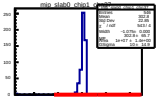
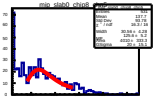
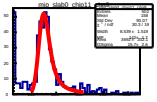
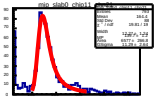
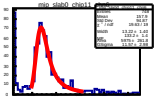
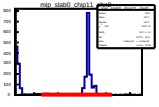

mip_slab0_chip1_ch10
Entries 1000
Mean 0.2114
Std Dev 0.0127
Integral 1000.0
Underflow 0
Overflow 0
Mean x 0.2114 ± 0.0003
Std Dev x 0.0127 ± 0.0002
Integral 1000.0 ± 31.6
250
200
150
100
50
0

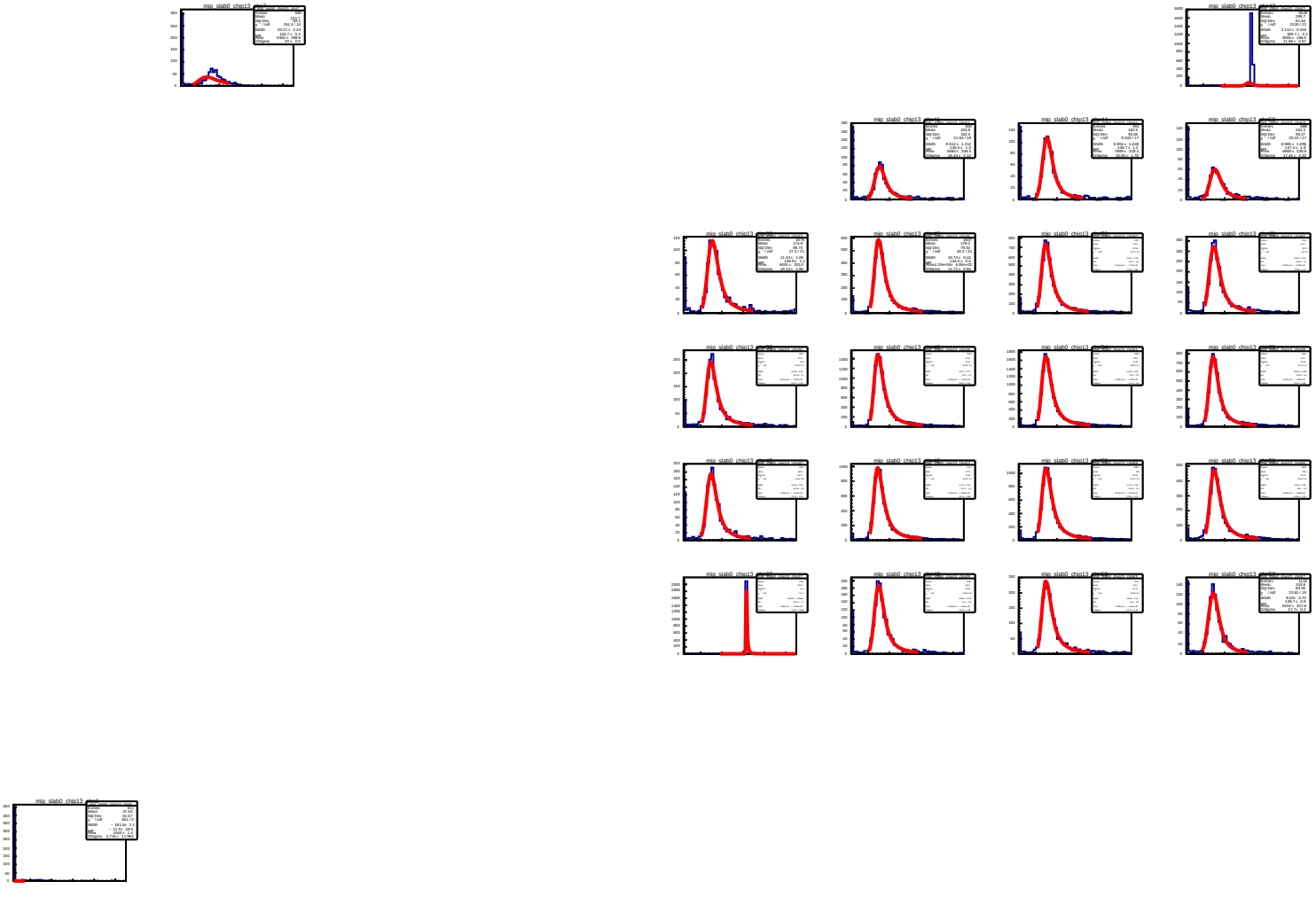

mip_slab0_chip8_pedestal_noise
Entries 1024
Mean 12.14
Std Dev 10.14
χ / ndf 34.3 / 35
Width 30.54 ± 4.23
Sigma 13.64 ± 0.67
Area 4944 ± 163.4
Position 27.4 ± 0.4
75
60
50
45
40
35
30
25
0

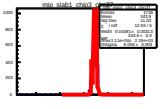

msp slab0 chip11

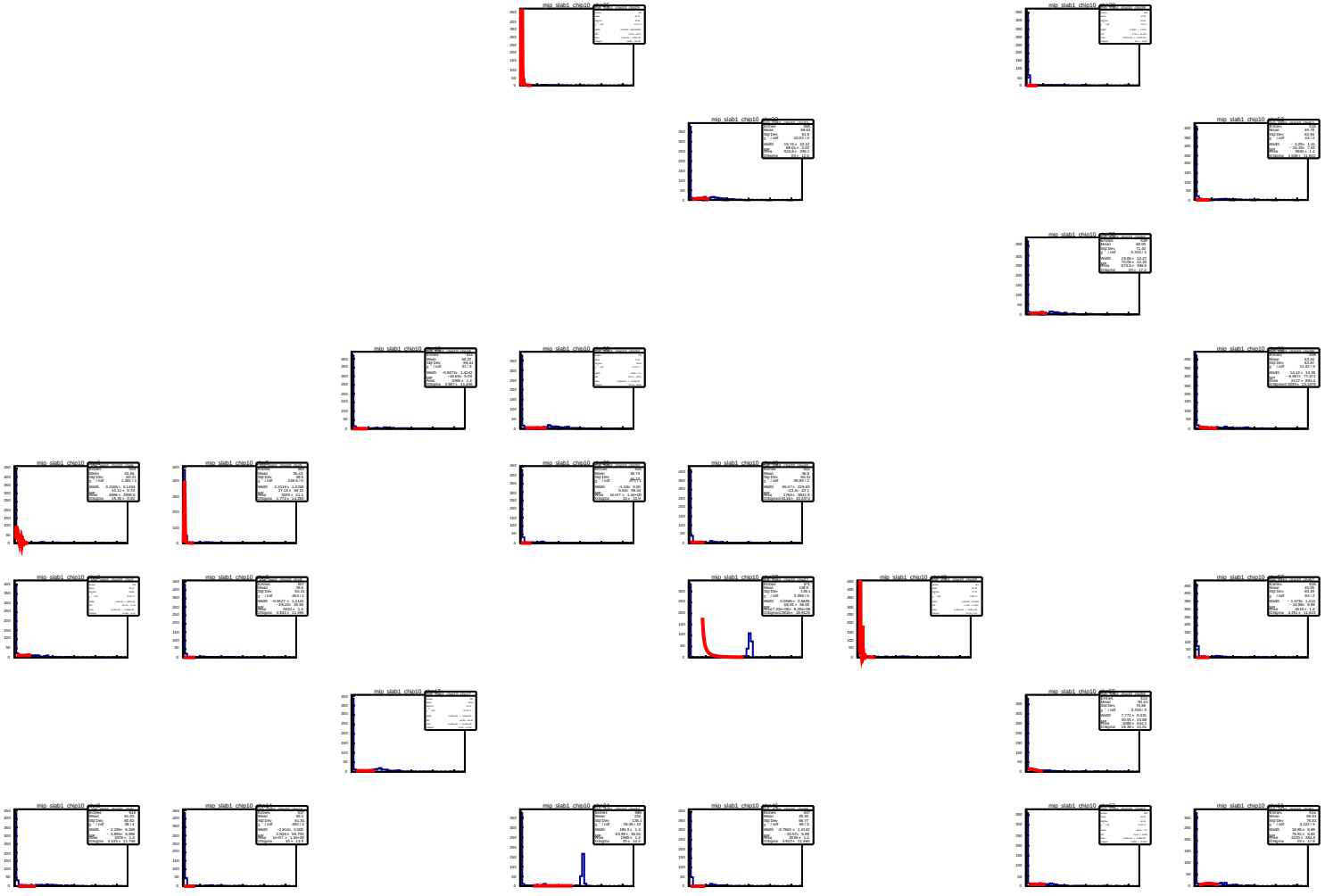

msp slab0 chip11

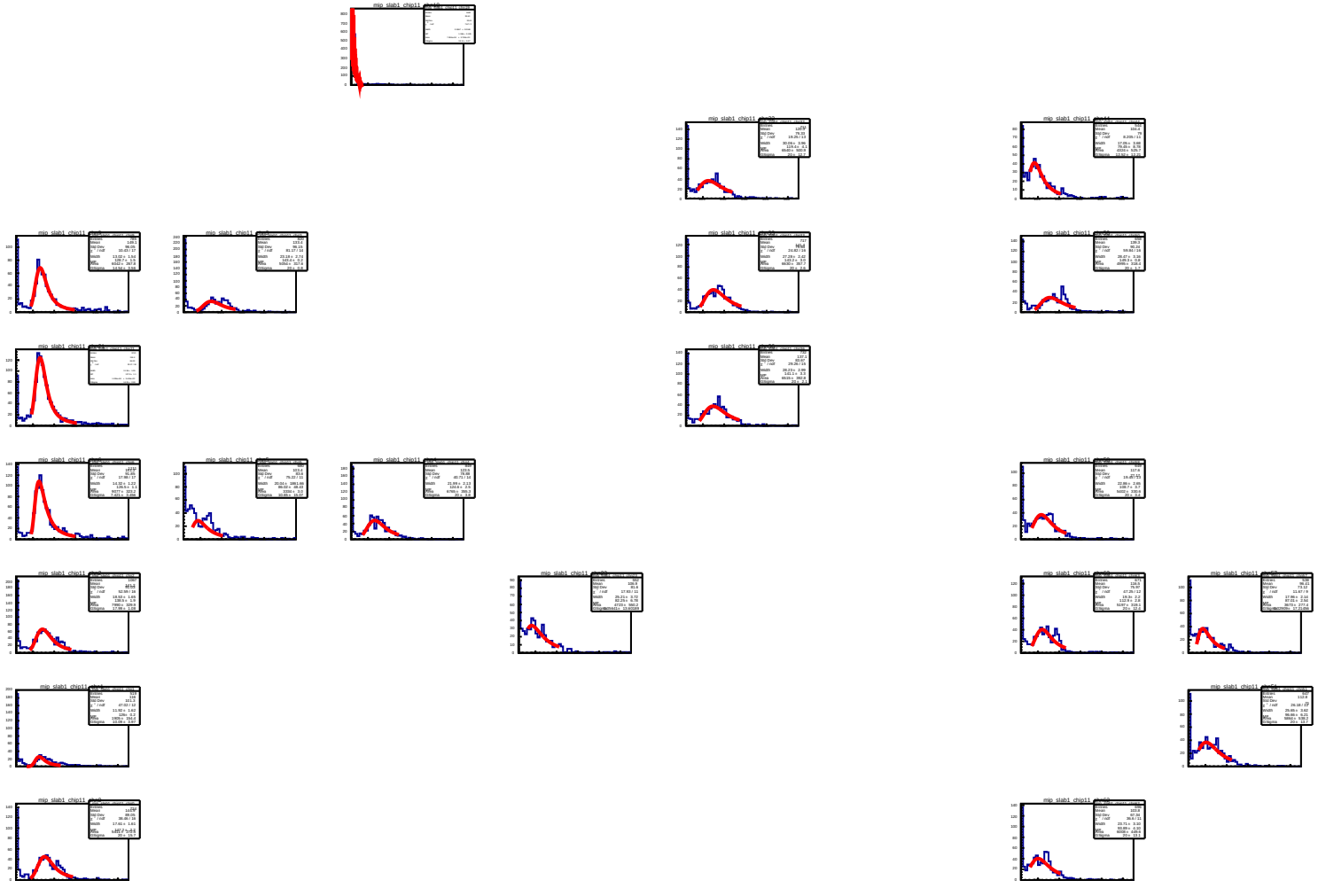

msp slab0 chip11

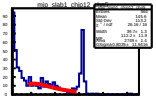

msp slab0 chip11

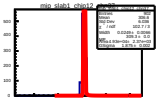

mip slab0 chip13
mip slab0 chip13
mip slab0 chip13

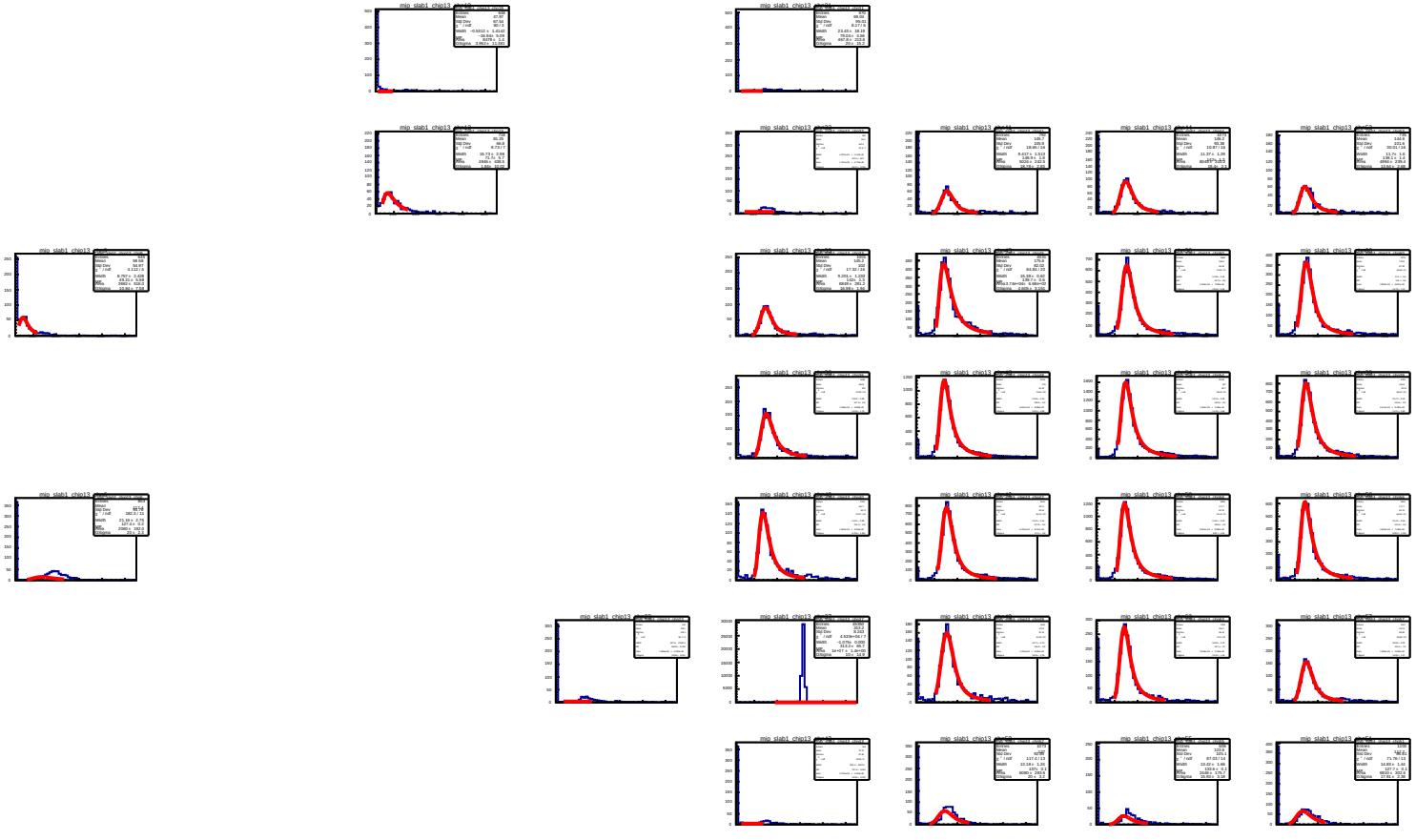

mip_slab1_chip3_ch15
Entries 1234
Mean 315.0
Std Dev 12.64
Underflow 0
Overflow 0
Integral 1234.0
Skewness 0.0000
Kurtosis 0.0000
Mean x 315.0
Std Dev x 12.64
1000
800
600
400
200
0

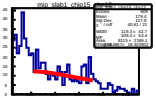


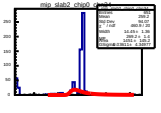


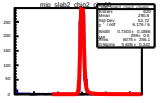

mip_slab1_chip12_ch0
Entries 1012
Mean 1012
Std Dev 1012
χ / ndf 26.18 / 16
Width 28.21 ± 0.5
Area 1128.25 ± 0.5
MPV 27.08 ± 0.5
Landau width 1.74 ± 0.5

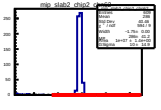

mip_slab1_chip12_ch0
Entries 1012
Mean 102.6
Std Dev 102.7 / 0
χ / ndf 0.0284 / 0.0006
Width 2006.9 ± 0.0
MPV 102.7 ± 0.0
Landau width 1.0 ± 0.0

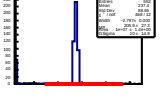


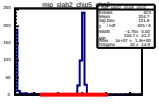

mio_stab1_chan16_ch16
Entries 1000
Mean 1774
Std Dev 1273
χ² / ndf 30.41 / 7
Mean 1192 ± 42.7
Const 1000 ± 31.6
Slope 8555 ± 2585
Slope Prob 0.0
40
35
30
25
20
15
10
5
0

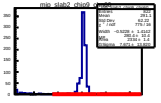

mip_slab2_chan0_cut1
Entries 2000
Mean 1.07
Mean x 1.07
RMS 0.0217
RMS x 0.0217
Integral 2000.00
Width 14.85± 1.36
Sigma 0.0446± 0.0
Mean 1.000± 1.00
Sigma 0.00111± 0.0
200
150
100
50
0

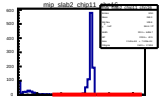

mip slab2 chip2 charge
Entries 2918
Mean 2.7
Std Dev 0.7577
χ² / ndf 0.7577 / 1
Width 0.7500± 0.0000
Mean 2.7000± 0.0000
Area 2918.0 ± 0.0
Centroid 0.0000 ± 0.0000

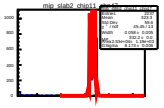

mip slab2 chip2 charge
Entries 2918
Mean 2.7
Std Dev 0.49
χ² / ndf 1011 / 9
Width -1.75± 0.00
Mean 2.7000± 0.0000
Area 1e+07 ± 1.1e+03
Centroid 0+1 0.0

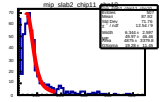

msp_slab2_chip4_pedsig
Entries 2304
Mean 2.57
Mean x 2.57
Std Dev 0.15
χ² / ndf 468.12
Width 0.7875 ± 0.0125
Peak 1.000 ± 0.000
Mean 2.000 ± 0.000
Sigma 0.000 ± 0.000

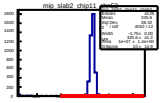

mip_slab2_chip5_chn2
250
200
150
100
50
0
Entries 1024
Mean 153.1
Std Dev 103.6
χ² / ndf 1.79 / 0.00
Const 254.0 ± 11.2
Mean 64.00 ± 0.00
Sigma 0.1 ± 11.0

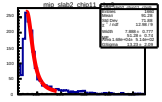

mse slab2 chi2 ZoomIn
Entries 1000
Mean 2013
RMS 1.000
Std Dev 79.05
Integral 79.05
Width -0.5208 ± 0.4542
Center 2014.0 ± 0.1
Max 2015.5
Center -2014.0 ± 0.1
300
250
200
150
100
50
0

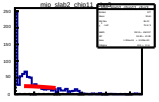

mip slab2 chip11 chan2

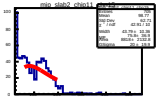

mip slab2 chip11 chan2

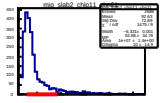

mip slab2 chip11 chan2

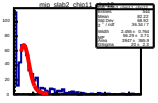

mip slab2 chip11 chan2

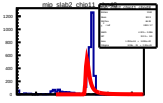

mip slab2 chip11 chan2

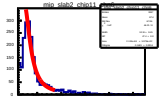

mip slab2 chip11 chan2

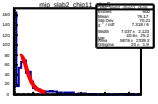

mip slab2 chip11 chan2

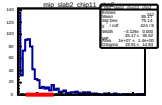

mip slab2 chip11 chan2

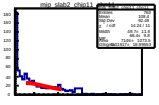

mip slab2 chip11 chan2

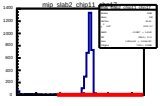

mip slab2 chip11 chan2

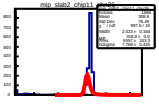

mip slab2 chip11 chan2

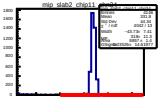

mip slab2 chip11 chan2

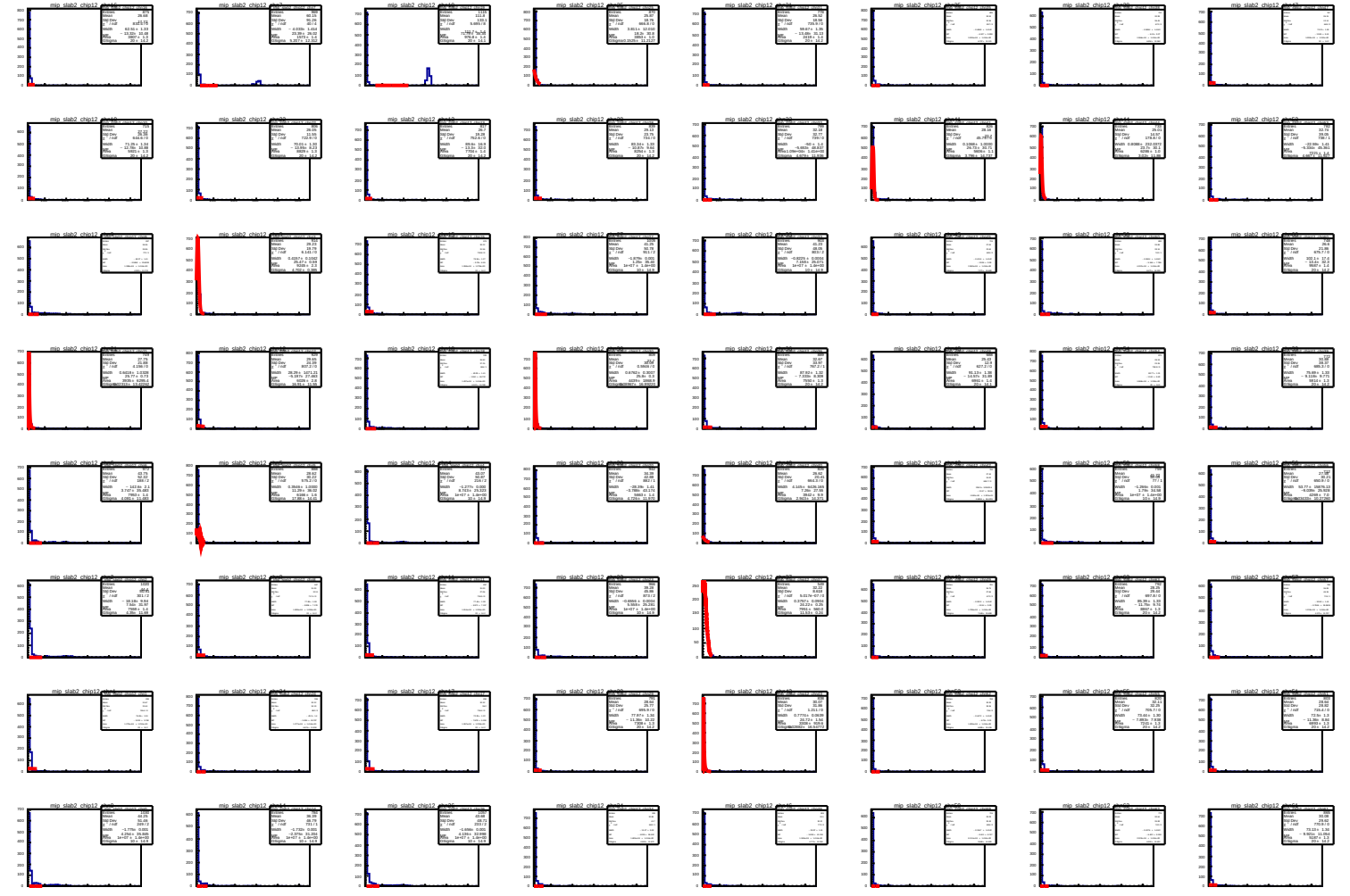

mip slab2 chip11 chan2

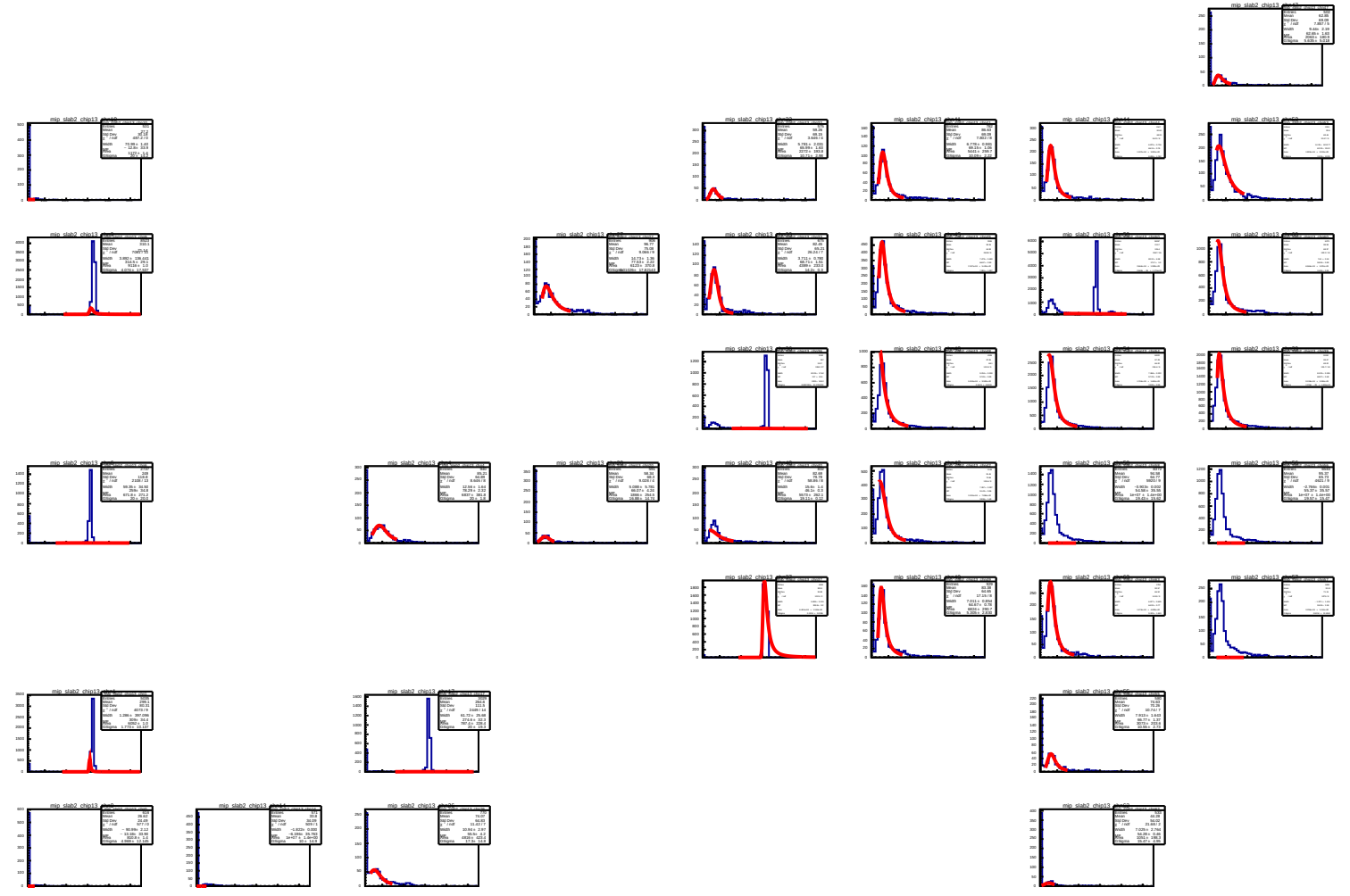

mip slab2 chip11 chan2

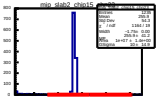

mip slab2 chip11 chan2

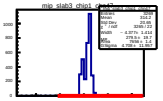

mip slab2 chip11 chan2

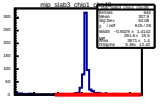

mip slab2 chip11 chan2

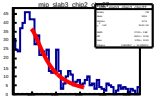


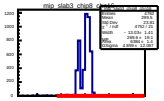


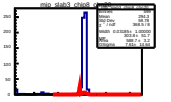

mip_slab2_chip15_ch13
Entries 1000
Mean 1.014
RMS 0.1
Underflow 0
Overflow 0
χ² / ndf 1184 / 18
Width -1.75± 5.55
Mean 0.918± 41.2
Sigma 0.77± 8.17
Integral 1.1e+04
800
700
600
500
400
300
200
100
0

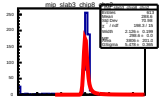

mip_slab3_chip1_chan5
Entries 3329
Mean 25.03
Std Dev 25.05
χ² / ndf 3280 / 13
Width 1.377n ± 18.4
Mean 2.37n ± 25.0
MPV 2916 ± 15.5
Integral 4.798e+ ± 1.4

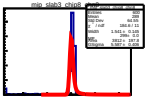

mip_slab3_chip1_chan5
Entries 3329
Mean 25.03
Std Dev 25.05
χ² / ndf 626 / 16
Width 0.9029 ± 1.61e+1
Mean 2911.6 ± 15.3
MPV 2916 ± 15.5
Integral 5.301 ± 1.4

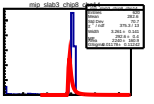

msq_slab3_nhe2_cm3
Entries 1000
Mean 0.1
RMS 0.1
Underflow 0
Overflow 0
Integral 1000
Skewness 3.16
Kurtosis 14.4
Constant 1.00 ± 0.04
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
Chi2 / ndf 1.1 / 1
45
40
35
30
25
20
15
10
5
0

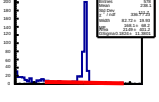

mip_slab3_chip8_chan5
Entries 1000
Mean 25.13
Std Dev 23.91
χ² / ndf 4757 / 71
Width 0.0135 ± 1.43
MPV 0.0 ± 0.0
Area 4.899 ± 0.000
Sigma 0.0000 ± 0.000

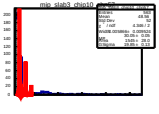

mip_slab3_chip8_chan2
Entries 1000
Mean 29.12
Std Dev 19.74
χ² / ndf 3918 / 71
Width 0.0136 ± 1.0000
MPV 0.0 ± 0.0
Area 7227 ± 0.0
Sigma 7.211 ± 0.000

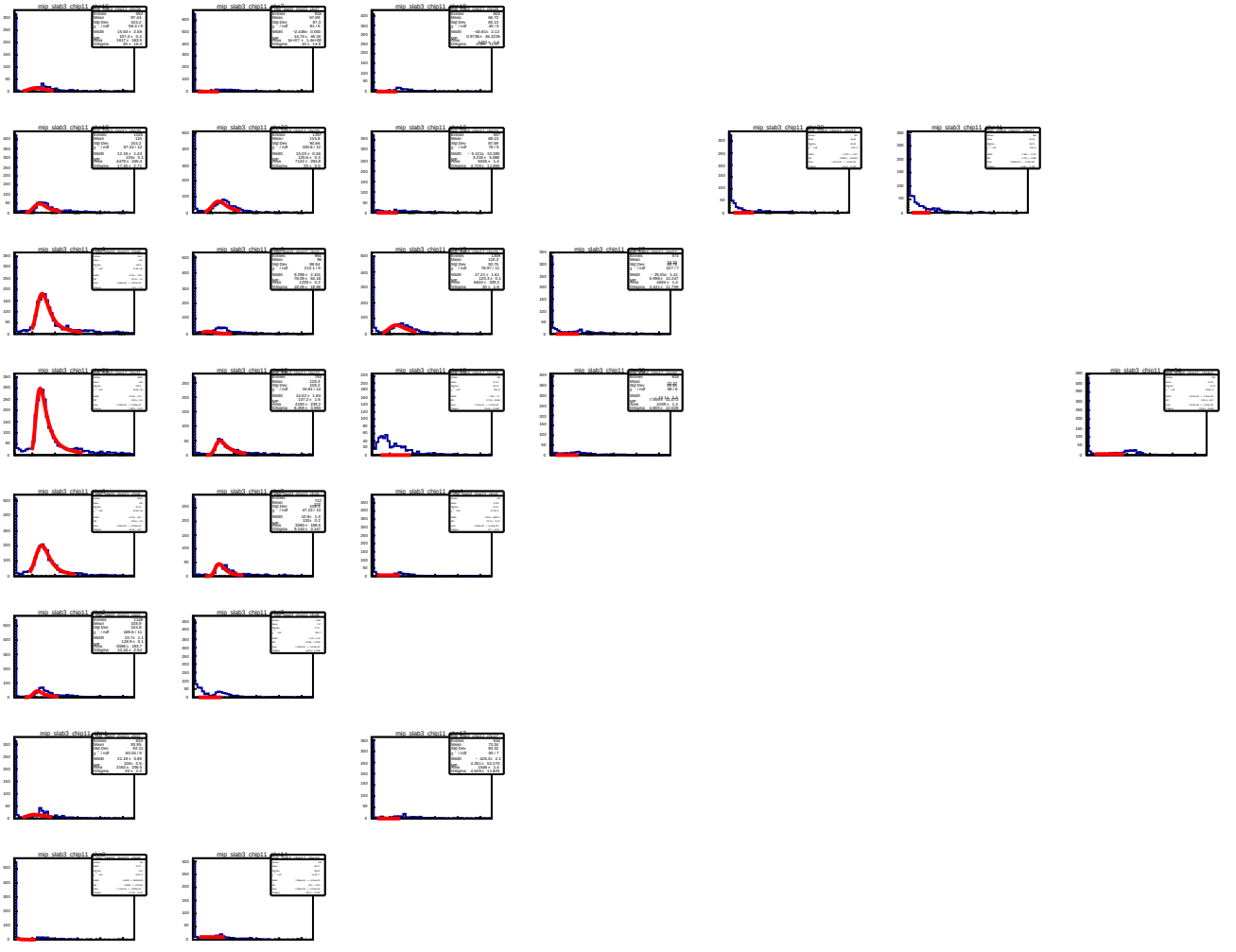

mip_slab3_chip8_chan3
Entries 1000
Mean 31.4
Std Dev 20.0
χ² / ndf 190.0 / 19
Width 0.126 ± 0.199
MPV 0.0 ± 0.0
Area 1012 ± 0.0
Sigma 0.000 ± 0.000

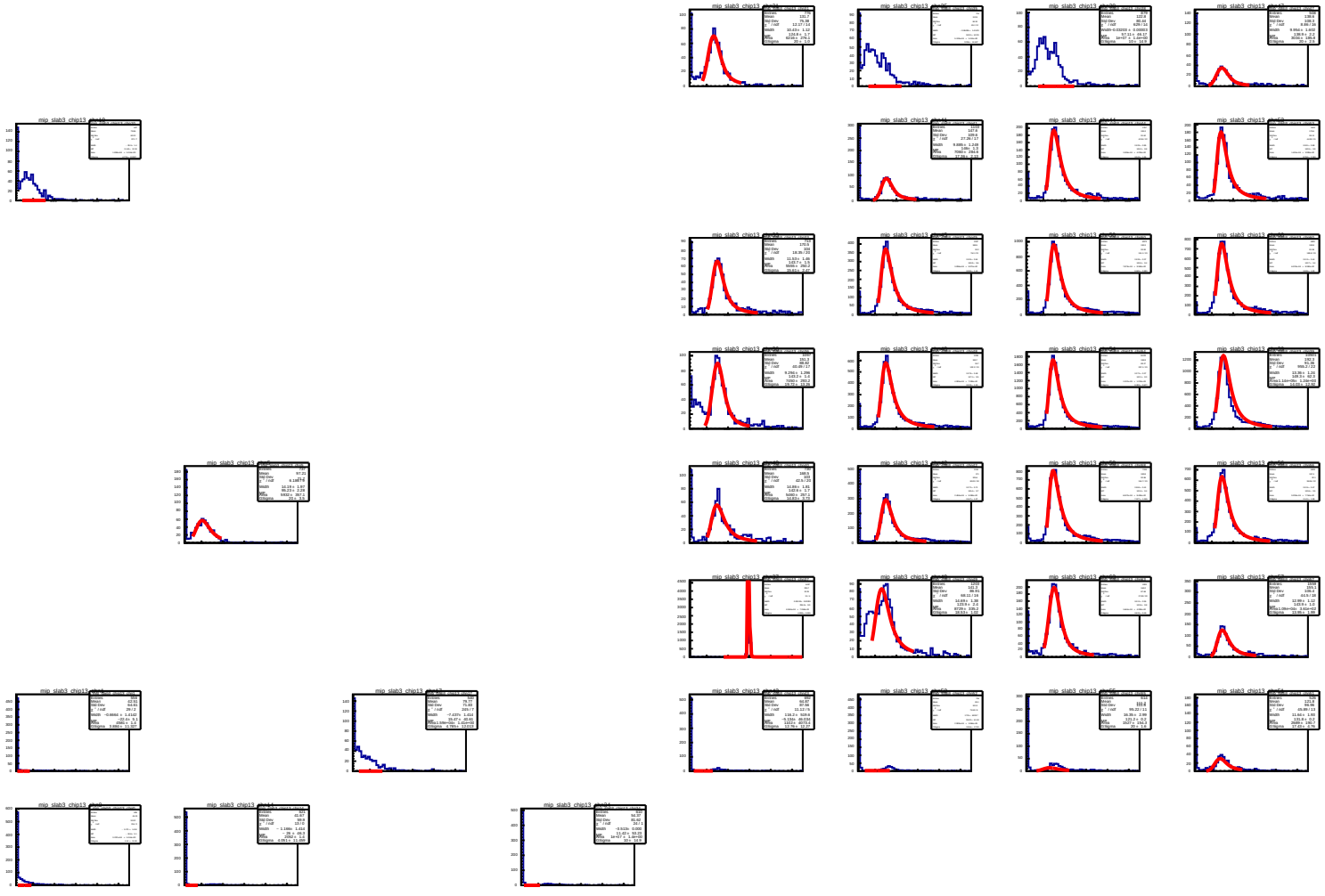

mip_slab3_chip8_chan4
Entries 1000
Mean 30.0
Std Dev 20.0
χ² / ndf 180.0 / 11
Width 1.541 ± 0.101
MPV 0.0 ± 0.0
Area 1012 ± 0.0
Sigma 0.000 ± 0.000

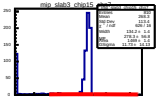

mip_slab3_chip8_chan1
Entries 1000
Mean 28.0
Std Dev 21.7
χ² / ndf 375.2 / 11
Width 3.261 ± 0.310
MPV 0.0 ± 0.0
Area 2240 ± 0.0
Sigma 0.0179 ± 0.000

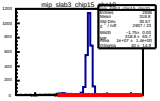

mip_slab3_chip10_ped3
Entries 2000
Mean 2.53
RMS 0.7
χ² / ndf 159.7 / 3
Width 32.72 ± .1610
Peak 1.000 ± .000
Mean 2.245 ± .003
Integral 1631 ± .5%

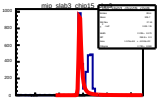

mip_slab3_chip10_ped3
Entries 2000
Mean 14.79
RMS 7.9
χ² / ndf 4.586 / 2
Width 0.3000 ± .0000
Peak 30.05 ± .0150
Mean 14.79 ± .000
Integral 33.81 ± .0.1

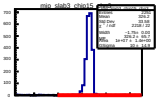


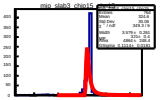


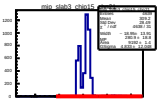

mip slab3 chip15 chan5
Mean 263.2
Sigma 137.6
χ² / ndf 620.7 / 6
Width 142.0 ± 0.4
Peak 2700.0 ± 7.3
Area 1884.0 ± 5.3
Integral 11.70 ± 0.04

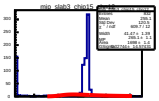

mip slab3 chip15 chan6
Mean 314.8
Sigma 31.0
χ² / ndf 2907.10
Width -1.75± 0.03
Peak 1000.0 ± 0.0
Area 14-07 ± 1.6e+02
Integral 30.0 ± 0.0

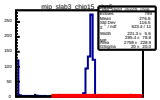

mip slab3 chip15 chan7
Mean 367
Sigma 14.4
χ² / ndf 1.0 / 0
Width 1.00e-004
Peak 1.00e-004
Integral 1.00e-004

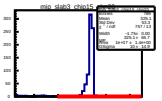

mip slab3 chip15 chan8
Mean 314.8
Sigma 31.0
χ² / ndf 2102.03
Width -1.75± 0.03
Peak 1000.0 ± 0.0
Area 14-07 ± 1.6e+02
Integral 30.0 ± 0.0

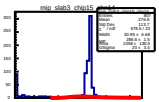

mip slab3 chip15 chan9
Mean 314.8
Sigma 31.0
χ² / ndf 3418.76
Width 3.970± 0.200
Peak 1000.0 ± 0.0
Area 14-07 ± 1.6e+02
Integral 11011 ± 1.0e+04

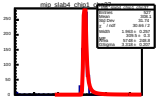

mip slab3 chip15 chan10
Mean 314.8
Sigma 29.00
χ² / ndf 2120.00
Width 16.95± 11.91
Peak 2000.0 ± 18.0
Area 9200 ± 1.2
Integral 4.01e-004 ± 0.0

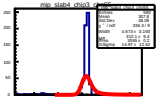

mip slab3 chip15 chan11
Mean 250.2
Sigma 137.5
χ² / ndf 1.0 / 0
Width 41.47 ± 1.45
Peak 200.1 ± 7.1
Area 1000 ± 5.0
Integral 1.00e-004 ± 0.0

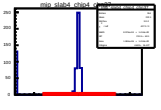

mip slab3 chip15 chan12
Mean 270.4
Sigma 115.5
χ² / ndf 629.67 / 6
Width 153.4 ± 5.5
Peak 2700.0 ± 7.3
Area 2700.0 ± 7.3
Integral 27.0 ± 0.1

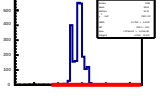

mip slab3 chip15 chan13
Mean 250.2
Sigma 137.5
χ² / ndf 757.13
Width -1.75± 0.03
Peak 1000.0 ± 0.0
Area 14-07 ± 1.6e+02
Integral 27.0 ± 0.0

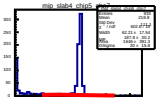

mip slab3 chip15 chan14
Mean 270.4
Sigma 115.5
χ² / ndf 578.57 / 6
Width 30.99 ± 0.10
Peak 2000.0 ± 18.0
Area 1000.0 ± 18.0
Integral 20.0 ± 0.0

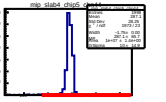

mip_slabd_chip1_cut10
Entries 1337
Mean 3.016 ± 0.008
Std Dev 30.66 ± 0.02
Underflow 0
Overflow 0
Integral 1.000 ± 0.000
Skewness 0.000 ± 0.000
Kurtosis 0.000 ± 0.000
250
200
150
100
50
0

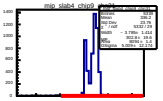

mip slab4 chip3 cut5c
Entries 3000
Mean 32.2
Std Dev 16.09
χ² / ndf 154.8 / 9
Constant 0.5711 ± 0.005
Mean 322.1 ± 0.2
Sigma 1.974 ± 0.02
Sigma2 3.974 ± 0.02
250
200
150
100
50
0

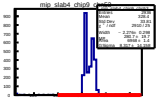

mip_slab4_chip4_ch10
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 1000.0
Skewness 0.0
Kurtosis 0.0
Underflow + Integral 1000.0
Integral + Overflow 1000.0
250
200
150
100
50
0

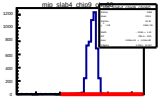

mip_slab4_chip4_ch20
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 1000.0
Skewness 0.0
Kurtosis 0.0
Underflow + Integral 1000.0
Integral + Overflow 1000.0
500
400
300
200
100
0

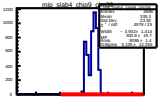

mip slab4 chip5 chip5
Entries 3152
Mean 2.7
Std Dev 0.7
χ2 / ndf 1.2e+03
Width 0.2 ± 0.2
Area 1.2e+03
Sigma 0.0 ± 0.0
Mean 2.7 ± 0.0
Sigma 0.0 ± 0.0
365
315
265
215
165
115
65
15

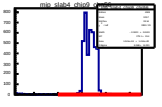

mip slab4 chip5 chip5
Entries 3152
Mean 2.7
Std Dev 0.7
χ2 / ndf 1.5e+03
Width 0.2 ± 0.2
Area 1.2e+03
Sigma 0.0 ± 0.0
Mean 2.7 ± 0.0
Sigma 0.0 ± 0.0
700
600
500
400
300
200
100
0

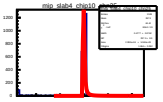

mip_slab4_chip2_ch24
Entries 2512
Mean 23.76
Std Dev 5337.19
χ² / ndf 2.7e+05
Prob 0.000
Constant ± 0.0Err 0.0 ± 0.0
Mean ± 0.0Err 0.0 ± 0.0
Sigma ± 0.0Err 0.0 ± 0.0

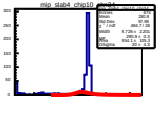

mip_slab4_chip2_ch25

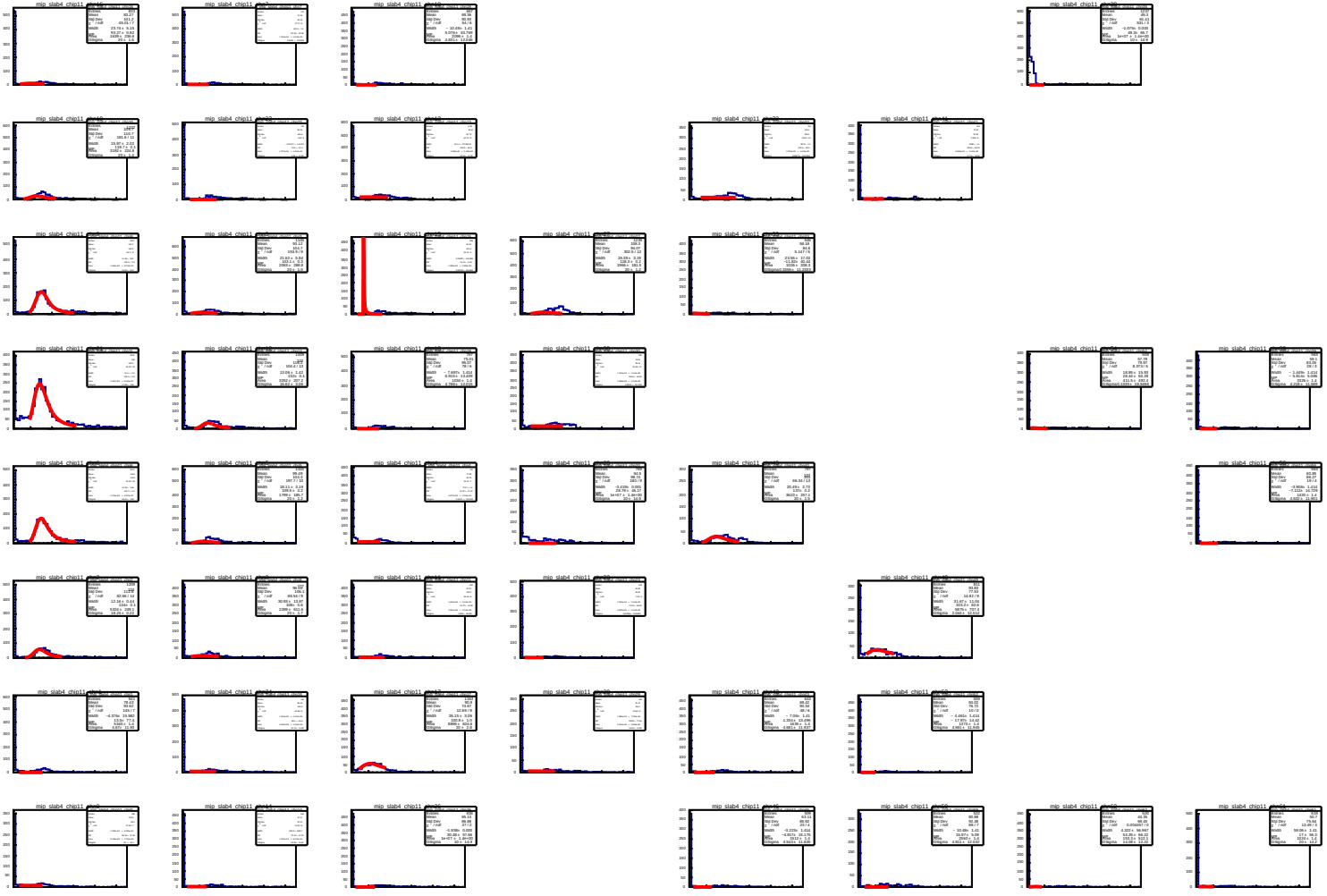

mip_slab4_chip2_ch26

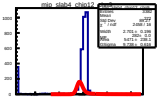

mip_slab4_chip2_ch27

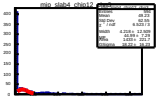

mip_slab4_chip2_ch28

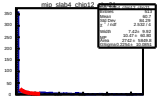

mip slab4 chip10 ped=0
Entries 1000
Mean 0.0
RMS 0.4
Underflow 0
Overflow 0
Integral 1000.0
Mean x 0.0
RMS x 0.4
Underflow x 0.0
Overflow x 0.0
1200
1000
800
600
400
200
0

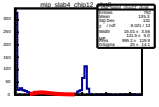

mip slab4 chip10 ped=0
Entries 1000
Mean 39.0
RMS 10.6
χ² / ndf 355.7 / 15
Width 9.739 ± 2.201
Mean 39.0 ± 0.3
MPV 35.0 ± 0.1
Integral 30 ± 1
350
300
250
200
150
100
50
0

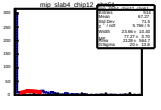
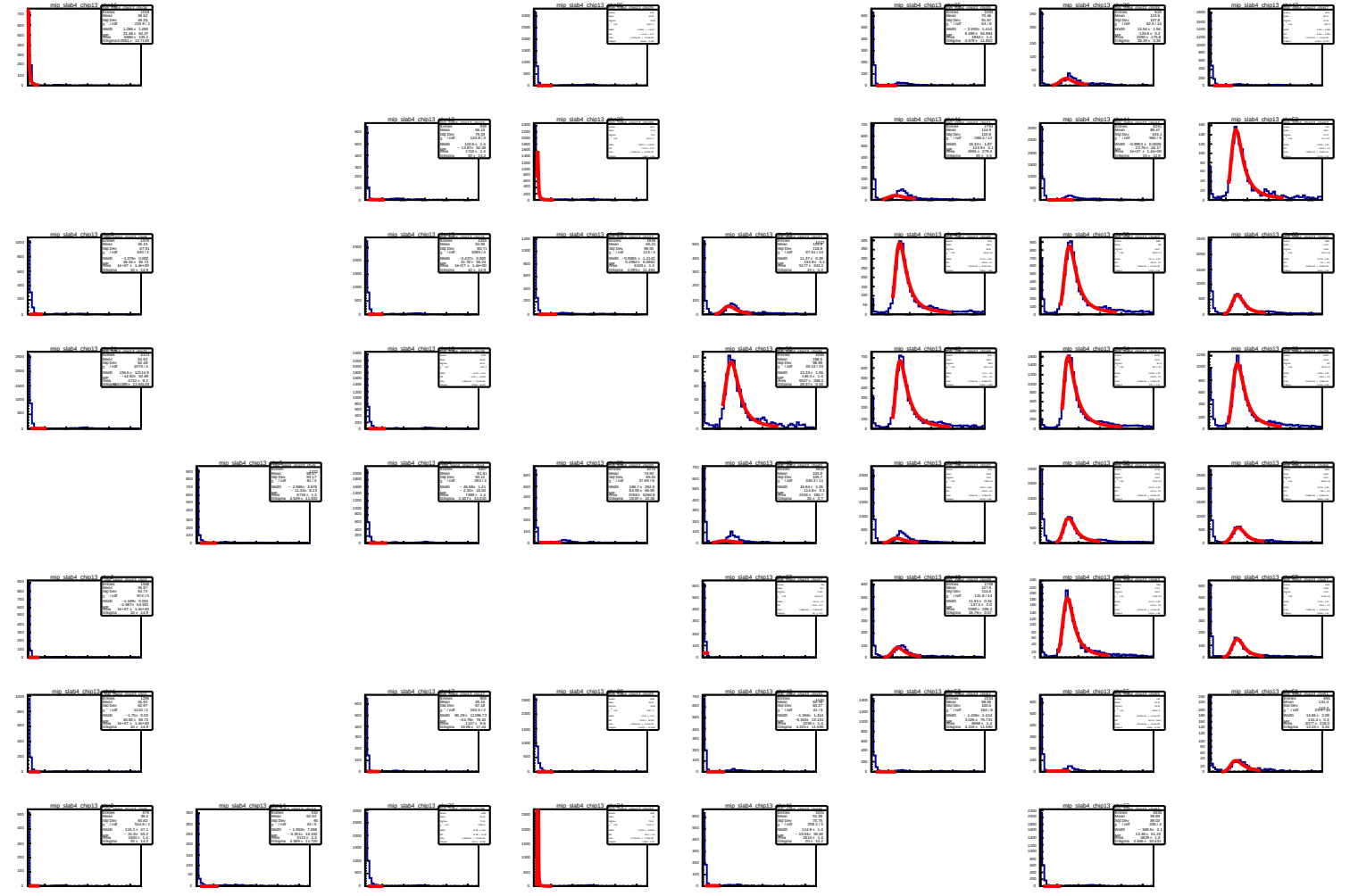



mip slab4 chip12
Entries 1000
Mean 2.705
Std Dev 0.2687
χ² / ndf 2.687 / 16
Width 2.705 ± 0.196
Mean 2.705 ± 0.1
MPV 2.705 ± 0.1
Integral 9.251 ± 0.01


mip slab4 chip12
Entries 1000
Mean 49.23
Std Dev 3.3
χ² / ndf 3.323 / 5
Width 4.2161 ± 14.5926
Mean 49.84 ± 0.1
MPV 49.84 ± 0.1
Integral 2.6101 ± 0.01


mip slab4 chip12
Entries 1000
Mean 39.2
Std Dev 2.3
χ² / ndf 2.318 / 14
Width 7.4214 ± 0.4
Mean 33.27 ± 30.00
MPV 27.61 ± 33.00
Integral 1.0101 ± 0.01


mip slab4 chip12
Entries 1000
Mean 140.5
Std Dev 3.1
χ² / ndf 8.021 / 10
Width 15.01 ± 3.74
Mean 121.8 ± 75.0
MPV 106.3 ± 75.0
Integral 37.1 ± 0.1


mip slab4 chip12
Entries 1000
Mean 67.54
Std Dev 3.1
χ² / ndf 5.798 / 5
Width 23.84 ± 16.45
Mean 67.54 ± 0.1
MPV 23.84 ± 16.45
Integral 7.01 ± 0.01