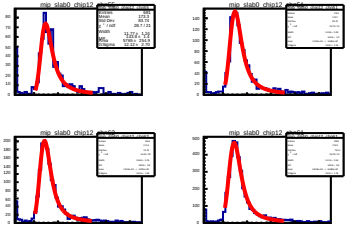
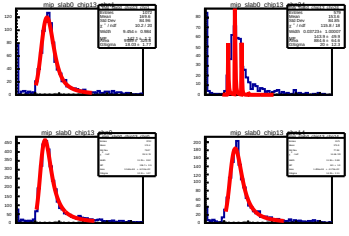
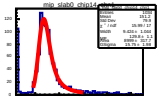
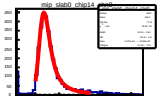
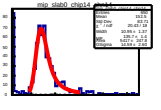
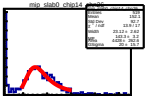

mip_slab0_chip12_chan55
Entries 7000
Mean 33.12
Std Dev 10.72
χ² / ndf 29.7 / 23
p0 19.22 ± 1.23
p1 33.04 ± 0.04
p2 10.64 ± 0.04
mip_slab0_chip12_chan56
Entries 7000
Mean 40.7
Std Dev 9.41
χ² / ndf 108.6 / 23
p0 116.6 ± 1.8
p1 40.71 ± 0.03
p2 9.41 ± 0.03
mip_slab0_chip12_chan57
Entries 7000
Mean 37.6
Std Dev 9.74
χ² / ndf 108.6 / 23
p0 116.6 ± 1.8
p1 37.61 ± 0.03
p2 9.74 ± 0.03
mip_slab0_chip12_chan58
Entries 7000
Mean 37.6
Std Dev 9.74
χ² / ndf 108.6 / 23
p0 116.6 ± 1.8
p1 37.61 ± 0.03
p2 9.74 ± 0.03

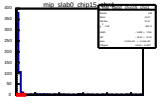

mip_slab0_chip13_chn1
Entries 1000
Mean 10.14
Std Dev 16.06
χ² / ndf 1024 / 1
Prob 0
Mean 9.354 ± 0.494
Sigma 2.127 ± 0.4
Integral 18.93 ± 1.17
mip_slab0_chip13_chn14
Entries 1000
Mean 10.14
Std Dev 16.06
χ² / ndf 0
Prob 0.0
Mean 3.013 ± 0.0
Sigma 0.0
Integral 0.0 ± 0.0
mip_slab0_chip13_chn2
Entries 1000
Mean 10.14
Std Dev 16.06
χ² / ndf 0
Prob 0.0
Mean 10.14 ± 0.0
Sigma 0.0
Integral 1000.0 ± 0.0
mip_slab0_chip13_chn15
Entries 1000
Mean 10.14
Std Dev 16.06
χ² / ndf 0
Prob 0.0
Mean 10.14 ± 0.0
Sigma 0.0
Integral 1000.0 ± 0.0

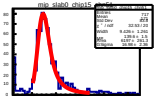

mip_slab0_chip14_chn1
Entries 2000
Mean 79.12
Std Dev 79.0
χ² / ndf 15.95 / 7
Constant 9.251 ± 1.050
MPV 126.6 ± 3.1
Width 19.75 ± 1.0
Sigma 19.75 ± 1.0

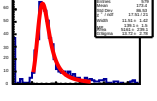

mip_slab0_chip14_chn2
Entries 2000
Mean 79.12
Std Dev 79.0
χ² / ndf 15.95 / 7
Constant 9.251 ± 1.050
MPV 126.6 ± 3.1
Width 19.75 ± 1.0
Sigma 19.75 ± 1.0

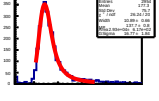

mip_slab0_chip14_chn3
Entries 2000
Mean 102.1
Std Dev 79.0
χ² / ndf 20.07 / 10
Constant 10.95 ± 1.17
MPV 137.6 ± 3.0
Width 9.027 ± 0.8
Sigma 14.58 ± 1.0

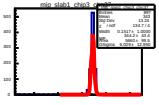

mip_slab0_chip14_chn4
Entries 2000
Mean 102.1
Std Dev 79.0
χ² / ndf 13.9 / 17
Constant 23.12 ± 2.62
MPV 137.6 ± 3.0
Width 9.027 ± 0.8
Sigma 20 ± 0.8

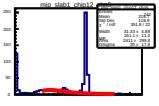

mip_slab0_chip15_chn1
Entries 1000
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0
Prob 0.0
Constant 1000.0 ± 0.0
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0

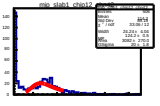

mip_slab0_chip15_chn56
Entries 2123
Mean 33.93
Std Dev 10.93
χ² / ndf 2.46
Prob 0.0
Constant 9.108e+ 1.24e
Mean 139.6 ± 3.5
Sigma 10.93 ± 0.15

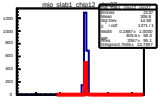

mip_slab0_chip15_chn60
Entries 2124
Mean 39.04
Std Dev 17.63
χ² / ndf 13.61 / 15
Prob 0.5
Constant 11.91 ± 1.42
Mean 39.04 ± 0.04
Sigma 15.61 ± 2.61
Sigma 15.72 ± 0.0

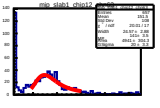

mip_slab0_chip15_chn64
Entries 2124
Mean 27.7
Std Dev 26.24
χ² / ndf 10.89 / 6.46
Prob 0.0
Constant 6.15e+03 ± 6.15e+02
Mean 26.77 ± 1.0

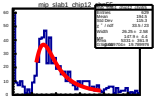

mip_slab1_chip3_ch10
Entries 1000
Mean 0.2
Rms 0.4
Int Cont 1527.14
Peak 0.3627± 0.3000
Sigma 0.0254± 0.0140
Mean 0.3000± 0.0000
Sigma 0.0000± 0.0000
500
400
300
200
100
0

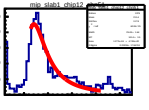

mip slab1 chip12 chan52
Mean 2145
Std Dev 1047
χ² / ndf 264.8 / 22
Width 31.61 ± 0.65
Peak 2145 ± 3.4
Area 2611 ± 39.4
Sigma 47.4 ± 0.8

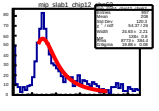

mip slab1 chip12 chan53
Mean 1654
Std Dev 1018
χ² / ndf 33.05 / 12
Width 33.61 ± 0.91
Peak 1654 ± 3.4
Area 3066 ± 57.3
Sigma 47.5 ± 1.3

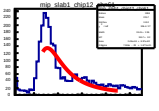

mip slab1 chip12 chan54
Mean 1014
Std Dev 1000
χ² / ndf 1371 / 6
Width 0.2887 ± 1.0000
Peak 309.6 ± 98.8
Area 1.000 ± 0.000
Sigma(peak height) 31.7387

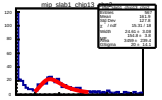

mip slab1 chip12 chan55
Mean 1314
Std Dev 1000
χ² / ndf 20.03 / 17
Width 23.57 ± 2.88
Peak 141 ± 3.5
Area 1.000 ± 0.000
Sigma 31.7 ± 2

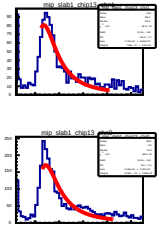

mip slab1 chip12 chan56
Mean 1519
Std Dev 1000
χ² / ndf 103 / 3
Width 37.03 ± 1.03
Peak 29.35 ± 2.08
Area 1.000 ± 0.000
Sigma 1.07 ± 0.4
Sigma(peak height) 1.0000
Sigma(peak area) 19.3859

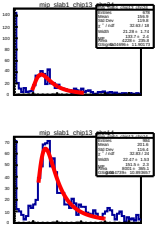

mip slab1 chip12 chan57
Mean 1.000
Width 0.000
Peak 0.000
Area 0.000
Sigma 0.000
Sigma(peak height) 0.0000
Sigma(peak area) 0.0000


mip slab1 chip12 chan58
Mean 1.000
Std Dev 1000
χ² / ndf 54.87 / 19
Width 30.65 ± 2.21
Peak 1.000 ± 0.000
Area 67.72 ± 3.86.2
Sigma 19.66 ± 0.6


mip slab1 chip12 chan59
Mean 1.000
Width 0.000
Peak 0.000
Area 0.000
Sigma 0.000
Sigma(peak height) 0.0000
Sigma(peak area) 0.0000

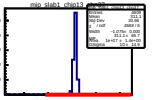

mip slab1 chip13 strip1
Entries 1000
Mean 213.5
Std Dev 19.17
χ² / ndf 15.317 / 19
Width 24.42 ± 3.19
MPV 214.0 ± 0.8
Area 1000 ± 0.0
Sigma 18.9 ± 13.1

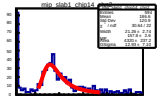

mip slab1 chip13 strip1
Entries 1000
Mean 213.5
Std Dev 19.17
χ² / ndf 15.317 / 19
Width 24.42 ± 3.19
MPV 214.0 ± 0.8
Area 1000 ± 0.0
Sigma 18.9 ± 13.1

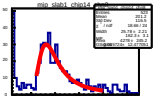

mip slab1 chip13 strip1
Entries 1000
Mean 213.5
Std Dev 19.17
χ² / ndf 15.317 / 19
Width 24.42 ± 3.19
MPV 214.0 ± 0.8
Area 1000 ± 0.0
Sigma 18.9 ± 13.1

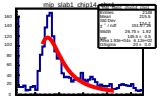
mip slab1 chip13 strip1
Entries 1000
Mean 213.5
Std Dev 19.17
χ² / ndf 15.317 / 19
Width 24.42 ± 3.19
MPV 214.0 ± 0.8
Area 1000 ± 0.0
Sigma 18.9 ± 13.1

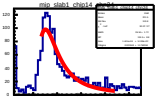
mip slab1 chip13 strip1
Entries 1000
Mean 213.5
Std Dev 19.17
χ² / ndf 15.317 / 19
Width 24.42 ± 3.19
MPV 214.0 ± 0.8
Area 1000 ± 0.0
Sigma 18.9 ± 13.1

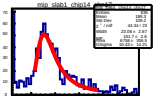

mip slab1 chip13 strip1
Entries 1000
Mean 213.5
Std Dev 19.17
χ² / ndf 4589.74
Width 0.2750 ± 0.000
MPV 213.1 ± 66.7
Area 64.7 ± 1.0
Sigma 0.1 ± 11.8

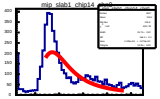

mip slab1 chip14 chan0
Entries 1004
Mean 19.64
Std Dev 3.01
χ² / ndf 30.64 / 19
Width 2.74 ± 0.04
MPV 19.29 ± 0.06
Integral 1.01e+ 0.14

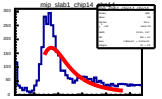

mip slab1 chip14 chan1
Entries 1004
Mean 20.14
Std Dev 2.77
χ² / ndf 38.66 / 18
Width 2.71 ± 0.03
MPV 20.03 ± 0.05
Integral 1.01e+ 0.14

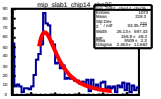

mip slab1 chip14 chan2
Entries 1004
Mean 19.57
Std Dev 3.01
χ² / ndf 151.5 / 19
Width 3.60 ± 0.05
MPV 19.75 ± 0.05
Integral 1.01e+ 0.14

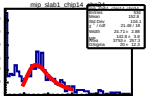

mip slab1 chip14 chan3
Entries 1004
Mean 19.57
Std Dev 3.01
χ² / ndf 151.5 / 19
Width 3.60 ± 0.05
MPV 19.75 ± 0.05
Integral 1.01e+ 0.14

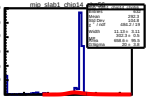

mip slab1 chip14 chan4
Entries 1004
Mean 19.57
Std Dev 3.01
χ² / ndf 44.19 / 19
Width 2.67 ± 0.04
MPV 19.71 ± 0.06
Integral 1.01e+ 0.14

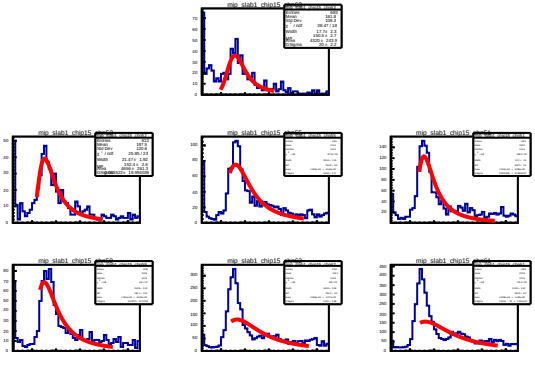

mip slab1 chip14 chan5
Entries 1004
Mean 19.57
Std Dev 3.01
χ² / ndf 151.5 / 19
Width 3.60 ± 0.05
MPV 19.75 ± 0.05
Integral 1.01e+ 0.14

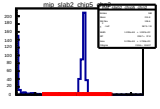

mip slab1 chip14 chan6
Entries 1004
Mean 19.57
Std Dev 3.01
χ² / ndf 151.5 / 19
Width 3.60 ± 0.05
MPV 19.75 ± 0.05
Integral 1.01e+ 0.14

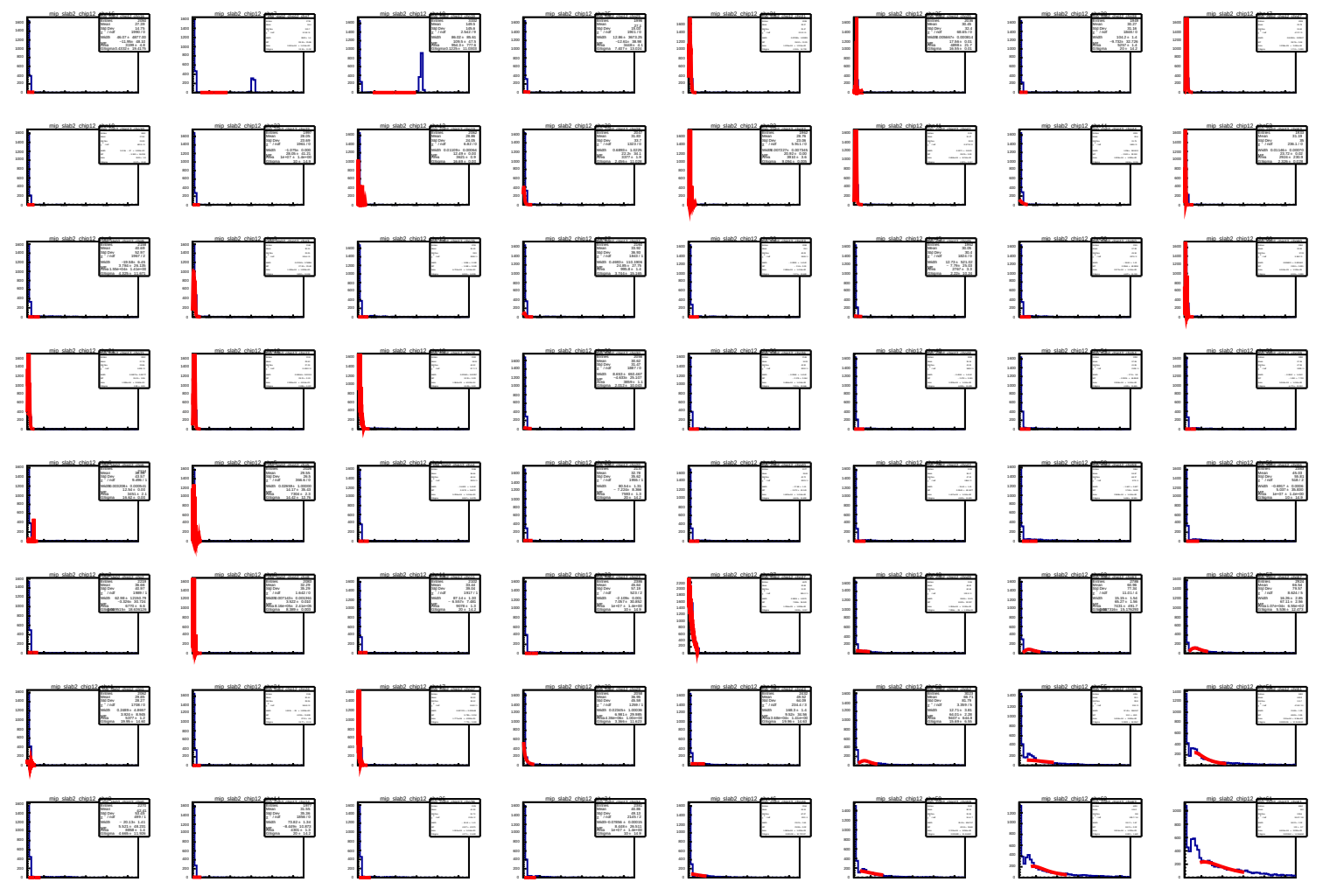

mip slab1 chip14 chan7
Entries 1004
Mean 19.57
Std Dev 3.01
χ² / ndf 53.36 / 19
Width 26.15 ± 0.87 ×10
MPV 19.75 ± 0.05
Integral 2.64e+ 0.14

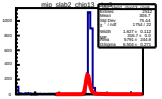

mip slab1 chip14 chan8
Entries 1004
Mean 19.57
Std Dev 3.01
χ² / ndf 21.48 / 19
Width 24.75 ± 2.98
MPV 19.75 ± 0.05
Integral 3.70e+ 0.14

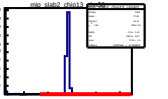

mip slab1 chip14 chan9
Entries 1004
Mean 19.57
Std Dev 3.01
χ² / ndf 184.27 / 19
Width 0.00 ± 0.00
MPV 19.75 ± 0.05
Integral 1.01e+ 0.14

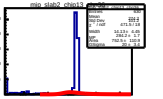

mip slab1 chip15 strip0
mip slab1 chip15 strip1
mip slab1 chip15 strip2
mip slab1 chip15 strip3
mip slab1 chip15 strip4
mip slab1 chip15 strip5
mip slab1 chip15 strip6
mip slab1 chip15 strip7

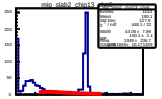

mio_slab2_chip5_ch2
Histogram statistics
Entries 1000
Mean x 0.5
Mean y 0.5
Std Dev x 0.0
Std Dev y 0.0
Underflow x 0 (0.0%)
Overflow x 0 (0.0%)
Underflow y 0 (0.0%)
Overflow y 0 (0.0%)
200
180
160
140
120
100
80
60
40
20
0

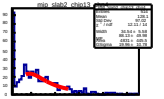


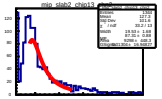

mip slab2 chip13

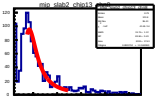

mip slab2 chip13

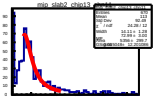

mip slab2 chip13

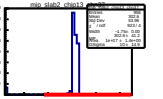

mip slab2 chip13

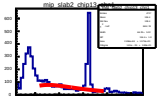

mip slab2 chip13

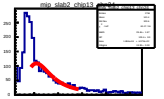

mip slab2 chip13

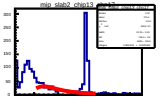

mip slab2 chip13

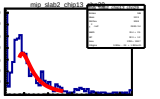

mip slab2 chip13

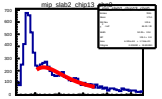

mip slab2 chip13

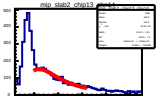

mip slab2 chip13

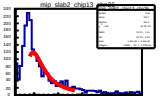

mip slab2 chip13

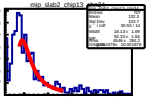

mip slab2 chip13

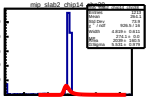

mip slab2 chip13

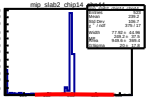

mip slab2 chip13

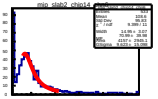

mip slab2 chip13

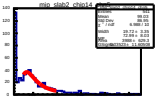

mip slab2 chip13

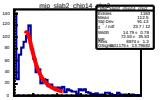

mip slab2 chip13

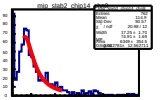

mip_slab2_chip14

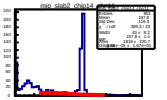

mip_slab2_chip14

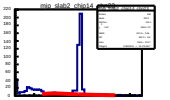

mip_slab2_chip14

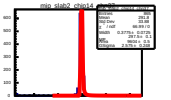

mip_slab2_chip14

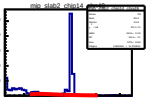

mip_slab2_chip14

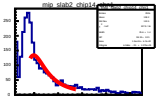

mip_slab2_chip14

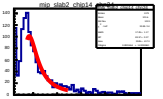

mip_slab2_chip14

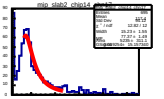

mip_slab2_chip14

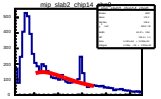

mip_slab2_chip14

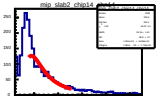

mip_slab2_chip14

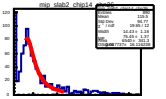

mip_slab2_chip14

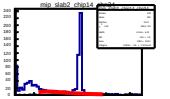

mip_slab2_chip14

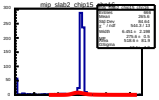

mip_slab2_chip14

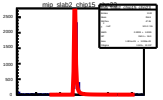

mip_slab2_chip14

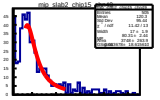

mip_slab2_chip14

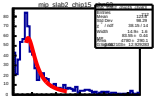

mip_slab2_chip14

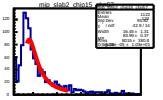

mip_slab2_chip14

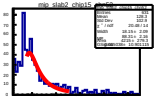

mip_slab2_chip15_chan32
Entries 2672
Mean 39.12
Std Dev 30.61
χ² / ndf 5457.7 / 13
Width 6.051 ± 2.208
MPV 39.12 ± 0.00
Area 8.28 ± 31.9
Sigma 0.000 ± 0.000

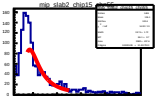

mip_slab2_chip15_chan33

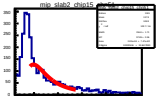

mip_slab2_chip15_chan34
Entries 1342
Mean 27.4
Std Dev 11.42
χ² / ndf 11.42 / 13
Width 27.4 ± 1.3
MPV 80.01 ± 0.14
Area 1.00 ± 0.00
Sigma 11.42 ± 0.013

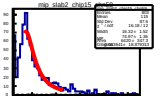

mip_slab2_chip15_chan35
Entries 1137
Mean 19.19
Std Dev 10.19
χ² / ndf 19.19 / 13
Width 11.9 ± 1.6
MPV 83.59 ± 0.41
Area 1.00 ± 0.00
Sigma 10.19 ± 0.012

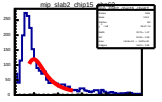

mip_slab2_chip15_chan36
Entries 1127
Mean 42.57
Std Dev 42.57
χ² / ndf 42.57 / 13
Width 15.45 ± 2.15
MPV 89.89 ± 0.12
Area 1.00 ± 0.00
Sigma 35.7 ± 0.041

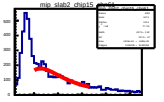

mip_slab2_chip15_chan37
Entries 1167
Mean 102.3
Std Dev 102.3
χ² / ndf 102.3 / 13
Width 19.24 ± 2.06
MPV 88.55 ± 2.36
Area 1.00 ± 0.00
Sigma 102.3 ± 0.111

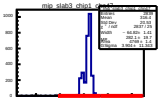

mip_slab2_chip15_chan38

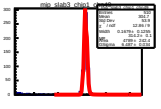

mip_slab2_chip15_chan39

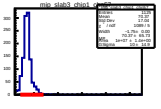

mip_slab2_chip15_chan40
Entries 1167
Mean 37.2
Std Dev 37.2
χ² / ndf 16.28 / 13
Width 34.93 ± 1.50
MPV 88.55 ± 0.00
Area 8.02 ± 32.7
Sigma 16.28 ± 0.018

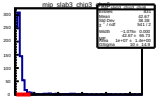

mip_slab2_chip15_chan41

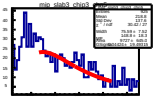

mip_slab2_chip15_chan42

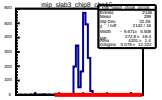

mip_slab3_chip1_chan25
Entries 1000
Mean 25.03
Std Dev 25.55
χ² / ndf 2027.7/5
Width 0.0255 ± 0.0
Mean 25.0 ± 0.0
Sigma 0.0411 ± 0.0

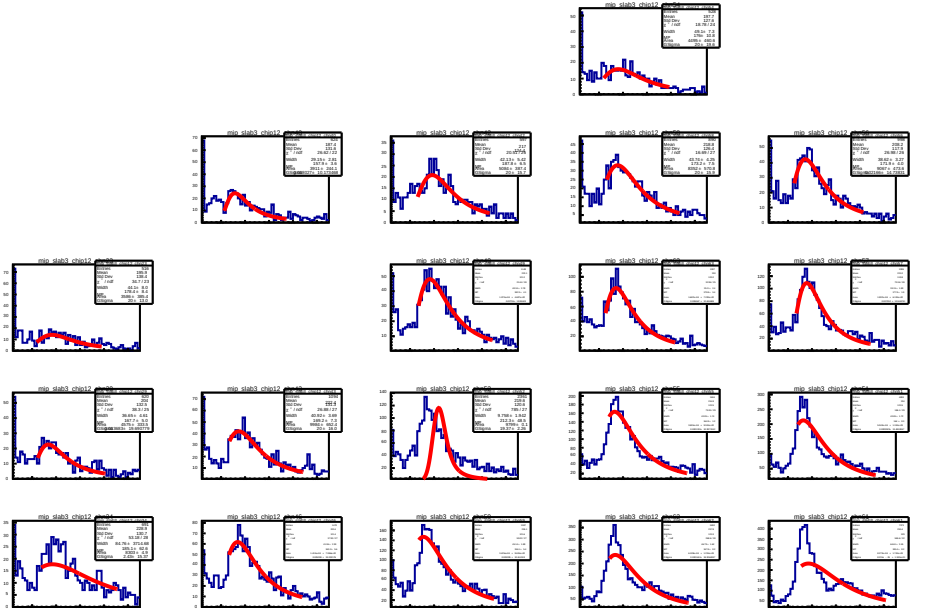

mip_slab3_chip1_chan26
Entries 1000
Mean 26.0
Std Dev 12.88
χ² / ndf 12.88/1.9
Width 0.1875 ± 0.039
Mean 26.0 ± 7.4
Sigma 4.287 ± 0.0

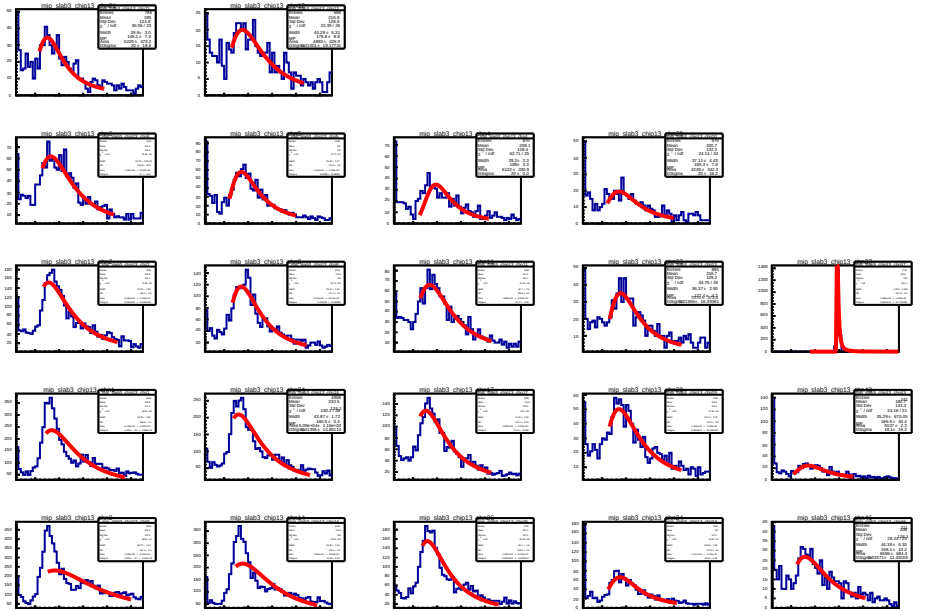

mip_slab3_chip1_chan27
Entries 1000
Mean 73.5
Std Dev 17.7
χ² / ndf 1380/15
Width -1.75 ± 0.0
Mean 73.5 ± 46.75
Sigma 54.07 ± 0.0
Sigma 0.0 ± 0.0

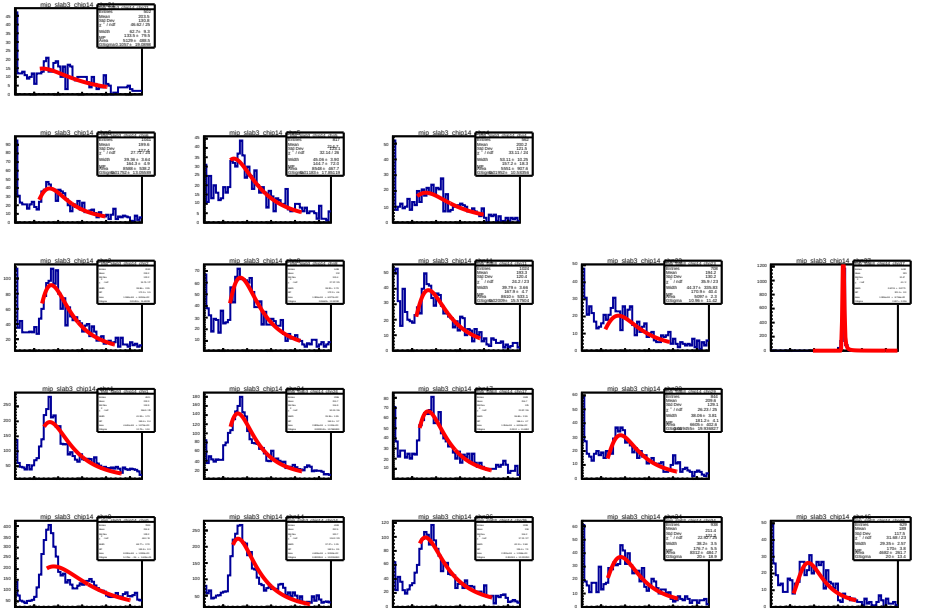

mip_slab3_chip3
Entries 22 317
Mean 22.33
Std Dev 38.56
χ / ndf 543 / 2
Width 0.0294 ± 0.000
Area 22.07 ± 0.000
MPV 14.07 ± 1.64e-05
Sigma 2.1 ± 0.0
300
250
200
150
100
50
0

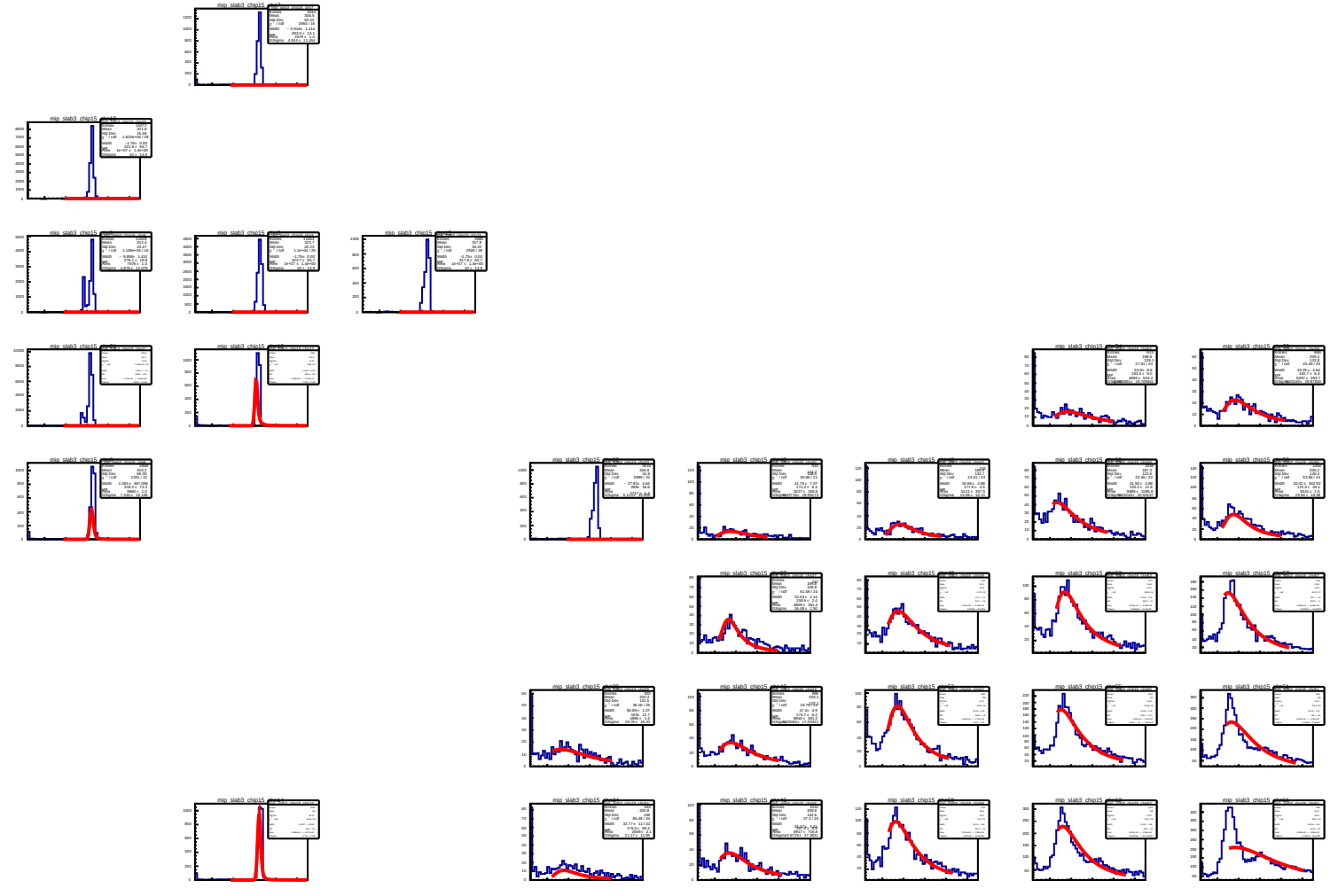

mip_slab3_chip3
Entries 2319 8
Mean 17.12
Std Dev 13.73
χ / ndf 90.42 / 20
Width 75.94 ± 2.5
Area 1348.8 ± 0.0
MPV 37.77 ± 0.0
Sigma 20.0 ± 2.5
40
35
30
25
20
15
10
5

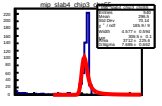

msp_slab3_chip6_c_ch16
Statistics on entries
Entries 1200
Mean 22.06
Std Dev 2127.19
Underflow - 0:Ofl: 5.828
Overflow 0:Ofl: 0.0
Integral - 2:Int: 0.0
Underflow 0:Ofl: 22.222
600
500
400
300
200
100
0

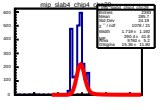

mip_slab3_chip12
Mean
Std Dev
χ² / ndf
Width
MPV
Integral

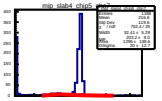


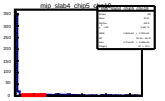

mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14
mip slab3 chip14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

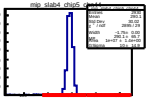


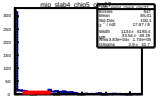

mip slab4 chip3 chan5
Entries 76798
Mean 299.1
Std Dev 70.14
χ² / ndf 1874 / 98
Prob 0
Constant 2777 ± 0.998
Mean 306.5 ± 0.1
Sigma 27.01 ± 0.08
Constant 2499 ± 0.9
220
200
180
160
140
120
100
80
60
40
20
0

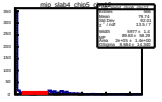

mip slab4 chip2 strip0
Entries 2000
Mean 250.7
Std Dev 20.18
χ / ndf 1.000 / 1
p1 1.730e+ 3 ± 3.00
p2 250.0 ± 20.8
p3 19.38 ± 1.32
Integral 19.38 ± 1.32
600
500
400
300
200
100
0

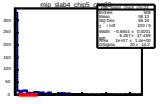

mip slab4 chip5 ch0
Entries 2504
Mean 1310.
Std Dev 170.8
χ² / ndf 792.0 / 25
Width 10.33 ± 9.18
Mean 1310. ± 0.0
Sigma 170. ± 0.0

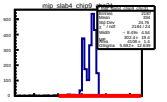

mip slab4 chip5 ch1
Entries 0
Mean nan
Std Dev nan
χ² / ndf 0.000 / -1
Width 0.000 ± 0.000
Mean 0.000 ± 0.000
Sigma 0.000 ± 0.000

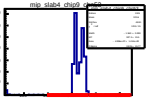

mip slab4 chip5 ch2
Entries 2501
Mean 2501.
Std Dev 2600.
χ² / ndf 2600.7 / 19
Width 0.750 ± 0.00
Mean 2500. ± 0.0
Sigma 14×10⁶ ± 1.4×10⁶
Sigma 14.0 ± 0.0

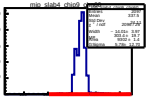

mip slab4 chip5 ch3
Entries 0
Mean 80.01
Std Dev 0.000
χ² / ndf 17.877 / 0
Width 11014. ± 0.00
Mean 5374. ± 0.0
Sigma 0.000 ± 0.000
Sigma 0.000 ± 0.000

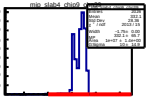

mip slab4 chip5 ch4
Entries 2504
Mean 79.72
Std Dev 3.573
χ² / ndf 12.91 / 3
Width 0.000 ± 0.0
Mean 89.01 ± 56.15
Sigma 39.970 ± 3.3×10⁶
Sigma 0.000 ± 0.0

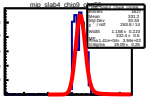

mip slab4 chip5 ch5
Entries 2504
Mean 38.73
Std Dev 69.13
χ² / ndf 69.13 / 0
Width -0.0001 ± 0.0001
Mean 8.0671 ± 27.830
Sigma 34.577 ± 0.0
Sigma 0.0 ± 0.0

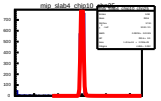

mip_slab4_chip2_ch24
Entries 1000
Mean 0.6
Std Dev 25.75
χ / ndf 2182/14
Prob 0
Const 0.01± 0.50
Mean -0.0000 ± 0.0
Sigma 0.0001 ± 0.0
Sigma 0.0001 ± 0.000

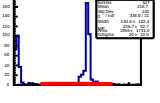
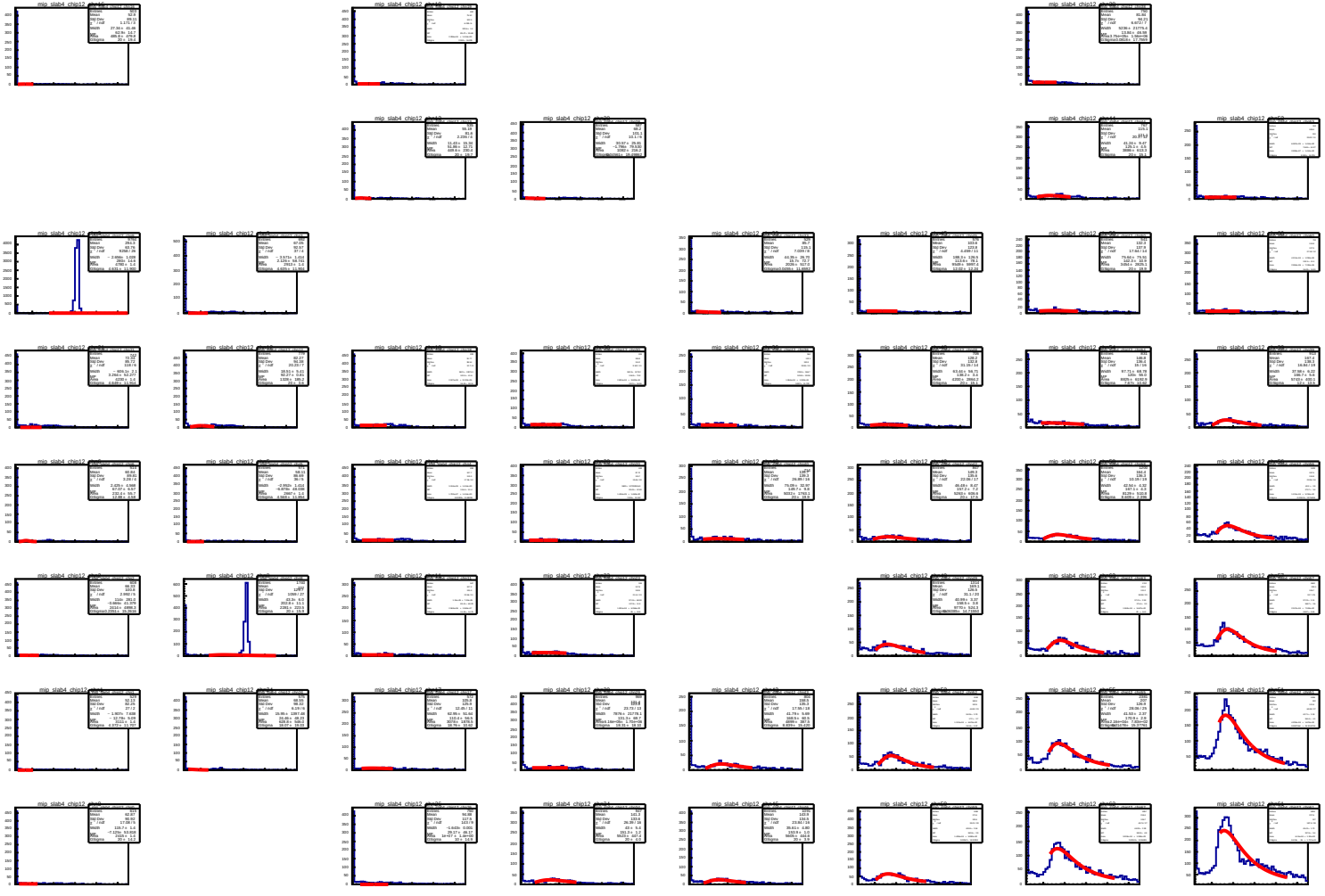
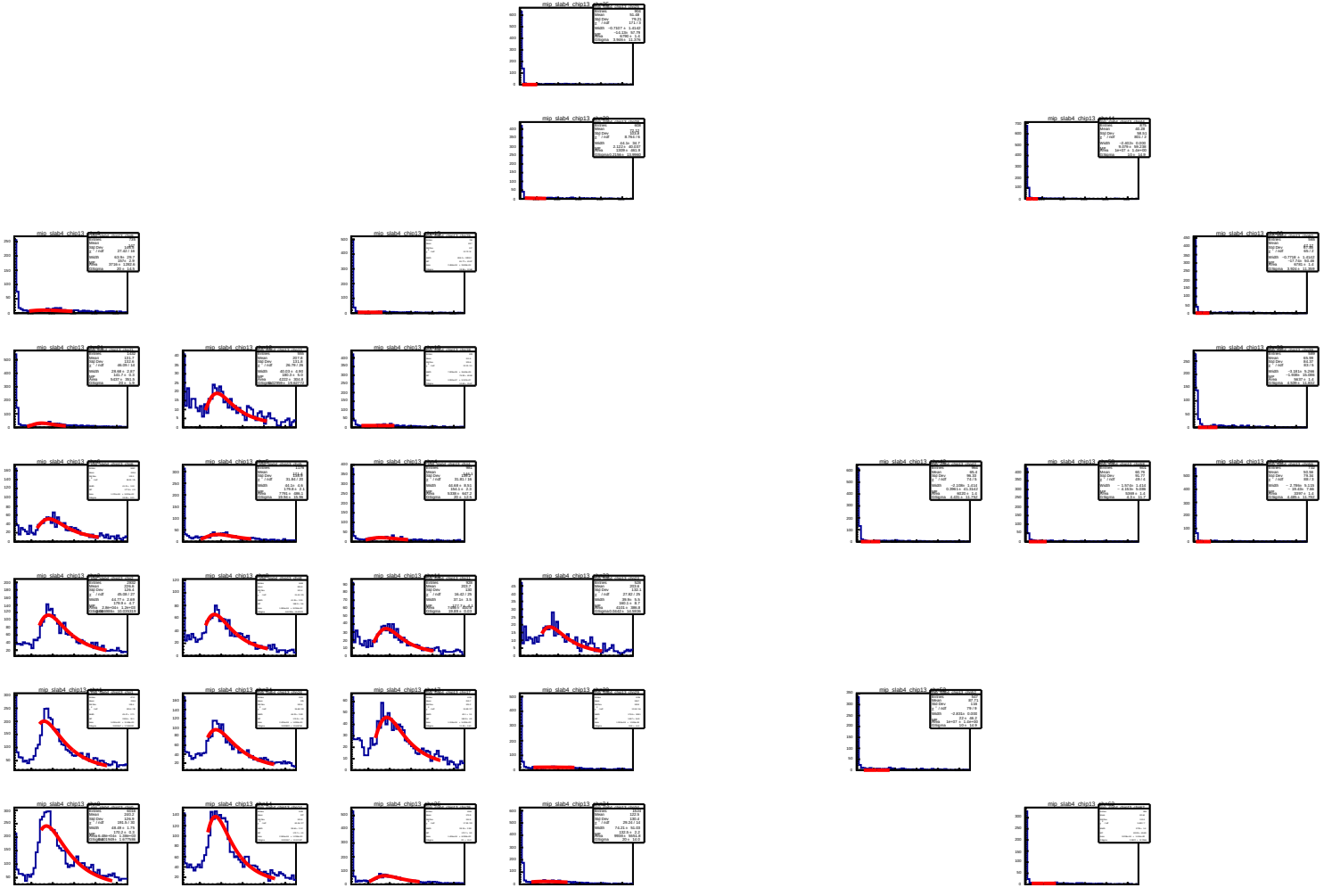
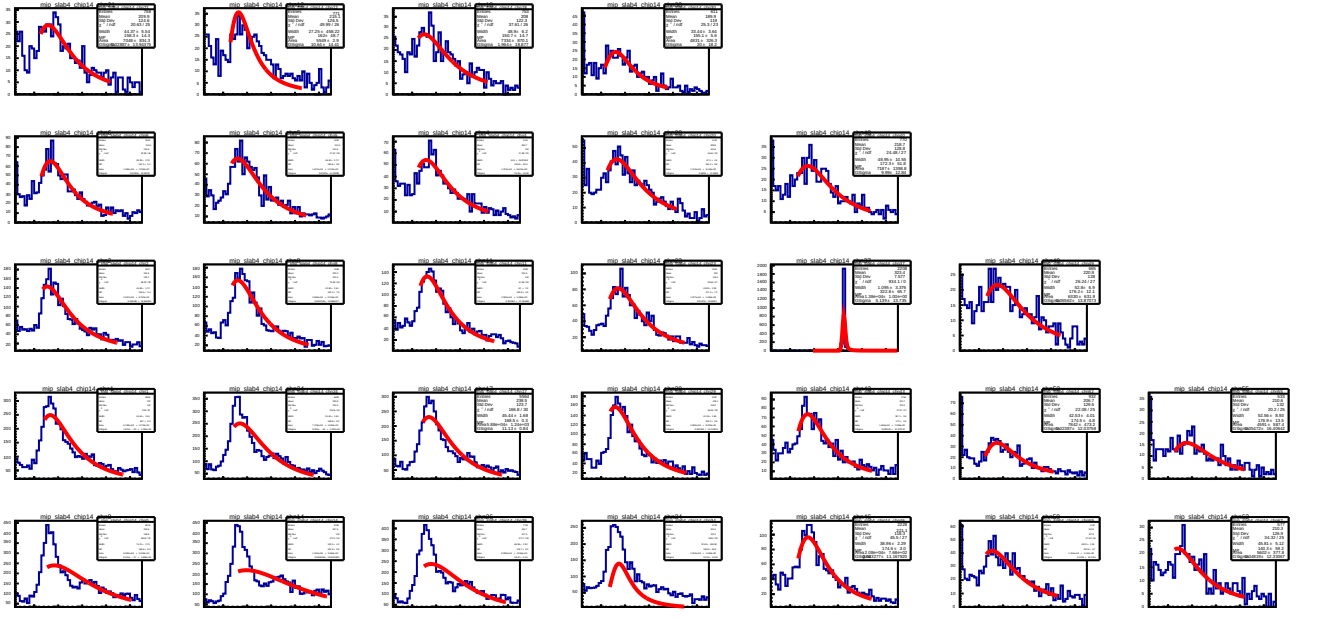
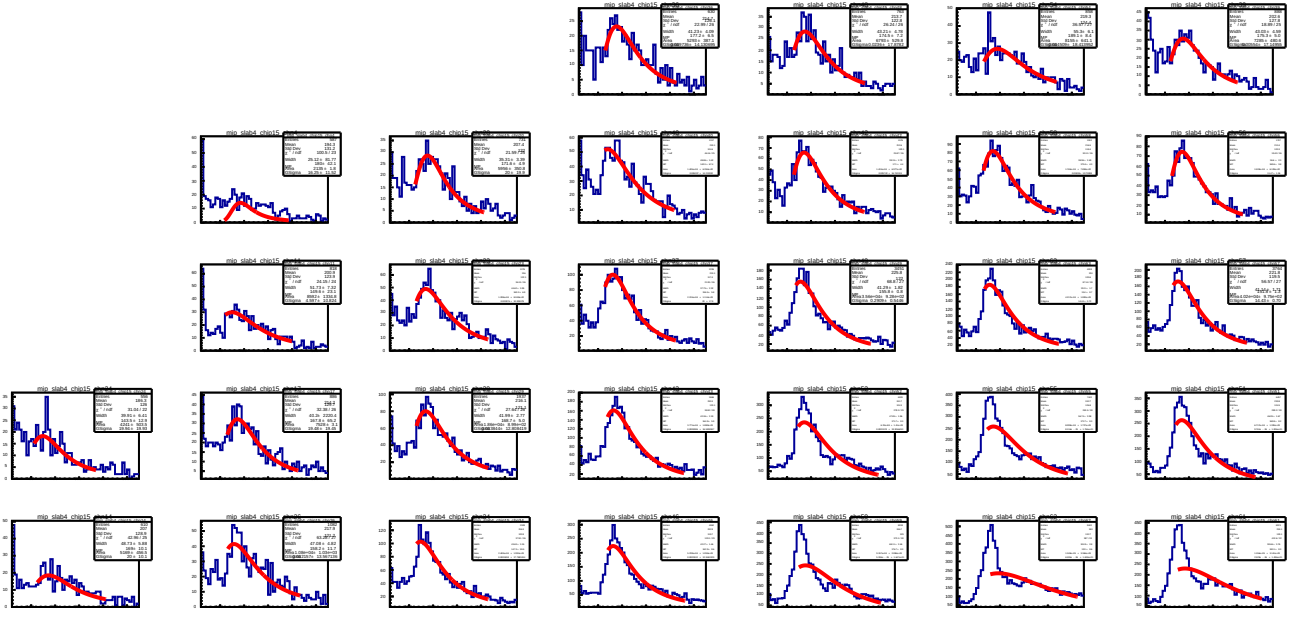

mip_slab4_chip2_ch25


mip_slab4_chip2_ch26


mip_slab4_chip2_ch27


mip_slab4_chip2_ch28


mip_slab4_chip10_pad36
Entries 2000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 2000
Skewness 0.0
Kurtosis 0.0
Mean x 0.0
RMS x 0.0
Underflow x 0
Overflow x 0
Integral x 2000
Skewness x 0.0
Kurtosis x 0.0
Constant 1999.9 ± 44.7
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
Integral 2000 ± 44.7
Sigma 0.0 ± 0.0
Integral 2000 ± 44.7
Constant 1999.9 ± 44.7
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
Integral 2000 ± 44.7
Sigma 0.0 ± 0.0
Integral 2000 ± 44.7


mip_slab4_chip10_pad36
Entries 2000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 2000
Skewness 0.0
Kurtosis 0.0
Mean x 0.0
RMS x 0.0
Underflow x 0
Overflow x 0
Integral x 2000
Skewness x 0.0
Kurtosis x 0.0
Constant 1999.9 ± 44.7
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
Integral 2000 ± 44.7
Sigma 0.0 ± 0.0
Integral 2000 ± 44.7
Constant 1999.9 ± 44.7
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
Integral 2000 ± 44.7
Sigma 0.0 ± 0.0
Integral 2000 ± 44.7