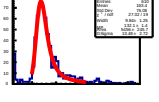
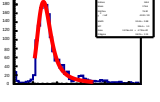
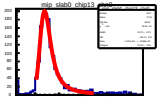
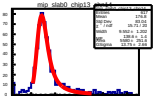
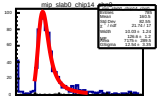
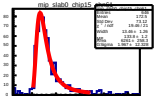

mip_slab0_chip12_channel0
Entries 1000
Mean 39.07
RMS 39.08
χ² / ndf 27.02 / 19
Width 9.84± 1.25
MPV 39.00± 0.41
Area 5280 ± 245.7
Sigma 13.66 ± 0.72

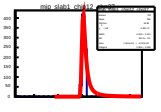

mip_slab0_chip12_channel1
Entries 1000
Mean 77.9
RMS 41.9
χ² / ndf 40.71 / 19
Width 17.08 ± 1.08
MPV 74.75 ± 0.56
Area 14175 ± 478.0
Sigma 23.90 ± 0.71

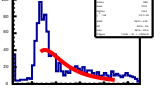

mip_slab0_chip13
Entries 1000
Mean 1.000
RMS 0.0000
Underflow 0
Overflow 0
Integral 1000.
Skewness 0.0000
Kurtosis 0.0000
Mean x 0.0000
Mean y 0.0000
RMS x 0.0000
RMS y 0.0000
Constant 1000.
Mean 1.000
Sigma 0.0000

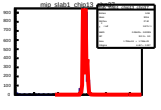

mip_slab0_chip14
Entries 1000
Mean 1.000
RMS 0.0000
Underflow 0
Overflow 0
Integral 1000.
Skewness 0.0000
Kurtosis 0.0000
Mean x 0.0000
Mean y 0.0000
RMS x 0.0000
RMS y 0.0000
Constant 1000.
Mean 1.000
Sigma 0.0000

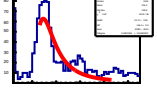

msp_slab0_chip14_adc
Entries 3816
χ² / ndf 21.72 / 13
Mean 13.03 ± 1.24
Sigma 12.94 ± 0.91
100
80
60
40
20
0

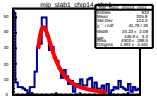

mip slab0 chip15 ped0
Entries 1000
Mean 1.512
Underflow 0
Overflow 0
χ² / ndf 15.00 / 11
Width 15.00 ± 1.36
Sigma 1.987 ± 0.134
MPV 6287 ± 248.5
Sigma 1.9873 ± 0.134

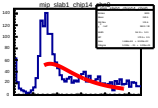

mip_slab1_chip12_strip7
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 1000.
Mean x 0.0
RMS x 0.0
Underflow x 0.0
Overflow x 0.0
Integral x 1000.
Constant 1.0e+03
Mean 0.0
Sigma 0.0
400
350
300
250
200
150
100
50
0

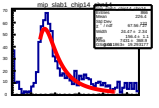

mip_slab1_chip12_strip8
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 1000.
Mean x 0.0
RMS x 0.0
Underflow x 0.0
Overflow x 0.0
Integral x 1000.
Constant 1.0e+03
Mean 0.0
Sigma 0.0
100
90
80
70
60
50
40
30
20
10
0

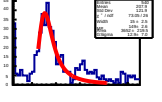

mip_slab1_chip13_chan2
900
800
700
600
500
400
300
200
100
0

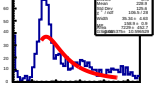

mip_slab1_chip13_chan1
80
70
60
50
40
30
20
10

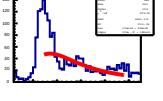

mip slab1 chip14 chan1
Entries 2000
Mean 324.3
Std Dev 124.0
χ² / ndf 41.19 / 19
Prob 0.000
Width 25.23 ± 0.28
MPV 548.6 ± 0.3
Integral 1993 ± 0.0
Chi2/ndf 2.168 ± 0.000

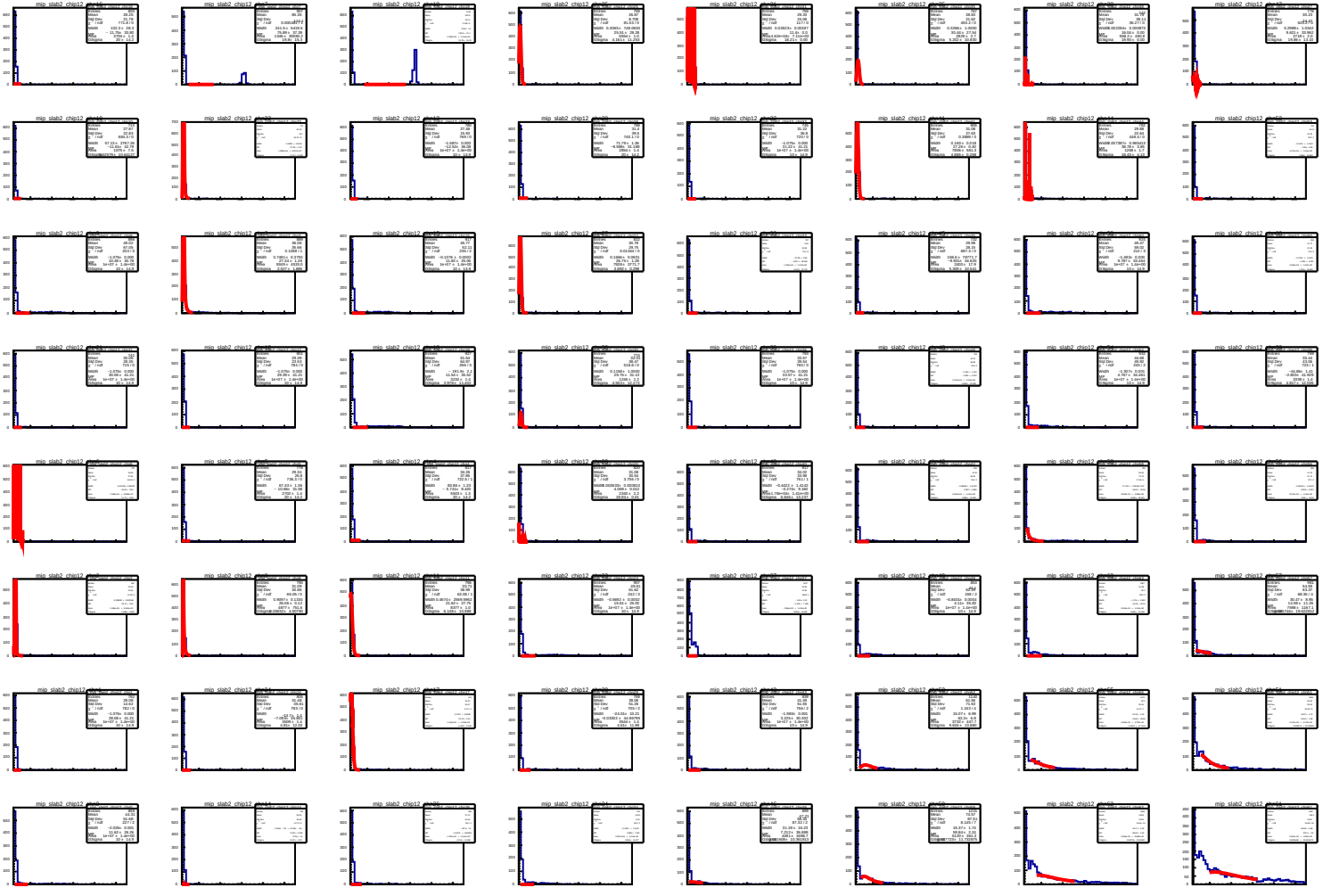

mip slab1 chip14 chan2
Entries 2000
Mean 324.3
Std Dev 124.0
χ² / ndf 67.50 / 19
Prob 0.000
Width 26.47 ± 0.34
MPV 548.7 ± 0.3
Integral 1993 ± 0.0
Chi2/ndf 3.553 ± 0.000

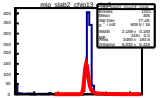

mip slab1 chip14 chan3
Entries 2000
Mean 324.3
Std Dev 124.0
χ² / ndf 67.50 / 19
Prob 0.000
Width 26.47 ± 0.34
MPV 548.7 ± 0.3
Integral 1993 ± 0.0
Chi2/ndf 3.553 ± 0.000

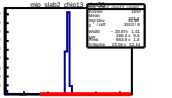

mip slab1 chip15 ch45
Entries 2000
Mean 222.2
Std Dev 121.9
χ² / ndf 79.7 / 19
p0 19.4 ± 2.6
MPV 105± 2.6
Sigma 27.4 ± 0.3

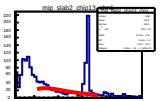

mip slab1 chip15 ch46
Entries 2000
Mean 139.8
Std Dev 109.5
χ² / ndf 119.7 / 18
p0 39.50 ± 4.60
MPV 139.5 ± 1.0
Sigma 13.09 ± 0.62
Integral 1.0 ± 0.0

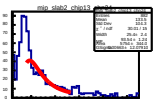

mip slab1 chip15 ch47
Entries 2000
Mean 222.2
Std Dev 121.9
χ² / ndf 79.7 / 19
p0 19.4 ± 2.6
MPV 105± 2.6
Sigma 27.4 ± 0.3

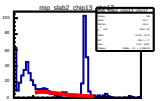


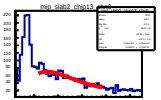

mip slab2 chip13 chan0
Entries 1000
Mean 309
Std Dev 15.7
χ² / ndf 9257.11 / 18
Width 2.168 ± 0.193
MPV 304 ± 0.3
Area 1000 ± 0.0
Sigma 0.002 ± 0.014

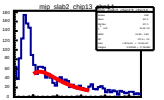

mip slab2 chip13 chan2
Entries 1000
Mean 254
Std Dev 15.8
χ² / ndf 1023 / 18
Width − 20.87 ± 1.41
MPV 256.2 ± 5.5
Area 1000 ± 0.0
Sigma 0.003 ± 0.14

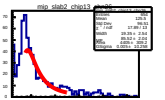

mip slab2 chip13 chan1
Entries 1000
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0 / 0
Width 0.0 ± 0.0
MPV 0.0 ± 0.0
Area 0.0 ± 0.0
Sigma 0.0 ± 0.0

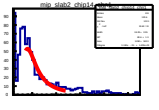

mip slab2 chip13 chan3
Entries 1000
Mean 112.2
Std Dev 33.0
χ² / ndf 1.0 / 0
Width 35.0 ± 2.4
MPV 55.54 ± 1.2
Area 5750 ± 150.0
Sigma 0.0000 ± 0.0000

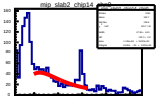

mip slab2 chip13 chan4
Entries 0
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0 / 0
Width 0.0 ± 0.0
MPV 0.0 ± 0.0
Area 0.0 ± 0.0
Sigma 0.0 ± 0.0

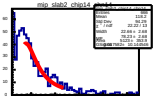

mip slab2 chip13 chan5
Entries 0
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0 / 0
Width 0.0 ± 0.0
MPV 0.0 ± 0.0
Area 0.0 ± 0.0
Sigma 0.0 ± 0.0

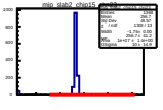

mip slab2 chip13 chan6
Entries 0
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0 / 0
Width 0.0 ± 0.0
MPV 0.0 ± 0.0
Area 0.0 ± 0.0
Sigma 0.0 ± 0.0

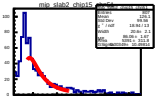

mip slab2 chip13 chan7
Entries 1000
Mean 330.5
Std Dev 17.8
χ² / ndf 17.87 / 12
Width 39.35 ± 2.54
MPV 330.4 ± 0.4
Area 2300 ± 100.2
Sigma 0.000 ± 0.016

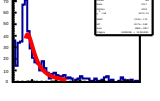

mip_slab2_chip14_chn1
Entries 1000
Mean 0.4
RMS 0.4
Underflow 0
Overflow 0
Integral 1000.
Constant 1000. ± 0.0
Mean 0.4 ± 0.0
Sigma 0.1 ± 0.0
Chi2 / ndf 1.0 / 1
Prob 0.3
Constant 1000. ± 0.0
Mean 0.4 ± 0.0
Sigma 0.1 ± 0.0

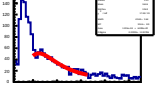

mip_slab2_chip14_chn2
Entries 1000
Mean 0.4
RMS 0.4
Underflow 0
Overflow 0
Integral 1000.
Constant 1000. ± 0.0
Mean 0.4 ± 0.0
Sigma 0.1 ± 0.0
Chi2 / ndf 1.0 / 1
Prob 0.3
Constant 1000. ± 0.0
Mean 0.4 ± 0.0
Sigma 0.1 ± 0.0

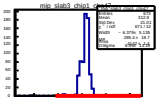

mip_slab2_chip14_chn3
Entries 1000
Mean 0.4
RMS 0.4
Underflow 0
Overflow 0
Integral 1000.
Constant 1000. ± 0.0
Mean 0.4 ± 0.0
Sigma 0.1 ± 0.0
Chi2 / ndf 1.0 / 1
Prob 0.3
Constant 1000. ± 0.0
Mean 0.4 ± 0.0
Sigma 0.1 ± 0.0

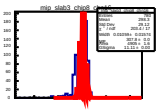

mip_slab2_chip15_chan13
Entries 1000
Mean 27.7
Std Dev 2.7
χ² / ndf 1386 / 13
Width -1.7± 0.01
Peak 17.3 ± 21.2
Mean 14.07 ± 0.01
Integral 1.0 ± 0.0

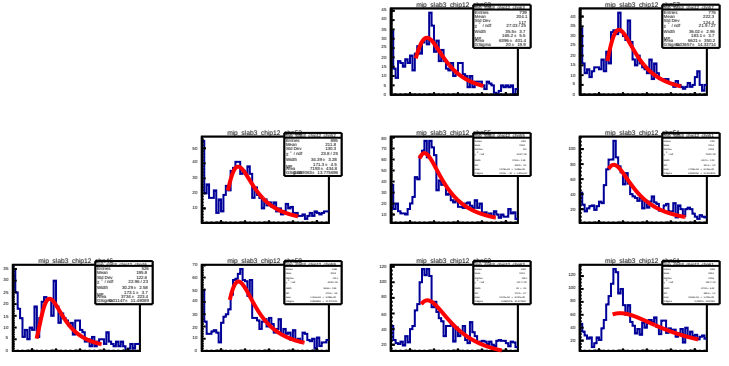

mip_slab2_chip15_chan14
Entries 1000
Mean 27.1
Std Dev 10.19
χ² / ndf 1.4 / 1
Width 2.1 ± 1.1
Peak 20.4 ± 1.1
Mean 30.50 ± 2.8
Integral 7.0 ± 0.0
Fitting description: 2D Gauss


mip_slab2_chip15_chan15


mip_slab2_chip15_chan16


mip_slab3_chip1_chan25
Entries 10000
Mean 3.014
Std Dev 23.51
χ² / ndf 671.1 / 19
Width 4.304 ± 0.07
Mean 286.8 ± 0.2
Sigma 4.568 ± 0.04


msp_slab3_chip8_chip5
Statistics
Entries 2667
Mean 29.12
Std Dev 2032.7.17
Underflow 0.0328E+ 0.0328E
Overflow 0.0000E+ 0.0000E
Integral 2666.+ 0.0
Integral 0.0000 + 0.00
200
180
160
140
120
100
80
60
40
20
0


mip_slab3_chip12
mip_slab3_chip12
mip_slab3_chip12
mip_slab3_chip12
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mip_slab3_chip12
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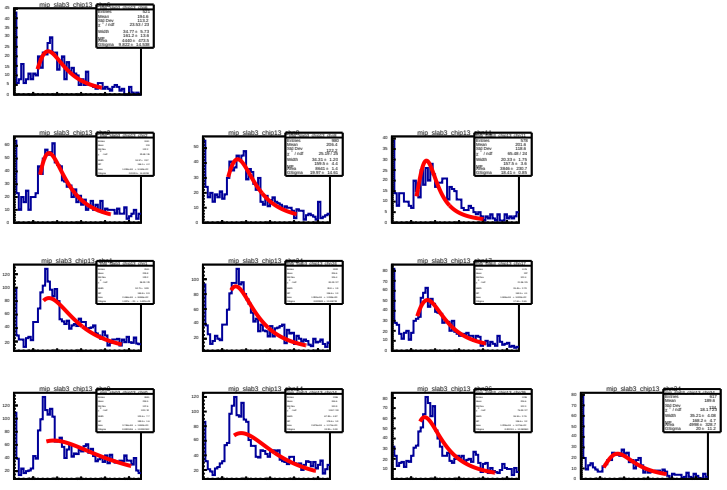
mip_slab3_chip12
mip_slab3_chip12


mip_slab3_chip13
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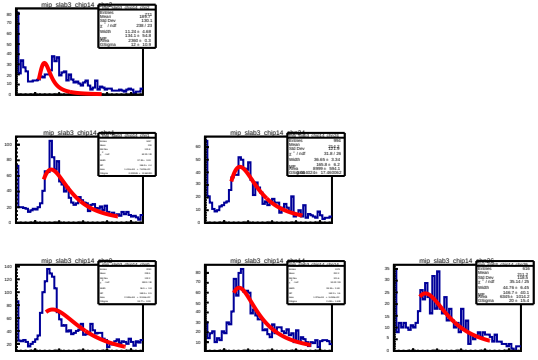
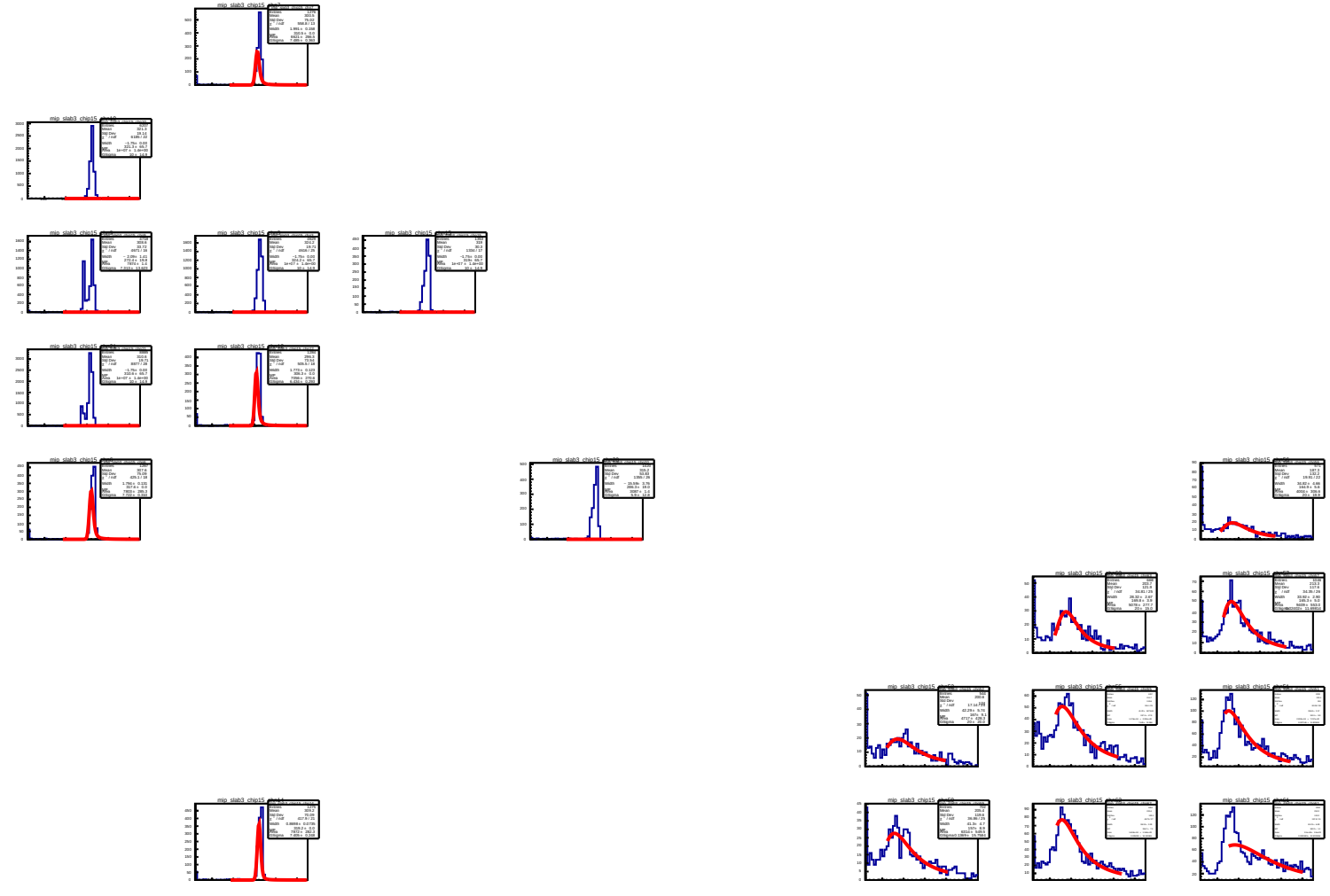
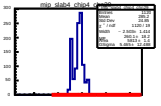
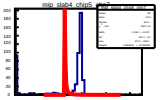
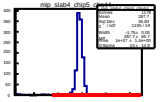
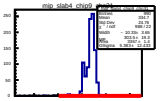

mip_slab3_chip14_chan0
Entries 1127
Mean 19.57
Std Dev 10.53
χ² / ndf 2.08 / 4
Constant 11.29 ± 4.68
MPV 134.1 ± 9.8
Width 7.9 ± 1.4
Integral 759 ± 15.6
mip_slab3_chip14_chan1
Entries 1127
Mean 19.4
Std Dev 10.45
χ² / ndf 1.79 / 4
Constant 39.81 ± 3.16
MPV 200.8 ± 5.2
Width 8.7 ± 0.8
Integral 1017 ± 20.1
mip_slab3_chip14_chan2
Entries 1127
Mean 19.4
Std Dev 10.45
χ² / ndf 1.79 / 4
Constant 39.81 ± 3.16
MPV 200.8 ± 5.2
Width 8.7 ± 0.8
Integral 1017 ± 20.1
mip_slab3_chip14_chan3
Entries 1127
Mean 19.4
Std Dev 10.45
χ² / ndf 1.79 / 4
Constant 39.81 ± 3.16
MPV 200.8 ± 5.2
Width 8.7 ± 0.8
Integral 1017 ± 20.1
mip_slab3_chip14_chan4
Entries 1127
Mean 19.4
Std Dev 10.45
χ² / ndf 1.79 / 4
Constant 39.81 ± 3.16
MPV 200.8 ± 5.2
Width 8.7 ± 0.8
Integral 1017 ± 20.1
mip_slab3_chip14_chan5
Entries 1127
Mean 19.4
Std Dev 10.45
χ² / ndf 1.79 / 4
Constant 39.81 ± 3.16
MPV 200.8 ± 5.2
Width 8.7 ± 0.8
Integral 1017 ± 20.1
mip_slab3_chip14_chan6
Entries 1127
Mean 19.4
Std Dev 10.45
χ² / ndf 35.147 / 29
Constant 10.75 ± 0.25
MPV 63.01 ± 0.13
Width 6.0311 ± 0.0113
Integral 29.1 ± 0.4

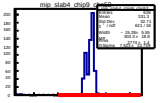


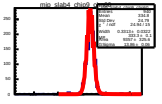

mip slab4 chip4 ch20
Entries 2000
Mean 250.2
Std Dev 20.06
χ / ndf 2.000 / 1
p0 2.000 ± 0.000
p1 250.0 ± 10.2
p2 20.00 ± 0.00
Integral = 2000 ± 0.00
300
250
200
150
100
50
0

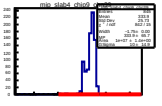

mip slab4 chip5 chan5
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 1000.0
Skewness nan
Kurtosis nan
Minimum -0.5
Maximum 0.5
Bin Width 0.0
Fit Range [-0.5, 0.5]
Fit Status 0
Fit Prob 0.000
Fit Chi2 0.000
Fit NDF 0
Fit Mean 0.000
Fit Sigma 0.000
Fit Integral 0.000
Fit Error 0.000
Fit Chi2/NDF nan

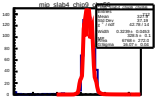

mip slab4 chip5 chan5
Entries 1000
Mean 28.27
RMS 1.000
Underflow 0
Overflow 0
Integral 1000.0
Skewness 0.000
Kurtosis 0.000
Minimum 25.00
Maximum 31.00
Bin Width 0.0
Fit Range [26.00, 30.00]
Fit Status 0
Fit Prob 0.000
Fit Chi2 0.000
Fit NDF 0
Fit Mean 28.27 ± 0.000
Fit Sigma 1.000 ± 0.000
Fit Integral 1000.0 ± 0.0
Fit Error 0.000
Fit Chi2/NDF nan

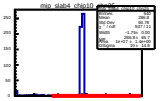

mip_slab4_chip0_chan24
Entries 2667
Mean 22.75
Std Dev 5383.72
χ² / ndf 0.00 / 0
Prob 0.000
Constant 2.00 ± 0.00
Mean -2.00 ± 0.00
Sigma 0.00 ± 0.00

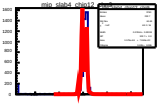

mip_slab4_chip0_chan25
Entries 1117
Mean 331.1
Std Dev 1.00
χ² / ndf 0.0 / 0
Prob 0.000
Constant 25.00 ± 0.00
Mean 300.0 ± 0.0
Sigma 0.0 ± 0.0

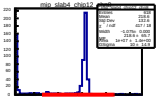

mip_slab4_chip0_chan26
Entries 3418
Mean 0.0000
Std Dev 11.82/11
χ² / ndf 0.0 / 0
Prob 0.000
Constant 0.0000 ± 0.0000
Mean 0.0000 ± 0.0000
Sigma 11.82 ± 0.00

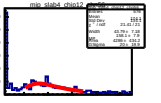

mip_slab4_chip0_chan27
Entries 2913
Mean 25.11
Std Dev 25.11
χ² / ndf 0.0 / 0
Prob 0.000
Constant -1.00 ± 0.00
Mean 300.00 ± 0.00
Sigma 10×10⁻¹⁵ ± 1.0×10⁻¹⁵


mip_slab4_chip0_chan28
Entries 1118
Mean 17.14
Std Dev 17.14
χ² / ndf 12.70 / 1.0
Prob 0.000
Constant 0.0000 ± 0.0000
Mean 0.0000 ± 0.0000
Sigma 17.14 ± 0.00


mip_slab4_chip33_ped_05
Entries 2667
Mean 266.2
Std Dev 65.78
χ² / ndf 507.7 / 1
Width 0.7ffac 0.02
Mean 266.2 ± 0.0
Sigma 64.47 ± 1.40e-02
Integral 2667 ± 52.6
300
250
200
150
100
50
0


mip_slab4_chip12


mip_slab4_chip12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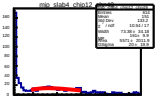
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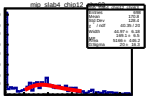
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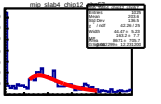
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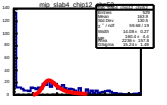
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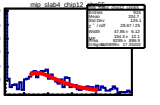
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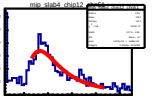
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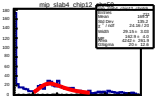
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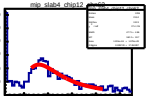
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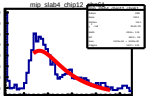
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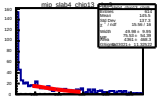
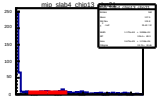

mip slab4 chip13
Entries 1024
Mean 165.5
Std Dev 12.02
χ² / ndf 15.87 / 16
Width 19.98 ± 9.95
MPV 75.93 ± 50.95
Integral 11.00 ± 0.00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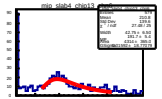
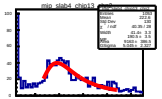
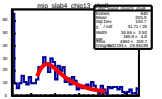
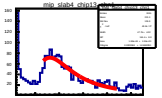
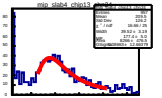
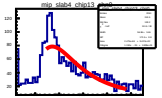

mip slab4 chip13
Entries 1024
Mean 203.4
Std Dev 13.12
χ² / ndf 27.68 / 29
Width 21.79 ± 9.32
MPV 154.1 ± 160.4
Integral 12.17 ± 0.00


mip slab4 chip13
Entries 1024
Mean 77.8
Std Dev 12.12
χ² / ndf 40.30 / 28
Width 21.41 ± 3.3
MPV 100.6 ± 3.4
Integral 9.165 ± 0.000
Sigma 5.165 ± 0.000


mip slab4 chip13
Entries 1024
Mean 202.1
Std Dev 13.12
χ² / ndf 31.71 / 31
Width 30.69 ± 3.71
MPV 165.6 ± 5.0
Integral 9.000 ± 0.000
Sigma 9.000 ± 0.000


mip slab4 chip13


mip slab4 chip13
Entries 1024
Mean 202.1
Std Dev 13.12
χ² / ndf 31.71 / 31
Width 30.69 ± 3.71
MPV 177.4 ± 5.0
Integral 9.000 ± 0.000
Sigma 9.000 ± 0.000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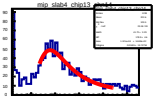
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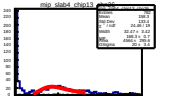
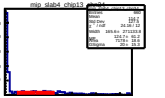
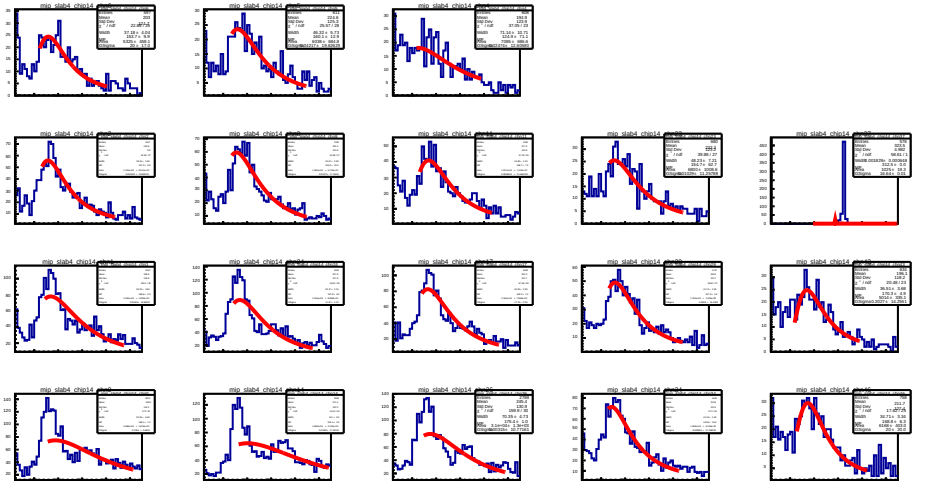
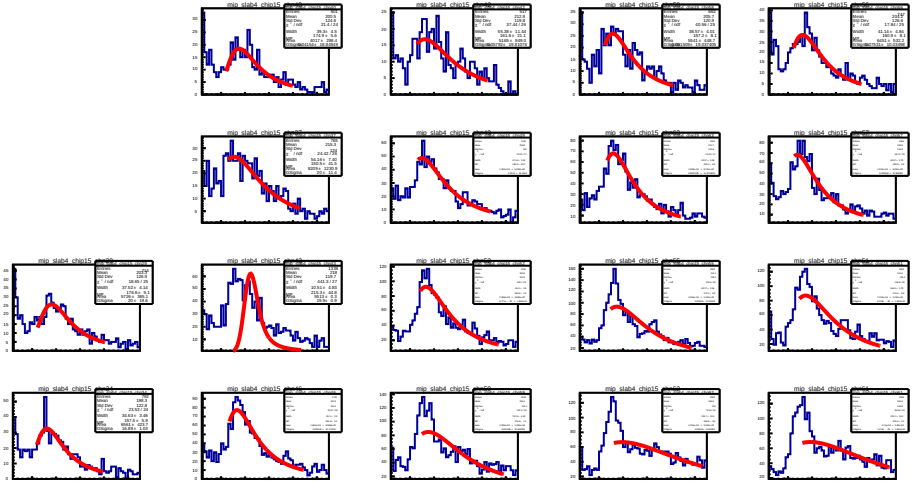

mip slab4 chip13
Entries 1024
Mean 190.2
Std Dev 12.12
χ² / ndf 24.87 / 18
Width 32.47 ± 3.42
MPV 200.0 ± 3.4
Integral 2000 ± 200.0
Sigma 20 ± 2


mip slab4 chip13
Entries 1024
Mean 194.1
Std Dev 12.12
χ² / ndf 24.87 / 21
Width 165.6 ± 371101.9
MPV 7.000 ± 0.000
Integral 7.000 ± 0.000
Sigma 7.000 ± 0.000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