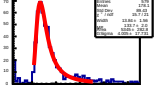
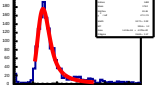
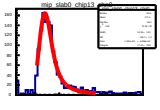
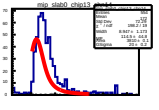
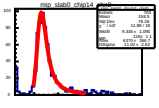
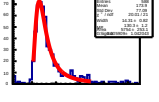

mip_slab0_chip12_chan30
Entries 1000
Mean 13.51
Std Dev 10.22
χ² / ndf 157.7 / 15
Width 13.60 ± 1.90
MPV 10.01 ± 0.07
Area 6589 ± 240.9
Sigma 4.559 ± 0.123

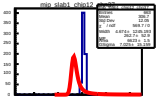

mip_slab0_chip12_chan30

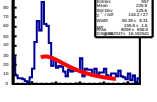

mip_slab0_chip13
Entries 1000
Mean 0.0
RMS 0.0
χ² / ndf 0.0 / 0
Prob 0.0
Constant 0.0 ± 0.0
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
Constant 0.0 ± 0.0
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
160
140
120
100
80
60
40
20
0

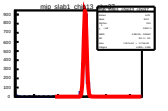

mip_slab0_chip13
Entries 1000
Mean 0.0
RMS 0.0
χ² / ndf 0.0 / 0
Prob 0.0
Constant 0.0 ± 0.0
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
Constant 0.0 ± 0.0
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
70
60
50
40
30
20
10
0

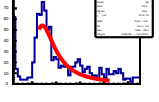

msp_slab0_chip14_adc
Entries 7996
Mean 78.15
RMS 7.77
χ² / ndf 11.87 / 13
Width 9.316 ± 1.091
Sigma 0.7 ± 0.1
Mpv 63.72 ± 2.66
Integral 11.02 ± 0.41
100
80
60
40
20
0

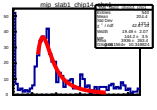

mip slab0 chip15 ped0
Entries 1700
Mean 1.128
Sigma 0.1218
χ² / ndf 20.03 / 15
Width 14.35 ± 4.50
MPV 1.000 ± 0.000
Area 5700 ± 263.5
Sigma/Width 0.0848

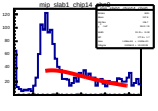

mip_slab1_chip12_strip3
Entries 1000
Mean 255.4
Std Dev 5663.7
Width 6.671± 1235.193
MPV 263.71± 52.8
Area 1000.0± 1000.0
Chi2/ndf 2.0051/ 15.128
400
350
300
250
200
150
100
50
0

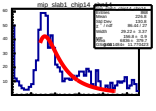

mip_slab1_chip12_strip3
Entries 1000
Mean 255.4
Std Dev 1127.7
Width 50.89± 8.16
MPV 1.0e+ 0.0
Area 1000.0± 1000.0
Chi2/ndf 14.0/ 6.0
70
60
50
40
30
20
10
0

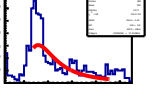

mip_slab1_chip13_strip7
Entries 1000
Mean 0.0000
RMS 0.0000
Underflow 0
Overflow 0
Integral 1000.
Skewness 0.0000
Kurtosis 0.0000
Constant 1000.
Mean 0.0000
Sigma 0.0000
900
800
700
600
500
400
300
200
100
0

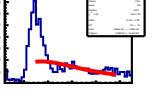

mip_slab1_chip13_strip7
Entries 1000
Mean 0.0000
RMS 0.0000
Underflow 0
Overflow 0
Integral 1000.
Skewness 0.0000
Kurtosis 0.0000
Constant 1000.
Mean 0.0000
Sigma 0.0000
70
60
50
40
30
20
10
0

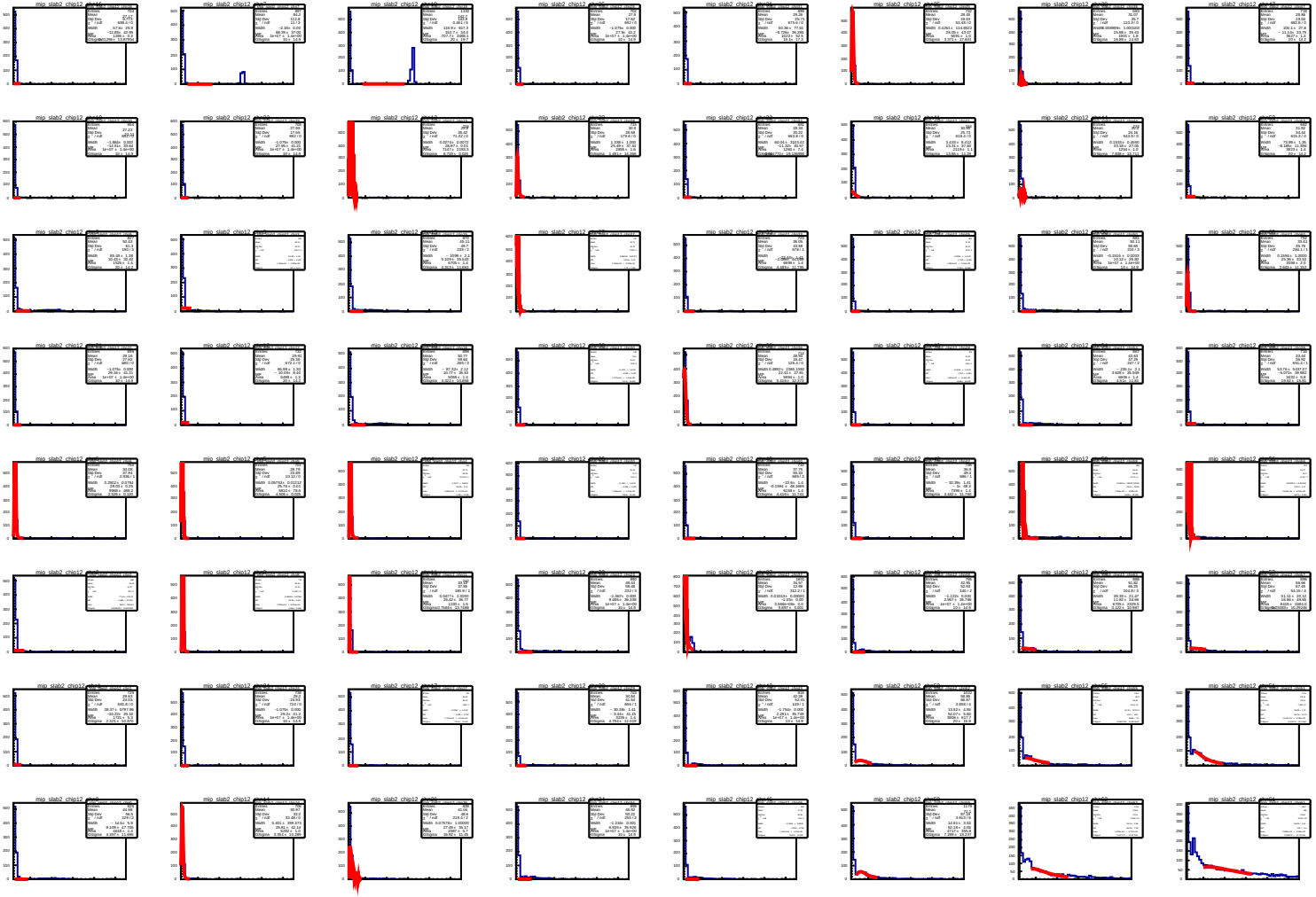

mip slab1 chip14 chnl
Entries 2000
Mean 29.27
Std Dev 17.14
χ² / ndf 47.13 / 13
Width 29.40 ± 3.07
MPV 140.2 ± 0.5
Area 10.92 ± 1.00
Sigma 10.00 ± 0.00
Chi Prob 0.000000

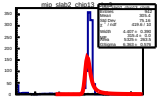

mip slab1 chip14 chnl

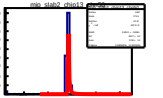

mip slab1 chip14 chnl
Entries 2000
Mean 29.27
Std Dev 17.14
χ² / ndf 50.87 / 17
Width 29.22 ± 3.17
MPV 140.1 ± 0.5
Area 9.80 ± 0.71
Sigma 10.00 ± 0.00
Chi Prob 0.000000

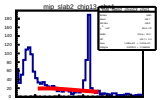

mip slab1 chip15 channel
Entries 1000
Mean 19.74
RMS 12.74
χ² / ndf 29.01 / 18
Prob 0.0000
Constant 57.00 ± 3.00
MPV 8.000 ± 0.000
Sigma 1.000 ± 0.000
Landau χ² / ndf 0.9000 / 1
Landau Prob 0.3428

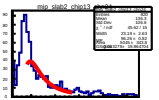

mip slab1 chip15 channel
Entries 1000
Mean 19.74
RMS 12.74
χ² / ndf 29.01 / 18
Prob 0.0000
Constant 57.00 ± 3.00
MPV 8.000 ± 0.000
Sigma 1.000 ± 0.000
Landau χ² / ndf 0.9000 / 1
Landau Prob 0.3428

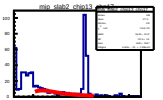


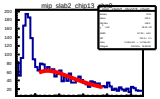

mip slab2 chip13 chan0
Entries 1024
Mean 203.4
Std Dev 19.17
χ² / ndf 419.31 / 13
Width 4.837 ± 0.390
Sigma 1.556 ± 0.13
MPV 203.4 ± 0.3
Integral 1.351 ± 0.014

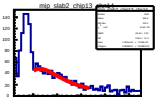

mip slab2 chip13 chan0

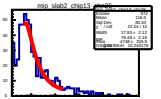

mip slab2 chip13 chan1

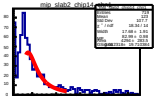

mip slab2 chip13 chan2
Entries 1024
Mean 120.2
Std Dev 120.6
χ² / ndf 1.1
Width 22.24 ± 2.43
MPV 59.26 ± 0.12
Integral 7010.5 ± 50.0
Integral 0.7 ± 0.0

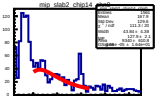

mip slab2 chip13 chan3

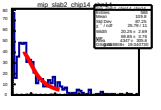

mip slab2 chip13 chan4

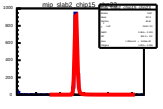

mip slab2 chip13 chan5

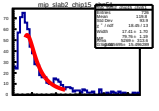

mip slab2 chip13 chan6
Entries 1024
Mean 33.61
Std Dev 22.61
χ² / ndf 22.61 / 13
Width 17.93 ± 2.12
Sigma 2.13 ± 0.12
MPV 27.68 ± 0.6
Integral 30.0 ± 0.0

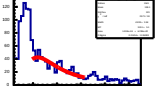

mip_slab2_chip14_chn1
Entries 1224
Mean 117.1
Std Dev 107.7
χ² / ndf 16.12 / 7
Constant 17.68 ± 3.91
MPV 82.99 ± 0.99
Width 10.00 ± 0.94
Sigma 28.72 ± 2.03

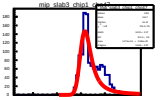

mip_slab2_chip14_chn2
Entries 1224
Mean 167.6
Std Dev 111.7
χ² / ndf 111.17 / 10
Constant 43.84 ± 0.29
MPV 111.17 ± 0.10
Width 0.0000 ± 0.0000
Sigma 45.1 ± 1.6E+05

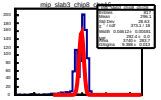

mip_slab2_chip14_chn14
Entries 1224
Mean 107.5
Std Dev 75.11
χ² / ndf 26.78 / 11
Constant 29.25 ± 2.63
MPV 75.11 ± 0.10
Width 2.647 ± 0.09
Sigma 28.67 ± 0.09

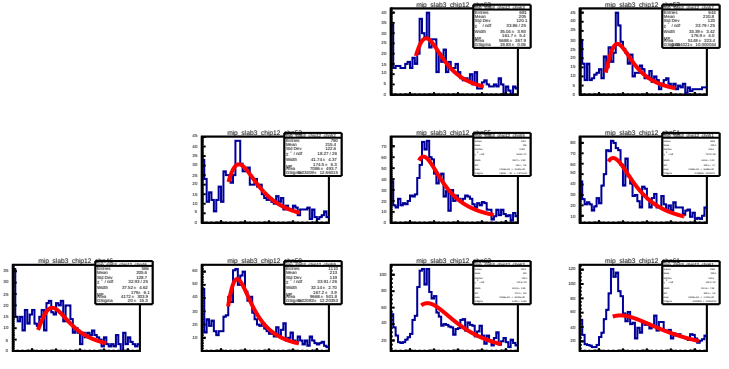

mip_slab2_chip15_ch13
Entries 1000
Mean 0.0
Std Dev 0.0
Underflow 0
Overflow 0
Integral 1000
Mean x 0.0
Mean y 1000.
Rms x 0.0
Rms y 0.0
Skewness x 0.0
Skewness y 0.0
Kurtosis x 0.0
Kurtosis y 0.0
1000
800
600
400
200
0


mip_slab2_chip15_ch15
Entries 1000
Mean 19.5
Std Dev 19.6
χ² / ndf 18.06 / 15
Prob 0.25
Constant 17.61 ± 1.15
Mean 19.76 ± 1.28
Sigma 19.61 ± 0.93
Integral 1000.0 ± 30.0
75
60
45
30
15
0


mip_slab2_chip15_ch16
Entries 1000
Mean 19.5
Std Dev 19.6
χ² / ndf 18.06 / 15
Prob 0.25
Constant 17.61 ± 1.15
Mean 19.76 ± 1.28
Sigma 19.61 ± 0.93
Integral 1000.0 ± 30.0
75
60
45
30
15
0


mip_slab3_chist_chist3
Entries 1000
Mean 1.174
Mean x 1.174
Std Dev 0.1
Std Dev x 0.1
Integral 1000.
Skewness 1.
Skewness x 1.
Kurtosis 1.
Kurtosis x 1.
Underflow 0.
Overflow 0.
Constant 1.
Mean 1.174
Sigma 0.1
Landau p0 0.9999
Landau p1 0.1
Landau p2 0.0999


msp slab3 chp8 ch4k5
Entries 1000
Mean 2.5
Sigma 0.5
Chi2/Ndf 28.63
p0 / ndf 3732.1 / 16
Mean0 0.00612± -0.00606
Sigma0 0.0000 ± 0.0000
Mean1 2.0000 ± 2.0000
Sigma1 0.0000 ± 0.0000
200
180
160
140
120
100
80
60
40
20
0


mip_slab3_chip12_chan55
mip_slab3_chip12_chan56
mip_slab3_chip12_chan57
mip_slab3_chip12_chan58
mip_slab3_chip12_chan59
mip_slab3_chip12_chan60
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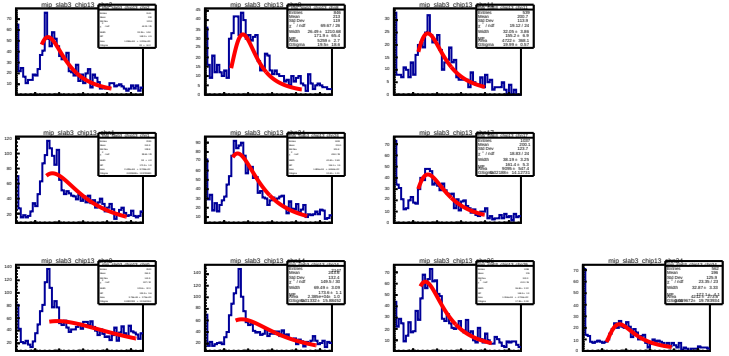
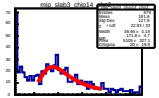
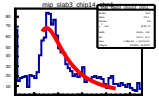
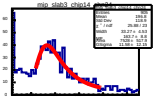
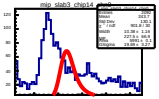
mip_slab3_chip12_chan62
mip_slab3_chip12_chan63
mip_slab3_chip12_chan64

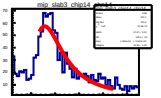

mip_slab3_chip13_chan1
mip_slab3_chip13_chan2
mip_slab3_chip13_chan3
mip_slab3_chip13_chan4
mip_slab3_chip13_chan5
mip_slab3_chip13_chan6
mip_slab3_chip13_chan7
mip_slab3_chip13_chan8
mip_slab3_chip13_chan9
mip_slab3_chip13_chan10
mip_slab3_chip13_chan11
mip_slab3_chip13_chan12


mip_slab3_chip14_strip1
Entries 1024
Mean 23.8
Std Dev 11.6
χ² / ndf 20.667 / 29
Width 29.00 ± 0.23
MPV 173.8 ± 4.7
Area 1000 ± 0.0
Sigma 19.00 ± 0.0


mip_slab3_chip14_strip2
Entries 1024
Mean 23.8
Std Dev 11.6
χ² / ndf 901.8 / 58
Width 10.38 ± 1.18
MPV 1.000 ± 0.0
Area 1000 ± 0.0
Sigma 19.00 ± 0.0


mip_slab3_chip14_strip3
Entries 1024
Mean 23.8
Std Dev 11.6
χ² / ndf 1.000 / 1
Width 33.27 ± 0.43
MPV 1007.7 ± 0.0
Area 1000 ± 0.0
Sigma 11.00 ± 0.0


mip_slab3_chip14_strip4
Entries 1024
Mean 23.8
Std Dev 11.6
χ² / ndf 901.8 / 58
Width 10.38 ± 1.18
MPV 1.000 ± 0.0
Area 1000 ± 0.0
Sigma 19.00 ± 0.0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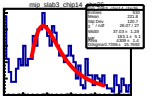
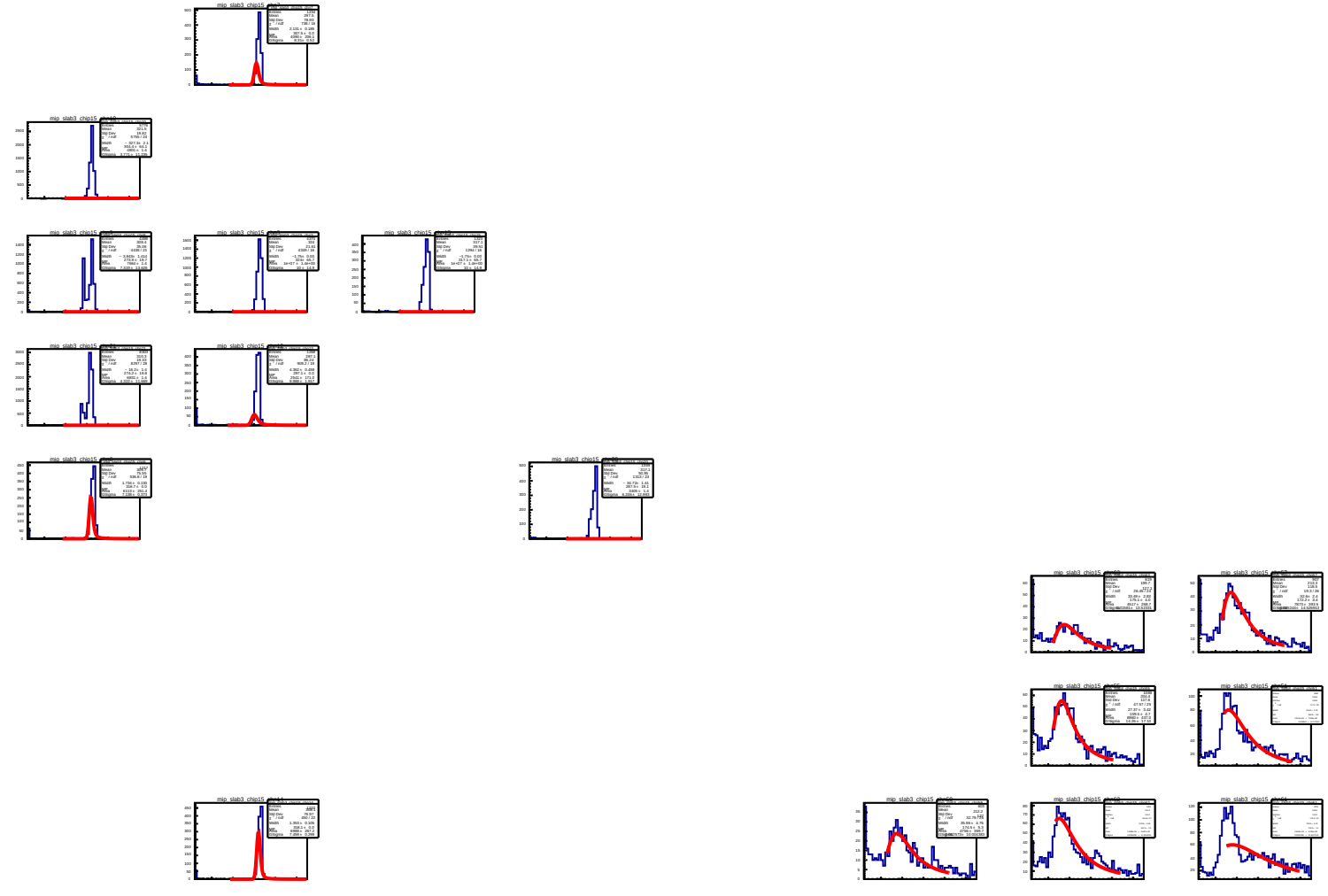
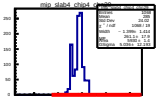
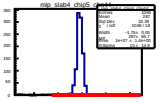
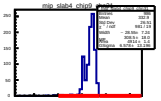
Entries 1024
Mean 23.8
Std Dev 11.6
χ² / ndf 1.000 / 1
Width 33.27 ± 0.43
MPV 1007.7 ± 0.0
Area 1000 ± 0.0
Sigma 11.00 ± 0.0

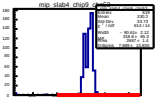

mip_slab3_chip14_strip6
Entries 1024
Mean 23.8
Std Dev 11.6
χ² / ndf 26.677 / 27
Width 37.03 ± 1.29
MPV 1.000 ± 0.0
Area 1000 ± 0.0
Sigma 11.00 ± 0.0

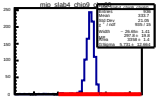


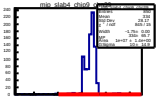

mip slab4 cpid1 ptm20
Entries 1000
Mean 2.00
Std Dev 28.02
χ / ndf 1.00 / 1
p1 1.398e+ 3 ± 4.4
p2 263.3 ± 17.8
p3 0.0000 ± 0.0
Integral 1.398e+ 3 ± 3.5
250
200
150
100
50
0

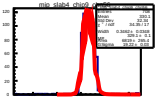

mip slab4 chip5 channel
Entries 1024
Mean 32.00
Std Dev 10.00
χ / ndf 1040 / 14
Prob 0.000
Constant 1e+07 ± 1.2e+02
Mean 32.00 ± 0.00
Sigma 10.00 ± 0.00
350
300
250
200
150
100
50
0

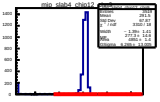

mip_slab4_chip0_chan34
Entries 1 0
Mean 34.00
Std Dev 26.01
χ² / ndf 9161 / 19
Prob 0
Constant 28.00± 7.20
Mean -26.01± 0.01
Sigma -28.41± 5.0
Chi2/ndf 9161 / 19

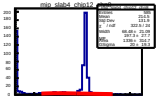

mip_slab4_chip0_chan35
Entries 1 0
Mean 35.00
Std Dev 27.17
χ² / ndf 612 / 11
Prob 0
Constant 90.61± 0.12
Mean 35.00± 0.01
Sigma 28.87± 0.2
Chi2/ndf 612 / 11

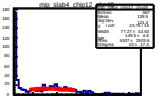

mip_slab4_chip0_chan36
Entries 1 0
Mean 36.00
Std Dev 28.17
χ² / ndf 820 / 15
Prob 0
Constant 26.00± 1.41
Mean 36.00± 0.1
Sigma 29.00± 0.2
Chi2/ndf 820 / 15

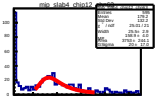

mip_slab4_chip0_chan37
Entries 1 0
Mean 37.00
Std Dev 29.17
χ² / ndf 28 / 1
Prob 0
Constant -1.70± 0.42
Mean 37.00± 0.0
Sigma 14+07 ± 1.0e+06
Chi2/ndf 28 / 1

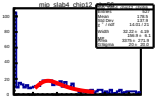

mip_slab4_chip0_chan38
Entries 1 0
Mean 38.00
Std Dev 30.17
χ² / ndf 34.26 / 13
Prob 0
Constant 0.3461± 0.0545
Mean 38.00± 0.0
Sigma 60.01± 20.4
Chi2/ndf 34.26 / 13

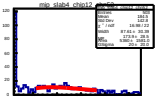

mip_slab4_chip12_ch0
Entries 1000
Mean 291.6
Std Dev 17.04
χ² / ndf 3307./ 44
Width 1.391 ± 1.41
77.27 ± 14.6
Mean 291.6 ± 0.5
Integral 3.998e + 03 ± 0.00

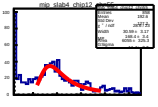

mip_slab4_chip12_ch0
Entries 1000
Mean 297.5
Std Dev 17.27
χ² / ndf 322.5/ 28
Width 68.48 ± 23.26
297.5 ± 27.7
Mean 1.000e + 03 ± 0.00
Integral 3.998e + 03 ± 0.00

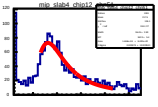

mip_slab4_chip12_ch0
Entries 1000
Mean 1.000e + 03
Std Dev 1.000e + 03
χ² / ndf 1.000e + 03
Width 77.27 ± 43.91
145.9 ± 9.6
Mean 1.000e + 03 ± 0.00
Integral 3.998e + 03 ± 0.00

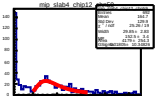

mip_slab4_chip12_ch0
Entries 1000
Mean 1.000e + 03
Std Dev 1.000e + 03
χ² / ndf 25.00 / 25
Width 25.00 ± 2.9
1168.8 ± 4.0
Mean 1.000e + 03 ± 0.00
Integral 3.998e + 03 ± 0.00

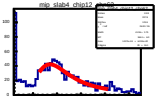

mip_slab4_chip12_ch0
Entries 1000
Mean 1.000e + 03
Std Dev 1.000e + 03
χ² / ndf 14.61 / 21
Width 32.61 ± 4.25
1.000e + 03 ± 0.00
Mean 1000.1 ± 1.1
Integral 3.998e + 03 ± 0.00


mip_slab4_chip12_ch0
Entries 1000
Mean 1.000e + 03
Std Dev 1.000e + 03
χ² / ndf 1.000e + 03
Width 87.64 ± 30.26
173.9 ± 28.6
Mean 1.000e + 03 ± 0.00
Integral 3.998e + 03 ± 0.00


mip_slab4_chip12_ch0
Entries 1000
Mean 1.000e + 03
Std Dev 1.000e + 03
χ² / ndf 27.71 / 25
Width 30.98 ± 3.27
1168.4 ± 3.4
Mean 1.000e + 03 ± 0.00
Integral 3.998e + 03 ± 0.00


mip_slab4_chip12_ch0
Entries 1000
Mean 1.000e + 03
Std Dev 1.000e + 03
χ² / ndf 1.000e + 03
Width 1.000e + 03 ± 0.00
1.000e + 03 ± 0.00
Mean 1.000e + 03 ± 0.00
Integral 3.998e + 03 ± 0.00


mip_slab4_chip12_ch0
Entries 1000
Mean 1.000e + 03
Std Dev 1.000e + 03
χ² / ndf 25.26 / 19
Width 29.89 ± 2.93
1168.8 ± 3.6
Mean 1.000e + 03 ± 0.00
Integral 3.998e + 03 ± 0.00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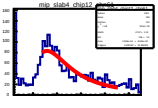
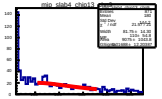
Entries 1000
Mean 1.000e + 03
Std Dev 1.000e + 03
χ² / ndf 1.000e + 03
Width 1.000e + 03 ± 0.00
1.000e + 03 ± 0.00
Mean 1.000e + 03 ± 0.00
Integral 3.998e + 03 ± 0.00


mip_slab4_chip12_ch0
Entries 1000
Mean 1.000e + 03
Std Dev 1.000e + 03
χ² / ndf 1.000e + 03
Width 1.000e + 03 ± 0.00
1.000e + 03 ± 0.00
Mean 1.000e + 03 ± 0.00
Integral 3.998e + 03 ± 0.00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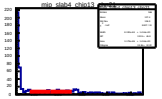
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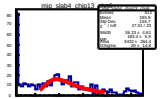
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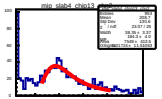
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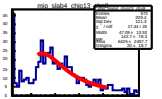
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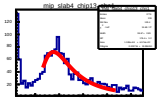
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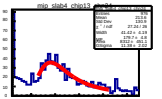
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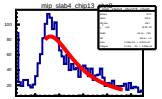
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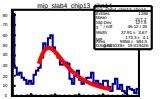
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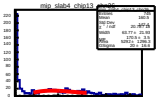
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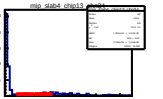
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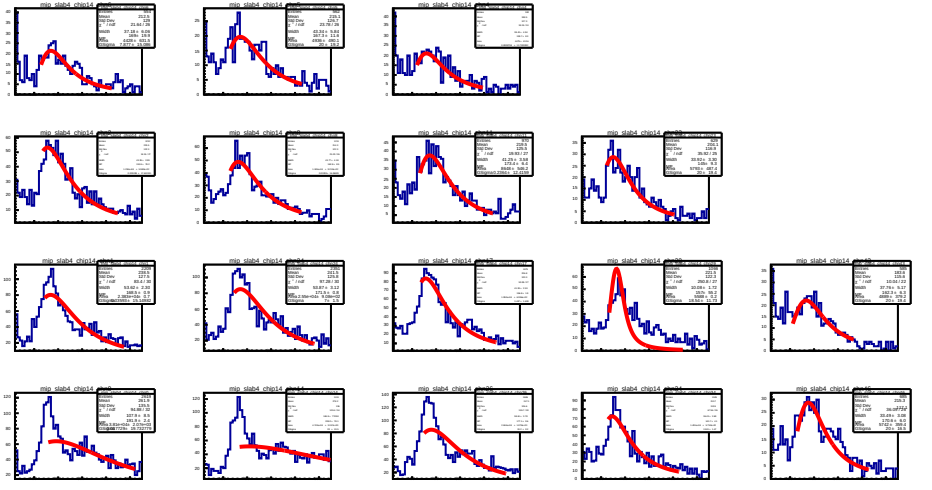
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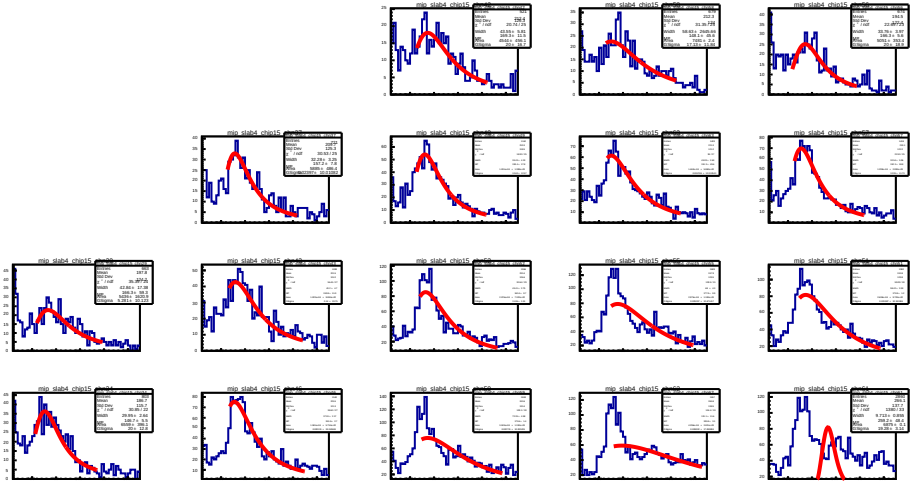
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