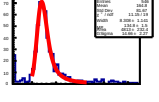
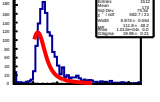
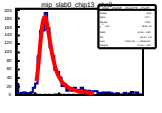
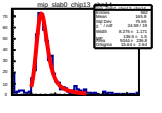
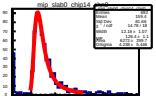
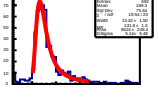

mip_slab0_chip12_channel0
Entries 1000
Mean 28.07
RMS 28.02
χ² / ndf 11.35 / 19
Width 8.308 ± 1.101
MPV 28.07 ± 0.07
Area 4819 ± 242.3
Sigma 10.66 ± 0.17

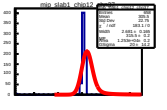

mip_slab0_chip12_channel0
Entries 1000
Mean 13.58
RMS 12.77
χ² / ndf 502.7 / 21
Width 9.973 ± 0.842
MPV 13.58 ± 0.07
Area 1.152e+04 ± 2.2
Sigma 19.58 ± 0.1

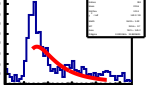

mip_slab0_chip13
Entries 1000
Mean 1.01
RMS 0.0
χ² / ndf 10.08 / 15
Width 0.276 ± 1.371
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
Integral 25.0 ± 7.1

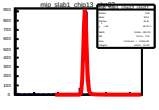

mip_slab0_chip14
Entries 1000
Mean 1.01
RMS 0.0
χ² / ndf 10.08 / 15
Width 0.276 ± 1.371
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
Integral 25.0 ± 7.1

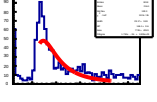

msp_slab0_chip14_adc0
Entries 39914
Mean 39.64
Std Dev 14.79 / 19
NDF 13.16 / 107
Prob 0.9777
Mean 247.7
Sigma 4.238 ± 0.016
90
80
70
60
50
40
30
20
10
0

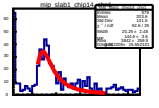

mip slab0 chip15 gain0
Entries 1000
Mean 19.12
Underflow 0
Overflow 0
χ² / ndf 10.92 / 15
Width 10.02 ± 1.30
Sigma 5.01 ± 0.65
MPV 50.01 ± 0.8
Integral 9.04e+04

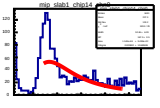

mip_slab1_chip12_chan32
Entries 1000
Mean 355.5
Std Dev 16.3 ± 7.9
Constant 2.601 ± 0.100
MPV 339.9 ± 0.2
Width 1.270 ± 0.000
Integral 1000 ± 0.0
400
350
300
250
200
150
100
50
0

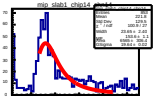

mip_slab1_chip12_chan34
Entries 1000
Mean 1.27 ± 0.00
Std Dev 0.00 ± 0.00
Constant 1.00 ± 0.00
MPV 0.00 ± 0.00
Width 0.00 ± 0.00
Integral 1000 ± 0.0
80
75
70
65
60
55
50
45
40
35
30
25
20
15

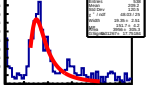

mip slab1 chip13 strip2
900
800
700
600
500
400
300
200
100
0

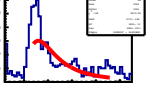

mip slab1 chip13 strip3
90
80
70
60
50
40
30
20
10
0

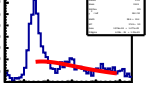

mip slab1 chip14 chan1
Entries 2000
Mean 23.17
Std Dev 13.16
χ² / ndf 67.14 / 19
Width 25.35 ± 2.24
MPV 140.6 ± 3.6
Area 1.0e+05 ± 1.0e+04
Sigma 14.0000 ± 0.0000

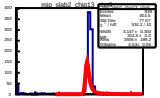

mip slab1 chip14 chan2
Entries 2000
Mean 27.1
Std Dev 14.1
χ² / ndf 1007.78
Width 19.46 ± 0.40
MPV 109.1 ± 0.1
Area 6.0e+05 ± 3.0e+3
Sigma 19.0000 ± 0.0000

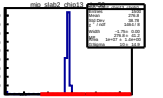

mip slab1 chip14 chan3
Entries 2000
Mean 22.5
Std Dev 13.1
χ² / ndf 1007.77
Width 23.65 ± 2.43
MPV 109.1 ± 0.1
Area 6.0e+05 ± 3.0e+3
Sigma 19.0000 ± 0.0000

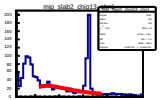

mip slab1 chip15 chan56
Entries 1000
Mean 192.7
Std Dev 120.9
χ² / ndf 19.74 / 19
Const 15.86 ± 2.93
MPV 192.7 ± 0.4
Sigma 19.0 ± 0.5
Prob 0.000
Fitting Landau(MPV, σ) Gauss

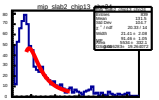

mip slab1 chip15 chan58
Entries 1000
Mean 192.7
Std Dev 120.9
χ² / ndf 19.74 / 19
Const 15.86 ± 2.93
MPV 192.7 ± 0.4
Sigma 19.0 ± 0.5
Prob 0.000
Fitting Landau(MPV, σ) Gauss

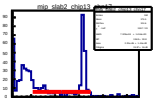

mip slab1 chip15 chan59
Entries 1000
Mean 192.7
Std Dev 120.9
χ² / ndf 19.74 / 19
Const 15.86 ± 2.93
MPV 192.7 ± 0.4
Sigma 19.0 ± 0.5
Prob 0.000
Fitting Landau(MPV, σ) Gauss

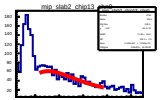

mip slab2 chip13 chan0
Entries 1024
Mean 310.5
Std Dev 17.04
χ² / ndf 532.7 / 14
Width 3.147 ± 0.300
Mean 324.9 ± 0.3
MPV 310.4 ± 0.2
Integral 9.5 ± 0.4

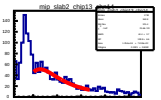

mip slab2 chip13 chan1
Entries 1024
Mean 276.8
Std Dev 16.17
χ² / ndf 1423 / 18
Width 5.79 ± 0.60
Mean 278.8 ± 0.2
MPV 3.4 ± 0.4
Integral 3.1 ± 0.4

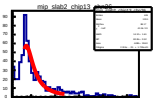

mip slab2 chip13 chan4

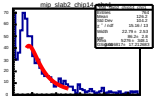

mip slab2 chip13 chan5
Entries 1024
Mean 113.7
Std Dev 33.17
χ² / ndf 1.7 / 3
Width 21.41 ± 2.44
Mean 55.36 ± 1.25
MPV 53.52 ± 0.67
Integral 1.0 ± 0.1

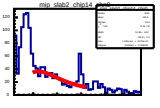

mip slab2 chip13 chan6

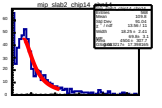

mip slab2 chip13 chan7

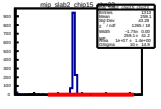

mip slab2 chip13 chan8

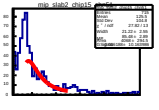

mip slab2 chip13 chan9

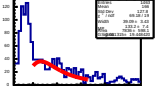

mip_slab2_chip14_chn1
Entries 1000
Mean 33.12
Std Dev 33.12
χ² / ndf 15.12 / 13
Width 23.79 ± 3.53
MPV 80.20 ± 2.8
Area 1.7 ± 0.0000
Sigma 12.11 ± 0.0000

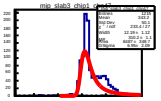

mip_slab2_chip14_chn2
Entries 1000
Mean 33.12
Std Dev 33.12
χ² / ndf 15.12 / 13
Width 23.79 ± 3.53
MPV 80.20 ± 2.8
Area 1.7 ± 0.0000
Sigma 12.11 ± 0.0000

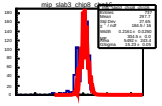

mip_slab2_chip14_chn3
Entries 1000
Mean 33.12
Std Dev 33.12
χ² / ndf 15.12 / 13
Width 23.79 ± 3.53
MPV 80.20 ± 2.8
Area 1.7 ± 0.0000
Sigma 12.11 ± 0.0000

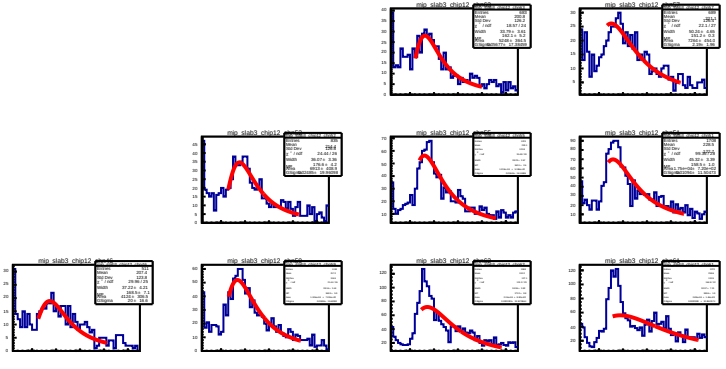

mip_slab2_chip15_ch13
Entries 1011
Mean 2.71
Std Dev 2.71
χ² / ndf 1386 / 18
Width -1.75± 0.01
Peak 1.13 ± 21.2
Mpv 14.07 ± 0.01
Chisqrd 1.0 ± 0.0


mip_slab2_chip15_ch14
Entries 1011
Mean 120.1
Std Dev 103.8
χ² / ndf 2.1 / 1
Width 31.23 ± 2.65
Peak 86.90 ± 2.86
Mpv 20.01 ± 0.0005
Chisqrd 0.0 ± 0.0


mip_slab2_chip15_ch15
Entries 1011
Mean 177.8
Std Dev 65.20 / 1.5
Width 39.09 ± 3.10
Peak 1.13 ± 21.2
Mpv 70.00 ± 0.00 ?
Chisqrd 1.0 ± 0.0


mip_slab3_chip1_chan0
Entries 3000
Mean 3.014
Std Dev 10.3
χ² / ndf 226.4 / 17
Width 12.39 ± 1.12
MPV 2.000 ± 0.000
Area 3077 ± 54.7
Sigma 6.000 ± 0.000


msp_slab3_chip8_c4x16
Entries 29 27
Mean 27.65
Std Dev 1.048 1862.51 ± 6.6
Mean 0.2361 ± 0.0250
Std Dev 0.0883 ± 0.0177
χ² / ndf 6.000 / 3.0 ± 0.4
Integral 24.34 ± 0.05
180
160
140
120
100
80
60
40
20
0


mip_slab3_chip12_chan55
mip_slab3_chip12_chan56
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mip_slab3_chip12_chan58
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mip_slab3_chip12_chan60
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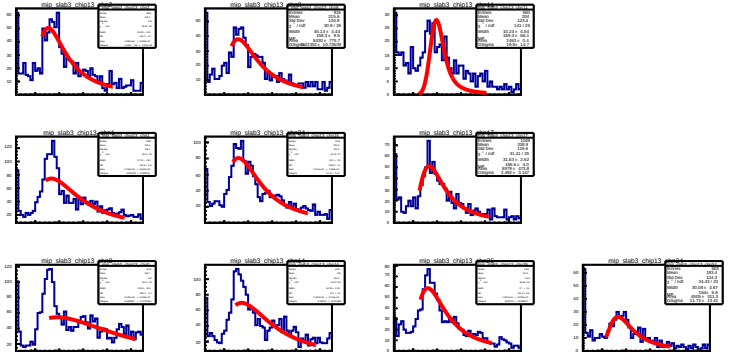
mip_slab3_chip12_chan62
mip_slab3_chip12_chan63
mip_slab3_chip12_chan64


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
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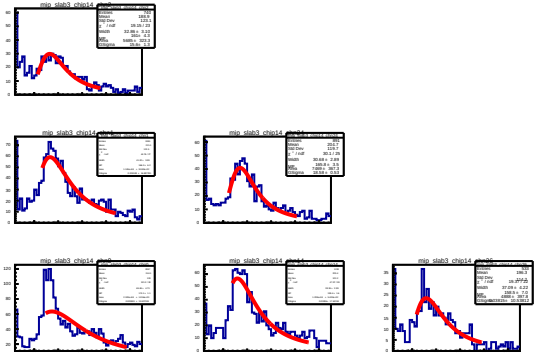
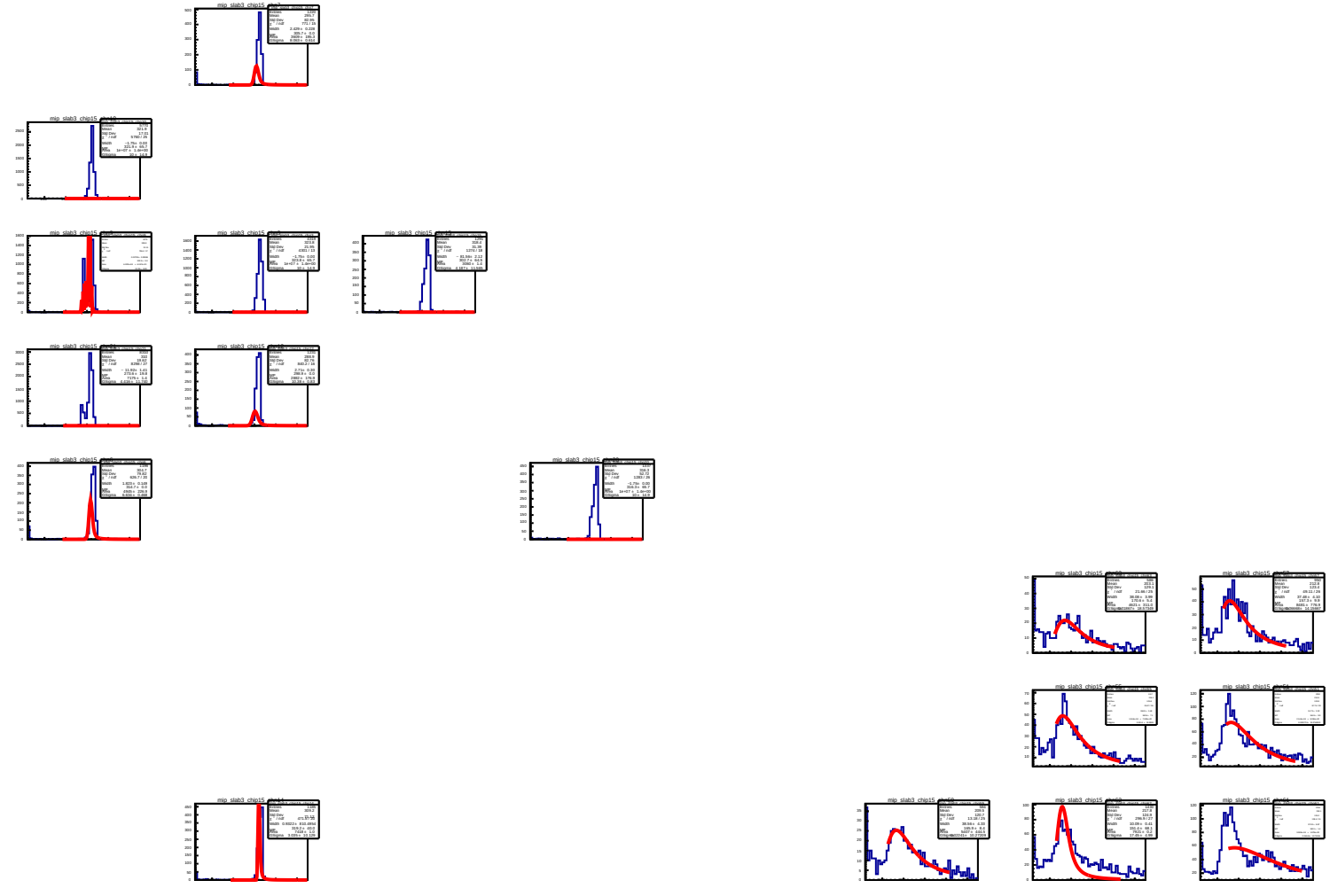
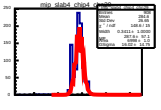
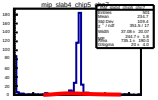
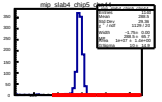
mip_slab3_chip13_chan10
mip_slab3_chip13_chan11
mip_slab3_chip13_chan12

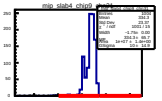

mip_slab3_chip14_strip1
mip_slab3_chip14_strip2
mip_slab3_chip14_strip3
mip_slab3_chip14_strip4
mip_slab3_chip14_strip5
mip_slab3_chip14_strip6

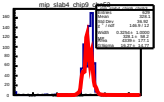

mip slab3 chip15
mip slab3 chip15
mip slab3 chip15

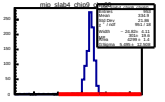

mip slab4 chip4 step0
Entries 2000
Mean 29.52
Std Dev 29.95
χ / ndf 1.08 / 1
p0 0.3431 ± 1.0000
p1 29.18 ± 32.3
p2 1.000 ± 0.000
Integral 19.3200 ± 0.70
250
200
150
100
50
0

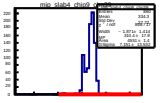

mip slab4 chip5 chan5
Entries 2552
Mean 1557.6
Std Dev 1201.6
χ2 / ndf 1391.9 / 17
Width 22.186 ± 28.128
Area 2552 ± 1.000
Mean 708.1 ± 34.5
Sigma 28.1 ± 0.0
0
20
40
60
80
100
120
140
160
180

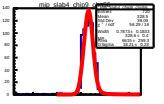

mip slab4 chip5 chan6
Entries 2552
Mean 2508.8
Std Dev 1201.6
χ2 / ndf 11151 / 19
Width 0.750 ± 0.000
Area 2552 ± 1.000
Mean 1.4e+07 ± 1.4e+07
Sigma 1.0e+07 ± 0.0
0
50
100
150
200
250
300
350

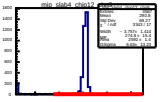

mip_slab4_chip0_ch24
Entries 2612
Mean 23.07
Std Dev 10211.19
χ / ndf 0.00
Prob 0.00
Width 14.477 ± 0.0400
Mean 24.1 ± 0.8
Sigma 24.1 ± 0.8

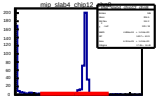

mip_slab4_chip0_ch25
Entries 3563
Mean 3563
Std Dev 1.00
χ / ndf 1.00 / 1
Prob 0.32
Width 0.3354 ± 0.0800
Mean 3563 ± 0.0
Sigma 0.3354 ± 0.0800

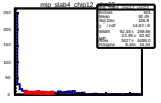

mip_slab4_chip0_ch26
Entries 3563
Mean 3563
Std Dev 1.00
χ / ndf 1.00 / 1
Prob 0.32
Width 0.3354 ± 0.0800
Mean 3563 ± 0.0
Sigma 0.3354 ± 0.0800

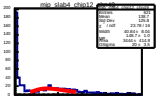

mip_slab4_chip0_ch27
Entries 3563
Mean 3563
Std Dev 1.00
χ / ndf 1.00 / 1
Prob 0.32
Width 1.0710 ± 0.0710
Mean 3563 ± 0.0
Sigma 1.0710 ± 0.0710

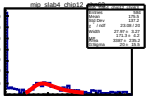

mip_slab4_chip0_ch28
Entries 2563
Mean 3563
Std Dev 10.00
χ / ndf 56.29 / 15
Prob 0.00
Width 0.7078 ± 0.0010
Mean 3563 ± 0.0
Sigma 10.01 ± 0.01

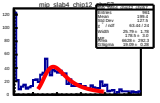

mip_slab4_chip12_chan0
Entries 1000
Mean 2918
Std Dev 17.02
χ² / ndf 3325 / 17
Width - 0.7979 ± 1.414
2718.8 ± 19.2
MPV 2918 ± 0.5
Integral 3.99e + 0.4

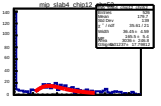

mip_slab4_chip12_chan1
Entries 1000
Mean 92.01
Std Dev 14.62
χ² / ndf 14.62 / 8
Width 92.01 ± 0.01
22.49 ± 62.52
MPV 92.01 ± 0.01
Integral 92.01 ± 0.01

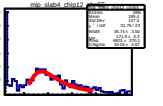

mip_slab4_chip12_chan2
Entries 1000
Mean 55.73
Std Dev 23.08
χ² / ndf 23.08 / 20
Width 55.73 ± 0.73
27.97 ± 3.27
MPV 55.73 ± 0.73
Integral 27.97 ± 3.27

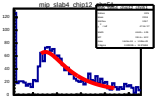

mip_slab4_chip12_chan3
Entries 1000
Mean 109.7
Std Dev 25.61
χ² / ndf 25.61 / 18
Width 109.7 ± 0.6
35.01 ± 4.99
MPV 109.7 ± 0.6
Integral 35.01 ± 4.99

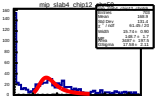

mip_slab4_chip12_chan4
Entries 1000
Mean 173.3
Std Dev 27.97
χ² / ndf 27.97 / 17
Width 173.3 ± 0.2
40.14 ± 5.86
MPV 173.3 ± 0.2
Integral 40.14 ± 5.86

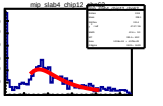

mip_slab4_chip12_chan5
Entries 1000
Mean 249.4
Std Dev 29.84
χ² / ndf 29.84 / 21
Width 249.4 ± 0.1
43.64 ± 6.36
MPV 249.4 ± 0.1
Integral 43.64 ± 6.36

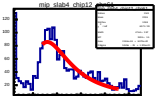

mip_slab4_chip12_chan6
Entries 1000
Mean 329.2
Std Dev 3.36
χ² / ndf 35.41 / 16
Width 329.2 ± 0.4
35.41 ± 4.49
MPV 329.2 ± 0.4
Integral 35.41 ± 4.49

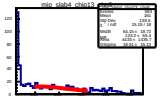

mip_slab4_chip12_chan7
Entries 1000
Mean 397.7
Std Dev 37.13
χ² / ndf 31.13 / 16
Width 397.7 ± 0.3
35.70 ± 3.30
MPV 397.7 ± 0.3
Integral 35.70 ± 3.30

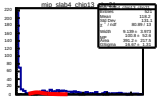

mip_slab4_chip12_chan8
Entries 1000
Mean 473.4
Std Dev 3.36
χ² / ndf 35.41 / 16
Width 473.4 ± 0.4
35.41 ± 4.49
MPV 473.4 ± 0.4
Integral 35.41 ± 4.49

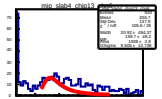

mip_slab4_chip12_chan9
Entries 1000
Mean 548.2
Std Dev 41.87
χ² / ndf 41.87 / 15
Width 548.2 ± 0.3
35.79 ± 3.50
MPV 548.2 ± 0.3
Integral 35.79 ± 3.50

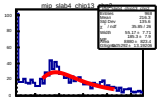

mip_slab4_chip12_chan10
Entries 1000
Mean 621.7
Std Dev 3.36
χ² / ndf 35.41 / 16
Width 621.7 ± 0.4
35.41 ± 4.49
MPV 621.7 ± 0.4
Integral 35.41 ± 4.49

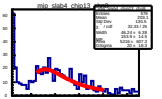

mip_slab4_chip12_chan11
Entries 1000
Mean 697.1
Std Dev 45.84
χ² / ndf 45.84 / 14
Width 697.1 ± 0.3
35.79 ± 3.50
MPV 697.1 ± 0.3
Integral 35.79 ± 3.50


mip slab4 chip13


mip slab4 chip13


mip slab4 chip13


mip slab4 chip13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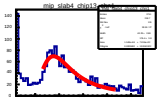
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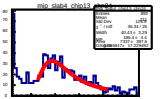
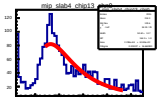
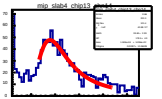
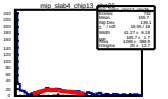

mip slab4 chip13


mip slab4 chip13


mip slab4 chip13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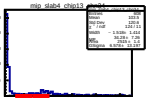
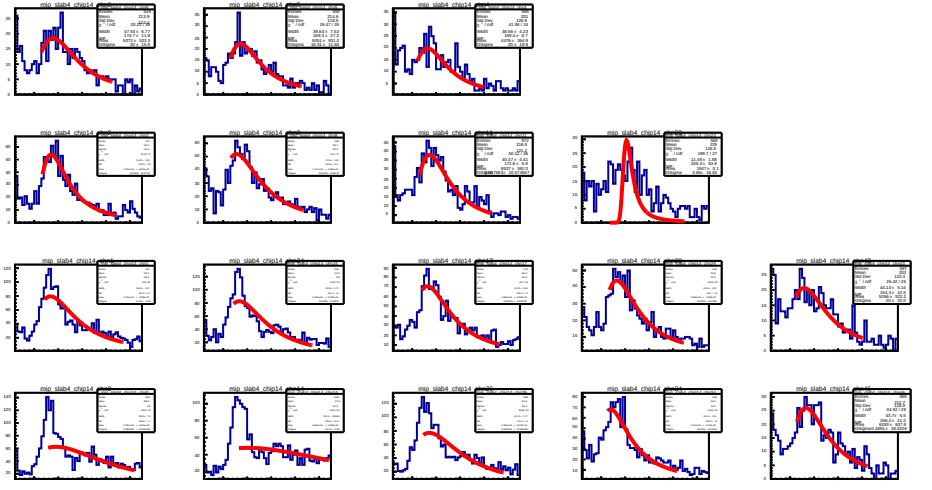
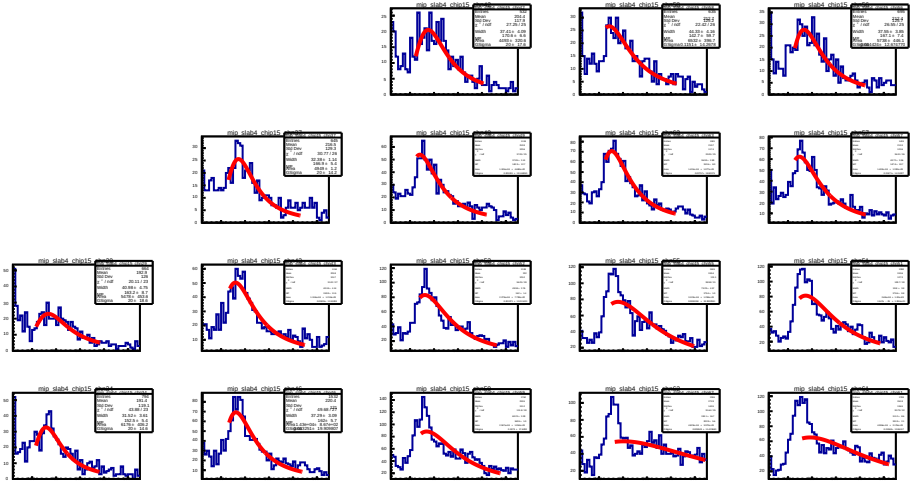

mip slab4 chip13




mip_slab4_chip15
Entries 2512
Mean 27.21
Std Dev 2.77
χ² / ndf 27.25 / 25
Width 27.21 ± 0.25
MPV 24.61 ± 0.21
Area 4400 ± 52.0
Sigma 2.77 ± 0.24
mip_slab4_chip15
Entries 2512
Mean 27.21
Std Dev 2.77
χ² / ndf 22.42 / 26
Width 27.21 ± 0.25
MPV 24.61 ± 0.21
Area 4400 ± 52.0
Sigma 2.77 ± 0.24
mip_slab4_chip15
Entries 2512
Mean 27.21
Std Dev 2.77
χ² / ndf 26.66 / 25
Width 27.21 ± 0.25
MPV 24.61 ± 0.21
Area 4400 ± 52.0
Sigma 2.77 ± 0.24
mip_slab4_chip15
Entries 2512
Mean 27.21
Std Dev 2.77
χ² / ndf 30.77 / 24
Width 32.19 ± 1.10
MPV 249.8 ± 5.4
Area 2512 ± 52.0
Sigma 2.84 ± 1.2
mip_slab4_chip15
mip_slab4_chip15
mip_slab4_chip15
mip_slab4_chip15
mip_slab4_chip15
Entries 2512
Mean 27.21
Std Dev 2.77
χ² / ndf 20.11 / 25
Width 40.50 ± 2.75
MPV 182.2 ± 3.1
Area 5470 ± 52.0
Sigma 3.04 ± 0.8
mip_slab4_chip15
mip_slab4_chip15
mip_slab4_chip15
mip_slab4_chip15
mip_slab4_chip15
Entries 2512
Mean 27.21
Std Dev 2.77
χ² / ndf 43.88 / 22
Width 31.92 ± 3.6
MPV 67.71 ± 1.1
Area 6170 ± 48.1
Sigma 3.04 ± 0.8
mip_slab4_chip15
Entries 2512
Mean 27.21
Std Dev 2.77
χ² / ndf 49.88 / 23
Width 27.29 ± 3.09
MPV 67.71 ± 1.1
Area 6170 ± 48.1
Sigma 3.04 ± 0.8
mip_slab4_chip15
mip_slab4_chip15
mip_slab4_chip15