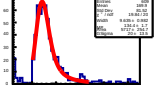
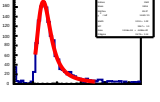
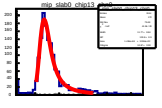
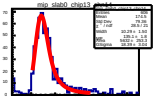
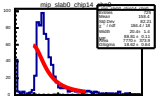
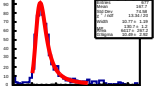

mip_slab0_chip12_chan36
Entries 2918
Mean 19.82 / 20
Std Dev 19.821 / 20
Width 9.635 ± 0.802
MPV 17.09 ± 0.09
Area 5717 ± 245.7
Chi2/Ndof 24 / 21.5

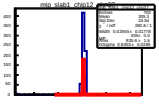

mip_slab0_chip12_chan36

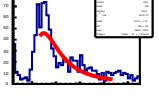

mip_slab0_chip13
Entries 1000
Mean 19.78
RMS 3.08
χ² / ndf 28.8 / 21
Width 10.29 ± 1.10
MPV 19.07 ± 0.07
Area 5102 ± 28.5
Sigma 18.58 ± 0.14

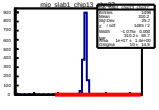

mip_slab0_chip14
Entries 1000
Mean 19.78
RMS 3.08
χ² / ndf 28.8 / 21
Width 10.29 ± 1.10
MPV 19.07 ± 0.07
Area 5102 ± 28.5
Sigma 18.58 ± 0.14

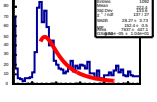

msp_slab0_chip14_adc0
Entries 1000
Mean 384.6
RMS 79.7
χ² / ndf 180.7 / 18
Const 35.81 ± 1.4
MPV 377.6 ± 0.6
Sigma 17.61 ± 0.6
Integral 19.92 ± 0.8
100
80
60
40
20
0

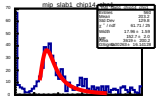

mip slab0 chip15 gain0
Entries 1000
Mean 14.17
Underflow 0
Overflow 18
χ² / ndf 13.93 / 15
Width 10.77 ± 1.18
Sigma 6.77 ± 0.59
MPV 6227 ± 267.1
Integral 35.84 ± 1.1

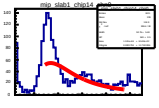

mip_slab1_chip12_chan38
Entries 1000
Mean 0.1
RMS 0.0
Underflow 0
Overflow 0
Integral 1000.0
Mean 0.23884±
0.22278
Sigma 0.00011±
0.01158
NDF 3.0
Chi2 0.0011±
0.1428
400
350
300
250
200
150
100
50
0

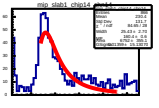

mip_slab1_chip12_chan38
Entries 1000
Mean 0.1
RMS 0.0
Underflow 0
Overflow 0
Integral 1000.0
Mean 0.23884±
0.22278
Sigma 0.00011±
0.01158
NDF 3.0
Chi2 0.0011±
0.1428
70
60
50
40
30
20
10
0

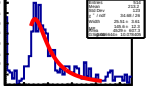

mip slab1 chip13 chan2
Entries 1158
Mean 70.4
RMS 15.4
χ² / ndf 1489.7 / 7
Prob 0
Constant 0.2776 ± 0.102
Mean 1319.8 ± 66.9
Sigma 54.97 ± 1.19
Integral 317.1 ± 11.8

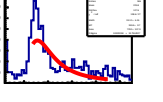

mip slab1 chip13 chan3
Entries 1508
Mean 15.6
RMS 7.6
χ² / ndf 127 / 22
Prob 0
Constant 19.27 ± 3.73
Mean 14.01 ± 0.12
Sigma 2.927 ± 0.071
Integral 48.4 ± 1.0

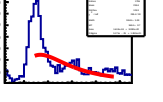

mip slab1 chip14 chan1
Entries 2000
Mean 59.17
Std Dev 129.8
χ² / ndf 61.12 / 7
Const 17.90 ± 3.59
MPV 102.7 ± 2.0
Width 19.1 ± 1.0
Prob(χ²,ndf) 0.000000

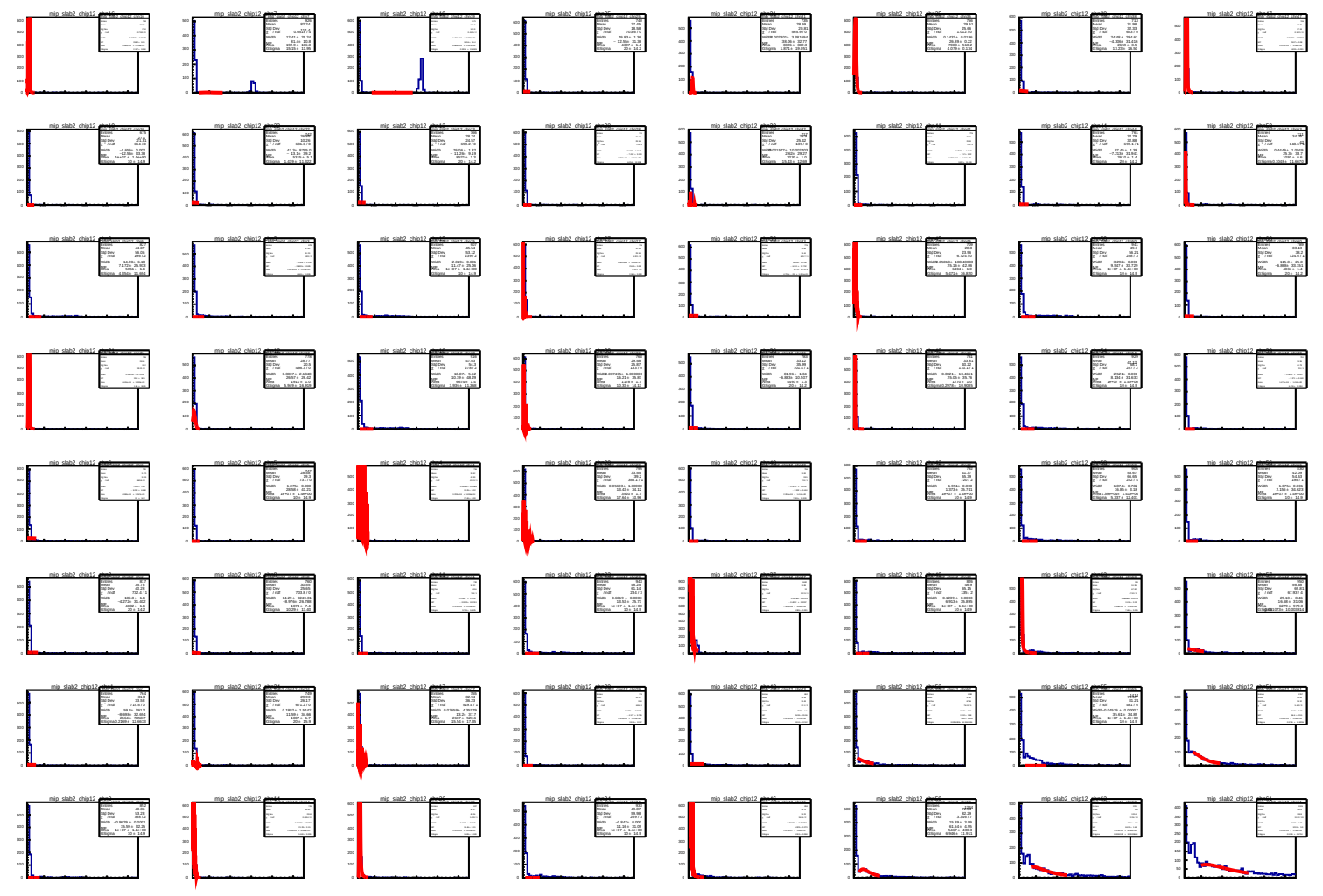

mip slab1 chip14 chan2
Entries 2000
Mean 59.17
Std Dev 129.8
χ² / ndf 61.12 / 7
Const 17.90 ± 3.59
MPV 102.7 ± 2.0
Width 19.1 ± 1.0
Prob(χ²,ndf) 0.000000

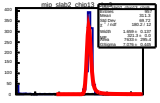

mip slab1 chip14 chan3
Entries 2000
Mean 59.17
Std Dev 129.8
χ² / ndf 61.12 / 7
Const 17.90 ± 3.59
MPV 102.7 ± 2.0
Width 19.1 ± 1.0
Prob(χ²,ndf) 0.000000

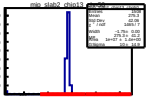

mip slab1 chip15 chan5
Entries 1000
Mean 7.127
Std Dev 3.03
χ² / ndf 30.66 / 15
p0 25.61 ± 3.45
MPV 105.6 ± 12.5
Sigma 21.2 ± 10.0
Landau-Gaussian fit

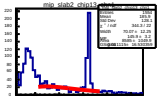

mip slab1 chip15 chan6
Entries 1000
Mean 7.127
Std Dev 3.03
χ² / ndf 30.66 / 15
p0 25.61 ± 3.45
MPV 105.6 ± 12.5
Sigma 21.2 ± 10.0
Landau-Gaussian fit

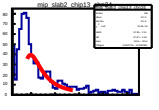

mip slab1 chip15 chan7
Entries 1000
Mean 7.127
Std Dev 3.03
χ² / ndf 30.66 / 15
p0 25.61 ± 3.45
MPV 105.6 ± 12.5
Sigma 21.2 ± 10.0
Landau-Gaussian fit

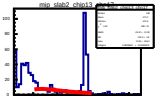


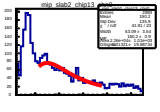

mip slab2 chip13 chan0
Entries 7000
Mean 351.3
RMS 19.17
χ² / ndf 160.37 / 12
Width 1.888 ± 0.197
Area 333.9 ± 8.0
MPV 350.1 ± 0.4
Sigma 1.521 ± 0.014

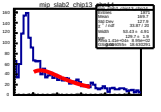

mip slab2 chip13 chan2
Entries 7000
Mean 275.3
RMS 15.04
χ² / ndf 1423 / 7
Width -1.79± 0.60
Area 279.9 ± 24.2
MPV 3.4e+03 ± 1.1e+04
Sigma 2.1 ± 0.4

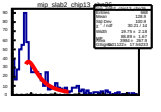

mip slab2 chip13 chan1
Entries 7000
Mean 151.2
RMS 13.17
χ² / ndf 3441 / 12
Width 70.27 ± 10.39
MPV 145.9 ± 3.4
Sigma 8.589 ± 0.058
Integral 1.1e+06 ± 2.4e+04

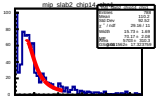

mip slab2 chip13 chan3
Entries 7000
Mean 1.e+04
RMS 1.e+04
χ² / ndf 1.e+04 / 1.e+04
Width 1.e+04 ± 1.e+04
MPV 1.e+04 ± 1.e+04
Sigma 1.e+04 ± 1.e+04
Integral 1.e+04 ± 1.e+04

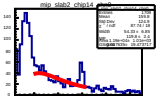

mip slab2 chip13 chan7
Entries 7000
Mean 1.e+04
RMS 1.e+04
χ² / ndf 1.e+04 / 1.e+04
Width -nan ± -nan
MPV -nan ± -nan
Sigma -nan ± -nan
Integral -nan ± -nan

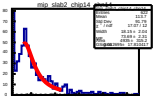

mip slab2 chip13 chan4
Entries 7000
Mean 150.2
RMS 13.17
χ² / ndf 41.67 / 10
Width 53.09 ± 3.54
MPV 145.1 ± 0.6
Sigma 8.28e+04 ± 1.21e+03
Integral 1.e+07 ± 1.6e+05

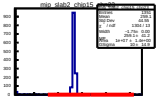

mip slab2 chip13 chan6
Entries 7000
Mean 147.7
RMS 13.17
χ² / ndf 33.87 / 10
Width 52.43 ± 4.51
MPV 145.1 ± 0.6
Sigma 8.16e+04 ± 9.49e+03
Integral 1.e+07 ± 1.6e+05

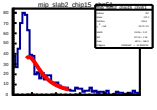

mip slab2 chip13 chan5
Entries 7000
Mean 150.0
RMS 13.17
χ² / ndf 30.17 / 14
Width 19.75 ± 2.16
MPV 150.0 ± 0.4
Sigma 2560 ± 167.9
Integral 1.e+07 ± 1.6e+05

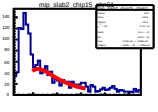

mip_slab2_chip14_chan1
Entries 1000
Mean 33.17
Std Dev 32.52
χ² / ndf 29.32 / 7
Const 23.73 ± 3.68
MPV 20.27 ± 2.08
Sigma 3.700 ± 0.600
Integral 1000.0 ± 27.0

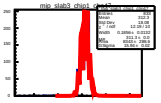

mip_slab2_chip14_chan2
Entries 1000
Mean 39.6
Std Dev 87.72
χ² / ndf 87.72 / 18
Const 54.03 ± 6.85
MPV 26.57 ± 1.13
Sigma 1.194e-06 ± 3.01e+03
Integral 1000.0 ± 26.0

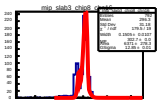

mip_slab2_chip14_chan3
Entries 1000
Mean 32.57
Std Dev 17.72
χ² / ndf 17.77 / 12
Const 28.55 ± 2.23
MPV 20.01 ± 0.57
Sigma 2.000 ± 0.000
Integral 1000.0 ± 27.0

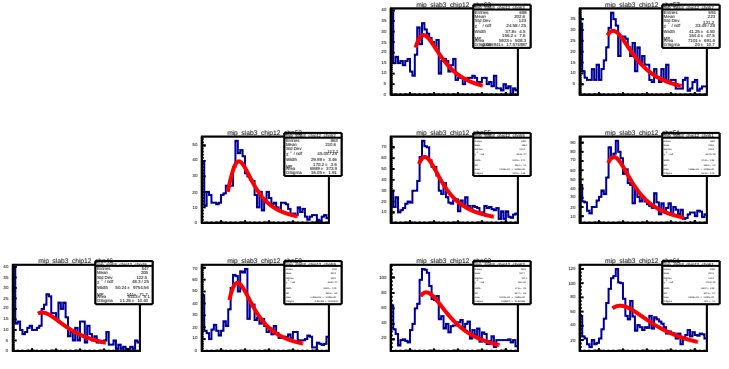

mip_slab2_chip15_chan15
Entries 3001
Mean 0.0
Std Dev 0.0
χ² / ndf 3384 / 0
Width -1.7e-5 ± 0.0
Area 1.7e+3 ± 41.2
MPV 5e-07 ± 0.0
Sigma 0.0 ± 0.0

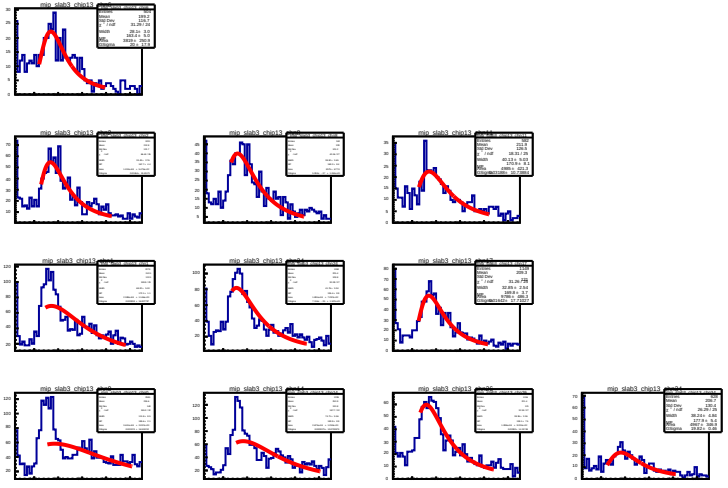

mip_slab2_chip15_chan16

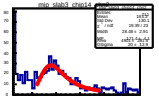

mip_slab2_chip15_chan18

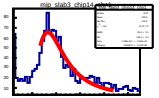

mip_slab3_chip3_chan3
Entries 3000
Mean 3.03
Std Dev 18.08
χ² / ndf 12.39 / 13
Width 0.0004 ± 0.0010
Sigma 0.0010 ± 0.0000
MPV 0.0017 ± 0.0000
Integral 65.84 ± 1.21

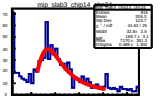

msp_slab3_chp8_c4x16
Entries 1 Mean
Mean 294.2
RMS 35.16
χ / ndf 179.5 / 19
Width 0.1909± 0.0187
Area 1.000± 0.000
Mpv 6272± 126.0
Sigma 12.94± 0.01
240
220
200
180
160
140
120
100
80
60
40
20
0

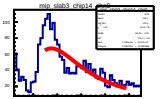

mip_slab3_chip12_chan55
Entries 1000
Mean 0.0
Std Dev 0.0
χ² / ndf 24.58 / 29
Width 37.8 ± 2.5
MPV 159.2 ± 7.8
Area 1000.0 ± 0.0
Sigma 11.4 ± 0.0
mip_slab3_chip12_chan56
Entries 1000
Mean 0.0
Std Dev 0.0
χ² / ndf 31.25 / 29
Width 41.25 ± 2.95
MPV 158.3 ± 20.9
Area 1000.0 ± 0.0
Sigma 10.1 ± 0.0
mip_slab3_chip12_chan57
Entries 1000
Mean 0.0
Std Dev 0.0
χ² / ndf 29.58 / 29
Width 39.58 ± 3.08
MPV 170.2 ± 3.6
Area 1000.0 ± 0.0
Sigma 10.8 ± 0.0
mip_slab3_chip12_chan58
mip_slab3_chip12_chan59
mip_slab3_chip12_chan60
mip_slab3_chip12_chan61
mip_slab3_chip12_chan62
mip_slab3_chip12_chan63
Entries 1000
Mean 0.0
Std Dev 0.0
χ² / ndf 43.17 / 29
Width 50.24 ± 979.6 k
MPV 1000.0 ± 0.0
Area 1000.0 ± 0.0
Sigma 11.29 ± 0.0

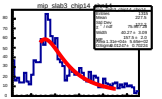

mip_slab3_chip13_strip1
mip_slab3_chip13_strip2
mip_slab3_chip13_strip3
mip_slab3_chip13_strip4
mip_slab3_chip13_strip5
mip_slab3_chip13_strip6
mip_slab3_chip13_strip7
mip_slab3_chip13_strip8
mip_slab3_chip13_strip9
mip_slab3_chip13_strip10
mip_slab3_chip13_strip11
mip_slab3_chip13_strip12

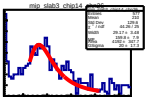

mip_slab3_chip14_strip1
Entries 1000
Mean 19.37
Std Dev 10.02
χ2 / ndf 19.38 / 23
Width 28.08 ± 2.91
MPV
Integral 37 ± 11.8

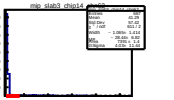

mip_slab3_chip14_strip2
Entries 1000
Mean 19.41
Std Dev 10.04
χ2 / ndf 19.41 / 23
Width 28.45 ± 2.91
MPV
Integral 38.1 ± 11.8


mip_slab3_chip14_strip3
Entries 1000
Mean 22.04
Std Dev 12.12
χ2 / ndf 32.34 / 25
Width 148.7 ± 3.3
MPV 0.0001 ± 0.01
Integral 0.0001 ± 0.01

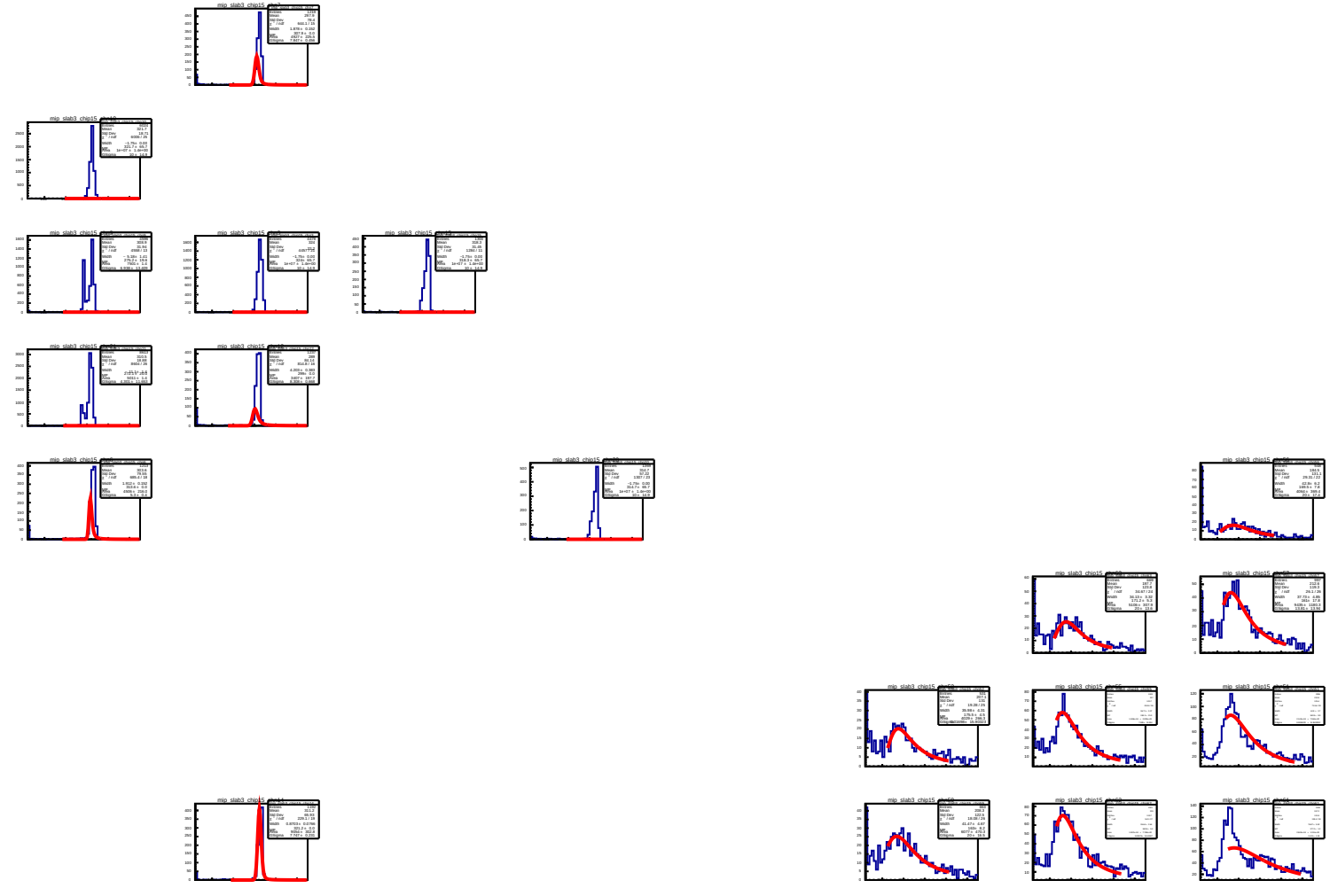

mip_slab3_chip14_strip4
Entries 1000
Mean 19.41
Std Dev 10.04
χ2 / ndf 19.41 / 23
Width 28.45 ± 2.91
MPV
Integral 38.1 ± 11.8

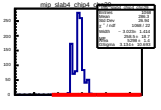

mip_slab3_chip14_strip5
Entries 1000
Mean 22.04
Std Dev 12.12
χ2 / ndf 32.34 / 25
Width 148.7 ± 3.3
MPV 0.0001 ± 0.01
Integral 0.0001 ± 0.01

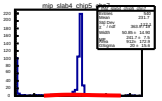

mip_slab3_chip14_strip6
Entries 1000
Mean 22.04
Std Dev 12.12
χ2 / ndf 32.34 / 25
Width 148.7 ± 3.3
MPV 0.0001 ± 0.01
Integral 0.0001 ± 0.01

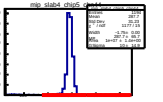

mip_slab3_chip14_strip7
Entries 1000
Mean 19.41
Std Dev 10.04
χ2 / ndf 19.41 / 23
Width 28.45 ± 2.91
MPV
Integral 38.1 ± 11.8

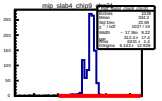

mip_slab3_chip14_strip8
Entries 1000
Mean 19.41
Std Dev 10.04
χ2 / ndf 19.41 / 23
Width 28.45 ± 2.91
MPV
Integral 38.1 ± 11.8

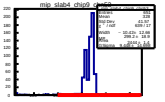


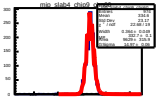

mip slab4 cnb4 ptm20
Entries 2000
Mean 2.52
Std Dev 28.56
χ² / ndf 1.08
p0 3.020e+ 3.410
p1 2935.9 ± 10.2
Mean 3.020 ± 0.003
Sigma 3.1320 ± 0.003
2500
2000
1500
1000
500
0

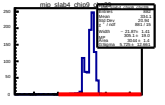

mip slab4 chip5 chan2
Entries 2157
Mean 2.7
Std Dev 0.7
χ2 / ndf 360.8 / 212
width 52.95 ± 14.76
Mean 2.7 ± 0.0
Sigma 0.11 ± 0.0
Integral 38.0 ± 0.0

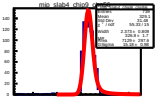

mip slab4 chip5 chan4
Entries 2157
Mean 28.27
Std Dev 0.7
χ2 / ndf 1177 / 13
p0 ± 0.0
p1 ± 0.00
Mean 28.27 ± 0.0
Sigma 14×10^-27 ± 1.4×10^-27
Integral 28.0 ± 0.0

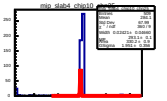

mip_slab4_chip0_ch24
Entries 2512
Mean 22.68
Std Dev 1027.15
χ / ndf 1027 / 15
Width 17.38± 9.22
Mean -17.38± 0.37
Sigma 18.51± 1.4
Chi2/ndf 0.07± 2.03

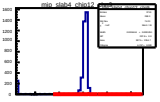

mip_slab4_chip0_ch25
Entries 2512
Mean 21.07
Std Dev 659.17
χ / ndf 659 / 7
Width -10.43± 12.98
Mean 298.41± 0.4
Sigma 0.07± 1.95
Chi2/ndf 0.07± 1.95

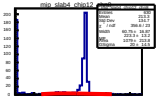

mip_slab4_chip0_ch26
Entries 2512
Mean 23.17
Std Dev 22.80 11
χ / ndf 22.80 / 11
Width 0.366± 0.918
Mean 297.9± 0.1
Sigma 0.366± 0.918
Chi2/ndf 0.07± 1.1

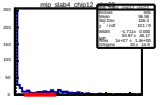

mip_slab4_chip0_ch27
Entries 2512
Mean 20.14
Std Dev 23.74
χ / ndf 23.74 / 9
Width -21.87± 1.21
Mean 298.11± 0.1
Sigma 0.09± 0.9
Chi2/ndf 0.09± 1.21

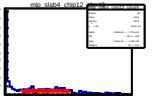

mip_slab4_chip0_ch28
Entries 2512
Mean 19.4
Std Dev 17.14
χ / ndf 55.22 / 15
Width 2.515± 0.935
Mean 298.1± 0.1
Sigma 0.09± 0.9
Chi2/ndf 0.09± 3.68

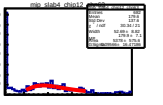

mip_slab4_chip12_ped_25
Entries 2600
Mean 57.78
Std Dev 3603.8
χ² / ndf 2600 / 0
Width 0.0102124 ± 0.0001
Mean 0.0000 ± 0.0
Sigma 0.0000 ± 0.0
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0

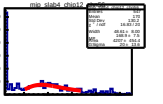

mip_slab4_chip12_chan50
Entries 2917
Mean 1.000
Std Dev 0.0000
χ² / ndf 0.0000
Width 0.0000 ± 0.0000
MPV 1.000 ± 0.0000
Integral 2917.0 ± 0.0000

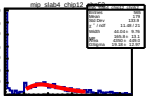

mip_slab4_chip12_chan51
Entries 2917
Mean 1.000
Std Dev 0.0000
χ² / ndf 0.0000
Width 0.0000 ± 0.0000
MPV 1.000 ± 0.0000
Integral 2917.0 ± 0.0000

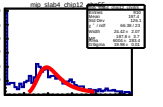

mip_slab4_chip12_chan52
Entries 2917
Mean 1.000
Std Dev 0.0000
χ² / ndf 0.0000
Width 0.0000 ± 0.0000
MPV 1.000 ± 0.0000
Integral 2917.0 ± 0.0000

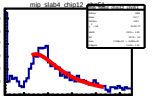

mip_slab4_chip12_chan53
Entries 2917
Mean 1.000
Std Dev 0.0000
χ² / ndf 0.0000
Width 0.0000 ± 0.0000
MPV 1.000 ± 0.0000
Integral 2917.0 ± 0.0000

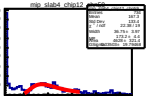

mip_slab4_chip12_chan54
Entries 2917
Mean 1.000
Std Dev 0.0000
χ² / ndf 0.0000
Width 0.0000 ± 0.0000
MPV 1.000 ± 0.0000
Integral 2917.0 ± 0.0000

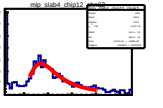

mip_slab4_chip12_chan55
Entries 2917
Mean 1.000
Std Dev 0.0000
χ² / ndf 0.0000
Width 0.0000 ± 0.0000
MPV 1.000 ± 0.0000
Integral 2917.0 ± 0.0000

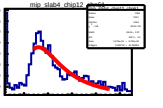

mip_slab4_chip12_chan56
Entries 2917
Mean 1.000
Std Dev 0.0000
χ² / ndf 0.0000
Width 0.0000 ± 0.0000
MPV 1.000 ± 0.0000
Integral 2917.0 ± 0.0000

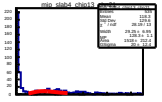

mip_slab4_chip12_chan57
Entries 2917
Mean 1.000
Std Dev 0.0000
χ² / ndf 0.0000
Width 0.0000 ± 0.0000
MPV 1.000 ± 0.0000
Integral 2917.0 ± 0.0000

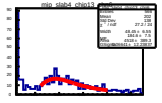

mip_slab4_chip12_chan58
Entries 2917
Mean 1.000
Std Dev 0.0000
χ² / ndf 0.0000
Width 0.0000 ± 0.0000
MPV 1.000 ± 0.0000
Integral 2917.0 ± 0.0000

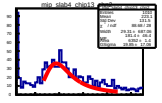

mip_slab4_chip12_chan59
Entries 2917
Mean 1.000
Std Dev 0.0000
χ² / ndf 0.0000
Width 0.0000 ± 0.0000
MPV 1.000 ± 0.0000
Integral 2917.0 ± 0.0000

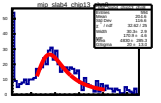

mip_slab4_chip12_chan60
Entries 2917
Mean 1.000
Std Dev 0.0000
χ² / ndf 0.0000
Width 0.0000 ± 0.0000
MPV 1.000 ± 0.0000
Integral 2917.0 ± 0.0000

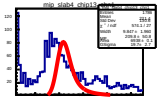

mip_slab4_chip12_chan61
Entries 2917
Mean 1.000
Std Dev 0.0000
χ² / ndf 0.0000
Width 0.0000 ± 0.0000
MPV 1.000 ± 0.0000
Integral 2917.0 ± 0.0000

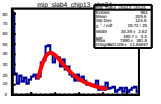

mip_slab4_chip13_chan15
Entries 1163
Mean 119.3
Std Dev 129.6
χ² / ndf 26.08 / 39
Width 29.26 ± 0.74
MPV 128.9 ± 3.1
Integral 20 ± 10.1

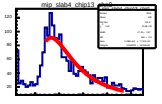

mip_slab4_chip13_chan16
Entries 700
Mean 77.8
Std Dev 27.2
χ² / ndf 27.2 / 39
Width 18.45 ± 5.91
MPV 73.9 ± 1.1
Integral 20 ± 10.1

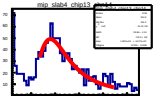

mip_slab4_chip13_chan17
Entries 1334
Mean 215.4
Std Dev 89.6
χ² / ndf 89.6 / 39
Width 25.31 ± 697.09
MPV 181.4 ± 65.4
Integral 20 ± 10.1

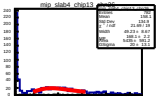

mip_slab4_chip13_chan18
Entries 1163
Mean 215.4
Std Dev 89.6
χ² / ndf 89.6 / 39
Width 20.31 ± 3
MPV 170.8 ± 5.4
Integral 40.8 ± 20.2

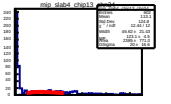

mip_slab4_chip13_chan19
Entries 1163
Mean 116.1
Std Dev 93.6
χ² / ndf 2.1 / 39
Width 0.527 ± 1.060
MPV 209.6 ± 50.8
Integral 20 ± 10.1

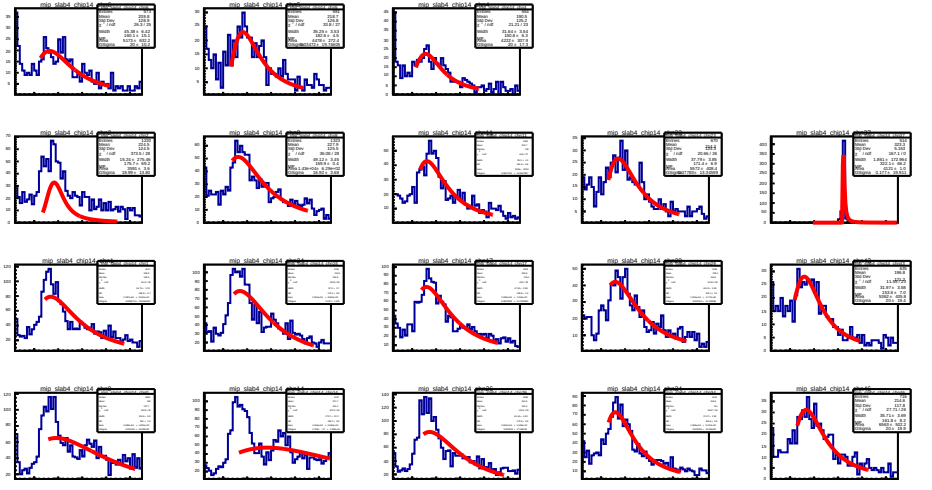

mip_slab4_chip13_chan20
Entries 1163
Mean 202.4
Std Dev 121.6
χ² / ndf 9.74 / 39
Width 10.39 ± 2.45
MPV 180.7 ± 3.4
Integral 20.1 ± 10.1


mip_slab4_chip13_chan21
Entries 1163
Mean 116.1
Std Dev 93.6
χ² / ndf 2.1 / 39
Width 0.527 ± 1.060
MPV 209.6 ± 50.8
Integral 20 ± 10.1


mip_slab4_chip13_chan22
Entries 1163
Mean 202.4
Std Dev 121.6
χ² / ndf 9.74 / 39
Width 10.39 ± 2.45
MPV 180.7 ± 3.4
Integral 20.1 ± 10.1


mip_slab4_chip13_chan23
Entries 1163
Mean 116.1
Std Dev 93.6
χ² / ndf 21.87 / 39
Width 18.23 ± 8.67
MPV 73.9 ± 1.1
Integral 5.035 ± 5.61.2
20 ± 10.1


mip_slab4_chip13_chan24
Entries 1163
Mean 116.1
Std Dev 93.6
χ² / ndf 12.47 / 39
Width 20.63 ± 21.15
MPV 73.9 ± 1.1
Integral 2.005 ± 3.5.1
20 ± 10.1


mip slab4 chip14
mip slab4 chip14
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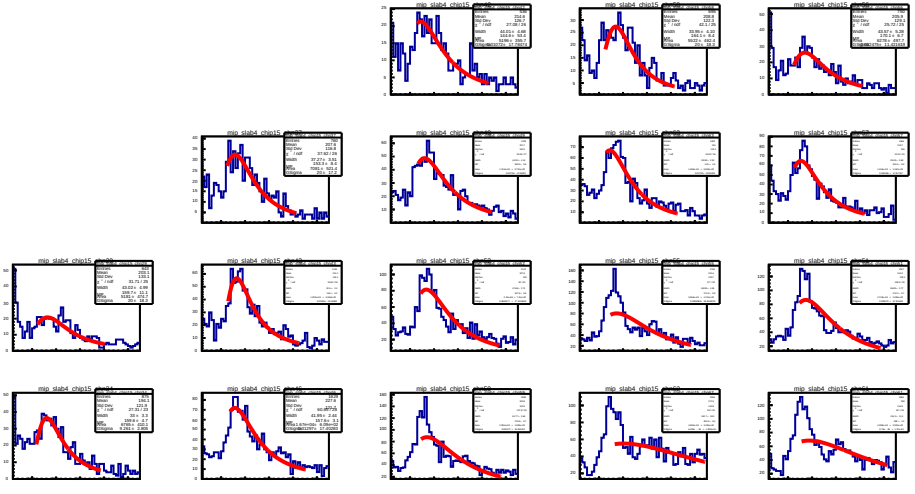
mip_slab4_chip15
Mean 214.9
Std Dev 109.7
χ² / ndf 27.08 / 26
Width 43.61 ± 6.95
Mean 109.6 ± 4.7
Sigma 52.84 ± 3.60 / 2
mip_slab4_chip15
Mean 209.9
Std Dev 102.4
χ² / ndf 42.1 / 29
Width 39.96 ± 6.32
Mean 100.0 ± 4.0
Sigma 47.1 ± 3.1
mip_slab4_chip15
Mean 210.9
Std Dev 103.7
χ² / ndf 29.72 / 26
Width 43.67 ± 9.25
Mean 102.7 ± 4.7
Sigma 52.75 ± 4.17 / 2
mip_slab4_chip15
Mean 202.8
Std Dev 101.4
χ² / ndf 37.67 / 24
Width 37.27 ± 3.51
Mean 103.9 ± 4.4
Sigma 50.1 ± 3.2 / 2
mip_slab4_chip15
mip_slab4_chip15
mip_slab4_chip15
mip_slab4_chip15
mip_slab4_chip15
Mean 198.7
Std Dev 105.1
χ² / ndf 3.26 / 3
Width 43.03 ± 2.17
Mean 108.7 ± 2.1
Sigma 51.8 ± 1.6 / 2
mip_slab4_chip15
mip_slab4_chip15
mip_slab4_chip15
mip_slab4_chip15
mip_slab4_chip15
Mean 199.9
Std Dev 102.4
χ² / ndf 27.67 / 23
Width 38 ± 3.3
Mean 104.9 ± 3.1
Sigma 47.55 ± 2.65 / 2
mip_slab4_chip15
mip_slab4_chip15
mip_slab4_chip15
mip_slab4_chip15
mip_slab4_chip15