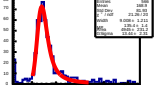
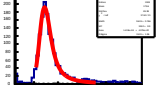
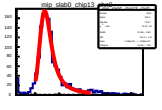
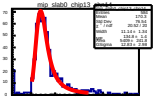
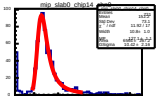
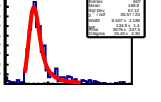

mip_slab0_chip12_chan30
Entries 2000
Mean 28.07
RMS 28.68
χ² / ndf 21.30 / 23
Width 9.038 ± 1.211
MPV 28.07 ± 0.00
Area 4949 ± 241.2
Sigma 13.64 ± 0.0

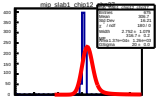

mip_slab0_chip12_chan30

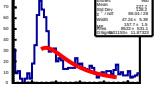

mip_slab0_chip13
Entries 2000
Mean 0.4
RMS 0.2
χ² / ndf 1.7e+02 / 1
Width 0.14 ± 1.3e-3
Mean 0.4 ± 1.3e-3
Sigma 0.0 ± 1.3e-3
Integral 1.2e+4 ± 1.1e-2
0
20
40
60
80
100
120
140
160

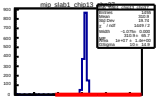

mip_slab0_chip14
Entries 2000
Mean 19.5
RMS 5.12
χ² / ndf 10.0e+3 / 15
Width 11.14 ± 1.1e-3
Mean 19.5 ± 1.1e-3
Sigma 5.00 ± 1.1e-3
Integral 12.0e+4 ± 1.1e-2
0
10
20
30
40
50
60
70

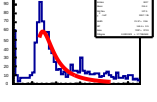

msp_slab0_chip14_adc
Entries 1 x 2 y
Mean x 11.87 11.87
Mean y 10.81 3.0
Rms x 0.487 0.487
Rms y 10.82 3.01
100
80
60
40
20
0

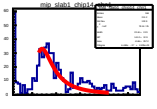

mip_slab0_chip15_pedsub
Entries 1000
Mean 1.012
RMS 0.0512
χ² / ndf 16.97 / 10
Width 0.027 ± 0.006
Sigma 0.0162 ± 0.0014
MPV 0.975 ± 0.013
Integral 25.00 ± 1.4

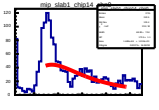

mip_slab1_chip12_strip3
Entries 1024
Mean 160.7
RMS 10.79
χ² / ndf 180.79 / 7
Width 2.792 ± 1.029
Area 318.7 ± 0.2
MPV 158.1 ± 0.3
Sigma 2.5 ± 0.2

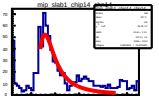

mip_slab1_chip12_strip4
Entries 1024
Mean 160.7
RMS 10.79
χ² / ndf 80.04 / 6
Width 47.16 ± 9.36
Area 1.0 ± 0.0
MPV 162.2 ± 0.1
Sigma 11.15 ± 0.10

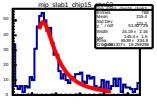

mip slab1 chip13
Entries 1000
Mean 32.4
Std Dev 1.69
Integral 1000.0
Const 0.2750 ± 0.0202
MPV 1323.8 ± 66.7
Sigma 54.0 ± 1.7
Chi2/ndf 27.1 / 19
900
800
700
600
500
400
300
200
100
0

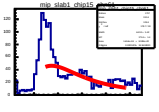

mip slab1 chip13
90
80
70
60
50
40
30
20
10
0

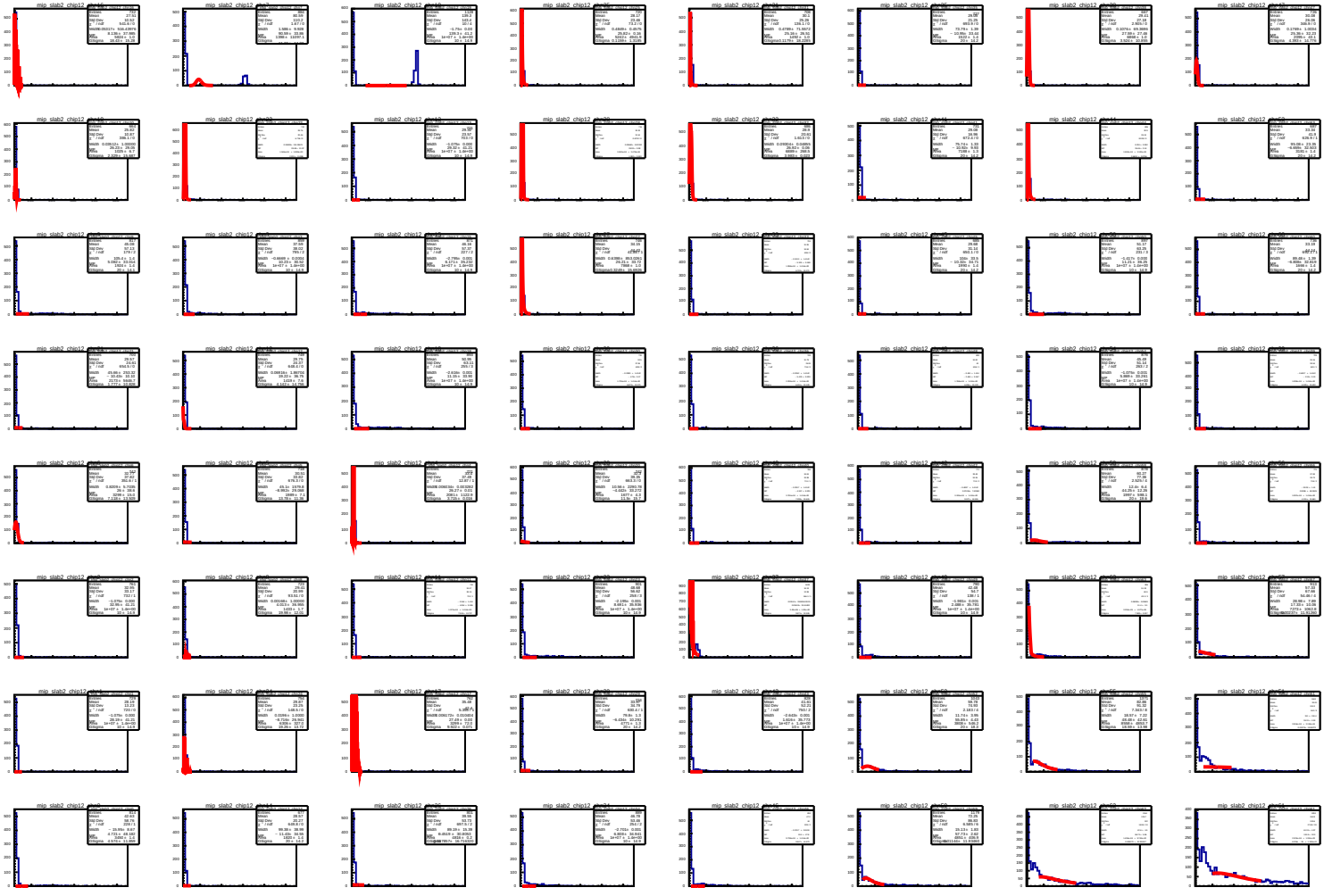

mip slab1 chip14 chnl4
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 1000.0
Skewness 0.0
Kurtosis 0.0
Constant 0.0
MPV 0.0
Sigma 0.0
Chi2 0.0
NDF 0.0
Prob 0.0
0
10
20
30
40
50
60

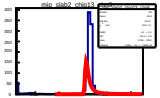

mip slab1 chip14 chnl4
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 1000.0
Skewness 0.0
Kurtosis 0.0
Constant 0.0
MPV 0.0
Sigma 0.0
Chi2 0.0
NDF 0.0
Prob 0.0
0
20
40
60
80
100
120

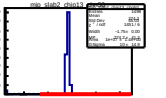

mip slab1 chip14 chnl4
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 1000.0
Skewness 0.0
Kurtosis 0.0
Constant 0.0
MPV 0.0
Sigma 0.0
Chi2 0.0
NDF 0.0
Prob 0.0
0
5
10
15
20
25
30
35
40
45
50

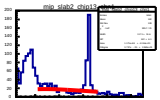

mip slab1 chip15 channel
Entries 2324
Mean 23.21
RMS 11.07
χ² / ndf 51.07 / 26
Width 16.19 ± 2.16
MPV 23.01 ± 0.41
Area 1600.0 ± 116.9
Goodness of fit 24.0000%

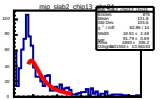

mip slab1 chip15 channel

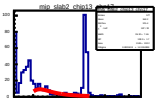


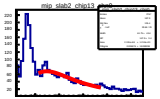

mip slab2 chip13 chan1

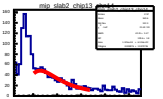

mip slab2 chip13 chan2

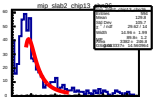

mip slab2 chip13 chan3

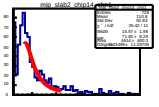

mip slab2 chip13 chan4
Entries 1127
Mean 103.6
Std Dev 33.0
χ2 / ndf 1.0
Const 10.61 ± 2.45
Mean 55.78 ± 0.58
Sigma 4.84 ± 0.61

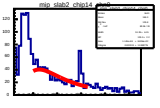

mip slab2 chip13 chan5

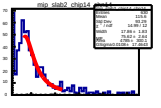

mip slab2 chip13 chan6

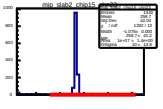

mip slab2 chip13 chan7

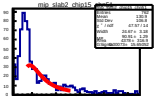

mip slab2 chip13 chan8
Entries 1000
Mean 139.2
Std Dev 29.0
χ2 / ndf 29.6/7.14
Const 16.96 ± 1.99
Mean 103.7 ± 0.8
Sigma 14.90 ± 0.94

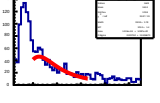

mip_slab2_chip14_chn1
Entries 1000
Mean 33.17
Std Dev 32.63
χ² / ndf 29.42 / 7
Constant 23.57 ± 3.58
Mean 71.60 ± 8.29
Sigma 19.11 ± 10.03
Prob 0.0001
Chi2 distribution 14.00000

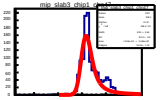

mip_slab2_chip14_chn2

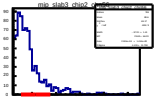

mip_slab2_chip14_chn3
Entries 1000
Mean 13.17
Std Dev 12.73
χ² / ndf 12.80 / 12
Width 17.89 ± 1.83
Sigma 0.0001 ± 0.0001
Prob 0.0001 ± 0.0001
Chi2 distribution 12.00000

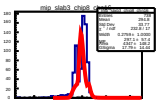

mip_slab2_chip15_chan13
Entries 1000
Mean 0.0
Std Dev 0.0
χ² / ndf 1260 / 14
Width -0.079 ± 0.001
MPV -0.0 ± 45.0
Area 54477 ± 1.8e+06
Chisq / ndf 1.0 ± 0.0

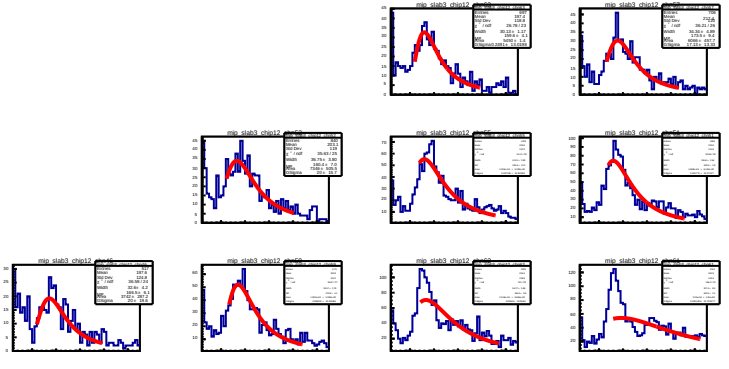

mip_slab2_chip15_chan14
Entries 1000
Mean 0.0
Std Dev 159.0
χ² / ndf 1.0e+04
Width 33.87 ± 3.16
MPV 30.95 ± 2.26
Area 7270 ± 1.0e+05
Chisq / ndf 0.0 ± 0.0

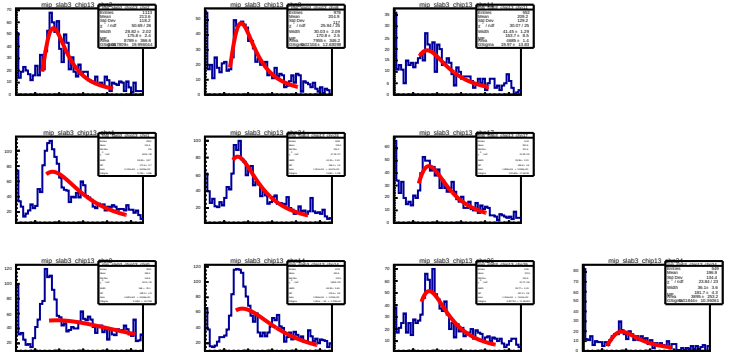

mip_slab2_chip15_chan15

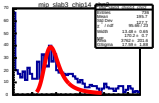

mip_slab3_chip1_chan3
Entries 1000
Mean 0.7
RMS 0.1
Underflow 0
Overflow 0
Integral 1000
MPV = 0.7 ± 0.0
Sigma = 0.1 ± 0.0
Landau χ² / ndf 0.0 / 0
Constant = 0.0 ± 0.0

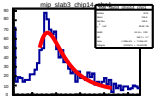


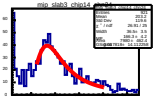

msp_slab3_chp6_c_ch16
Entries 1 Mean x 0.2778
Mean 24.12
Std Dev 23.17
χ / ndf 232.8 / 17
Mean 0.2778 ± 0.0302
Sigma 1.0000 ± 0.0000
MPV 23.07 ± 126.2
Sigma 27.79 ± 0.16
180
160
140
120
100
80
60
40
20
0

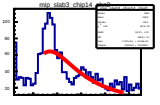

mip_slab3_chip12_chan55
mip_slab3_chip12_chan56
mip_slab3_chip12_chan57
mip_slab3_chip12_chan58
mip_slab3_chip12_chan59
mip_slab3_chip12_chan60
mip_slab3_chip12_chan61
mip_slab3_chip12_chan62
mip_slab3_chip12_chan63
mip_slab3_chip12_chan64

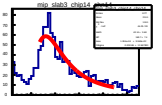

mip_slab3_chip13_chan1
mip_slab3_chip13_chan2
mip_slab3_chip13_chan3
mip_slab3_chip13_chan4
mip_slab3_chip13_chan5
mip_slab3_chip13_chan6
mip_slab3_chip13_chan7
mip_slab3_chip13_chan8
mip_slab3_chip13_chan9
mip_slab3_chip13_chan10
mip_slab3_chip13_chan11
mip_slab3_chip13_chan12

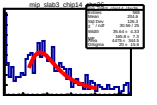

mip_slab3_chip14_chan0
Entries 256
Mean 214.7
Std Dev 17.12
χ² / ndf 95.48 / 19
Const 13.00 ± 0.69
MPV 175.2 ± 0.7
Sigma 5.000 ± 0.000
Integral 17700 ± 118

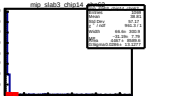

mip_slab3_chip14_chan1
Entries 256
Mean 214.7
Std Dev 17.12
χ² / ndf 95.48 / 19
Const 13.00 ± 0.69
MPV 175.2 ± 0.7
Sigma 5.000 ± 0.000
Integral 17700 ± 118

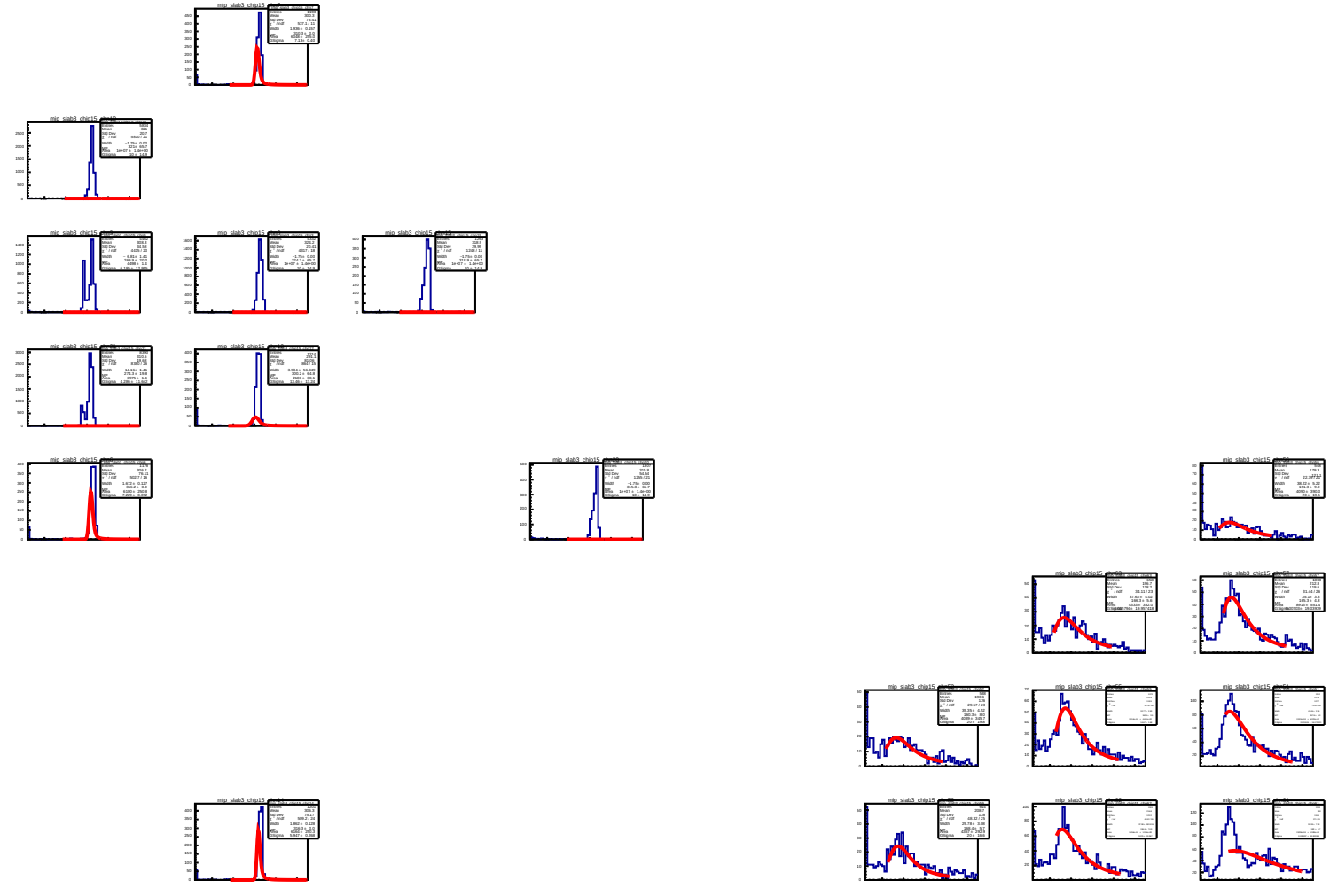

mip_slab3_chip14_chan2
Entries 256
Mean 202.2
Std Dev 13.6
χ² / ndf 30.34 / 15
Const 36.34 ± 1.5
MPV 186.3 ± 0.2
Sigma 4.000 ± 0.000
Integral 7810 ± 1000

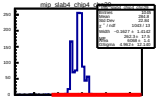

mip_slab3_chip14_chan3
Entries 256
Mean 214.7
Std Dev 17.12
χ² / ndf 95.48 / 19
Const 13.00 ± 0.69
MPV 175.2 ± 0.7
Sigma 5.000 ± 0.000
Integral 17700 ± 118

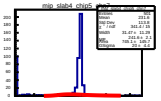

mip_slab3_chip14_chan4
Entries 256
Mean 214.7
Std Dev 17.12
χ² / ndf 95.48 / 19
Const 13.00 ± 0.69
MPV 175.2 ± 0.7
Sigma 5.000 ± 0.000
Integral 17700 ± 118

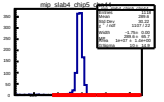

mip_slab3_chip14_chan5
Entries 256
Mean 230.2
Std Dev 30.67
χ² / ndf 30.67 / 19
Const 39.44 ± 0.23
MPV 230.2 ± 0.3
Sigma 4.970 ± 0.001
Integral 20 ± 0.4

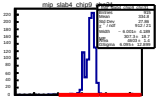

mip_slab3_chip14_chan6
Entries 256
Mean 58.81
Std Dev 9.27
χ² / ndf 501.3 / 1
Const 64.4k ± 320.9
MPV 58.81 ± 0.00
Sigma 0.857 ± 0.000
Integral 55000 ± 15.127

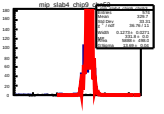


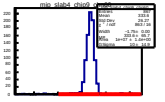

mip slab4 chip0
Entries 1000
Mean 262.9
Std Dev 22.66
χ / ndf 1.e+07
p0 0.3667 ± 1.6545
Mean 262.9 ± 22.6
Sigma 2.76299 ± 3.03
Integral 2.76299 ± 3.03
250
200
150
100
50
0

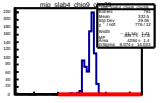

mip slab4 chip5 chan5
Entries 2010
Mean 1318
Std Dev 1318
χ / ndf 312.2 / 15
Width 31.474 ± 0.25
Mean 1318.1 ± 0.2
Sigma 30.1 ± 0.1

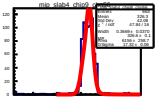

mip slab4 chip5 chan6
Entries 2010
Mean 1318
Std Dev 28.02
χ / ndf 1327 / 12
0.75± 0.90
Width 27.1 ± 0.4
Mean 1317.1 ± 0.4
Sigma 26.1 ± 0.3

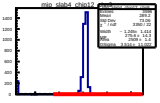

mip_slab4_chip2_chn34
Entries 1000
Mean 34.12
Std Dev 27.66
χ² / ndf 512 / 21
Prob 0.000
Constant 0.0551 ± 0.189
Mean 0.0000 ± 0.0
Sigma 0.0000 ± 0.0
Sigma 0.0000 ± 27.66

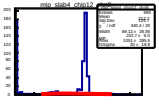

mip_slab4_chip2_chn35
Entries 1000
Mean 128.4
Std Dev 36.79
χ² / ndf 36.79 / 11
Prob 0.1271e-03
Constant 0.0271 ± 0.0271
Mean 0.0000 ± 0.0
Sigma 0.0000 ± 36.79

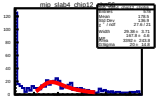

mip_slab4_chip2_chn36
Entries 1000
Mean 203.8
Std Dev 23.74
χ² / ndf 403.74
Prob 0.000
Constant -1.78e+ 0.02
Mean 0.0000 ± 0.0
Sigma 0.0000 ± 23.74

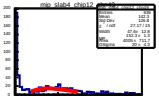

mip_slab4_chip2_chn37
Entries 1000
Mean 203.8
Std Dev 29.16
χ² / ndf 774.2
Prob 0.000
Constant -2.67e+ 0.02
Mean 0.0000 ± 0.0
Sigma 0.0000 ± 29.16

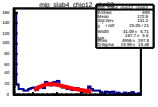

mip_slab4_chip2_chn38
Entries 1000
Mean 203.8
Std Dev 27.12
χ² / ndf 27.62 / 21
Prob 0.1664e-01
Constant 0.0551 ± 0.0551
Mean 0.0000 ± 0.0
Sigma 0.0000 ± 27.12

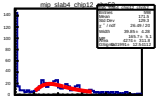

mip_slab4_chip12_ch0
Entries 2000
Mean 289.2
Std Dev 19.71
χ² / ndf 3303 / 20
Width − 1.249e − 1.41d
− 279.9 ± 12.2
MPV − 1.249e − 1.41d
Integral 1.249e − 1.41d

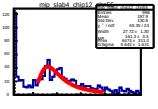

mip_slab4_chip12_ch1
Entries 2000
Mean 340.4
Std Dev 17.48
χ² / ndf 340.4 / 40
Width 69.12 ± 26.91
202.2 ± 9.3
MPV 340.4 ± 17.48
Integral 17.48 ± 0.6

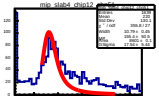

mip_slab4_chip12_ch2
Entries 2000
Mean 179.9
Std Dev 1.967
χ² / ndf 27.0 / 21
Width 25.28 ± 3.71
7.00 ± 0.4
MPV 3967 ± 2.01e
Integral 27.0 ± 0.4

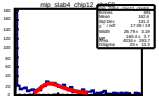

mip_slab4_chip12_ch3
Entries 2000
Mean 112.4
Std Dev 1.967
χ² / ndf 25.00 / 21
Width 21.09 ± 5.71
147.7 ± 9.6
MPV 3967 ± 2.01e
Integral 19.86 ± 19.18

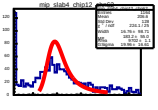

mip_slab4_chip12_ch4
Entries 2000
Mean 112.4
Std Dev 1.967
χ² / ndf 23.86 / 21
Width 34.5± 3.1
141.9 ± 4.9
MPV 3967 ± 2.01e
Integral 23.86 ± 0.6

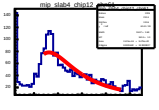

mip_slab4_chip12_ch5
Entries 2000
Mean 112.4
Std Dev 129.3
χ² / ndf 39.89 / 21
Width 39.89 ± 4.06
165.7 ± 9.3
MPV 3967 ± 2.01e
Integral 39.89 ± 0.6

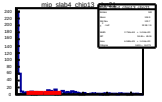

mip_slab4_chip12_ch6
Entries 2000
Mean 39.7
Std Dev 130.8
χ² / ndf 65.32 / 21
Width 27.72 ± 1.30
341.3 ± 3.3
MPV 3967 ± 2.01e
Integral 27.72 ± 1.30

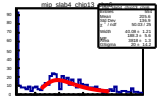

mip_slab4_chip12_ch7
Entries 2000
Mean 39.7
Std Dev 130.1
χ² / ndf 17.85 / 21
Width 11.79± 0.8
186.6± 98.8
MPV 3967 ± 2.01e
Integral 17.85 ± 0.6

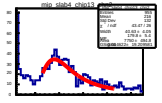

mip_slab4_chip12_ch8
Entries 2000
Mean 112.4
Std Dev 17.00
χ² / ndf 17.00 / 21
Width 26.79± 3.10
1.00e+07 ± 0.0
MPV 4000 ± 0.0
Integral 20± 0.0

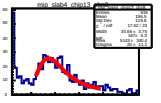

mip_slab4_chip12_ch9
Entries 2000
Mean 39.7
Std Dev 216.1
χ² / ndf 216.1 / 21
Width 15.76± 98.75
1.00e+07 ± 0.0
MPV 5700 ± 3.1
Integral 15.86± 0.0

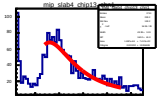

mip_slab4_chip12_ch10
Entries 2000
Mean 39.7
Std Dev 216.1
χ² / ndf
Width
MPV
Integral
Fit
Landau + Gaussian
Mean 5700 ± 3.1
Sigma 1.00e+07 ± 0.0
Norm 4000 ± 0.0
Sigma 20 ± 0.0

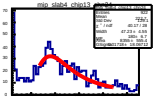

mip_slab4_chip13_chan15
Entries 1
Mean -nan
RMS 0.000
Underflow 0
Overflow 0
Integral 1.000e+00
Constant 1.000e+00
Mean -nan
Sigma 0.000e+00

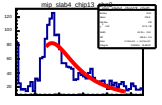

mip_slab4_chip13_chan16
Entries 3000
Mean 259.4
Std Dev 50.13
χ² / ndf 50.017 / 29
Width 43.08 ± 1.21
Peak 1.000 ± 0.000
MPV 3014 ± 1.1
Sigma 22.4 ± 1.1

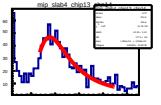

mip_slab4_chip13_chan17
Entries 3000
Mean 259.4
Std Dev 50.13
χ² / ndf 45.47 / 28
Width 43.82 ± 4.29
Peak 279.8 ± 9.4
MPV 3014 ± 1.1
Sigma 22.4 ± 1.1

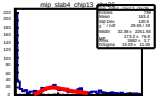

mip_slab4_chip13_chan18
Entries 3000
Mean 259.4
Std Dev 50.13
χ² / ndf 37.82 / 28
Width 33.84 ± 3.71
Peak 1870 ± 6.2
MPV 5142.1 ± 1.1
Sigma 22.4 ± 1.1

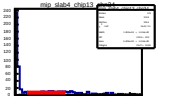

mip_slab4_chip13_chan19
Entries 3000
Mean 259.4
Std Dev 50.13
χ² / ndf 47.21 / 28
Width 26.76 ± 1.14
Peak 3000 ± 0.0
MPV 8.000e+03 ± 0.000e+00
Sigma 22.4 ± 1.1

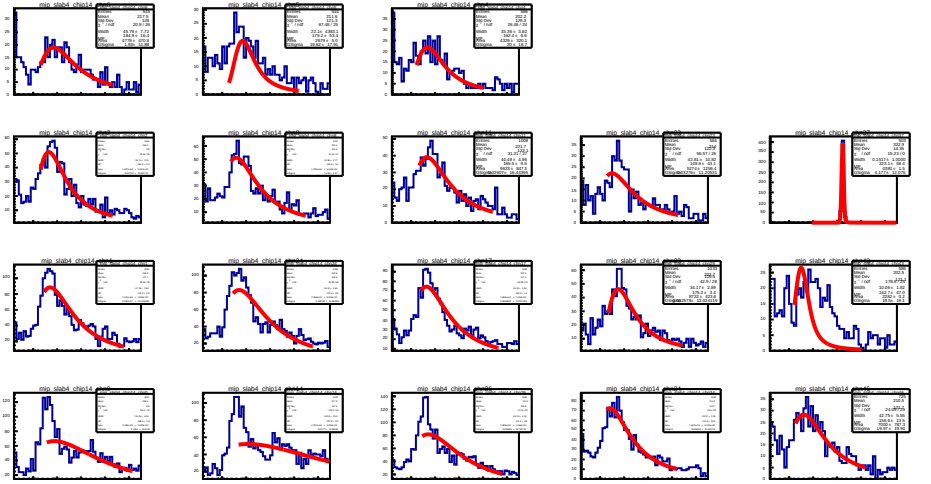

mip_slab4_chip13_chan20
Entries 3000
Mean 259.4
Std Dev 50.13
χ² / ndf 47.21 / 28
Width 26.76 ± 1.14
Peak 3000 ± 0.0
MPV 8.000e+03 ± 0.000e+00
Sigma 22.4 ± 1.1

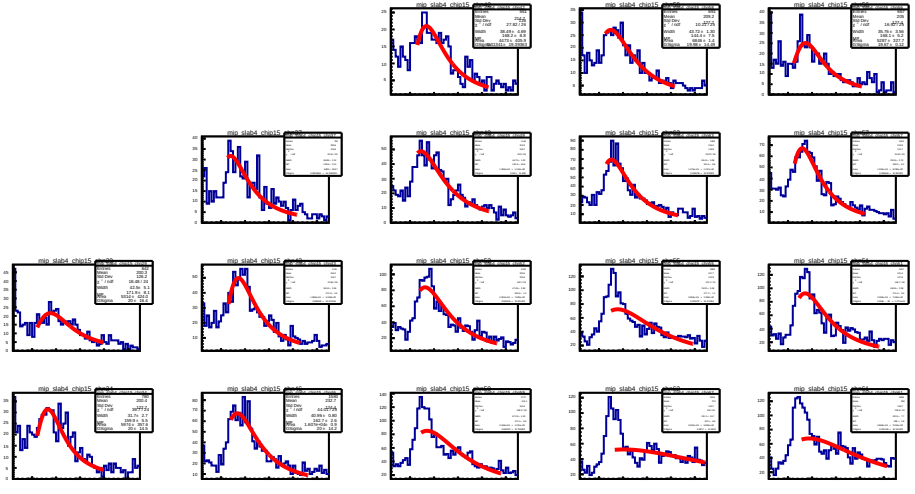

mip_slab4_chip13_chan21
Entries 3000
Mean 259.4
Std Dev 50.13
χ² / ndf 47.21 / 28
Width 26.76 ± 1.14
Peak 3000 ± 0.0
MPV 8.000e+03 ± 0.000e+00
Sigma 22.4 ± 1.1


mip_slab4_chip13_chan22
Entries 3000
Mean 259.4
Std Dev 50.13
χ² / ndf 47.21 / 28
Width 26.76 ± 1.14
Peak 3000 ± 0.0
MPV 8.000e+03 ± 0.000e+00
Sigma 22.4 ± 1.1


mip_slab4_chip13_chan23
Entries 3000
Mean 259.4
Std Dev 50.13
χ² / ndf 29.867 / 18
Width 32.38 ± 229.1 ⊕ 0.0
Peak 1.000 ± 0.000
MPV 3014 ± 1.1
Sigma 14.09 ± 1.15


mip_slab4_chip13_chan24
Entries 1
Mean -nan
RMS 0.000
Underflow 0
Overflow 0
Integral 1.000e+00
Constant 1.000e+00
Mean -nan
Sigma 0.000e+00

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mip_slab4_chip15_chan30
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