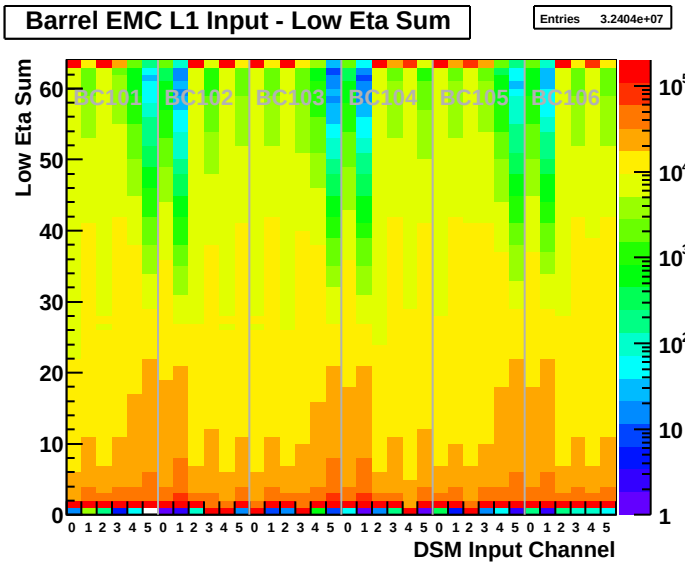
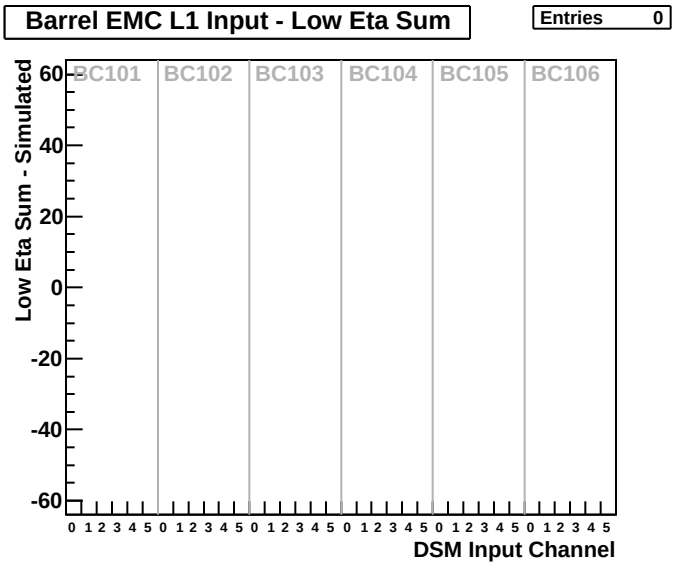
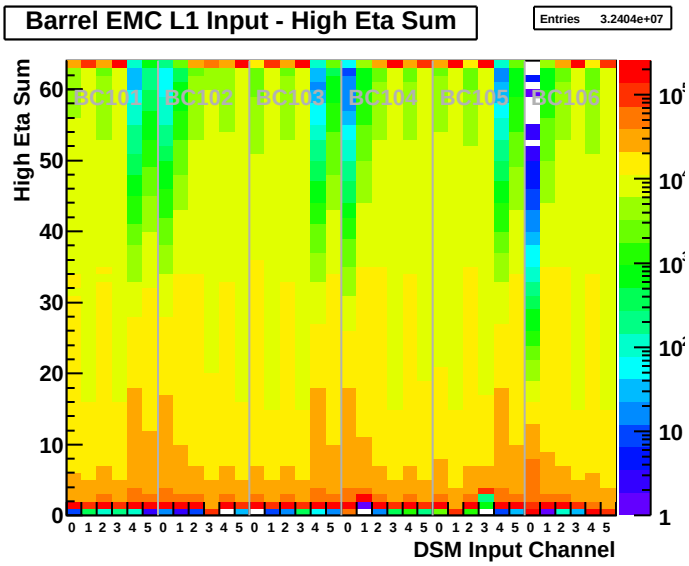
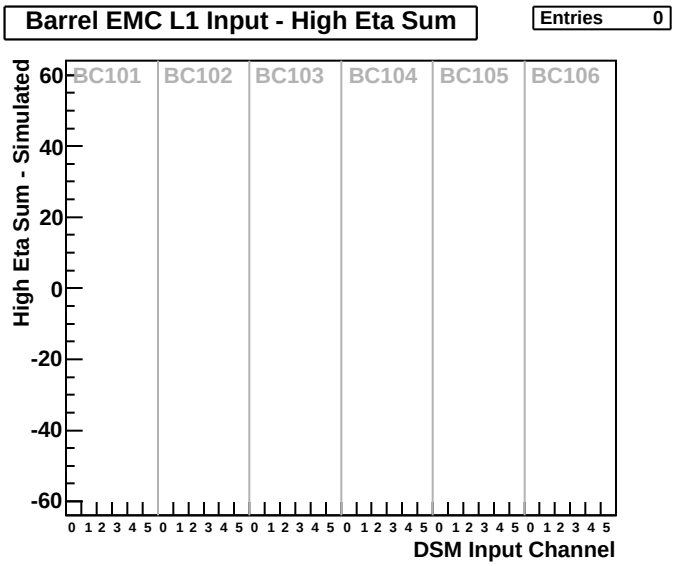
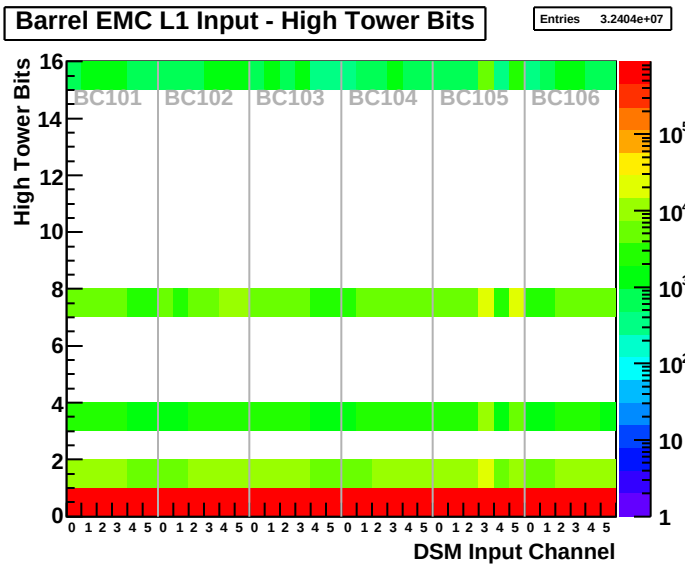
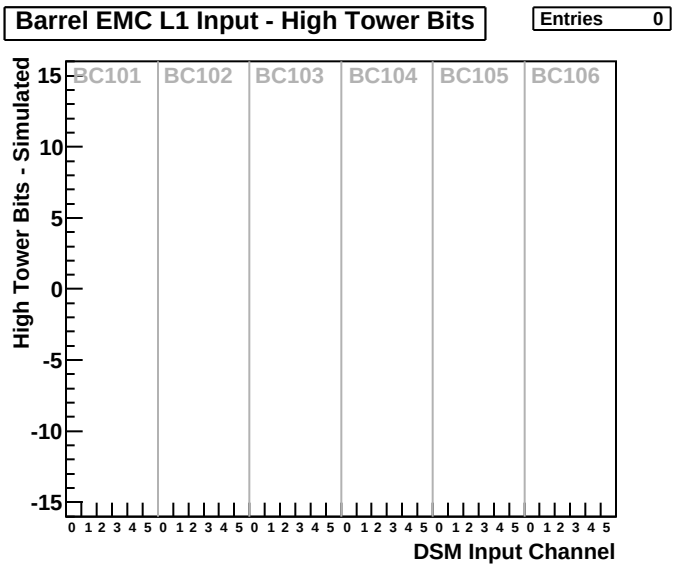

Barrel EMC L1 Input - Low Eta Sum
Entries 3.2404e+07
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

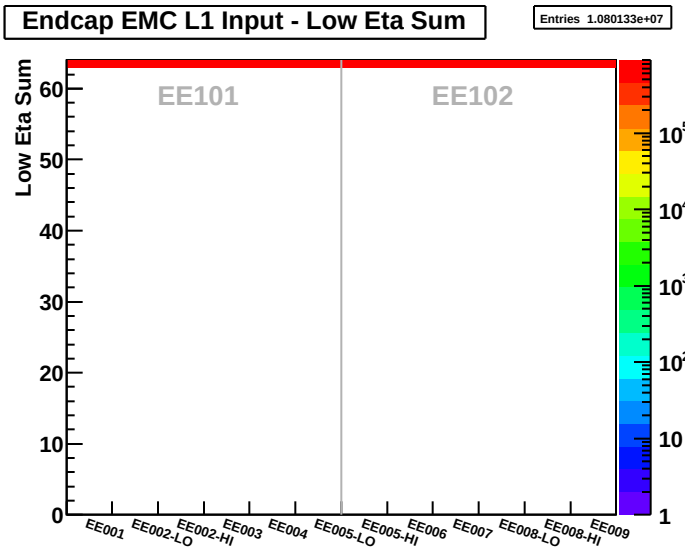

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

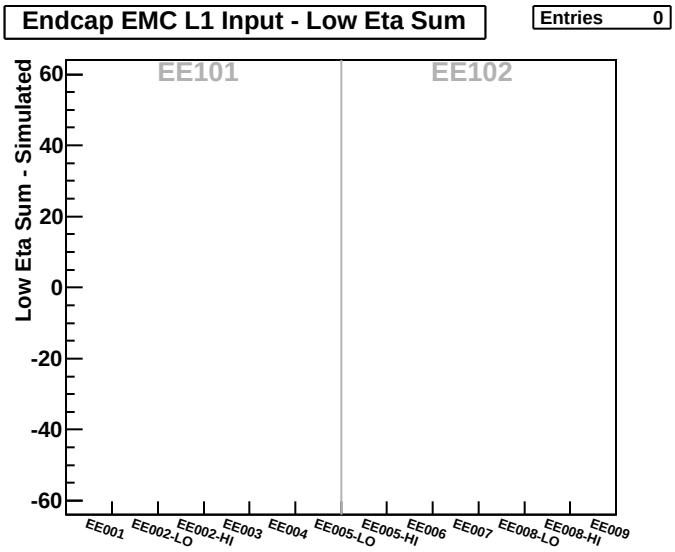

Barrel EMC L1 Input - High Eta Sum
Entries 3.2404e+07
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

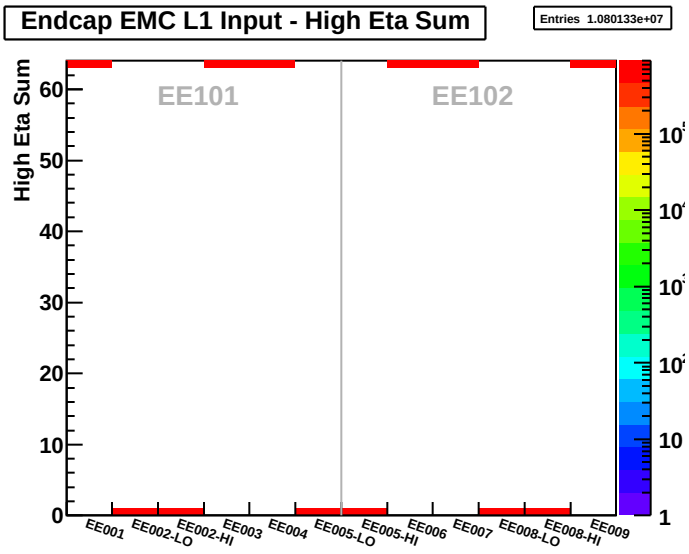

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

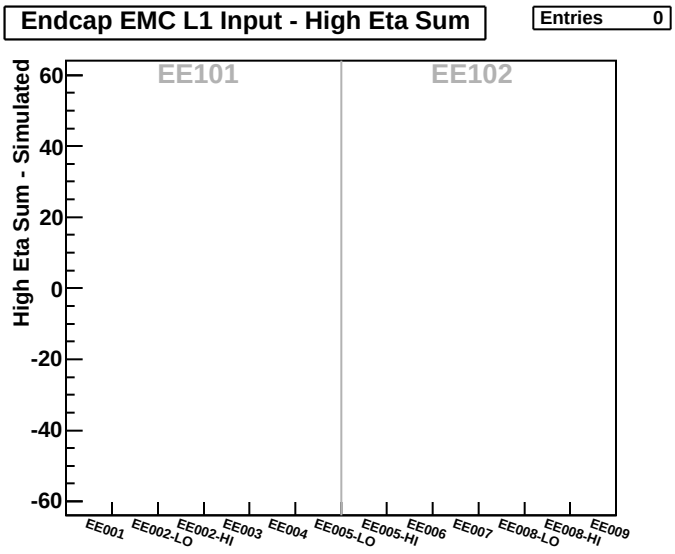

Barrel EMC L1 Input - High Tower Bits
Entries 3.2404e+07
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

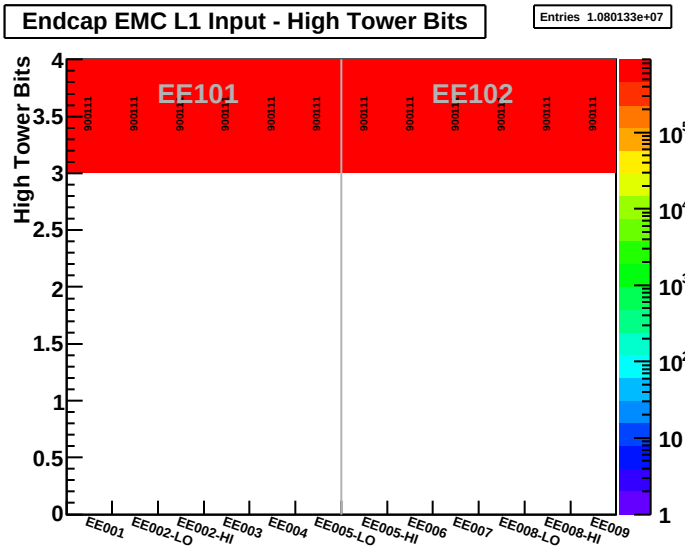

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

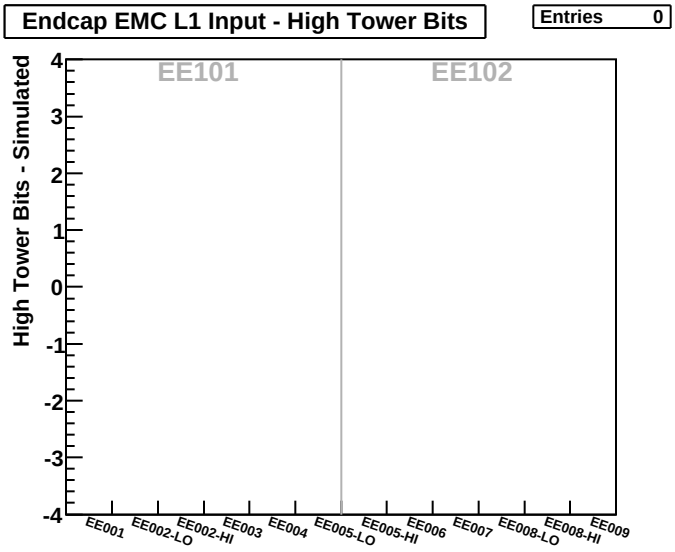

Endcap EMC L1 Input - Low Eta Sum
Entries 1.080133e+07
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

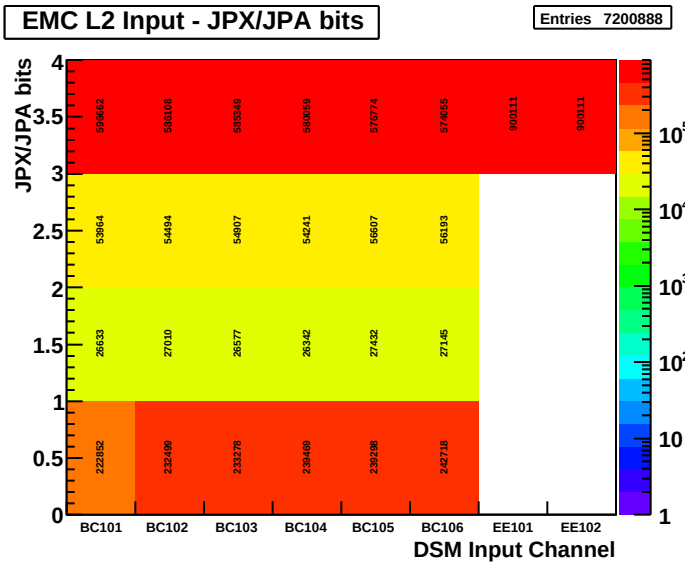

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

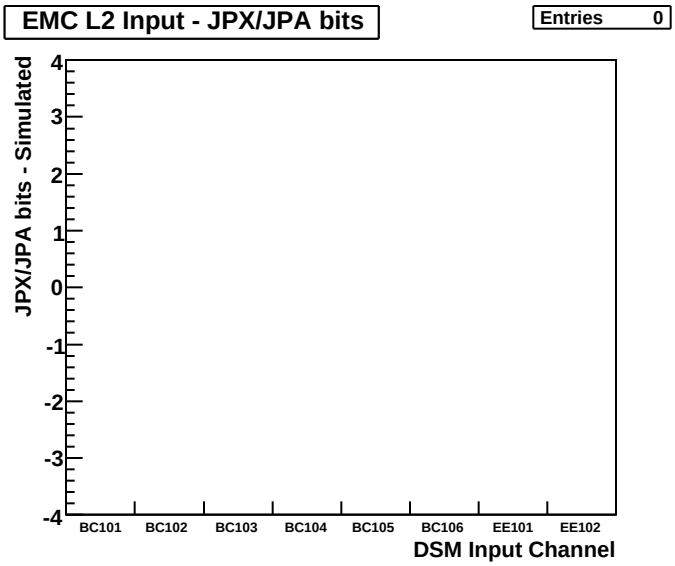

Endcap EMC L1 Input - High Eta Sum
Entries 1.080133e+07
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

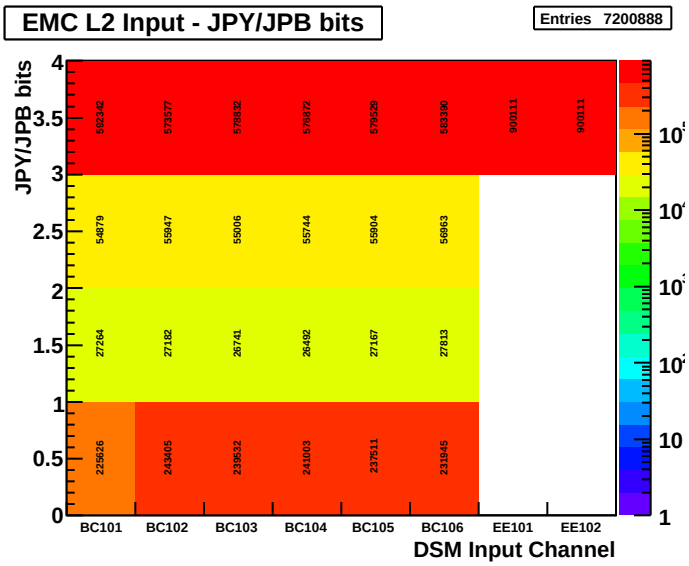

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

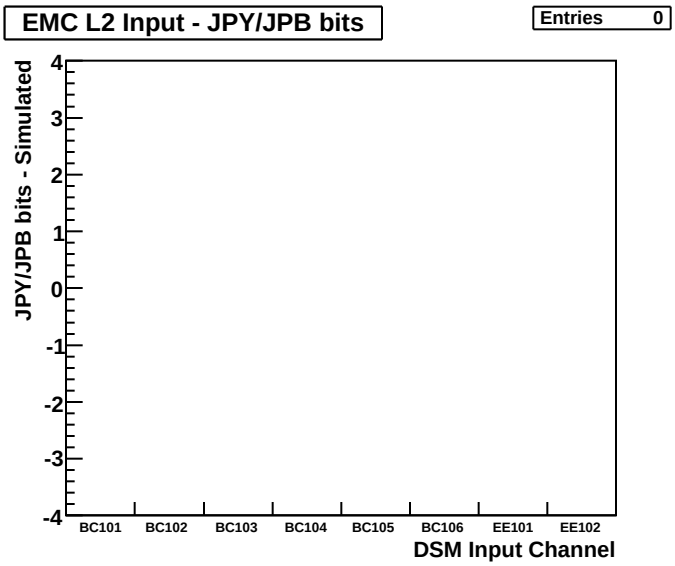

Endcap EMC L1 Input - High Tower Bits
Entries 1.080133e+07
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

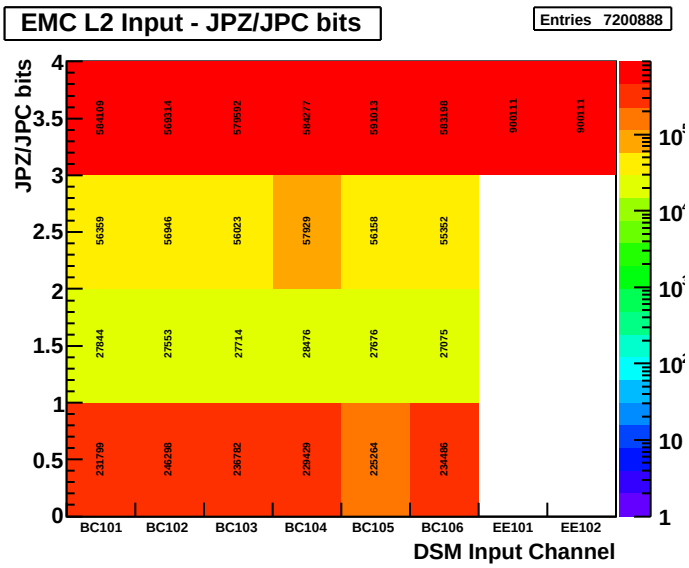

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

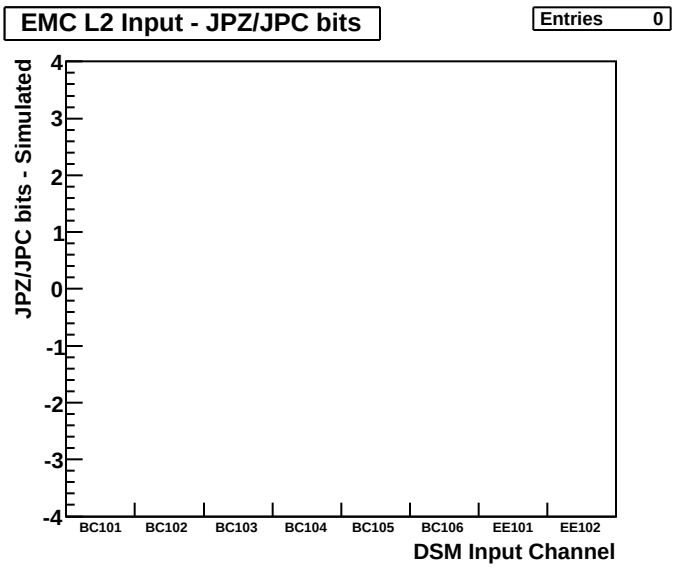

EMC L2 Input - JPX/JPA bits
Entries 7200888
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
596662 586108 585349 580059 576774 574055 900111 900111
53964 54494 54907 54241 56607 56193
26633 27010 26577 26342 27432 27145
222852 232499 232278 230469 239298 242718

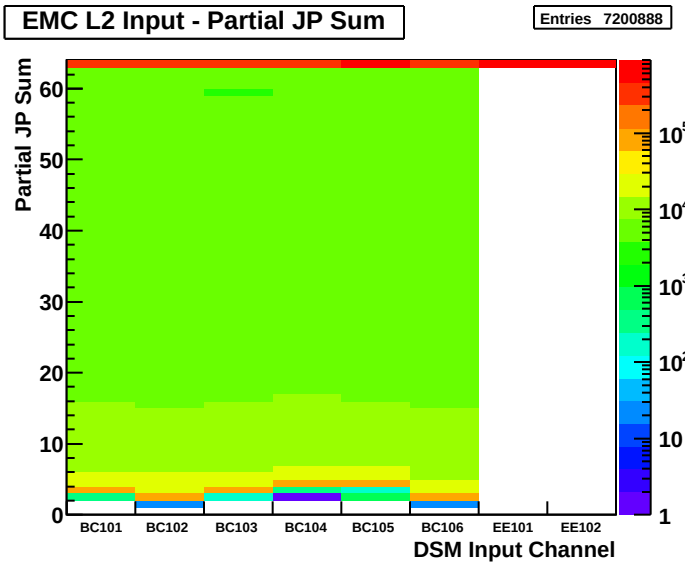

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

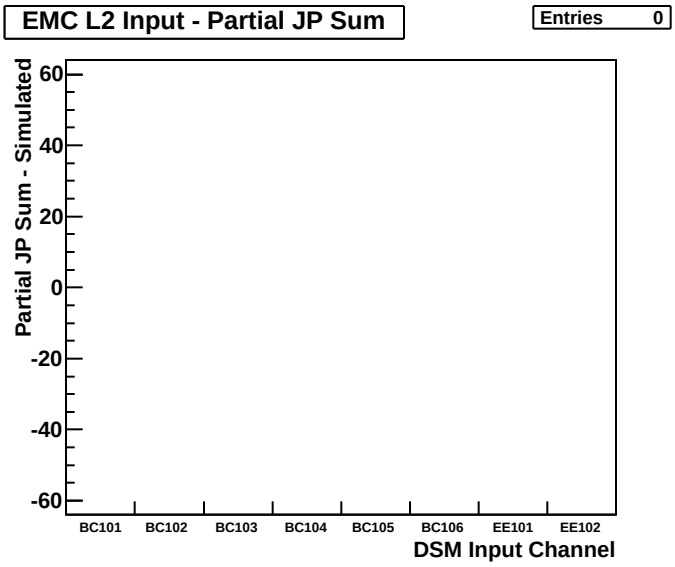

EMC L2 Input - JPY/JPB bits
Entries 7200888
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
582342 573577 578832 576822 579529 583390 900111 900111
54879 55947 55006 55744 55904 56963
27264 27182 26741 26492 27167 27813
225626 243405 239532 241003 237511 231945

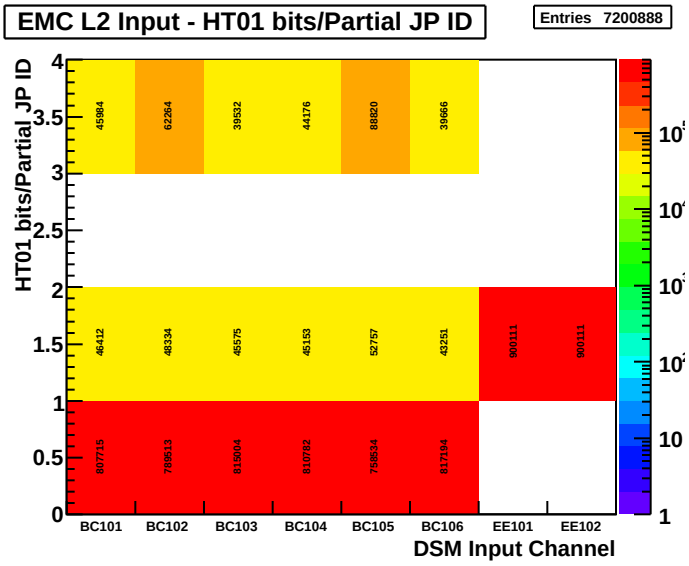

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

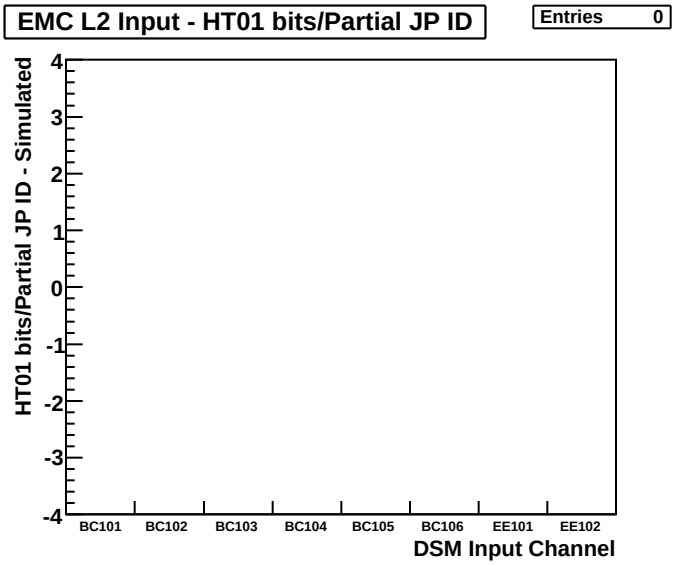

EMC L2 Input - JPZ/JPC bits
Entries 7200888
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
584109 568314 570592 584277 591013 583198 900111 900111
56359 56946 56023 57929 56158 55352
27844 27553 27714 28476 27676 27075
231799 246298 236782 229429 225264 234486

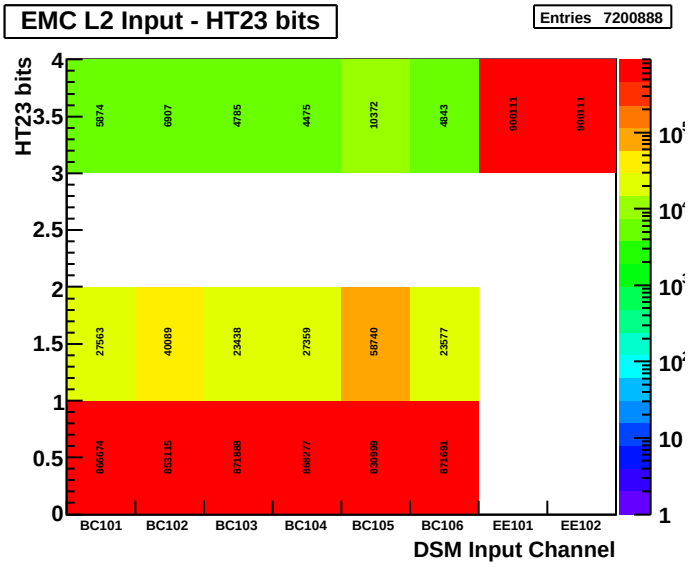

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

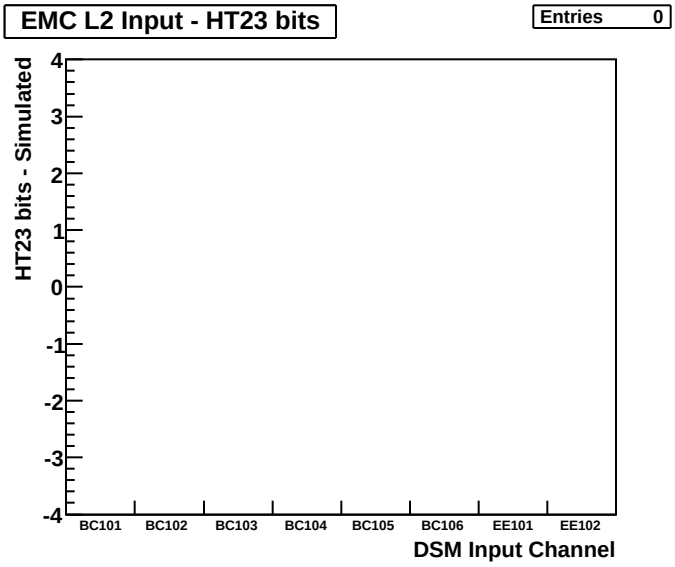

EMC L2 Input - Partial JP Sum
Entries 7200888
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

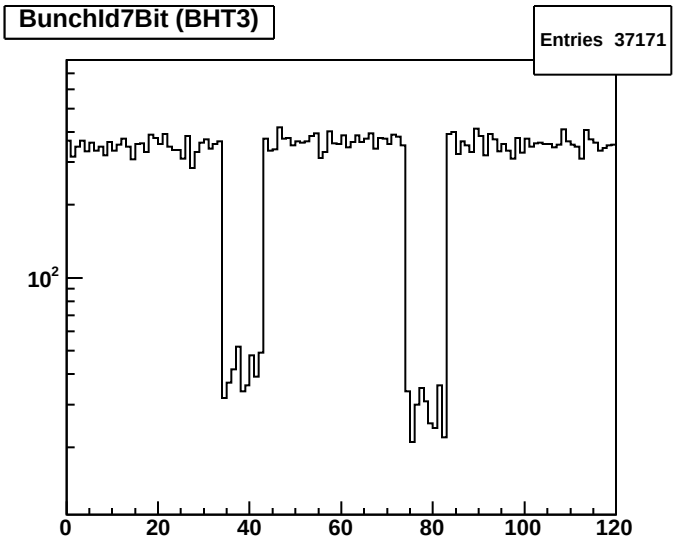

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

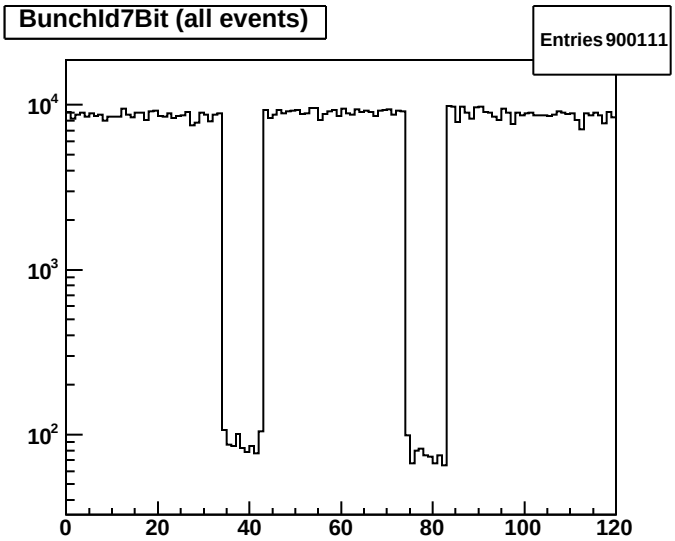

EMC L2 Input - HT01 bits/Partial JP ID
Entries 7200888
HT01 bits/Partial JP ID
45984 62264 39532 44176 88820 39666
46412 48334 45575 45153 52757 43251 900111 900111
807715 788513 815004 810782 759534 817194
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

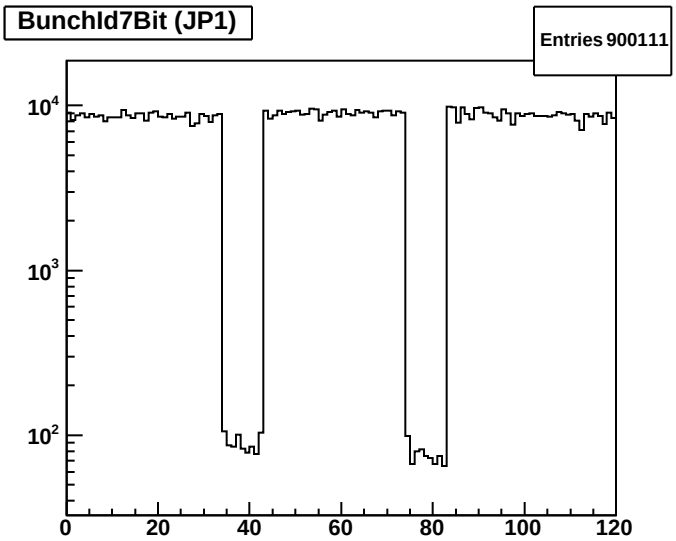

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

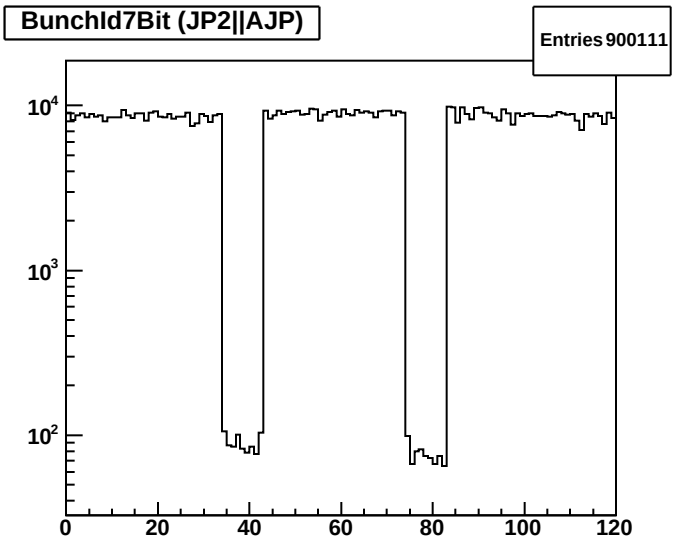

EMC L2 Input - HT23 bits
Entries 7200888
HT23 bits
5874 6907 4785 4475 10372 4843 900111 900111
27563 40089 23438 27359 58740 23577
866574 853115 871880 868277 830999 871691
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

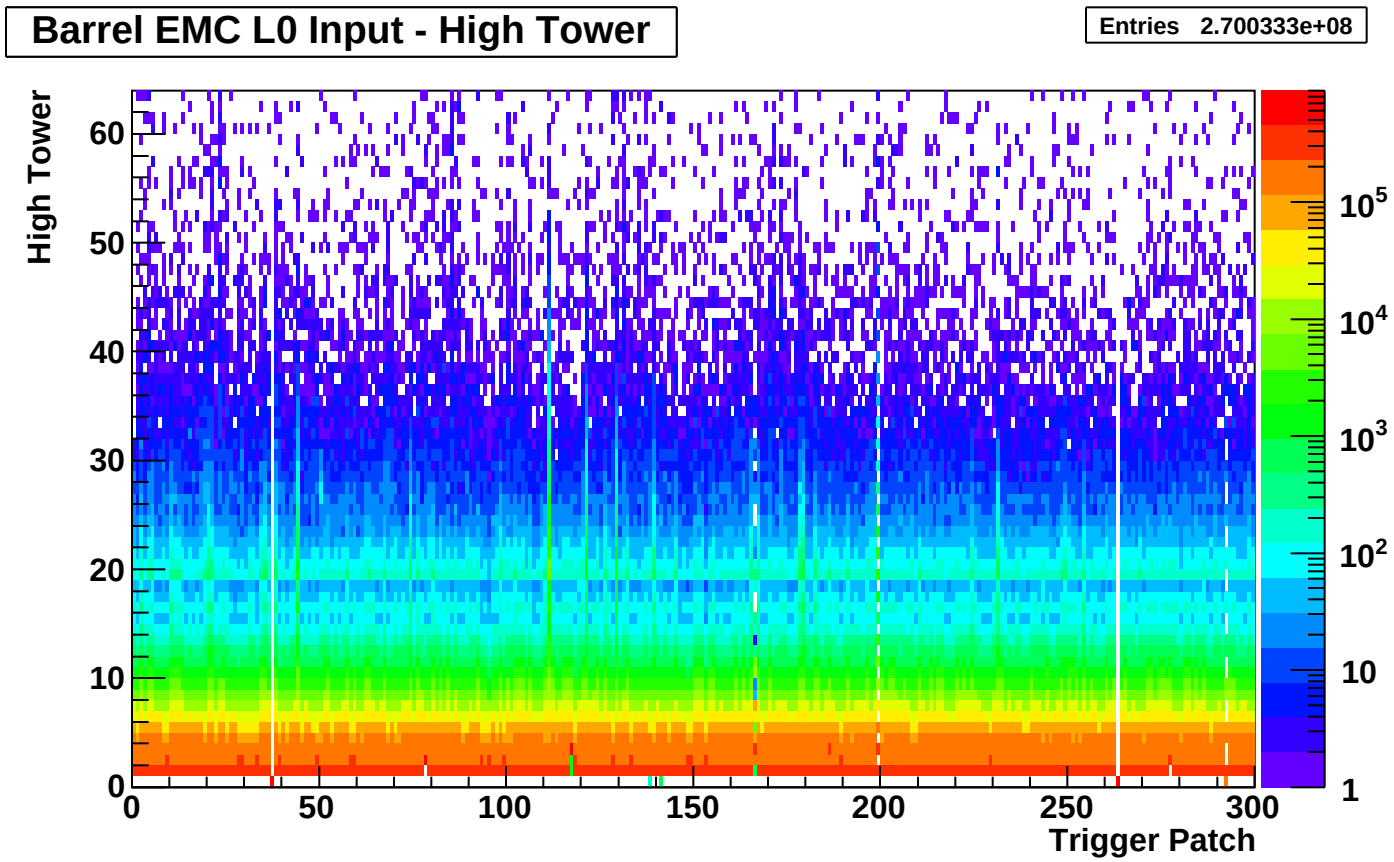

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

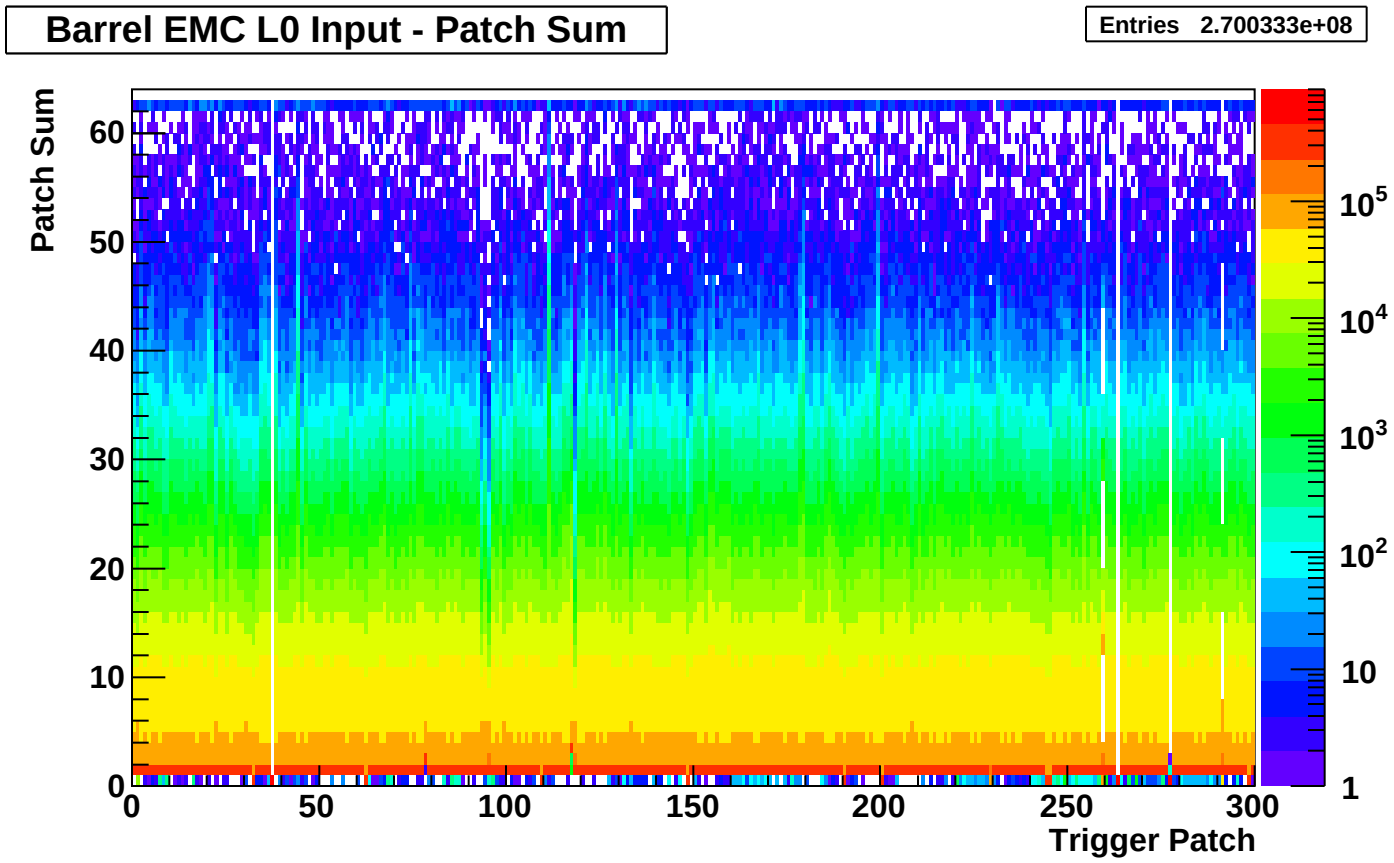

BunchId7Bit (BHT3)
Entries 37171
10^2
0
20
40
60
80
100
120

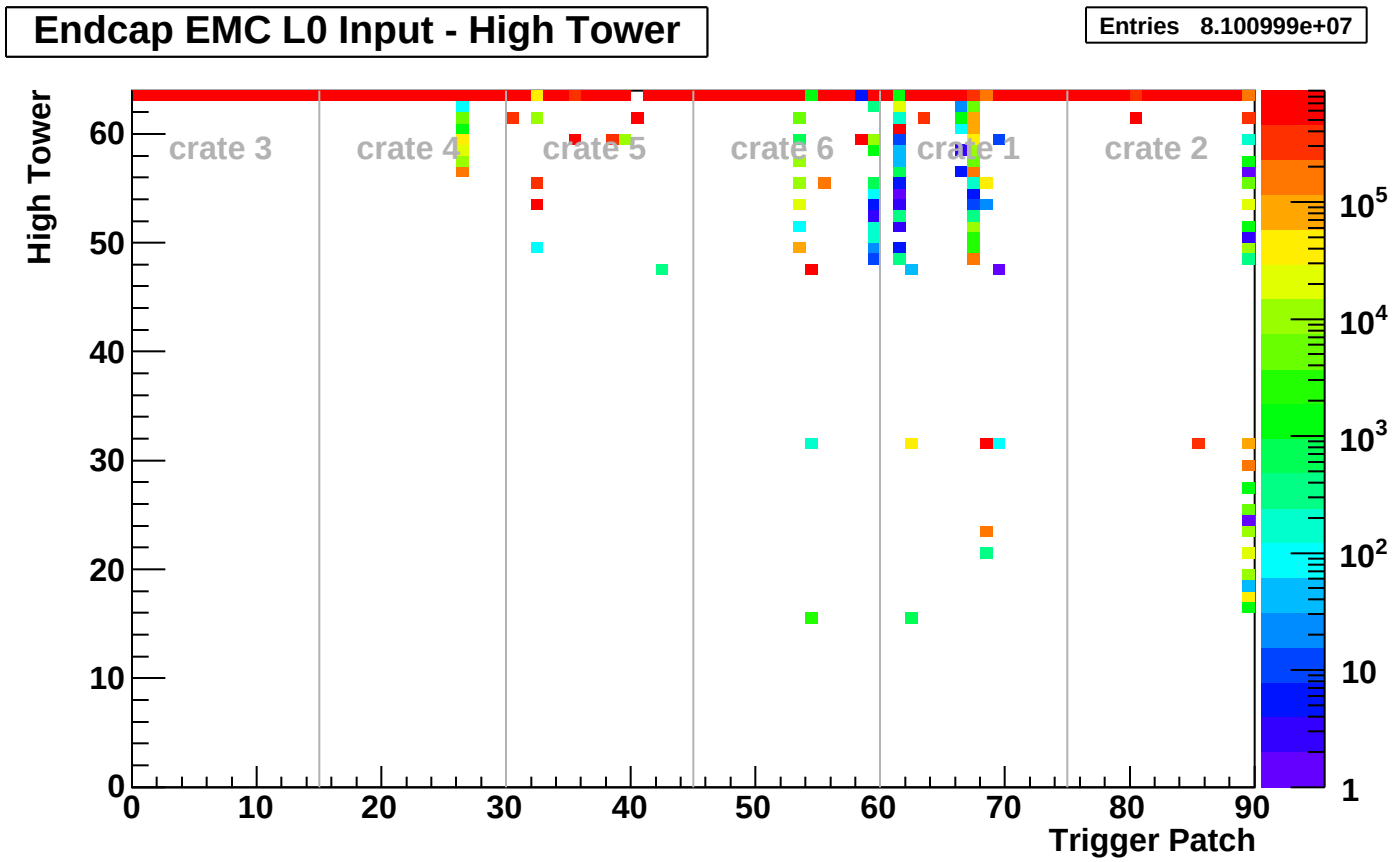

BunchId7Bit (all events)
Entries 900111
10^4
10^3
10^2
0
20
40
60
80
100
120

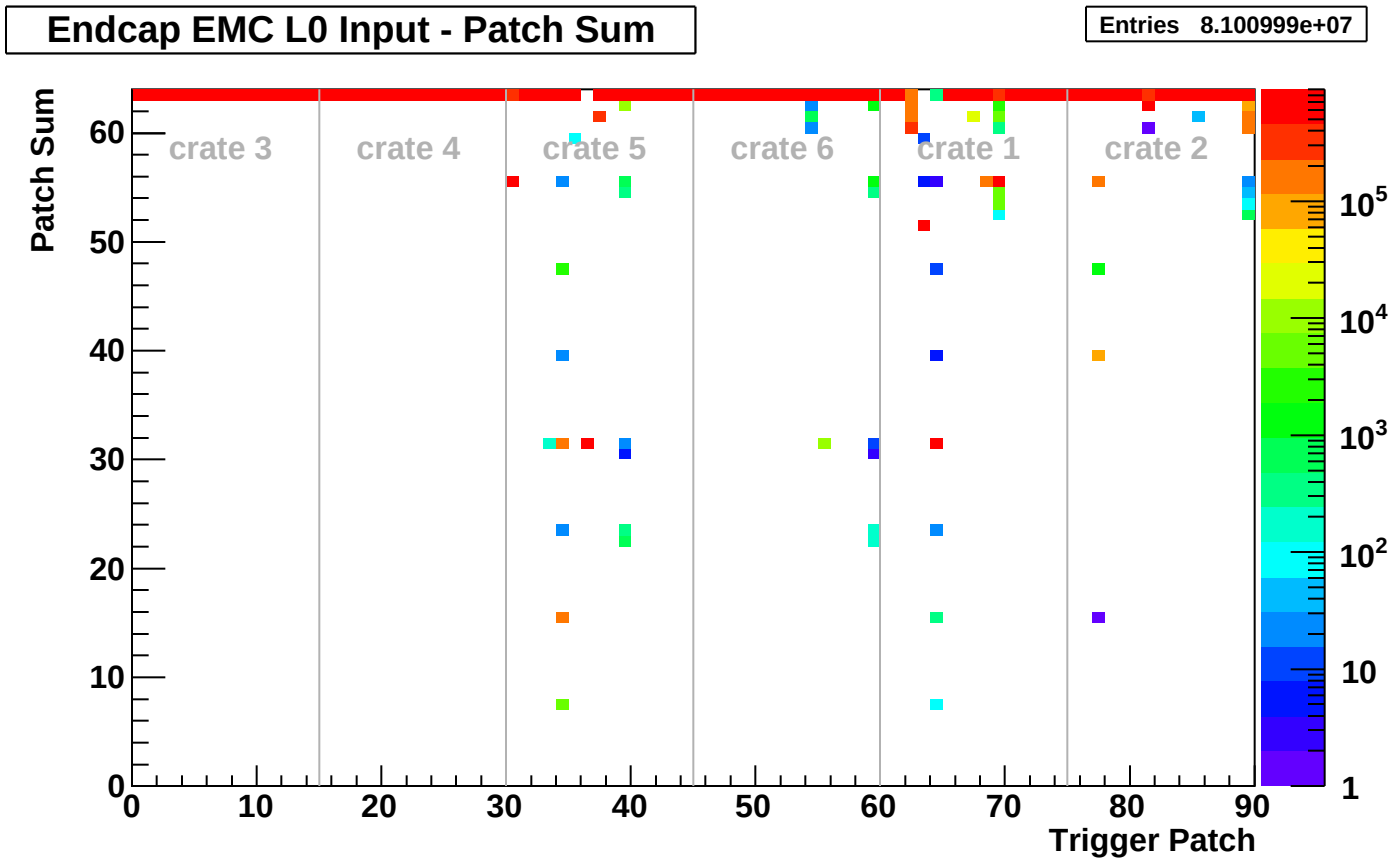

BunchId7Bit (JP1)
Entries 900111
10^4
10^3
10^2
0
20
40
60
80
100
120

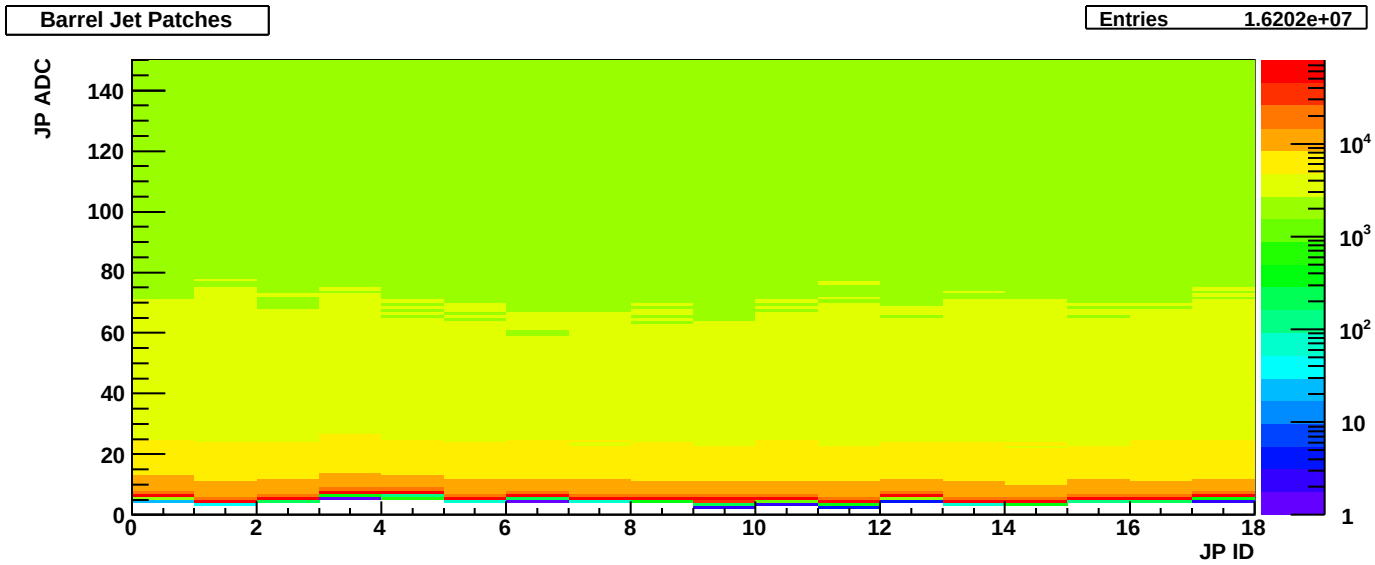

BunchId7Bit (JP2||AJP)
Entries 900111
10^4
10^3
10^2
0
20
40
60
80
100
120

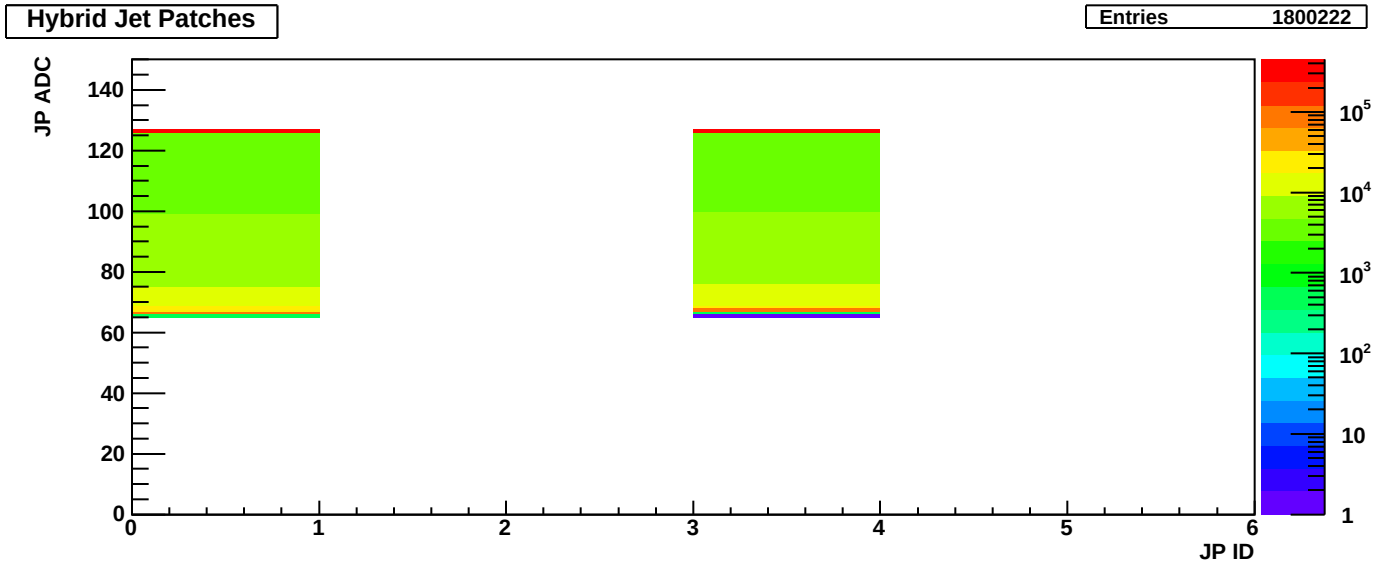

Barrel EMC L0 Input - High Tower
Entries 2.700333e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

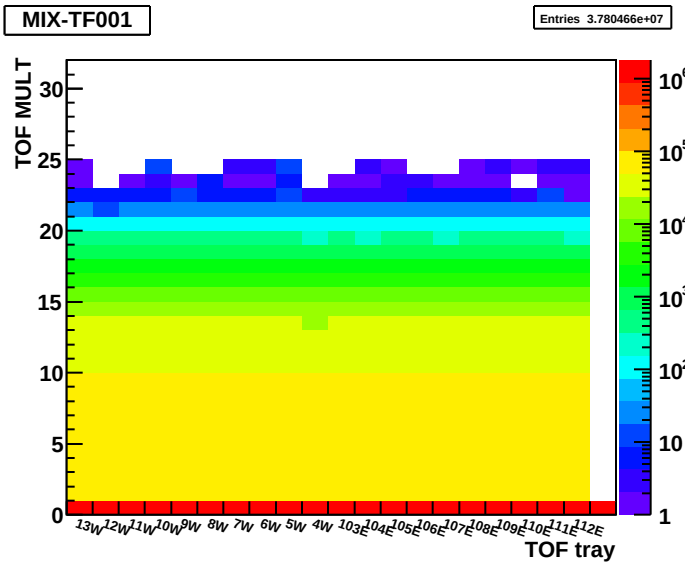

Barrel EMC L0 Input - Patch Sum
Entries 2.700333e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

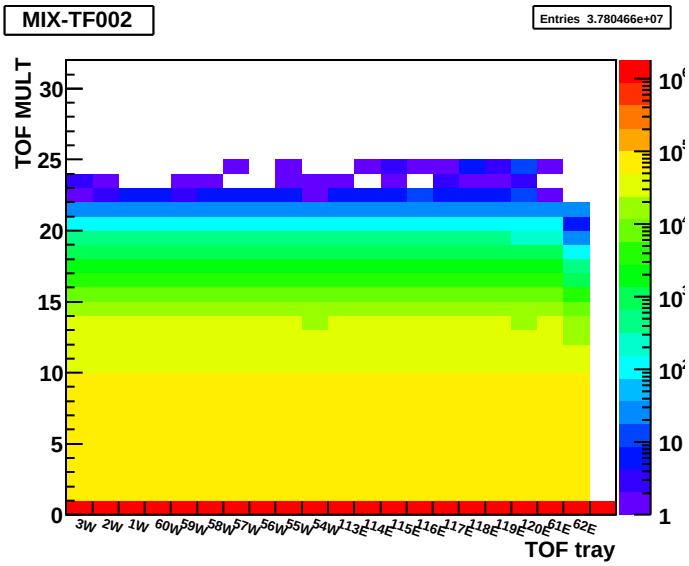

Endcap EMC L0 Input - High Tower
Entries 8.100999e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

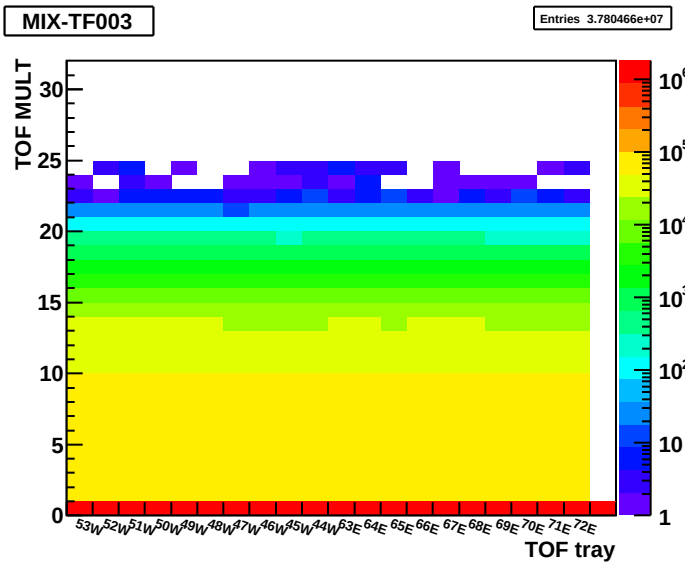

Endcap EMC L0 Input - Patch Sum
Entries 8.100999e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

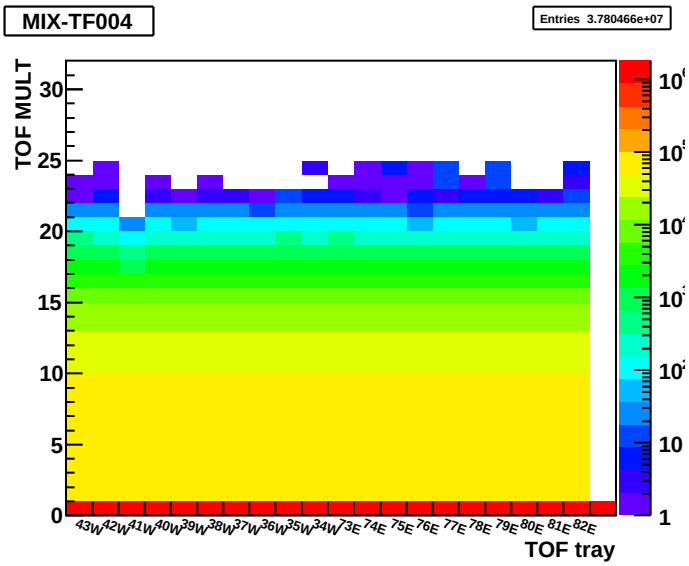

Barrel Jet Patches
Entries 1.6202e+07
JP ADC
JP ID

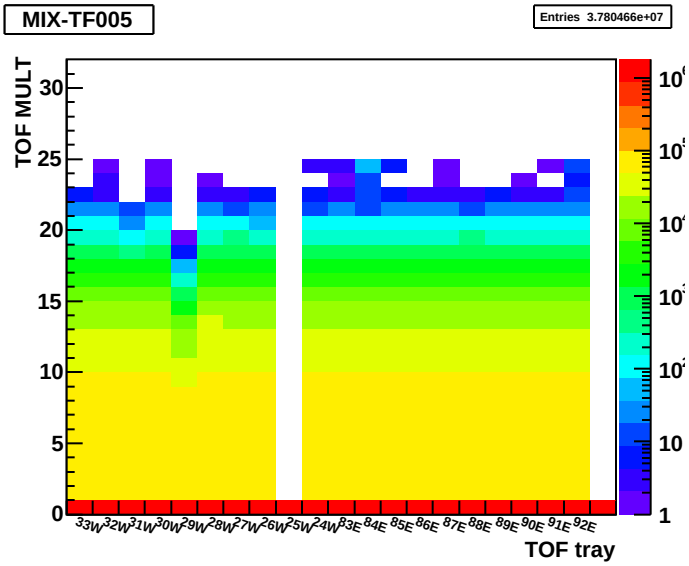

Hybrid Jet Patches
Entries 1800222
JP ADC
JP ID

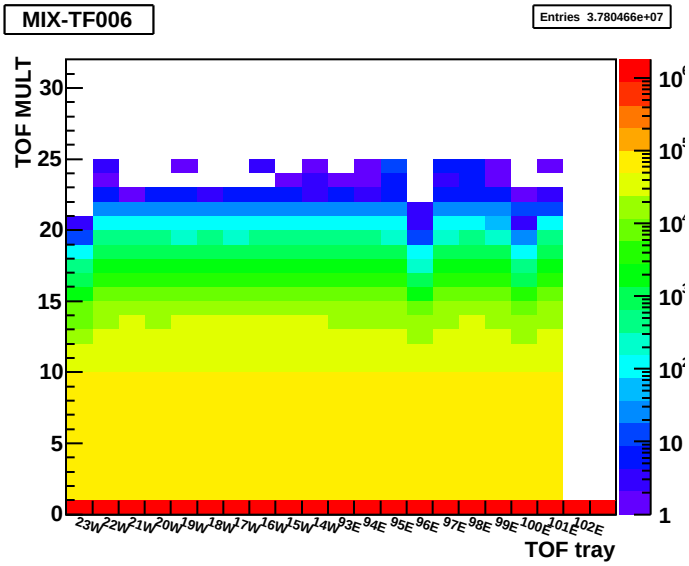

MIX-TF001
Entries 3.780466e+07
TOF MULT
TOF tray

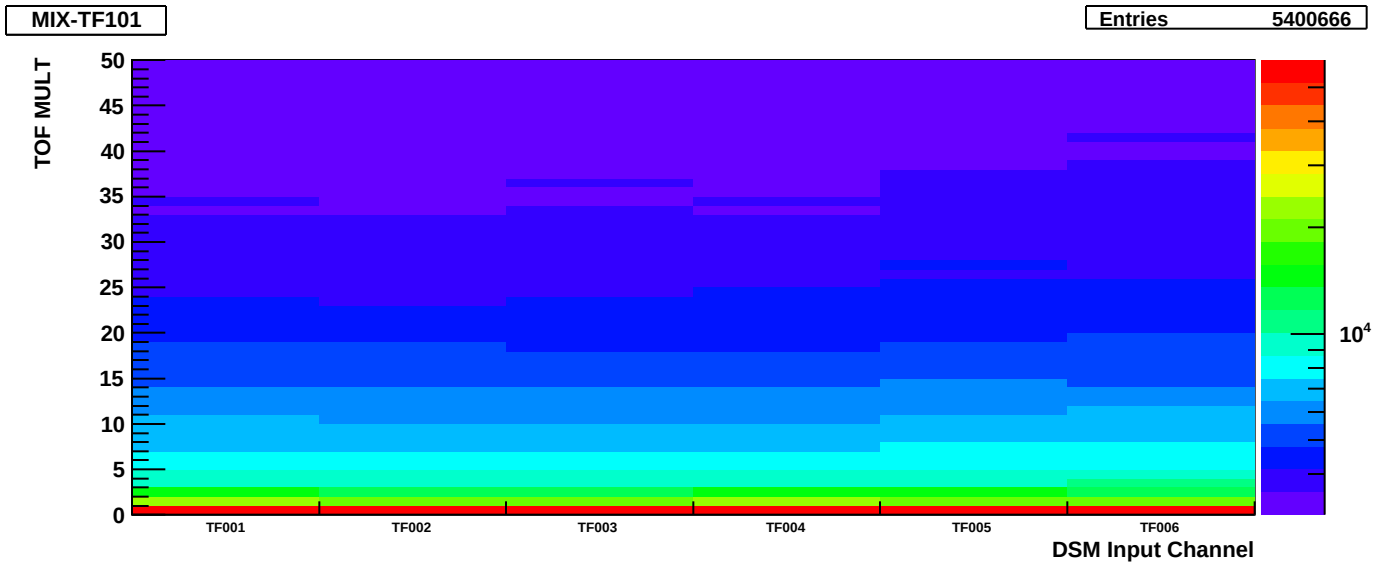

MIX-TF002
Entries 3.780466e+07
TOF MULT
TOF tray

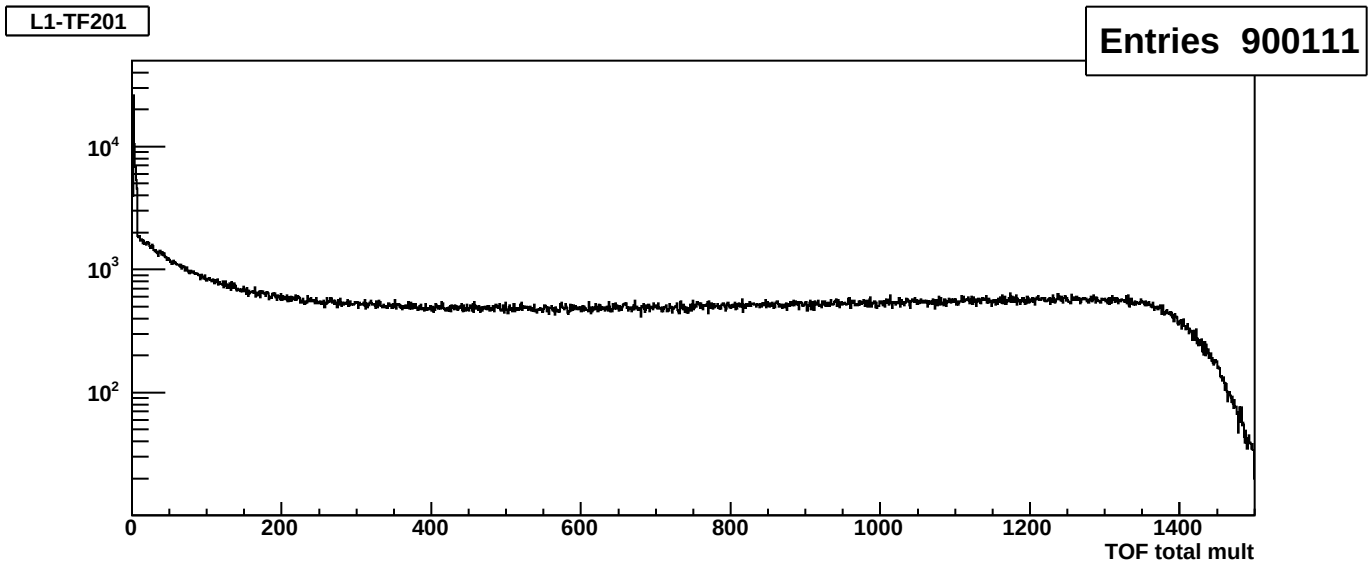

MIX-TF003
Entries 3.780466e+07
TOF MULT
TOF tray

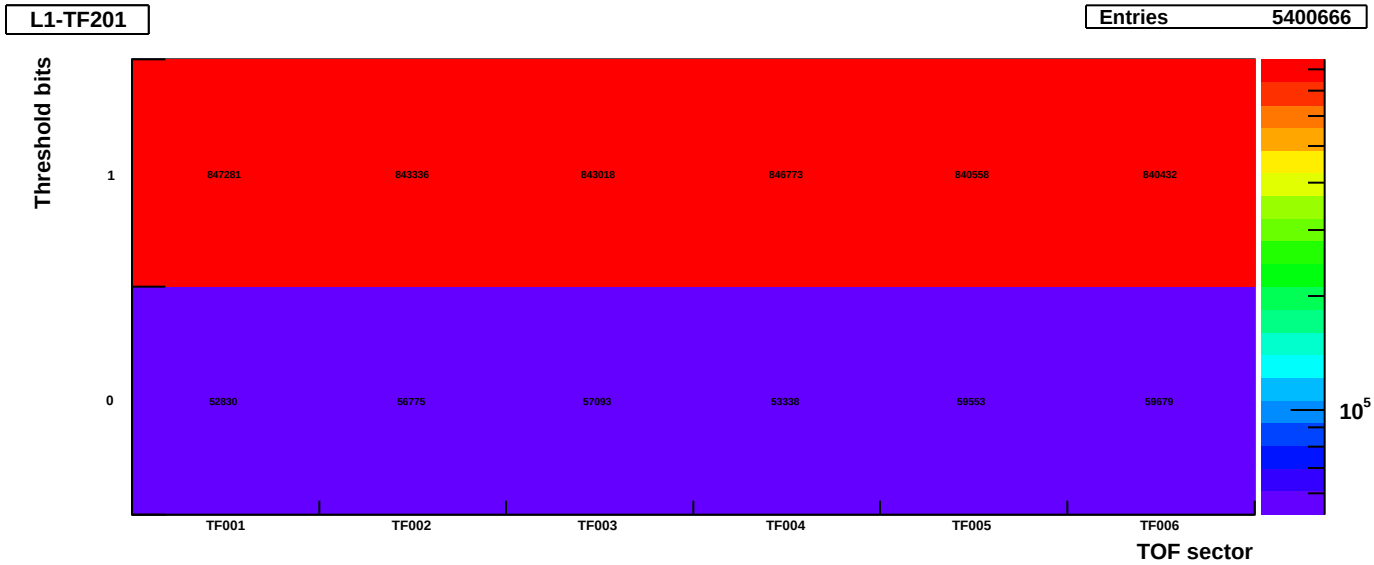

MIX-TF004
Entries 3.780466e+07
TOF MULT
TOF tray

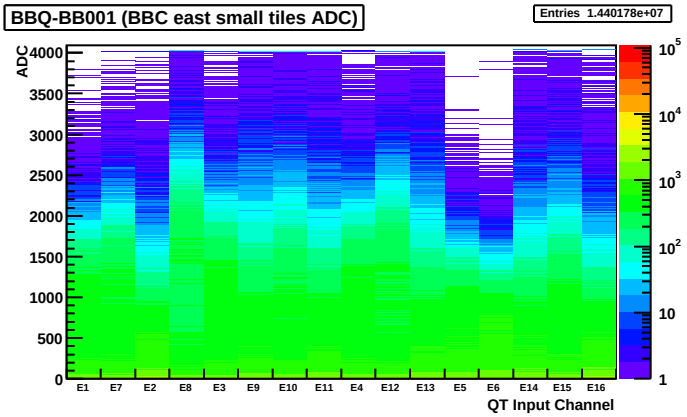

MIX-TF005
Entries 3.780466e+07
TOF MULT
TOF tray

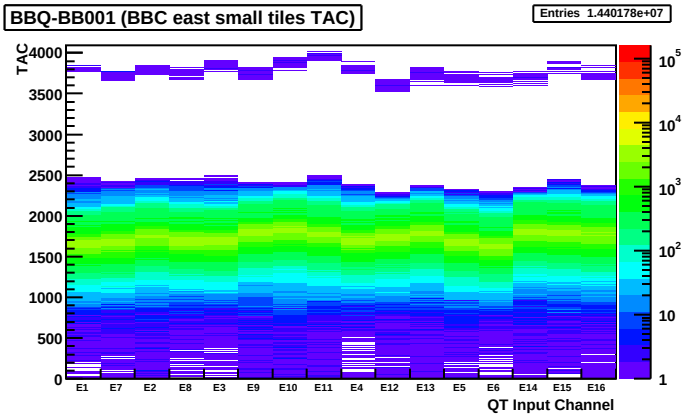

MIX-TF006
Entries 3.780466e+07
TOF MULT
TOF tray

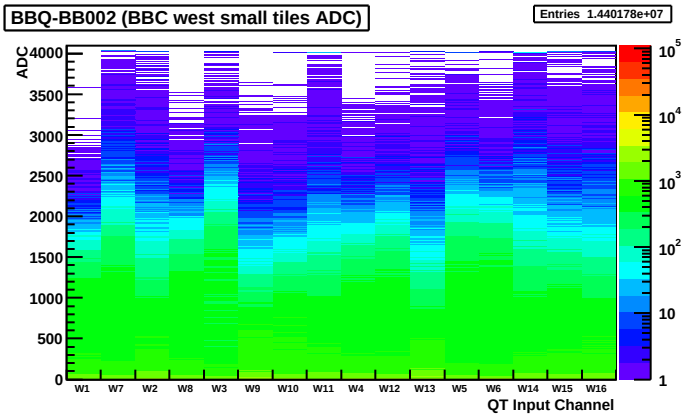

MIX-TF101
Entries 5400666
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

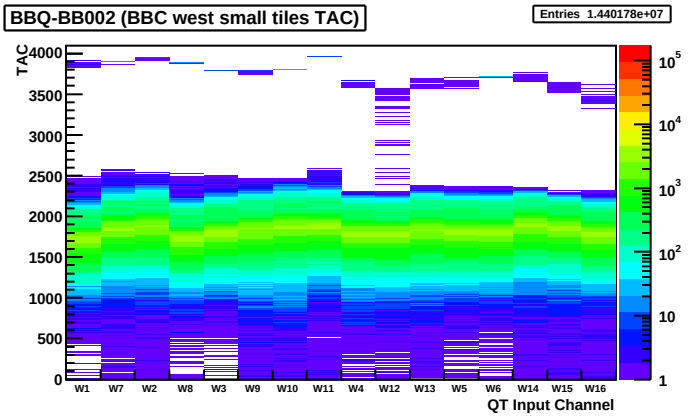

L1-TF201
Entries 900111
10^4
10^3
10^2
0
200
400
600
800
1000
1200
1400
TOF total mult

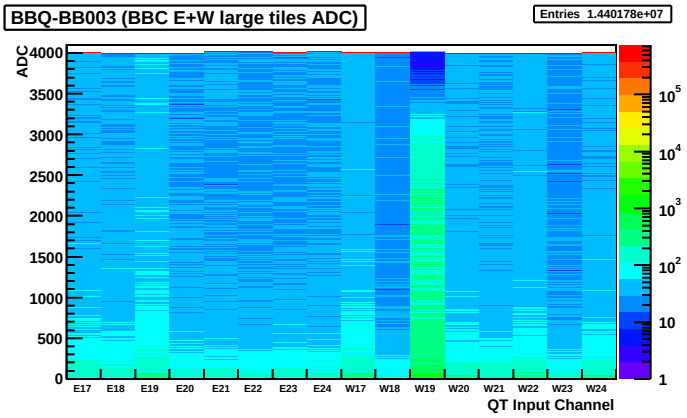

L1-TF201
Entries 5400666
Threshold bits
1
0
847281
843336
843018
846773
840558
840432
52830
56775
57093
53338
59553
59679
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

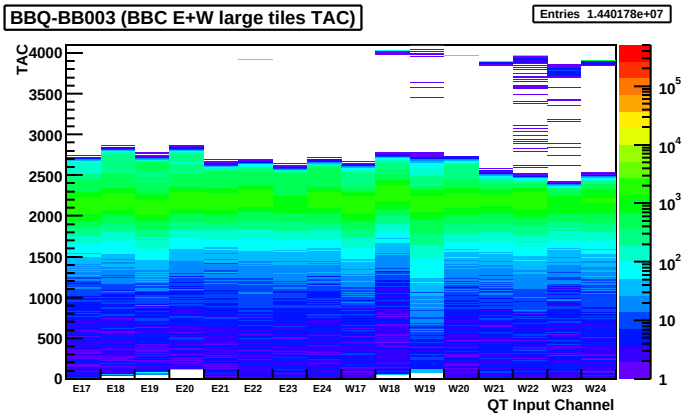

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.440178e+07
ADC
QT Input Channel

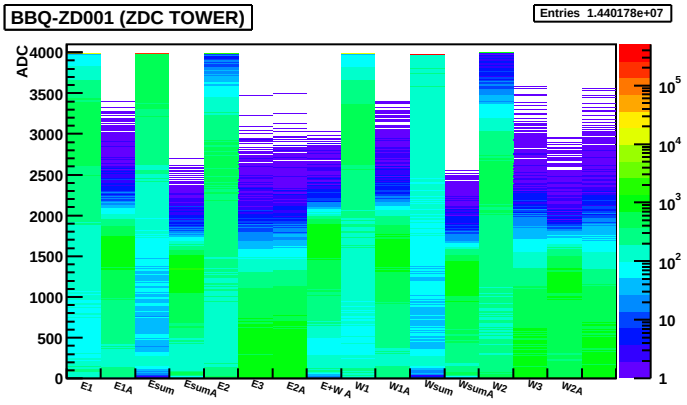

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.440178e+07
TAC
QT Input Channel

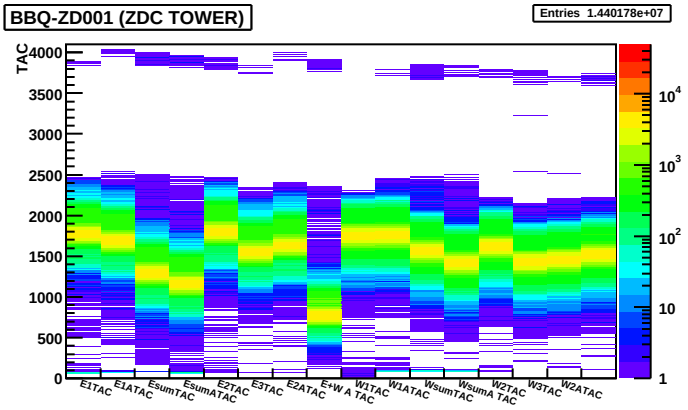

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.440178e+07
ADC
QT Input Channel

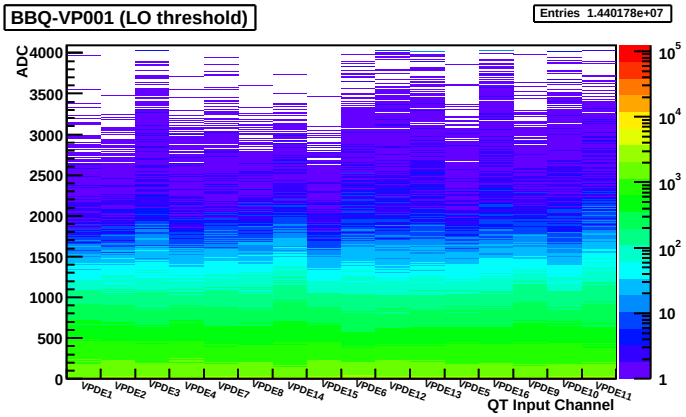

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.440178e+07
TAC
QT Input Channel

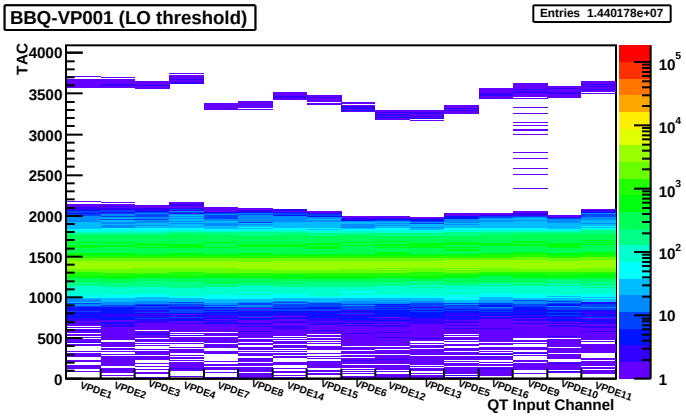

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1.440178e+07
ADC
QT Input Channel

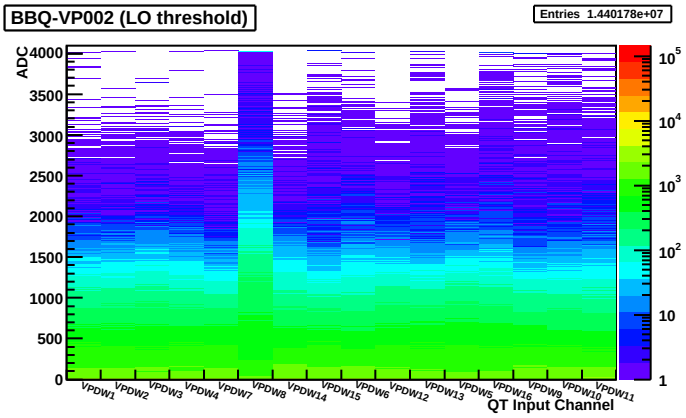

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1.440178e+07
TAC
QT Input Channel

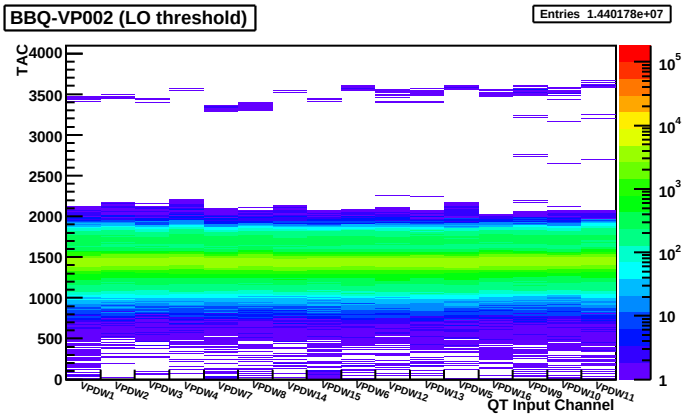

BBQ-ZD001 (ZDC TOWER)
Entries 1.440178e+07
ADC

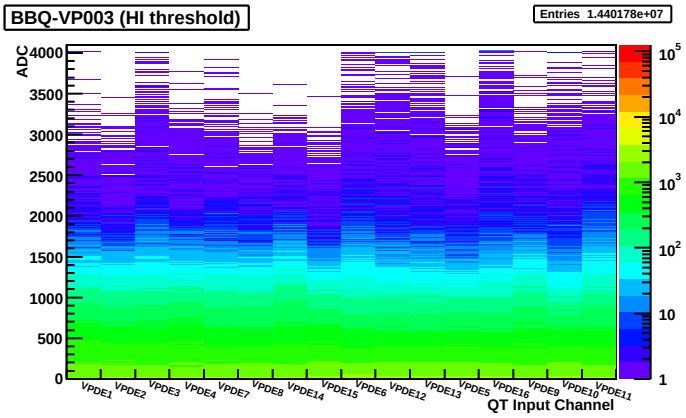

BBQ-ZD001 (ZDC TOWER)
Entries 1.440178e+07
TAC

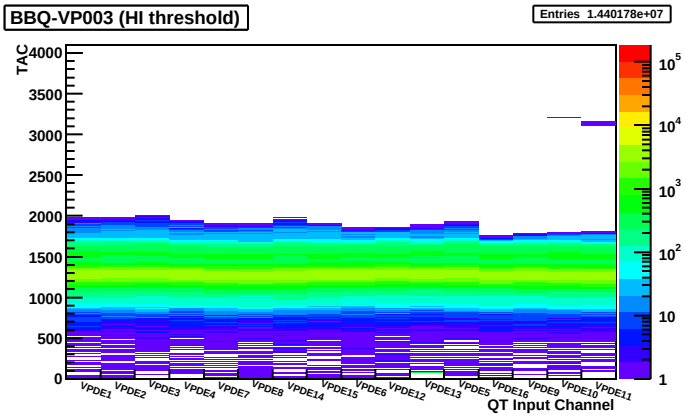

BBQ-VP001 (LO threshold)
Entries 1.440178e+07
ADC
QT Input Channel

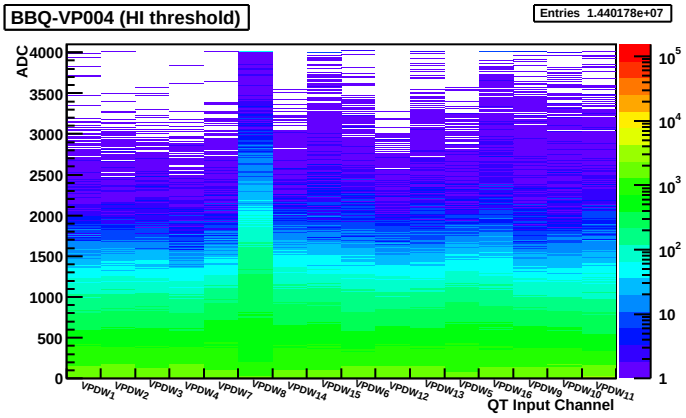

BBQ-VP001 (LO threshold)
Entries 1.440178e+07
TAC
QT Input Channel

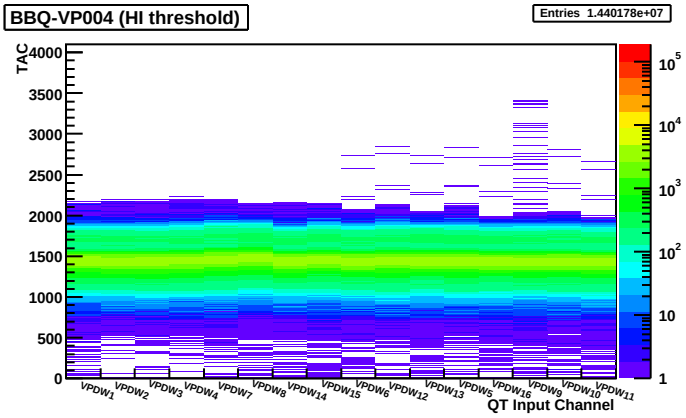

BBQ-VP002 (LO threshold)
Entries 1.440178e+07
ADC
QT Input Channel

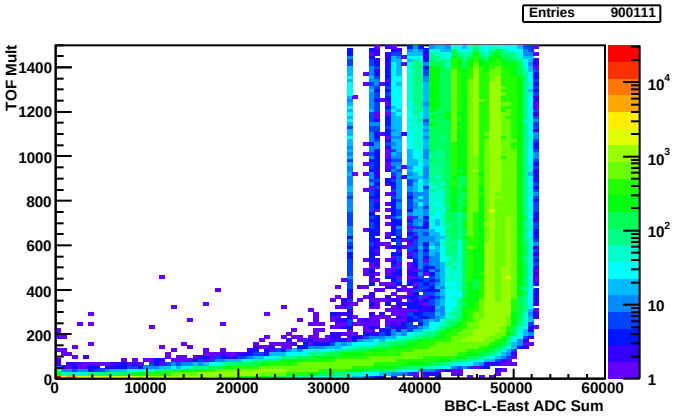

BBQ-VP002 (LO threshold)
Entries 1.440178e+07
TAC
QT Input Channel

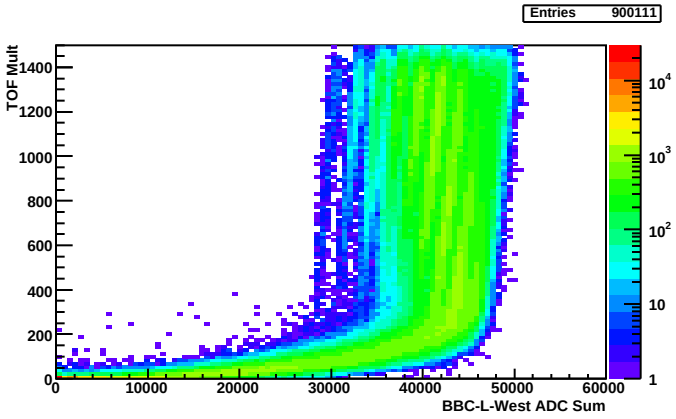

BBQ-VP003 (HI threshold)
Entries 1.440178e+07
ADC
QT Input Channel

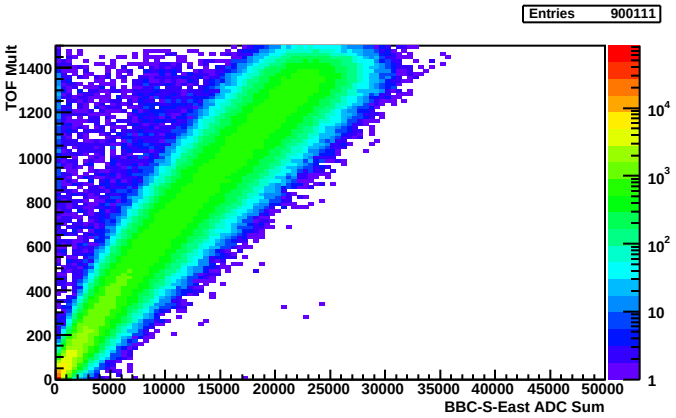

BBQ-VP003 (HI threshold)
Entries 1.440178e+07
TAC
QT Input Channel

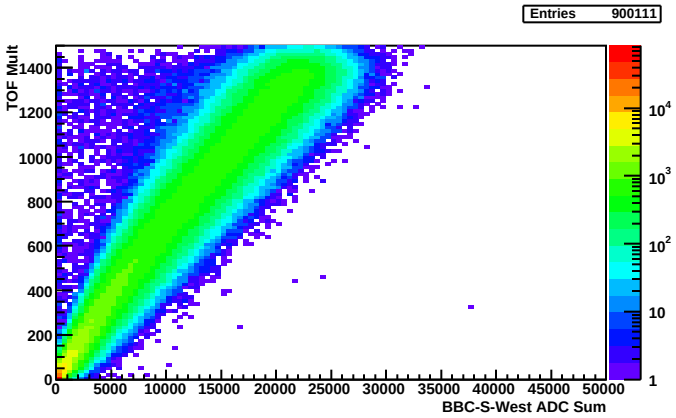

BBQ-VP004 (HI threshold)
Entries 1.440178e+07
ADC
QT Input Channel

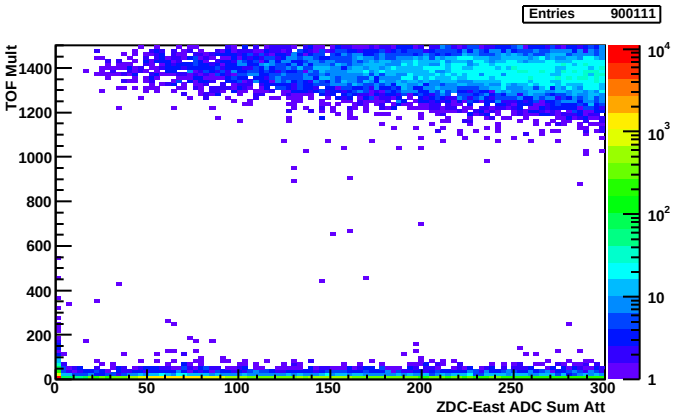

BBQ-VP004 (HI threshold)
Entries 1.440178e+07
TAC
QT Input Channel

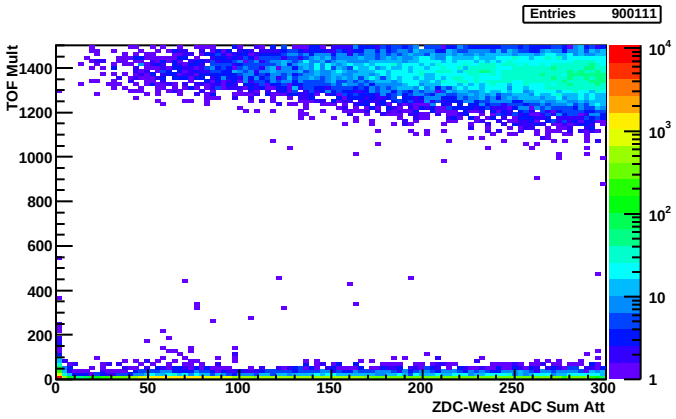

Entries 900111
TOF Mult
BBC-L-East ADC Sum

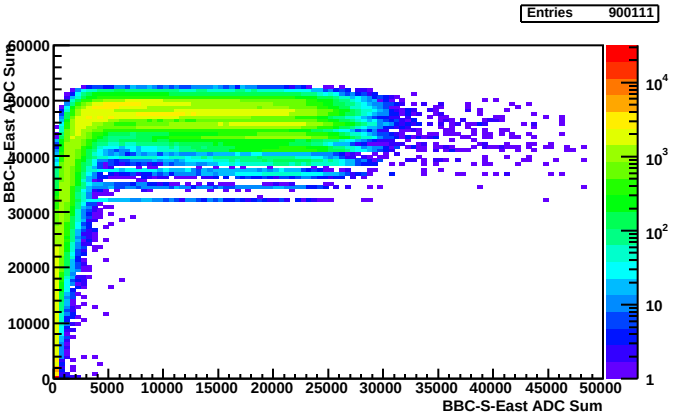

Entries 900111
TOF Mult
BBC-L-West ADC Sum

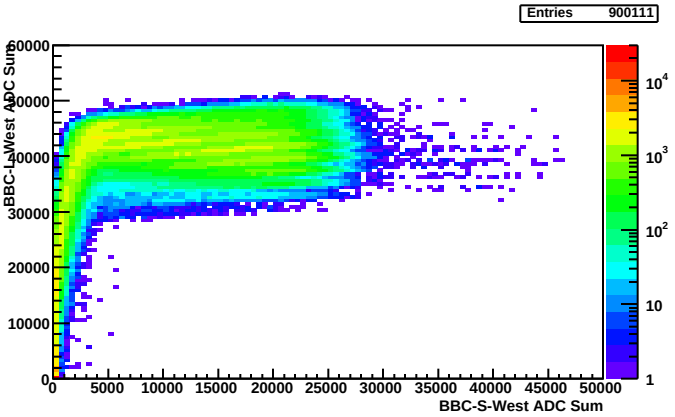

Entries 900111
TOF Mult
BBC-S-East ADC Sum

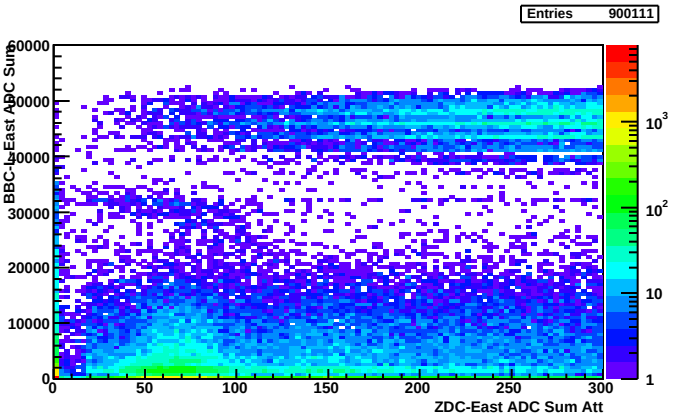

Entries 900111
TOF Mult
BBC-S-West ADC Sum

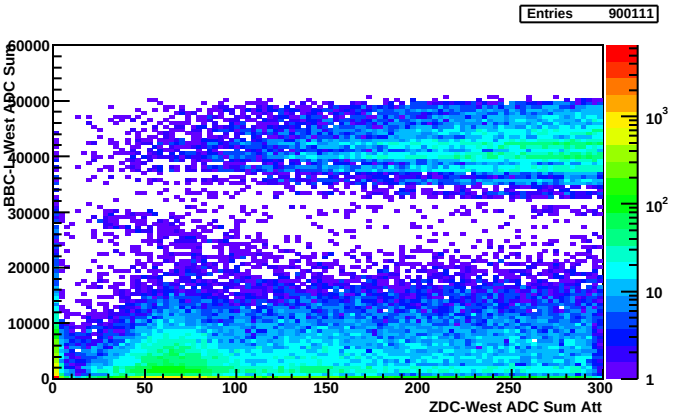

Entries 900111
TOF Mult
ZDC-East ADC Sum Att


Entries 900111
TOF Mult
ZDC-West ADC Sum Att


Entries 900111
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 900111
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 900111
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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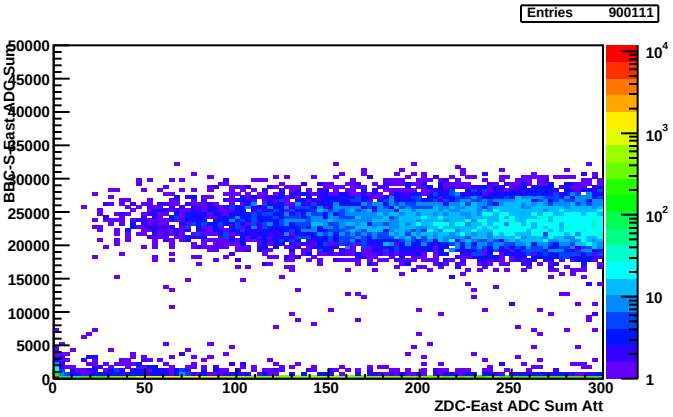
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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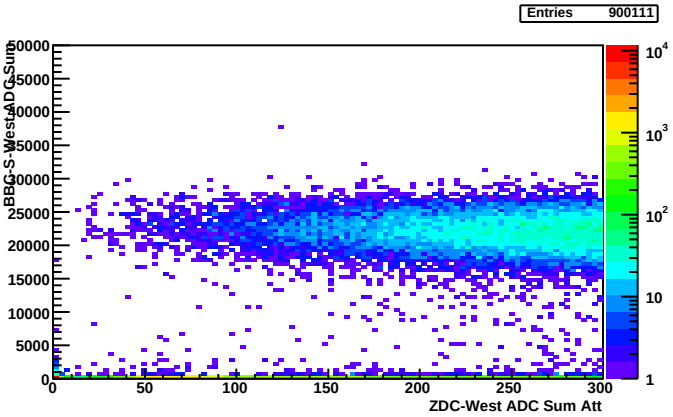
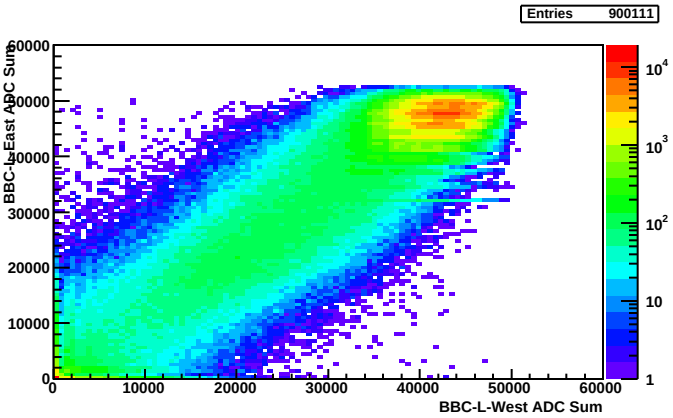
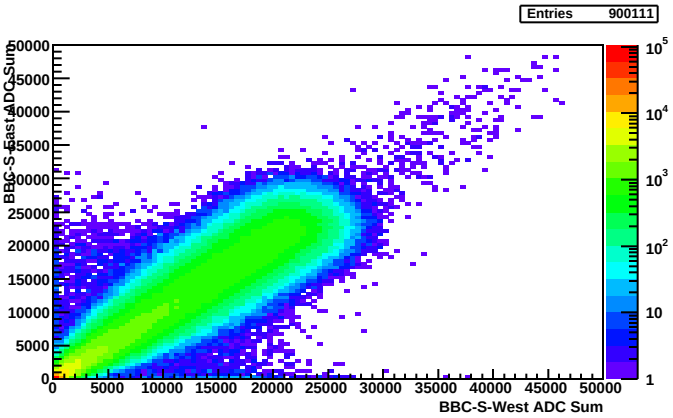
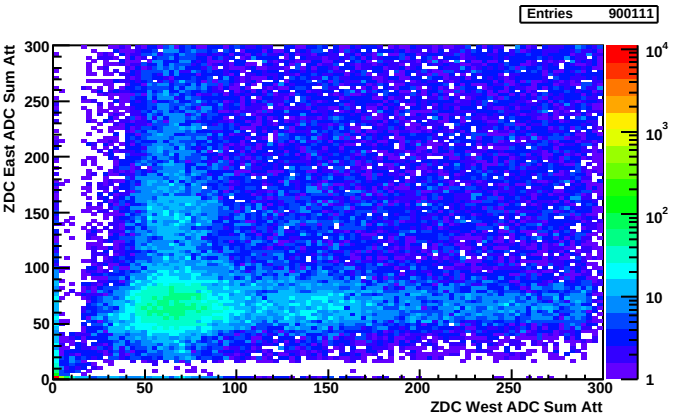
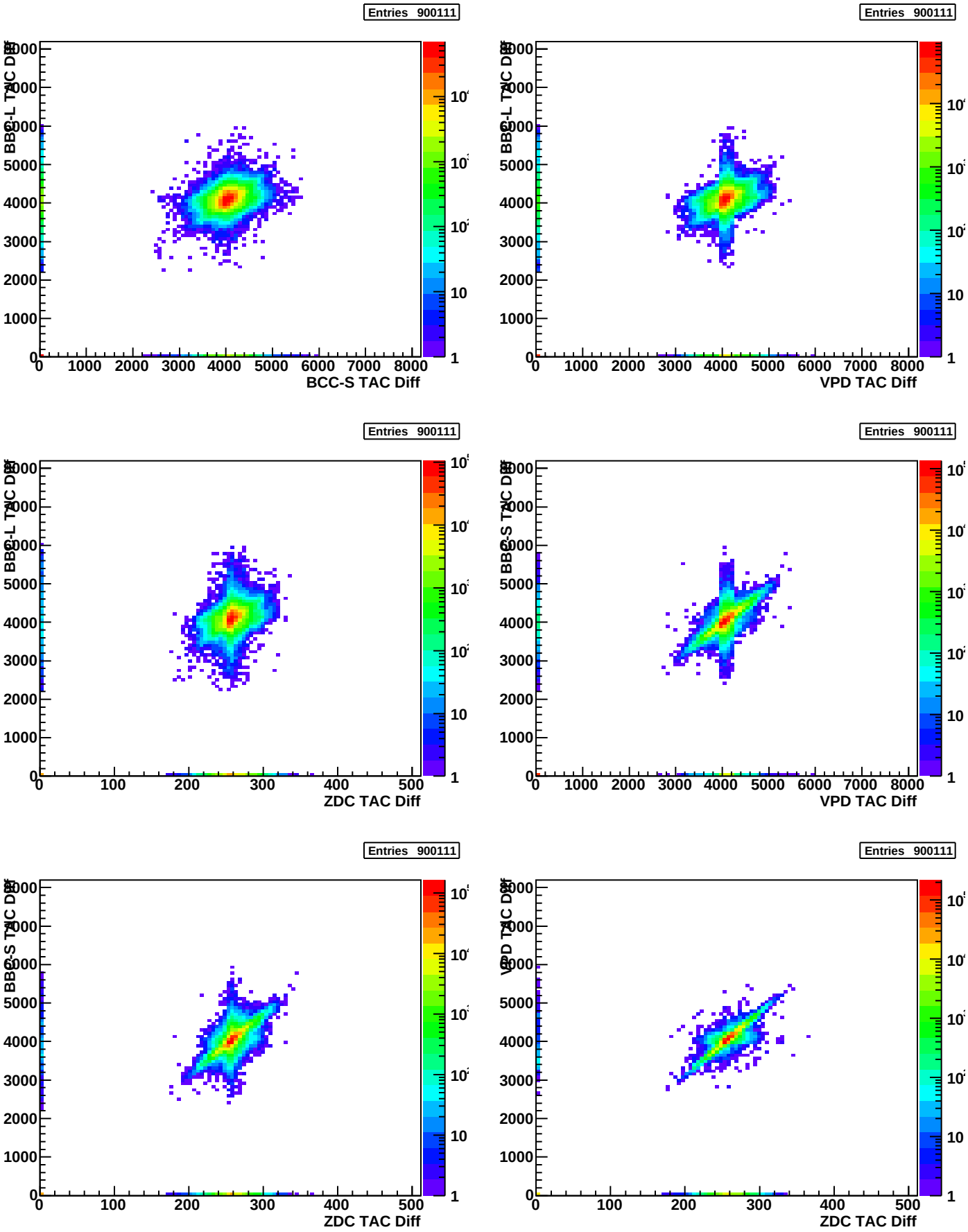
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

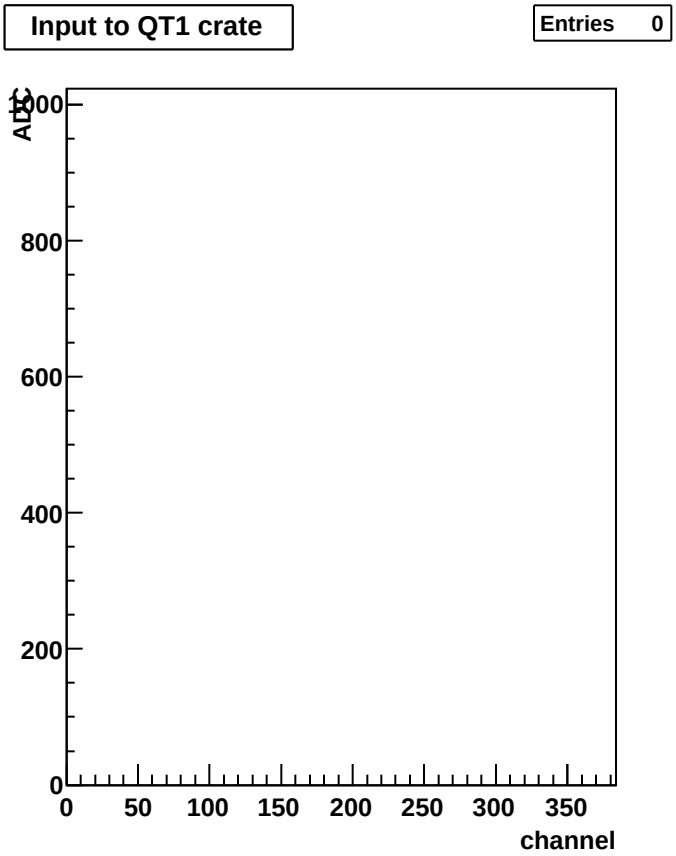

Entries 900111
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

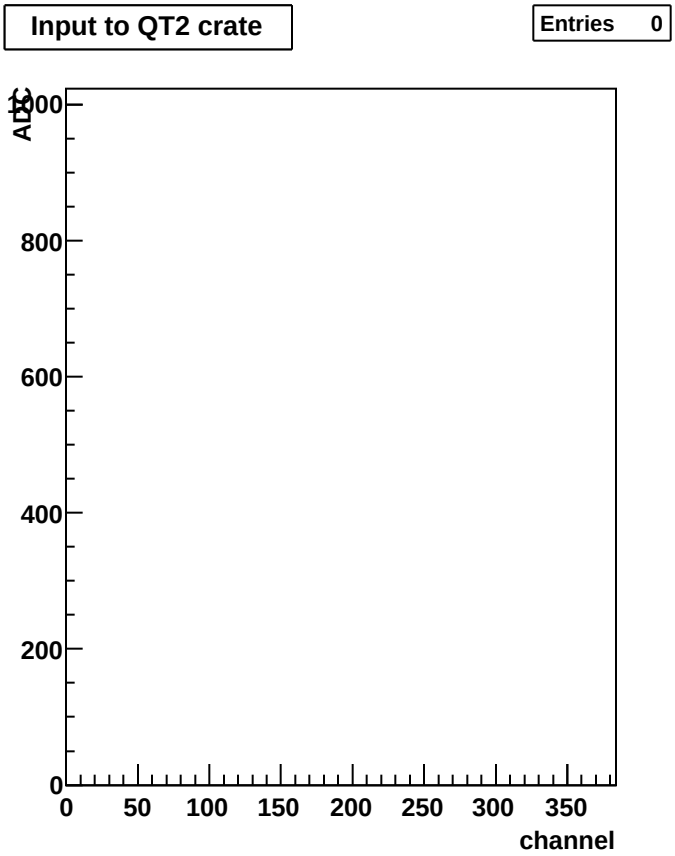

Entries 900111
BBC-L-East ADC Sum
BBC-L-West ADC Sum

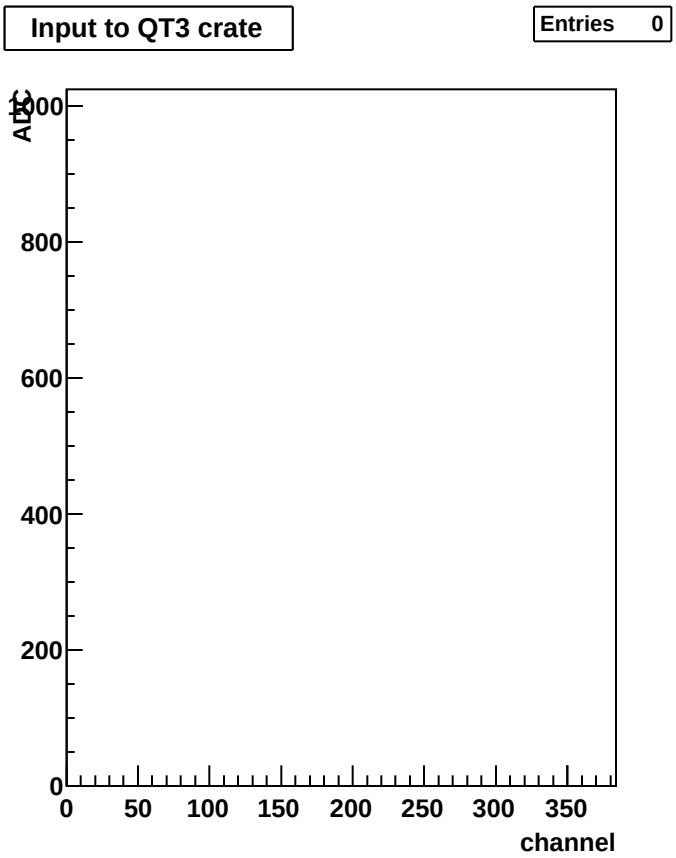

Entries 900111
BBC-S-East ADC Sum
BBC-S-West ADC Sum

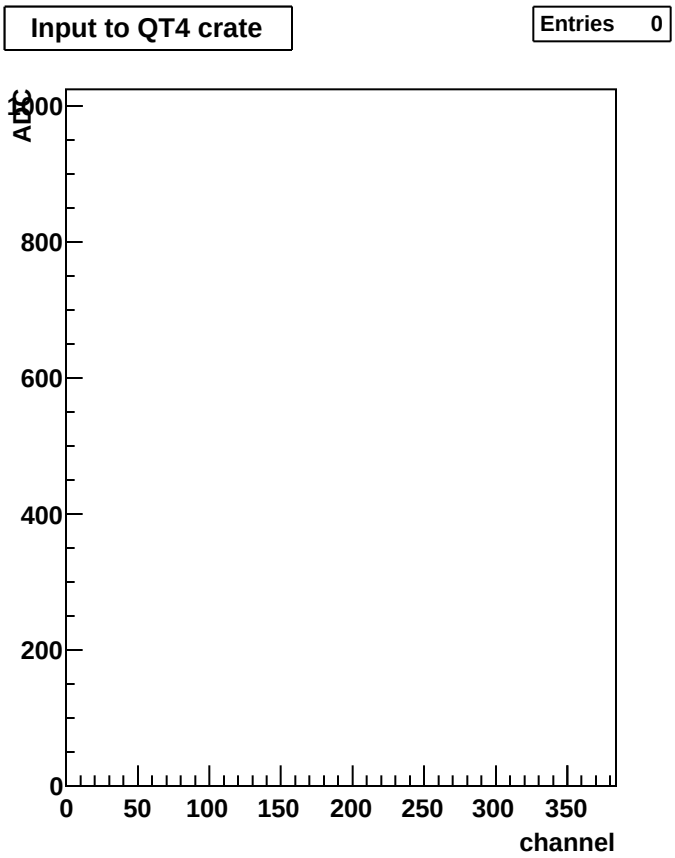

Entries 900111
ZDC East ADC Sum Att
ZDC West ADC Sum Att

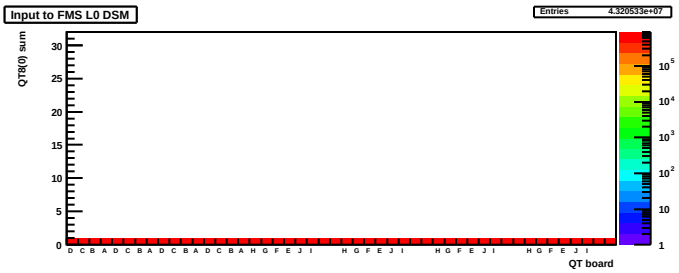

Entries 900111
BBC-L TAC Diff
BCC-S TAC Diff
Entries 900111
BBC-L TAC Diff
VPD TAC Diff
Entries 900111
BBC-L TAC Diff
ZDC TAC Diff
Entries 900111
BBC-S TAC Diff
VPD TAC Diff
Entries 900111
BBC-S TAC Diff
ZDC TAC Diff
Entries 900111
VPD TAC Diff
ZDC TAC Diff

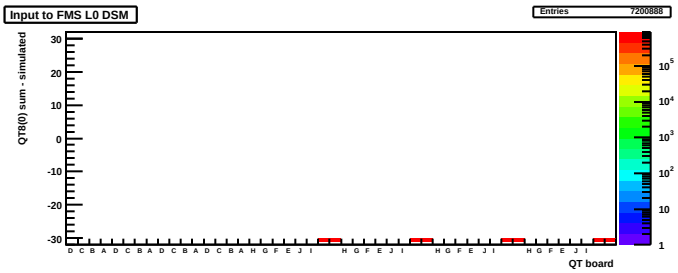

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

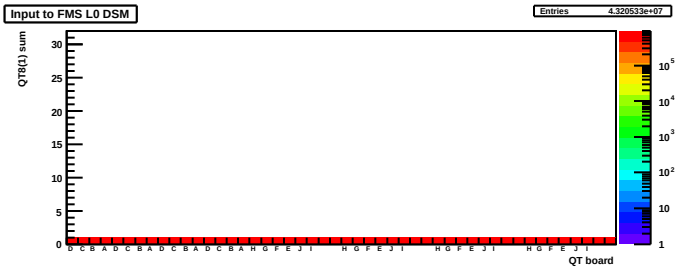

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

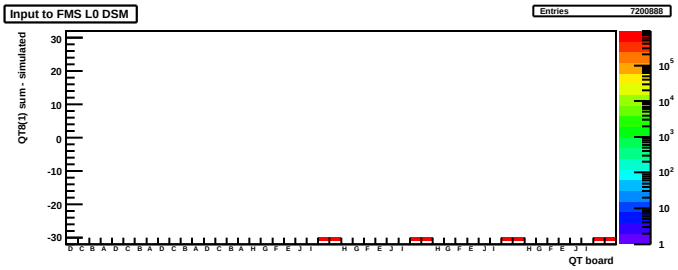

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

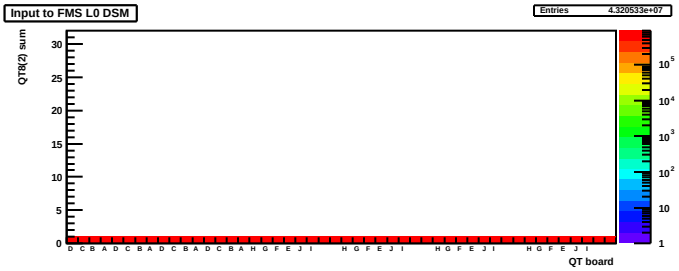

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

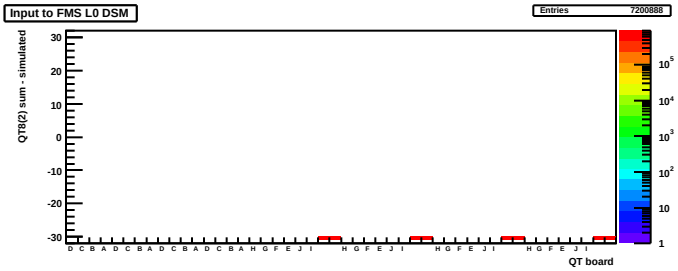

Input to FMS L0 DSM
Entries 4.320533e+07
QT8(0) sum
QT board

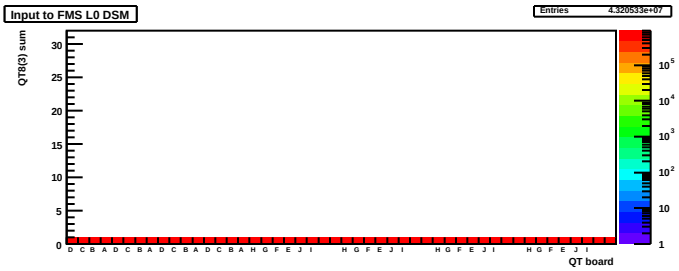

Input to FMS L0 DSM
Entries 7200888
QT8(0) sum - simulated
QT board

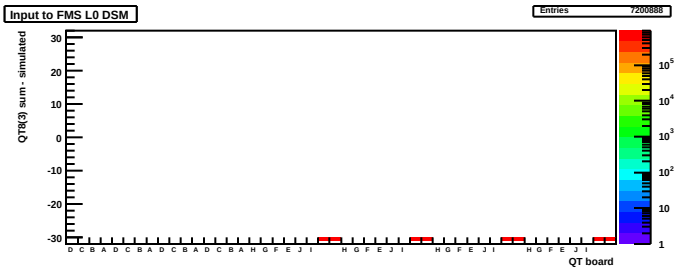

Input to FMS L0 DSM
Entries 4.320533e+07
QT8(1) sum
QT board

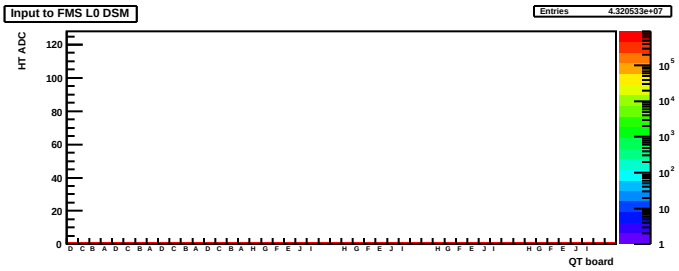

Input to FMS L0 DSM
Entries 7200888
QT8(1) sum - simulated
QT board

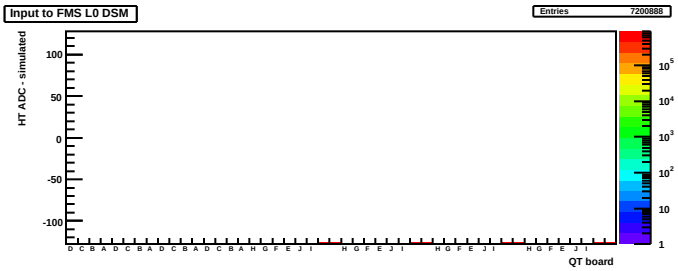

Input to FMS L0 DSM
Entries 4.320533e+07
QT8(2) sum
QT board

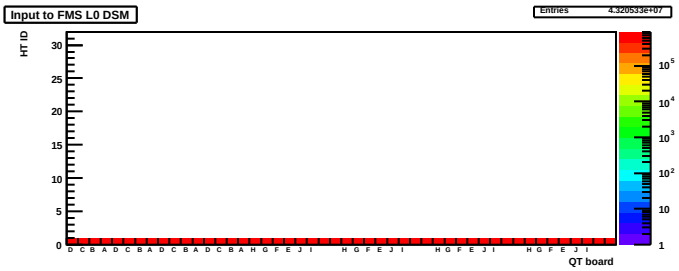

Input to FMS L0 DSM
Entries 7200888
QT8(2) sum - simulated
QT board

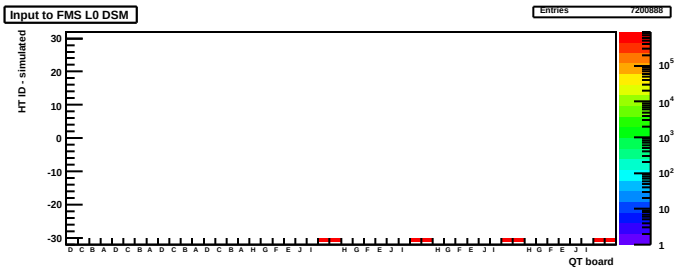

Input to FMS L0 DSM
Entries 4.320533e+07
QT8(3) sum
QT board

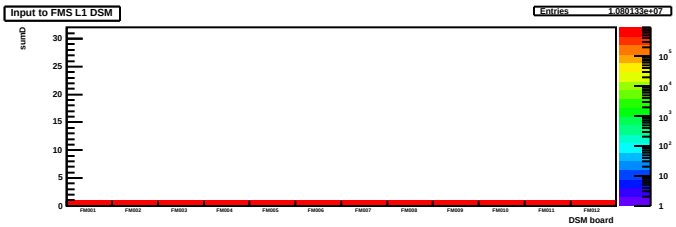

Input to FMS L0 DSM
Entries 7200888
QT8(3) sum - simulated
QT board

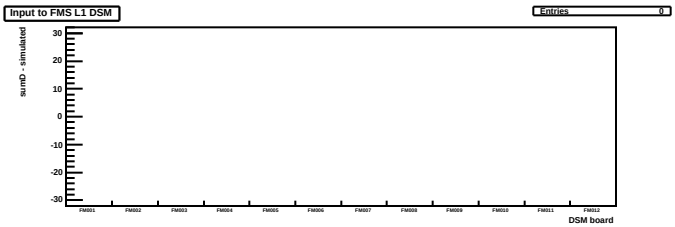

Input to FMS L0 DSM
Entries 4.320533e+07
HT ADC
QT board

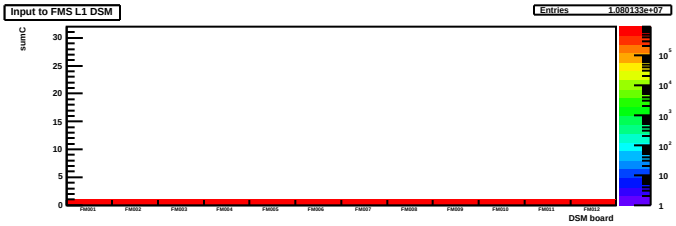

Input to FMS L0 DSM
Entries 7200888
HT ADC - simulated
QT board

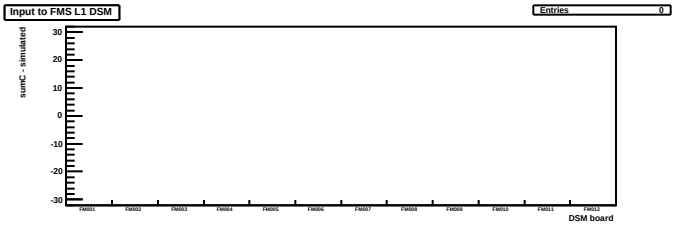

Input to FMS L0 DSM
Entries 4.320533e+07
HT ID
QT board

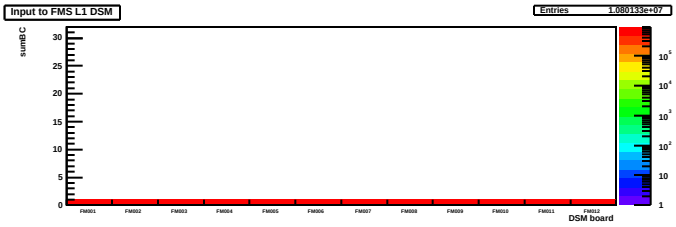

Input to FMS L0 DSM
Entries 7200888
HT ID - simulated
QT board

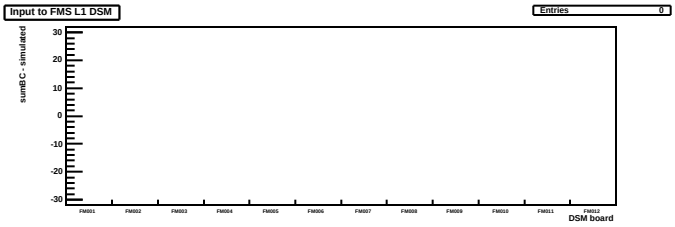

Input to FMS L1 DSM
Entries 1.080133e+07
sumD
DSM board

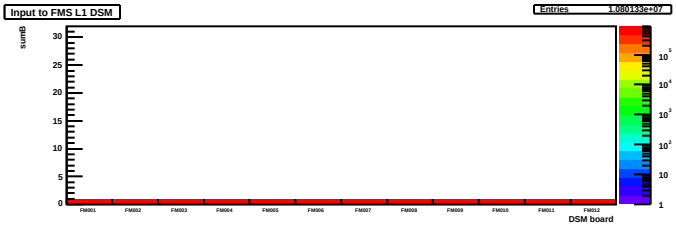

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

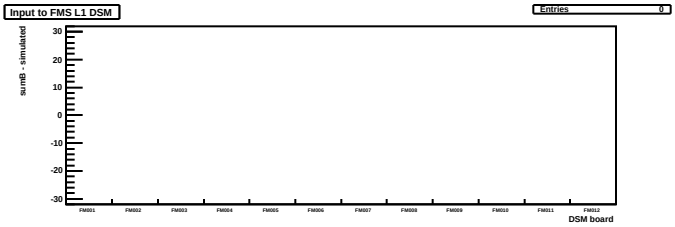

Input to FMS L1 DSM
Entries 1.080133e+07
sumC
DSM board

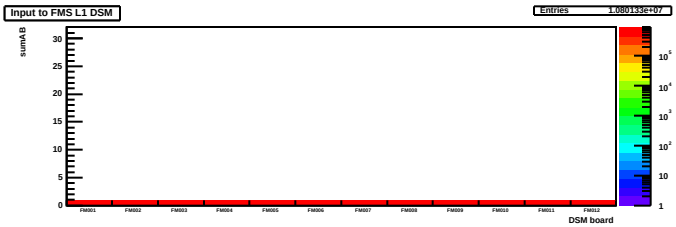

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

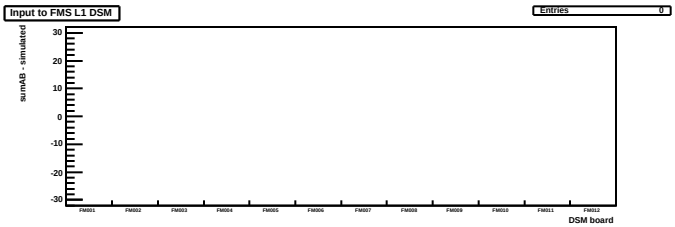

Input to FMS L1 DSM
Entries 1.080133e+07
sumBC
DSM board

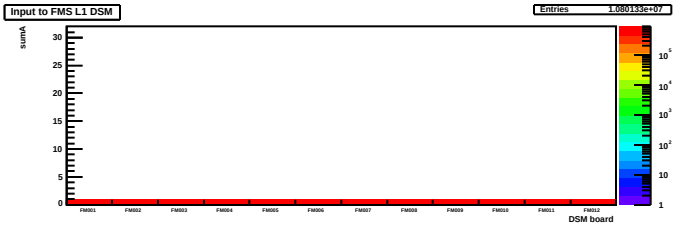

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

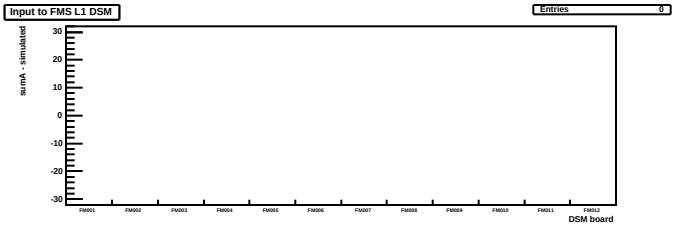

Input to FMS L1 DSM
Entries 1.080133e+07
sumB
DSM board

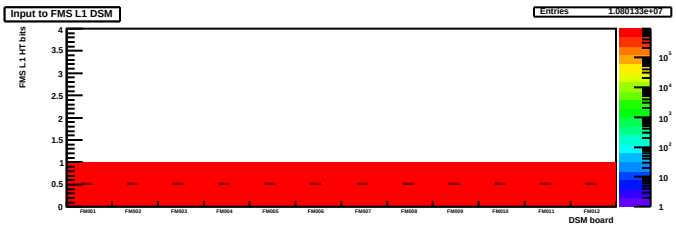

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

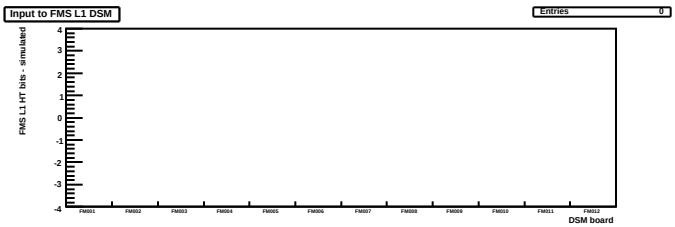

Input to FMS L1 DSM
Entries 1.080133e+07
sumAB
DSM board

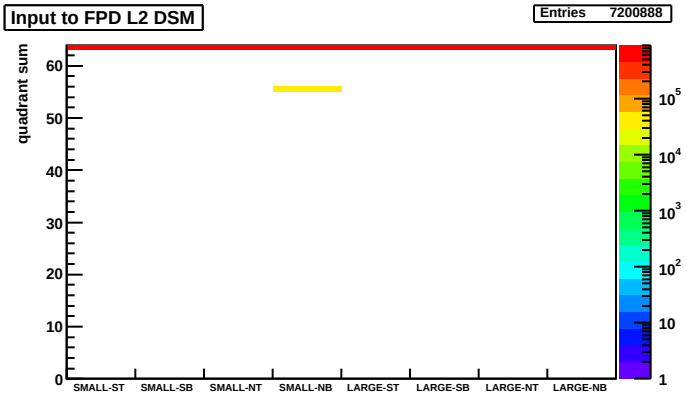

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

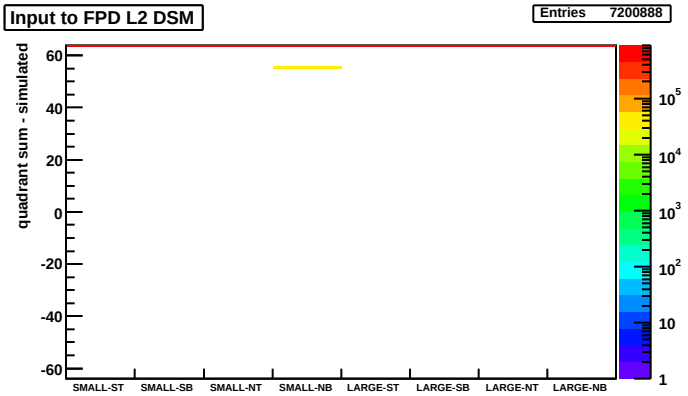

Input to FMS L1 DSM
Entries 1.080133e+07
sumA
DSM board

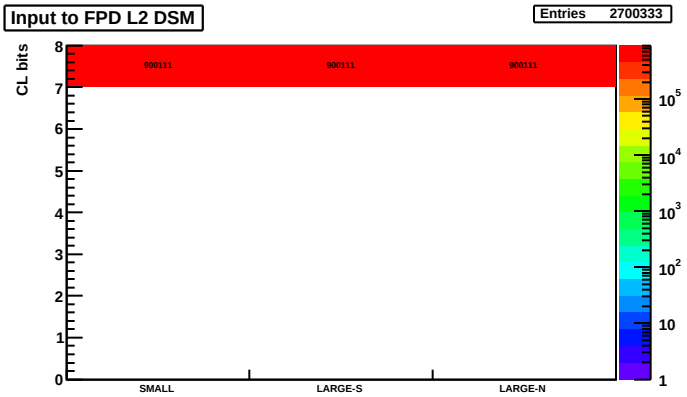

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

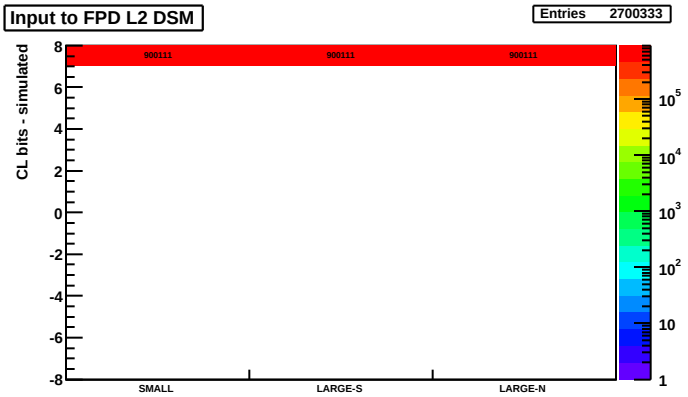

Input to FMS L1 DSM
Entries 1.080133e+07
FMS L1 HT bits
DSM board

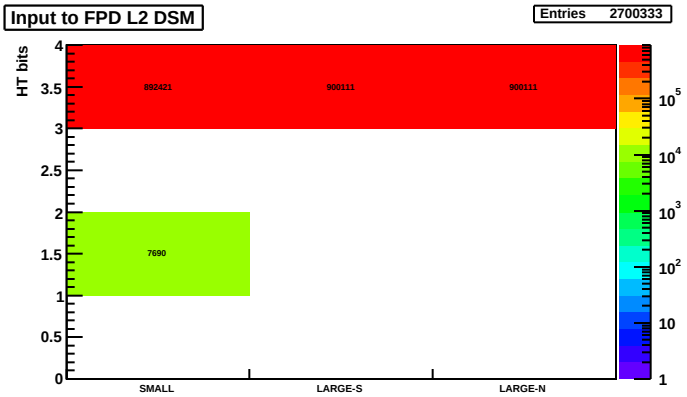

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

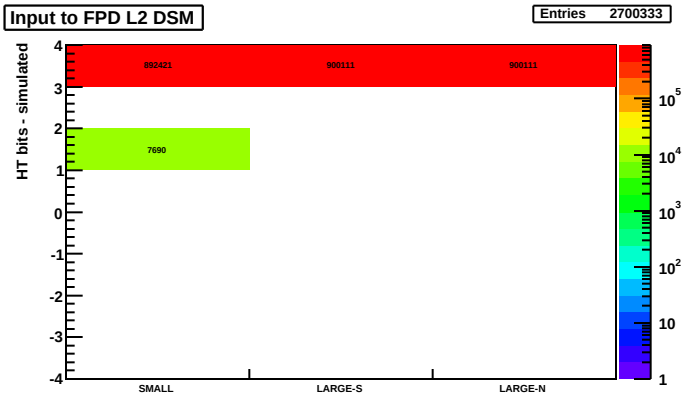

Input to FPD L2 DSM
Entries 7200888
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

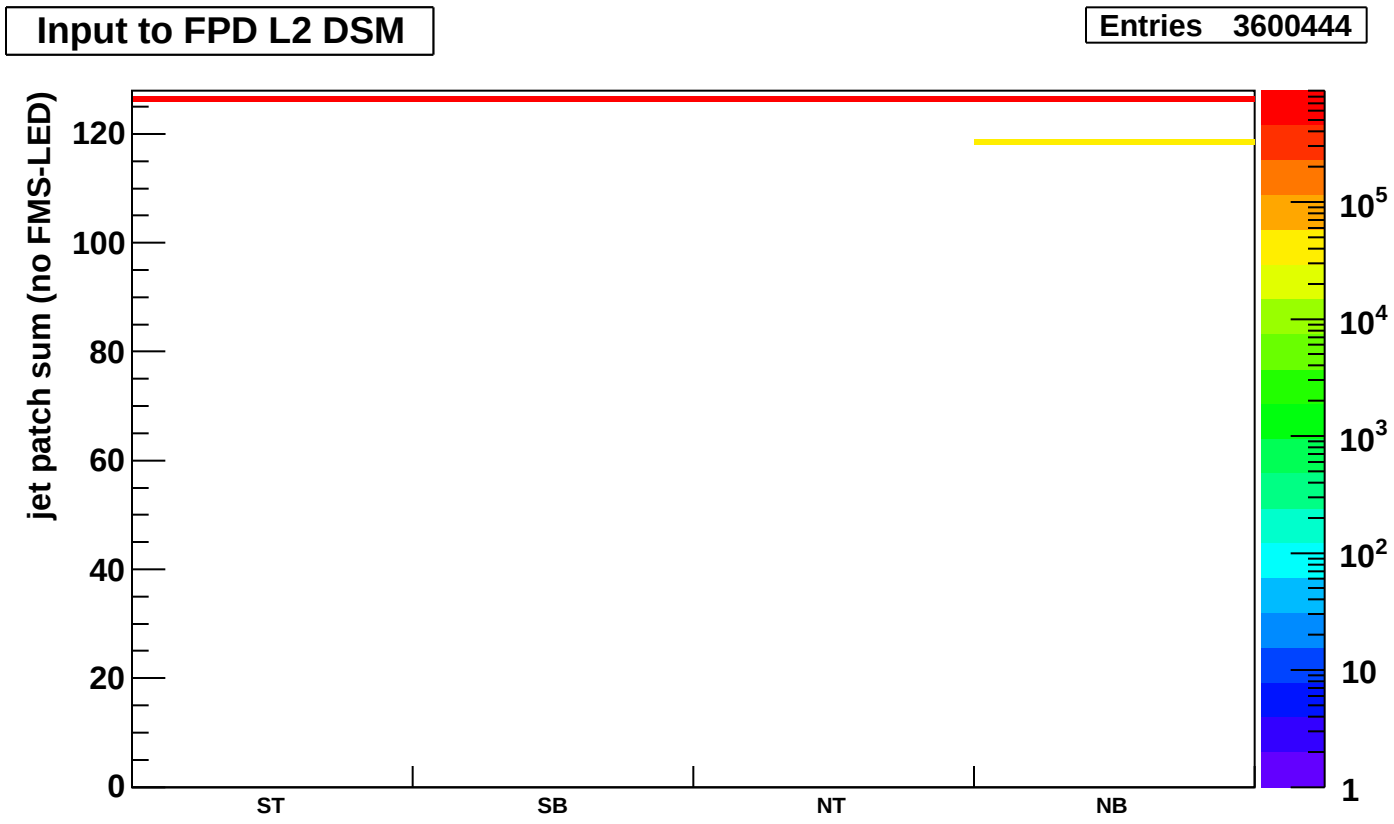

Input to FPD L2 DSM
Entries 7200888
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

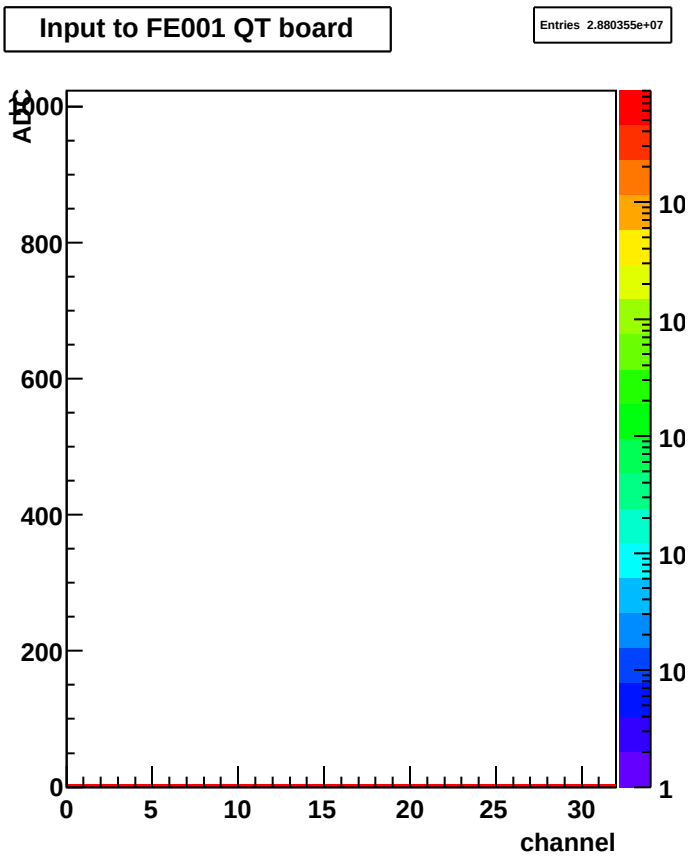

Input to FPD L2 DSM
Entries 2700333
CL bits
900111
900111
900111
SMALL
LARGE-S
LARGE-N

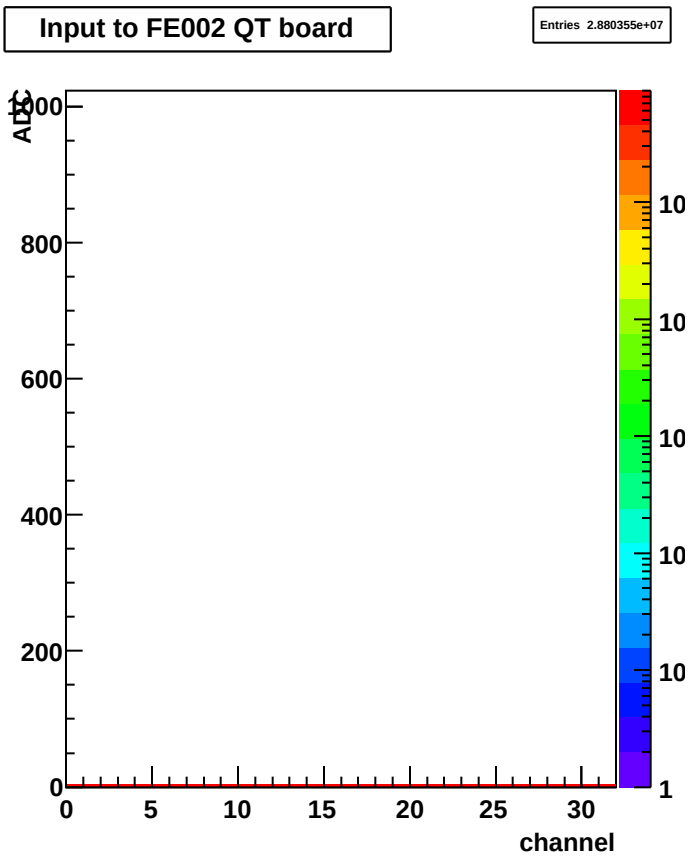

Input to FPD L2 DSM
Entries 2700333
CL bits - simulated
900111
900111
900111
SMALL
LARGE-S
LARGE-N

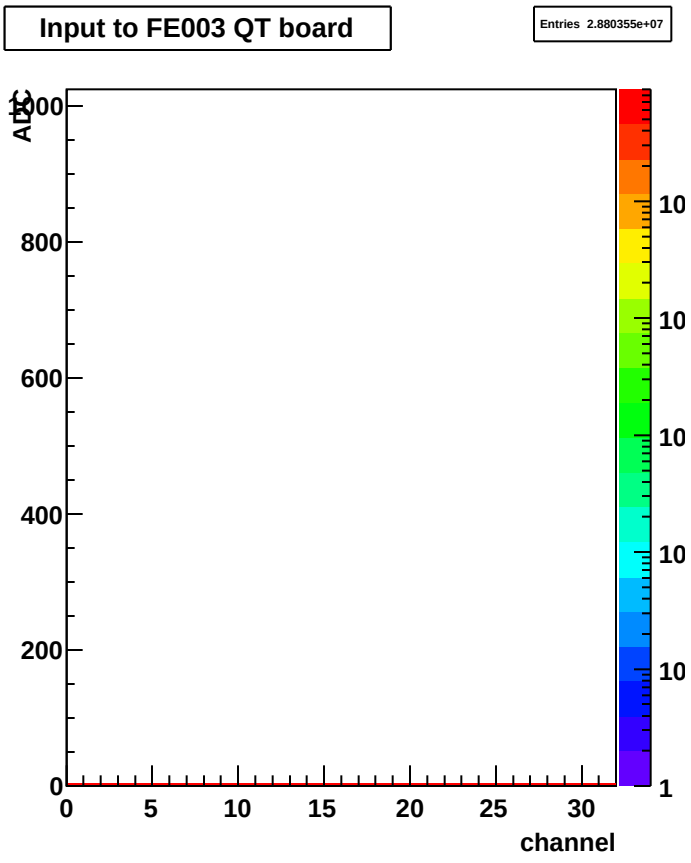

Input to FPD L2 DSM
Entries 2700333
HT bits
892421
900111
900111
7690
SMALL
LARGE-S
LARGE-N

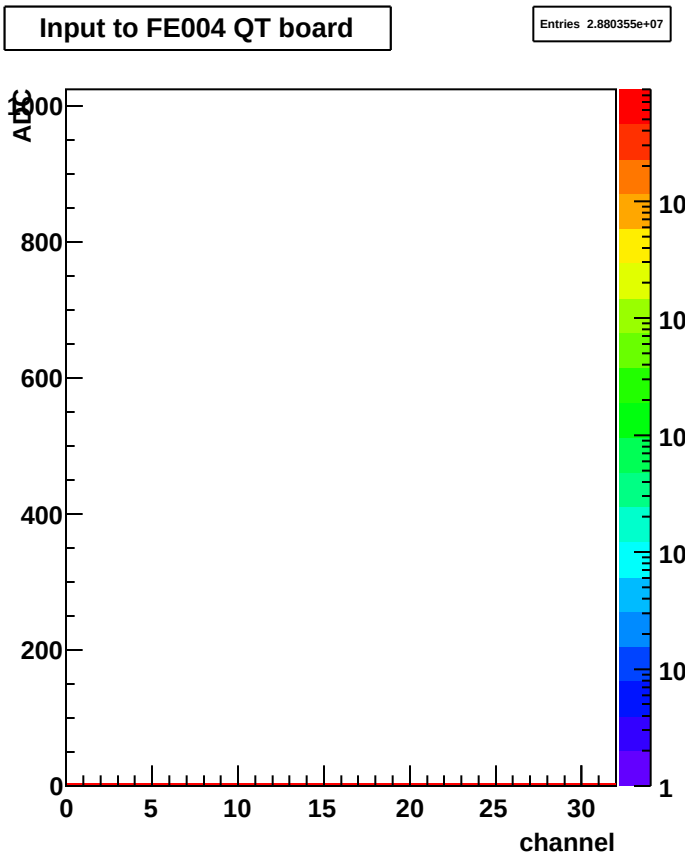

Input to FPD L2 DSM
Entries 2700333
HT bits - simulated
892421
900111
900111
7690
SMALL
LARGE-S
LARGE-N

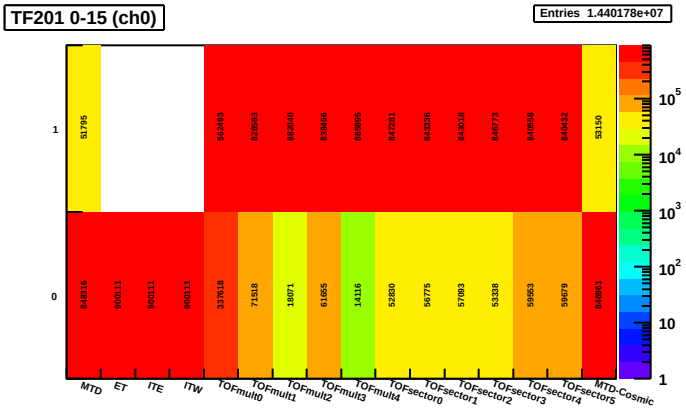

Input to FPD L2 DSM
Entries 3600444
jet patch sum (no FMS-LED)
120
100
80
60
40
20
0
ST
SB
NT
NB
10^5
10^4
10^3
10^2
10
1

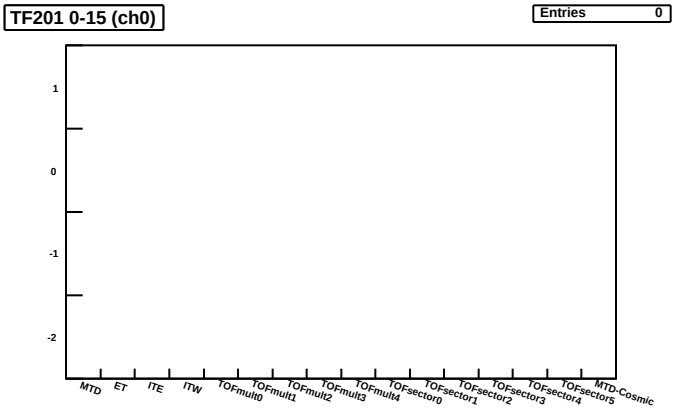

Input to FE001 QT board
Entries 2.880355e+07
ADC
channel

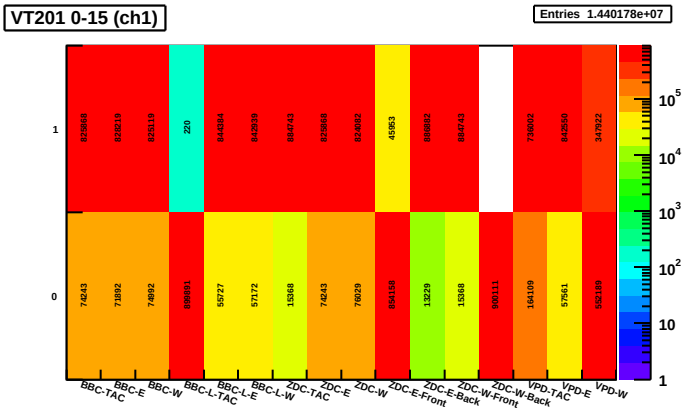

Input to FE002 QT board
Entries 2.880355e+07
ADC
channel

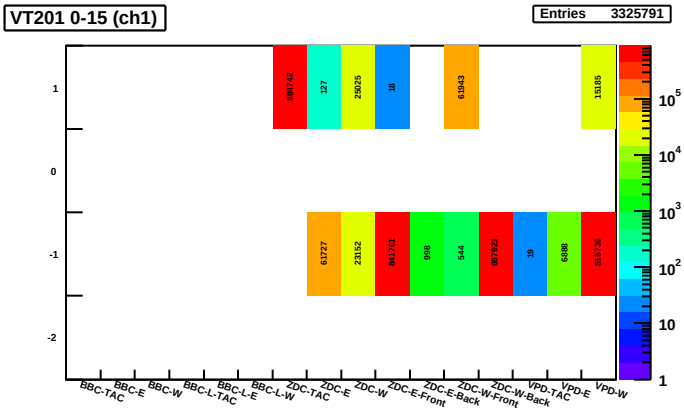

Input to FE003 QT board
Entries 2.880355e+07
ADC
channel

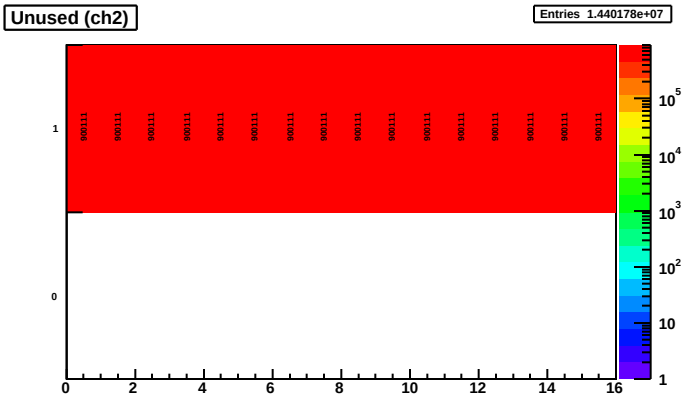

Input to FE004 QT board
Entries 2.880355e+07
ADC
channel

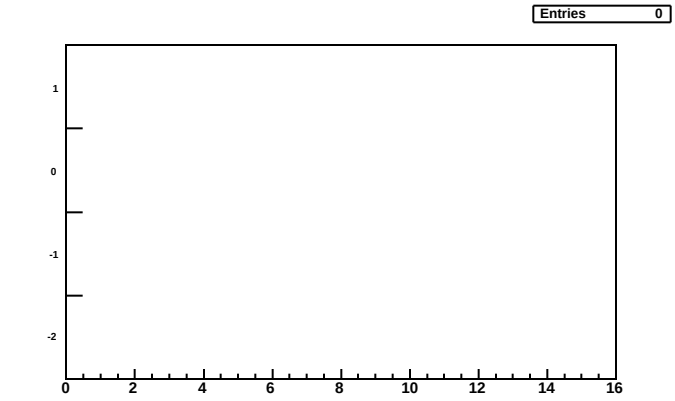

TF201 0-15 (ch0)
Entries 1.440178e+07
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

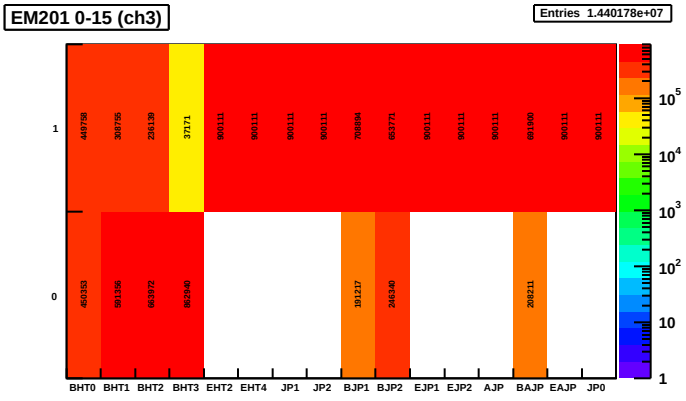

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

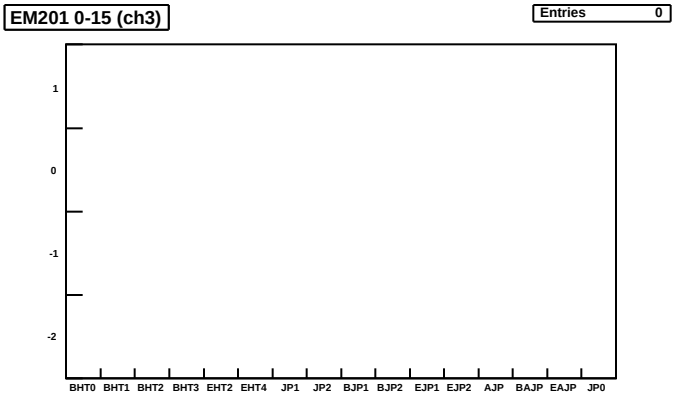

VT201 0-15 (ch1)
Entries 1.440178e+07
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

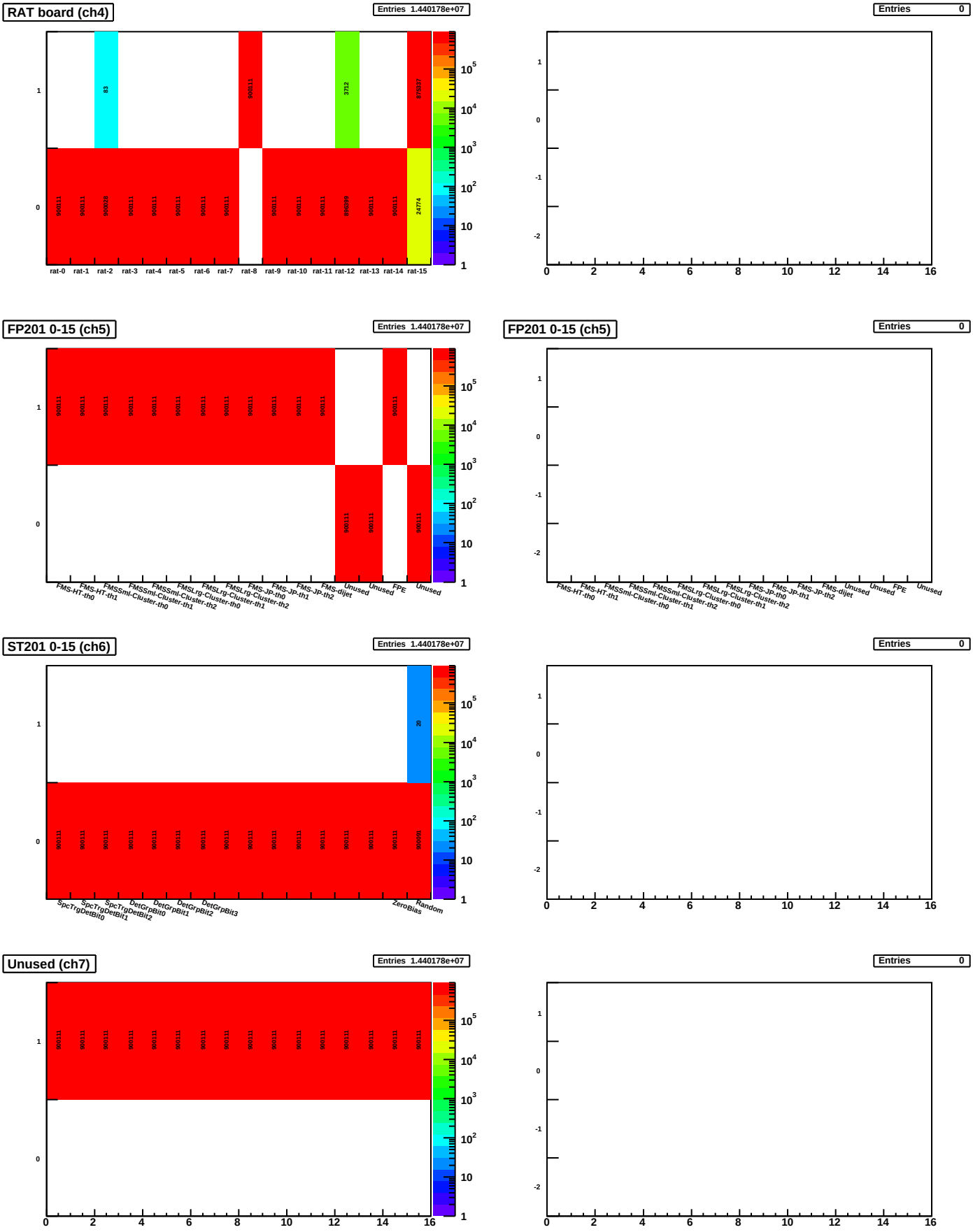

VT201 0-15 (ch1)
Entries 3325791
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


Unused (ch2)
Entries 1.440178e+07


Entries 0


EM201 0-15 (ch3)
Entries 1.440178e+07
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)
Entries 1.440178e+07
Entries 0
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15
FP201 0-15 (ch5)
Entries 1.440178e+07
Entries 0
FMS-HT-th0 FMS-HT-th1 FMSSml-Cluster-th0 FMSSml-Cluster-th1 FMSSml-Cluster-th2 FMSLrg-Cluster-th0 FMSLrg-Cluster-th1 FMSLrg-Cluster-th2 FMS-JP-th0 FMS-JP-th1 FMS-JP-th2 FMS-dijet Unused Unused FPE Unused
ST201 0-15 (ch6)
Entries 1.440178e+07
Entries 0
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetGrpBit0 DetGrpBit1 DetGrpBit2 DetGrpBit3 ZeroBias Random
Unused (ch7)
Entries 1.440178e+07
Entries 0