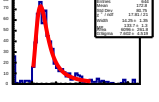
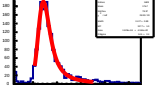
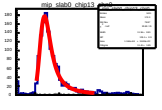
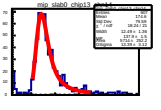
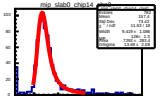
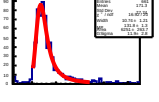

mip slab0 chip12 channel0
Entries 1000
Mean 22.27
RMS 10.16
χ² / ndf 17.81 / 15
Width 14.35 ± 1.35
MPV 22.00 ± 0.21
Area 4898 ± 141.0
Sigma 7.600 ± 0.115

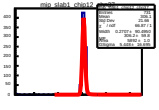

mip slab0 chip12 channel1
Entries 1000
Mean 17.4
RMS 9.17
χ² / ndf 30.07 / 16
Width 14.01 ± 1.08
MPV 16.00 ± 0.17
Area 4400 ± 90.0
Sigma 7.000 ± 0.086

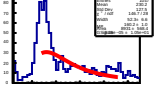

mip_slab0_chip13
Entries 2000
Mean 2.2
RMS 1.1
χ^2 / ndf 1.8e+06 / 1
Width 0.0e+00 ± 0.0e+00
MPV 1.0e+00 ± 0.0e+00
Area 1.0e+00 ± 0.0e+00
Sigma 1.0e+00 ± 0.0e+00

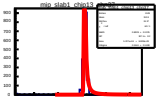

mip_slab0_chip14
Entries 2000
Mean 19.6
RMS 10.1
χ^2 / ndf 18.2e+03 / 1
Width 12.49 ± 1.16
MPV 19.24 ± 0.07
Area 5.72e+3 ± 26.7
Sigma 13.39 ± 0.11

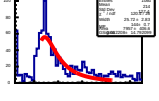

msp_slab0_chip14_adc0
Entries 7996
Mean 39.14
RMS 7.07
χ² / ndf 11.67 / 14
Width 9.219 ± 1.386
Sigma 13.66 ± 0.24
Mpv 39.14
Integral 7995.7 ± 89.4
Sigma 13.66 ± 0.24
100
80
60
40
20
0

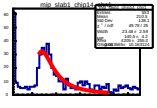

mip slab0 chip15 gain0
Entries 1000
Mean 27.57
RMS 3.07
χ² / ndf 14.07 / 15
Width 3.770 ± 1.15
Sigma 1.601 ± 0.0
MPV 6.03 ± 0.0
Integral 71.76 ± 0.0

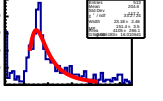

mip_stab1_chip12_strip3
Entries 1000
Mean 306.1
Std Dev 58.8
χ² / ndf 663.8 / 4
Prob 0.0000
Width 3.2727 ± 80.0862
Mpv 306.01 ± 58.18
Area 1000 ± 0.000
Sigma 3.3001 ± 0.000
400
350
300
250
200
150
100
50
0

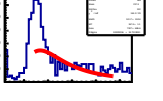

mip_stab1_chip12_strip3
Entries 1000
Mean 102.1
Std Dev 17.1
χ² / ndf 1.8E+7 / 19
Width 92.3± 4.6
Mpv 102.1 ± 0.0
Area 8920 ± 500.1
Sigma 17.1 ± 0.000
70
65
60
55
50
45
40
35
30
25
20

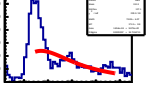

mip slab1 chip13 strip2
900
800
700
600
500
400
300
200
100
0

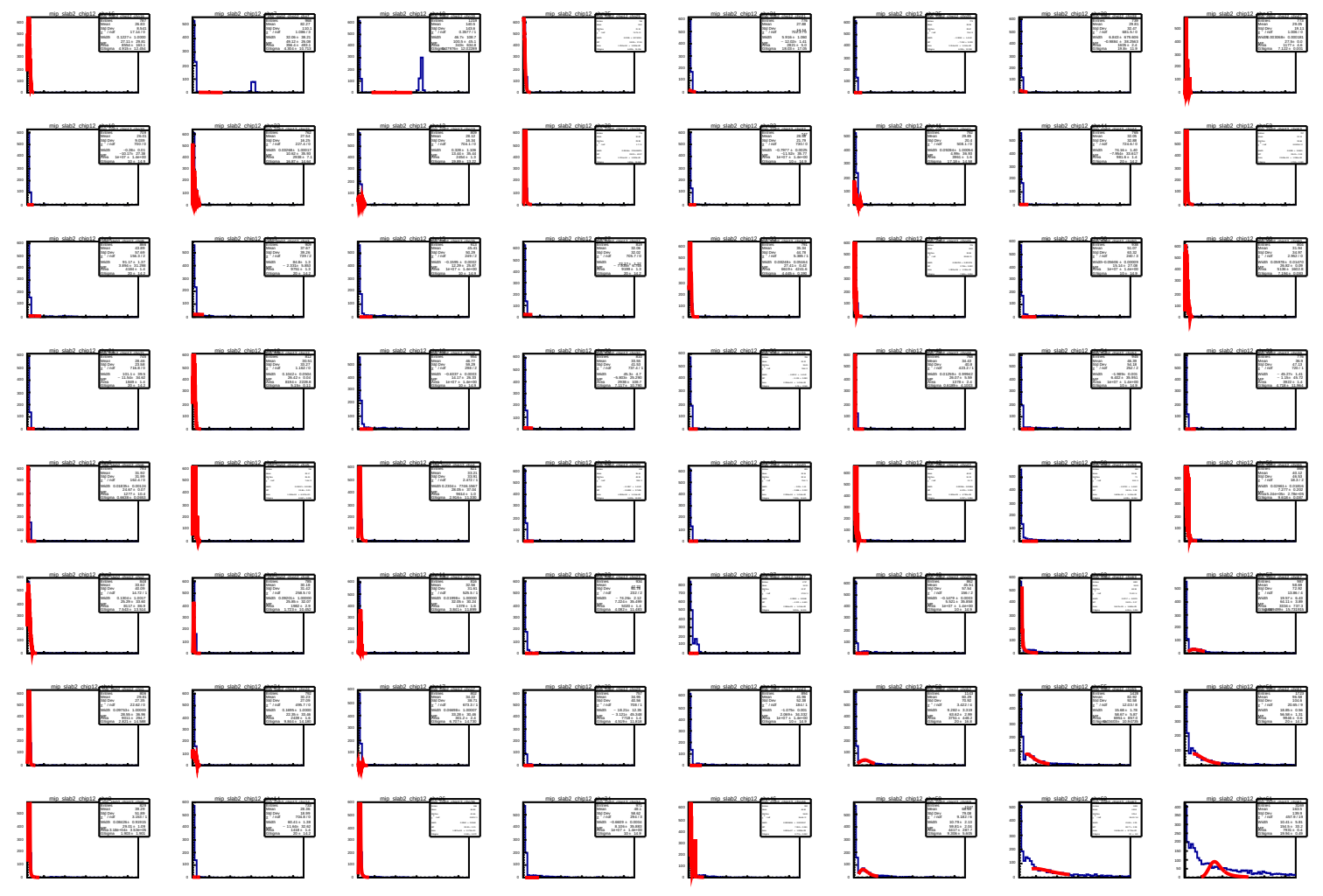

mip slab1 chip13 strip3
100
80
60
40
20
0

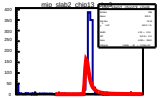

mip slab1 chip14 chnl1
Entries 1000
Mean 19.51
Std Dev 3.06
χ² / ndf 49 / 17
p1 23.48 ± 2.19
MPV 3.65 ± -0.0
p2 0.7 ± 0.0
p3 0.0 ± 0.0
p4 0.0 ± 0.0
p5 0.0 ± 0.0
p6 0.0 ± 0.0
p7 0.0 ± 0.0
p8 0.0 ± 0.0
p9 0.0 ± 0.0
p10 0.0 ± 0.0
p11 0.0 ± 0.0
p12 0.0 ± 0.0

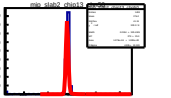

mip slab1 chip15 chan54
Entries 2423
Mean 2423
Std Dev 1.7
χ2 / ndf 27.0 / 6
Const 33.38 ± 3.46
MPV 2314.6 ± 0.5
Sigma 21.6 ± 0.6
Integral 2314.6 ± 0.5

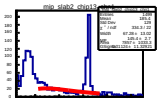

mip slab1 chip15 chan55

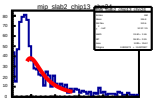

mip slab1 chip15 chan56

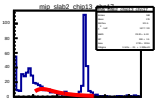


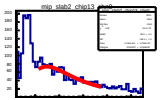

mip slab2 chip13 chan0

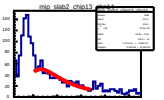

mip slab2 chip13 chan2

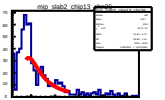

mip slab2 chip13 chan1
Entries 2
Mean 1.5
RMS 0.5
Underflow 0
Overflow 0
Integral 2.0e+04
Skewness 0.000
Kurtosis 0.000
Mean 57.35 ± 15.02
Sigma 5.05 ± 2.7
Const 1.0000 ± 0.0000
Chi2/ndf/Prob 1.0000 / 1 / 0.3173

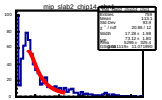

mip slab2 chip13 chan3

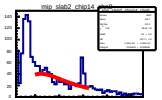

mip slab2 chip13 chan4

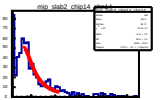

mip slab2 chip13 chan5

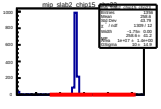

mip slab2 chip13 chan6

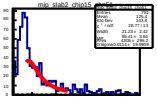

mip slab2 chip13 chan7

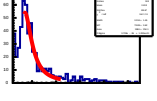

mip_slab2_chip14_chn1
Entries 1000
Mean 13.17
Std Dev 10.8
χ² / ndf 20.95 / 9
p0 17.28 ± 1.68
Mpv 13.12 ± 1.85
Sigma 0.991 ± 0.054
Chi2 0.0011 / 0.0000
0
20
40
60
80
100

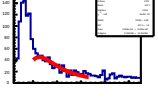

mip_slab2_chip14_chn2
Entries 1000
Mean 14.1
Std Dev 9.7
χ² / ndf 19.01 / 10
p0 14.1 ± 1.7
Mpv 10.01 ± 1.21
Sigma 0.9 ± 0.1
Chi2 0.0000 / 0.0000
0
20
40
60
80
100
120
140

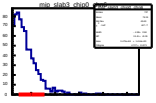

mip_slab2_chip14_chn14
Entries 1000
Mean 11.7
Std Dev 8.1
χ² / ndf 15.21 / 8
p0 17.1 ± 1.7
Mpv 9.01 ± 1.21
Sigma 0.9 ± 0.1
Chi2 0.0000 / 0.0000
0
20
30
40
50
60
70
80

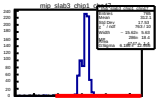

mip_slab2_chip15_chan13
Entries 1000
Mean 277.4
Std Dev 277.4
χ² / ndf 1380 / 12
Width -1.75± 0.91
Area 17.8 ± 21.2
MPV 14.07 ± 0.04
Sigma 0.5 ± 0.5

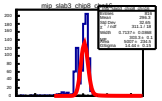

mip_slab2_chip15_chan14
Entries 1000
Mean 103.7
Std Dev 103.8
χ² / ndf 1.4 / 1
Width 31.25 ± 2.45
Area 20.41 ± 3.92
MPV 0.0 ± 0.0
Sigma 0.0000 ± 0.0000

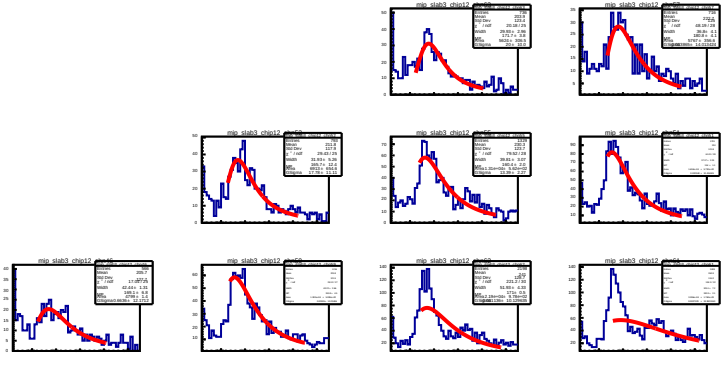

mip_slab2_chip15_chan15

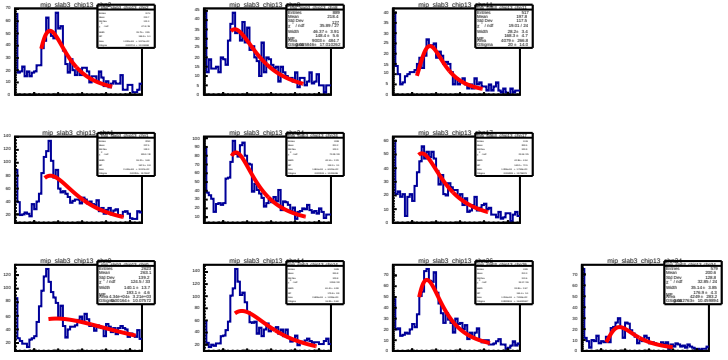

mip_slab2_chip15_chan16

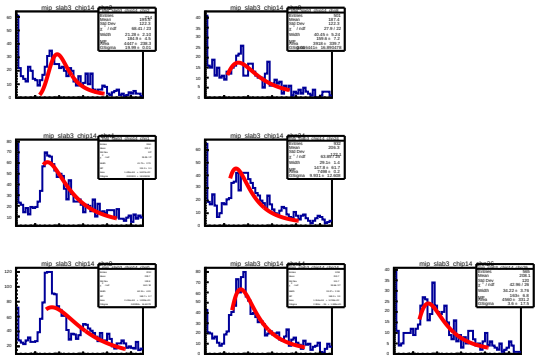

mip_slab3_chip0
Entries 1000
Mean 0.4
RMS 0.4
Underflow 0
Overflow 0
Integral 1000
80
70
60
50
40
30
20
10
0

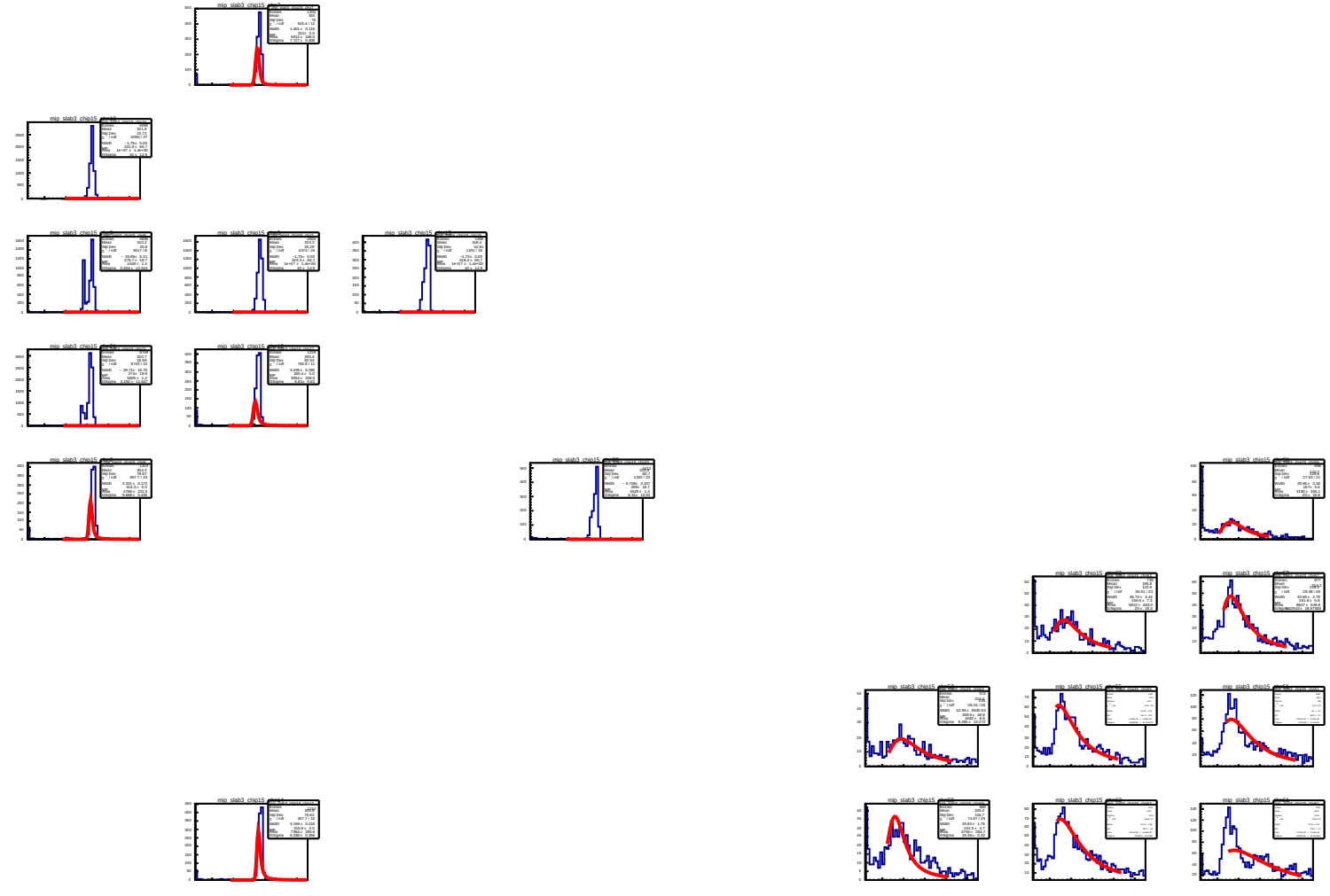

mip_slab3_chip1_chan25
Entries 3000
Mean 3.03
Std Dev 17.16
χ² / ndf 762.26
Width 2.48± 3.12
Mean 3.03
Sigma 0.0377± 0.44

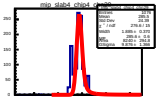

msp_slab3_chip8_strip5
Entries 1000
Mean 26.12
Std Dev 32.65
χ / ndf 311.1 / 59
Amplitude 0.7137 ± 0.0088
Mean 14.00 ± 0.01
Sigma 2.00 ± 0.01
Sigma 14.44 ± 0.01
200
180
160
140
120
100
80
60
40
20
0

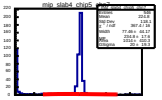

mip_slab3_chip12
mip_slab3_chip12
mip_slab3_chip12
mip_slab3_chip12
mip_slab3_chip12
mip_slab3_chip12
mip_slab3_chip12
mip_slab3_chip12
mip_slab3_chip12

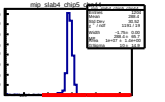

mip_slab3_chip13_chan1
mip_slab3_chip13_chan2
mip_slab3_chip13_chan3
mip_slab3_chip13_chan4
mip_slab3_chip13_chan5
mip_slab3_chip13_chan6
mip_slab3_chip13_chan7
mip_slab3_chip13_chan8
mip_slab3_chip13_chan9
mip_slab3_chip13_chan10
mip_slab3_chip13_chan11
mip_slab3_chip13_chan12

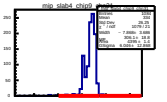

mip_slab3_chip14_strip1
Entries 1000
Mean 19.57
Std Dev 10.12
χ2 / ndf 98.41 / 19
Width 21.28 ± 2.15
MPV 164.9 ± 4.6
Area 1000 ± 0.0
Sigma 13.58 ± 0.53
mip_slab3_chip14_strip2
Entries 1000
Mean 19.71
Std Dev 10.17
χ2 / ndf 27.9 / 22
Width 22.25 ± 3.21
MPV 169.6 ± 7.2
Area 1000 ± 0.0
Sigma 13.72 ± 0.63
mip_slab3_chip14_strip3
Entries 1000
Mean 19.57
Std Dev 10.12
χ2 / ndf 33.87 / 22
Width 20.1 ± 1.4
MPV 167.8 ± 10.2
Area 1000 ± 0.0
Sigma 9.91 ± 0.69
mip_slab3_chip14_strip4
Entries 1000
Mean 19.57
Std Dev 10.12
χ2 / ndf 33.87 / 22
Width 20.1 ± 1.4
MPV 167.8 ± 10.2
Area 1000 ± 0.0
Sigma 9.91 ± 0.69
mip_slab3_chip14_strip5
Entries 1000
Mean 19.57
Std Dev 10.12
χ2 / ndf 33.87 / 22
Width 20.1 ± 1.4
MPV 167.8 ± 10.2
Area 1000 ± 0.0
Sigma 9.91 ± 0.69
mip_slab3_chip14_strip6
Entries 1000
Mean 19.57
Std Dev 10.12
χ2 / ndf 33.87 / 22
Width 20.1 ± 1.4
MPV 167.8 ± 10.2
Area 1000 ± 0.0
Sigma 9.91 ± 0.69
mip_slab3_chip14_strip7
Entries 1000
Mean 19.57
Std Dev 10.12
χ2 / ndf 42.86 / 28
Width 16.23 ± 0.76
MPV 169.1 ± 3.1
Area 1000 ± 0.0
Sigma 8.4 ± 0.3

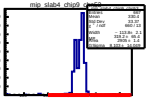


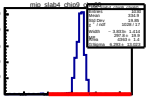

mip slab4 chn4 step0
Entries 2000
Mean 290.4
Std Dev 20.38
χ² / ndf 1.1 / 1
Const 1.000e+ 0.375
Mean 290.8 ± 0.4
Sigma 8.016 ± 0.600
250
200
150
100
50
0

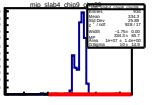

mip slab4 chip5 chan2
Entries 2018
Mean 2.18
Std Dev 2.81
χ / ndf 287.4 / 14
width 77.84 ± 41.12
Mean 2.000 ± 0.000
Sigma 2.011 ± 0.000
Integral 80 ± 10.0

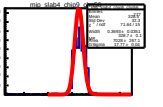

mip slab4 chip5 chan4
Entries 2018
Mean 2.02
Std Dev 0.22
χ / ndf 1151 / 14
width 0.75 ± 0.00
Mean 2.000 ± 0.000
Sigma 0.000 ± 0.000
Integral 10 ± 0.0

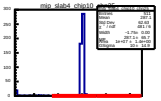

mip_slab4_chip0_ch01
Entries 122
Mean 28.25
Std Dev 10.79 ± 1.1
χ² / ndf 0.0 / 0
Width - 7.0000 ± 3.000
Mean 28.00 ± 0.0
Area 2000 ± 1.0
Sigma 0.0000 ± 2.000

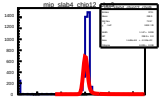

mip_slab4_chip0_ch02
Entries 1024
Mean 110.6
Std Dev 3.02
χ² / ndf 603.7 / 1
Width - 110.0± 2.3
Mean 110.0 ± 0.2
Area 2000 ± 0.2
Sigma 0.0000 ± 0.000

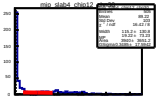

mip_slab4_chip0_ch03
Entries 1024
Mean 34.8
Std Dev 1.03
χ² / ndf 1120.7 / 1
Width - 3.0000± 1.012
Mean 35.00 ± 0.0
Area 2000 ± 0.0
Sigma 0.0000± 0.000

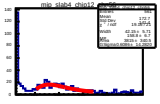

mip_slab4_chip0_ch04
Entries 1024
Mean 29.52
Std Dev 29.00
χ² / ndf 0.0 / 0
Width - 1.70± 0.00
Mean 29.21 ± 0.0
Area 14437 ± 1.0 ±0.00
Sigma 0.0000 ± 0.0

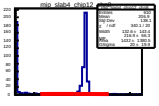

mip_slab4_chip0_ch05
Entries 1024
Mean 3.07
Std Dev 0.7
χ² / ndf 71.6/7.5
Width 0.3000± 0.0001
Mean 3.000 ± 0.0
Area 7000± 2012
Sigma 0.0000 ± 0.0

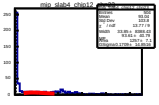

mip_slab4_chip33_ped_05
Entries 2013
Mean 52.05
Std Dev 2017.6
RMS -1.75e-10 52.0
χ² / ndf 26.77 / 14
Prob 1.4e-07
Integral 2013 ± 45.0
300
250
200
150
100
50
0

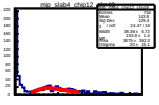

mip_slab4_chip12

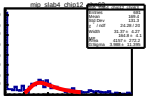

mip_slab4_chip12

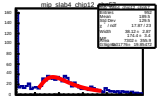

mip_slab4_chip12

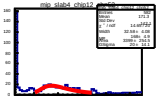

mip_slab4_chip12

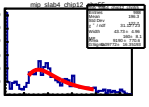

mip_slab4_chip12

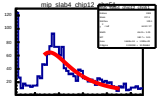

mip_slab4_chip12

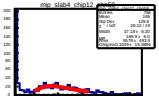

mip_slab4_chip12

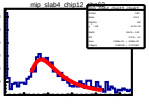

mip_slab4_chip12

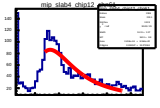

mip_slab4_chip12

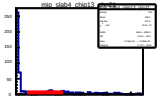

mip_slab4_chip12

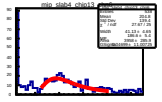

mip_slab4_chip12

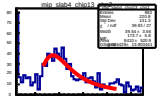

mip_slab4_chip12

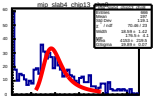

mip_slab4_chip12

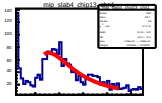

mip_slab4_chip12

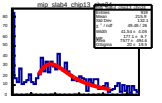

mip slab4 chip13 strip5
Entries 1
Mean 1.
RMS 0.0
χ² / ndf 0.0 / 0
Prob 0.0
p0 1.000 ± 0.000
p1 0.000 ± 0.000
p2 0.000 ± 0.000
p3 0.000 ± 0.000

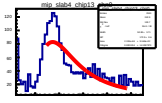

mip slab4 chip13 strip6
Entries 1000
Mean 213.9
Std Dev 27.67
χ² / ndf 27.67 / 28
Prob 0.4
p0 11.51 ± 4.91
p1 0.000 ± 0.000
p2 300.1 ± 300.3
p3 11.51 ± 4.91

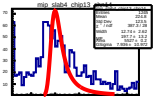

mip slab4 chip13 strip7
Entries 1000
Mean 213.9
Std Dev 29.63
χ² / ndf 29.63 / 29
Prob 0.4
p0 29.62 ± 3.59
p1 273.2 ± 9.8
p2 0.000 ± 0.000
p3 11.6000 ± 0.6000

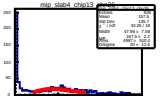

mip slab4 chip13 strip8
Entries 1000
Mean 213.9
Std Dev 27.
χ² / ndf 70.46 / 28
Prob 0.0
p0 18.59 ± 1.41
p1 179.9 ± 1.4
p2 0.000 ± 0.000
p3 13.01 ± 0.01

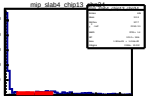

mip slab4 chip13 strip9
Entries 1000
Mean 213.9
Std Dev 29.
χ² / ndf 41.54 / 28
Prob 0.0
p0 177.1 ± 6.7
p1 19.77 ± 0.03
p2 0.000 ± 0.000
p3 20.1 ± 0.1

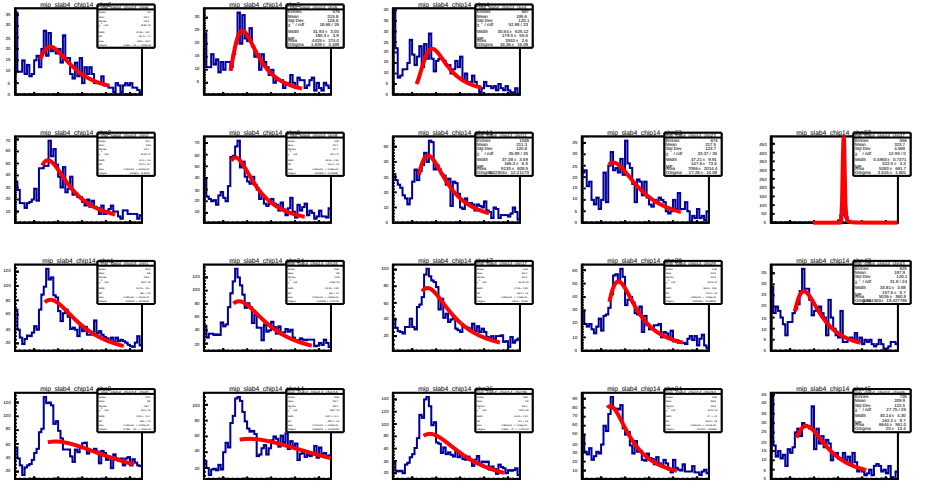

mip slab4 chip13 strip10
Entries 1000
Mean 213.9
Std Dev 28.1
χ² / ndf 28.1 / 28
Prob 0.4
p0 41.54 ± 4.05
p1 177.1 ± 6.7
p2 19.77 ± 0.03
p3 20.1 ± 0.1

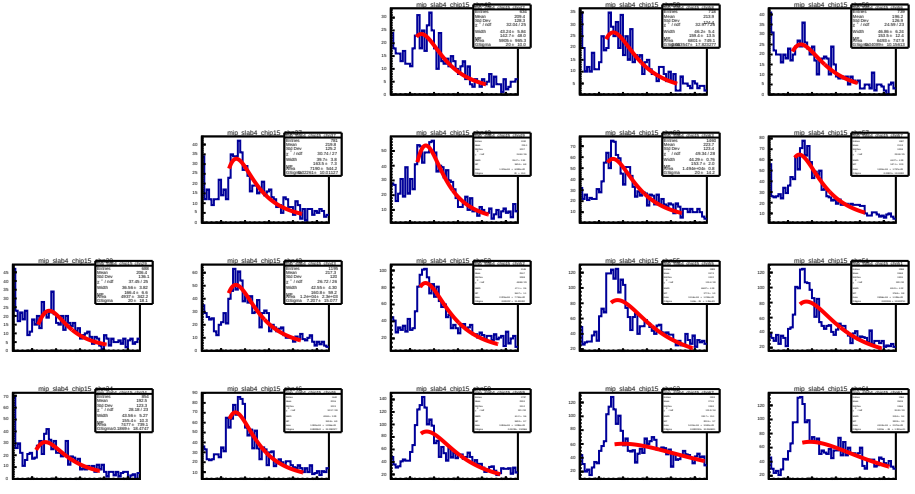

mip slab4 chip13 strip11
Entries 1000
Mean 213.9
Std Dev 33.
χ² / ndf 33.
Prob 0.0
p0 12.74 ± 2.62
p1 187.7 ± 7.7
p2 0.000 ± 0.000
p3 7.6000 ± 0.7000


mip slab4 chip13 strip12
Entries 1000
Mean 213.9
Std Dev 32.
χ² / ndf 327.7 / 28
Prob 0.0
p0 12.74 ± 2.62
p1 187.7 ± 7.7
p2 0.000 ± 0.000
p3 7.6000 ± 0.7000


mip slab4 chip13 strip13
Entries 1000
Mean 190.9
Std Dev 33.
χ² / ndf 33.25 / 18
Prob 0.0
p0 47.66 ± 7.66
p1 187.7 ± 7.7
p2 0.000 ± 0.000
p3 20.1 ± 0.1


mip slab4 chip13 strip14
Entries 1
Mean 0.
RMS 0.0
χ² / ndf 0.0 / 0
Prob 0.0
p0 1.000 ± 0.000
p1 0.000 ± 0.000
p2 0.000 ± 0.000
p3 0.000 ± 0.000


mip slab4 chip14
mip slab4 chip14
mip slab4 chip14
mip slab4 chip14
mip slab4 chip14
mip slab4 chip14
mip slab4 chip14
mip slab4 chip14
mip slab4 chip14
mip slab4 chip14
mip slab4 chip14
mip slab4 chip14
mip slab4 chip14
mip slab4 chip14
mip slab4 chip14
mip slab4 chip14
mip slab4 chip14
mip slab4 chip14
mip slab4 chip14
mip slab4 chip14


mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 32.02 / 21
Width 22.21 ± 3.21
Area 1.2e+03 ± 1.2e+02
Sigma 5.65 ± 1.61
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 32.05 / 21
Width 18.25 ± 5.4
Area 1.2e+03 ± 1.2e+02
Sigma 1.05 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 24.99 / 21
Width 25.86 ± 9.25
Area 1.2e+03 ± 1.2e+02
Sigma 5.65 ± 1.67.4
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 30.74 / 27
Width 29.71 ± 3.6
Area 1.6e+03 ± 7.3
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 30.74 / 27
Width 29.71 ± 3.6
Area 1.6e+03 ± 7.3
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 65.30 / 28
Width 21.29 ± 0.76
Area 1.6e+03 ± 2.0
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 65.30 / 28
Width 21.29 ± 0.76
Area 1.6e+03 ± 2.0
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 2.39 / 3
Width 34.56 ± 3.3
Area 180.4 ± 9.4
Sigma 4427.4 ± 4.2
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03
mip_slab4_chip15
Mean 29.0
Std Dev 10.2
χ² / ndf 29.70 / 28
Width 42.63 ± 0.30
Area 1060.6 ± 58.2
Sigma 1.2e+03 ± 1.2e+03