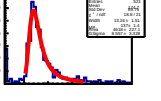
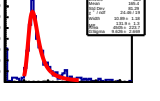
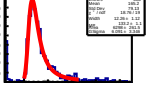
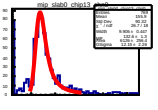
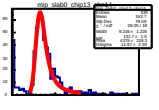
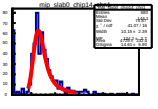

mip slab0 chip12 chan5
Entries 7594
Mean 8.874
Std Dev 2.75
χ² / ndf 13.24 / 11
Width 13.24 ± 1.11
MPV 10.71 ± 0.4
Area 49325 ± 2.4
Sigma 0.937 ± 0.03

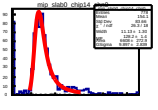

mip slab0 chip12 chan3
Entries 3935
Mean 28.03
Std Dev 8.17
χ² / ndf 24.49 / 19
Width 10.89 ± 1.16
MPV 12.76 ± 0.7
Area 45859 ± 2.01.7
Sigma 0.928 ± 0.03

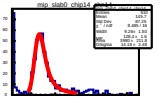

mip slab0 chip12 chan4
Entries 1967
Mean 14.12
Std Dev 3.73
χ² / ndf 16.76 / 13
Width 12.39 ± 1.13
MPV 10.78 ± 0.6
Area 50387 ± 24.7
Sigma 0.941 ± 0.03

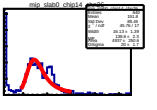

mip_slab0_chip13_chan5
Entries 1000
Mean 333.0
RMS 29.77
χ2 / ndf 26.77 / 18
Width 9.936 ± 0.407
MPV 333.1 ± 0.3
Area 6159 ± 245.2
Sigma 12.16 ± 0.24

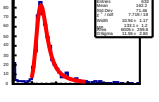

mip_slab0_chip13_chan14
Entries 1000
Mean 24.57
RMS 10.19
χ2 / ndf 28.28 / 15
Width 9.245 ± 1.325
MPV 24.57 ± 0.3
Area 4370 ± 245.5
Sigma 11.97 ± 0.24

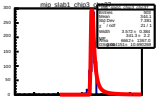

mip_slab0_chip14_chan1
Entries 1194
Mean 13.97
Std Dev 13.97
χ² / ndf 41.02 / 19
Width 13.19 ± 2.39
MPV 13.27 ± 0.61
Integral 12.03 ± 0.52

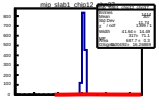

mip_slab0_chip14_chan2
Entries 1194
Mean 9.61
Std Dev 9.61
χ² / ndf 26.57 / 18
Width 11.15 ± 1.20
MPV 8.87 ± 0.25
Integral 8.889 ± 2.23
σ 0.897 ± 0.035

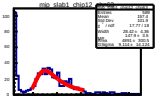

mip_slab0_chip14_chan3
Entries 1194
Mean 14.57
Std Dev 14.57
χ² / ndf 9.180 / 15
Width 9.29 ± 1.50
MPV 14.19 ± 0.34
Integral 3.982 ± 10.5
σ 1.000 ± 0.034

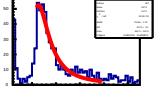

mip_slab0_chip14_chan4
Entries 1194
Mean 39.18
Std Dev 39.18
χ² / ndf 45.70 / 17
Width 16.13 ± 1.29
MPV 25.17 ± 0.42
Integral 4107 ± 240.0
σ 25.17 ± 0.2

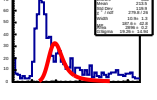

mip slab0 chip15
Entries 1000
Mean 1.67
Mean x 1.67
χ² / ndf 7.720 / 13
Width 0.561 ± 1.17
Sigma 0.238 ± 0.0
MPV 0.025 ± 0.0
Sigma 0.190 ± 0.0

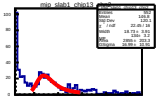

mip_slab1_chip3_ch13
Entries 1000
Mean 3.04
Mean x 315.1
Std Dev 2.21
Integral 1.000e+3
Peak 0.5721 ± 0.3868
Mean 315.9 ± 2.2
Sigma 1.000 ± 0.000
Chi2 / ndf 1.000 / 0.000
300
250
200
150
100
50
0

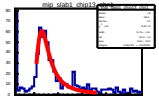

mip slab1 chip12 strip3
Entries 1047
Mean 1.047
Std Dev 0.0271
Const 41.66 ± 10.08
MPV 1.01 ± 71.6
Sigma 0.0271 ± 0.0
Chi2/ndof 12.5/8.0

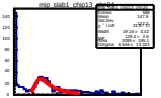

mip slab1 chip12 strip3
Entries 1047
Mean 17.77
Std Dev 17.77/18
Const 29.22 ± 2.56
MPV 1.07 ± 3.6
Sigma 0.0271 ± 0.0
Chi2/ndof 8.0/11.0/13.0

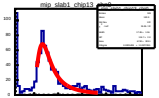

mip slab1 chip12 strip5

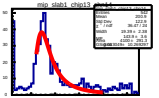

mip slab1 chip12 strip6
Entries 2101
Mean 2.101
Std Dev 278.0/15
Const 101.6 ± 1.0
MPV 1.01 ± 0.7
Sigma 0.0271 ± 0.0
Chi2/ndof 15.0/11.0/13.0

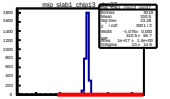

mip slab1 chip13 strip1
Entries 1214
Mean 113.5
Std Dev 22.49
χ² / ndf 19.73 / 3.01
width 19.4 ± 2.2
MPV 24.0 ± 0.6
Integral 33.90 ± 33.52

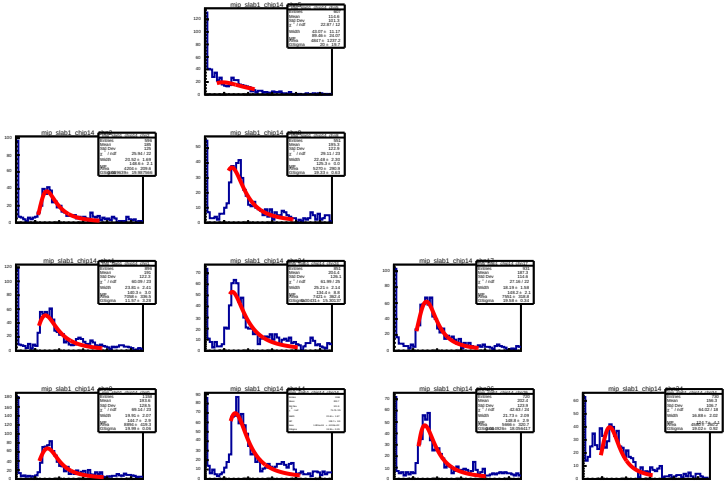

mip slab1 chip13 strip2
Entries 1214
Mean 127.2
Std Dev 14.77
χ² / ndf 15.14 / 3.17
width 12.6 ± 2.6
MPV 15.0 ± 0.4
Integral 0.0000 ± 0.0000


mip slab1 chip13 strip3
Entries 1214
Mean 127.2
Std Dev 14.77
χ² / ndf 15.14 / 3.17
width 12.6 ± 2.6
MPV 15.0 ± 0.4
Integral 0.0000 ± 0.0000


mip slab1 chip13 strip4
Entries 1214
Mean 113.5
Std Dev 22.49
χ² / ndf 19.73 / 3.01
width 19.4 ± 2.2
MPV 24.0 ± 0.6
Integral 33.90 ± 33.52


mip slab1 chip13 strip5
Entries 1214
Mean 113.5
Std Dev 22.49
χ² / ndf 19.73 / 3.01
width 19.4 ± 2.2
MPV 24.0 ± 0.6
Integral 33.90 ± 33.52


mip slab1 chip13 strip6
Entries 1214
Mean 1214
Std Dev 35.0
χ² / ndf 3021.7 / 2
width 0.279 ± 0.010
MPV 1319.5 ± 66.7
Integral 64.7 ± 1.7
Integral 0.1 ± 0.0


mip slab1 chip14
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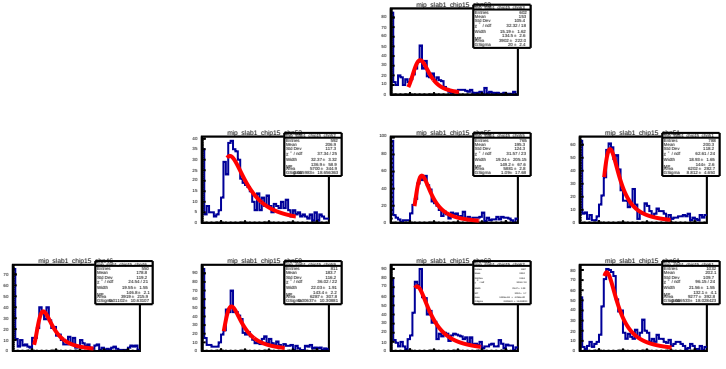
mip slab1 chip15 chan32
mip slab1 chip15 chan33
mip slab1 chip15 chan34
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mip slab1 chip15 chan36
mip slab1 chip15 chan37
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mip slab1 chip15 chan39
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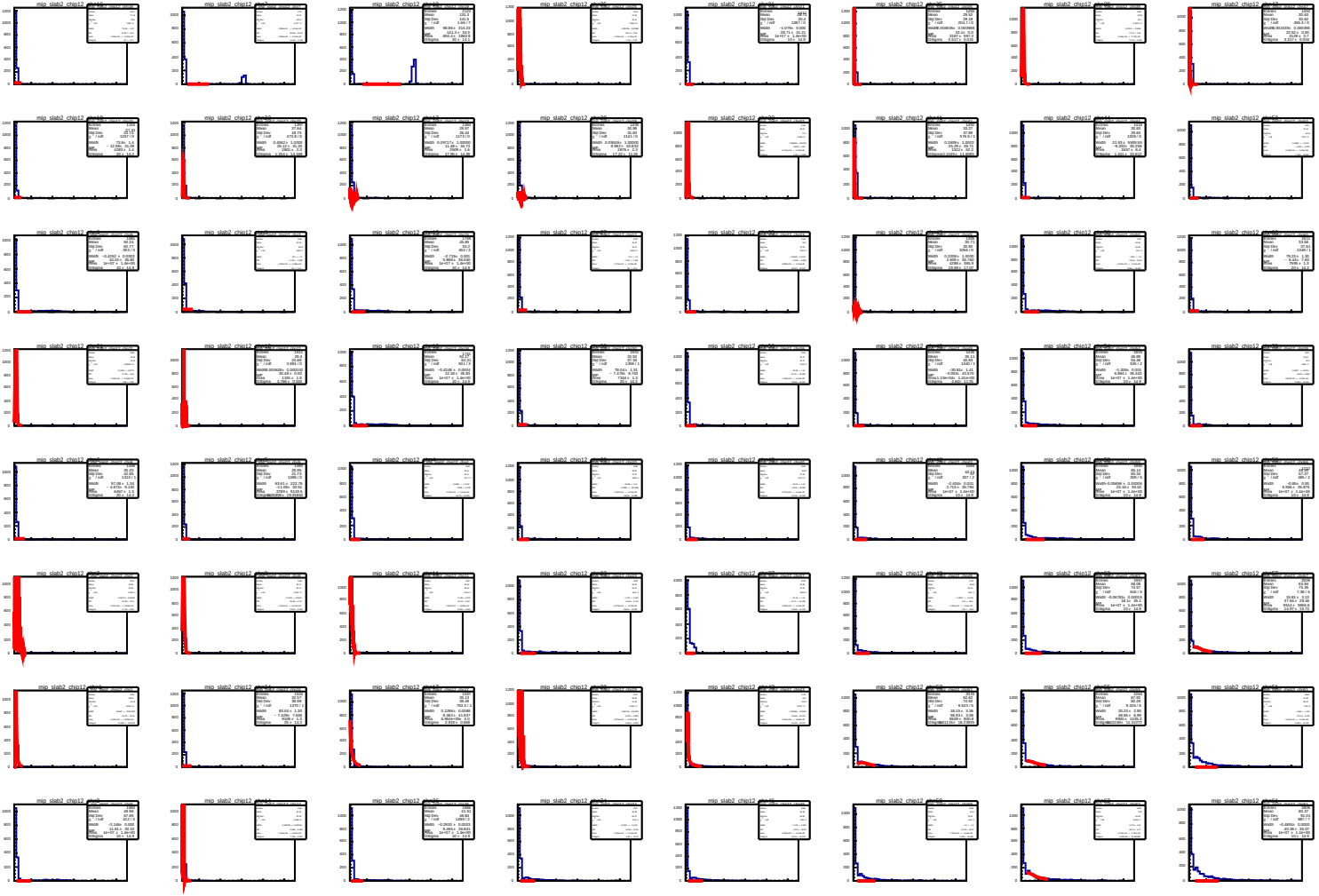
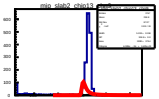
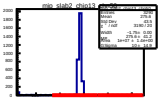
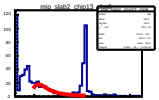
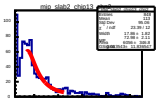
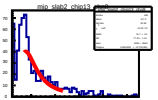



mip_slab2_chip13


mip_slab2_chip13


mip_slab2_chip13


mip_slab2_chip13
Entries 224
Mean 19.57
Std Dev 10.12
χ² / ndf 25.28 / 12
Prob 0.013
width 17.08 ± 1.62
MPV 72.98 ± 2.13
Area 1.0e+04 ± 1.0e+03
Constant 11.4 ± 0.60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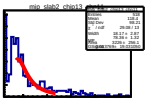
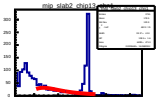

mip_slab2_chip13
Entries 224
Mean 19.57
Std Dev 10.12
χ² / ndf 29.08 / 13
Prob 0.006
width 23.17 ± 2.67
MPV 79.94 ± 1.32
Area 1.0e+04 ± 1.0e+03
Constant 11.7 ± 0.70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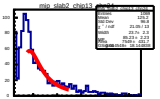
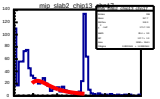
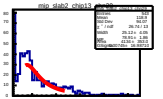
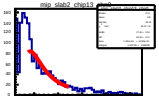
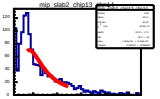
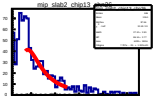

mip_slab2_chip13
Entries 1227
Mean 39.4
Std Dev 20.98
χ² / ndf 23.7 / 13
Prob 0.03
width 35.23 ± 2.23
MPV 86.23 ± 2.2
Area 1.0e+04 ± 1.0e+03
Constant 79.4 ± 4.0

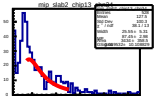

mip_slab2_chip13

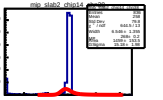

mip_slab2_chip13
Entries 1227
Mean 39.4
Std Dev 20.98
χ² / ndf 19.7 / 13
Prob 0.1
width 35.23 ± 2.23
MPV 78.95 ± 1.36
Area 1.0e+04 ± 1.0e+03
Constant 79.4 ± 4.0

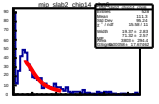

mip_slab2_chip13


mip_slab2_chip13


mip_slab2_chip13


mip_slab2_chip13
Entries 1227
Mean 39.4
Std Dev 20.98
χ² / ndf 38.7 / 13
Prob 0.0
width 29.95 ± 5.31
MPV 86.23 ± 2.2
Area 1.0e+04 ± 1.0e+03
Constant 79.4 ± 4.0


mip_slab2_chip14_chan32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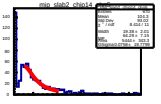
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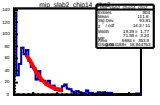
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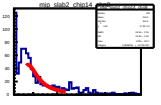
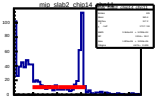

mip_slab2_chip14_chan3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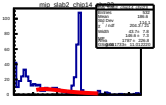
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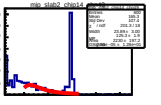
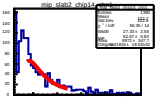
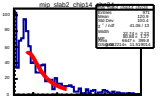
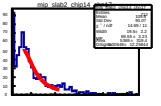
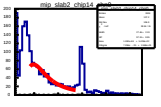
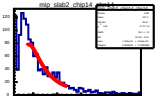

mip_slab2_chip14_chan6

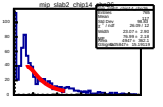

mip_slab2_chip14_chan7

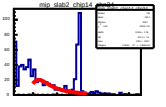

mip_slab2_chip14_chan8

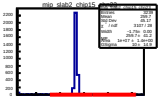

mip_slab2_chip14_chan9

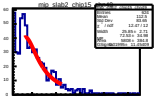

mip_slab2_chip14_chan10

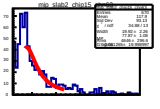

mip_slab2_chip14_chan11

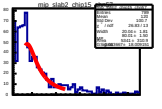

mip_slab2_chip14_chan12

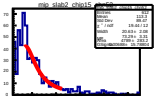

mip_slab2_chip14_chan13

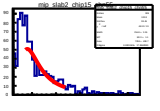

mip_slab2_chip15_chan32
Entries 2000
Mean 2000
Std Dev 0.0
χ² / ndf 3187 / 98
Width -1.7e- 5(0)
Mean -19.7 ± 21.2
MPV 14.07 ± 0.01
Integral 2.0 ± 0.0

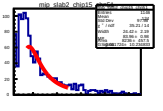

mip_slab2_chip15_chan33
Entries 1000
Mean 1000
Std Dev 0.0
χ² / ndf 12.47 / 12
Width 25.93 ± 2.71
Mean 72.93 ± 34.58
MPV 14.07 ± 0.01
Integral 1.0 ± 0.0

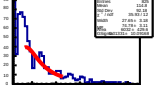

mip_slab2_chip15_chan34
Entries 1000
Mean 1000
Std Dev 0.0
χ² / ndf 34.88 / 13
Width 23.92 ± 2.26
Mean 77.87 ± 1.08
MPV 14.07 ± 0.01
Integral 1.0 ± 0.0

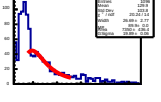

mip_slab2_chip15_chan35
Entries 1000
Mean 1000
Std Dev 0.0
χ² / ndf 29.83 / 14
Width 20.04 ± 1.81
Mean 80.01 ± 1.50
MPV 14.07 ± 0.01
Integral 1.0 ± 0.0

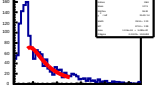

mip_slab2_chip15_chan36
Entries 1000
Mean 1000
Std Dev 88.02
χ² / ndf 8.12 / 15
Width 33.63 ± 2.05
Mean 23.39 ± 3.31
MPV 83.96 ± 0.86
Integral 1.0 ± 0.0

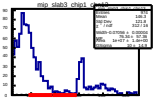

mip_slab2_chip15_chan37
Entries 1000
Mean 1000
Std Dev 0.0
χ² / ndf 11.14 / 16
Width 31.47 ± 2.14
Mean 33.96 ± 0.56
MPV 83.96 ± 0.86
Integral 1.0 ± 0.0

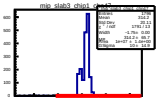

mip_slab2_chip15_chan38
Entries 1000
Mean 1000
Std Dev 0.0
χ² / ndf 9.77 / 17
Width 33.96 ± 2.16
Mean 83.96 ± 0.86
MPV 83.96 ± 0.86
Integral 1.0 ± 0.0

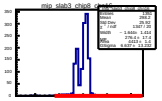

mip_slab2_chip15_chan39
Entries 1000
Mean 1000
Std Dev 0.0
χ² / ndf 20.47 / 18
Width 27.93 ± 3.15
Mean 33.96 ± 0.56
MPV 83.96 ± 0.86
Integral 1.0 ± 0.0

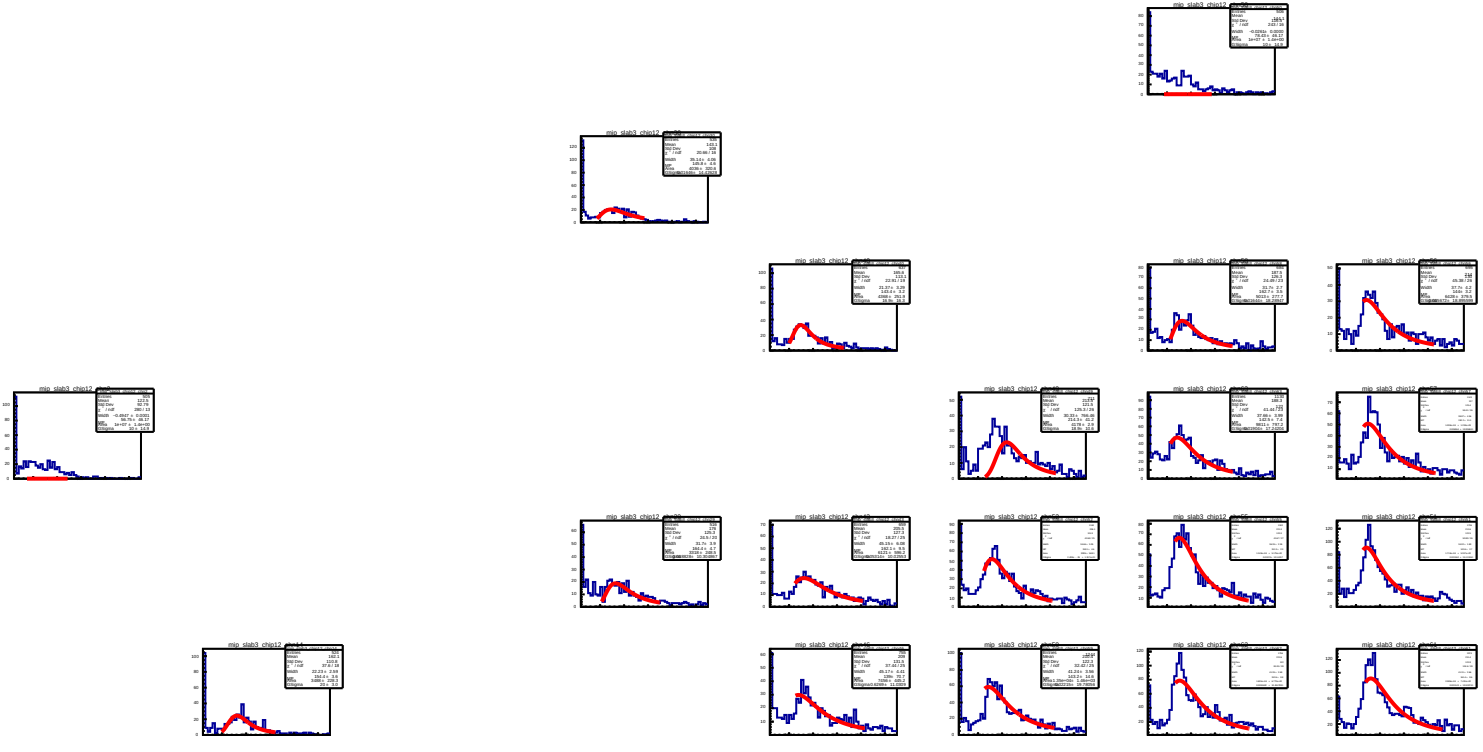

mip_slab2_chip15_chan40
Entries 1000
Mean 1000
Std Dev 0.0
χ² / ndf 20.47 / 19
Width 26.89 ± 3.77
Mean 33.96 ± 0.56
MPV 73.93 ± 26.2
Integral 19.93 ± 0.0


mip_slab2_chip15_chan41
Entries 1000
Mean 1000
Std Dev 0.0
χ² / ndf 0.0 / 20
Width -1.0e- 5(0)
Mean -1.0e- 5(0)
MPV -1.0e- 5(0)
Integral -1.0e- 5(0)


mip slab3 chip1 channel0
Entries 1000
Mean 116.3
Std Dev 22.13
χ² / ndf 3727.14
Width 0.0000 ± 0.0000
Mean 0.0000 ± 0.0000
Sigma 1e-07 ± 1e-05
Integral 20.0 ± 0.0


mip slab3 chip1 channel0
Entries 1000
Mean 116.3
Std Dev 22.13
χ² / ndf 3761.13
Width 0.0000 ± 0.0000
Mean 0.0000 ± 0.0000
Sigma 1e-07 ± 1.4142
Integral 20.0 ± 0.0


msp_slab3_chip8_strip5
Entries 1000
Mean 29.52
Std Dev 1327.70
Underflow 0
Overflow 0
Integral 1000
350
300
250
200
150
100
50
0


mip slab3 chip12
mip slab3 chip12
mip slab3 chip12
mip slab3 chip12
mip slab3 chip12
mip slab3 chip12
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mip slab3 chip12
mip slab3 chip12
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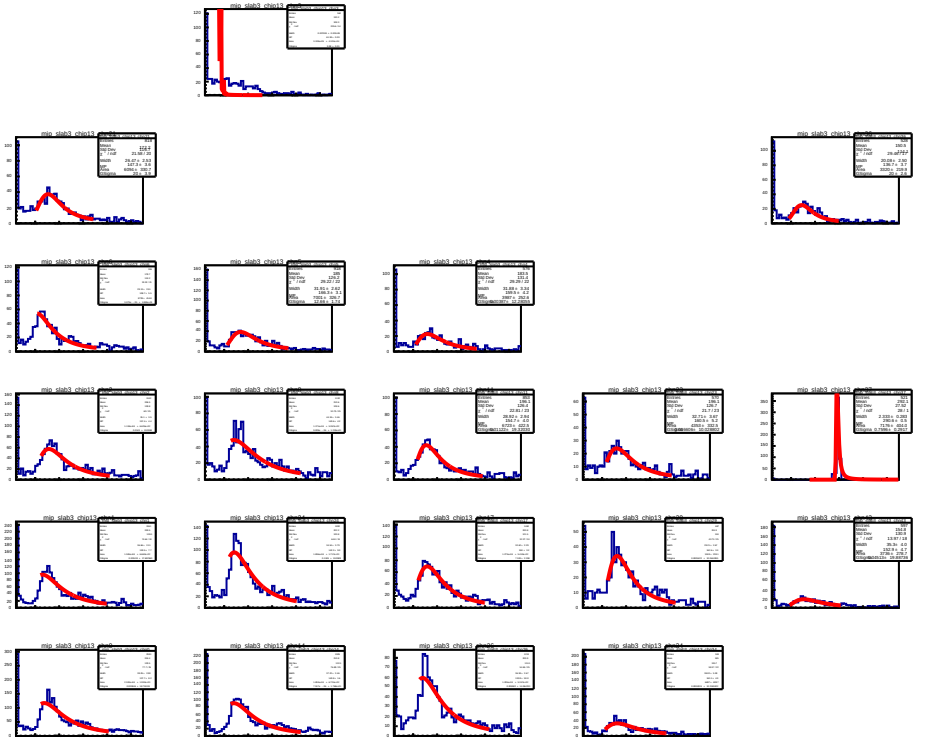
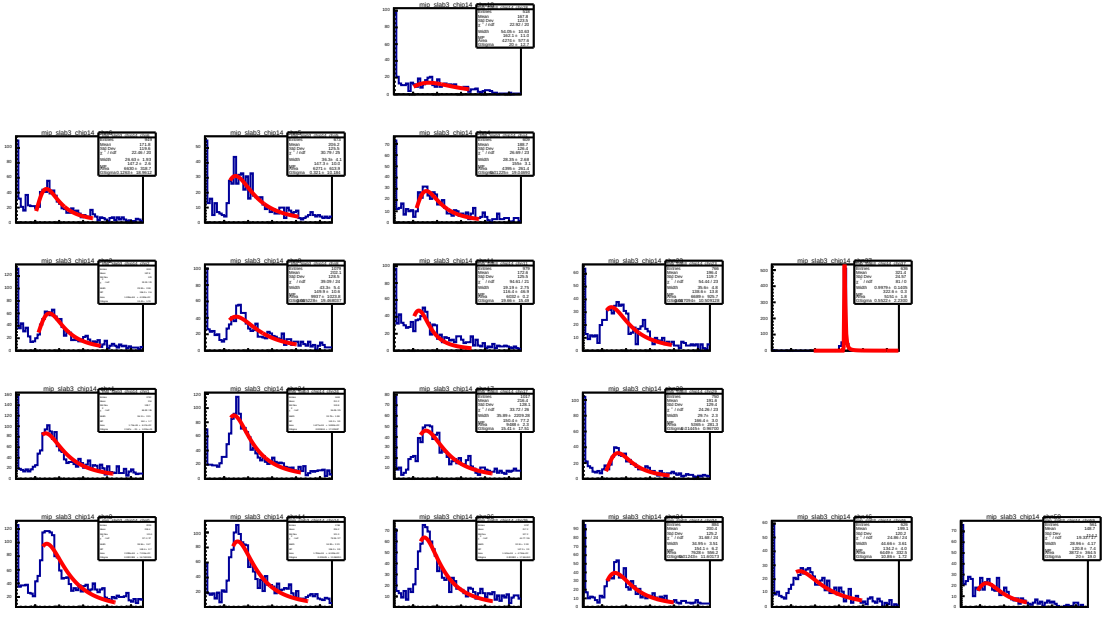
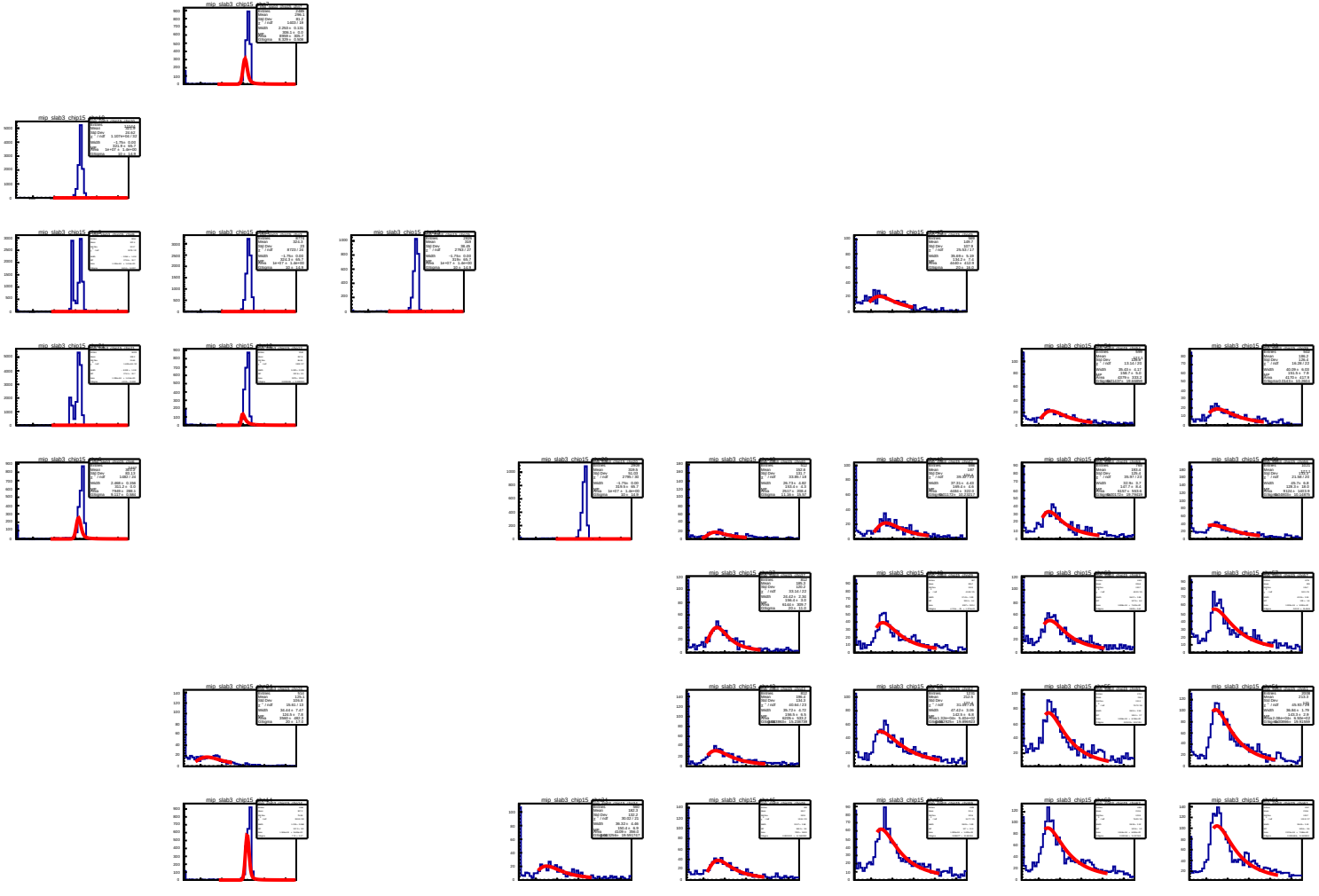
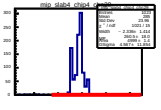
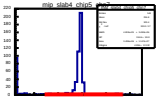
mip slab3 chip12

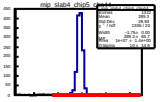


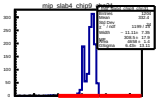

mip slab3 chip14
mip slab3 chip14
mip slab3 chip14

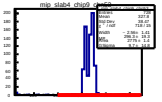


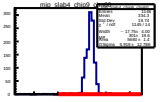

mip slab4 chb4 ptm20
Entries 1000
Mean 2.02
Std Dev 23.16
χ² / ndf 1.08 / 1
p0 2.338e+ 3.414
p1 2923.9 ± 22.0
p2 -0.0000 ± 0.000
p3 -1.0000 ± 0.000
300
250
200
150
100
50
0

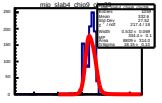

mip slab4 chip5 chan5
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 1000.0
Skewness nan
Kurtosis nan
Mean x 0.0000e+00
Mean y 1.0000e+03
RMS x 0.0000e+00
RMS y 0.0000e+00

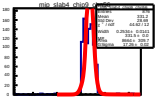

mip slab4 chip5 chan5
Entries 1000
Mean 299.0
Underflow 0
Overflow 0
Integral 1000.0
χ2 / ndf 0.00 / 0
Prob 0.00
Mean x 299.0
Mean y 1.0000e+03
RMS x 2.0000e+00
RMS y 0.0000e+00

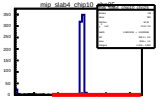

mip_slab4_chip0_chan24
Entries 1000
Mean 22.12
Std Dev 2.77
χ² / ndf 1196 / 27
Const − 11.11± 7.26
MPV 22.07 ± 0.02
Width 2.04 ± 0.02
Sigma 0.291 ± 0.01

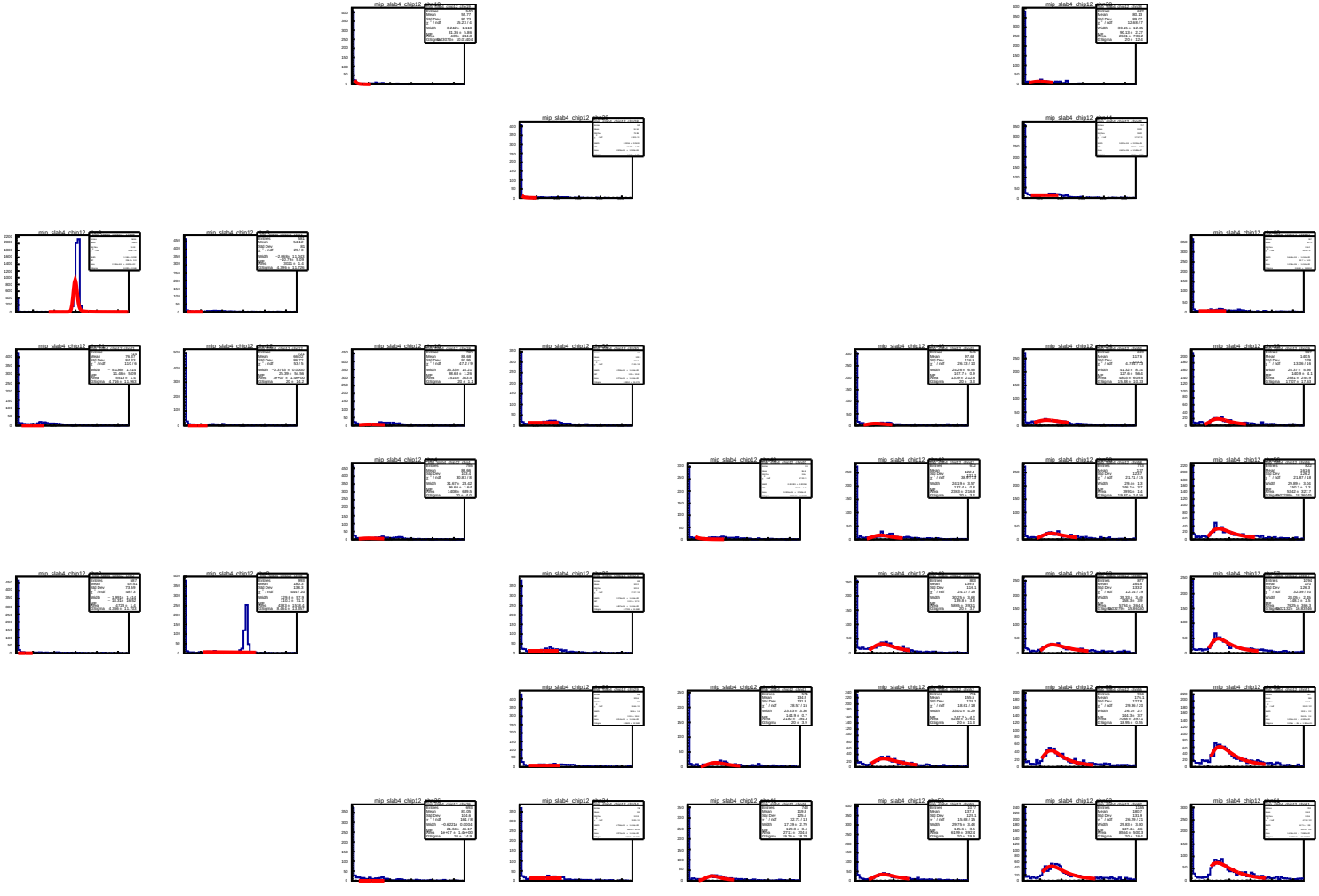

mip_slab4_chip0_chan25
Entries 1000
Mean 12.8
Std Dev 2.77
χ² / ndf 718 / 21
Const − 2.58± 1.41
MPV 12.79 ± 0.02
Width 0.74 ± 0.02
Sigma 0.0 ± 0.01

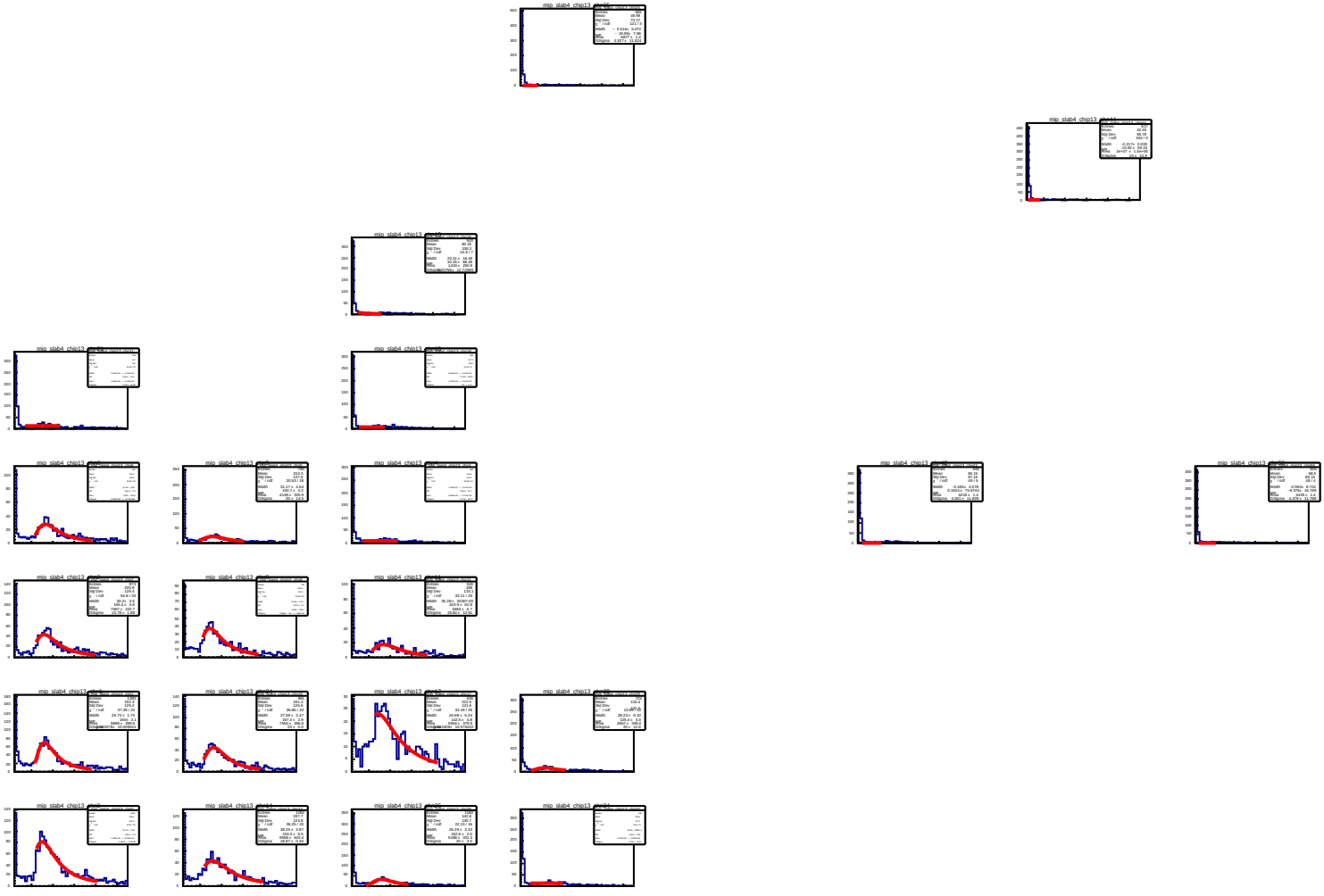

mip_slab4_chip0_chan26
Entries 1000
Mean 14.1
Std Dev 2.77
χ² / ndf 1183 / 21
Const − 17.76± 0.92
MPV 14.07 ± 0.01
Width 0.59 ± 0.01
Sigma 0.0000 ± 0.01

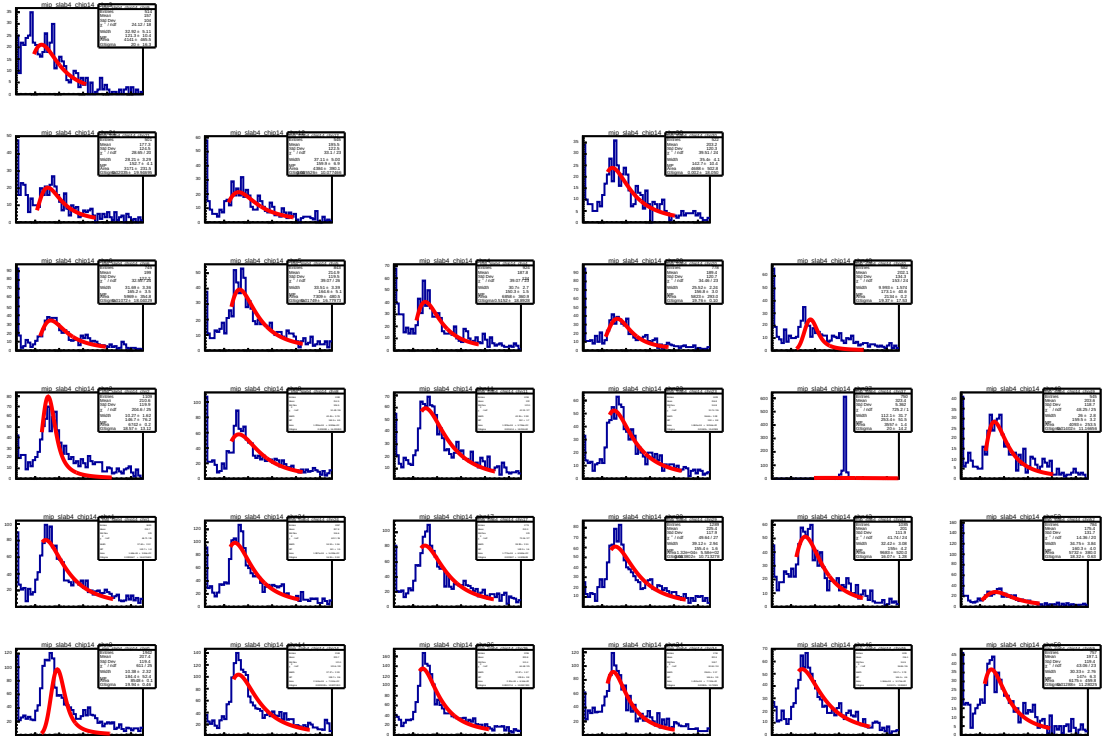

mip_slab4_chip0_chan27
Entries 1000
Mean 15.6
Std Dev 2.77
χ² / ndf 1212 / 21
Const 0.93E+03 ± 0.48E
MPV 15.6 ± 0.1
Width 0.0000 ± 0.01E
Sigma 0.0000 ± 0.01E

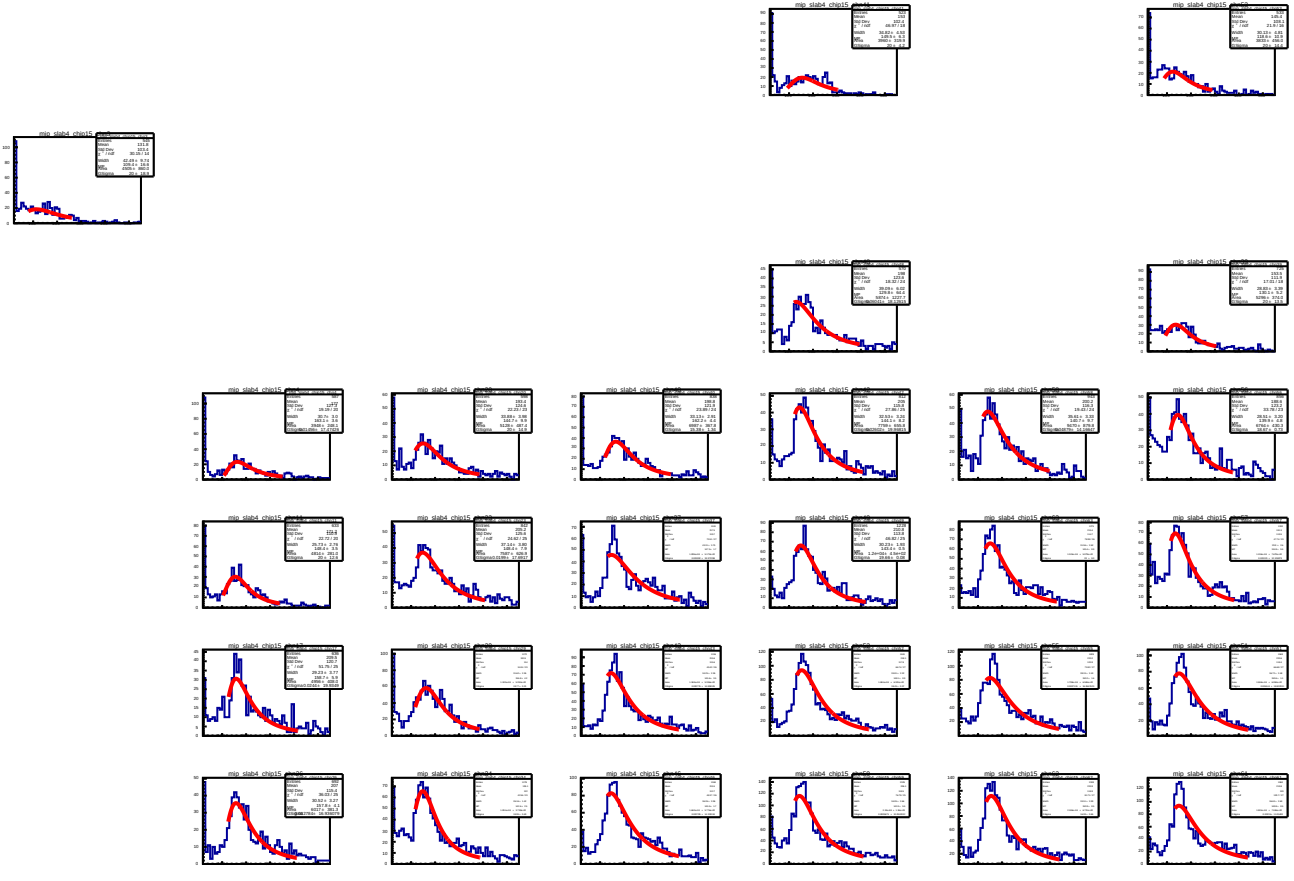

mip_slab4_chip0_chan28
Entries 1000
Mean 19.2
Std Dev 2.77
χ² / ndf 16.62 / 12
Const 0.2630± 0.0101
MPV 19.21 ± 0.01
Width 0.0000 ± 0.01
Sigma 0.0000 ± 0.01


mip_slab4_chi013_dm_50
Entries 1000
Mean 0.0
Mean x 0.0
Std Dev 0.0
Std Dev x 0.0
Integral 1.000e+03
Underflow 0.000e+00
Overflow 0.000e+00
Integral x 0.000e+00
Underflow x 0.000e+00
Overflow x 0.000e+00
350
300
250
200
150
100
50
0





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