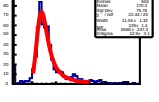
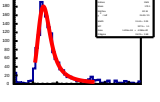
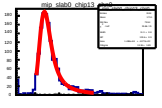
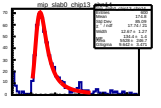
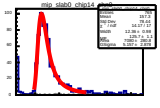
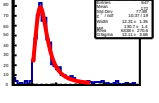

mip_slab0_chip12_ch0
Entries 2000
Mean 75.21
RMS 22.67/.23
Width 11.66 ± 1.30
MPV 75.00 ± 0.11
Area 9889.5 ± 247.5
Chi2/ndf 18.0 / 11

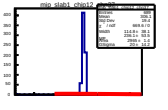

mip_slab0_chip12_ch0
Entries 2000
Mean 41.17
RMS 14.07
Width 7.00 ± 0.17
MPV 40.00 ± 0.07
Area 1400.0 ± 49.0
Chi2/ndf 1.0 / 1.0

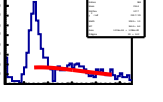

mip_slab0_chip13
Entries 1000
Mean 12.72
Mean x 12.72
Std Dev 1.127
Std Dev x 1.127
Integral 9.928e+ 268.7
Sigma 0.9424e+ 1.127

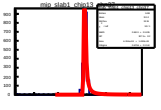

mip_slab0_chip13
Entries 1000
Mean 12.72
Mean x 12.72
Std Dev 1.127
Std Dev x 1.127
Integral 9.928e+ 268.7
Sigma 0.9424e+ 1.127

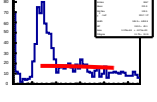

msp_slab0_chip14_adc
Entries 1000
Mean 39.12
RMS 12.15
χ² / ndf 14.17 / 13
Width 12.36 ± 0.93
MPV 37.01 ± 0.24
Area 7389 ± 240.8
Sigma 5.587 ± 0.49
100
80
60
40
20
0

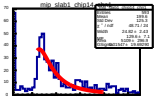

mip slab0 chip15 ped0
Entries 1000
Mean 2.77
RMS 2.77
χ² / ndf 11.37 / 15
Width 12.55 ± 1.36
MPV 2.00 ± 0.01
Area 6100 ± 29.5
Sigma 12.55 ± 1.36

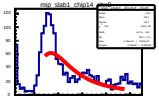

mip_slab1_chip12_strip3
Entries 1000
Mean 106.2
RMS 106.2
χ² / ndf 869.8 / 0
Prob 0
Constant 112.8 ± 38.1
Mean 236.1 ± 53.6
Sigma 29.4 ± 1.2
Integral 2944 ± 1.2
400
350
300
250
200
150
100
50
0

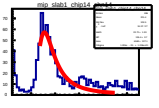

mip_slab1_chip12_strip4
Entries 1000
Mean 106.2
RMS 106.2
χ² / ndf 869.8 / 0
Prob 0
Constant 112.8 ± 38.1
Mean 236.1 ± 53.6
Sigma 29.4 ± 1.2
Integral 2944 ± 1.2
75
70
65
60
55
50
45
40
35
30
25
20
15

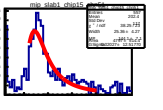

mip_slab1_chip13_chan2
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 1000.
Skewness 0.0
Kurtosis 0.0
Constant 1000.
Mean 0.0
Sigma 0.0
Constant ± error 1000. ± 0.0
Mean ± error 0.0 ± 0.0
Sigma ± error 0.0 ± 0.0

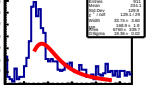

mip_slab1_chip13_chan2
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 1000.
Skewness 0.0
Kurtosis 0.0
Constant 1000.
Mean 0.0
Sigma 0.0
Constant ± error 1000. ± 0.0
Mean ± error 0.0 ± 0.0
Sigma ± error 0.0 ± 0.0

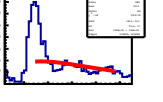

mip slab1 chip14 chan1
Entries 1000
Mean 129.1
Std Dev 123.3
χ² / ndf 49.72 / 14
p0 24.82 ± 2.24
MPV 126.6 ± 7.1
Width 17.01 ± 0.59
Integral 14.09e+03

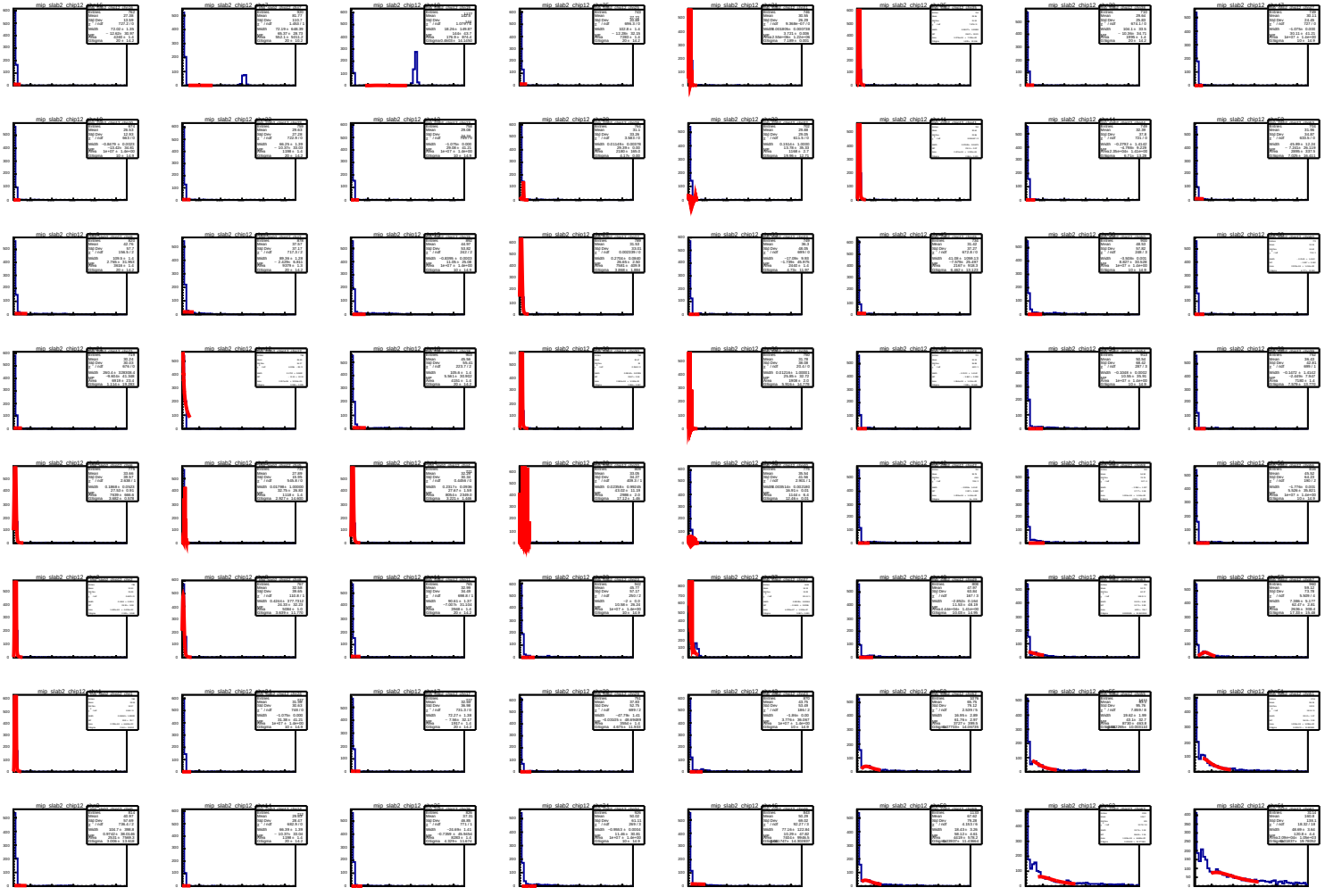

mip slab1 chip14 chan2
Entries 1000
Mean 151.1
Std Dev 143.8
χ² / ndf 1.e+03 / 14
p0 1.e+03 ± 1.e+03
MPV 1.e+03 ± 1.e+03
Width 1.e+03 ± 1.e+03
Integral 1.e+03 ± 1.e+03

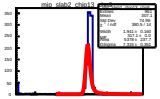

mip slab1 chip14 chan3
Entries 1000
Mean 97.1
Std Dev 91.1
χ² / ndf 31.71 / 14
p0 24.82 ± 2.24
MPV 126.6 ± 7.1
Width 17.01 ± 0.59
Integral 14.09e+03

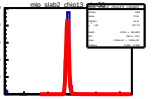

mip slab1 chip15 chan56
Entries 2917
Mean 38.29
Std Dev 7.83
χ / ndf 1.09 / 1
Constant 35.36 ± 0.27
MPV 38.25 ± 0.12
Sigma 2.95 ± 0.12
Prob 0.3000
χ2/ndf 32.32/29

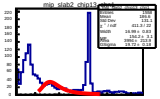

mip slab1 chip15 chan55
Entries 2911
Mean 33.64
Std Dev 10.64
χ / ndf 129.1 / 19
Constant 33.76 ± 3.40
MPV 29.61 ± 0.12
Sigma 6.782 ± 0.057
Prob 0.0000
χ2/ndf 39.96 / 22

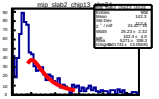

mip slab1 chip15 chan54
Entries 2911
Mean 34.47
Std Dev 9.74
χ / ndf 1.09 / 1
Constant 34.47 ± 0.27
MPV 34.47 ± 0.12
Sigma 2.95 ± 0.12
Prob 0.3000
χ2/ndf 32.32/29

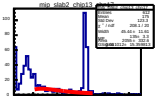


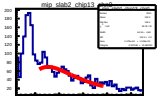

mip slab2 chip13 chan0

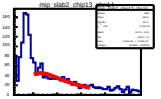

mip slab2 chip13 chan0

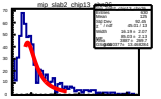

mip slab2 chip13 chan1

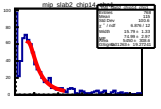

mip slab2 chip13 chan2

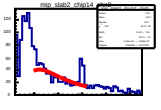

mip slab2 chip13 chan3

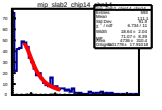

mip slab2 chip13 chan4

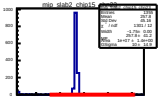

mip slab2 chip13 chan5

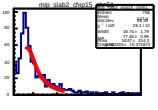

mip slab2 chip13 chan6

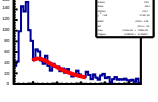

mip_slab2_chip14_chn1
Entries 1114
Mean 110
Std Dev 103.0
χ² / ndf 6.972 / 7
Constant 73.75 ± 3.33
MPV 70.99 ± 2.97
Sigma 10.01 ± 0.69
Integral 1114.000 ± 33.000

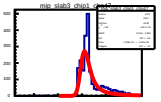

mip_slab2_chip14_chn2

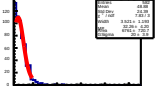

mip_slab2_chip14_chn3
Entries 1114
Mean 112.2
Std Dev 8.759 / 11
χ² / ndf
Constant 28.80 ± 2.24
MPV 17.00 ± 0.29
Sigma 2.700 ± 0.207
Integral 1114.000 ± 33.000

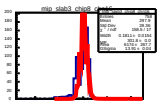

mip slab2 chip15 ch=13
Entries 1000
Mean 0.0
Std Dev 0.0
χ² / ndf 1381 / 0
Width -1.79± 0.01
Peak 77.81± 41.2
Area 14777 ± 0.0
Chisqrd 0.0 / 0.0

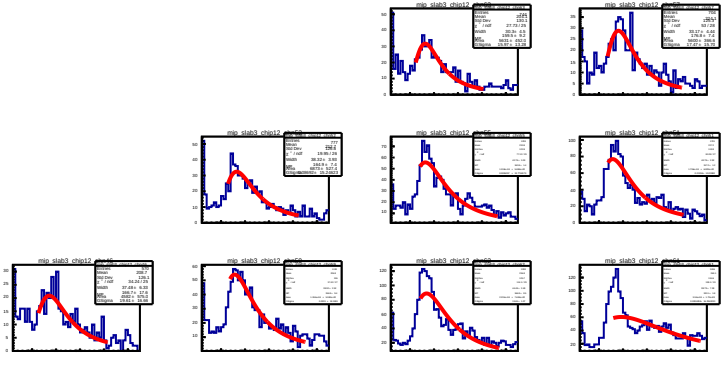

mip slab2 chip15 ch=14
Entries 1000
Mean 0.0
Std Dev 0.0
χ² / ndf 0 / 0
Width 10.70± 1.19
Peak 77.86± 0.96
Area 1000 ± 0.0
Chisqrd 0.0 / 0.0

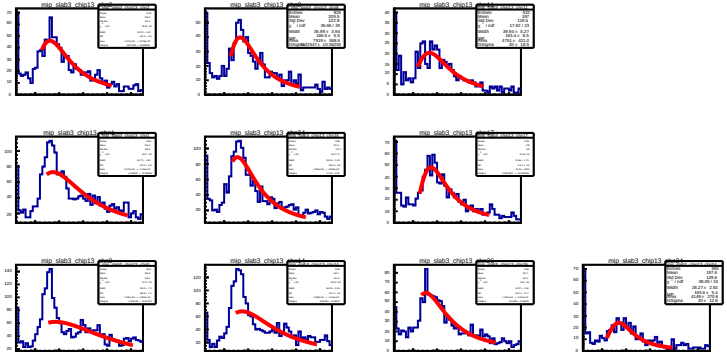

mip slab2 chip15 ch=15

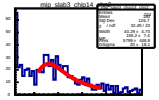

mip_slab3_chip1_chan3
Entries 10000
Mean 1.14
RMS 0.14
Mean x 1.14
RMS x 0.14
Mean y 1.06e+03
RMS y 1.06e+03
Entries 10000

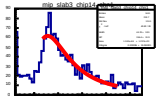

mip_slab3_chip1_chan3
Entries 10000
Mean 1.14
RMS 0.14
Mean x 1.14
RMS x 0.14
Mean y 1.06e+03
RMS y 1.06e+03
χ² / ndf 7.82 / 5
Width 3.323 ± 3.183
Mean 1.141 ± 0.000
Sigma 0.014 ± 0.000
Integral 10 ± 0.0

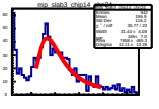

msp_slab3_chp8_c.ps/cf
Statistics of msp_slab3
Entries 297
Mean 28.36
Std Dev 1502.57
Underflow 0.1011e+ 0.1216e
Overflow 0.1011e+ 0.1216e
Total 0.2022e+ 0.2431e
Integral 19.91 ± 0.14
200
180
160
140
120
100
80
60
40
20
0

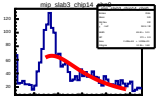

mip_slab3_chip12
Entries 2125
Mean 33.21
χ² / ndof 27.70 / 29
width 35.34 ± 0.5
MPV 139.6 ± 0.2
Area 2125 ± 0.0
Sigma 13.01 ± 13.18
mip_slab3_chip12
Entries 2124
Mean 33.21
χ² / ndof 53.12 / 28
width 33.17 ± 4.16
MPV 170.4 ± 7.4
Area 2124 ± 0.0
Sigma 17.27 ± 13.18
mip_slab3_chip12
Entries 2125
Mean 33.21
χ² / ndof 2.9 / 2
width 35.12 ± 3.95
MPV 230.9 ± 7.4
Area 2125 ± 0.0
Sigma 20.17 ± 13.18
mip_slab3_chip12
Entries 2125
Mean 33.21
χ² / ndof 2.9 / 2
width 35.12 ± 3.95
MPV 230.9 ± 7.4
Area 2125 ± 0.0
Sigma 20.17 ± 13.18
mip_slab3_chip12
Entries 2125
Mean 33.21
χ² / ndof 2.9 / 2
width 35.12 ± 3.95
MPV 230.9 ± 7.4
Area 2125 ± 0.0
Sigma 20.17 ± 13.18
mip_slab3_chip12
Entries 2125
Mean 33.21
χ² / ndof 2.9 / 2
width 35.12 ± 3.95
MPV 230.9 ± 7.4
Area 2125 ± 0.0
Sigma 20.17 ± 13.18
mip_slab3_chip12
Entries 2125
Mean 33.21
χ² / ndof 2.9 / 2
width 35.12 ± 3.95
MPV 230.9 ± 7.4
Area 2125 ± 0.0
Sigma 20.17 ± 13.18
mip_slab3_chip12
Entries 2125
Mean 33.21
χ² / ndof 2.9 / 2
width 35.12 ± 3.95
MPV 230.9 ± 7.4
Area 2125 ± 0.0
Sigma 20.17 ± 13.18

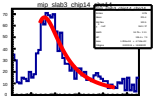

mip_slab3_chip13_chan1
mip_slab3_chip13_chan2
mip_slab3_chip13_chan3
mip_slab3_chip13_chan4
mip_slab3_chip13_chan5
mip_slab3_chip13_chan6
mip_slab3_chip13_chan7
mip_slab3_chip13_chan8
mip_slab3_chip13_chan9
mip_slab3_chip13_chan10
mip_slab3_chip13_chan11
mip_slab3_chip13_chan12

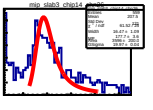

mip_slab3_chip14_strip1
Entries 29
Mean 33.17
Std Dev 32.187 ± 0.23
χ² / ndf 21.29 / 6.73
Width 105.2 ± 7.4
MPV 33.01 ± 0.45
Integral 99 ± 15.5


mip_slab3_chip14_strip2
Entries 100
Mean 34.41
Std Dev 34.41
χ² / ndf 1.0e+0 / 1.0e+0
Width 1.0e+0 ± 1.0e+0
MPV 1.0e+0 ± 1.0e+0
Integral 1.0e+0 ± 1.0e+0

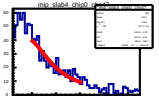

mip_slab3_chip14_strip3
Entries 100
Mean 33.17
Std Dev 110.2
χ² / ndf 1.0e+0 / 1.0e+0
Width 1.0e+0 ± 1.0e+0
MPV 33.43 ± 0.05
Integral 1.0e+0 ± 1.0e+0
Integral 7000 ± 0.0
Integral 22.01 ± 10.0

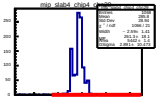

mip_slab3_chip14_strip4
Entries 100
Mean 34.41
Std Dev 34.41
χ² / ndf 1.0e+0 / 1.0e+0
Width 1.0e+0 ± 1.0e+0
MPV 1.0e+0 ± 1.0e+0
Integral 1.0e+0 ± 1.0e+0

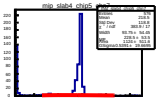

mip_slab3_chip14_strip5
Entries 100
Mean 34.41
Std Dev 34.41
χ² / ndf 1.0e+0 / 1.0e+0
Width 1.0e+0 ± 1.0e+0
MPV 1.0e+0 ± 1.0e+0
Integral 1.0e+0 ± 1.0e+0

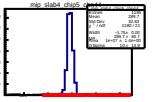

mip_slab3_chip14_strip6
Entries 2272
Mean 61.62
Std Dev 61.62
χ² / ndf 38.47 ± 1.26
Width 19.97 ± 0.21
MPV 3999 ± 100.0
Integral 19.97 ± 0.21

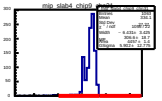
mip slab3 chip15
mip slab3 chip15
mip slab3 chip15

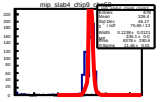

mip_slab4_chip0_chan0
Entries 1000
Mean 1.000
Mean x 1.000
Std Dev 0.000
Std Dev x 0.000
Integral 1000.000
Skewness 0.000
Skewness x 0.000
Kurtosis 0.000
Kurtosis x 0.000
Underflow 0.000
Overflow 0.000
Underflow x 0.000
Overflow x 0.000
Total 1000.000
Total x 1.000

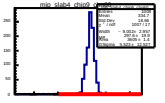

mip slab4 cpb4 ptm20
Entries 2000
Mean 261.4
Std Dev 28.90
χ / ndf 1.08
p0 2.00e+ 3 ± 1.4%
Mean 261.5 ± 0.1
Sigma 2.9150 ± 0.0
Integral 2.0000e+ 3 ± 0.0
300
250
200
150
100
50
0

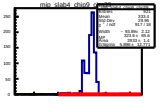

mip slab4 chip5 chan5
Entries 1000
Mean 1101.8
Std Dev 110.8
χ2 / ndf 389.9 / 17
width 91.76 ± 94.26
Prob 0.000
MPV 1101.1 ± 0.5
Integral 6441.1 ± 0.0

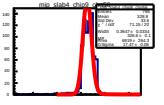

mip slab4 chip5 chan6
Entries 1000
Mean 1187.3
Std Dev 200.0
χ2 / ndf 1187.3 / 1
width 1.79 ± 0.00
Prob 0.000
MPV 1187.3 ± 0.0
Integral 14×10^27 ± 1.4×10^22

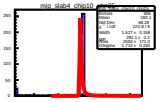

mip_slab4_chip0_chan1

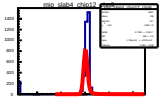

mip_slab4_chip0_chan2

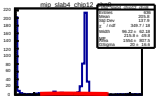

mip_slab4_chip0_chan3

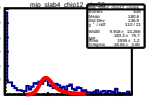

mip_slab4_chip0_chan4

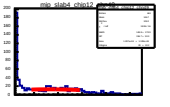

mip_slab4_chip0_chan5

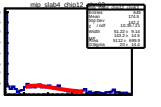

mip_slab4_chip12_ped_05
Entries 2600
Mean 99.78
Std Dev 22.978
χ² / ndf 1.327 / 0.318
Width 1.327 ± 0.318
Mean 2002 ± 0.12
Sigma 7.724 ± 0.12
300
250
200
150
100
50
0

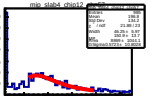

mip_slab4_chip12_ch56
Entries 1000
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0
Width 0.0
Area 0.0
Mean 0.0
Sigma 0.0

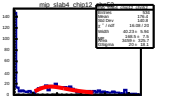

mip_slab4_chip12_ch56
Entries 1000
Mean 2017.4
Std Dev 2.0
χ² / ndf 349.7 / 18
Width 99.22 ± 10.14
Area 2115.8 ± 20.4
Mean 1999.8 ± 0.1
Sigma 10.1 ± 0.1

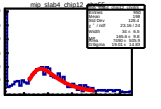

mip_slab4_chip12_ch56
Entries 1000
Mean 1900.8
Std Dev 1.0
χ² / ndf 112 / 21
Width 9.908 ± 19.300
Area 1000.0 ± 0.0
Mean 1999.1 ± 1.2
Sigma 12.0 ± 0.8

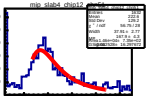

mip_slab4_chip12_ch56
Entries 1000
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0
Width 0.0
Area 0.0
Mean 0.0
Sigma 0.0

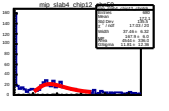

mip_slab4_chip12_ch56
Entries 1000
Mean 1974.5
Std Dev 10.2
χ² / ndf 10.2 / 6
Width 51.22 ± 9.14
Area 1122.2 ± 14.9
Mean 1974.1 ± 0.3
Sigma 10.2 ± 0.2

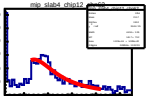

mip_slab4_chip12_ch56
Entries 1000
Mean 1900.8
Std Dev 1.0
χ² / ndf 23.88 / 18
Width 85.25 ± 9.97
Area 1997.0 ± 21.1
Mean 1999.8 ± 0.1
Sigma 10.0 ± 0.1

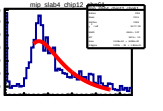

mip_slab4_chip12_ch56
Entries 1000
Mean 1900.8
Std Dev 1.0
χ² / ndf 140.8
Width 0.0
Area 40.15 ± 9.46
Mean 1900.9 ± 0.5
Sigma 10.0 ± 0.1

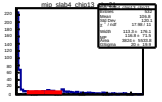

mip_slab4_chip12_ch56
Entries 1000
Mean 1900.8
Std Dev 1.0
χ² / ndf 23.2 / 6
Width 30.4 ± 6.6
Area 1005.6 ± 9.6
Mean 1900.8 ± 0.2
Sigma 10.0 ± 0.0

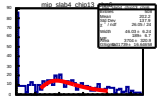

mip_slab4_chip12_ch56
Entries 1000
Mean 1900.8
Std Dev 1.0
χ² / ndf 122.2 / 18
Width 129.2 ± 2.7
Area 1000.0 ± 0.0
Mean 1997.8 ± 0.3
Sigma 10.0 ± 0.0

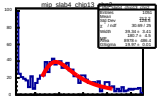

mip_slab4_chip12_ch56
Entries 1000
Mean 1974.5
Std Dev 17.0
χ² / ndf 17.0 / 21
Width 37.19 ± 9.32
Area 1000.0 ± 0.0
Mean 2000.0 ± 0.8
Sigma 11.0 ± 1.0

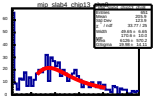

mip_slab4_chip12_ch56
Entries 0
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0
Width 0.0
Area 0.0
Mean 0.0
Sigma 0.0

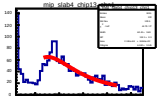

mip_slab4_chip12_ch56
Entries 0
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0
Width 0.0
Area 0.0
Mean 0.0
Sigma 0.0

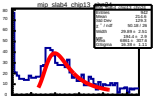

mip slab4 chip13 strip15
Entries 1000
Mean 100.8
Std Dev 17.1
χ² / ndf 17.1 / 14
Prob 0.2
Constant 1000.0 ± 31.6
Mean 100.8 ± 0.5
Sigma 17.1 ± 0.4

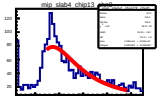

mip slab4 chip13 strip16
Entries 1000
Mean 203.2
Std Dev 27.7
χ² / ndf 26.25 / 20
Prob 0.1
Constant 1000.0 ± 31.6
Mean 203.2 ± 0.9
Sigma 27.7 ± 0.8

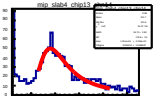

mip slab4 chip13 strip17
Entries 1000
Mean 224.8
Std Dev 30.68
χ² / ndf 29.16 / 21
Prob 0.1
Constant 1000.0 ± 31.6
Mean 224.8 ± 0.9
Sigma 30.68 ± 0.8

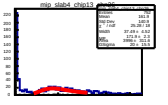

mip slab4 chip13 strip18
Entries 1000
Mean 203.4
Std Dev 33.77
χ² / ndf 49.69 / 19
Prob 0.3
Constant 1000.0 ± 31.6
Mean 203.4 ± 1.1
Sigma 33.77 ± 1.0

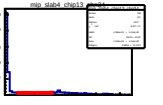

mip slab4 chip13 strip19
Entries 1000
Mean 192.4
Std Dev 129.3
χ² / ndf 25.84 / 24
Prob 0.3
Constant 1000.0 ± 31.6
Mean 192.4 ± 2.9
Sigma 129.3 ± 2.1

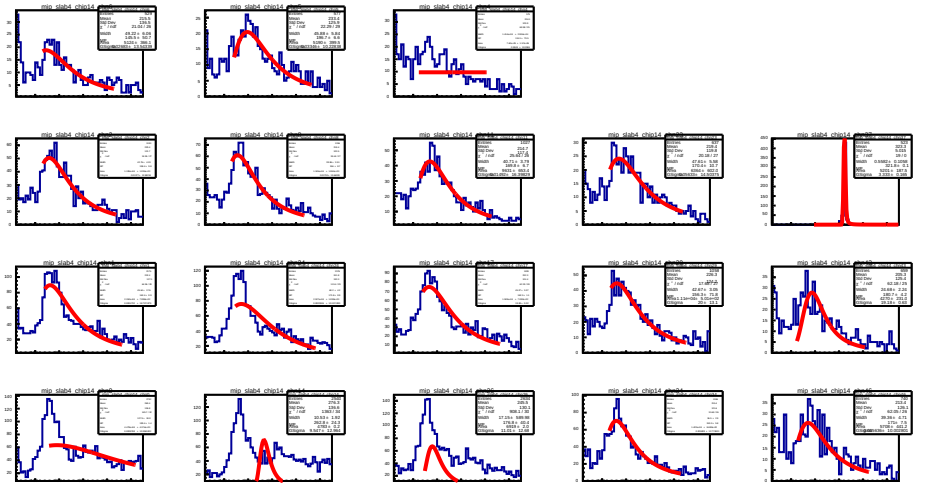

mip slab4 chip13 strip20
Entries 1000
Mean 212.4
Std Dev 125.3
χ² / ndf 29.84 / 24
Prob 0.2
Constant 1000.0 ± 31.6
Mean 212.4 ± 2.8
Sigma 125.3 ± 2.0

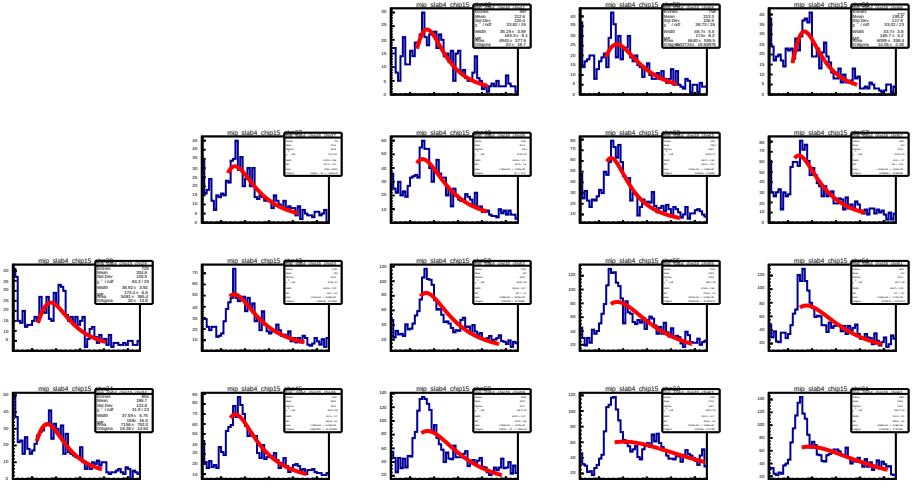

mip slab4 chip13 strip21
Entries 1000
Mean 192.4
Std Dev 107.8
χ² / ndf 34.77 / 24
Prob 0.1
Constant 1000.0 ± 31.6
Mean 192.4 ± 2.4
Sigma 107.8 ± 1.7


mip slab4 chip13 strip22
Entries 1000
Mean 181.0
Std Dev 75.7
χ² / ndf 25.87 / 18
Prob 0.1
Constant 1000.0 ± 31.6
Mean 181.0 ± 1.7
Sigma 75.7 ± 1.2


mip slab4 chip13 strip23
Entries 1000
Mean 160.8
Std Dev 25.87
χ² / ndf 37.49 / 22
Prob 0.2
Constant 1000.0 ± 31.6
Mean 160.8 ± 0.8
Sigma 25.87 ± 0.6


mip slab4 chip13 strip24
Entries 1000
Mean 29.1
Std Dev 5.4
χ² / ndf 0.0 / 0
Prob 0.0
Constant 1000.0 ± 31.6
Mean 29.1 ± 0.1
Sigma 5.4 ± 0.1

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