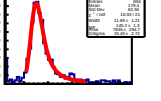
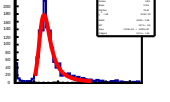
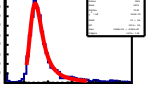
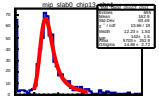
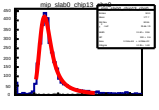
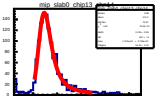

mip_slab0_chip12_chan56
Entries 1000
Mean 1.752
Std Dev 82.56
χ² / ndf 1.07 / 1
Const 11.84 ± 1.11
Mean -105.2 ± 5.5
Sigma 79.01 ± 3.53

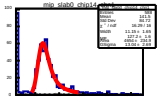

mip_slab0_chip12_chan58

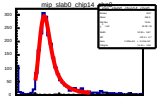

mip_slab0_chip12_chan59

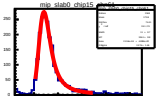

mip_slab0_chip13_chan4
Entries 2000
Mean 19.17
Std Dev 10.49
χ²/ndf 19.00 / 18
Prob 0.3
Mean 13.33 ± 1.50
Sigma 3.05 ± 1.5
Width 3.05 ± 0.15
Chi2/ndf 12.66 / 17.0

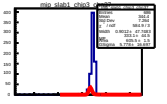

mip_slab0_chip13_chan5
Entries 2000
Mean 19.17
Std Dev 10.49
χ²/ndf 19.00 / 18
Prob 0.3
Mean 13.33 ± 1.50
Sigma 3.05 ± 1.5
Width 3.05 ± 0.15
Chi2/ndf 12.66 / 17.0

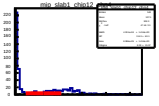

mip_slab0_chip13_chan14
Entries 2000
Mean 19.17
Std Dev 10.49
χ²/ndf 19.00 / 18
Prob 0.3
Mean 13.33 ± 1.50
Sigma 3.05 ± 1.5
Width 3.05 ± 0.15
Chi2/ndf 12.66 / 17.0

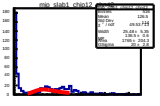

mip_slab0_chip14_chan1
Entries 1000
Mean 19.12
Std Dev 10.72
χ² / ndf 16.28 / 7
Prob 0.0224
Mpv 11.32 ± 0.09
σ 127.2 ± 3.6
Area 1000.0 ± 0.0
σ/Mpv 10.04 ± 0.69
100
80
60
40
20
0

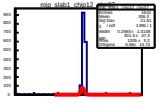

mip_slab0_chip14_chan2
Entries 1000
Mean 19.4
Std Dev 9.4
χ² / ndf 1140.78 / 4
Prob 0
Mpv 19.04 ± 0.07
σ 1.00 ± 0.01
Area 1000.0 ± 0.0
σ/Mpv 0.0526 ± 0.0004
300
250
200
150
100
50
0

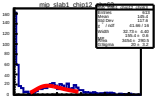

mip_slab0_chip15_ped4b
Entries 1 000 000
Mean 1.000
Std Dev 0.0000
Underflow 0
Overflow 0
Integral 1 000 000
Fit Prob 0.000
Fit χ² / ndf 1 000 / 0
Constant 1 000 ± 0.000
Mean 1.000 ± 0.000
Sigma 0.000 ± 0.000
Constant 1 000 ± 0.000
Mean 1.000 ± 0.000
Sigma 0.000 ± 0.000
200
150
100
50
0

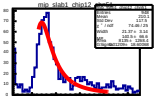

mip_slab1_chip3_ch10
Entries 1000
Mean 314.4
Std Dev 15.27
χ² / ndf 560.8 / 17
Prob 0
Constant 0.90121 ± 47.7383
Mean 303.6 ± 14.6
Sigma 5.793 ± 0.7
Integral 0.7551 ± 15.017
400
350
300
250
200
150
100
50
0

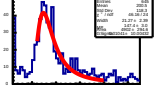

mip slab1 chip12 chan0
Entries 1364
Mean 70.1
Std Dev 17.8
χ² / ndf 49.66 / 25
Width 25.83 ± 9.25
Sigma 0.0000 ± 0.0000
MPV 1780.0 ± 292.2
Integral 21.0 ± 0.0

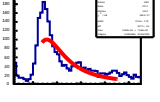

mip slab1 chip12 chan1
Entries 1364
Mean 70.1
Std Dev 17.8
χ² / ndf 49.66 / 25
Width 25.83 ± 9.25
Sigma 0.0000 ± 0.0000
MPV 1780.0 ± 292.2
Integral 21.0 ± 0.0

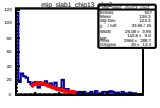

mip slab1 chip12 chan2
Entries 1364
Mean 70.1
Std Dev 17.8
χ² / ndf 1.394 / 1
Width 0.2855 ± 1.0108
MPV 3013.6 ± 17.0
Sigma 0.0000 ± 0.0000
Integral 6.000 ± 0.0

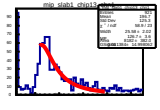

mip slab1 chip12 chan3
Entries 1364
Mean 70.1
Std Dev 17.8
χ² / ndf 41.667 / 6
Width 22.73 ± 4.43
MPV 1335.2 ± 9.6
Sigma 0.0000 ± 0.0000
Integral 19.0 ± 0.0

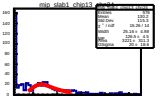

mip slab1 chip12 chan4
Entries 1364
Mean 70.1
Std Dev 17.8
χ² / ndf 1.000 / 1
Width 21.37 ± 3.16
MPV 160.5 ± 46.6
Sigma 0.0000 ± 0.0000
Integral 0.000 ± 0.000

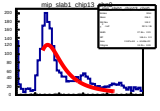

mip slab1 chip12 chan5
Entries 1364
Mean 70.1
Std Dev 18.0
χ² / ndf 46.167 / 19
Width 21.27 ± 2.39
MPV 1000.0 ± 0.0
Sigma 2502 ± 156.5
Integral=1.0- 10.0=0.0

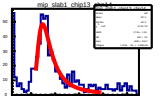

mip slab1 chip12 chan6
Entries 1364
Mean 70.1
Std Dev 17.8
χ² / ndf 1.000 / 1
Width 0.0000 ± 0.0000
MPV 1000.0 ± 0.0
Sigma 0.0000 ± 0.0000
Integral=1.0- 10.0=0.0

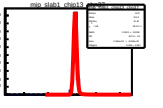

mip slab1 chip13 strip0
Entries 1024
Mean 125.5
Std Dev 125.0
χ² / ndf 35.68 / 16
Const 24.08 ± 3.55
MPV 110.4 ± 9.0
σ 7.9 ± 1.0
Integral 7.9 ± 15.9

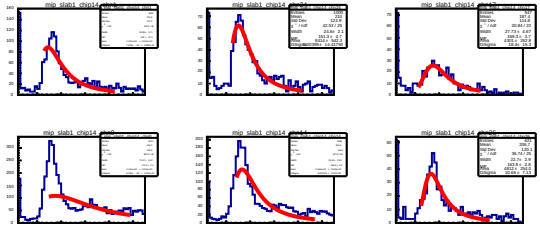

mip slab1 chip13 strip1
Entries 1024
Mean 126.7
Std Dev 125.2
χ² / ndf 60.04 / 16
Const 25.58 ± 3.22
MPV 120.7 ± 3.6
σ 10.2 ± 0.6
Integral 10.2 ± 18.0

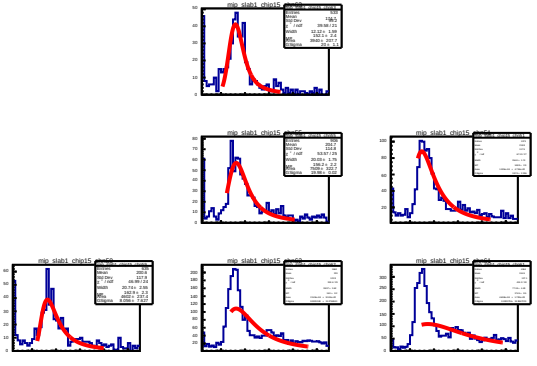

mip slab1 chip13 strip2
Entries 1024
Mean 125.2
Std Dev 125.0
χ² / ndf 25.18 / 16
Const 25.18 ± 2.44
MPV 129.9 ± 2.5
σ 10.2 ± 0.3
Integral 10.2 ± 12.3

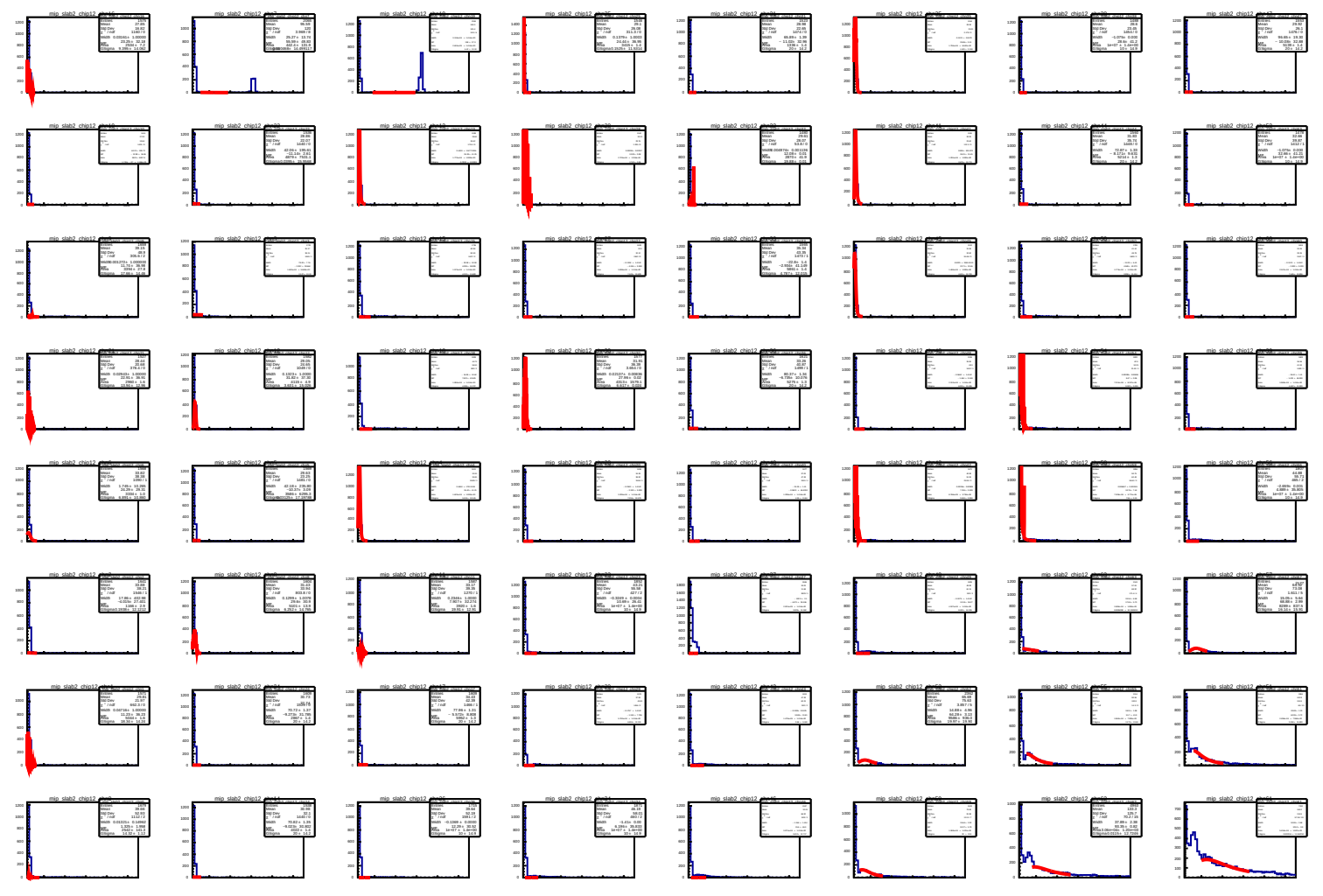

mip slab1 chip13 strip3
Entries 1024
Mean 124.1
Std Dev 124.5
χ² / ndf 37.79 / 16
Const 37.79 ± 1.93
MPV 137.1 ± 1.0
σ 10.1 ± 0.1
Integral 10.1 ± 10.1

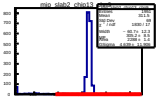

mip slab1 chip13 strip4
Entries 1024
Mean 97.1
Std Dev 97.1
χ² / ndf 25.07 / 16
Const 25.07 ± 1.00
MPV 100.1 ± 0.7
σ 7.1 ± 0.1
Integral 7.1 ± 7.1

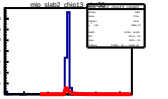

mip slab1 chip13 strip5
Entries 1024
Mean 117.4
Std Dev 0.46
χ² / ndf 0.00 / 0
Const 0.00 ± 0.00
MPV 0.00 ± 0.00
σ 0.00 ± 0.00
Integral 0.00 ± 0.00

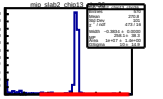

mip slab1 chip14 chan1
mip slab1 chip14 chan2
mip slab1 chip14 chan3
mip slab1 chip14 chan4
mip slab1 chip14 chan5
mip slab1 chip14 chan6

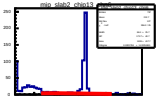

mip slab1 chip15 ch45
Entries 1000
Mean 136.5
Std Dev 29.58 ± 0.21
χ² / ndf 22.12 / 5.99
Width 3.52 ± 7.2
MPV 38.60 ± 0.7
Integral 8.0 ± 1.1
mip slab1 chip15 ch55
Entries 1000
Mean 293.7
Std Dev 110.8
χ² / ndf 53.53 / 6.99
Width 20.02 ± 1.76
MPV 336.2 ± 2.2
Integral 19.96 ± 0.02
mip slab1 chip15 ch56
mip slab1 chip15 ch65
Entries 1000
Mean 237.3
Std Dev 92.87 ± 1.1
χ² / ndf 60.87 / 23
Width 20.70 ± 2.55
MPV 267.1 ± 1.9
Integral 4.0E+ 2 ± 2.2
Integral 8.0E+ 1 ± 1.1
mip slab1 chip15 ch66
mip slab1 chip15 ch67

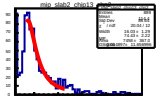


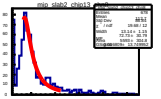

mip slab2 chip13

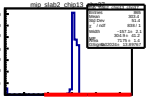

mip slab2 chip13

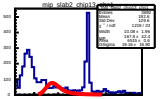

mip slab2 chip13

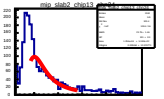

mip slab2 chip13

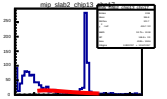

mip slab2 chip13

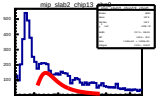

mip slab2 chip13

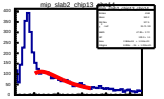

mip slab2 chip13

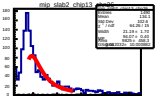

mip slab2 chip13

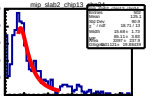

mip slab2 chip13

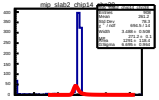

mip slab2 chip13

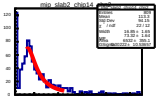

mip slab2 chip13

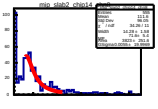

mip slab2 chip13

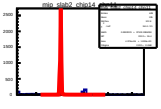

mip slab2 chip13

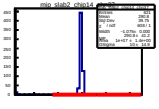

mip slab2 chip13

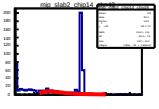

mip_slab2_chip14_strip2
Entries 1024
Mean 26.2
Std Dev 76.2
χ² / ndf 696.3 / 53
Width 3.489 ± 0.038
MPV 26.01 ± 0.04
Area 2492 ± 28.4
Sigma 4.999 ± 0.034

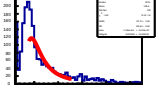

mip_slab2_chip14_strip3
Entries 1024
Mean 19.1
Std Dev 22.12
χ² / ndf 1.6 / 3
Width 19.95 ± 1.65
MPV 73.52 ± 1.64
Area 1.e+06 ± 1.e+06
Sigma 1.e+06 ± 1.e+06

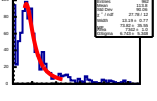

mip_slab2_chip14_strip4
Entries 1024
Mean 14.7
Std Dev 34.36 / 11
χ² / ndf 1.6 / 3
Width 14.28 ± 1.14
MPV 71.41 ± 1.1
Area 3907 ± 48.4
Sigma 1.e+06 ± 1.e+06

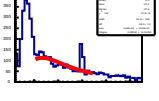

mip_slab2_chip14_strip5
Entries 1024
Mean 1.e+06
Std Dev 1.e+06
χ² / ndf 1.e+06 / 1.e+06
Width 1.e+06 ± 1.e+06
MPV 1.e+06 ± 1.e+06
Area 1.e+06 ± 1.e+06
Sigma 1.e+06 ± 1.e+06

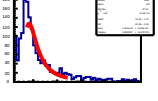

mip_slab2_chip14_strip6
Entries 1024
Mean 26.2
Std Dev 696.3
χ² / ndf 53 / 53
Width 0.2756 ± 0.002
MPV 2500.8 ± 10.2
Area 54.1e+07 ± 1.1e+07
Sigma 0.1 ± 0.1e-02

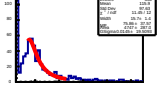

mip_slab2_chip14_strip7
Entries 1024
Mean 1.e+06
Std Dev 1.e+06
χ² / ndf 1.e+06 / 1.e+06
Width 1.e+06 ± 1.e+06
MPV 1.e+06 ± 1.e+06
Area 1.e+06 ± 1.e+06
Sigma 1.e+06 ± 1.e+06

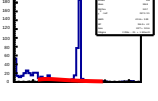

mip_slab2_chip14_strip8
Entries 1024
Mean 1.e+06
Std Dev 1.e+06
χ² / ndf 1.e+06 / 1.e+06
Width 1.e+06 ± 1.e+06
MPV 1.e+06 ± 1.e+06
Area 1.e+06 ± 1.e+06
Sigma 1.e+06 ± 1.e+06

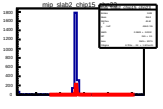

mip_slab2_chip14_strip9
Entries 1024
Mean 13.52
Std Dev 50.05
χ² / ndf 1.6 / 3
Width 13.14 ± 0.77
MPV 73.82 ± 39.36
Area 1.e+06 ± 1.e+06
Sigma 0.7255 ± 0.03

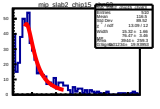

mip_slab2_chip14_strip10
Entries 1024
Mean 1.e+06
Std Dev 1.e+06
χ² / ndf 1.e+06 / 1.e+06
Width 1.e+06 ± 1.e+06
MPV 1.e+06 ± 1.e+06
Area 1.e+06 ± 1.e+06
Sigma 1.e+06 ± 1.e+06

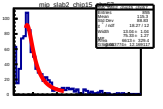

mip_slab2_chip14_strip11
Entries 1024
Mean 1.e+06
Std Dev 1.e+06
χ² / ndf 1.e+06 / 1.e+06
Width 1.e+06 ± 1.e+06
MPV 1.e+06 ± 1.e+06
Area 1.e+06 ± 1.e+06
Sigma 1.e+06 ± 1.e+06

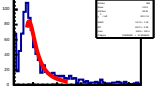

mip_slab2_chip14_strip12
Entries 1024
Mean 33.8
Std Dev 11.85 / 13
χ² / ndf 1.6 / 3
Width 29.75 ± 1.6
MPV 74.1 ± 1.1
Area 2747 ± 29.7
Sigma 10.2e+03 ± 10.2e+03

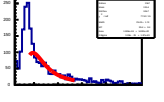

mip_slab2_chip14_strip13
Entries 1024
Mean 1.e+06
Std Dev 1.e+06
χ² / ndf 1.e+06 / 1.e+06
Width 1.e+06 ± 1.e+06
MPV 1.e+06 ± 1.e+06
Area 1.e+06 ± 1.e+06
Sigma 1.e+06 ± 1.e+06

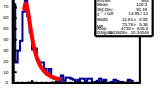

mip_slab2_chip15_chan35
Entries 1000
Mean 0.0
RMS 0.0
χ² / ndf 1.0
Width 0.0 ± 0.0
MPV 0.0 ± 0.0
Integral(mV) 0.0 ± 0.0
Fit range: [-0.0, 0.0]
Fit: Landau + Gaussian
Data: Gaussian

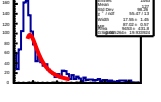

mip_slab2_chip15_chan33
Entries 1000
Mean 13.0
RMS 3.0
χ² / ndf 13.09 / 12
Width 23.32 ± 1.66
MPV 76.47 ± 3.48
Integral(mV) 1.29e+03
Fit range: [-0.0, 0.0]
Fit: Landau + Gaussian
Data: Gaussian

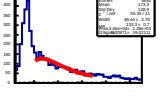

mip_slab2_chip15_chan34
Entries 1000
Mean 14.0
RMS 3.0
χ² / ndf 18.27 / 12
Width 13.50 ± 1.03
MPV 76.33 ± 1.12
Integral(mV) 1.29e+03
Fit range: [-0.0, 0.0]
Fit: Landau + Gaussian
Data: Gaussian

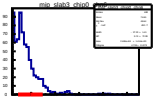

mip_slab2_chip15_chan55
Entries 1000
Mean 0.0
RMS 0.0
χ² / ndf 0.0 / 0
Width 0.0 ± 0.0
MPV 0.0 ± 0.0
Integral(mV) 0.0 ± 0.0
Fit range: [-0.0, 0.0]
Fit: Landau + Gaussian
Data: Gaussian

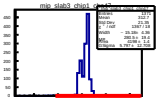

mip_slab2_chip15_chan54
Entries 1000
Mean 0.0
RMS 0.0
χ² / ndf 0.0 / 0
Width 0.0 ± 0.0
MPV 0.0 ± 0.0
Integral(mV) 0.0 ± 0.0
Fit range: [-0.0, 0.0]
Fit: Landau + Gaussian
Data: Gaussian

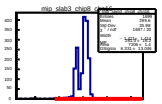

mip_slab2_chip15_chan52
Entries 1000
Mean 14.0
RMS 3.0
χ² / ndf 14.80 / 11
Width 31.81 ± 0.92
MPV 87.01 ± 0.79
Integral(mV) 2.72e+03
Fit range: [-0.0, 0.0]
Fit: Landau + Gaussian
Data: Gaussian

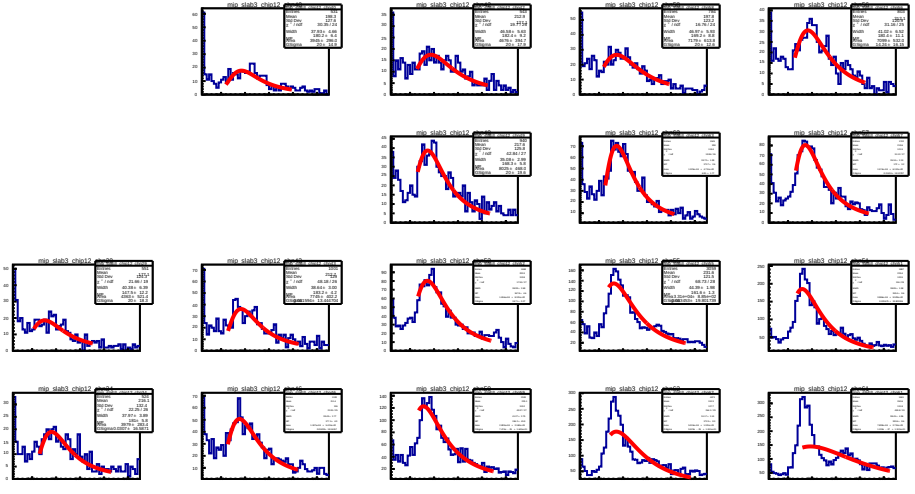

mip_slab2_chip15_chan53
Entries 1000
Mean 14.0
RMS 3.0
χ² / ndf 55.87 / 13
Width 37.95 ± 1.05
MPV 89.01 ± 1.05
Integral(mV) 2.72e+03
Fit range: [-0.0, 0.0]
Fit: Landau + Gaussian
Data: Gaussian


mip_slab2_chip15_chan51
Entries 1000
Mean 14.0
RMS 3.0
χ² / ndf 55.87 / 13
Width 89.81 ± 2.72
MPV 87.01 ± 1.05
Integral(mV) 2.72e+03
Fit range: [-0.0, 0.0]
Fit: Landau + Gaussian
Data: Gaussian


mip_slab3_chip0
90
80
70
60
50
40
30
20
10
0


mip_slab3_chip1_chan25
Entries 1024
Mean 23.15
Std Dev 21.35
χ² / ndf 2367.19 / 9
Width 20.00± 0.26
Mpv 23.00± 0.12
Area 1024 ± 3.2
Sigma 0.767 ± 0.0


msp slab3 chip6 ch16
Entries 2612
Mean 29.98
Std Dev 10877.20
Underflow 0
Overflow 0
Integral 2612
Mean x 29.98
Std Dev x 10877.20
400
350
300
250
200
150
100
50
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
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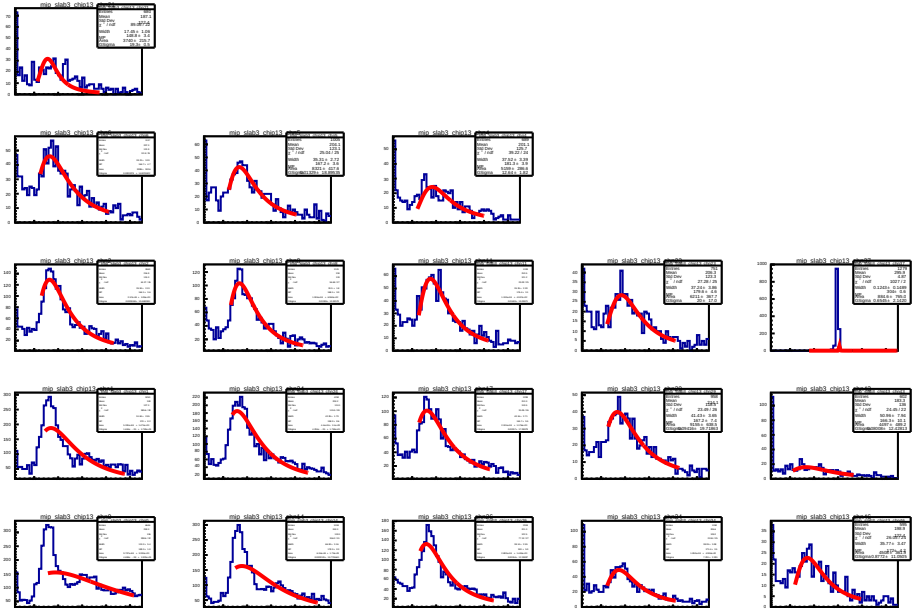
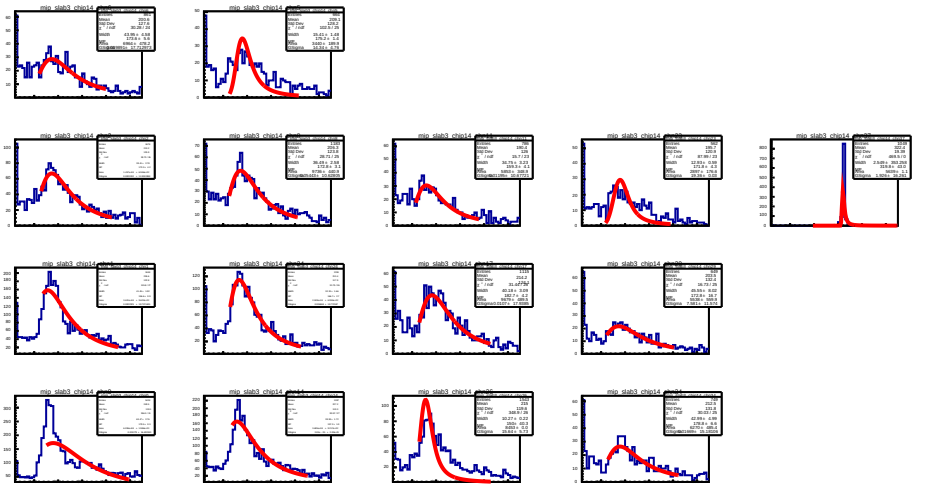
mip slab3 chip12




mip slab3 chip14
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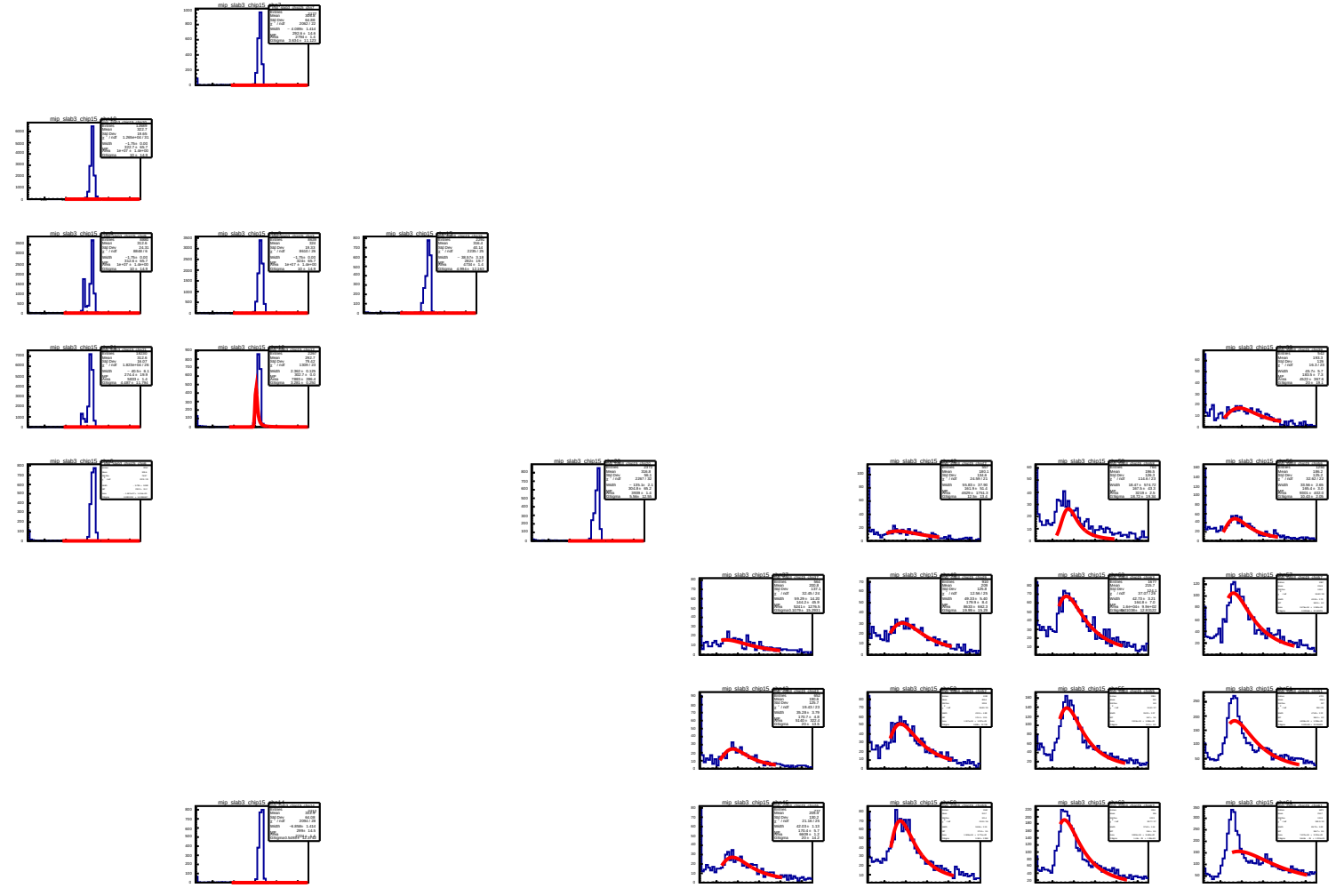
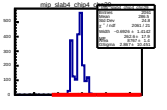
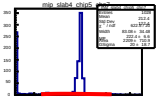
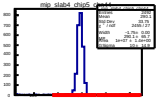
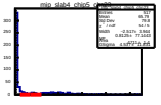
mip slab3 chip14

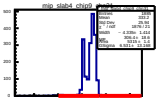


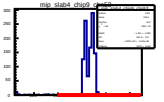

mip slab4 chb4 ped20
Entries 2000
Mean 2021.5
Std Dev 21.6
χ / ndf 2082 / 0
p0 1.000 ± 1.414
p1 2021.6 ± 12.6
Mean 2.017 ± 0.021
Sigma 2.017 ± 0.021
500
400
300
200
100
0

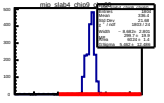

mip slab4 chip5 ch25
Entries 7104
Mean 212.8
Std Dev 12.97
χ2 / ndf 1423/1
Width 10.38 ± 10.18
Mean 212.5 ± 0.1
Sigma 10.1 ± 0.1
Integral 20.1 ± 0.1

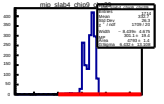

mip slab4 chip5 ch26
Entries 2551
Mean 350.1
Std Dev 24.93
χ2 / ndf 2455/17
Width 0.75± 0.90
Mean 350.1 ± 0.1
Sigma 24.7 ± 0.1
Integral 14×10^3 ± 1.4×10^2

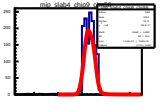

mip slab4 chip5 ch27
Entries 114
Mean 46.74
Std Dev 9.614
χ2 / ndf 9.61/6
Width -0.0275 ± 0.001
Mean 0.91257 ± 7.1e-05
Sigma 1.4±0.07

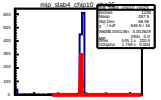

mip_slab4_chip2_chan1
Entries 2617
Mean 29.96
Std Dev 1870.71
Underflow 0
Overflow 0
Integral 2617
Mean - 0.0394± 3.414
Sigma - 0.0279± 1.94
MPV - 7.61± 5.6
Sigma - 6.017± 23.24

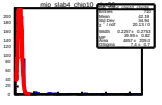

mip_slab4_chip2_chan2

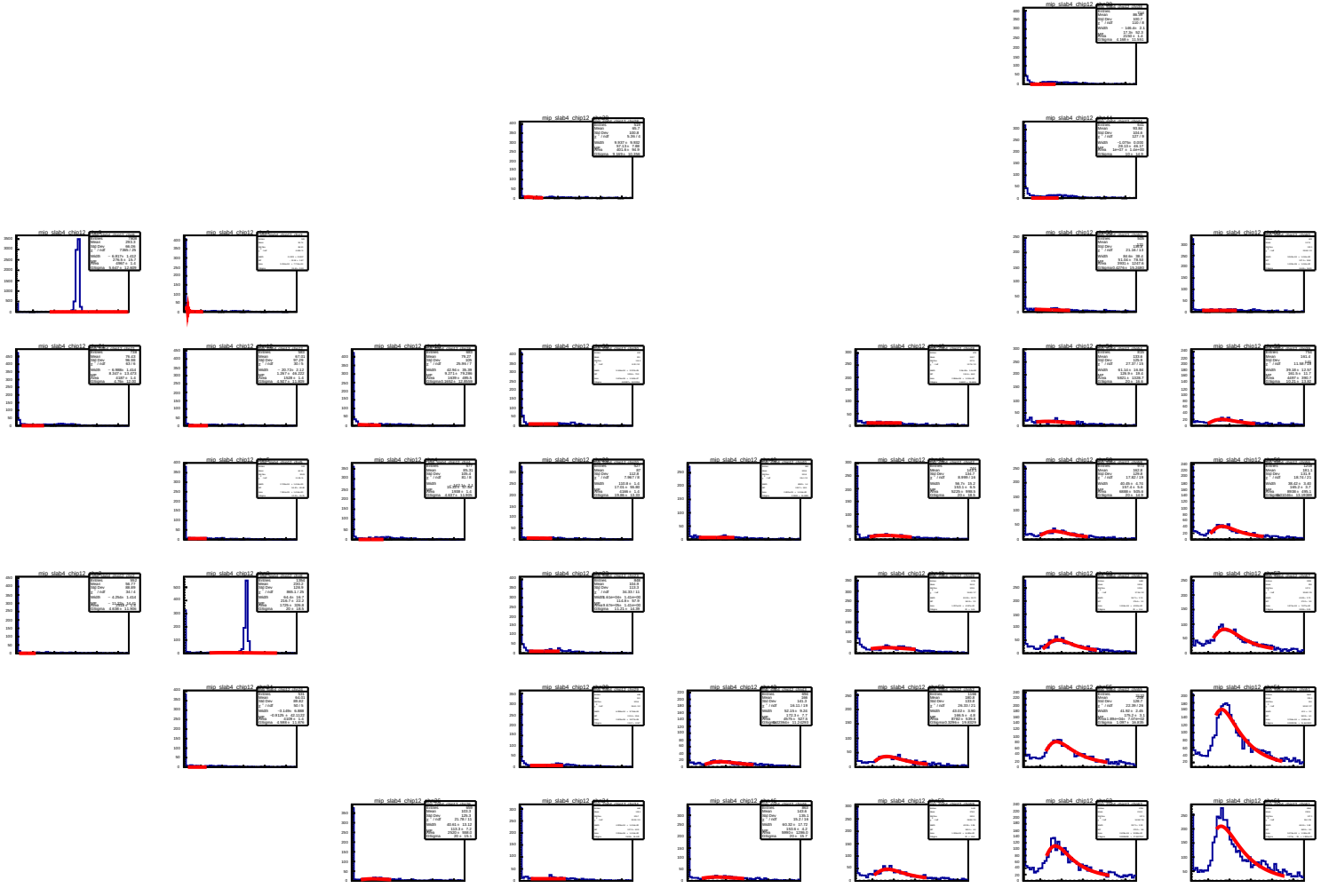

mip_slab4_chip2_chan3


mip_slab4_chip2_chan4

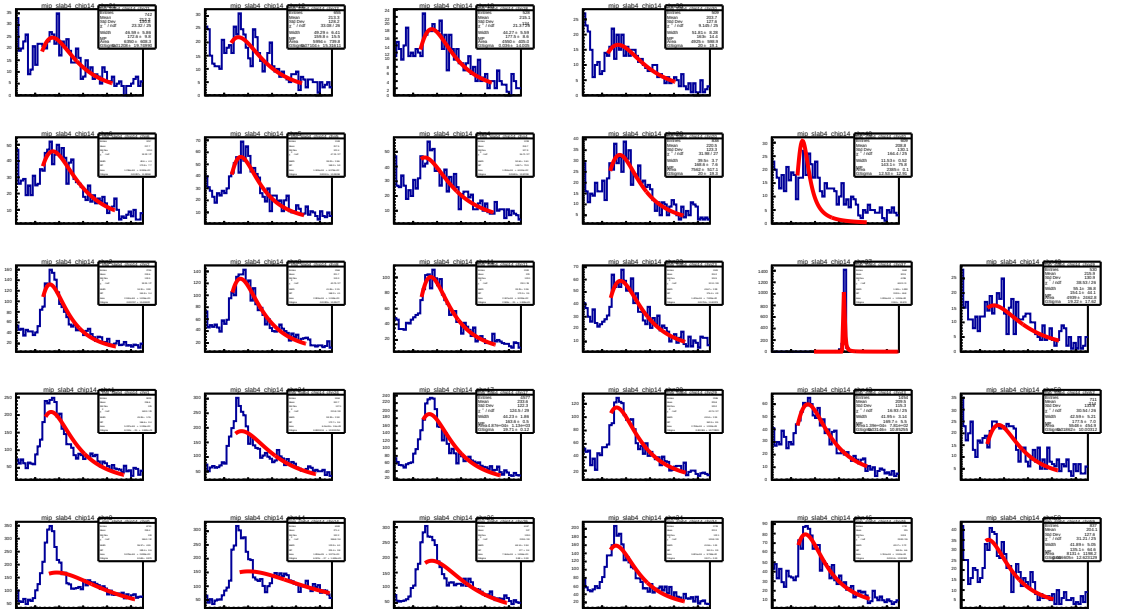
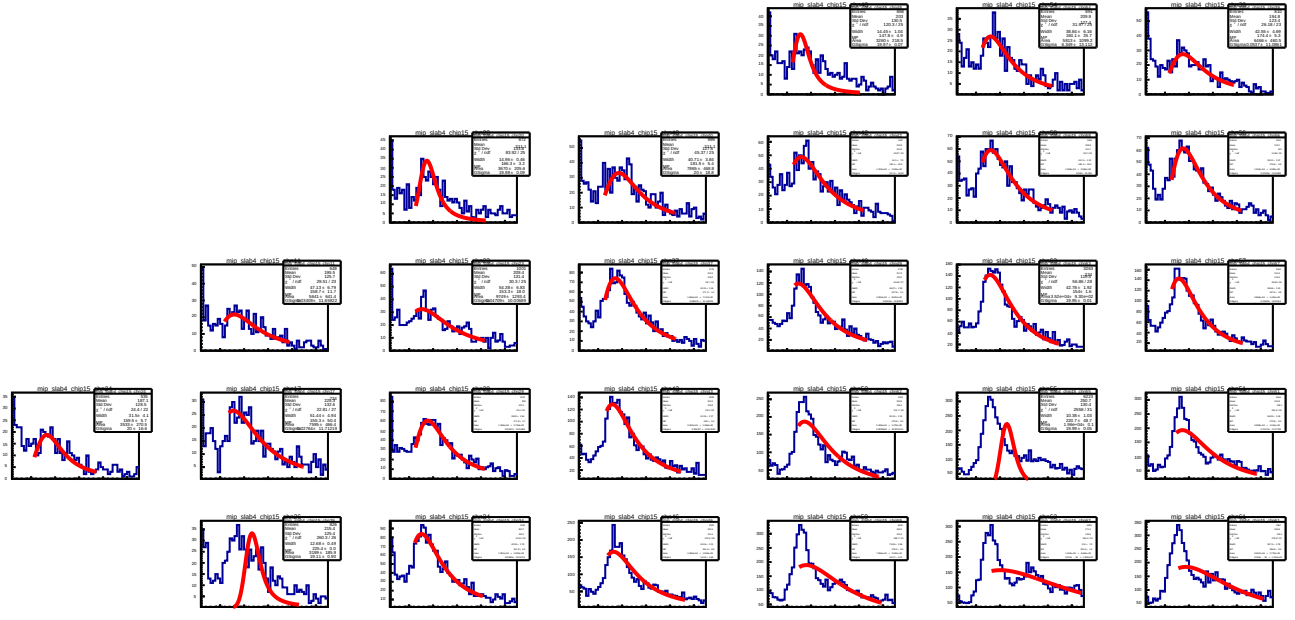

mip_slab4_chip2_chan5


mip slab4 chip10 ped=50
Entries 2000
Mean 49.13
Std Dev 98.18
χ² / ndf 9.8e+01 / 14
Prob 0.000e+00
MPV 0.00 ± 0.00
Sigma 1.79e+01 ± 0.00
0
80
160
240
320
400
480
560
640


mip slab4 chip10 ped=50
Entries 2000
Mean 22.18
Std Dev 23.55
χ² / ndf 2e+03 / 14
Prob 0.000e+00
MPV 0.237 ± 0.3733
Sigma 39.95 ± 0.02
0
20
40
60
80
100
120
140
160
180
200



mip slab4 chip13
mip slab4 chip13
mip slab4 chip13


mip slab4 chip14
mip slab4 chip14
mip slab4 chip14