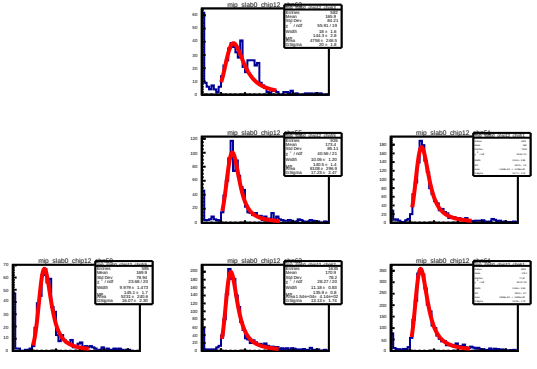
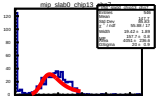
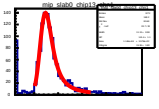
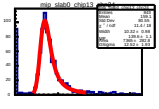
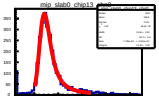
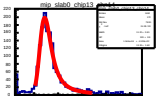

mip_slab0_chip12_chan56
mip_slab0_chip12_chan57
mip_slab0_chip12_chan58
mip_slab0_chip12_chan59
mip_slab0_chip12_chan60
mip_slab0_chip12_chan61
mip_slab0_chip12_chan62
mip_slab0_chip12_chan63

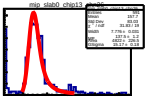

mip_slab0_chip13_chan5
Entries 1000
Mean 34.14
Std Dev 10.80 ± 7.77
χ² / ndf 33.80 / 17
Width 19.43 ± 1.16
Mpv 32.21 ± 0.48
Area 4351.7 ± 58.5
Congrns 99.9 ± 0.1

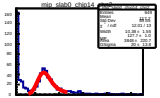

mip_slab0_chip13_chan4

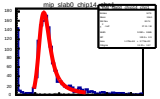

mip_slab0_chip13_chan3
Entries 1000
Mean 29.51
Std Dev 10.78
χ² / ndf 30.78 / 16
Width 10.21 ± 0.49
Mpv 32.21 ± 0.48
Area 1390.6 ± 7.3
Congrns 100.0 ± 0.0

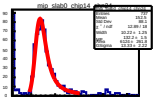

mip_slab0_chip13_chan2

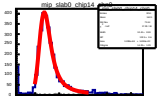

mip_slab0_chip13_chan1
Entries 1000
Mean 34.14
Std Dev 10.80 ± 7.77
χ² / ndf 33.80 / 17
Width 19.43 ± 1.16
Mpv 32.21 ± 0.48
Area 4351.7 ± 58.5
Congrns 99.9 ± 0.1

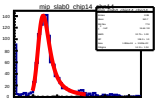

mip_slab0_chip13_chan0
Entries 1000
Mean 29.27
Std Dev 10.77 ± 7.76
χ² / ndf 31.63 / 18
Width 7.779 ± 0.201
Mpv 32.21 ± 0.48
Area 4920.4 ± 105.5
Congrns 99.47 ± 0.53

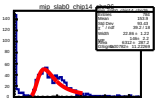

mip_slab0_chip14_chan0
Entries 1000
Mean 0.0
Std Dev 0.0
Underflow 0
Overflow 0
Integral 1000.0
χ² / ndf 10.01 / 13
Const 12.38 ± 3.59
Mean 127.7 ± 1.0
Sigma 10.4 ± 1.4
Integral 99.1 ± 13.8

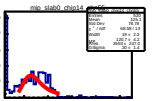

mip_slab0_chip14_chan1
Entries 1000
Mean 0.0
Std Dev 0.0
Underflow 0
Overflow 0
Integral 1000.0
χ² / ndf 20.41 / 16
Const 37.41 ± 4.9
Mean 49.4 ± 0.4
Sigma 4.9 ± 0.4
Integral 184.2 ± 18.4

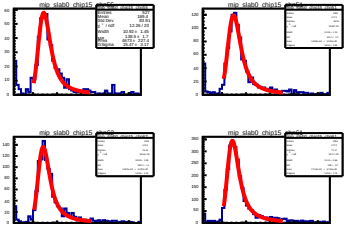

mip_slab0_chip14_chan2
Entries 1000
Mean 0.0
Std Dev 0.0
Underflow 0
Overflow 0
Integral 1000.0
χ² / ndf 14.21 / 13
Const 10.22 ± 1.25
Mean 132.2 ± 0.5
Sigma 6.0 ± 0.5
Integral 61.3 ± 6.1

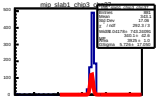

mip_slab0_chip14_chan3
Entries 1000
Mean 0.0
Std Dev 0.0
Underflow 0
Overflow 0
Integral 1000.0
χ² / ndf 19.46 / 16
Const 319.1 ± 18.1
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
Integral 319.1 ± 18.1

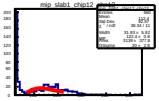

mip_slab0_chip14_chan4
Entries 1000
Mean 0.0
Std Dev 0.0
Underflow 0
Overflow 0
Integral 1000.0
χ² / ndf 14.79 / 16
Const 14.79 ± 1.67
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
Integral 14.79 ± 1.67

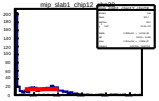

mip_slab0_chip14_chan5
Entries 1000
Mean 0.0
Std Dev 0.0
Underflow 0
Overflow 0
Integral 1000.0
χ² / ndf 39.27 / 16
Const 22.86 ± 1.22
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
Integral 0.0 ± 0.0
χ² / ndf 0.0 / 0.0
Const 0.0 ± 0.0

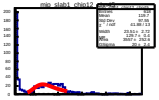

mip_slab0_chip14_chan55
Entries 1000
Mean 0.0
Std Dev 0.0
Underflow 0
Overflow 0
Integral 1000.0
χ² / ndf 25.17 / 16
Const 78.78 ± 4.7
Mean 68.0 ± 0.4
Sigma 3.9 ± 0.3
Integral 1320.7 ± 47.2
Const 1000.0 ± 0.0
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
Integral 0.0 ± 0.0

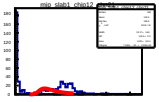

mip slab0 chip15 chan55
Entries 1000
Mean 59.11
Std Dev 10.91
χ² / ndf 12.2 / 13
Constant 52.92 ± 1.49
Mean 58.9 ± 1.7
Sigma 10.77 ± 0.12
Prob 0.5127 ± 0.0
mip slab0 chip15 chan56
mip slab0 chip15 chan57
mip slab0 chip15 chan58

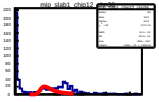

mip_slab1_chn3_cut3
Entries 1024
Mean 0.0
Mean x 0.0
Std Dev 292.3 / 0
Integral 7102.30000
Underflow 1005.00 22.00
Overflow 0.0000 0.0000
Integral 6.1000 / 7.000
500
400
300
200
100
0

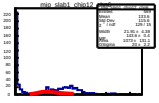

mip slab1 chip12 channel 0
Mean 1014
Std Dev 1.0
χ² / ndf 39.93 / 11
Width 31.93 ± 9.92
Mean 1.000 ± 0.000
Area 1.000 ± 0.000
Sigma 0.000 ± 0.000

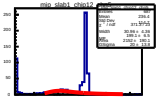

mip slab1 chip12 channel 1
Mean 1014
Std Dev 1.0
χ² / ndf 0 / 0
Width 0.00 ± 0.00
Mean 0.000 ± 0.000
Area 0.000 ± 0.000
Sigma 0.000 ± 0.000

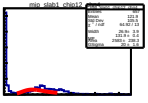

mip slab1 chip12 channel 2
Mean 1017
Std Dev 1.0
χ² / ndf 11.80 / 11
Width 20.51 ± 2.72
Mean 1.000 ± 0.000
Area 1.000 ± 0.000
Sigma 0.000 ± 0.000

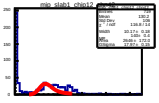

mip slab1 chip12 channel 3
Mean 1014
Std Dev 1.0
χ² / ndf 0 / 0
Width 0.00 ± 0.00
Mean 0.000 ± 0.000
Area 0.000 ± 0.000
Sigma 0.000 ± 0.000

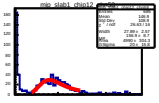

mip slab1 chip12 channel 4
Mean 1012
Std Dev 1.0
χ² / ndf 130.8 / 14
Width 10.17 ± 0.20
Mean 1.000 ± 0.000
Area 1.000 ± 0.000
Sigma 0.000 ± 0.000

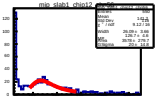

mip slab1 chip12 channel 5
Mean 1014
Std Dev 1.0
χ² / ndf 1250 / 16
Width 6.38 ± 0.16
Mean 1.000 ± 0.000
Area 1071 ± 161.1
Sigma 0.000 ± 0.000

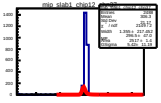

mip slab1 chip12 channel 6
Mean 1014
Std Dev 1.0
χ² / ndf 1171 / 11
Width 30.84 ± 4.25
Mean 1.000 ± 0.000
Area 2462 ± 369.3
Sigma 0.000 ± 0.000

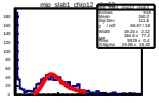

mip slab1 chip12 channel 7
Mean 1013
Std Dev 1.0
χ² / ndf 64.82 / 13
Width 19.95 ± 3.5
Mean 1.000 ± 0.000
Area 2583 ± 388.2
Sigma 0.000 ± 0.000

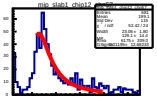

mip slab1 chip12 channel 8
Mean 1002
Std Dev 1.0
χ² / ndf 0 / 0
Width 0.00 ± 0.00
Mean 0.000 ± 0.000
Area 0.000 ± 0.000
Sigma 0.000 ± 0.000

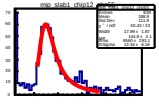

mip slab1 chip12 channel 9
Mean 1008
Std Dev 1.0
χ² / ndf 29.63 / 16
Width 17.49 ± 0.97
Mean 1.000 ± 0.000
Area 4000 ± 561.3
Sigma 0.000 ± 0.000

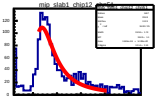

mip slab1 chip12 channel 10
Mean 1009
Std Dev 1.0
χ² / ndf 9.12 / 16
Width 25.08 ± 3.06
Mean 1.000 ± 0.000
Area 3650 ± 579.3
Sigma 0.000 ± 0.000

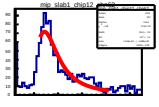

mip slab1 chip12 channel 11
Mean 1014
Std Dev 1.0
χ² / ndf 2215 / 15
Width 1.59 ± 217.03
Mean 296.67 ± 47.0
Area 1.000 ± 0.000
Sigma 0.000 ± 0.000

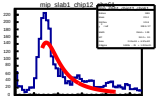

mip slab1 chip12 channel 12
Mean 1014
Std Dev 1.0
χ² / ndf 66.67 / 16
Width 29.35 ± 2.12
Mean 160.6 ± 77.2
Area 1.000 ± 0.000
Sigma 19.59 ± 14.12

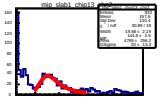

mip slab1 chip12 channel 13
Mean 1014
Std Dev 1.0
χ² / ndf 52.42 / 16
Width 23.89 ± 1.85
Mean 139.1 ± 14.4
Area 1.000 ± 0.000
Sigma 0.000 ± 0.000

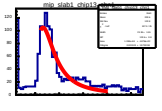

mip slab1 chip12 channel 14
Mean 1013
Std Dev 1.0
χ² / ndf 60.47 / 16
Width 17.99 ± 1.87
Mean 104.8 ± 2.1
Area 1.000 ± 0.000
Sigma 19.59 ± 14.12

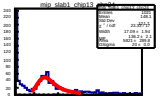

mip slab1 chip12 channel 15
Mean 1013
Std Dev 1.0
χ² / ndf 111.9 / 16
Width 20.07 ± 1.07
Mean 1.000 ± 0.000
Area 1.000 ± 0.000
Sigma 0.000 ± 0.000

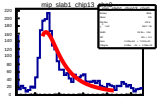

mip slab1 chip12 channel 16
Mean 1013
Std Dev 1.0
χ² / ndf 0 / 0
Width 0.00 ± 0.00
Mean 0.000 ± 0.000
Area 0.000 ± 0.000
Sigma 0.000 ± 0.000

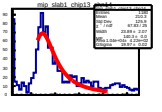

mip slab1 chip12 channel 17
Mean 1013
Std Dev 1.0
χ² / ndf 0 / 0
Width 0.00 ± 0.00
Mean 0.000 ± 0.000
Area 0.000 ± 0.000
Sigma 0.000 ± 0.000

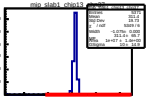

mip slab1 chip13 strip1
Entries 1214
Mean 151.4
Std Dev 21.2
χ² / ndf 35.687 / 14
width 19.68 ± 2.19
MPV 149.8 ± 2.6
Area 1.06e+04 ± 2.2e+02
Sigma 19.68 ± 13.8

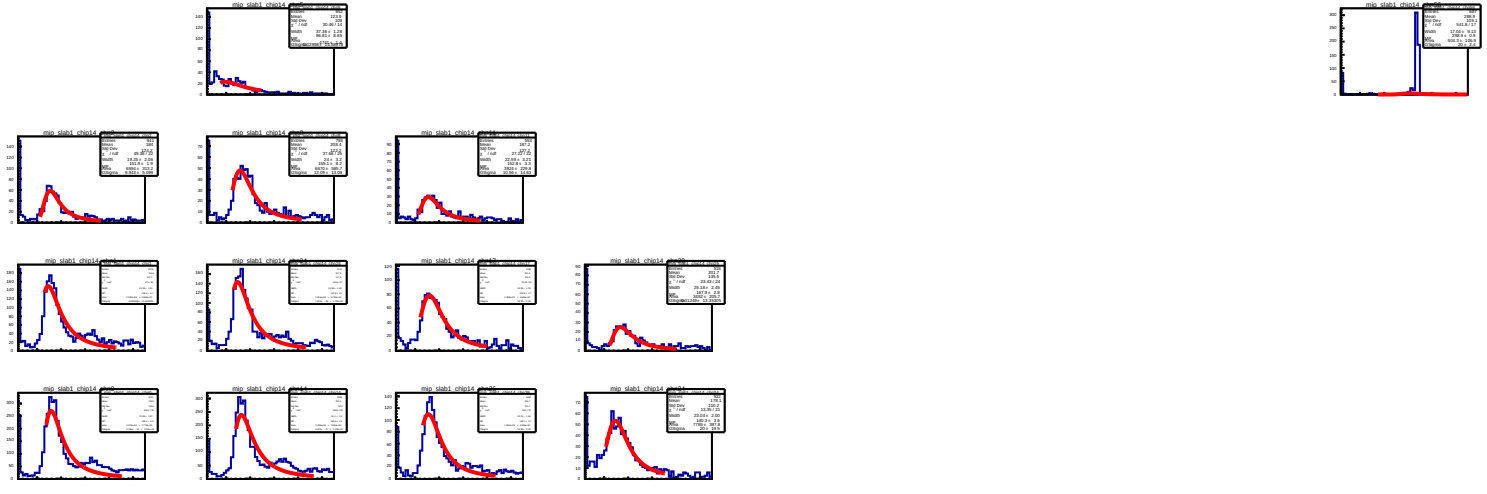

mip slab1 chip13 strip2
Entries 1214
Mean 151.4
Std Dev 21.2
χ² / ndf 35.687 / 14
width 19.68 ± 2.19
MPV 149.8 ± 2.6
Area 1.06e+04 ± 2.2e+02
Sigma 19.68 ± 13.8

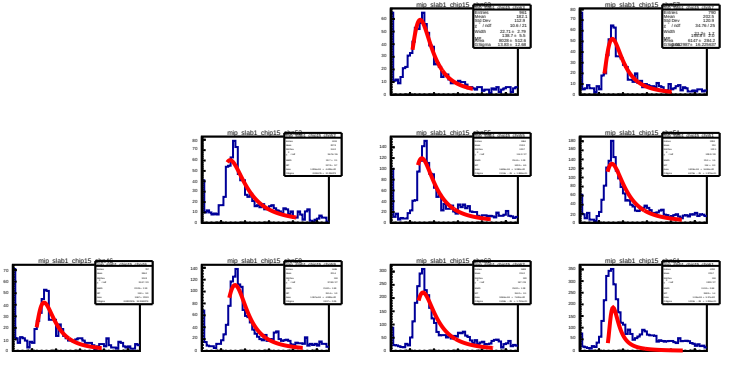

mip slab1 chip13 strip3
Entries 1214
Mean 151.4
Std Dev 21.2
χ² / ndf 35.687 / 14
width 19.68 ± 2.19
MPV 149.8 ± 2.6
Area 1.06e+04 ± 2.2e+02
Sigma 19.68 ± 13.8

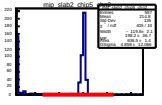

mip slab1 chip13 strip4
Entries 1214
Mean 151.4
Std Dev 21.2
χ² / ndf 35.687 / 14
width 19.68 ± 2.19
MPV 149.8 ± 2.6
Area 1.06e+04 ± 2.2e+02
Sigma 19.68 ± 13.8

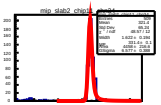

mip slab1 chip13 strip5
Entries 1214
Mean 151.4
Std Dev 21.2
χ² / ndf 35.687 / 14
width 19.68 ± 2.19
MPV 149.8 ± 2.6
Area 1.06e+04 ± 2.2e+02
Sigma 19.68 ± 13.8

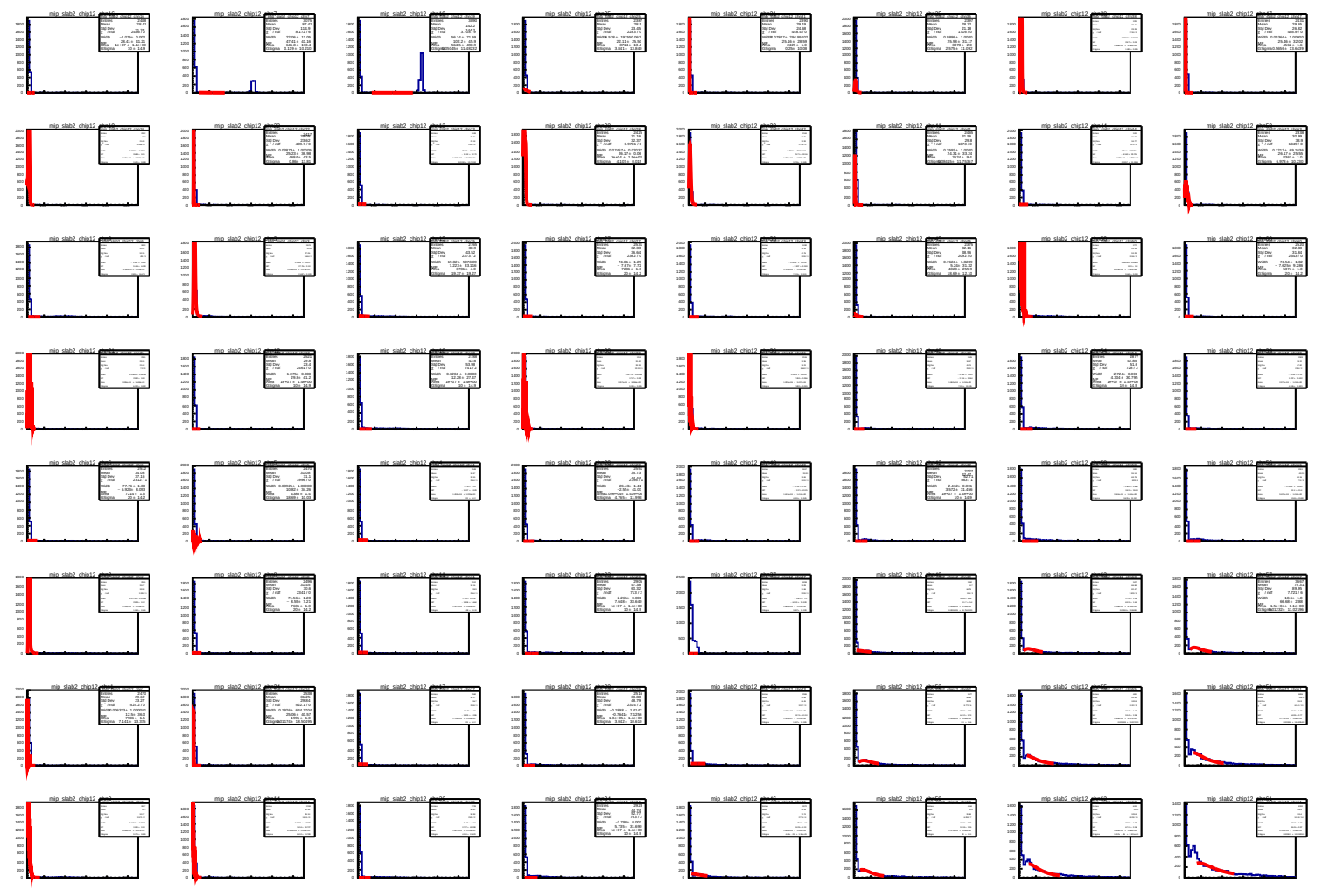

mip slab1 chip13 strip6
Entries 1214
Mean 151.4
Std Dev 21.2
χ² / ndf 5169.74
width 0.2756 ± 0.000
MPV 313.8 ± 66.7
Area 54.7 ± 1.4e+07
Sigma 0.2756 ± 0.0

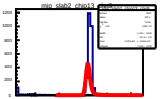

mip slab1 chip14
mip slab1 chip14
mip slab1 chip14
mip slab1 chip14
mip slab1 chip14
mip slab1 chip14
mip slab1 chip14
mip slab1 chip14
mip slab1 chip14
mip slab1 chip14
mip slab1 chip14
mip slab1 chip14
mip slab1 chip14
mip slab1 chip14
mip slab1 chip14
mip slab1 chip14

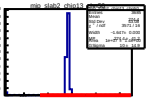

mip slab1 chip15 strip32
mip slab1 chip15 strip33
mip slab1 chip15 strip34
mip slab1 chip15 strip35
mip slab1 chip15 strip36
mip slab1 chip15 strip37
mip slab1 chip15 strip38
mip slab1 chip15 strip39
mip slab1 chip15 strip40
mip slab1 chip15 strip41

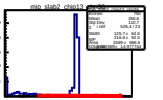

mip_slab2_chip5_chan2
Entries 1000
Mean 71.16
Std Dev 11.04
χ² / ndf 409 / 10
Const 1.119e 2 ± 2.2
MPV 180.0 ± 36.7
Sigma 4.000 ± 1.000
Integral 4000 ± 1.000
220
200
180
160
140
120
100
80
60
40
20
0

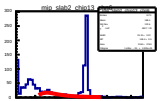

mip_slab2_chip1
Entries 1000
Mean 10.12
Underflow 0
Overflow 0
χ² / ndf 18.57 / 12
Width 1.625 ± 0.398
Mean 0.0001 ± 0.0000
Sigma 0.0001 ± 0.0000
Integral 6.577e + 3
200
180
160
140
120
100
80
60
40
20
0

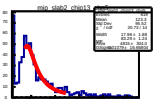


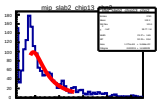

mip slab2 chip13

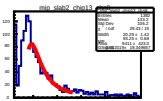

mip slab2 chip13

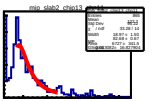

mip slab2 chip13

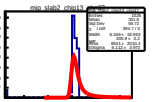

mip slab2 chip13

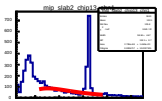

mip slab2 chip13

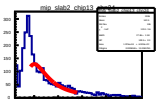

mip slab2 chip13

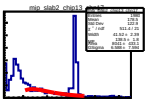

mip slab2 chip13

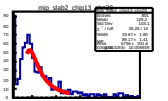

mip slab2 chip13

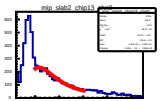

mip slab2 chip13

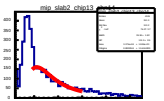

mip slab2 chip13

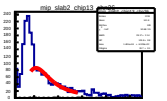

mip slab2 chip13

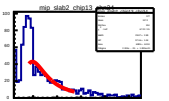

mip slab2 chip13

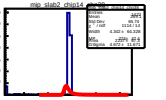

mip slab2 chip13

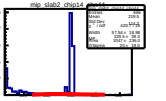

mip slab2 chip13

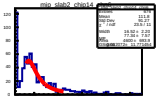

mip slab2 chip13

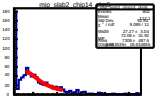

mip slab2 chip13

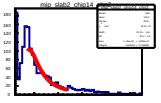

mip slab2 chip13

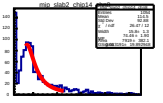

mip slab2 chip14

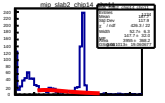

mip slab2 chip14

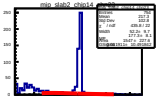

mip slab2 chip14

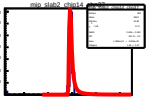

mip slab2 chip14

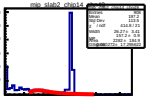

mip slab2 chip14

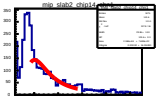

mip slab2 chip14

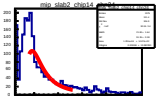

mip slab2 chip14

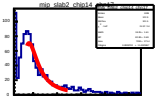

mip slab2 chip14

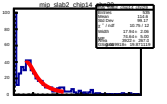

mip slab2 chip14

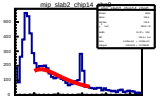

mip slab2 chip14

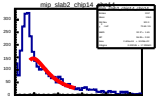

mip slab2 chip14

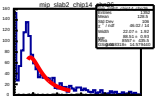

mip slab2 chip14

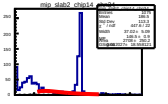

mip slab2 chip14

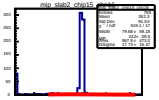

mip slab2 chip14

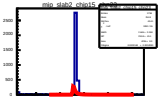

mip slab2 chip14

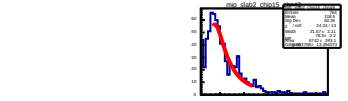

mip slab2 chip14

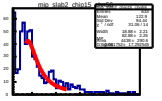

mip slab2 chip14

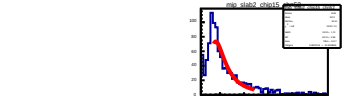

mip slab2 chip14

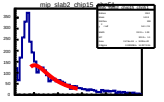

mip_slab2_chip15_chan32
Entries 2412
Mean 24.17
Std Dev 91.42
χ² / ndf 639.1 / 17
Width 79.60 ± 58.18
MPV 58.47 ± 0.53
Area 947.8 ± 27.53
Sigma 17.79 ± 0.23

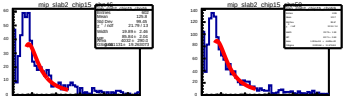

mip_slab2_chip15_chan33

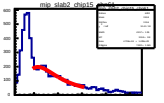

mip_slab2_chip15_chan34
mip_slab2_chip15_chan35
mip_slab2_chip15_chan36

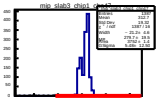

mip_slab2_chip15_chan37

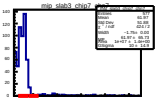

mip_slab2_chip15_chan38
mip_slab2_chip15_chan39
mip_slab2_chip15_chan40

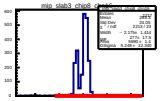

mip_slab2_chip15_chan41

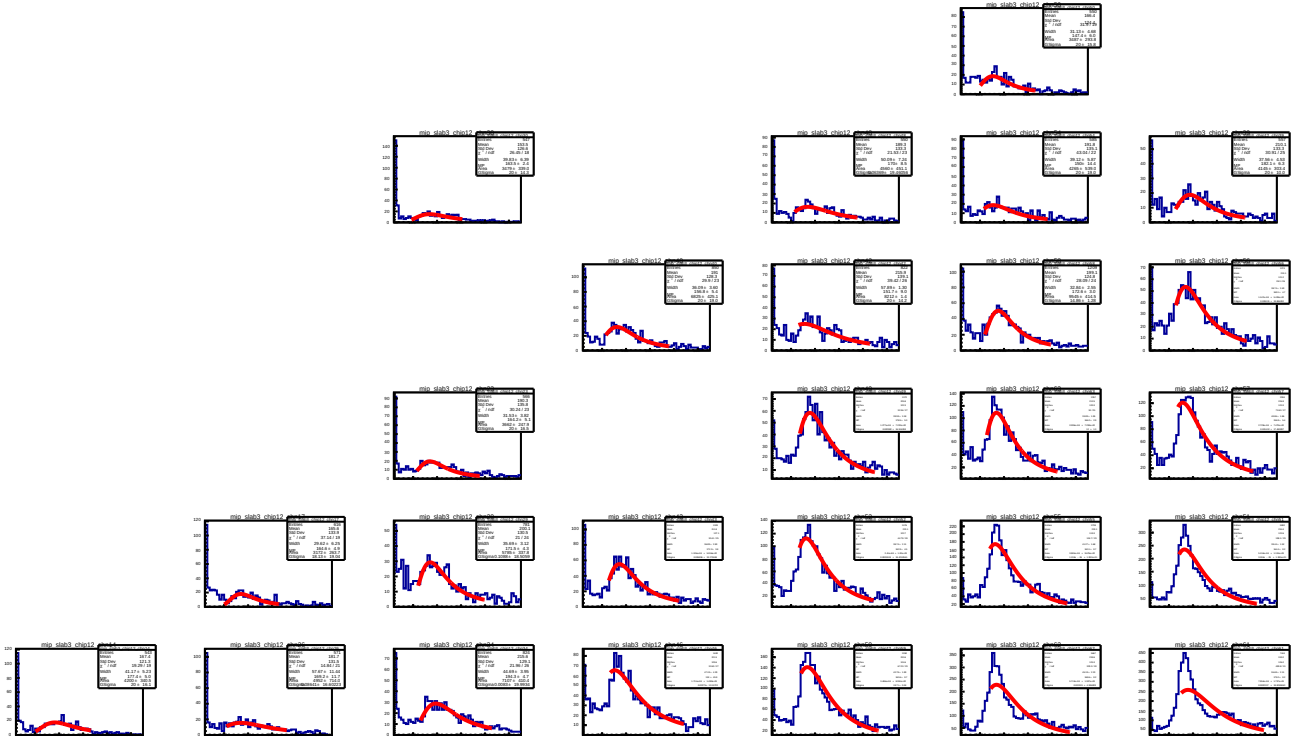

mip_slab2_chip15_chan42
mip_slab2_chip15_chan43
mip_slab2_chip15_chan44
mip_slab2_chip15_chan45

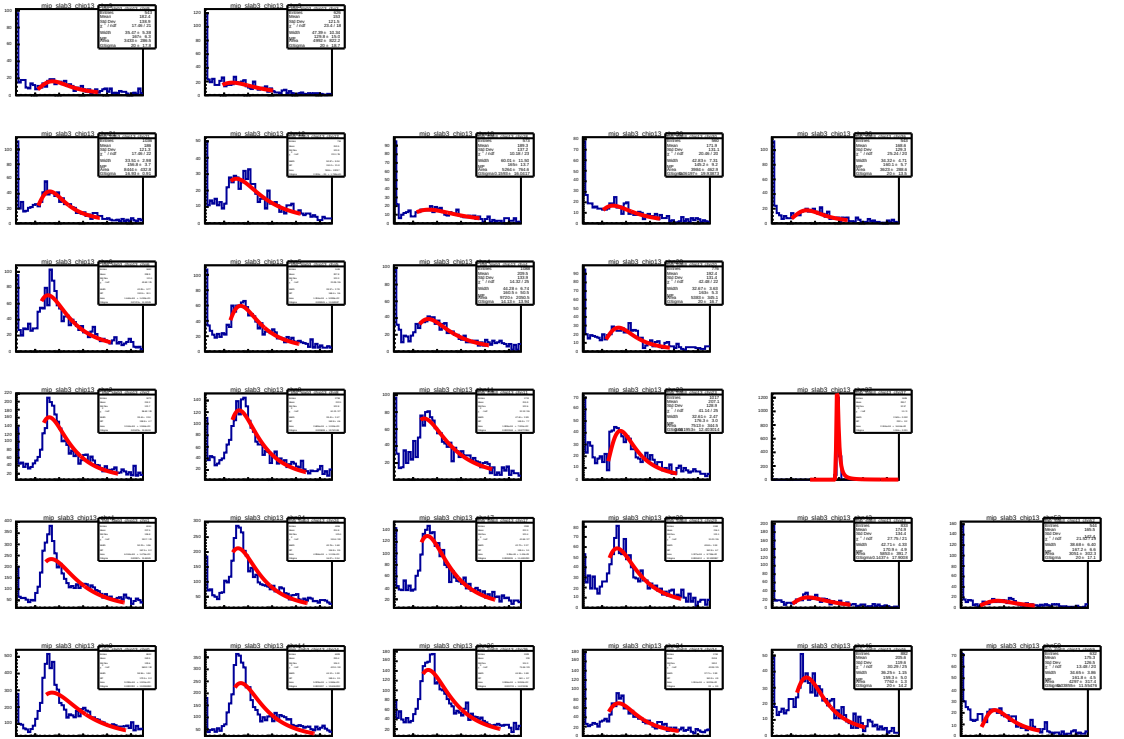

mip_slab2_chip15_chan46

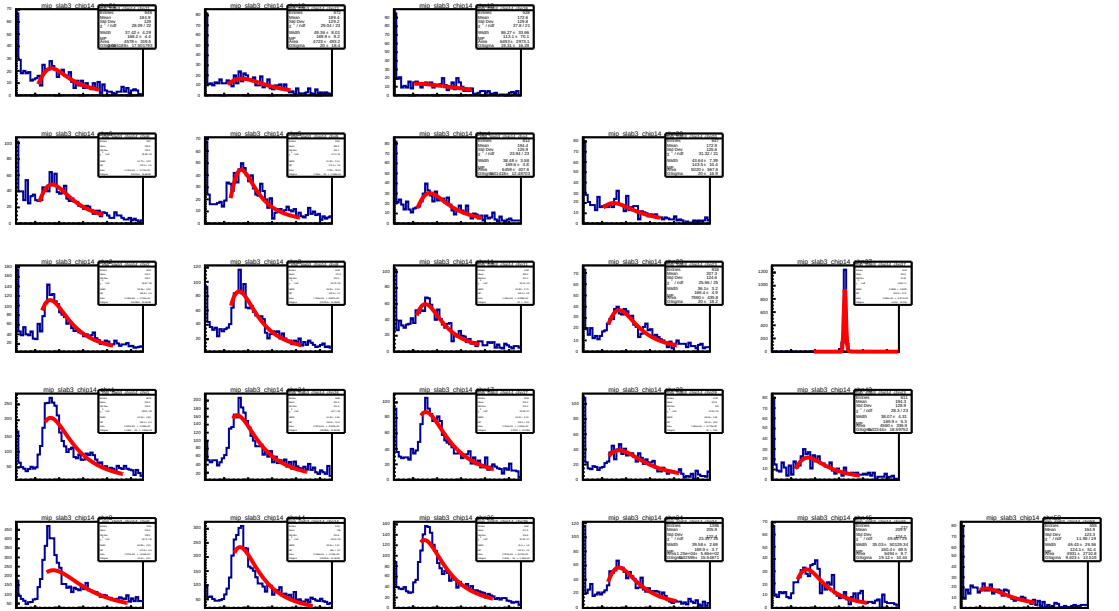

mip_slab3_chip1_chan3
Entries 1000
Mean 1.02
Std Dev 19.32
χ² / ndf 2387.7/4
Width 72.2± 4.4
Peak 2750.0± 0.0
Mean 0.000± 0.000
Sigma 0.000± 0.000

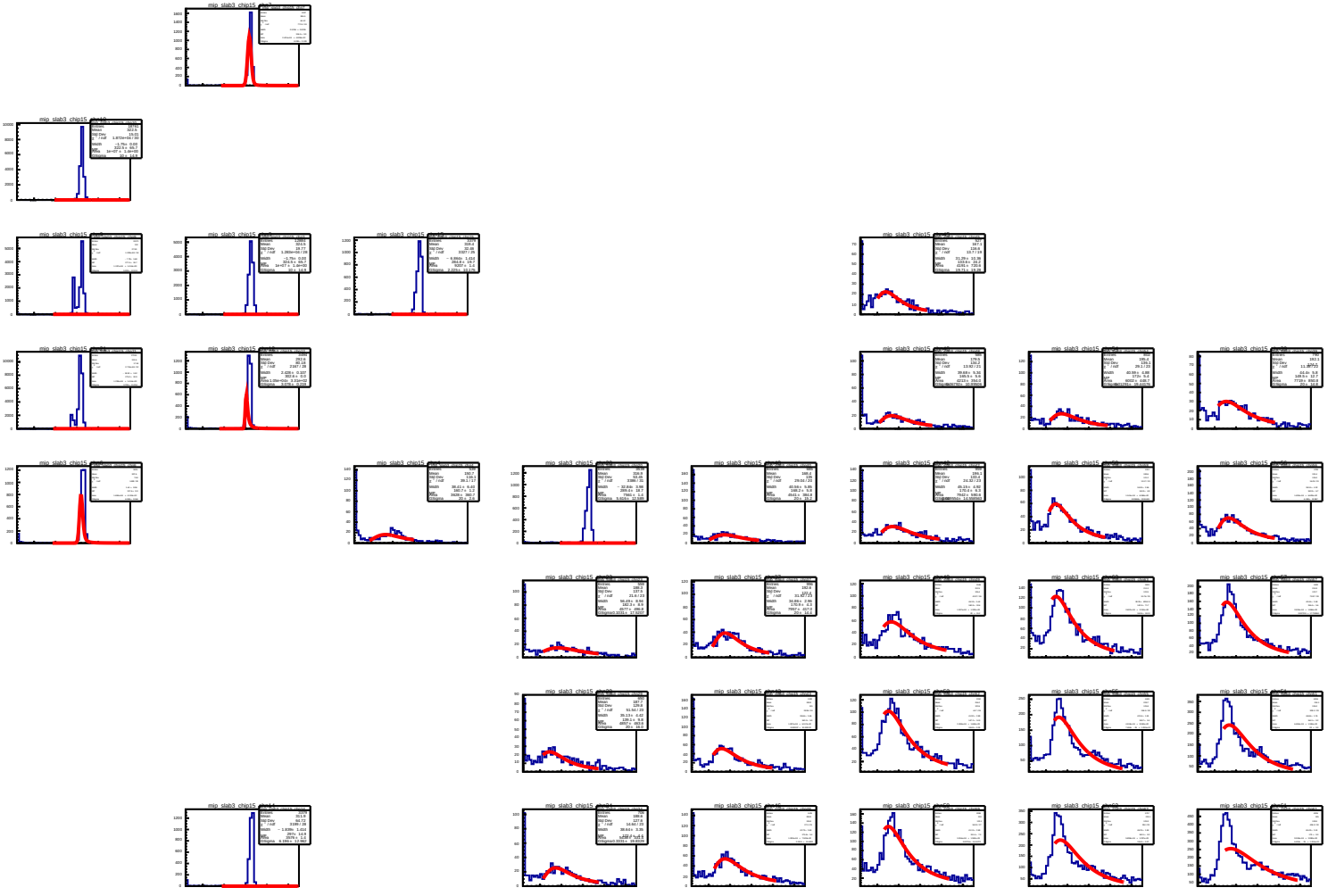

mip slab3 chip7 ch2
Entries 1000
Mean 41.57
Std Dev 32.29
χ² / ndf 2212 / 1
Width -1.75e-15
Mean 41.57
Sigma 32.27
Integral 10.0
Underflow 0
Overflow 0
160
140
120
100
80
60
40
20
0

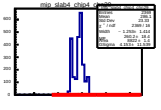

msp_slab3_chip8_c4ch5
Entries 1457
Mean 28.05
Std Dev 2221.73
Underflow - 2.175e- 1.414
Overflow 9.000e+ 1.0
Integral 1.000e+ 1.0
Integrals 1.000e+ 1.000
600
500
400
300
200
100
0

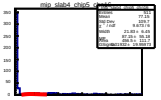

mip slab3 chip12
Mean
Std Dev
χ² / ndf
Width
MPV
Integral

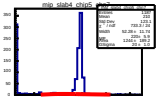


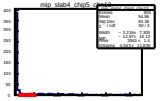


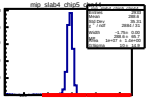


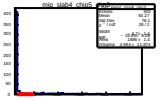

mip slab4 chip4 ch20
Entries 2000
Mean 250.1
Std Dev 23.32
χ² / ndf 1.08
p1 1.250e+ 3.44
p2 250.2 ± 10.4
p3 23.32 ± 0.33
Integral 4.500e+ 0.00
625
500
375
250
125
0
0
50
100
150
200
250
300
350
400
450
500

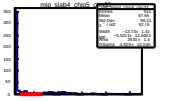

mip slab4 chip5 chan0
Entries 1 10
Mean 73.10
Std Dev 9.673 16
χ² / ndf 159.7
Width 73.00 ± 6.05
Mean 73.10 ± 0.68
MPV 208.6 ± 115.7
Integral 4.424e+04 ± 14.0e+03


mip slab4 chip5 chan1
Entries 1 10
Mean 52.24
Std Dev 1.213
χ² / ndf 730.2 / 74
Width 52.24 ± 11.74
Mean 52.24 ± 0.12
MPV 1.242e+ 34 ±
Integral 24 ± 0

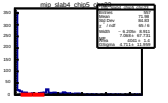

mip slab4 chip5 chan2
Entries 1 10
Mean 54.96
Std Dev 1.000
χ² / ndf 557.3
Width − 0.2194± 7.895
Mean − 0.2194± 7.895
MPV − 2.9e+ 1 ± 1.2
Integral 4.147e+ 14 ± 0.0

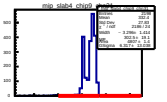

mip slab4 chip5 chan3
Entries 1 10
Mean 200.8
Std Dev 1.000
χ² / ndf 2684.7 / 11
Width − 0.7Ε± 0.92
Mean − 0.7Ε± 0.92
MPV 1e+07 ± 1.2e+02
Integral 24 ± 0

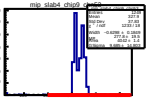

mip slab4 chip5 chan4
Entries 1 10
Mean 50.27
Std Dev 1.000
χ² / ndf 29.7
Width − 10.62 ± 5.4
Mean − 10.62 ± 5.4
MPV − 1.000 ± 1.0
Integral 0.0e+00 ± 0.0e+

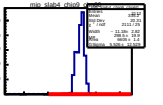

mip slab4 chip5 chan5
Entries 1 10
Mean 87.60
Std Dev 1.000
χ² / ndf 93.15
Width − 13.70± 1.41
Mean −0.5e+01 ± 1.4e+01
MPV − 1.000 ± 1.0
Integral 4.147e+ 14 ± 0.0

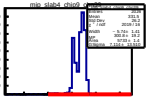
mip slab4 chip5 chan6
Entries 1 10
Mean 0.12
Std Dev 62.12
χ² / ndf 537.1
Width − 0.3194± 1.414
Mean − 0.3194± 1.414
MPV − 2e+04 ± 1.2
Integral 4.147e+ 14 ± 0.0

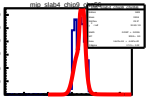

mip slab4 chip5 chan7
Entries 1 10
Mean 21.72
Std Dev 66.19
χ² / ndf 66.19
Width − 0.2Ε± 0.61
Mean − 7.2e+01 ± 67.2e
MPV − 1.000 ± 1.0
Integral 4.147e+ 14 ± 0.0

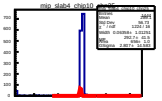

mip_slab4_chip2_chan24
Entries 3212
Mean 27.03
Std Dev 2180.74
χ² / ndf 1.454 / 1
Prob 0.0000
Constant 3.2396e+03 ± 1.414e+01
Mean -0.0277 ± 0.0
Sigma 0.9171 ± 0.016

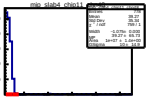

mip_slab4_chip2_chan25
Entries 3274
Mean 0.0
Std Dev 1232.73
χ² / ndf 1.0000 / 1
Prob 0.0000
Constant 3.2396e+03 ± 1.414e+01
Mean -0.0280 ± 0.0000
Sigma 0.9171 ± 0.0
Sigma 0.9171 ± 0.0

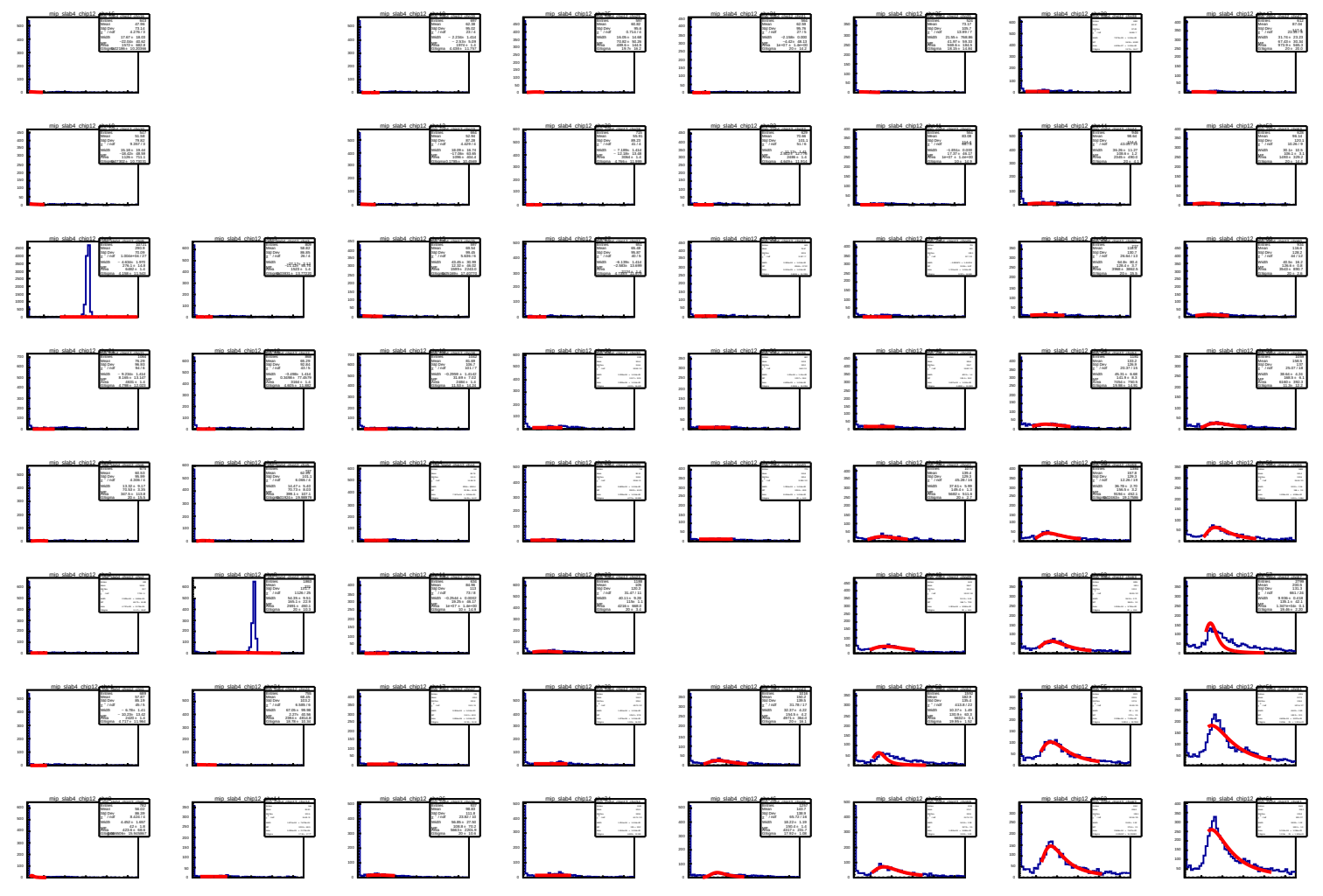

mip_slab4_chip2_chan26
Entries 3187
Mean 0.0
Std Dev 2117.75
χ² / ndf 1.000 / 1
Prob 0.0000
Constant 3.2396e+03 ± 1.414e+01
Mean -11.98 ± 0.0
Sigma 2918.4 ± 0.0
Sigma 2918.4 ± 0.0

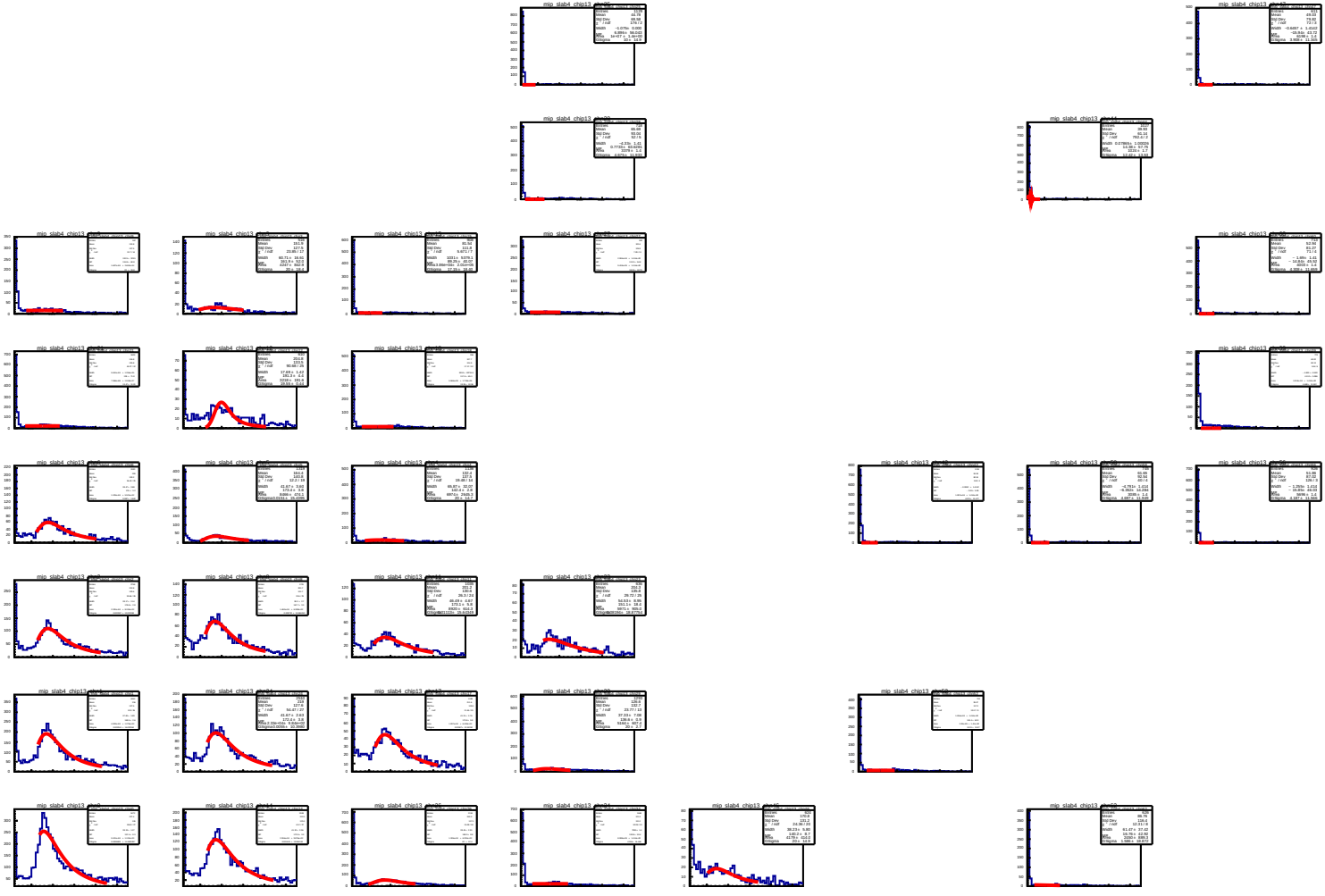

mip_slab4_chip2_chan27
Entries 3214
Mean 0.0
Std Dev 2117.75
χ² / ndf 1.000 / 1
Prob 0.0000
Constant 3.2396e+03 ± 1.414e+01
Mean 5.301e+ 1.0
Sigma 3918.4 ± 0.0
Sigma 3918.4 ± 0.0

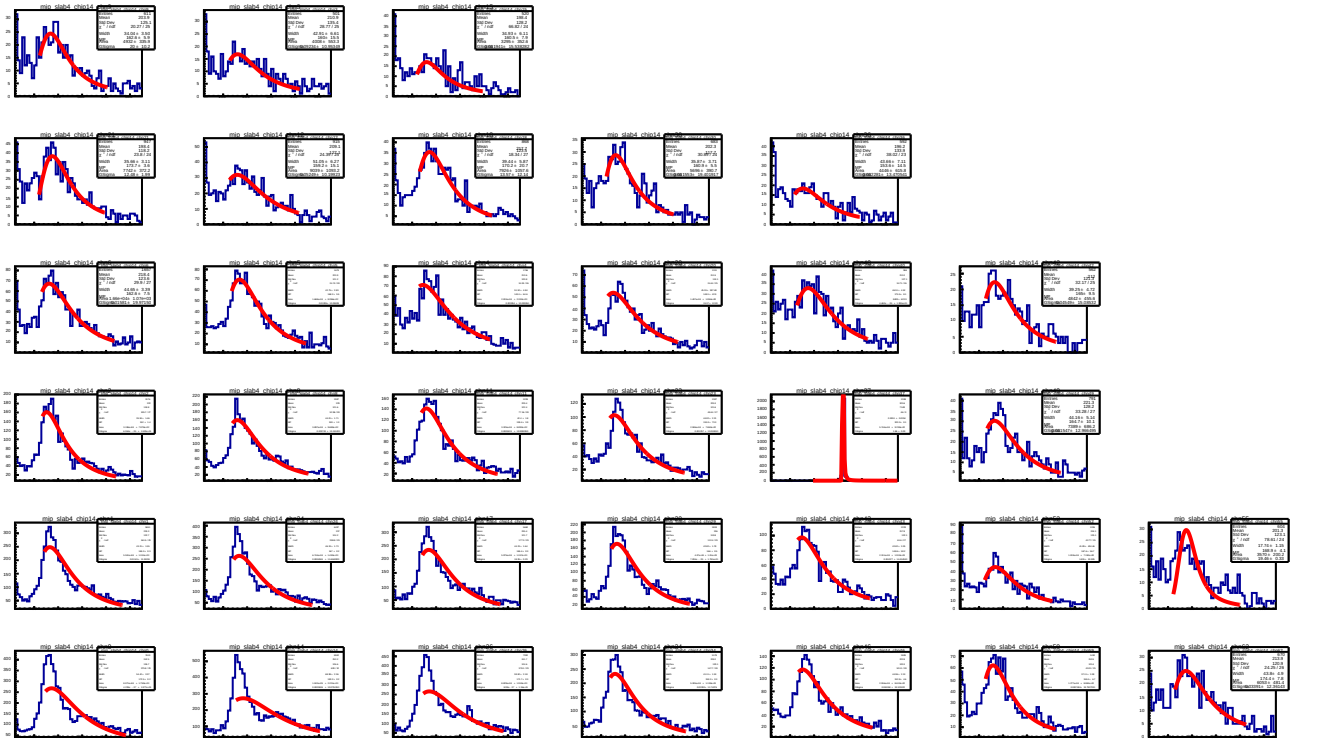

mip_slab4_chip2_chan28
Entries 3214
Mean 0.0
Std Dev 2117.75
χ² / ndf 1.000 / 1
Prob 0.0000
Constant 3.2396e+03 ± 1.414e+01
Mean 5.301e+ 1.0
Sigma 3918.4 ± 0.0
Sigma 3918.4 ± 0.0

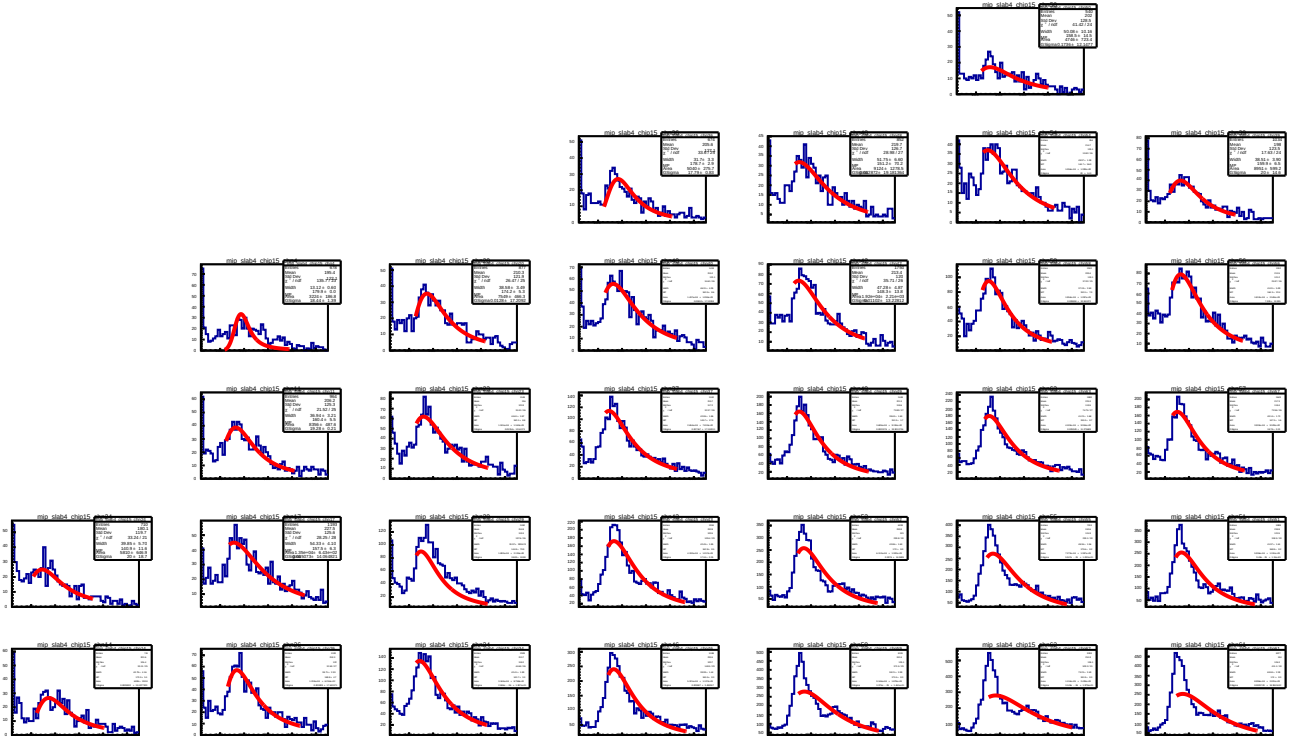

mip_slab4_chb232_mc_05
Entries 2665
Mean 96.73
Std Dev 2253.74
Underflow 0.0000e+00 1.0000e+
Overflow 2664. 99.9
Integral 2.6671e+03
700
600
500
400
300
200
100
0


mip_sipm2_chan14_gain20
Entries 35.10
Mean 35.10
Std Dev 35.10
χ² / ndf 0.00
Mean -0.0250± 0.0400
Sigma 29.27± 0.0470
Const 34+07 ± 3.0e+00
Const 1.00
200
150
100
50
0








mip slab4 chip15
mip slab4 chip15
mip slab4 chip15