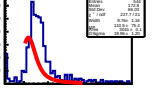
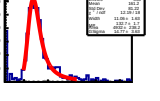
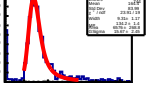
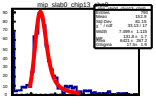
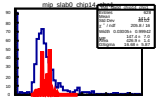
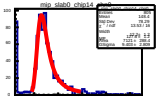

mip slab0 chip12 chan5
Entries 1322
Mean 1.022
Std Dev 89.02
χ² / ndf 9.74 / 4
Width 9.76 ± 1.16
MPV 132.5 ± 75.4
Area 1.0 ± 1.0
Sigma 29.80 ± 1.25

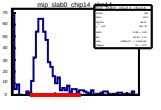

mip slab0 chip12 chan3
Entries 1322
Mean 39.27
Std Dev 12.83
χ² / ndf 12.83 / 19
Width 11.06 ± 1.60
MPV 49.07 ± 0.42
Area 4502 ± 136.2
Sigma 14.77 ± 0.63

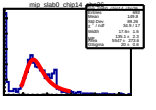

mip slab0 chip12 chan4
Entries 1322
Mean 14.14
Std Dev 21.82
χ² / ndf 21.82 / 19
Width 9.81 ± 1.17
MPV 60.70 ± 0.37
Area 6570 ± 198.5
Sigma 25.87 ± 1.14

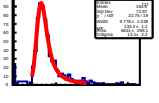

msp_slab0_chip13_adc0
Entries 7996
Mean 39.18
RMS/Div 33.23 / 17
Sigma 7.289 ± 1.125
Mean 6.021 ± 0.000
Integral 6221.4 ± 347.2
Chi2/ndf 17.61 / 3
90
80
70
60
50
40
30
20
10
0

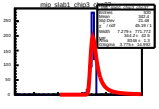

mip_slab0_chip14_chan1
Entries 1000
Mean 12.7
Std Dev 10.54
χ² / ndf 2936.8 / 19
Constant 0.00034 ± 0.00010
Mpv 147.4 ± 7.0
Sigma 10.54 ± 0.00
Integral 1000 ± 0.0

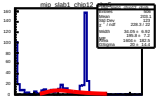

mip_slab0_chip14_chan2
Entries 1000
Mean 16.6
Std Dev 13.57
χ² / ndf 13.57 / 19
Constant 1.0 ± 1.0
Mpv 7.111 ± 200.2
Sigma 0.000 ± 0.000

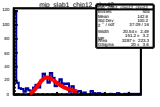

mip_slab0_chip14_chan3

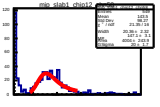

mip_slab0_chip14_chan4
Entries 1000
Mean 16.6
Std Dev 10.57
χ² / ndf 17.61 / 16
Constant 1.0 ± 1.0
Mpv 1427 ± 171.0
Sigma 25.7 ± 0.0

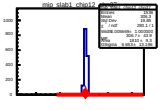

mip slab0 chip15 gain0
Entries 1457
Mean 22.79
Mean x 22.79
RMS 1.118
Width 0.7781 ± 1.038
Sigma 0.6608 ± 0.8815
MPV 6027.7 ± 168.1
Sigma 13.0 ± 1.0

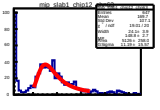

mip_slab1_chip3_cmb3
Entries 1000
Mean 7.27
Rms 2.57
Underflow 0
Overflow 0
Integral 1000
Skewness 1.75
Kurtosis 11.52
Peak 7.79 ± 0.11
Sigma 0.61 ± 0.08
Chi2 / ndf 45.39 / 5
Const 773.72 ± 22.6
Mean 7.79 ± 0.01
Sigma 0.61 ± 0.01
250
200
150
100
50
0

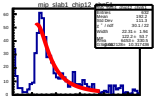

mip slab1 chip12 chan5
Mean 75.2
Std Dev 22.2
χ² / ndf 228.2 / 22
Width 30.05 ± 0.72
MPV 74.64 ± 0.21
Area 1960.1 ± 52.3
Sigma 27.1 ± 0.7

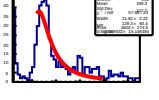

mip slab1 chip12 chan10
Mean 102.9
Std Dev 18.2
χ² / ndf 57.09 / 16
Width 20.61 ± 2.25
MPV 102.7 ± 0.7
Area 3397.2 ± 212.1
Sigma 21.2 ± 1.4

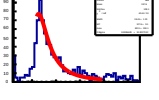

mip slab1 chip12 chan15
Mean 107.9
Std Dev 20.2
χ² / ndf 21.35 / 16
Width 21.35 ± 2.32
MPV 103.1 ± 0.7
Area 4102.1 ± 213.3
Sigma 22.1 ± 1.7

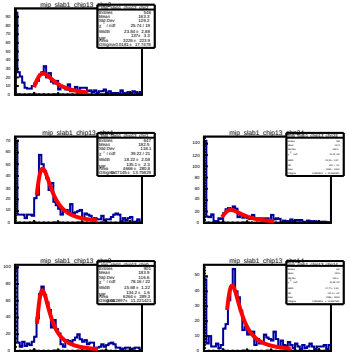

mip slab1 chip12 chan20
Mean 133.4
Std Dev 35.6
χ² / ndf 2883.17 / 4
Const 1.0000000 ± 0.0000000
Mean 306.71 ± 10.16
Sigma 35.60 ± 0.00
Integral 8.9011 ± 11.158

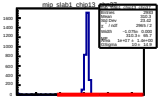

mip slab1 chip12 chan25
Mean 137.7
Std Dev 19.0
χ² / ndf 19.01 / 10
Const 24.1 ± 3.9
Mean 1.08 ± 2.7
Sigma 19.01 ± 2.27
Integral 11.85 ± 15.52

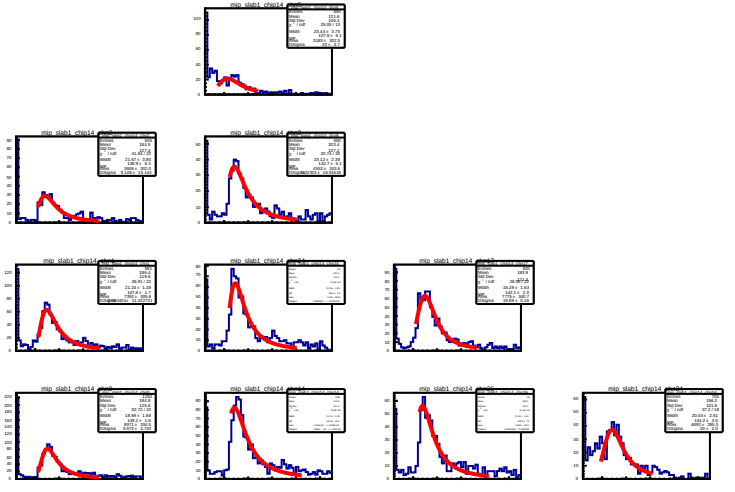

mip slab1 chip12 chan30
Mean 142.2
Std Dev 13.1
χ² / ndf 3.1 / 3
Const 33.31 ± 1.46
Mean 102.2 ± 0.3
Sigma 13.1 ± 0.3
Integral 11.2 ± 0.0


mip slab1 chip12 chan35
Mean 150.7
Std Dev 19.2
χ² / ndf 57.87 / 13
Const 23.93 ± 3.22
Mean 102.9 ± 0.7
Sigma 20.02 ± 2.71
Integral 14.12 ± 0.01


mip slab1 chip12 chan40
Mean 159.3
Std Dev 20.7
χ² / ndf 57.87 / 13
Const 23.93 ± 3.22
Mean 102.9 ± 0.7
Sigma 20.02 ± 2.71
Integral 14.12 ± 0.01


mip slab1 chip13 chan2
mip slab1 chip13 chan3
mip slab1 chip13 chan4
mip slab1 chip13 chan5
mip slab1 chip13 chan6


mip slab1 chip13 chan7


mip slab1 chip14
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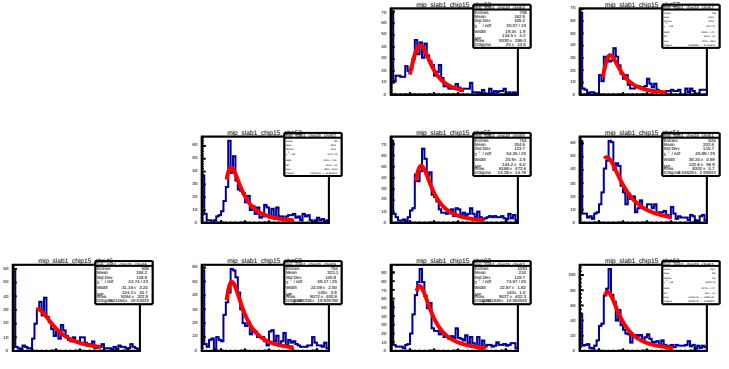
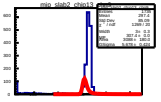
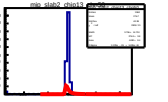

mip slab1 chip15 chan31
mip slab1 chip15 chan30
mip slab1 chip15 chan29
mip slab1 chip15 chan28
mip slab1 chip15 chan27
mip slab1 chip15 chan26
mip slab1 chip15 chan25
mip slab1 chip15 chan24
mip slab1 chip15 chan23
mip slab1 chip15 chan22
mip slab1 chip15 chan21
mip slab1 chip15 chan20


mip slab2 chip13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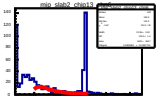
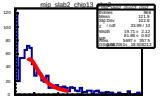

mip slab2 chip13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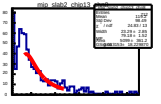
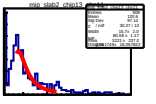

mip slab2 chip13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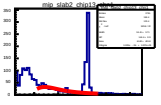
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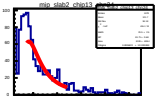
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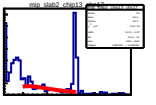
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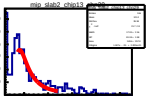
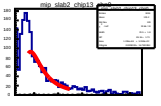
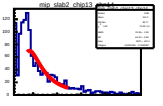
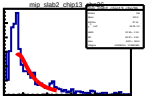
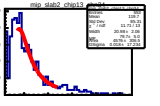
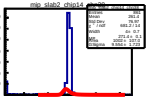

mip slab2 chip13

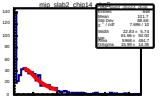

mip slab2 chip13

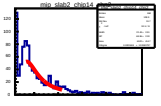

mip slab2 chip13

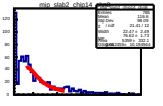

mip slab2 chip13

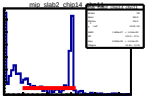

mip slab2 chip13

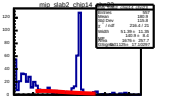

mip_slab2_chip14_chan32
Entries 2667
Mean 26.12
Std Dev 29.97
χ² / ndf 661.2 / 14
Width 0.1
MPV 27.4 ± 0.1
Area 2400 ± 24.0
Sigma 1.663 ± 0.014

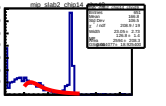

mip_slab2_chip14_chan5
Entries 2667
Mean 23.52
Std Dev 28.12
χ² / ndf 7.686 / 10
Width 23.83 ± 0.13
MPV 43.84 ± 0.4
Area 5900 ± 26.0
Sigma 19.93 ± 0.14

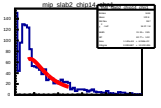

mip_slab2_chip14_chan6
Entries 2667
Mean 24.12
Std Dev 29.47
χ² / ndf 1.e+06 / 0
Width 1.e+06 ± 0.0
MPV 1.e+06 ± 0.0
Area 1.e+06 ± 0.0
Sigma 1.e+06 ± 0.0

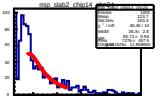

mip_slab2_chip14_chan7
Entries 2667
Mean 24.12
Std Dev 29.47
χ² / ndf 25.42 / 10
Width 22.27 ± 2.03
MPV 56.63 ± 3.13
Area 1.e+06 ± 0.0
Sigma 19.93 ± 0.14

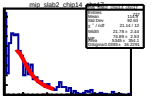

mip_slab2_chip14_chan8
Entries 2667
Mean 24.12
Std Dev 29.47
χ² / ndf 1.e+06 / 0
Width 1.e+06 ± 0.0
MPV 1.e+06 ± 0.0
Area 1.e+06 ± 0.0
Sigma 1.e+06 ± 0.0

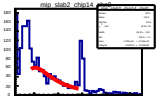

mip_slab2_chip14_chan9
Entries 2667
Mean 24.12
Std Dev 29.47
χ² / ndf 236.47 / 10
Width 51.39 ± 11.75
MPV 180.9 ± 9.4
Area 1.e+06 ± 0.0
Sigma 19.93 ± 0.14

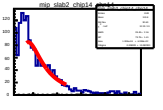

mip_slab2_chip14_chan10
Entries 2667
Mean 24.12
Std Dev 29.47
χ² / ndf 208.9 / 10
Width 23.05 ± 2.71
MPV 135.6 ± 5.4
Area 1.e+06 ± 0.0
Sigma 19.93 ± 0.14

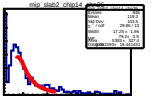

mip_slab2_chip14_chan11
Entries 2667
Mean 24.12
Std Dev 29.47
χ² / ndf 1.e+06 / 0
Width 1.e+06 ± 0.0
MPV 1.e+06 ± 0.0
Area 1.e+06 ± 0.0
Sigma 1.e+06 ± 0.0

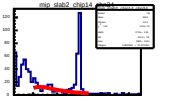

mip_slab2_chip14_chan12
Entries 2667
Mean 24.12
Std Dev 29.47
χ² / ndf 303.2 / 10
Width 46.34 ± 1.4
MPV 39.34 ± 0.4
Area 80.73 ± 0.34
Sigma 19.93 ± 0.14
Integral(MPV ± 3σ) 11.9665

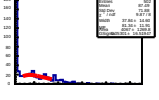

mip_slab2_chip14_chan13
Entries 2667
Mean 24.12
Std Dev 29.47
χ² / ndf 30.63 / 10
Width 21.02 ± 0.4
MPV 21.75 ± 0.44
Area 70.89 ± 2.53
Sigma 19.93 ± 0.14
Integral(MPV ± 3σ) 42.2253

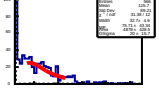

mip_slab2_chip14_chan14
Entries 2667
Mean 24.12
Std Dev 29.47
χ² / ndf 1.e+06 / 0
Width 1.e+06 ± 0.0
MPV 1.e+06 ± 0.0
Area 1.e+06 ± 0.0
Sigma 1.e+06 ± 0.0

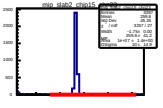

mip_slab2_chip14_chan15
Entries 2667
Mean 24.12
Std Dev 29.47
χ² / ndf 1.e+06 / 0
Width 1.e+06 ± 0.0
MPV 1.e+06 ± 0.0
Area 1.e+06 ± 0.0
Sigma 1.e+06 ± 0.0

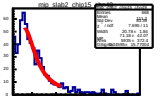

mip_slab2_chip14_chan16
Entries 2667
Mean 24.12
Std Dev 29.47
χ² / ndf 1.e+06 / 0
Width 1.e+06 ± 0.0
MPV 1.e+06 ± 0.0
Area 1.e+06 ± 0.0
Sigma 1.e+06 ± 0.0

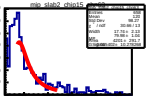

mip_slab2_chip14_chan17
Entries 2667
Mean 24.12
Std Dev 29.47
χ² / ndf 1.e+06 / 0
Width 1.e+06 ± 0.0
MPV 1.e+06 ± 0.0
Area 1.e+06 ± 0.0
Sigma 1.e+06 ± 0.0

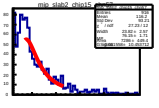

mip slab2 chip15
Entries 1000
Mean 35.28
Std Dev 9.67 / 8
χ² / ndf 37.84 / 14.80
Width 7.54 ± 0.54
MPV 20.07 ± 1.09 ± 0.14
Integral 1.63 ± 0.01

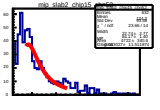

mip slab2 chip15
Entries 1000
Mean 39.27
Std Dev 31.38 / 12
χ² / ndf 35.75 / 4.6
Width 7.54 ± 0.54
MPV 19.91 ± 1.09 ± 0.14
Integral 37.1 ± 0.1

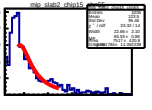

mip slab2 chip15
Entries 1000
Mean 1000
Std Dev 0.00
χ² / ndf 3267 / 0
Width -1.7e- 5.0
MPV -19.8 ± 21.2
Integral 3267 ± 57.2

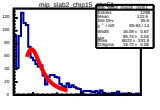

mip slab2 chip15
Entries 1000
Mean 1000
Std Dev 0.00
χ² / ndf 7.69 / 11
Width 20.74 ± 3.31
MPV 71.30 ± 42.12
Integral 7.69 ± 0.04

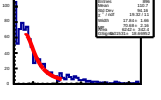

mip slab2 chip15
Entries 1000
Mean 1000
Std Dev 0.00
χ² / ndf 30.68 / 13
Width 17.74 ± 2.13
MPV 79.98 ± 1.06
Integral 30.68 ± 0.15

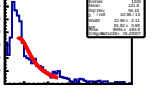

mip slab2 chip15
Entries 1000
Mean 1000
Std Dev 0.00
χ² / ndf 27.23 / 12
Width 23.82 ± 2.92
MPV 78.91 ± 1.71
Integral 27.23 ± 0.14

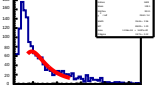

mip slab2 chip15
Entries 1000
Mean 22.12
Std Dev 33.66 / 14
χ² / ndf 22.12 / 12
Width 22.91 ± 2.10
MPV 70.11 ± 0.69
Integral 22.12 ± 0.09

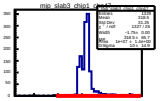

mip slab2 chip15
Entries 1000
Mean 33.59
Std Dev 95.49
χ² / ndf 33.59 / 14
Width 22.91 ± 2.10
MPV 80.50 ± 0.86
Integral 33.59 ± 0.15

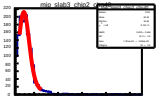

mip slab2 chip15
Entries 1000
Mean 12.12
Std Dev 29.4
χ² / ndf 12.12 / 12
Width 19.09 ± 3.47
MPV 85.70 ± 2.16
Integral 12.12 ± 0.05

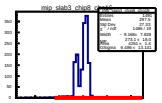

mip slab2 chip15
Entries 1000
Mean 19.27
Std Dev 19.27 / 11
χ² / ndf 17.84 / 1.95
Width 6.02 ± 0.67
MPV 63.61 ± 0.67
Integral 19.27 ± 0.09

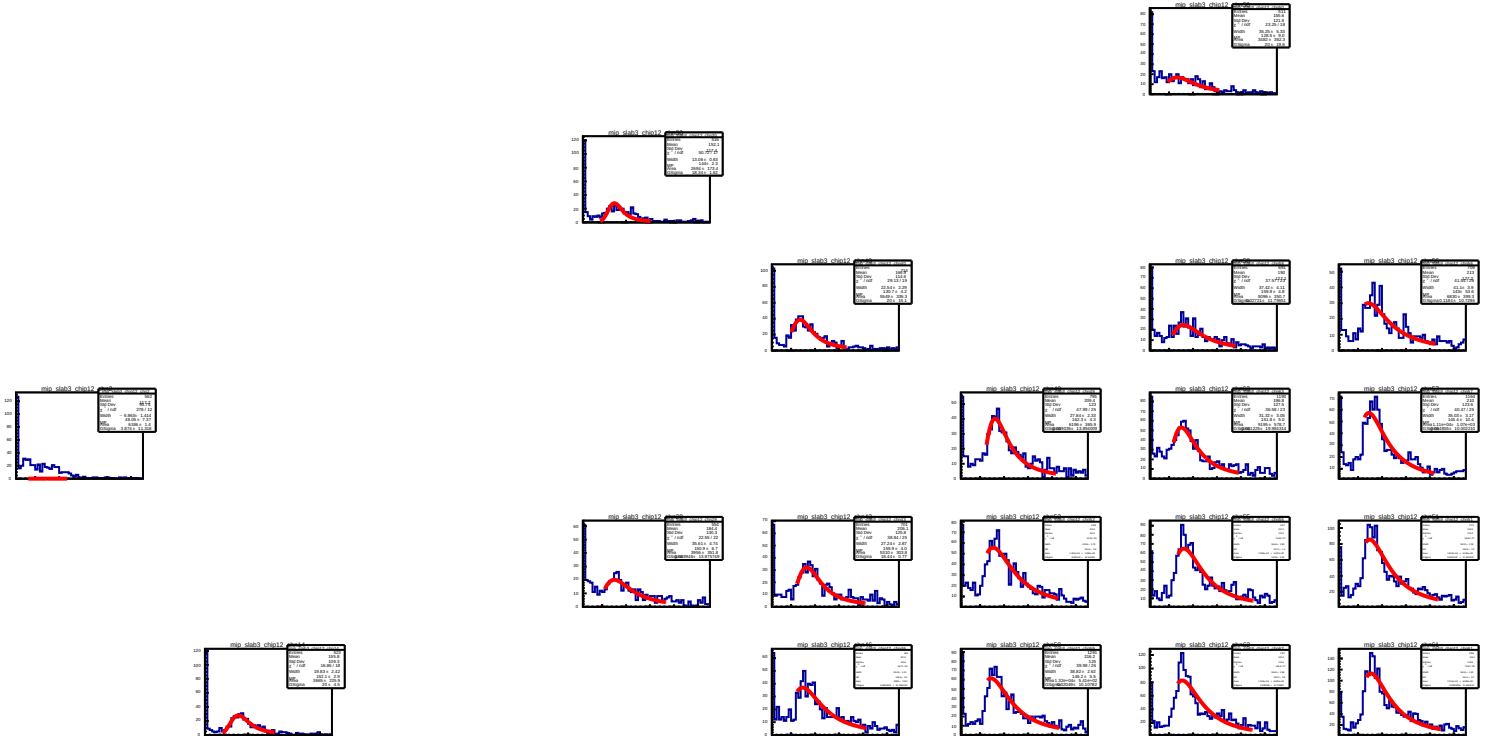

mip slab2 chip15
Entries 1000
Mean 43.89
Std Dev 43.89 / 13
χ² / ndf 22.96 ± 2.11
Width 6.02 ± 0.67
MPV 69.61 ± 0.63
Integral 43.89 ± 0.20

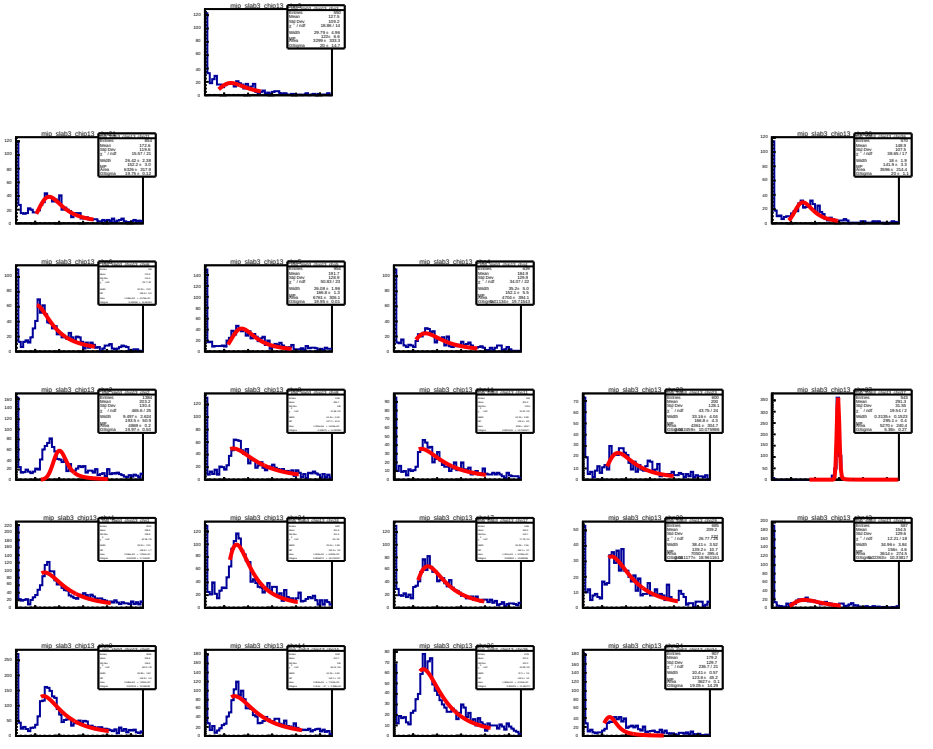

mip slab2 chip15
Entries
Mean
Std Dev
χ² / ndf
Width
MPV
Integral

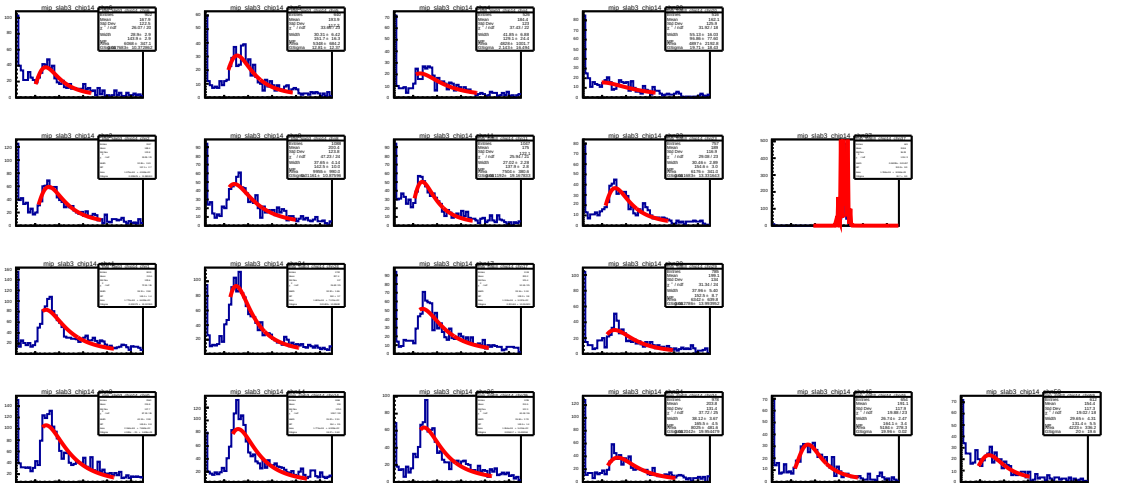

mip_slab3_chip1_chan25
Entries 3000
Mean 1.014
Std Dev 21.15
χ² / ndf 2327.1 / 19
Width 0.7ffm 0.0F
Sigma 34.7ffm ±0.3F
MPV μ=-0F ± 1.4m±0
Sigma σ=1.4m±0
300
250
200
150
100
50
0


mip slab3 chip2 chan0
Entries 1000
Mean 14.4
RMS 4.4
χ² / ndf 0.00e+00
Prob
Constant 1.00e+03
Mean 14.4
Sigma 0.0
Constant = 1.00e+03
Mean = 14.4
Sigma = 0.0
220
200
180
160
140
120
100
80
60
40
20
0


msp_slab3_chip8_ch14
Statistics
Entries 2672
Mean 27.23
RMS 1.081 / 1.0
Underflow 0
Overflow 0
Integral 2672.0
Skewness 0.2867 / 0.241
350
300
250
200
150
100
50
0


mip slab3 chip12
mip slab3 chip12
mip slab3 chip12




mip slab3 chip14
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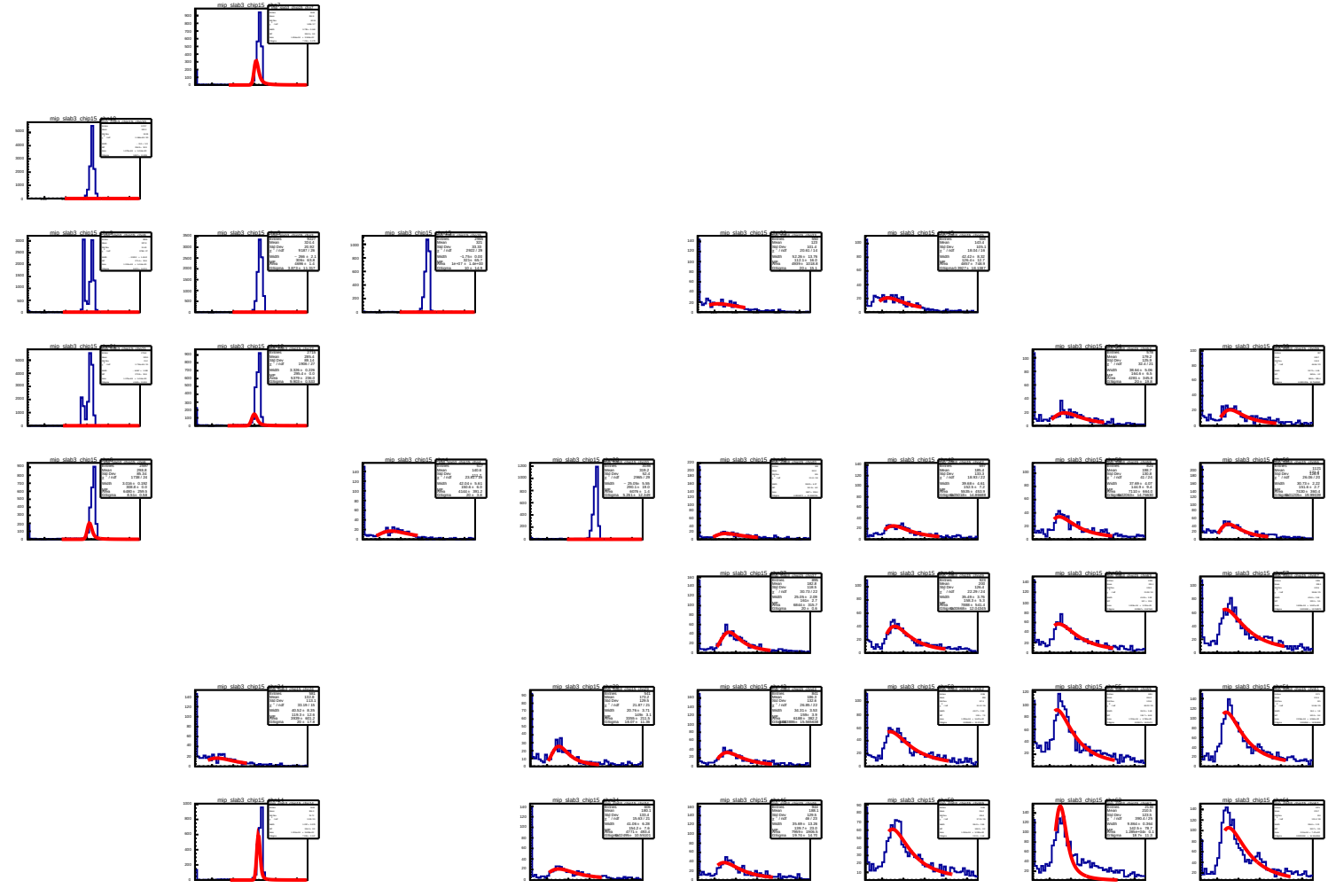
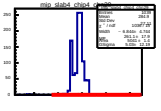
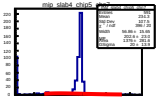
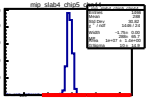
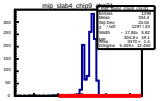
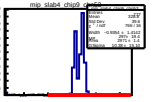


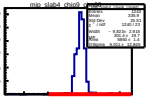

mip slab4 chip0
Entries 1000
Mean 262.9
Std Dev 12.8
χ / ndf 1008/37.00
p0 0.0000 ± 0.000
Mean 261.5 ± 12.8
Sigma 0.000 ± 0.00
Integral 0.000 ± 0.00
250
200
150
100
50
0

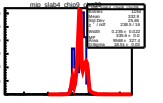

mip slab4 chip5 chan2
Entries 2515
Mean 127.5
Std Dev 280.2
χ2 / ndf 1.1e+07 / 1
width 16.96 ± 19.05
Mean 127.5 ± 0.1
MPV 2.911 ± 40.1
Integral 20 ± 0.0

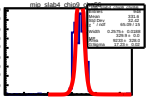

mip slab4 chip5 chan3
Entries 2104
Mean 0.00
Std Dev 14.80
χ2 / ndf 14.80 / 14
width
Mean -1.75e-0 0.00
MPV 0.00 ± 0.00
Integral 1e+07 ± 1.4e+02
Integral 10.0 ± 0.0

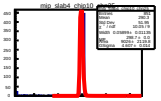

mip_slab4_chip0_chan24
Entries 1024
Mean 24.12
Std Dev 29.04
χ / ndf 1297 / 29
Width 37.66± 9.60
Sigma 1.00± 0.00
MPV 39.91± 5.5
Sigma 9.97± 2.03


mip_slab4_chip0_chan25
Entries 1024
Mean 31.87
Std Dev 29.04
χ / ndf 769 / 31
Width -0.936± 1.012
Sigma 0.000± 0.000
MPV 27.7± 3.2
Sigma 10.94± 1.00


mip_slab4_chip0_chan26
Entries 1024
Mean 39.8
Std Dev 29.04
χ / ndf 1187 / 31
Width 0.820± 0.910
MPV 40.8± 2.7
Sigma 10.94± 1.00


mip_slab4_chip0_chan27
Entries 1024
Mean 23.6
Std Dev 29.04
χ / ndf 1230 / 31
Width 0.230± 0.410
MPV 28.6± 0.2
Sigma 9.94± 0.02
Sigma 0.14± 0.01


mip_slab4_chip0_chan28
Entries 1024
Mean 23.6
Std Dev 29.04
χ / ndf 65 / 31
Width 0.276± 0.000
MPV 23.6± 0.0
Sigma 9.94± 0.02
Sigma 0.14± 0.01


mip_slab4_chan10_mm_05
Mean 265.7
Std Dev 51.95
N / Cut 3235/0
Width 0.0100MeV/0.0110MeV
Min 250
Max 9000/ 4192.5
Integral 8400/ 4.0000
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350
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250
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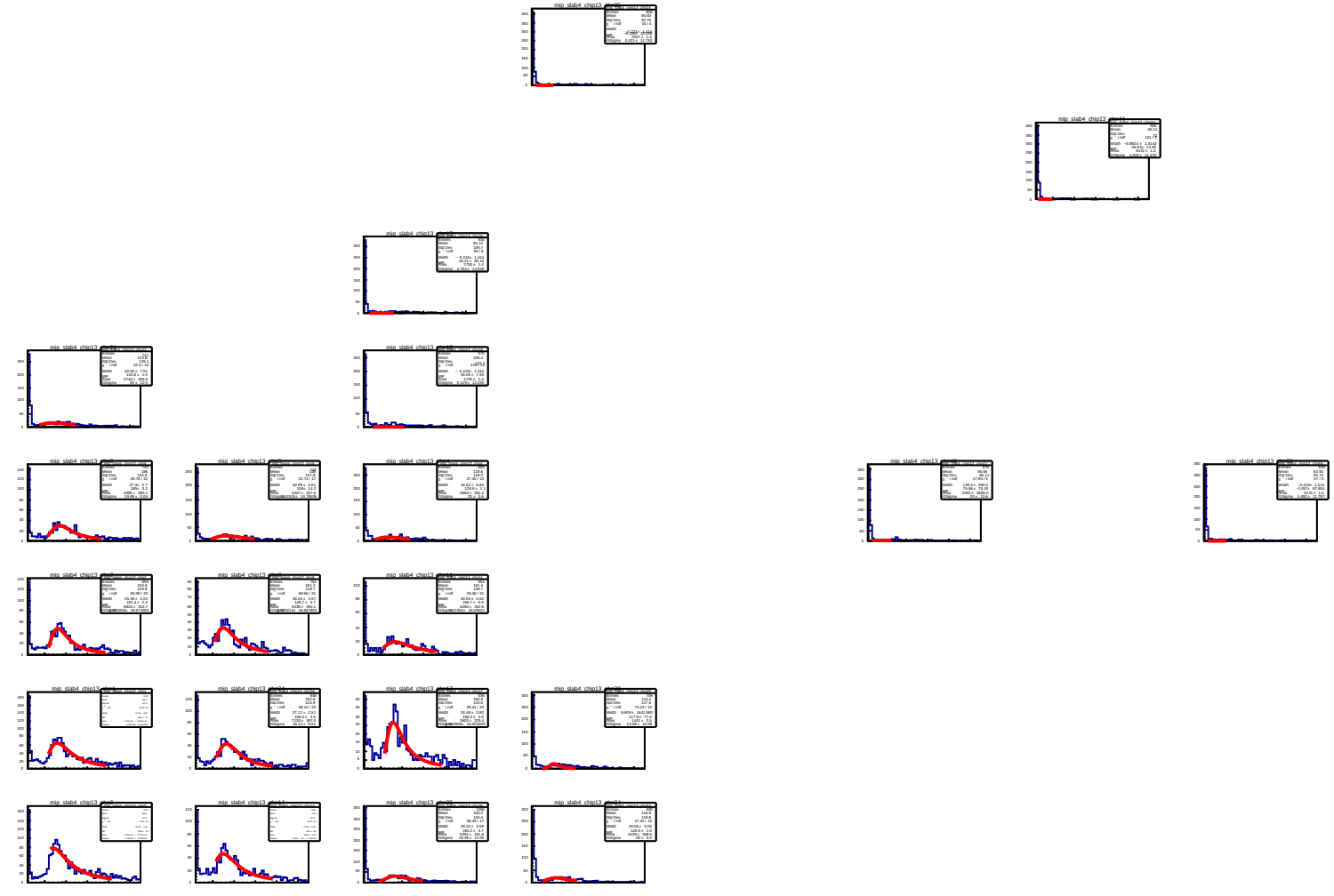

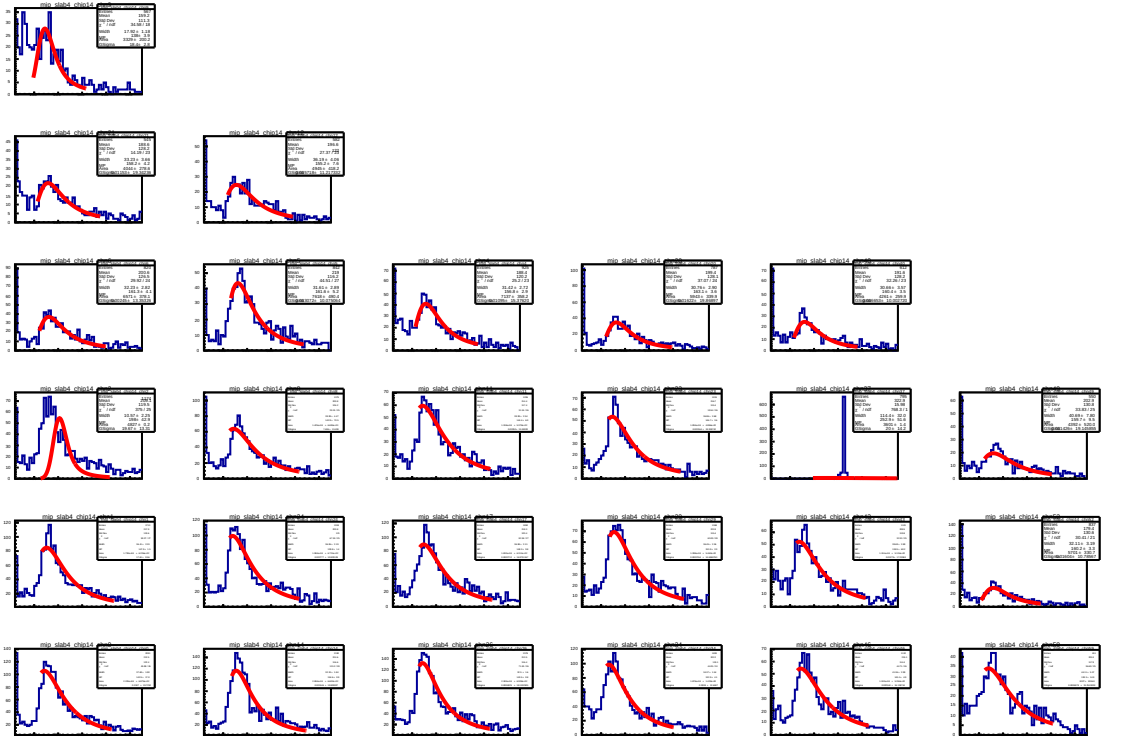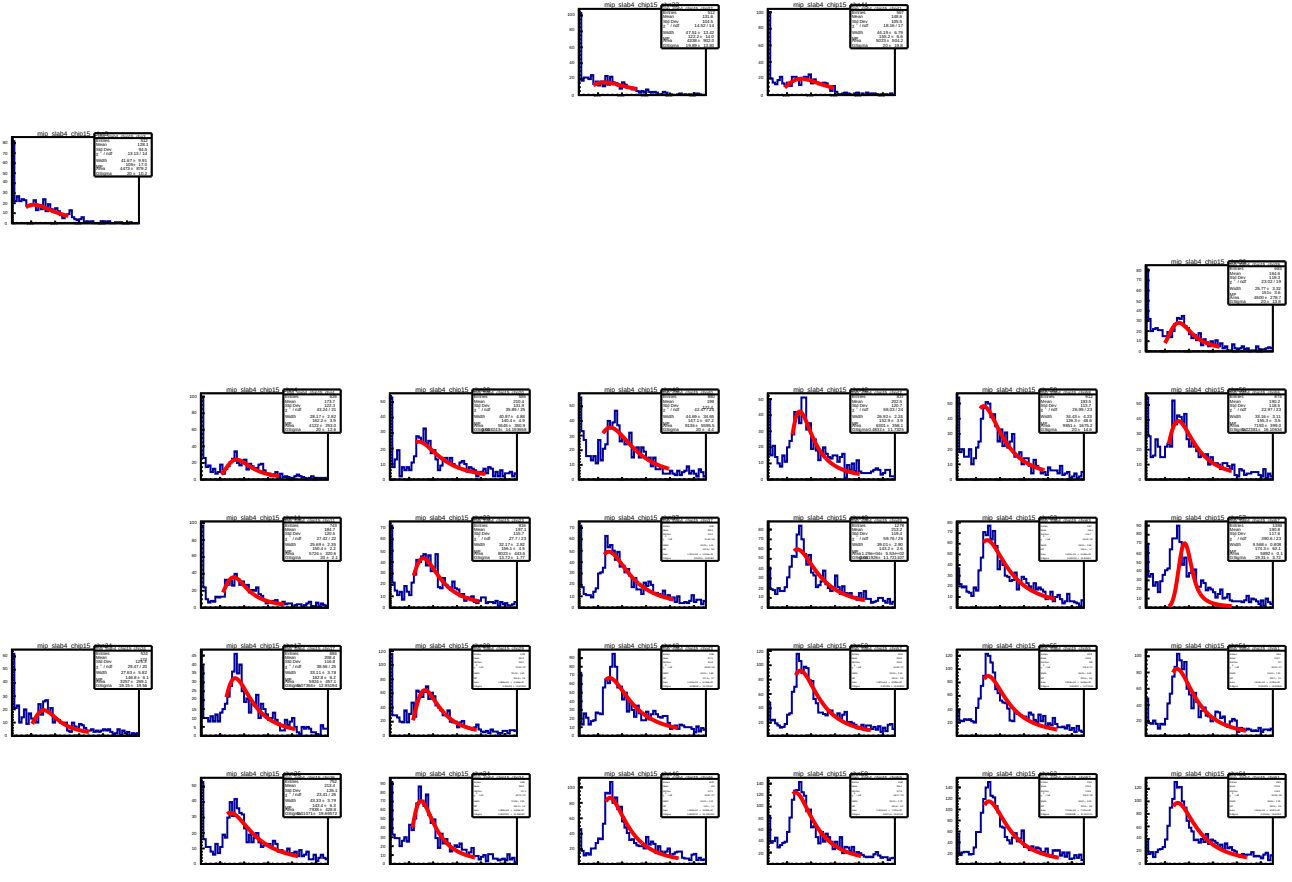
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