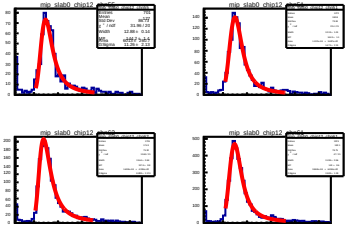
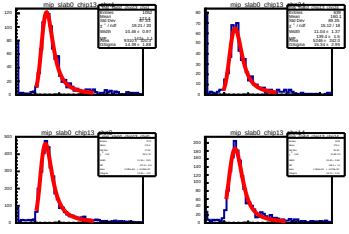
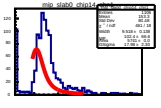
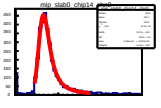
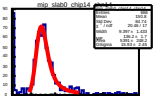
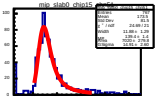

mip_slab0_chip12_chan56
Entries 1156
Mean 19.77
Std Dev 31.02
χ² / ndf 12.85 / 13
Mpv 1.952 ± 0.04
Sigma 11.79 ± 0.12
mip_slab0_chip12_chan57
mip_slab0_chip12_chan58
mip_slab0_chip12_chan59

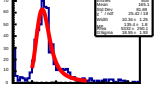

mip slab0 chip13 chan1
Entries 1000
Mean 2.03
Std Dev 1.58
χ² / ndf 19.2 / 14
Const 15.48 ± 0.97
Mean 0.0000 ± 0.0127
Sigma 0.2 ± 0.0
mip slab0 chip13 chan2
Entries 1000
Mean 2.03
Std Dev 88.06
χ² / ndf 11.0 / 14
Const 11.01 ± 1.17
Mean 128.4 ± 0.5
Sigma 0.0 ± 0.0
mip slab0 chip13 chan3
mip slab0 chip13 chan4

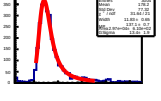

mip_slab0_chip14_chn1
Entries 1000
Mean 33.12
Std Dev 80.49
χ² / ndf 474.8 / 19
Const 9.528 ± 0.138
MPV 102.4 ± 98.8
Width 2.780 ± 3.0
Sigma 17.96 ± 0.0

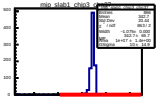

mip_slab0_chip14_chn2
Entries 1000
Mean 34.1
Std Dev 14.0
χ² / ndf 15.26 / 16
Const 19.61 ± 1.0
MPV 0.0000 ± 0.0000
Width 0.0000 ± 0.0000
Sigma 0.0000 ± 0.0000

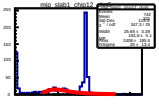

mip_slab0_chip14_chn3
Entries 1000
Mean 34.12
Std Dev 17.5
χ² / ndf 20.28 / 17
Const 9.397 ± 1.410
MPV 29.00 ± 0.0
Width 5.551 ± 0.0
Sigma 15.93 ± 0.0

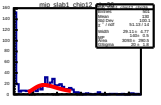

mip slab0 chip15 chan5
Entries 1024
Mean 1.221
Std Dev 81.5
χ² / ndf 206.9 / 9
Width 11.80 ± 1.25
MPV 139.6 ± 1.4
Integral 32.81 ± 2.65

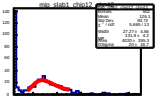

mip slab0 chip15 chan8
Entries 1024
Mean 1.221
Std Dev 59.81
χ² / ndf 25.87 / 19
Width 10.50 ± 1.25
MPV 139.6 ± 1.4
Integral 19.94 ± 1.93

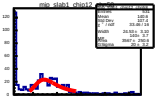

mip slab0 chip15 chan9
Entries 1024
Mean 1.221
Std Dev 1.707
χ² / ndf 31.84 / 11
Width 11.80 ± 0.50
MPV 139.6 ± 1.4
Integral 13.01 ± 1.0

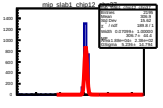

mip_slab1_chip3_chan3
Entries 1000
Mean 0.1279 ± 0.0202
RMS 0.6383 ± 0.0143
Underflow 0
Overflow 0
Integral 1000
Skewness 0.1279 ± 0.0202
Kurtosis 2.9 ± 0.0128
500
400
300
200
100
0

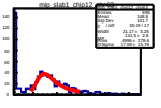

mip slab1 chip12
Mean 1.000
Std Dev 0.000
χ² / ndf 347.2 / 35
Width 29.66 ± 0.25
Peak 1.000 ± 0.000
Area 2400.0 ± 101.4
Integral 2271 ± 96.4

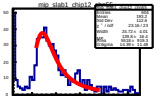

mip slab1 chip12
Mean 160.1
Std Dev 16.73
χ² / ndf 51.1 / 14
Width 31.14 ± 0.9
Peak 1.000 ± 0.000
Area 8000.0 ± 290.0
Integral 7600 ± 287.0

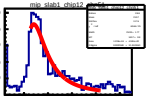

mip slab1 chip12
Mean 15.1
Std Dev 5.77
χ² / ndf 5.646 / 13
Width 22.27 ± 0.91
Peak 1.000 ± 0.000
Area 4000.0 ± 163.3
Integral 3771 ± 154.0

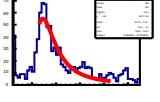

mip slab1 chip12
Mean 50.4
Std Dev 10.7
χ² / ndf 33.06 / 16
Width 33.53 ± 5.37
Peak 1.000 ± 0.000
Area 6047.0 ± 242.3
Integral 5700 ± 228.7

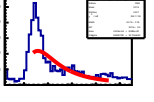

mip slab1 chip12
Mean 101.0
Std Dev 16.4
χ² / ndf 149.6 / 1
Width 0.27999 ± 0.00000
Peak 1.000 ± 0.000
Area 1.00e+06 ± 1.00e+06
Integral 1.00e+06 ± 1.00e+06

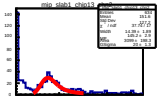

mip slab1 chip12
Mean 16.8
Std Dev 3.37
χ² / ndf 30.18 / 17
Width 21.17 ± 3.25
Peak 1.000 ± 0.000
Area 1416.0 ± 7.6
Integral 1300 ± 7.0

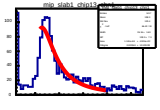

mip slab1 chip12
Mean 19.7
Std Dev 112.6
χ² / ndf 23.3 / 8
Width 31.71 ± 0.01
Peak 139.0 ± 16.4
Area 1.00e+06 ± 1.00e+06
Integral 19.00 ± 11.00

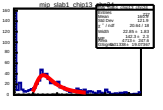

mip slab1 chip12

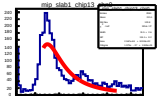

mip slab1 chip12

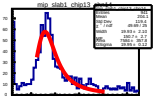

mip slab1 chip12

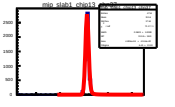

mip slab1 chip13 strip1
Entries 1024
Mean 33.5
Std Dev 17.0
χ² / ndf 37.7 / 29
Width 14.39 ± 1.89
MPV 145.2 ± 2.8
Area 3099 ± 51.3
Sigma 10.92 ± 0.12

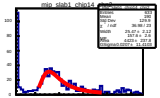

mip slab1 chip13 strip2
Entries 1024
Mean 33.8
Std Dev 17.1
χ² / ndf 36.4 / 29
Width 14.66 ± 1.89
MPV 145.2 ± 2.8
Area 3099 ± 51.3
Sigma 10.92 ± 0.12

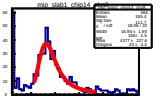

mip slab1 chip13 strip3
Entries 1024
Mean 33.8
Std Dev 17.1
χ² / ndf 36.4 / 29
Width 14.66 ± 1.89
MPV 145.2 ± 2.8
Area 3099 ± 51.3
Sigma 10.92 ± 0.12

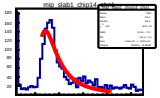

mip slab1 chip13 strip4
Entries 1024
Mean 33.8
Std Dev 17.1
χ² / ndf 36.4 / 29
Width 14.66 ± 1.89
MPV 145.2 ± 2.8
Area 3099 ± 51.3
Sigma 10.92 ± 0.12

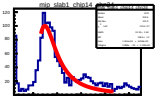

mip slab1 chip13 strip5
Entries 1024
Mean 33.8
Std Dev 17.1
χ² / ndf 36.4 / 29
Width 14.66 ± 1.89
MPV 145.2 ± 2.8
Area 3099 ± 51.3
Sigma 10.92 ± 0.12

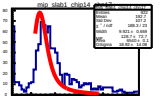

mip slab1 chip13 strip6
Entries 1024
Mean 33.8
Std Dev 17.1
χ² / ndf 36.4 / 29
Width 14.66 ± 1.89
MPV 145.2 ± 2.8
Area 3099 ± 51.3
Sigma 10.92 ± 0.12

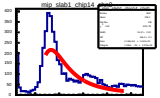

mip slab1 chip14 chan0
Entries 334
Mean 23.55
Std Dev 36.667 ± 2.01
χ² / ndf 29.07 ± 2.12
Width 17.4 ± 2.6
MPV 23.4 ± 1.8
Integral 4577 ± 1418

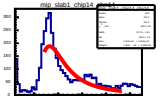

mip slab1 chip14 chan1
Entries 1672
Mean 19.72
Std Dev 19.61 ± 1.01
χ² / ndf 1081 ± 6
Width 19.61 ± 1.01
MPV 21.7 ± 0.4
Integral 4377 ± 66

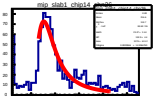

mip slab1 chip14 chan2
Entries 1667
Mean 37.2
Std Dev 188.8 ± 2.8
χ² / ndf 9.51 ± 0.69
Width 126.7 ± 72.7
MPV 90.2 ± 1.3
Integral 19.9 ± 12.9

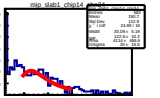

mip slab1 chip14 chan3
Entries 1667
Mean 37.2
Std Dev 188.8 ± 2.8
χ² / ndf 9.51 ± 0.69
Width 126.7 ± 72.7
MPV 90.2 ± 1.3
Integral 19.9 ± 12.9

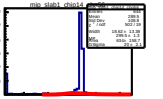

mip slab1 chip14 chan4
Entries 1667
Mean 37.2
Std Dev 188.8 ± 2.8
χ² / ndf 9.51 ± 0.69
Width 126.7 ± 72.7
MPV 90.2 ± 1.3
Integral 19.9 ± 12.9

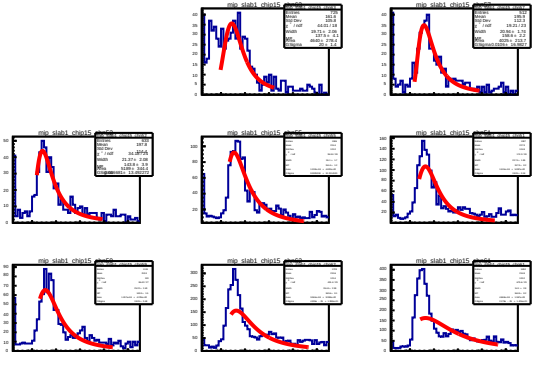

mip slab1 chip14 chan5
Entries 1667
Mean 37.2
Std Dev 188.8 ± 2.8
χ² / ndf 9.51 ± 0.69
Width 126.7 ± 72.7
MPV 90.2 ± 1.3
Integral 19.9 ± 12.9

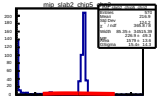

mip slab1 chip14 chan6
Entries 1667
Mean 37.2
Std Dev 188.8 ± 2.8
χ² / ndf 9.51 ± 0.69
Width 126.7 ± 72.7
MPV 90.2 ± 1.3
Integral 19.9 ± 12.9

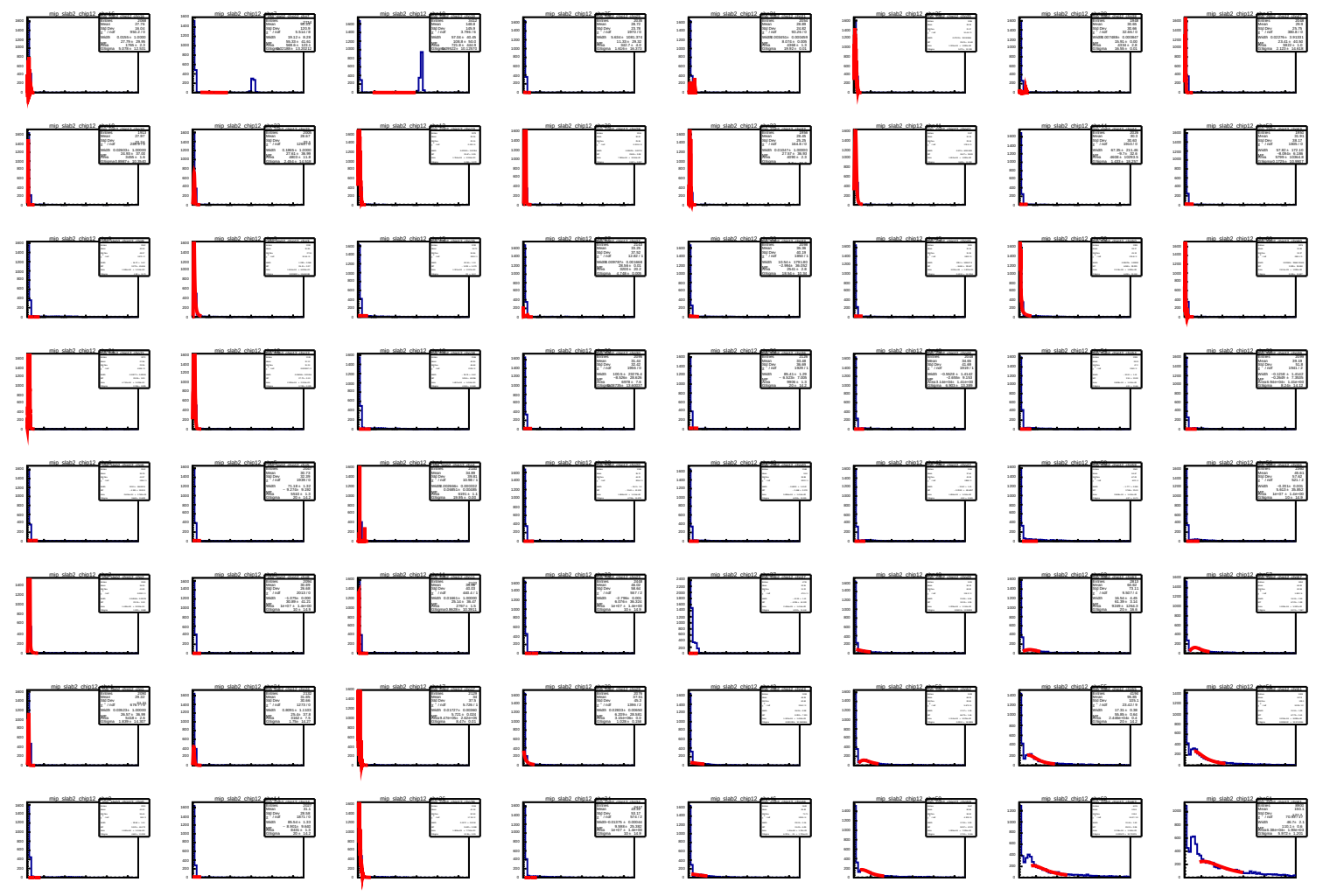

mip slab1 chip14 chan7
Entries 1667
Mean 37.2
Std Dev 188.8 ± 2.8
χ² / ndf 9.51 ± 0.69
Width 126.7 ± 72.7
MPV 90.2 ± 1.3
Integral 19.9 ± 12.9

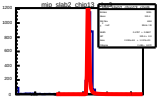

mip slab1 chip14 chan8
Entries 1667
Mean 37.2
Std Dev 188.8 ± 2.8
χ² / ndf 9.51 ± 0.69
Width 126.7 ± 72.7
MPV 90.2 ± 1.3
Integral 19.9 ± 12.9

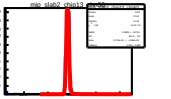

mip slab1 chip14 chan9
Entries 2964
Mean 19.2
Std Dev 1.09 ± 0.01
χ² / ndf 602 / 28
Width 18.61 ± 0.16
MPV 19.2 ± 0.1
Integral 6241 ± 141
Integral 27 ± 1

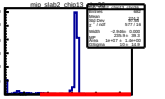

mip slab1 chip15 chan30
mip slab1 chip15 chan31
mip slab1 chip15 chan32
mip slab1 chip15 chan33
mip slab1 chip15 chan34
mip slab1 chip15 chan35
mip slab1 chip15 chan36
mip slab1 chip15 chan37
mip slab1 chip15 chan38

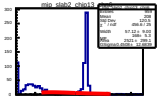

mip_slab2_chip5_chan2
Entries 1000
Mean 226.5
Std Dev 1.516
χ² / ndf 3401.39 / 3
Prob 0
Constant 226.0 ± 10.9
Mean 226.0 ± 0.0
Sigma 1.51 ± 1.13
200
180
160
140
120
100
80
60
40
20
0

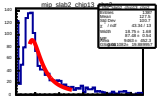


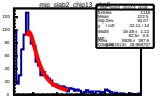

mip slab2 chip13

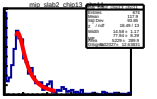

mip slab2 chip13

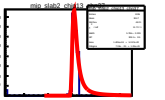

mip slab2 chip13

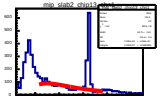

mip slab2 chip13

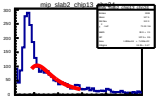

mip slab2 chip13

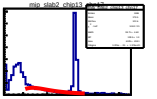

mip slab2 chip13

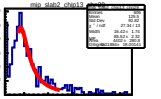

mip slab2 chip13

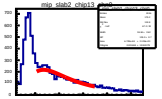

mip slab2 chip13

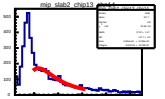

mip slab2 chip13

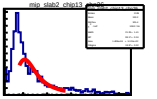

mip slab2 chip13

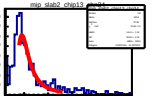

mip slab2 chip13

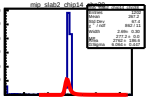

mip slab2 chip13

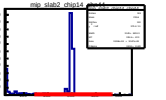

mip slab2 chip13

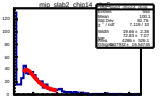

mip slab2 chip13

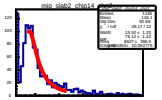

mip slab2 chip13

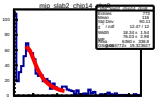

mip slab2 chip13

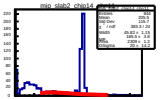

mip_slab2_chip14_chan32

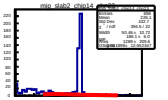

mip_slab2_chip14_chan41

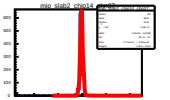

mip_slab2_chip14_chan0

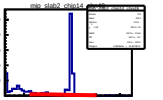

mip_slab2_chip14_chan1

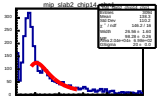

mip_slab2_chip14_chan2

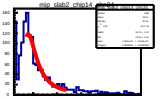

mip_slab2_chip14_chan3

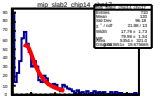

mip_slab2_chip14_chan4

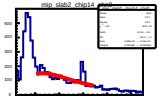

mip_slab2_chip14_chan5

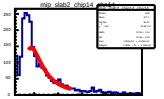

mip_slab2_chip14_chan6

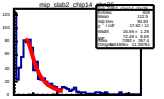

mip_slab2_chip14_chan7

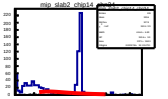

mip_slab2_chip14_chan8

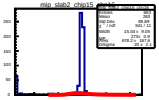

mip_slab2_chip14_chan9

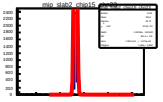

mip_slab2_chip14_chan10

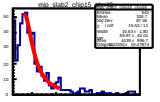

mip_slab2_chip14_chan11

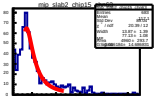

mip_slab2_chip14_chan12

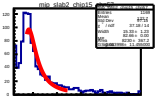

mip_slab2_chip14_chan13

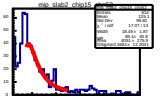

mip_slab2_chip15_chan15
Entries 1000
Mean 89.69
Std Dev 5.61 / 0.6
χ² / ndf 19.04 / 9.09
Width 3.01 ± 0.09
MPV 434.27 ± 10.74
Constant 90.7 ± 2.1

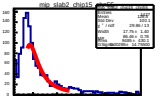

mip_slab2_chip15_chan16

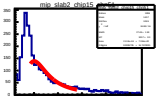

mip_slab2_chip15_chan17
Entries 1000
Mean 27.7
Std Dev 6.7
χ² / ndf 19.93 / 11
Width 19.93 ± 1.91
MPV 69.97 ± 40.52
Constant 19.93 ± 1.91
Integral 19.93 ± 1.91

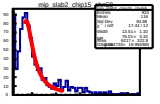

mip_slab2_chip15_chan18
Entries 1000
Mean 27.7
Std Dev 6.7
χ² / ndf 25.09 / 12
Width 13.67 ± 1.39
MPV 77.53 ± 1.08
Constant 25.09 ± 1.39
Integral 25.09 ± 1.39

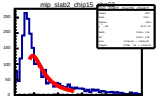

mip_slab2_chip15_chan19
Entries 1000
Mean 27.7
Std Dev 6.7
χ² / ndf 37.18 / 14
Width 15.33 ± 1.15
MPV 80.66 ± 0.59
Constant 37.18 ± 1.15
Integral 37.18 ± 1.15

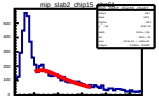

mip_slab2_chip15_chan20
Entries 1000
Mean 27.7
Std Dev 6.7
χ² / ndf 15.41 / 11
Width 15.41 ± 1.47
MPV 85.5 ± 40.8
Constant 15.41 ± 1.47
Integral 15.41 ± 1.47

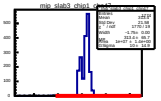

mip_slab2_chip15_chan21
Entries 1000
Mean 27.7
Std Dev 6.7
χ² / ndf 29.63 / 13
Width 17.75 ± 1.40
MPV 86.66 ± 0.70
Constant 29.63 ± 1.40
Integral 29.63 ± 1.40

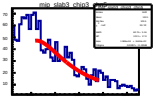

mip_slab2_chip15_chan22

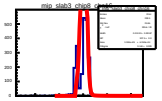

mip_slab2_chip15_chan23
Entries 1000
Mean 27.7
Std Dev 6.7
χ² / ndf 17.87 / 11
Width 19.91 ± 1.10
MPV 87.17 ± 0.63
Constant 19.91 ± 1.10
Integral 19.91 ± 1.10

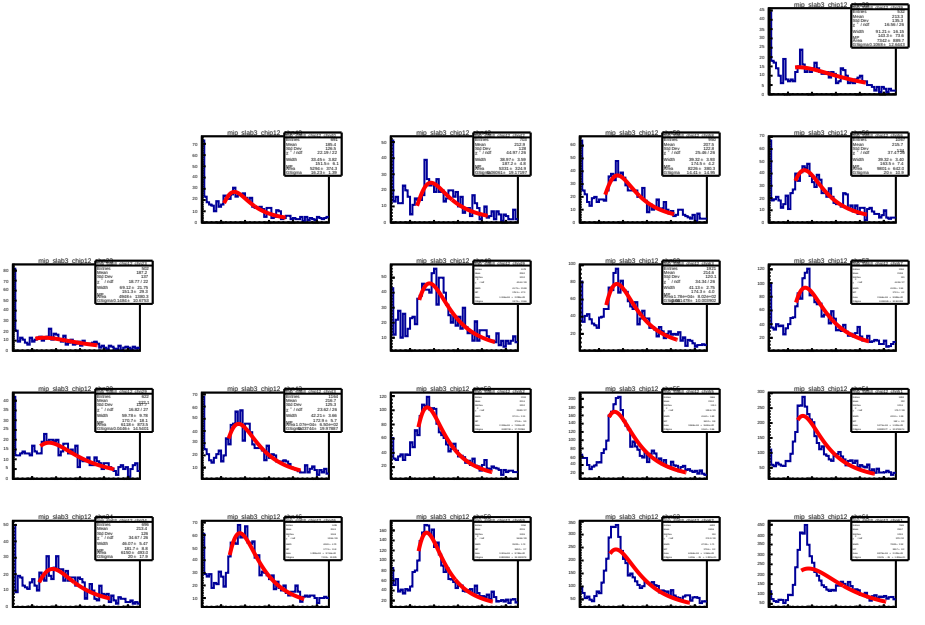

mip_slab2_chip15_chan24

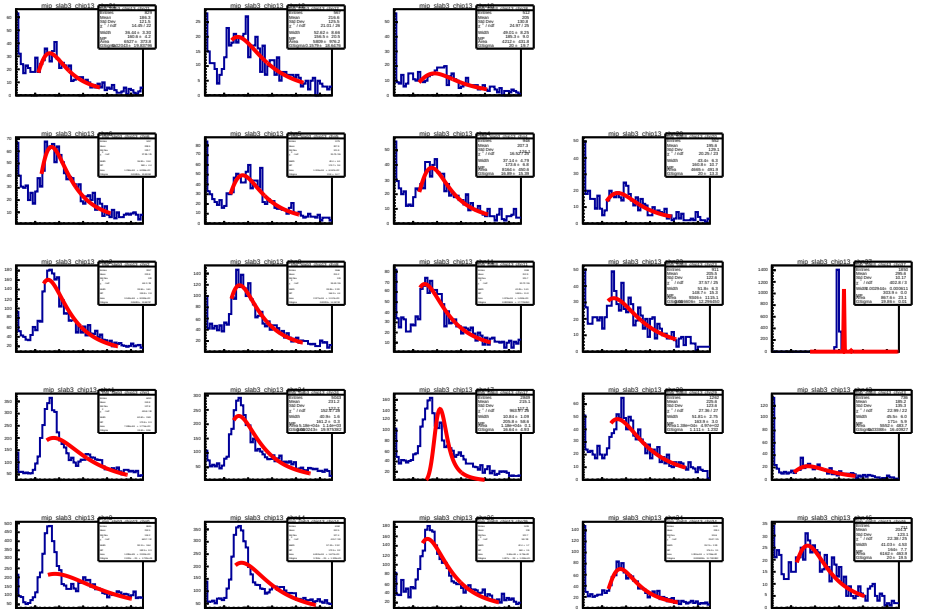

mip_slab2_chip15_chan25

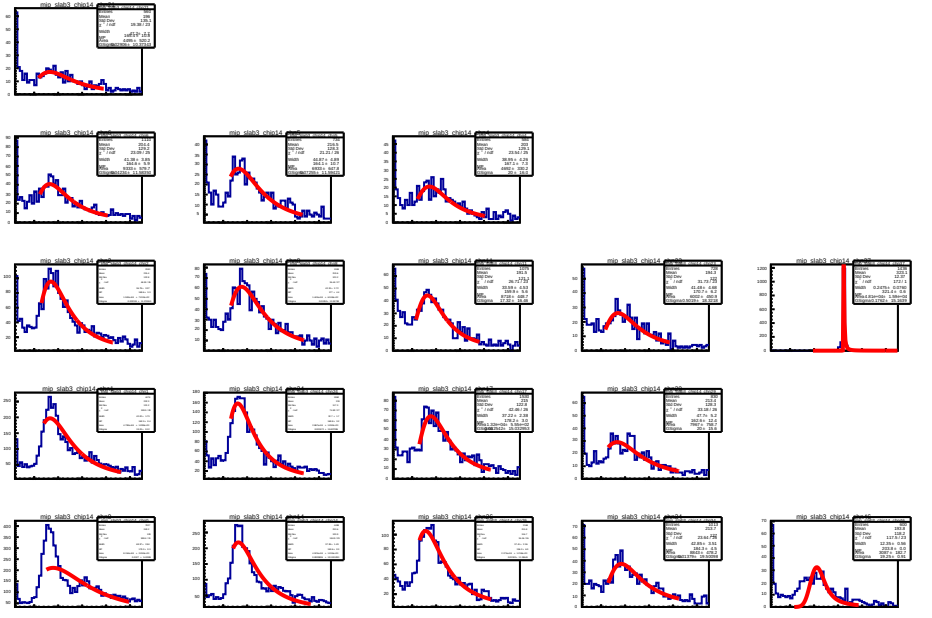

mip_slab3_chip1_chan25
Entries 1000
Mean 1.614
Std Dev 23.08
χ² / ndf 2.752 / 19
Width 0.7 ± 0.7
Sigma 24.3 ± 0.3
MPV 1.4 ± 0.4
Integral 24.1 ± 0.3

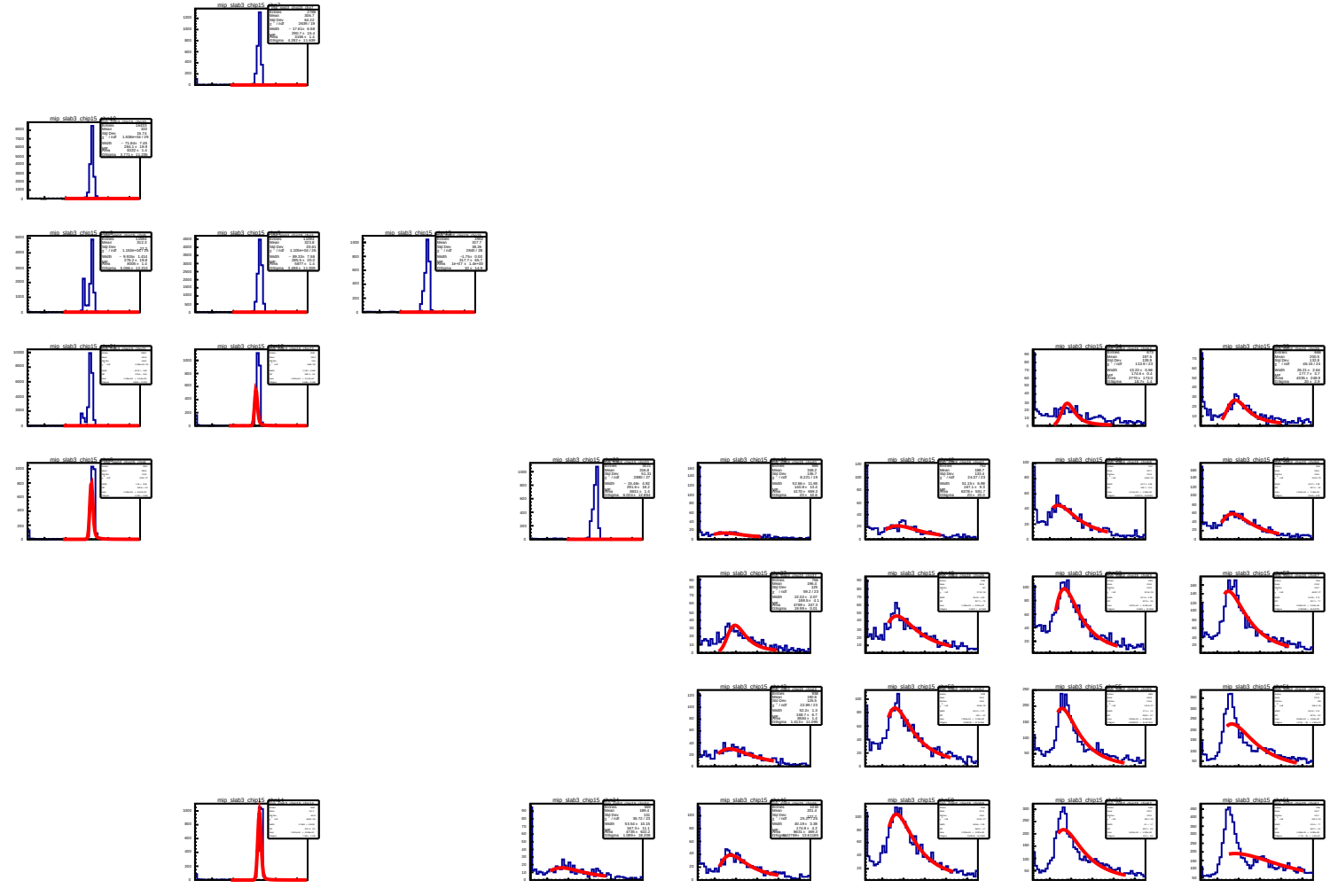

mip slab3 chip3 profile
Entries 1000
Mean 0.4
RMS 0.3
Underflow 0
Overflow 0
Integral 1000
Mean x 0.4
RMS x 0.3
Mean y 0.4
RMS y 0.3
Constant 0.0
Slope 0.0
Chi2 / ndf 0.0 / 0
Constant 0.0
Slope 0.0

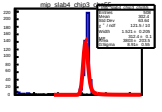

msp_slab3_chpu8_c4ch5
Fit_Parameters_and_Errors
Name Value Error
p0 0.000 0.000
p1 0.000 0.000
p2 0.000 0.000
p3 0.000 0.000
p4 0.000 0.000
p5 0.000 0.000
p6 0.000 0.000
p7 0.000 0.000
p8 0.000 0.000
p9 0.000 0.000
p10 0.000 0.000
p11 0.000 0.000
p12 0.000 0.000

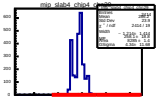

mip_slab3_chip12_ch55
mip_slab3_chip12_ch56
mip_slab3_chip12_ch57
mip_slab3_chip12_ch58
mip_slab3_chip12_ch59
mip_slab3_chip12_ch60
mip_slab3_chip12_ch61
mip_slab3_chip12_ch62
mip_slab3_chip12_ch63
mip_slab3_chip12_ch64
mip_slab3_chip12_ch65
mip_slab3_chip12_ch66
mip_slab3_chip12_ch67
mip_slab3_chip12_ch68
mip_slab3_chip12_ch69

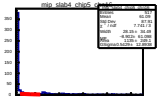

mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13

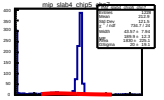


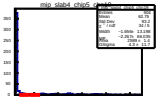


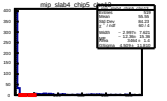

mip slab4 chip3 cut5c
Entries 7000
Mean 352.2
Std Dev 83.44
χ² / ndf 1151.8 / 7
Prob 0
Mpv 352.4 ± 0.1
Sigma 19.01 ± 0.08
Integral 3016 ± 0.0
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300

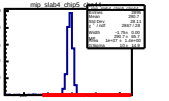

mip slab4 chb4 ptm20
Entries 1464
Mean 24.8
Std Dev 23.8
χ² / ndf 2.602 / 15
Prob 0.9996
Mean x 5.295 ± 0.012
Mean y 2.000 ± 0.000
Integral 2.000 ± 0.000
500
450
400
350
300
250
200
150
100
50
0

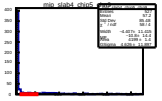

mip slab4 chip5 ch0
Entries 44 100
Mean 87.93
Std Dev 7.741 / 5
χ² / ndf 28.24 / 34.08
Width 7.741 ± 0.000
MPV −0.1184 ± 0.000 1
Integral/MPV 0.0000

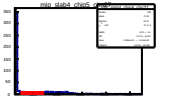

mip slab4 chip5 ch1
Entries 2124
Mean 121.5
Std Dev 736.7 / 24
χ² / ndf 12.57 / 7.63
Width 736.7 ± 7.63
MPV 1492.1 ± 0.0 1
Integral 20 ± 1.1

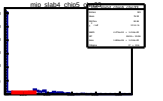

mip slab4 chip5 ch2
Entries 44 70
Mean 93.2
Std Dev 38.76
Width −0.0004 ± 13.198
MPV −0.0004 ± 0.000
Integral 4.71 ± 1.1

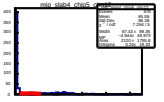

mip slab4 chip5 ch3
Entries 134
Mean 66.06
Std Dev 19.19
χ² / ndf 60 / 4
Width −2.0001 ± 7.631
MPV −2.0001 ± 0.0
Integral 0.0001 ± 0.0


mip slab4 chip5 ch4
Entries 2024
Mean 280.2
Std Dev 2947.7 / 19
χ² / ndf 0.75 / 0.92
Width 2947.7 ± 0.0
MPV 14×10⁶ ± 1.4×10⁶
Integral 20 ± 0.0

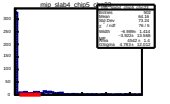

mip slab4 chip5 ch5
Entries 57
Mean 57.2
Std Dev 38.7
χ² / ndf 60 / 4
Width −4.4074 ± 11.439
MPV 15.84 ± 5.2
Integral 0.0000 ± 0.0

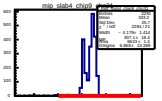

mip slab4 chip5 ch6
Entries 0
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0 / 0.0
Width 0.0 ± 0.0
MPV 0.0 ± 0.0
Integral 0.0000 ± 0.0

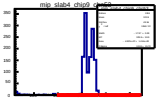

mip slab4 chip5 ch7
Entries 0
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0 / 0.0
Width 0.0 ± 0.0
MPV 0.0 ± 0.0
Integral 0.0000 ± 0.0

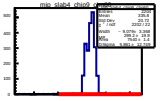

mip slab4 chip5 ch8
Entries 44 100
Mean 66.06
Std Dev 19.19
χ² / ndf 60 / 4
Width 67.42 ± 16.35
MPV −0.0001 ± 0.0 1
Integral 2323 ± 1763 1
Integral/MPV 0.0000

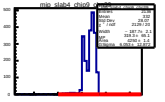
mip slab4 chip5 ch9
Entries 44 100
Mean 32.02
Std Dev 26.22
χ² / ndf 2617 / 1
Width −0.1351 ± 7.605
MPV −0.1351 ± 0.0 1
Integral 0.0000 ± 0.0

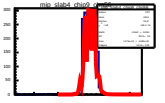

mip slab4 chip5 ch10
Entries 44 70
Mean 66.72
Std Dev 75.74
χ² / ndf 0 / 0
Width −0.0004 ± 0.0
MPV −0.0004 ± 0.0 1
Integral 4.7870 ± 0.0 1

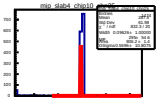
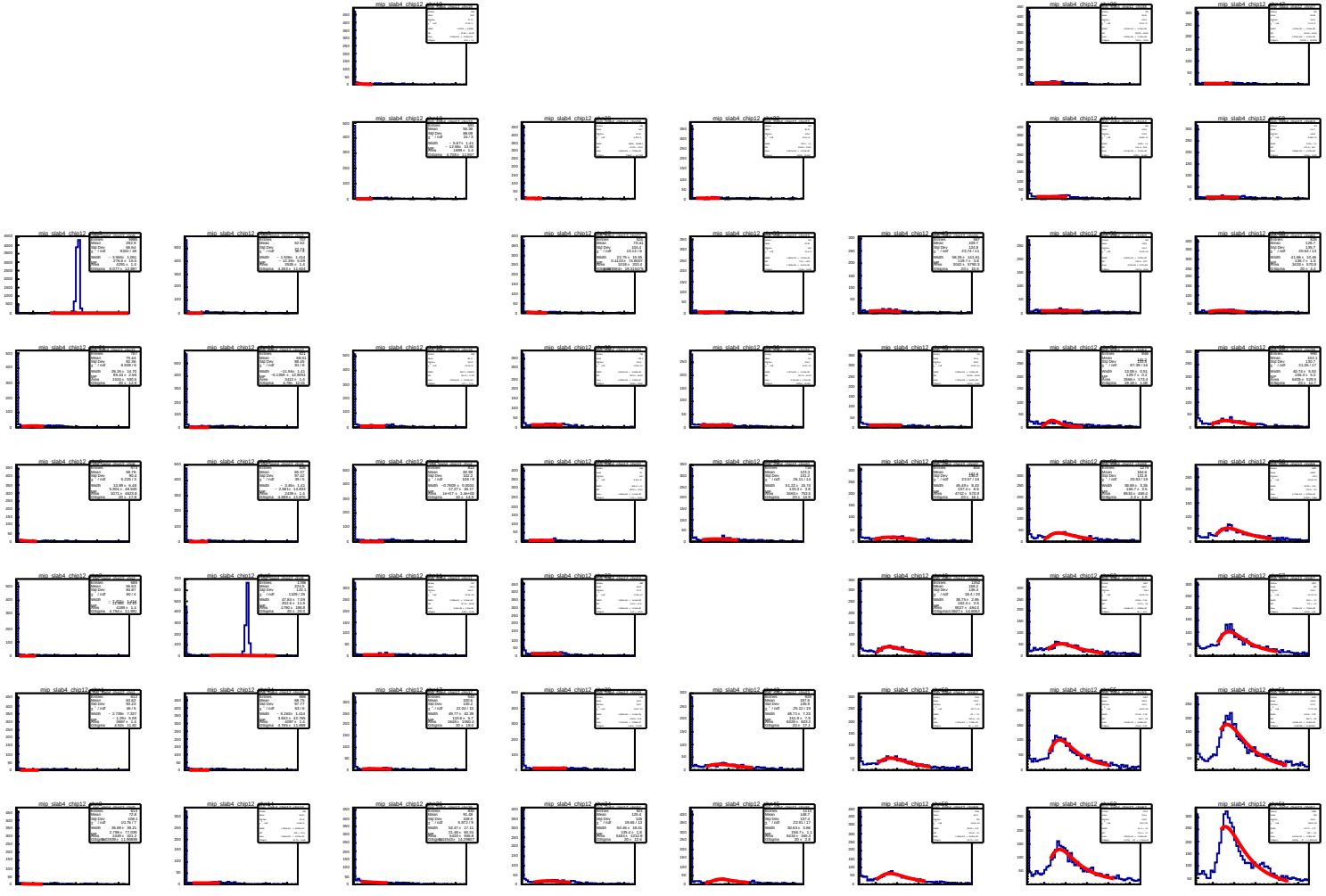
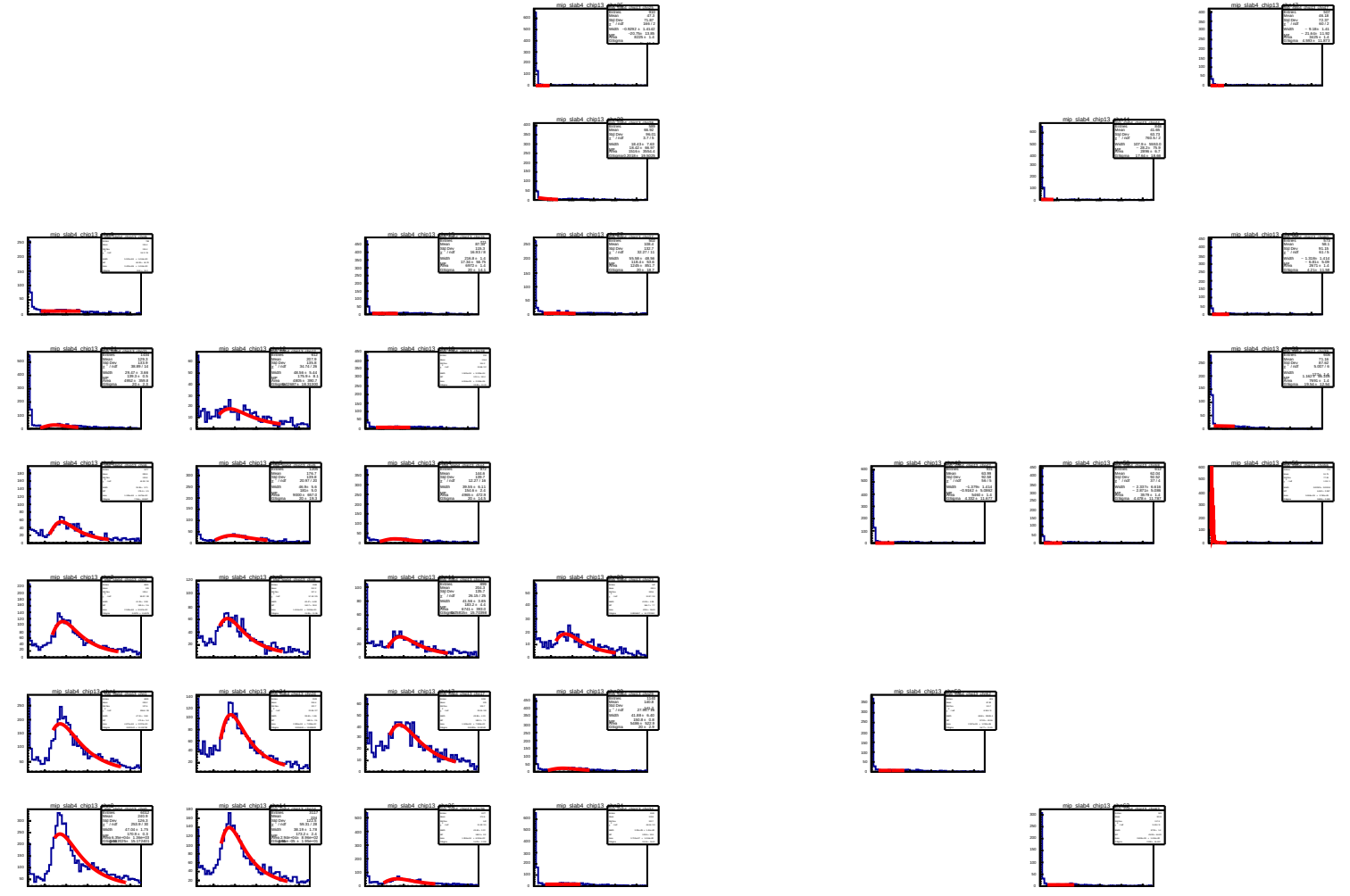
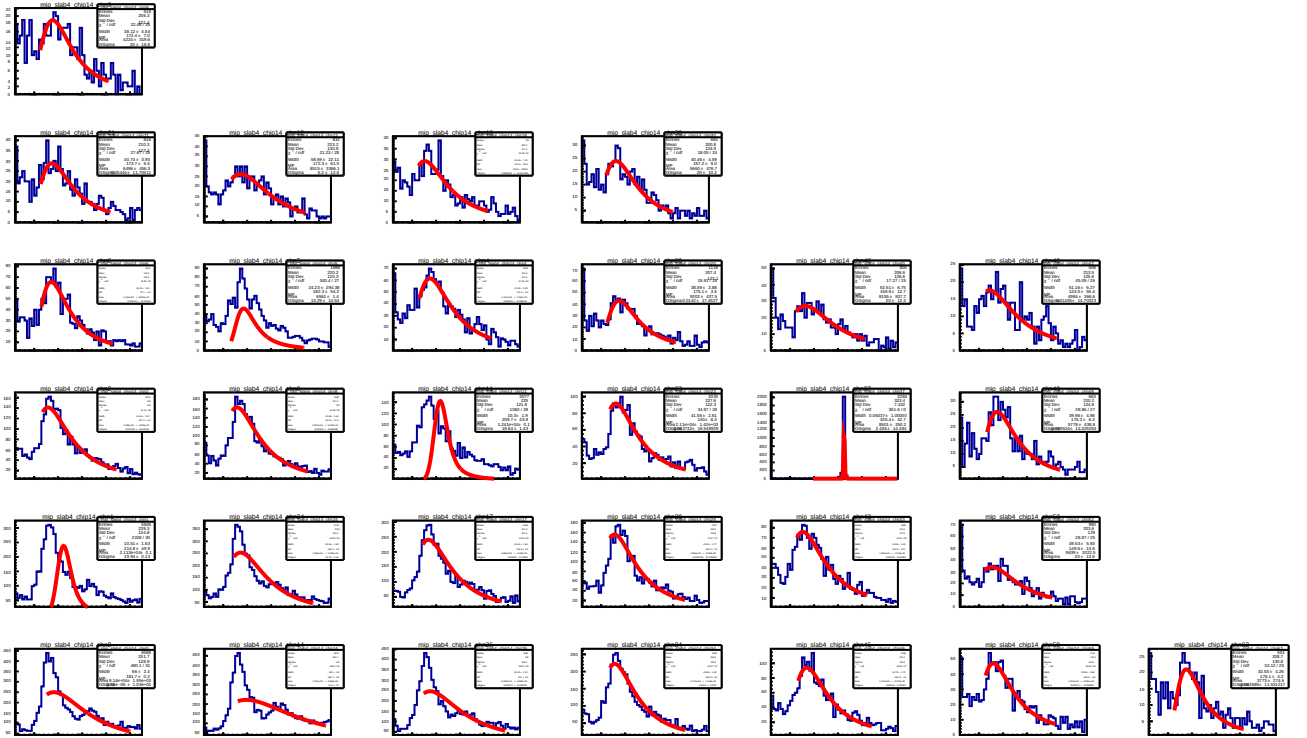
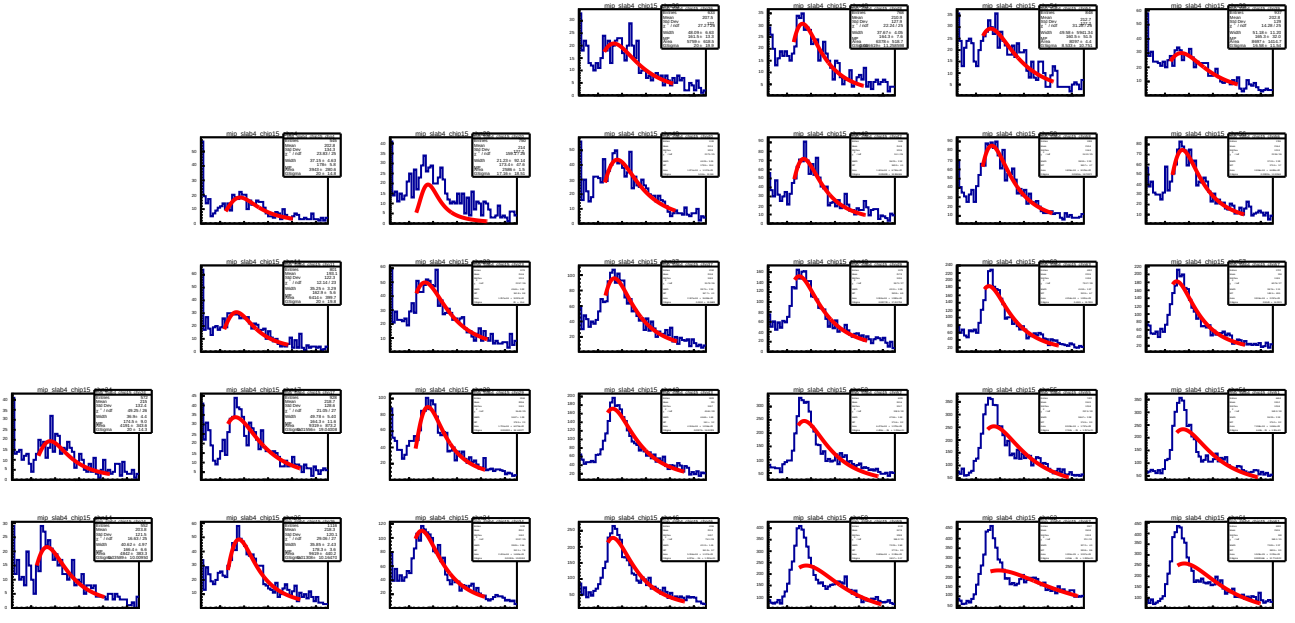

mip_slab4_chip2_chan24
Entries 2012
Mean 25.7
Std Dev 2294.71
χ / ndf 2294.71 / 0
Width - 0.1750 ± 3.414
Peak 1.000 ± 0.000
Mean 1.000 ± 0.000
Sigma 0.0000 ± 0.000


mip_slab4_chip2_chan25


mip_slab4_chip2_chan26


mip_slab4_chip2_chan27


mip_slab4_chip2_chan28


mip slab4 chn31 mm-05
Entries 1814
Mean 31.18
Std Dev 212.3 ± 1.0
Width 0.29633± 1.0016
Mean 282.2 ± 5.0
Integral Area 1.814
750
600
450
300
150
0