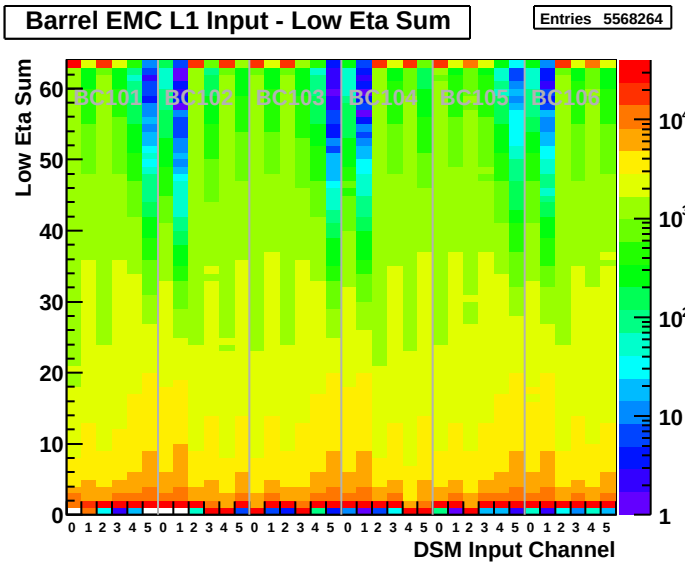
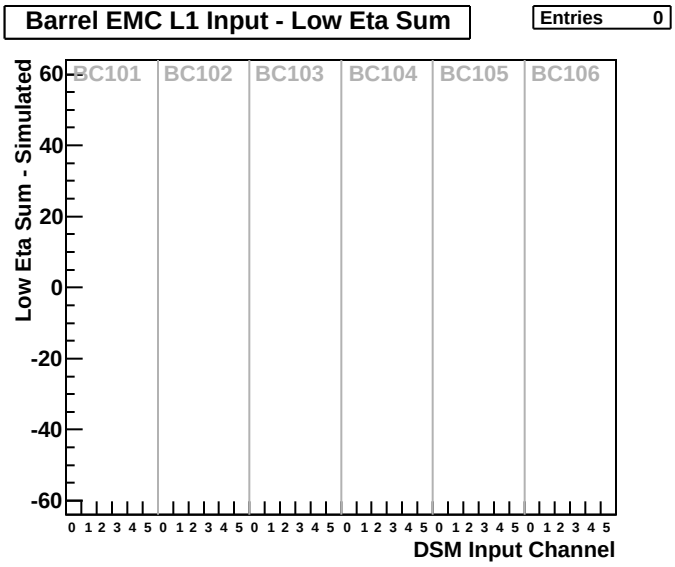
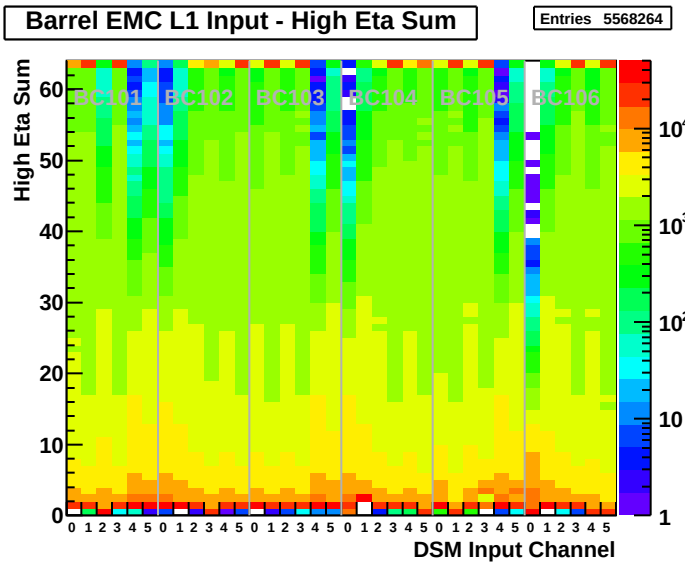
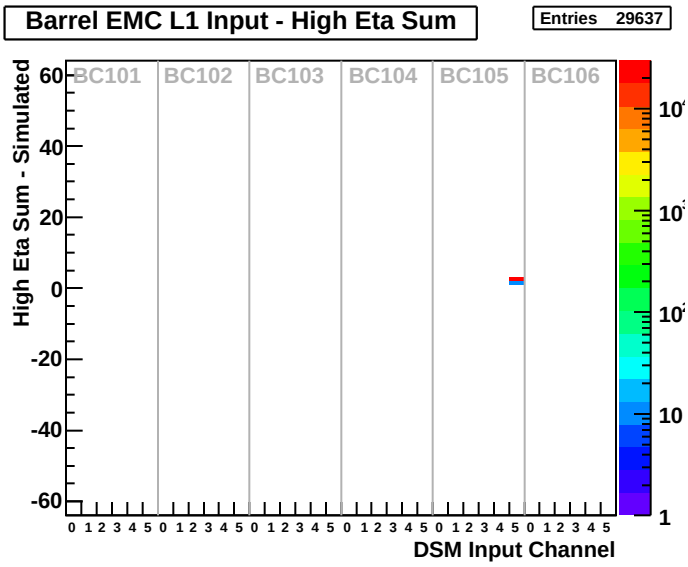
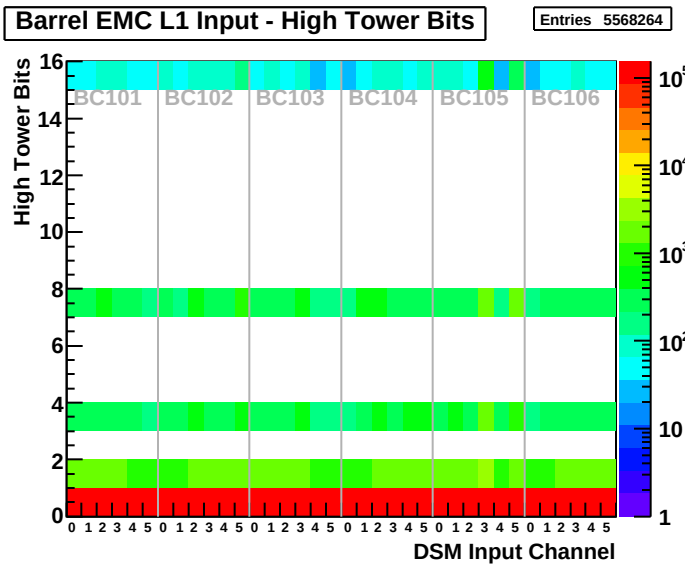
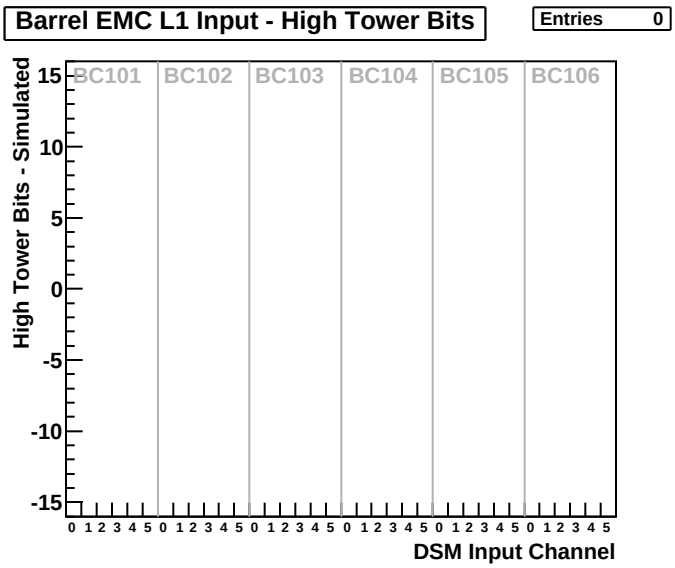

Barrel EMC L1 Input - Low Eta Sum
Entries 5568264
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

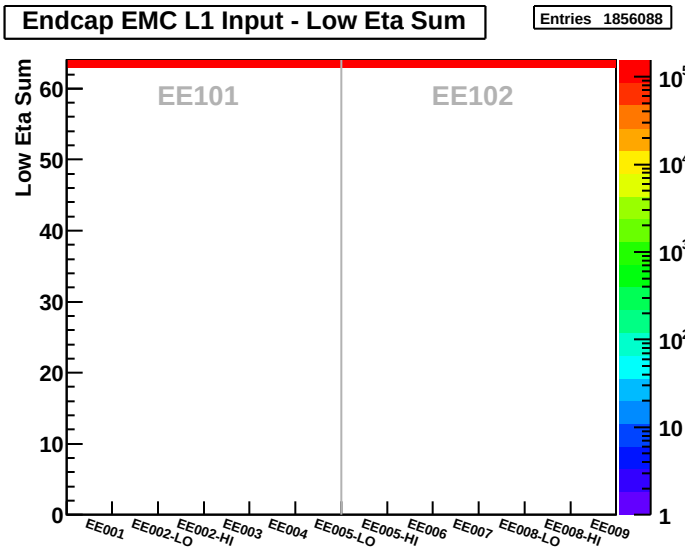

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

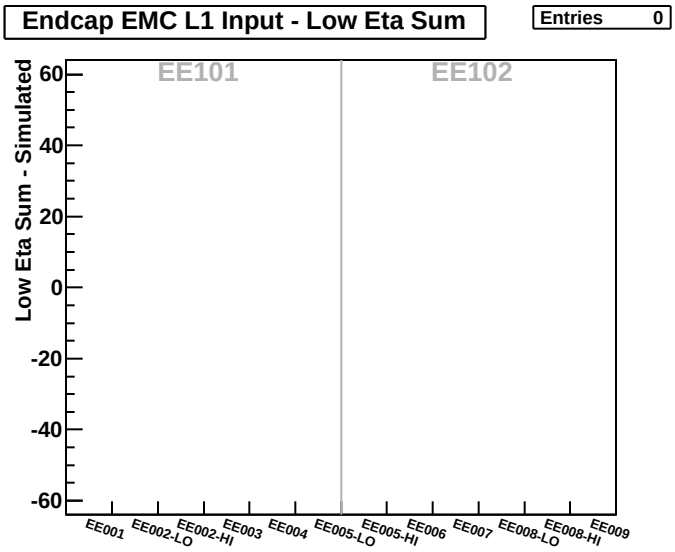

Barrel EMC L1 Input - High Eta Sum
Entries 5568264
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

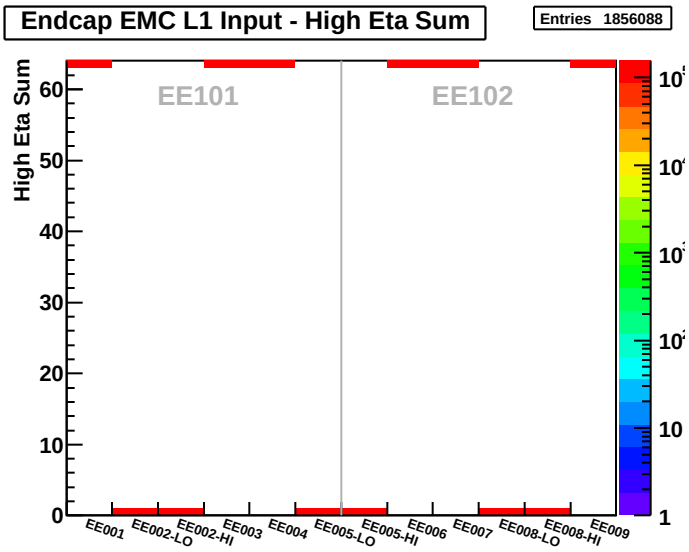

Barrel EMC L1 Input - High Eta Sum
Entries 29637
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

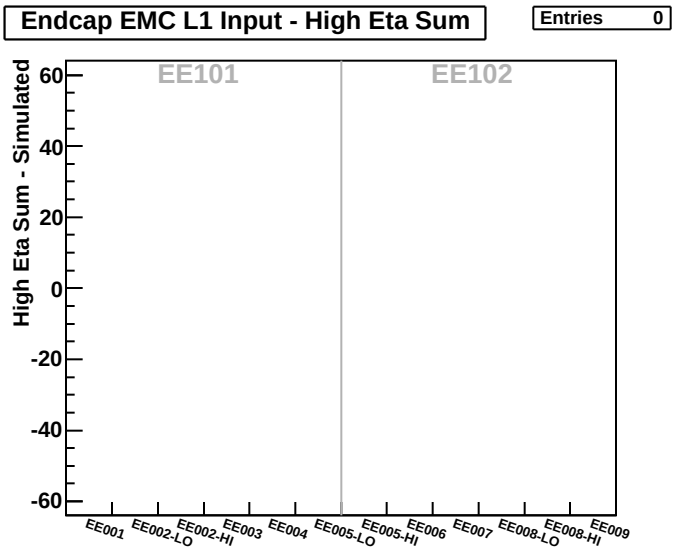

Barrel EMC L1 Input - High Tower Bits
Entries 5568264
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

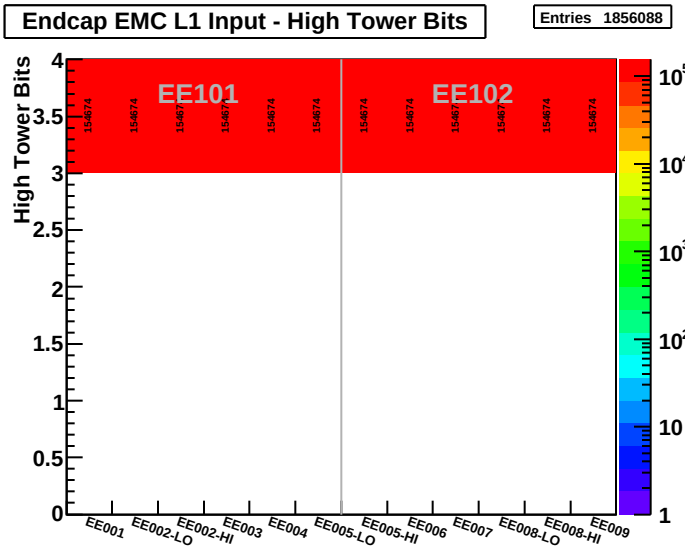

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

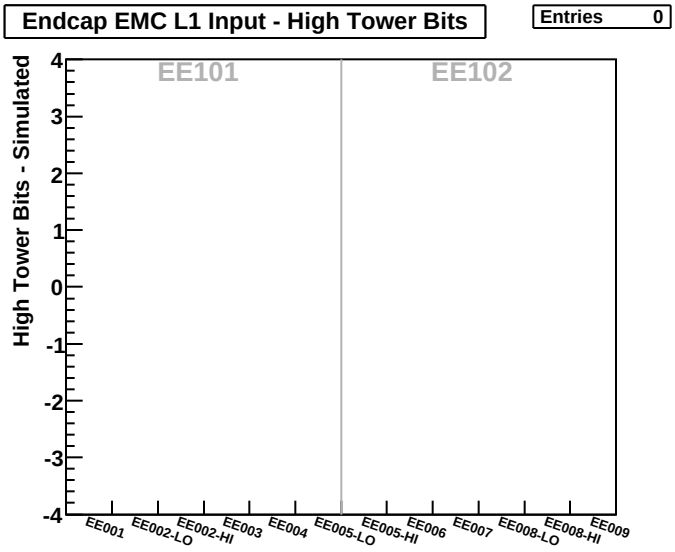

Endcap EMC L1 Input - Low Eta Sum
Entries 1856088
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

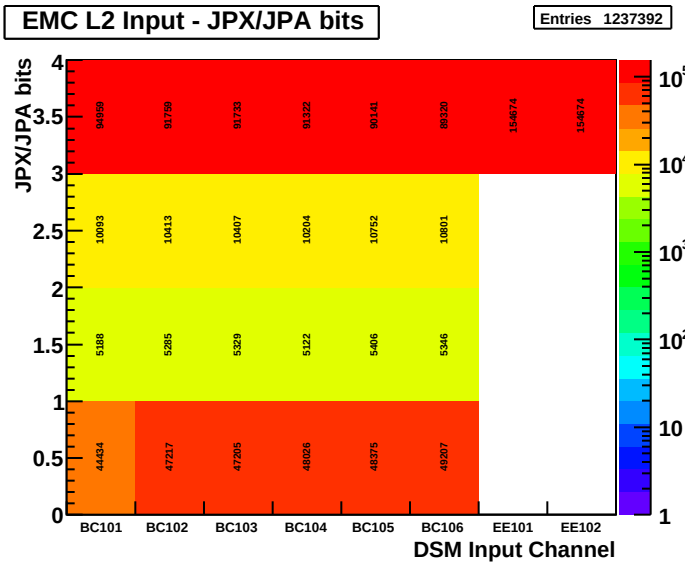

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

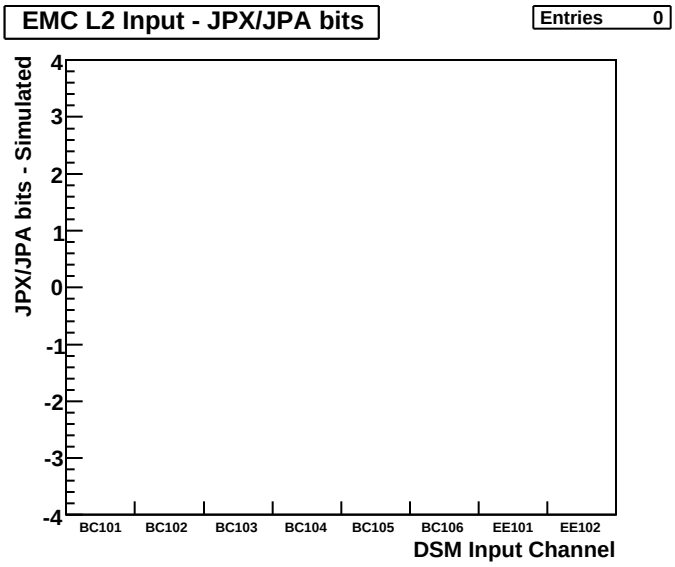

Endcap EMC L1 Input - High Eta Sum
Entries 1856088
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

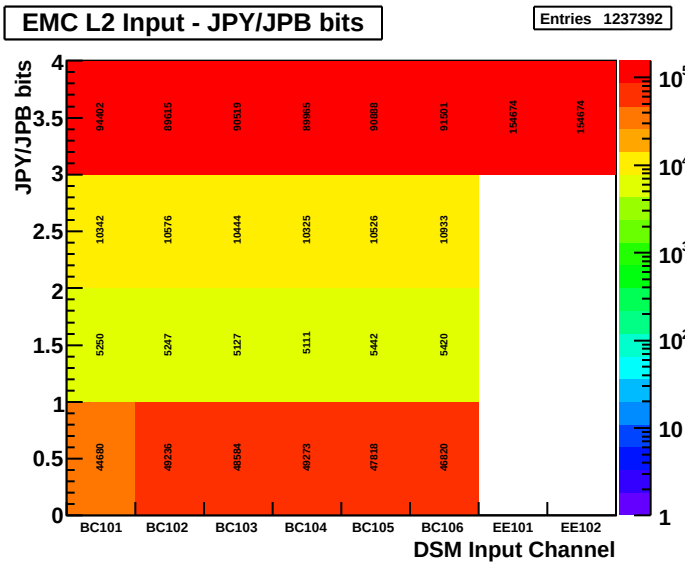

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

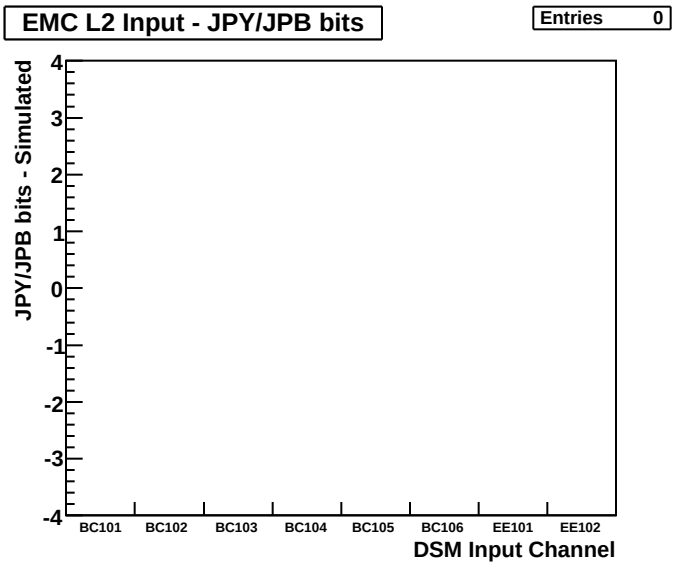

Endcap EMC L1 Input - High Tower Bits
Entries 1856088
High Tower Bits
EE101
EE102
154674
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

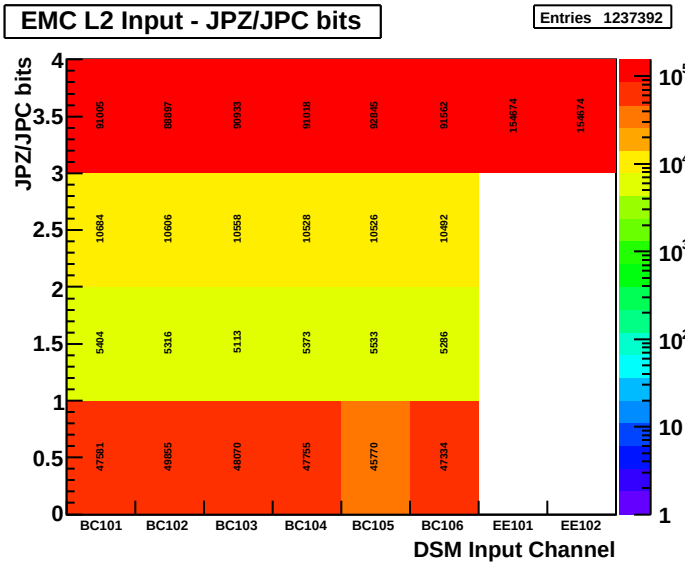

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

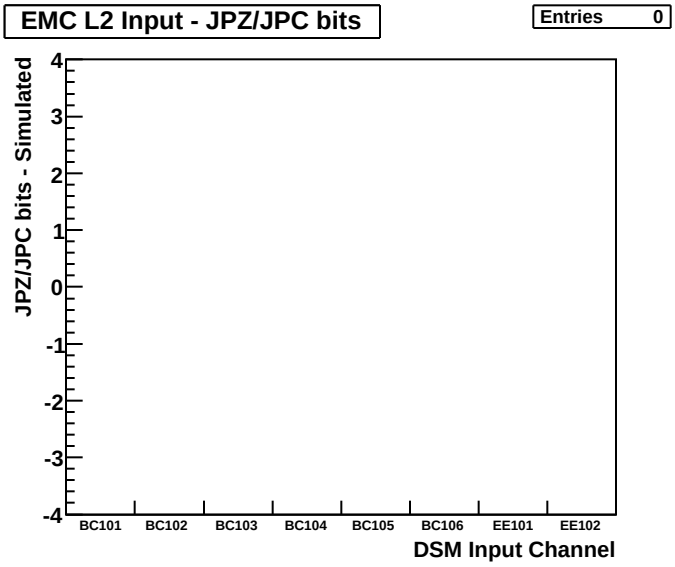

EMC L2 Input - JPX/JPA bits
Entries 1237392
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
94959 91759 91733 91322 90141 89320 154674 154674
10093 10413 10407 10204 10752 10801
5188 5285 5329 5122 5406 5346
44434 47217 47205 48026 48375 49207

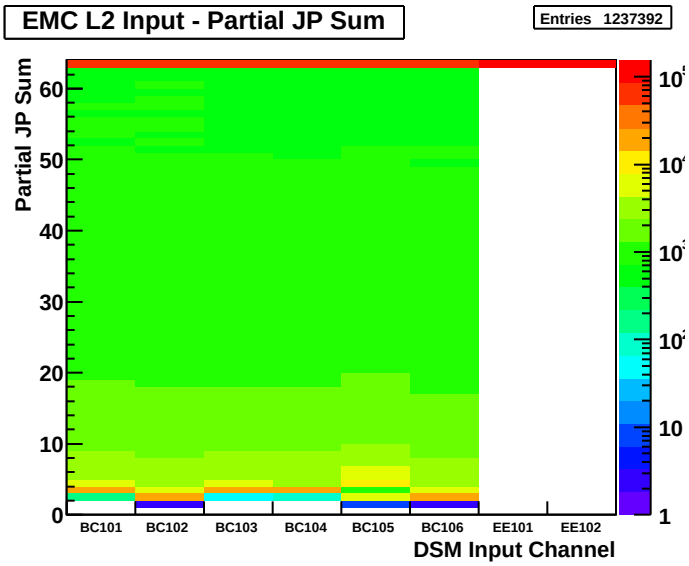

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

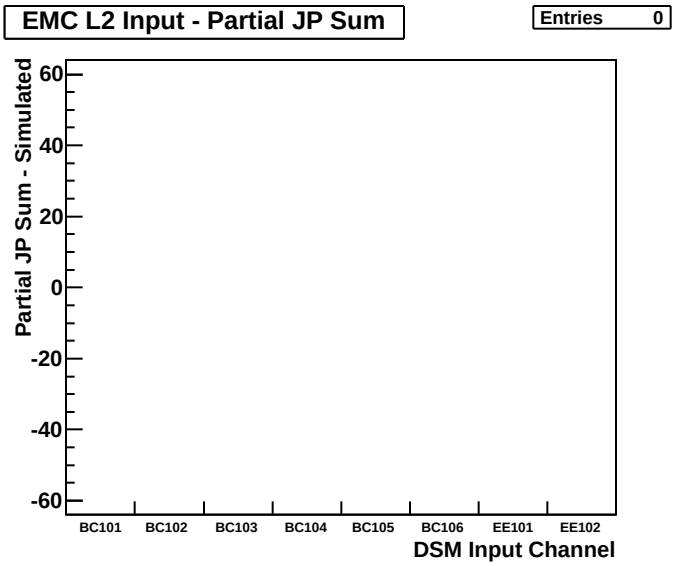

EMC L2 Input - JPY/JPB bits
Entries 1237392
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
94402 89615 90519 89965 90888 91501 154674 154674
10342 10576 10444 10325 10526 10933
5250 5247 5127 5111 5442 5420
44680 49236 48594 49273 47818 46820

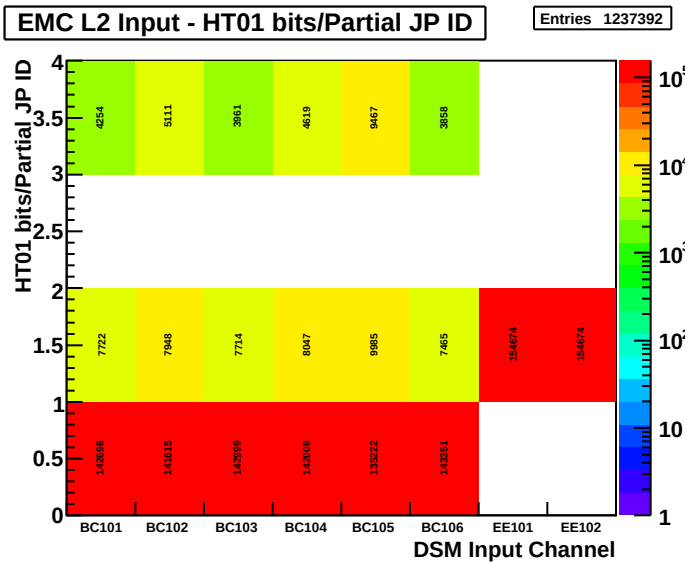

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

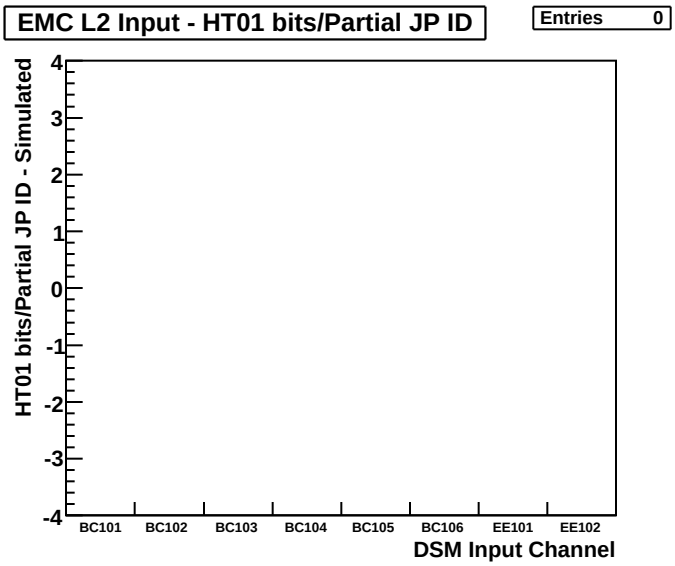

EMC L2 Input - JPZ/JPC bits
Entries 1237392
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
91005 88897 90933 91018 92845 91562 154674 154674
10684 10606 10558 10528 10526 10492
5404 5316 5113 5373 5533 5286
47881 49855 48070 47755 45770 47334

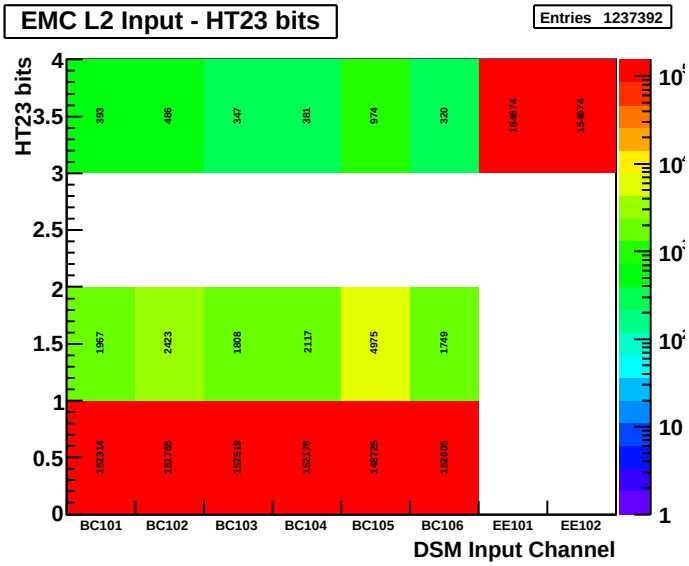

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

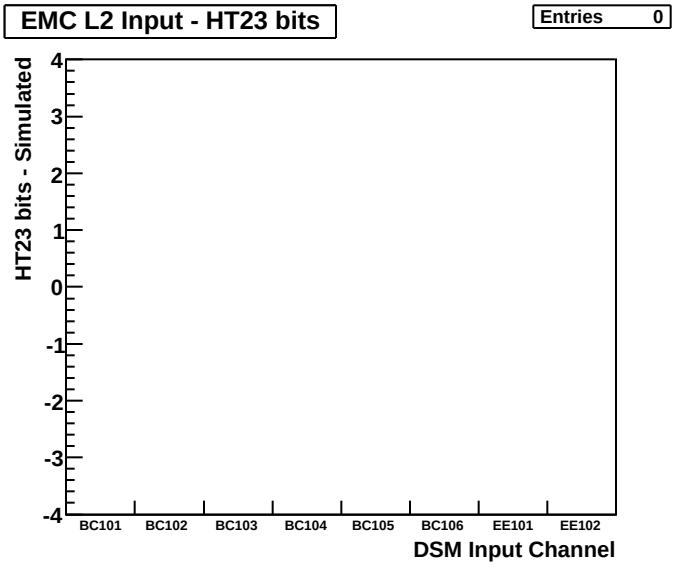

EMC L2 Input - Partial JP Sum
Entries 1237392
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

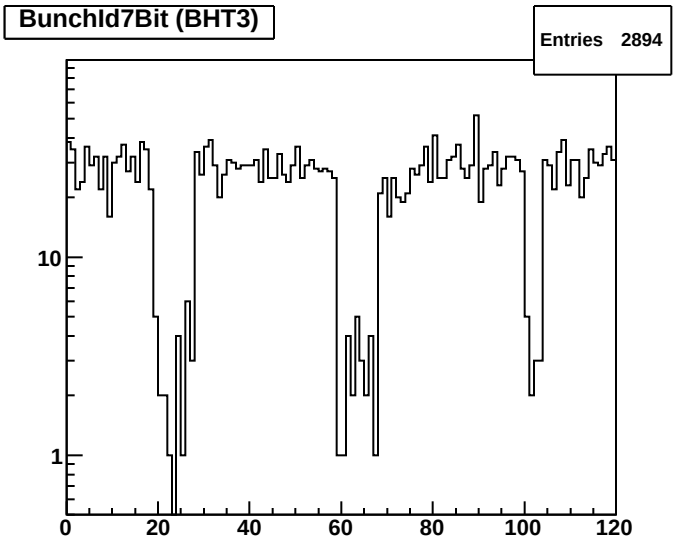

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

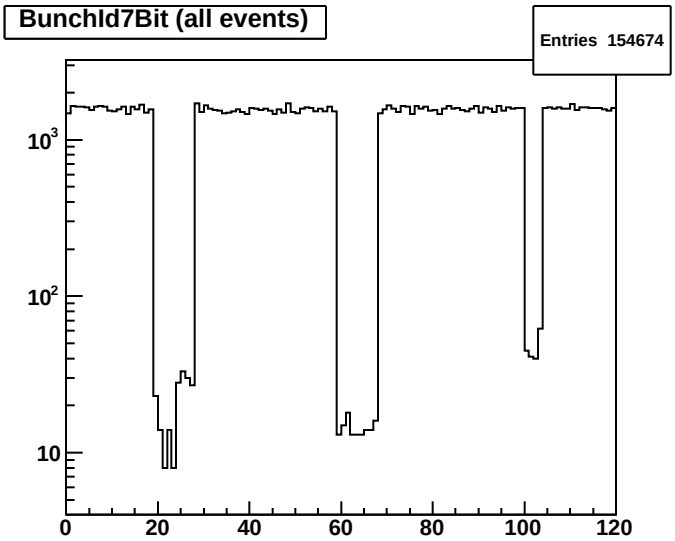

EMC L2 Input - HT01 bits/Partial JP ID
Entries 1237392
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

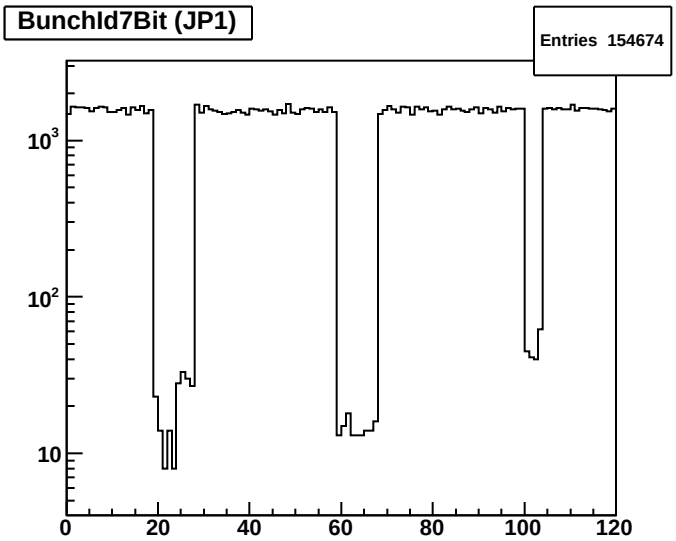

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

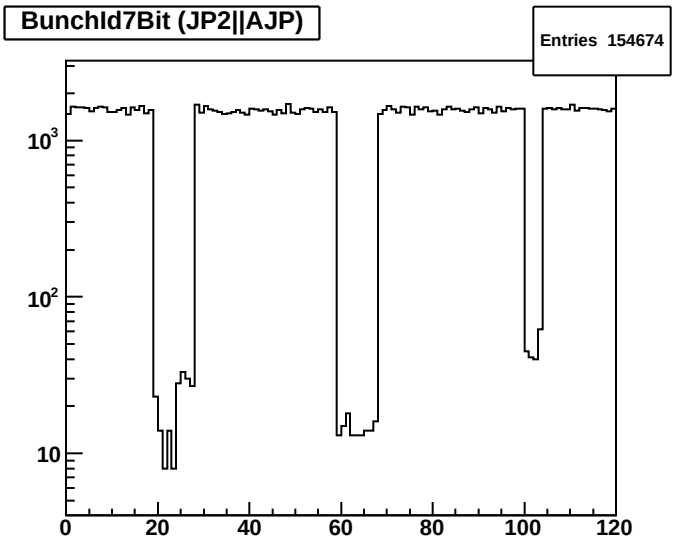

EMC L2 Input - HT23 bits
Entries 1237392
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

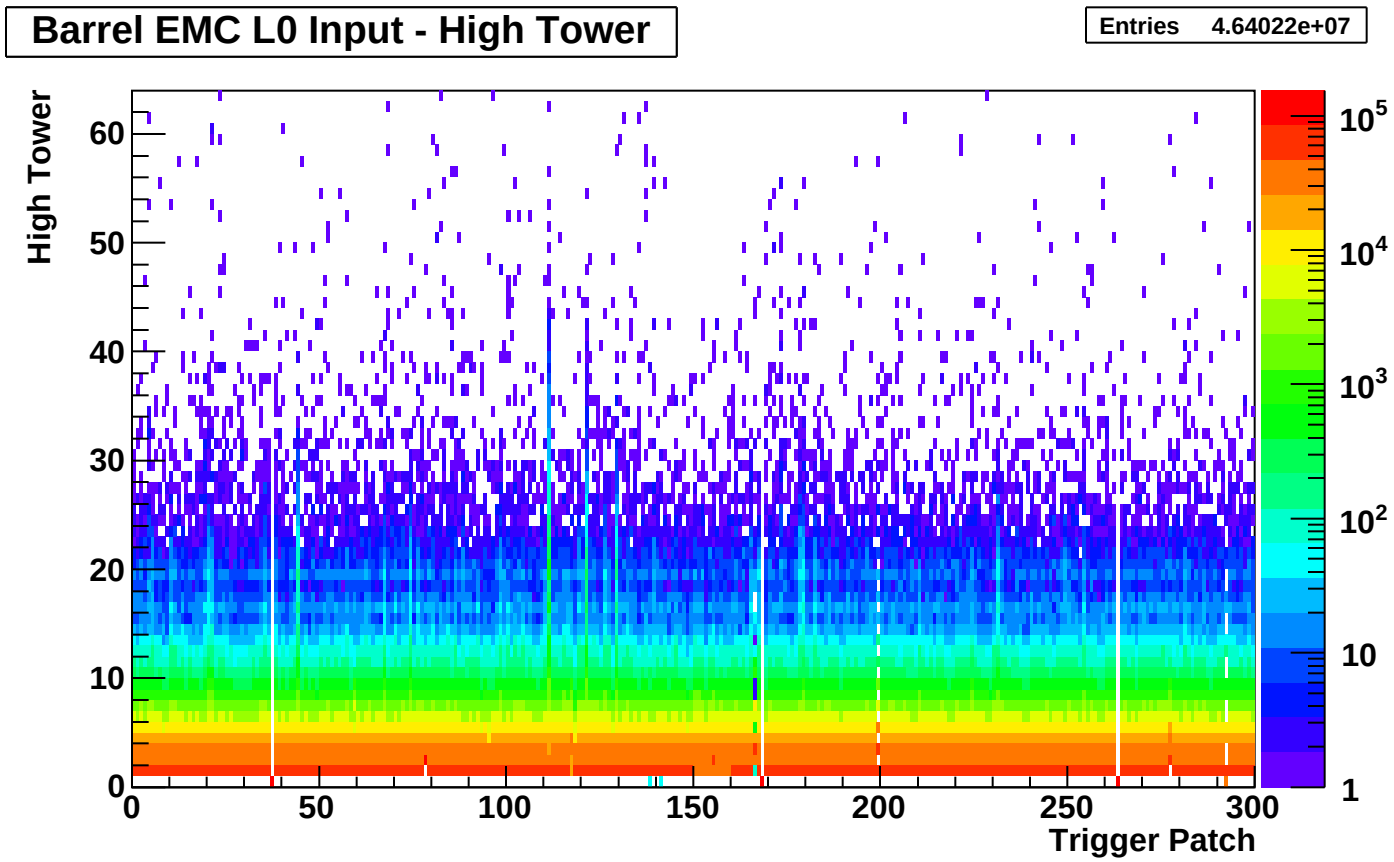

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

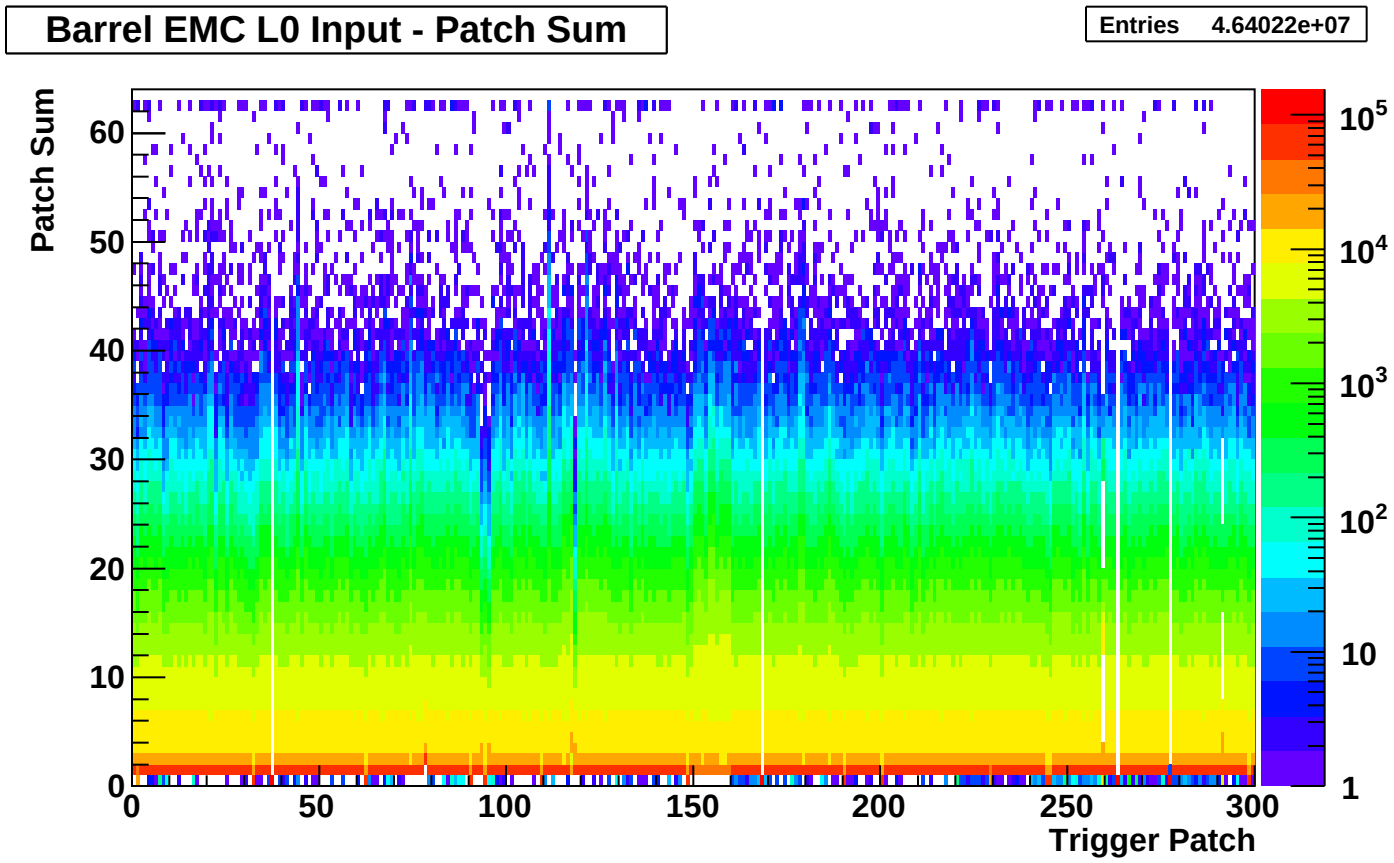

BunchId7Bit (BHT3)
Entries 2894
10
1
0
20
40
60
80
100
120

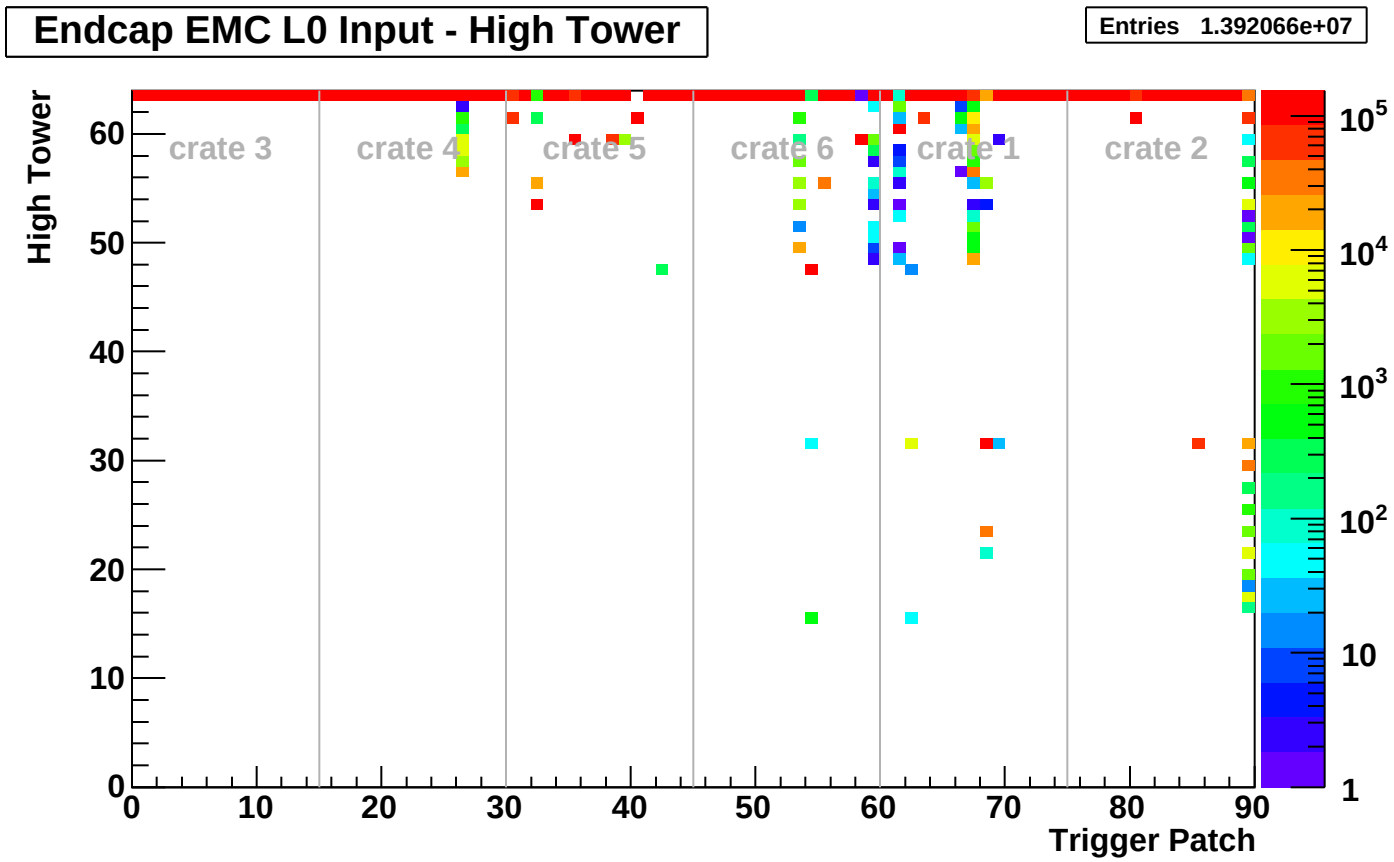

BunchId7Bit (all events)
Entries 154674
10^3
10^2
10
0
20
40
60
80
100
120

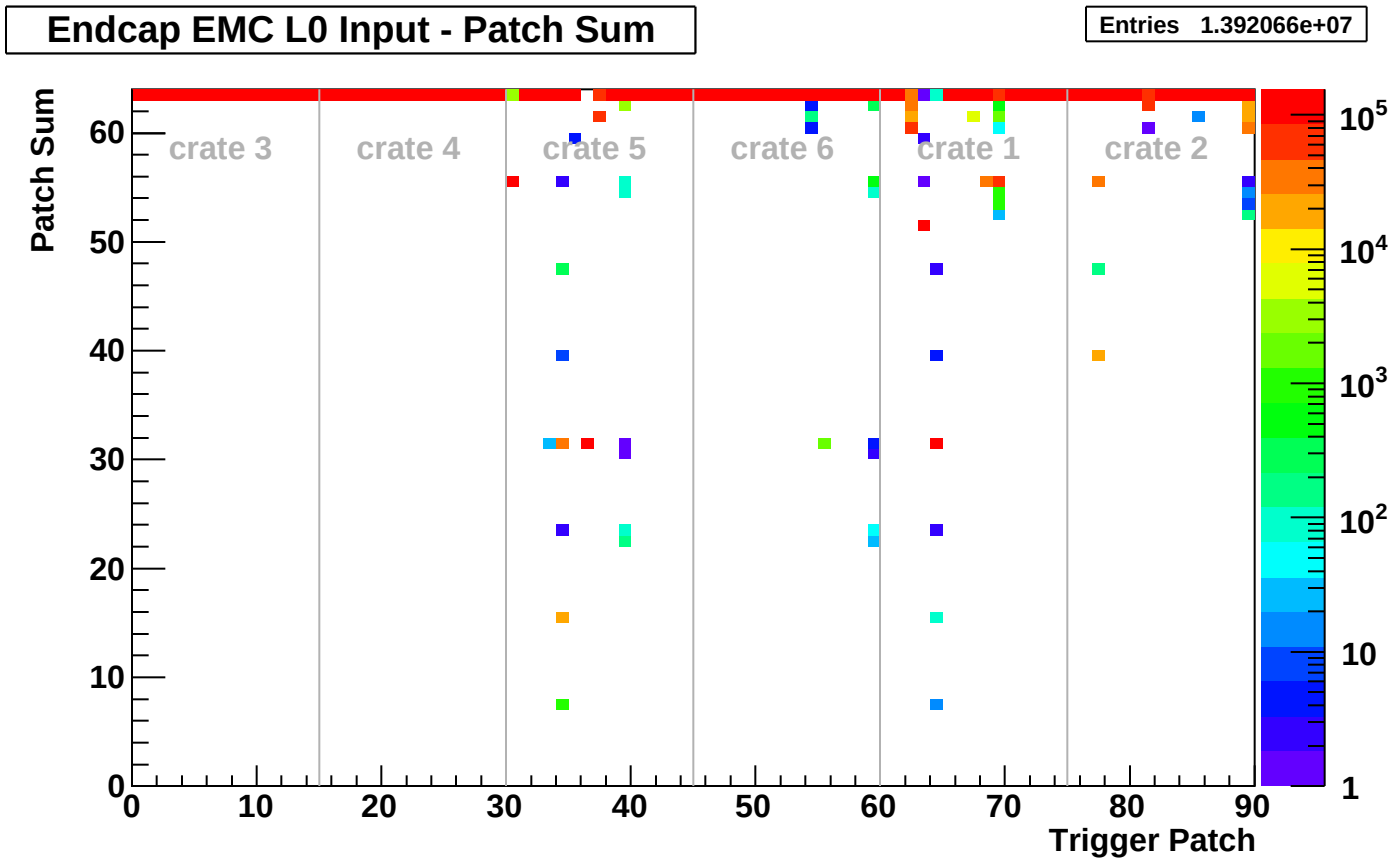

BunchId7Bit (JP1)
Entries 154674
10^3
10^2
10
0
20
40
60
80
100
120

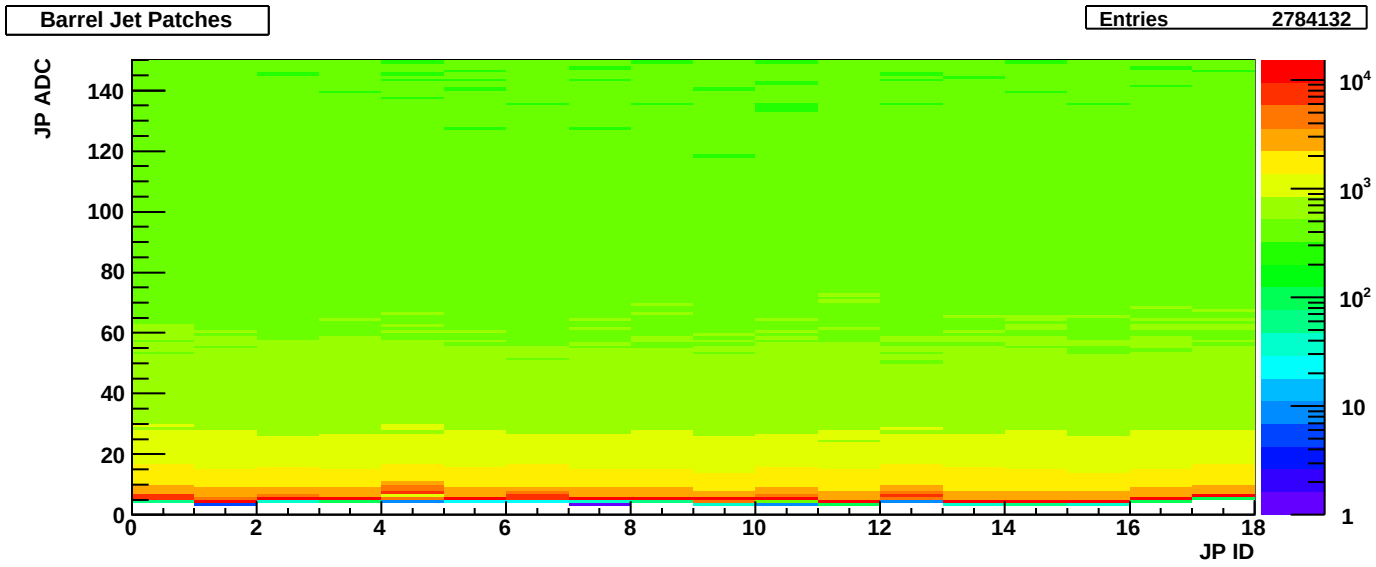

BunchId7Bit (JP2||AJP)
Entries 154674
10^3
10^2
10
0
20
40
60
80
100
120

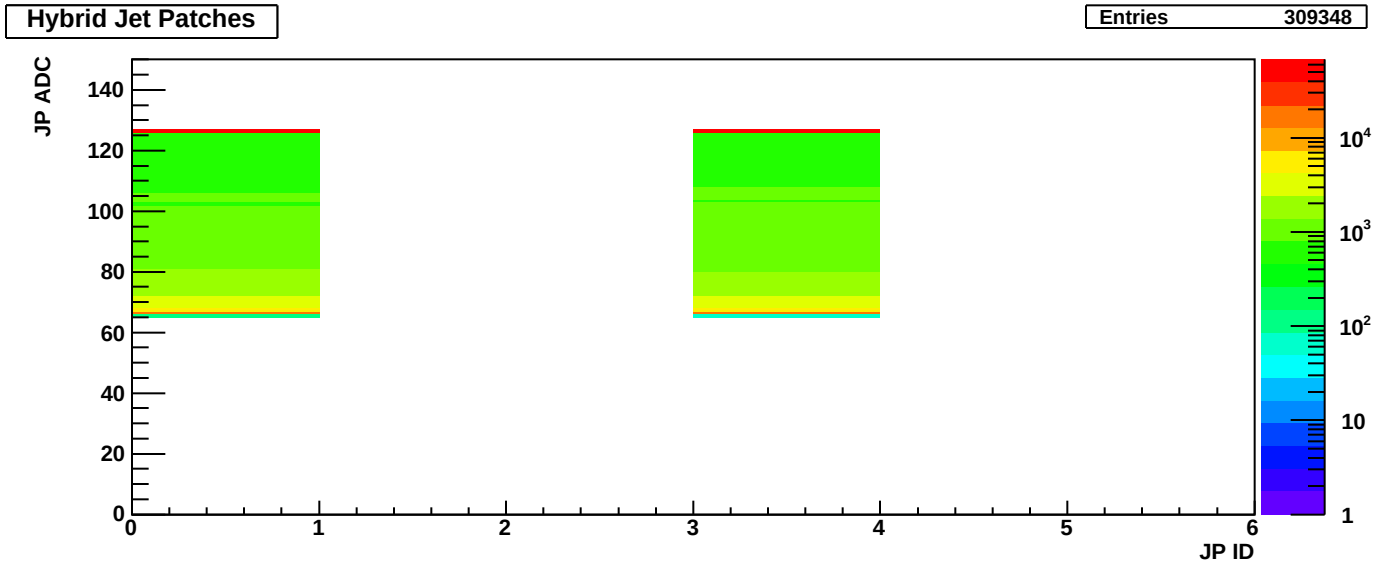

Barrel EMC L0 Input - High Tower
Entries 4.64022e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

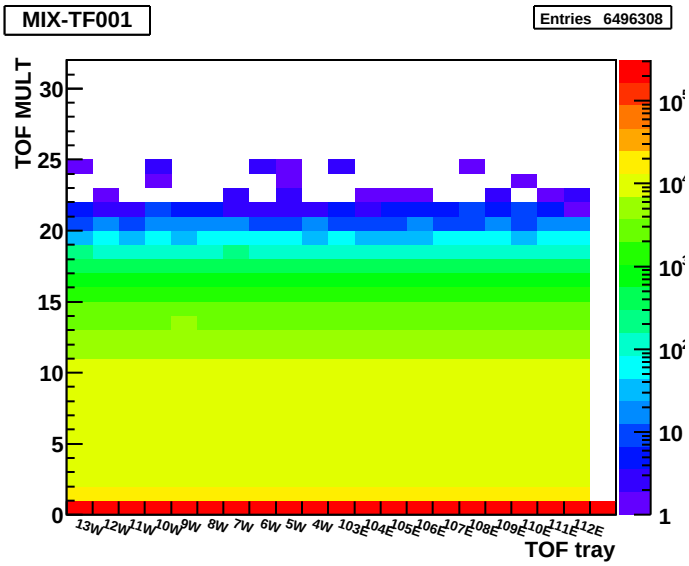

Barrel EMC L0 Input - Patch Sum
Entries 4.64022e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

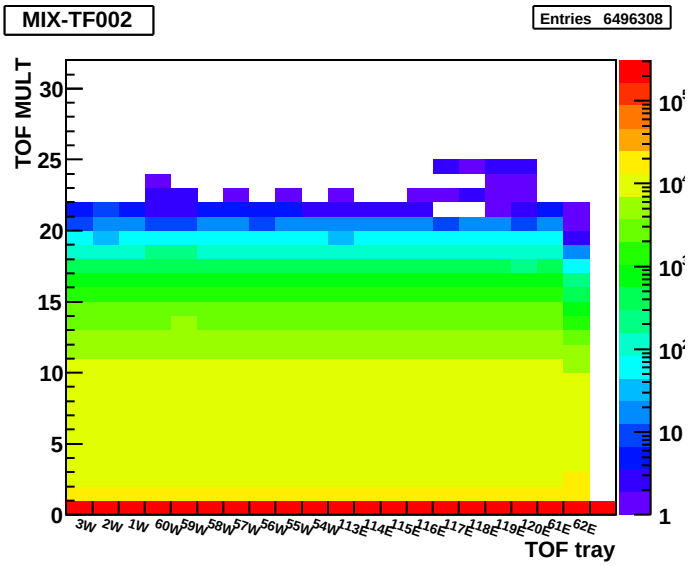

Endcap EMC L0 Input - High Tower
Entries 1.392066e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

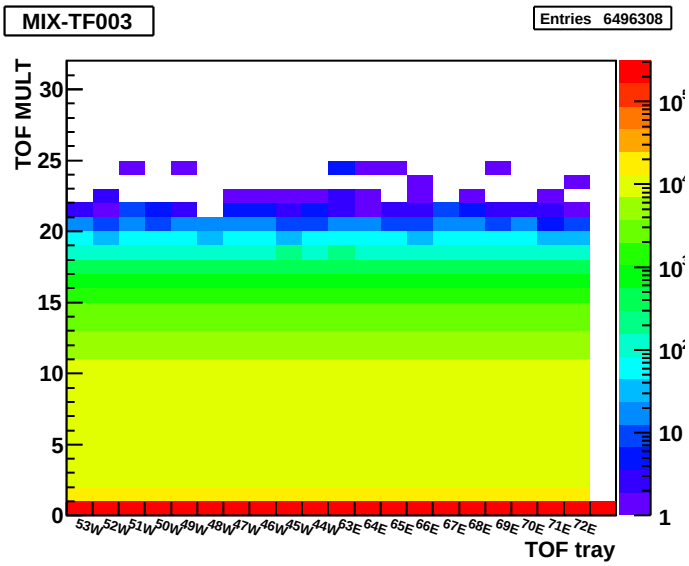

Endcap EMC L0 Input - Patch Sum
Entries 1.392066e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

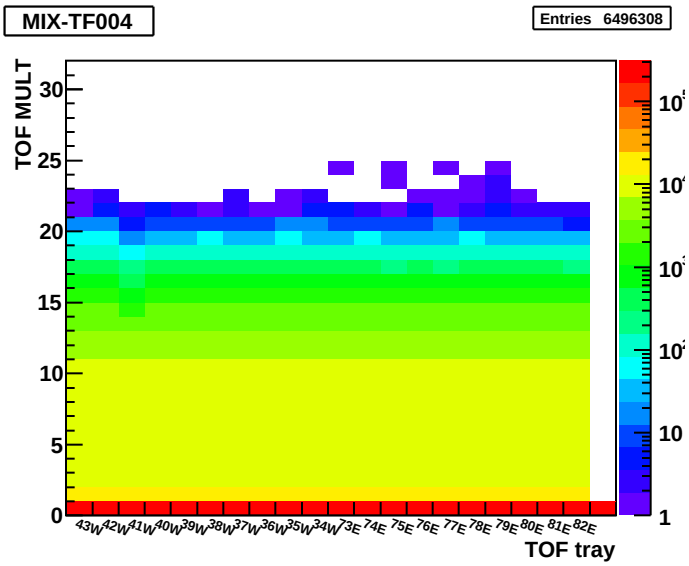

Barrel Jet Patches
Entries 2784132
JP ADC
JP ID

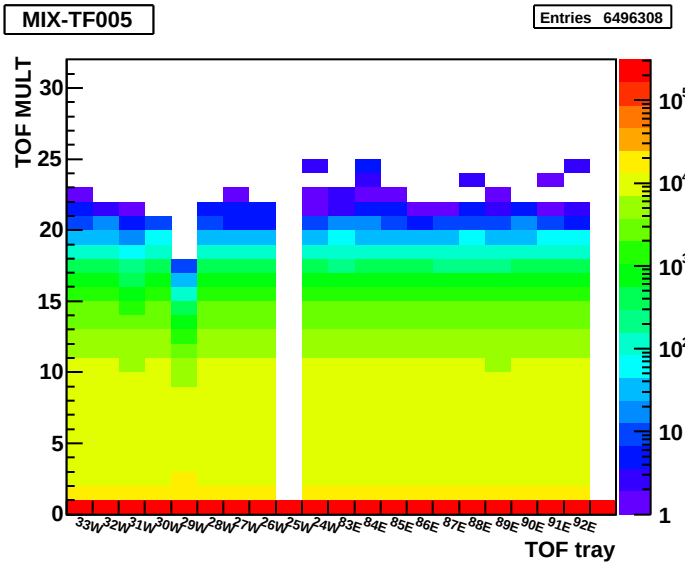

Hybrid Jet Patches
Entries 309348
JP ADC
JP ID

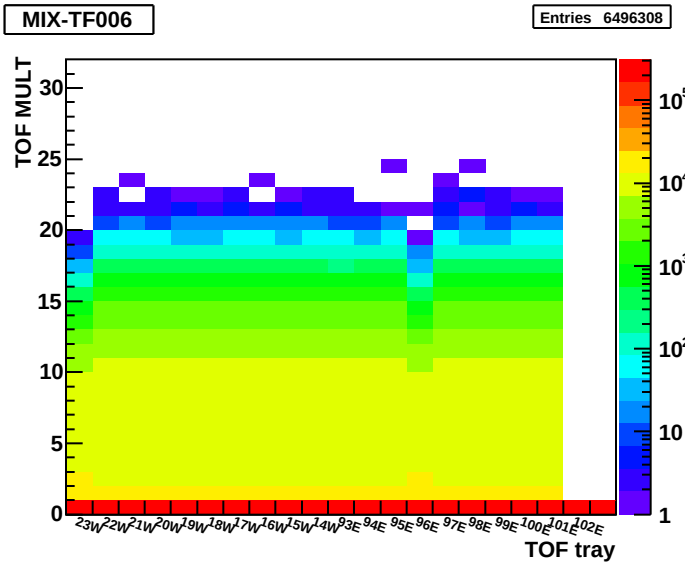

MIX-TF001
Entries 6496308
TOF MULT
TOF tray

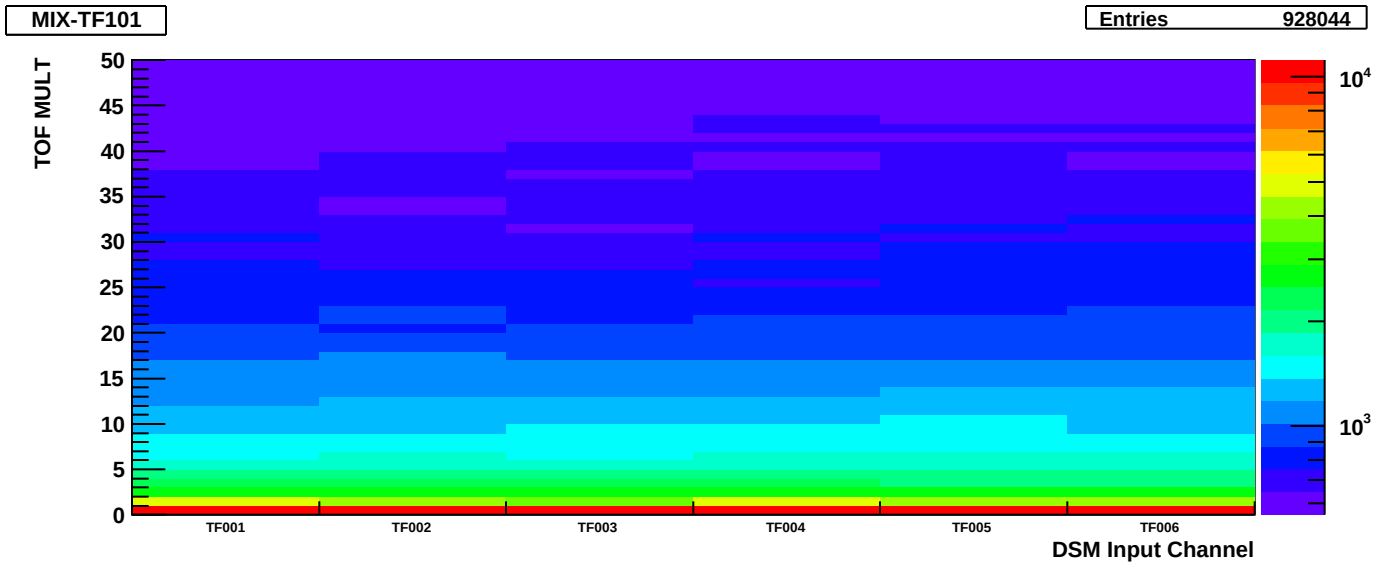

MIX-TF002
Entries 6496308
TOF MULT
TOF tray

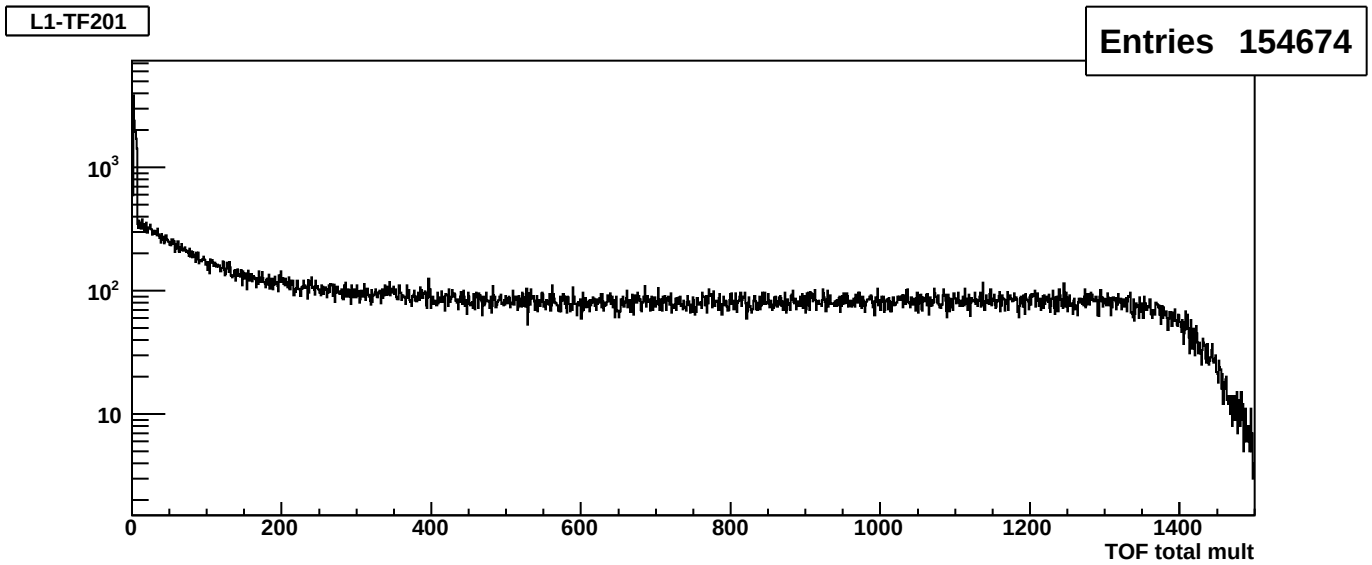

MIX-TF003
Entries 6496308
TOF MULT
TOF tray

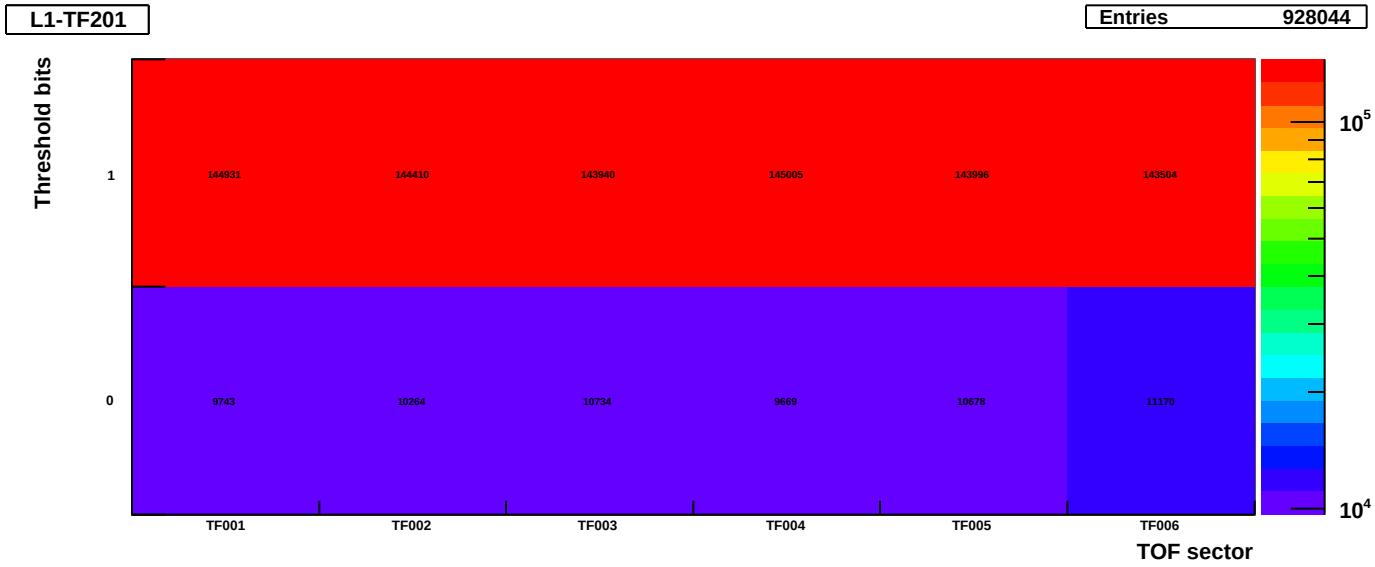

MIX-TF004
Entries 6496308
TOF MULT
TOF tray

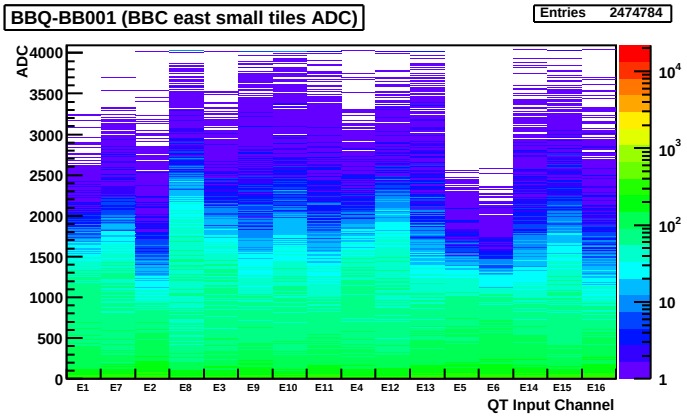

MIX-TF005
Entries 6496308
TOF MULT
TOF tray

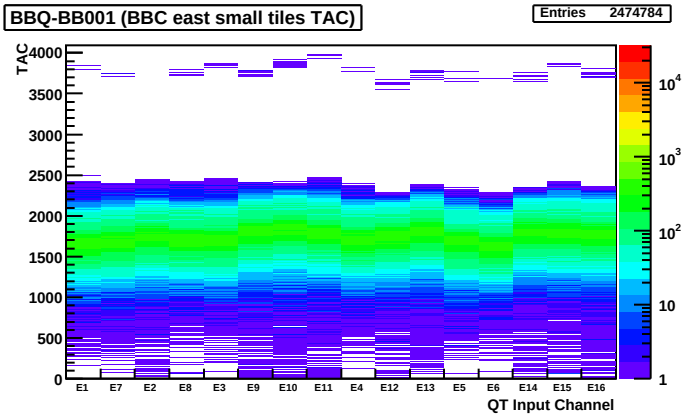

MIX-TF006
Entries 6496308
TOF MULT
TOF tray

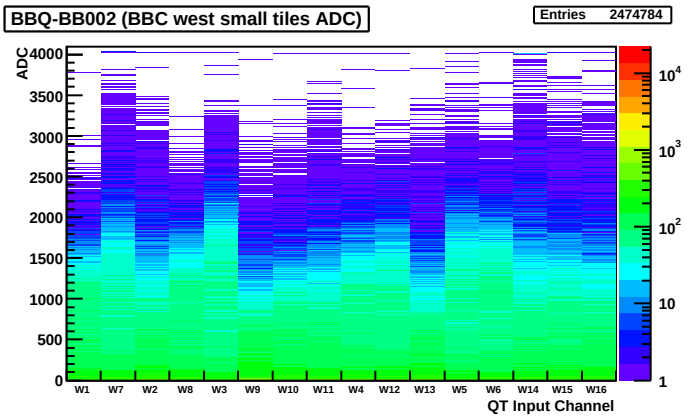

MIX-TF101
Entries 928044
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3

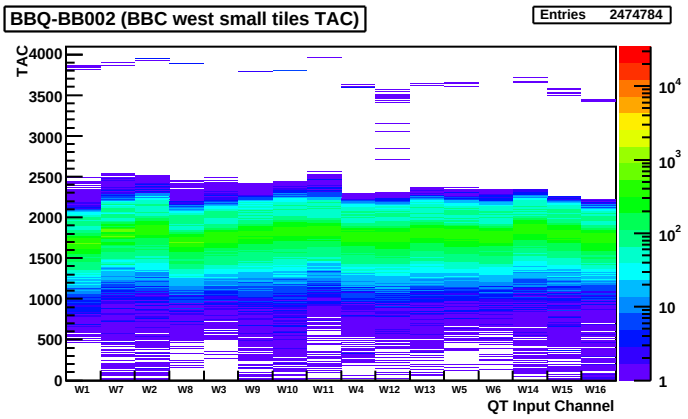

L1-TF201
Entries 154674
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

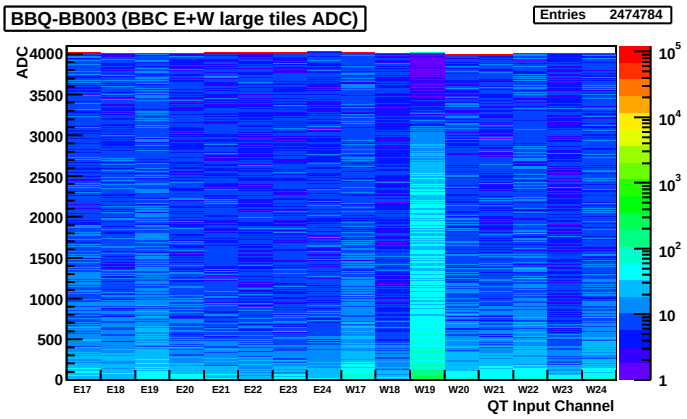

L1-TF201
Entries 928044
Threshold bits
1
0
144931
144410
143940
145005
143996
143504
9743
10264
10734
9669
10678
11170
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5
10^4

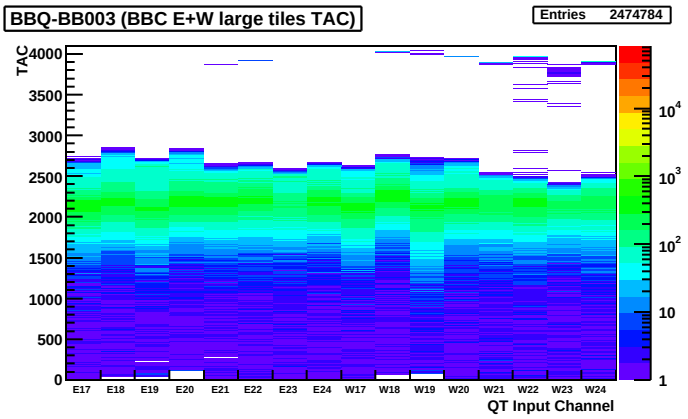

BBQ-BB001 (BBC east small tiles ADC)
Entries 2474784
ADC
QT Input Channel

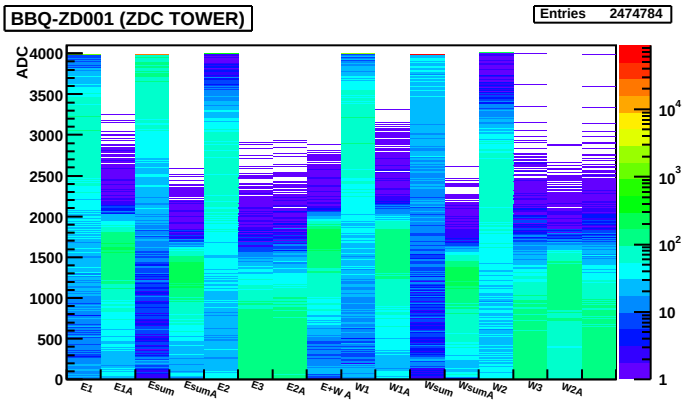

BBQ-BB001 (BBC east small tiles TAC)
Entries 2474784
TAC
QT Input Channel

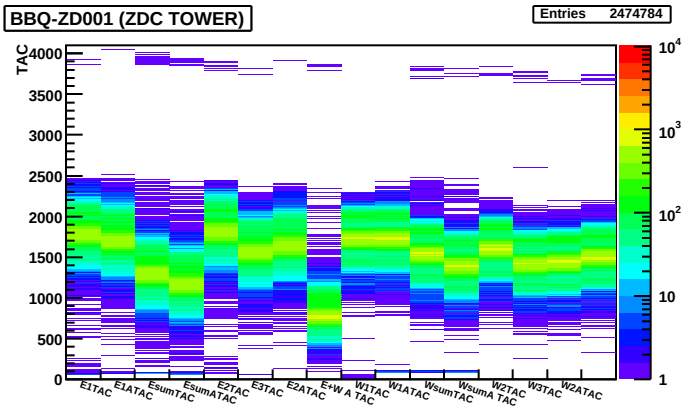

BBQ-BB002 (BBC west small tiles ADC)
Entries 2474784
ADC
QT Input Channel

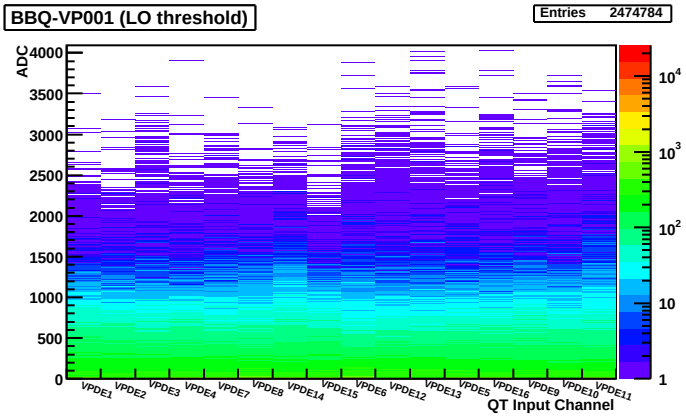

BBQ-BB002 (BBC west small tiles TAC)
Entries 2474784
TAC
QT Input Channel

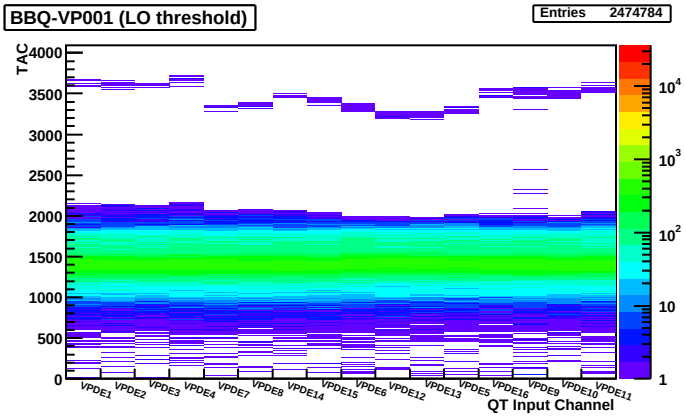

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 2474784
ADC
QT Input Channel

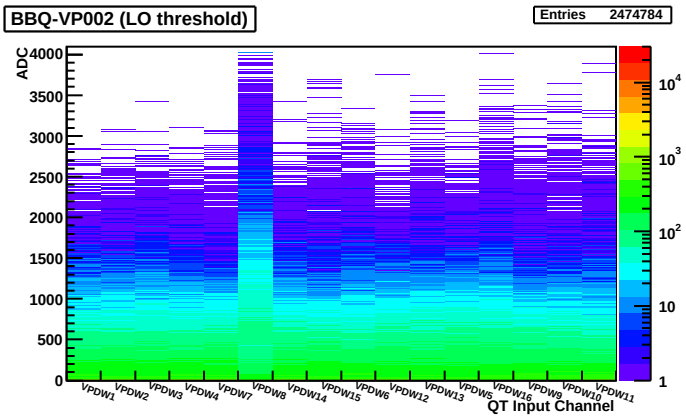

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 2474784
TAC
QT Input Channel

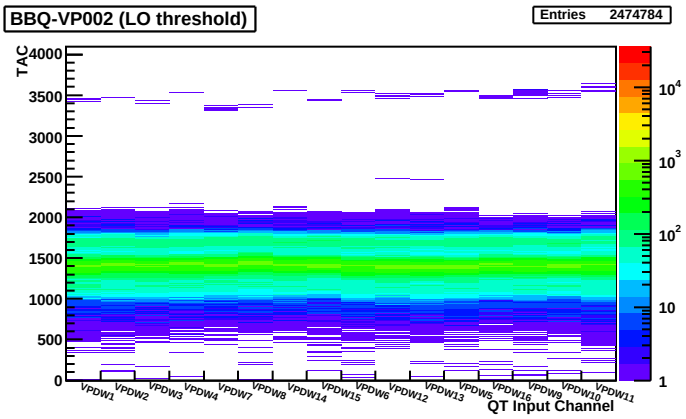

BBQ-ZD001 (ZDC TOWER)
Entries 2474784
ADC

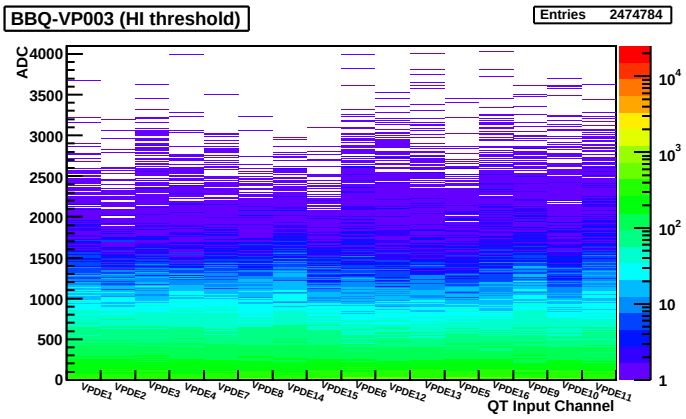

BBQ-ZD001 (ZDC TOWER)
Entries 2474784
TAC

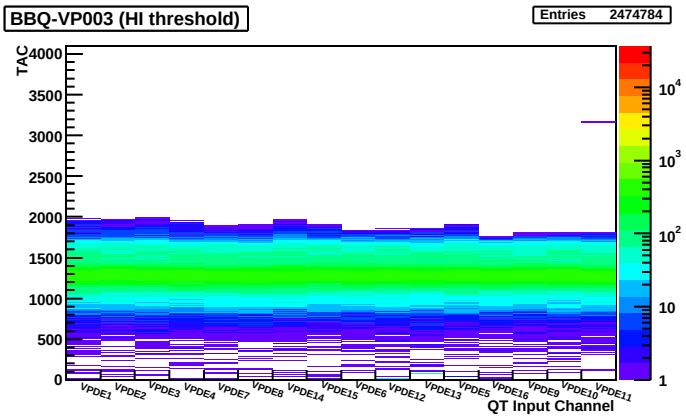

BBQ-VP001 (LO threshold)
Entries 2474784
ADC
QT Input Channel

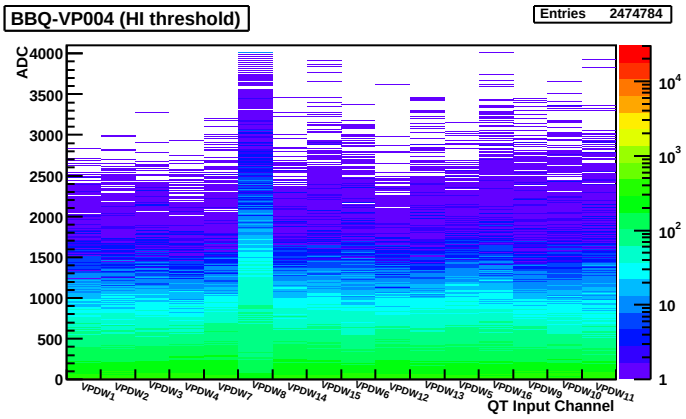

BBQ-VP001 (LO threshold)
Entries 2474784
TAC
QT Input Channel

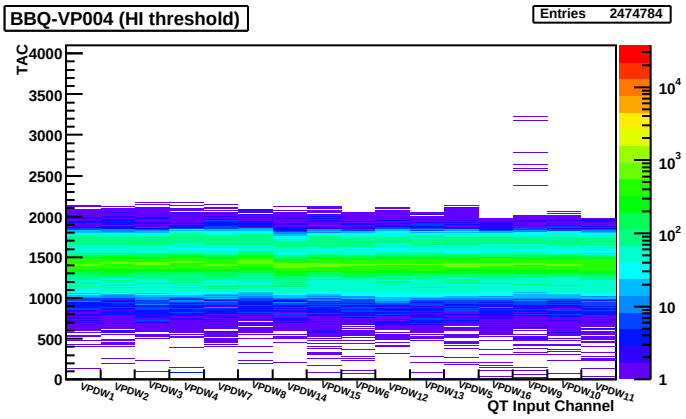

BBQ-VP002 (LO threshold)
Entries 2474784
ADC
QT Input Channel

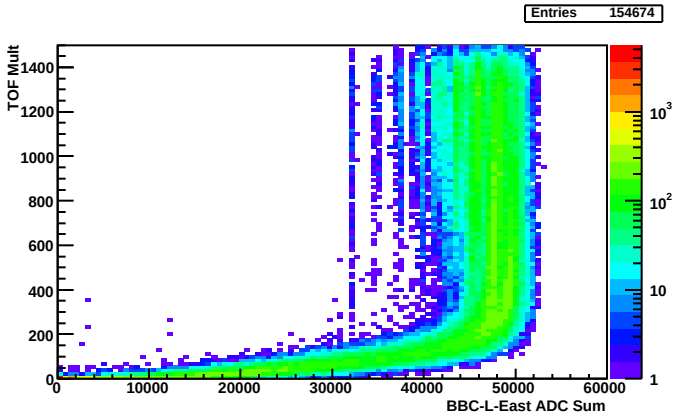

BBQ-VP002 (LO threshold)
Entries 2474784
TAC
QT Input Channel

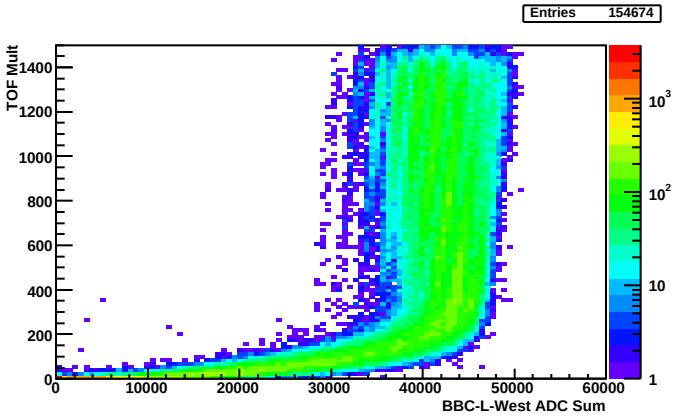

BBQ-VP003 (HI threshold)
Entries 2474784
ADC
QT Input Channel

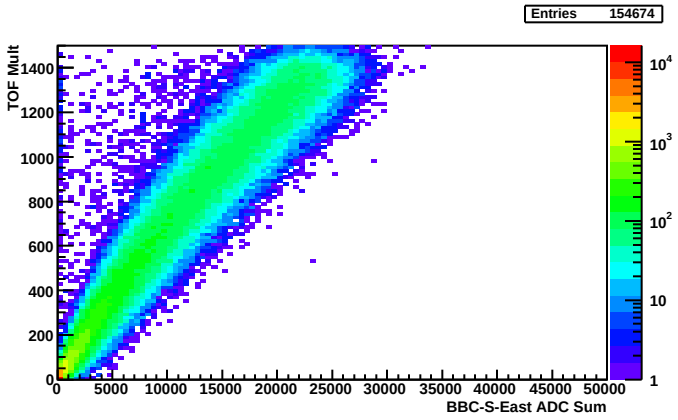

BBQ-VP003 (HI threshold)
Entries 2474784
TAC
QT Input Channel

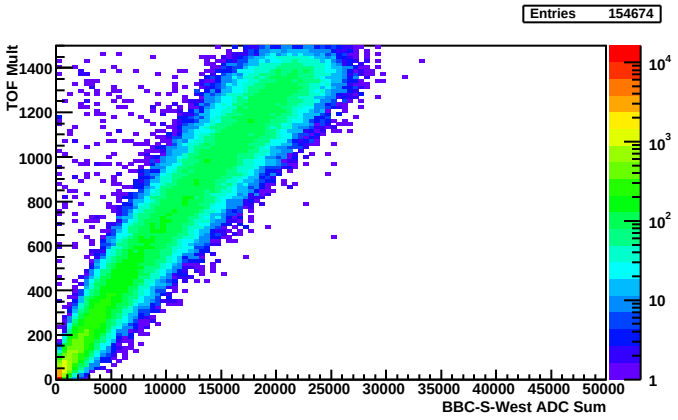

BBQ-VP004 (HI threshold)
Entries 2474784
ADC
QT Input Channel

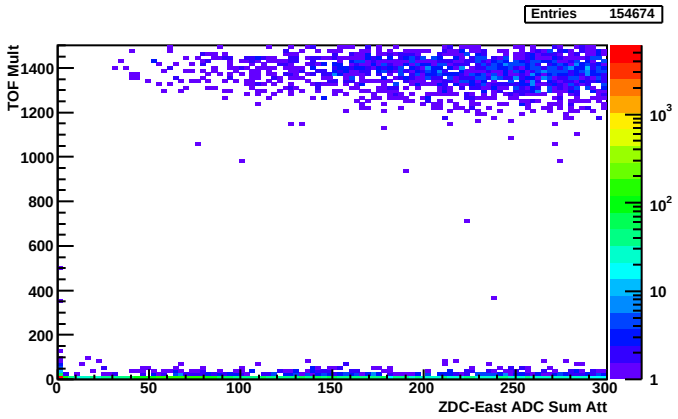

BBQ-VP004 (HI threshold)
Entries 2474784
TAC
QT Input Channel

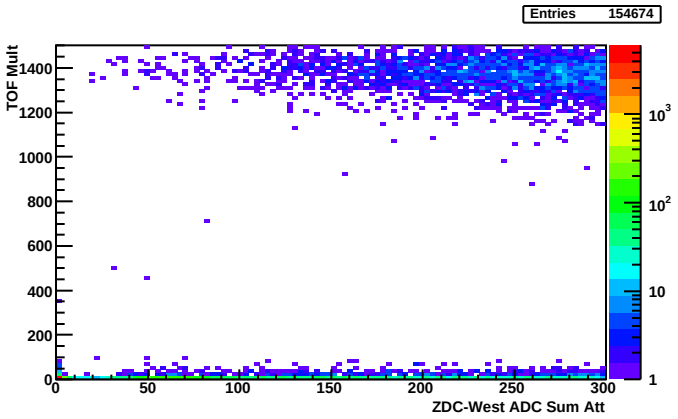

Entries 154674
TOF Mult
BBC-L-East ADC Sum

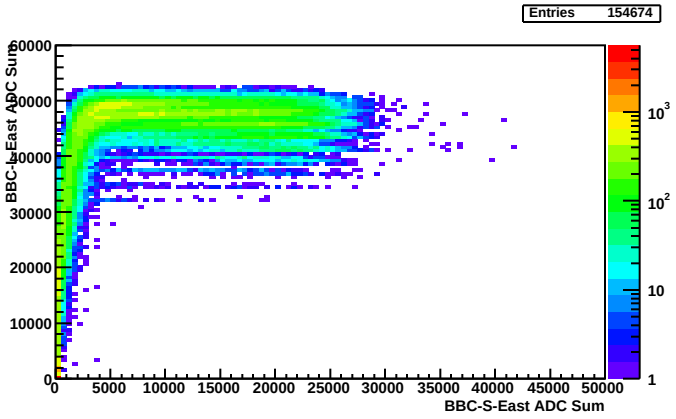

Entries 154674
TOF Mult
BBC-L-West ADC Sum

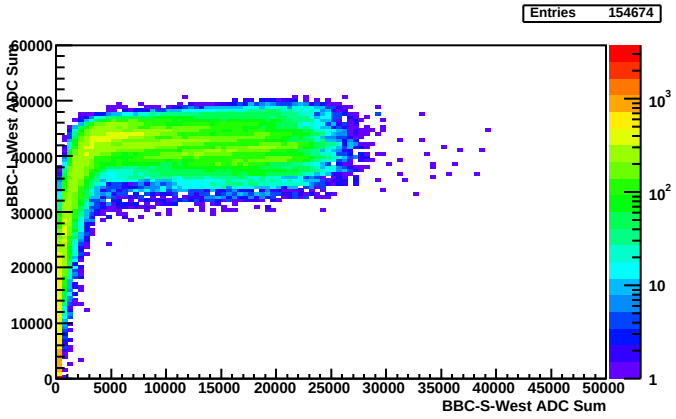

Entries 154674
TOF Mult
BBC-S-East ADC Sum

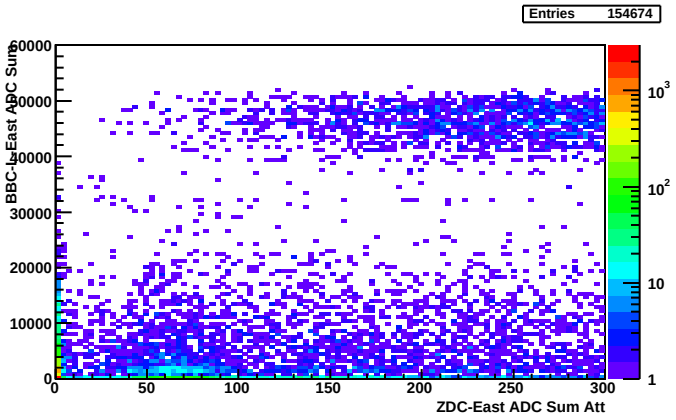

Entries 154674
TOF Mult
BBC-S-West ADC Sum


Entries 154674
TOF Mult
ZDC-East ADC Sum Att


Entries 154674
TOF Mult
ZDC-West ADC Sum Att


Entries 154674
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 154674
BBC-L-West ADC Sum
BBC-S-West ADC Sum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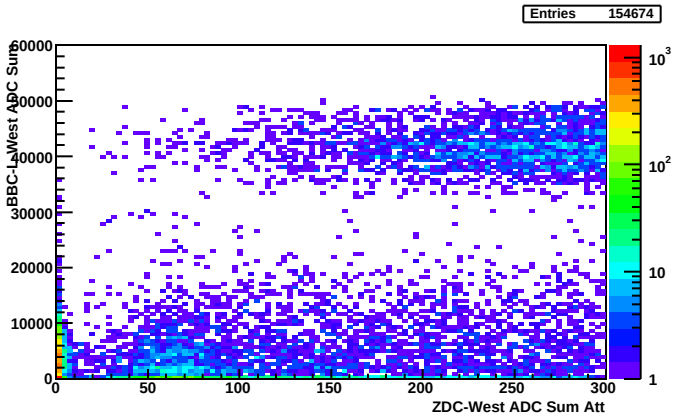
ZDC-East ADC Sum Att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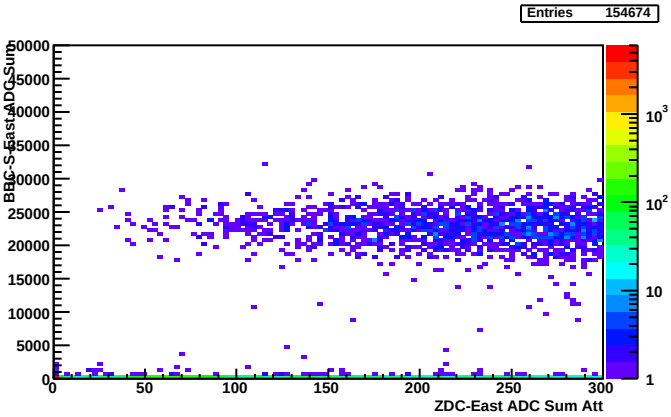
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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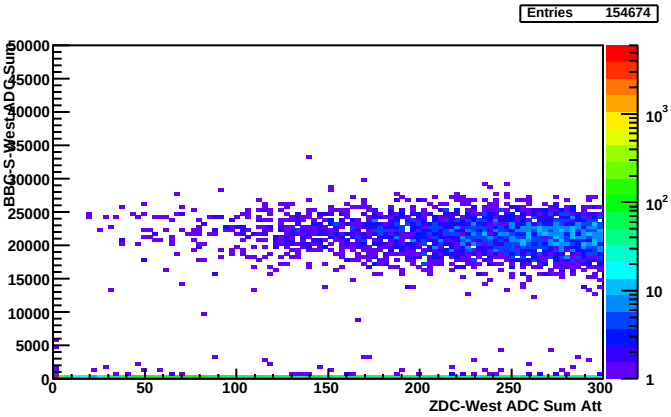
ZDC-East ADC Sum Att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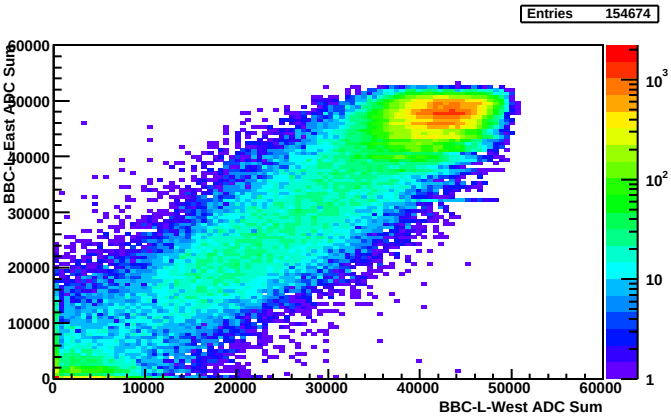
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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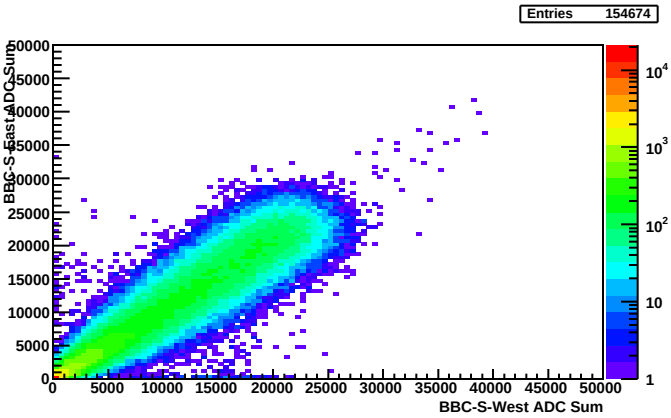
BBC-L-East ADC Sum
BBC-L-West ADC Sum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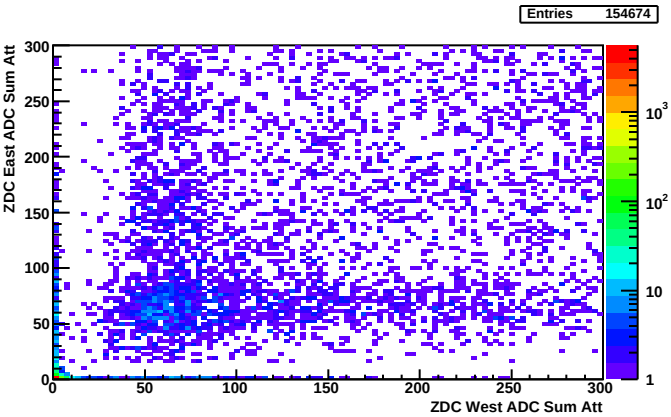
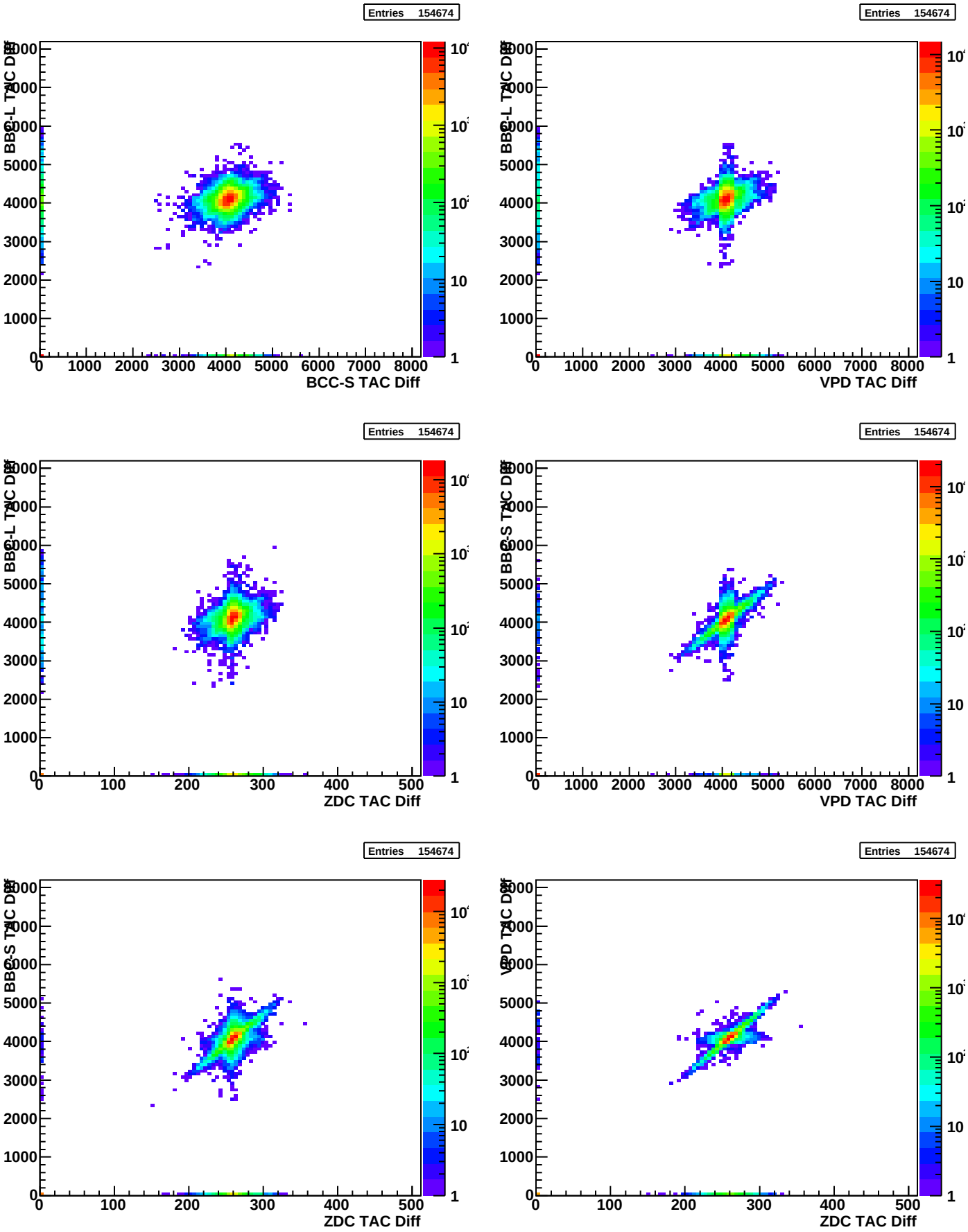
BBC-S-West ADC Sum


Entries 154674
ZDC East ADC Sum Att
ZDC West ADC Sum Att


Entries 154674
BBC-L TAC Diff
BCC-S TAC Diff
Entries 154674
BBC-L TAC Diff
VPD TAC Diff
Entries 154674
BBC-L TAC Diff
ZDC TAC Diff
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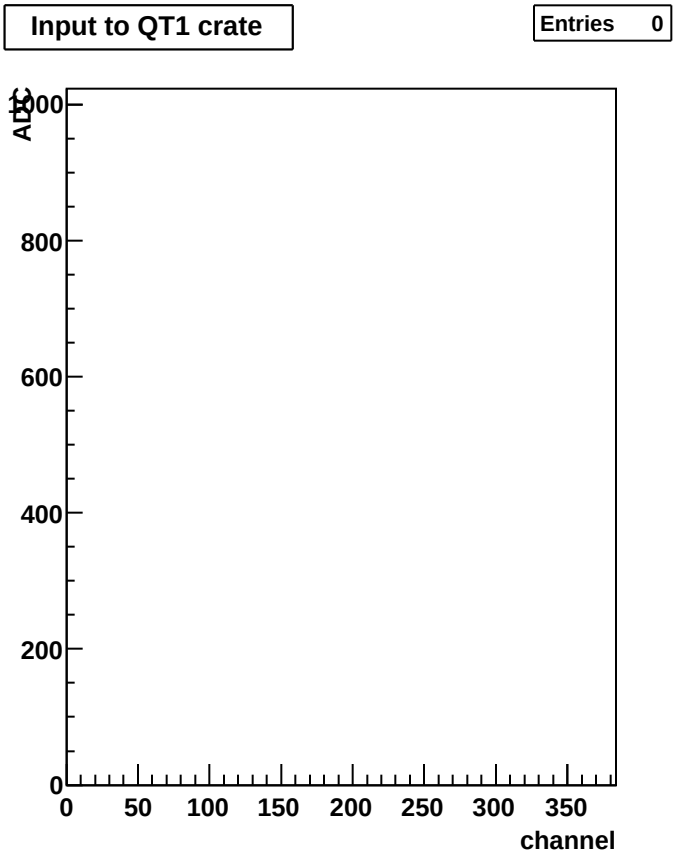
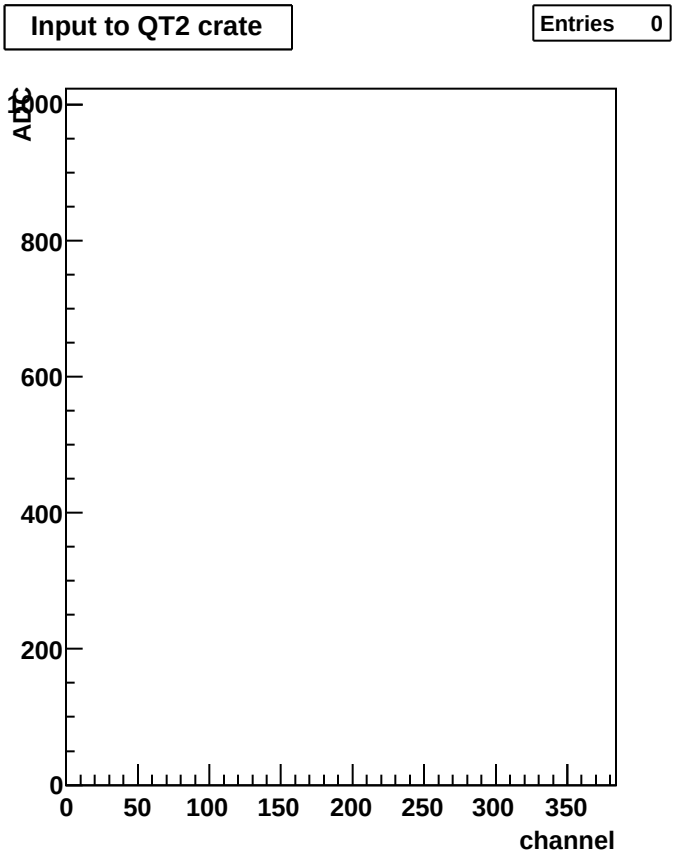
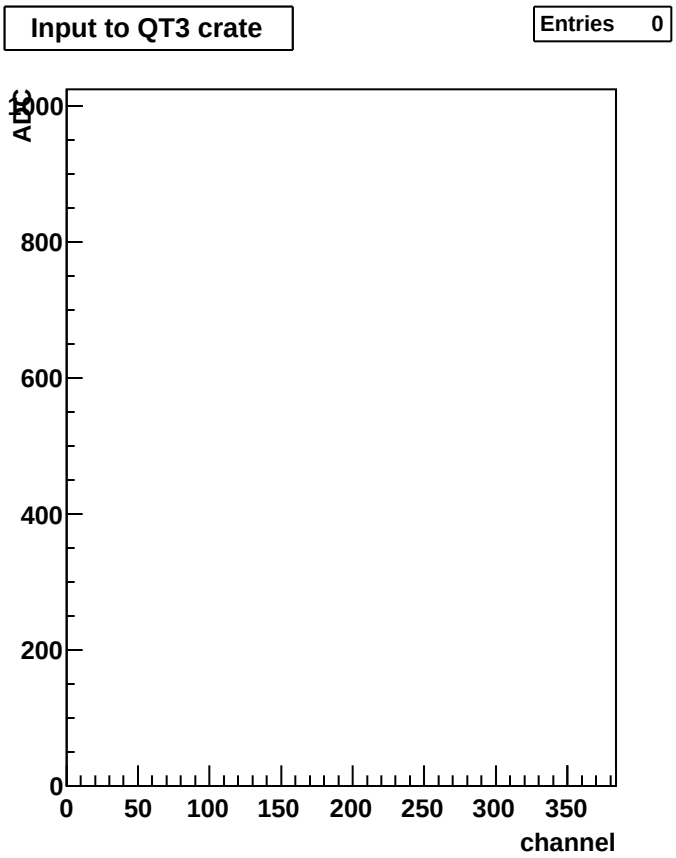
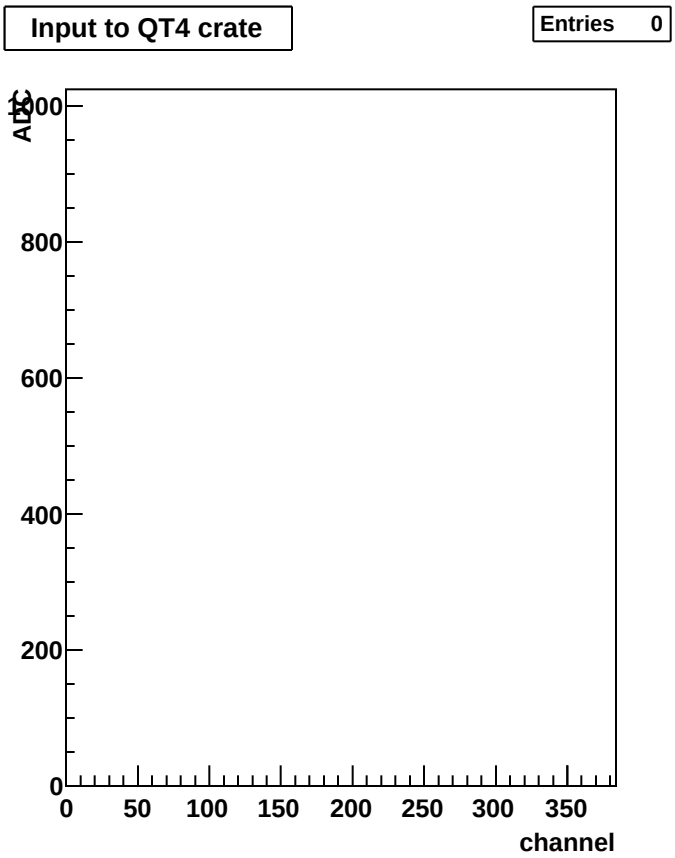
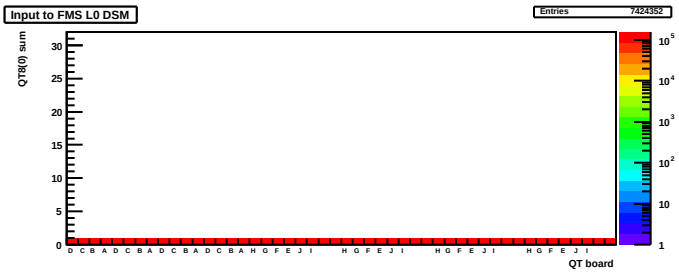
ZDC TAC Diff
Entries 154674
VPD TAC Diff
ZDC TAC Diff

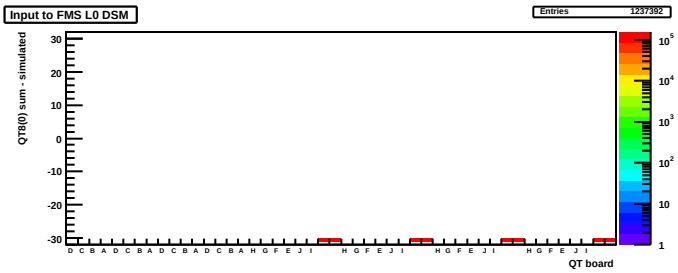

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

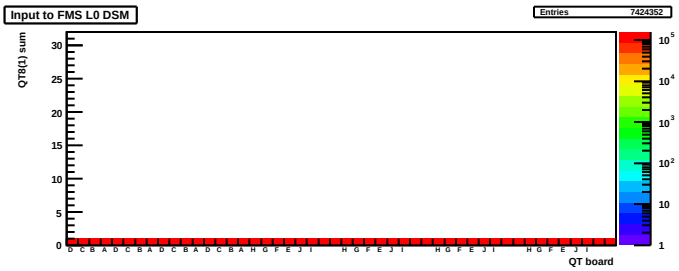

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

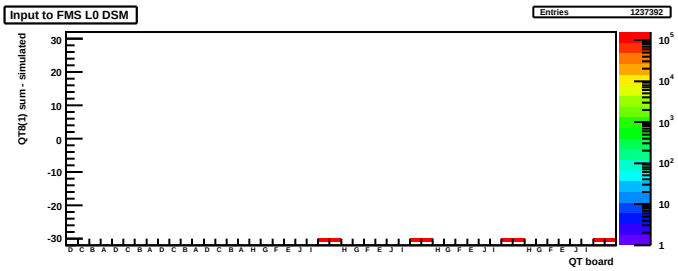

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

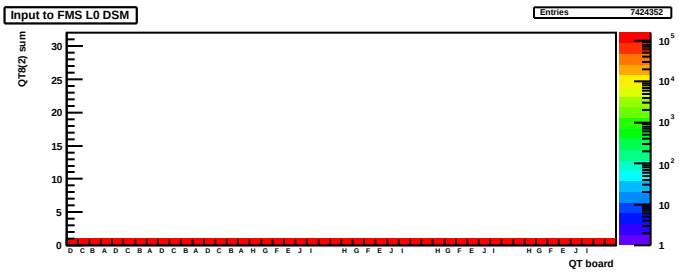

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

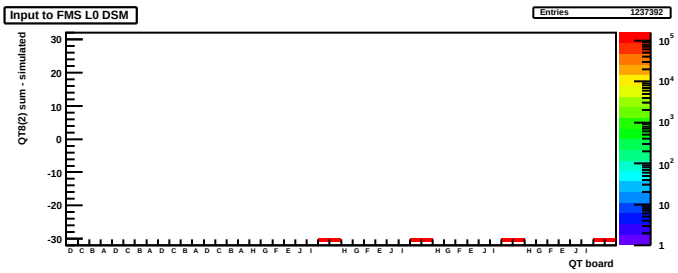

Input to FMS L0 DSM
Entries 7424352
QT8(0) sum
QT board

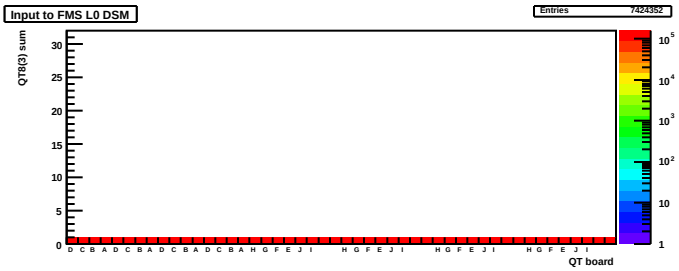

Input to FMS L0 DSM
Entries 1237392
QT8(0) sum - simulated
QT board

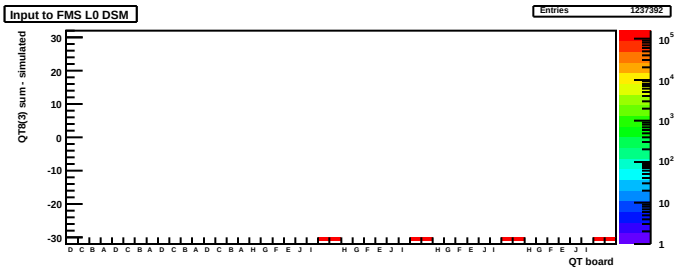

Input to FMS L0 DSM
Entries 7424352
QT8(1) sum
QT board

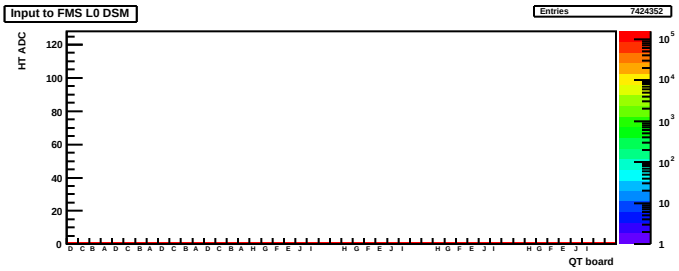

Input to FMS L0 DSM
Entries 1237392
QT8(1) sum - simulated
QT board

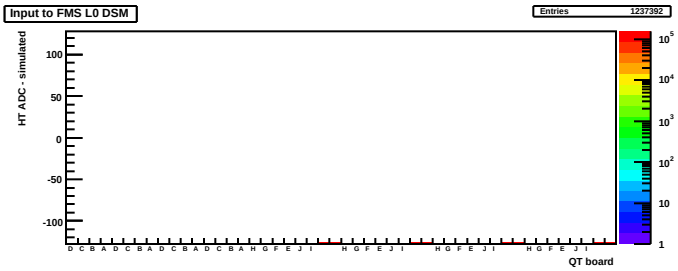

Input to FMS L0 DSM
Entries 7424352
QT8(2) sum
QT board

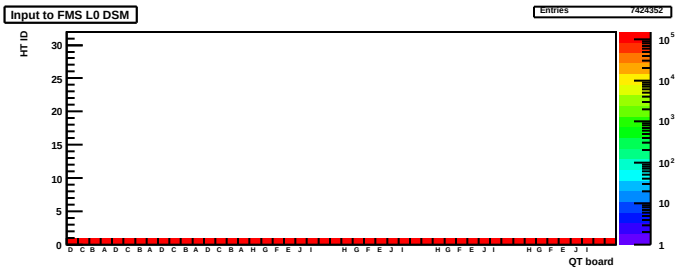

Input to FMS L0 DSM
Entries 1237392
QT8(2) sum - simulated
QT board

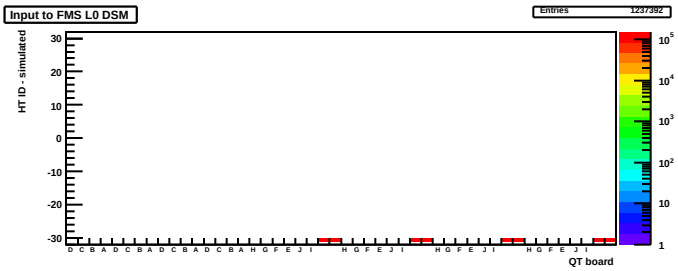

Input to FMS L0 DSM
Entries 7424352
QT8(3) sum
QT board

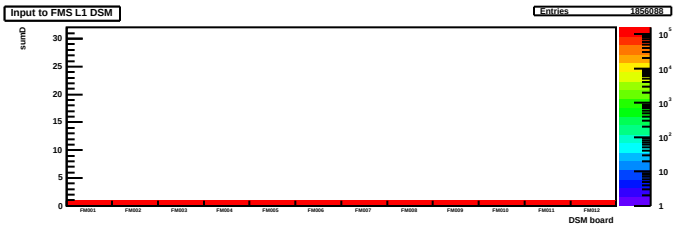

Input to FMS L0 DSM
Entries 1237392
QT8(3) sum - simulated
QT board

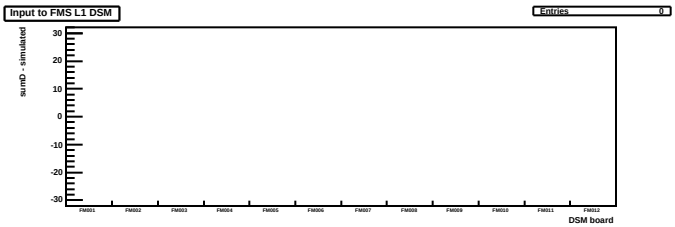

Input to FMS L0 DSM
Entries 7424352
HT ADC
QT board

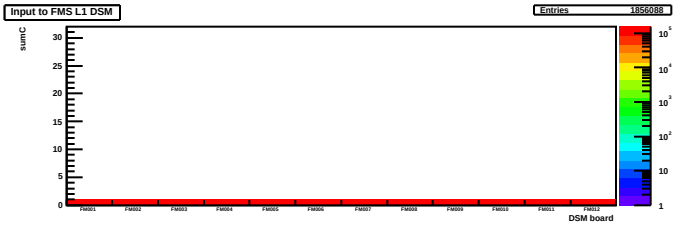

Input to FMS L0 DSM
Entries 1237392
HT ADC - simulated
QT board

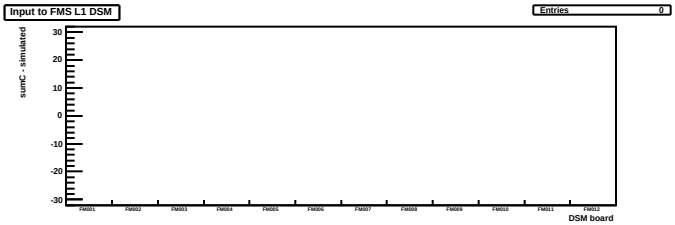

Input to FMS L0 DSM
Entries 7424352
HT ID
QT board

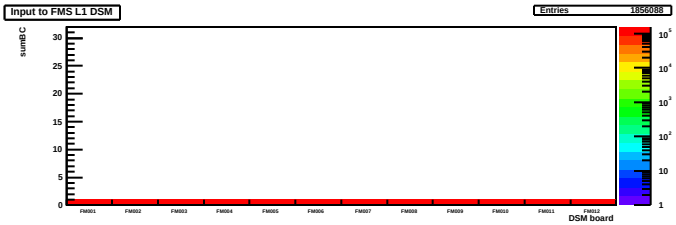

Input to FMS L0 DSM
Entries 1237392
HT ID - simulated
QT board

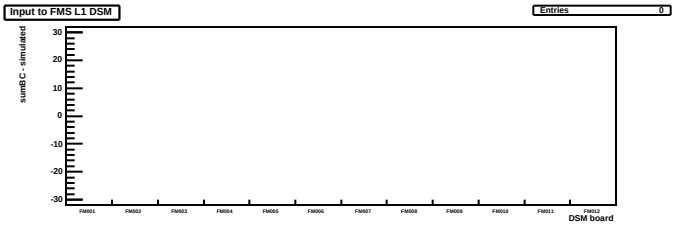

Input to FMS L1 DSM
Entries 1856088
sumD
DSM board

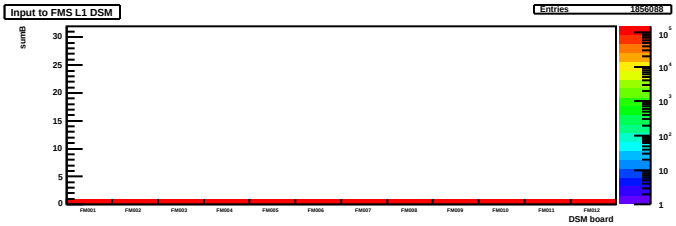

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

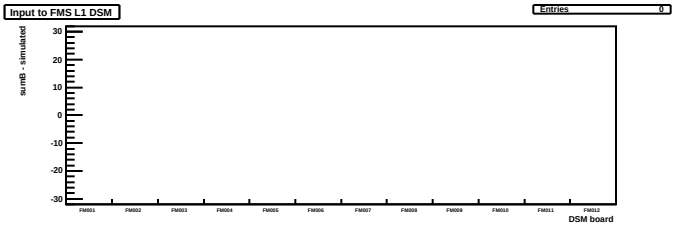

Input to FMS L1 DSM
Entries 1856088
sumC
DSM board

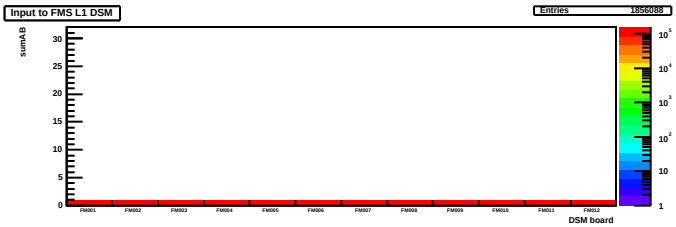

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

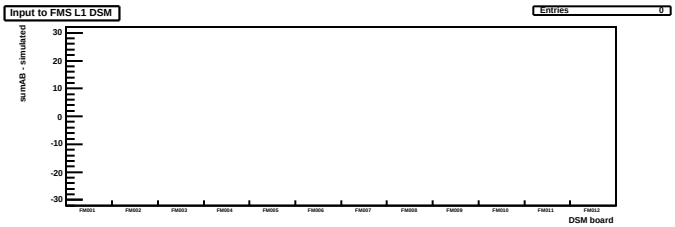

Input to FMS L1 DSM
Entries 1856088
sumBC
DSM board

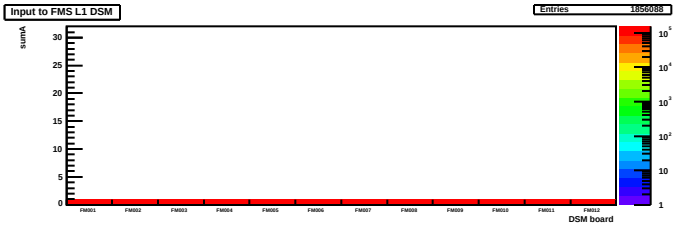

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

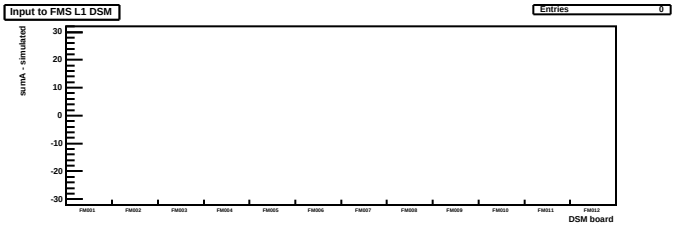

Input to FMS L1 DSM
Entries 1856088
sumB
DSM board

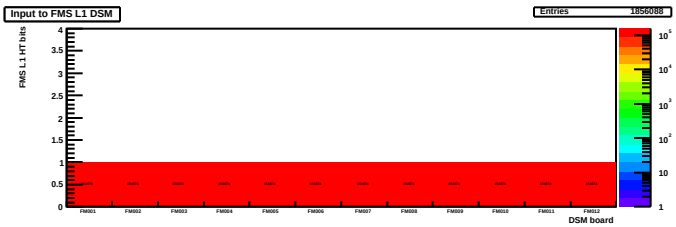

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

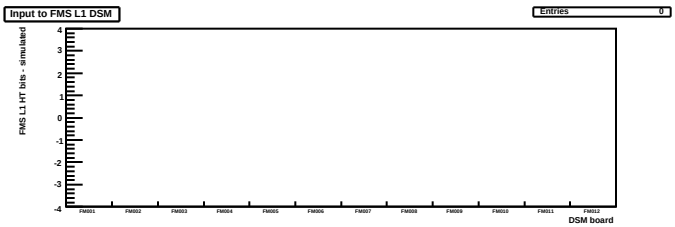

Input to FMS L1 DSM
Entries 1856088
sumAB
DSM board

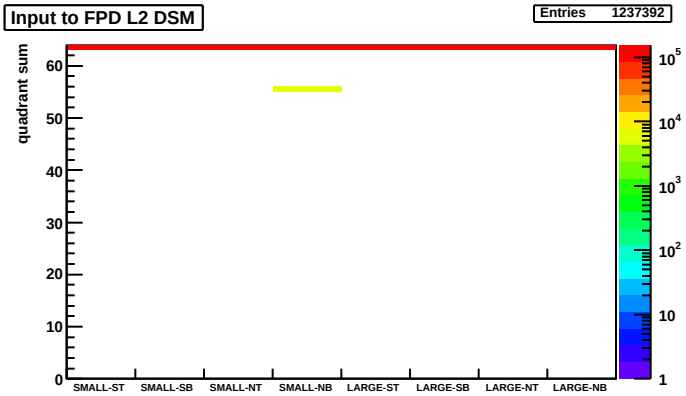

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

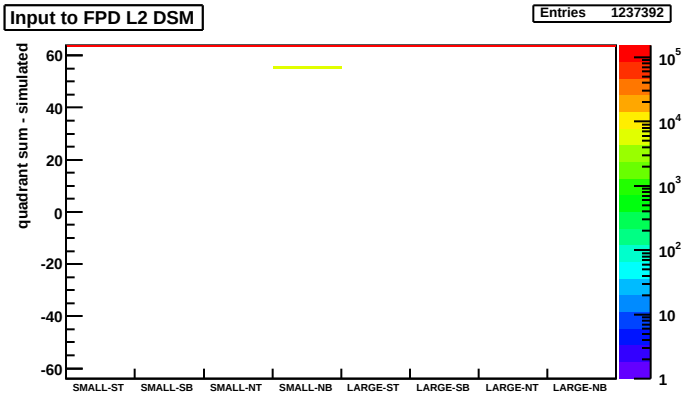

Input to FMS L1 DSM
Entries 1856088
sumA
DSM board

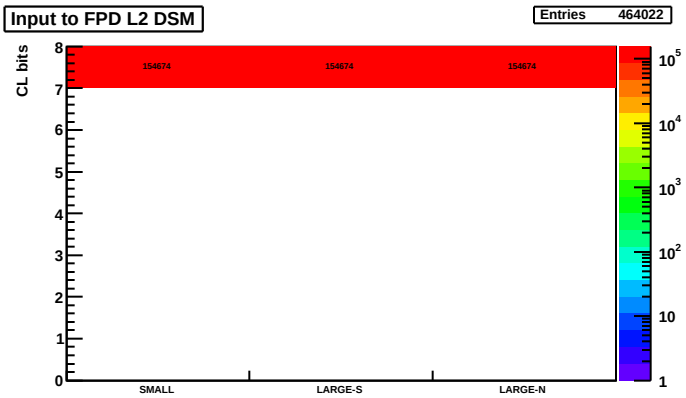

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

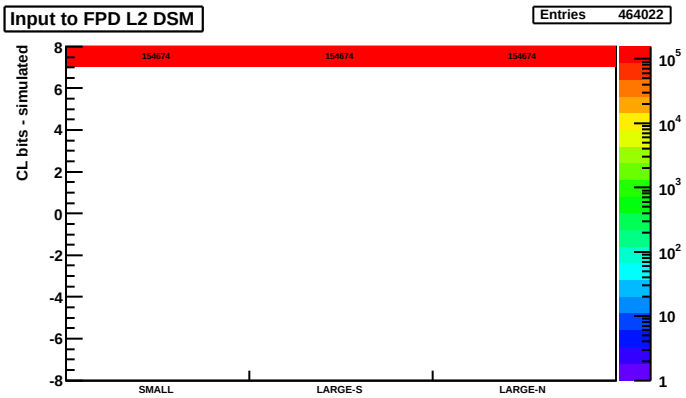

Input to FMS L1 DSM
Entries 1856088
FMS L1 HT bits
DSM board

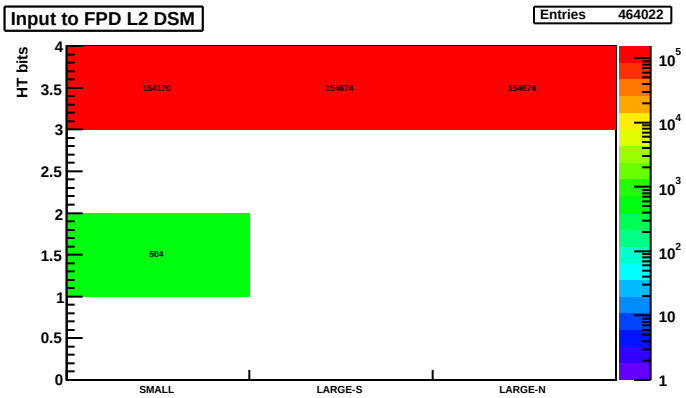

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

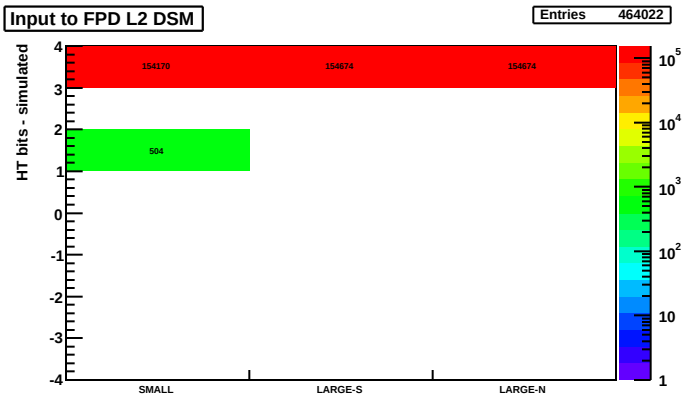

Input to FPD L2 DSM
Entries 1237392
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

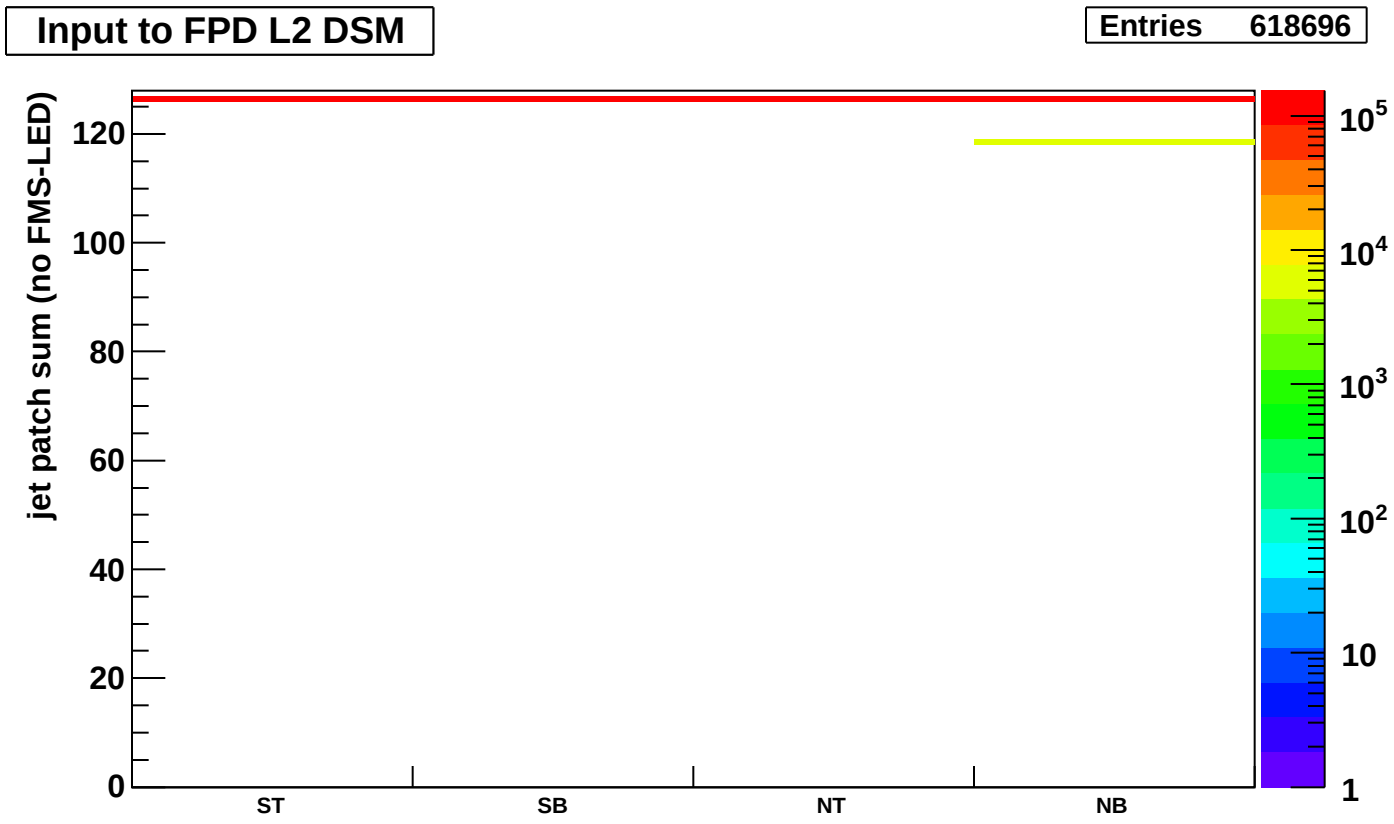

Input to FPD L2 DSM
Entries 1237392
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

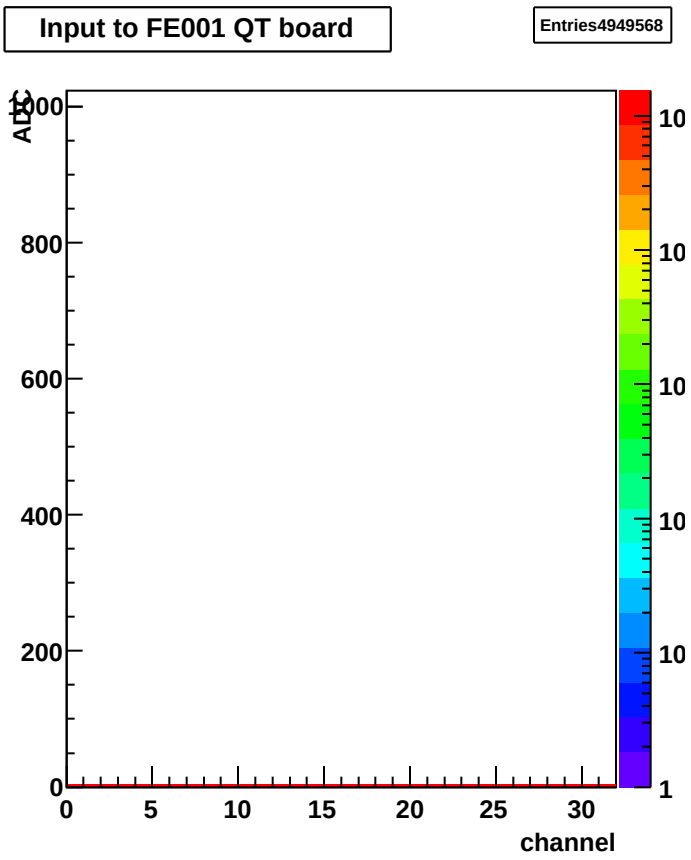

Input to FPD L2 DSM
Entries 464022
CL bits
154674
154674
154674
SMALL
LARGE-S
LARGE-N

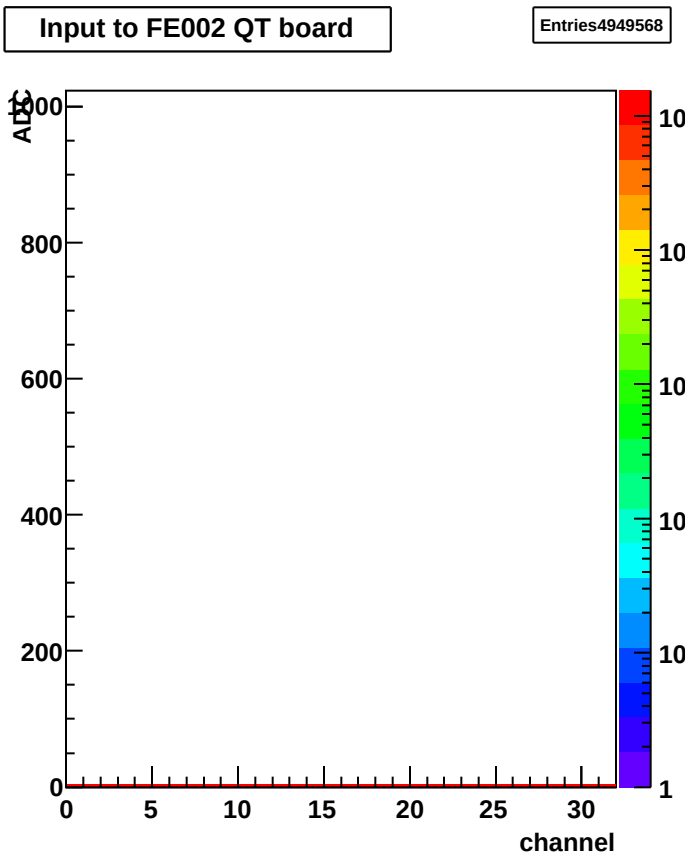

Input to FPD L2 DSM
Entries 464022
CL bits - simulated
154674
154674
154674
SMALL
LARGE-S
LARGE-N

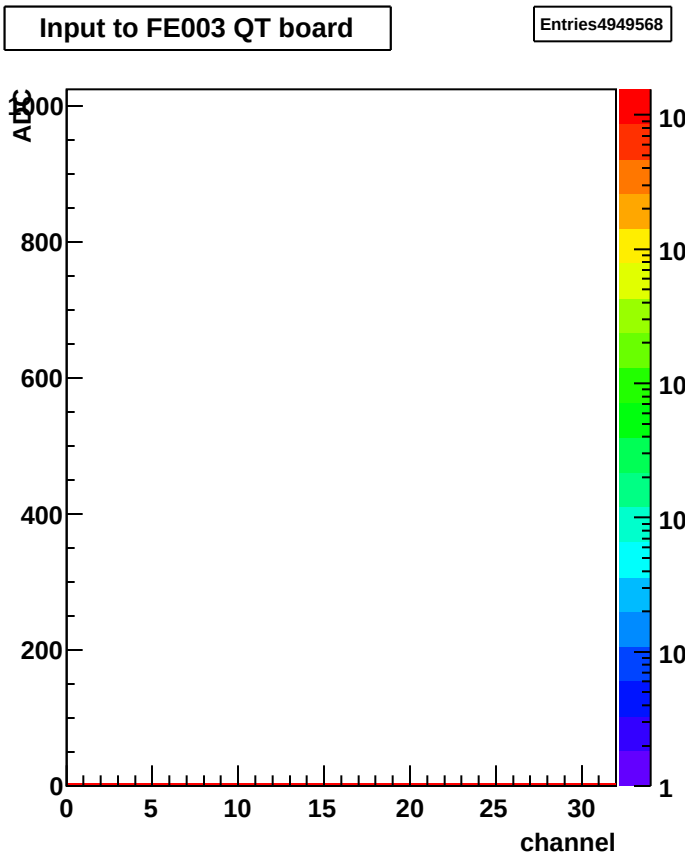

Input to FPD L2 DSM
Entries 464022
HT bits
154170
154674
154674
504
SMALL
LARGE-S
LARGE-N

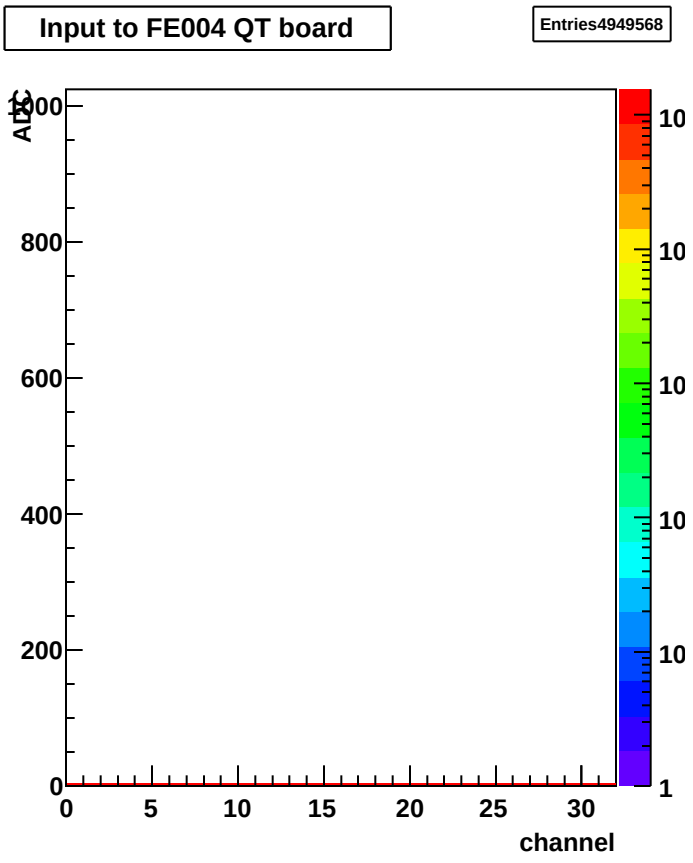

Input to FPD L2 DSM
Entries 464022
HT bits - simulated
154170
154674
154674
504
SMALL
LARGE-S
LARGE-N

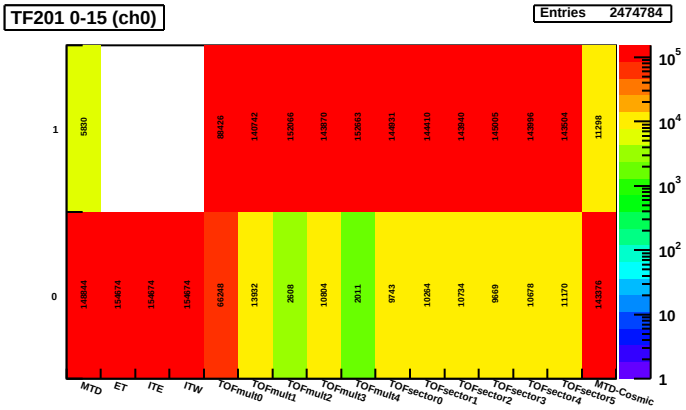

Input to FPD L2 DSM
Entries 618696
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

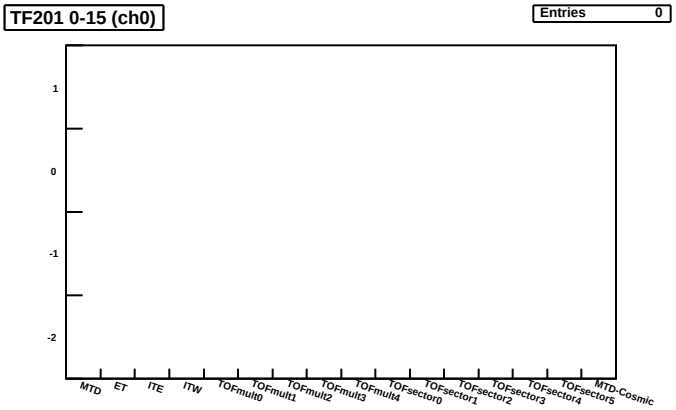

Input to FE001 QT board
Entries4949568
ADC
channel

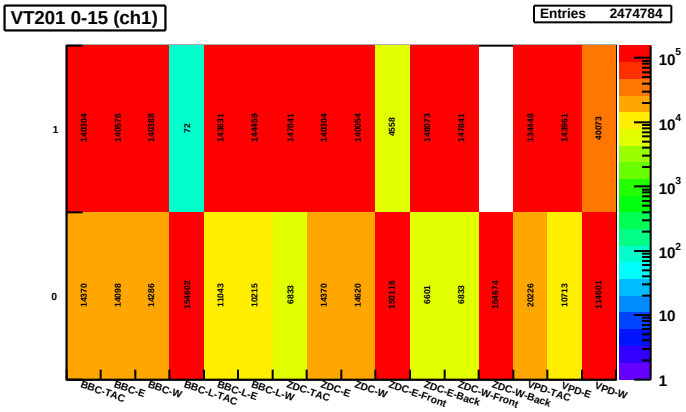

Input to FE002 QT board
Entries4949568
ADC
channel

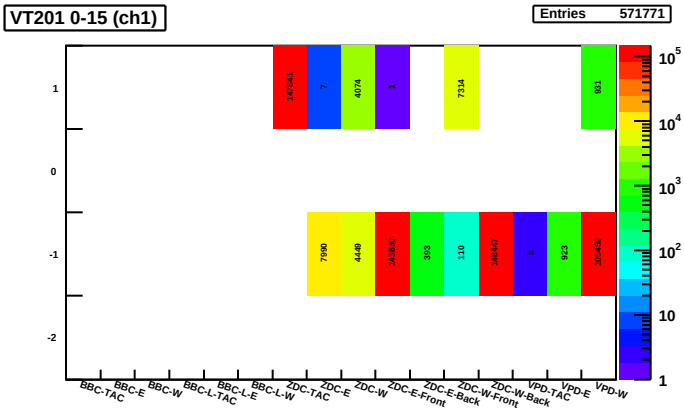

Input to FE003 QT board
Entries4949568
ADC
channel

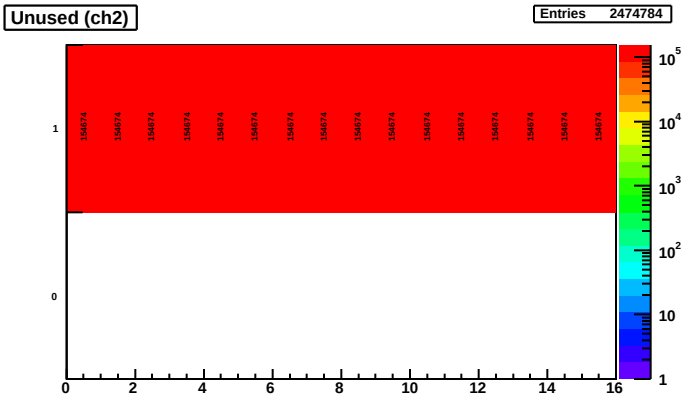

Input to FE004 QT board
Entries4949568
ADC
channel

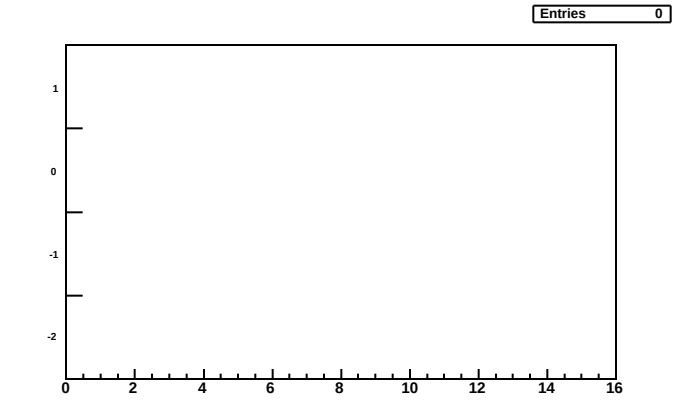

TF201 0-15 (ch0)
Entries 2474784
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

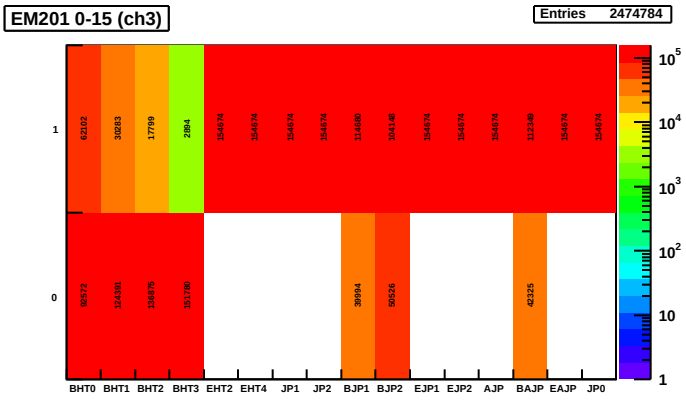

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

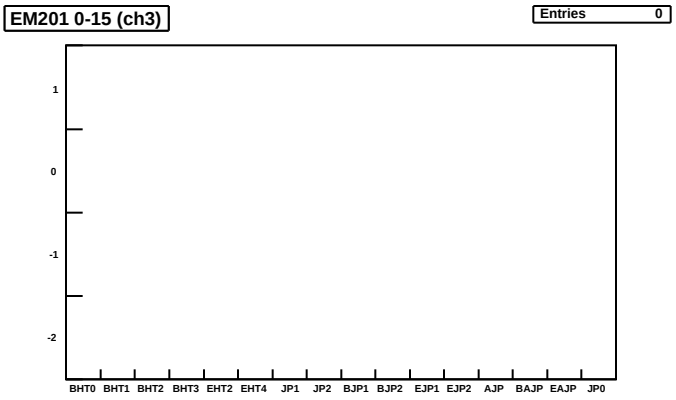

VT201 0-15 (ch1)
Entries 2474784
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

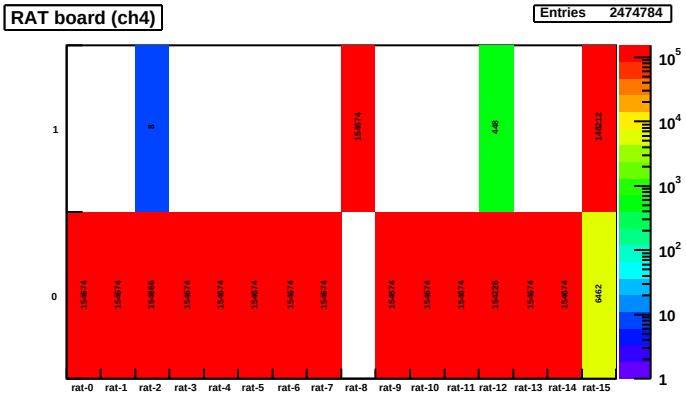

VT201 0-15 (ch1)
Entries 571771
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

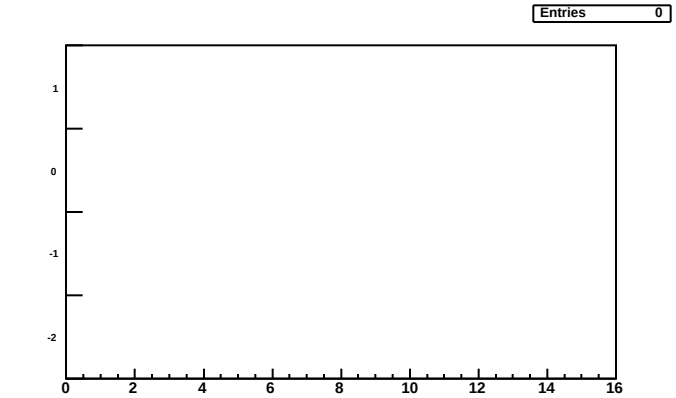

Unused (ch2)
Entries 2474784

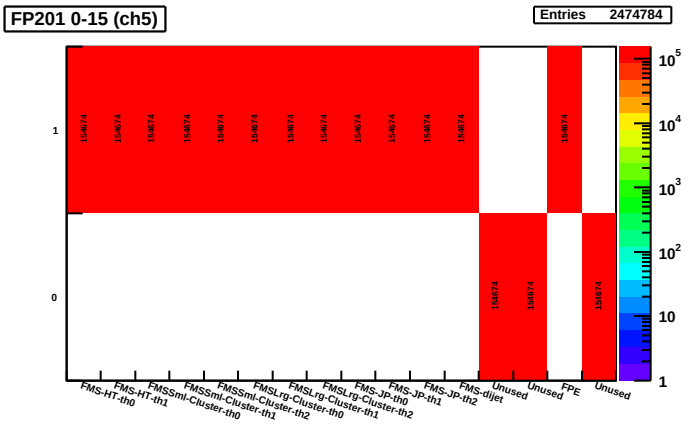

Entries 0

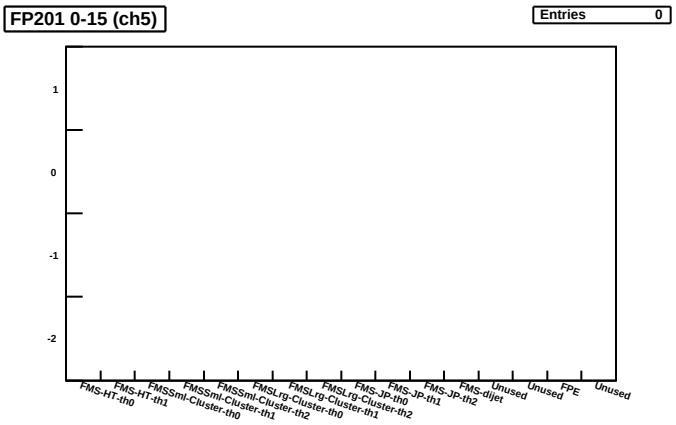

EM201 0-15 (ch3)
Entries 2474784
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

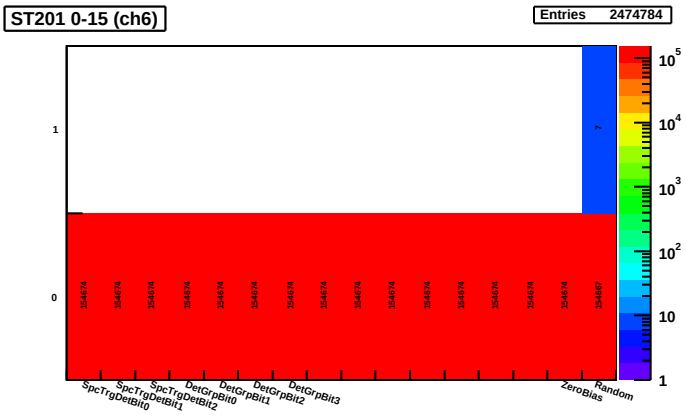

EM201 0-15 (ch3)
Entries 0
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

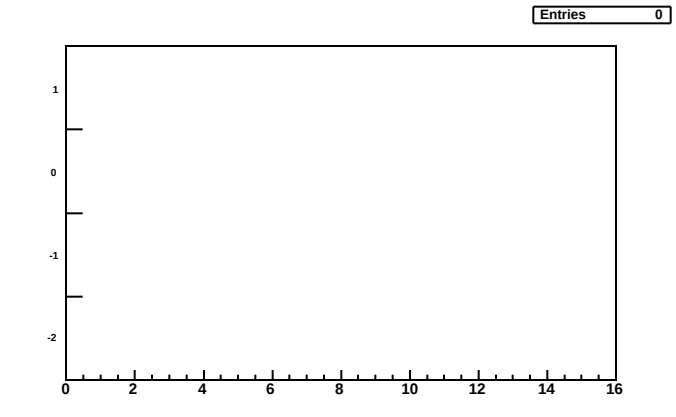

RAT board (ch4)
Entries 2474784
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

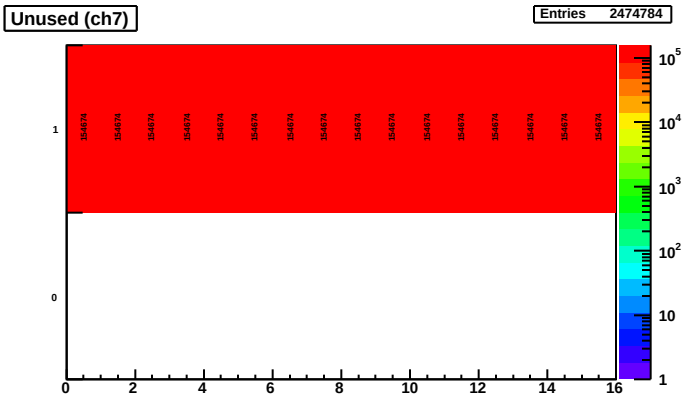

Entries 0

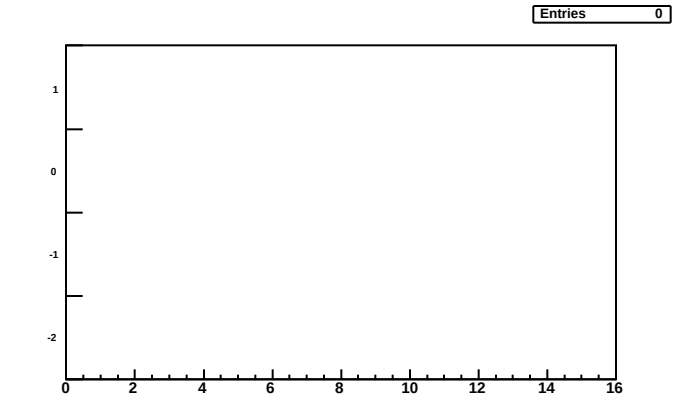

FP201 0-15 (ch5)
Entries 2474784
FMS-HT-th0
FMS-HT-th1
FMSSml-Cluster-th0
FMSSml-Cluster-th1
FMSSml-Cluster-th2
FMSLrg-Cluster-th0
FMSLrg-Cluster-th1
FMSLrg-Cluster-th2
FMS-JP-th0
FMS-JP-th1
FMS-JP-th2
FMS-diJet
Unused
Unused
FPE
Unused


FP201 0-15 (ch5)
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 2474784
SpcTrgDetBit0
SpcTrgDetBit1
SpcTrgDetBit2
DetGrpBit0
DetGrpBit1
DetGrpBit2
DetGrpBit3
ZeroBias
Random


Entries 0


Unused (ch7)
Entries 2474784


Entries 0