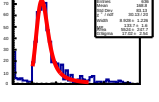
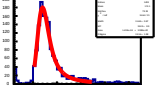
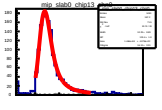
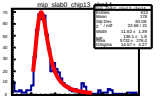
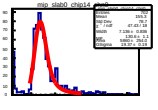
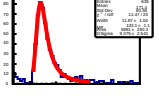

mip_slab0_chip12_channel0
Entries 1000
Mean 39.23
RMS 39.18
χ² / ndf 30.17 / 23
Width 8.928 ± 1.226
Area 1000 ± 0.0
MPV 55.03 ± 2.07
Sigma 17.02 ± 0.0

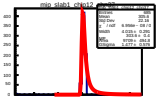

mip_slab0_chip12_channel0
Entries 1000
Mean 39.23
RMS 39.18
χ² / ndf 30.17 / 23
Width 8.928 ± 1.226
Area 1000 ± 0.0
MPV 55.03 ± 2.07
Sigma 17.02 ± 0.0

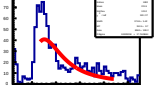

mip_slab0_chip13
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0.0
Overflow 0.0
χ^2 / ndf 22.88 / 21
Width 11.82 ± 1.19
Sigma 0.0 ± 0.0
MPV 5.722 ± 0.0
Integral 14.57 ± 0.0

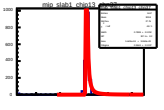

mip_slab0_chip14
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0.0
Overflow 0.0
χ^2 / ndf 33.05 / 22
Width 11.82 ± 1.19
Sigma 0.0 ± 0.0
MPV 5.722 ± 0.0
Integral 14.57 ± 0.0

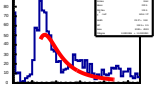

msp_slab0_chip14_ADC
Entries 1000
Mean 159.2
RMS 19.77
χ² / ndf 47.43 / 34
Width 7.336 ± 0.836
Area 1000 ± 0.0
MPV 168.0 ± 0.0
Sigma 19.97 ± 0.0
90
80
70
60
50
40
30
20
10
0

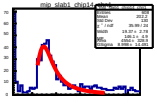

mip slab0 chip15 ped0
Entries 1000
Mean 11.97
RMS 1.19
Underflow 0
Overflow 0
χ^2 / ndf 11.97 / 15
Width 11.97 ± 1.00
Mpv 11.97 ± 0.00
Area 1000 ± 24.7
Sigma 0.570 ± 0.00

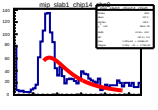

mip_slab1_chip12_chan32
Entries 3000
Mean 355.8
Std Dev 8.0
χ² / ndf 6.956e+ 02 / 9
Const 4.215e+ 02 ± 2.291
MPV 353.6 ± 0.4
Sigma 1.277 ± 0.016
400
350
300
250
200
150
100
50
0

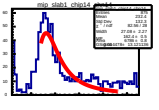

mip_slab1_chip12_chan36
Entries 3000
Mean 355.8
Std Dev 8.0
χ² / ndf 6.956e+ 02 / 9
Const 4.215e+ 02 ± 2.291
MPV 353.6 ± 0.4
Sigma 1.277 ± 0.016
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5

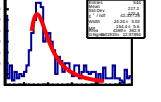

mip_slab1_chip13_chan2
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 1000.
χ² / ndf 0.0 / 0
Constant ± Error 1000.0 ± 0.0
Mean ± Error 0.0 ± 0.0
Sigma ± Error 0.0 ± 0.0
1000
800
600
400
200
0

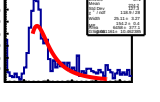

mip_slab1_chip13_chan1
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 1000.
χ² / ndf 0.0 / 0
Constant ± Error 1000.0 ± 0.0
Mean ± Error 0.0 ± 0.0
Sigma ± Error 0.0 ± 0.0
Landau ± Error
90
80
70
60
50
40
30
20
10
0

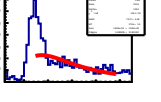

mip slab1 chip14 chan1
Entries 2000
Mean 39.22
Std Dev 3.92
χ² / ndf 35.95 / 19
Constant 19.37 ± 2.78
Mean 5.65 ± .63
Sigma 0.997 ± 0.053
Integral 8.998 ± 1.253

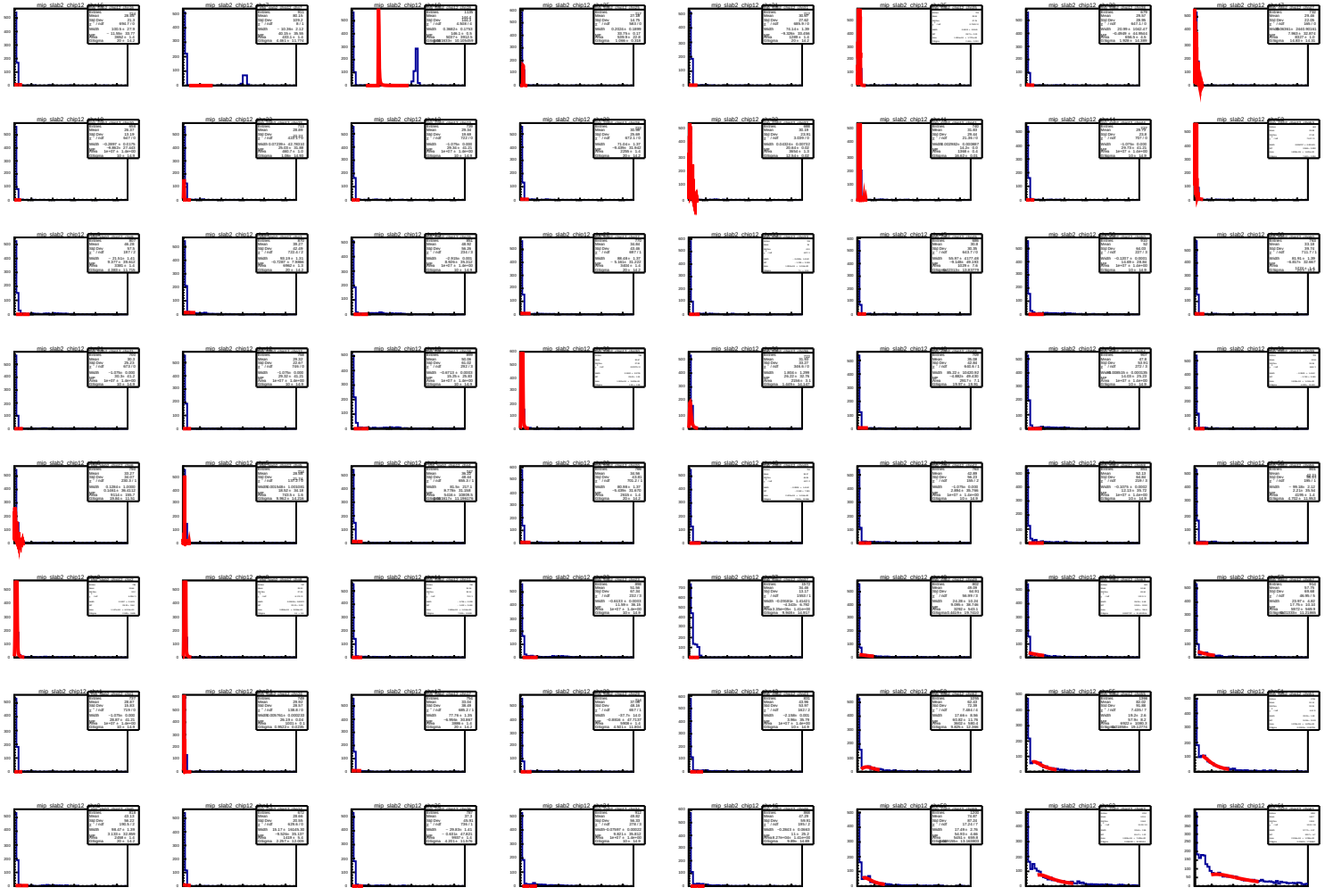

mip slab1 chip14 chan2

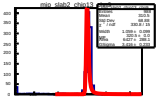

mip slab1 chip14 chan3
Entries 2000
Mean 33.12
Std Dev 3.12
χ² / ndf 62.80 / 20
Width 27.09 ± 2.27
Sigma 1.09 ± 0.05
Area 5750 ± 5.5
Integral 5750 ± 5.5

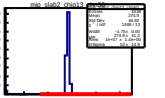

mip slab1 chip15 chn56
Entries 1000
Mean 20.77
Std Dev 2.07
χ² / ndf 22.07 / 16
Prob 0.1455
Width 35.24 ± 3.05
MPV 250.0 ± 0.6
Area 1000.0 ± 0.0
Conv integral 1000.0

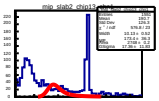

mip slab1 chip15 chn55
Entries 1000
Mean 19.4
Std Dev 1.58
χ² / ndf 1.58 / 16
Prob 0.0
Width 25.11 ± 3.27
MPV 250.0 ± 0.6
Area 1000.0 ± 177.1
Conv integral 1000.0

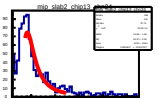

mip slab1 chip15 chn54
Entries 1000
Mean 19.4
Std Dev 1.58
χ² / ndf 1.58 / 16
Prob 0.0
Width 25.11 ± 3.27
MPV 250.0 ± 0.6
Area 1000.0 ± 177.1
Conv integral 1000.0

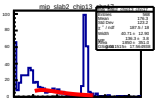


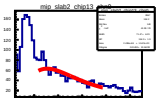

mip slab2 chip13 chan0
Entries 1000
Mean 1015
Std Dev 19.13
χ² / ndf 330.97 / 15
Width 1.556 ± 0.096
Peak 1009 ± 0.3
Area 1.4e+3 ± 0.1
Integral 1.4e+3 ± 0.0

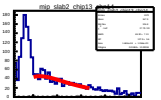

mip slab2 chip13 chan1
Entries 1000
Mean 274.8
Std Dev 12.12
χ² / ndf 1400 / 13
Width -1.79e-3 0.60
Peak 274.8 ± 24.2
Area 1e+4 ± 1.1e+4
Integral 1e+4 ± 1.1e+4

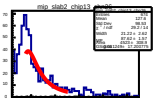

mip slab2 chip13 chan2
Entries 1000
Mean 1011
Std Dev 129.3
χ² / ndf 9791 / 13
Width 33.12 ± 0.52
Peak 1710 ± 39.3
Area 1.7e+4 ± 1.2
Integral 1.7e+4 ± 1.2

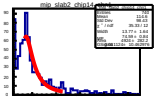

mip slab2 chip13 chan3
Entries 1000
Mean 97.61
Std Dev 107.2
χ² / ndf 1973 / 13
Width 35.71 ± 12.50
Peak 336.3 ± 3.6
Area 1.9e+3 ± 20.0
Integral 1.9e+3 ± 17.0

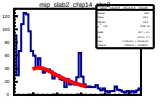

mip slab2 chip13 chan4
Entries 1000
Mean 113.2
Std Dev 107.2
χ² / ndf 1973 / 13
Width 35.71 ± 12.50
Peak 336.3 ± 3.6
Area 1.9e+3 ± 20.0
Integral 1.9e+3 ± 17.0

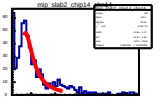

mip slab2 chip13 chan5
Entries 1000
Mean 1.e+3
Std Dev 1.e+3
χ² / ndf 0.e+0 / 0
Width 0.e+0 ± 0.e+0
Peak 0.e+0 ± 0.e+0
Area 0.e+0 ± 0.e+0
Integral 0.e+0 ± 0.e+0

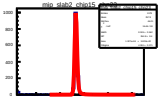

mip slab2 chip13 chan6
Entries 1000
Mean 1.e+3
Std Dev 1.e+3
χ² / ndf 0.e+0 / 0
Width 0.e+0 ± 0.e+0
Peak 0.e+0 ± 0.e+0
Area 0.e+0 ± 0.e+0
Integral 0.e+0 ± 0.e+0

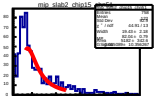

mip slab2 chip13 chan7
Entries 1000
Mean 1.e+3
Std Dev 1.e+3
χ² / ndf 0.e+0 / 0
Width 0.e+0 ± 0.e+0
Peak 0.e+0 ± 0.e+0
Area 0.e+0 ± 0.e+0
Integral 0.e+0 ± 0.e+0

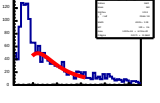

mip_slab2_chip14_chn1
Entries 10000
Mean 13.17
Std Dev 10.43
χ² / ndf 36.58 / 19
p1 13.77 ± 1.64
Mpv 74.98 ± 0.84
Eta 10.01 ± 0.07
Sigma 0.0000 ± 0.0000

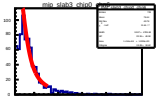

mip_slab2_chip14_chn2

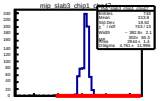

mip_slab2_chip14_chn14

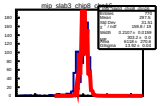

mip_slab2_chip15_ch13
Entries 2000
Mean 0.0000
Std Dev 0.0000
χ² / ndf 0.0000 / 0
Prob 0.0000
Constant 1000.0 ± 0.0000
Mean 0.0000 ± 0.0000
Sigma 0.0000 ± 0.0000
1000
800
600
400
200
0

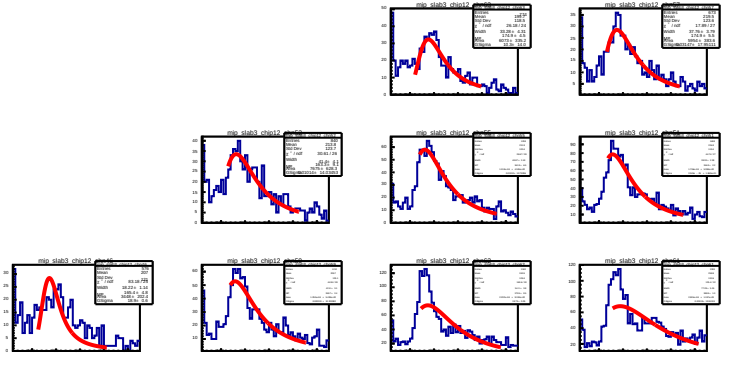

mip_slab2_chip15_ch14
Entries 2000
Mean 0.0000
Std Dev 0.0000
χ² / ndf 0.0000 / 0
Prob 0.0000
Constant 1000.0 ± 0.0000
Mean 0.0000 ± 0.0000
Sigma 0.0000 ± 0.0000
70
60
50
40
30
20
10
0

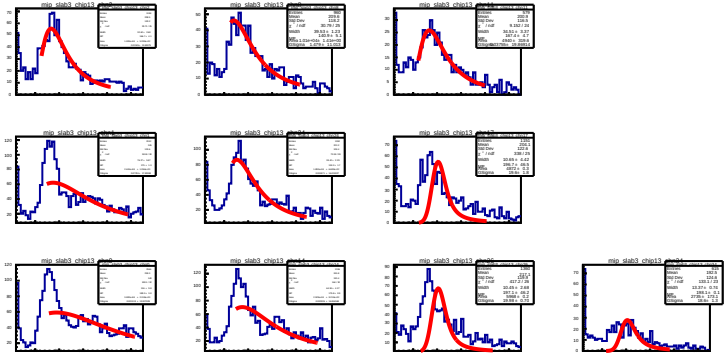

mip_slab2_chip15_ch15
Entries 2000
Mean 0.0000
Std Dev 0.0000
χ² / ndf 0.0000 / 0
Prob 0.0000
Constant 1000.0 ± 0.0000
Mean 0.0000 ± 0.0000
Sigma 0.0000 ± 0.0000
70
60
50
40
30
20
10
0


mip_slab3_chip0
Entries 1000
Mean 1.000
Mean x 0.5
Std Dev 0.4
Std Dev x 0.29
Integral 1000.
Underflow 0.000
Overflow 0.000
Constant 1.000 ± 0.000
Mean 0.000 ± 0.000
Sigma 1.000 ± 0.000
100
80
60
40
20
0


mip_slab3_chip1_chan0
Entries 1000
Mean 3.03
Std Dev 18.70
χ² / ndf 102.7 / 3
Width 382.8e-3 ± 2.2
Sigma 1.000 ± 0.0
MPV 3.034 ± 0.0
Sigma_G 41.11 ± 0.0


msp_slab3_chp8_c4x16
Entries 1 Mean x 0.0000
Mean 29.71
RMS 31.34
χ / ndf 1930.8 / 59
Amplitude 0.2107 ± 0.01108
Mean 0.0000 ± 0.0000
Sigma 0.1184 ± 0.0016
Integral 14.92 ± 0.15
180
160
140
120
100
80
60
40
20
0


mip_slab3_chip12_chan56
mip_slab3_chip12_chan57
mip_slab3_chip12_chan58
mip_slab3_chip12_chan59
mip_slab3_chip12_chan60
mip_slab3_chip12_chan61
mip_slab3_chip12_chan62
mip_slab3_chip12_chan63
mip_slab3_chip12_chan64
mip_slab3_chip12_chan65
mip_slab3_chip12_chan66
mip_slab3_chip12_chan67


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
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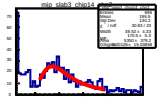
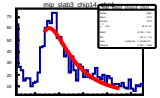
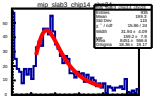
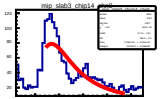
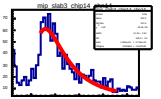
mip_slab3_chip13_chan12

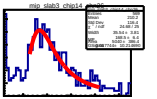

mip_slab3_chip14_chan1
Entries 1004
Mean 233.5
Std Dev 24.67
χ² / ndf 30.657 / 23
Prob 0.1
Constant 19.52 ± 4.23
Mean 170.6 ± 5.3
Sigma 17.9 ± 3.8
Landau - Gaussian
Constant 51.1 ± 10.0
Mean 233.4 ± 0.6
Sigma 24.7 ± 0.4

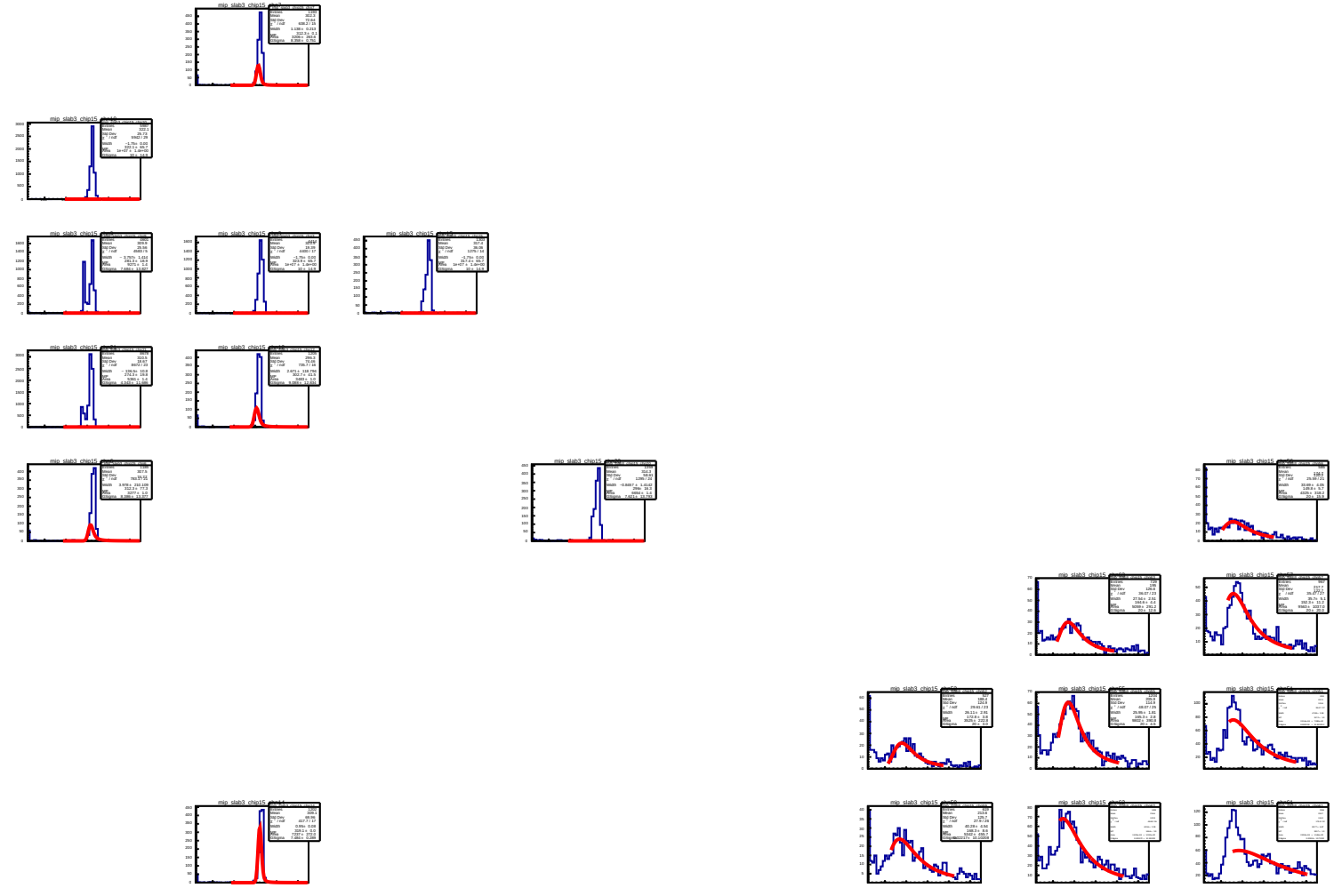

mip_slab3_chip14_chan1
Entries 1004
Mean 233.5
Std Dev 24.67
χ² / ndf 30.657 / 23
Prob 0.1
Constant 19.52 ± 4.23
Mean 170.6 ± 5.3
Sigma 17.9 ± 3.8
Landau - Gaussian
Constant 51.1 ± 10.0
Mean 233.4 ± 0.6
Sigma 24.7 ± 0.4

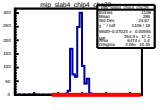

mip_slab3_chip14_chan1
Entries 1004
Mean 233.5
Std Dev 24.67
χ² / ndf 30.657 / 23
Prob 0.1
Constant 19.52 ± 4.23
Mean 170.6 ± 5.3
Sigma 17.9 ± 3.8
Landau - Gaussian
Constant 51.1 ± 10.0
Mean 233.4 ± 0.6
Sigma 24.7 ± 0.4

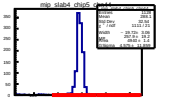

mip_slab3_chip14_chan1
Entries 1004
Mean 233.5
Std Dev 24.67
χ² / ndf 30.657 / 23
Prob 0.1
Constant 19.52 ± 4.23
Mean 170.6 ± 5.3
Sigma 17.9 ± 3.8
Landau - Gaussian
Constant 51.1 ± 10.0
Mean 233.4 ± 0.6
Sigma 24.7 ± 0.4

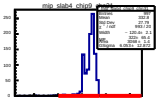

mip_slab3_chip14_chan1
Entries 1004
Mean 233.5
Std Dev 24.67
χ² / ndf 30.657 / 23
Prob 0.1
Constant 19.52 ± 4.23
Mean 170.6 ± 5.3
Sigma 17.9 ± 3.8
Landau - Gaussian
Constant 51.1 ± 10.0
Mean 233.4 ± 0.6
Sigma 24.7 ± 0.4

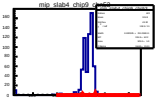

mip_slab3_chip14_chan1
Entries 1004
Mean 233.5
Std Dev 24.67
χ² / ndf 30.657 / 23
Prob 0.1
Constant 19.52 ± 4.23
Mean 170.6 ± 5.3
Sigma 17.9 ± 3.8
Landau - Gaussian
Constant 51.1 ± 10.0
Mean 233.4 ± 0.6
Sigma 24.7 ± 0.4

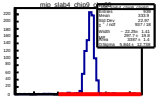


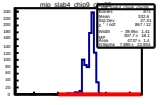

mip slab4 chip4 chan20
Entries 1000
Mean 2.09
Std Dev 24.07
χ / ndf 1.e+07
p0 0.0000 ± 0.0000
p1 26.6 ± 12.2
p2 2.000 ± 0.00
p3 0.000 ± 0.00
300
250
200
150
100
50
0

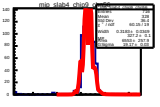

mip slab4 chip5 channel
Entries 3584
Mean 3581
RMS 1.4
χ² / ndf 1117 / 15
Prob 0
Width - 10.75± 3.05
Mean 3581.0 ± 0.0
Sigma 1.4 ± 0.0
Amplitude 1476 ± 17.0
350
300
250
200
150
100
50
0

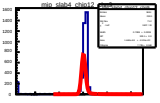

mip_slab4_chip0_ch04
Entries 1 Histogram
Mean 28.00
Std Dev 22.78
χ / ndf 9161 / 24
Prob 0.0
Width 125.0± 2.1
Mean 28.00± 0.01
Sigma 3.04± 0.03
Chi2/ndf 9161 / 24

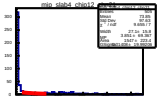

mip_slab4_chip0_ch05

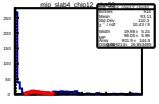

mip_slab4_chip0_ch06

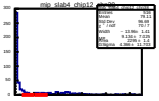

mip_slab4_chip0_ch07


mip_slab4_chip0_ch08


mip slab4 chip12


mip slab4 chip12


mip slab4 chip12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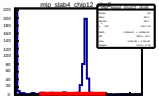
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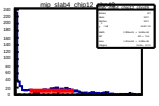
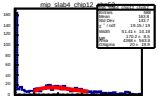
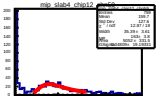
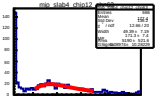
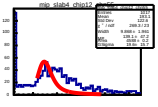

mip slab4 chip12


mip slab4 chip12


mip slab4 chip12


mip slab4 chip12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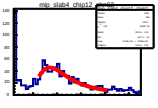
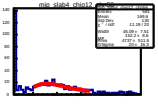

mip slab4 chip12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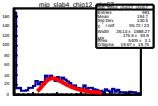
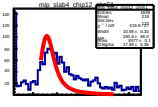

mip slab4 chip12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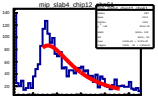
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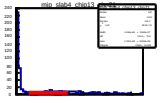
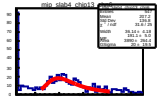
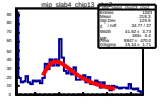
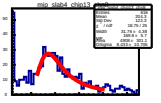
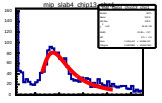
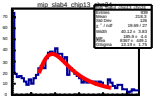

mip slab4 chip13 strip15
Entries 10
Mean 1.0
RMS 0.0
χ² / ndf 0.00 / 0
Constant 1.000e+01 ± 0.000e+00
Mean 1.000e+00 ± 0.000e+00
Sigma 0.000e+00 ± 0.000e+00

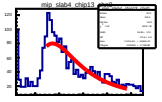

mip slab4 chip13 strip16
Entries 2017
Mean 23.4
Std Dev 31.8
χ² / ndf 31.87 / 39
Constant 1.000e+01 ± 4.38
Mean 19.8 ± 4.28
RMS 1.000e+01 ± 1.000e+01
Sigma 20.7 ± 3.1

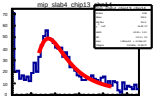

mip slab4 chip13 strip17
Entries 1334
Mean 23.8
Std Dev 34.7
χ² / ndf 34.77 / 37
Constant 21.82 ± 3.73
Mean 0.4 ± 0.4
RMS 1.000e+01 ± 1.000e+01
Sigma 19.14 ± 1.12

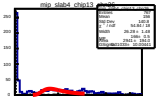

mip slab4 chip13 strip18
Entries 2017
Mean 23.4
Std Dev 38.7
χ² / ndf 38.76 / 41
Constant 31.79 ± 4.39
Mean 19.8 ± 5.1
RMS 1.000e+01 ± 1.000e+01
Sigma 4.000e+00 ± 0.000e+00

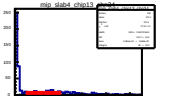

mip slab4 chip13 strip19
Entries 1334
Mean 23.8
Std Dev 29.6
χ² / ndf 40.12 / 37
Constant 19.5 ± 2.2
Mean 0.4 ± 0.4
RMS 1.000e+01 ± 1.000e+01
Sigma 19.14 ± 0.71

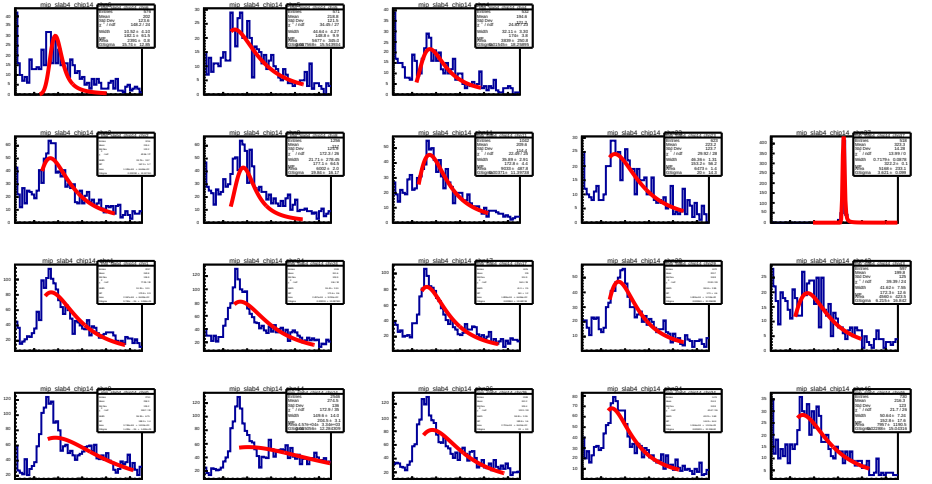

mip slab4 chip13 strip20
Entries 2017
Mean 23.4
Std Dev 28.6
χ² / ndf 28.66 / 39
Constant 40.12 ± 3.47
Mean 19.5 ± 2.1
RMS 1.000e+01 ± 1.000e+01
Sigma 19.14 ± 0.71


mip slab4 chip13 strip21
Entries 1334
Mean 23.8
Std Dev 24.7
χ² / ndf 24.74 / 37
Constant 24.74 ± 2.74
Mean 0.4 ± 0.4
RMS 1.000e+01 ± 1.000e+01
Sigma 19.14 ± 0.71


mip slab4 chip13 strip22
Entries 2017
Mean 23.4
Std Dev 24.7
χ² / ndf 24.74 / 39
Constant 24.74 ± 2.74
Mean 19.5 ± 2.1
RMS 1.000e+01 ± 1.000e+01
Sigma 19.14 ± 0.71


mip slab4 chip13 strip23
Entries 2017
Mean 23.4
Std Dev 10.0
χ² / ndf 54.67 / 18
Constant 26.29 ± 1.49
Mean 19.5 ± 0.8
RMS 2.000e+01 ± 2.000e+01
Sigma 1.000e+01 ± 0.000e+01


mip slab4 chip13 strip24
Entries 10
Mean 1.0
RMS 0.0
χ² / ndf 0.00 / 0
Constant 1.000e+01 ± 0.000e+00
Mean 1.000e+00 ± 0.000e+00
Sigma 0.000e+00 ± 0.000e+00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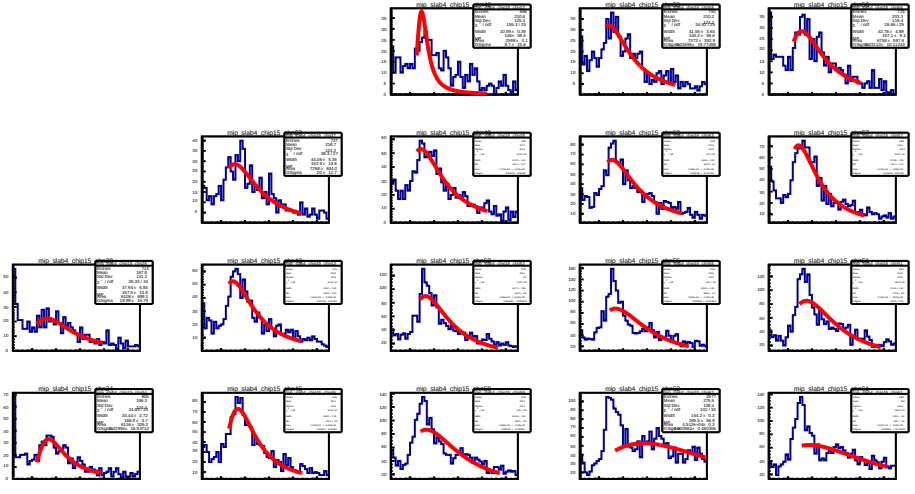
mip_slab4_chip15_chan56
mip_slab4_chip15_chan57
mip_slab4_chip15_chan58
mip_slab4_chip15_chan59
mip_slab4_chip15_chan60
mip_slab4_chip15_chan61
mip_slab4_chip15_chan62
mip_slab4_chip15_chan63
mip_slab4_chip15_chan64
mip_slab4_chip15_chan65
mip_slab4_chip15_chan66
mip_slab4_chip15_chan67
mip_slab4_chip15_chan68
mip_slab4_chip15_chan69
mip_slab4_chip15_chan70
mip_slab4_chip15_chan71
mip_slab4_chip15_chan72
mip_slab4_chip15_chan73
mip_slab4_chip15_chan74
mip_slab4_chip15_chan75