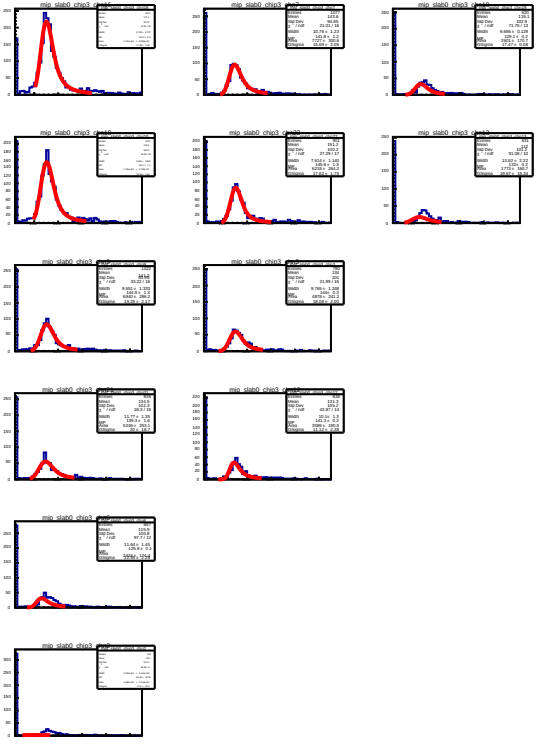
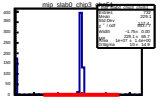
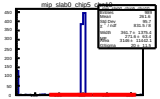
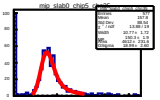
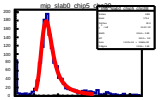
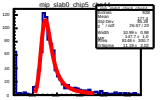

mip slab0 chip3 chan0
mip slab0 chip3 chan1
mip slab0 chip3 chan2
mip slab0 chip3 chan3
mip slab0 chip3 chan4
mip slab0 chip3 chan5
mip slab0 chip3 chan6
mip slab0 chip3 chan7
mip slab0 chip3 chan8
mip slab0 chip3 chan9
mip slab0 chip3 chan10
mip slab0 chip3 chan11
mip slab0 chip3 chan12
mip slab0 chip3 chan13
mip slab0 chip3 chan14
mip slab0 chip3 chan15

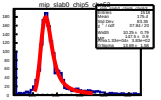

mip slab0 chip3 chan5

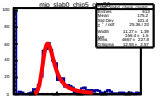

mip_slab0_chip5_ch0
Entries 1000
Mean 261.6
Std Dev 16.17
χ² / ndf 8131.78
Width 342.7 ± 13.75 ± 4.4
Peak 1.000 ± 0.000
MPV 318.6 ± 15.63 ± 4.1
Integral 28.4 ± 0.3

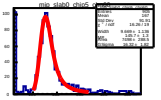

mip_slab0_chip5_ch1
Entries 1000
Mean 147.7
Std Dev 28.15
χ² / ndf 13.88 / 19
Width 107.7 ± 3.7
Peak 1.000 ± 0.000
MPV 43.0 ± 3.6 ± 0.3
Integral 24.8 ± 0.3

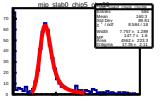

mip_slab0_chip5_ch2
Entries 1000
Mean 147.8
Std Dev 17.18
χ² / ndf 10.82 / 21
Width 107.7 ± 2.4
Peak 1.000 ± 0.000
MPV 43.0 ± 2.3 ± 0.3
Integral 24.8 ± 0.3

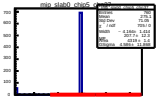

mip_slab0_chip5_ch3
Entries 1000
Mean 147.8
Std Dev 17.18
χ² / ndf 29.57 / 19
Width 10.99 ± 0.98
Peak 1.000 ± 0.000
MPV 43.00 ± 3.07 ± 0.3
Integral 24.8 ± 0.3

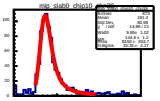

mip_slab0_chip5_ch4
Entries 1000
Mean 147.8
Std Dev 17.18
χ² / ndf 10.82 / 21
Width 10.29 ± 0.78
Peak 1.000 ± 0.000
MPV 43.00 ± 2.30 ± 0.3
Integral 24.8 ± 0.3

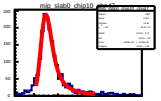

mip_slab0_chip5_ch5
Entries 1000
Mean 176.2
Std Dev 20.14
χ² / ndf 25.87 / 18
Width 11.27 ± 1.39
Peak 1.000 ± 0.000
MPV 49.8 ± 2.7 ± 0.3
Integral 24.8 ± 0.3

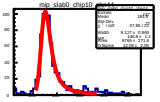

mip_slab0_chip5_ch6
Entries 1000
Mean 147
Std Dev 17.18
χ² / ndf 31.36 / 19
Width 9.695 ± 1.135
Peak 1.000 ± 0.000
MPV 43.00 ± 2.30 ± 0.3
Integral 24.8 ± 0.3

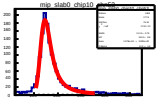

mip_slab0_chip5_ch7
Entries 1000
Mean 180.2
Std Dev 21.17
χ² / ndf 11.88 / 14
Width 7.734 ± 1.248
Peak 1.000 ± 0.000
MPV 49.0 ± 2.3 ± 0.3
Integral 24.8 ± 0.3

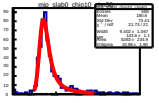

mip_slab0_chip5_ch8
Entries 1000
Mean 79
Std Dev 75.19
χ² / ndf 75.19 / 19
Width 0.1365 ± 1.614
Peak 107.7 ± 12.8
MPV 0.0000 ± 0.000
Integral 0.0000 ± 11.000

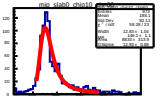

mip slab0 chip10

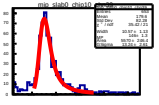

mip slab0 chip10

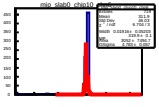

mip slab0 chip10

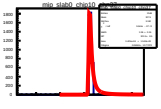

mip slab0 chip10

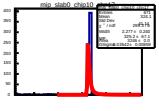

mip slab0 chip10


mip slab0 chip10

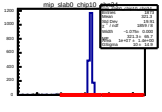

mip slab0 chip10

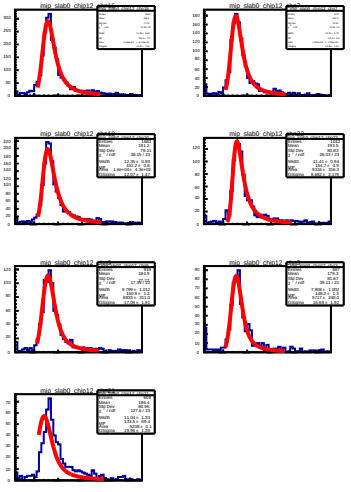

mip slab0 chip10

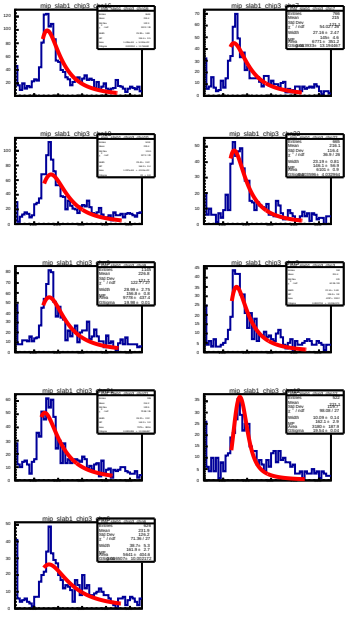

mip slab0 chip10

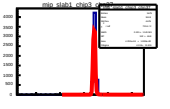

mip slab0 chip10

mip slab0 chip10

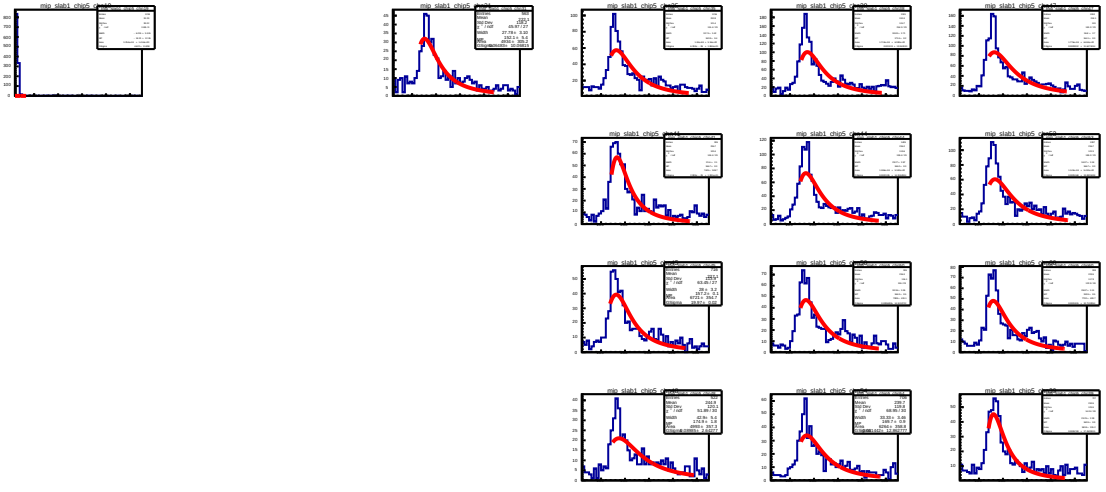

mip slab0 chip10

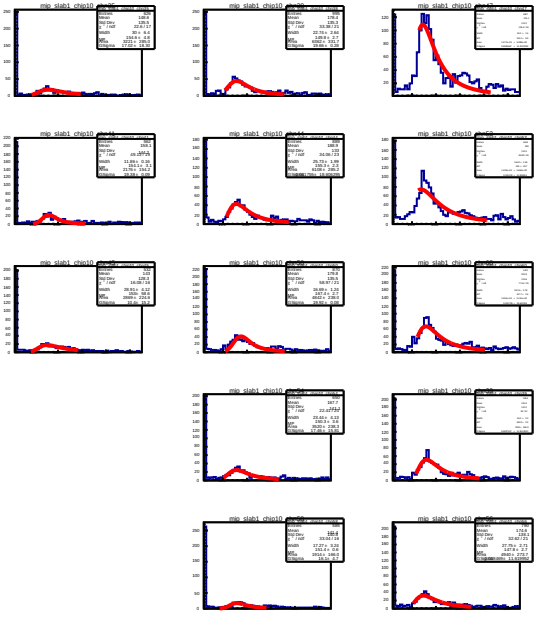

mip slab0 chip12
mip slab0 chip12
mip slab0 chip12
mip slab0 chip12
mip slab0 chip12
mip slab0 chip12
mip slab0 chip12

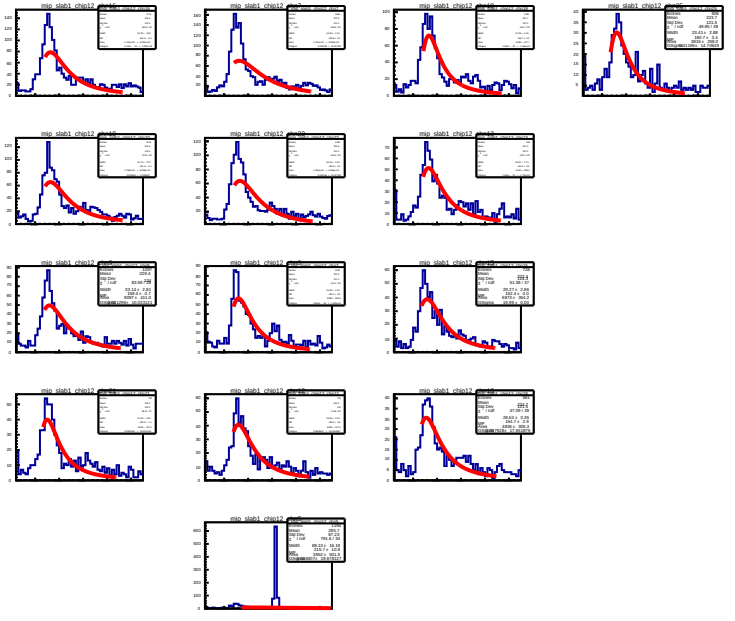

mip slab1 chip3 chan0
mip slab1 chip3 chan1
mip slab1 chip3 chan2
mip slab1 chip3 chan3
mip slab1 chip3 chan4
mip slab1 chip3 chan5
mip slab1 chip3 chan6
mip slab1 chip3 chan7
mip slab1 chip3 chan8
mip slab1 chip3 chan9

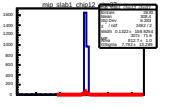

mip slab1 chip3 chan10

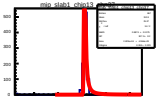
mip_slab1_chip4_ch10
Mean = 1.0
Std Dev = 0.0
Entries = 1000
Chi2 / ndf = 0.0 / 0
Prob = 0.000
p0 = 1000 ± 0.0
p1 = 10.00 ± 0.00
p2 = 0.0000 ± 0.0000
350
300
250
200
150
100
50
0

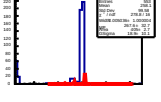

mip slab1 chip5 chan0
mip slab1 chip5 chan1
mip slab1 chip5 chan2
mip slab1 chip5 chan3
mip slab1 chip5 chan4
mip slab1 chip5 chan5
mip slab1 chip5 chan6
mip slab1 chip5 chan7
mip slab1 chip5 chan8
mip slab1 chip5 chan9
mip slab1 chip5 chan10
mip slab1 chip5 chan11

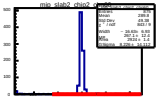

mip slab1 chip10
mip slab1 chip10
mip slab1 chip10

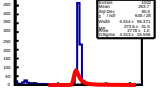

mip slab1 chip12
mip slab1 chip12
mip slab1 chip12
mip slab1 chip12
mip slab1 chip12
mip slab1 chip12
mip slab1 chip12
mip slab1 chip12
mip slab1 chip12
mip slab1 chip12
mip slab1 chip12
mip slab1 chip12
mip slab1 chip12
mip slab1 chip12
mip slab1 chip12
mip slab1 chip12

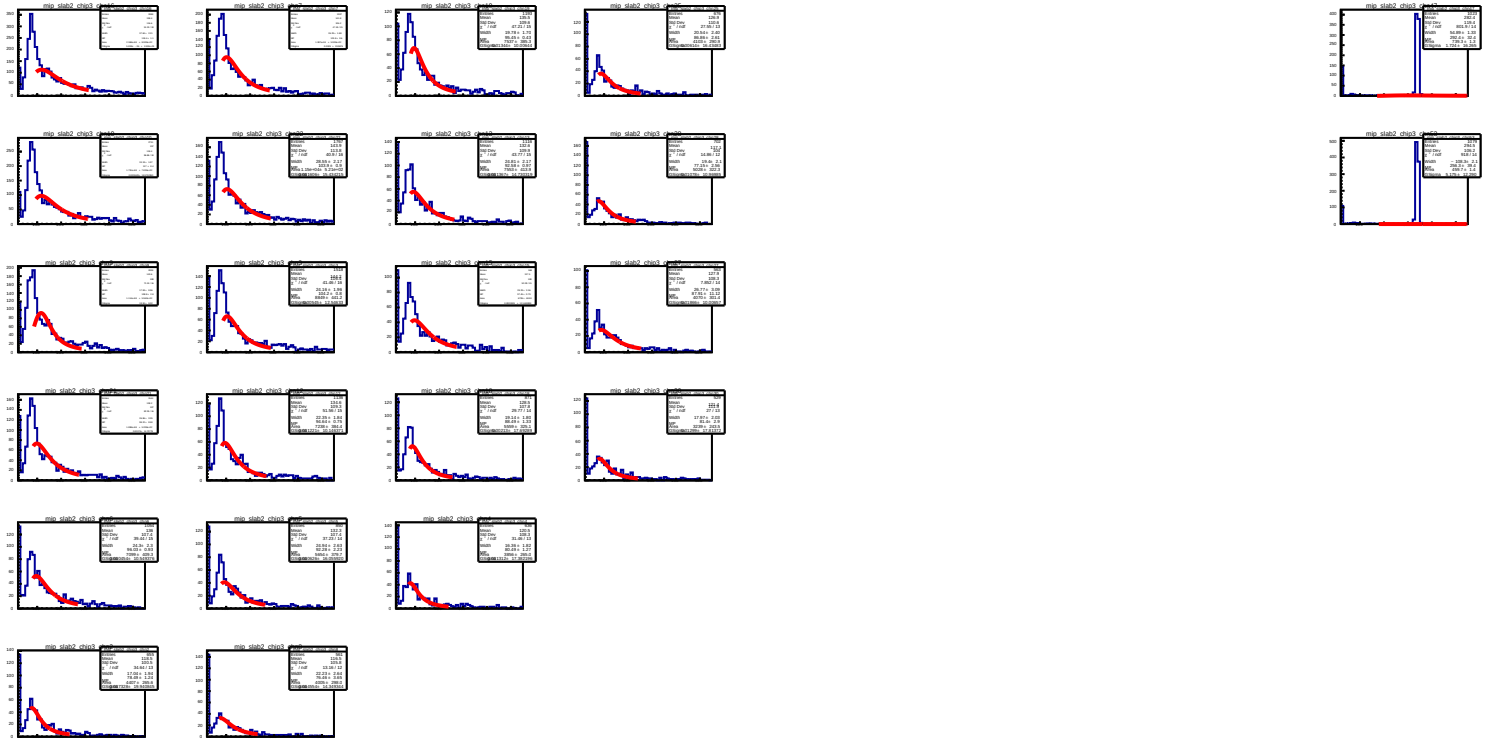

mip slab1 chip12

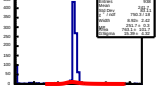

mip_slab1_chip13_strip2
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 1000.
Skewness 0.0
Kurtosis 0.0
Constant 1000.
Mean 0.0
Sigma 0.0
500
400
300
200
100
0

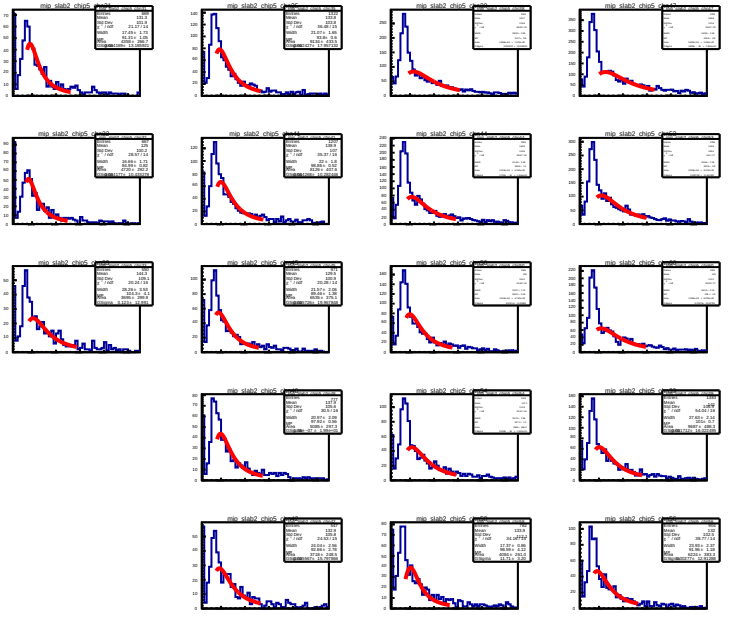

mip_slab2_chn0_cut1
Entries 2000
Mean 25.02
RMS 19.18
χ² / ndf 278.81 / 15
Width 0.0502 Mv 1.00000
Area 24.9000 ± 0.1
MPV 25.0 ± 0.1
Sigma 1.0 Mv ± 0.1
250
200
150
100
50
0
40
30
20
10
0

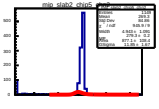

mip slab2 chip2 charge
Entries 2918
Mean 2.8
Std Dev 0.6275
Underflow 0
Overflow 0
Integral 2918.0
Mean x 2.8
Std Dev x 0.6275
Skewness 0.2564 ± 0.1192

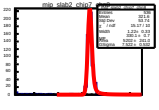

mip slab2 chip2 charge
Entries 2922
Mean 9.2
Std Dev 1.1
Underflow 0
Overflow 0
Integral 2922.0
Mean x 9.2
Std Dev x 1.1
Skewness 4.5424 ± 0.0448

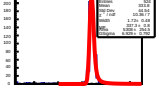


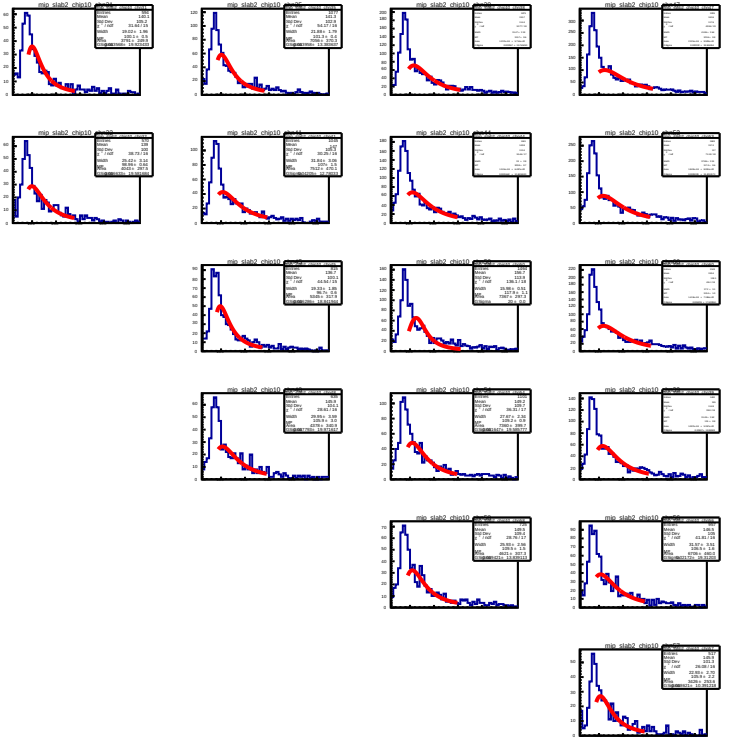

msp_slab2_crisp4_energy
Entries 2000
Mean 7.01
Mean x 7.01
Std Dev 750.21
Std Dev x 750.21
Width 2430.2 ±2.0
Width x 2430.2 ±2.0
Max 7011.7 ±0.5
Integral 15.00e+03
2.0e+03
1.8e+03
1.6e+03
1.4e+03
1.2e+03
1.0e+03
800
600
400
200
0

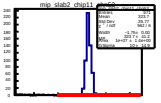

mip slab2 chip5
Entries
Mean
Std Dev
χ² / ndf
Width
MPV
Norm

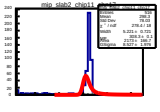

mip slab2 chip5
Entries 1310
Mean 251.0
Std Dev 1.0
χ² / ndf 9.6e3 / 79
Width 4.92e-1 ± 1.00e-1
MPV 279.4 ± 0.2
Norm 1.17e+3 ± 1.0e-1
Sigma 11.00 ± 1.0e-2

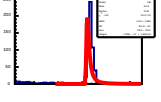

mip_slab2_chip7_chan2
Entries 1000
Mean 16.14
Underflow 0
Overflow 0
Integral 1000
χ² / ndf 15.17 / 10
Width 1.231 ± 0.11
MPV 500.3 ± 71.2
Area 9.000 × 10⁴ ± 2.6
Sigma 7.027 ± 0.60

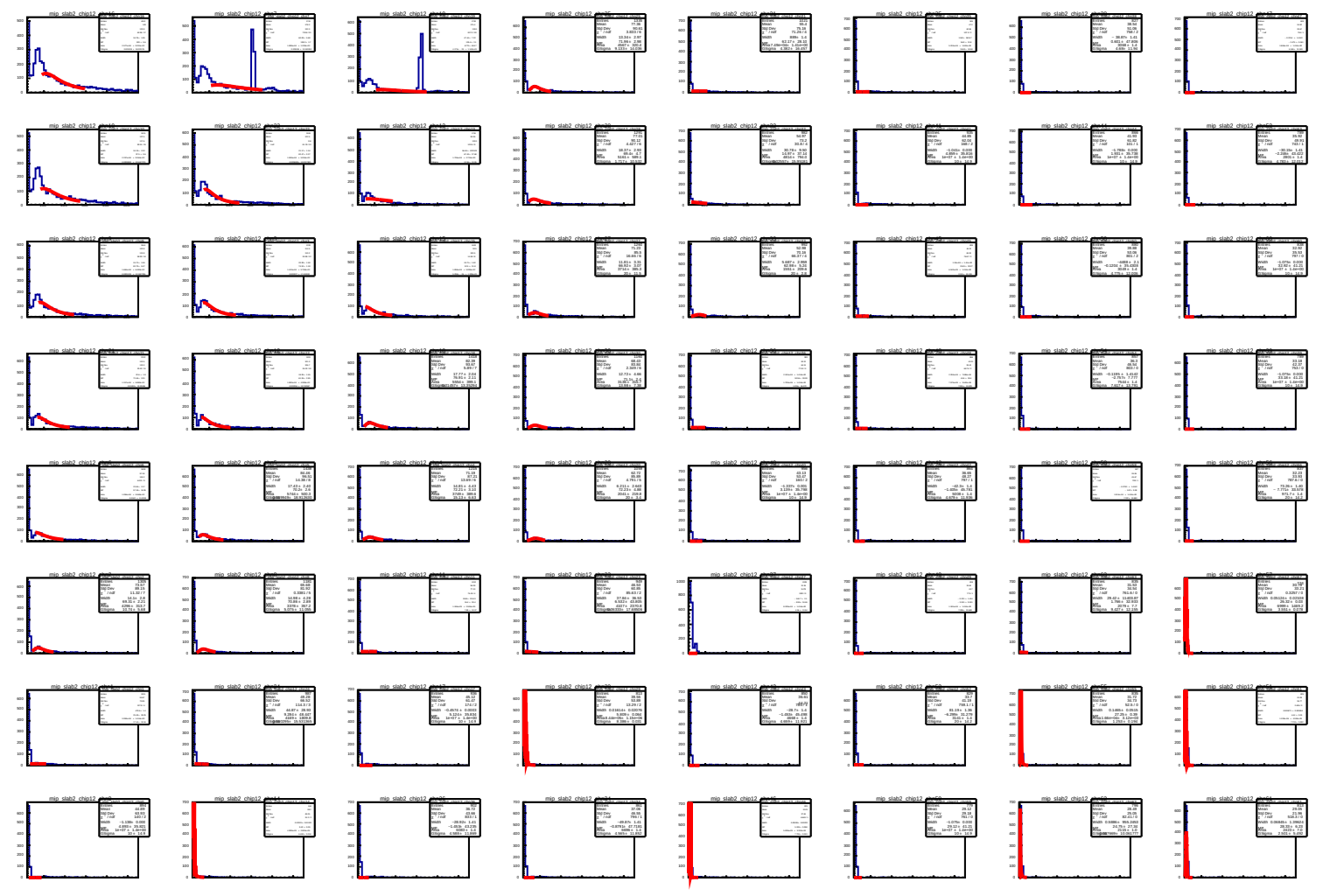

mip_slab2_chip7_chan1
Entries 1000
Mean 16.14
Underflow 0
Overflow 0
Integral 1000
χ² / ndf 10.38 / 7
Width 1.731 ± 0.18
MPV 500.3 ± 71.2
Area 9.000 × 10⁴ ± 2.6
Sigma 6.925 ± 0.71

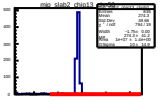

mip slab2 chip10
mip slab2 chip10
mip slab2 chip10

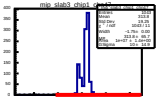

mip slab2 chip11 chan12
Entries 10000
Mean 3317
Std Dev 1.7
Underflow 0
Overflow 0
Total 10000
Mean -1.7e- 0.0
Std Dev 1.7e+01 1.4e+00
Minimum -4.1e+01
Maximum 4.1e+01

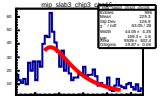

mip slab2 chip11 chan13
Entries 10000
Mean 79.2
Std Dev 278.0
Underflow 0
Overflow 0
Total 10000
Mean 2.2e+ 0.0
Std Dev 3.6e+ 0.1
Minimum -1.0e+ 1.0e+0
Maximum 2.1e+ 3.0e+3

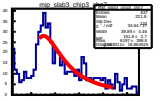

mip slab2 chip11 chan14
Entries 10000
Mean 1.7
Std Dev 0.4
Underflow 0
Overflow 0
Total 10000
Mean 1.7e+ 0.0
Std Dev 4.1e-1 1.0e-2
Minimum -1.0e+ 1.0e+0
Maximum 1.0e+ 1.0e+0

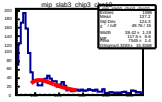


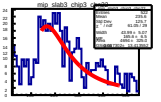

mdc slab2 chan13
Entries 1000
Mean 254.2
Std Dev 102.08
χ2 / ndf 1.02 / 1
Prob 0.8
Constant 1.79e+ 0.80
Mean 253.9 ± 0.2
Sigma 3.4 ± 0.1
Integral 1.1e+04 ± 0.1e+04
Offset 253.9 ± 0.2
500
400
300
200
100
0

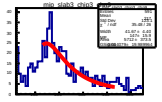

mip_slab3_chip1_chan25
Entries 1000
Mean 1.514
Std Dev 19.35
χ² / ndf 2163 / 71
Width 0.79± 0.62
Peak 3575.0± 3.0
MPV 1.4±0.2
Sigma 0.0± 0.0

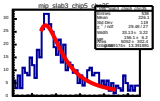

mip_slab3_chip3_chan5
Entries 1000
Mean 129.9
Std Dev 63.00 / 39
χ2 / ndf 19.47 / 14
Width 18.08 ± 0.26
MPV 63.00 ± 0.39
Area 9189 ± 525.4
Sigma 19.47 ± 0.24

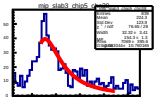

mip_slab3_chip3_chan3
Entries 1000
Mean 24.54
Std Dev 10.64 / 22
χ2 / ndf 29.09 / 8.8
Width 29.09 ± 0.8
MPV 10.64 ± 0.4
Area 6.007 ± 368.5
Sigma 8.8 ± 0.4

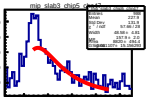

mip_slab3_chip3_chan10
Entries 1000
Mean 137.2
Std Dev 65.79 / 16
χ2 / ndf 38.42 ± 1.19
Width 65.79 ± 1.6
MPV 73.00 ± 3.4
Sigma 38.42 ± 1.19

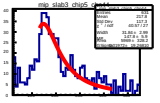

mip_slab3_chip3_chan20
Entries 1000
Mean 235.4
Std Dev 91.57 / 74
χ2 / ndf 43.99 ± 9.27
Width 91.57 ± 7.4
MPV 100.0 ± 0.0
Sigma 43.99 ± 9.27

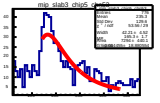

mip_slab3_chip3_chan15
Entries 1000
Mean 19.67
Std Dev 35.40 / 39
χ2 / ndf 41.87 ± 0.49
Width 35.40 ± 0.8
MPV 17.00 ± 0.0
Sigma 41.87 ± 0.49

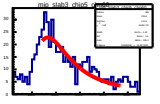

mip slab3 chip5
Entries 2000
Mean 20.5
Std Dev 7.13
χ² / ndf 29.48 / 17
Width 19.53 ± 3.12
Peak 1.000 ± 0.000
MPV 5.002 ± 0.013
Integral 10.00000

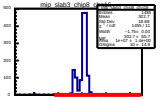

mip slab3 chip5
Entries 2000
Mean 23.2
Std Dev 12.0
χ² / ndf 79.80 / 19
Width 32.32 ± 3.41
Peak 1.000 ± 0.000
MPV 9.984 ± 0.016
Integral 10.00000

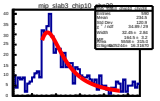

mip slab3 chip5
Entries 2000
Mean 23.9
Std Dev 13.1
χ² / ndf 57.80 / 19
Width 48.58 ± 4.12
Peak 1.000 ± 0.000
MPV 14.97 ± 0.03
Integral 10.00000

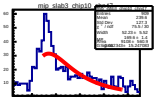

mip slab3 chip5
Entries 2000
Mean 19.7
Std Dev 10.2
χ² / ndf 43.77 / 17
Width 31.84 ± 3.99
Peak 1.000 ± 0.000
MPV 19.95 ± 0.05
Integral 10.00000

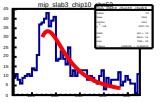

mip slab3 chip5
Entries 2000
Mean 24.9
Std Dev 12.8
χ² / ndf 51.92 / 17
Width 42.21 ± 4.32
Peak 1.000 ± 0.000
MPV 24.94 ± 0.06
Integral 10.00000

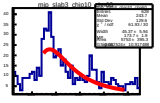

mip slab3 chip5
Entries 2000
Mean 29.9
Std Dev 14.1
χ² / ndf 50.80 / 17
Width 52.80 ± 5.53
Peak 1.000 ± 0.000
MPV 29.94 ± 0.06
Integral 10.00000

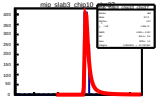

msp_slab3_chip8_c_slab5
Entries 1 Total
Mean 26.17
Std Dev 18.66
χ / ndf 1.02E+ 11
Prob 0.00
Mean 1.75± 0.02
Sigma 1.24± 0.01
Integral 14.0± 0.4
Underflow 24.1 ± 0.8
500
400
300
200
100
0

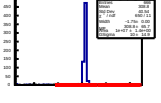

mip_slab3_chip10_chan25
Entries 2412
Mean 120.8
Std Dev 120.8
χ² / ndf 34.80 / 19
Width 33.66 ± 3.60
MPV 116.4 ± 0.8
Area 9168 ± 326.0
Sigma/MPV 0.289 ± 0.029

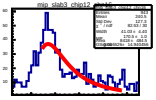

mip_slab3_chip10_chan26
Entries 2412
Mean 127.5
Std Dev 79.5 / 35
Width 50.09 ± 9.2
MPV 79.5 ± 0.8
Area 9168 ± 326.0
Sigma/MPV 0.630 ± 0.029

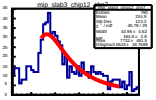

mip_slab3_chip10_chan27

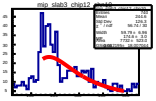

mip_slab3_chip10_chan28
Entries 2412
Mean 242.7
Std Dev 51.82 / 11
Width 65.57 ± 9.56
MPV 72.57 ± 0.8
Area 9168 ± 326.0
Sigma/MPV 0.904 ± 0.029

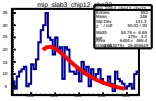

mip_slab3_chip10_chan29

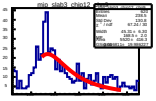

mip_slab3_chip10_chan30
Entries 2412
Mean 30.07
Std Dev 30.07
χ² / ndf 600.71
Width 0.756 ± 0.02
MPV 30.07 ± 0.02
Area 34.47 ± 1.34*10
Sigma/MPV 0.0 ± 0.0

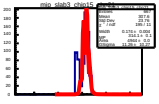

mip slab3 chip12
Entries 1000
Mean 29.51
Std Dev 127.0
χ² / ndf 83.92 / 60
Width 15.58 ± 0.40
MPV 1.000 ± 0.0
Area 7.02 ± 46.5
Sigma(MeV) 14.0 ± 0.0

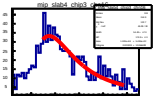

mip slab3 chip12
Entries 1000
Mean 29.51
Std Dev 127.0
χ² / ndf 26.79 / 24
Width 12.99 ± 0.2
MPV 1.000 ± 0.0
Area 7.02 ± 46.5
Sigma(MeV) 14.0 ± 0.0

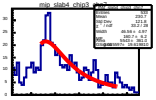

mip slab3 chip12
Entries 1000
Mean 29.51
Std Dev 127.0
χ² / ndf 56.72 / 38
Width 16.79 ± 0.30
MPV 1.000 ± 0.0
Area 7.02 ± 52.0
Sigma(MeV) 14.0 ± 0.0

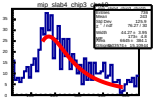

mip slab3 chip12
Entries 1000
Mean 29.51
Std Dev 127.0
χ² / ndf 50.27 / 31
Width 16.79 ± 0.20
MPV 1.000 ± 0.0
Area 6.60 ± 48.7
Sigma(MeV) 14.0 ± 0.0

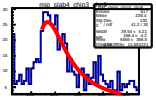

mip slab3 chip12
Entries 1000
Mean 29.51
Std Dev 127.0
χ² / ndf 67.17 / 38
Width 15.15 ± 0.30
MPV 1.000 ± 0.0
Area 7.02 ± 52.0
Sigma(MeV) 14.0 ± 0.0

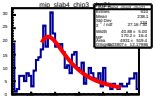

mip slab3 chn15
200
180
160
140
120
100
80
60
40
20
0
Entries 3000
Mean 32.6
RMS 23.76
Underflow 0
Overflow 0
Integral 2.77e+5
Width 0.1761 ± 0.0020
Mean 31.6 ± 0.4
RMS 20.61 ± 0.32
Chi2 / ndf 1.7e+3 / 1
Constant 1.7e+5 ± 1.2e+3

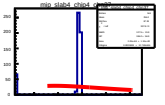

mip slab4 chip3 ch45
Entries 1417
Mean 14.74
RMS 5.84
Underflow 0
Overflow 0
Integral 1417.0
Constant 1.4e+02 ± 1.1e+01
MPV 9.8 ± 0.1
Width 1.9 ± 0.1
Chi2 / ndf 1.4e+02 / 1.1e+02

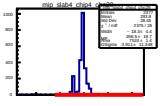

mip slab4 chip3 ch46
Entries 2417
Mean 121.6
Std Dev 33.2 ± 0.6
Constant 2.4e+02 ± 4.1e+01
MPV 64.0 ± 0.6
Width 16.8 ± 0.7
Chi2 / ndf 1.3e+02 / 1.1e+02

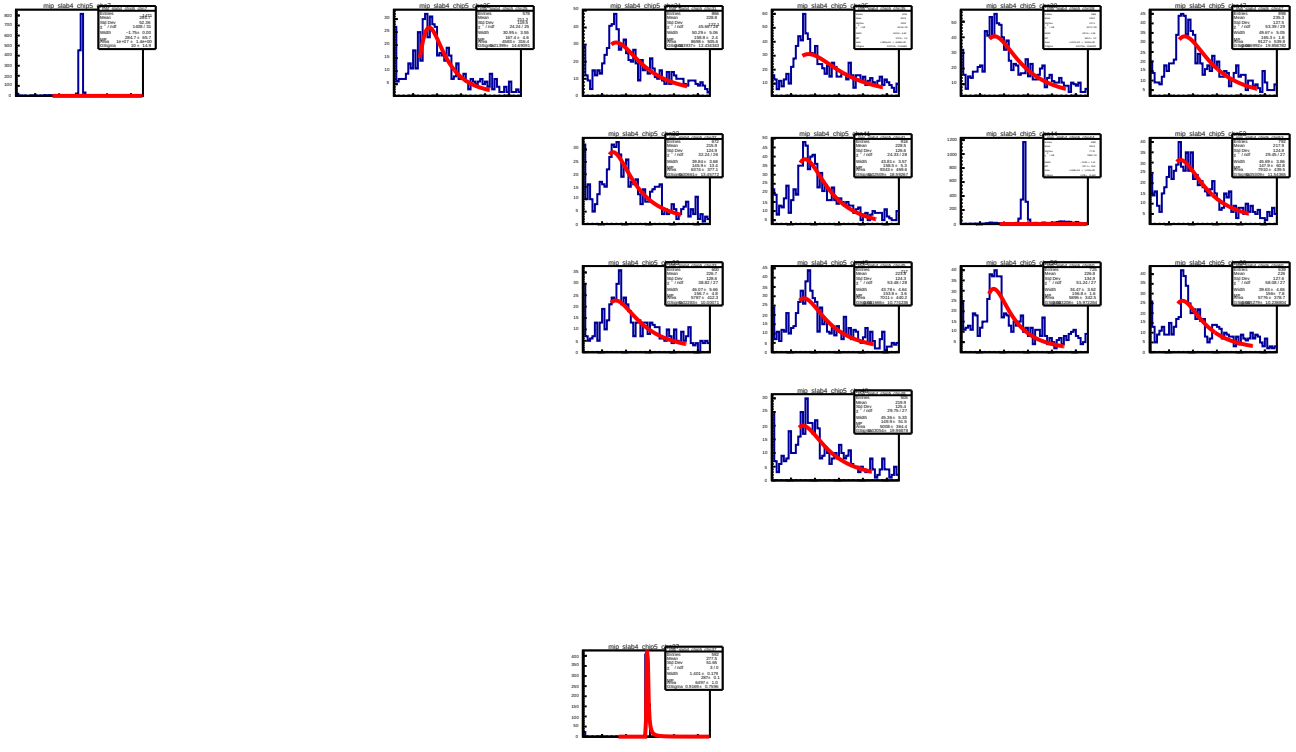

mip slab4 chip3 ch47
Entries 2417
Mean 79.4
Std Dev 23.6 ± 0.4
Constant 2.4e+02 ± 3.9e+01
MPV 44.07 ± 0.93
Width 9.9 ± 0.9
Chi2 / ndf 1.3e+02 / 1.1e+02

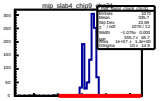

mip slab4 chip3 ch48
Entries 2417
Mean 23.6
Std Dev 11.7 ± 0.2
Constant 2.4e+02 ± 2.1e+01
MPV 39.54 ± 0.21
Width 1.66 ± 0.12
Chi2 / ndf 1.3e+02 / 1.1e+02

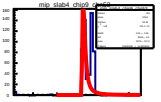

mip slab4 chip3 ch49
Entries 2417
Mean 23.6
Std Dev 27.0 ± 0.4
Constant 2.4e+02 ± 2.1e+01
MPV 43.90 ± 0.20
Width 2.72 ± 0.14
Chi2 / ndf 1.3e+02 / 1.1e+02

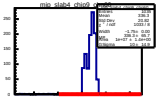

mip_slab4_chip4_ch20
Entries 1000
Mean x 27.19
Mean y 1.000
Rms x 2.000
Rms y 0.000
Underflow 0
Overflow 0
Integral = 1.0000
250
200
150
100
50
0

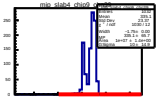

mip_slab4_chip4_ch20
Entries 1000
Mean x 29.05
Mean y 1.000
Rms x 2.000
Rms y 0.000
Underflow 0
Overflow 0
Integral = 1.0000
1000
800
600
400
200
0

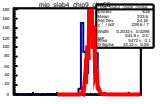

mip slab4 chip5
mip slab4 chip5
mip slab4 chip5

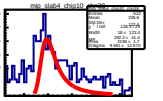

mip_slab4_chip2_chan24
Entries 2512
Mean 0.0
Std Dev 22.68
χ² / ndf 1070 / 13
Prob 0.000
Width -0.75± 0.02
MPV 14.07 ± 0.04
Sigma 24.1 ± 0.0
300
250
200
150
100
50
0

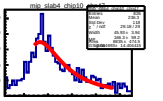

mip_slab4_chip2_chan25

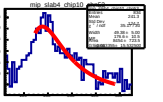

mip_slab4_chip2_chan26

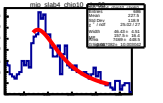

mip_slab4_chip2_chan27

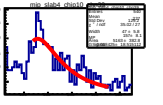

mip_slab4_chip2_chan28

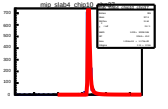

mip_slab4_chip10_
Entries 2812
Mean 29.12
Std Dev 12.74
χ² / ndf 129.7 / 14
Width 10.1 ± 1.21
MPV 29.04 ± 0.7
Area 2546 ± 57
Sigma 9.963 ± 0.219

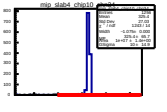

mip_slab4_chip10_
Entries 2812
Mean 29.12
Std Dev 12.74
χ² / ndf 29.18 / 15
Width 10.55 ± 3.6
MPV 29.04 ± 0.7
Area 2546 ± 57
Sigma 9.963 ± 0.219

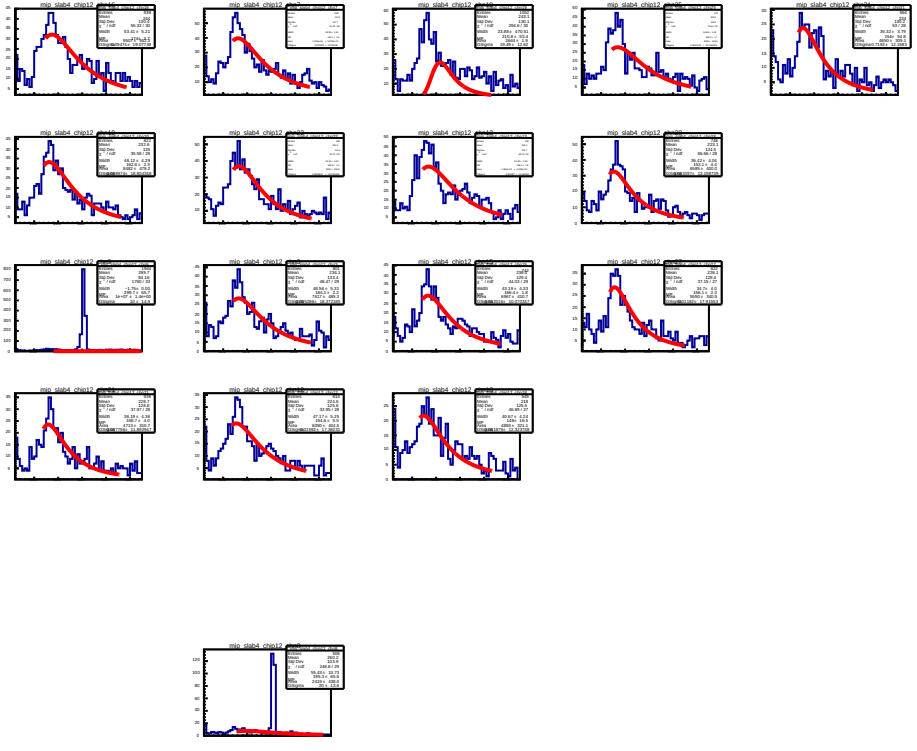

mip_slab4_chip10_
Entries 2812
Mean 241.3
Std Dev 31.07
χ² / ndf 31.07 / 15
Width 25.38 ± 5.25
MPV 29.04 ± 0.7
Area 2546 ± 57
Sigma 9.963 ± 0.219


mip_slab4_chip10_
Entries 2812
Mean 237.9
Std Dev 31.07
χ² / ndf 31.07 / 15
Width 25.38 ± 5.25
MPV 29.04 ± 0.7
Area 2546 ± 57
Sigma 9.963 ± 0.219


mip_slab4_chip10_
Entries 2812
Mean 237
Std Dev 31.07
χ² / ndf 31.07 / 15
Width 27.4 ± 6.1
MPV 29.04 ± 0.7
Area 3163 ± 167.9
Sigma 9.963 ± 0.219


mip_slab4_chip10_


mip_slab4_chip10_
Entries 2812
Mean 2812
Std Dev 0.0
χ² / ndf 2.682 / 13
Width 0.375 ± 0.002
MPV 2812 ± 0.0
Area 34.47 ± 1.38 ×10
Sigma 0.0 ± 0.0


mip slab4 chip12
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