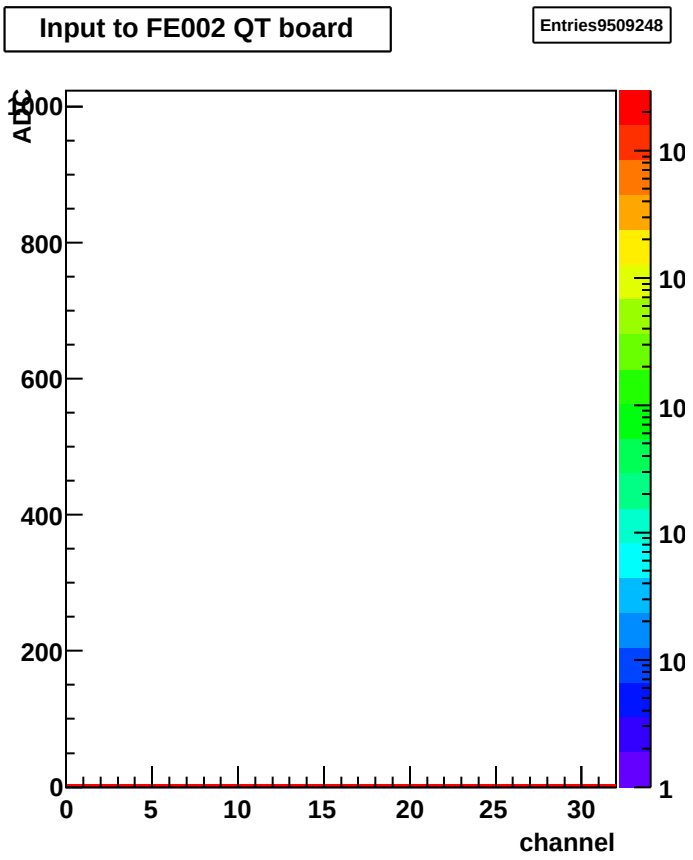

Input to FPD L2 DSM
Entries 891492
CL bits - simulated
297164
297164
297164
SMALL
LARGE-S
LARGE-N

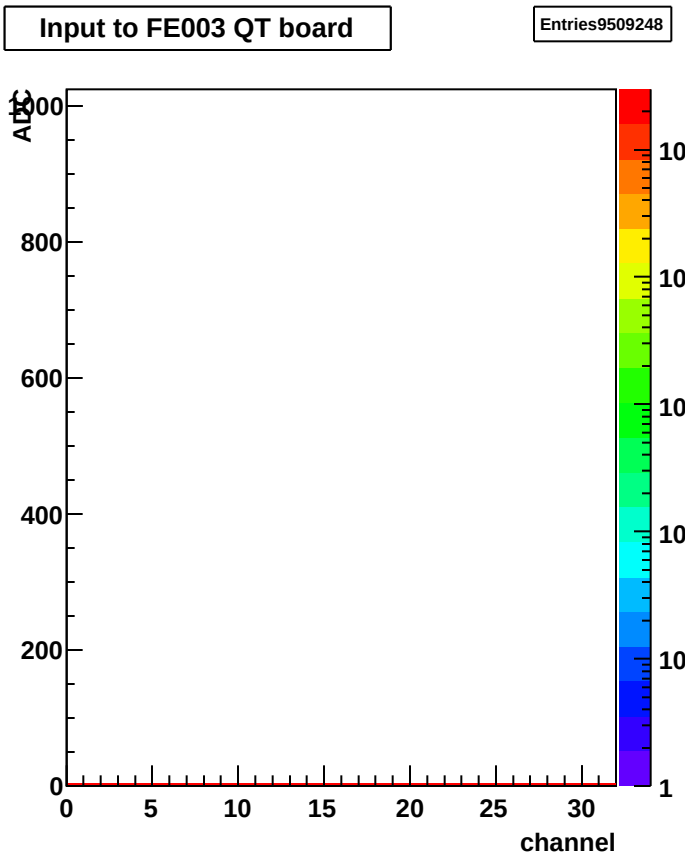

Input to FPD L2 DSM
Entries 891492
HT bits
296810
297164
297164
354
SMALL
LARGE-S
LARGE-N

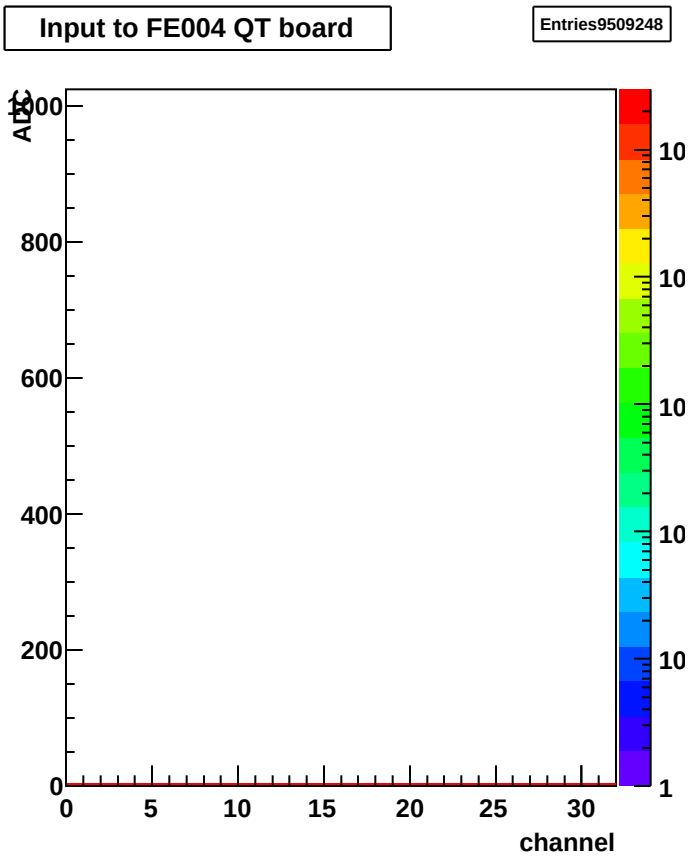

Input to FPD L2 DSM
Entries 891492
HT bits - simulated
296810
297164
297164
354
SMALL
LARGE-S
LARGE-N

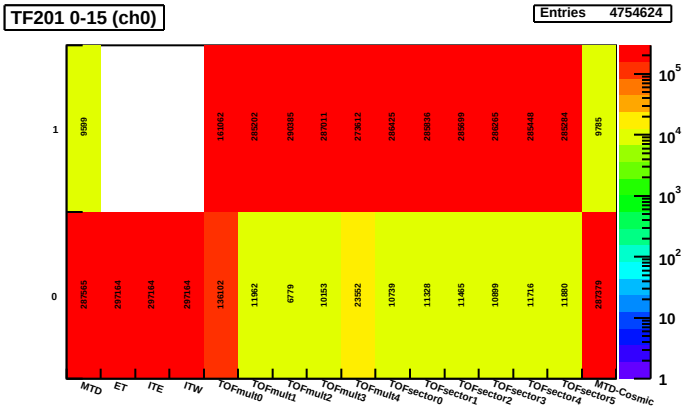

Input to FPD L2 DSM
Entries 1188656
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

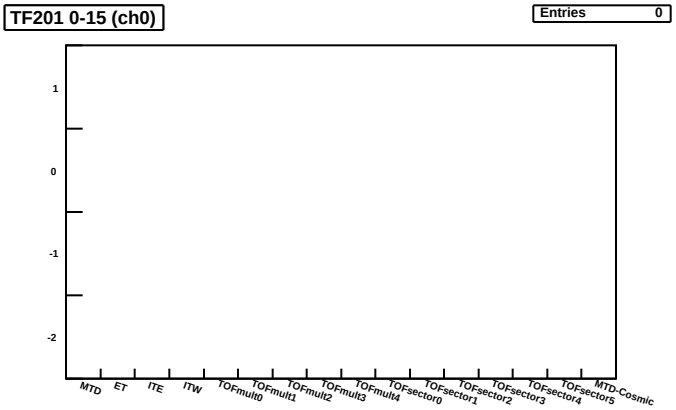

Input to FE001 QT board
Entries9509248
ADC
channel

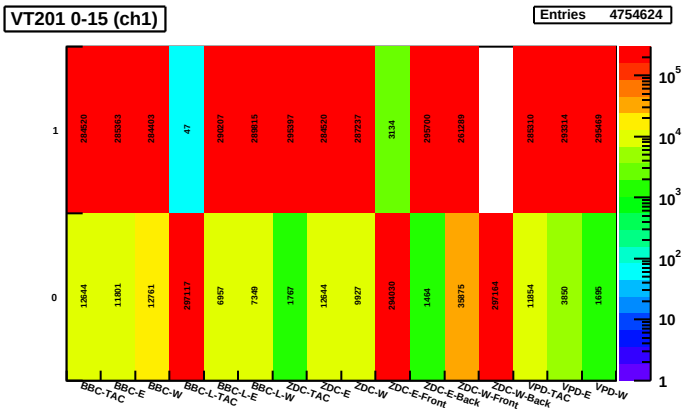

Input to FE002 QT board
Entries9509248
ADC
channel

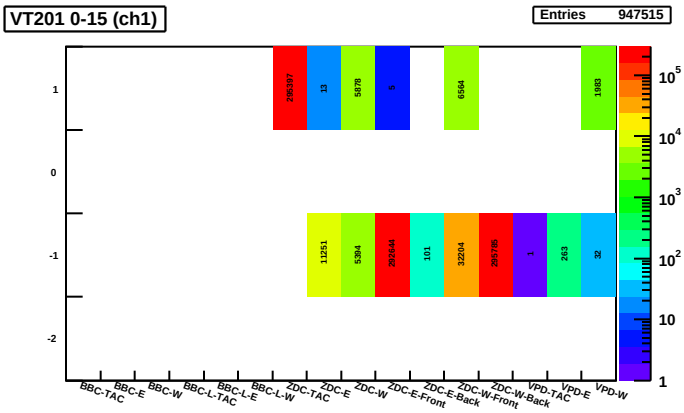

Input to FE003 QT board
Entries9509248
ADC
channel

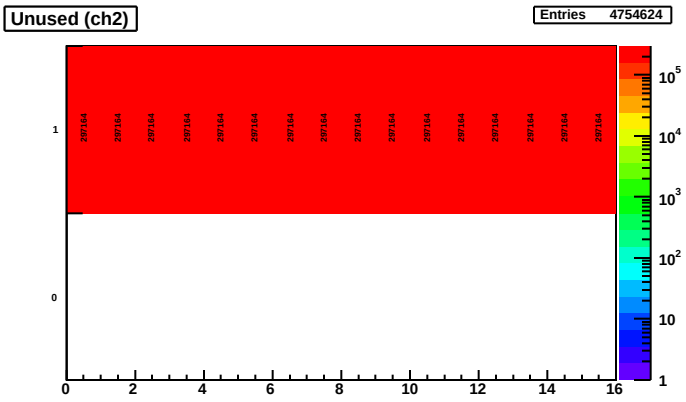

Input to FE004 QT board
Entries9509248
ADC
channel

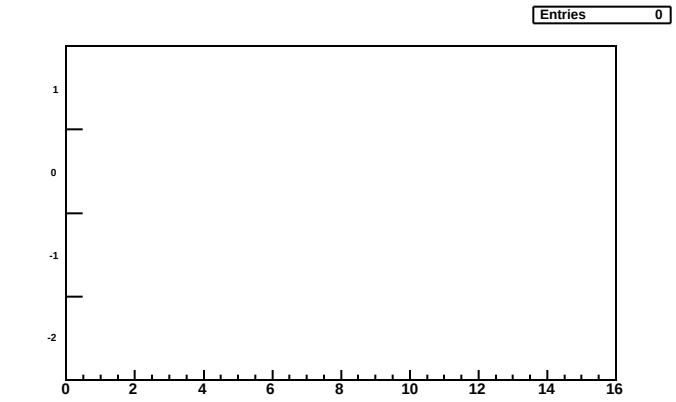

TF201 0-15 (ch0)
Entries 4754624
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

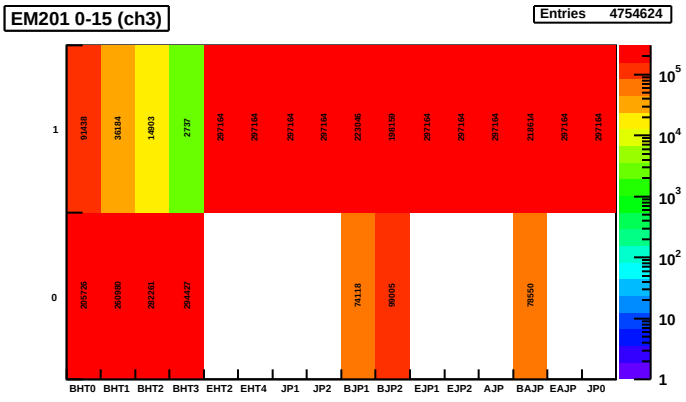

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

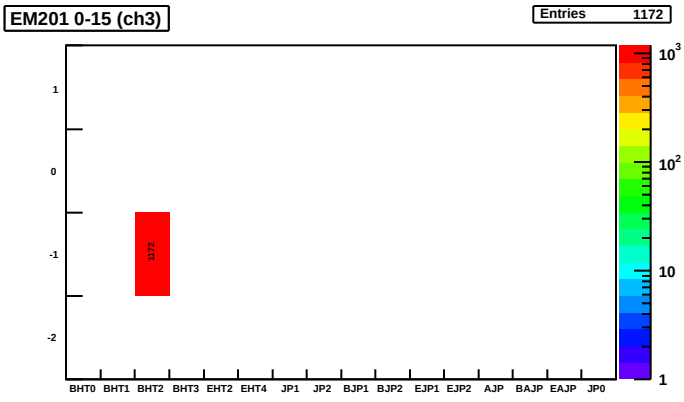

VT201 0-15 (ch1)
Entries 4754624
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 947515
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

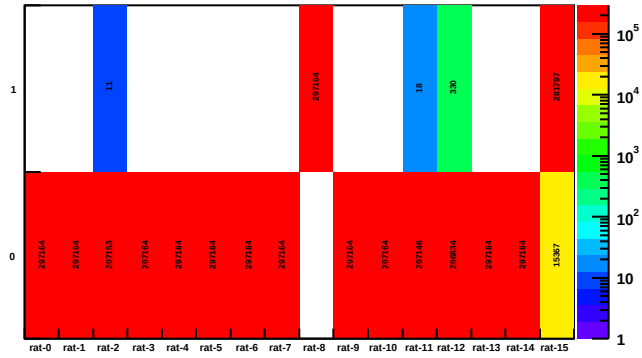

Unused (ch2)
Entries 4754624

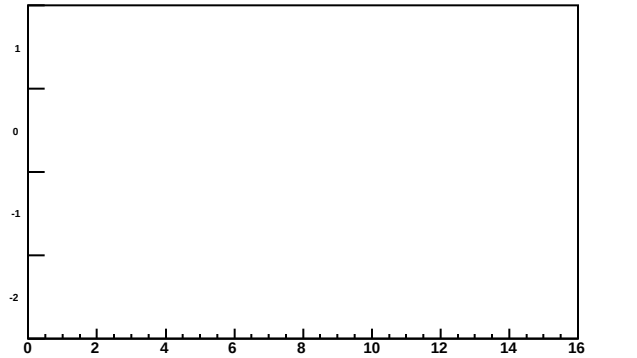

Entries 0


EM201 0-15 (ch3)
Entries 4754624
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

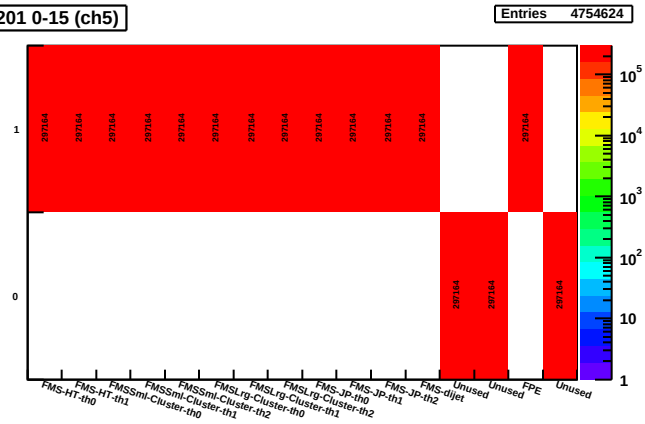

EM201 0-15 (ch3)
Entries 1172
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

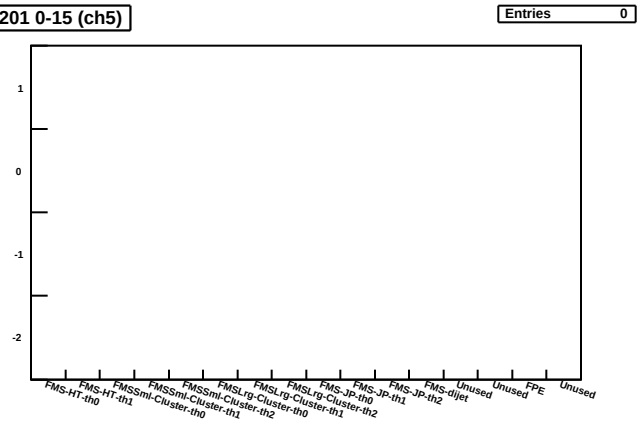




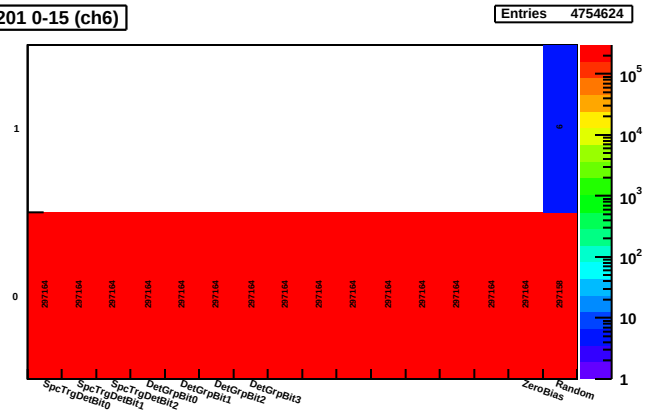
FP201 0-15 (ch5)

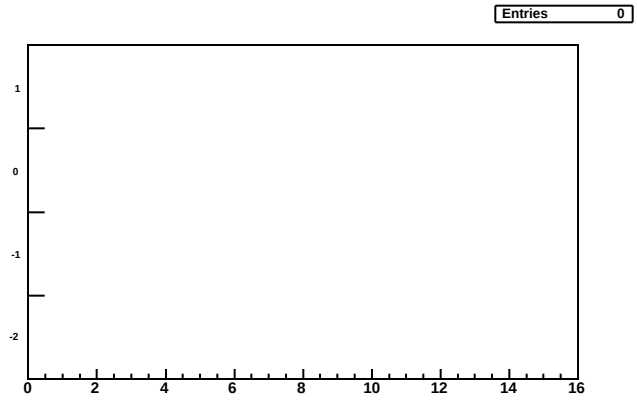
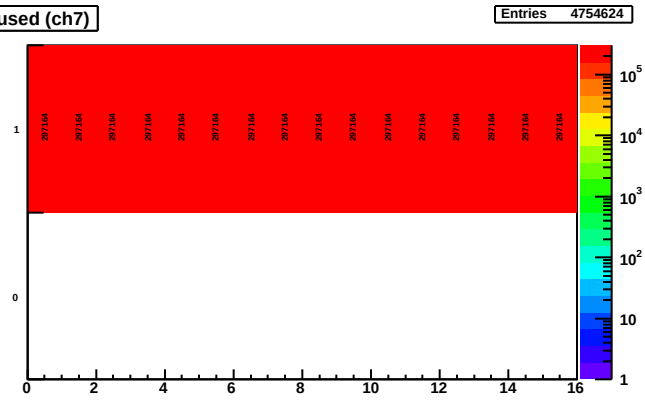
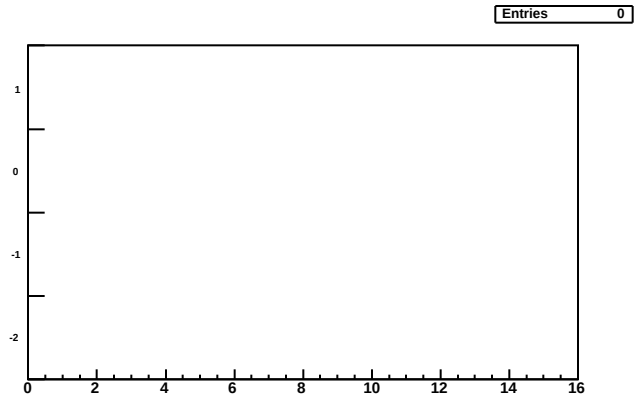


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)