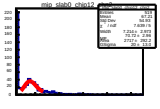
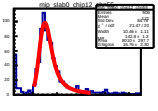
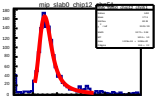
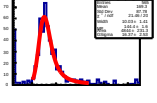
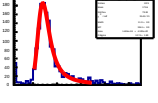
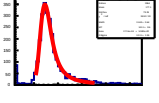

mip_slab0_chip12_chan56
Entries 334
Mean 32.42
Std Dev 7.608 ± 0.416
Width 7.216 ± 2.973
MPV 70.79 ± 2.99
Sigma 17.4 ± 15.0
Integral 34.7 ± 13.0

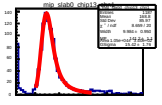

mip_slab0_chip12_chan55
Entries 1000
Mean 24.77
Std Dev 21.48 ± 0.68
Width 30.89 ± 1.13
MPV 0.63 ± 1.0
Sigma 26.76 ± 2.32
Integral 26.76 ± 2.32

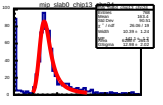

mip_slab0_chip12_chan54
Entries 1000
Mean 24.77
Std Dev 21.48 ± 0.68
Width 30.89 ± 1.13
MPV 0.63 ± 1.0
Sigma 26.76 ± 2.32
Integral 26.76 ± 2.32

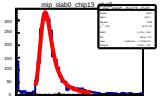

mip_slab0_chip12_chan58
Entries 1000
Mean 24.77
Std Dev 21.48 ± 0.68
Width 30.89 ± 1.13
MPV 0.63 ± 1.0
Sigma 26.76 ± 2.32
Integral 26.76 ± 2.32

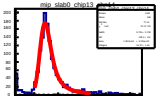

mip_slab0_chip12_chan57
Entries 1000
Mean 24.77
Std Dev 21.48 ± 0.68
Width 30.89 ± 1.13
MPV 0.63 ± 1.0
Sigma 26.76 ± 2.32
Integral 26.76 ± 2.32

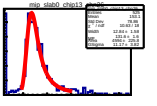

mip_slab0_chip12_chan56
Entries 1000
Mean 24.77
Std Dev 21.48 ± 0.68
Width 30.89 ± 1.13
MPV 0.63 ± 1.0
Sigma 26.76 ± 2.32
Integral 26.76 ± 2.32

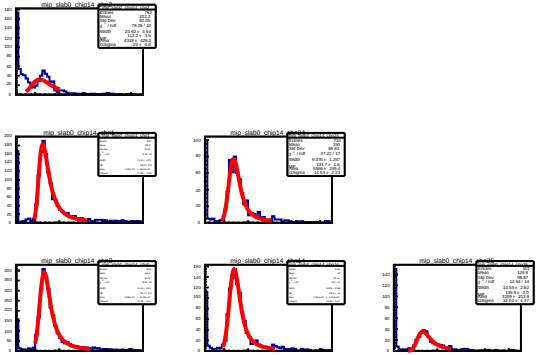

mip_slab0_chip13_chan1
Entries 1000
Mean 19.47
Std Dev 89.97
χ² / ndf 8.68 / 5
Constant 1.00 ± 0.00
MPV 19.00 ± 0.00
Sigma 15.20 ± 1.79

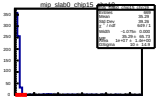

mip_slab0_chip13_chan2
Entries 1000
Mean 14.24
Std Dev 90.61
χ² / ndf 2.00 / 5
Constant 10.28 ± 1.14
MPV 5.00 ± 0.00
Sigma 12.84 ± 0.63

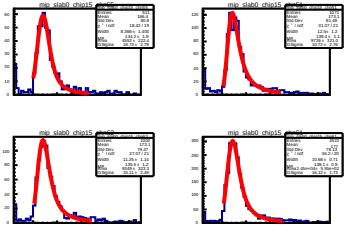

mip_slab0_chip13_chan3
Entries 1000
Mean 19.47
Std Dev 89.97
χ² / ndf 8.68 / 5
Constant 1.00 ± 0.00
MPV 19.00 ± 0.00
Sigma 15.20 ± 1.79

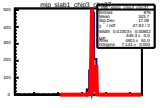

mip_slab0_chip13_chan4
Entries 1000
Mean 19.47
Std Dev 89.97
χ² / ndf 8.68 / 5
Constant 1.00 ± 0.00
MPV 19.00 ± 0.00
Sigma 15.20 ± 1.79

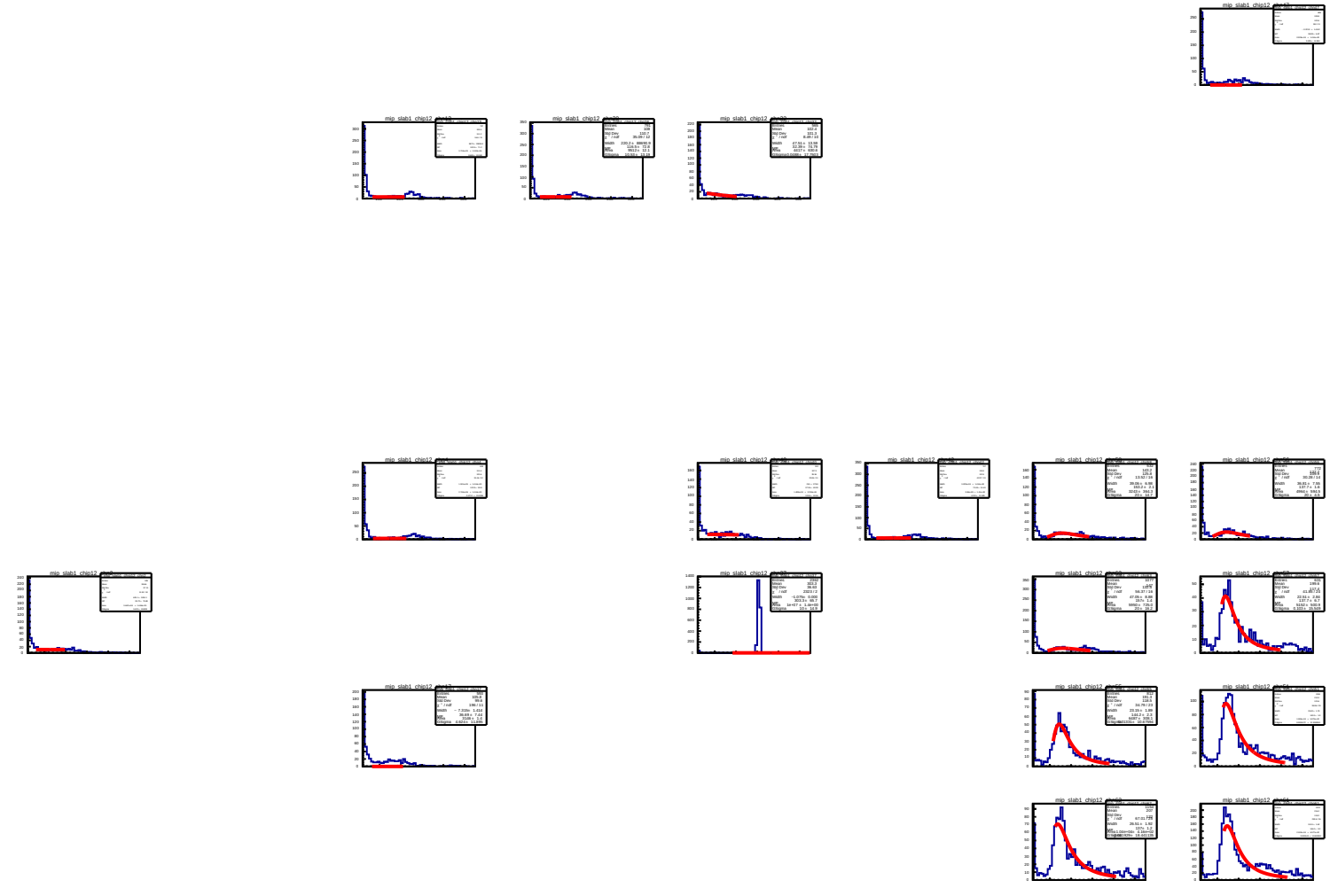

mip_slab0_chip13_chan5
Entries 1000
Mean 9.81
Std Dev 10.63
χ² / ndf 10.63 / 18
Constant 12.84 ± 1.56
MPV 5.00 ± 0.00
Sigma 4.59 ± 0.25
Integral 11.17 ± 0.63

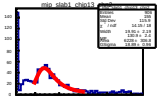

mip_slab0_chip14_chan0
mip_slab0_chip14_chan1
mip_slab0_chip14_chan2
mip_slab0_chip14_chan3
mip_slab0_chip14_chan4
mip_slab0_chip14_chan5

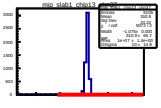

mip slab0 chip15 strip56
Entries 1000
Mean 39.28
Std Dev 39.26
χ² / ndf 9297 / 1
Prob 0.000
Constant 0.002
Mean 39.29 ± 0.00
Sigma 14.07 ± 0.00
Integral 34 ± 0.0

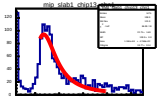

mip slab0 chip15 strip55
Entries 1000
Mean 39.1
Std Dev 39.8
χ² / ndf 16.0 / 8
Prob 0.042
Constant 0.266 ± 0.030
Mean 132.2 ± 1.9
Sigma 28.51 ± 2.2
Integral 267.0 ± 22.0
mip slab0 chip15 strip54
Entries 1000
Mean 27.1
Std Dev 31.0
χ² / ndf 12.9 / 7
Prob 0.074
Constant 12.9 ± 1.7
Mean 130.4 ± 1.3
Sigma 25.51 ± 1.5
Integral 323.0 ± 21.0
mip slab0 chip15 strip53
Entries 1000
Mean 72.1
Std Dev 27.8
χ² / ndf 27.07 / 15
Prob 0.026
Constant 11.25 ± 1.16
Mean 130.1 ± 0.8
Sigma 19.51 ± 0.8
Integral 219.0 ± 13.0
mip slab0 chip15 strip52
Entries 1000
Mean 72.2
Std Dev 26.7
χ² / ndf 26.27 / 15
Prob 0.036
Constant 10.68 ± 0.75
Mean 130.1 ± 0.8
Sigma 19.12 ± 0.8
Integral 204.0 ± 12.0

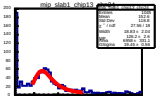

mip_slab1_chip3_ch13
Entries 1024
Mean 0.0
Mean x 0.0
Std Dev 47.82 / 2
Integral 1024.0
Underflow 0.0000E+
Overflow 0.0
Skewness 7.101 ± 0.000
500
400
300
200
100
0

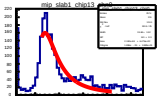

mip slab1 chip12
mip slab1 chip12
mip slab1 chip12

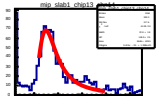

mip slab1 chip13 strip1
Entries 1204
Mean 12.78
Std Dev 14.18
χ² / ndf 14.18 / 18
Width 19.91 ± 2.19
MPV 120.6 ± 2.4
Area 1.1e+04 ± 1.4e+02
Sigma 11.69 ± 0.58

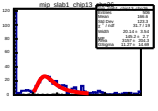

mip slab1 chip13 strip2
Entries 1204
Mean 30.18
Std Dev 30.15
χ² / ndf 50.75 / 5
Width 0.278 ± 0.032
MPV 10.8 ± 66.7
Area 54.1e+03 ± 1.1e+03
Sigma 0.1 ± 11.8

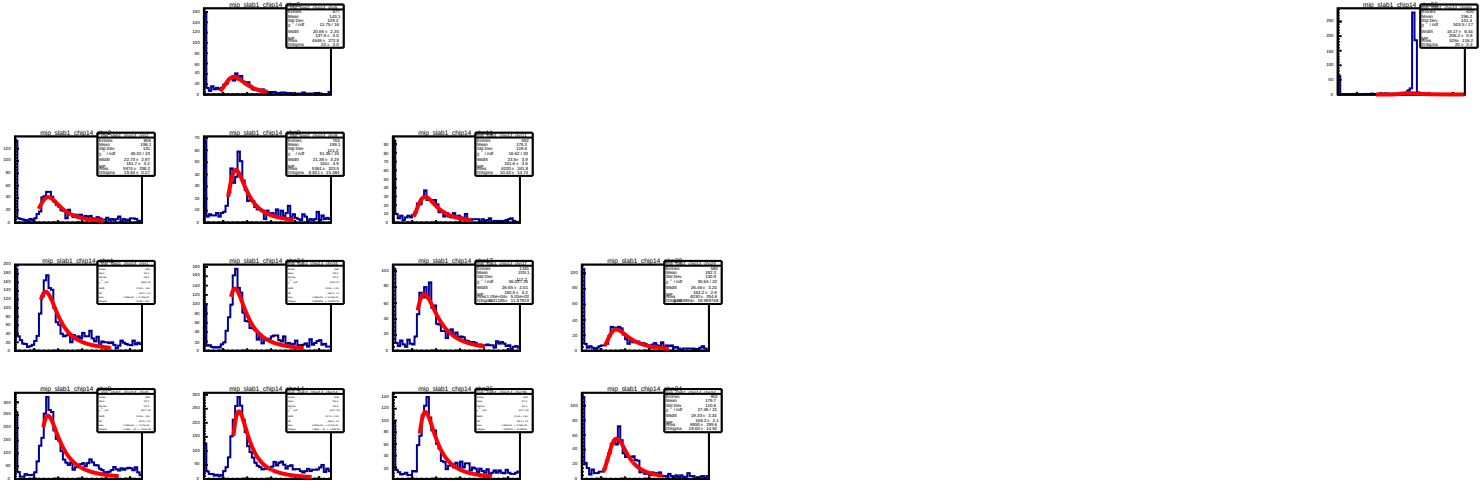

mip slab1 chip13 strip3
Entries 1204
Mean 12.78
Std Dev 14.18
χ² / ndf 14.18 / 18
Width 19.91 ± 2.19
MPV 120.6 ± 2.4
Area 1.1e+04 ± 1.4e+02
Sigma 11.69 ± 0.58


mip slab1 chip13 strip4
Entries 1204
Mean 12.78
Std Dev 14.18
χ² / ndf 14.18 / 18
Width 19.91 ± 2.19
MPV 120.6 ± 2.4
Area 1.1e+04 ± 1.4e+02
Sigma 11.69 ± 0.58


mip slab1 chip13 strip5
Entries 1204
Mean 12.78
Std Dev 14.18
χ² / ndf 14.18 / 18
Width 19.91 ± 2.19
MPV 120.6 ± 2.4
Area 1.1e+04 ± 1.4e+02
Sigma 11.69 ± 0.58


mip slab1 chip13 strip6
Entries 1204
Mean 12.78
Std Dev 14.18
χ² / ndf 14.18 / 18
Width 19.91 ± 2.19
MPV 120.6 ± 2.4
Area 1.1e+04 ± 1.4e+02
Sigma 11.69 ± 0.58


mip slab1 chip13 strip7
Entries 1204
Mean 12.78
Std Dev 14.18
χ² / ndf 14.18 / 18
Width 19.91 ± 2.19
MPV 120.6 ± 2.4
Area 1.1e+04 ± 1.4e+02
Sigma 11.69 ± 0.58


mip slab1 chip14
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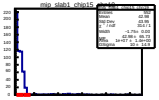
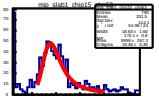
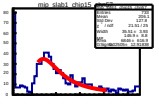
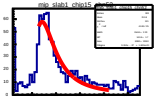
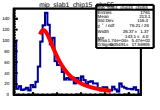
mip slab1 chip14

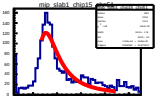

mip slab1 chip15 chan0
Entries 1000
Mean 22.32
Std Dev 23.95
χ² / ndf 2117.1
Const 0.02
Mean -0.06 ± 0.01
Sigma 14.07 ± 0.04
Const 34 ± 2.3

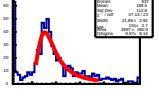

mip slab1 chip15 chan1
Entries 1000
Mean 201.5
Std Dev 17.12
χ² / ndf 1212 / 1
Const 54.6 ± 2.7
Mean 28.61 ± 1.60
Sigma 170.2 ± 0.8
Const 0.0 ± 0.0
Mean 0.0 ± 0.0
Sigma 10.00 ± 0.10

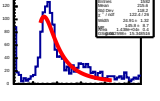

mip slab1 chip15 chan2
Entries 1000
Mean 203.4
Std Dev 17.14
χ² / ndf 2132 / 1
Const 51.92 ± 2.65
Mean 35.51 ± 3.91
Sigma 168.6 ± 3.6
Const 0.0 ± 0.0
Mean 0.0 ± 0.0
Sigma 10.00 ± 0.10

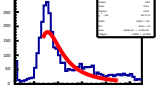

mip slab1 chip15 chan3
Entries 1000
Mean 0.0
Std Dev 0.0
χ² / ndf 0 / 0
Const 0.0 ± 0.0
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
Const 0.0 ± 0.0
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0

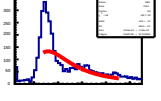

mip slab1 chip15 chan4
Entries 1000
Mean 213.1
Std Dev 18.64
χ² / ndf 79.7 / 1
Const 29.37 ± 1.37
Mean 5.65 ± 4.45
Sigma 170.0 ± 0.0
Const 5.0 ± 0.0
Mean 0.0 ± 0.0
Sigma 10.00 ± 0.10

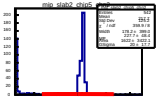

mip slab1 chip15 chan5
Entries 1000
Mean 0.0
Std Dev 0.0
χ² / ndf 0 / 0
Const 0.0 ± 0.0
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
Const 0.0 ± 0.0
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0

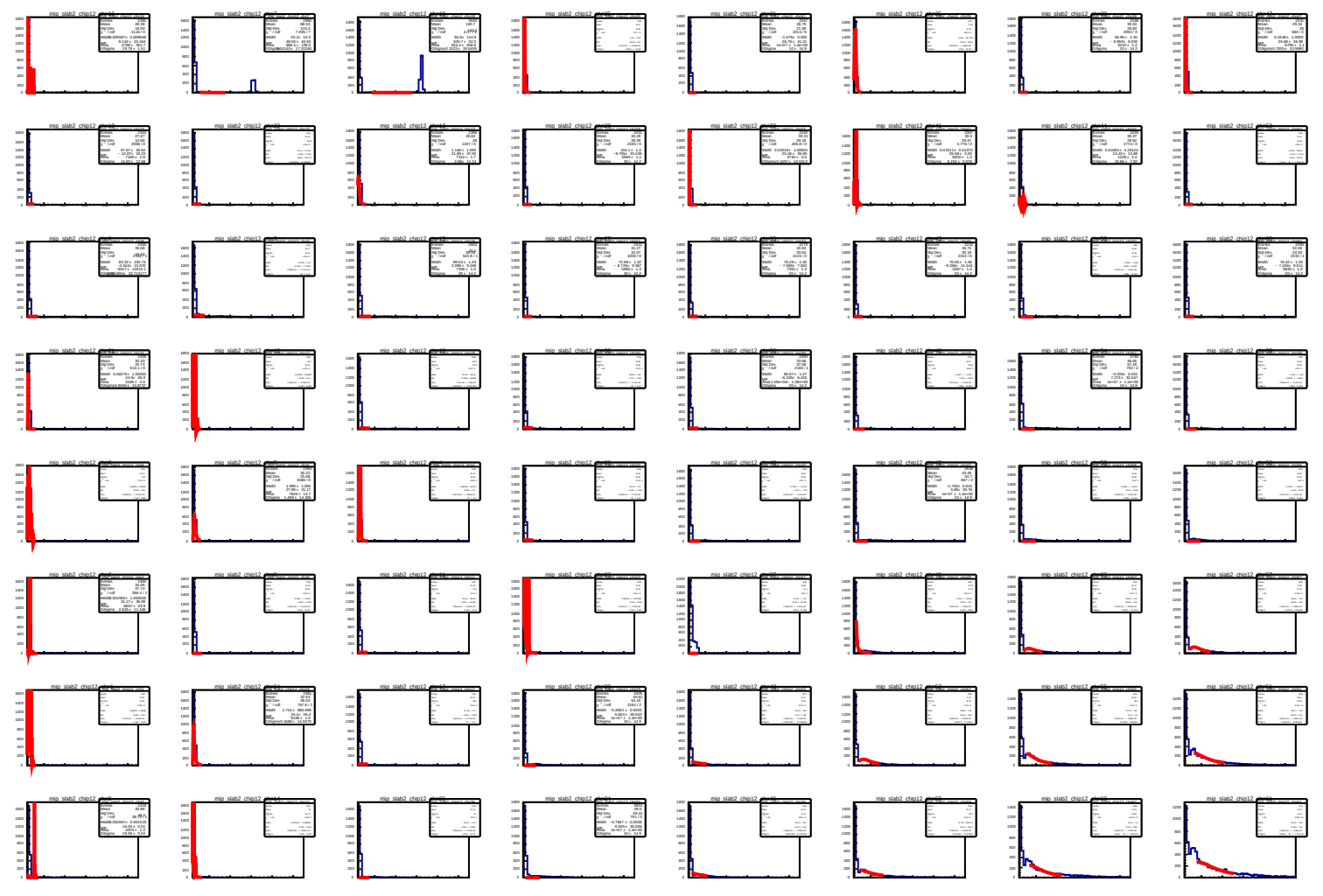

mip slab1 chip15 chan6
Entries 1000
Mean 160.0
Std Dev 17.17
χ² / ndf 37.17 / 3
Const 25.86 ± 2.92
Mean 0.0 ± 0.0
Sigma 200.0 ± 0.0
Const 9.91 ± 0.0

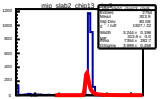

mip slab1 chip15 chan7
Entries 1000
Mean 200.2
Std Dev 18.17
χ² / ndf 126.8 / 3
Const 24.91 ± 3.32
Mean 0.0 ± 0.0
Sigma 1.1E+04 ± 0.1
Const 10.00 ± 0.0
Mean 0.0 ± 0.0
Sigma 10.00 ± 0.0


mip slab1 chip15 chan8
Entries 0
Mean nan
Std Dev nan
χ² / ndf 0 / 0
Const nan ± nan
Mean nan ± nan
Sigma nan ± nan
Const nan ± nan
Mean nan ± nan
Sigma nan ± nan


mip slab1 chip15 chan9
Entries 0
Mean nan
Std Dev nan
χ² / ndf 0 / 0
Const nan ± nan
Mean nan ± nan
Sigma nan ± nan
Const nan ± nan
Mean nan ± nan
Sigma nan ± nan


mip_slab2_chip5_chan2
Entries 1000
Mean 334.2
Std Dev 358.9 / 6
Mean 378.2 ± 388.0
σ 137.7 ± 68.4
MPV 317.0 ± 1.0
Integral 20 ± 117.2
200
180
160
140
120
100
80
60
40
20
0

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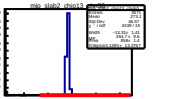
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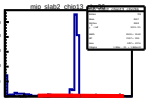
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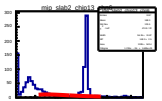
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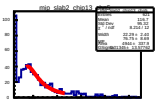
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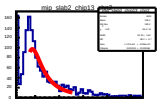
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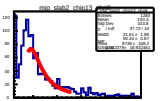
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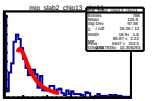
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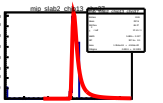
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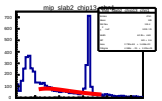
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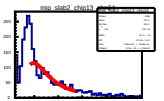
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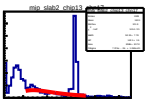
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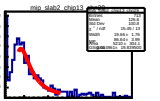
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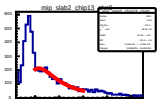
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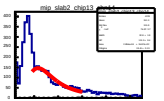
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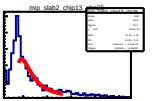
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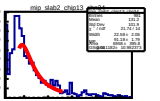
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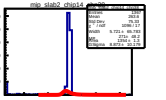
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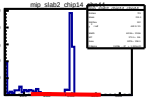
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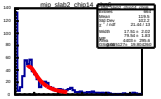
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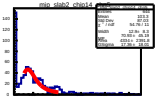
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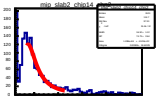
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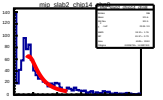
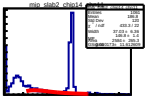
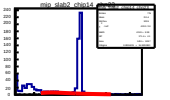
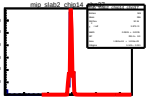
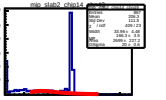

mip_slab2_chip14_chan3


mip_slab2_chip14_chan4


mip_slab2_chip14_chan5


mip_slab2_chip14_chan6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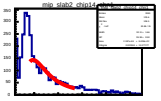
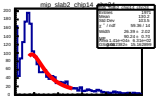
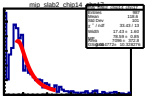
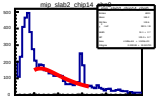
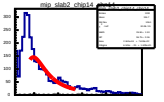

mip_slab2_chip14_chan8


mip_slab2_chip14_chan9


mip_slab2_chip14_chan10


mip_slab2_chip14_chan11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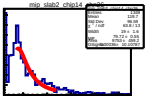
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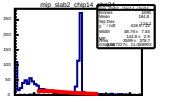
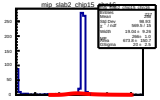
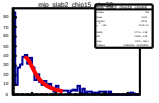
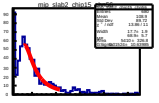
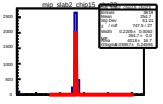
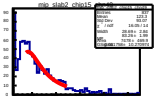

mip_slab2_chip14_chan14

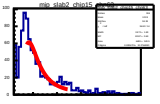

mip_slab2_chip15_chan32
Entries 282
Mean 98.93
Std Dev 569.51 ± 5.6
χ² / ndf 19.04 / 9.24
Width 19.04 ± 9.24
MPV 615.81 ± 140.7
Integral 24.1 ± 2.1


mip_slab2_chip15_chan33


mip_slab2_chip15_chan34
Entries 1362
Mean 1.07
Std Dev 19.17
χ² / ndf 13.81 / 11
Width 12.1 ± 1.5
MPV 54.01 ± 3.6
Integral 41.6 ± 2.6


mip_slab2_chip15_chan35
Entries 1414
Mean 1.07
Std Dev 427.9 ± 7.7
χ² / ndf 0.2281 / 0.0911
Width 0.2281 ± 0.0911
MPV 264.7 ± 5.2
Integral 0.0 ± 0.0


mip_slab2_chip15_chan36
Entries 1414
Mean 1.07
Std Dev 16.06 / 14
χ² / ndf
Width 28.69 ± 2.91
MPV 83.39 ± 1.59
Integral 1.79 ± 0.09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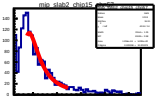
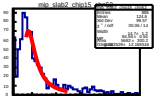
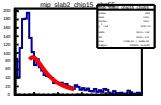
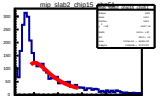
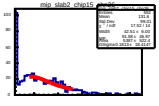
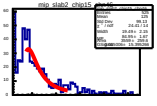

mip_slab2_chip15_chan38

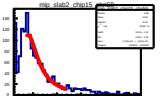

mip_slab2_chip15_chan39
Entries 1414
Mean 1.07
Std Dev 99.17
χ² / ndf 50.09 / 14
Width
MPV 44.57 ± 5.2
Integral 9.6 ± 0.6


mip_slab2_chip15_chan40


mip_slab2_chip15_chan41


mip_slab2_chip15_chan42
Entries 1414
Mean 1.07
Std Dev 183.6
χ² / ndf 17.67 / 12
Width 62.61 ± 9.05
MPV 137.9 ± 10.2
Integral 3.87 ± 0.22
Integral (x1) 16.14 ± 0


mip_slab2_chip15_chan43
Entries 1414
Mean 1.07
Std Dev 99.14
χ² / ndf 24.47 / 14
Width 29.49 ± 2.35
MPV 83.39 ± 1.59
Integral 3589 ± 208.6
Integral (x1) 14.95 ± 0.86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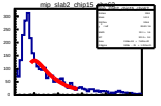
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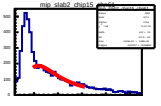
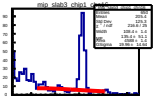
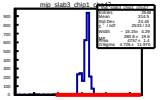
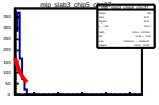
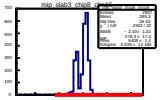
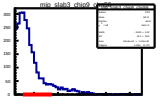

mip_slab2_chip15_chan46

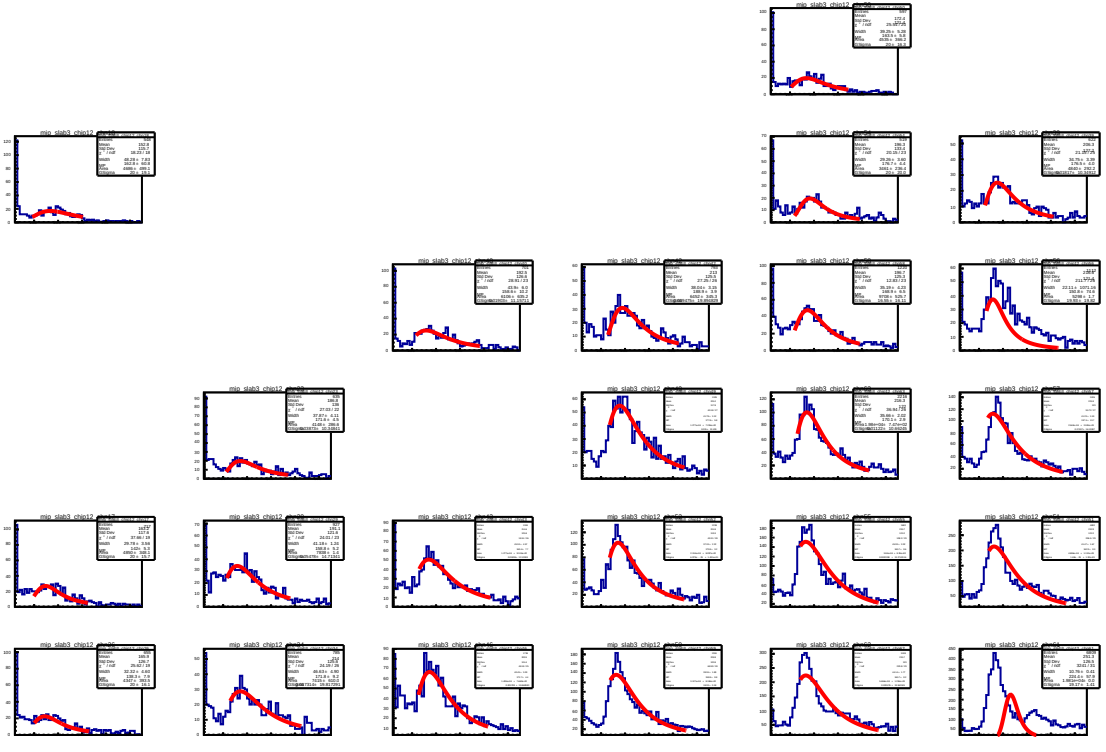

mip_slab3_chip1_chan5
Entries 1000
Mean 39.12
Std Dev 129.3
χ / ndf 219.4 / 35
Width 130.4 ± 1.4
Sigma 19.84 ± 0.14
Mean 1568 ± 1.1
Sigma 19.84 ± 0.14

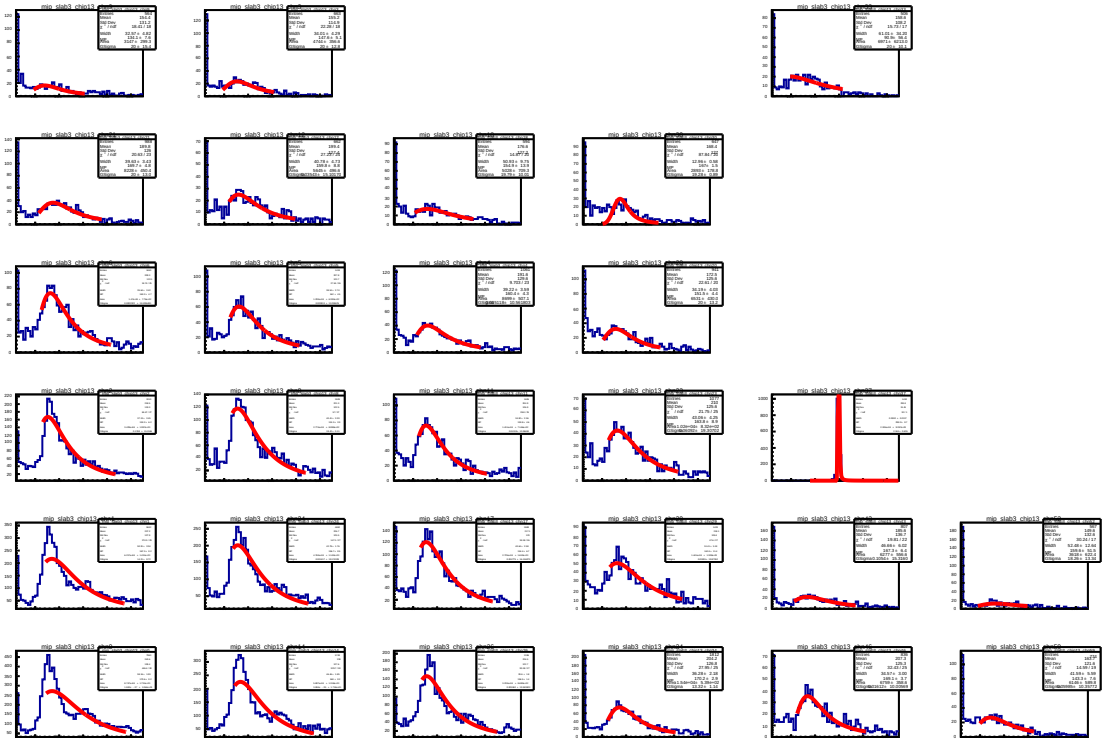

mip_slab3_chip1_chan5
Entries 1000
Mean 1024
Std Dev 23.05
χ / ndf 25.01 / 19
Width 24.39 ± 0.8
Sigma 23.05 ± 0.6
Mean 2037 ± 0.5
Sigma 4.78 ± 0.4

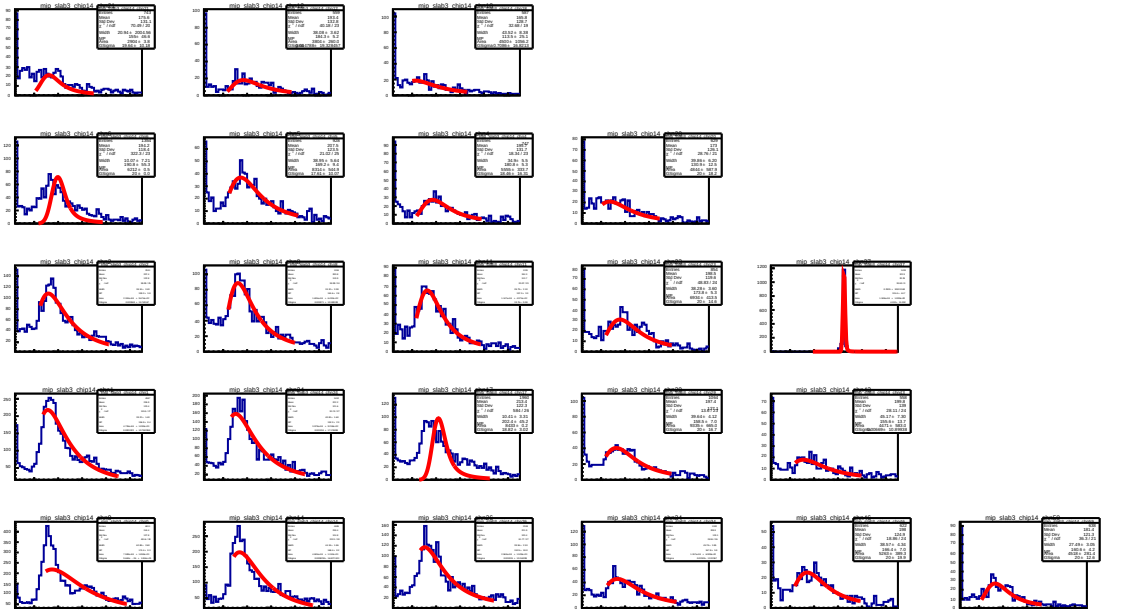

mip_slab3_chip5_ch10
Entries 4000000
Mean x 0.7
Mean y 0.7
Std Dev x 0.6
Std Dev y 0.6
χ² / ndf 1.1e+06 / 1
Prob 0
p0 1.1e+06 ± 1.1e+04
p1 -1.7e+06 ± 1.7e+04
350
300
250
200
150
100
50
0

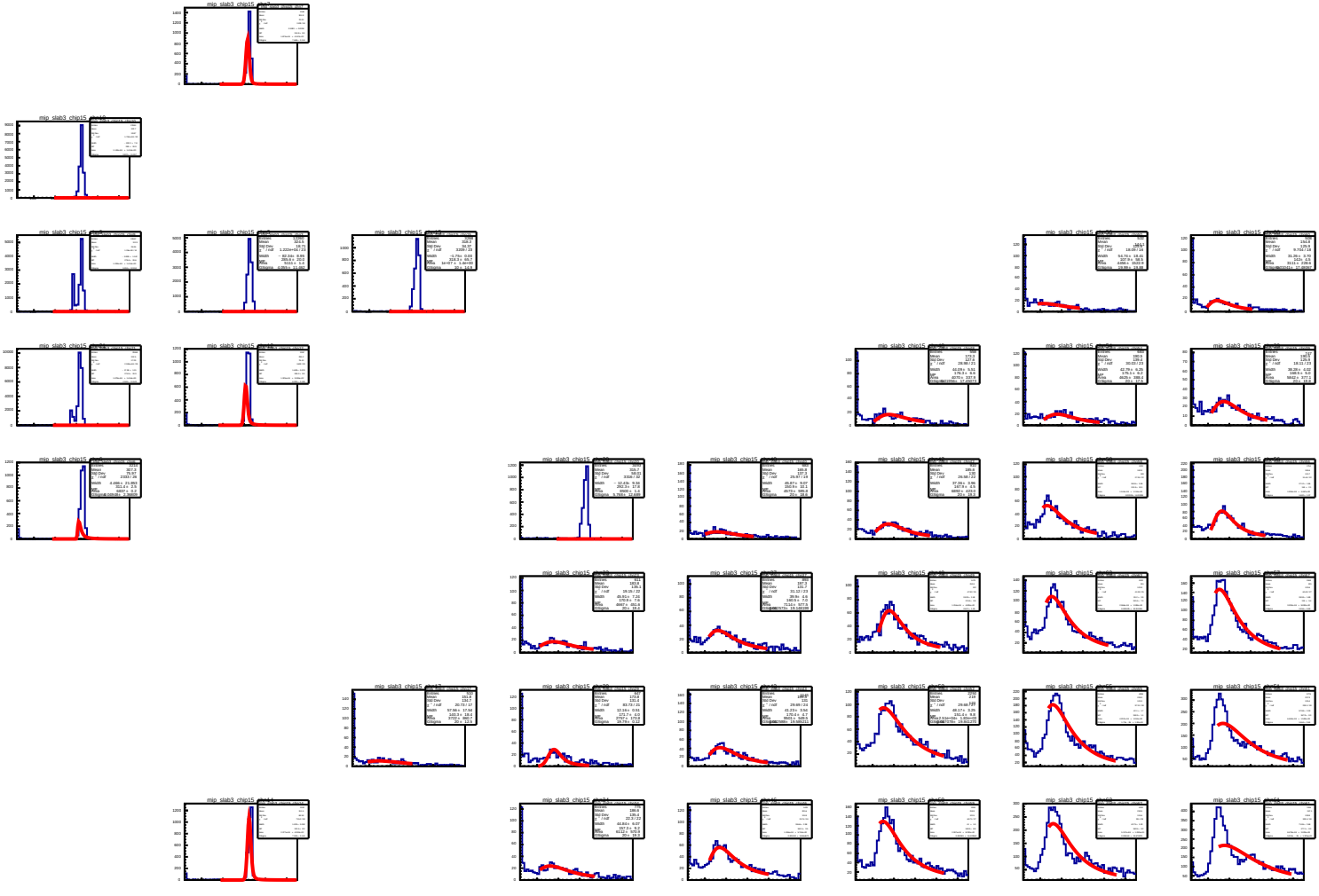

msp_slab3_chip8_stack5
Statistics
Entries 2611
Mean 28.43
Std Dev 25211.72
Underflow 0
Overflow 0
Integral 2611.0
Skewness 0.0767 ± 0.0152
700
600
500
400
300
200
100
0

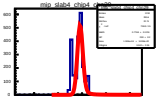


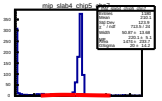


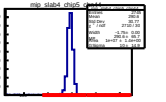


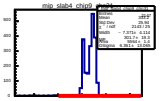


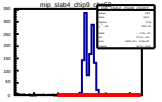


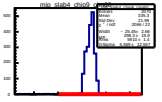

mip_slab4_cbin4_ptcut0
Entries 1000
Mean 0.0000
Mean x 0.0000
Mean y 0.0000
Mean z 0.0000
Std Dev 0.0000
Std Dev x 0.0000
Std Dev y 0.0000
Std Dev z 0.0000
Underflow 0
Overflow 0
Integral = 1000.0
Skewness x 0.0000
Skewness y 0.0000
Skewness z 0.0000
Kurtosis x 0.0000
Kurtosis y 0.0000
Kurtosis z 0.0000
600
500
400
300
200
100
0

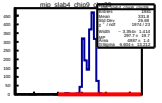

mip slab4 chip5 chan2
Entries 2500
Mean 121.8
Std Dev 17.8
χ² / ndf 713.8 / 19
Width 50.87± 19.08
Mean 121.1± 0.4
Sigma 18.0± 0.3

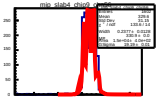

mip slab4 chip5 chan3
Entries 2500
Mean 280.8
Std Dev 27.0
χ² / ndf 2737.7 / 19
Width -5.75± 0.90
Mean 277.1± 0.4
Sigma 24.4± 0.3

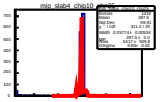

mip_slab4_chip2_chn24
Entries 1017
Mean 29.94
Std Dev 21.01/15
Width - 7.57± 0.14
Sigma 5.4
Area 1017 ± 32
Chi/ndf 0.0017 / 2.205

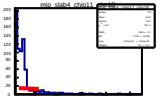

mip_slab4_chip2_chn25

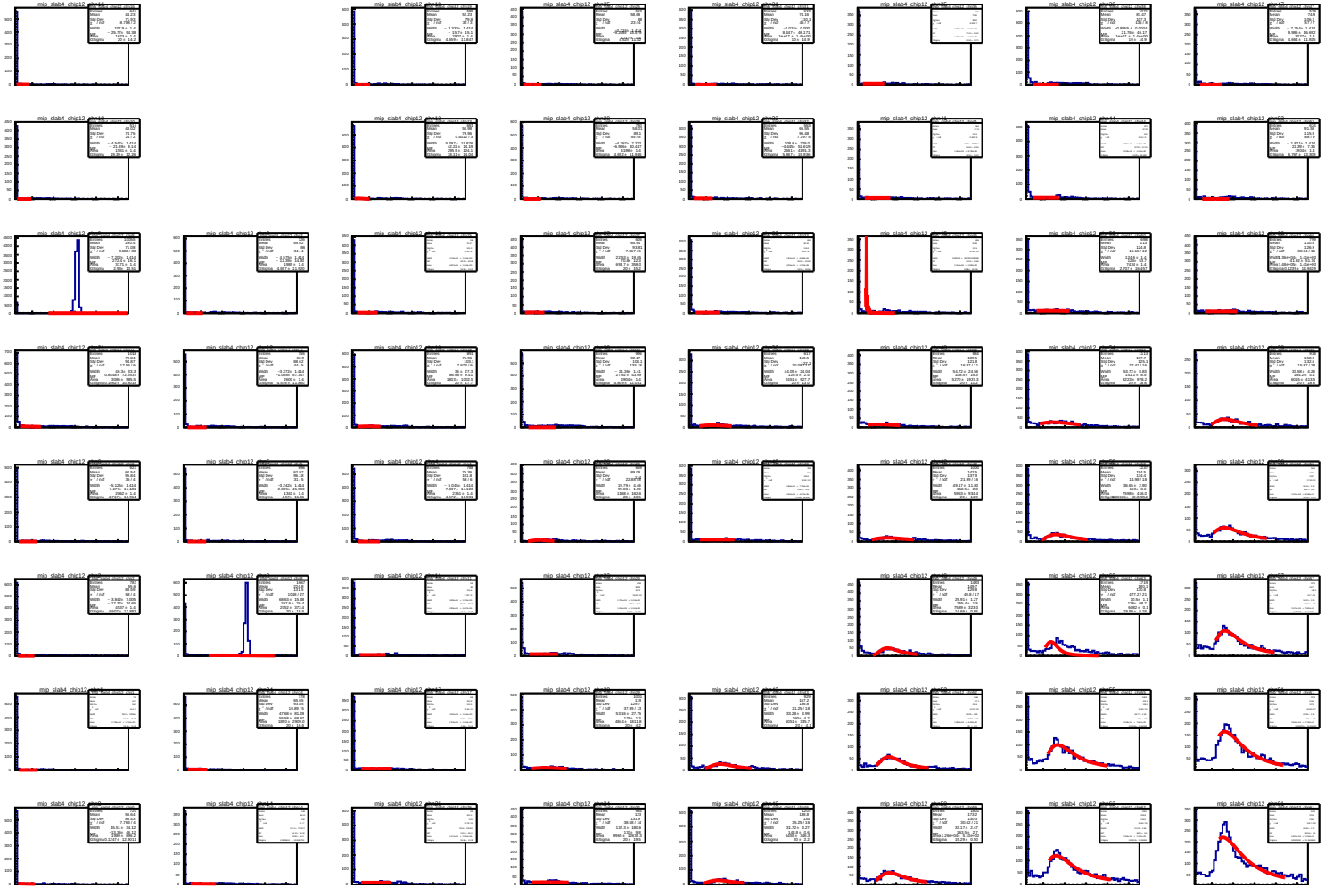

mip_slab4_chip2_chn26

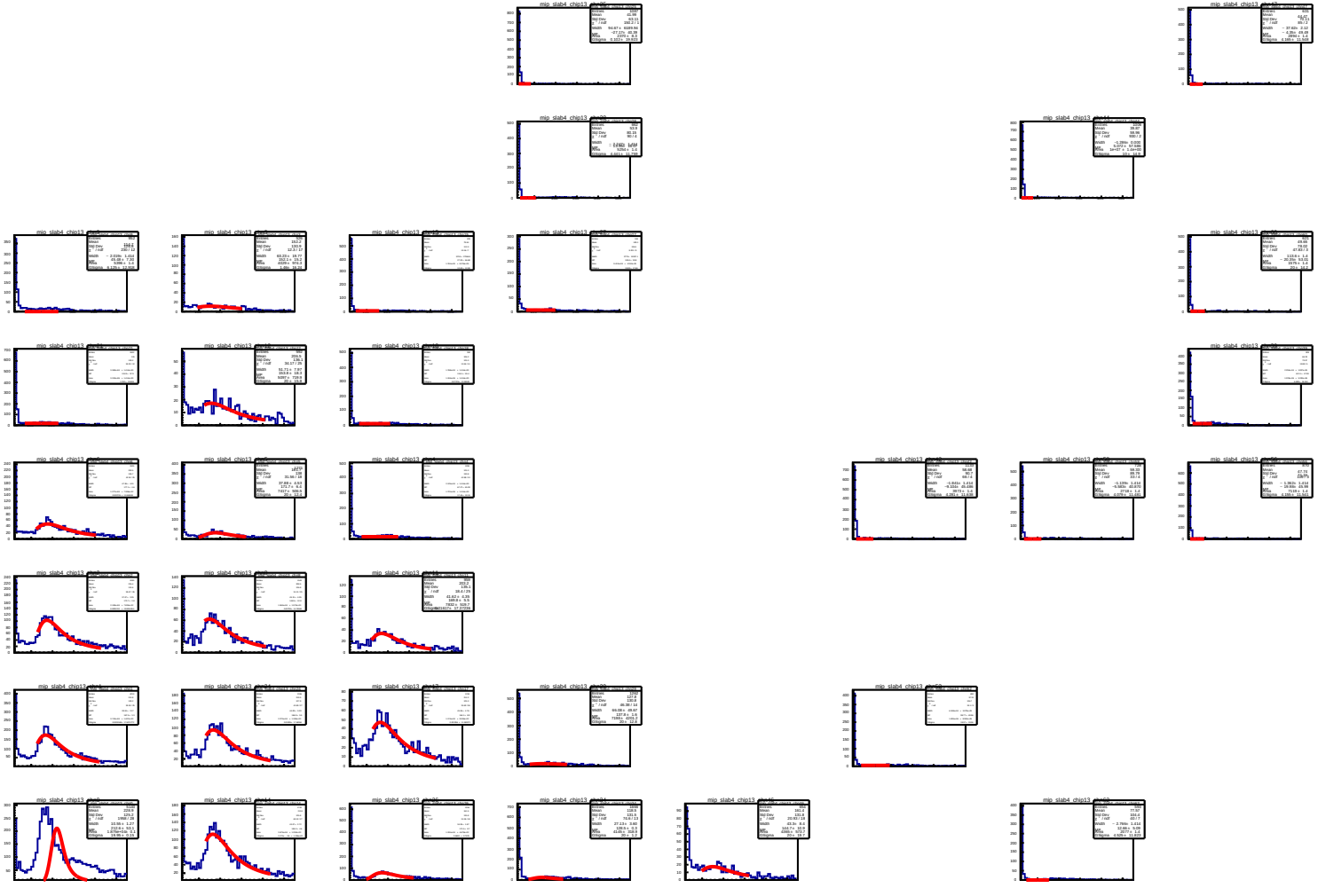

mip_slab4_chip2_chn27

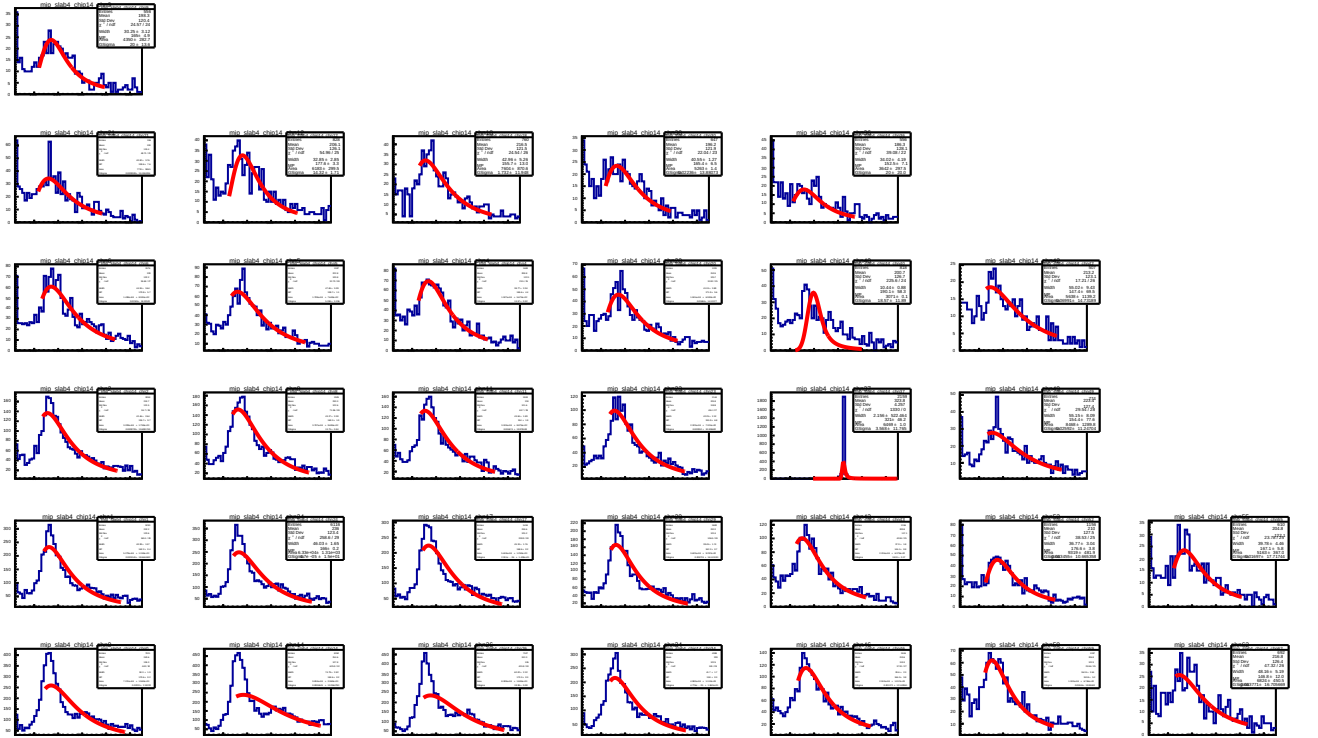

mip_slab4_chip2_chn28

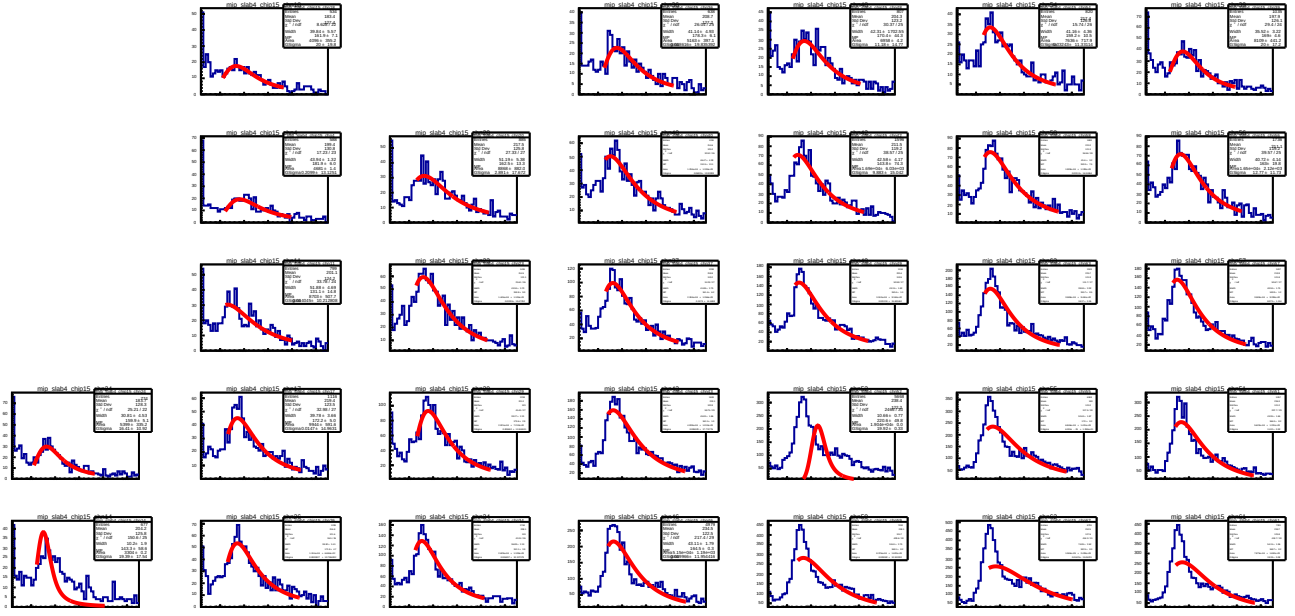

mip_slab4_ch0t31_mc_05
Entries 2014
Mean 39.81
Std Dev 311.27
χ² / ndf 0.0000 / 0
MAIN 0.0007184 ± 0.0018
μ 5.000 ± 0.0000
σ 5.000 ± 0.0000
Integral 9.000 ± 0.0000
750
625
500
375
250
125
0


mm_stdhd_chm11_chm18
Entries 1000
Mean 0.0
Mean x 0.0
Std Dev 0.0
Std Dev x 0.0
χ² / ndf 0.0 / 0
Prob 0.0
Constant / ndf 1000 / 1
200
180
160
140
120
100
80
60
40
20
0








mip slab4 chip15
mip slab4 chip15
mip slab4 chip15