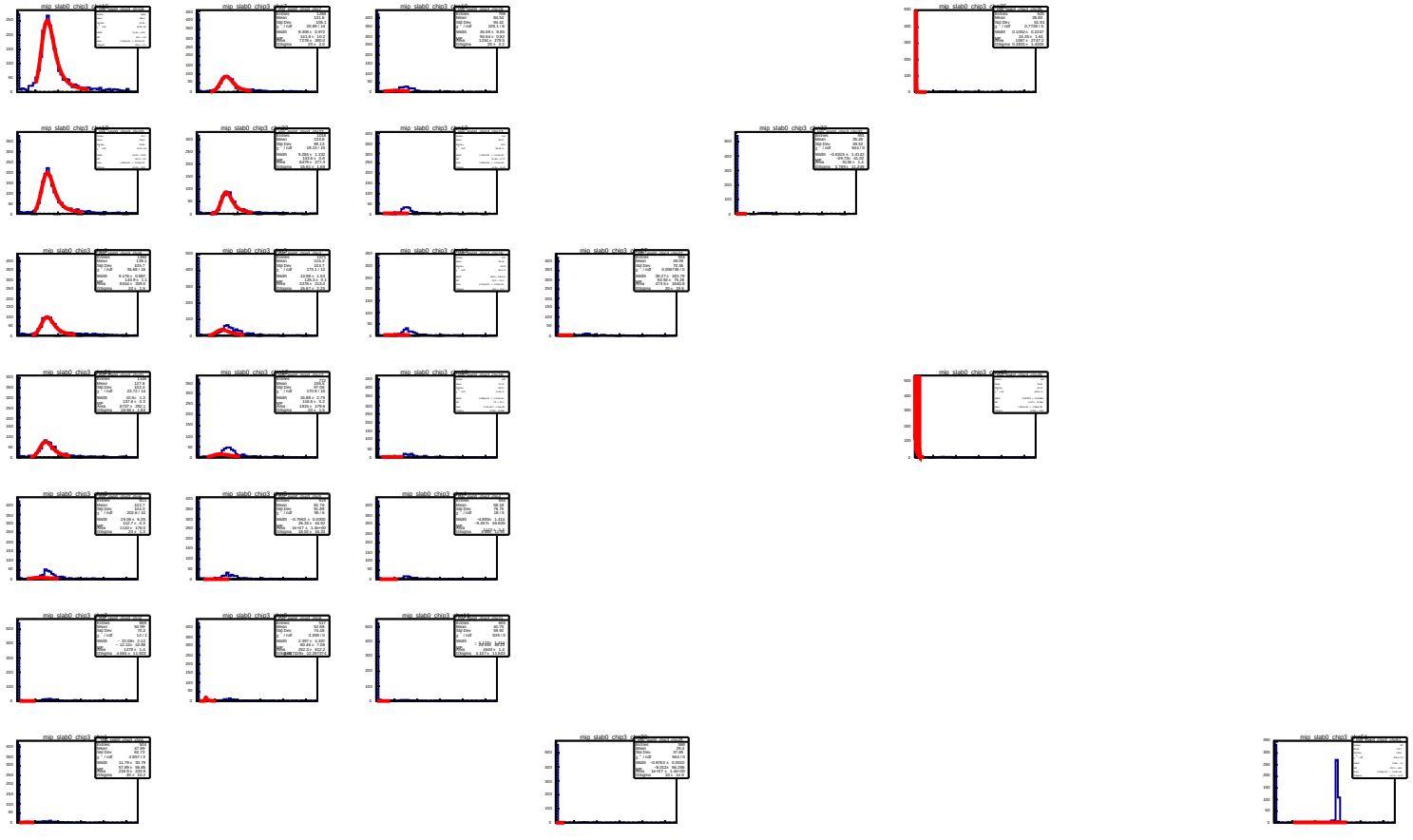
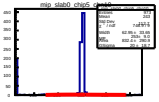
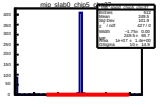
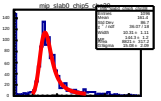
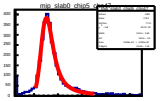
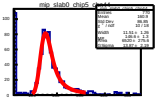


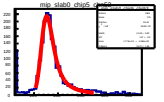

mip_slab0_chip5_ch30
Entries 1214
Mean 1214
Std Dev 7.4
χ² / ndf 7.4 / 5
Width 62.86 ± 33.66
Mean 1214 ± 0.2
MPV 832.23 ± 28.0
Sigma 29.3 ± 0.4

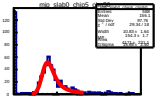

mip_slab0_chip5_ch30
Entries 1214
Mean 1214
Std Dev 277.6
χ² / ndf 277.6
Width -1.79 ± 0.03
Mean 1216.6 ± 66.7
MPV 64.07 ± 0.03
Sigma 27.1 ± 11.8

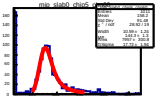

mip_slab0_chip5_ch30
Entries 1214
Mean 1214
Std Dev 86.7
χ² / ndf 26.07 / 18
Width 33.16 ± 1.12
Mean 1214 ± 0.2
MPV 832.0 ± 0.7
Sigma 24.44 ± 0.3

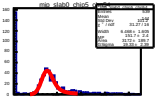

mip_slab0_chip5_ch30
Entries 1214
Mean 1214
Std Dev 5.7
χ² / ndf 5.7 / 5
Width 1.00 ± 0.01
Mean 1214 ± 0.0
MPV 1214.0 ± 0.0
Sigma 0.0 ± 0.0

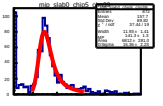

mip_slab0_chip5_ch30
Entries 1214
Mean 1216.6
Std Dev 37.1
χ² / ndf 37.1 / 18
Width 11.52 ± 1.29
Mean 1216.6 ± 0.6
MPV 1215.0 ± 2.5
Sigma 11.67 ± 0.6

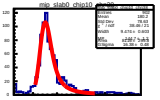

mip_slab0_chip5_ch30
Entries 1214
Mean 1214
Std Dev 0.0
χ² / ndf 0.0 / 0
Width 0.00 ± 0.00
Mean 0.0 ± 0.0
MPV 0.0 ± 0.0
Sigma 0.0 ± 0.0

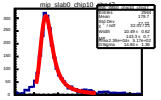

mip_slab0_chip5_ch30
Entries 1214
Mean 1216.1
Std Dev 29.7
χ² / ndf 29.32 / 18
Width 10.65 ± 1.62
Mean 1216.1 ± 0.7
MPV 1215.0 ± 2.6
Sigma 10.74 ± 0.6

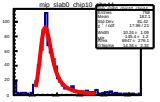

mip_slab0_chip5_ch30
Entries 1214
Mean 1216.7
Std Dev 19.3
χ² / ndf 19.32 / 18
Width 10.59 ± 1.21
Mean 1216.7 ± 0.5
MPV 1215.0 ± 2.0
Sigma 10.74 ± 0.5

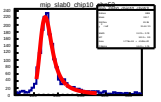

mip_slab0_chip5_ch30
Entries 1214
Mean 1216
Std Dev 21.9
χ² / ndf 21.9 / 18
Width 6.498 ± 2.329
Mean 151.7 ± 2.2
MPV 151.7 ± 1.6
Sigma 15.71 ± 1.6

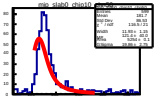

mip_slab0_chip5_ch30
Entries 1214
Mean 1216.7
Std Dev 19.3
χ² / ndf 19.32 / 18
Width 11.52 ± 1.41
Mean 1216.7 ± 0.5
MPV 1215.0 ± 2.0
Sigma 10.74 ± 0.5

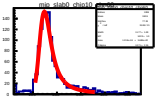

mip slab0 chip10 strip32
Entries 7104
Mean 160.2
Std Dev 78.65
χ² / ndf 38.30 / 21
Width 9.670 ± 0.602
MPV 147.8 ± 0.4
Integral 34.94 ± 2.18

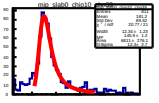

mip slab0 chip10 strip33
Entries 7104
Mean 157.1
Std Dev 77.15
χ² / ndf 22.27 / 21
Width 10.89 ± 0.42
MPV 147.8 ± 0.3
Integral 34.94 ± 1.54

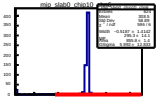

mip slab0 chip10 strip34
Entries 7104
Mean 162.1
Std Dev 79.17
χ² / ndf 17.80 / 21
Width 10.14 ± 1.09
MPV 147.8 ± 0.4
Integral 34.94 ± 2.15

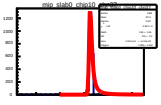

mip slab0 chip10 strip35
Entries 7104
Mean 161.7
Std Dev 79.15
χ² / ndf 13.52 / 21
Width 11.90 ± 1.20
MPV 147.8 ± 0.4
Integral 34.94 ± 2.36

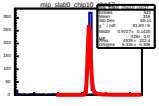

mip slab0 chip10 strip36
Entries 7104
Mean 161.7
Std Dev 79.15
χ² / ndf 13.52 / 21
Width 11.90 ± 1.20
MPV 147.8 ± 0.4
Integral 34.94 ± 2.36

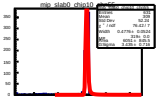

mip slab0 chip10 strip37
Entries 7104
Mean 161.7
Std Dev 79.15
χ² / ndf 13.52 / 21
Width 11.90 ± 1.20
MPV 147.8 ± 0.4
Integral 34.94 ± 2.36

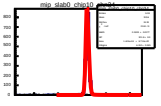

mip slab0 chip10 strip38
Entries 7104
Mean 161.7
Std Dev 79.15
χ² / ndf 13.52 / 21
Width 12.26 ± 1.23
MPV 147.8 ± 0.4
Integral 34.94 ± 2.36

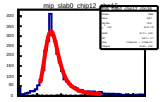

mip slab0 chip10 strip39
Entries 7104
Mean 399.1
Std Dev 33.16
χ² / ndf 399.7 / 6
Width −0.5187 ± 0.0187
MPV 399.3 ± 1.1
Integral 3.489 ± 0.154

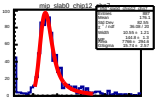

mip slab0 chip10 strip40
Entries 7104
Mean 1.000
Std Dev 0.0
χ² / ndf 0.0 / 0
Width 0.0
MPV 1.000 ± 0.000
Integral 7.104 ± 0.000

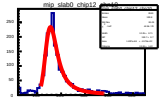

mip slab0 chip10 strip41
Entries 7104
Mean 0.0
Std Dev 60.41
χ² / ndf 91.42 / 0
Width 0.5771 ± 0.1420
MPV 0.0 ± 0.0
Integral 7.104 ± 0.000

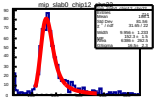

mip slab0 chip10 strip42
Entries 7104
Mean 0.0
Std Dev 32.22
χ² / ndf 79.52 / 0
Width 0.4779 ± 0.0919
MPV 0.0 ± 0.0
Integral 7.104 ± 0.000

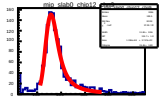

mip slab0 chip10 strip43
Entries 7104
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0 / 0
Width 0.0
MPV 0.000 ± 0.000
Integral 7.104 ± 0.000

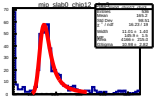

mip slab0 chip12 chan15
Entries 1000
Mean 14.7
Std Dev 2.7
χ2 / ndf 1.4e+0
Width 1.0e-1 ± 1.1e-1
Mean 1.4e+1 ± 1.4e-1
Sigma 2.7e-1 ± 2.4e-1

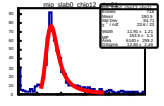

mip slab0 chip12 chan16
Entries 1000
Mean 15.4
Std Dev 2.6
χ2 / ndf 28.0E+19
Width 1.0E-1 ± 1.1E-1
Mean 1.5E+1 ± 1.4E-1
Sigma 2.6E-1 ± 2.4E-1


mip slab0 chip12 chan17
Entries 1000
Mean 14.4
Std Dev 2.7
χ2 / ndf 1.4e+0
Width 1.0e-1 ± 1.1e-1
Mean 1.4e+1 ± 1.4e-1
Sigma 2.7e-1 ± 2.4e-1


mip slab0 chip12 chan18
Entries 1000
Mean 16.5
Std Dev 2.7
χ2 / ndf 31.0E+19
Width 9.9e-1 ± 1.2E-1
Mean 1.6E+1 ± 1.4E-1
Sigma 6.0E-1 ± 3.4E-1

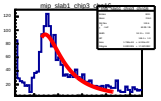

mip slab0 chip12 chan19
Entries 1000
Mean 18.4
Std Dev 2.8
χ2 / ndf 1.4e+0
Width 1.1e-1 ± 1.2e-1
Mean 1.8e+1 ± 1.4e-1
Sigma 2.8e-1 ± 2.5e-1

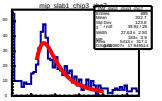

mip slab0 chip12 chan20
Entries 1000
Mean 19.2
Std Dev 2.7
χ2 / ndf 31.0E+19
Width 1.1E-1 ± 1.2E-1
Mean 1.9E+1 ± 1.4E-1
Sigma 2.7E-1 ± 2.5E-1

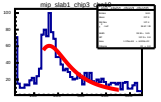

mip slab0 chip12 chan21
Entries 1000
Mean 19.8
Std Dev 2.8
χ2 / ndf 1.4e+0
Width 1.1e-1 ± 1.2e-1
Mean 1.9e+1 ± 1.4e-1
Sigma 2.8e-1 ± 2.5e-1

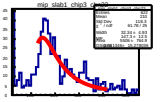
mip slab0 chip12 chan22
Entries 1000
Mean 20.7
Std Dev 2.7
χ2 / ndf 31.0E+19
Width 1.1E-1 ± 1.2E-1
Mean 2.0E+1 ± 1.4E-1
Sigma 2.7E-1 ± 2.5E-1

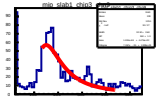
mip slab0 chip12 chan23
Entries 1000
Mean 10.6
Std Dev 2.6
χ2 / ndf 1.4e+0
Width 1.1e-1 ± 1.2e-1
Mean 1.1e+1 ± 1.4e-1
Sigma 2.6e-1 ± 2.4e-1

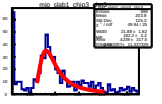

mip slab1 chip3 ch45

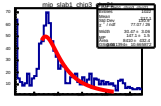

mip slab1 chip3 ch46

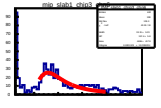

mip slab1 chip3 ch47

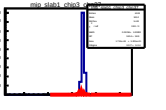

mip slab1 chip3 ch48

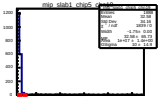

mip slab1 chip3 ch49

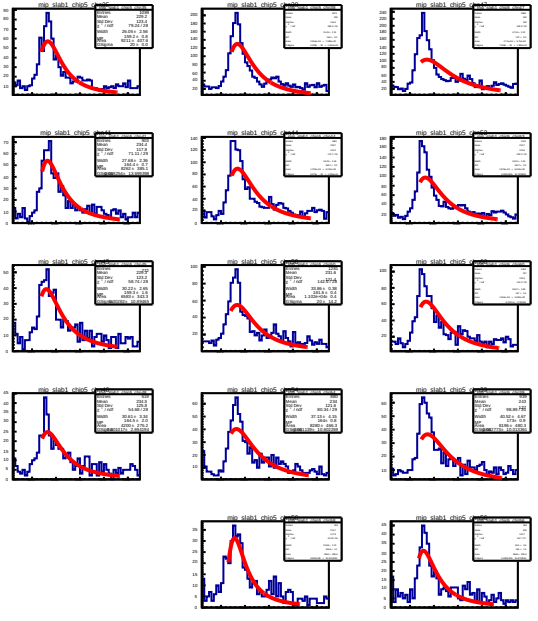

mip slab1 chip3 ch50

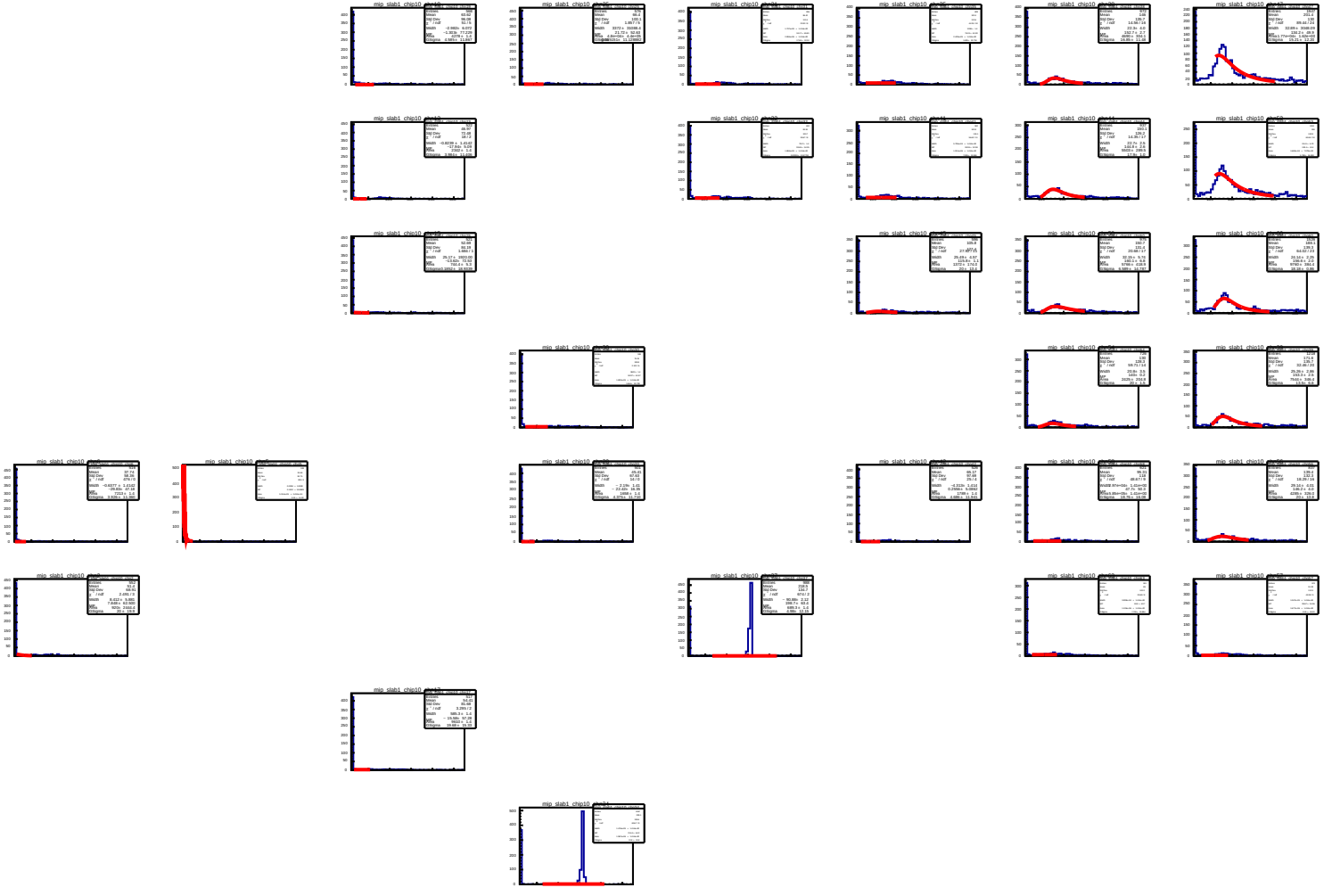

mip slab1 chip3 ch51

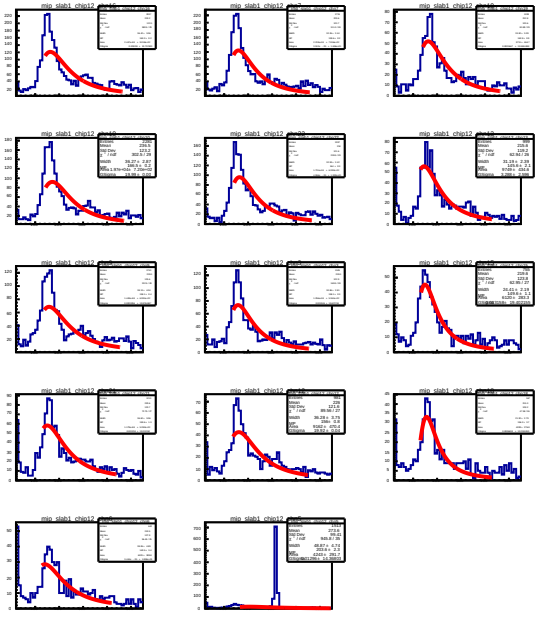

mip slab1 chip3 ch52


mip slab1 chip3 ch53


mip slab1 chip5 ch40
Entries 2108
Mean 34.58
Std Dev 36.16
χ² / ndf 1029 / 13
Prob 0.000
Width 5.00 ± 0.00
MPV 14.027 ± 0.000
Integral 24.1 ± 1.4


mip slab1 chip5 ch41
Entries 2108
Mean 231.8
Std Dev 121.4
χ² / ndf 79.2 / 19
Width 26.09 ± 2.16
MPV 63.0 ± 0.8
Integral 30.1 ± 1.1
mip slab1 chip5 ch42
Entries 2108
Mean 231.8
Std Dev 121.4
χ² / ndf 71.1 / 17
Width 27.68 ± 2.35
MPV 62.0 ± 0.8
Integral 14.9 ± 0.6
mip slab1 chip5 ch43
Entries 2108
Mean 231.8
Std Dev 121.4
χ² / ndf 54.7 / 17
Width 30.22 ± 2.65
MPV 58.9 ± 0.7
Integral 14.9 ± 0.6
mip slab1 chip5 ch44
Entries 2108
Mean 231.8
Std Dev 121.4
χ² / ndf 1.62 / 13
Width 35.86 ± 3.38
MPV 181.6 ± 0.4
Integral 1.3 ± 0.0
mip slab1 chip5 ch45
Entries 2108
Mean 231.8
Std Dev 121.4
χ² / ndf 1.17 / 13
Width 35.86 ± 3.38
MPV 181.6 ± 0.4
Integral 1.3 ± 0.0
mip slab1 chip5 ch46
Entries 2108
Mean 231.8
Std Dev 121.4
χ² / ndf 1.17 / 13
Width 35.86 ± 3.38
MPV 181.6 ± 0.4
Integral 1.3 ± 0.0
mip slab1 chip5 ch47
Entries 2108
Mean 231.8
Std Dev 121.4
χ² / ndf 1.17 / 13
Width 35.86 ± 3.38
MPV 181.6 ± 0.4
Integral 1.3 ± 0.0
mip slab1 chip5 ch48
Entries 2108
Mean 231.8
Std Dev 121.4
χ² / ndf 1.17 / 13
Width 35.86 ± 3.38
MPV 181.6 ± 0.4
Integral 1.3 ± 0.0
mip slab1 chip5 ch49
Entries 2108
Mean 231.8
Std Dev 121.4
χ² / ndf 1.17 / 13
Width 35.86 ± 3.38
MPV 181.6 ± 0.4
Integral 1.3 ± 0.0
mip slab1 chip5 ch50
Entries 2108
Mean 231.8
Std Dev 121.4
χ² / ndf 1.17 / 13
Width 35.86 ± 3.38
MPV 181.6 ± 0.4
Integral 1.3 ± 0.0
mip slab1 chip5 ch51
Entries 2108
Mean 231.8
Std Dev 121.4
χ² / ndf 1.17 / 13
Width 35.86 ± 3.38
MPV 181.6 ± 0.4
Integral 1.3 ± 0.0
mip slab1 chip5 ch52
Entries 2108
Mean 231.8
Std Dev 121.4
χ² / ndf 1.17 / 13
Width 35.86 ± 3.38
MPV 181.6 ± 0.4
Integral 1.3 ± 0.0
mip slab1 chip5 ch53
Entries 2108
Mean 231.8
Std Dev 121.4
χ² / ndf 1.17 / 13
Width 35.86 ± 3.38
MPV 181.6 ± 0.4
Integral 1.3 ± 0.0
mip slab1 chip5 ch54
Entries 2108
Mean 231.8
Std Dev 121.4
χ² / ndf 1.17 / 13
Width 35.86 ± 3.38
MPV 181.6 ± 0.4
Integral 1.3 ± 0.0
mip slab1 chip5 ch55
Entries 2108
Mean 231.8
Std Dev 121.4
χ² / ndf 1.17 / 13
Width 35.86 ± 3.38
MPV 181.6 ± 0.4
Integral 1.3 ± 0.0
mip slab1 chip5 ch56
Entries 2108
Mean 231.8
Std Dev 121.4
χ² / ndf 1.17 / 13
Width 35.86 ± 3.38
MPV 181.6 ± 0.4
Integral 1.3 ± 0.0
mip slab1 chip5 ch57
Entries 2108
Mean 231.8
Std Dev 121.4
χ² / ndf 1.17 / 13
Width 35.86 ± 3.38
MPV 181.6 ± 0.4
Integral 1.3 ± 0.0
mip slab1 chip5 ch58
Entries 2108
Mean 231.8
Std Dev 121.4
χ² / ndf 1.17 / 13
Width 35.86 ± 3.38
MPV 181.6 ± 0.4
Integral 1.3 ± 0.0
mip slab1 chip5 ch59
Entries 2108
Mean 231.8
Std Dev 121.4
χ² / ndf 1.17 / 13
Width 35.86 ± 3.38
MPV 181.6 ± 0.4
Integral 1.3 ± 0.0

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mip slab1 chip12
mip slab1 chip12
mip slab1 chip12
mip slab1 chip12
mip slab1 chip12
mip slab1 chip12
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mip slab1 chip12
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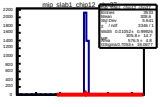
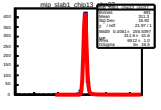
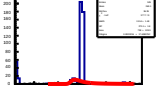
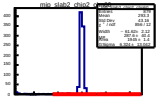
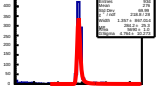
mip slab1 chip12

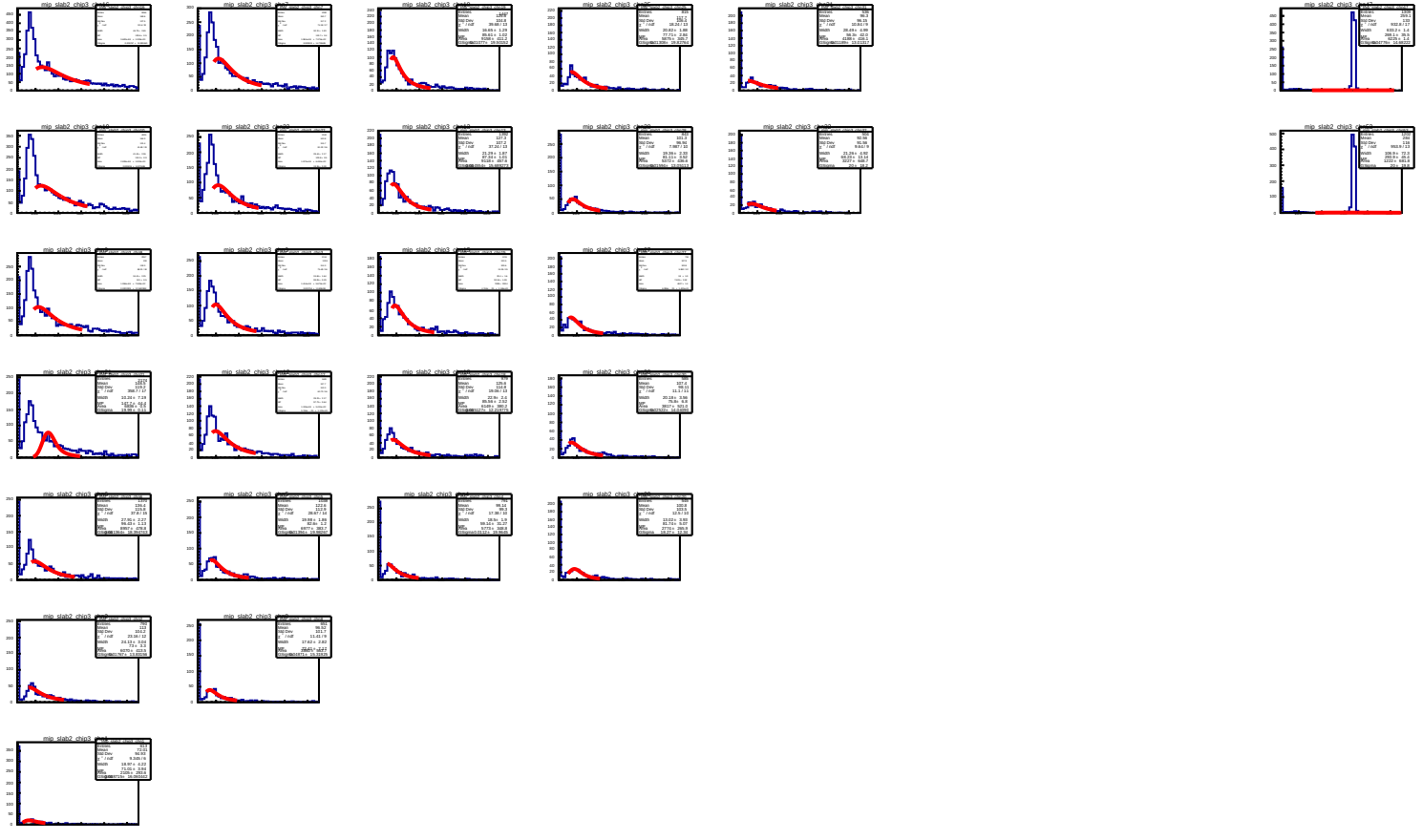

mip slab1 chip12

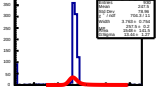

mip_slab1_chip13_strip2
Entries 1000
Mean 21.4
Std Dev 1.12
χ² / ndf 21.97 / 4
Prob 0.0561
Const 269.5±7
Mean 21.0±.0
Sigma .0±.0
400
350
300
250
200
150
100
50
0

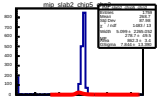

mip_slab2_chip0_chan3
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 1000
Mean x 0.0
RMS x 0.0
Underflow x 0
Overflow x 0
Integral x 1000
Mean y 0.0
RMS y 0.0
Underflow y 0
Overflow y 0
Integral y 1000
Constant 1000
Mean 0.0
Sigma 0.0
Constant 1000
Mean 0.0
Sigma 0.0
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0

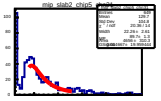

map slab2 chip2 cluster
Entries 2913
Mean 2.013
Std Dev 0.1
Underflow 0
Overflow 0
Integral 2913.0
Mean x 2.013
Std Dev x 0.1
Skewness 0.0000e+00
Kurtosis 0.0000e+00
Mean y 0.0
Std Dev y 0.0
Skewness 0.0000e+00
Kurtosis 0.0000e+00
Mean z 0.0
Std Dev z 0.0
Skewness 0.0000e+00
Kurtosis 0.0000e+00
Mean t 0.0
Std Dev t 0.0
Skewness 0.0000e+00
Kurtosis 0.0000e+00
400
350
300
250
200
150
100
50
0

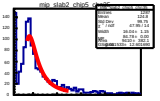

map slab2 chip2 cluster
Entries 2167
Mean 2.01
Std Dev 0.09
N_ndf 2167.0 / 19
Const 1.267e+ 387.0±1
Mean 2.000 ± 0.000
Sigma 0.0 ± 0.0
Chi2/ndf 4.764e+ 22.0±
400
350
300
250
200
150
100
50
0

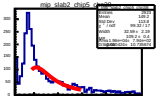


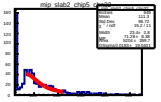

msp_stab2_crisp4_pwidth
Entries 2000
Mean 3.74
Std Dev 0.74
χ² / ndf 114.2 / 11
Width 3.74±0.0754
Mean 0.0187±0.0
Sigma 0.04±0.0
350
300
250
200
150
100
50
0

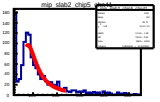

mip_slab2_chip5_chan1
Entries 1704
Mean 259.4
Std Dev 14.61
χ² / ndf 1.682 / 13
Width 5.095 ± 2.209-252
Mean 278.7 ± 18.6
MPV 274.9 ± 1.8
Integral 7.802 ± 11.500

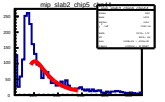

mip_slab2_chip5_chan2
Entries 1704
Mean 330.8
Std Dev 20.38 / 14
Width 22.26 ± 3.61
Mean 35.6 ± 1.1
MPV 30.8 ± 0.5
Integral 14.000 ± 0.000

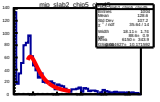

mip_slab2_chip5_chan3
Entries 1704
Mean 133.6
Std Dev 98.75
χ² / ndf 87.85 / 14
Width 16.04 ± 2.26
Mean 99.8 ± 1.1
MPV 93.0 ± 0.6
Integral 14.000 ± 0.000

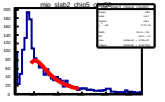

mip_slab2_chip5_chan4
Entries 1704
Mean 133.6
Std Dev 99.32 / 17
Width 32.98 ± 2.28
Mean 99.8 ± 1.1
MPV 93.0 ± 0.6
Integral 14.000 ± 0.000

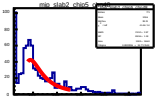

mip_slab2_chip5_chan5
Entries 704
Mean 111.3
Std Dev 19.71 / 14
Width 23.41 ± 2.8
Mean 35.6 ± 1.1
MPV 33.0 ± 0.6
Integral 14.000 ± 0.000

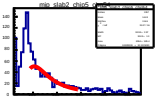

mip_slab2_chip5_chan6
Entries
Mean
Std Dev
χ² / ndf
Width
Mean
MPV
Integral

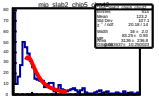

mip_slab2_chip5_chan7
Entries
Mean
Std Dev
χ² / ndf
Width
Mean
MPV
Integral

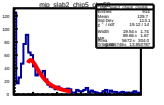

mip_slab2_chip5_chan8
Entries
Mean 130.8
Std Dev 20.82 / 14
Width 18.11 ± 2.72
Mean 35.6 ± 1.1
MPV 33.0 ± 0.6
Integral 14.000 ± 0.000

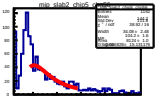

mip_slab2_chip5_chan9
Entries
Mean
Std Dev
χ² / ndf
Width
Mean
MPV
Integral

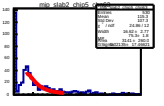

mip_slab2_chip5_chan10
Entries
Mean
Std Dev
χ² / ndf
Width
Mean
MPV
Integral

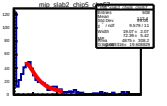

mip_slab2_chip5_chan11
Entries
Mean
Std Dev
χ² / ndf
Width
Mean
MPV
Integral

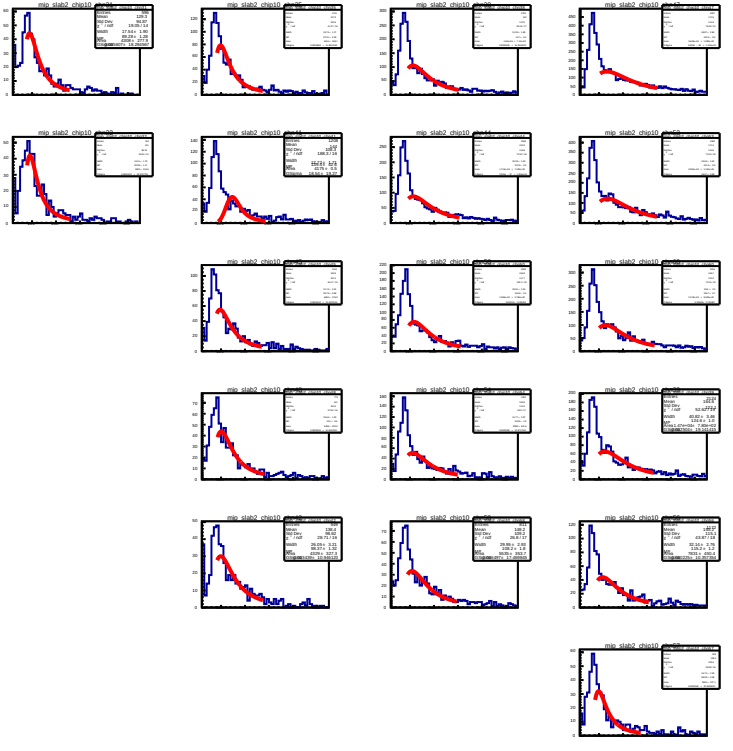

mip_slab2_chip5_chan12
Entries 1704
Mean 112.2
Std Dev 19.7
χ² / ndf 20.18 / 14
Width
Mean 31.9 ± 2.9
MPV 31.9 ± 2.9
Integral 14.000 ± 0.000

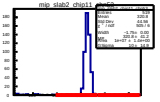

mip_slab2_chip5_chan13
Entries 1704
Mean 111.1
Std Dev 19.12 / 14
Width 29.94 ± 3.78
Mean 50.7 ± 3.0
MPV 50.7 ± 3.0
Integral 14.000 ± 0.000

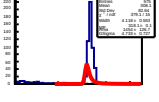

mip_slab2_chip5_chan14
Entries 1704
Mean 110.8
Std Dev 38.42 / 14
Width 33.28 ± 3.45
Mean 63.5 ± 1.5
MPV 63.5 ± 1.5
Integral 14.000 ± 0.000

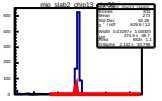

mip_slab2_chip5_chan15
Entries 1704
Mean 122.3
Std Dev 24.88 / 12
Width 24.62 ± 2.7
Mean 76.3 ± 1.8
MPV 76.3 ± 1.8
Integral 14.000 ± 0.000


mip_slab2_chip5_chan16
Entries 1704
Mean 107.4
Std Dev 8.679 / 11
Width 19.07 ± 2.12
Mean 31.9 ± 0.9
MPV 31.9 ± 0.9
Integral 14.000 ± 0.000




mip_slab2_chip11_ped_cut
Entries 2000
Mean 2.018
Underflow 0.0000
Overflow 0.0000
χ² / ndf 5357.6
Width 0.7811 ± 0.0000
Mean 2.000 ± 0.000
Sigma 0.0000 ± 0.0000
Integral 4.7200 ± 0.0000
Fitting 0.0 - 3.0


mip_slab2_chip11_ped_cut
Entries 2000
Mean 10.12
Underflow 0.0000
Overflow 10.42
χ² / ndf 379.7 / 15
Width 0.1184 ± 0.0003
Mean 0.0000 ± 0.0000
Sigma 0.0011 ± 0.0000
Integral 4.7200 ± 0.0000
Fitting 0.0 - 0.1


mdc slab2 chan13
Entries 272
Mean 270
Sigma 6.29
Total 6292.11
Width 0.030274± 0.008800
270.61± 36.7
Mean 270.6
Sigma 2.143± 0.04
500
400
300
200
100
0