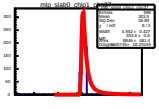
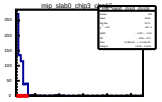
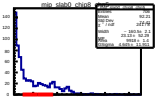
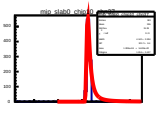
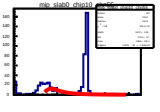
mip_slab0_chip0_crate0
350
300
250
200
150
100
50
0
Mean 1.000
Std Dev 0.000
Entries 1000
Underflow 0
Overflow 0
Integral 1000.
X: 0.000 - 1.000
Y: 0.000 - 0.000
Underflow: 0.000 - 0.000
Overflow: 0.000 - 0.000

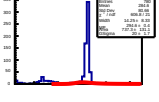

mip_slab0_chan1_cut10
Entries 1000
Mean 20.13
Std Dev 8.17
χ² / ndf 4.902 / 12.427
Prob 0.9618
MPV 19.64 ± 0.04
Sigma 1.01 ± 0.03
Area 20.14 ± 0.01
300
250
200
150
100
50
0

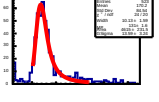

msp_slab0_chip3_clock5
Entries 1000
Mean 1.00
Std Dev 0.00
Underflow 0
Overflow 0
Integral 1000.00
Skewness -nan
Kurtosis -nan
Total Sum 1000.00
250
200
150
100
50
0

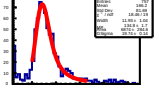

mip_stib0_chip8_
Entries 1024
Mean 10.24
Std Dev 12.72
χ² / ndf 2.5e+02
Width
Mean 1.343 ± 0.3
Sigma 0.8189 ± 0.3
Area 1.1e+3
Sigma 0.4093 ± 0.2
140
120
100
80
60
40
20
0

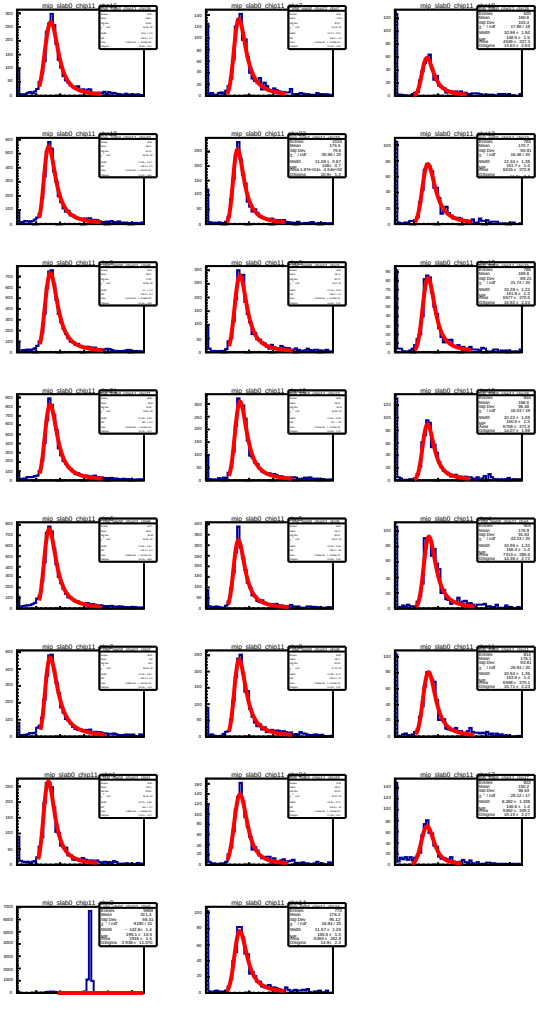

mip_slab0_chip10_chan32
Entries 1000
Mean 0.00
RMS 0.00
Underflow 0
Overflow 0
Integral 1000
Constant 1000.0 ± 0.0
Mean 0.0000 ± 0.0000
Sigma 0.0000 ± 0.0000
500
400
300
200
100
0

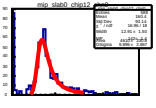

mip_slab0_chip10_chan55
Entries 1000
Mean 0.00
RMS 0.00
Underflow 0
Overflow 0
Integral 1000
Constant 1000.0 ± 0.0
Mean 0.0000 ± 0.0000
Sigma 0.0000 ± 0.0000
160
140
120
100
80
60
40
20
0


mip_slab0_chip10_chan16
Entries 1000
Mean 14.00
RMS 0.00
χ² / ndf 506.87 / 0
Width 14.29 ± 9.10
Sigma 0.00 ± 0.00
MPV 707.71 ± 145.1
Integral 30 ± 0
350
300
250
200
150
100
50
0

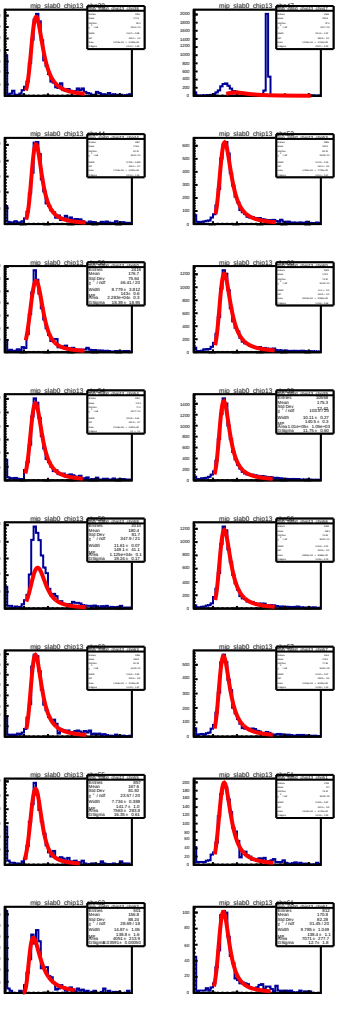

mip_slab0_chip10_chan30
Entries 1000
Mean 15.27
RMS 3.52
χ² / ndf 217 / 23
Width 10.15 ± 1.99
Sigma 13.84 ± 2.13
MPV 80.03 ± 15.5
Integral 13.84 ± 2.13
60
50
40
30
20
10
0

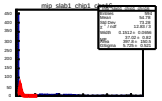

mip_slab0_chip10_chan40
Entries 1000
Mean 14.00
RMS 0.00
χ² / ndf 16.80 / 13
Width 11.90 ± 1.32
Sigma 0.00 ± 0.00
MPV 667.0 ± 28.1
Integral 29.70 ± 0.53
70
60
50
40
30
20
10
0

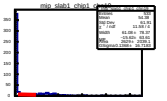


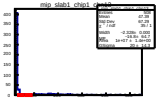

msp_slab0_chip12_adc
Entries 1000
Mean 39.12
RMS Div 10.14
χ² / ndf 16.90 / 18
MPV 13.95 ± 1.50
Width 2.07 ± 0.14
Integral 0.998 ± 0.003
90
80
70
60
50
40
30
20
10
0

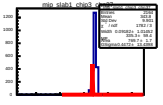
mip slab0 chip13 chan32

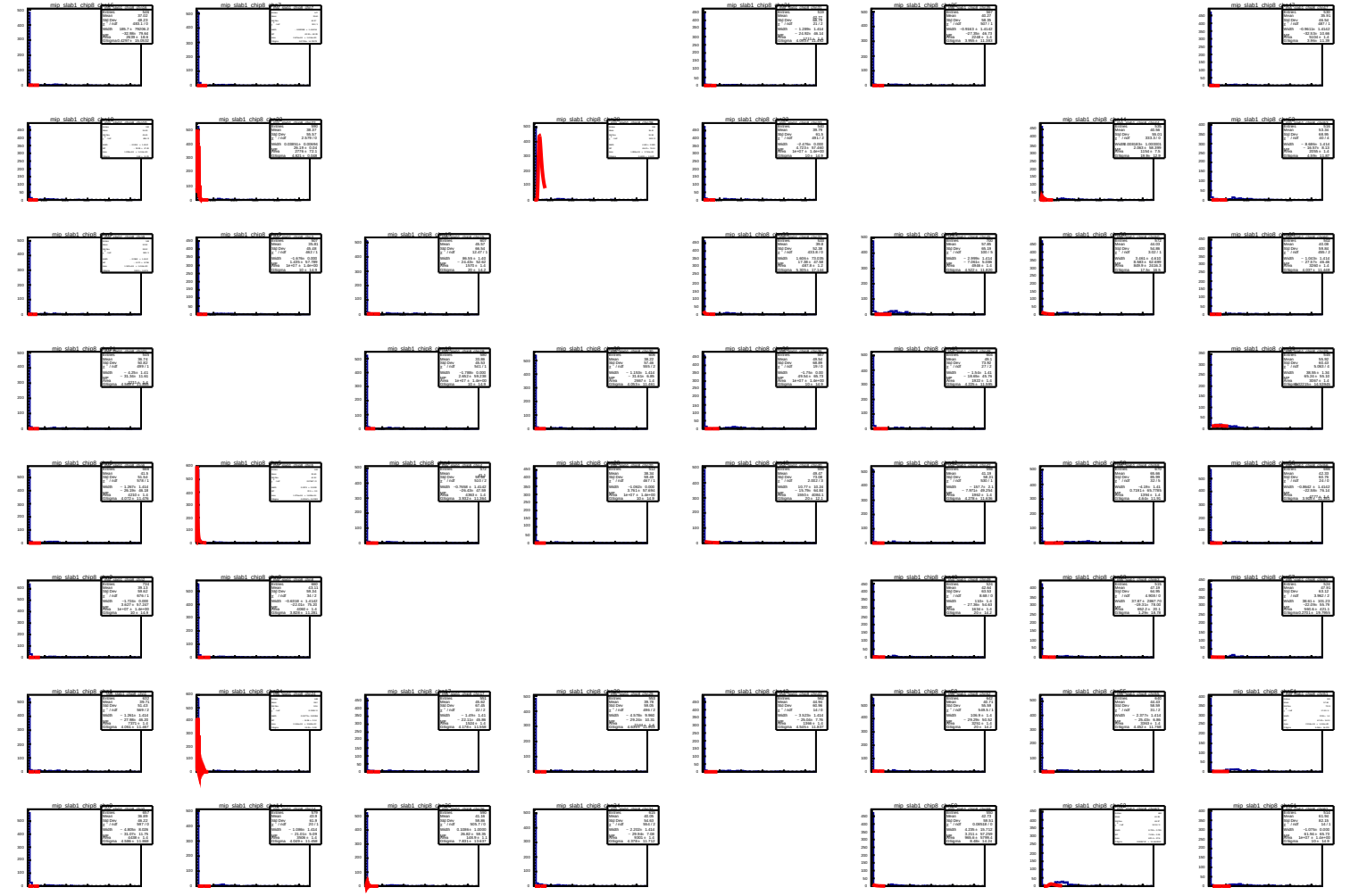

mip slab0 chip13 chan0
mip slab0 chip13 chan1
mip slab0 chip13 chan2
mip slab0 chip13 chan3
mip slab0 chip13 chan4
mip slab0 chip13 chan5
mip slab0 chip13 chan6
mip slab0 chip13 chan7
mip slab0 chip13 chan8
mip slab0 chip13 chan9
mip slab0 chip13 chan10
mip slab0 chip13 chan11
mip slab0 chip13 chan12
mip slab0 chip13 chan13
mip slab0 chip13 chan14
mip slab0 chip13 chan15

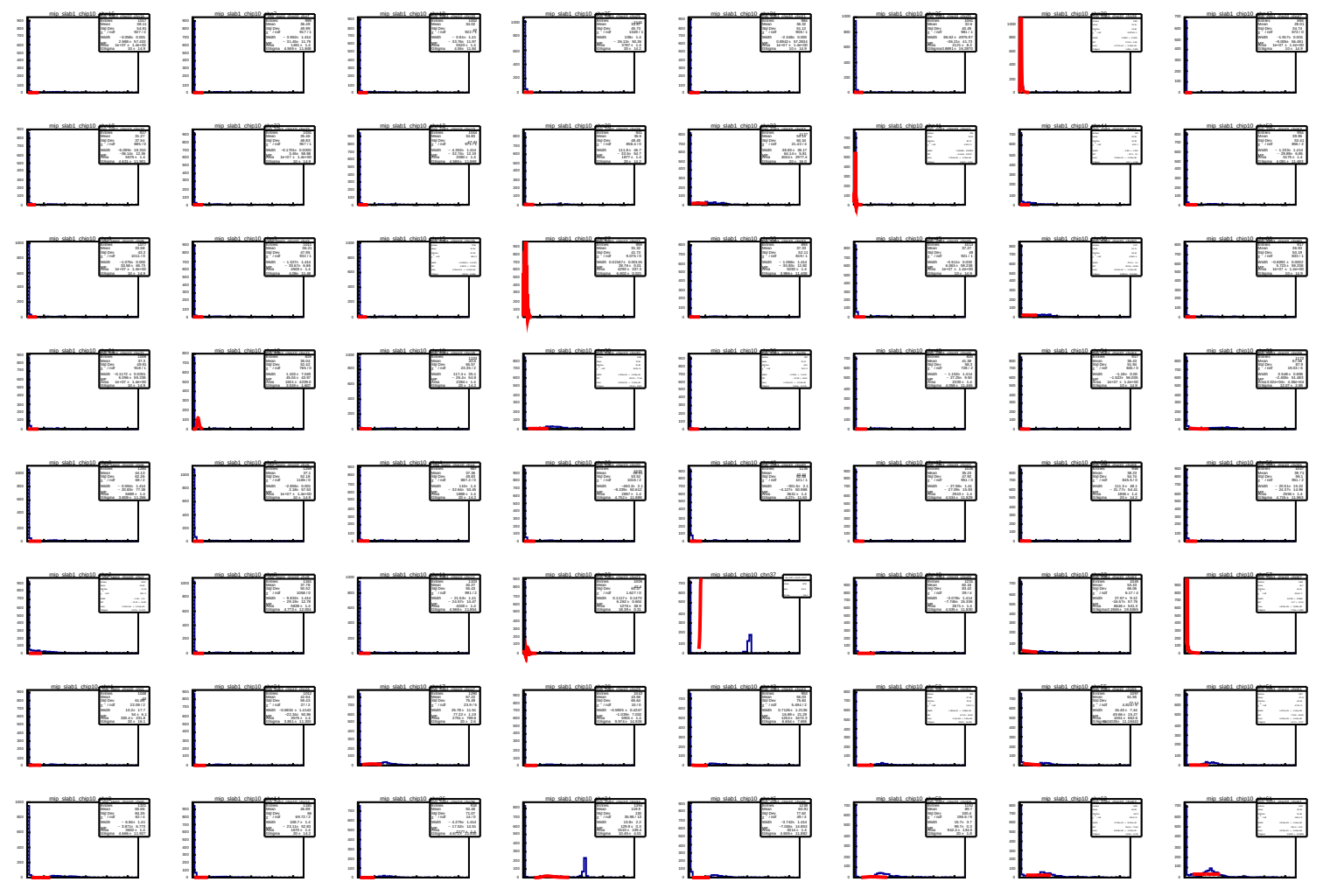

msp_slab1_chip1_chn16
Entries 1000
Mean 54.18
RMS 73.26
Underflow 0
Overflow 0
Integral 1000
Skewness 3.709
Kurtosis 13.857
Mean x 0.1012
RMS x 0.0968
Mean y 267.4
RMS y 3367.6
Constant 1000
Mean 54.18
Sigma 73.26

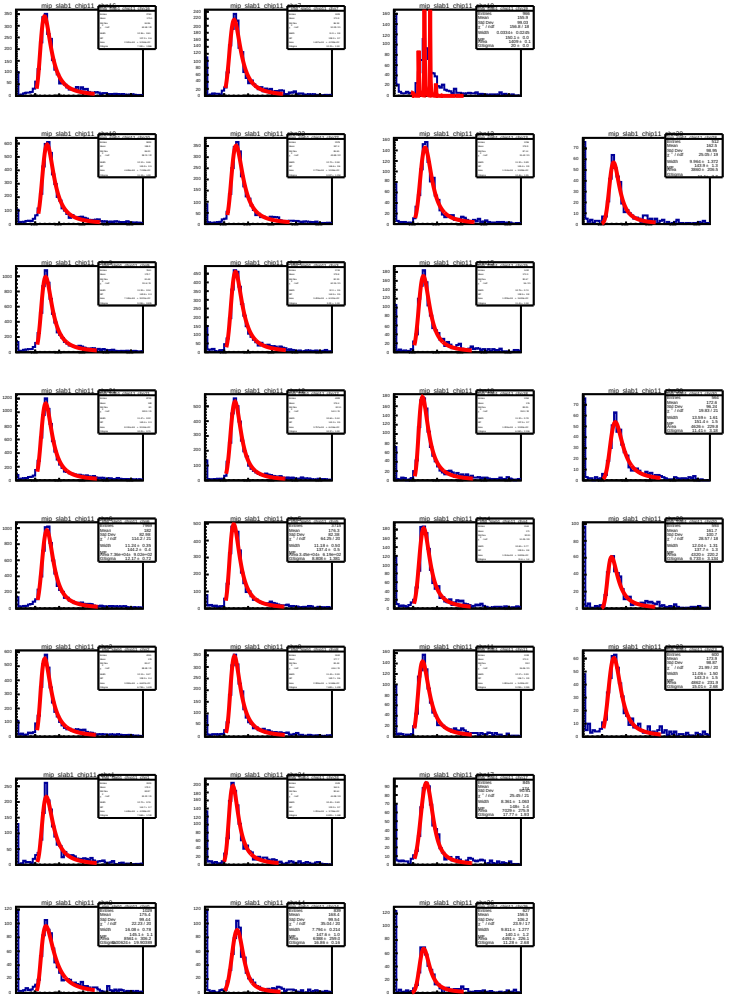

msp_slab1_chip1_chn17
Entries 1000
Mean 61.91
RMS 78.07
Underflow 0
Overflow 0
Integral 1000
Skewness 2.604
Kurtosis 10.261
Mean x 43.00
RMS x 78.07
Mean y 2024
RMS y 3139.1
Constant 1000
Mean 61.91
Sigma 78.07

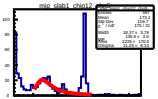

msp_slab1_chip1_chn18
Entries 1000
Mean 67.39
RMS 367.4
Underflow 0
Overflow 0
Integral 1000
Skewness -2.528
Kurtosis 5.693
Mean x 0.0203
RMS x 0.0197
Mean y 14+07
RMS y 2.8e+07
Constant 20.1
Mean 67.39
Sigma 367.4

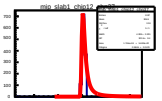

mip_slab1_chn3_cosmic
Entries 2254
Mean 50.8
Std Dev 10.2
Integral 1783.7
Mean 1(50.8±0.2)
Sigma 1(10.2±0.1)
Mpv
Chi2/ndf 22.2/14
1200
1000
800
600
400
200
0

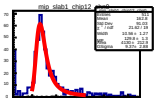


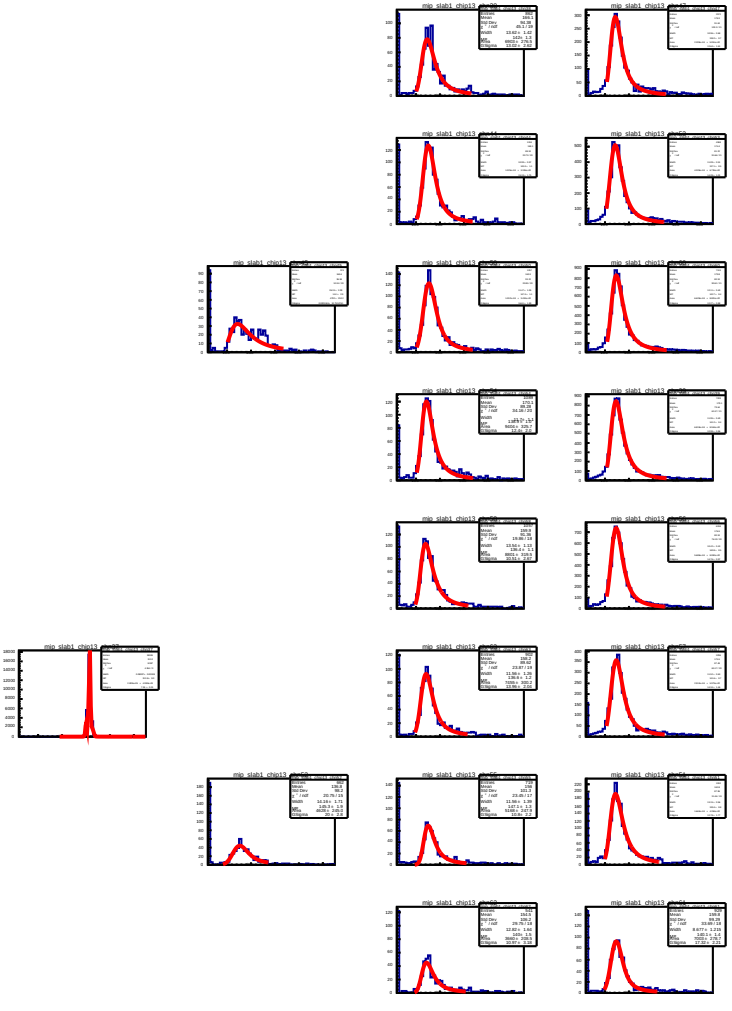


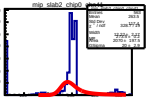


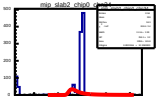

mip slab1 chip12 ch35
Entries 1512
Mean 1.017
Std Dev 1.077
χ² / ndf 170 / 26
Width 18.22 ± 3.75
Peak 1.000 ± 0.000
Area 2205 ± 1512
Sigma 11.01 ± 2.24

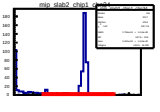

mip slab1 chip12 ch36

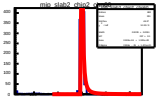

mip slab1 chip12 ch37
Entries 1594
Mean 19.12
Std Dev 10.02
χ² / ndf 21.67 / 19
Width 10.98 ± 1.27
Peak 1.000 ± 0.000
Area 4.180 ± 143.9
Sigma 9.31 ± 0.91

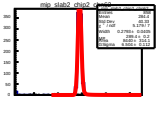


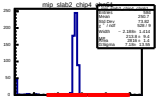

mip_stab2_chip0_chan3

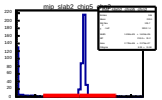

mip_stab2_chip0_chan3

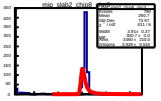

mip_slab2_chan1_cut3
Entries 1 Mean x 0.1 Mean y 0.1 RMS x 0.1 RMS y 0.1 Integral 1 Underflow 0 Overflow 0 Skewness x 0.0000 Skewness y 0.0000 Kurtosis x 0.0000 Kurtosis y 0.0000
250
200
150
100
50
0
0
10
20
30
40
50
60
70
80
90
100

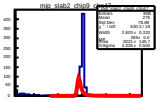

map_stab2_chip2_ch4.dat
Mean 2.7751 ± 0.0035
Sigma 0.2778 ± 0.0025
Area 4688 ± 141.1
Chi2/ndf 4.566 ± 0.218

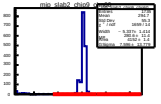

map_stab2_chip2_ch4.dat
Mean 2.7751 ± 0.0035
Sigma 0.2778 ± 0.0025
Area 4688 ± 141.1
Chi2/ndf 4.566 ± 0.218

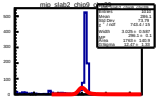

msp_stab2_chip4_ped2
Entries 2048
Mean 23.07
Mean(w) 23.07
χ² / ndf 528.6 / 6
Width 2.1836 ± 0.014
Sigma 1.5 ± 0.0
Mean 23.0 ± 0.0
Sigma 7.236 ± 0.0
300
250
200
150
100
50
0

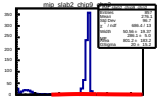

mip_slab2_chip5_strip2
220
200
180
160
140
120
100
80
60
40
20
0
Mean 1.000
Sigma 0.000
Entries 1000
Chi2 / ndf 0.000 / 0.000000
Prob 0.0000
Constant / Mean / Sigma
1.000000 / 1.000000 / 0.000000

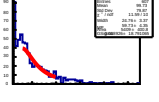

mag_stab2_chn08_ped
Entries 10000
Mean 292.7
Std Dev 23.74
Underflow 0
Overflow 0
Integral 9.970e+03
Skewness 0.6970 ± 0.0010
Kurtosis 0.6970 ± 0.0020
400
350
300
250
200
150
100
50
0

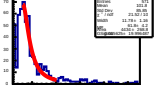

mip_slab2_chip0_chan0
Entries 1000
Mean 79.4
Std Dev 15.68
χ² / ndf 326.31 / 19
Width 2.663± 0.325
Mean 79.01 ± 0.06
Sigma 2.023 ± 0.051
Amplitude 4.555 ± 0.101

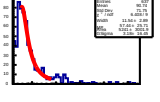

mip_slab2_chip0_chan1
Entries 1000
Mean 294.7
Std Dev 15.1
χ² / ndf 1009 / 17
Width -5.397± 1.412
Mean 292.6 ± 0.7
Sigma 2.000 ± 0.110
Amplitude 7.956 ± 0.175

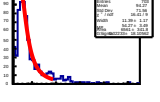

mip_slab2_chip0_chan2
Entries 1000
Mean 285.1
Std Dev 13.74
χ² / ndf 1174 / 17
Width 3.025± 0.587
286.2 ± 0.1
Sigma 1.793± 0.053
Amplitude 12.14 ±

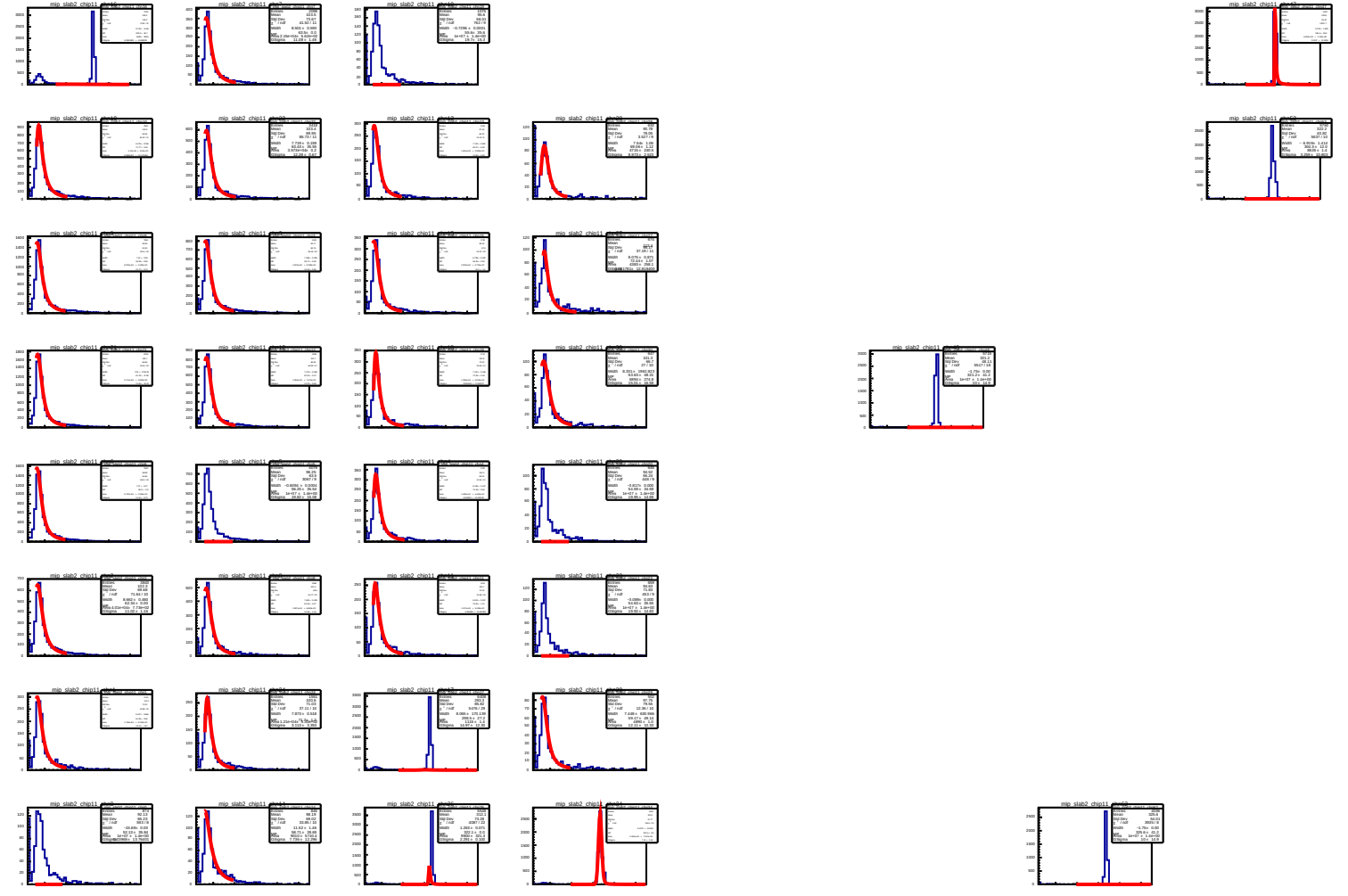

mip_slab2_chip0_chan3
Entries 1000
Mean 79.7
Std Dev 15.1
χ² / ndf 686.2 / 13
Width 52.56 ± 14.10
288.1 ± 9.0
Sigma 50.21 ± 9.02
Amplitude 151.2 ± 15.2

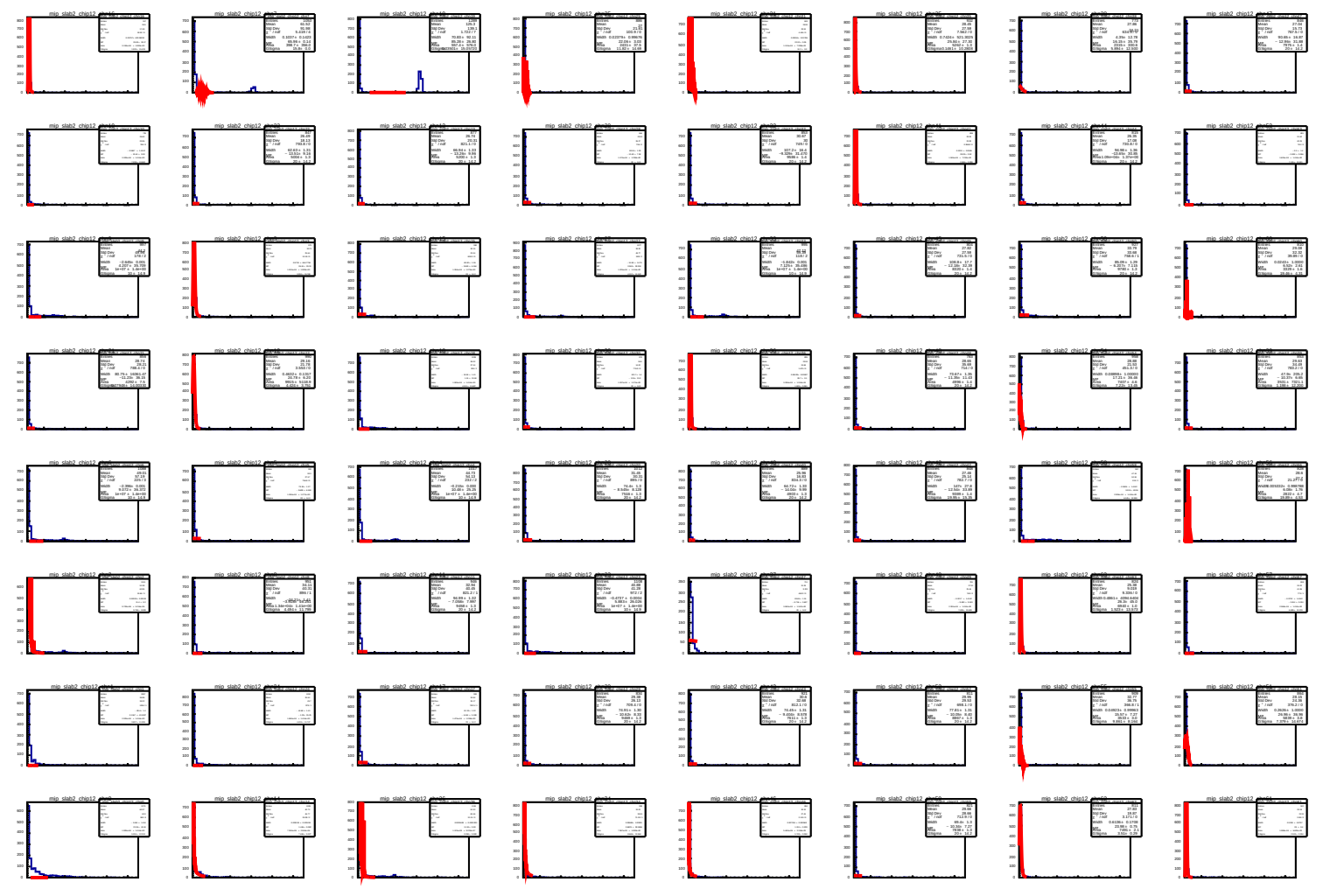

mip_slab2_chip10
Entries 1000
Mean 39.72
RMS 11.97
χ² / ndf 11.97 / 13
Width 20.79 ± 3.37
Mean 39.72 ± 0.38
Sigma 11.97 ± 0.27
Frequency 14.70 ± 0.45

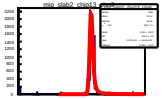
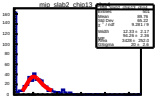
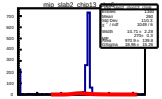
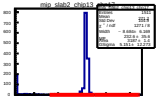
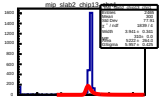
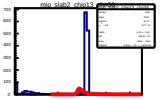
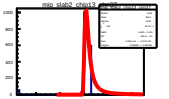
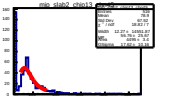
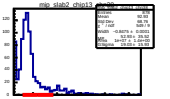
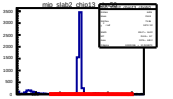
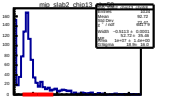
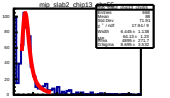
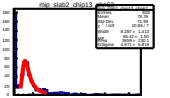
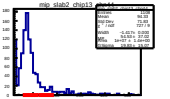
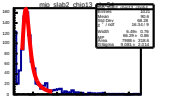
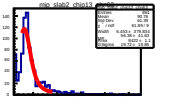

mip_slab2_chip10
Entries 1000
Mean 16.47
RMS 11.78
χ² / ndf 11.57 / 13
Width 11.78 ± 1.16
Mean 16.47 ± 0.37
Sigma 11.57 ± 0.26
Frequency 14.49 ± 0.45

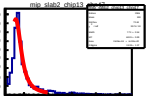
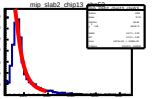
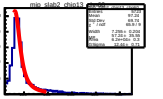
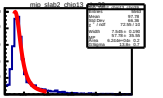
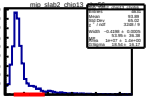
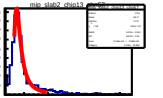
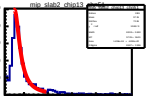
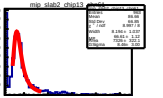

mip_slab2_chip10
Entries 1000
Mean 35.76
RMS 11.56
χ² / ndf 6.433 / 9
Width 11.56 ± 2.89
Mean 35.76 ± 0.37
Sigma 9.541 ± 0.29
Frequency 9.24 ± 0.24

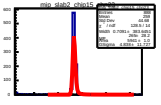

mip_slab2_chip10
Entries 1000
Mean 51.57
RMS 16.41
χ² / ndf 16.22 / 9
Width 11.89 ± 1.17
Mean 51.57 ± 0.51
Sigma 16.41 ± 0.41
Frequency 16.19 ± 0.40



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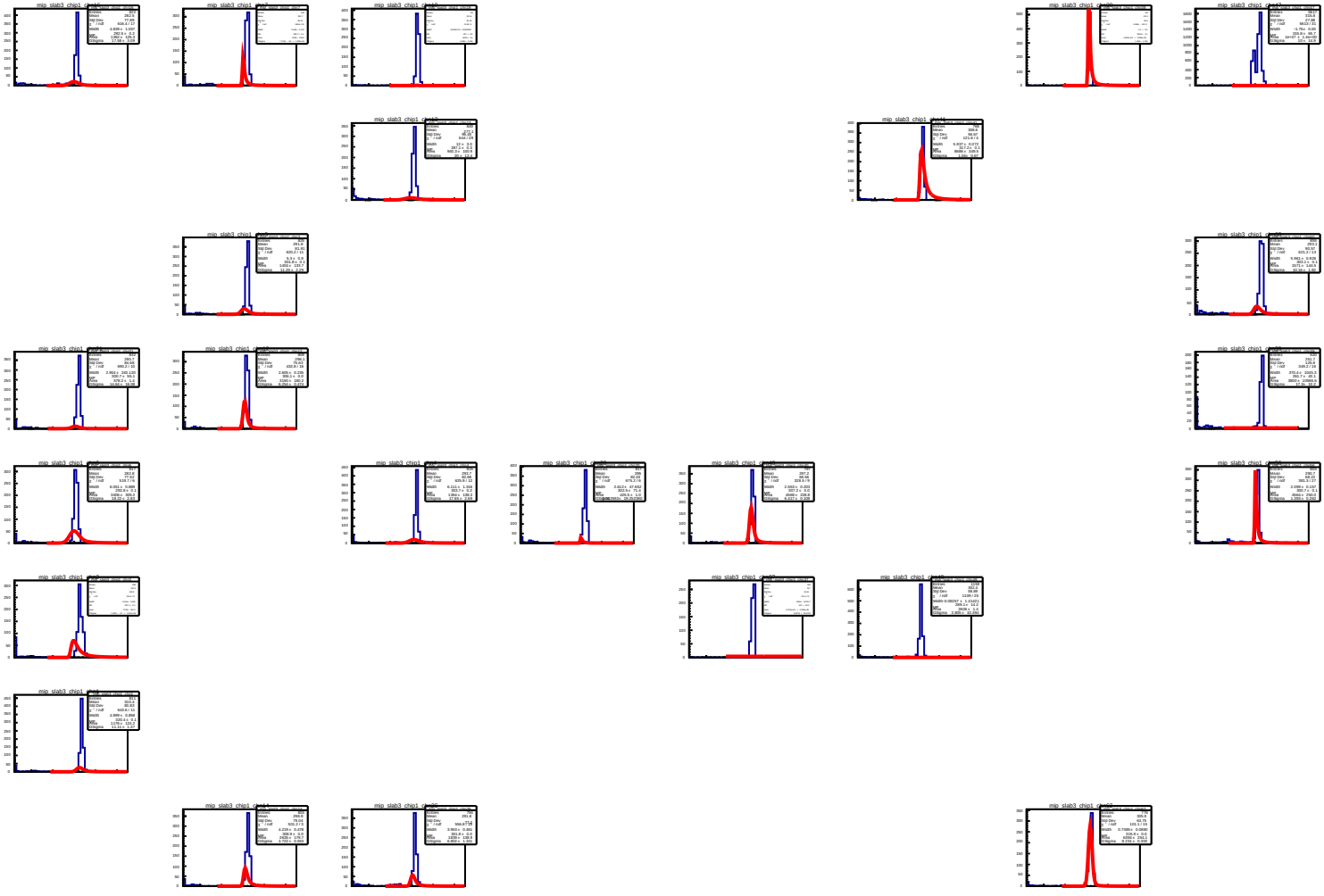
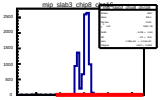
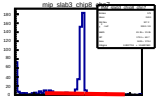
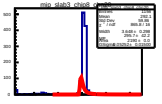
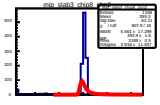
Mean 0.7201 ± 0.0101
Sigma 0.4003 ± 0.0071
Mean 20.2
Sigma 4.0003 ± 0.007
1000
800
600
400
200
0

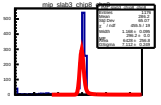


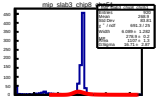

mip_slab3_chip8_chan5
Entries 1 Entries
Mean 1 Mean
Std Dev 0 Std Dev
χ² / ndf 0.000 / 0 χ² / ndf
Width 0.000 ± 0.000 Width
MPV 1.000 ± 0.000 MPV
Integral 1.000 ± 0.000 Integral

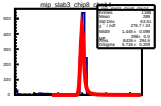

mip_slab3_chip8_chan5
Entries 1 Entries
Mean 1 Mean
Std Dev 0 Std Dev
χ² / ndf 0.000 / 0 χ² / ndf
Width 0.000 ± 0.000 Width
MPV 1.000 ± 0.000 MPV
Integral 1.000 ± 0.000 Integral

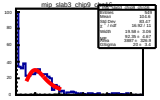

mip_slab3_chip8_chan5
Entries 1 Entries
Mean 1 Mean
Std Dev 0 Std Dev
χ² / ndf 0.000 / 0 χ² / ndf
Width 3.000 ± 0.000 Width
MPV 2.000 ± 0.000 MPV
Integral 2.000 ± 0.000 Integral

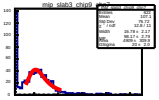

mip_slab3_chip8_chan5
Entries 1 Entries
Mean 1 Mean
Std Dev 0 Std Dev
χ² / ndf 807.8 / 16 χ² / ndf
Width 9.561 ± 17.299 Width
MPV 259.6 ± 1.6 MPV
Integral 1.000 ± 0.000 Integral
Sigma 9.000 ± 11.557 Sigma

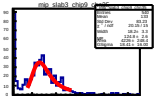

mip_slab3_chip8_chan5
Entries 1 Entries
Mean 1 Mean
Std Dev 0 Std Dev
χ² / ndf 499.5 / 16 χ² / ndf
Width 1.180 ± 0.000 Width
MPV 286.2 ± 0.4 MPV
Integral 1.000 ± 0.000 Integral
Sigma 7.027 ± 0.000 Sigma

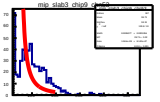

mip_slab3_chip8_chan5
Entries 1 Entries
Mean 1 Mean
Std Dev 0 Std Dev
χ² / ndf 0.000 / 0 χ² / ndf
Width 0.000 ± 0.000 Width
MPV 259.6 ± 0.4 MPV
Integral 1.000 ± 0.000 Integral
Sigma 0.000 ± 0.000 Sigma

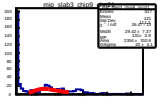

mip_slab3_chip8_chan5
Entries 1 Entries
Mean 1 Mean
Std Dev 0 Std Dev
χ² / ndf 276.7 / 15 χ² / ndf
Width 1.485 ± 0.000 Width
MPV 9.027 ± 26.1 MPV
Integral 1.000 ± 0.000 Integral
Sigma 6.750 ± 0.000 Sigma

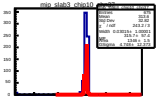

mip_slab3_chip9_chan5
Entries 1000
Mean 19.12
Std Dev 10.47
χ² / ndf 16.92 / 11
Width 19.58 ± 3.09
Area 1000.0 ± 0.0
MPV 15.07 ± 0.9
Sigma 2.5 ± 2.1

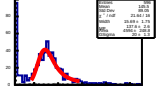

mip_slab3_chip9_chan6
Entries 1000
Mean 19.7
Std Dev 7.2
χ² / ndf 12.8 / 11
Width 16.79 ± 2.2
Area 1000.0 ± 0.0
MPV 15.61 ± 0.6
Sigma 2.1 ± 1.1

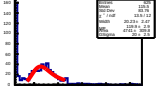

mip_slab3_chip9_chan7
Entries 1000
Mean 15.6
Std Dev 10.11
χ² / ndf 10.15 / 11
Width 18.3 ± 3.3
Area 1000.0 ± 0.0
MPV 12.61 ± 0.8
Sigma 2.4 ± 1.1

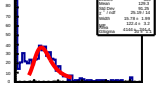

mip_slab3_chip9_chan8
Entries 1000
Mean 12.4
Std Dev 9.1
χ² / ndf 10.17 / 11
Width 14.6 ± 2.9
Area 1000.0 ± 0.0
MPV 10.9 ± 0.7
Sigma 1.9 ± 1.1

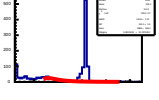

mip_slab3_chip9_chan9
Entries 1000
Mean 32.7
Std Dev 21.12
χ² / ndf 26.18 / 11
Width 29.16 ± 7.23
Area 1000.0 ± 0.0
MPV 23.61 ± 0.9
Sigma 3.9 ± 1.1

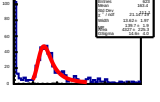

mip_slab3_chip10_chan32
Entries 1024
Mean 32.0
Std Dev 0.0
χ² / ndf 243.2 / 3
Width 0.0192±0.0001
Mean 31.9 ± 0.0
Sigma 0.0001 ± 0.0
Integral 1.0000 ± 0.0

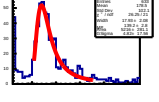

mip_slab3_chip10_chan33
Entries 1024
Mean 19.0
Std Dev 89.09
χ² / ndf 21.6 / 6
Width 19.83 ± 1.79
Mean 137.4 ± 2.6
Sigma 1000.0 ± 0.0
Integral 26.0 ± 0.0

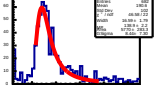

mip_slab3_chip10_chan34
Entries 1024
Mean 19.0
Std Dev 86.76
χ² / ndf 31.2 / 6
Width 20.23 ± 2.17
Mean 118.9 ± 2.6
Sigma 472.0 ± 0.0
Integral 26.0 ± 0.0

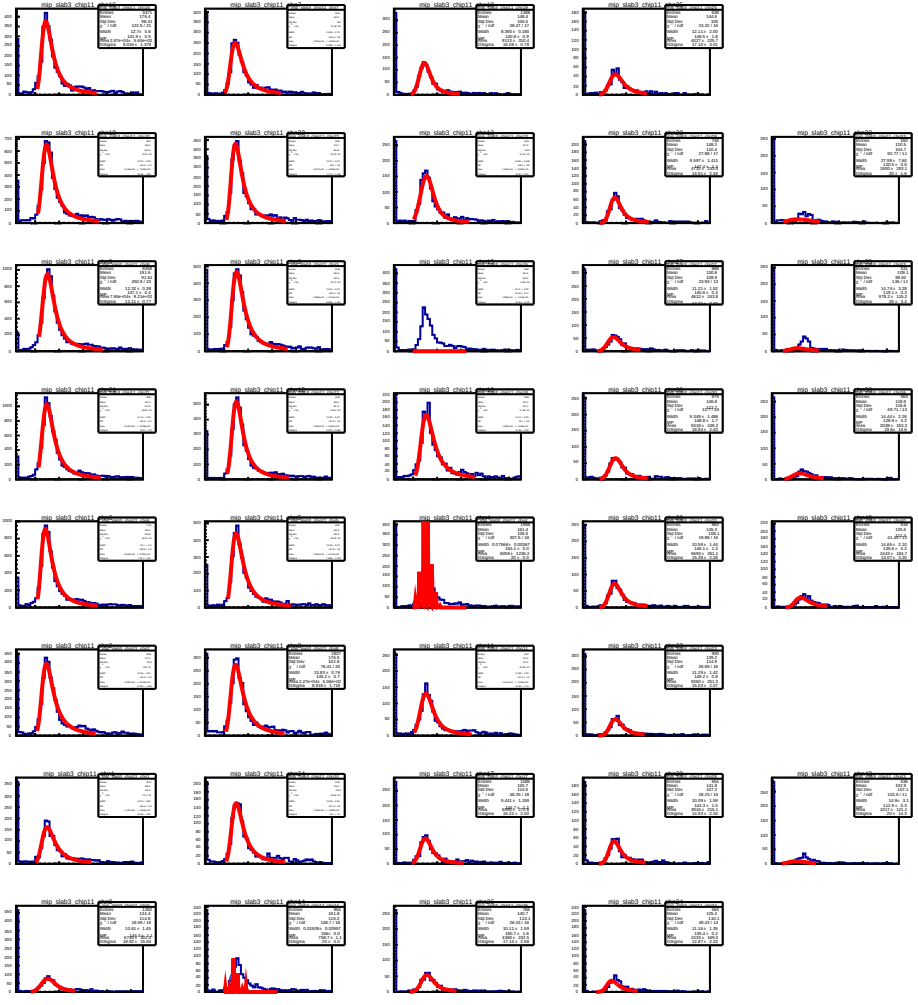

mip_slab3_chip10_chan35
Entries 1024
Mean 19.0
Std Dev 25.33 / 13
χ² / ndf 25.33 / 13
Width 19.78 ± 1.99
Mean 1101.4 ± 0.4
Sigma 0.0 ± 0.0

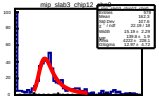

mip_slab3_chip10_chan36
Entries 1024
Mean 19.0
Std Dev 0.0
χ² / ndf 0.0 / 0
Width 0.0000 ± 0.0000
Mean 19.0 ± 0.0
Sigma 0.0000 ± 0.0
Integral 1.0000 ± 0.0

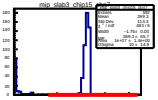

mip_slab3_chip10_chan37
Entries 1024
Mean 19.0
Std Dev 21.12 / 12
χ² / ndf 21.12 / 12
Width 33.83 ± 1.97
Mean 1.0 ± 0.0
Sigma 4327.7 ± 0.0
Integral 26.0 ± 0.0

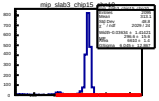

mip_slab3_chip10_chan38
Entries 1024
Mean 19.0
Std Dev 25.33 / 13
χ² / ndf 26.26 / 13
Width 37.65 ± 2.06
Mean 1.0 ± 0.0
Sigma 5230.4 ± 0.0
Integral 0.0 ± 0.0

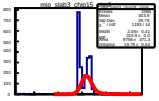

mip_slab3_chip10_chan39
Entries 1024
Mean 19.0
Std Dev 0.0
χ² / ndf 49.08 / 12
Width 34.99 ± 1.79
Mean 1.0 ± 0.0
Sigma 5770.7 ± 0.0
Integral 0.0 ± 0.0

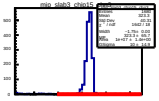


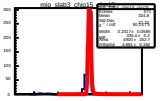

msp_slab3_chip12_adc
Entries 1796
Mean 182.2
RMS 22.57
χ² / ndf 22.187 / 18
Width 15.18 ± 2.29
Area 1796 ± 42.4
MPV 182.0 ± 106.1
Sigma 12.97 ± 0.72
100
80
60
40
20
0

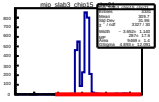

mip slab3 chip15
Mean 2612
Std Dev 1317.6
N / ndf 2837.6
Width -1.79e- 0.02
Area 2612.e+ 0.0
Mean 14+07 ± 1.4e+05
Integral 2612.e+ 0.0

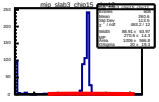

mip slab3 chip15
Mean 2026
Std Dev 313.1
N / ndf 2109.7 / 18
Width -0.03616 ± 1.14121
Area 2026.e+ 0.0
Mean 3663.e+ 0.0
Integral 6.e+04 ± 1.2e+03

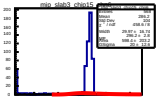

mip slab3 chip15
Mean 3018.8
Std Dev 1.1
N / ndf 1107.7 / 14
Width 2.03e- 0.01
Area 3018.8e+ 0.0
Mean 14+07 ± 1.4e+05
Integral 19.7e+ 0.0

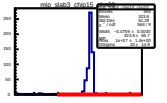

mip slab3 chip15
Mean 3012.9
Std Dev 1.1
N / ndf 1042.7 / 14
Width -1.79e- 0.01
Area 3012.9e+ 0.0
Mean 14+07 ± 1.4e+05
Integral 21.1e+ 0.0

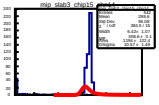

mip slab3 chip15
Mean 3018.8
Std Dev 1.1
N / ndf 1107.7 / 14
Width 0.2417e- 0.0388
Area 3018.8e+ 0.0
Mean 14+07 ± 1.4e+05
Integral 1.8e+ 0.0

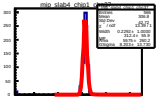

mip slab3 chip15
Mean 3019.7
Std Dev 23.98
N / ndf 2.3e+ 0.0
Width -0.9025e- 0.0
Area 3274.1/8
Mean 9.e+ 0.0
Integral 6.2e+ 0.0

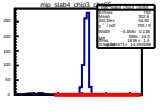

mip slab3 chip15
Mean 2919.9
Std Dev 13.74
N / ndf 1.1e+ 0.0
Width 88.93e- 0.47
Area 2919.9 / 8.4
Mean 150e.e+ 0e0.0
Integral 2.1e+ 0.0

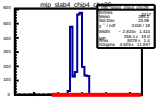

mip slab3 chip15
Mean 3017.7
Std Dev 7.0
N / ndf 458.6 / 6
Width 29.87 ± 19.73
Area 3017.7 / 6
Mean 168.2 ± 3012.2
Integral 2.1 ± 2.1

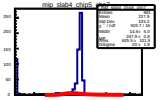

mip slab3 chip15
Mean 2919.9
Std Dev 13.74
N / ndf 5667.9
Width -0.0769 ± 0.0970
Area 2919.9 / 8.4
Mean 14+07 ± 1.4e+05
Integral 2.1 ± 2.1

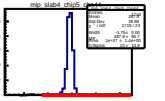

mip slab3 chip15
Mean 2612
Std Dev 1.1
N / ndf 366.5 / 15
Width 0.43± 1.07
Area 2612.e+ 0.0
Mean 1.0e+ 0.0 ±
Integral 10.5e+ 0.0

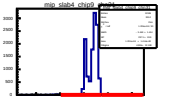

mip_slabd_chip1_ch10
Entries 1000
Mean 0.2261 ± 0.0030
Std Dev 0.0947 ± 0.0021
Underflow 0 (0.0%)
Overflow 0 (0.0%)
300
250
200
150
100
50
0

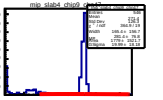

mip slab4 chip3 ch66
Entries 2000
Mean 52.2
Std Dev 56.92
χ² / ndf
p0 2000 ± 0.000
Mean 52.2 ± 0.0
Sigma 1.9 ± 0.0
Integral 1.000 ± 0.000
250
200
150
100
50
0

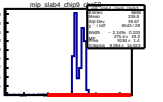

mip slab4 cpb4 ptm20
Entries 2000
Mean 2.07
Std Dev 23.18
χ / ndf 1.08 / 1
p0 2.000e+ 0.000
p1 256.0 ± 20.6
p2 -0.0000 ± 0.007
p3 4.0000 ± 0.007
600
500
400
300
200
100
0

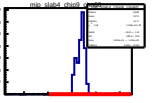

mip slab4 chip5 chan5
Entries 2175
Mean 1577.6
Std Dev 1571.6
χ² / ndf 5015.7 / 14
Width 14.84 ± 0.16
Area 2175 ± 12.5
MPV 625.5 ± 10.5
Sigma 20.1 ± 0.1

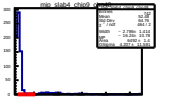

mip slab4 chip5 chan6
Entries 1877
Mean 1710.1
Std Dev 1720.13
χ² / ndf 1720.13
Width 0.750 ± 0.02
Area 1877 ± 13.7
MPV 14×10⁶ ± 1.2×10⁶
Sigma 1.0 ± 0.1

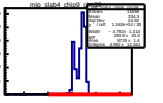

mip_slab4_chip9_chan24

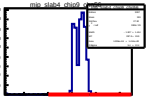

mip_slab4_chip9_chan5

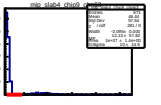

mip_slab4_chip9_chan6

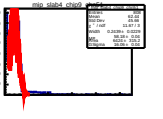

mip_slab4_chip9_chan7

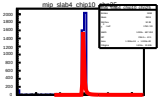

mip_slab4_chip9_chan8

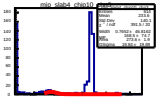

mip_slab4_chip9_chan9

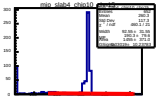

mip_slab4_chip9_chan10

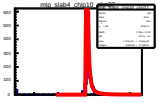

mip_slab4_chip9_chan15

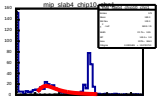

mip_slab4_chip9_chan16

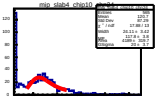

mip_slab4_chip10_strip56
Entries 2000
Mean 213.9
Std Dev 19.72
χ² / ndf 391.4 / 77
Width 0.76052 ± 69.6142
MPV 1003.4 ± 7.1
Area 1.0000 ± 1.0
Integral 19.9014 ± 1.00

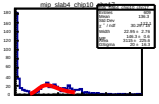

mip_slab4_chip10_strip55
Entries 2000
Mean 280.2
Std Dev 19.79
χ² / ndf 490.7 / 81
Width 92.59 ± 31.36
MPV 2001.4 ± 79.8
Area 1.0000 ± 1.0
Integral 20.0000 ± 1.00

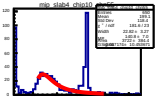

mip_slab4_chip10_strip54
Entries 2000
Mean 286.7
Std Dev 19.77
χ² / ndf 1212 / 77
Width 30.2218 ± 0.7
MPV 3.85.9 ± 0.6
Area 1.0000 ± 1.0
Integral 19.9014 ± 1.00

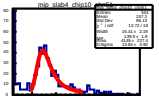

mip_slab4_chip10_strip57
Entries 2000
Mean 1.0
Std Dev 1.0
χ² / ndf 1.0 / 1
Width 1.0 ± 1.0
MPV 1.0 ± 1.0
Area 1.0000 ± 1.0
Integral 1.0000 ± 1.00

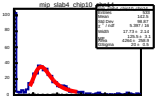

mip_slab4_chip10_strip1
Entries 2000
Mean 1.0
Std Dev 1.0
χ² / ndf 1.0 / 1
Width 1.0 ± 1.0
MPV 1.0 ± 1.0
Area 1.0000 ± 1.0
Integral 1.0000 ± 1.00

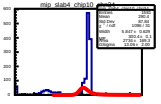

mip_slab4_chip10_strip2
Entries 2000
Mean 1.0
Std Dev 97.19
χ² / ndf 1.0 / 1
Width 33.11 ± 3.13
MPV 117.8 ± 2.6
Area 0.0000 ± 0.0
Integral 19.9014 ± 1.00

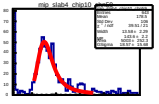

mip_slab4_chip10_strip3
Entries 2000
Mean 1.0
Std Dev 30.2218
χ² / ndf 1.0 / 1
Width 33.99 ± 3.79
MPV 3.85.9 ± 0.6
Area 1.0000 ± 1.0
Integral 19.9014 ± 1.00

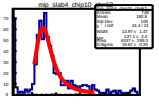

mip_slab4_chip10_strip52
Entries 2000
Mean 1.0
Std Dev 1.0
χ² / ndf 1.0 / 1
Width 1.0 ± 1.0
MPV 1.0 ± 1.0
Area 1.0000 ± 1.0
Integral 1.0000 ± 1.00

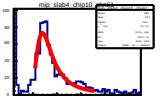

mip_slab4_chip10_strip53
Entries 2000
Mean 1.0
Std Dev 1.0
χ² / ndf 1.0 / 1
Width 1.0 ± 1.0
MPV 1.0 ± 1.0
Area 1.0000 ± 1.0
Integral 1.0000 ± 1.00

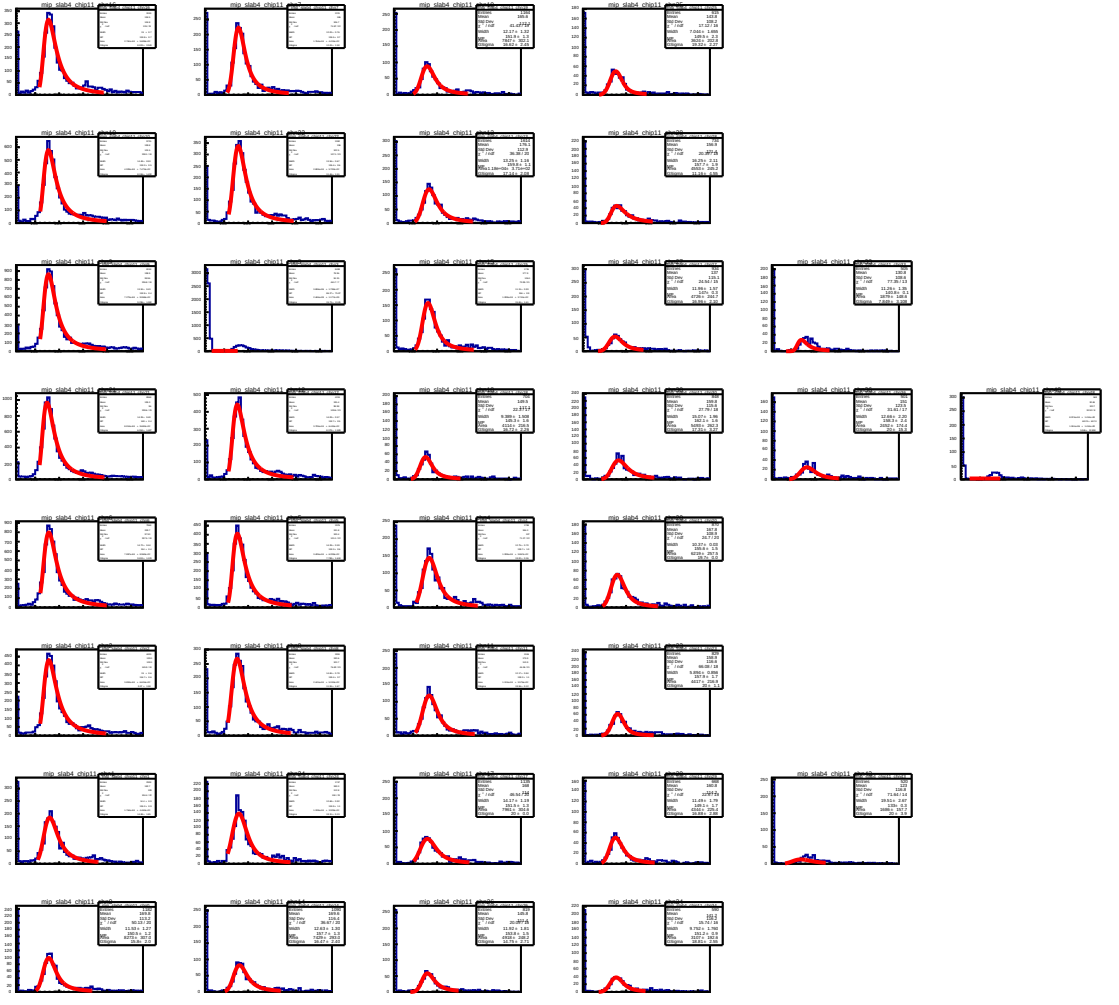

mip_slab4_chip10_strip4
Entries 2000
Mean 1.0
Std Dev 1.0
χ² / ndf 1.0 / 1
Width 17.73 ± 2.13
MPV 1.0 ± 1.0
Area 0.0000 ± 0.0
Integral 19.9014 ± 1.00

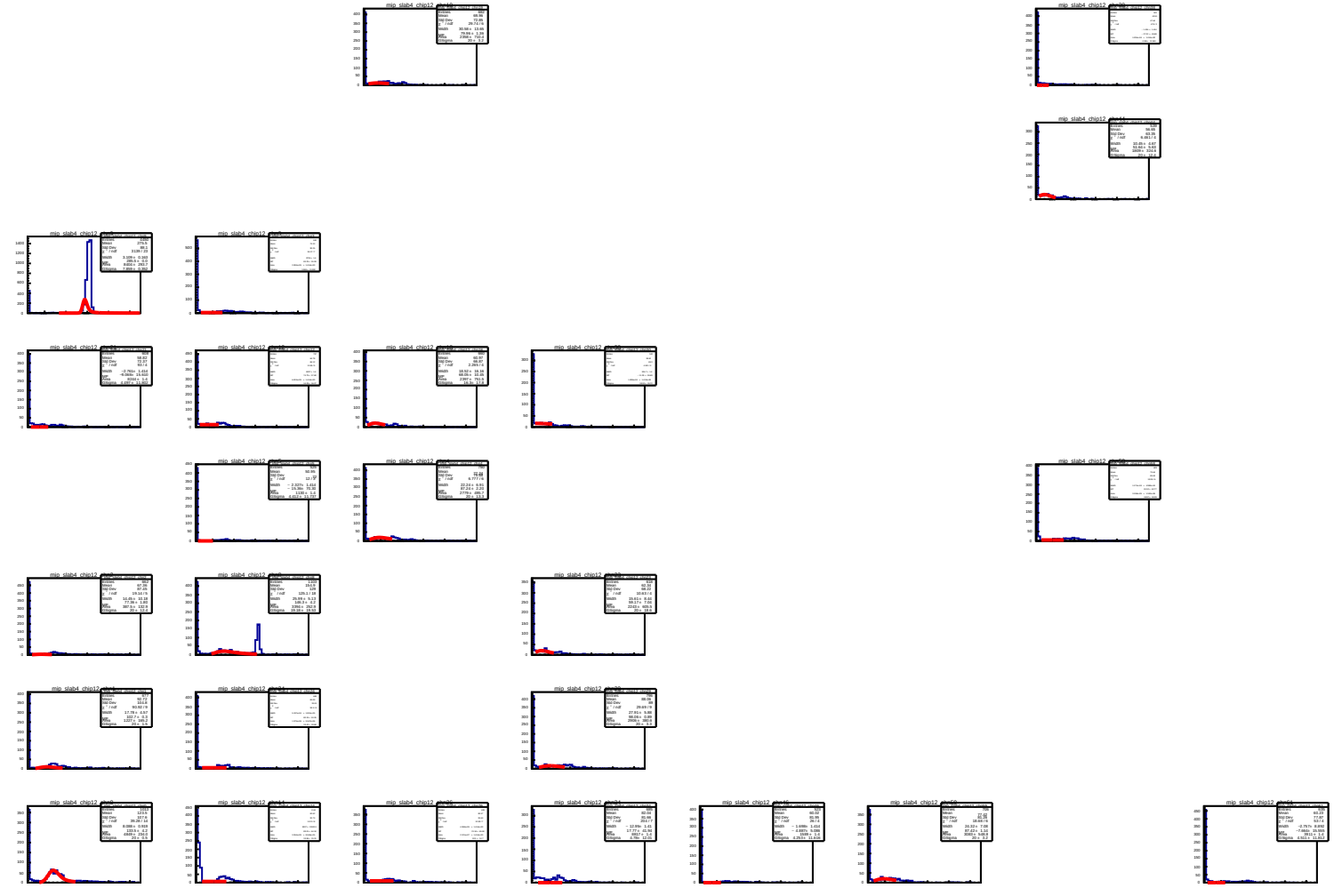
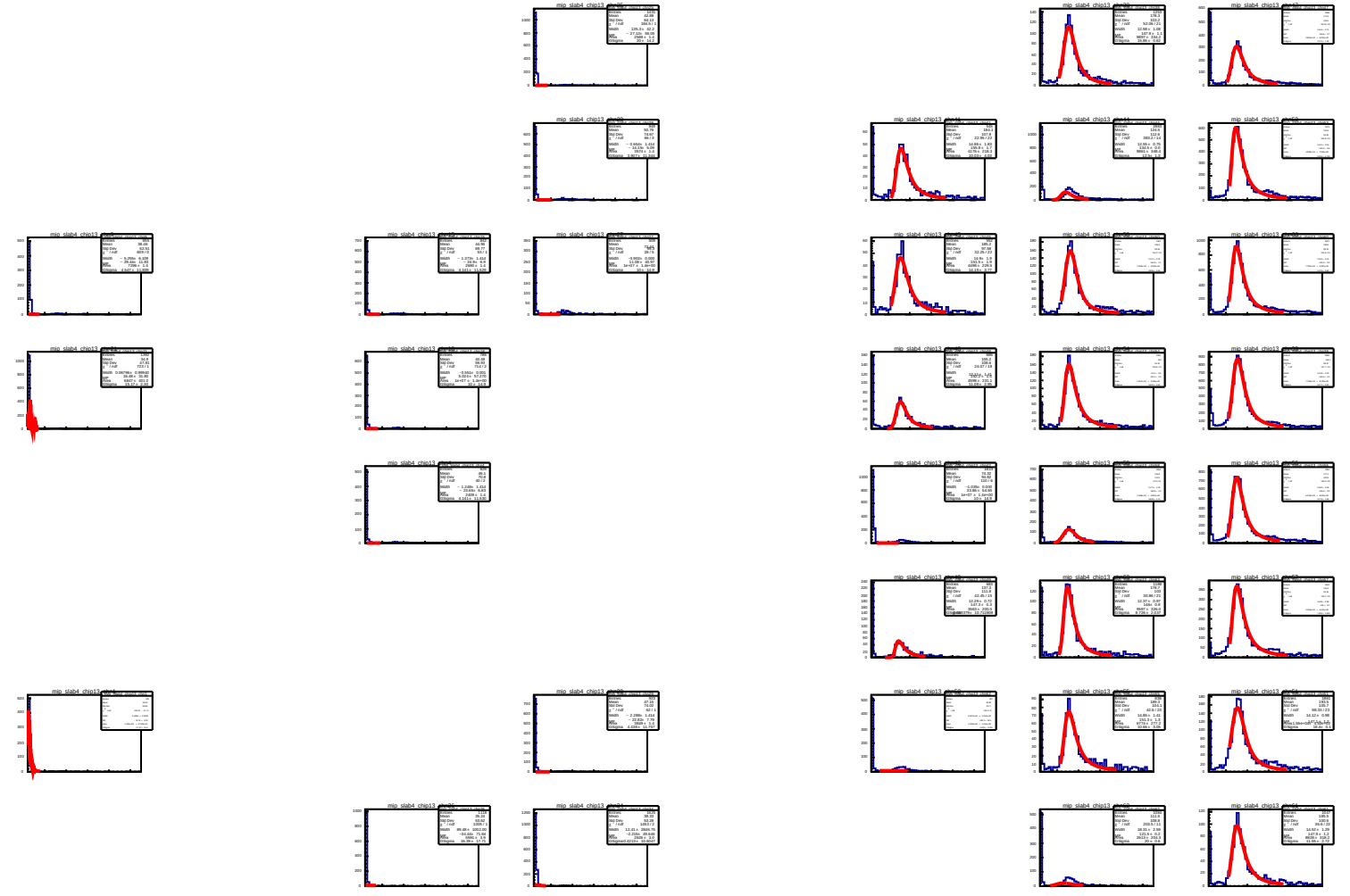

mip_slab4_chip10_strip5
Entries 2000
Mean 1.0
Std Dev 1.0
χ² / ndf 1.0 / 1
Width 5.847 ± 0.609
MPV 1.0 ± 1.0
Area 0.0000 ± 0.0
Integral 19.9014 ± 1.00


mip_slab4_chip10_strip50
Entries 2000
Mean 1.0
Std Dev 39.91
χ² / ndf 1.0 / 1
Width 13.59 ± 2.29
MPV 1.0 ± 1.0
Area 0.0000 ± 0.0
Integral 19.9014 ± 1.00


mip_slab4_chip10_strip51
Entries 2000
Mean 1.0
Std Dev 41.17
χ² / ndf 1.0 / 1
Width 13.97 ± 1.47
MPV 1.0 ± 1.0
Area 0.0000 ± 0.0
Integral 19.9014 ± 1.00


mip_slab4_chip10_strip49
Entries 2000
Mean 1.0
Std Dev 1.0
χ² / ndf 1.0 / 1
Width 1.0 ± 1.0
MPV 1.0 ± 1.0
Area 1.0000 ± 1.0
Integral 1.0000 ± 1.00




mip slab4 chip12
mip slab4 chip12
mip slab4 chip12