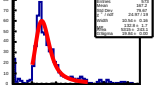
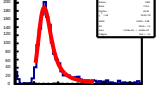
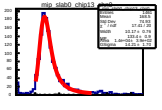
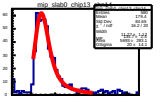
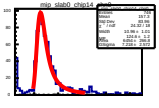
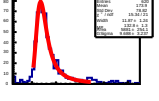

mip_slab0_chip12_ch0
Entries 1000
Mean 26.27
RMS 26.12
χ² / ndf 24.87 / 19
Width 10.56 ± 0.16
MPV 24.57 ± 0.12
Area 5530 ± 3.81 ±
Sigma 19.84 ± 0.12

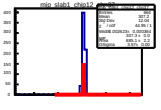

mip_slab0_chip12_ch0

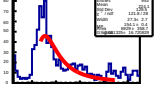

mip slab0 chip13 ped4
Entries 7996
Mean 18.61
RMS 3.615
χ² / ndf 17.41 / 19
Width 10.17 ± 0.79
MPV 17.47 ± 0.12
Area 1.4e+003 ± 5.9e+02
Sigma 13.21 ± 0.72

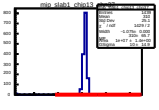

mip slab0 chip14 ped4
Entries 7996
Mean 19.62
RMS 3.615
χ² / ndf 16.2 / 15
Width 11.47 ± 1.23
MPV 18.7 ± 0.1
Area 9.6e+003 ± 3.6e+03
Sigma 15.4 ± 1.1

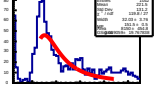

msp_slab0_chip14_adc
Entries 1000
Mean 39.12
RMS 19.18
χ² / ndf 24.87 / 19
Width 10.96 ± 1.21
MPV 39.00 ± 0.24
Area 9.001 ± 240.0
Sigma 7.228 ± 2.22
100
80
60
40
20
0

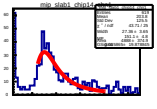

mip slab0 chip15 gain0
Entries 1000
Mean 3.52
Underflow 0
Overflow 0
χ² / ndf 11.37 / 7
Width 11.87 ± 1.16
Sigma 0.000 ± 0.000
MPV 5001 ± 24.1
Integral 8.666e + 3

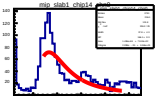

mip_slab1_chip12_chan32
Entries 1000
Mean 257.2
Std Dev 44.90
χ² / ndf 44.90 / 1
Prob 0.000000
Constant 307.0 ± 0.0
MPV 257.0 ± 0.0
Sigma 44.90 ± 0.00

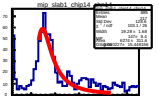

mip_slab1_chip12_chan32
Entries 1000
Mean 257.2
Std Dev 44.90
χ² / ndf 115.8 / 26
Prob 0.000000
Constant 37.3 ± 2.2
MPV 257.0 ± 0.0
Sigma 44.90 ± 0.00
Landau Integral 1.0 ± 0.0

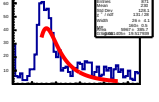

mip_slab1_chip13_chan2
Entries 1114
Mean 0.2
RMS 0.04
χ² / ndf 1429 / 2
Prob 0
Constant 0.2750 ± 0.1202
Mean 0.2000 ± 0.0007
Sigma 0.0400 ± 0.0007
Integral 24 ± 11.8

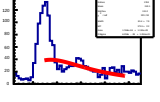

mip_slab1_chip13_chan1
Entries 1114
Mean 231.3
RMS 24.04
χ² / ndf 1197 / 17
Constant 32.03 ± 3.74
Mean 231.3 ± 0.7
Sigma 8.500 ± 0.6
Integral 24 ± 0.03
80
70
60
50
40
30
20
10
0

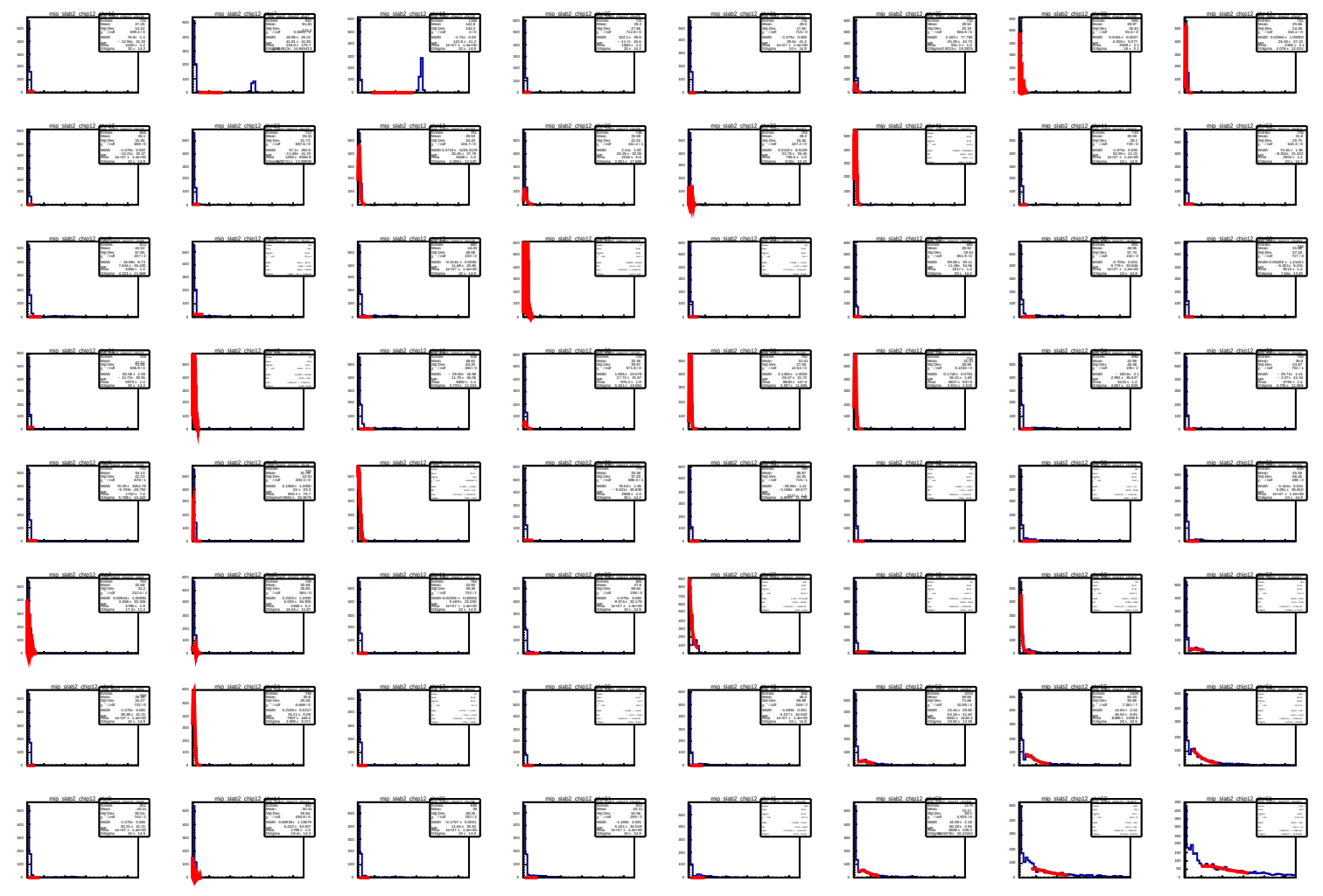

mip slab1 chip14 chnl
Entries 1000
Mean 193.1
Std Dev 125.5
χ² / ndf 43.12 / 19
Const 27.30 ± 3.01
MPV 151.0 ± 0.8
Width 19.28 ± 1.18
Integral 27.3 ± 0.3

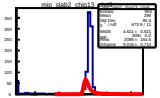

mip slab1 chip14 chnl
Entries 1000
Mean 193.1
Std Dev 125.5
χ² / ndf 43.12 / 19
Const 27.30 ± 3.01
MPV 151.0 ± 0.8
Width 19.28 ± 1.18
Integral 27.3 ± 0.3

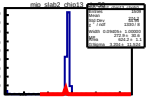

mip slab1 chip14 chnl
Entries 1000
Mean 193.1
Std Dev 125.5
χ² / ndf 43.12 / 19
Const 27.30 ± 3.01
MPV 151.0 ± 0.8
Width 19.28 ± 1.18
Integral 27.3 ± 0.3

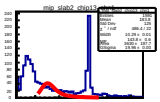

mip slab1 chip15 strip8
Entries 2121
Mean 124.1
RMS 12.01
χ² / ndf 142.7 / 28
Width 29.4 ± 0.1
MPV 124.7 ± 0.1
Area 2047.7 ± 105.7
Goodness 14.41%

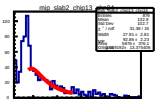

mip slab1 chip15 strip8

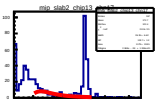


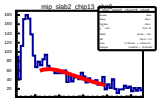

mip slab2 chip13 chan0
Entries 299
Mean 9.12
Std Dev 1.23
χ2 / ndf 499.0 / 14
Const 15.29 ± 0.51
Mean 5.63 ± 0.6
Sigma 0.79 ± 0.02
Integral 1978 ± 12.02

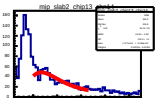

mip slab2 chip13 chan2
Entries 2254
Mean 1.03
Std Dev 0.03
χ2 / ndf 1320 / 16
Const 0.04431e+ 1.00000
Mean 27.0 ± 26.9
Sigma 0.02 ± 0.01
Integral 1.00 ± 0.01

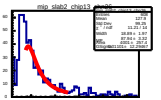

mip slab2 chip13 chan1
Entries 1112
Mean 1.12
Std Dev 1.23
χ2 / ndf 499.0 / 14
Const 15.29 ± 0.51
Mean 5.63 ± 0.6
Sigma 0.79 ± 0.02
Integral 1978 ± 12.02

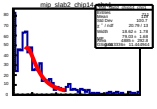

mip slab2 chip13 chan3
Entries 1127
Mean 1.12
Std Dev 1.12
χ2 / ndf 1.0 / 1
Const 27.91 ± 2.45
Mean 50.96 ± 2.73
Sigma 5.91 ± 0.01
Integral 1.00 ± 0.00

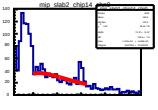

mip slab2 chip13 chan7
Entries 1127
Mean 1.12
Std Dev 1.12
χ2 / ndf 1.0 / 1
Const 0.00 ± 0.00
Mean 0.00 ± 0.00
Sigma 0.00 ± 0.00
Integral 0.00 ± 0.00

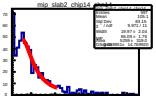

mip slab2 chip13 chan4
Entries 1127
Mean 1.12
Std Dev 1.12
χ2 / ndf 1.0 / 1
Const 0.00 ± 0.00
Mean 0.00 ± 0.00
Sigma 0.00 ± 0.00
Integral 0.00 ± 0.00

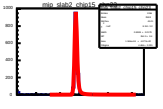

mip slab2 chip13 chan5
Entries 1127
Mean 1.12
Std Dev 1.12
χ2 / ndf 1.0 / 1
Const 0.00 ± 0.00
Mean 0.00 ± 0.00
Sigma 0.00 ± 0.00
Integral 0.00 ± 0.00

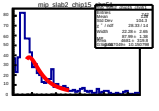

mip slab2 chip13 chan6
Entries 1127
Mean 1.12
Std Dev 1.12
χ2 / ndf 11.21 / 14
Const 18.89 ± 1.97
Mean 0.00 ± 0.00
Sigma 297.2 ± 297.2
Integral 12.21 ± 0.01

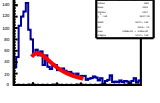

mip_slab2_chip14_chn1
Entries 237
Mean 303.7
Std Dev 20.03
χ² / ndf 15.71 / 9
Constant 19.43 ± 3.19
Mean 79.03 ± 3.89
Sigma 19.01 ± 2.03
Integral 14.00 ± 2.00

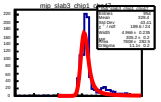

mip_slab2_chip14_chn2

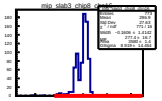

mip_slab2_chip14_chn3
Entries 1.0e4
Mean 33.13
χ² / ndf 9.07E+11
Width 19.97 ± 2.24
Sigma 1.00 ± 0.01
Area 5.00E+ 0.00 ±
Integral 14.00 ± 2.00

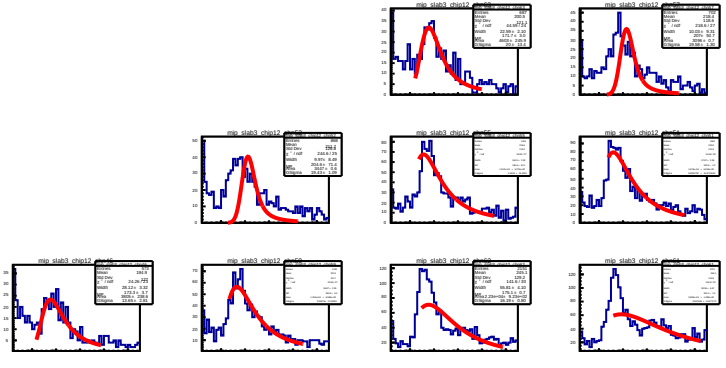

mip_slab2_chip15_chn15
Entries 2000
Mean 0.0000
Std Dev 0.0000
Underflow 0
Overflow 0
Integral 2000.0
Mean x -0.0000
Std Dev x 0.0000
Skewness x 0.0000
Kurtosis x 0.0000
Integral Error 0.0000

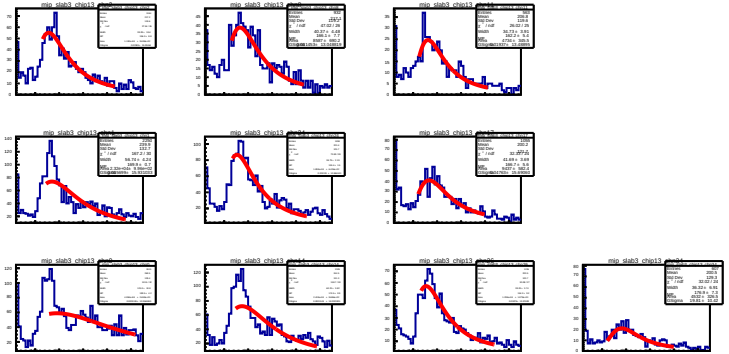

mip_slab2_chip15_chn15
Entries 2000
Mean 0.0000
Std Dev 310.2
χ² / ndf 2.34
Prob 0.0000
Mean 22.28 ± 2.55
Sigma 87.90 ± 1.36
Integral 2000.0 ± 0.0000
Integral Error 0.0000

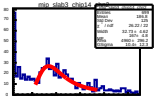

mip_slab2_chip15_chn15
Entries 2000
Mean 0.0000
Std Dev 0.0000
Underflow 0
Overflow 0
Integral 2000.0
Mean x -0.0000
Std Dev x 0.0000
Skewness x 0.0000
Kurtosis x 0.0000
Integral Error 0.0000

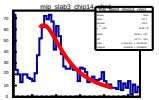

mip_slab3_chip1_chan3
Entries 1000
Mean 2.67
Std Dev 23.23
χ² / ndf 188.8 / 23
Width 0.0000 ± 0.2126
Sigma 0.0000 ± 0.0000
MPV 0.0000 ± 0.0000
Integral 1.000 ± 0.000

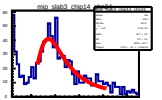

msp_slab3_chp6_c_slot2
Entries 1000
Mean 266.0
Std Dev 27.63
χ / ndf 771 / 64
Mean -0.3609 ± 0.6182
Sigma 0.9197 ± 0.4
Mean 266.1 ± 0.4
Sigma 8.919 ± 0.201
180
160
140
120
100
80
60
40
20
0

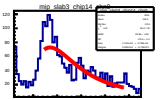

mip_slab3_chip12
Entries 1000
Mean 200.5
Std Dev 17.12
χ² / ndof 64.64 / 29
Width 22.99 ± 2.22
MPV 175.7 ± 3.0
Area 1712 ± 40.7
Sigma 20.1 ± 1.2
mip_slab3_chip12
Entries 1000
Mean 200.5
Std Dev 17.12
χ² / ndof 218.6 / 27
Width 32.23 ± 9.21
MPV 207.6 ± 30.1
Area 2712 ± 40.7
Sigma 19.58 ± 1.32
mip_slab3_chip12
Entries 1000
Mean 200.5
Std Dev 17.12
χ² / ndof
Width
MPV
Area
Sigma
mip_slab3_chip12
Entries 1000
Mean 200.5
Std Dev 17.12
χ² / ndof
Width
MPV
Area
Sigma
mip_slab3_chip12
Entries 1000
Mean 200.5
Std Dev 17.12
χ² / ndof
Width
MPV
Area
Sigma
mip_slab3_chip12
Entries 1000
Mean 200.5
Std Dev 17.12
χ² / ndof
Width
MPV
Area
Sigma
mip_slab3_chip12
Entries 1000
Mean 200.5
Std Dev 17.12
χ² / ndof 24.36 / 29
Width 28.13 ± 3.32
MPV 175.7 ± 3.0
Area 3555 ± 108.4
Sigma 13.93 ± 2.0
mip_slab3_chip12
Entries 1000
Mean 200.5
Std Dev 17.12
χ² / ndof
Width
MPV
Area
Sigma
mip_slab3_chip12
Entries 1000
Mean 200.5
Std Dev 17.12
χ² / ndof 1.61 / 0.0
Width 36.81 ± 0.10
MPV 175.7 ± 3.0
Area 23+-0+0 ± 5.0+-0.0
Sigma 35.18 ± 0.0
mip_slab3_chip12
Entries 1000
Mean 200.5
Std Dev 17.12
χ² / ndof
Width
MPV
Area
Sigma

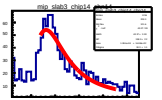

mip_slab3_chip13_chan1
mip_slab3_chip13_chan2
mip_slab3_chip13_chan3
mip_slab3_chip13_chan4
mip_slab3_chip13_chan5
mip_slab3_chip13_chan6
mip_slab3_chip13_chan7
mip_slab3_chip13_chan8
mip_slab3_chip13_chan9
mip_slab3_chip13_chan10
mip_slab3_chip13_chan11
mip_slab3_chip13_chan12

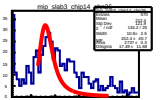

mip_slab3_chip14_chan0
Entries 1024
Mean 19.6
RMS 10.0
χ2 / ndf 26.20 / 19
Prob 0.1
Width 22.72 ± 4.02
MPV 17.9 ± 2.8
Area 2900 ± 1.4e+3
Sigma 10.0 ± 10.0


mip_slab3_chip14_chan1
Entries 1024
Mean 19.6
RMS 10.0
χ2 / ndf 26.20 / 19
Prob 0.1
Width 22.72 ± 4.02
MPV 17.9 ± 2.8
Area 2900 ± 1.4e+3
Sigma 10.0 ± 10.0

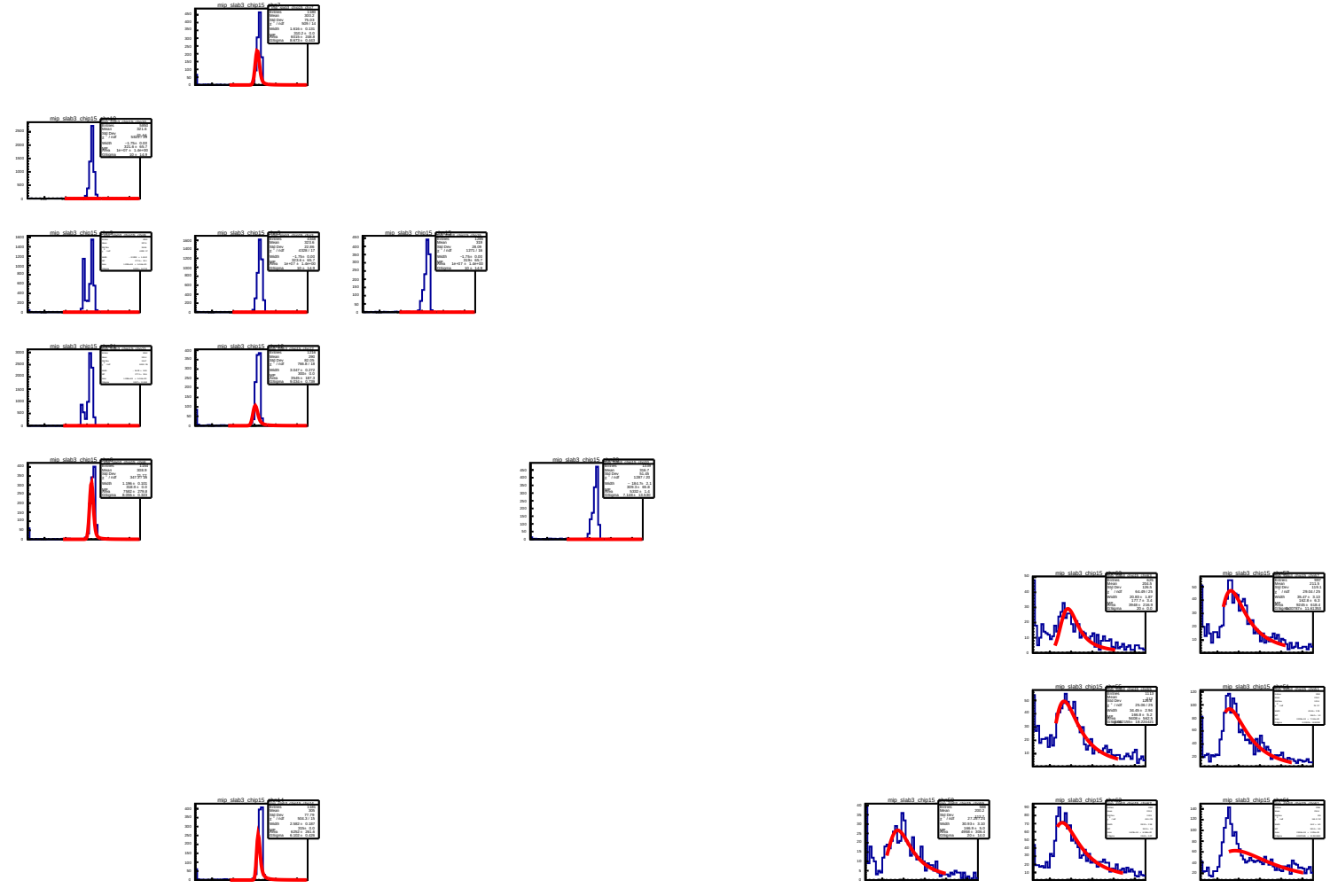

mip_slab3_chip14_chan2
Entries 1024
Mean 19.6
RMS 10.0
χ2 / ndf 26.20 / 19
Prob 0.1
Width 22.72 ± 4.02
MPV 17.9 ± 2.8
Area 2900 ± 1.4e+3
Sigma 10.0 ± 10.0

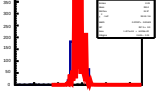

mip_slab3_chip14_chan3
Entries 1024
Mean 19.6
RMS 10.0
χ2 / ndf 26.20 / 19
Prob 0.1
Width 22.72 ± 4.02
MPV 17.9 ± 2.8
Area 2900 ± 1.4e+3
Sigma 10.0 ± 10.0

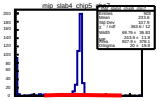

mip_slab3_chip14_chan4
Entries 1024
Mean 19.6
RMS 10.0
χ2 / ndf 26.20 / 19
Prob 0.1
Width 22.72 ± 4.02
MPV 17.9 ± 2.8
Area 2900 ± 1.4e+3
Sigma 10.0 ± 10.0

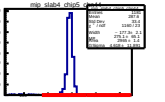

mip_slab3_chip14_chan5
Entries 1024
Mean 19.6
RMS 10.0
χ2 / ndf 152.2 / 19
Prob 0.0
Width 152.27 ± 29.
MPV 10.9 ± 2.5
Area 1.1e+4 ± 2.1e+3
Sigma 17.9 ± 0.2
Integral 17.8% ± 0.0%

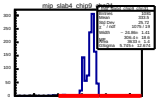
mip_slab3_chip14_chan6
Entries 1024
Mean 34.0
RMS 19.7
χ2 / ndf 939.3 / 1
Width 0.1147 ± 0.0868
MPV 0.0000 ± 0.0000
Area 7.1e+4 ± 1.2e+4
Sigma 9.223 ± 11.21

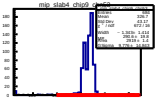

mip slab3 chip15
mip slab3 chip15
mip slab3 chip15

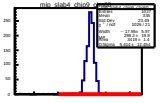


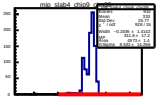

mip slab4 chip5 chan5
Entries 2152
Mean 157.8
Std Dev 157.8
χ / ndf 2810.0 / 17
Width 19.76 ± 39.63
Area 1.000 ± 0.000
MPV 427.0 ± 0.0
Sigma 20.0 ± 0.0

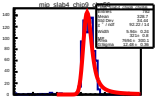

mip slab4 chip5 chan6
Entries 2152
Mean 187.6
Std Dev 187.6
χ / ndf 1340.7 / 17
Width 177.9 ± 1.1
Area 1.000 ± 0.000
MPV 2944.7 ± 2.2
Sigma 1184.1 ± 0.0

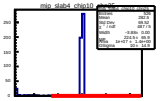

mip_slab4_chip2_chan24
Entries 2512
Mean 25.72
Std Dev 10.79 ± 0.4
χ² / ndf 1079 / 19
Prob 0
Const 20.88k ± 1.4k
MPV 24.04 ± 0.0
Width 2.84 ± 0.0
Sigma 9.195 ± 0.01

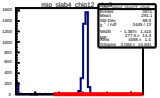

mip_slab4_chip2_chan25
Entries 2267
Mean 33.7
Std Dev 17.1 ± 0.4
χ² / ndf 672 / 16
Prob 0
Const 1.363k ± 14.1
MPV 29.04 ± 0.0
Width 2.14 ± 0.0
Sigma 9.774 ± 0.01

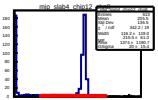

mip_slab4_chip2_chan26
Entries 1128
Mean 7.14
Std Dev 10.82 ± 0.3
χ² / ndf 1122 / 21
Prob 0
Const 17.96k ± 9.8
MPV 2.96 ± 0.0
Width 2.14 ± 0.0
Sigma 9.054 ± 0.01

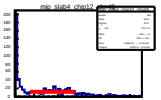

mip_slab4_chip2_chan27
Entries 1128
Mean 7.14
Std Dev 10.82 ± 0.3
χ² / ndf 1122 / 21
Prob 0
Const 0.333k ± 1.45k
MPV 14.04 ± 0.2
Width 1.79 ± 0.0
Sigma 12.01 ± 0.2

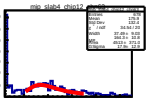

mip_slab4_chip2_chan28
Entries 2262
Mean 19.47
Std Dev 19.47
χ² / ndf 92.22 / 14
Prob 0
Const 5.86k ± 9.2k
MPV 19.04 ± 0.0
Width 0.0 ± 0.0
Sigma 12.01 ± 0.0

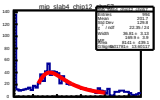

mip_slab4_chn33_gap_05
Mean 2.6E-5
Std Dev 68.7E-
N / Cut 2577 /
RMS 0.000e - 10.0
Underflow 0.000e - 10.0
Overflow 1e+07 / 1.4e+10
Integral 2577 / 2577
250
200
150
100
50
0

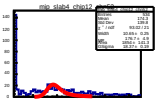

mip_slab4_chip12_chan56
Entries 1000
Mean 291.1
Std Dev 7.164
χ² / ndf 3.509 / 13
Width − 5.380% ± 1.414
277.8 ± 12.2
MPV 291.1 ± 0.0
Integral 3.0000 ± 0.0000

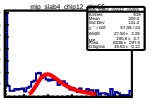

mip_slab4_chip12_chan58
Entries 1000
Mean 292.1
Std Dev 7.164
χ² / ndf 342.27 / 8
Width 116.2 ± 128.1
215.5 ± 91.3
MPV 300.0 ± 0.0
Integral 35.0 ± 0.0

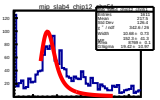

mip_slab4_chip12_chan59
Entries 1000
Mean 133.4
Std Dev 139.8
χ² / ndf 57.00 / 13
Width 10.66 ± 0.35
MPV 179.7 ± 0.8
Integral 39.01 ± 0.02

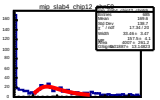

mip_slab4_chip12_chan60
Entries 1000
Mean 133.4
Std Dev 139.8
χ² / ndf 34.54 / 20
Width 27.49 ± 9.03
164.8 ± 10.8
MPV 179.7 ± 0.8
Integral 17.16 ± 0.8

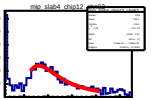

mip_slab4_chip12_chan61
Entries 1000
Mean 133.4
Std Dev 139.8
χ² / ndf 22.36 / 18
Width 39.81 ± 9.15
185.6 ± 9.6
MPV 179.7 ± 0.8
Integral 11.01 ± 0.01

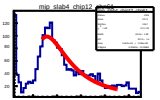

mip_slab4_chip12_chan62
Entries 1000
Mean 133.4
Std Dev 139.8
χ² / ndf 57.00 / 13
Width 10.66 ± 0.35
MPV 179.7 ± 0.8
Integral 39.01 ± 0.02

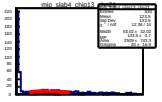

mip_slab4_chip12_chan63
Entries 1000
Mean 133.4
Std Dev 139.8
χ² / ndf 57.00 / 13
Width 27.83 ± 2.26
190.8 ± 3.7
MPV 179.7 ± 0.8
Integral 19.01 ± 0.0

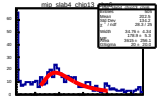

mip_slab4_chip12_chan64
Entries 1000
Mean 133.4
Std Dev 139.8
χ² / ndf 57.00 / 13
Width 10.66 ± 0.35
MPV 192.5 ± 0.8
Integral 39.01 ± 0.02

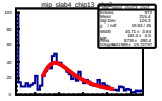

mip_slab4_chip12_chan65
Entries 1000
Mean 198.7
Std Dev 139.8
χ² / ndf 17.87 / 20
Width 33.49 ± 3.47
MPV 205.7 ± 0.8
Integral 20.07 ± 0.0

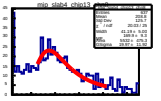

mip_slab4_chip12_chan66
Entries 1000
Mean 133.4
Std Dev 139.8
χ² / ndf 57.00 / 13
Width 10.66 ± 0.35
MPV 179.7 ± 0.8
Integral 39.01 ± 0.02

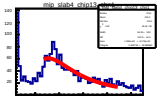

mip_slab4_chip12_chan67
Entries 1000
Mean 133.4
Std Dev 139.8
χ² / ndf 57.00 / 13
Width 10.66 ± 0.35
MPV 179.7 ± 0.8
Integral 39.01 ± 0.02

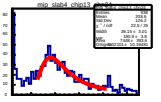

mip slab4 chip13
Entries 1000
Mean 13.93
Std Dev 13.61
χ² / ndf 12.77 / 20
width 10.02 ± 0.37
MPV 2100.0 ± 10.1
Integral 20 ± 0.4

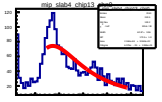

mip slab4 chip13
Entries 1000
Mean 20.3
Std Dev 19.4
χ² / ndf 26.27 / 26
width 12.76 ± 4.32
MPV 2010.1 ± 20.1
Integral 27 ± 0.5

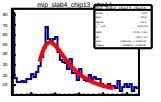

mip slab4 chip13
Entries 1000
Mean 32.4
Std Dev 33.6
χ² / ndf 19.63 / 24
width 41.72 ± 3.64
MPV 2.62 ± 4.9
Integral 100.0 ± 0.0
Integral MPV 1.6 ± 0.0

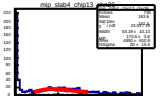

mip slab4 chip13
Entries 1000
Mean 20.7
Std Dev 20.7
χ² / ndf 20.63 / 26
width 41.19 ± 9.21
MPV 100.6 ± 5.3
Integral 100.0 ± 0.0
Integral MPV 19.87 ± 0.0

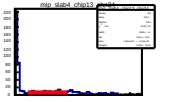

mip slab4 chip13
Entries 1000
Mean 32.4
Std Dev 33.6
χ² / ndf 19.63 / 24
width 41.72 ± 3.64
MPV 2.62 ± 4.9
Integral 100.0 ± 0.0
Integral MPV 1.6 ± 0.0

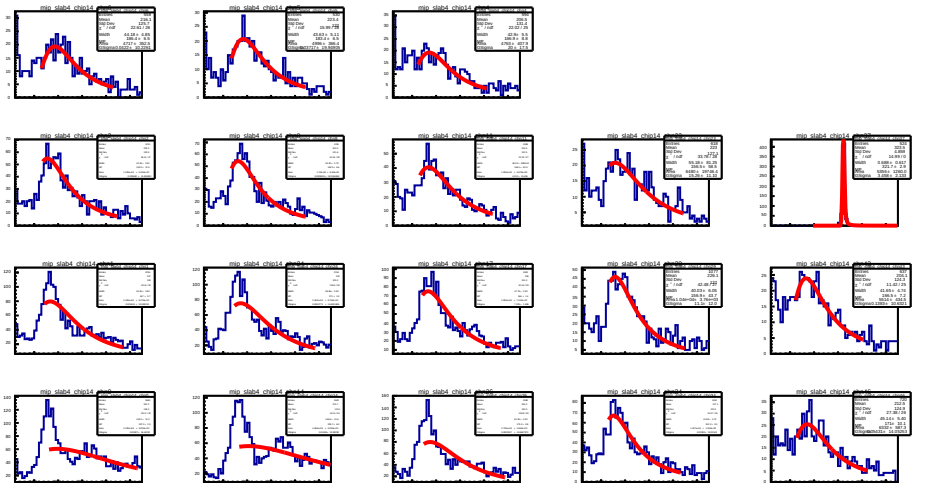

mip slab4 chip13
Entries 1000
Mean 20.7
Std Dev 20.7
χ² / ndf 20.63 / 26
width 41.19 ± 9.21
MPV 100.6 ± 5.3
Integral 100.0 ± 0.0
Integral MPV 19.87 ± 0.0

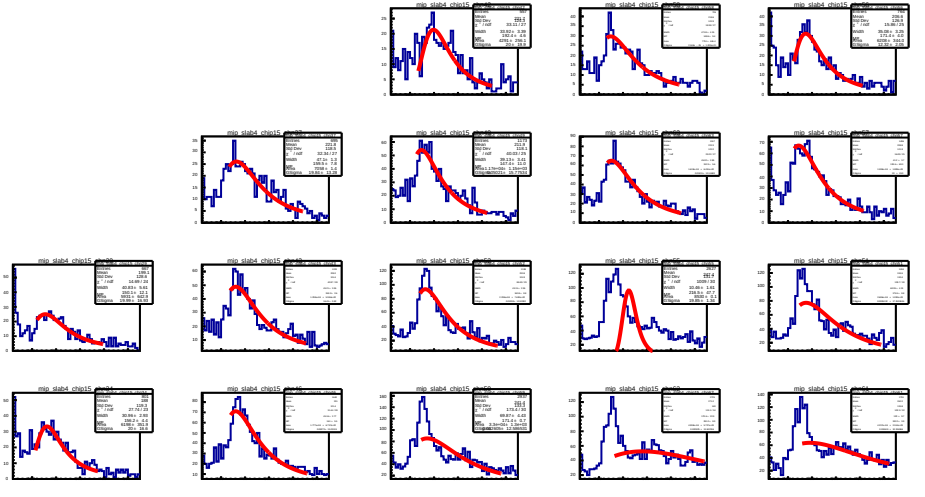

mip slab4 chip13
Entries 1000
Mean 32.4
Std Dev 33.6
χ² / ndf 19.63 / 24
width 41.72 ± 3.64
MPV 2.62 ± 4.9
Integral 100.0 ± 0.0
Integral MPV 1.6 ± 0.0


mip slab4 chip13
Entries 1000
Mean 20.7
Std Dev 20.7
χ² / ndf 20.63 / 26
width 41.19 ± 9.21
MPV 100.6 ± 5.3
Integral 100.0 ± 0.0
Integral MPV 19.87 ± 0.0


mip slab4 chip13
Entries 1000
Mean 13.93
Std Dev 13.61
χ² / ndf 12.77 / 20
width 10.02 ± 0.37
MPV 2100.0 ± 10.1
Integral 20 ± 0.4


mip slab4 chip13
Entries 1000
Mean 20.3
Std Dev 19.4
χ² / ndf 26.27 / 26
width 12.76 ± 4.32
MPV 2010.1 ± 20.1
Integral 27 ± 0.5


mip slab4 chip14
Mean 269.4
Std Dev 22.4
χ² / ndf 22.61 / 26
Width 43.81 ± 4.91
MPV 269.1 ± 0.7
Integral 3217 ± 302.5
Chi2/ndf=0.871 ; 13.5/15.5
mip slab4 chip14
Mean 272.6
Std Dev 19.99
χ² / ndf 43.61 / 11
Width 43.61 ± 9.11
MPV 268.5 ± 0.9
Integral 2906 ± 368.1
Chi2/ndf=3.97 ; 43.6/10.9
mip slab4 chip14
Mean 269.4
Std Dev 22.4
χ² / ndf 22.61 / 26
Width 43.81 ± 4.91
MPV 269.1 ± 0.7
Integral 3217 ± 302.5
Chi2/ndf=0.871 ; 13.5/15.5
mip slab4 chip14
Mean 272
Std Dev 19.77
χ² / ndf 33.74 / 14
Width 55.18 ± 10.75
MPV 268.6 ± 0.8
Integral 3125 ± 317.1
Chi2/ndf=2.41 ; 33.7/13.9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