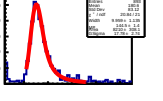
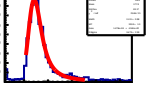
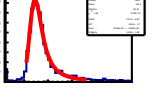
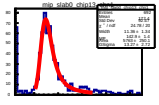
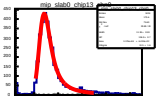
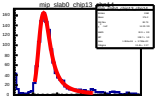

mip_slab0_chip12_chan56
Entries 1907
Mean 83.12
Std Dev 8.112
χ² / ndf 1.165 / 1
Const 9.998e+ 0.116
Mean 1.043e+ 0.4
Sigma 0.7191 ± 0.0
Integral 9.998e+ ± 0.0

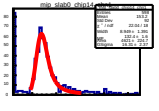

mip_slab0_chip12_chan58
Entries 1907
Mean 83.12
Std Dev 8.112
χ² / ndf 1.165 / 1
Const 9.998e+ 0.116
Mean 1.043e+ 0.4
Sigma 0.7191 ± 0.0
Integral 9.998e+ ± 0.0

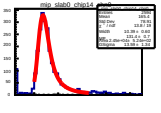

mip_slab0_chip12_chan59
Entries 1907
Mean 83.12
Std Dev 8.112
χ² / ndf 1.165 / 1
Const 9.998e+ 0.116
Mean 1.043e+ 0.4
Sigma 0.7191 ± 0.0
Integral 9.998e+ ± 0.0

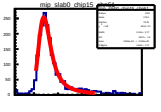

mip_slab0_chip13_chan4
Entries 1000
Mean 12.57
Std Dev 2.518
χ² / ndf 24.15 / 19
Constant 11.38 ± 1.16
MPV 5.65 ± 0.0
Width 0.9777 ± 0.0
Sigma 2.172 ± 0.12

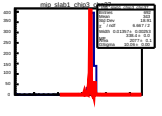

mip_slab0_chip13_chan5
Entries 1000
Mean 14.21
Std Dev 2.74
χ² / ndf 19.46 / 16
Constant 14.46 ± 0.61
MPV 5.71 ± 0.0
Width 0.9777 ± 0.0
Sigma 2.135 ± 0.0

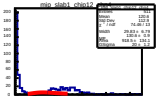

mip_slab0_chip13_chan6
Entries 1000
Mean 14.21
Std Dev 2.74
χ² / ndf 19.46 / 16
Constant 14.46 ± 0.61
MPV 5.71 ± 0.0
Width 0.9777 ± 0.0
Sigma 2.135 ± 0.0

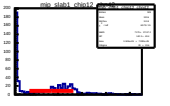

mip_slab0_chip14_chan1
Entries 1000
Mean 19.12
Std Dev 3.32
χ² / ndf 22.02 / 10
p0 0.924 ± 1.200
Mean 132.4 ± 1.6
Sigma 19.11 ± 0.17
Integral 197.5 ± 2.2

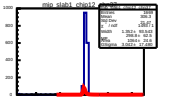

mip_slab0_chip14_chan2
Entries 1000
Mean 13.61
Std Dev 1.18
χ² / ndf 13.81 / 18
p0 13.38 ± 0.60
Mean 13.61 ± 0.02
Sigma 1.18e+00 ± 1.12e+02
Integral 13.48 ± 0.72

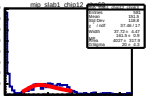

mip_slab0_chip15_ped4b
Entries 1.0e+06
Mean 1.1e+02
RMS 1.1e+02
Underflow 0.0e+00
Overflow 0.0e+00
Integral 1.0e+06
Skewness 1.1e+01
Kurtosis 1.8e+02
Chi2 / ndf 1.1e+04 / 1
Prob 0.0e+00
Constant 1.0e+06 ± 1.0e+03
MPV 1.0e+02 ± 1.0e-01
Sigma 1.0e+01 ± 1.0e-01
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
20
40
60
80
100
120
140
160
180
200

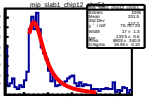

mip_slab1_chip3_c_ch3
Entries 100
Mean 0.02
Std Dev 0.03
Underflow 0
Overflow 0
Integral 6.667E-2
Mean 0.01367± 0.00203
Sigma 0.0 ± 0.0
Mean 0.01367± 0.00203
Sigma 0.0 ± 0.0
400
350
300
250
200
150
100
50
0

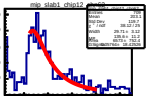

mip slab1 chip12 channel 0
Entries 1024
Mean 102.4
Std Dev 102.4
χ² / ndf 76.48 / 13
Width 19.61 ± 0.79
Mean 53.51 ± 0.12
MPV 53.51 ± 0.12
Integral 20.1 ± 1.2

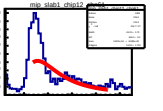

mip slab1 chip12 channel 1
Entries 1024
Mean 102.4
Std Dev 102.4
χ² / ndf 37.46 / 17
Width 27.72 ± 4.47
Mean 143.4 ± 3.9
MPV 143.4 ± 3.9
Integral 37.72 ± 2.3

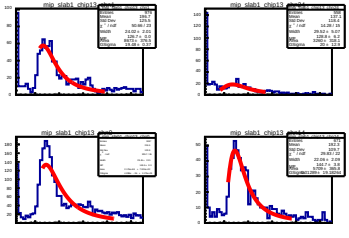

mip slab1 chip12 channel 2
Entries 1024
Mean 102.4
Std Dev 102.4
χ² / ndf 1.28 / 1
Width 1.28 ± 63.63
Mean 2308.8 ± 62.9
MPV 2308.8 ± 62.9
Integral 3.4375 ± 7.210

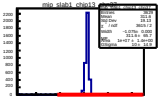

mip slab1 chip12 channel 3
Entries 1024
Mean 102.4
Std Dev 102.4
χ² / ndf 37.46 / 17
Width 27.72 ± 4.47
Mean 143.4 ± 3.9
MPV 143.4 ± 3.9
Integral 37.72 ± 2.3

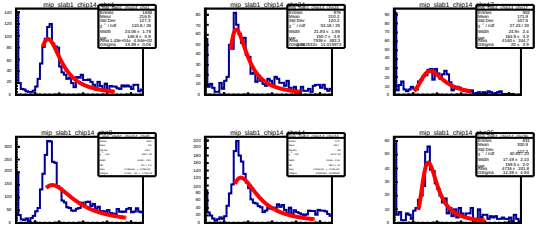

mip slab1 chip12 channel 4
Entries 1024
Mean 102.4
Std Dev 102.4
χ² / ndf 1.28 / 1
Width 1.28 ± 63.63
Mean 2308.8 ± 62.9
MPV 2308.8 ± 62.9
Integral 3.4375 ± 7.210

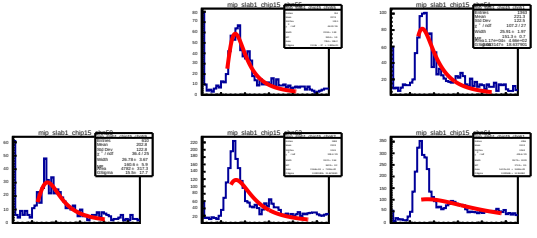

mip slab1 chip12 channel 5
Entries 1024
Mean 102.4
Std Dev 102.4
χ² / ndf 38.12 / 29
Width 29.75 ± 3.12
Mean 143.6 ± 2.6
MPV 143.6 ± 2.6
Integral 38.12 ± 2.5

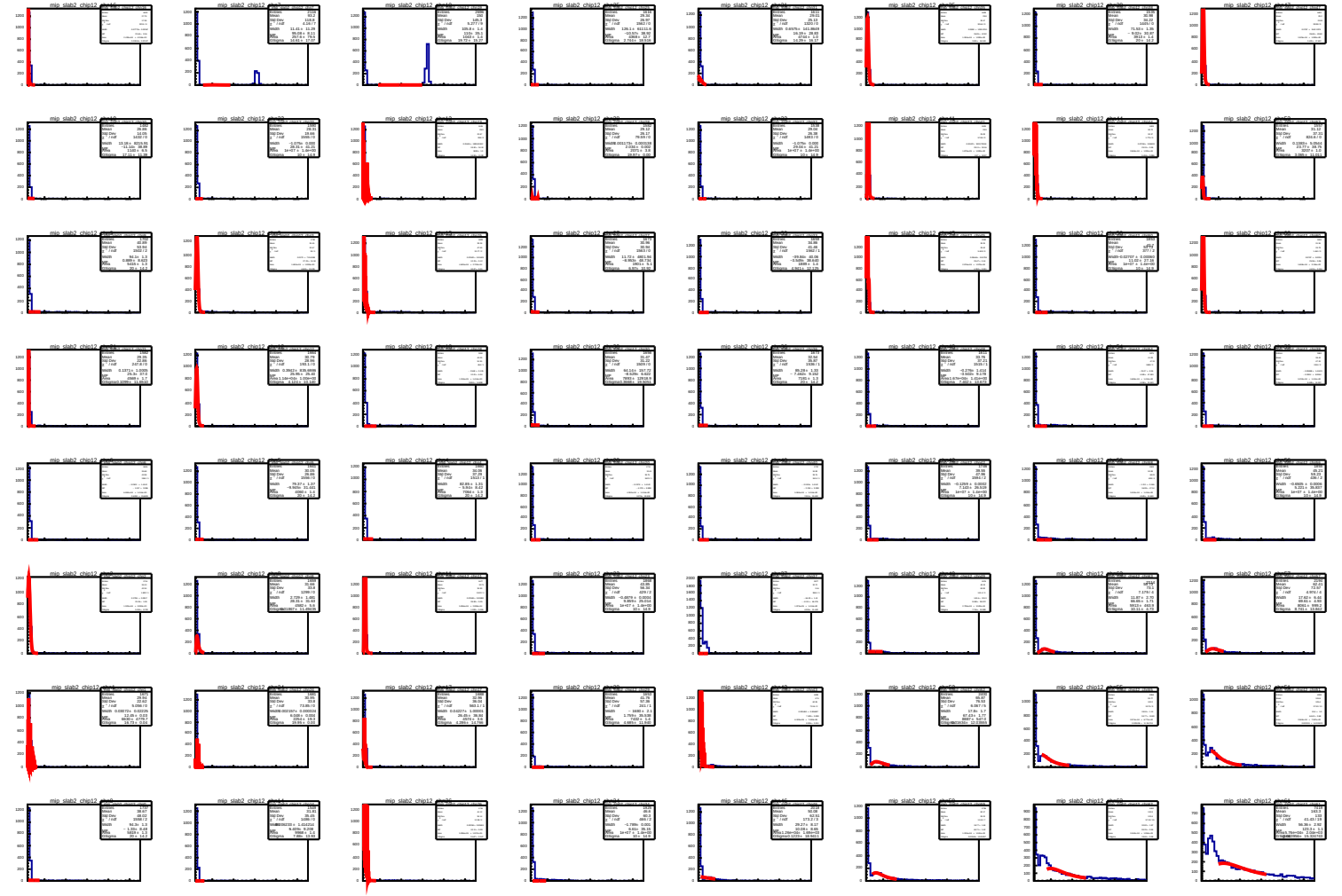

mip slab1 chip12 channel 6
Entries 1024
Mean 102.4
Std Dev 102.4
χ² / ndf 1.28 / 1
Width 1.28 ± 63.63
Mean 2308.8 ± 62.9
MPV 2308.8 ± 62.9
Integral 3.4375 ± 7.210

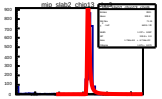

mip slab1 chip13 strip1
mip slab1 chip13 strip2
mip slab1 chip13 strip3
mip slab1 chip13 strip4

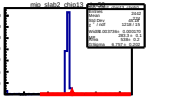

mip slab1 chip13 strip5

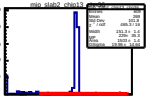

mip slab1 chip14 chan1
Entries 1024
Mean 33.57
Std Dev 127.3
χ² / ndf 1020 / 1
Constant 24.08 ± 3.79
MPV 340.9 ± 0.6
Width 11.63e-07 ± 0.00
Sigma 19.49 ± 0.02
mip slab1 chip14 chan2
Entries 1024
Mean 202.7
Std Dev 120.2
χ² / ndf 1024 / 1
Constant 21.63 ± 1.95
MPV 280.7 ± 0.9
Width 1.000 ± 0.000
Sigma 19.51 ± 0.02
mip slab1 chip14 chan3
Entries 1024
Mean 33.57
Std Dev 107.6
χ² / ndf 1024 / 1
Constant 32.94 ± 2.4
MPV 340.9 ± 0.3
Width 1.000 ± 0.0
Sigma 20.12 ± 0.1
mip slab1 chip14 chan4
Entries 1024
Mean 33.57
Std Dev 127.3
χ² / ndf 1024 / 1
Constant 1.000 ± 0.0
MPV 340.9 ± 0.0
Width 1.000 ± 0.0
Sigma 19.49 ± 0.0
mip slab1 chip14 chan5
Entries 1024
Mean 33.57
Std Dev 127.3
χ² / ndf 1024 / 1
Constant 1.000 ± 0.0
MPV 340.9 ± 0.0
Width 1.000 ± 0.0
Sigma 19.49 ± 0.0
mip slab1 chip14 chan6
Entries 1024
Mean 33.57
Std Dev 127.3
χ² / ndf 1024 / 1
Constant 40.87 ± 0.0
MPV 17.49 ± 0.0
Width 1.000 ± 0.0
Sigma 12.04 ± 0.0

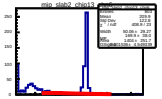

mip slab1 chip15 ch55
Entries 1000
Mean 122.3
Std Dev 122.3
χ² / ndf 26.27 / 25
Width 26.78 ± 3.97
MPV 47.02 ± 0.71
Area 4707 ± 317.5
Integral 1000
mip slab1 chip15 ch56
Entries 1000
Mean 122.3
Std Dev 122.3
χ² / ndf 19.13 / 25
Width 35.61 ± 1.47
MPV 153.6 ± 0.7
Area 1111 ± 31.8
Integral 1000
mip slab1 chip15 ch57
mip slab1 chip15 ch58
mip slab1 chip15 ch59
mip slab1 chip15 ch60

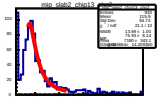


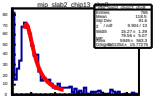

mip slab2 chip13

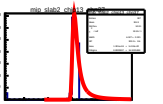

mip slab2 chip13

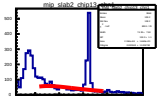

mip slab2 chip13

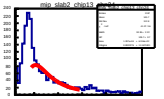

mip slab2 chip13

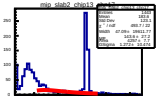

mip slab2 chip13

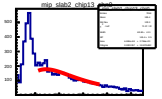

mip slab2 chip13

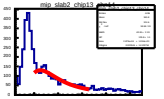

mip slab2 chip13

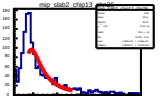

mip slab2 chip13

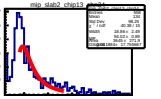

mip slab2 chip13

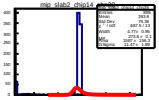

mip slab2 chip13

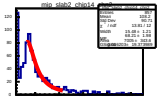

mip slab2 chip13

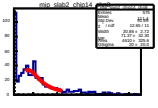

mip slab2 chip13

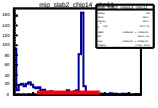

mip slab2 chip13

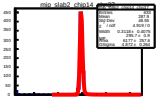

mip slab2 chip13

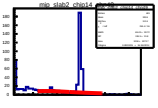

mip_slab2_chip14_strip2
Entries 2412
Mean 24.12
Std Dev 25.38
χ² / ndf 687.3 / 13
Width 0.771 ± 0.061
Area 1.000 ± 0.000
MPV 24.07 ± 0.06
Integral 14.47 ± 1.00

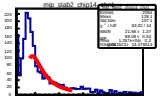

mip_slab2_chip14_strip3
Entries 1000
Mean 19.83
Std Dev 15.83
χ² / ndf 15.83 / 12
Width 1.21 ± 0.21
Area 9.91 ± 1.98
MPV 19.83 ± 0.21
Integral 14.47 ± 0.64

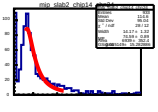

mip_slab2_chip14_strip5
Entries 1000
Mean 40.54
Std Dev 32.65
χ² / ndf 20.84 / 2.72
Width 71.37 ± 32.10
Area 44.00 ± 8.80
Integral 22.0 ± 22.0

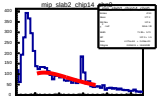

mip_slab2_chip14_strip11
Entries 1000
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0 / 0
Width 0.0 ± 0.0
Area 0.0 ± 0.0
MPV 0.0 ± 0.0
Integral 0.0 ± 0.0

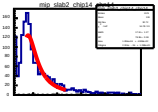

mip_slab2_chip14_strip12
Entries 1000
Mean 0.0
Std Dev 0.0
χ² / ndf 4.9E8 / 0
Width 0.3184 ± 0.4076
Area 7.36 ± 0.4
MPV 0.0 ± 0.0
Integral 3.17 ± 0.58

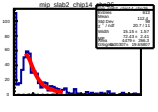

mip_slab2_chip14_strip13
Entries 1000
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0 / 0
Width 0.0 ± 0.0
Area 0.0 ± 0.0
MPV 0.0 ± 0.0
Integral 0.0 ± 0.0

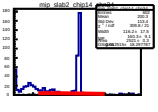

mip_slab2_chip14_strip1
Entries 1000
Mean 109.1
Std Dev 107.1
χ² / ndf 63.0 / 11
Width 21.96 ± 1.37
Area 66.09 ± 0.34
MPV 3.267E+05 ± 0.0
Integral 14.47 ± 0.0

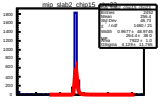

mip_slab2_chip14_strip2
Entries 1000
Mean 13.57
Std Dev 99.02
χ² / ndf 0.0 / 0
Width 14.17 ± 1.17
Area 59.96 ± 0.24
MPV 8.000 ± 0.000
Integral 14.47 ± 0.0

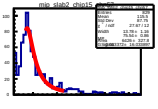

mip_slab2_chip14_strip4
Entries 1000
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0 / 0
Width 0.0 ± 0.0
Area 0.0 ± 0.0
MPV 0.0 ± 0.0
Integral 0.0 ± 0.0

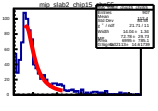

mip_slab2_chip14_strip6
Entries 1000
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0 / 0
Width 0.0 ± 0.0
Area 0.0 ± 0.0
MPV 0.0 ± 0.0
Integral 0.0 ± 0.0

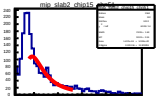

mip_slab2_chip14_strip7
Entries 1000
Mean 102.4
Std Dev 20.77
χ² / ndf 25.15 / 3.57
Width 20.77 ± 2.13
Area 2.07E+ 206.0
MPV 2.07E+ 206.0
Integral 14.47 ± 14.47

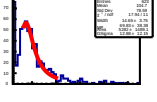

mip_slab2_chip14_strip8
Entries 1000
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0 / 0
Width 0.0 ± 0.0
Area 0.0 ± 0.0
MPV 0.0 ± 0.0
Integral 0.0 ± 0.0

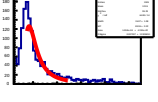

mip_slab2_chip15_chan32
Entries 2824
Mean 2477.4
Std Dev 277.2
χ² / ndf 1080 / 15
Width 39.767 ± 49.970
MPV 262.0 ± 20.2
Area 1.0000 ± 0.0000
Sigma 4.1267 ± 1.551

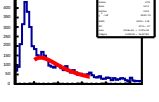

mip_slab2_chip15_chan33
Entries 1474
Mean 1277.4
Std Dev 177.1
χ² / ndf 37.87 / 12
Width 13.791 ± 1.16
MPV 76.54 ± 0.56
Area 1.0000 ± 0.0000
Sigma 12.72 ± 0.0007

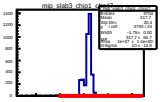

mip_slab2_chip15_chan34
Entries 1848
Mean 1277.4
Std Dev 211.9
χ² / ndf 52.82 / 10
Width 22.56 ± 28.72
MPV 72.56 ± 28.72
Area 1.0000 ± 0.0000
Sigma 14.0000 ± 14.0000

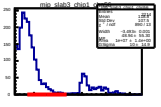

mip_slab2_chip15_chan35
Entries 1848
Mean 1277.4
Std Dev 211.9
χ² / ndf 52.82 / 10
Width 22.56 ± 28.72
MPV 72.56 ± 28.72
Area 1.0000 ± 0.0000
Sigma 14.0000 ± 14.0000

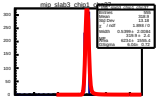

mip_slab2_chip15_chan36
Entries 1848
Mean 1277.4
Std Dev 211.9
χ² / ndf 17.93 / 11
Width 14.85 ± 3.75
MPV 72.56 ± 28.72
Area 1.0000 ± 0.0000
Sigma 17.00 ± 1.71

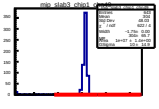

mip_slab2_chip15_chan37
Entries 1848
Mean 1277.4
Std Dev 211.9
χ² / ndf 52.82 / 10
Width 22.56 ± 28.72
MPV 72.56 ± 28.72
Area 1.0000 ± 0.0000
Sigma 14.0000 ± 14.0000

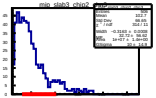

mip_slab2_chip15_chan38
Entries 1848
Mean 1277.4
Std Dev 211.9
χ² / ndf 52.82 / 10
Width 22.56 ± 28.72
MPV 72.56 ± 28.72
Area 1.0000 ± 0.0000
Sigma 14.0000 ± 14.0000

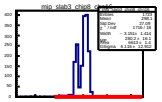

mip_slab3_chip1_ch15
Entries 1000
Mean 1.07
Std Dev 20.6
χ² / ndf 3700 / 59
Width 14.79± 0.52
Peak 1.00± 0.00
Mpv 1e+07 ± 1.4e+05
Integral 1.01 ± 0.03

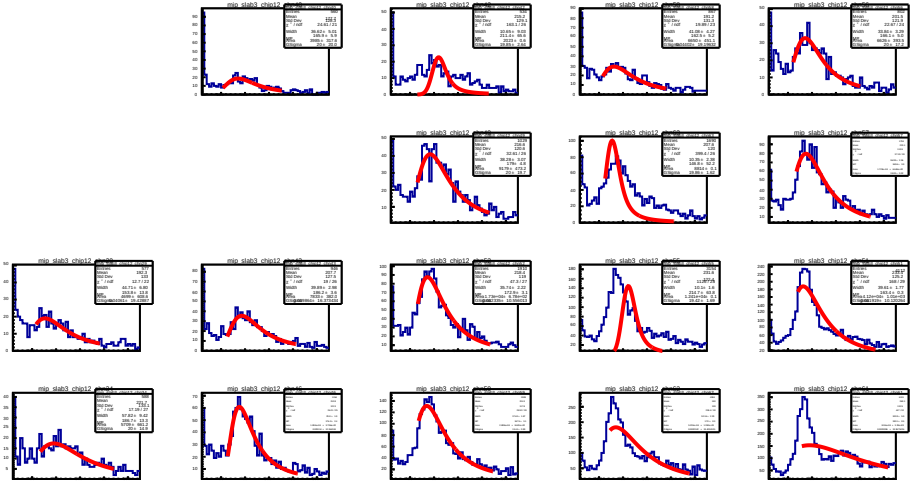

mip_slab3_chip1_ch16
Entries 1000
Mean 1.07
Std Dev 17.4
χ² / ndf 3902 / 15
Width -0.0001± 0.0001
Peak 18.93± 0.05
Mpv 1e+07 ± 1.4e+05
Integral 17.4 ± 0.5

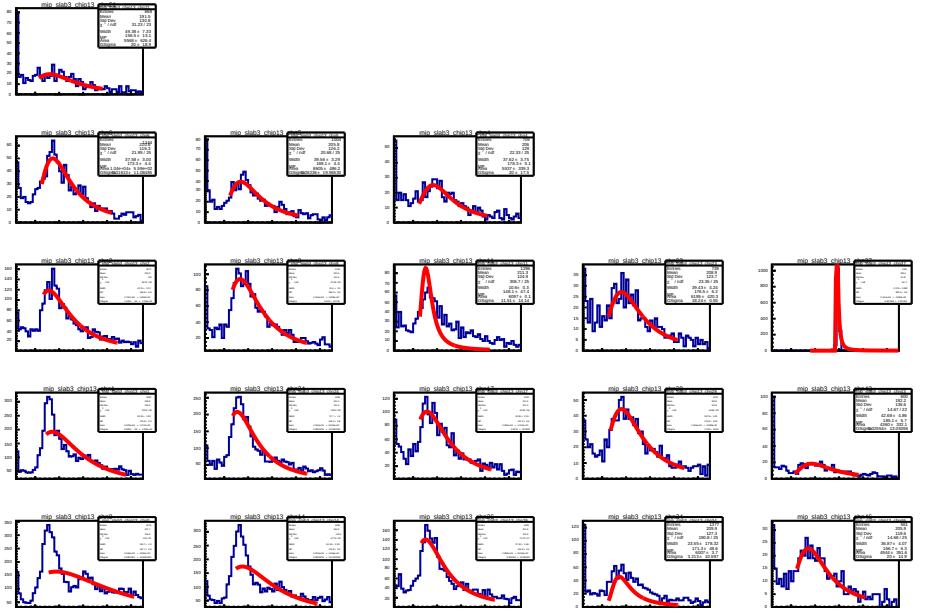

mip_slab3_chip1_ch13
Entries 1000
Mean 0.0
Std Dev 0.0
χ² / ndf 1.6e+14 / 0
Width 0.0399± 0.0004
Peak 338.6 ± 2.4
Mpv 0.0 ± 0.0
Integral 0.0e+ 0.0

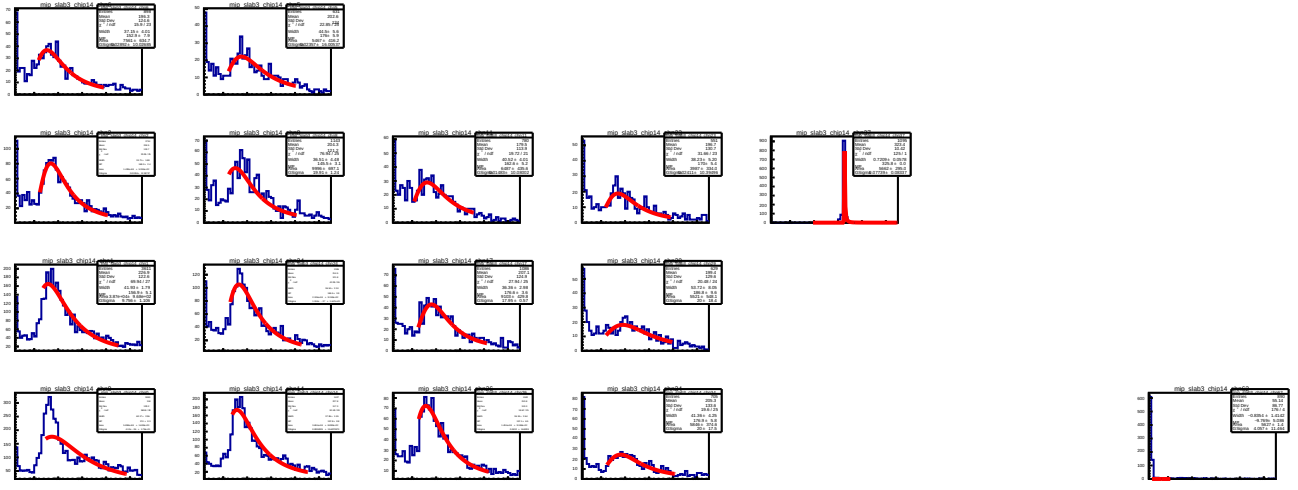

mip_slab3_chip1_ch14
Entries 1000
Mean 0.0
Std Dev 66.7
χ² / ndf 0 / 0
Width -1.7e- 0.0
Peak 86.2
Mpv 1e+07 ± 1.4e+05
Integral 0.0 ± 0.0

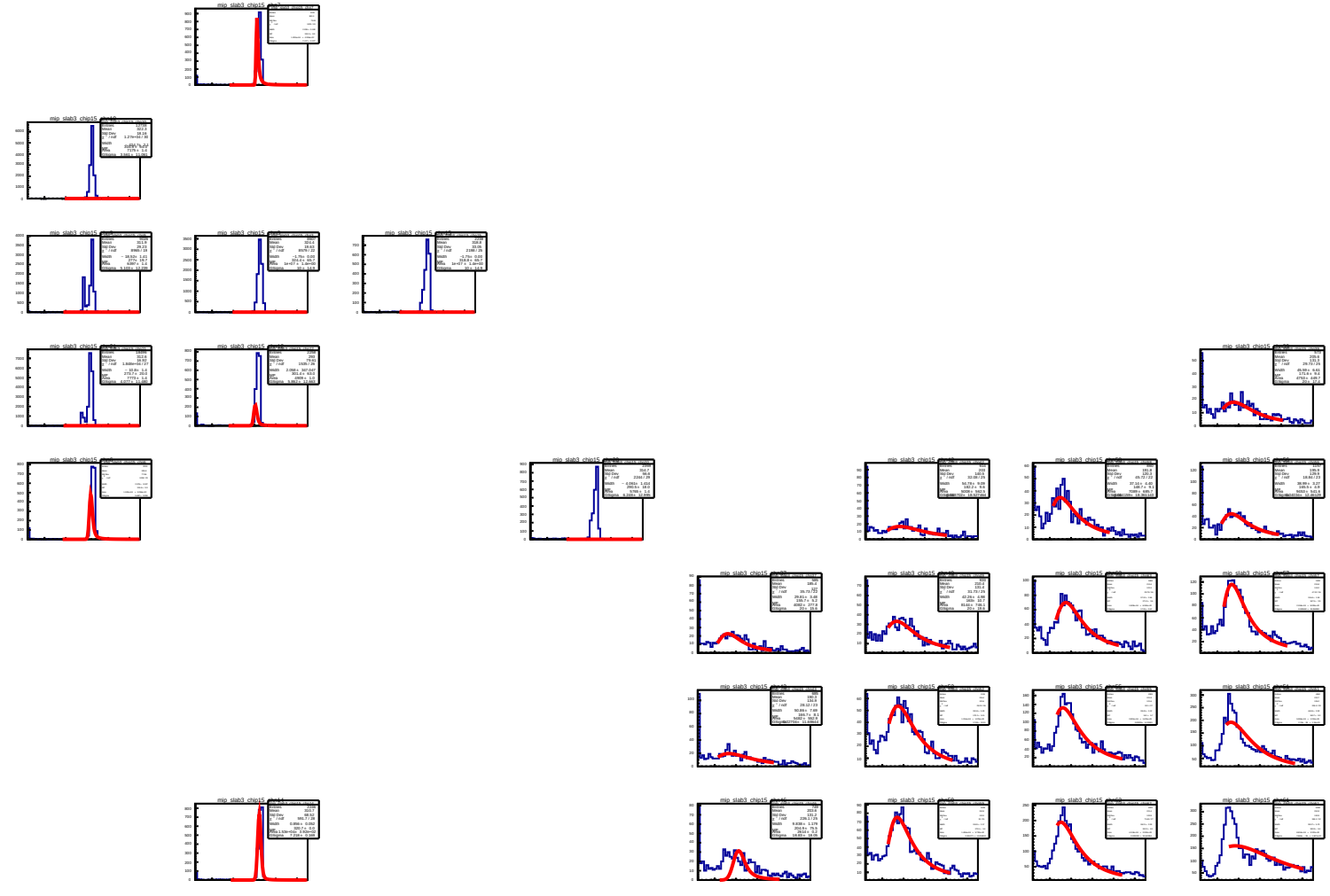

mip_stub1_chn12_
Entries 10000
Mean 10.27
RMS 12.71
Underflow 0
Overflow 242.71
Integral 9757.29
Skewness 14.4727 ± 0.1414
Kurtosis 315.1414 ± 0.2828
35
30
25
20
15
10
5
0

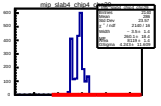

msp_slab3_chip8_c_ch16
Statistics on entire histogram
Entries 2441
Mean 27.09
Std Dev 1731.19
Underflow - 3.351e+ 3.414e
Overflow 6.197e+ 2.022e
Total - 5922.7 5.6
Underflow 0.197e+ 2.022e
400
350
300
250
200
150
100
50
0

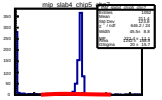

mip_slab3_chip12
mip_slab3_chip12
mip_slab3_chip12
mip_slab3_chip12
mip_slab3_chip12
mip_slab3_chip12
mip_slab3_chip12
mip_slab3_chip12
mip_slab3_chip12
mip_slab3_chip12
mip_slab3_chip12
mip_slab3_chip12
mip_slab3_chip12
mip_slab3_chip12
mip_slab3_chip12

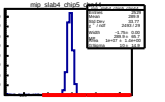


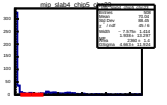

mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14

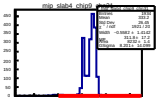


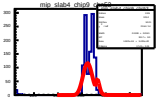

mip slab4 chip2 ch20
Entries 1000
Mean 2.02
Std Dev 23.02
χ² / ndf 31.02 / 14
p0 0.0 ± 1.4
p1 260.0 ± 10.4
p2 -2.0 ± 0.0
Integral 4.000 ± 0.000
600
500
400
300
200
100
0

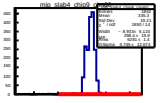

mip slab4 chip5 ch25
Entries 7500
Mean 1.114
Std Dev 0.0127
χ² / ndf 308.27 / 75
Width 26.0± 0.8
MPV 2.0±0.1
Integral 207.0 ± 3.0

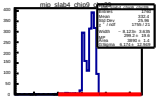

mip slab4 chip5 ch24
Entries 7500
Mean 2.0±0.0
Std Dev 0.0127
χ² / ndf 24017.19
Width 0.75± 0.00
MPV 1.0±0.0
Integral 14×10³ ± 1.0×10²

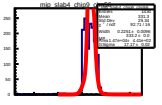

mip slab4 chip5 ch23
Entries 7500
Mean 0.0127
Std Dev 0.0127
χ² / ndf 88.19
Width 7.57± 1.61
MPV 1.9±0.4 10.2±0
Integral 4.0±0.0 11.0±0

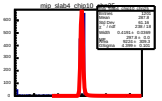

mip_slab4_chip2_chan24
Entries 2512
Mean 0.4117
Std Dev 28.05
χ² / ndf 1521 / 23
Constant -0.0002 ± 0.0142
Mean 0.0000 ± 0.0000
Sigma 5.0 ± 0.0
Integral 0.0757 ± 0.0000

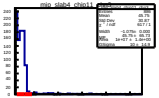
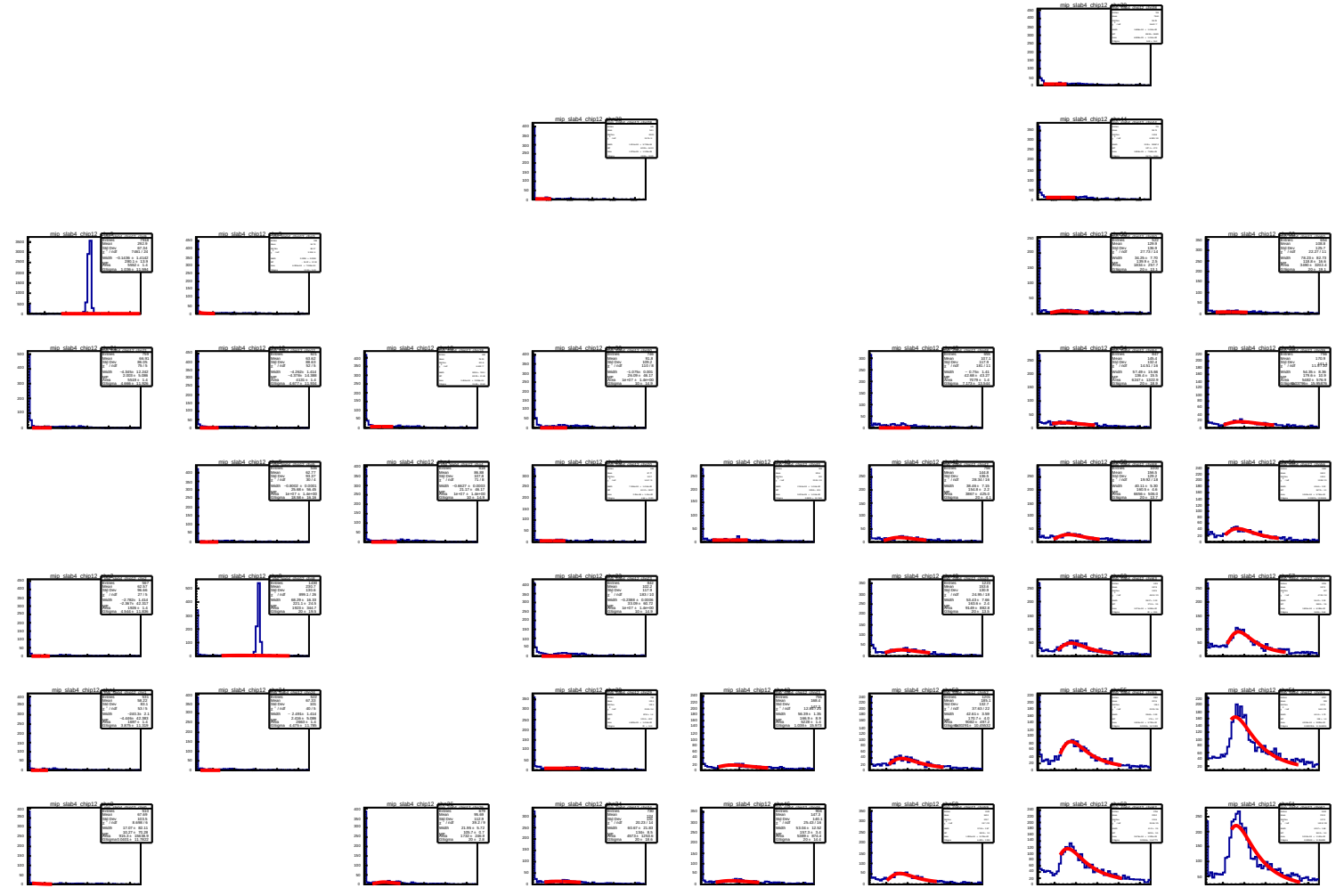
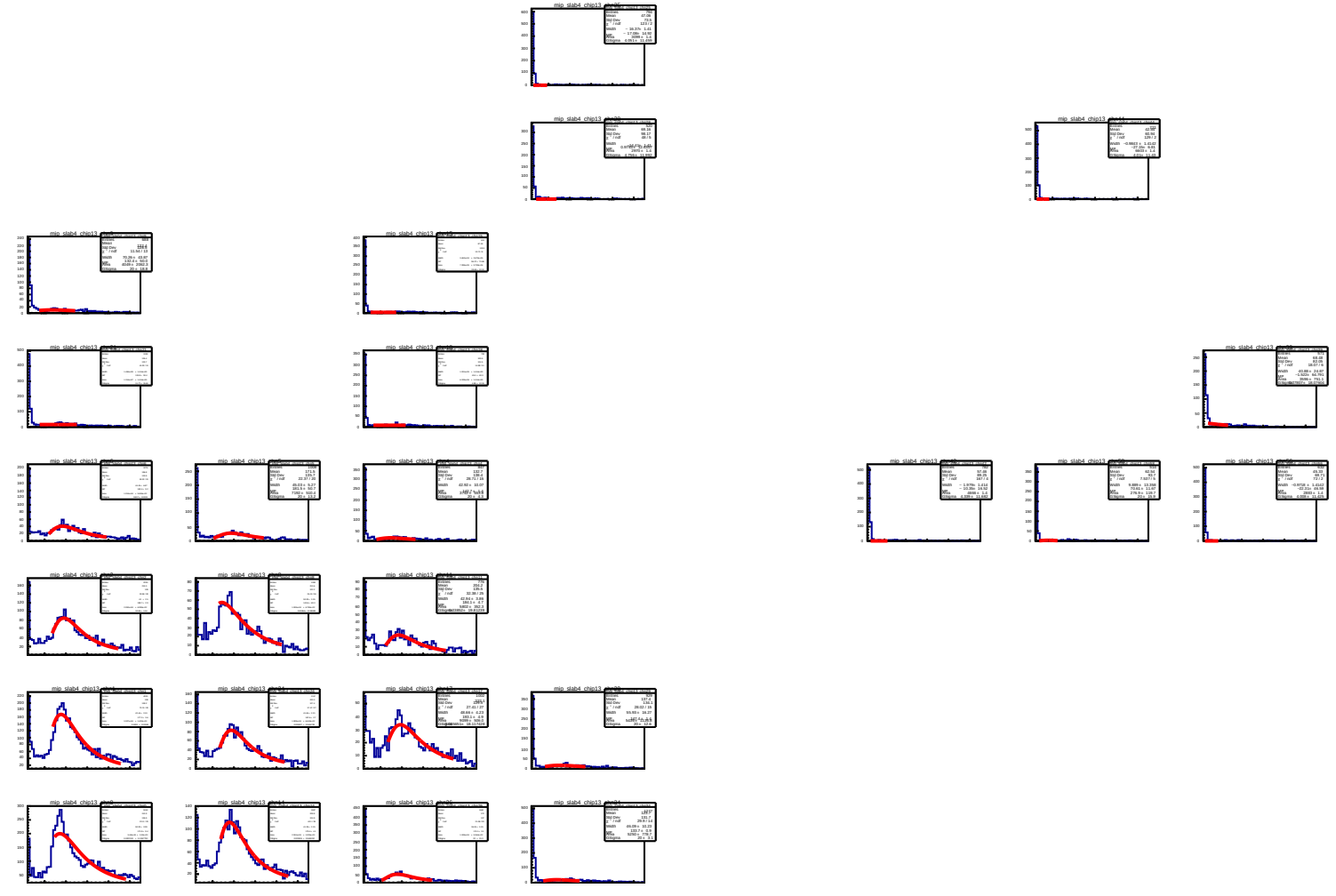
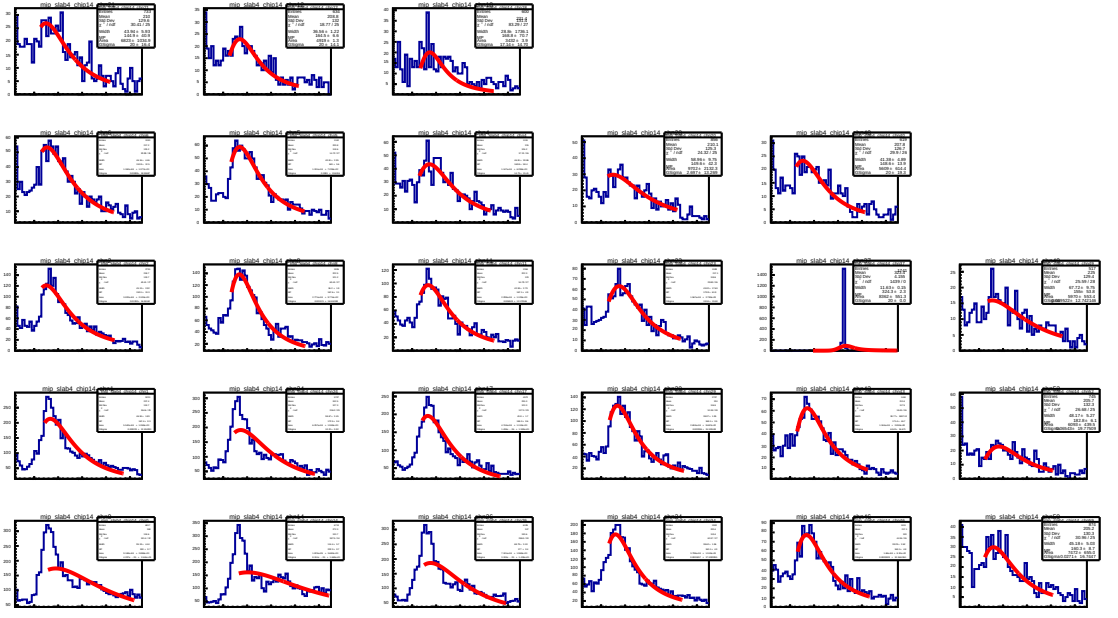
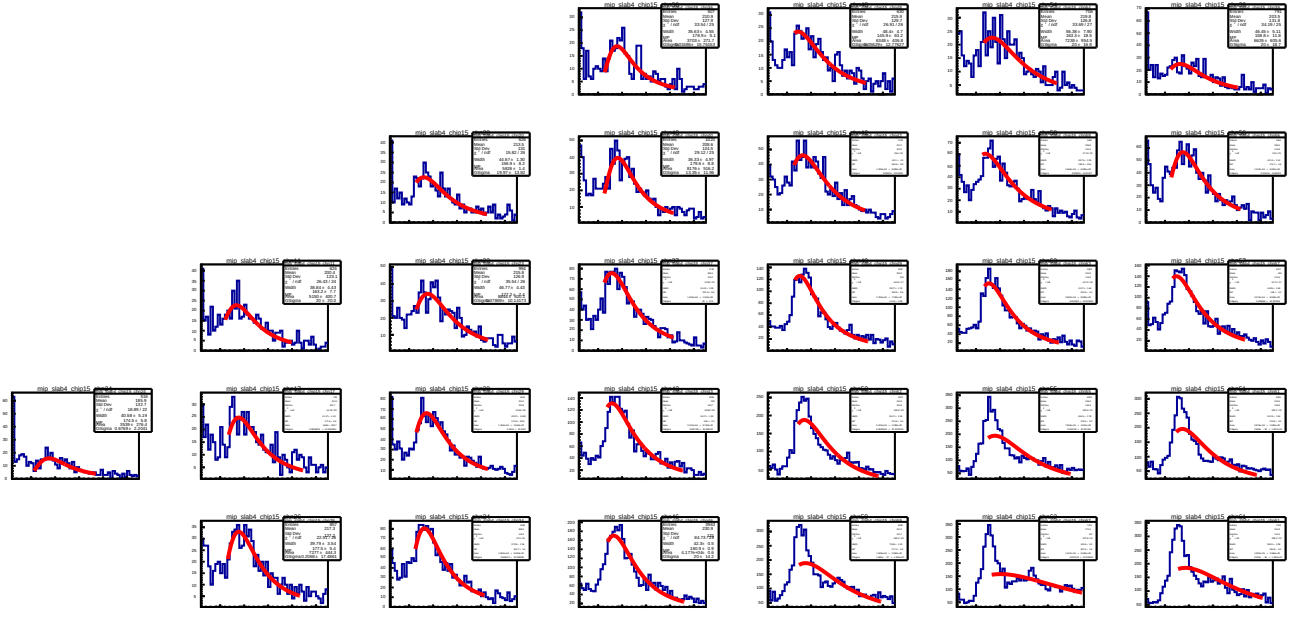

mip_slab4_chip2_chan25


mip_slab4_chip2_chan26
Entries 3191
Mean 0.4117
Std Dev 1007.72
χ² / ndf 1007.72 / 23
Constant 0.0010 ± 0.0142
Mean 0.0000 ± 0.0000
Sigma 5.0 ± 0.0
Integral 0.0756 ± 0.0000


mip_slab4_chip2_chan27
Entries 2512
Mean 0.4117
Std Dev 25.14
χ² / ndf 1521 / 23
Constant 0.1270 ± 0.0135
Mean 0.0000 ± 0.0000
Sigma 5.0 ± 0.0
Integral 0.7570 ± 0.0000


mip_slab4_chip2_chan28
Entries 2512
Mean 0.4117
Std Dev 25.14
χ² / ndf 32.7 / 16
Constant 0.2316 ± 0.0000
Mean 0.0000 ± 0.0000
Sigma 1.27e+03 ± 2.4e+02
Integral 57.71 ± 0.00


mip slab4 chip11 ped.dat
Entries 2000
Mean 27.7
Std Dev 62.78
χ² / ndf 2.29e+14
Width 0.1181 ± 0.1616
Mean 4.212 ± 0.0000
Sigma 0.0000 ± 0.0000
600
500
400
300
200
100
0


mip alpha chi2/t
Entries 1000
Mean 49.79
Std Dev 82.77
Underflow 0
Overflow 0
Integral 1000
Mean x 49.79
Mean y 49.79
Std Dev x 82.77
Std Dev y 82.77
Total Sum of Weights = 1000.0
Underflow = 0.0 Overflow = 0.0
250
200
150
100
50
0
0
20
40
60
80
100
120
140
160
180
200