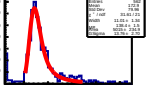
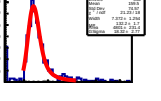
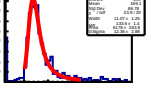
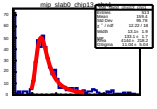
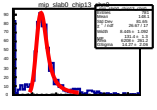
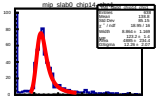

mip slab0 chip12 chan56
Entries 1024
Mean 1.022
Std Dev 79.06
χ² / ndf 1.000
Width 11.01 ± 1.10
MPV 139.6 ± 3.5
Integral 10.76 ± 0.15

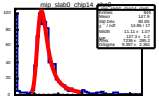

mip slab0 chip12 chan55
Entries 1024
Mean 39.03
Std Dev 21.22
χ² / ndf 21.22 / 19
Width 7.372 ± 1.256
MPV 63.70 ± 2.61
Integral 19.32 ± 0.17

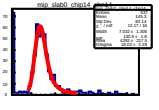

mip slab0 chip12 chan54
Entries 1024
Mean 1.014
Std Dev 39.75
χ² / ndf 2.5E-15
Width 11.07 ± 1.15
MPV 139.6 ± 3.5
Integral 10.76 ± 0.15

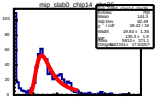

mip_slab0_chip13_chk1
Entries 1000
Mean 39.12
Std Dev 89.78
χ² / ndf 12.35 / 9
Const 13.1± 1.8
MPV 133.1 ± 1.7
Width 12.01 ± 0.52
Integral 11.01 ± 0.02

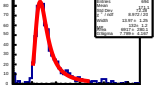

mip_slab0_chip13_chk2
Entries 1000
Mean 9.61
Std Dev 26.87
χ² / ndf 26.87 / 13
Const 8.65± 1.00
MPV 9.00 ± 0.07
Width 6.00 ± 0.12
Integral 14.37 ± 0.01

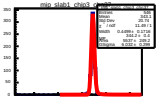

mip_slab0_chip14_chn1
Entries 1000
Mean 19.67
Std Dev 89.15
χ² / ndf 16.60 / 9
Mpv 0.3561 ± 1.169
Sigma 120.0 ± 1.4
Norm 1.0e+04 ± 1.0e+02
Integral 1.0e+04 ± 2.0e+02

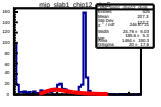

mip_slab0_chip14_chn2
Entries 1000
Mean 10.78
Std Dev 14.80
χ² / ndf 11.15 / 17
Mpv 7.139 ± 0.07
Sigma 0.587 ± 0.05
Norm 7.139 ± 245.2
Integral 8.587 ± 0.05

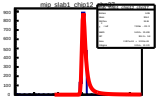

mip_slab0_chip14_chn3
Entries 1000
Mean 14.17
Std Dev 12.27
χ² / ndf 12.27 / 15
Mpv 7.333 ± 1.305
Sigma 4.267 ± 0.7
Norm 4.267 ± 217.5
Integral 18.22 ± 7.6

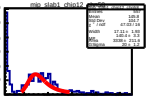

mip_slab0_chip14_chn4
Entries 1000
Mean 34.12
Std Dev 26.47
χ² / ndf 19.84 / 16
Mpv 19.84 ± 1.39
Sigma 10.03 ± 1.1
Norm 1.0e+03 ± 1.0e+02
Integral 1.0e+03 ± 1.0e+02

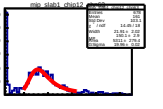

mip slab0 chip15 ped0
Entries 3000
Mean 3.74
Mean x 3.74
Std Dev 0.972
Std Dev x 0.972
Width 33.97 ± 1.35
Width x 0.35
MPV 4417 ± 240.1
Sigma 7.765 ± 0.1

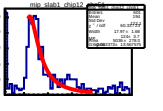

mip_slab1_chip3_c_ch10
Entries 1000
Mean 0.4
Mean x 0.4
Std Dev 0.2
Std Dev x 0.2
Integral 1000
Skewness 0.0
Skewness 0.0
Underflow 0
Overflow 0
Prob 0.0
Chi2 / ndf 0.0 / 0
Peak 1.0 ± 0.0
Mean 0.0000 ± 0.0000
Sigma 0.0000 ± 0.0000
350
300
250
200
150
100
50
0

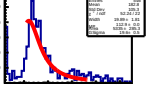

mip slab1 chip12 strip5
Mean 251.2
Std Dev 20.0
χ² / ndf 266.8 / 52
Width 20.26 ± 0.21
MPV 252.5 ± 0.3
Area 3460.0 ± 50.0
Sigma 27.1 ± 0.4

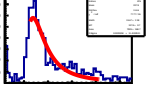

mip slab1 chip12 strip2
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0 / 0
Width 0.00 ± 0.00
MPV 0.00 ± 0.00
Area 0.00 ± 0.00
Sigma 0.00 ± 0.00

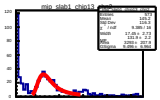

mip slab1 chip12 strip3
Mean 105.4
Std Dev 102.1
χ² / ndf 47.05 / 16
Width 17.21 ± 5.93
MPV 105.1 ± 1.2
Area 5036.1 ± 311.3
Sigma 20.7 ± 1.7

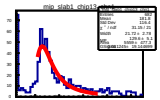

mip slab1 chip12 strip4
Mean 154.1
Std Dev 14.0
χ² / ndf 14.05 / 19
Width 21.91 ± 2.02
MPV 158.0 ± 2.8
Area 1000.0 ± 75.0
Sigma 19.94 ± 2.02

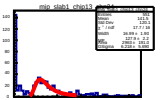

mip slab1 chip12 strip5
Mean 254.1
Std Dev 20.0
χ² / ndf 80.07 / 52
Width 17.97 ± 1.68
MPV 253.6 ± 0.4
Area 5030.0 ± 70.0
Sigma 19.0 ± 0.5

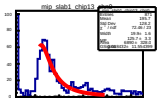

mip slab1 chip12 strip6
Mean 102.2
Std Dev 102.0
χ² / ndf 52.17 / 13
Width 19.89 ± 1.91
MPV 102.5 ± 0.8
Area 5030.0 ± 195.3
Sigma 24.9 ± 0.5

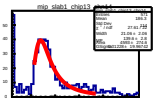

mip slab1 chip12 strip7
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0 / 0
Width 0.00 ± 0.00
MPV 0.00 ± 0.00
Area 0.00 ± 0.00
Sigma 0.00 ± 0.00

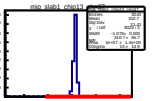

mip slab1 chip13 strip1
Entries 1024
Mean 33.4
Std Dev 13.4
χ² / ndf 9.38e3 / 14
Width 17.05 ± 2.73
Sigma 1.21 ± 1.2
MPV 125.8 ± 0.8
Integral 6.08e+ 6.9e2

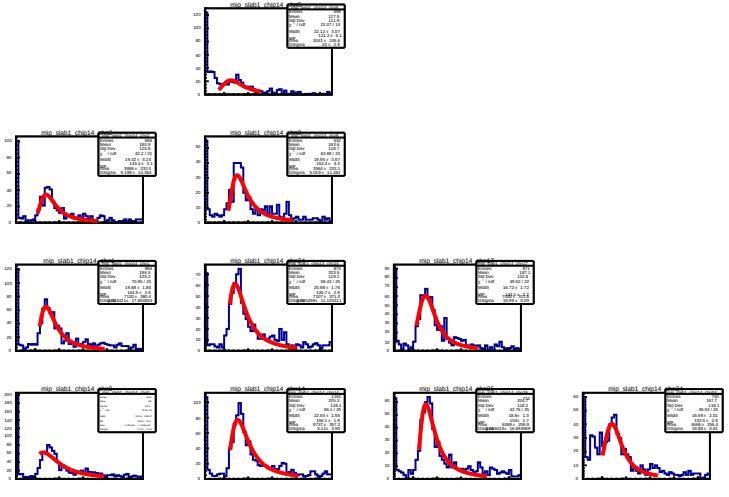

mip slab1 chip13 strip2
Entries 1024
Mean 33.4
Std Dev 13.4
χ² / ndf 31.1e3 / 14
Width 21.71 ± 2.59
MPV 126.6 ± 0.1
Integral 1.01e+ 1.1e4

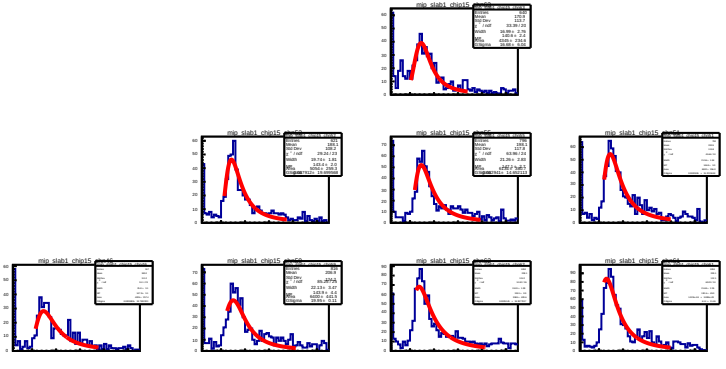

mip slab1 chip13 strip3
Entries 1024
Mean 33.4
Std Dev 13.4
χ² / ndf 4.1e3 / 14
Width 16.06 ± 1.45
MPV 127.9 ± 0.2
Integral 6.22e+ 6.9e2

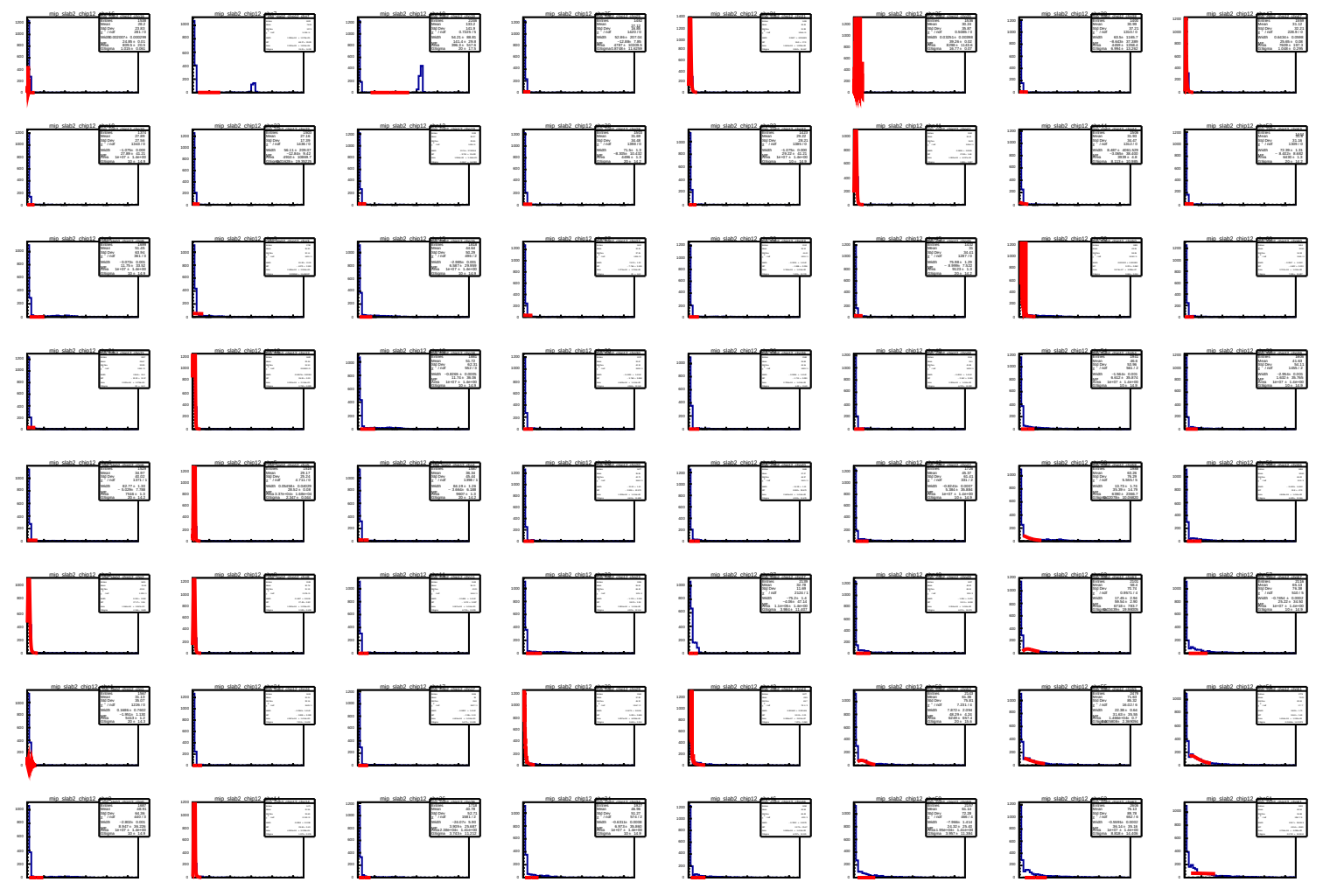

mip slab1 chip13 strip4
Entries 1024
Mean 33.4
Std Dev 13.4
χ² / ndf 72.4e3 / 14
Width 19.91 ± 1.6
MPV 128.1 ± 0.1
Integral 1.02e+ 1.0e3

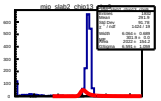

mip slab1 chip13 strip5
Entries 1024
Mean 33.4
Std Dev 13.4
χ² / ndf 37.6e3 / 14
Width 21.09 ± 2.24
MPV 125.9 ± 0.1
Integral 1.01e+ 1.1e4

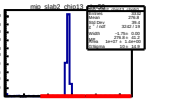

mip slab1 chip13 strip6
Entries 1024
Mean 33.4
Std Dev 13.4
χ² / ndf 2.1e3 / 14
Width 0.279 ± 0.032
MPV 1610.7 ± 66.7
Integral 64.7e+ 2.1e3

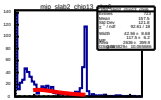

mip slab1 chip14
mip slab1 chip14
mip slab1 chip14
mip slab1 chip14
mip slab1 chip14
mip slab1 chip14
mip slab1 chip14
mip slab1 chip14
mip slab1 chip14
mip slab1 chip14

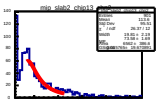

mip slab1 chip15 chan0
mip slab1 chip15 chan1
mip slab1 chip15 chan2
mip slab1 chip15 chan3
mip slab1 chip15 chan4
mip slab1 chip15 chan5
mip slab1 chip15 chan6
mip slab1 chip15 chan7

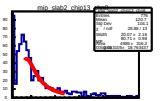


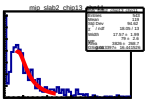

mip slab2 chip13

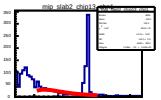

mip slab2 chip13

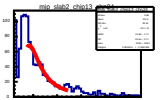

mip slab2 chip13

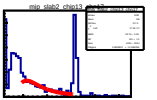

mip slab2 chip13

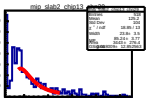

mip slab2 chip13

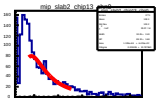

mip slab2 chip13

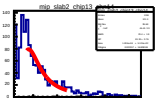

mip slab2 chip13

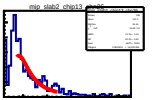

mip slab2 chip13

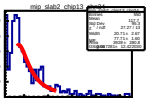

mip slab2 chip13

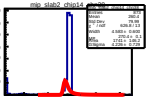

mip slab2 chip13

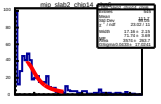

mip slab2 chip13

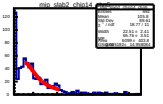

mip slab2 chip13

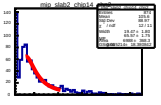

mip slab2 chip13

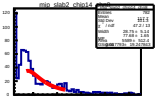

mip slab2 chip13

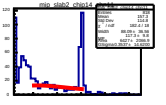

mip_slab2_chip14_strip2
Entries 1000
Mean 240.2
Std Dev 79.98
χ² / ndf 626.8 / 15
Width 4.5651 ± 0.6183
MPV 240.1 ± 0.6183
Area 2743 ± 196.2
Constant 2.304 ± 0.2147

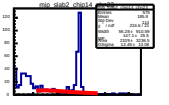

mip_slab2_chip14_strip1
Entries 1000
Mean 19.54
Std Dev 19.02
χ² / ndf 17.66 / 15
Width 2.135 ± 0.15
MPV 19.54 ± 0.017
Area 2017 ± 17.14
Constant 94.11 ± 0.8004

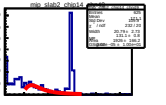

mip_slab2_chip14_strip3
Entries 1000
Mean 19.6
Std Dev 18.77
χ² / ndf 18.77 / 15
Width 2.01 ± 0.21
MPV 19.6 ± 0.012
Area 1999 ± 20.2
Constant 99.95 ± 0.8008

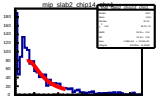

mip_slab2_chip14_strip4
Entries 1000
Mean 19.4
Std Dev 19.11
χ² / ndf 19.47 / 15
Width 1.81 ± 1.75
MPV 19.37 ± 0.01
Area 1917 ± 16.4
Constant 95.87 ± 1.75

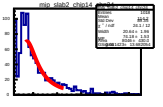

mip_slab2_chip14_strip5
Entries 1000
Mean 19.4
Std Dev 18.7
χ² / ndf 27.17 / 15
Width 29.75 ± 5.11
MPV 77.69 ± 3.93
Area 9.21 ± 0.09
Constant 0.1 ± 0.0001

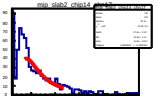

mip_slab2_chip14_strip6
Entries 1000
Mean 19.4
Std Dev 19.1
χ² / ndf 162.4 / 16
Width 68.09 ± 36.58
MPV 123.9 ± 9.8
Area 9.21 ± 0.09
Constant 0.0017 ± 0.0008

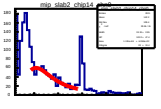

mip_slab2_chip14_strip7
Entries 1000
Mean 19.4
Std Dev 19.1
χ² / ndf 2316.6 / 16
Width 56.29 ± 910.91
MPV 147.1 ± 25.9
Area 9.21 ± 0.09
Constant 12.81 ± 0.13

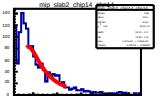

mip_slab2_chip14_strip8
Entries 1000
Mean 19.4
Std Dev 19.1
χ² / ndf 232.7 / 15
Width 20.79 ± 2.71
MPV 131.1 ± 15.4
Area 9.21 ± 0.09
Constant 0.1 ± 0.0001

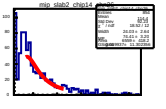

mip_slab2_chip14_strip9
Entries 1000
Mean 19.4
Std Dev 19.1
χ² / ndf 19.4 / 15
Width 1.81 ± 1.75
MPV 19.37 ± 0.01
Area 1917 ± 16.4
Constant 95.87 ± 1.75

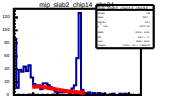

mip_slab2_chip14_strip10
Entries 1000
Mean 19.4
Std Dev 18.7
χ² / ndf 27.17 / 15
Width 29.75 ± 5.11
MPV 77.69 ± 3.93
Area 9.21 ± 0.09
Constant 0.1 ± 0.0001

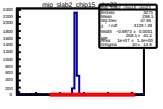

mip_slab2_chip14_strip11
Entries 1000
Mean 19.4
Std Dev 19.1
χ² / ndf 162.4 / 16
Width 68.09 ± 36.58
MPV 123.9 ± 9.8
Area 9.21 ± 0.09
Constant 0.0017 ± 0.0008

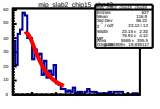

mip_slab2_chip14_strip12
Entries 1000
Mean 19.4
Std Dev 19.1
χ² / ndf 19.4 / 15
Width 1.81 ± 1.75
MPV 19.37 ± 0.01
Area 1917 ± 16.4
Constant 95.87 ± 1.75

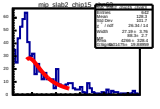

mip_slab2_chip14_strip13
Entries 1000
Mean 19.4
Std Dev 18.7
χ² / ndf 27.17 / 15
Width 29.75 ± 5.11
MPV 77.69 ± 3.93
Area 9.21 ± 0.09
Constant 0.1 ± 0.0001

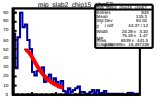

mip_slab2_chip14_strip14
Entries 1000
Mean 19.4
Std Dev 19.1
χ² / ndf 18.67 / 13
Width 20.03 ± 2.64
MPV 131.1 ± 15.4
Area 9.9 ± 0.2
Constant 31.32 ± 0.03

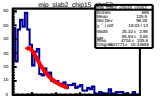

mip_slab2_chip14_strip15
Entries 1000
Mean 19.4
Std Dev 19.1
χ² / ndf 232.7 / 15
Width 20.79 ± 2.71
MPV 131.1 ± 15.4
Area 9.21 ± 0.09
Constant 0.1 ± 0.0001

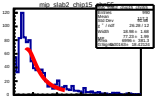

mip_slab2_chip15_chan32
Entries 2661
Mean 2.4
Std Dev 2.1
χ² / ndof 3128 / 58
Width 0.0872 ± 0.0001
Mpv −0.74 ± 0.2
Area 54707 ± 61.5
Sigma 0.0 ± 0.0

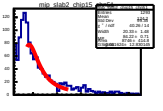

mip_slab2_chip15_chan33
Entries 1342
Mean 23.1
Std Dev 10.7
χ² / ndof 23.12 / 12
Width 23.13 ± 0.31
Mpv 76.61 ± 0.13
Area 1.0e+05 ± 1.0e+03
Sigma 0.0 ± 0.0

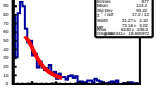

mip_slab2_chip15_chan34
Entries 1342
Mean 27.2
Std Dev 12.7
χ² / ndof 29.16 / 14
Width 27.29 ± 0.76
Mpv 88.6 ± 2.7
Area 1.0e+05 ± 1.0e+03
Sigma 0.0 ± 0.0

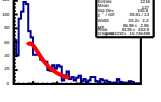

mip_slab2_chip15_chan35
Entries 1342
Mean 32.1
Std Dev 14.7
χ² / ndof 32.87 / 12
Width 32.89 ± 0.10
Mpv 95.59 ± 0.12
Area 1.0e+05 ± 1.0e+03
Sigma 0.0 ± 0.0

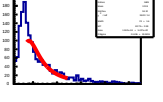

mip_slab2_chip15_chan36
Entries 1342
Mean 38.2
Std Dev 16.8
χ² / ndof 28.84 / 12
Width 28.90 ± 0.48
Mpv 106.6 ± 0.6
Area 1.0e+05 ± 1.0e+03
Sigma 0.0 ± 0.0

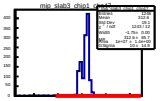

mip_slab2_chip15_chan37
Entries 1342
Mean 43.8
Std Dev 19.2
χ² / ndof 27.23 / 12
Width 27.23 ± 1.06
Mpv 115.1 ± 0.8
Area 1.0e+05 ± 1.0e+03
Sigma 0.0 ± 0.0

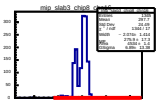

mip_slab2_chip15_chan38
Entries 1342
Mean 49.4
Std Dev 21.6
χ² / ndof 33.20 / 12
Width 33.22 ± 0.71
Mpv 124.5 ± 0.5
Area 1.0e+05 ± 1.0e+03
Sigma 0.0 ± 0.0

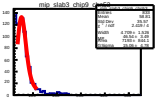

mip_slab2_chip15_chan39
Entries 1342
Mean 55.0
Std Dev 24.0
χ² / ndof 17.77 / 11
Width 21.27 ± 2.10
Mpv 133.4 ± 1.1
Area 1.0e+05 ± 1.0e+03
Sigma 0.0 ± 0.0

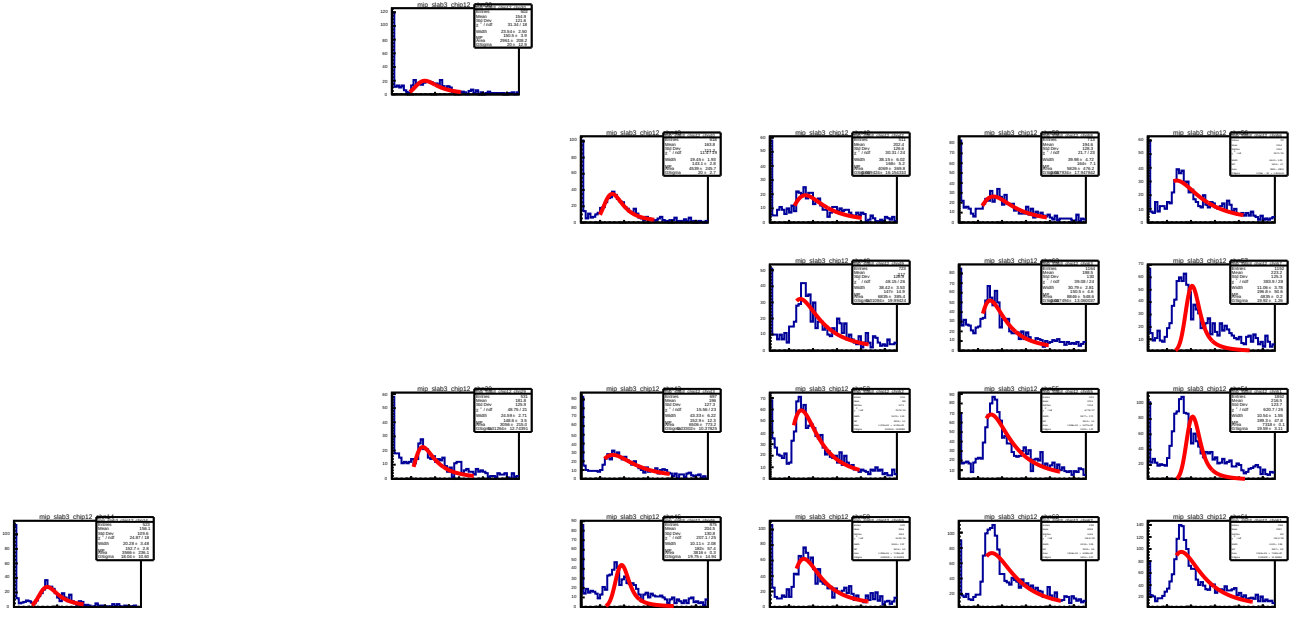

mip_slab2_chip15_chan40
Entries 1342
Mean 60.6
Std Dev 26.4
χ² / ndof 39.81 / 13
Width 29.31 ± 2.0
Mpv 142.1 ± 1.0
Area 1.0e+05 ± 1.0e+03
Sigma 0.0 ± 0.0

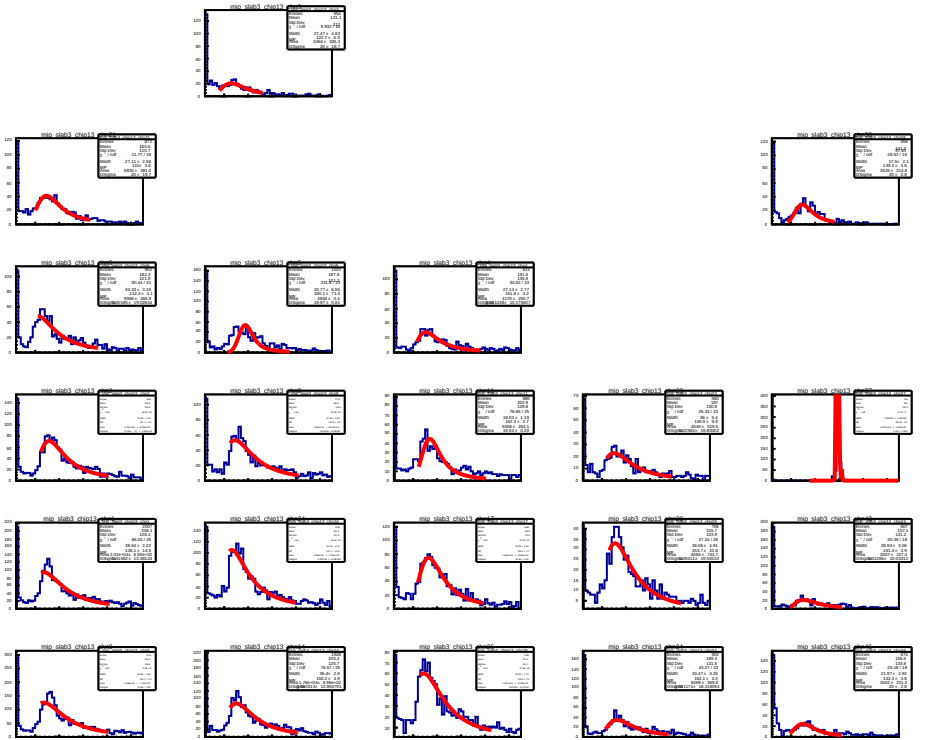

mip_slab2_chip15_chan41
Entries 1342
Mean 66.2
Std Dev 28.8
χ² / ndof 14.10 / 10
Width 14.10 ± 0.60
Mpv 150.6 ± 0.4
Area 1.0e+05 ± 1.0e+03
Sigma 0.0 ± 0.0

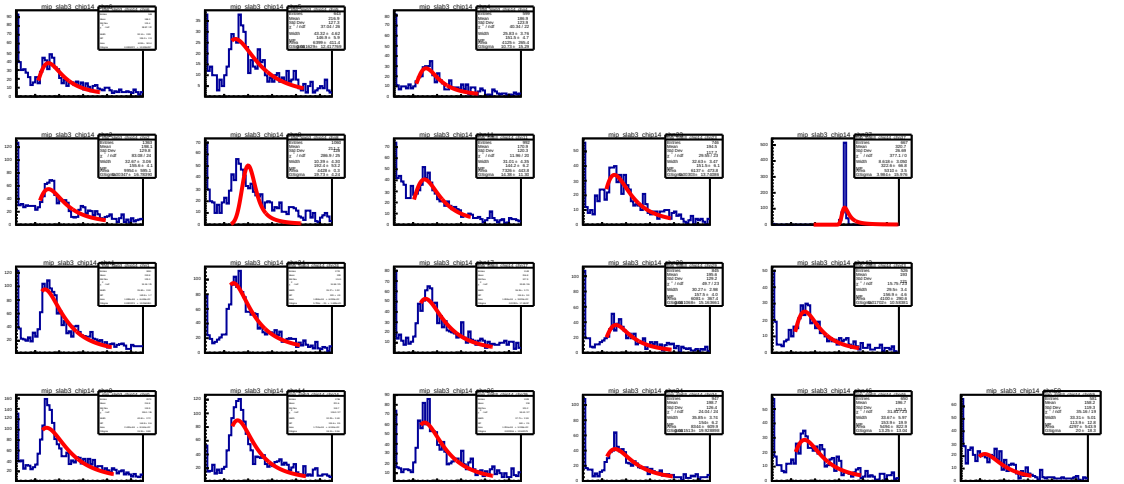

mip_slab3_chip1_chan25
Entries 1024
Mean 17.1
Std Dev 17.1
χ² / ndf 2193.7 / 7
Width 0.7 ± 0.0
Mean 16.7 ± 0.0
Sigma 0.4 ± 0.0
Integral 1024 ± 32.0

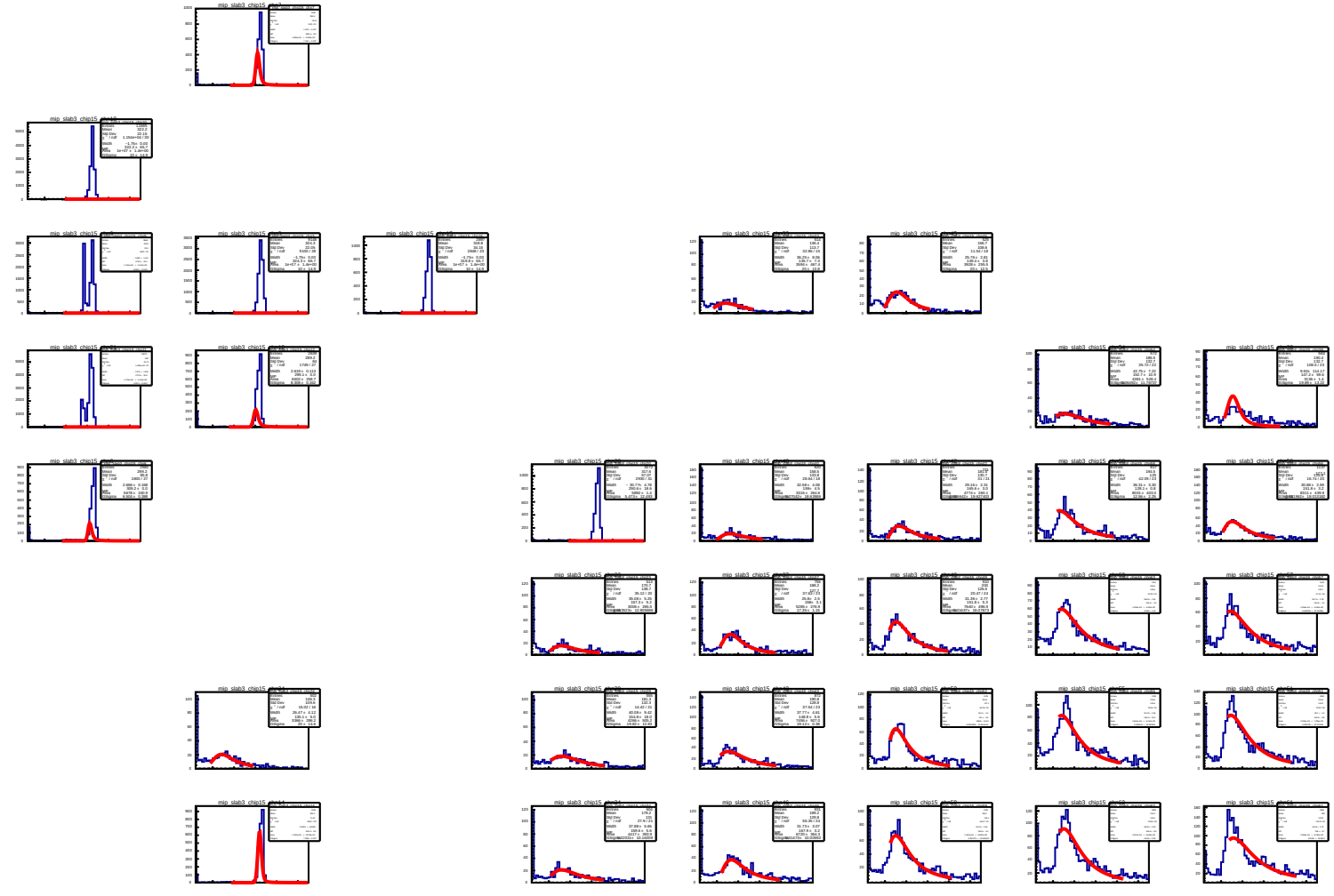

msp_slab3_chip8_c4x16
Statistics
Entries 2048
Mean 26.17
Std Dev 26.49
χ² / ndf 13611 / 17
Mean x -2.0754e-14
Std Dev x 1.414
Mean y 7.8
Std Dev y 4.899
350
300
250
200
150
100
50
0

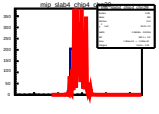

mip slab3 chip0 chan0
Entries 7812
Mean 7.812
Underflow 0
Overflow 0
χ² / ndf 2.223 / 6
Width 2.709 ± 1.525
Area 7.812 ± 0.000
MPV 7.625 ± 0.071
Sigma 0.556 ± 0.000

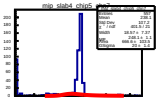

mip_slab3_chip12_ch0
mip_slab3_chip12_ch1
mip_slab3_chip12_ch2
mip_slab3_chip12_ch3
mip_slab3_chip12_ch4
mip_slab3_chip12_ch5
mip_slab3_chip12_ch6
mip_slab3_chip12_ch7
mip_slab3_chip12_ch8
mip_slab3_chip12_ch9
mip_slab3_chip12_ch10
mip_slab3_chip12_ch11
mip_slab3_chip12_ch12
mip_slab3_chip12_ch13
mip_slab3_chip12_ch14
mip_slab3_chip12_ch15

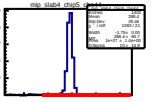


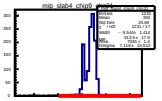

mip_slab3_chip14
mip_slab3_chip14
mip_slab3_chip14
mip_slab3_chip14
mip_slab3_chip14
mip_slab3_chip14
mip_slab3_chip14
mip_slab3_chip14
mip_slab3_chip14
mip_slab3_chip14
mip_slab3_chip14
mip_slab3_chip14
mip_slab3_chip14
mip_slab3_chip14
mip_slab3_chip14
mip_slab3_chip14
mip_slab3_chip14
mip_slab3_chip14
mip_slab3_chip14
mip_slab3_chip14
mip_slab3_chip14
mip_slab3_chip14

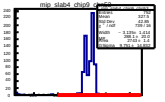


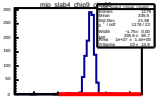


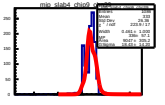

mip slab4 chip5 chan2
Entries 2000
Mean 157.2
Std Dev 10.17
χ² / ndf 101.5 / 15
Width 10.50 ± 7.23
Area 1.000 ± 0.000
Mean 157.5 ± 0.3
Sigma 10.1 ± 0.3

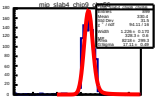

mip slab4 chip5 chan3
Entries 2000
Mean 250.8
Std Dev 13.01
χ² / ndf 1303 / 15
Width 0.750 ± 0.00
Area 1.000 ± 0.000
Mean 247.4 ± 0.0
Sigma 13.0 ± 0.0

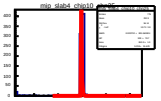
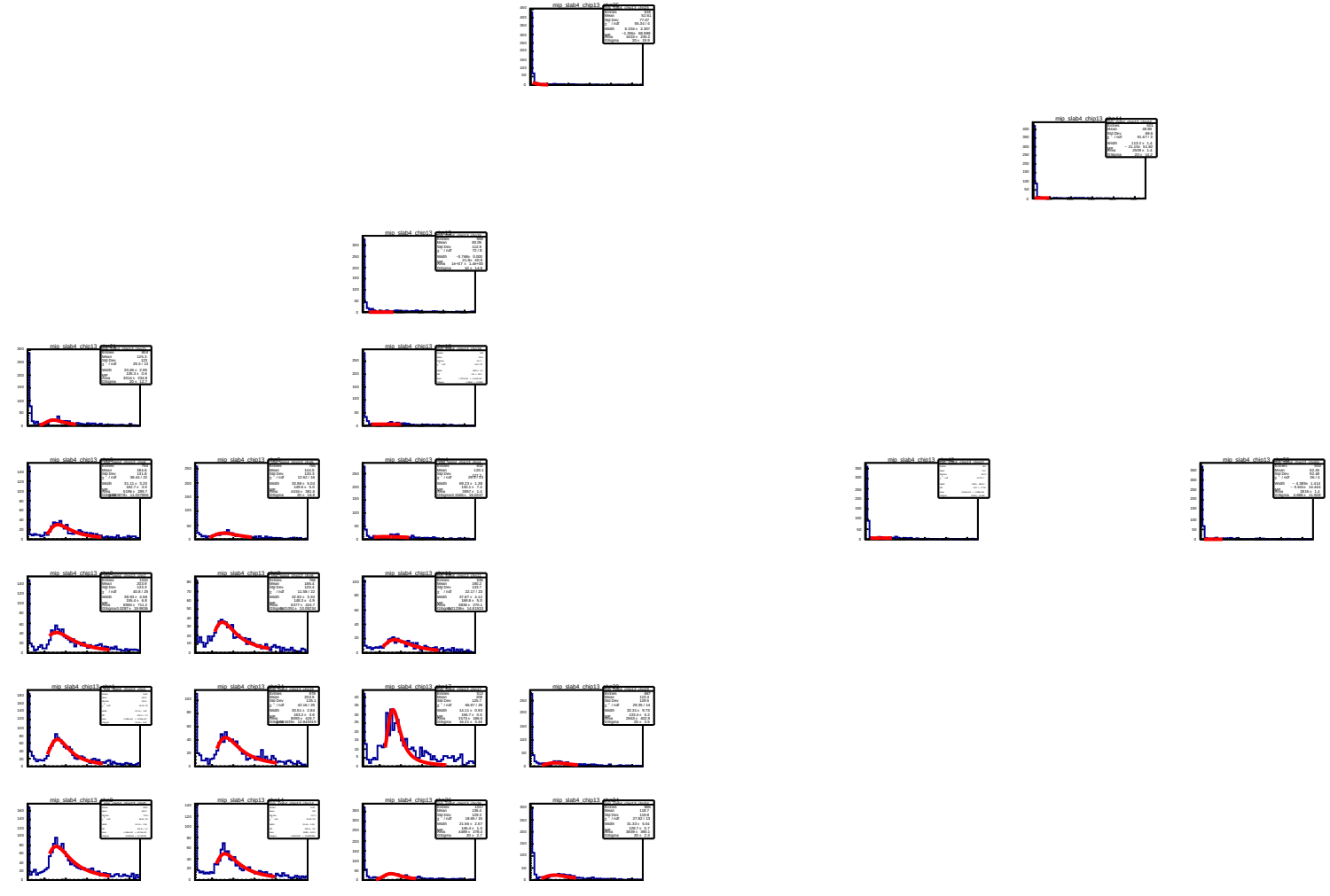
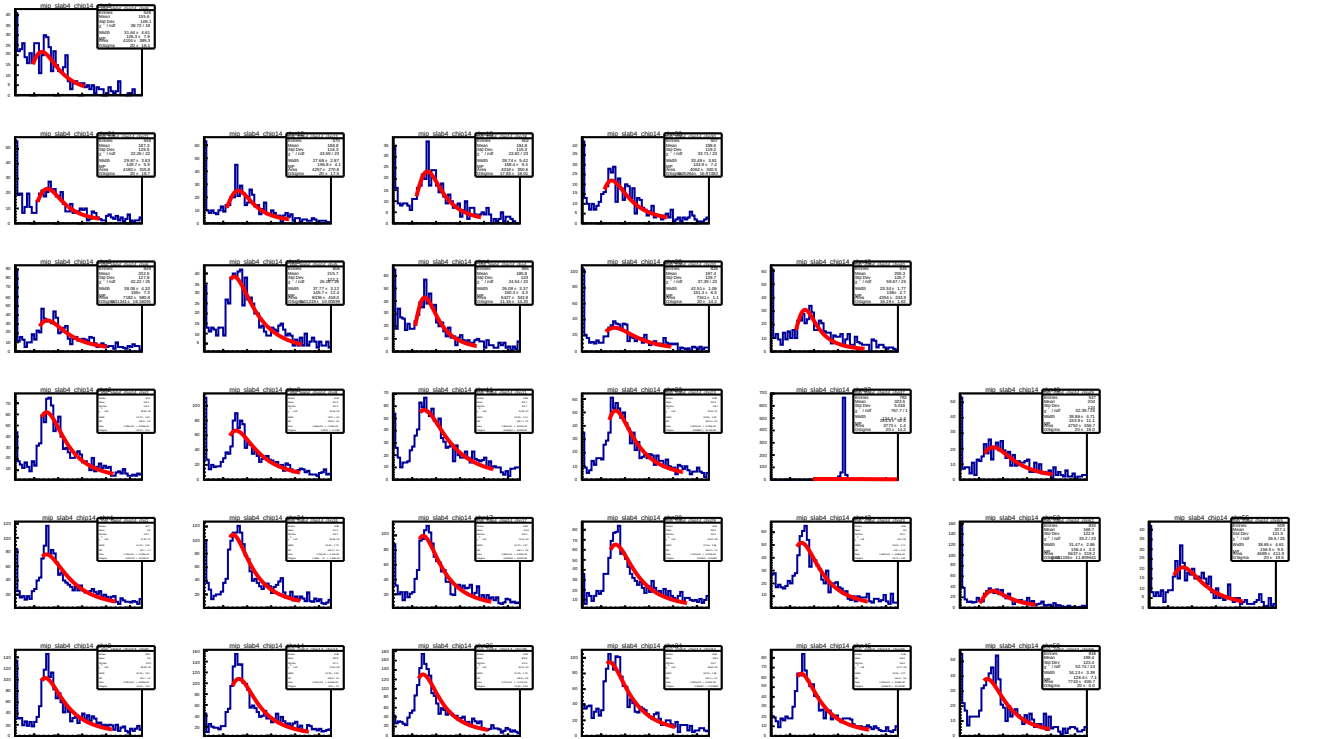
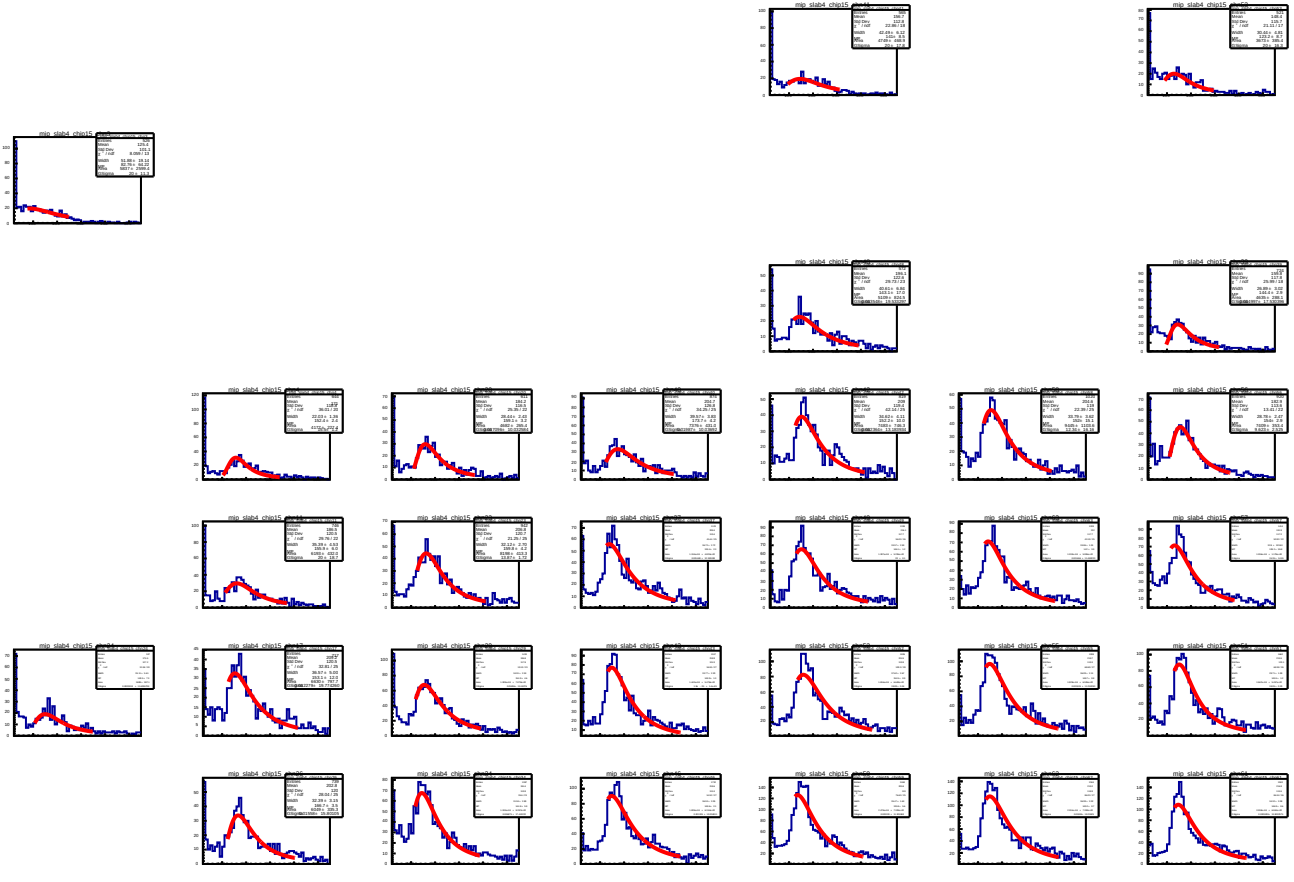

mip_slab4_chip0_chan24
Entries 1124
Mean 19.19
Std Dev 23.69
χ² / ndf 1231 / 17
Width - 9.5e0± 1.41e1
Mean - 1.1e0± 1.9e1
Area - 7.6e1± 1.1e3
Sigma - 4.1e0± 2.2e1


mip_slab4_chip0_chan25
Entries 3275
Mean 19.19
Std Dev 23.69
χ² / ndf 7231 / 17
Width - 3.1e0± 1.41e1
Mean - 1.1e0± 1.9e1
Area - 2.1e1± 3.2e3
Sigma - 9.7e1± 2.2e1


mip_slab4_chip0_chan26
Entries 3313
Mean 19.19
Std Dev 23.69
χ² / ndf 11.91 / 15
Width - 1.7e0± 6.42
Mean - 1.1e0± 1.9e1
Area - 6e+2± 2.1e3
Sigma - 2.1e0± 2.2e1


mip_slab4_chip0_chan27
Entries 3318
Mean 19.19
Std Dev 23.69
χ² / ndf 223.9 / 17
Width 0.49±0.02
Mean 0.02
Area 9e+2± 3e3
Sigma 0.1±0.1


mip_slab4_chip0_chan28
Entries 3313
Mean 19.19
Std Dev 23.7
χ² / ndf 54.11 / 16
Width 0.28±0.03
Mean 0.02
Area 8e+1± 2e3
Sigma 0.1±0.1


mip_slab4_chi211_dm_50
Mean = 0.000
Std Dev = 0.000
Skewness = 0.000
Kurtosis = 0.000
Minimum = 0.000
Maximum = 0.000
Sum = 0.000
Count = 1
Mode = 0.000
Median = 0.000
Q1 = 0.000
Q3 = 0.000
Mean CI LL = 0.000
Mean CI UL = 0.000
400
350
300
250
200
150
100
50
0