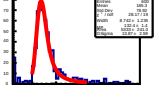
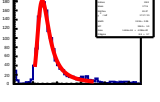
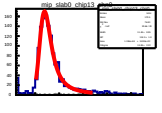
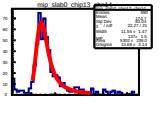
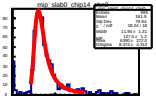
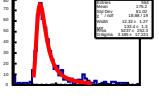

mip slab0 chip12 channel0
Entries 1000
Mean 28.02
RMS 28.62
χ² / ndf 28.37 / 19
Width 8.742 ± 1.236
MPV 26.01 ± 0.7
Area 6320 ± 243.0
Sigma 13.87 ± 0.6

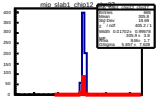

mip slab0 chip12 channel1

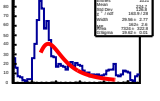

mip_slab0_chip13
Entries 1000
Mean 11.51
Mean x 22.27 ± 0.07
Width 11.93 ± 1.17
Sigma 0.527 ± 0.011
Integral 13.68 ± 1.14

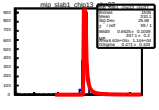

mip_slab0_chip13
Entries 1000
Mean 11.51
Mean x 22.27 ± 0.07
Width 11.93 ± 1.17
Sigma 0.527 ± 0.011
Integral 13.68 ± 1.14

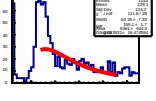

msp_slab0_chip14_adc
Entries 1000
Mean 39.14
RMS 12.05
χ² / ndf 18.23 / 18
Width 13.66 ± 3.31
Peak 1.000 ± 0.000
Mean 0.0001 ± 0.012
Sigma 0.701 ± 0.011
80
70
60
50
40
30
20
10
0

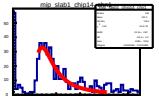

mip slab0 chip15 gain0
Entries 1700
Mean 1.52
Underflow 0
Overflow 0
χ² / ndf 16.80 / 19
Width 12.50 ± 1.17
Sigma 5.307 ± 0.553
MPV 5227 ± 26.5
Magnitude 3.185 ± 0.134

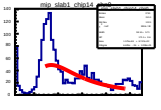

mip_slab1_chip12_strip2
Entries 1000
Mean 33.8
Std Dev 3.14
χ² / ndf 438.2 / 1
Const 0.11762 ± 0.00078
MPV 335.0 ± 3.0
Sigma 1.000 ± 0.010
400
350
300
250
200
150
100
50
0

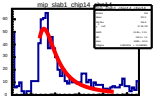

mip_slab1_chip12_strip2
Entries 1000
Mean 33.8
Std Dev 3.14
χ² / ndf 110.9 / 28
Width 29.50 ± 17.7
MPV 33.0 ± 0.5
MPV 70.07 ± 0.01
Sigma 29.02 ± 0.1
70
65
60
55
50
45
40
35
30
25
20

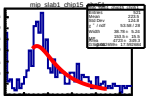

mip slab1 chip13 chan2
Entries 1000
Mean 0.0147
RMS 0.0147
Underflow 0
Overflow 0
Integral 1000
Constant 0.8425± 0.3000
Mean 307.1± 0.2
Sigma 0.0147± 0.0000
Chi2/ndf 0.0 / 0
Constant 0.0± 0.0
Mean 0.0± 0.0
Sigma 0.0± 0.0
900
800
700
600
500
400
300
200
100
0

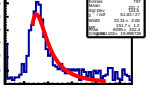

mip slab1 chip13 chan3
Entries 1000
Mean 111.8
RMS 7.20
Underflow 0
Overflow 0
Integral 1000
Constant 111.8± 7.20
Mean 0.0± 0.0
Sigma 0.0± 0.0
Chi2/ndf 0.0 / 0
Constant 0.0± 0.0
Mean 0.0± 0.0
Sigma 0.0± 0.0
70
60
50
40
30
20
10
0

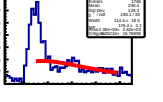

mip slab1 chip14 strip1
Entries 1000
Mean 0.4
RMS 0.2
Mean x 0.4
RMS x 0.2
Mean y 0.4
RMS y 0.2
Constant 0.0000 ± 0.0000
Mean 0.4 ± 0.0
Sigma 0.1 ± 0.0
Landau - scaled
Sigma 0.1 ± 0.0
0
10
20
30
40
50

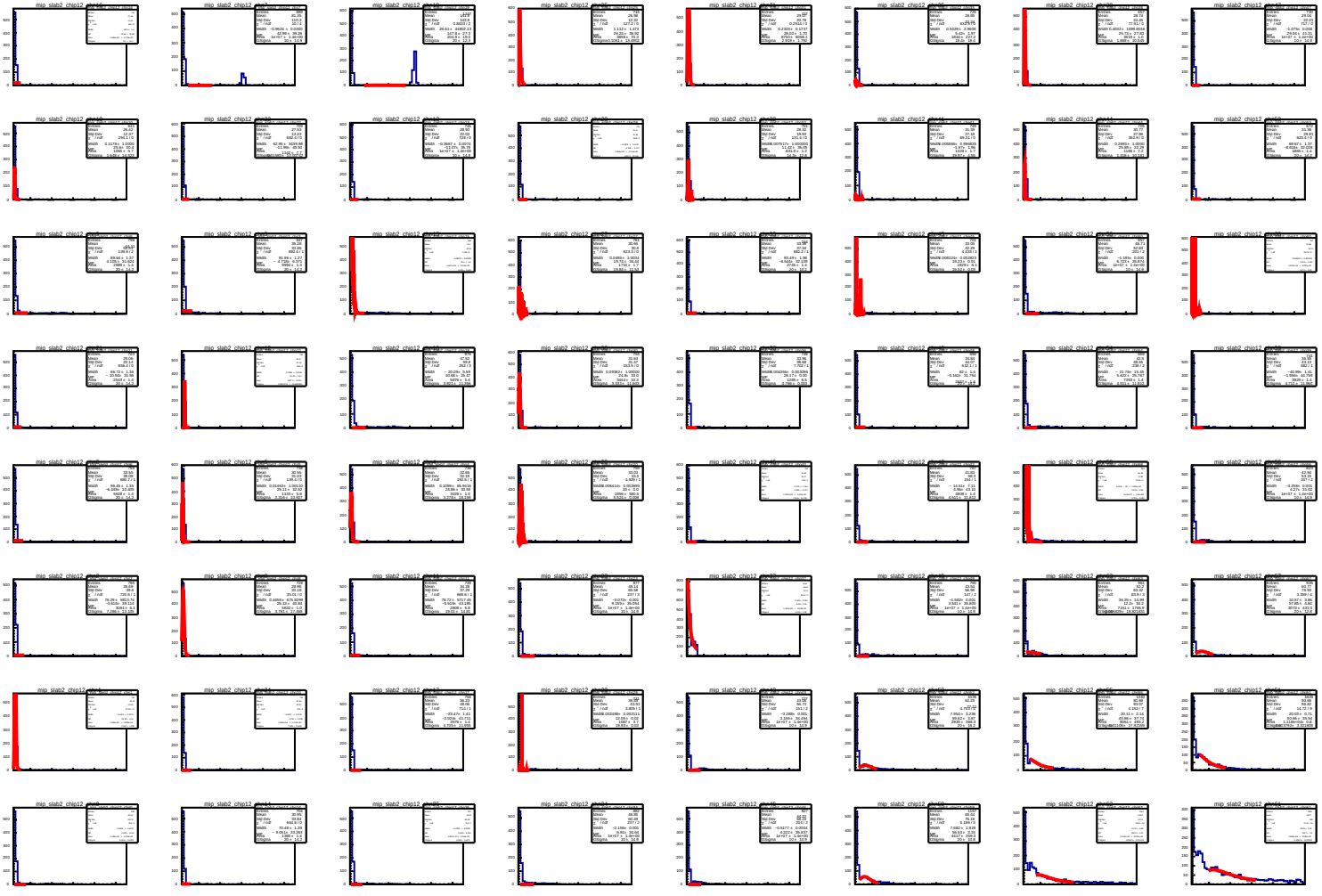

mip slab1 chip14 strip2
Entries 1000
Mean 0.4
RMS 0.2
Mean x 0.4
RMS x 0.2
Mean y 0.4
RMS y 0.2
Constant 0.0000 ± 0.0000
Mean 0.4 ± 0.0
Sigma 0.1 ± 0.0
Landau - scaled
Sigma 0.1 ± 0.0
0
20
40
60
80
100
120
140

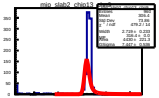

mip slab1 chip14 strip3
Entries 1000
Mean 0.4
RMS 0.2
Mean x 0.4
RMS x 0.2
Mean y 0.4
RMS y 0.2
Constant 0.0000 ± 0.0000
Mean 0.4 ± 0.0
Sigma 0.1 ± 0.0
Landau - scaled
Sigma 0.1 ± 0.0
0
5
10
15
20
25
30
35
40
45
50

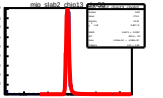

mip slab1 chip15 chn56
Entries 1024
Mean 102.1
Std Dev 12.8
χ² / ndf 9.16 / 6
Width 10.78 ± 0.26
MPV 102.9 ± 15.5
Area 47.0 ± 0.60
Sigma(MPV) 7.7 ± 0.0003

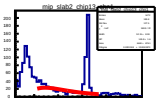

mip slab1 chip15 chn55
Entries 1024
Mean 51.1
Std Dev 8.1
χ² / ndf 51.82 / 27
Width 22.31 ± 2.05
MPV 51.8 ± 1.1
Area 1599 ± 115.4
Sigma(MPV) 14.6 ± 0.6

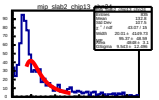

mip slab1 chip15 chn54
Entries 1024
Mean 116.1
Std Dev 18.7
χ² / ndf 116.17 / 10
Width 114.0 ± 16.9
MPV 116.7 ± 1.1
Area 3.8e+05 ± 2.7
Sigma(MPV) 16.7 ± 0.1

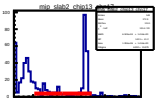


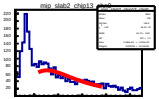

mip slab2 chip13 chan0
Entries 3916
Mean 2.726
Std Dev 0.7127
χ2 / ndf 679.7 / 14
Constant 2.728 ± 0.230
Mean 2.006 ± 0.0
Sigma 0.4127 ± 0.016
Integral 1.027 ± 0.016

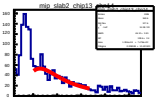

mip slab2 chip13 chan1

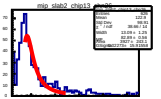

mip slab2 chip13 chan4

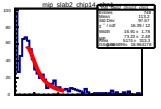

mip slab2 chip13 chan8
Entries 1127
Mean 1.177
Std Dev 0.7116
χ2 / ndf 1.1
Constant 20.01 ± 0.619
Mean 0.9372 ± 0.0
Sigma 0.5425 ± 0.0
Integral 0.5425 ± 0.0

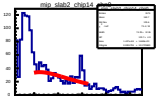

mip slab2 chip13 chan12

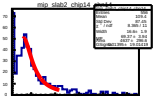

mip slab2 chip13 chan5

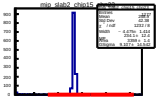

mip slab2 chip13 chan9

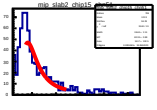

mip slab2 chip13 chan13
Entries 1000
Mean 1.02
Std Dev 0.7
χ2 / ndf 39.98 / 12
Constant 13.09 ± 1.29
Mean 0.9 ± 0.0
Sigma 0.6977 ± 0.0
Integral 0.0227 ± 0.0

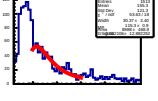

mip_slab2_chip14_chn1
Entries 10000
Mean 33.17
Std Dev 37.37
χ² / ndf 16.32 / 7
Constant 24.91 ± 3.16
Mean 73.22 ± 2.28
Sigma 11.71 ± 0.73
Integral 24.91 ± 3.16

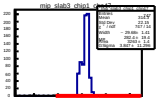

mip_slab2_chip14_chn2
Entries 10000
Mean 34.7
Std Dev 34.7
χ² / ndf 11.74 / 6
Constant 1.01 ± 0.01
Mean 0.0000 ± 0.0000
Sigma 0.0000 ± 0.0000

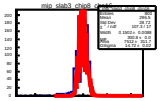

mip_slab2_chip14_chn3
Entries 10000
Mean 10.17
Std Dev 10.17
χ² / ndf 8.385 / 11
Width 10.04 ± 1.0
Mean 88.35 ± 0.9
Area 4327 ± 208.5
Integral 4327.1 ± 208.5

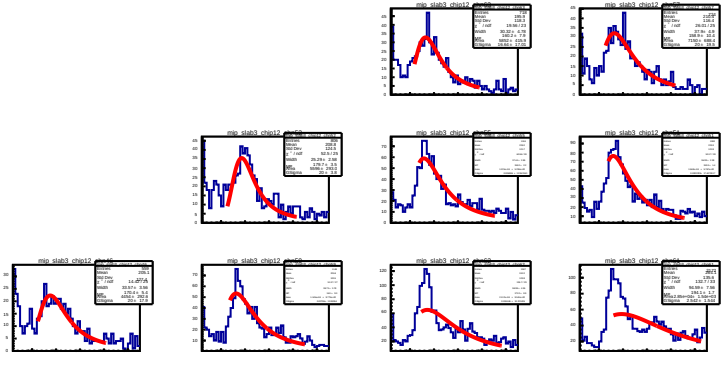

mip slab2 chip15 chan15
Entries 1847
Mean 1.000
Std Dev 0.0
χ² / ndf 1202 / 0
Width -0.0796 ± 0.01
Peak 2918 ± 12.4
Mean 1.000 ± 0.000
Integral 4.1270 ± 0.015

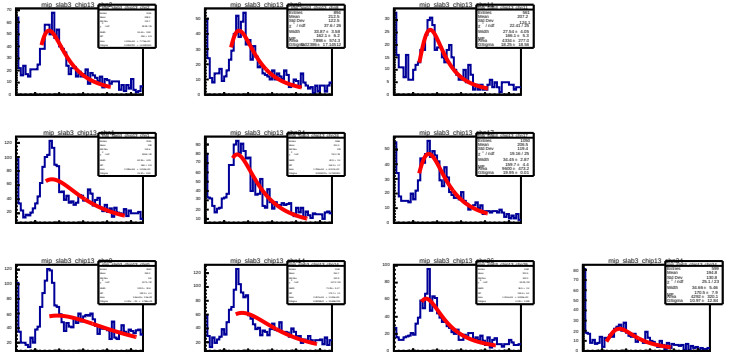

mip slab2 chip15 chan16

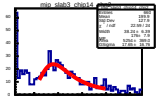

mip slab2 chip15 chan18
Entries 1847
Mean 1.000
Std Dev 0.0
χ² / ndf 52.837 / 15
Width 30.37 ± 2.45
Peak 2918 ± 12.4
Mean 2000 ± 100.5
Integral 57.0 ± 0.0

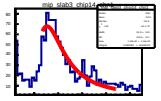

mip_slab3_chip1_chan3
Entries 1000
Mean 1.07
Std Dev 22.75
χ² / ndf 317.74
Width 2.08 ± 1.12
Peak 2000 ± 3.5
Mean 1.07 ± 0.72
Sigma 2.447 ± 0.15

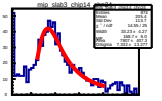

msp_slab3_chip8_ch14
Statistics
Entries 29
Mean 29.22
RMS 27.17
Mean x 0.1953e-01 0.1538e-01
RMS x 0.1000 0.1000
Mean y 15.17 15.17
RMS y 14.72 14.72
200
180
160
140
120
100
80
60
40
20
0

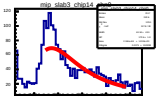

mip_slab3_chip12_strip52
Entries 1024
Mean 20.1
Std Dev 10.1
χ² / ndof 19.58 / 23
Width 20.32 ± 0.79
MPV 168.2 ± 7.8
Area 1.000 ± 0.000
Sigma 18.66 ± 17.02
mip_slab3_chip12_strip53
Entries 1024
Mean 20.1
Std Dev 10.1
χ² / ndof 26.01 / 21
Width 27.76 ± 0.9
MPV 198.9 ± 15.2
Area 1.000 ± 0.000
Sigma 19.81 ± 18.8
mip_slab3_chip12_strip54
Entries 1024
Mean 20.1
Std Dev 10.1
χ² / ndof 25.24 / 21
Width 2.76 ± 0.6
MPV 9.88 ± 20.8
Sigma 2.1 ± 0.1
mip_slab3_chip12_strip55
mip_slab3_chip12_strip56
mip_slab3_chip12_strip57
Entries 1024
Mean 20.1
Std Dev 10.1
χ² / ndof 14.07 / 19
Width 33.67 ± 3.96
MPV 1.000 ± 0.000
Area 6.00 ± 265.8
Sigma 20 ± 0.0
mip_slab3_chip12_strip58
mip_slab3_chip12_strip59
mip_slab3_chip12_strip60
mip_slab3_chip12_strip61
Entries 1024
Mean 20.1
Std Dev 10.1
χ² / ndof 115.77 / 21
Width 56.58 ± 7.56
MPV 1.000 ± 0.000
Area 1.000 ± 0.000
Sigma 2.54 ± 0.12

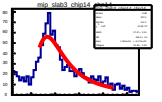

mip_slab3_chip13_chan1
mip_slab3_chip13_chan2
mip_slab3_chip13_chan3
mip_slab3_chip13_chan4
mip_slab3_chip13_chan5
mip_slab3_chip13_chan6
mip_slab3_chip13_chan7
mip_slab3_chip13_chan8
mip_slab3_chip13_chan9
mip_slab3_chip13_chan10
mip_slab3_chip13_chan11
mip_slab3_chip13_chan12

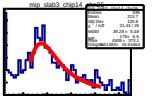

mip_slab3_chip14_chan0
Entries 1000
Mean 223.8
Std Dev 22.67
χ² / ndf 22.587 / 24
Width 28.22 ± 0.29
Peak 7.4 ± 7.4
MPV 217.6 ± 0.6
Integral 17.81 ± 15.16

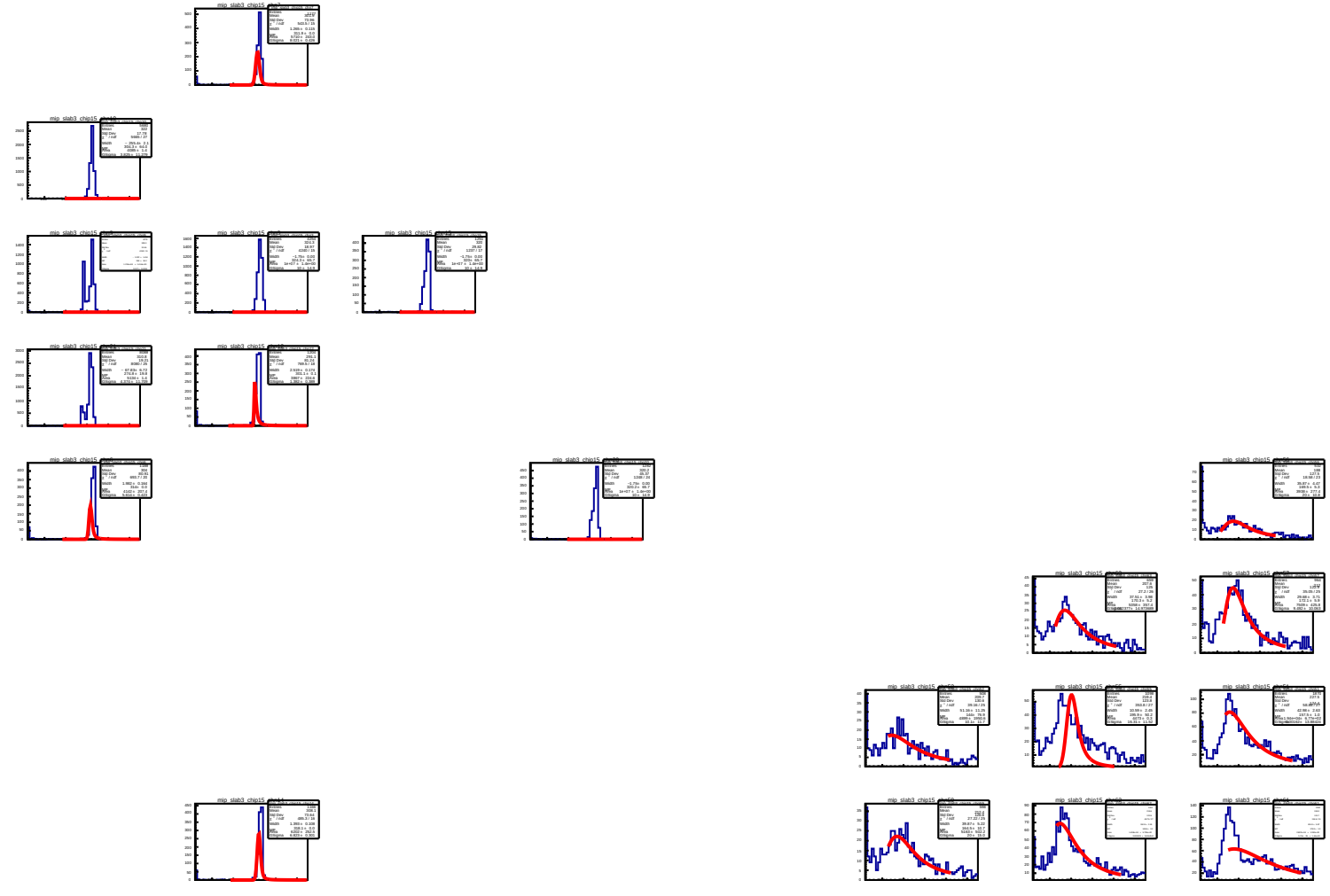

mip_slab3_chip14_chan1
Entries 1000
Mean 224.4
Std Dev 13.5
χ² / ndf 33.231 / 27
Width 33.23 ± 0.25
MPV 198.7 ± 0.3
Integral 7.0027 ± 0.0077

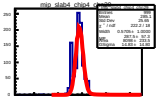

mip_slab3_chip14_chan2
Entries 1000
Mean 202.4
Std Dev 11.5
χ² / ndf 33.231 / 27
Width 33.23 ± 0.25
MPV 198.7 ± 0.3
Integral 7.0027 ± 0.0077

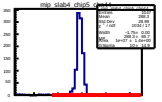

mip_slab3_chip14_chan3
Entries 1000
Mean 224.4
Std Dev 13.5
χ² / ndf 33.231 / 27
Width 33.23 ± 0.25
MPV 198.7 ± 0.3
Integral 7.0027 ± 0.0077

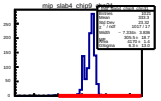

mip_slab3_chip14_chan4
Entries 1000
Mean 224.4
Std Dev 13.5
χ² / ndf 33.231 / 27
Width 33.23 ± 0.25
MPV 198.7 ± 0.3
Integral 7.0027 ± 0.0077

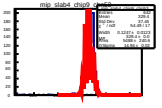

mip_slab3_chip14_chan5
Entries 1000
Mean 224.4
Std Dev 13.5
χ² / ndf 21.417 / 24
Width 39.29 ± 9.49
Peak 3.0 ± 3.0
MPV 208.9 ± 15.1
Integral 0.0033 ± 15.5.0.0.0

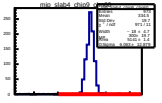

mip slab3 chip15
mip slab3 chip15
mip slab3 chip15

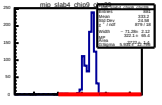

mip slab4 chip4 step0
Entries 2000
Mean 297.5
Std Dev 25.09
χ² / ndf 1.8e+05
Prob 0.0000
Const 1.000e+ 1.000e+0
Mean 297.5 ± 0.2 ±
Sigma 24.981 ± 0.143
Integral 19.981 ± 0.143
250
200
150
100
50
0

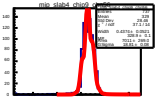

mip_slab4_chip5_chan4
Entries 1024
Mean 280.8
Std Dev 10.61
χ² / ndf 1021 / 17
Prob 0.000
Constant 1.75e+ 0.00
Mean 280.1 ± 0.3
Sigma 2.77 ± 0.24
Chi2/ndf 10.1 ± 0.9
350
300
250
200
150
100
50
0

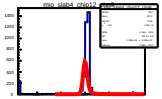

mip_slab4_chip2_chan24
Entries 2612
Mean 23.02
σ / ndf 1017 / 17
Peak - 7.31±0.3 3.836
Sigma 0.9±0.1 1.4
Area 15.9±1.1 12.6
Chi2/ndf 9.3 / 17.0


mip_slab4_chip2_chan25
Entries 3164
Mean 3164.9
Std Dev 1.1
σ / ndf 51.87 / 17
Peak 0.12±7.4 0.0123
Sigma 0.0±0.0 0.0
Area 5.0±0.1 3.8
Chi2/ndf 14.6 / 17.0


mip_slab4_chip2_chan26
Entries 3164
Mean 3164.9
Std Dev 1.1
σ / ndf 377.7 / 17
Peak -18 ± 4.2
Sigma 10.7 ± 1.1
Area 3.0±0.1 0.0
Chi2/ndf 0.0±0.0 0.0


mip_slab4_chip2_chan27
Entries 3164
Mean 3164.9
Std Dev 1.1
σ / ndf 2.0 / 17
Peak -71.28± 0.25
Sigma 102.1± 0.4
Area
Chi2/ndf 5.1/17.0 0.0


mip_slab4_chip2_chan28
Entries 3164
Mean 3164.9
Std Dev 1.1
σ / ndf 377.2 / 16
Peak 0.0±7.6 0.0017
Sigma 0.0±0.0 0.0
Area 3.0±1.0 2.0
Chi2/ndf 3.0±1.0 2.0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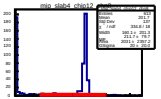
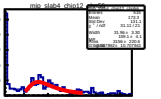
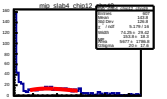

mip_slab4_chip12


mip_slab4_chip12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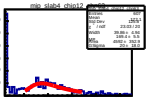
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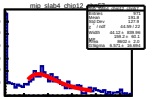
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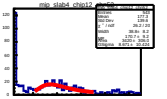
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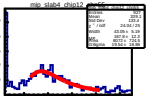
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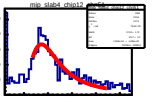
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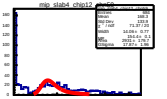
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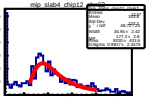
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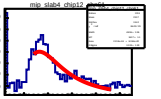
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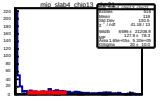
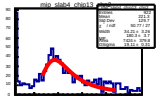
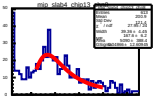
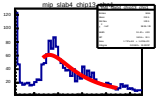
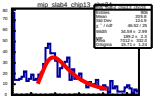
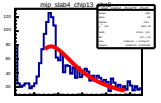

mip slab4 chip13 strip15
Entries 119
Mean 111.1
Std Dev 41.07 ± 2.97
χ² / ndf 6988.1 / 1
Width 117.4 ± 78.2
Mean 1.69e+05 ± 3.20e+05
Integral 20 ± 0.0

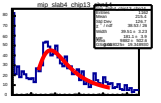

mip slab4 chip13 strip16
Entries 119
Mean 111.1
Std Dev 50.77 ± 2.17
χ² / ndf 34.22 ± 3.29
Width 180.2 ± 6.7
Mean 167.6 ± 5.2
Integral 13.11 ± 0.53

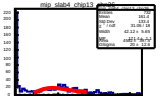

mip slab4 chip13 strip17
Entries 207.4
Mean 121.6
Std Dev 47.74 ± 2.49
χ² / ndf 35.58 ± 2.95
Width 180.2 ± 2.3
Mean 167.6 ± 2.1
Integral 29.21 ± 0.63

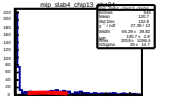

mip slab4 chip13 strip18
Entries 119
Mean 111.1
Std Dev 50.77 ± 2.17
χ² / ndf 34.22 ± 3.29
Width 180.2 ± 6.7
Mean 167.6 ± 5.2
Integral 13.11 ± 0.53

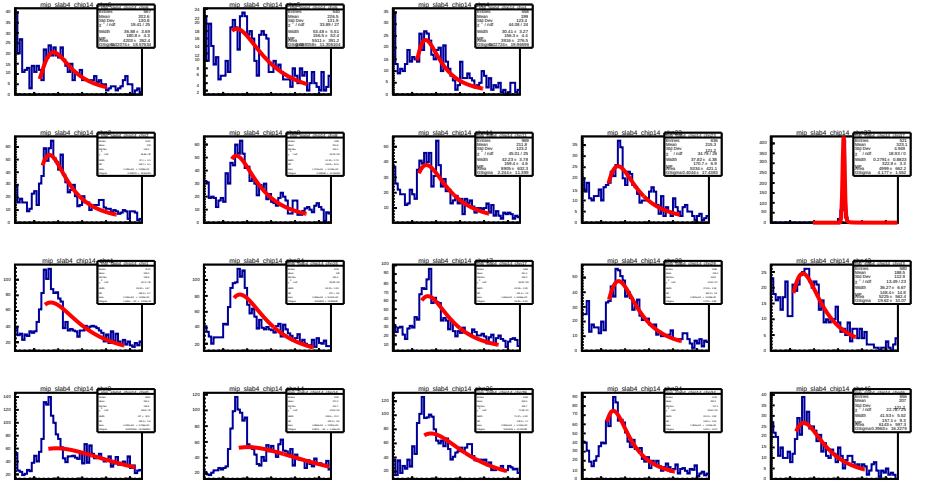

mip slab4 chip13 strip19
Entries 207.4
Mean 121.6
Std Dev 47.74 ± 2.49
χ² / ndf 35.58 ± 2.95
Width 180.2 ± 2.3
Mean 167.6 ± 2.1
Integral 29.21 ± 0.63

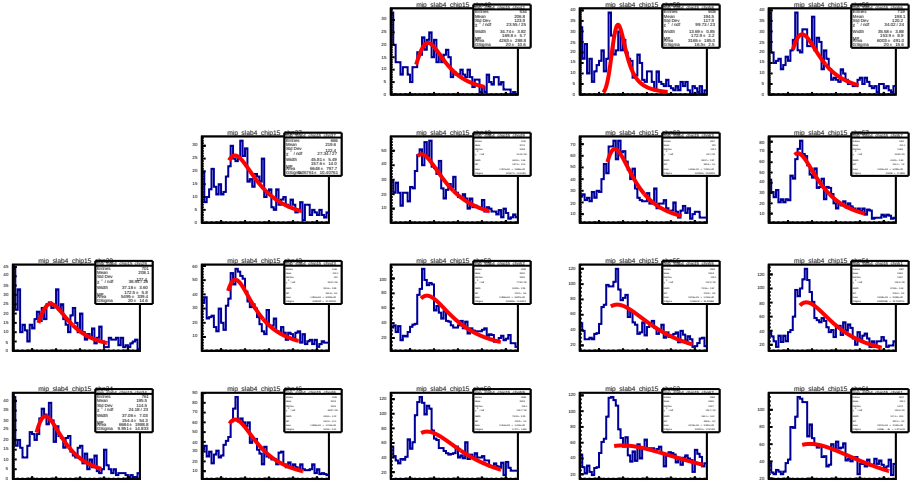

mip slab4 chip13 strip20
Entries 119
Mean 111.1
Std Dev 50.77 ± 2.17
χ² / ndf 34.22 ± 3.29
Width 180.2 ± 6.7
Mean 167.6 ± 5.2
Integral 13.11 ± 0.53


mip slab4 chip13 strip21
Entries 207.4
Mean 121.6
Std Dev 47.74 ± 2.49
χ² / ndf 35.58 ± 2.95
Width 180.2 ± 2.3
Mean 167.6 ± 2.1
Integral 29.21 ± 0.63


mip slab4 chip13 strip22
Entries 119
Mean 111.1
Std Dev 31.87 ± 1.8
χ² / ndf 32.12 ± 5.65
Width
Mean
Integral 20 ± 0.0


mip slab4 chip13 strip23
Entries 119
Mean 111.1
Std Dev 27.87 ± 1.5
χ² / ndf 39.29 ± 39.00
Width 20.00 ± 0.00
Mean 20.00 ± 0.0
Integral 20 ± 0.0




mip_slab4_chip15_chan29
mip_slab4_chip15_chan28
mip_slab4_chip15_chan27
mip_slab4_chip15_chan26
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mip_slab4_chip15_chan24
mip_slab4_chip15_chan23
mip_slab4_chip15_chan22
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mip_slab4_chip15_chan12
mip_slab4_chip15_chan11
mip_slab4_chip15_chan10
mip_slab4_chip15_chan9
mip_slab4_chip15_chan8
mip_slab4_chip15_chan7
mip_slab4_chip15_chan6
mip_slab4_chip15_chan5
mip_slab4_chip15_chan4
mip_slab4_chip15_chan3
mip_slab4_chip15_chan2
mip_slab4_chip15_chan1
mip_slab4_chip15_chan0