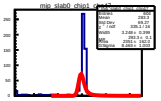
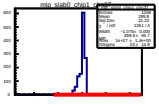
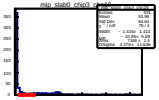
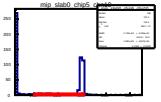
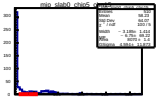

mip_slab0_chip1_chan0
Entries 2000
Mean 2013
Std Dev 69.17
χ² / ndf 2226.3 / 59
Width 3.248 ± 0.308
Area 2000 ± 44.7
MPV 2011 ± 14.3
Sigma 4.063 ± 0.127


mip_slab0_chip1_chan0
Entries 1200
Mean 2261
Std Dev 250.8
χ² / ndf 2261.4 / 3
Width 0.2791 ± 0.0202
1200.0 ± 60.7
MPV 64.0007 ± 0.0000
Sigma 0.1 ± 0.0

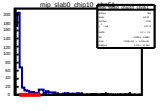
msp slab0 chip3 ch16

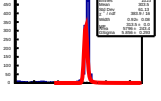


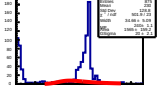

msp_slab0_chip5_cluster0
Entries 1
Mean 1.1
RMS 0.1
Underflow 0
Overflow 0
Integral 1.000e+00
Skewness 0.000e+00
Kurtosis 0.000e+00
250
200
150
100
50
0

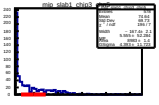

msp_slab0_chip5_cluster0
Entries 1
Mean 58.22
Std Dev 0.000
N_ch/cl 103.0
Width = 0.100n 1.414
= 0.75σ 58.22
Min 58.22
Underflow 0.000e+00 0.000
300
250
200
150
100
50
0

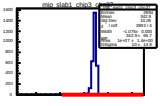
mip_slab0_chip10_ch63
Entries 2000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 2000.0
Skewness 0.000e+00
Kurtosis 0.000e+00
Calibrated = Charge

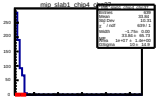

mip_slab0_chip10_ch64
Entries 2000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 2000.0
Skewness 0.000e+00
Kurtosis 0.000e+00
Calibrated = Charge

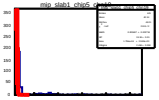

mip_slab0_chip10_ch65
Entries 2000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 2000.0
Skewness 0.000e+00
Kurtosis 0.000e+00
Calibrated = Charge

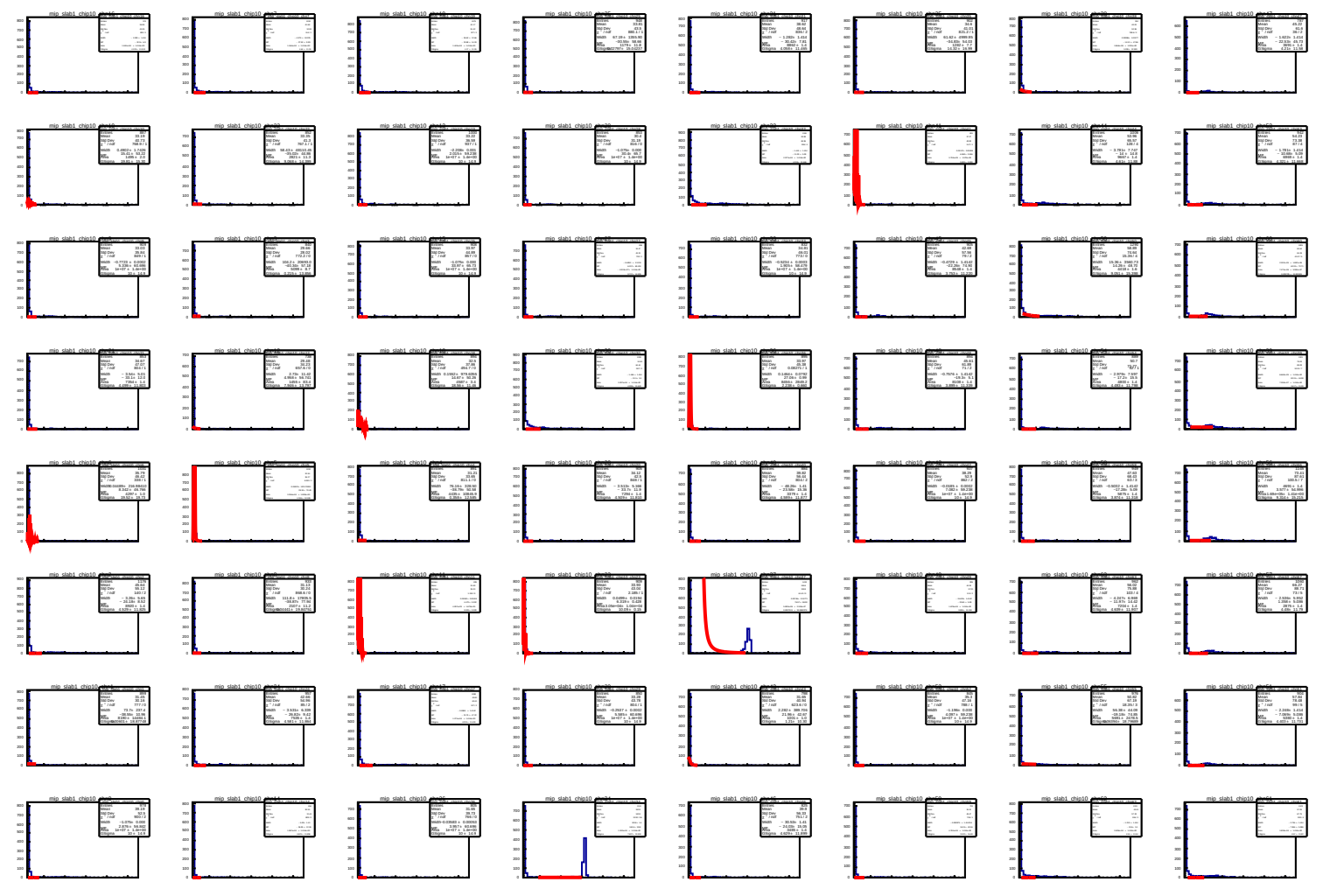

msp_slab0_chip11_adc0
Entries 2000
Mean 2.21
Std Dev 116.8
χ² / ndf 501.8 / 19
Width 16.66 ± 5.29
Mean 1.00 ± 0.26
Sigma 1999 ± 1047.2
Integrals 34 ± 4.1
180
160
140
120
100
80
60
40
20
0

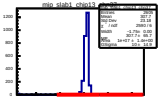

mip slab1 chn3 cmb
Entries 7194
Mean 19.53
Std Dev 10.72
χ / ndf 199 / 3
Width = 147.01 ± 2.3
0.0004 ± 0.0
Area 2000 ± 3.0
Sigma 1.993 ± 0.0
250
200
150
100
50
0
0
5
10
15
20
25
30
35
40
45
50

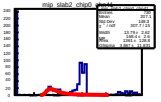

mip slab1 chn3 cmb
Entries 1234
Mean 312.4
Std Dev 57.8
χ / ndf 2693 / 4
Width = 1.279e- 0.000
1623.8 ± 60.7
Area 64-1047 ± 1.0
Sigma 47.1 ± 11.8
1600
1400
1200
1000
800
600
400
200
0

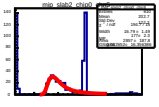

mip_slab1_chip4_cut30
Entries 1000
Mean 75.10
Std Dev 130.1
Underflow 0
Overflow 0
Integral 1000
Skewness 2.02
Kurtosis 3.12
250
200
150
100
50
0

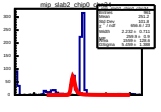

msp_slab1_chip5_chan6
Entries 1000
Mean 0.1
RMS 0.3
Underflow 0
Overflow 0
Integral = 1000.00
Skewness = 2.9
Kurtosis = 6.8
Chi2/ndf = 1.0
Prob = 0.000
Fit Par0 = 1000.00
Fit Par1 = 0.00
Fit Par2 = 0.00
350
300
250
200
150
100
50
0

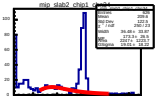


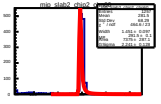

mip_slab1_chip13_chan3
Entries 2334
Mean 327.7
RMS 27.4
Underflow 0
Overflow 0
Integral 2333.18
χ² / ndf 2.75 / 0.00
Prob 0.000
Constant 327.7 ± 66.7
Mean 64.0007 ± 0.0000
Sigma 27.4 ± 11.8
1200
1000
800
600
400
200
0

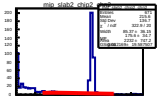

mip stab2 chip0 chn14
Entries 2514
Mean 181.4
Std Dev 307.7 ± 7.8
Width 10.79 ± 0.82
Mean 1381 ± 18.5
Sigma 6.991 ± 1.00

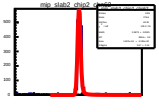

mip stab2 chip0 chn0
Entries 2514
Mean 2012
Std Dev 577.8
Width 16.74 ± 1.21
Mean 2917 ± 37.4
Sigma 16.98 ± 2.4

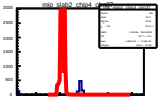

mip stab2 chip0 chn14
Entries 2514
Mean 181.4
Std Dev 559.8 ± 7.8
Width 2.230 ± 0.71
Mean 1381 ± 18.5
Sigma 6.991 ± 1.00

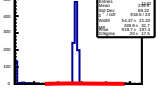

mip_slab2_chip1_chan1
Entries 2000
mean 1.01
RMS 2.07
χ² / ndf 2027 / 3
width 38.85± 38.87
MPV 1.00± 1.00
MPV 2277 ± 2281.7
integral 29.01± 3.13
100
95
90
85
80
75
70

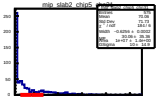

mip_slab2_chip2_chan0
Entries 3214
Mean 282.9
Std Dev 10.02
Mean x 1.494e+ 0.002
Std Dev x 283.9 ± 7.1
Integral 3214.0 ± 57.0
Underflow 2.000e+ 0.000

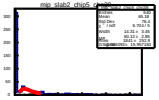

mip_slab2_chip2_chan2
Entries 1214
Mean 332.8
Std Dev 332.87 ±0
Mean x 55.27 ± 36.15
Std Dev x 54.7 ±
Integral 1214.0 ± 34.8
Underflow 57.0 ± 7.5

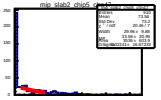

mip_slab2_chip2_chan3
Entries 3214
Mean 282.9
Std Dev 10.02
Mean x 1.494e+ 0.002
Std Dev x 283.9 ± 7.1
Integral 3214.0 ± 57.0
Underflow 2.000e+ 0.000

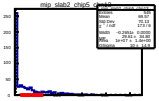

msp_slab2_chip4_ch19
3000
2500
2000
1500
1000
500
0

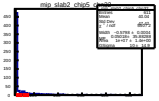

msp_slab2_chip4_ch20
500
400
300
200
100
0

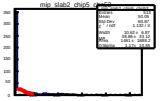

mip slab2 chip5 chan24

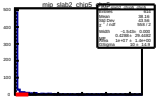

mip slab2 chip5 chan25

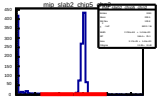

mip slab2 chip5 chan26

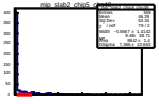

mip slab2 chip5 chan27

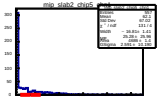

mip slab2 chip5 chan28

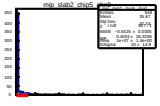

mip slab2 chip5 chan29

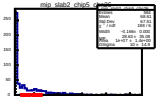

mip slab2 chip5 chan30

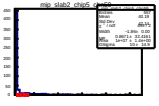

mip slab2 chip5 chan31

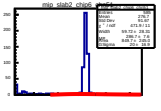

mip slab2 chip5 chan32

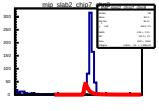

mip slab2 chip5 chan33

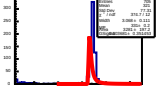

mip slab2 chip5 chan34

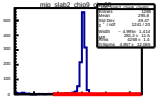

mip slab2 chip5 chan35

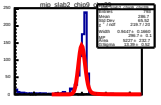

mip slab2 chip5 chan36

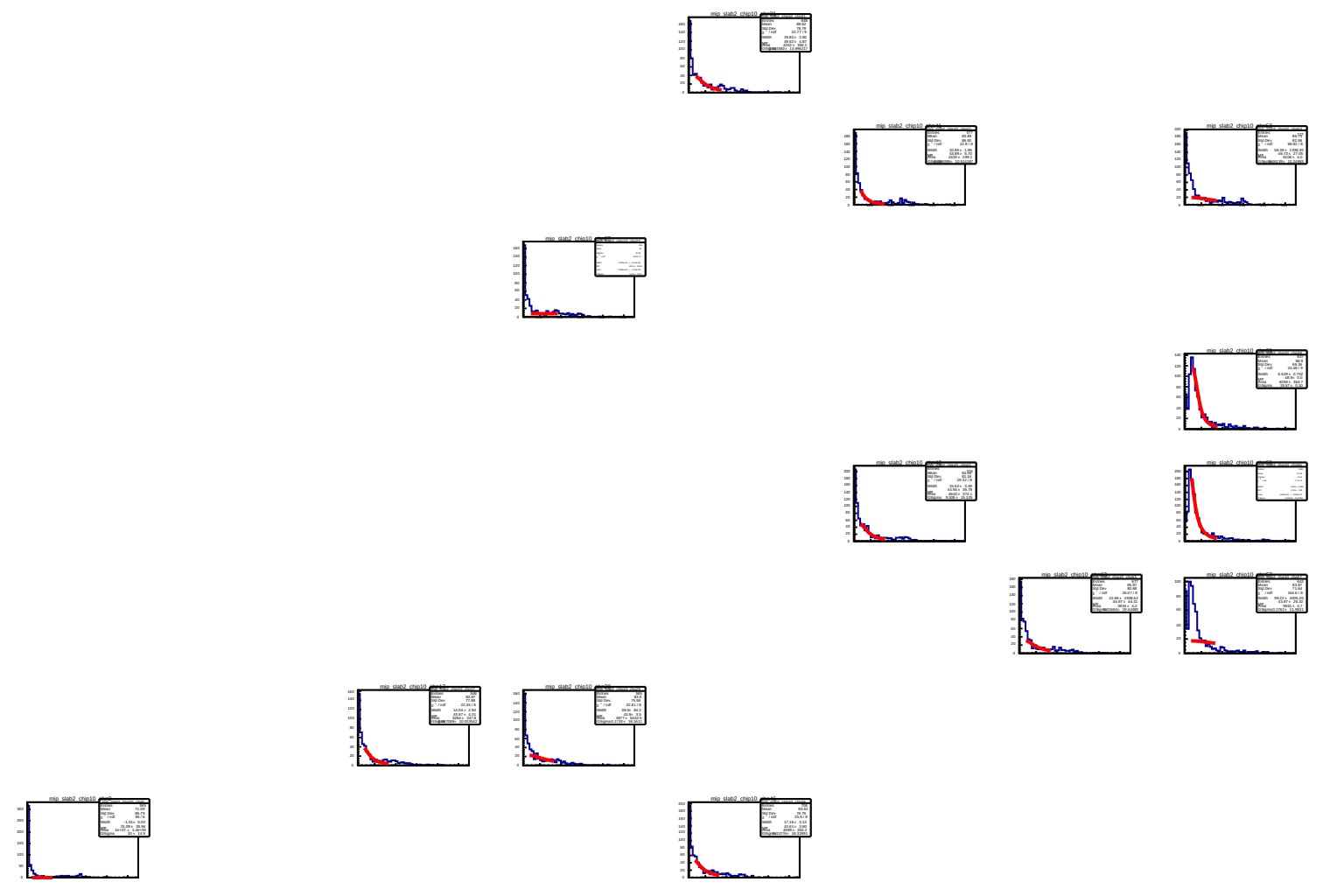

mip_slab2_chip5_chan5
Entries 2767
Mean 91.67
Std Dev 10.97
χ² / ndf 55.72 / 28.15
Prob 0.0
MPV 286.7 ± 3.6
Width 8.8 ± 0.8
Integral 2767 ± 53.6
300
250
200
150
100
50
0

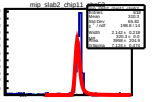

mip_slab2_chip7_
Entries 2
Mean 2.5
Mean x 2.5
RMS 0.7071
RMS x 0.7071
Width 3.3826 ± 0.313
Width x 3.3826 ± 0.313
Area 3267 ± 347.1
Integral 3267 ± 347.1
Underflow 0 ± 0.0
Overflow 0 ± 0.0
Skewness 0.0000 ± 0.0000
Skewness x 0.0000 ± 0.0000
Kurtosis 0.0000 ± 0.0000
Kurtosis x 0.0000 ± 0.0000
Chi2 / ndf 0.0000 / 0
Prob 1.000
p0 3267 ± 347.1
p1 0.0000 ± 0.0000
p2 3.3826 ± 0.313
350
250
150
50
0

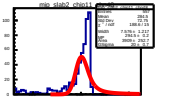

mip_slab2_chip7_
Entries 2
Mean 2.5
Mean x 2.5
RMS 0.7071
RMS x 0.7071
Width 3.3826 ± 0.313
Width x 3.3826 ± 0.313
Area 3267 ± 347.1
Integral 3267 ± 347.1
Underflow 0 ± 0.0
Overflow 0 ± 0.0
Skewness 0.0000 ± 0.0000
Skewness x 0.0000 ± 0.0000
Kurtosis 0.0000 ± 0.0000
Kurtosis x 0.0000 ± 0.0000
Chi2 / ndf 0.0000 / 0
Prob 1.000
p0 3267 ± 347.1
p1 0.0000 ± 0.0000
p2 3.3826 ± 0.313
350
250
150
50
0

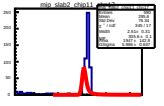

mip_slab2_chip2_chan5
Entries 1000
Mean 290.8
Std Dev 11.63
χ² / ndf 11.63 / 10
Width -4.9MHz 1.41E
PHEIGH 1.5 E
Area 1.5 E
Sigma 3.85e+04 ± 0.0

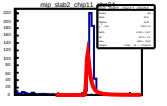

mip_slab2_chip2_chan5
Entries 1000
Mean 290.2
Std Dev 43.12
χ² / ndf 229.7 / 7
Width 0.9447MHz
28.2 ± 0.1
Area 5227 ± 23.2
Sigma 12.0 ± 0.1

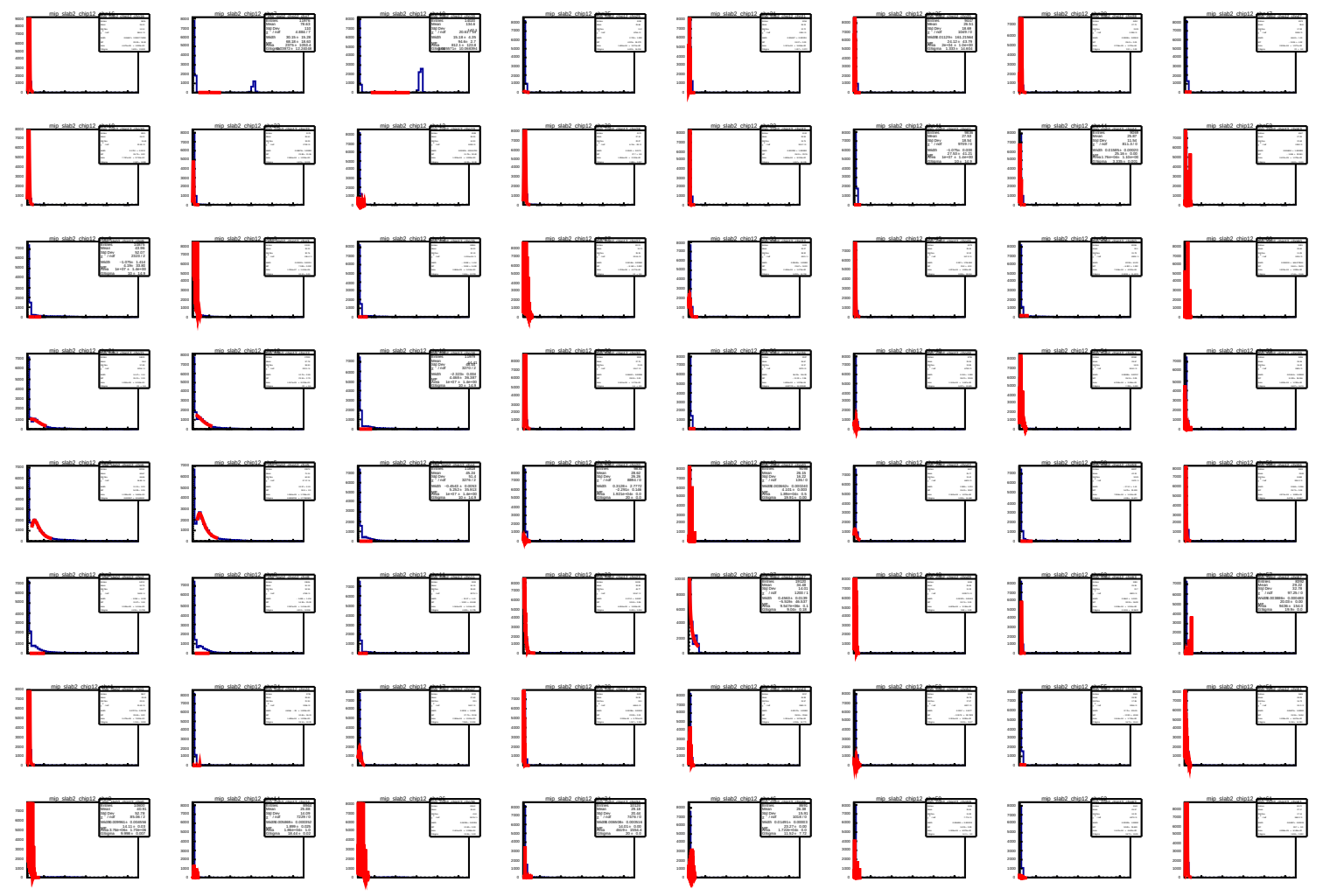

mip slab2 chip10
mip slab2 chip10
mip slab2 chip10
mip slab2 chip10
mip slab2 chip10
mip slab2 chip10
mip slab2 chip10
mip slab2 chip10
mip slab2 chip10
mip slab2 chip10
mip slab2 chip10
mip slab2 chip10
mip slab2 chip10
mip slab2 chip10

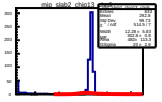

mip slab2 chip14 chan25
Entries 3167
Mean 3.127
Std Dev 0.6
χ² / ndf 108.8 / 12
Width 2.142 ± 0.018
Area 1.000 ± 0.000
MPV 3.000 ± 0.015
Sigma 0.516 ± 0.015

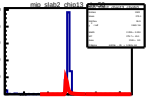

mip slab2 chip14 chan26
Entries 2914
Mean 2.913
Std Dev 0.7
χ² / ndf 112.3 / 13
Width 7.575 ± 0.127
Area 1.000 ± 0.0
MPV 2.000 ± 0.012
Sigma 0.5

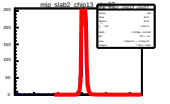

mip slab2 chip11 chan13
Entries 2914
Mean 2.913
Std Dev 0.7
χ² / ndf 112.3 / 13
Width 2.014 ± 0.01
Area 1.000 ± 0.0
MPV 3.000 ± 0.012
Sigma 0.500 ± 0.012

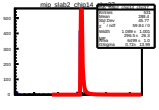

mip slab2 chip11 chan14

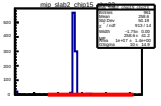


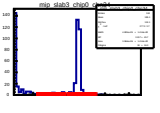

mip slab2 chan13
Entries 1000
Mean 282.8
Std Dev 9.123
χ² / ndf 9.123 / 7
Width 12.28 ± 9.83
Area 1000 ± 0.0
Mpv 282.3 ± 0.3
Sigma 10.0 ± 0.0

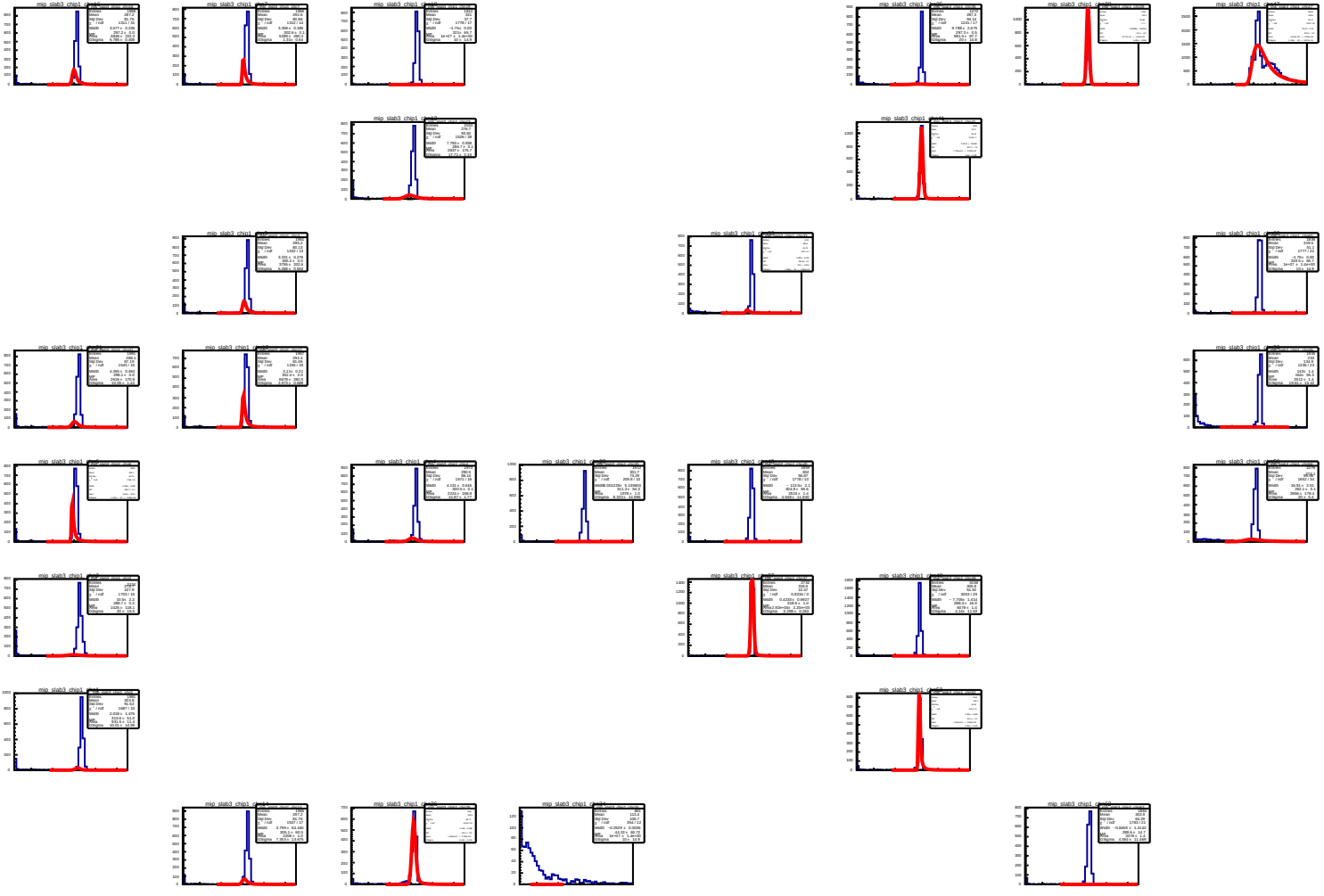

mip slab2 chan13

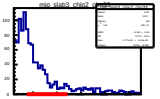

mip slab2 chan13

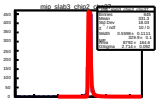

mip_slab2_chip14_strip2
Entries 1000
Mean 200.2
Std Dev 58.86 / 0
Integral 1000
Underflow 0
Overflow 0
500
400
300
200
100
0

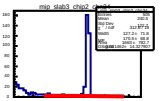

mip_slab2_chip15_ch13
Entries 1000
Mean 2.07
RMS 0.27
χ² / ndf 933 / 14
Width -1.79± 0.01
Area 2.18± 0.12
Mean 54.07 ± 0.01
Sigma 0.5 ± 0.01
500
400
300
200
100
0

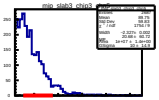

mip_slab3_chip0_chan3
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 1000
Mean x 0.0
RMS x 0.0
Underflow x 0
Overflow x 0
Integral x 1000
Mean y 0.0
RMS y 0.0
Underflow y 0
Overflow y 0
Integral y 1000
250
200
150
100
50
0

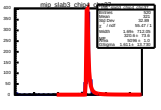


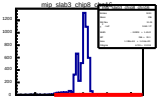

mip_slab3_chip2_ch10
Entries 1000
Mean 1.1
RMS 1.1
Underflow 0
Overflow 0
Integral 1000
χ² / ndf 1.1e+03 / 1
Prob 0
Constant 1.1e+03 ± 0.0
Mean 0.9998 ± 0.0111
Sigma 0.1 ± 0.1
MPV 0.9998 ± 0.0111
Eta 0.0000 ± 0.0000
Sigma 0.1000 ± 0.0000
100
80
60
40
20
0

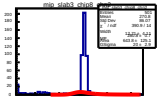

mip_slab3_chip2_ch10
Entries 1000
Mean 10.0
RMS 10.0
Underflow 0
Overflow 0
Integral 1000
χ² / ndf 1.1e+03 / 1
Prob 0
Constant 1.1e+03 ± 0.0
Mean 9.9998 ± 0.0111
Sigma 0.1 ± 0.1
MPV 9.9998 ± 0.0111
Eta 0.0000 ± 0.0000
Sigma 0.1000 ± 0.0000
450
400
350
300
250
200
150
100
50
0

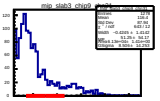

mip_slab3_chip2_ch10
Entries 1000
Mean 127.2
RMS 71.8
Underflow 0
Overflow 0
Integral 1000
χ² / ndf 111.9 / 1
Prob 0
Constant 127.2 ± 71.8
Mean 1000.1 ± 0.0
Sigma 100.1 ± 0.0
MPV 1000.1 ± 0.0
Eta 0.0000 ± 0.0000
Sigma 100.0 ± 0.0
160
140
120
100
80
60
40
20
0

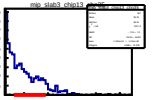

mip_slab3_chip3
Mean 96.93
Std Dev 59.63
χ² / ndf 1756.72
Width -2.5025 0.0102
0.0025 0.0102
Peak 14.417 ± 1.9130
Sigma 2.71 ± 0.14
250
200
150
100
50
0

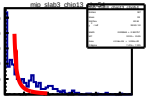

mip_slab3_chip4_c_mip
450
400
350
300
250
200
150
100
50
0
Entries 1000
Mean 1.39
Std Dev 0.0
Integral 1000.0
Underflow 0.0
Overflow 0.0
Mean x 56.67
Std Dev x 0.0
Mean y 1.39
Std Dev y 73.26
Mean z 0.0
Std Dev z 0.0
Mean t 1.39
Std Dev t 73.26

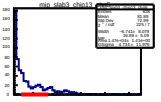

mip_slab3_chip8_ch45
Entries 1000
Mean 1.000
RMS 0.000
Underflow 0
Overflow 0
Integral 1000.00
Skewness 0.000
Kurtosis 0.000
1200
1000
800
600
400
200
0

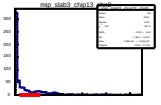

mip_slab3_chip8_ch2
Entries 1000
Mean 1.000
RMS 0.000
Underflow 0
Overflow 0
Integral 1000.00
Skewness 0.000
Kurtosis 0.000
200
180
160
140
120
100
80
60
40
20
0

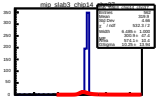

mip_slab3_chip9_stack1
Entries 1111
Mean 12.12
RMS 12.12
Std Dev 87.64
χ² / ndf 6.01 / 12
Width -0.4269 ± 0.4142
Area 1.111e+03
MPV 1.19e+03 ± 1.61e+03
Sigma 0.5954 ± 0.2161
120
100
80
60
40
20
0

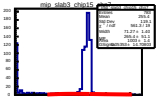

mip slab3 chip13

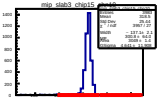

mip slab3 chip13

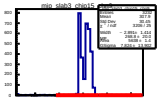

mip slab3 chip13
Mean 31.94
Std Dev 23.05
χ / ndf 2017 / 7
Width 4.710 ± 0.015
31.94 ± 0.03
Mpv 1.270 ± 0.011
Area 2.715 ± 0.014

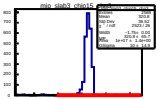

mip slab3 chip13

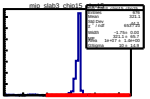

mip_slab3_chip14_strip3
Entries 1024
Mean 700.8
RMS 19.6
Underflow 0
Overflow 0
Integral 512.0 / 7
Const 6.189 ± 1.000
Mean 700.8 ± 17.4
Sigma 19.6 ± 12.3
Chi2/ndf 10.35 / 13.00
350
300
250
200
150
100
50
0

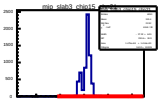

mip slab3 chip15

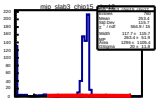

mip slab3 chip15

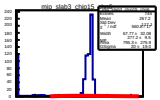

mip slab3 chip15

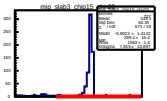

mip slab3 chip15

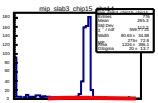

mip slab3 chip15

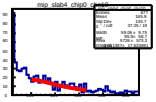

mip slab3 chip15

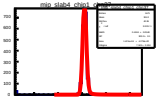

mip slab3 chip15

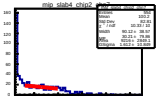

mip slab3 chip15

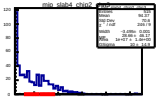

mip slab3 chip15

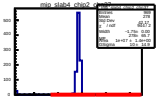

mip slab3 chip15

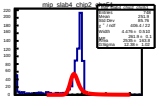

msp_slab4_chip0_channel0
Entries 1197
Mean 169.9
Mean y 2.000
χ² / ndf 37.25 / 18
Prob 0.0
Gauss 59.08 ± 9.73
Mean 0.0000 ± 0.0000
Sigma 0.0000 ± 0.0000
Constant 1.000000
50
80
70
60
50
40
30
20
10
0

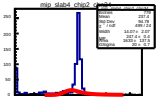

mip_slabd_chip1_ch10
Statistics panel
Entries 2000
Mean 0.0
Std Dev 0.0
Underflow 0
Overflow 0
Integral 2000.0
Skew 0.0
Kurt 0.0
Mean x -0.0000 ± 0.0000
Mean y 0.0
Std Dev x 0.0000 ± 0.0000
Std Dev y 0.0
Correlation 0.0000 ± 0.0000
750
600
500
400
300
200
100
0

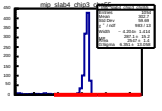

mip_slab4_chip2_chan2
Entries 1000
Mean 22.01
Std Dev 10.57
χ² / ndf 10.57 / 17
Width 30.13 ± 28.98
Sigma 14.57 ± 14.01
MPV 8.011 ± 24.61
Integral 1.403e-03 ± 0.00

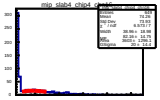

mip_slab4_chip2_chan3
Entries 1000
Mean 94.37
Std Dev 2.05
χ² / ndf 2.05 / 4
Width -0.499e-01 0.001
MPV 29.97 ± 99.11
Integral 1.e+07 ± 1.e+14

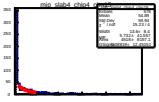

mip_slab4_chip2_chan1
Entries 1000
Mean 7.08
Std Dev 10.17
χ² / ndf 2.7
Width -1.79e 0.00
-7.08e 69.37
MPV 14.07 ± 0.00
Integral 2.1 ± 11.8

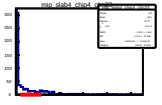

mip_slab4_chip2_chan4
Entries 1000
Mean 210.2
Std Dev 35.75
χ² / ndf 2.7
Width 4.479e 0.00
MPV 210.8 ± 3.3
Integral 22.81 ± 0.0

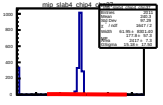

mip_slab4_chip2_chan5
Entries 1000
Mean 23.17
Std Dev 10.73
χ² / ndf 489.73
Width 14.07 ± 17.07
MPV 19.01 ± 0.0
Integral 14.01 ± 14.1
Sigma 20 ± 0.0

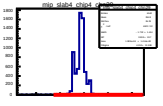

mip slab4 chip3 chan5
Entries 10000
Mean 50.17
Std Dev 98.68
χ² / ndf 6.58 / 1
p0 3.35e+ 3.41e
p1 207.1 ± 0.2
p2 20.4 ± 0.2
p3 0.000 ± 0.000
0
50
100
150
200
250
300
350
400
450
500

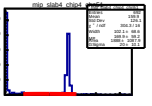

mip_slab4_chip4_chan5
Entries 74
Mean 73.69
Std Dev 6.573 / 7
Const 38.96 ± 16.96
Mean 73.69 ± 0.09
Sigma 2.601 ± 1.296 ±
Chi2/ndf 20.4 / 2.4

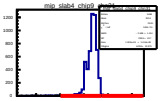

mip_slab4_chip4_chan6
Entries 54
Mean 54.09
Std Dev 19.23 / 6
Const 23.91 ± 8.4
Mean 54.09 ± 0.97
Sigma 8.197 ± 2.197
Chi2/ndf 13.6 / 1.1

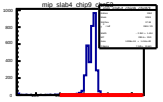

mip_slab4_chip4_chan7
Entries 2214
Mean 127.2
Std Dev 37.2
Const 2647 / 2
Mean 61.99 ± 3051.03
177.41 ± 57.2
Sigma 19.03 ± 17.02
Chi2/ndf 19.03 / 17.02

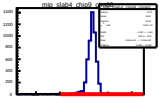

mip_slab4_chip4_chan8
Entries 1924
Mean 102.4
Std Dev 124.3
Const 1924 / 1
Mean 102.4 ± 68.8
Sigma 288.9 ± 38.2
Chi2/ndf 1488.5 / 1
Sigma 28.2 ± 0.7

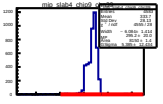

mip_slab4_chip4_chan9
Entries 4
Mean 4.5
Const 4
Mean 4.5 ± 0.5
Sigma 0.5 ± 0.5
Chi2/ndf 1.5 / 1.5

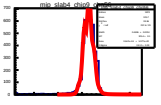

mip_slab4_chip4_chan10
Entries 1
Mean 1.0
Std Dev 1.0
Const 1
Mean 1.0 ± 0.0
Sigma 0.0 ± 0.0
Chi2/ndf 0.0 / 0.0

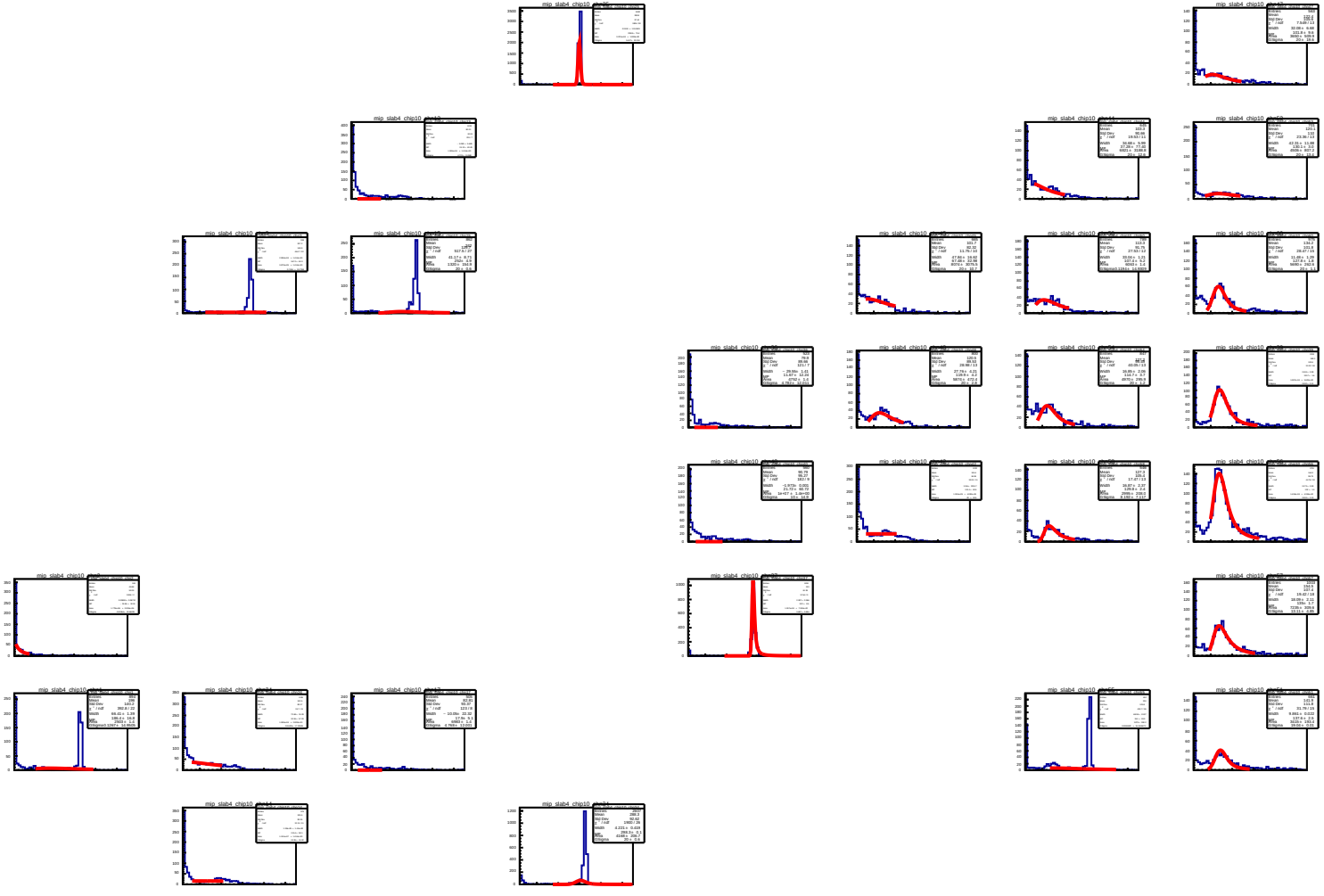

mip_slab4_chip0_strip1

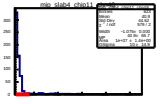

mip_slab4_chip0_strip5

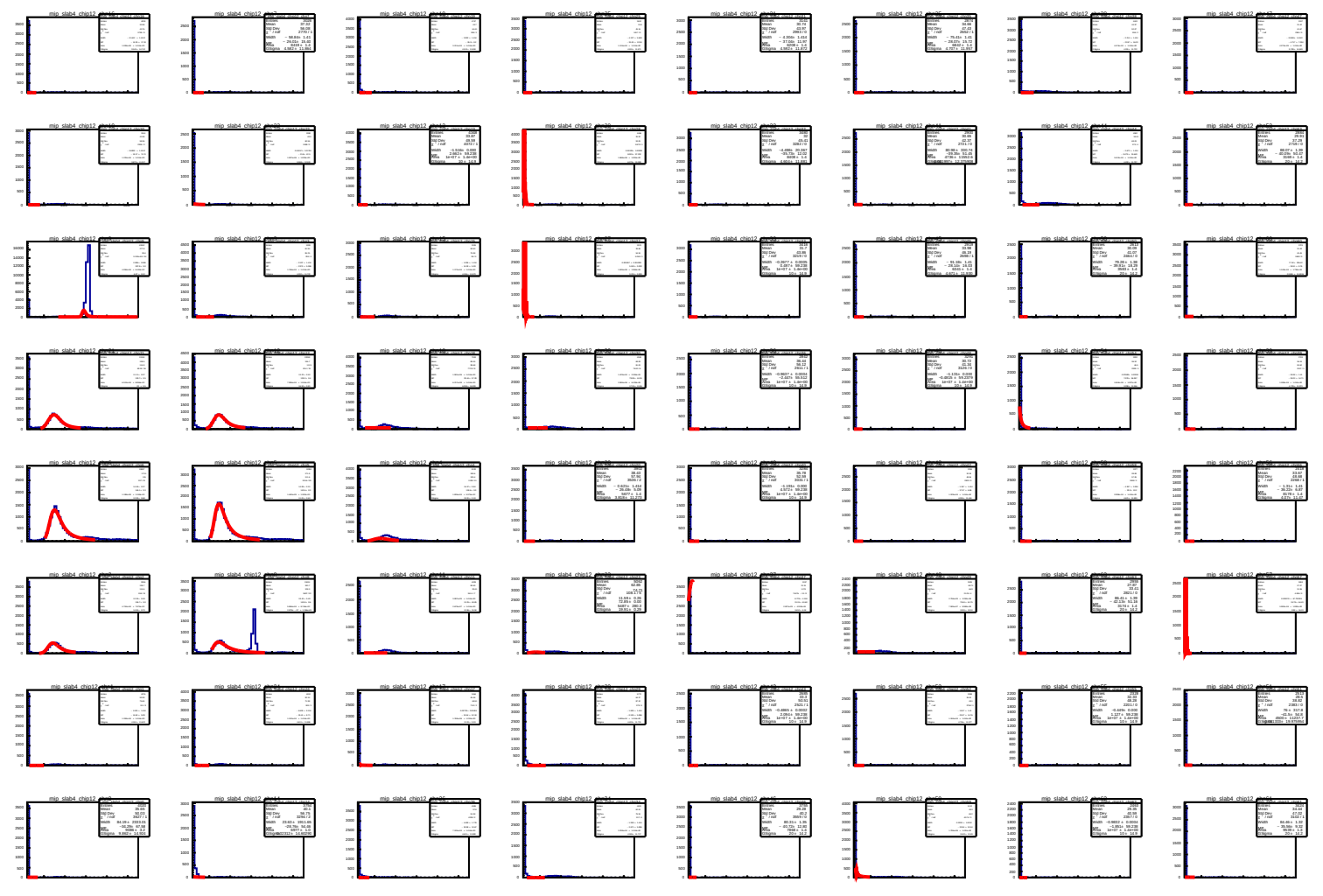

mip_slab4_chip0_strip6

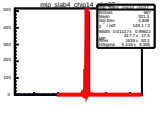

mip_slab4_chip0_strip7


mip_slab4_chip0_strip8




mip_sigma_chi2/d
Entries 2018
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0 / 0
Mean -0.0750± 0.0010
σ0 0.0 ± 0.0
Const 1.0e+07 ± 1.3e+05
σ1 0.0 ± 0.0
300
250
200
150
100
50
0




mip_slabd_chip14_chip2
Entries 1000
Mean 75.4
Mean x 75.4
Std Dev 149.6 17
Integral 1000
Skewness 0.011217± 0.098612
317.71± 17.6
MPV 0.0000
Missing 0.000± 0.000
500
400
300
200
100
0