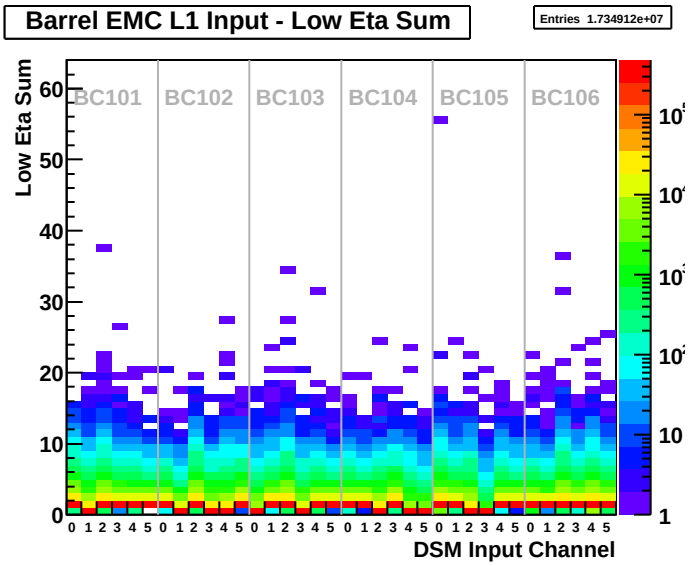
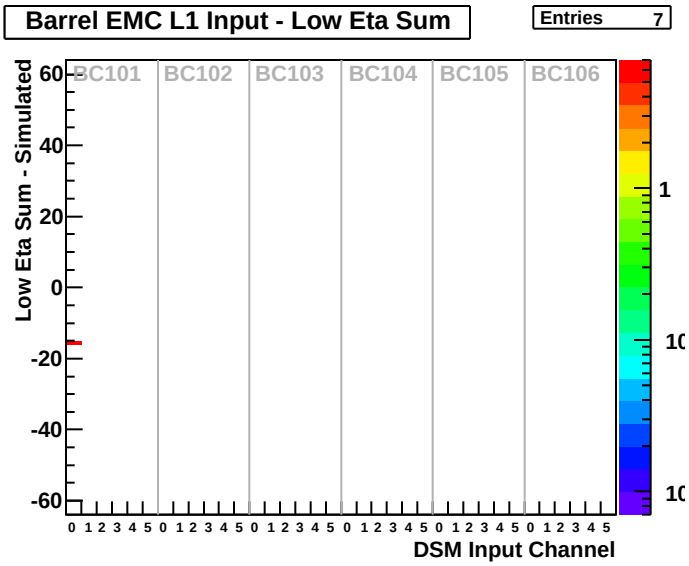
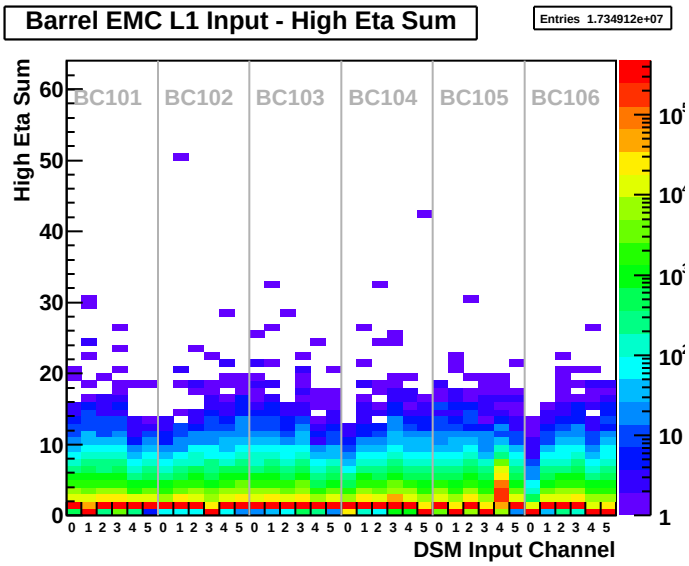
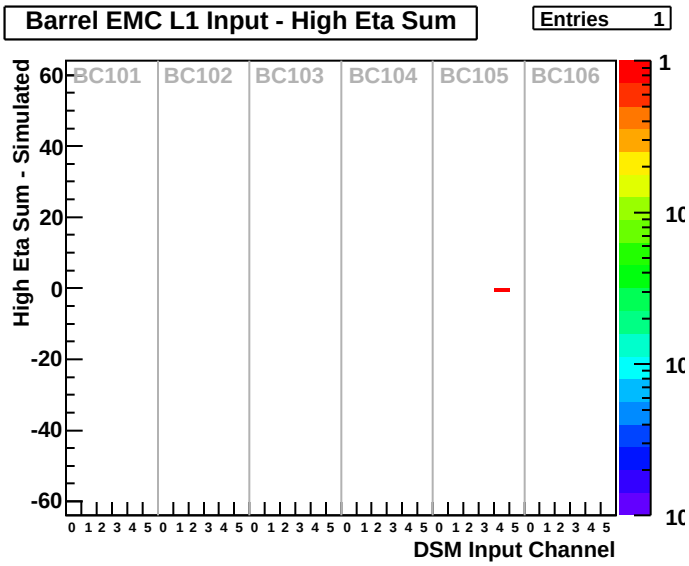
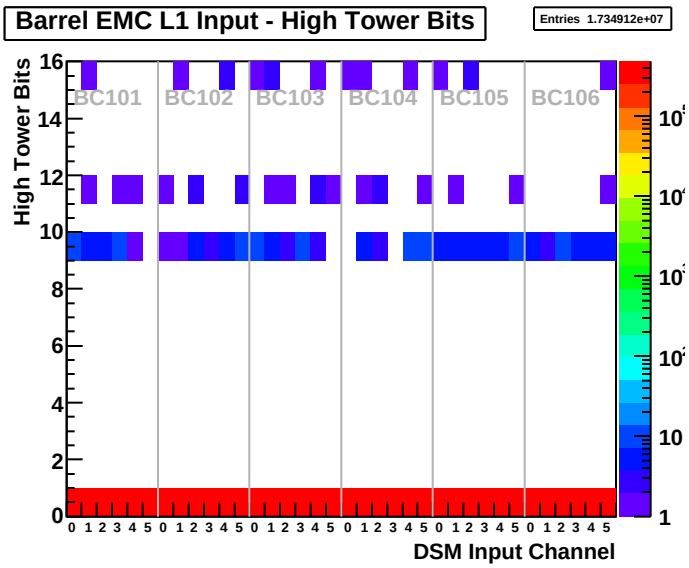
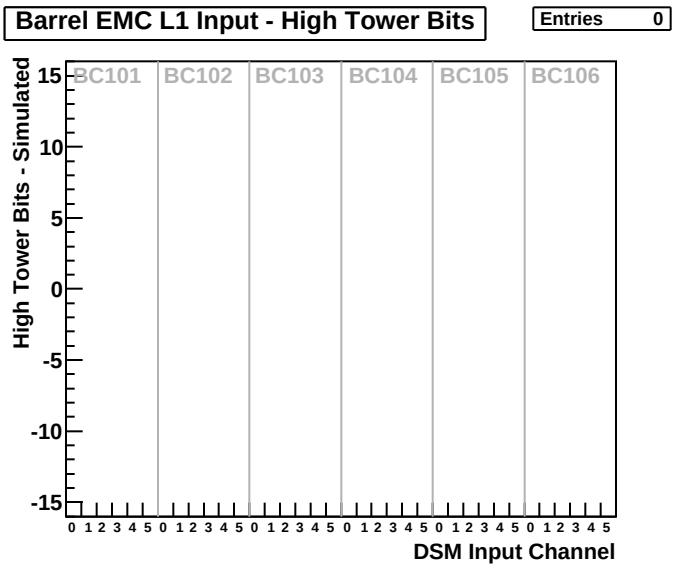

Barrel EMC L1 Input - Low Eta Sum
Entries 1.734912e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

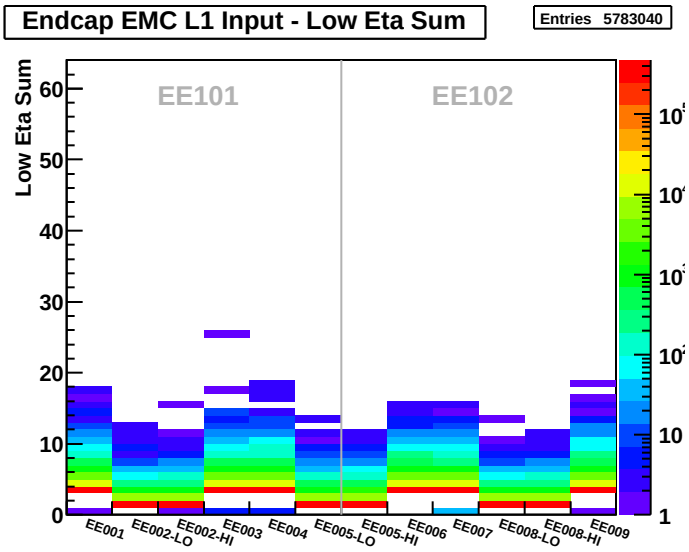

Barrel EMC L1 Input - Low Eta Sum
Entries 7
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

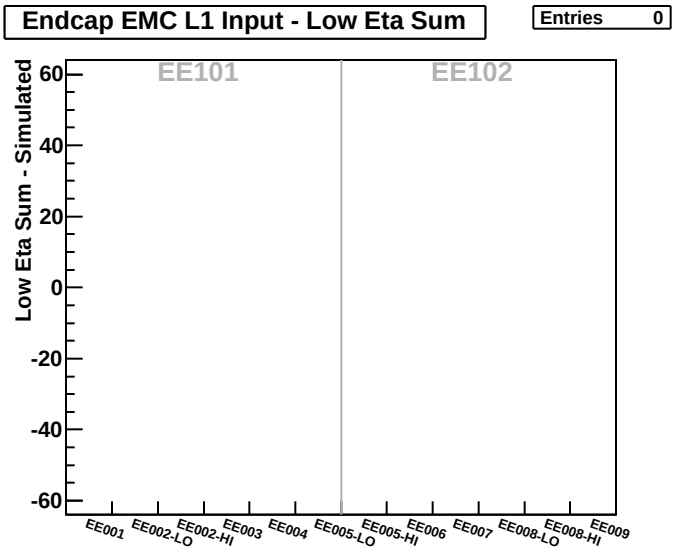

Barrel EMC L1 Input - High Eta Sum
Entries 1.734912e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

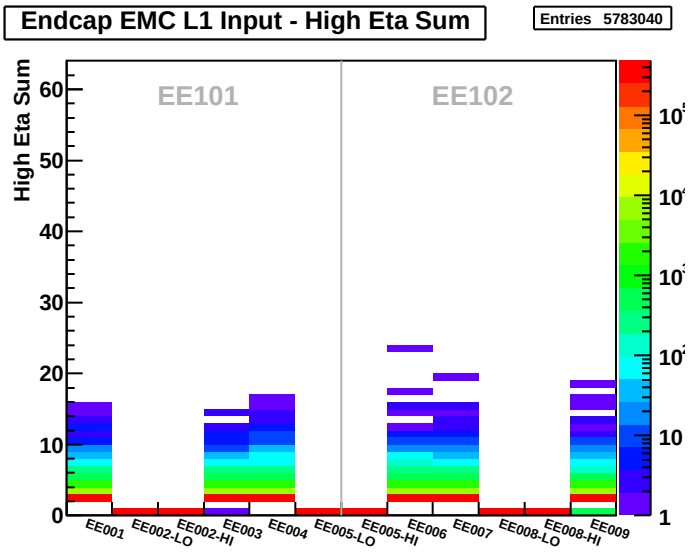

Barrel EMC L1 Input - High Eta Sum
Entries 1
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

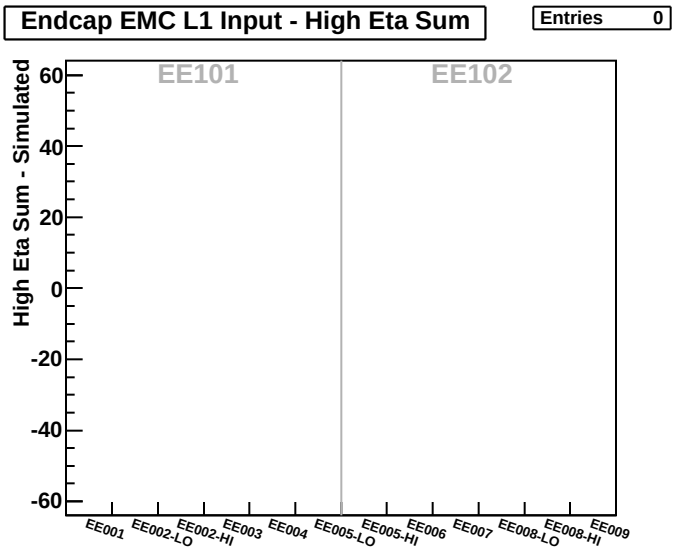

Barrel EMC L1 Input - High Tower Bits
Entries 1.734912e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

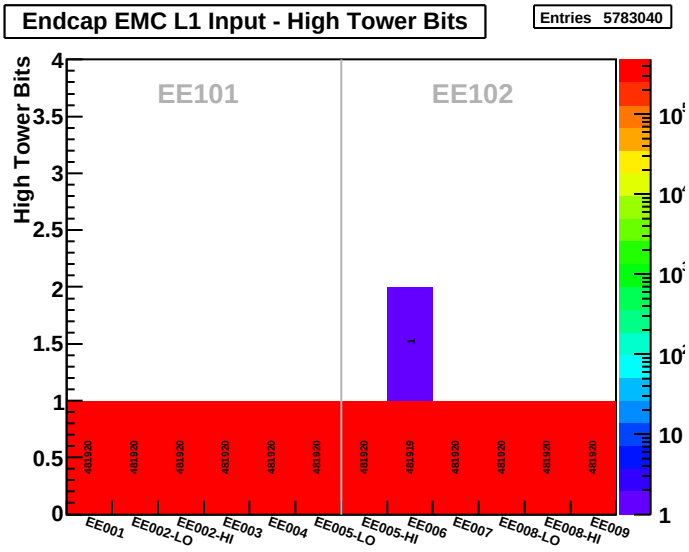

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

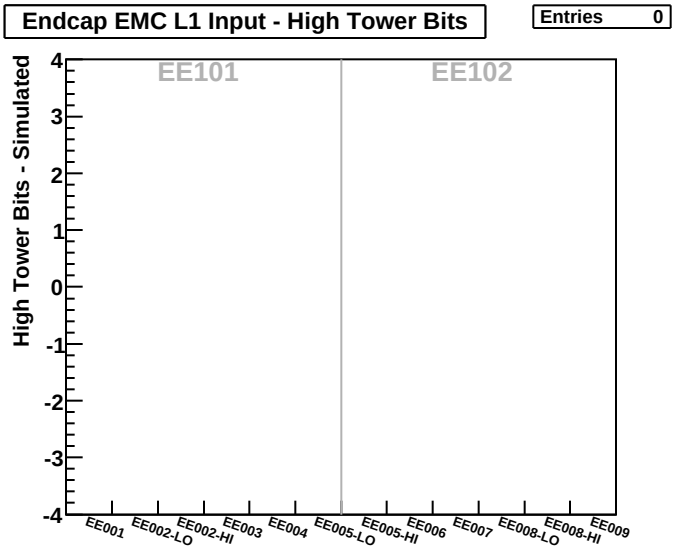

Endcap EMC L1 Input - Low Eta Sum
Entries 5783040
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

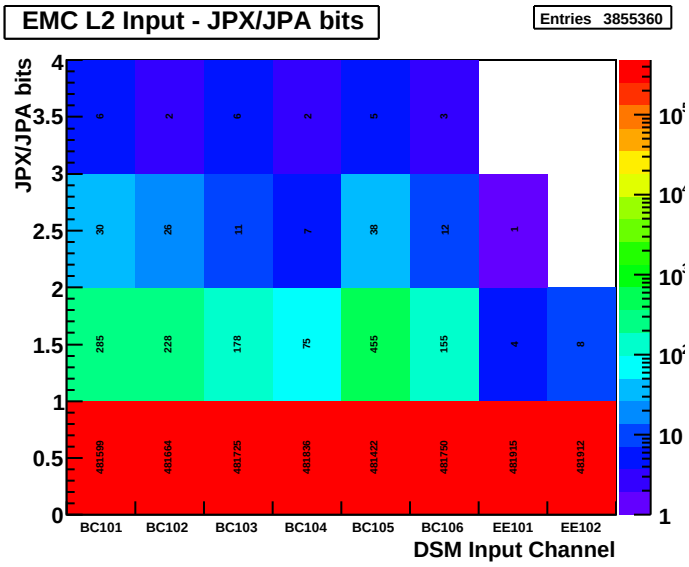

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

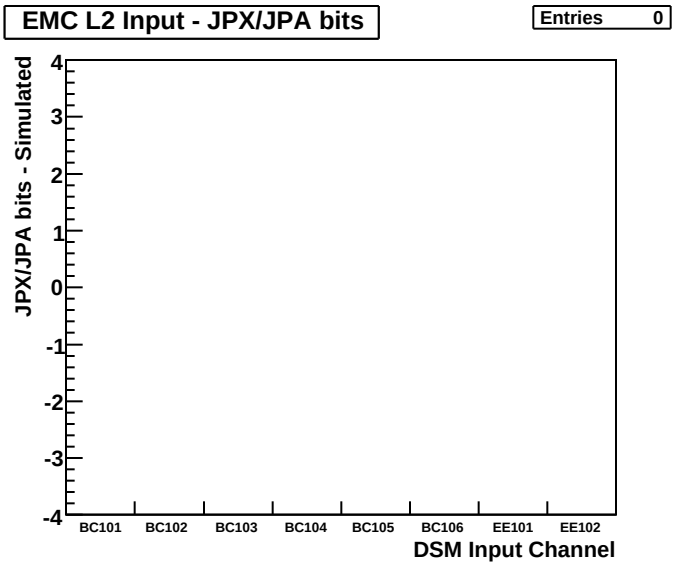

Endcap EMC L1 Input - High Eta Sum
Entries 5783040
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

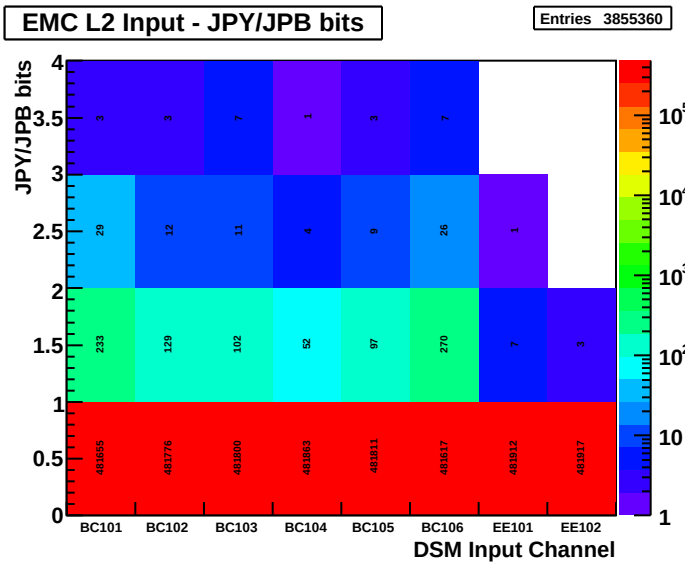

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

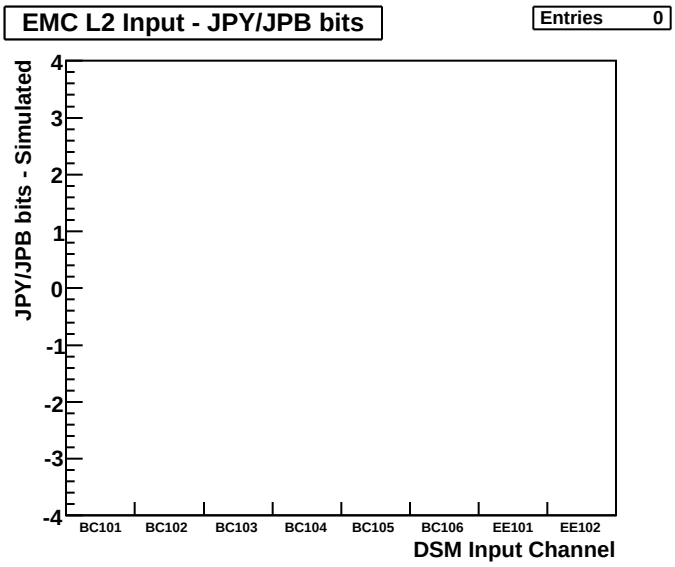

Endcap EMC L1 Input - High Tower Bits
Entries 5783040
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

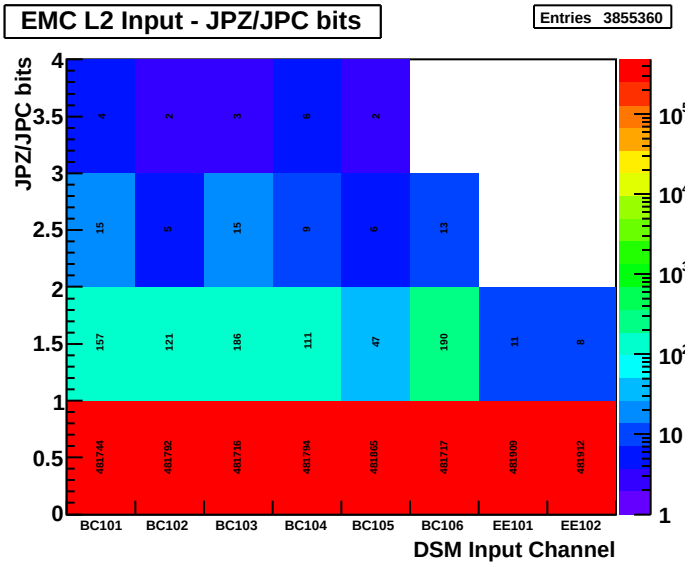

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

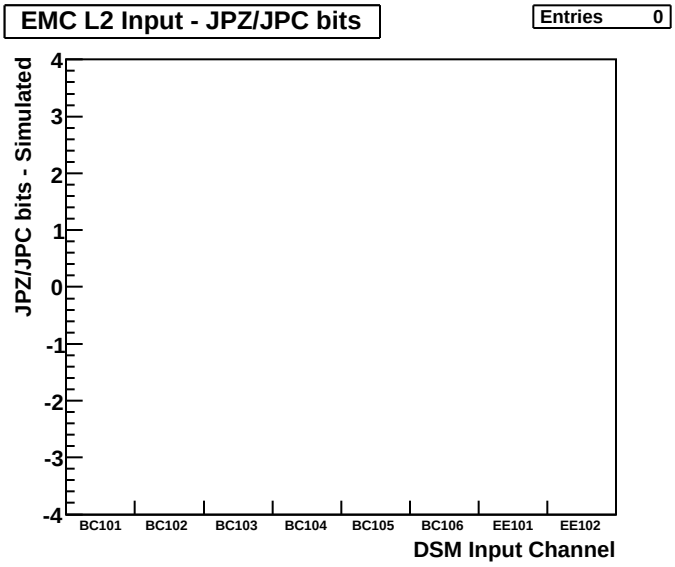

EMC L2 Input - JPX/JPA bits
Entries 3855360
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
6 2 6 2 5 3
30 26 11 7 38 12 1
285 228 178 75 455 155 4 8
481599 481664 481725 481836 481422 481750 481915 481912

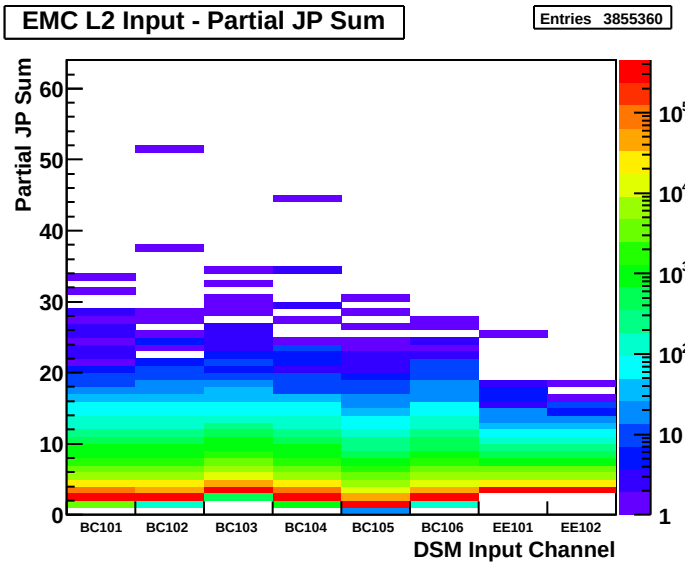

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

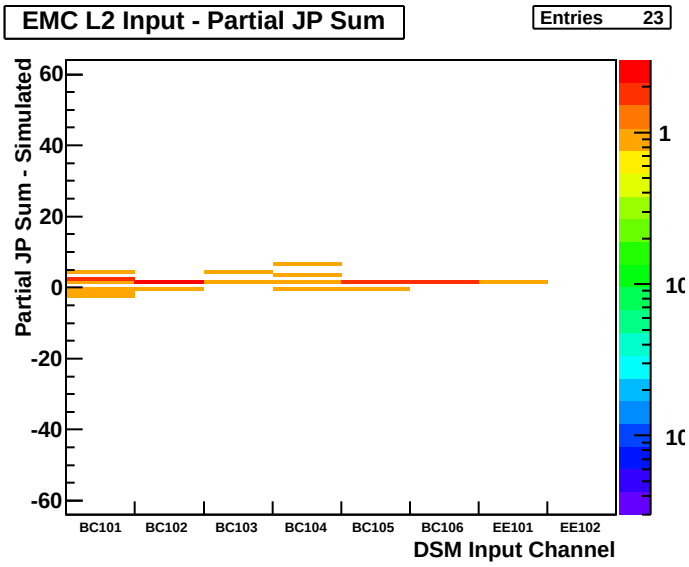

EMC L2 Input - JPY/JPB bits
Entries 3855360
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
3 3 7 1 3 7
29 12 11 4 9 26 1
233 129 102 52 97 270 7 3
481655 481776 481800 481863 481811 481617 481912 481917

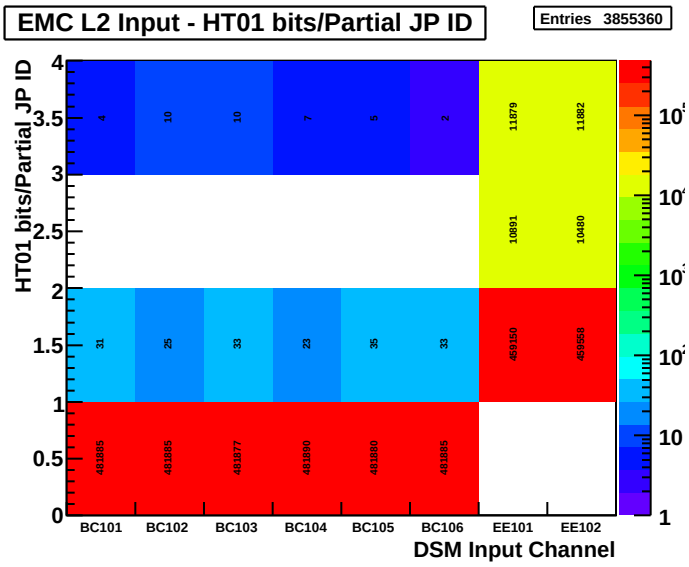

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

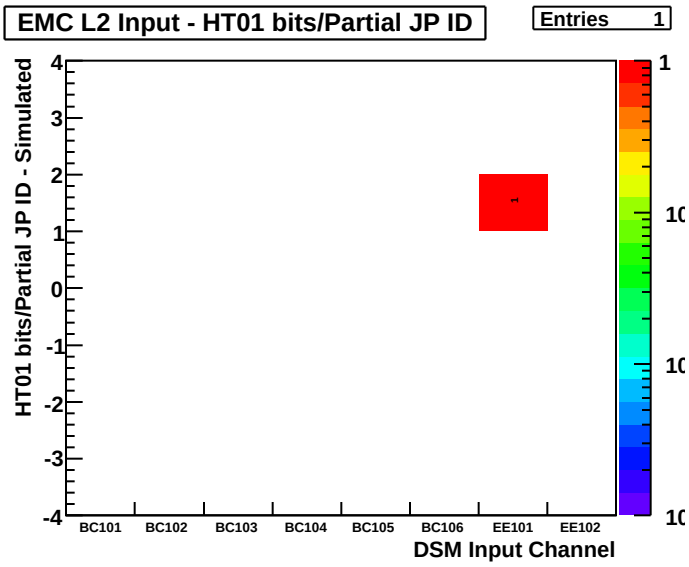

EMC L2 Input - JPZ/JPC bits
Entries 3855360
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
4 2 3 6 2
15 5 15 9 6 13
157 121 186 111 47 190 11 8
481744 481792 481716 481794 481865 481717 481909 481912

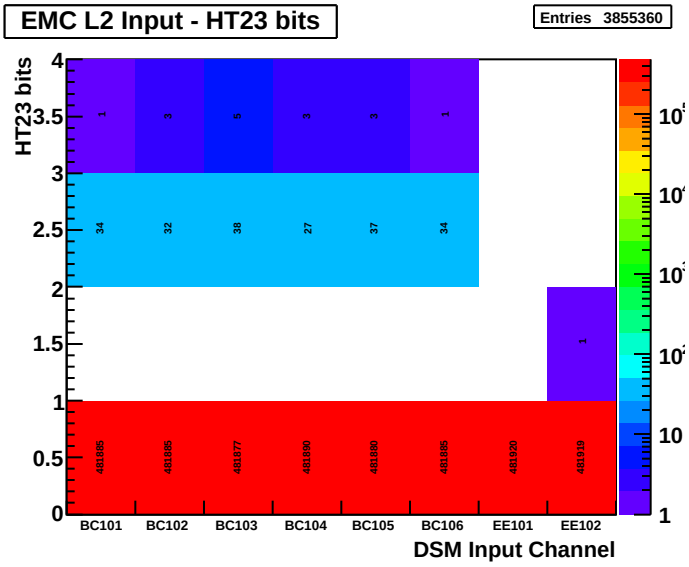

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

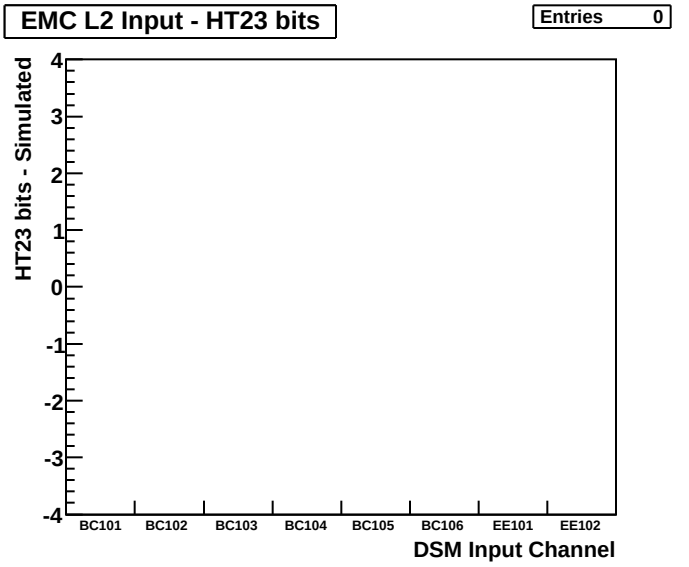

EMC L2 Input - Partial JP Sum
Entries 3855360
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

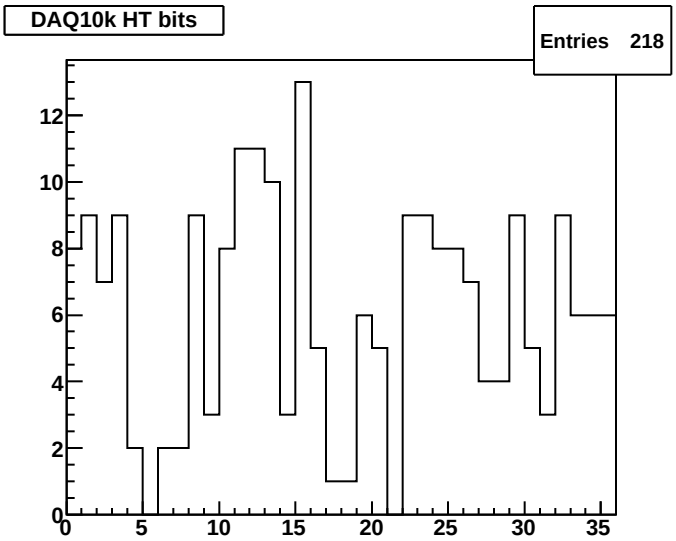

EMC L2 Input - Partial JP Sum
Entries 23
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

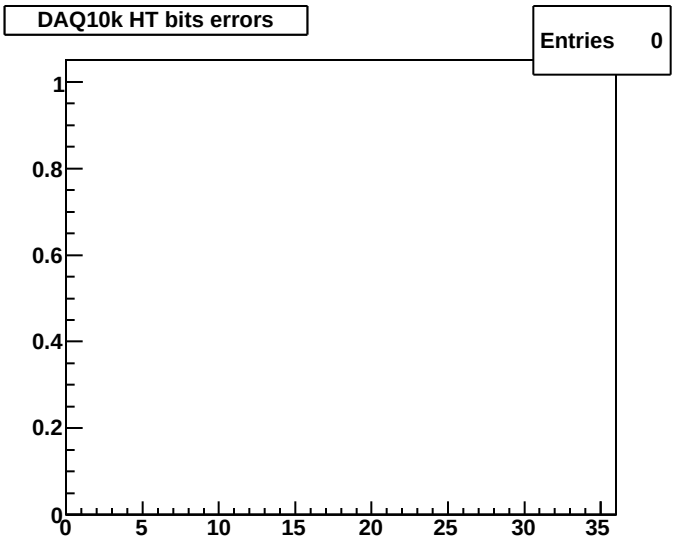

EMC L2 Input - HT01 bits/Partial JP ID
Entries 3855360
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

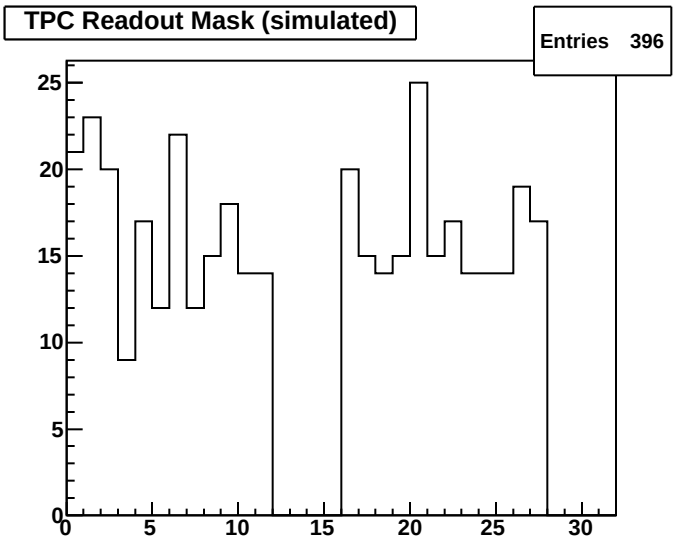

EMC L2 Input - HT01 bits/Partial JP ID
Entries 1
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

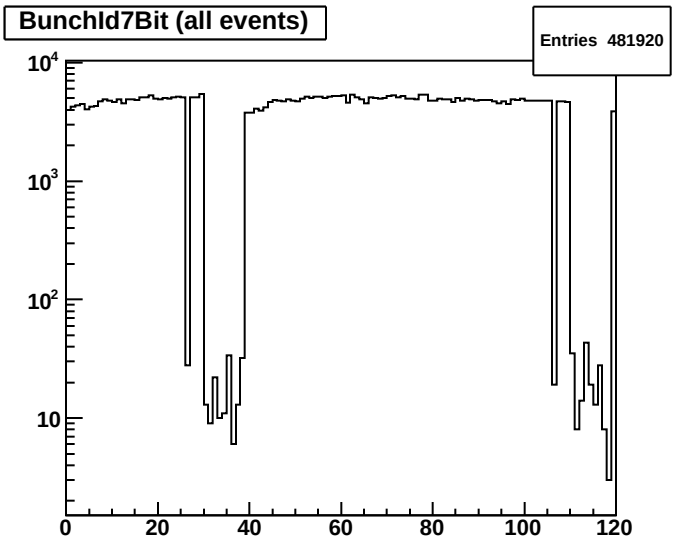

EMC L2 Input - HT23 bits
Entries 3855360
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

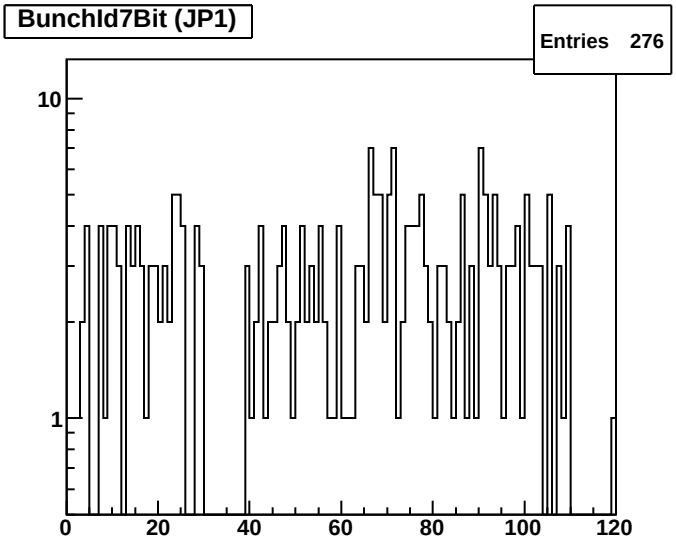

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

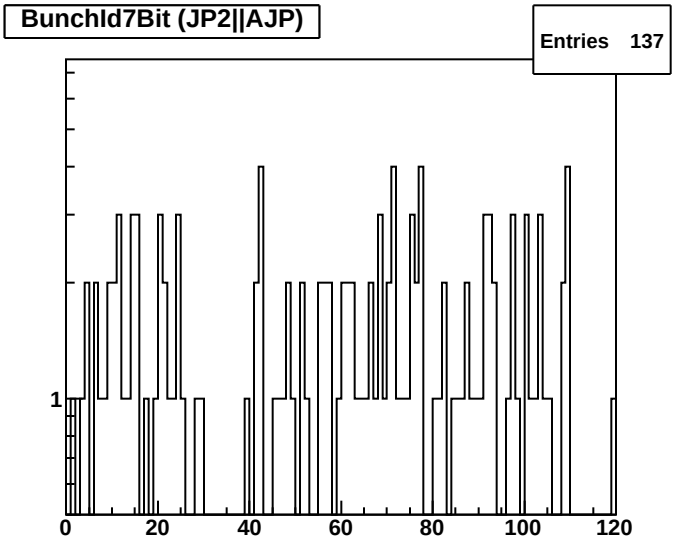

DAQ10k HT bits
Entries 218

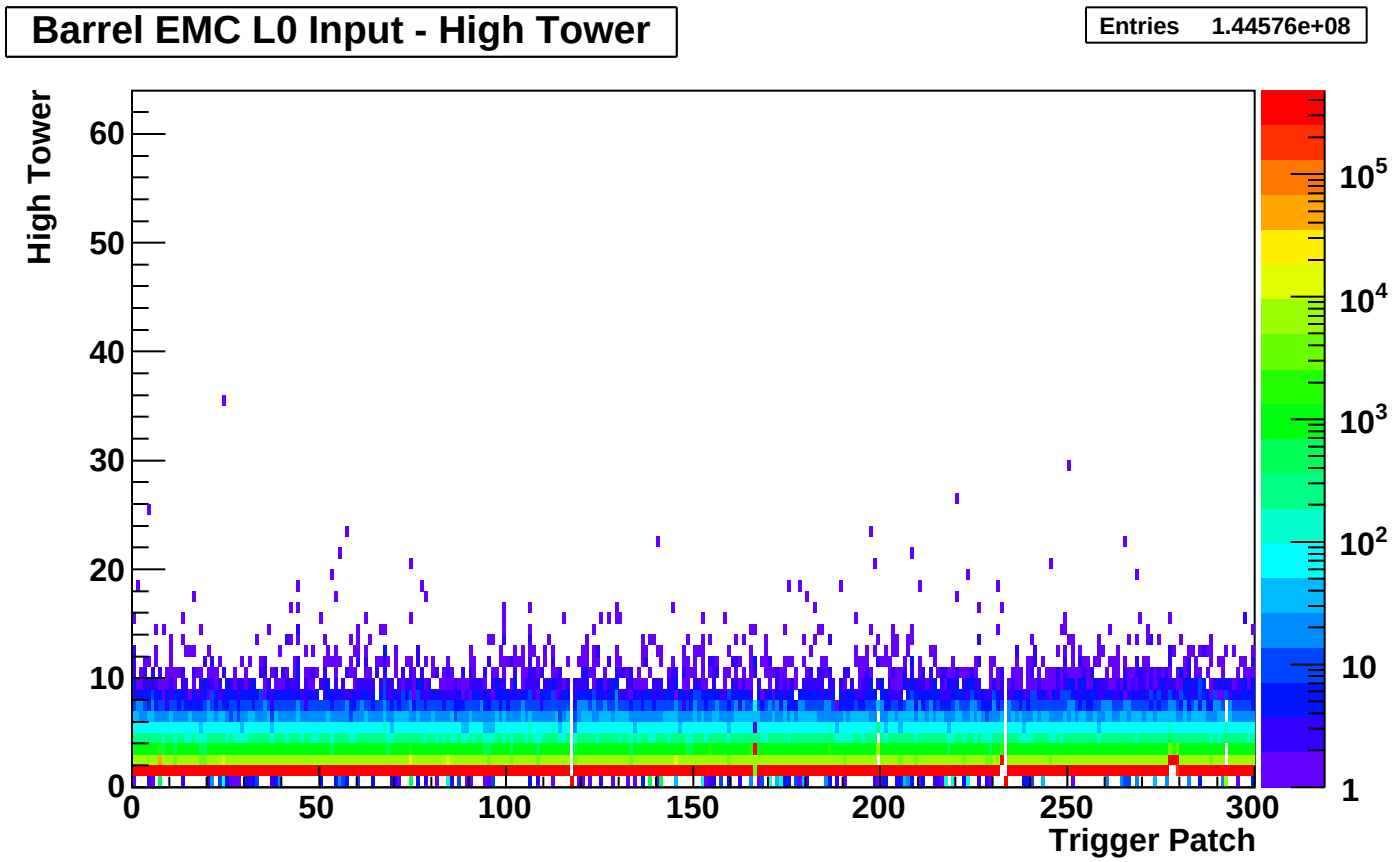

DAQ10k HT bits errors
Entries 0

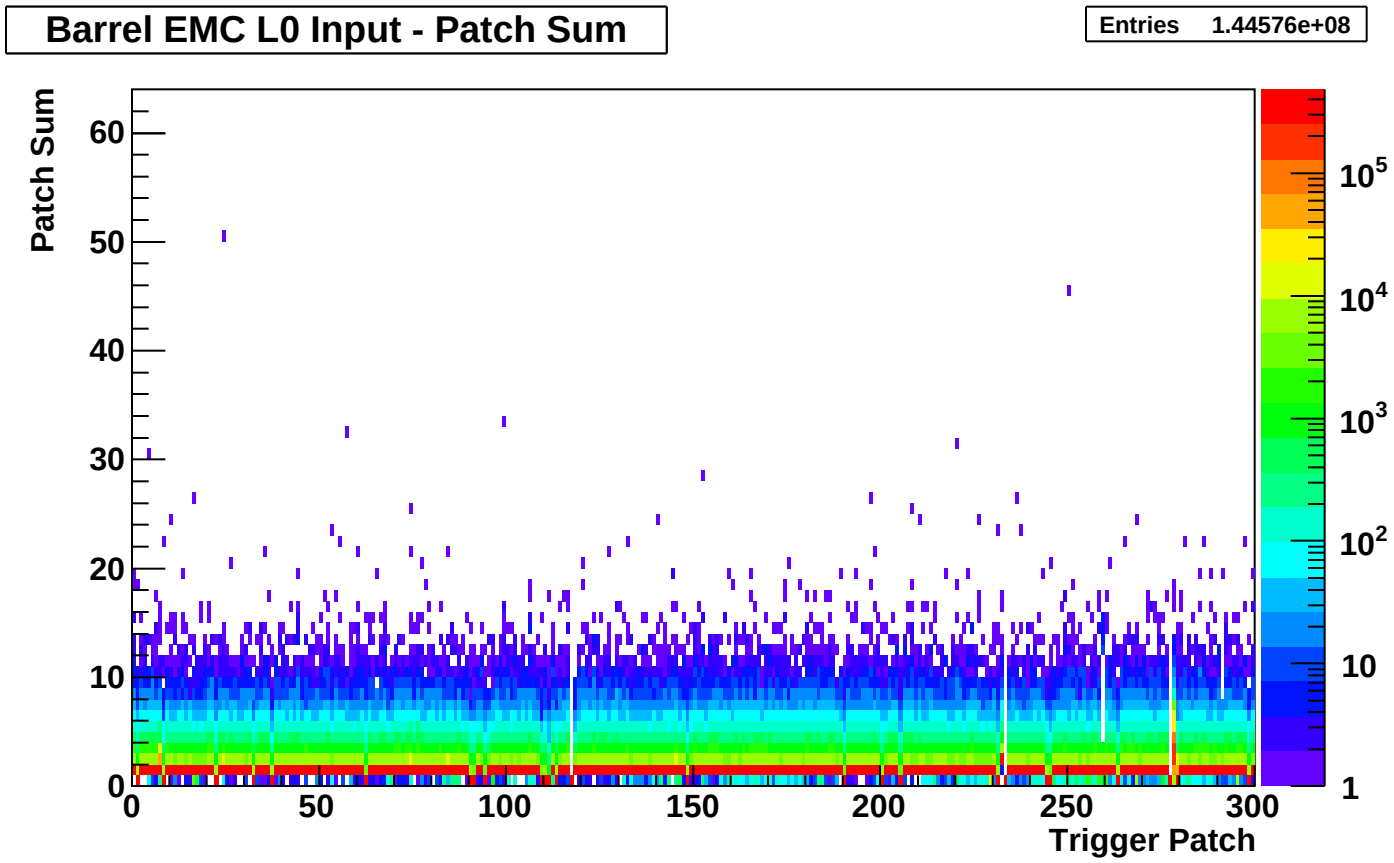

TPC Readout Mask (simulated)
Entries 396

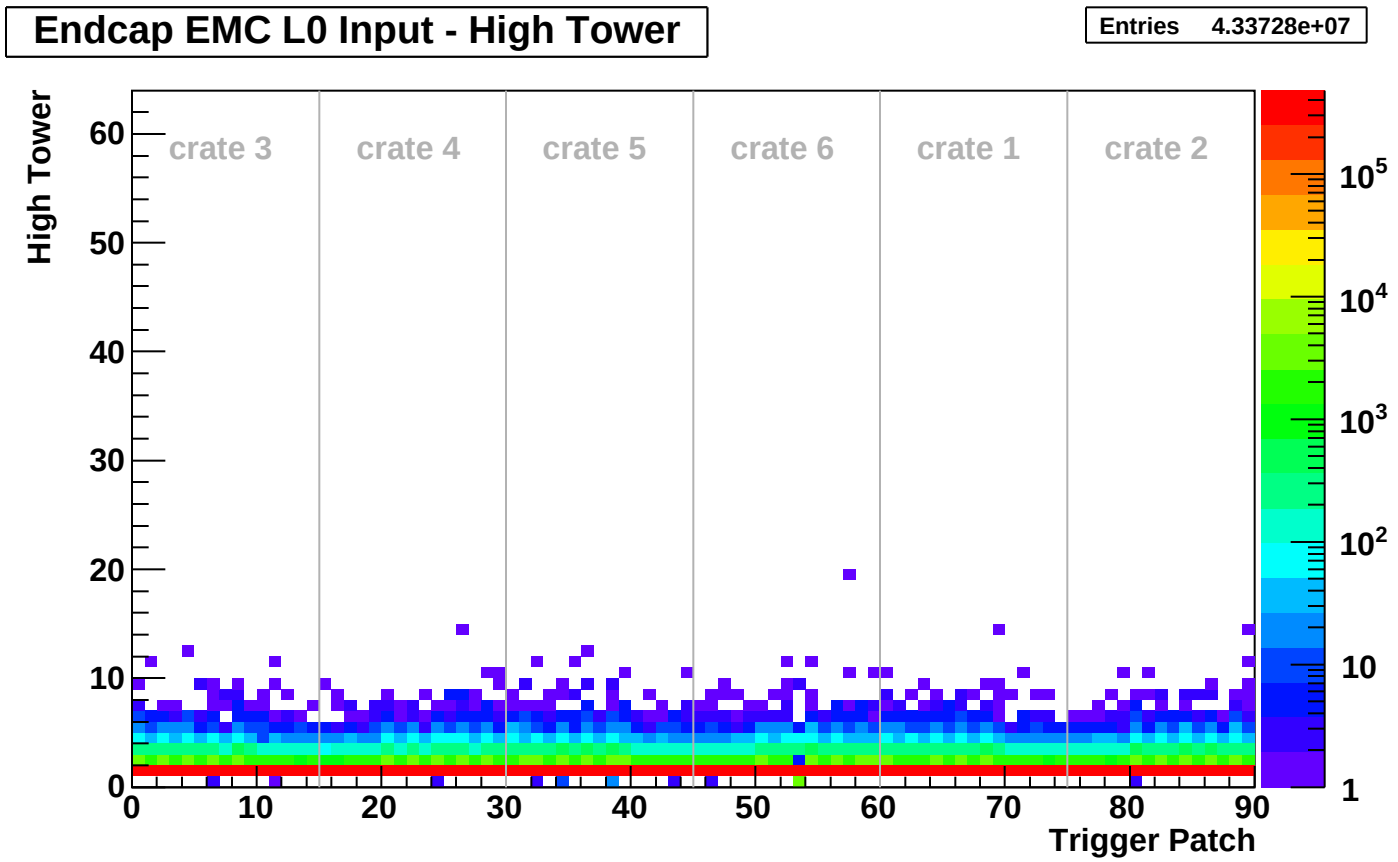

BunchId7Bit (all events)
Entries 481920

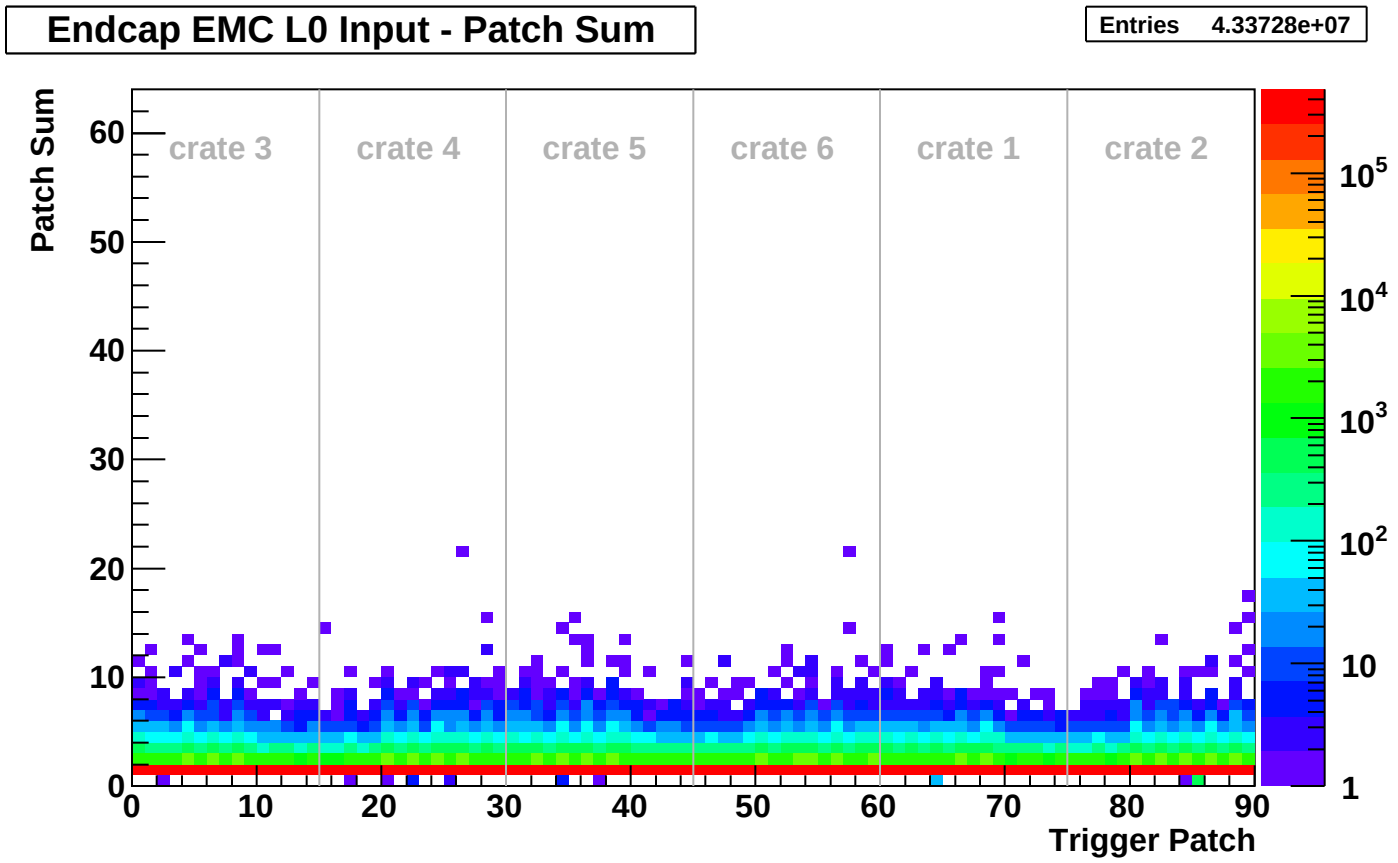

BunchId7Bit (JP1)
Entries 276

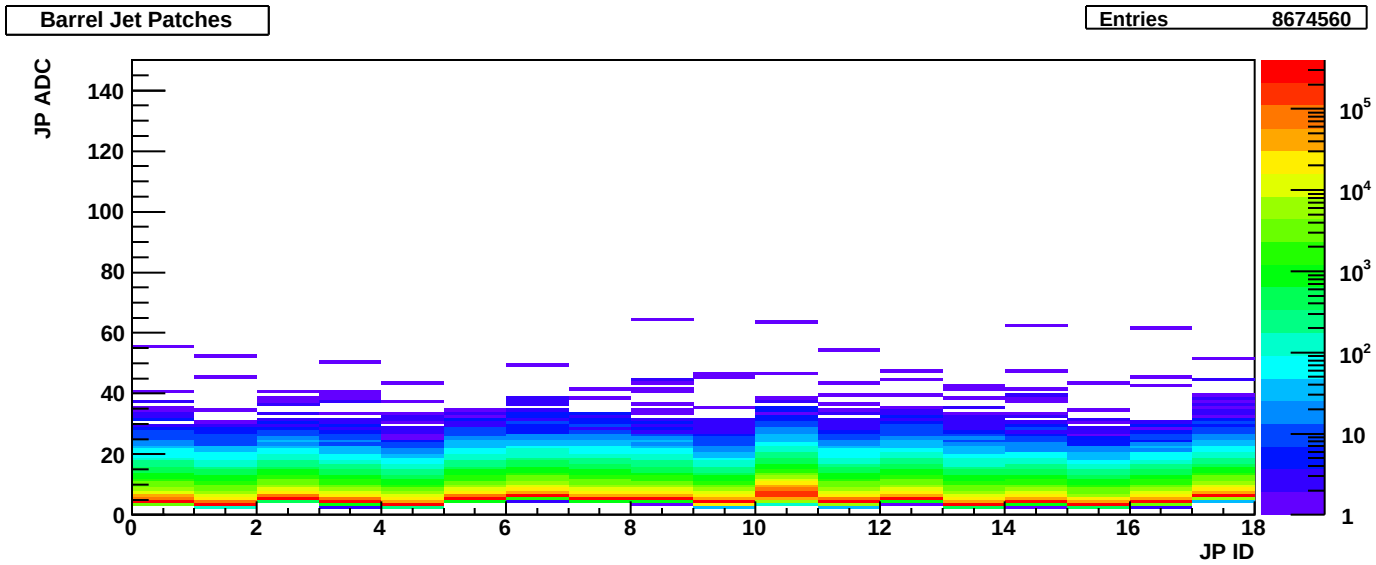

BunchId7Bit (JP2||AJP)
Entries 137

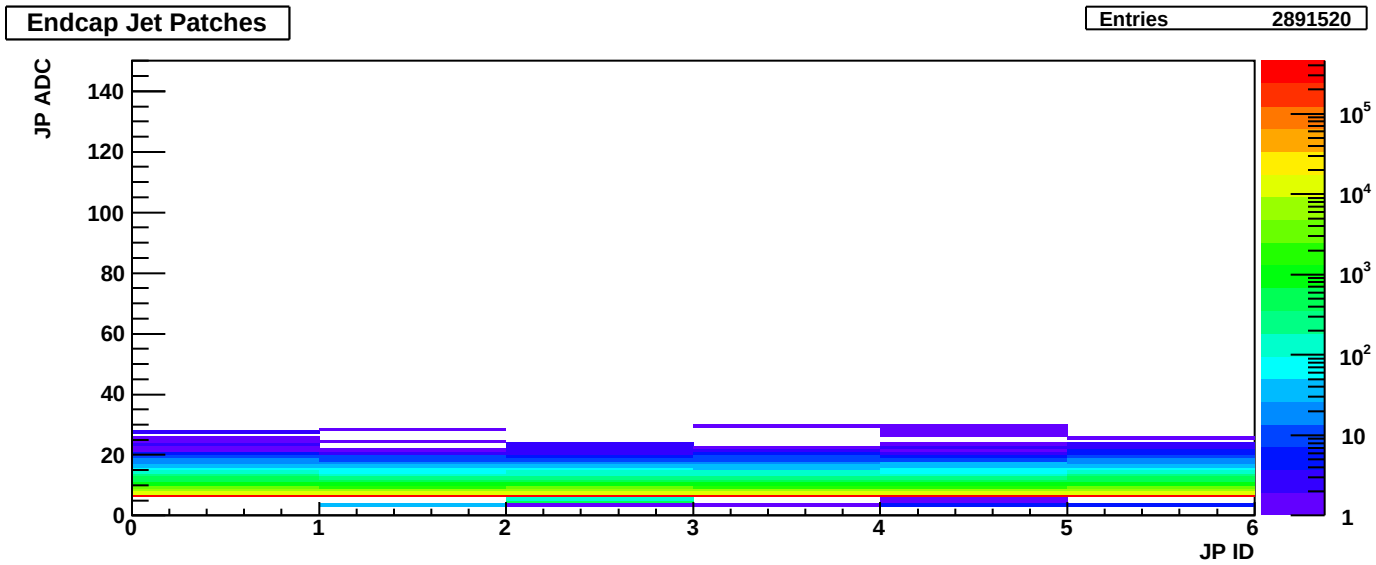

Barrel EMC L0 Input - High Tower
Entries 1.44576e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

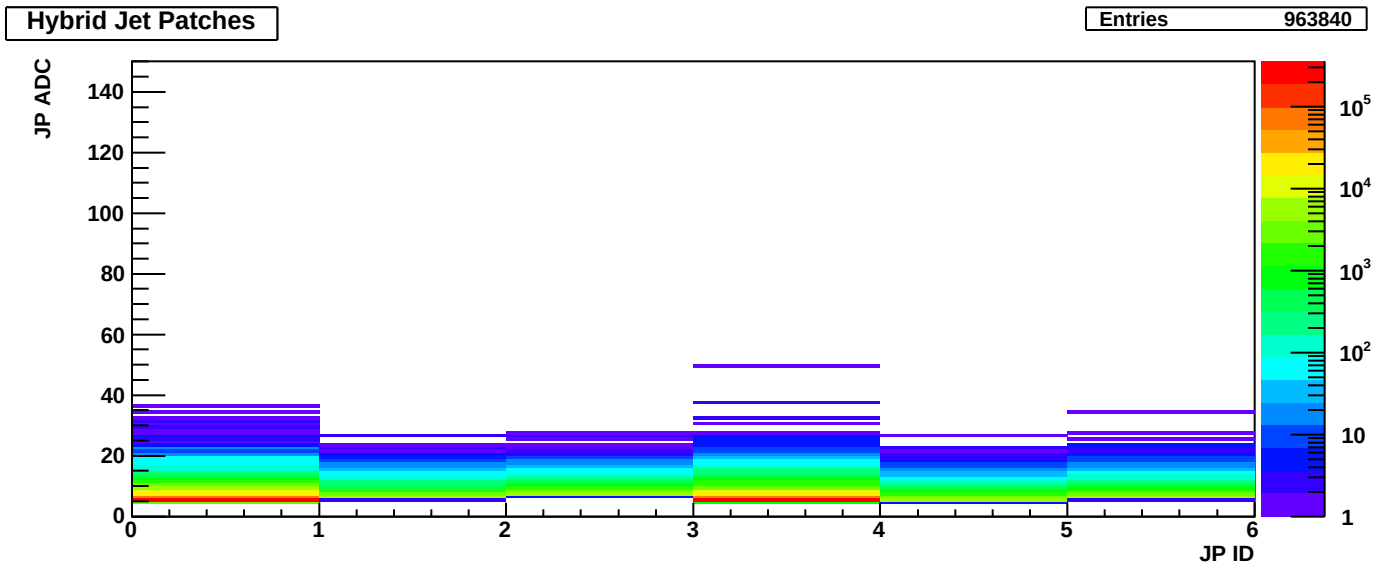

Barrel EMC L0 Input - Patch Sum
Entries 1.44576e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

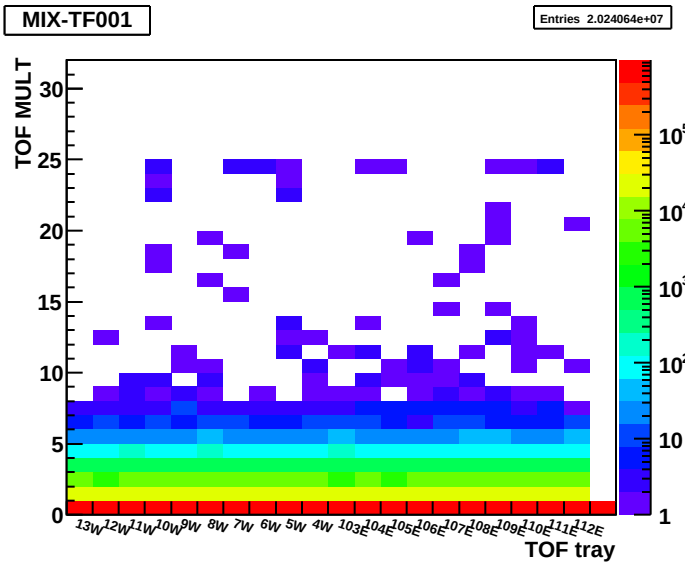

Endcap EMC L0 Input - High Tower
Entries 4.33728e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

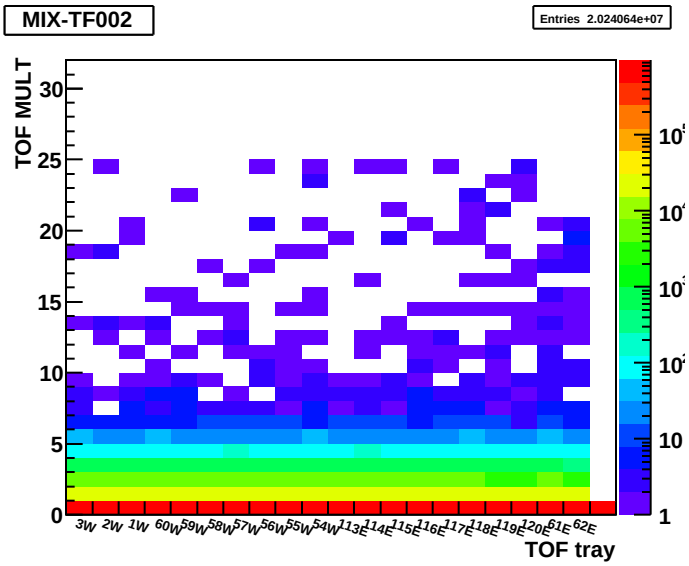

Endcap EMC L0 Input - Patch Sum
Entries 4.33728e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

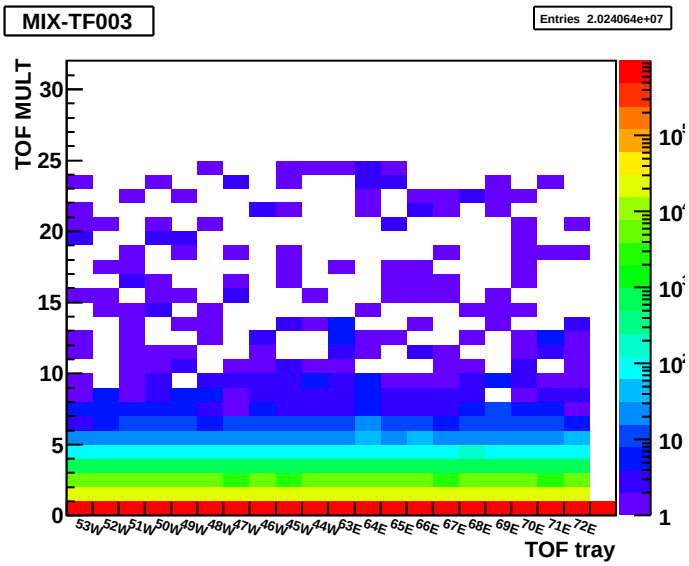

Barrel Jet Patches
Entries 8674560
JP ADC
JP ID

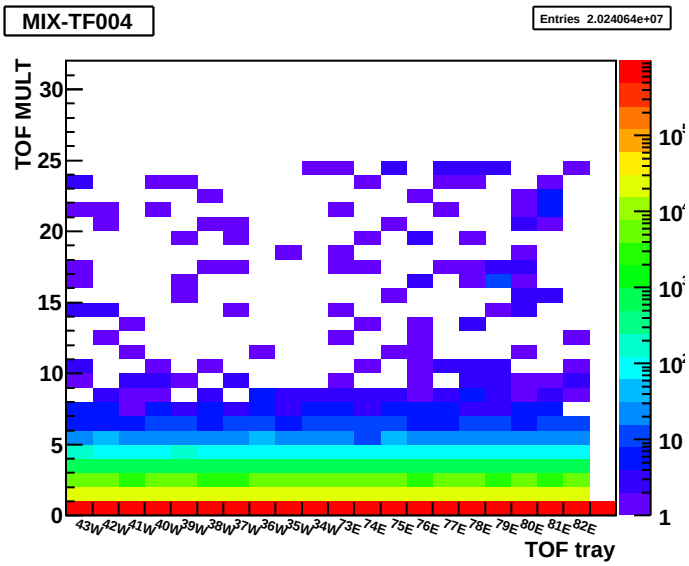

Endcap Jet Patches
Entries 2891520
JP ADC
JP ID

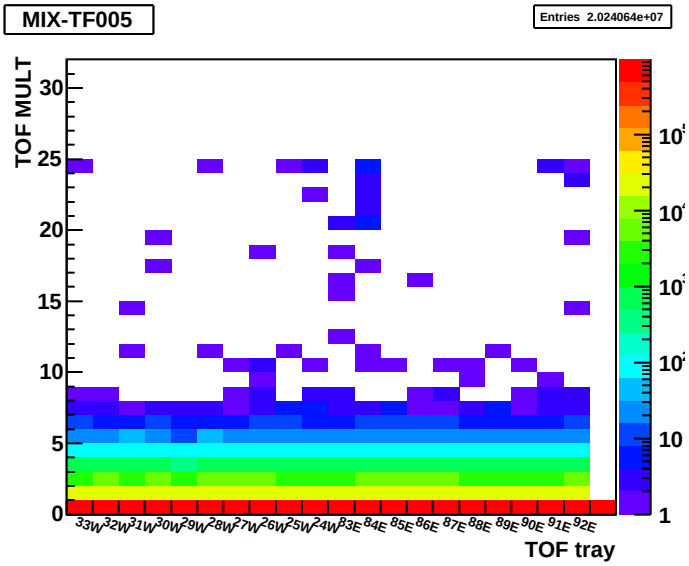

Hybrid Jet Patches
Entries 963840
JP ADC
JP ID

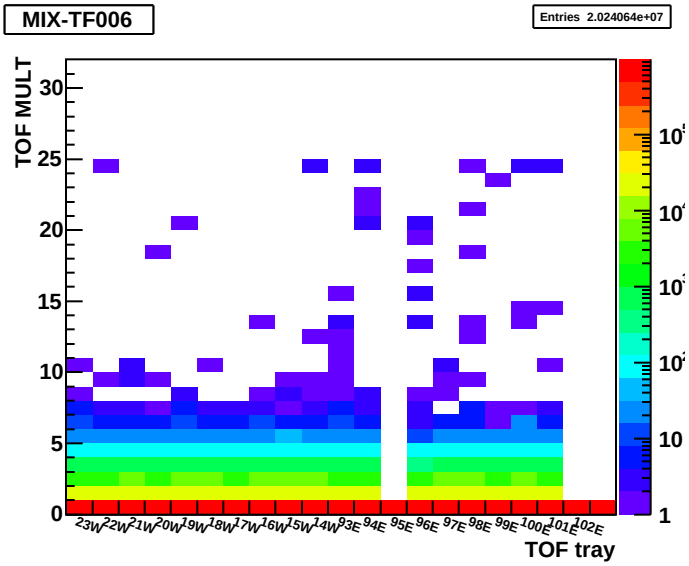

MIX-TF001
Entries 2.024064e+07
TOF MULT
TOF tray

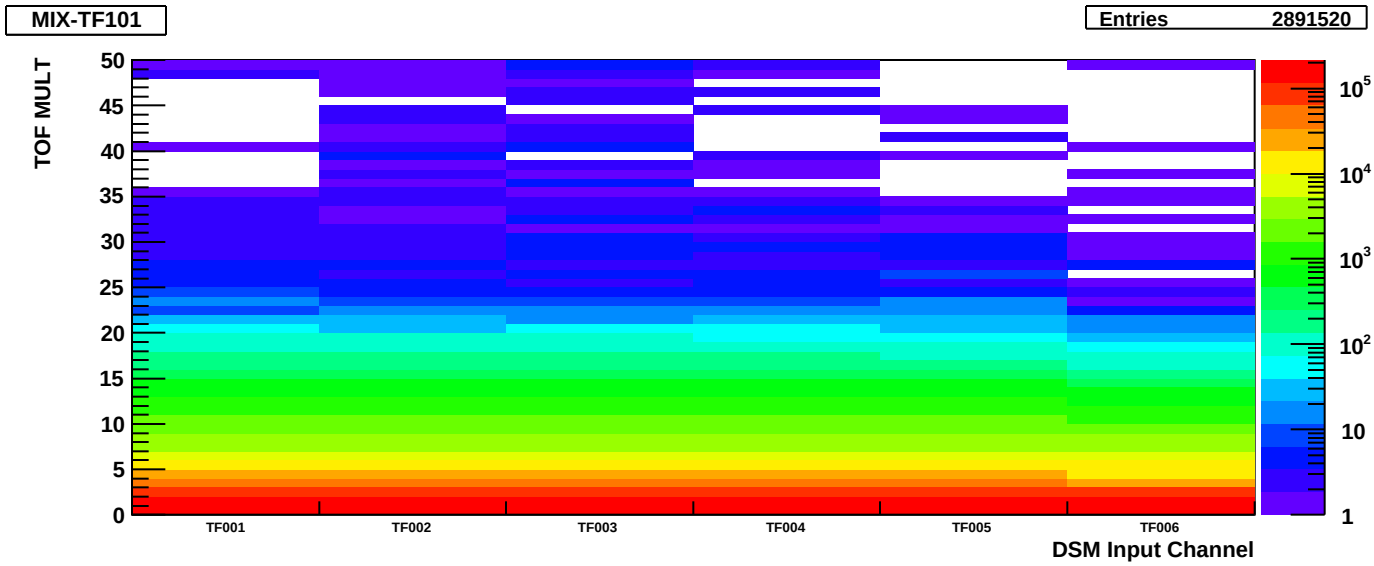

MIX-TF002
Entries 2.024064e+07
TOF MULT
TOF tray

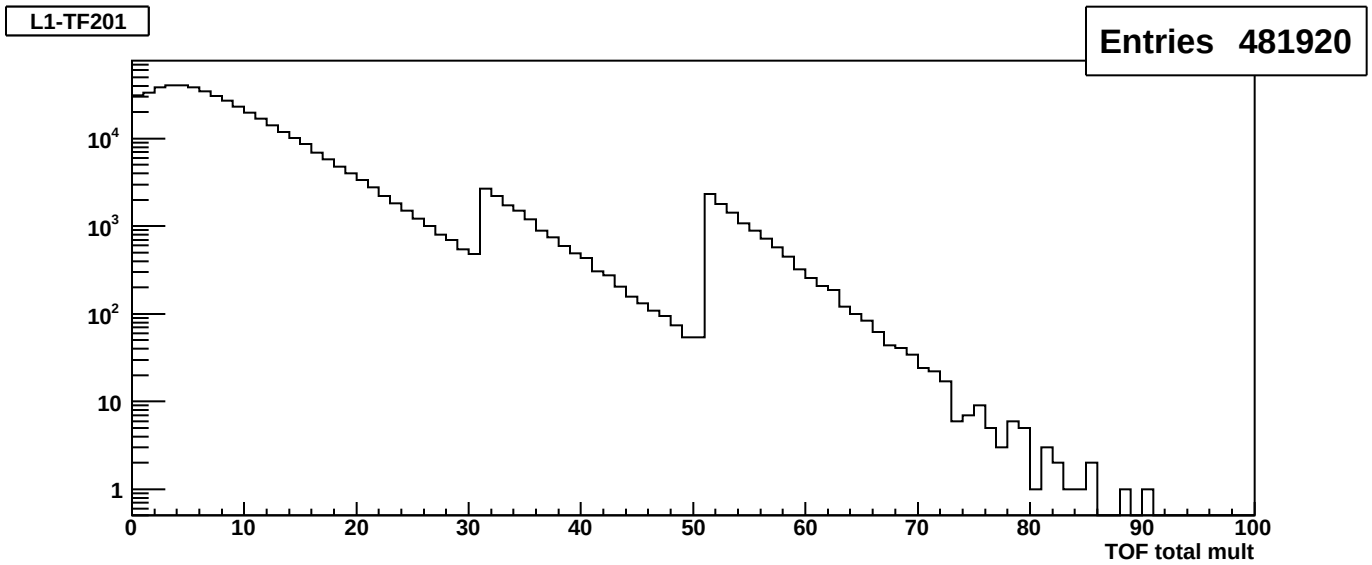

MIX-TF003
Entries 2.024064e+07
TOF MULT
TOF tray

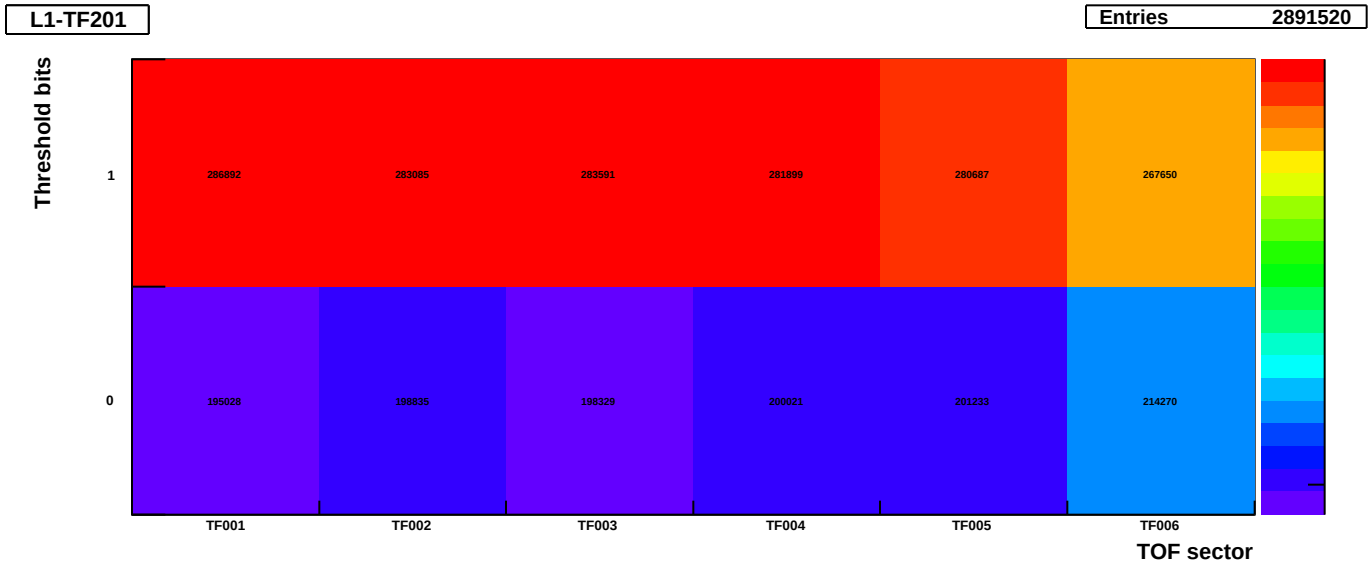

MIX-TF004
Entries 2.024064e+07
TOF MULT
TOF tray

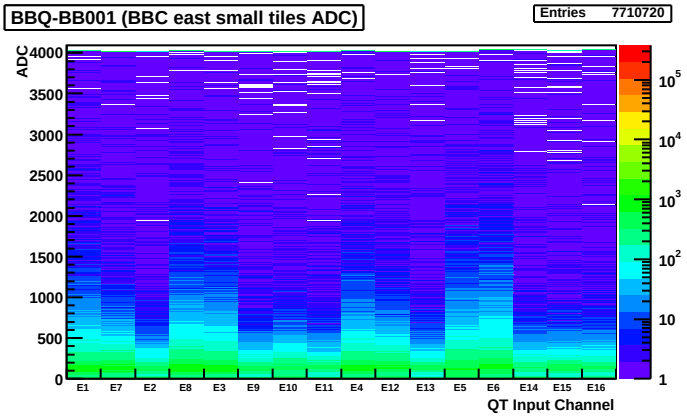

MIX-TF005
Entries 2.024064e+07
TOF MULT
TOF tray

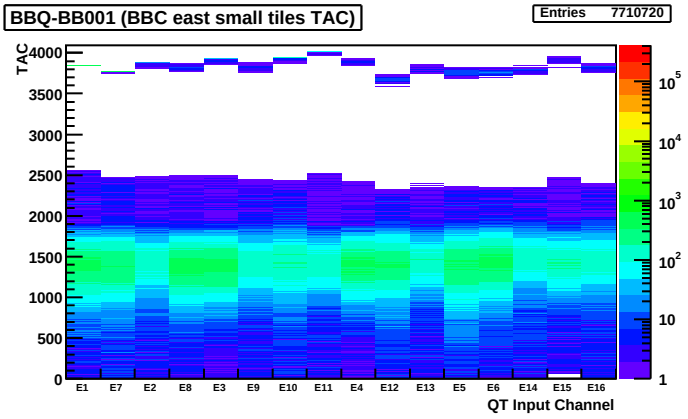

MIX-TF006
Entries 2.024064e+07
TOF MULT
TOF tray

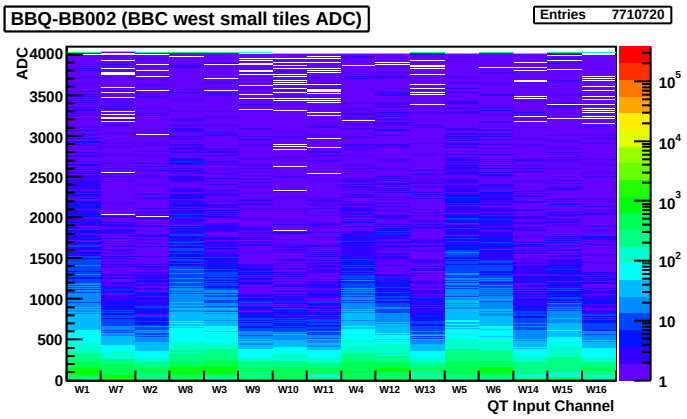

MIX-TF101
Entries 2891520
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

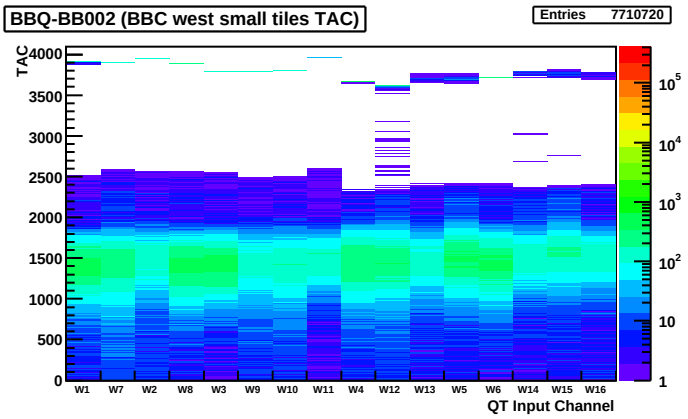

L1-TF201
Entries 481920
TOF total mult

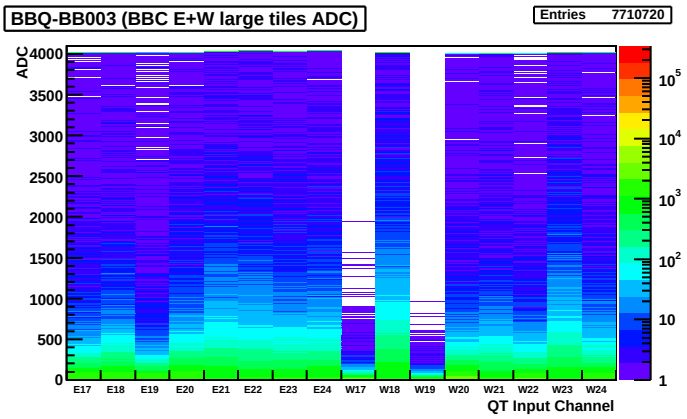

L1-TF201
Entries 2891520
Threshold bits
286892
283085
283591
281899
280687
267650
195028
198835
198329
200021
201233
214270
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector

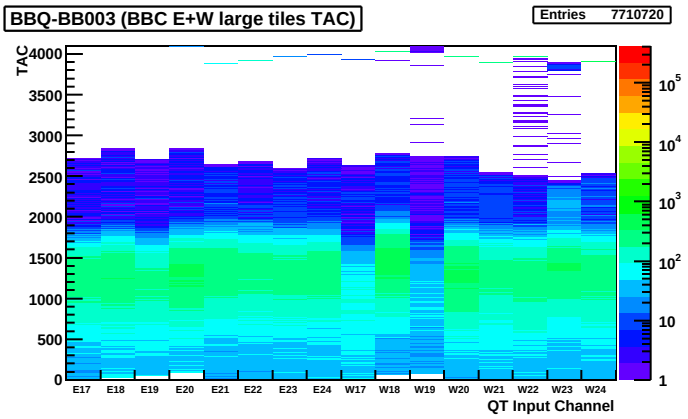

BBQ-BB001 (BBC east small tiles ADC)
Entries 7710720
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

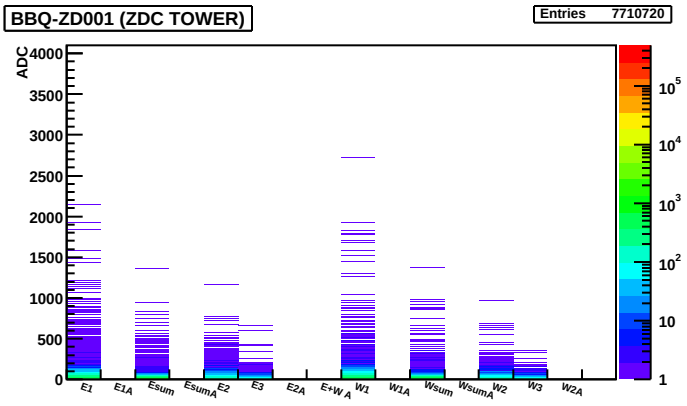

BBQ-BB001 (BBC east small tiles TAC)
Entries 7710720
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

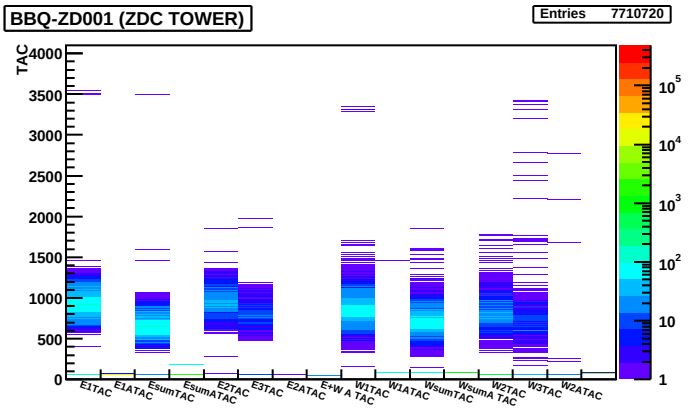

BBQ-BB002 (BBC west small tiles ADC)
Entries 7710720
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

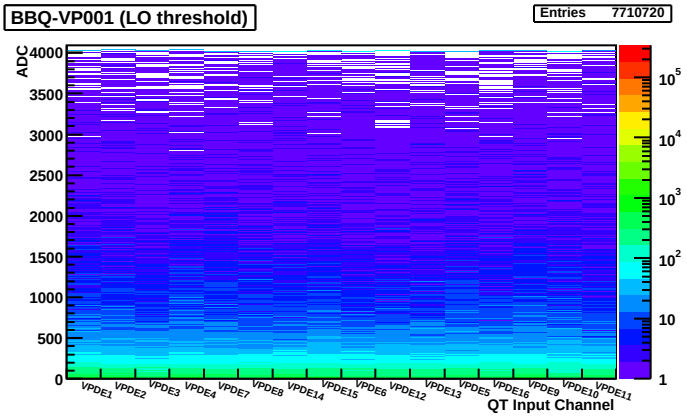

BBQ-BB002 (BBC west small tiles TAC)
Entries 7710720
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

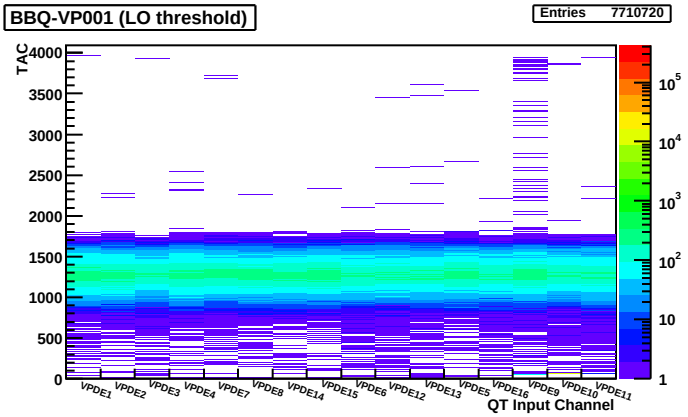

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 7710720
ADC
QT Input Channel
E17 E18 E19 E20 E21 E22 E23 E24 W17 W18 W19 W20 W21 W22 W23 W24

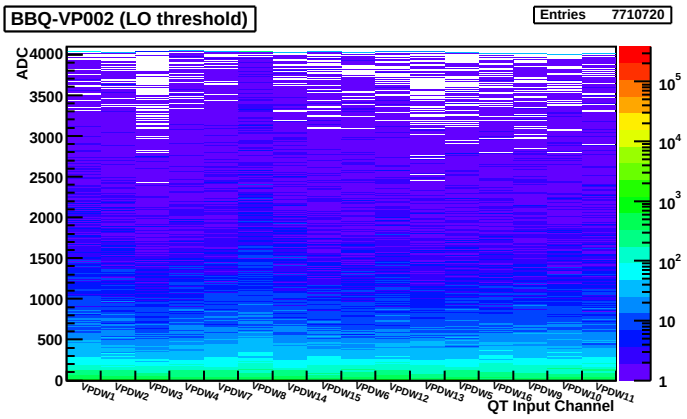

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 7710720
TAC
QT Input Channel
E17 E18 E19 E20 E21 E22 E23 E24 W17 W18 W19 W20 W21 W22 W23 W24

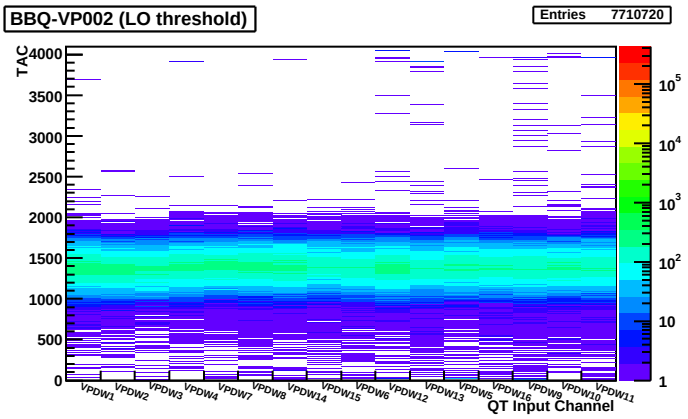

BBQ-ZD001 (ZDC TOWER)
Entries 7710720
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

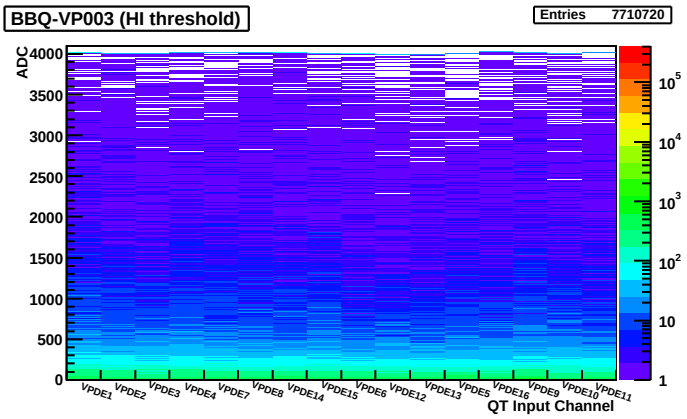

BBQ-ZD001 (ZDC TOWER)
Entries 7710720
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

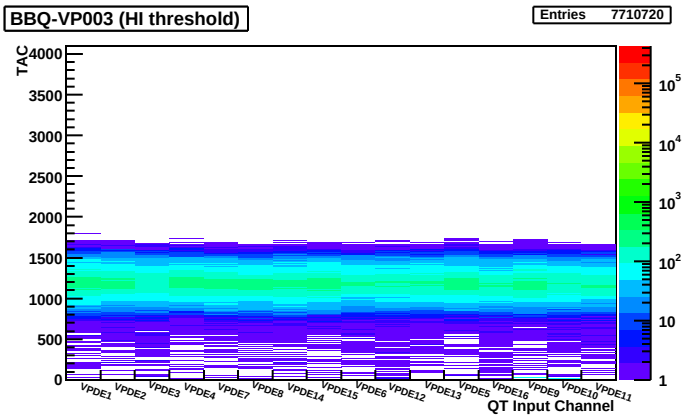

BBQ-VP001 (LO threshold)
Entries 7710720
ADC
QT Input Channel

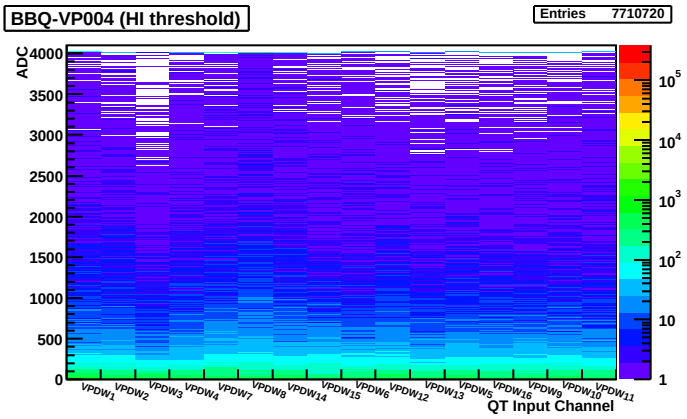

BBQ-VP001 (LO threshold)
Entries 7710720
TAC
QT Input Channel

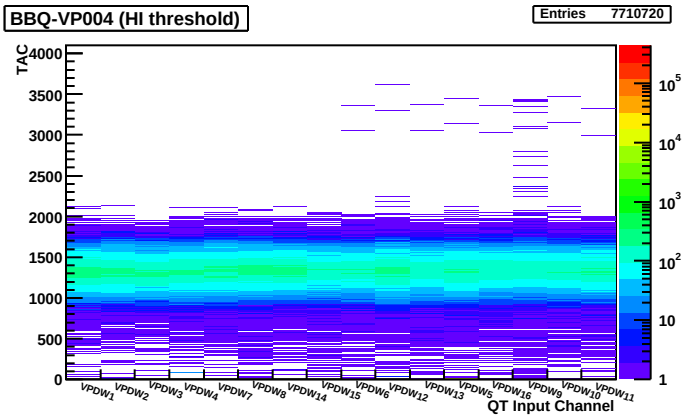

BBQ-VP002 (LO threshold)
Entries 7710720
ADC
QT Input Channel

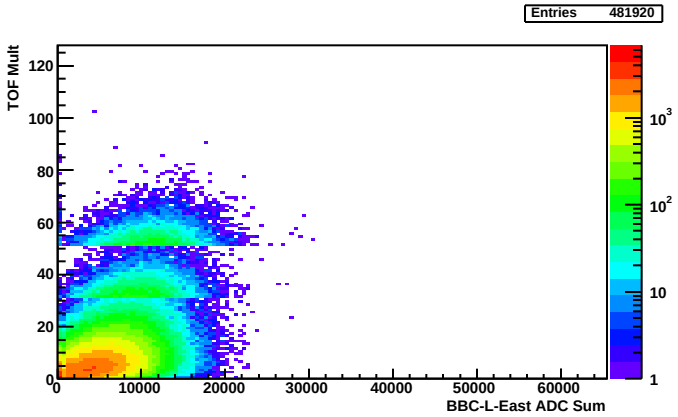

BBQ-VP002 (LO threshold)
Entries 7710720
TAC
QT Input Channel

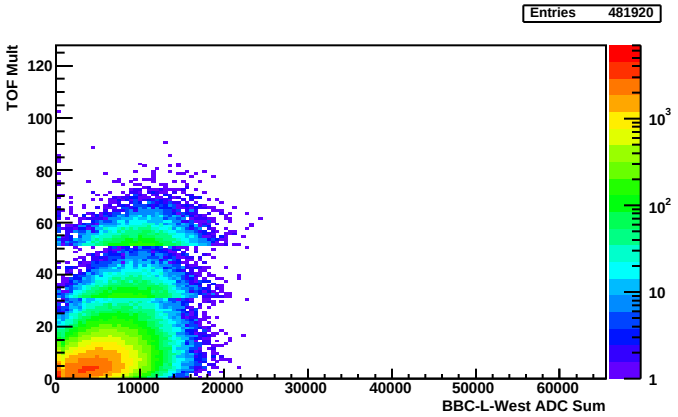

BBQ-VP003 (HI threshold)
Entries 7710720
ADC
QT Input Channel

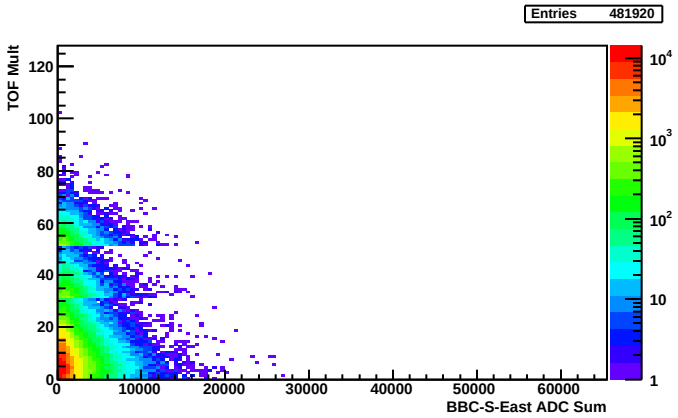

BBQ-VP003 (HI threshold)
Entries 7710720
TAC
QT Input Channel

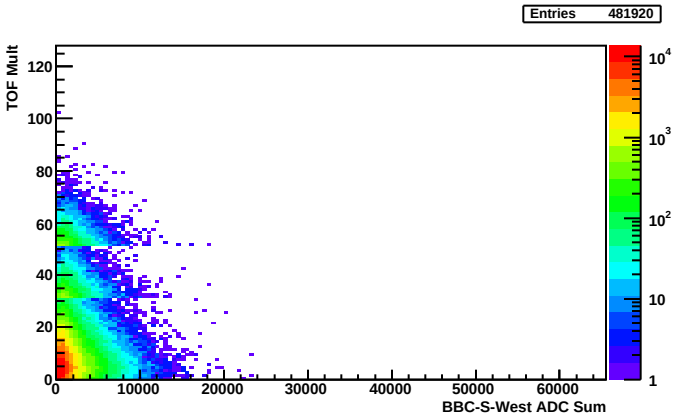

BBQ-VP004 (HI threshold)
Entries 7710720
ADC
QT Input Channel

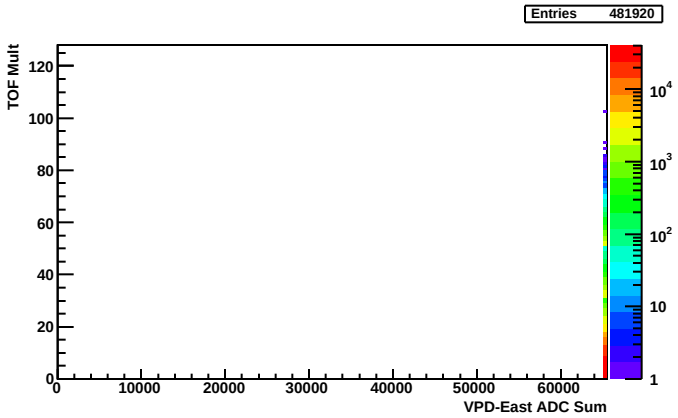

BBQ-VP004 (HI threshold)
Entries 7710720
TAC
QT Input Channel

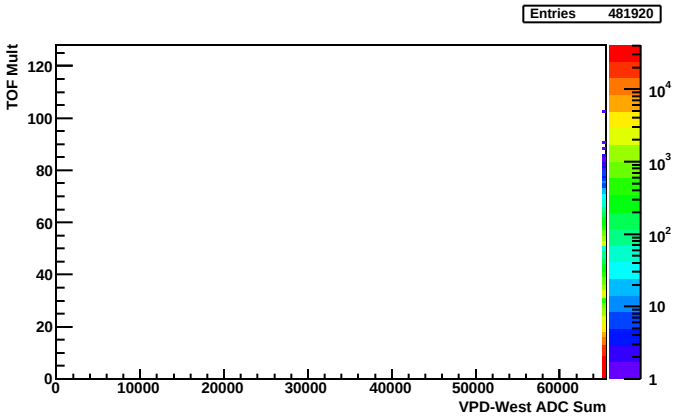

Entries 481920
TOF Mult
BBC-L-East ADC Sum

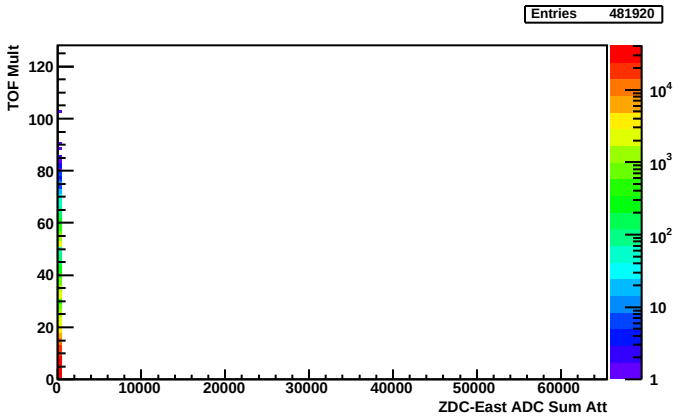

Entries 481920
TOF Mult
BBC-L-West ADC Sum

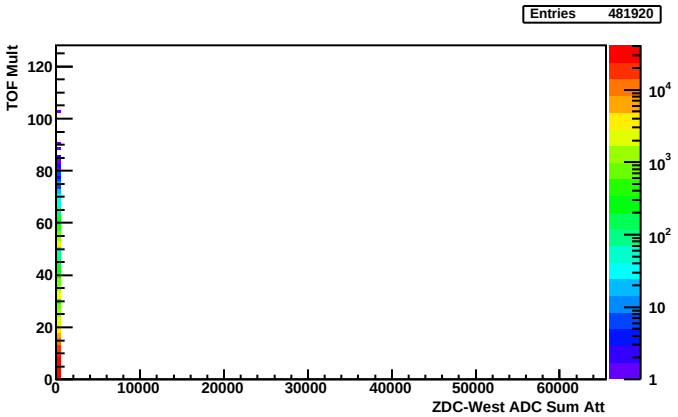

Entries 481920
TOF Mult
BBC-S-East ADC Sum

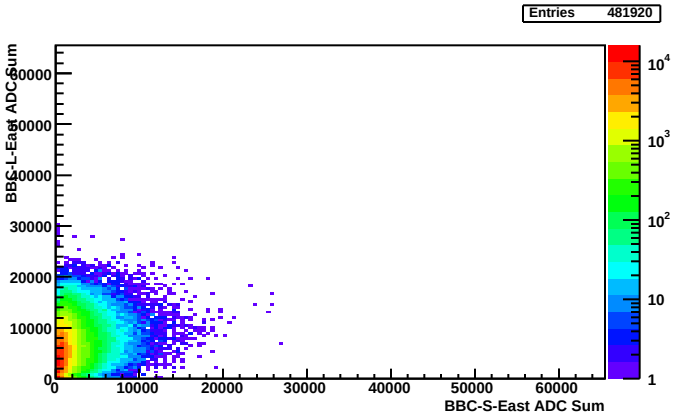

Entries 481920
TOF Mult
BBC-S-West ADC Sum

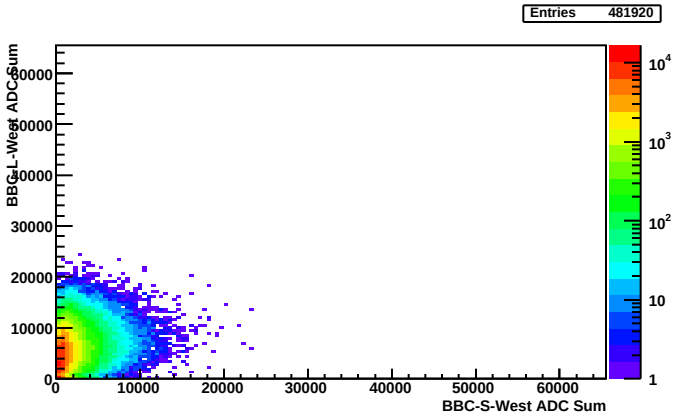

Entries 481920
TOF Mult
VPD-East ADC Sum

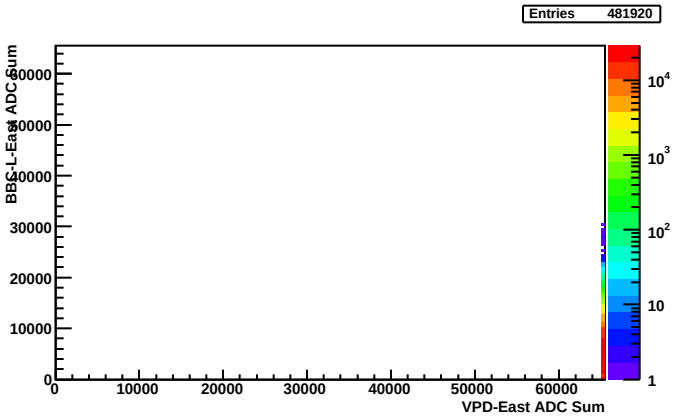

Entries 481920
TOF Mult
VPD-West ADC Sum

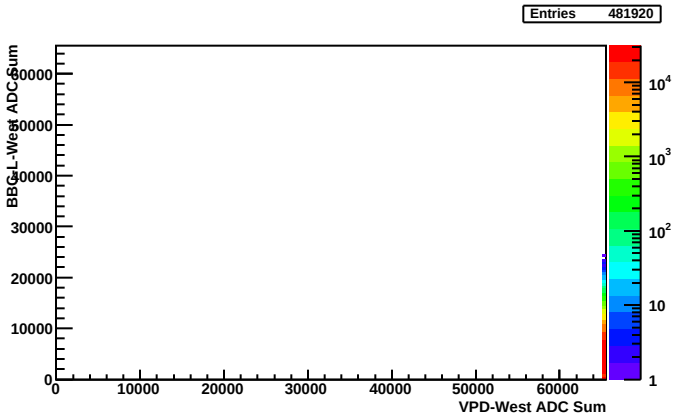

Entries 481920
TOF Mult
ZDC-East ADC Sum Att

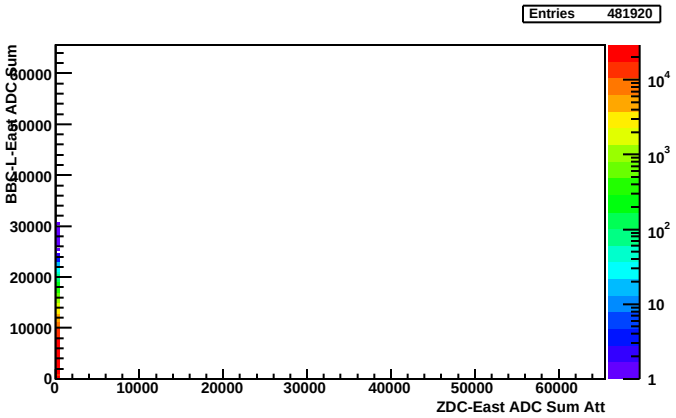

Entries 481920
TOF Mult
ZDC-West ADC Sum Att

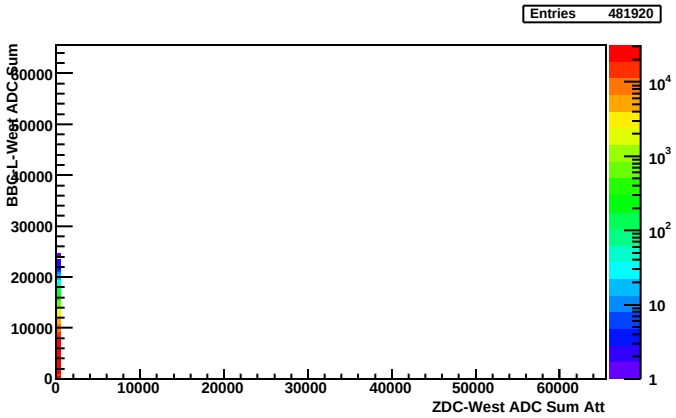

Entries 481920
BBC-L-East ADC Sum
BBC-S-East ADC Sum

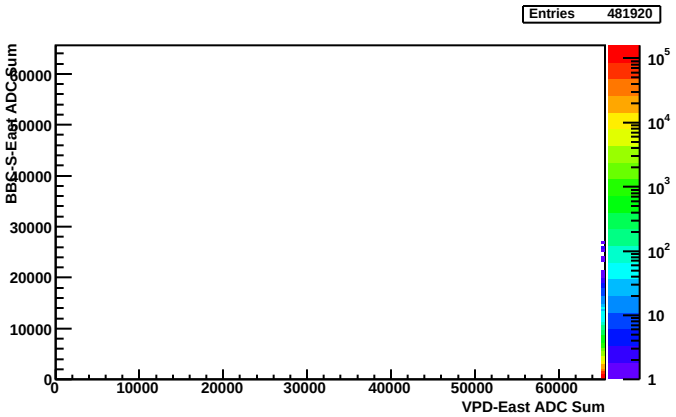

Entries 481920
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 481920
BBC-L-East ADC Sum
VPD-East ADC Sum


Entries 481920
BBC-L-West ADC Sum
VPD-West ADC Sum


Entries 481920
BBC-L-East ADC Sum
ZDC-East ADC Sum Att


Entries 481920
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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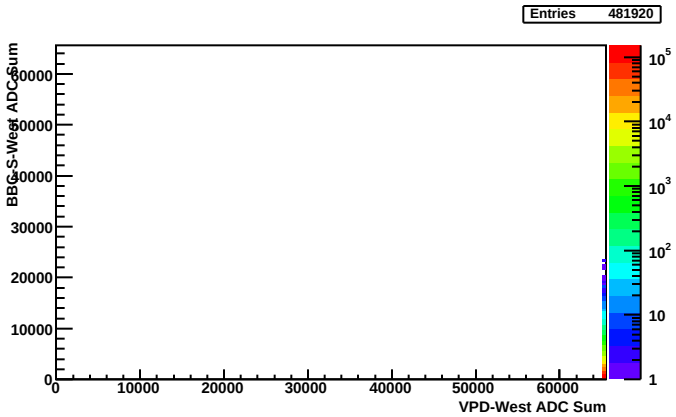
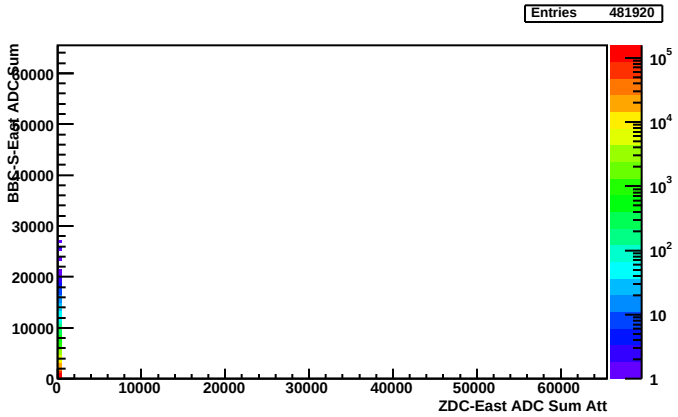
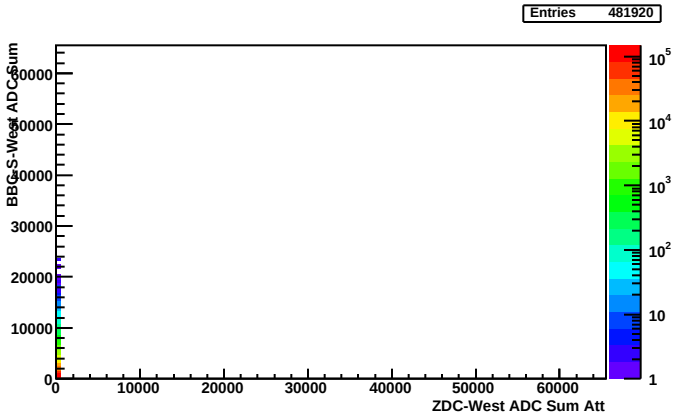
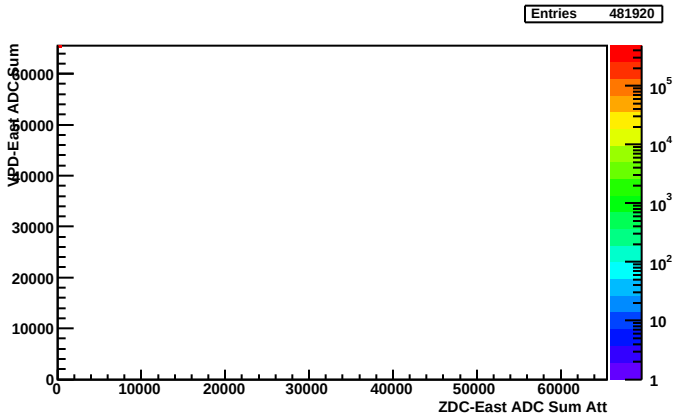
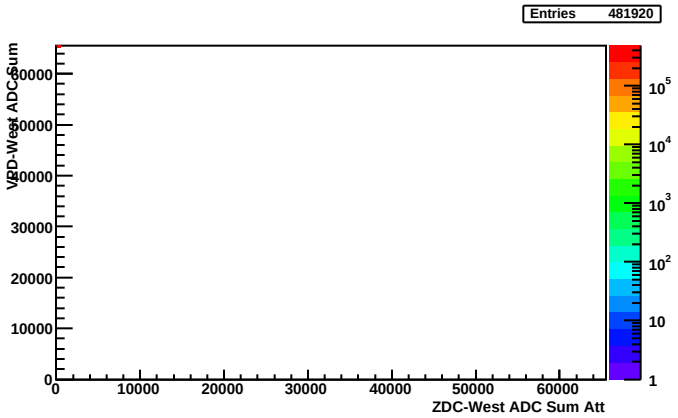
BBC-S-East ADC Sum
VPD-East ADC Sum


Entries 481920
BBC-S-West ADC Sum
VPD-West ADC Sum


Entries 481920
BBC-S-East ADC Sum
ZDC-East ADC Sum Att


Entries 481920
BBC-S-West ADC Sum
ZDC-West ADC Sum Att


Entries 481920
VPD-East ADC Sum
ZDC-East ADC Sum Att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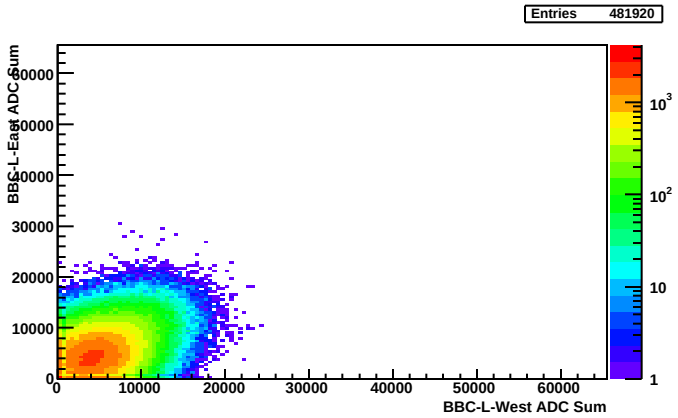
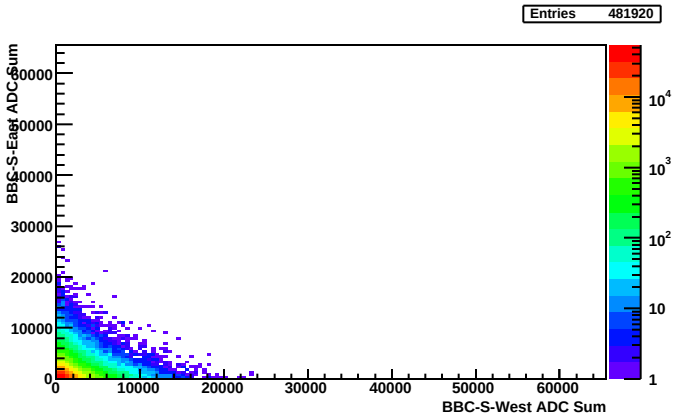
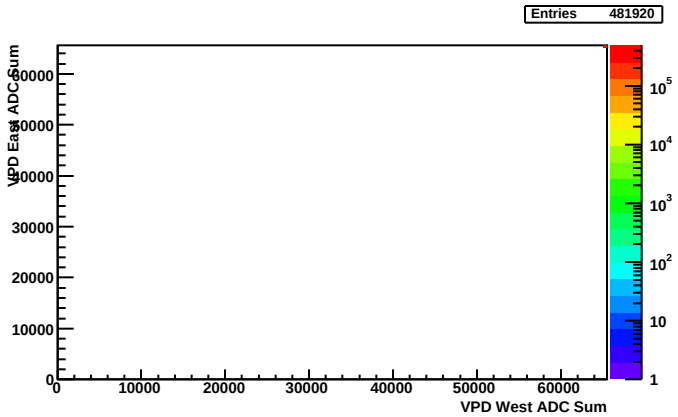
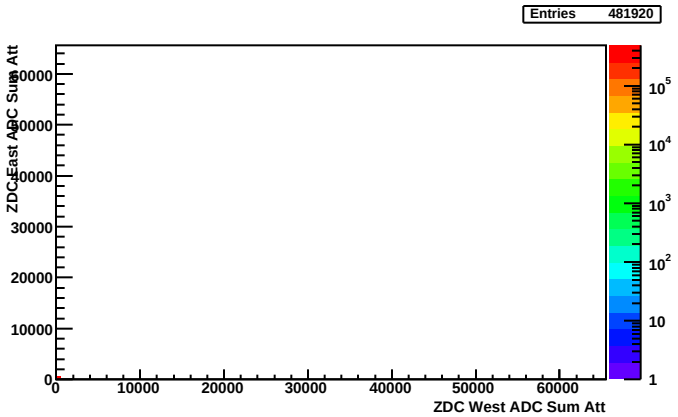
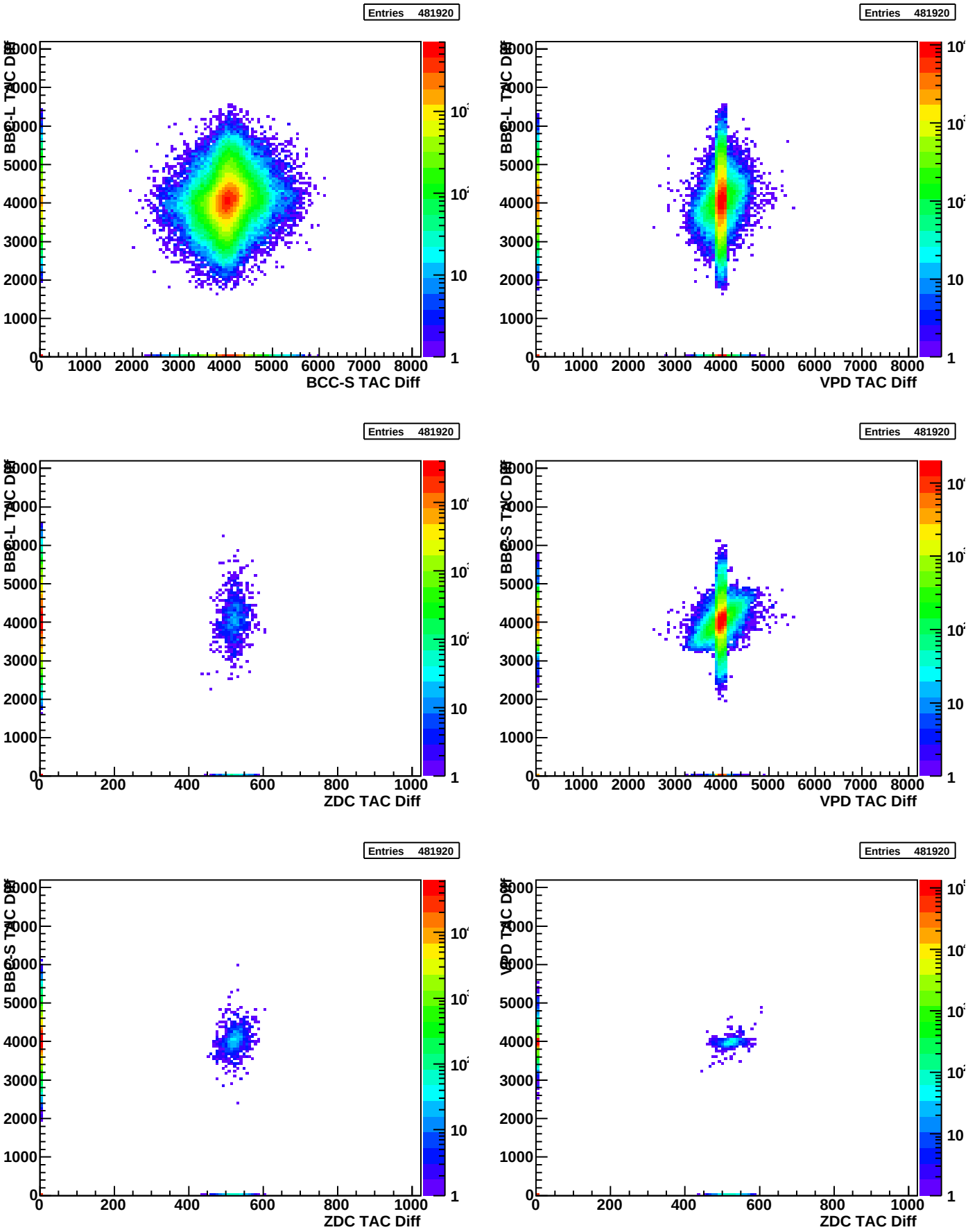
VPD-West ADC Sum
ZDC-West ADC Sum Att


Entries 481920
BBC-L-East ADC Sum
BBC-L-West ADC Sum


Entries 481920
BBC-S-East ADC Sum
BBC-S-West ADC Sum


Entries 481920
VPD East ADC Sum
VPD West ADC Sum


Entries 481920
ZDC East ADC Sum Att
ZDC West ADC Sum Att


Entries 481920
BBC-L TAC Diff
BCC-S TAC Diff
Entries 481920
BBC-L TAC Diff
VPD TAC Diff
Entries 481920
BBC-L TAC Diff
ZDC TAC Diff
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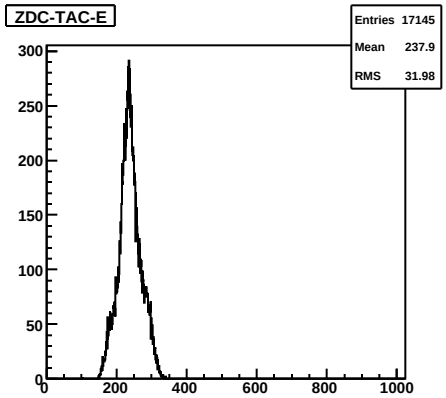
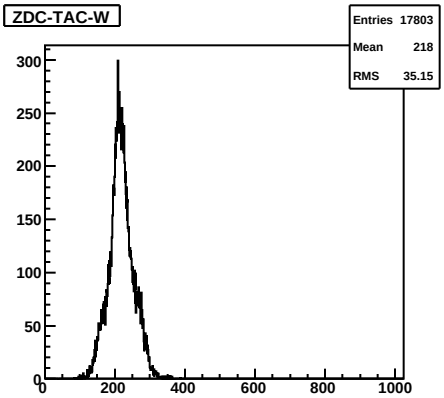
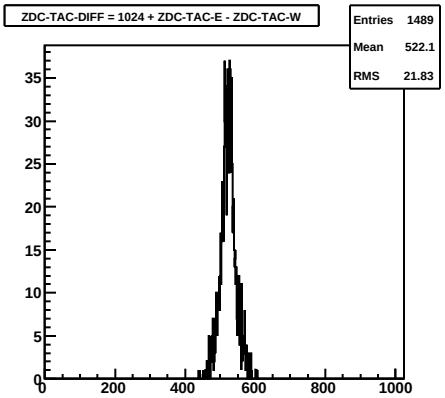
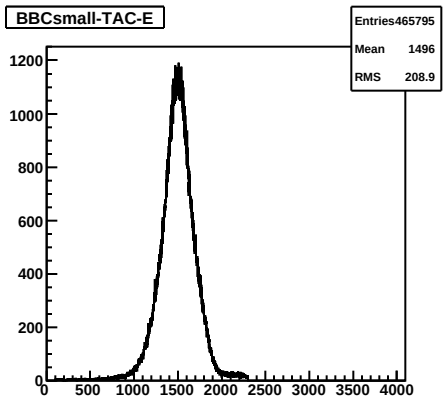
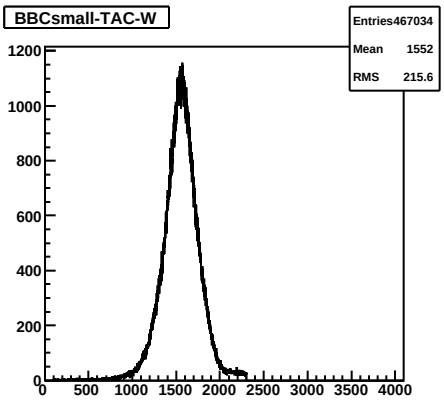
Entries 481920
VPD TAC Diff
ZDC TAC Diff

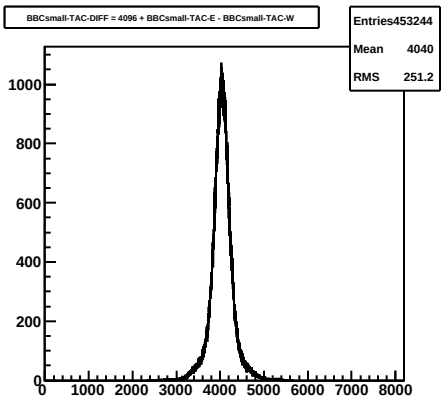

ZDC-TAC-E
Entries 17145
Mean 237.9
RMS 31.98

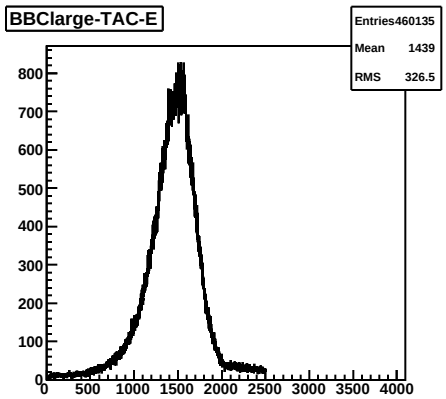

ZDC-TAC-W
Entries 17803
Mean 218
RMS 35.15

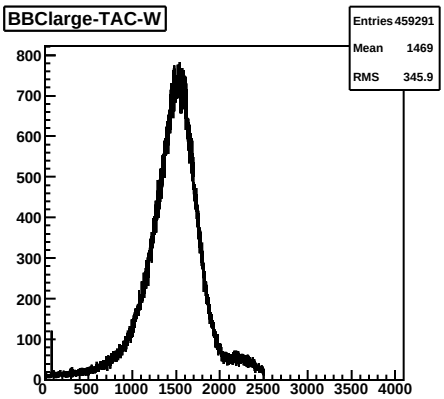

ZDC-TAC-DIFF = 1024 + ZDC-TAC-E - ZDC-TAC-W
Entries 1489
Mean 522.1
RMS 21.83

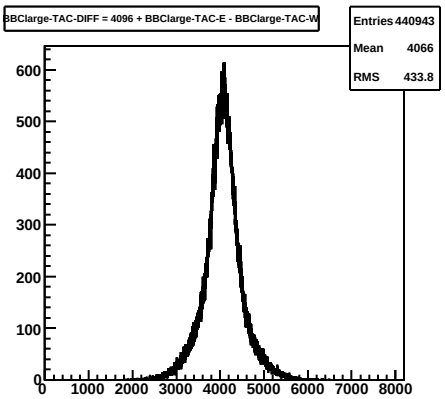

BBCsmall-TAC-E
Entries465795
Mean 1496
RMS 208.9

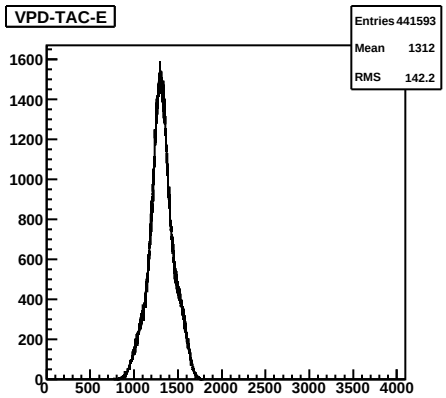

BBCsmall-TAC-W
Entries467034
Mean 1552
RMS 215.6

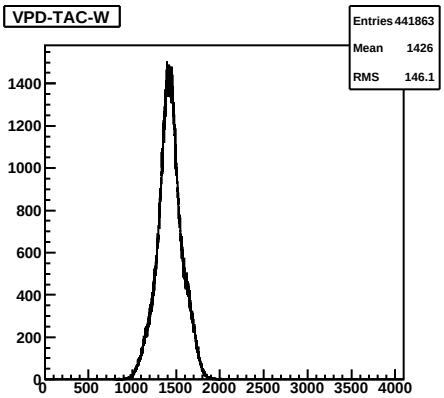

BBCsmall-TAC-DIFF = 4096 + BBCsmall-TAC-E - BBCsmall-TAC-W
Entries453244
Mean 4040
RMS 251.2

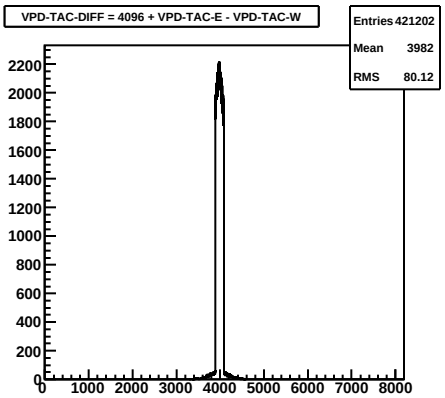

BBClarge-TAC-E
Entries460135
Mean 1439
RMS 326.5

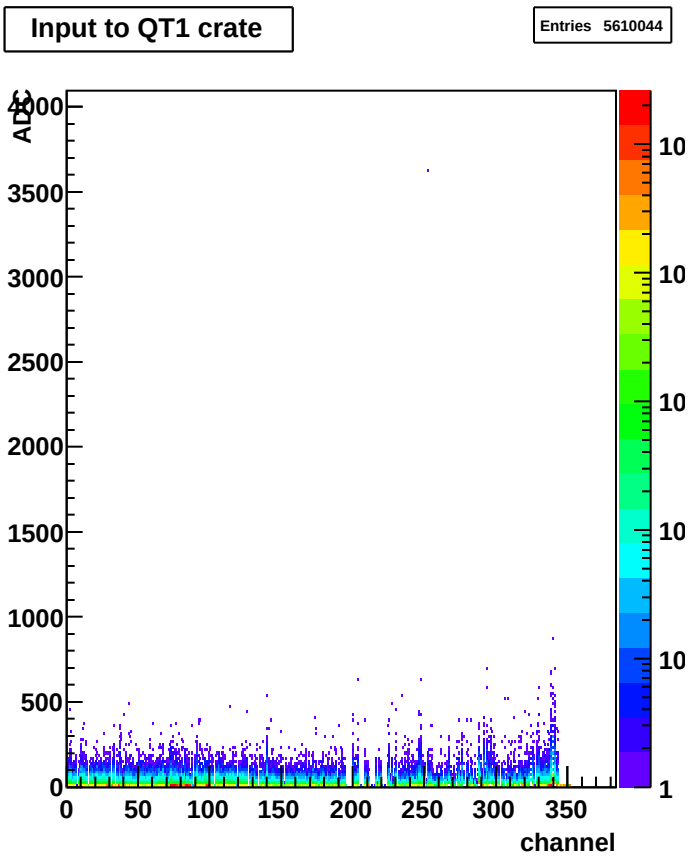

BBClarge-TAC-W
Entries459291
Mean 1469
RMS 345.9

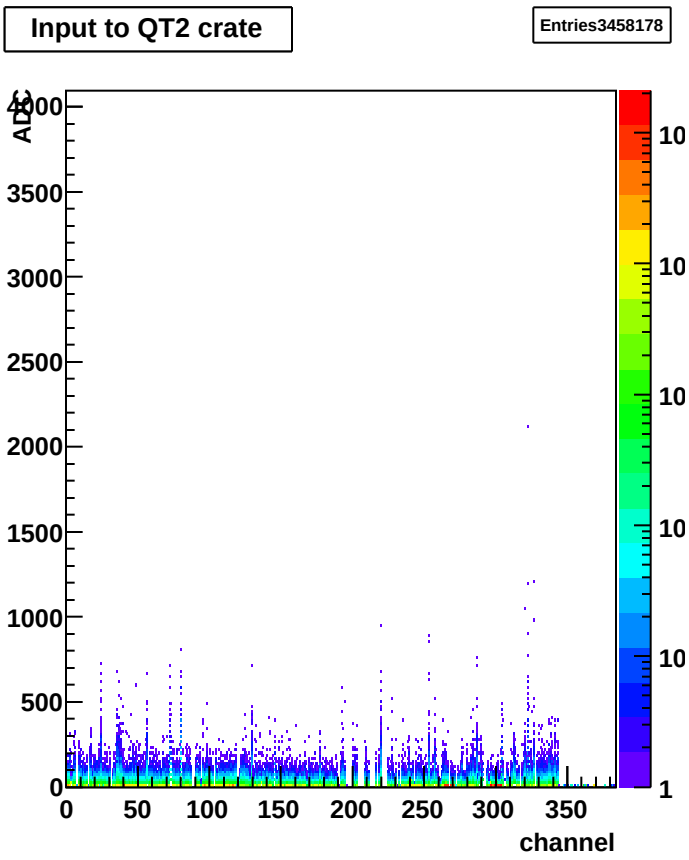

BBClarge-TAC-DIFF = 4096 + BBClarge-TAC-E - BBClarge-TAC-W
Entries440943
Mean 4066
RMS 433.8

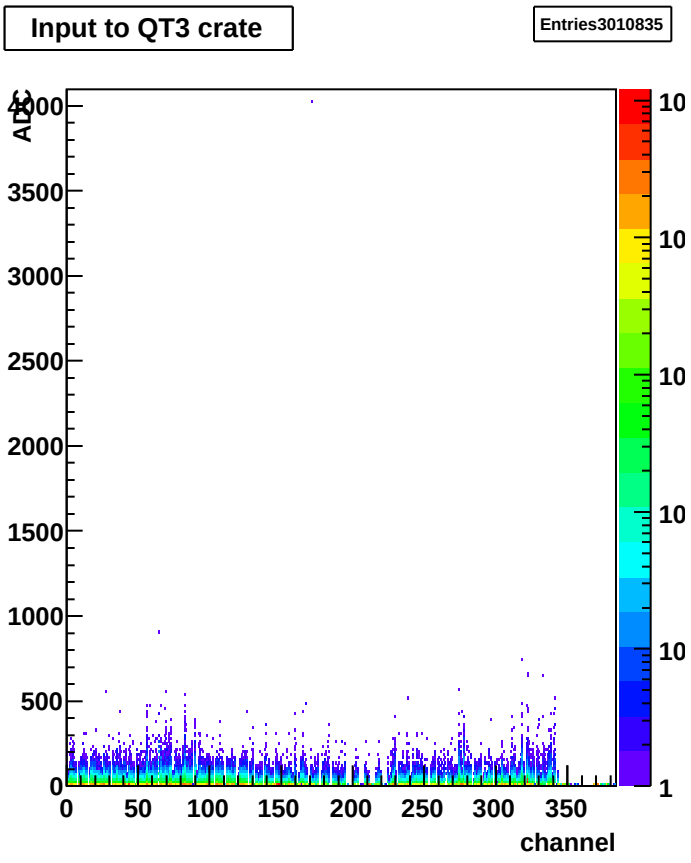

VPD-TAC-E
Entries441593
Mean 1312
RMS 142.2

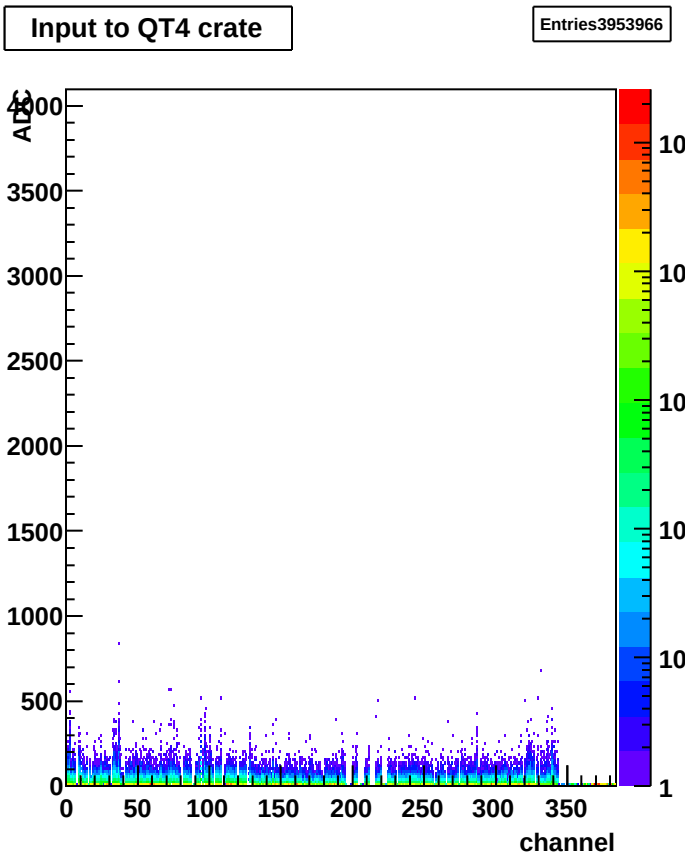

VPD-TAC-W
Entries441863
Mean 1426
RMS 146.1

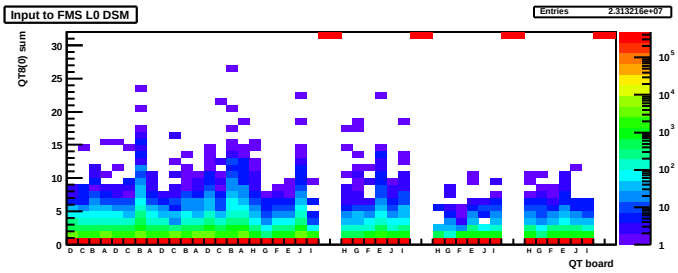

VPD-TAC-DIFF = 4096 + VPD-TAC-E - VPD-TAC-W
Entries421202
Mean 3982
RMS 80.12

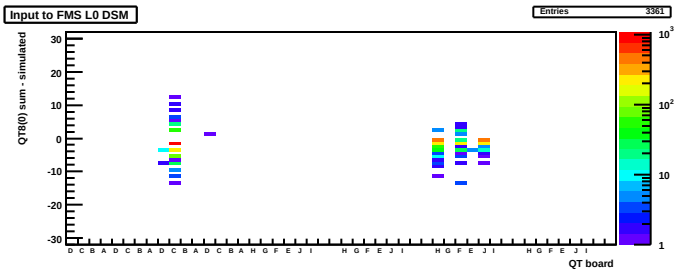

Input to QT1 crate
Entries 5610044
ADC
channel

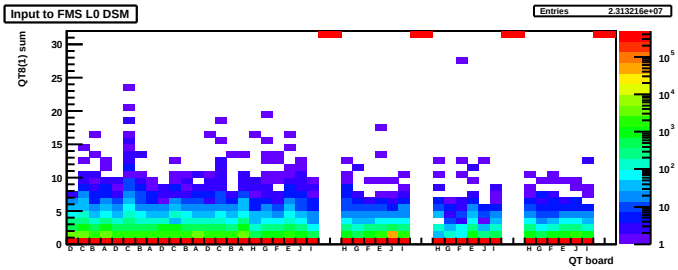

Input to QT2 crate
Entries3458178
ADC
channel

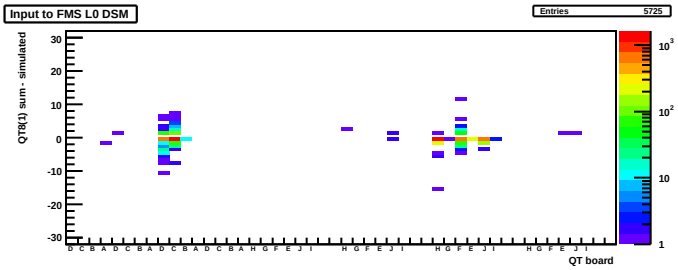

Input to QT3 crate
Entries3010835
ADC
channel

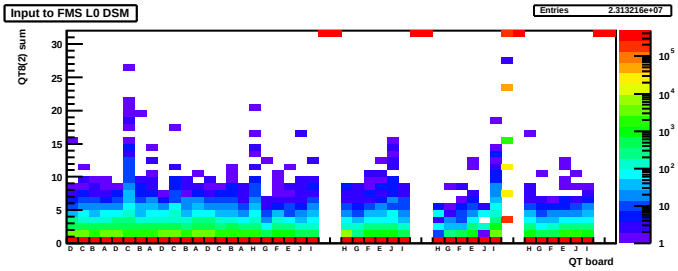

Input to QT4 crate
Entries3953966
ADC
channel

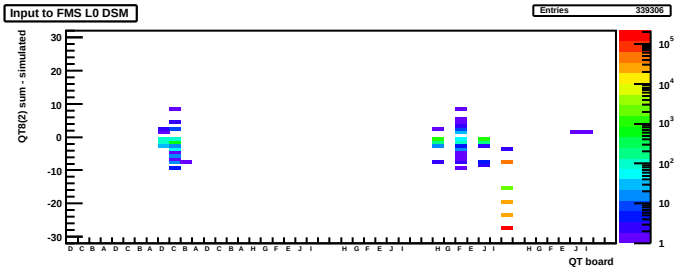

Input to FMS L0 DSM
Entries 2.313216e+07
QT8(0) sum
QT board

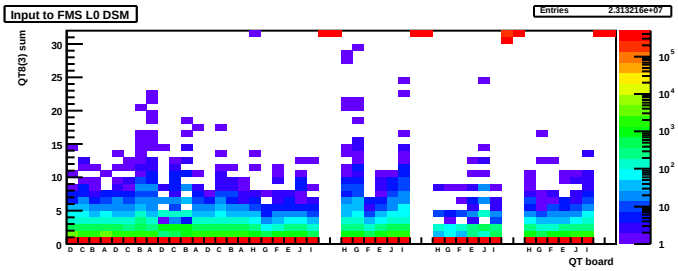

Input to FMS L0 DSM
Entries 3361
QT8(0) sum - simulated
QT board

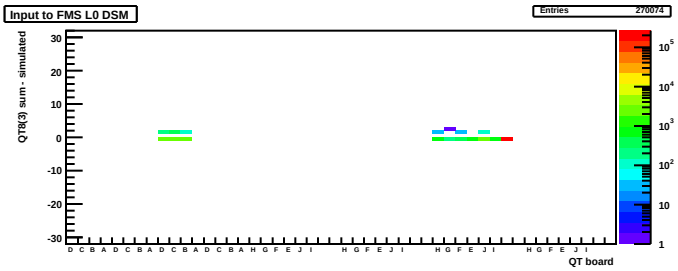

Input to FMS L0 DSM
Entries 2.313216e+07
QT8(1) sum
QT board

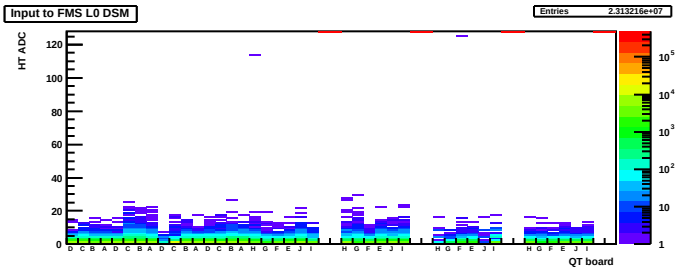

Input to FMS L0 DSM
Entries 5725
QT8(1) sum - simulated
QT board

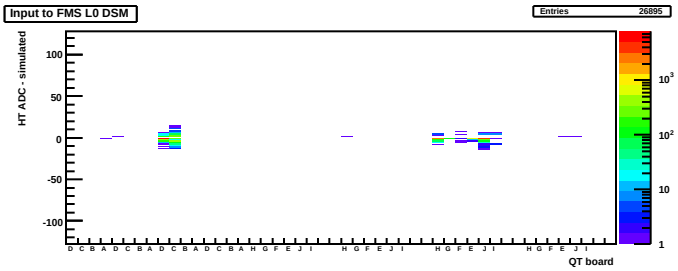

Input to FMS L0 DSM
Entries 2.313216e+07
QT8(2) sum
QT board

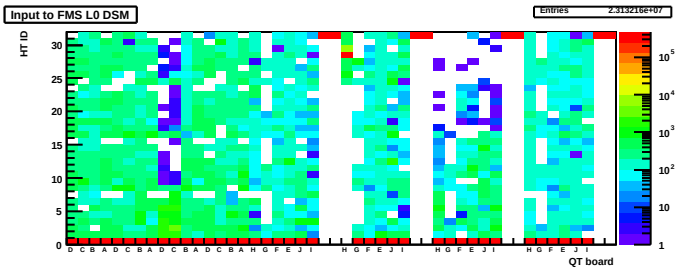

Input to FMS L0 DSM
Entries 339306
QT8(2) sum - simulated
QT board

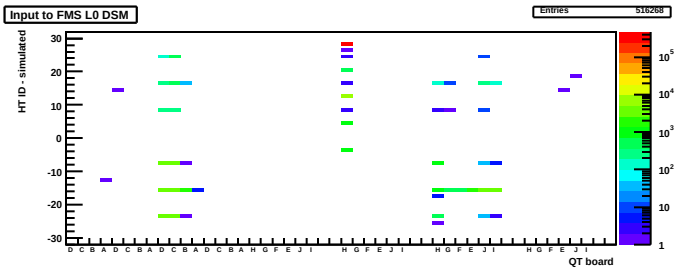

Input to FMS L0 DSM
Entries 2.313216e+07
QT8(3) sum
QT board

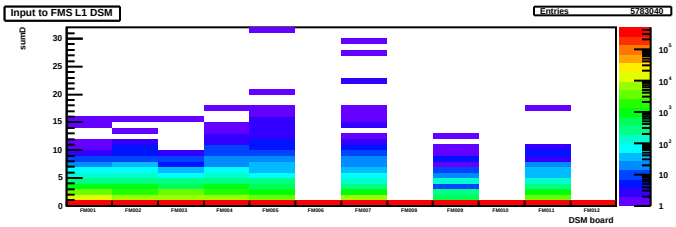

Input to FMS L0 DSM
Entries 270074
QT8(3) sum - simulated
QT board

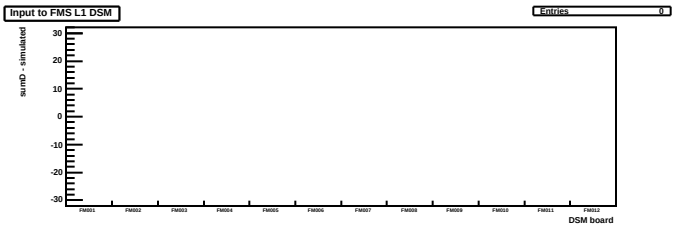

Input to FMS L0 DSM
Entries 2.313216e+07
HT ADC
QT board

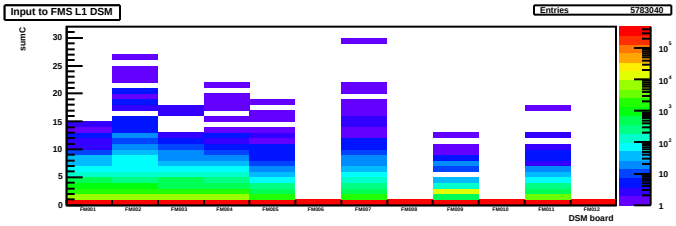

Input to FMS L0 DSM
Entries 26895
HT ADC - simulated
QT board

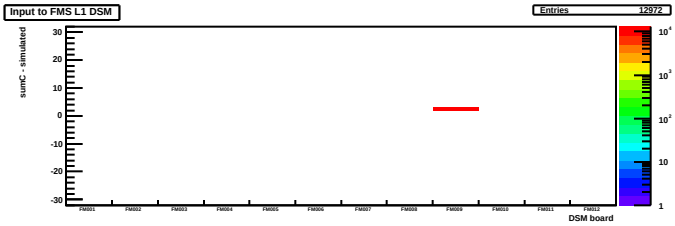

Input to FMS L0 DSM
Entries 2.313216e+07
HT ID
QT board

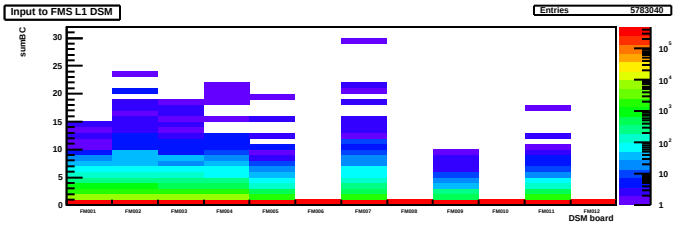

Input to FMS L0 DSM
Entries 516268
HT ID - simulated
QT board

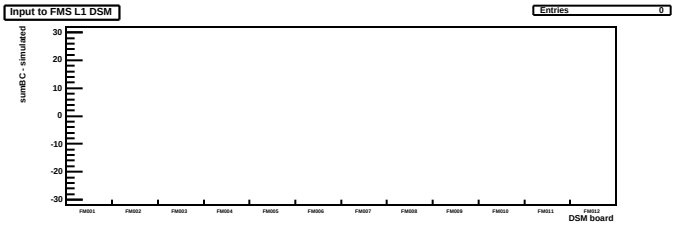

Input to FMS L1 DSM
Entries 5783040
sumD
DSM board

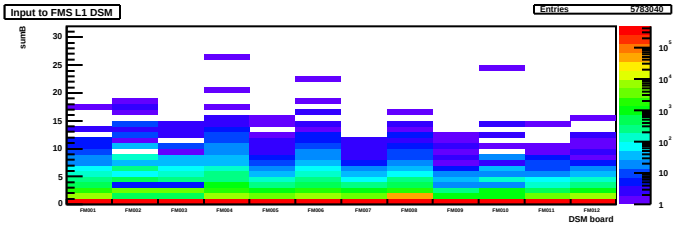

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

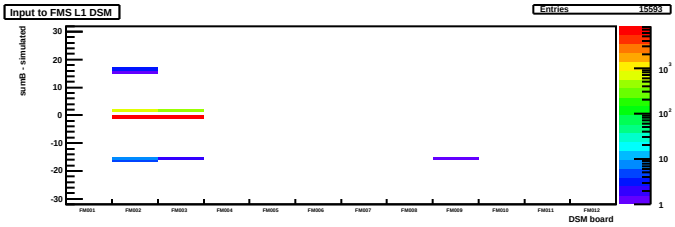

Input to FMS L1 DSM
Entries 5783040
sumC
DSM board

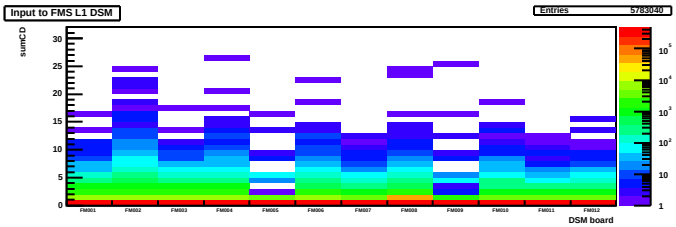

Input to FMS L1 DSM
Entries 12972
sumC - simulated
DSM board

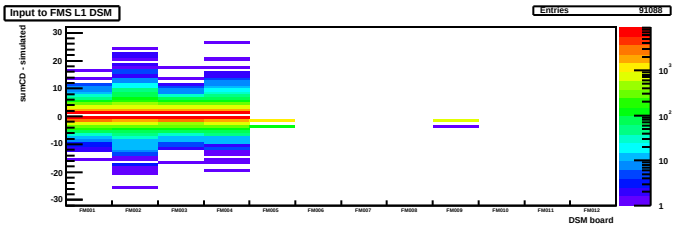

Input to FMS L1 DSM
Entries 5783040
sumBC
DSM board

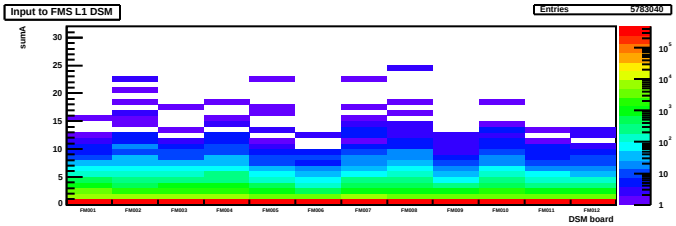

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

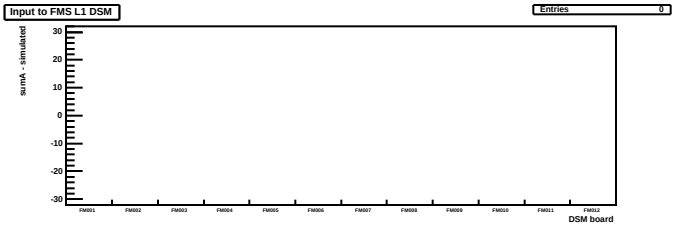

Input to FMS L1 DSM
Entries 5783040
sumB
DSM board

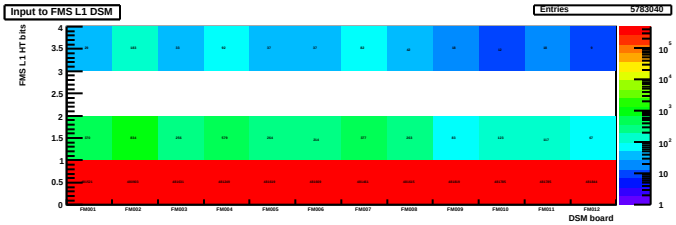

Input to FMS L1 DSM
Entries 15593
sumB - simulated
DSM board

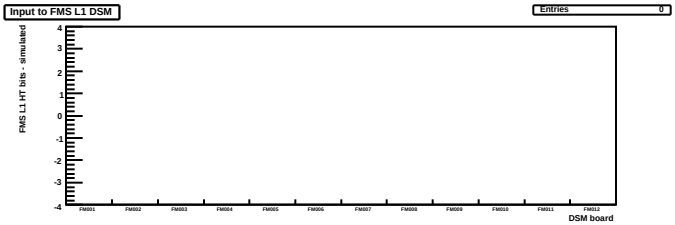

Input to FMS L1 DSM
Entries 5783040
sumCD
DSM board

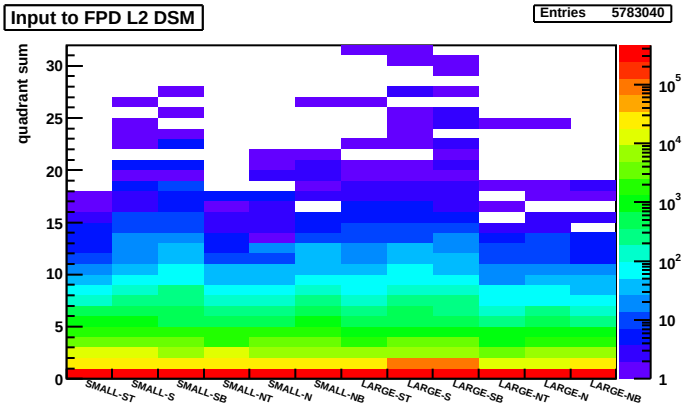

Input to FMS L1 DSM
Entries 91088
sumCD - simulated
DSM board

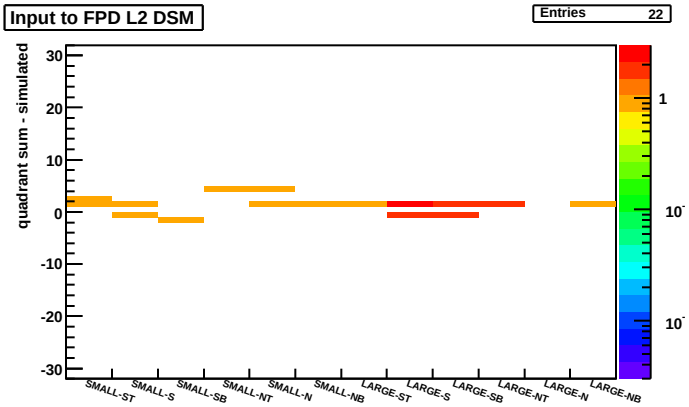

Input to FMS L1 DSM
Entries 5783040
sumA
DSM board

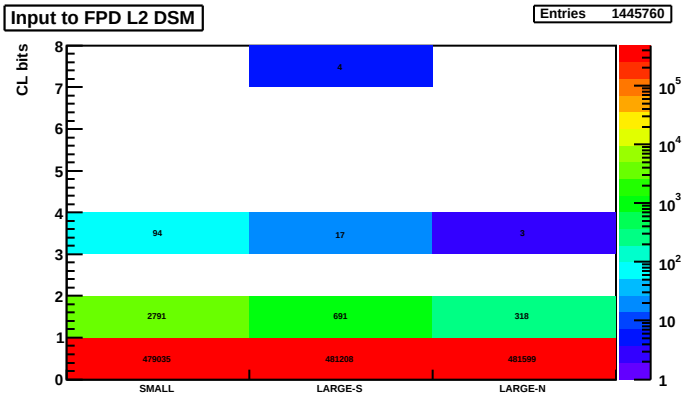

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

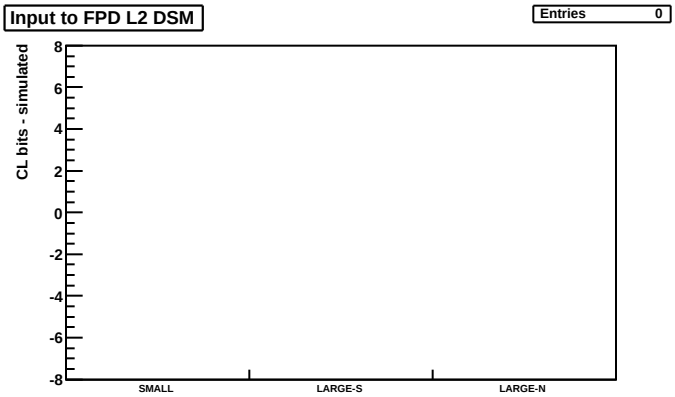

Input to FMS L1 DSM
Entries 5783040
FMS L1 HT bits
DSM board

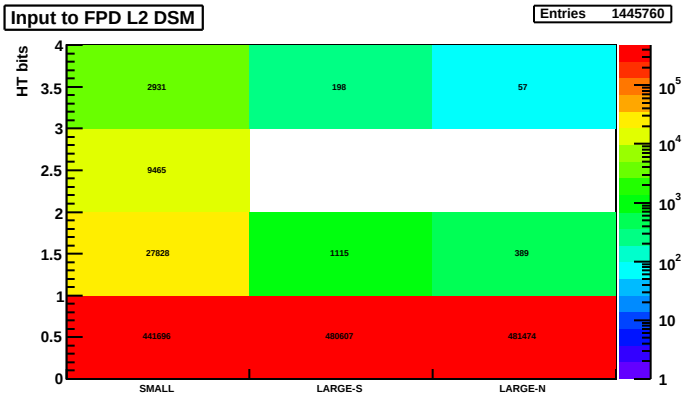

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

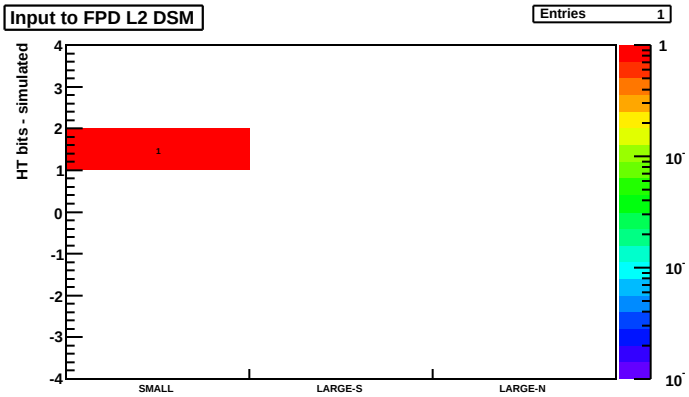

Input to FPD L2 DSM
Entries 5783040
quadrant sum
SMALL-ST
SMALL-S
SMALL-SB
SMALL-NT
SMALL-N
SMALL-NB
LARGE-ST
LARGE-S
LARGE-SB
LARGE-NT
LARGE-N
LARGE-NB

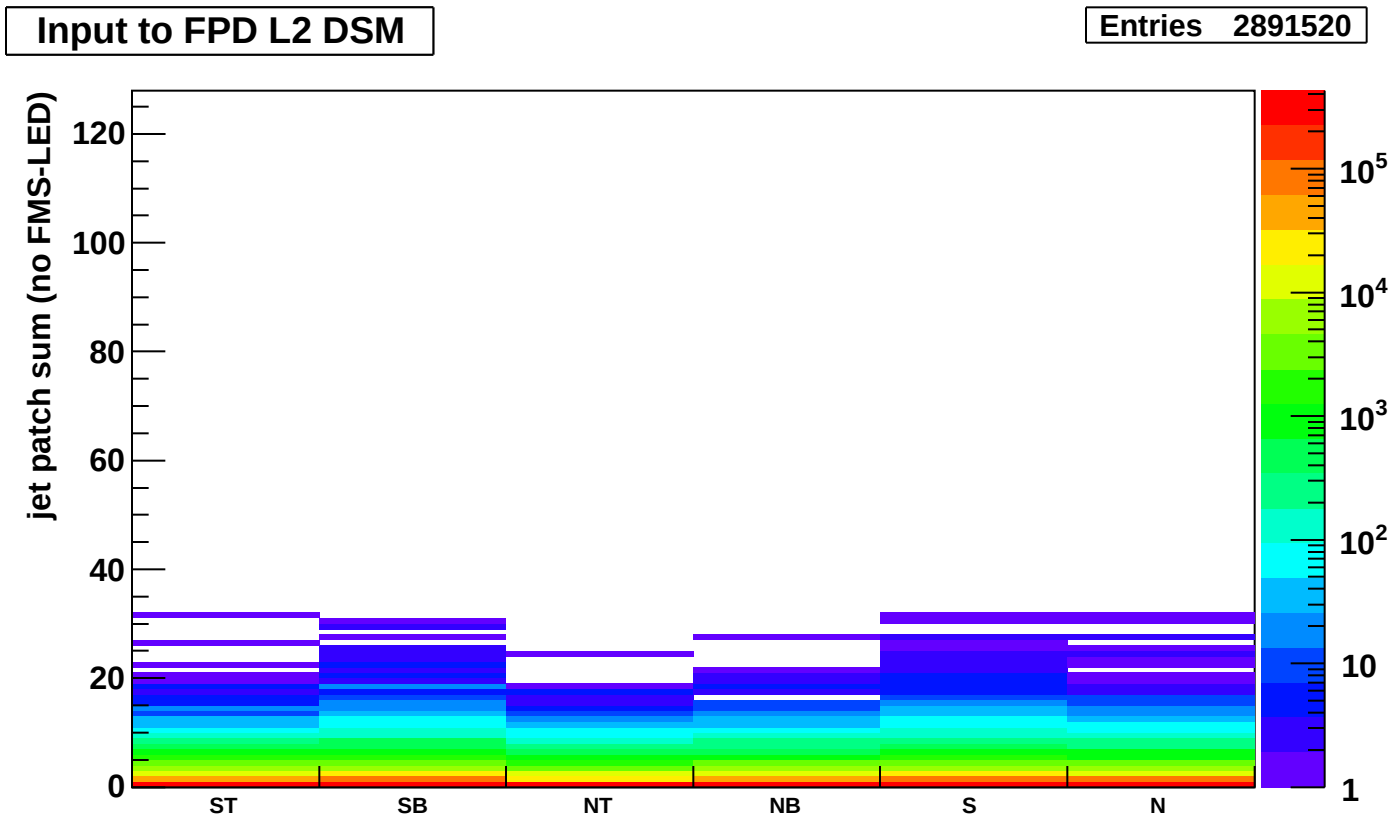

Input to FPD L2 DSM
Entries 22
quadrant sum - simulated
SMALL-ST
SMALL-S
SMALL-SB
SMALL-NT
SMALL-N
SMALL-NB
LARGE-ST
LARGE-S
LARGE-SB
LARGE-NT
LARGE-N
LARGE-NB

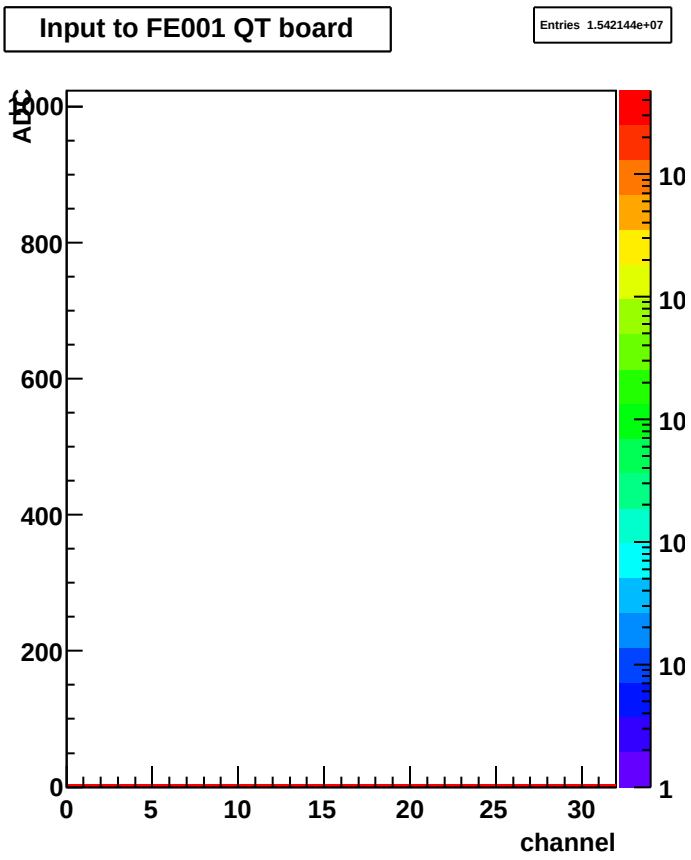

Input to FPD L2 DSM
Entries 1445760
CL bits
4
94
17
3
2791
691
318
479035
481208
481599
SMALL
LARGE-S
LARGE-N

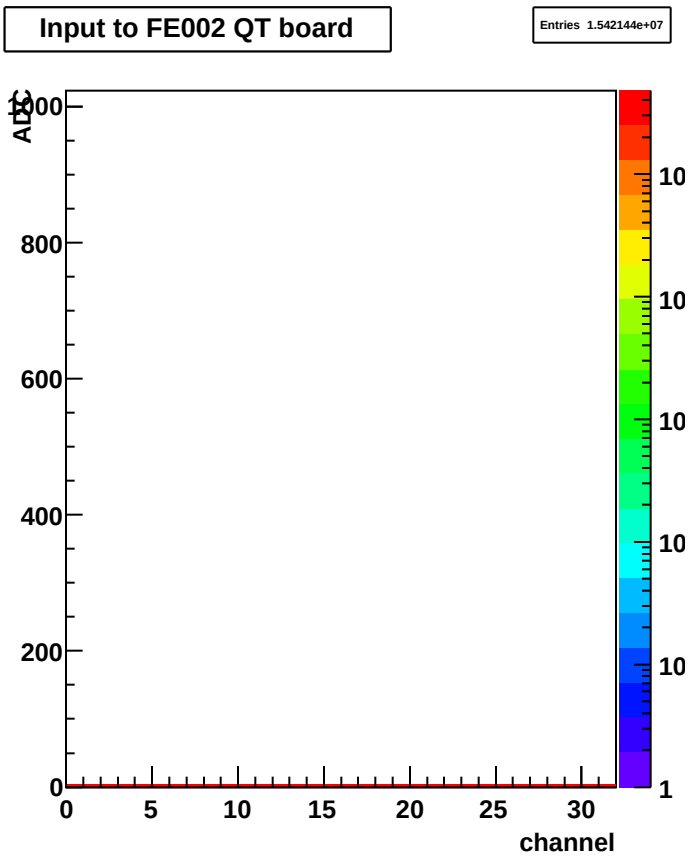

Input to FPD L2 DSM
Entries 0
CL bits - simulated
SMALL
LARGE-S
LARGE-N

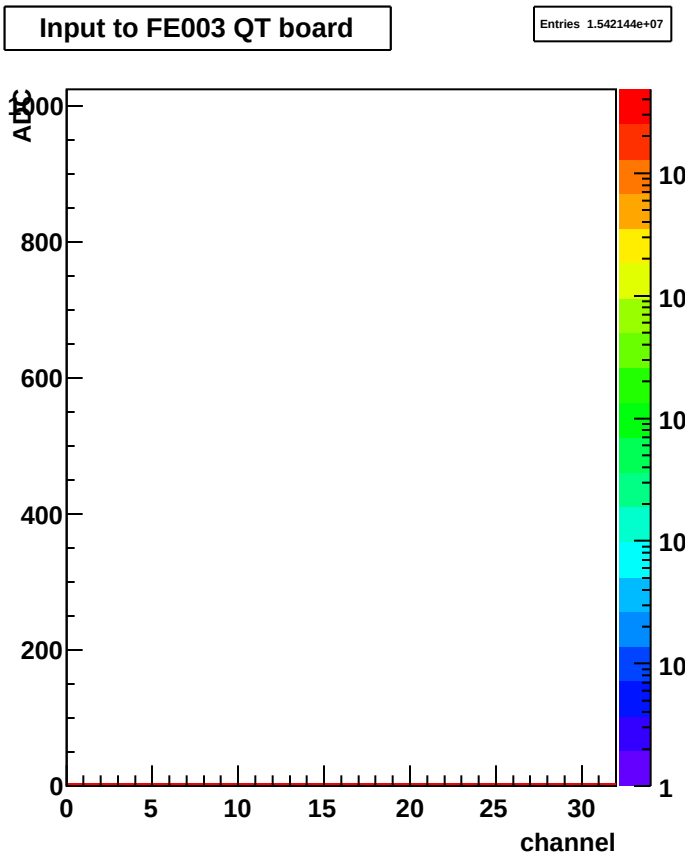

Input to FPD L2 DSM
Entries 1445760
HT bits
2931
198
57
9465
27828
1115
389
441696
480607
481474
SMALL
LARGE-S
LARGE-N

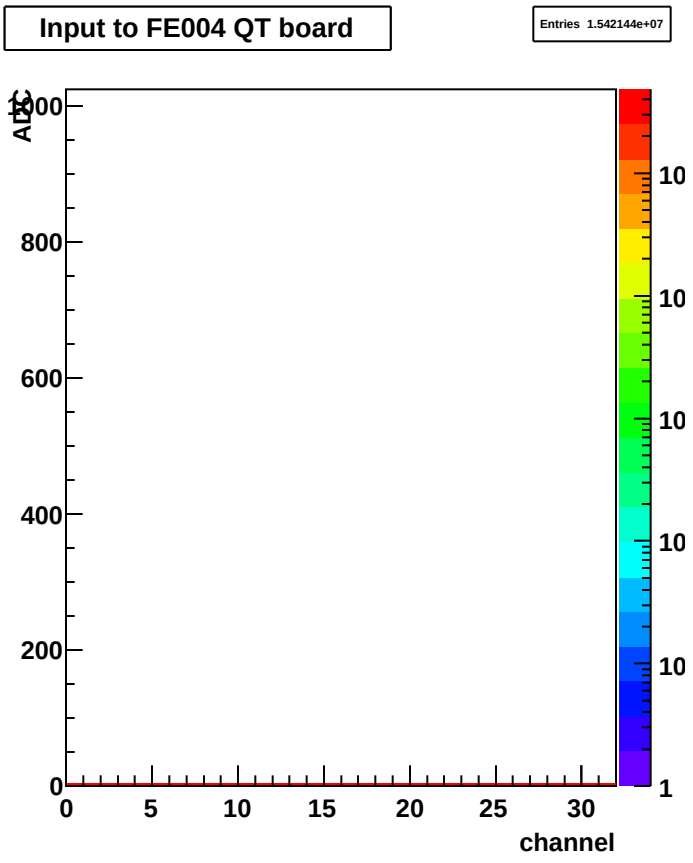

Input to FPD L2 DSM
Entries 1
HT bits - simulated
1
SMALL
LARGE-S
LARGE-N

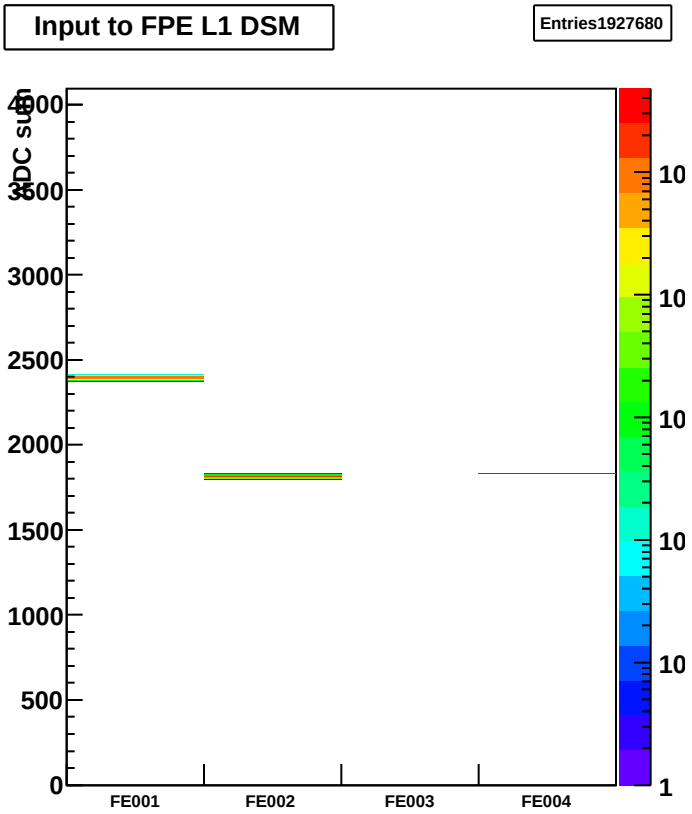

Input to FPD L2 DSM
Entries 2891520
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
S
N
1
10
10^2
10^3
10^4
10^5

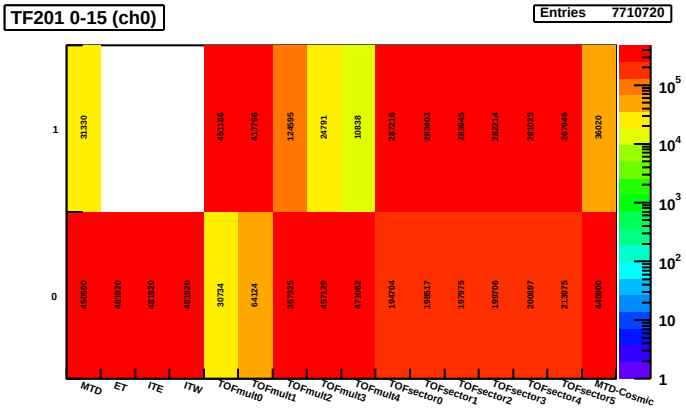

Input to FE001 QT board
Entries 1.542144e+07
ADC
channel

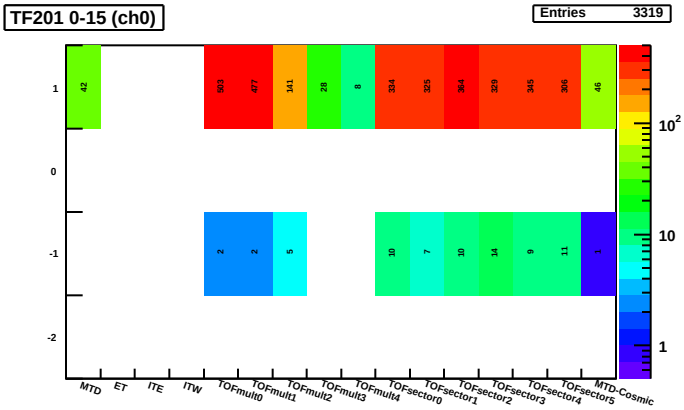

Input to FE002 QT board
Entries 1.542144e+07
ADC
channel

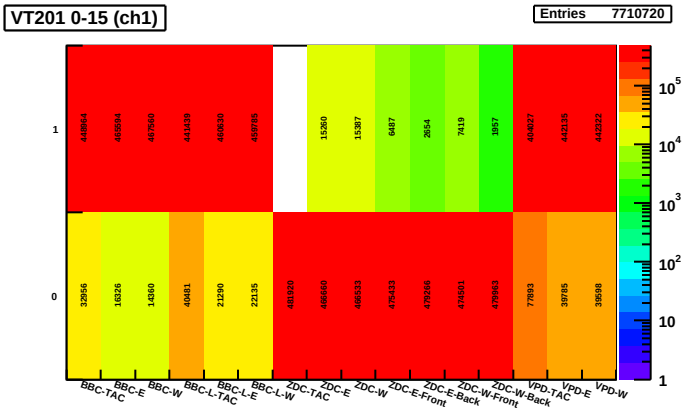

Input to FE003 QT board
Entries 1.542144e+07
ADC
channel

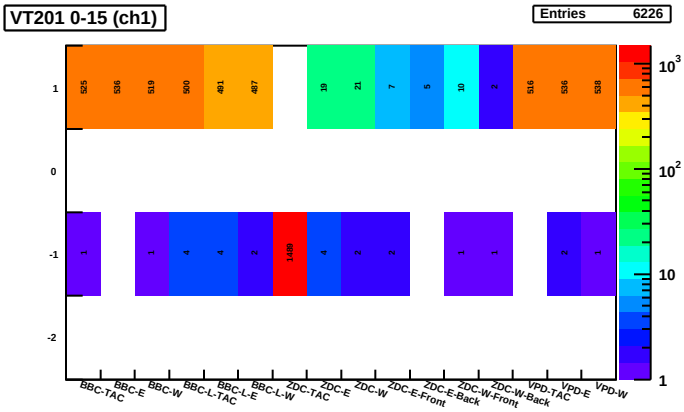

Input to FE004 QT board
Entries 1.542144e+07
ADC
channel


Input to FPE L1 DSM
Entries1927680
ADC sum
4000
3500
3000
2500
2000
1500
1000
500
0
FE001
FE002
FE003
FE004
10
10
10
10
10
1


TF201 0-15 (ch0)
Entries 7710720
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic


TF201 0-15 (ch0)
Entries 3319
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic


VT201 0-15 (ch1)
Entries 7710720
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 6226
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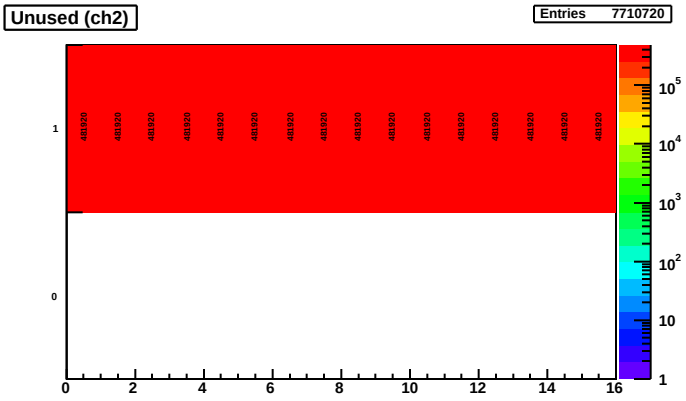
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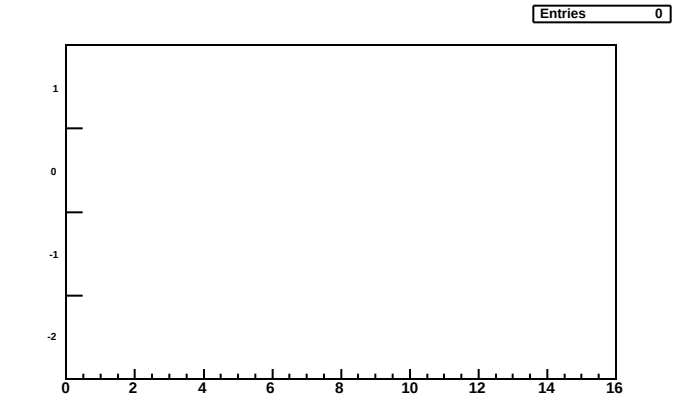
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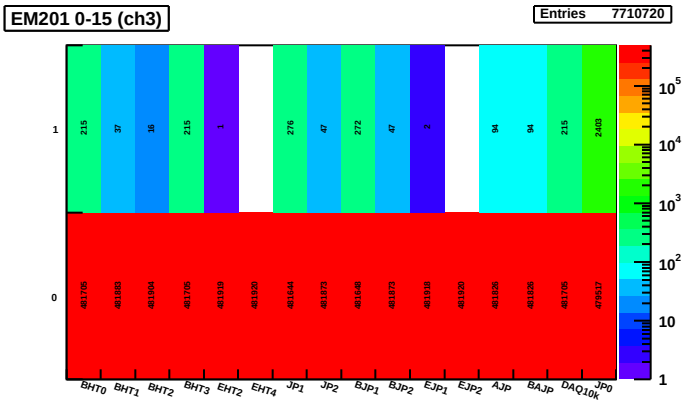
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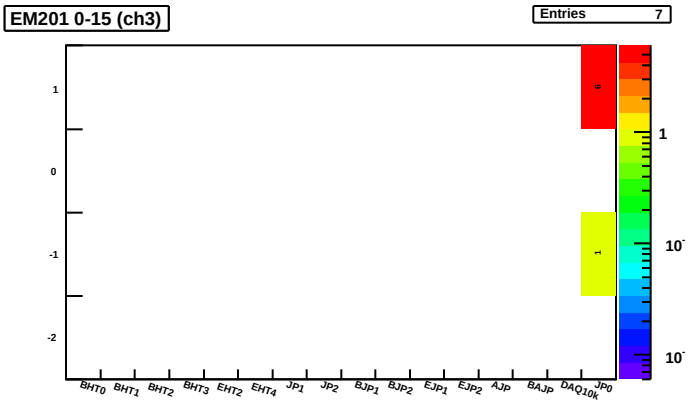
EM201 0-15 (ch3)
Entries 7
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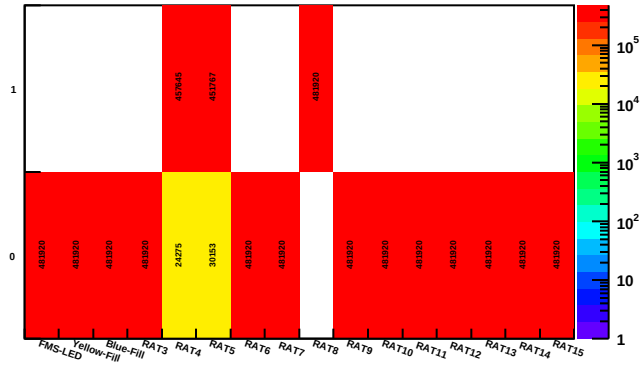
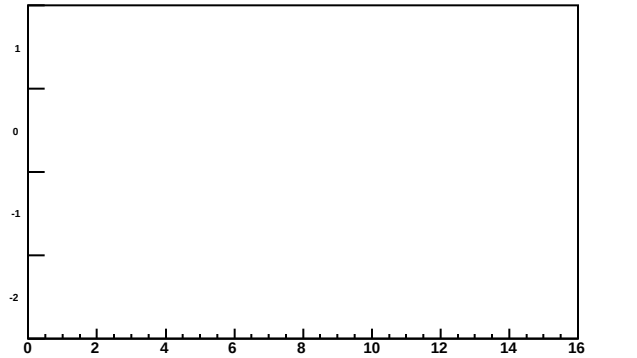
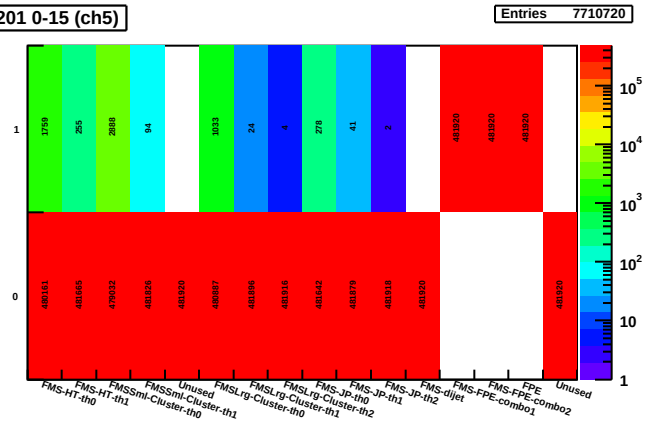
RAT board (ch4)





FP201 0-15 (ch5)



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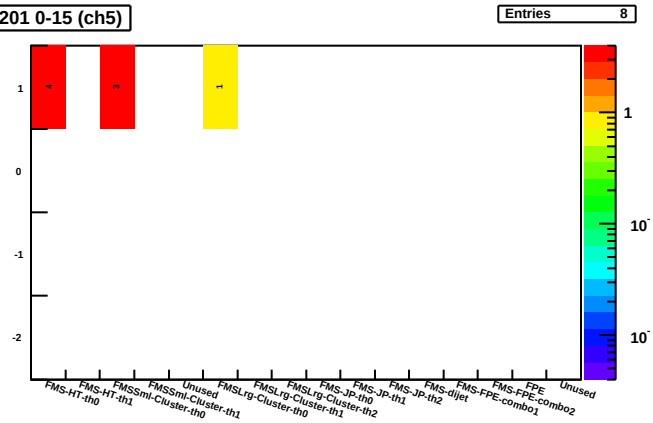
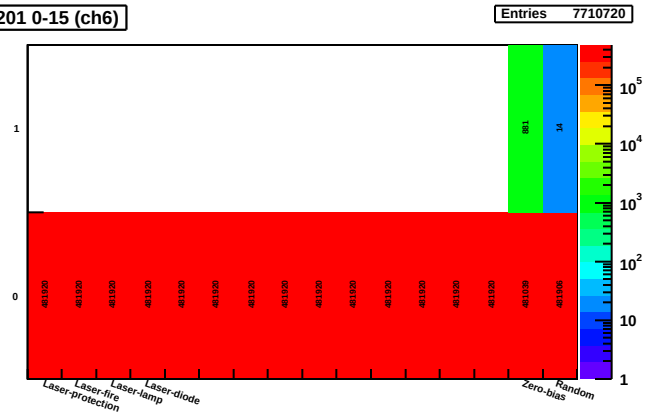
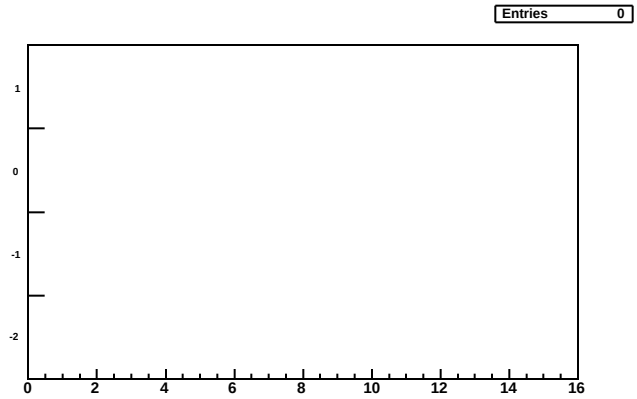
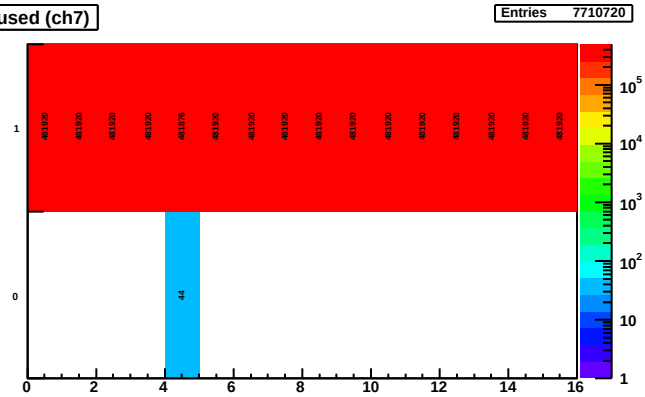
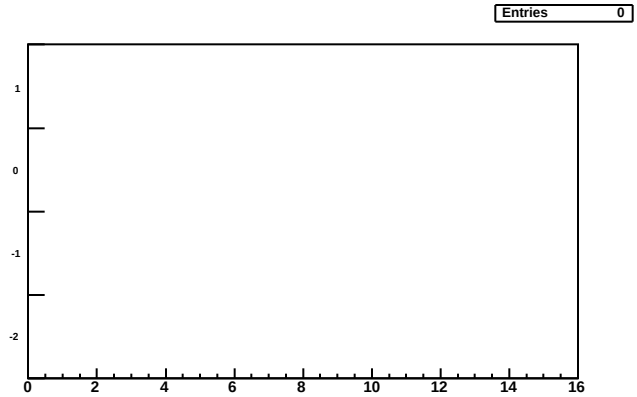


ST201 0-15 (ch6)





Unused (ch7)