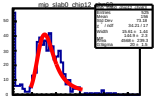
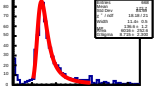
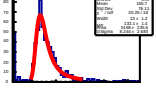
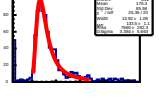
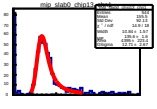
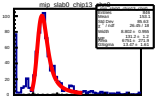

mip_slab0_chip12_chan3
Entries 1000
Mean 0.97
Std Dev 0.18
χ² / ndf 34.23 / 17
Width 23.61 ± 1.10
MPV 148.8 ± 2.2
Area 8000 ± 71.3
Sigma 0.0 ± 0.0

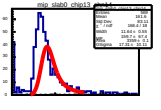

mip_slab0_chip12_chan5
Entries 1000
Mean 0.74
Std Dev 0.14
χ² / ndf 11.61 / 14
Width 336.6 ± 1.2
MPV 1000 ± 2.8
Area 8720 ± 23.0

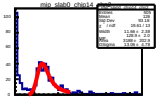

mip_slab0_chip12_chan6
Entries 1000
Mean 0.27
Std Dev 0.11
χ² / ndf 20.26 / 18
Width 33 ± 1.2
MPV 1000 ± 2.8
Area 8180 ± 24.5
Sigma 4.0e+ ± 0.0

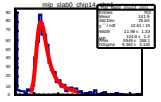

mip_slab0_chip12_chan8
Entries 1000
Mean 0.54
Std Dev 0.13
χ² / ndf 25.36 / 15
Width 13.92 ± 1.05
MPV 1000 ± 2.8
Area 7920 ± 24.7
Sigma 3.56e+ ± 0.0

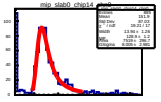

mip_slab0_chip13_chan4
Entries 2000
Mean 39.51
Std Dev 92.13
χ² / ndf 1420 / 13
Width 15.84 ± 1.57
MPV 128.6 ± 2.6
Integral 1371 ± 22.0

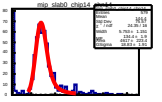

mip_slab0_chip13_chan5
Entries 2000
Mean 39.01
Std Dev 26.85
χ² / ndf 26.85 / 18
Width 8.802 ± 0.866
MPV 37.00 ± 0.5
Integral 5763 ± 171.9
Sigma 12.07 ± 1.21

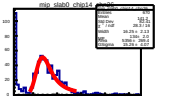

mip_slab0_chip13_chan14
Entries 2000
Mean 34.17
Std Dev 16.27
χ² / ndf 166.2 / 12
Width 11.62 ± 0.55
MPV 20.00 ± 0.5
Integral 3598 ± 7.5
Sigma 17.20 ± 0.16

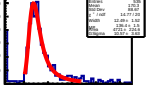

mip_slab0_chip14_chan5
Entries 334
Mean 11.37
Std Dev 19.63 / 13
χ² / ndf 16.21 / 17
Width 1.196 ± 2.59
Area 128.6 ± 2.0
MPV 11.96 ± 0.58
Sigma 0.000 ± 0.58

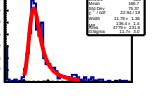

mip_slab0_chip14_chan6
Entries 1111
Mean 11.17
Std Dev 19.63
χ² / ndf 12.63 / 17
Width 1.196 ± 1.33
Area 1216.6 ± 3.3
MPV 11.96 ± 1.33
Sigma 0.000 ± 0.00

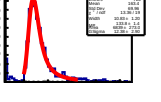

mip_slab0_chip14_chan7
Entries 334
Mean 20.14
Std Dev 16.21 / 17
Width 13.56 ± 1.26
Area 1216.6 ± 3.3
MPV 7.520 ± 240.7
Sigma 0.000 ± 0.00

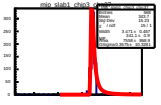

mip_slab0_chip14_chan8
Entries 1111
Mean 20.14
χ² / ndf 24.26 / 16
Width 9.793 ± 1.301
Area 4327.7 ± 10.5
MPV 19.22 ± 1.30

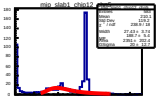

mip_slab0_chip14_chan9
Entries 334
Mean 18.1
Std Dev 26.57 / 19
Width 16.25 ± 2.13
Area 1216.6 ± 3.3
MPV 9.960 ± 240.2
Sigma 15.24 ± 0.00

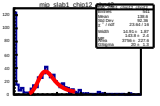

mip slab0 chip15 chn56
Entries 1352
Mean 89.07
Std Dev 88.97
χ² / ndf 1.07
Width 12.80 ± 1.40
MPV 139.41 ± 1.5
Area 1.0e+4 ± 0.0
Sigma 22.07 ± 0.03

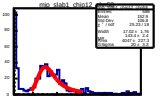

mip slab0 chip15 chn55
Entries 1352
Mean 79.27
Std Dev 22.92 / 19
χ² / ndf
Width 11.78 ± 1.36
MPV 51.70 ± 0.5
Area 4770 ± 141.5
Sigma 21.70 ± 0.2

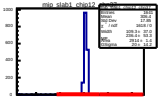

mip slab0 chip15 chn54
Entries 1352
Mean 104.9
Std Dev 19.78
χ² / ndf 11.80 / 19
Width 10.93 ± 1.15
MPV 69.93 ± 0.5
Area 6020 ± 215.5
Sigma 19.78 ± 0.2

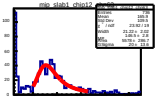

mip_slab1_chip3_c_mip
Entries 100
Mean 0.0
Mean x 0.0
Std Dev 10.17
Std Dev x 1
Integral 100
Skewness 0.671 ± 0.007
Skewness x 0.0
Kurtosis 3.0 ± 0.0
Kurtosis x 0.0
Underflow 0
Overflow 0
350
250
200
150
100
50
0

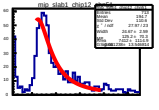

mip slab1 chip12 chan5
Mean 232.2
Std Dev 10.07
χ² / ndf 238.8 / 16
Width 27.43 ± 3.71
Area 7.64 ± 0.07
MPV 290.1 ± 0.2
Sigma 27.4 ± 0.2

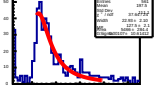

mip slab1 chip12 chan8
Mean 150.9
Std Dev 10.14
χ² / ndf 23.64 / 16
Width 12.61 ± 1.47
Area 4.07 ± 0.04
MPV 279.6 ± 27.3
Sigma 21.7 ± 1.1

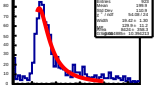

mip slab1 chip12 chan9
Mean 192.9
Std Dev 10.14
χ² / ndf 29.25 / 16
Width 12.02 ± 5.79
Area 4.07 ± 0.04
MPV 407.7 ± 27.7
Sigma 20.7 ± 1.1

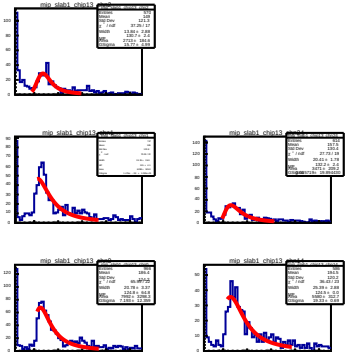

mip slab1 chip12 chan10
Mean 155.4
Std Dev 10.07
χ² / ndf 26.07 / 16
Width 229.3 ± 37.0
Area 236.4 ± 51.0
MPV 2914 ± 12.2
Sigma 2914 ± 12.2


mip slab1 chip12 chan11
Mean 155.4
Std Dev 10.07
χ² / ndf 23.927 / 16
Width 21.23 ± 2.22
Area 3.85 ± 2.8
MPV 1.0 ± 0.0
Sigma 19.3 ± 1.1


mip slab1 chip12 chan12
Mean 192.9
Std Dev 10.14
χ² / ndf 10.18 / 16
Width 31.67 ± 2.68
Area 105.2 ± 31.6
MPV 1.0 ± 0.0
Sigma 1.79e+ 1 ± 1.03e+0


mip slab1 chip12 chan13
Mean 197.2
Std Dev 10.07
χ² / ndf 37.47 / 16
Width 22.66 ± 2.32
Area 1.0 ± 0.0
MPV 8.00E+ 296.2
Sigma 1.00E+07± 10.1E+01


mip slab1 chip12 chan14
Mean 198.9
Std Dev 10.14
χ² / ndf 51.08 / 16
Width 19.42 ± 1.30
Area 1.0 ± 0.0
MPV 8.00E+ 268.1
Sigma 1.00E+07± 10.1E+01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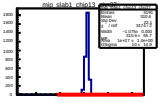
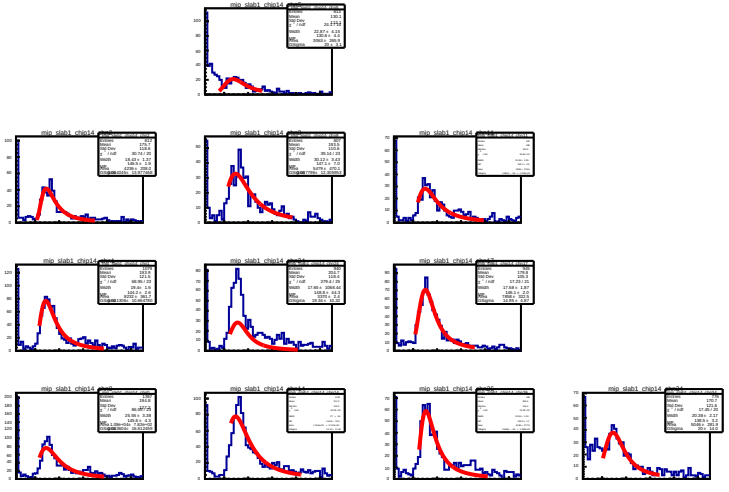
mip slab1 chip13 strip2
mip slab1 chip13 strip3
mip slab1 chip13 strip4
mip slab1 chip13 strip5


mip slab1 chip13 strip6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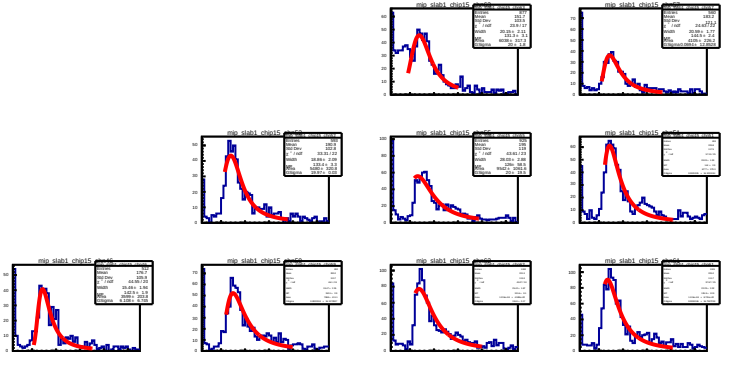
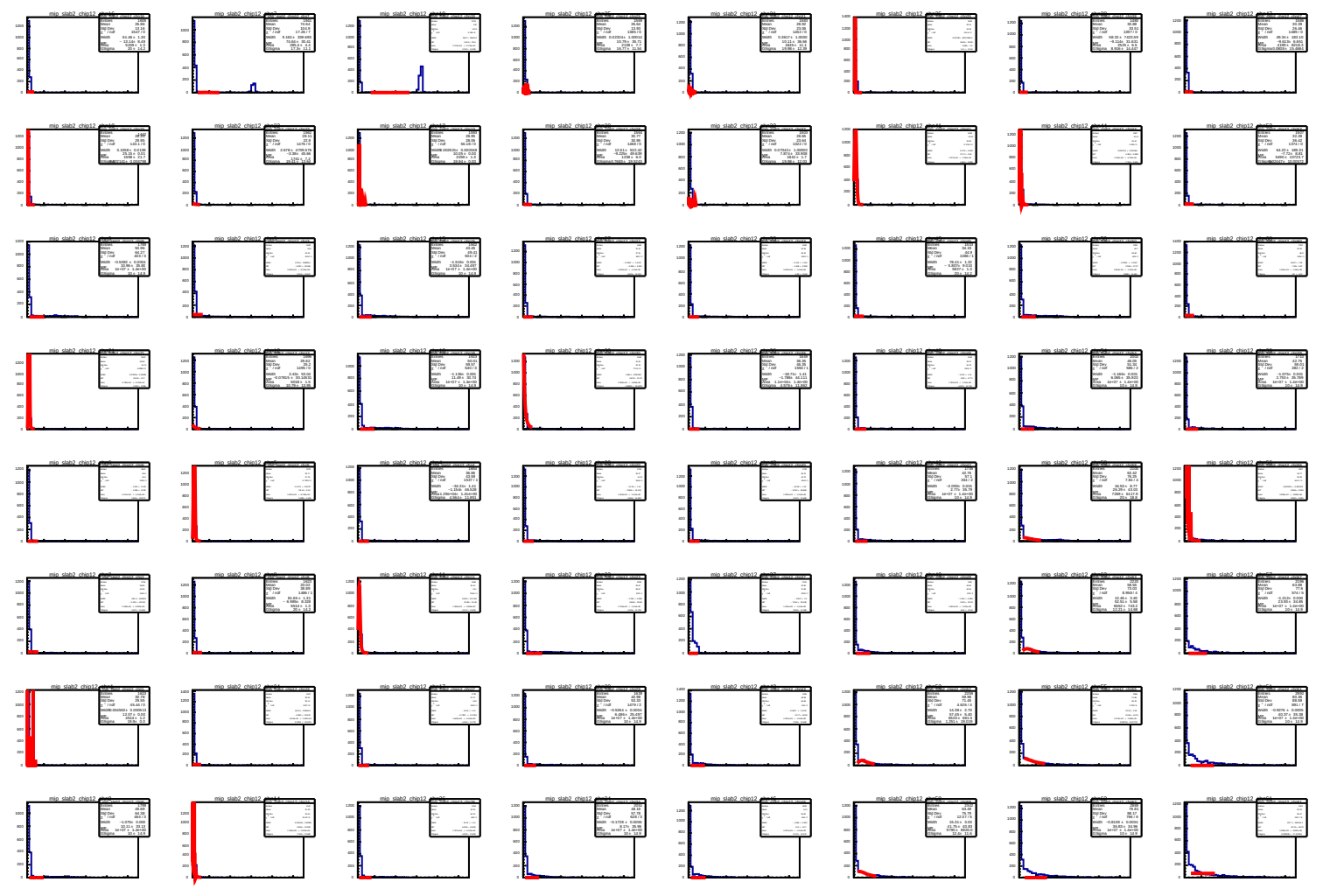
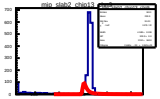
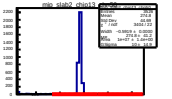
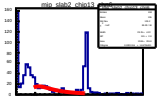
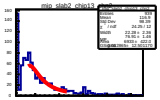

mip slab1 chip15 chan32
Entries 1457
Mean 111.1
Std Dev 20.93 ± 0.17
χ² / ndf 44.97 / 19
Width 20.09 ± 2.11
MPV 131.3 ± 3.1
Area 9700 ± 1.2
Sigma 4.109 ± 0.05
mip slab1 chip15 chan33
Entries 1457
Mean 111.1
Std Dev 20.93 ± 0.17
χ² / ndf 44.97 / 19
Width 20.09 ± 1.77
MPV 131.3 ± 3.1
Area 9700 ± 1.2
Sigma 4.109 ± 0.05
mip slab1 chip15 chan34
Entries 1457
Mean 111.1
Std Dev 20.93 ± 0.17
χ² / ndf 44.97 / 19
Width 20.09 ± 1.77
MPV 131.3 ± 3.1
Area 9700 ± 1.2
Sigma 4.109 ± 0.05
mip slab1 chip15 chan35
Entries 1457
Mean 111.1
Std Dev 20.93 ± 0.17
χ² / ndf 44.97 / 19
Width 20.09 ± 1.77
MPV 131.3 ± 3.1
Area 9700 ± 1.2
Sigma 4.109 ± 0.05
mip slab1 chip15 chan36
Entries 1457
Mean 111.1
Std Dev 20.93 ± 0.17
χ² / ndf 44.97 / 19
Width 20.09 ± 1.77
MPV 131.3 ± 3.1
Area 9700 ± 1.2
Sigma 4.109 ± 0.05
mip slab1 chip15 chan37
Entries 1457
Mean 111.1
Std Dev 20.93 ± 0.17
χ² / ndf 44.97 / 19
Width 20.09 ± 1.77
MPV 131.3 ± 3.1
Area 9700 ± 1.2
Sigma 4.109 ± 0.05
mip slab1 chip15 chan38
Entries 1457
Mean 111.1
Std Dev 20.93 ± 0.17
χ² / ndf 44.97 / 19
Width 20.09 ± 1.77
MPV 131.3 ± 3.1
Area 9700 ± 1.2
Sigma 4.109 ± 0.05
mip slab1 chip15 chan39
Entries 1457
Mean 111.1
Std Dev 20.93 ± 0.17
χ² / ndf 44.97 / 19
Width 20.09 ± 1.77
MPV 131.3 ± 3.1
Area 9700 ± 1.2
Sigma 4.109 ± 0.05
mip slab1 chip15 chan40
Entries 1457
Mean 111.1
Std Dev 20.93 ± 0.17
χ² / ndf 44.97 / 19
Width 20.09 ± 1.77
MPV 131.3 ± 3.1
Area 9700 ± 1.2
Sigma 4.109 ± 0.05




mip slab2 chip13


mip slab2 chip13


mip slab2 chip13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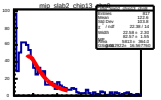
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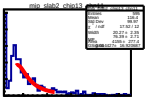
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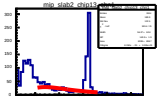
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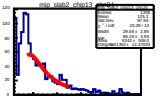
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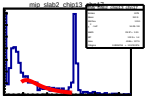
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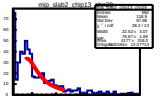
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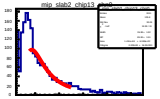
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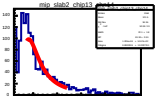
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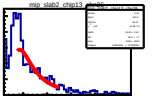
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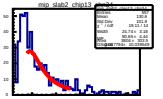
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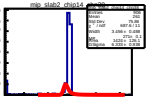
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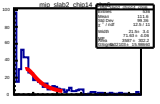
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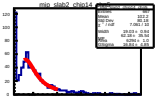
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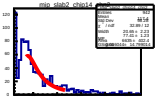
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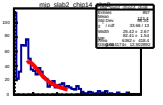
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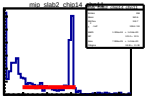
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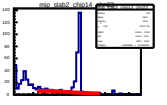
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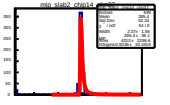
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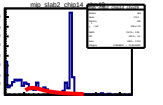
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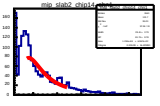
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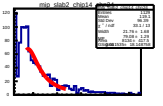
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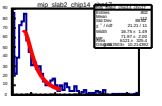
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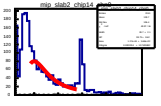
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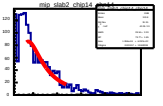
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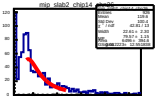
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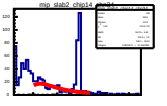
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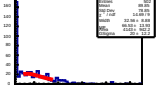
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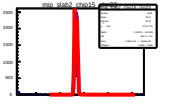
Entries 1000
Mean 99.86
Std Dev 14.69
χ² / ndf 33.56 / 8
Width 10.69 ± 0.89
MPV 53.61 ± 10.2
Integral 27 ± 12.2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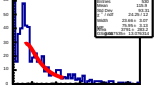
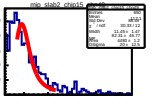

mip_slab2_chip15_chip15
Entries 1000
Mean 100.8
Std Dev 24.28
χ² / ndf 13.72 / 12
Width 23.66 ± 3.07
MPV 27.61 ± 2.8
Integral 2793 ± 104.2
Integral(MPV) 1410.2 ± 1.4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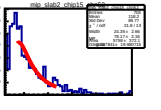
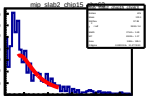
Entries 4000
Mean 30.93
Std Dev 12.12
χ² / ndf 42.31 / 17
Width 11.23 ± 1.17
MPV 42.31 ± 18.7
Integral 4000 ± 63.2
Integral(MPV) 2000 ± 1.4


mip_slab2_chip15_chip15
Entries 1000
Mean 19.12
Std Dev 9.13
χ² / ndf 39.78 / 11
Width 10.34 ± 0.45
MPV 59.57 ± 2.26
Integral 1000 ± 32.6
Integral(MPV) 1000 ± 1.4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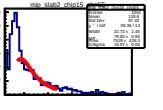
Entries 1000
Mean 19.12
Std Dev 9.13
χ² / ndf 39.78 / 11
Width 10.34 ± 0.45
MPV 59.57 ± 2.26
Integral 1000 ± 32.6
Integral(MPV) 1000 ± 1.4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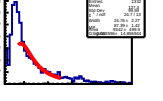
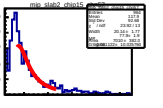
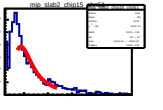
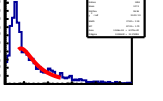
Entries 1000
Mean 19.12
Std Dev 9.13
χ² / ndf 39.78 / 11
Width 10.34 ± 0.45
MPV 59.57 ± 2.26
Integral 1000 ± 32.6
Integral(MPV) 1000 ± 1.4


mip_slab2_chip15_chip15
Entries 1000
Mean 19.12
Std Dev 9.13
χ² / ndf 39.78 / 11
Width 10.34 ± 0.45
MPV 59.57 ± 2.26
Integral 1000 ± 32.6
Integral(MPV) 1000 ± 1.4


mip_slab2_chip15_chip15
Entries 1000
Mean 19.12
Std Dev 9.13
χ² / ndf 39.78 / 11
Width 10.34 ± 0.45
MPV 59.57 ± 2.26
Integral 1000 ± 32.6
Integral(MPV) 1000 ± 1.4


mip_slab2_chip15_chip15
Entries 1000
Mean 19.12
Std Dev 9.13
χ² / ndf 39.78 / 11
Width 10.34 ± 0.45
MPV 59.57 ± 2.26
Integral 1000 ± 32.6
Integral(MPV) 1000 ± 1.4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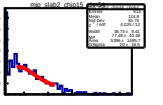
Entries 1000
Mean 19.12
Std Dev 9.13
χ² / ndf 39.78 / 11
Width 10.34 ± 0.45
MPV 59.57 ± 2.26
Integral 1000 ± 32.6
Integral(MPV) 1000 ± 1.4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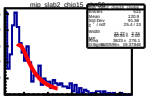
Entries 1000
Mean 19.12
Std Dev 9.13
χ² / ndf 39.78 / 11
Width 10.34 ± 0.45
MPV 59.57 ± 2.26
Integral 1000 ± 32.6
Integral(MPV) 1000 ± 1.4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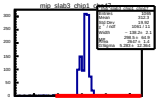
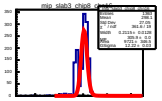
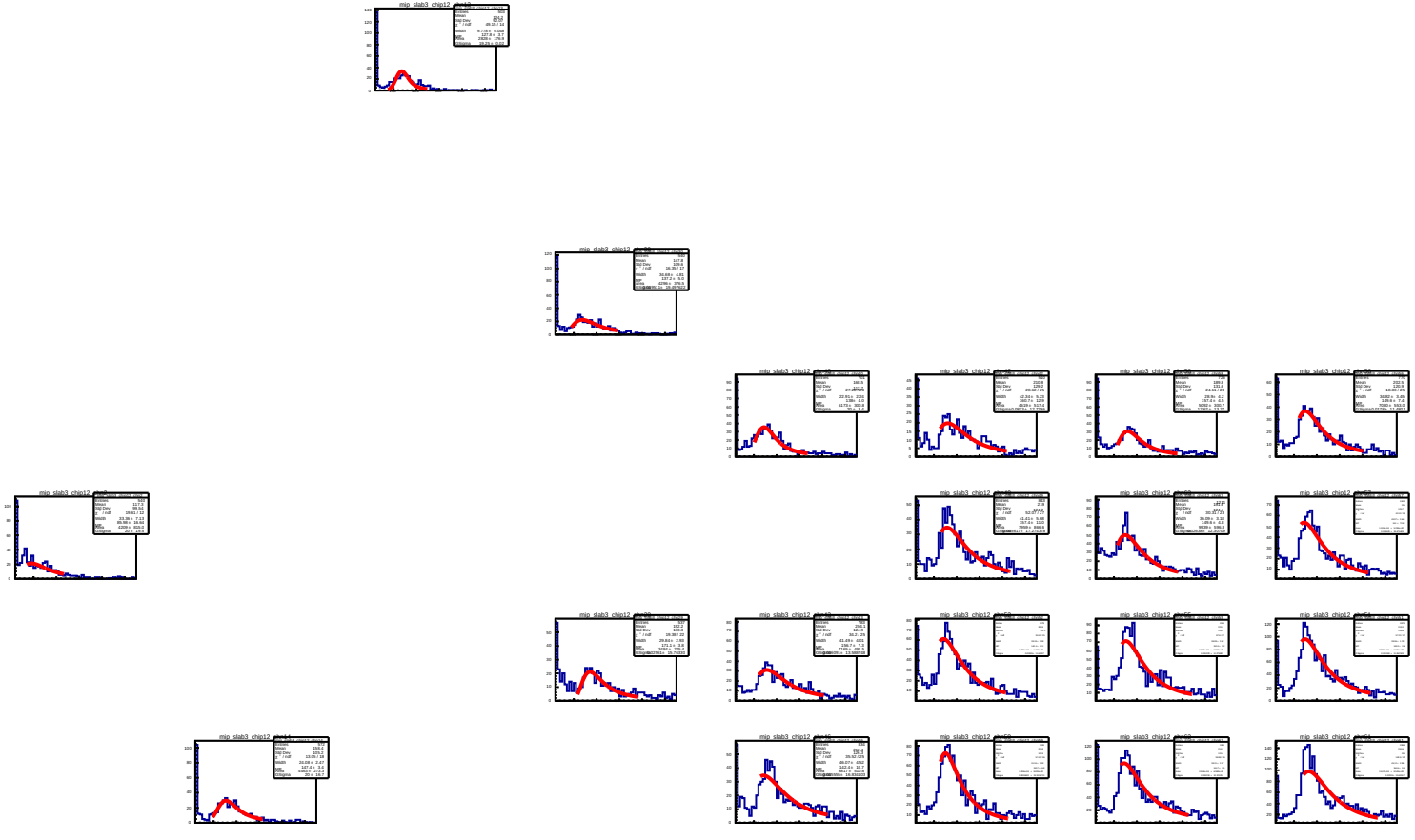
Entries 1000
Mean 19.12
Std Dev 9.13
χ² / ndf 39.78 / 11
Width 10.34 ± 0.45
MPV 59.57 ± 2.26
Integral 1000 ± 32.6
Integral(MPV) 1000 ± 1.4


mip_slab3_chist_chan3
Entries 1000
Mean 1.519
Std Dev 19.92
χ² / ndf 2083 / 71
Width 138.0e-3 ± 0.0
Area 2500 ± 0.0
Mpv 26.07 ± 0.0
Sigma 9.341 ± 0.0
300
250
200
150
100
50
0


msp_slab3_chp6_c4ch5
Entries 1000
Mean 2.51
Sigma 0.51
Peak Pos 27.05
Peak Amp 361.6 ± 19
Const 0.2133 ± 0.0128
Mean 2.51 ± 0.01
Sigma 0.514 ± 0.013
Chi2/ndf 12.32 / 13
350
300
250
200
150
100
50
0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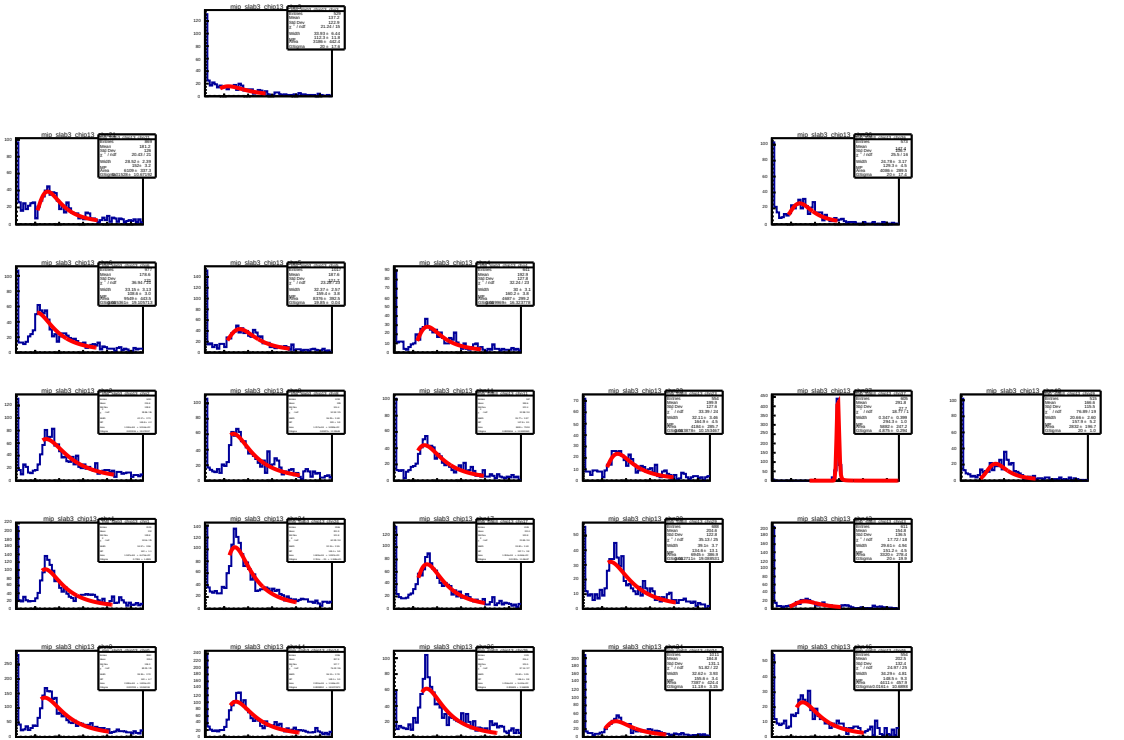
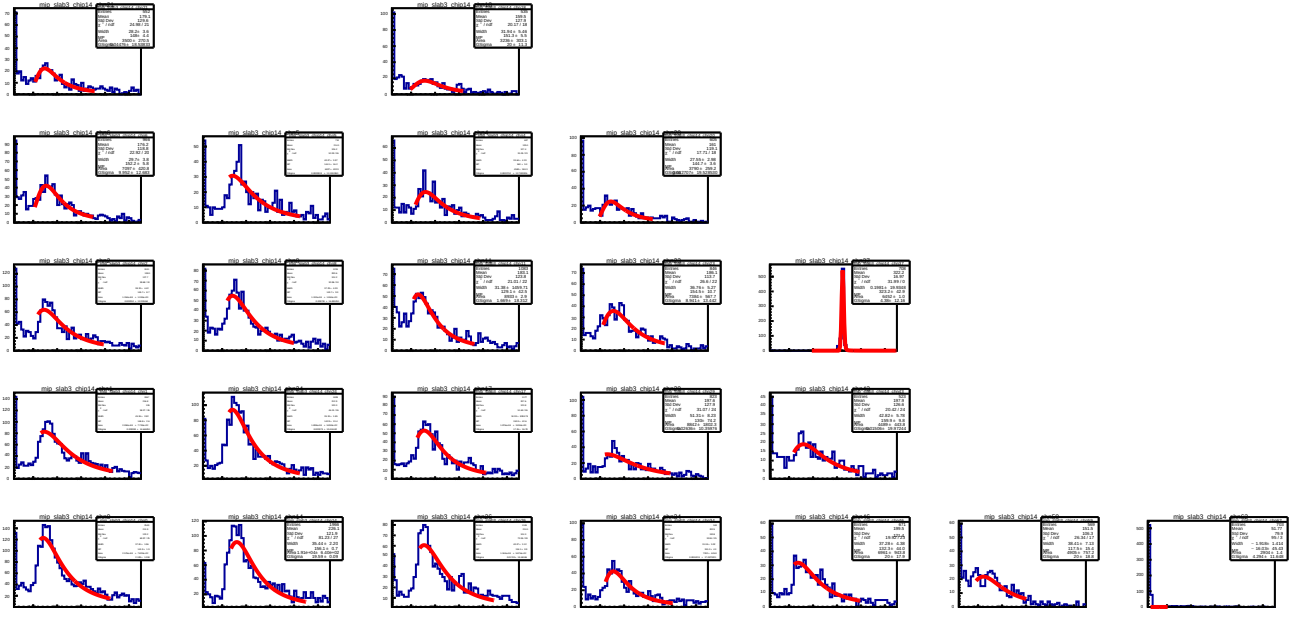
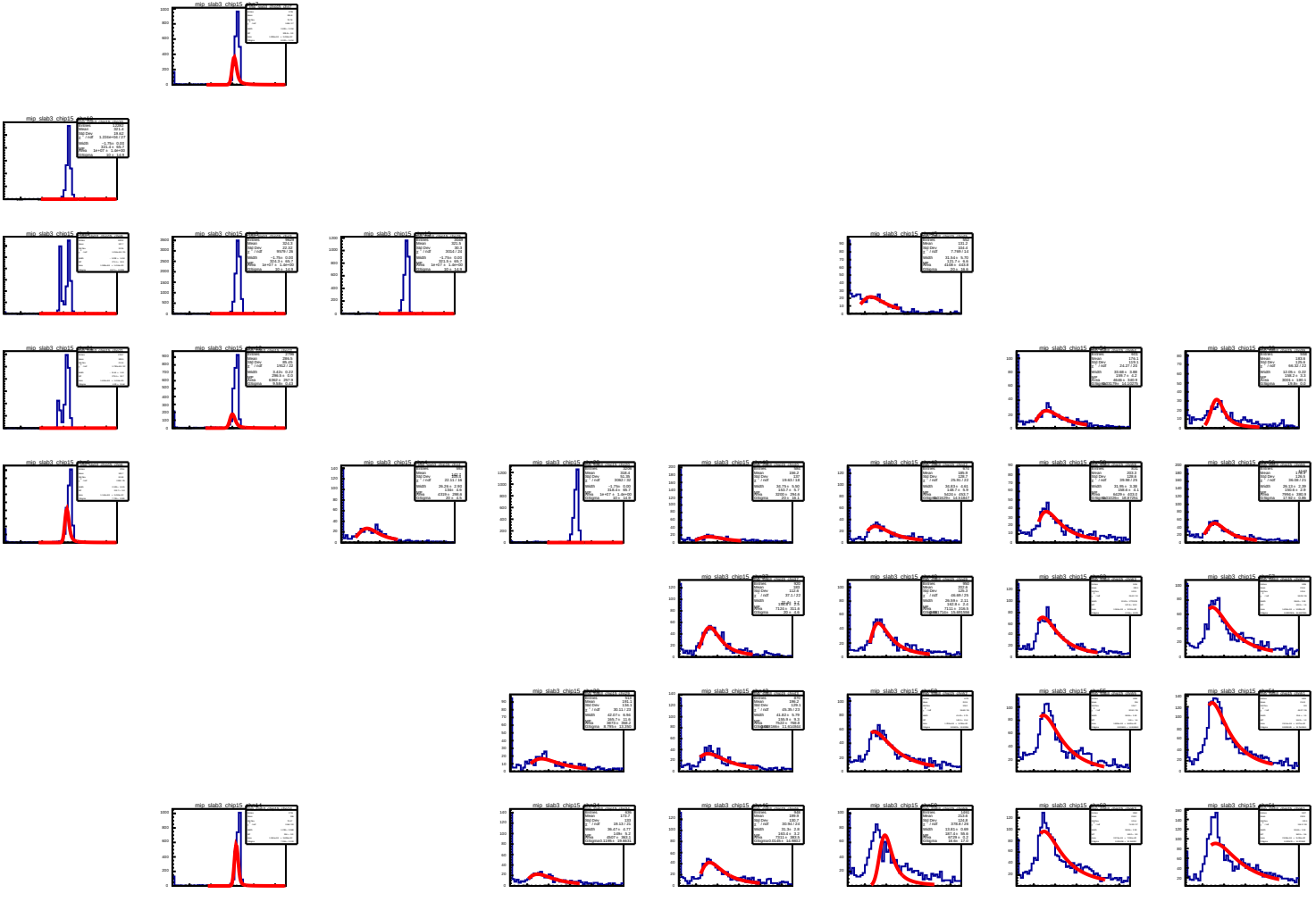
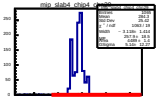
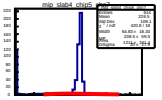
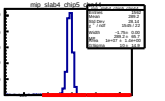


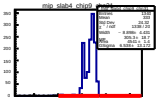


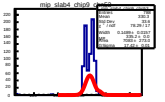


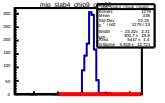

mip slab4 chip4 step20
Entries 1000
Mean 257.2
Std Dev 25.42
χ² / ndf 1.08
p0 3.139e+ 1.414
Mean 257.8 ± 18.6
Sigma 6.285 ± 1.12
Integral 6.285 ± 1.12
250
200
150
100
50
0

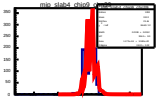

mip slab4 chip5 chan2
Entries 2000
Mean 2000.4
Std Dev 2.01
χ² / ndf 320.8 / 18
Width 0.8014 ± 0.0178
Mean 2000.4 ± 0.0
Integral 1710.0 ± 40.6

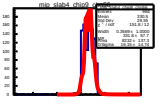

mip slab4 chip5 chan3
Entries 2000
Mean 2000.2
Std Dev 2.01
χ² / ndf 1540.0 / 13
Width 0.7511 ± 0.0192
Mean 2000.2 ± 0.0
Integral 1.14e+07 ± 1.2e+05

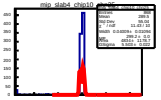

mip_slab4_chip0_ch24
Entries 122
Mean 21.02
Std Dev 13.91
χ² / ndf 13.91 / 21
Prob 0.8594
Constant 0.420 ± 0.0
Mean 21.0 ± 1.4
Sigma 4.0 ± 1.2

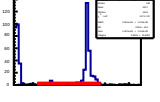
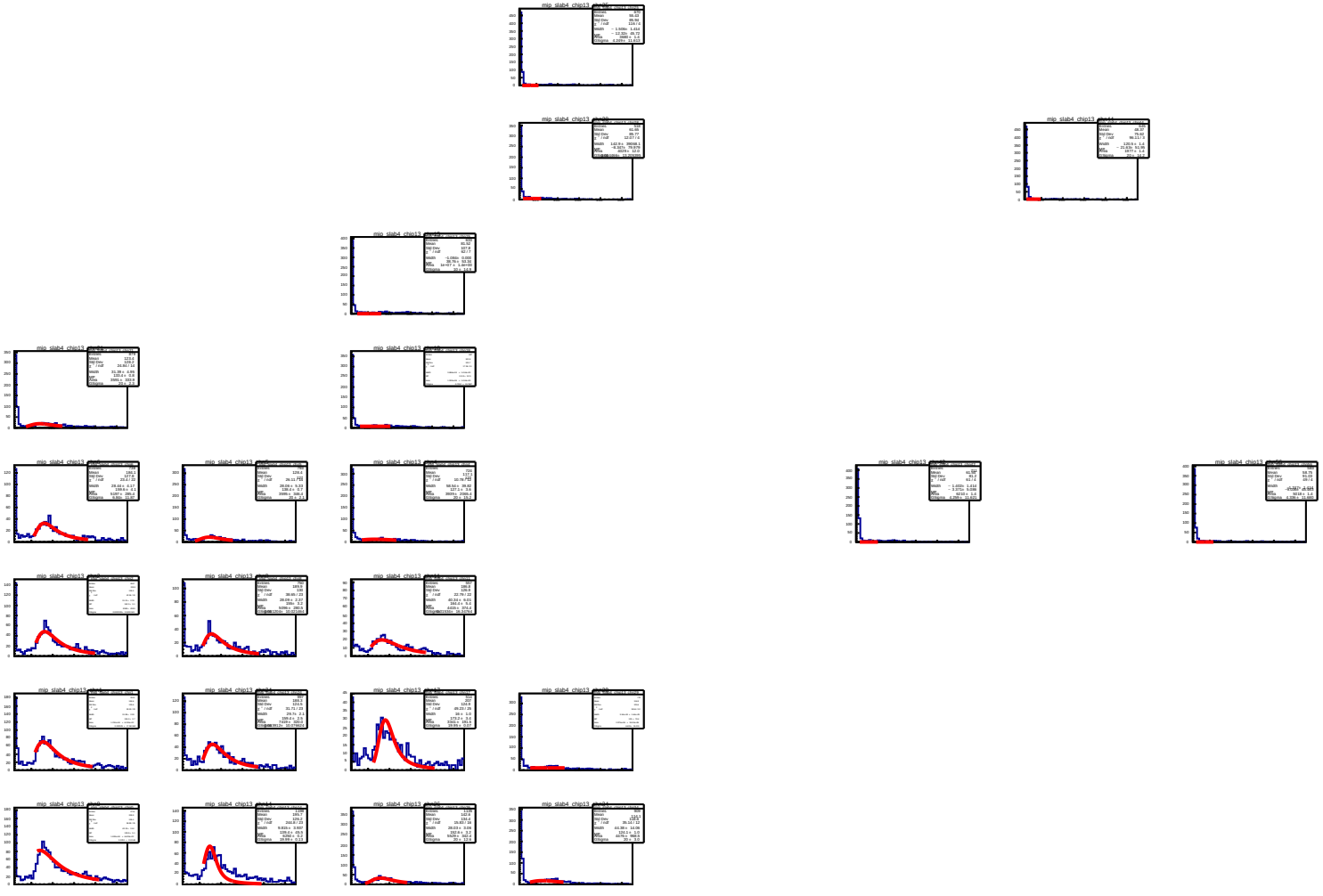
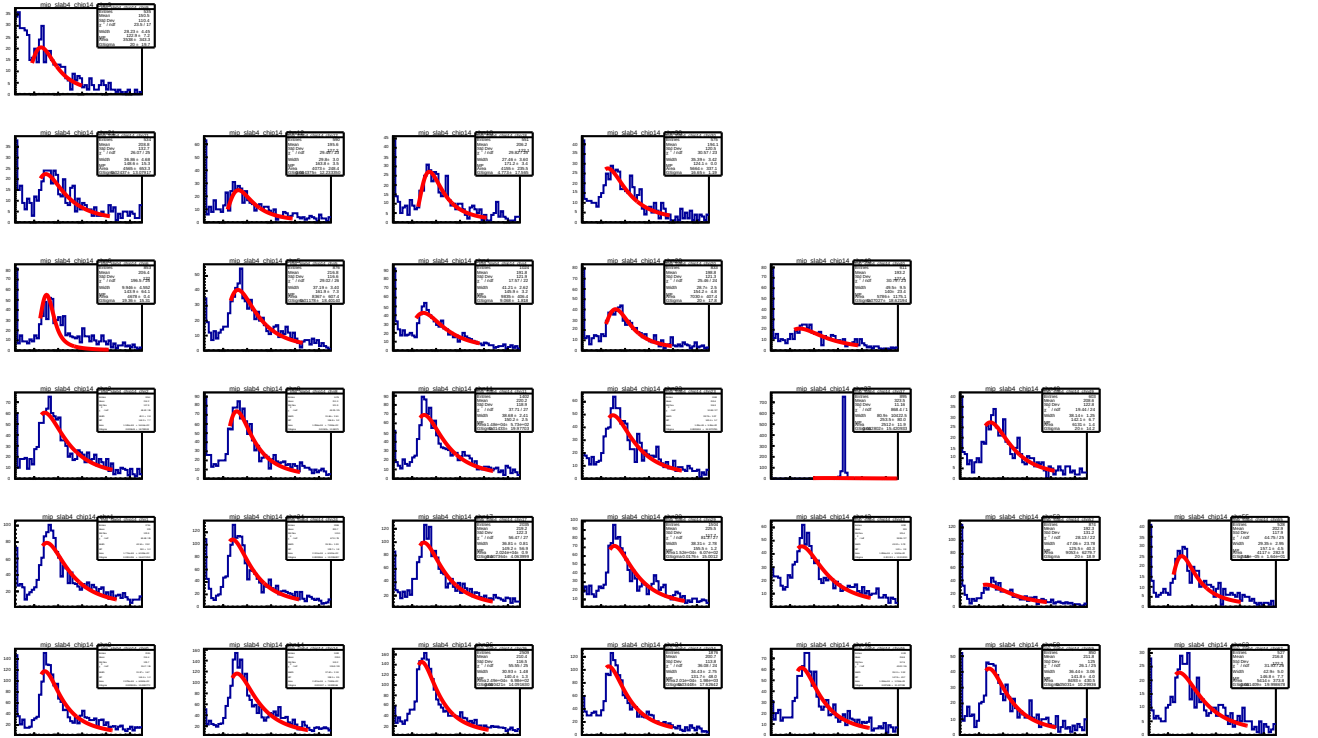
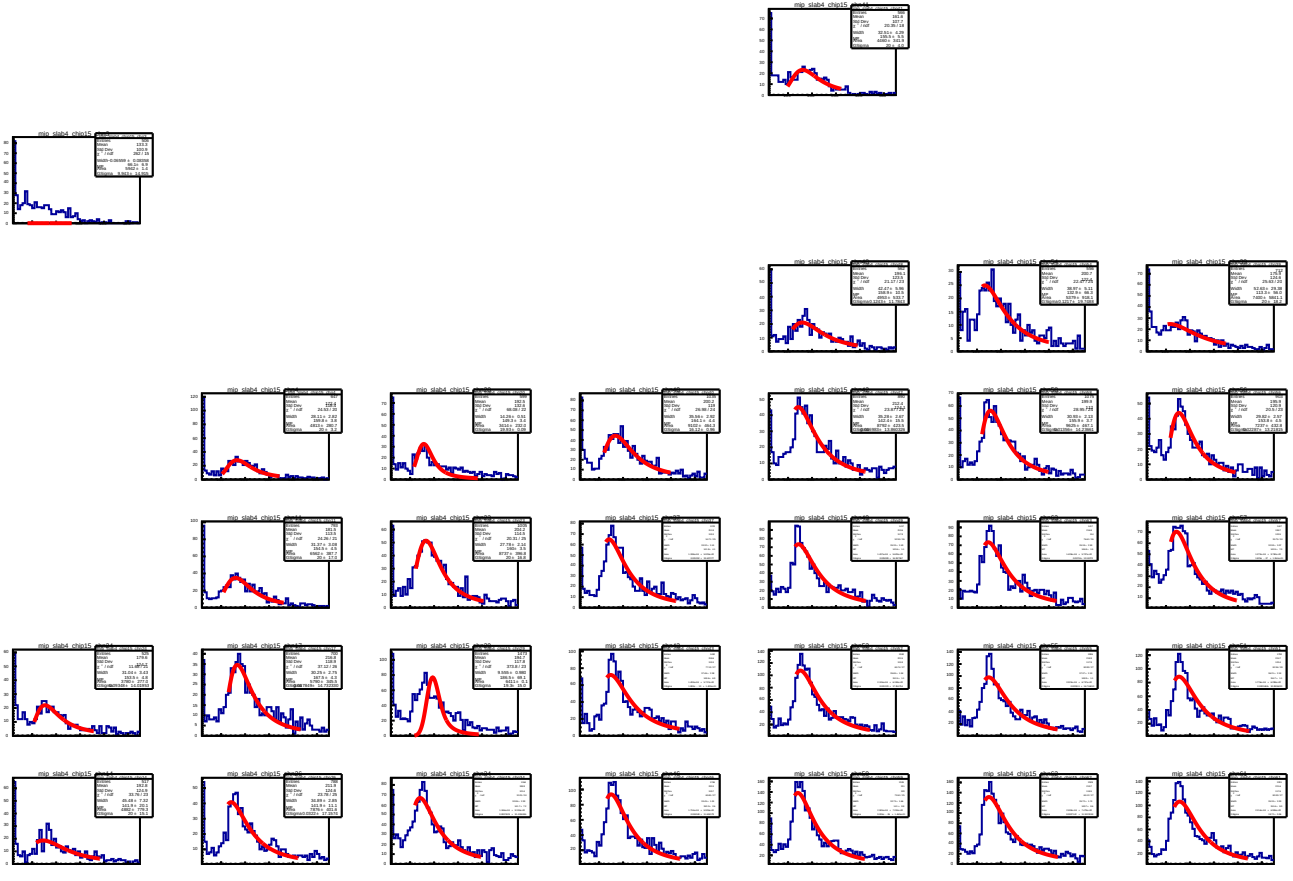

mip_slab4_chip0_ch25
Entries 1 0.0
Mean 0.0
Std Dev 0.0
χ² / ndf 79.28 / 17
Prob 0.1486
Constant 0.0167 ± 0.0
Mean 0.00 ± 0.0
Sigma 17.64 ± 0.0


mip_slab4_chip0_ch26
Entries 1 0.0
Mean 0.0
Std Dev 0.0
χ² / ndf 12.92 / 15
Prob 0.5591
Constant 0.0556 ± 0.0
Mean 0.00 ± 0.0
Sigma 0.0556 ± 0.0


mip_slab4_chip0_ch27
Entries 1 0.0
Mean 0.0
Std Dev 0.0
χ² / ndf
Prob
Constant
Mean
Sigma


mip_slab4_chip0_ch28
Entries 1 0.0
Mean 0.0
Std Dev 0.0
χ² / ndf 151.8 / 12
Prob
Constant 0.3686 ± 0.000
Mean 0.00 ± 0.0
Sigma 0.000 ± 1.414
Sigma 0.000 ± 0.0


mip slab4 chip10 gain50
Entries 2000
Mean 28.12
Std Dev 21.03 ± 0.47
Width 0.1033 ± 0.0100
Peak 2000 ± 44.7
Area 206211 ± 4616.1
Sigma 0.7833 ± 0.0100


mip slab4 chip10 gain10