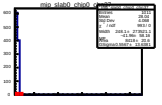
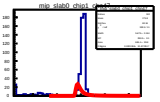
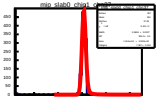
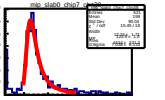
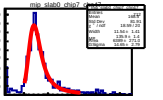
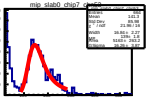

mip_slab0_chip0_crash0
Entries 1214
Mean 19.68
Mean x 19.68
Std Dev 9853.0
Underflow 0
Overflow 3163.1 27931.1
-1.96e+ 58.34
Integral 1214.0
Skewness 11.0363
600
500
400
300
200
100
0

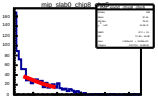

mip_slab0_chip1_chan0
Entries 1000
Mean 0.7
Mean x 0.7
Std Dev 0.07
Std Dev x 0.07
Integral 1000.
Skewness 0.0
Skewness x 0.0
Kurtosis 0.0
Kurtosis x 0.0
χ²/ndf 1.1 / 1.0
Width 0.0
Calibrated 0.7 ± 0.0
Resolution 10.0 ± 0.0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
110
115
120
125
130
135
140
145
150

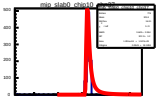

mip_slab0_chip1_chan0
Entries 1000
Mean 0.7
Mean x 0.7
Std Dev 0.07
Std Dev x 0.07
Integral 1000.
Skewness 0.0
Skewness x 0.0
Kurtosis 0.0
Kurtosis x 0.0
χ²/ndf 1.1 / 1.0
Width 0.0
Calibrated 0.7 ± 0.0
Resolution 10.0 ± 0.0
0
50
100
150
200
250
300
350
400
450
500

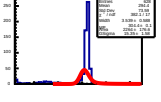

mip_slab0_chip7_ch45
Entries 1124
Mean 110
Std Dev 80.03
χ² / ndf 15.20 / 19
Width 12.92 ± 1.73
MPV 110.0 ± 1.2
Integral 4558 ± 67.5

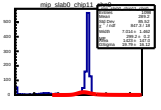

mip_slab0_chip7_ch45
Entries 1124
Mean 110
Std Dev 80.03
χ² / ndf 18.80 / 21
Width 11.50 ± 1.6
MPV 110.0 ± 1.2
Integral 4558 ± 67.5


mip_slab0_chip7_ch45
Entries 1124
Mean 143.8
Std Dev 87.14
χ² / ndf 21.80 / 21
Width 16.81 ± 2.2
MPV 143.8 ± 1.6
Integral 5187 ± 84.7

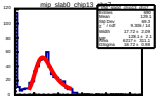

mip stab0 chi2 prof
Entries 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Mean x 0.4
Mean y 0.4
Rms x 0.4
Rms y 0.4
Underflow x 0.0
Underflow y 0.0
Overflow x 0.0
Overflow y 0.0
Integral 0.0
Skewness x 0.0
Skewness y 0.0
Kurtosis x 0.0
Kurtosis y 0.0
Tot/Ent 0.0 / 0.0
Underflow 0.0
Overflow 0.0
Integral 0.0
Skewness 0.0
Kurtosis 0.0
Tot/Ent 0.0 / 0.0
200
180
160
140
120
100
80
60
40
20
0

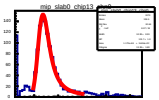

mip_slab0_chip10_
500
400
300
200
100
0

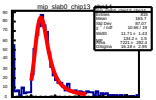

mip_slab0_chip10_
250
200
150
100
50
0
Mean 25.19
Sigma 25.19
χ² / ndf 392.2 / 17
Width 3.928 ± 0.928
Mean 25.01 ± 0.04
Sigma 25.70 ± 1.74

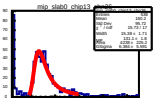

msp slab0 chip11 ped2
Entries 2048
Mean 2.122
RMS 29.42
χ² / ndf 847.3 / 18
Const 7.014 ± 1.482
Mean 0.0000 ± 0.0000
Sigma 0.0000 ± 1.013
Integral 28.94 ± 14.12
500
400
300
200
100
0

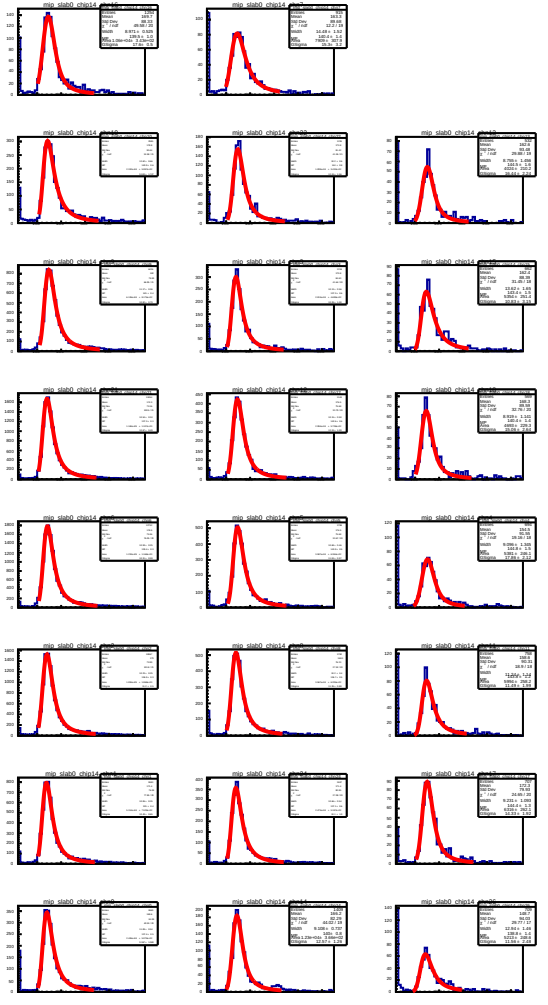
mip slab0 chip12
mip slab0 chip12
mip slab0 chip12


mip slab0 chip13 chan5
Entries 1000
Mean 97.1
Std Dev 9.386 14
χ² / ndf 9.386 / 14
Width 17.70 ± 2.28
Area 1000 ± 0.0
MPV 63.71 ± 0.7
Sigma 26.58 ± 1.1

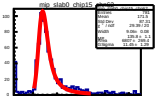

mip slab0 chip13 chan5
Entries 1000
Mean 99.1
Std Dev 10.87 13
χ² / ndf 10.87 / 13
Width 11.71 ± 1.13
Area 1000 ± 0.0
MPV 72.51 ± 0.5
Sigma 26.58 ± 1.1

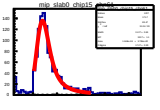

mip slab0 chip13 chan5
Entries 1000
Mean 102.7
Std Dev 15.72 12
χ² / ndf 15.72 / 12
Width 19.18 ± 1.71
Area 1000 ± 0.0
MPV 43.84 ± 0.6
Sigma 4.364 ± 0.01

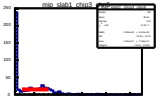

mip slab0 chip13 chan5
Entries 1000
Mean 99.2
Std Dev 15.72 12
χ² / ndf 15.72 / 12
Width 19.18 ± 1.71
Area 1000 ± 0.0
MPV 43.84 ± 0.6
Sigma 4.364 ± 0.01

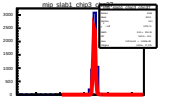


mip_slab0_chip15_chan4
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0.000 ± 0.000
Overflow 0.000 ± 0.000
Integral 1.000e+03 ± 0.000e+00
Skewness 0.000 ± 0.000
400
350
300
250
200
150
100
50
0

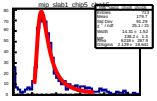

mip_slab0_chip15_chan3
Entries 1000
Mean 171.3
RMS 29.87
χ² / ndf 29.38 / 22
Prob 0.0ee 0.00
Width 0.0ee ± 0.00
Mpv 0.0ee ± 0.00
Area 8007.9 ± 240.2
Sigma 11.65 ± 1.25
100
80
60
40
20
0

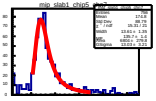

mip_slab0_chip15_chan2
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0.000 ± 0.000
Overflow 0.000 ± 0.000
Integral 1.000e+03 ± 0.000e+00
Skewness 0.000 ± 0.000
140
120
100
80
60
40
20
0

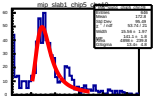

mip slab1 chn3 cmb3
Entries 1000
Mean 0.0
Mean x 0.0
Std Dev 0.0
Std Dev x 0.0
Integral 1000.0
Underflow 0.0
Overflow 0.0
Underflow x 0.0
Overflow x 0.0
250
200
150
100
50
0

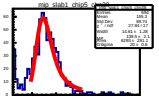

mip slab1 chn3 cmb3
Entries 1000
Mean 0.0
Mean x 0.0
Std Dev 0.0
Std Dev x 0.0
Integral 1000.0
Underflow 0.0
Overflow 0.0
Underflow x 0.0
Overflow x 0.0
3000
2500
2000
1500
1000
500
0

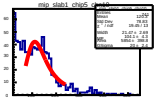
mip_slab1_chip4_cmb
Entries 1000
Mean 1.000
Mean x 1.000
Mean y 1.000
RMS 0.0000
RMS x 0.0000
RMS y 0.0000
Underflow 0
Overflow 0
Integral 1000
Skewness x -nan
Skewness y -nan
Kurtosis x -nan
Kurtosis y -nan
500
400
300
200
100
0

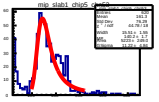

mip slab1 chip5 ch0
Entries 1147
Mean 90.29
Std Dev 29.17 / 0.86
χ² / ndf 1.02
Width 14.92 ± 1.02
MPV 91.03 ± 0.71
Integral 9.139 ± 0.023

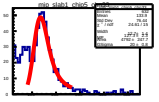

mip slab1 chip5 ch1
Entries 1142
Mean 88.15
Std Dev 28.01 / 0.83
χ² / ndf 1.02
Width 13.61 ± 1.15
MPV 88.15 ± 0.71
Integral 13.07 ± 0.03

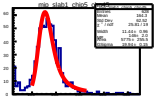

mip slab1 chip5 ch2
Entries 1122
Mean 96.68
Std Dev 53.73 / 0.91
χ² / ndf 1.07
Width 39.94 ± 1.67
MPV 93.03 ± 0.71
Integral 10.6 ± 0.3

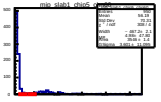

mip slab1 chip5 ch5
Entries 1128
Mean 88.72
Std Dev 27.92 / 0.83
χ² / ndf 1.08
Width 14.64 ± 1.08
MPV 90.03 ± 0.71
Integral 9.139 ± 0.023

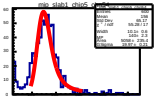

mip slab1 chip5 ch6
Entries 1107
Mean 114.9
Std Dev 19.85 / 0.59
χ² / ndf 1.08
Width 21.07 ± 2.69
MPV 114.9 ± 0.7
Integral 6.001 ± 0.015

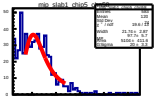

mip slab1 chip5 ch7
Entries 1142
Mean 141.9
Std Dev 42.78 / 0.91
χ² / ndf 1.08
Width 19.61 ± 1.39
MPV 142.9 ± 0.7
Integral 11.04 ± 0.04

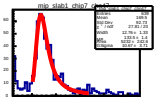

mip slab1 chip5 ch8
Entries 1118
Mean 131.0
Std Dev 24.67 / 0.74
χ² / ndf 1.14
Width 17.71 ± 1.46
MPV 132.0 ± 0.7
Integral 7.07 ± 0.02

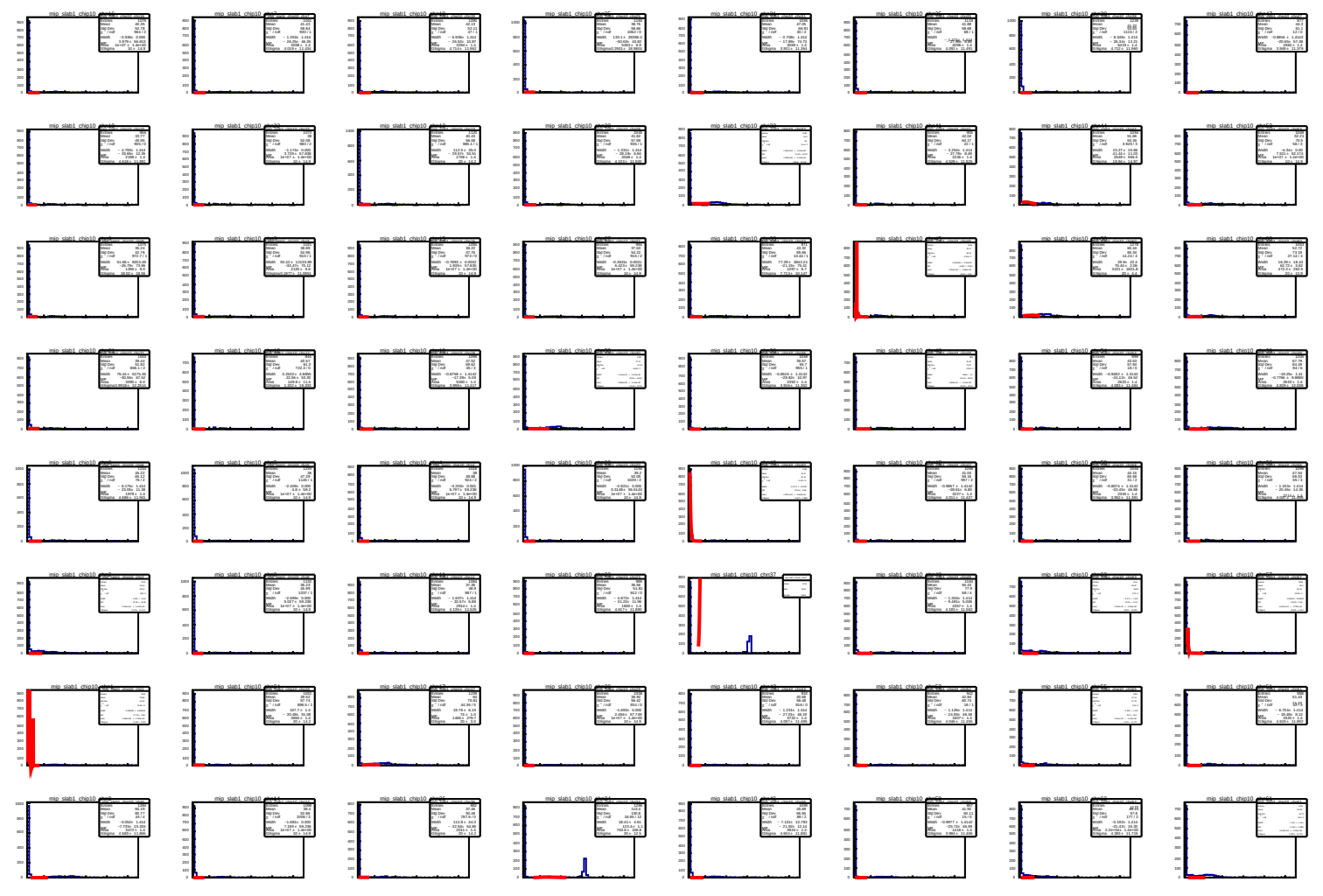

mip slab1 chip5 ch9
Entries 1127
Mean 164.7
Std Dev 35.72 / 0.94
χ² / ndf 1.08
Width 11.61 ± 0.95
MPV 165.0 ± 0.7
Integral 12.03 ± 0.03

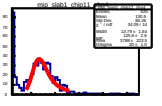

mip slab1 chip5 ch10
Entries 1100
Mean 94.18
Std Dev 368.7 / 1.11
χ² / ndf 1.08
Width - 487.9 ± 2.1
MPV 4.000 ± 7.0
Integral 3.001 ± 0.01

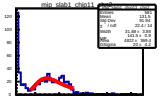

mip slab1 chip5 ch11
Entries 1100
Mean 100
Std Dev 35.17 / 0.94
χ² / ndf 1.08
Width 10.20 ± 0.9
MPV 100.0 ± 0.7
Integral 8000 ± 200.2
Integral 25.0 ± 0.1

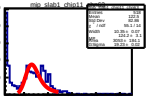

mip slab1 chip5 ch12
Entries 1100
Mean 110
Std Dev 19.61 / 0.59
χ² / ndf 1.08
Width 21.91 ± 3.07
MPV 110.0 ± 0.7
Integral 9150 ± 213.3
Integral 25.0 ± 0.1

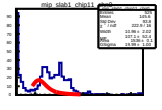

mip slab1 chip7 Layer5
Entries 10000
Mean 1.013
Std Dev 0.0.15
χ² / ndf 17.81 / 19
Width 1.79e-1 ± 1.1e
Mean 1.000 ± 0.000
Sigma 0.0.0 ± 0.0.1
Integral 0.0.0 ± 0.0

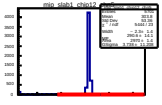


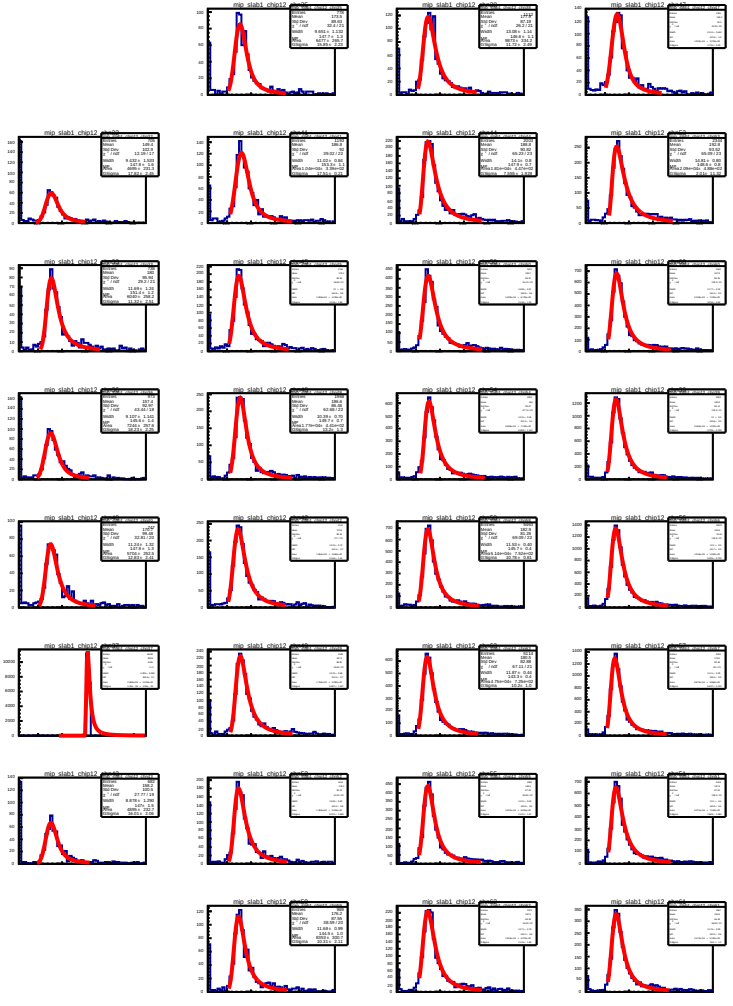

mip slab1 chip11
Entries 1979
Mean 20.16
Std Dev 10.16
χ² / ndf 34.09 / 14
Amp 13.79 ± 5.52
MPV 9.08 ± 0.21
Sigma 3.58 ± 0.21
Area 50.1 ± 1.1

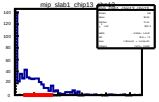

mip slab1 chip11
Entries 1979
Mean 21.1
Std Dev 10.14
χ² / ndf 202.4 / 14
Amp 21.08 ± 0.91
MPV 141.6 ± 0.8
Sigma 10.72 ± 0.57
Area 50.1 ± 0.2

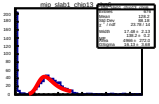

mip slab1 chip11
Entries 1979
Mean 22.4
Std Dev 10.4
χ² / ndf 56.3 / 14
Amp 21.35 ± 0.57
MPV 124.3 ± 0.4
Sigma 9.77 ± 0.31
Area 50.1 ± 0.2

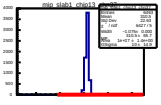

mip slab1 chip11
Entries 1979
Mean 19.57
Std Dev 9.61
χ² / ndf 222.8 / 18
Amp 10.96 ± 2.02
MPV 15.46 ± 0.12
Sigma 1.96 ± 0.12
Area 50.1 ± 0.2

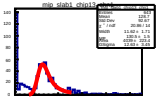

mip slab1 chip12
Mean 55.9
Std Dev 10.0
χ² / ndf 5.642 / 23
Width 2.5 ± 0.1
MPV 256.0 ± 1.1
Integral 2.05e + 3 ± 0.0

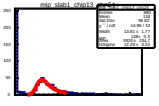


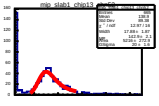

mip slab1 chip13 chan18
Entries 1024
Mean 10.14
Std Dev 20.62
χ² / ndf 23.78 / 14
width 17.49 ± 0.23
MPV 0.0001 ± 0.014
Integral 13.11 ± 0.16

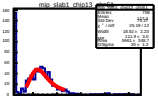

mip slab1 chip13 chan19
Entries 1024
Mean 10.14
Std Dev 20.62
χ² / ndf 23.78 / 14
width 17.49 ± 0.23
MPV 0.0001 ± 0.014
Integral 13.11 ± 0.16

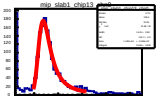

mip slab1 chip13 chan20
Entries 1024
Mean 1024.5
Std Dev 255.8
χ² / ndf 6427.74
width 0.2750 ± 0.000
1024.9 ± 66.7
MPV 64.7007 ± 0.0000
Integral 0.1 ± 0.0

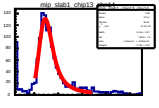

mip slab1 chip13 chan21
Entries 1024
Mean 10.17
Std Dev 50.47
χ² / ndf 20.00 / 14
width 12.42 ± 1.71
MPV 3.00 ± 1.9
Integral 1.0 ± 0.0
12.42 ± 1.71
12.42 ± 1.71

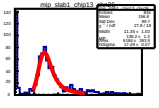

mip slab1 chip13 chan22
Entries 1024
Mean 10.17
Std Dev 99.42
χ² / ndf 20.00 / 14
width 13.61 ± 1.77
MPV 3.00 ± 0.0
Integral 1024.0 ± 0.0
13.61 ± 1.77
13.61 ± 1.77

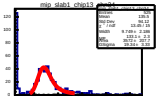

mip slab1 chip13 chan23
Entries 1024
Mean 10.17
Std Dev 89.38
χ² / ndf 20.00 / 14
width 17.65 ± 1.47
MPV 3.00 ± 0.0
Integral 1024.0 ± 0.0
17.65 ± 1.47
17.65 ± 1.47


mip slab1 chip13 chan24
Entries 1024
Mean 10.17
Std Dev 74.14
χ² / ndf 20.00 / 14
width 19.50 ± 2.10
MPV 3.00 ± 0.0
Integral 1024.0 ± 0.0
19.50 ± 2.10
19.50 ± 2.10

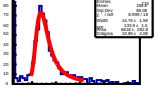

mip slab1 chip13 chan25
Entries 1024
Mean 10.17
Std Dev 20.62
χ² / ndf 20.00 / 14
width 11.35 ± 1.02
MPV 3.00 ± 0.0
Integral 1024.0 ± 0.0
11.35 ± 1.02
11.35 ± 1.02

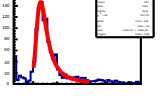

mip slab1 chip13 chan26
Entries 1024
Mean 10.17
Std Dev 27.87
χ² / ndf 20.00 / 14
width 11.35 ± 1.02
MPV 3.00 ± 0.0
Integral 1024.0 ± 0.0
11.35 ± 1.02
11.35 ± 1.02

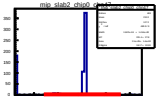

mip slab1 chip13 chan27
Entries 1024
Mean 10.17
Std Dev 27.87
χ² / ndf 20.00 / 14
width 11.35 ± 1.02
MPV 3.00 ± 0.0
Integral 1024.0 ± 0.0
11.35 ± 1.02
11.35 ± 1.02

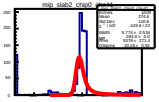

mip slab1 chip13 chan28
Entries 1024
Mean 10.17
Std Dev 13.17
χ² / ndf 20.00 / 14
width 9.749 ± 2.209
MPV 3.00 ± 0.0
Integral 1024.0 ± 0.0
9.749 ± 2.209
9.749 ± 2.209

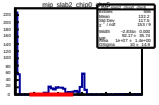
mip slab1 chip15 ch16
Entries 1000
Mean 26.12
RMS 20.15
χ² / ndf 991 / 0
Const 0.0701 ± 0.000
MPV 31.37 ± 0.00
Width 14.027 ± 0.0000
Integral 34.1 ± 0.0
700
600
500
400
300
200
100
0

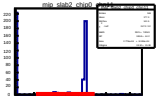

mip slab1 chip15 ch17
Entries 1000
Mean 24.07
RMS 19.02
χ² / ndf 0.997 / 19
Const 15.75 ± 1.00
MPV 31.00 ± 0.00
Width 10.03 ± 0.03
Integral 10.04 ± 0.0
80
70
60
50
40
30
20
10
0

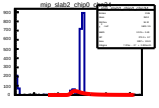

mip slab1 chip15 ch18
Entries 1000
Mean 17.4
RMS 14.4
χ² / ndf 107.4 / 7
Const 1.00 ± 0.00
MPV 0.00 ± 0.00
Width 0.00 ± 0.00
Integral 0.0 ± 0.0
120
100
80
60
40
20
0

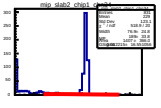

mip_slab2_chip0_chan3

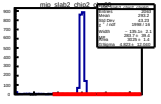

mip_slab2_chip0_chan4

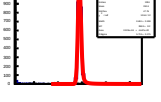

mip_slab2_chip0_chan5

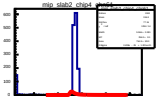

mip_slab2_chip0_chan6

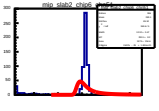

mip_slab2_chip0_chan7

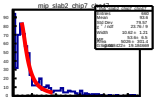

mip_slab2_chan1_cut1
Entries 2000
Mean 2.02
RMS 0.2
Underflow 0
Overflow 0
χ² / ndf 5.02 / 17
Width 76.0k ± 20.8
Mean 1.000 ± 0.000
RMS 1.027 ± 0.000
Integral 1.0e+06 ± 1.0e+03
350
300
250
200
150
100
50
0

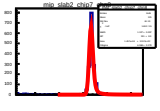

map_slab2_chip2_charge
Entries 2412
Mean 2.1
Std Dev 1.1
Integral 2412.00
Width -136.1e-3 4.1
Height 2.1e-3 0.2
Mean -0.0e-3 0.0
Sigma 1.0e-3 0.0

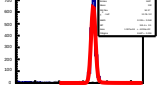

map_slab2_chip2_charge
Entries 2412
Mean 2.1
Std Dev 1.1
Integral 2412.00
Width 1.0e-3 0.0
Height 2.1e-3 0.2
Mean -0.0e-3 0.0
Sigma 1.0e-3 0.0

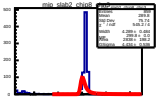

msp_slab2_chip4_panel2
Entries 1000
Mean 0.0000
Mean x 0.0000
Mean y 0.0000
RMS 0.0000
RMS x 0.0000
RMS y 0.0000
Integral 1000.0
Underflow 0.0
Overflow 0.0
Underflow x 0.0
Overflow x 0.0
Underflow y 0.0
Overflow y 0.0
Contents 1000.0
Contents x 0.0
Contents y 0.0
500
450
400
350
300
250
200

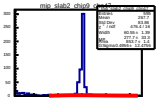


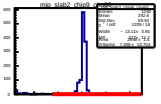

mip_slab2_chip7_chan3
Entries 1000
Mean 10.4
Std Dev 75.57
χ² / ndf 23.75 / 9
Width 10.430 ± 3.13
Peak 1.000 ± 0.000
Mean 10.00 ± 0.01
Sigma 0.000 ± 0.000
Integral 10.00 ± 0.00

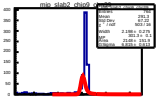

mip_slab2_chip7_chan2

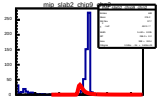

mip_slab2_chip7_chan4

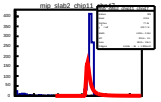

mip_slab2_chn28
Entries 1000
Mean 293.8
Std Dev 5.571
Integral 1000
Width 4.380 ± 0.450
Mean 298.4 ± 0.3
Sigma 2.190 ± 0.225
Contents 4.000 ± 0.000
500
400
300
200
100
0

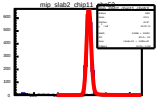

mip_slab2_chip0_chan5
Entries 2972
Mean 85.98
Std Dev 376.2 ± 3.9
χ² / ndf 10.50 / 3.0
Width 50.50 ± 3.9
Mean 85.98 ± 0.0
Sigma 692.7 ± 3.5
Integral (entry) 2972.0

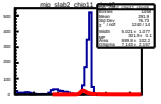

mip_slab2_chip0_chan6
Entries 2921
Mean 292.8
Std Dev 32.0
χ² / ndf 11.00 / 3.0
Width − 13.11± 0.92
Mean 292.8 ± 0.6
Sigma 32.2
Integral (entry) 2 2921.0 ± 1.0

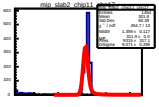

mip_slab2_chip0_chan7
Entries 2913
Mean 292.3
Std Dev 62.0
χ² / ndf 12.00 / 3.0
Width 2.198± 0.215
302.2 ± 0.1
Mean 292.3 ± 1.1
Sigma 61.6 ± 1.0
Integral (entry) 2 2913.0

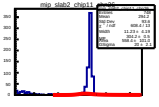

mip_slab2_chip0_chan2
Entries 2972
Mean 85.98
Std Dev 376.2 ± 3.9
χ² / ndf 10.50 / 3.0
Width 50.50 ± 3.9
Mean 85.98 ± 0.0
Sigma 692.7 ± 3.5
Integral (entry) 2 2972.0

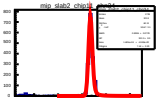

mip slab2 chip11 chan25


mip slab2 chip11 chan26


mip slab2 chip11 chan27


mip slab2 chip11 chan17


mip slab2 chip11 chan18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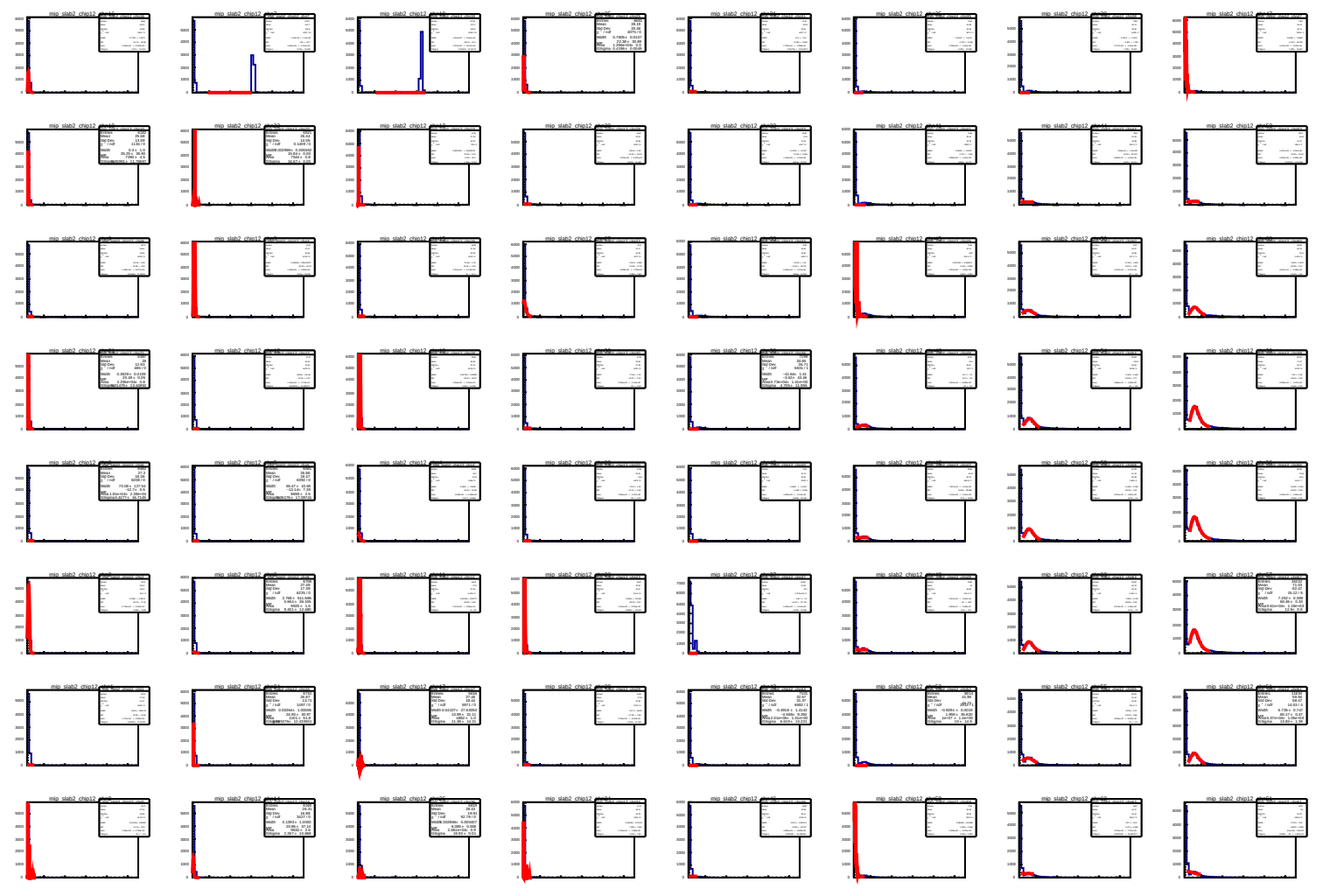
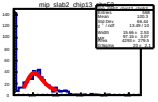
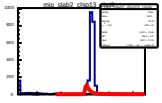



mip slab2 chip13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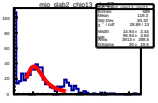
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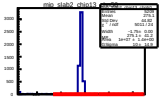
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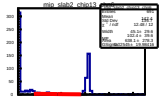
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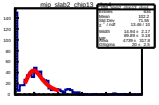
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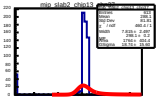
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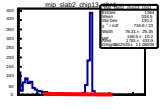
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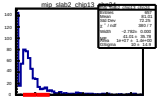
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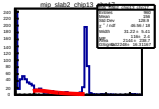
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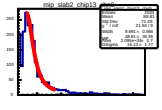
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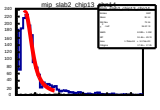
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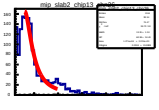
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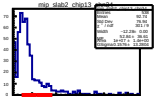
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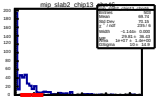
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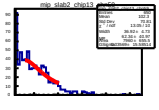
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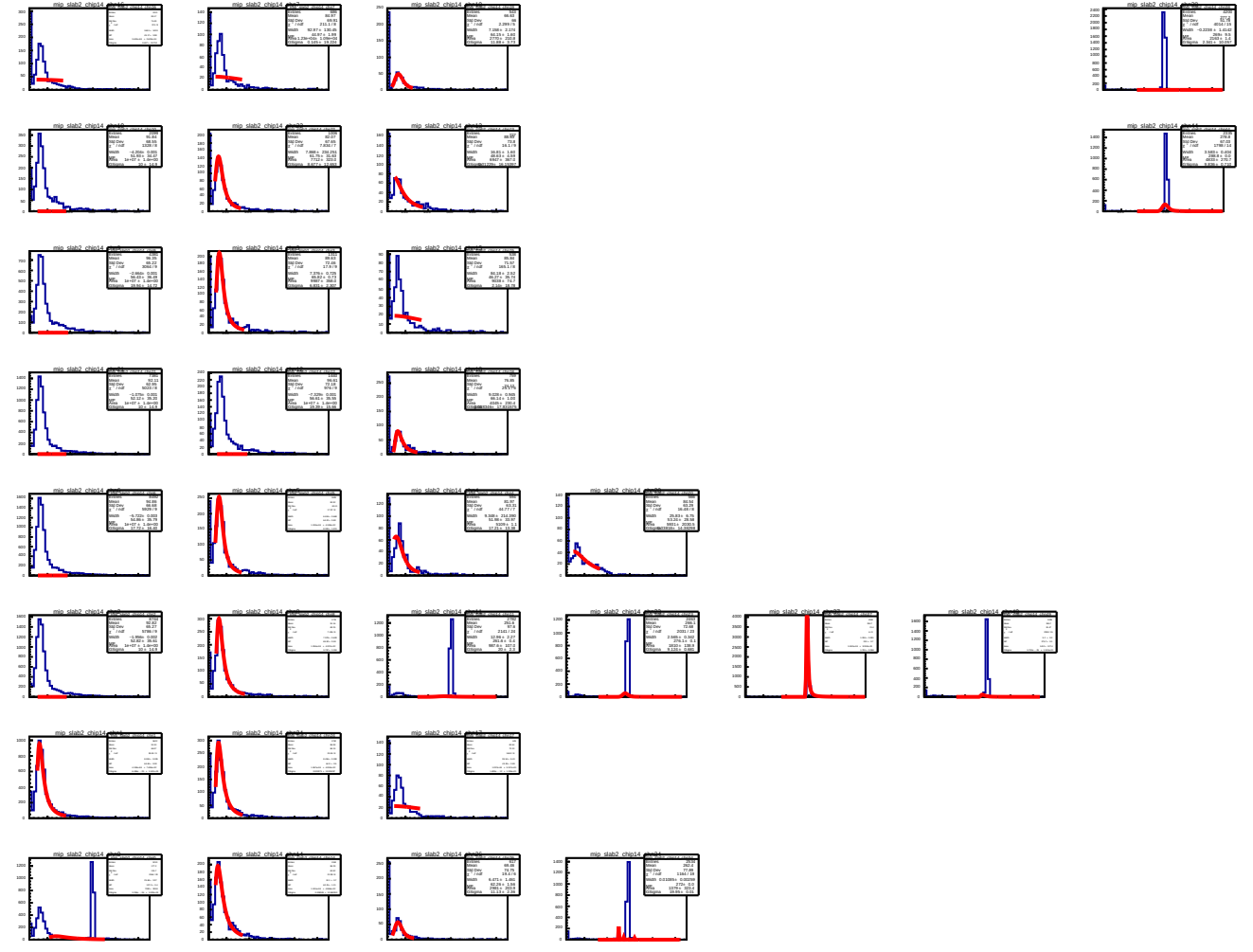

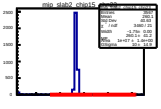
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Entries 3864
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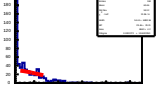
RMS 0.4
Underflow 0
Overflow 0
χ² / ndf 3480 / 61
Width 0.7fix 0.01
Area 1.e+07 ± 1.e+05
MPV 1.e+07 ± 1.e+05
Sigma 0.0 ± 0.0
2500
2000
1500
1000
500
0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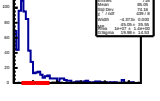
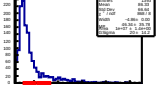
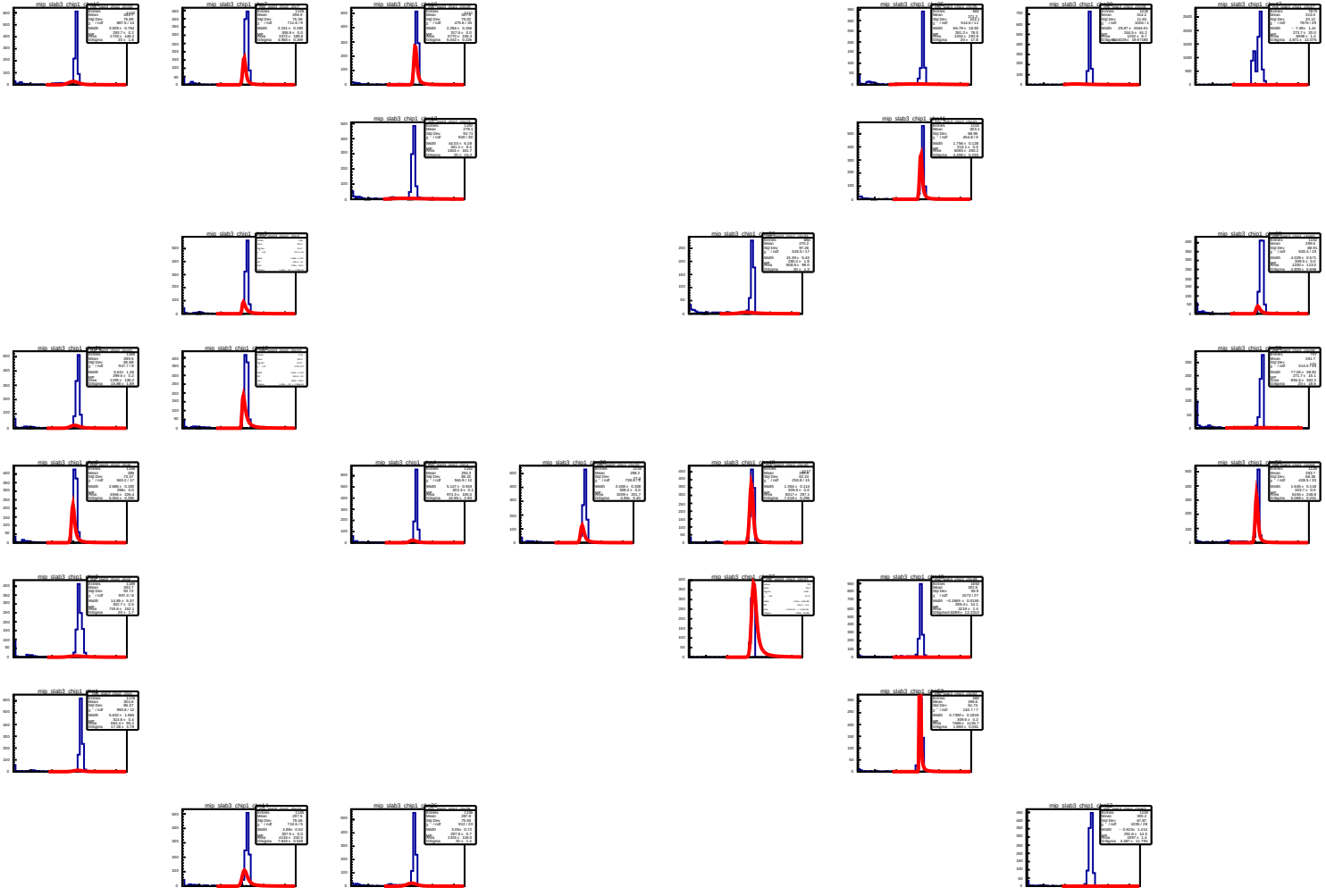
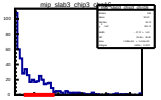
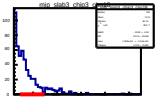
Entries 3864
Mean 0.7
RMS 0.4
Underflow 0
Overflow 0
χ² / ndf 3480 / 61
Width 0.7fix 0.01
Area 1.e+07 ± 1.e+05
MPV 1.e+07 ± 1.e+05
Sigma 0.0 ± 0.0
180
160
140
120
100
80
60
40
20
0

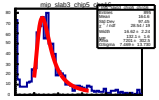

mip_slab2_chip15_chan3
Entries 3864
Mean 0.7
RMS 0.4
Underflow 0
Overflow 0
χ² / ndf 3480 / 61
Width 0.7fix 0.01
Area 1.e+07 ± 1.e+05
MPV 1.e+07 ± 1.e+05
Sigma 0.0 ± 0.0
100
80
60
40
20
0

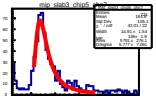

mip_slab2_chip15_chan4
Entries 3864
Mean 0.7
RMS 0.4
Underflow 0
Overflow 0
χ² / ndf 3480 / 61
Width 0.7fix 0.01
Area 1.e+07 ± 1.e+05
MPV 1.e+07 ± 1.e+05
Sigma 0.0 ± 0.0
250
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0

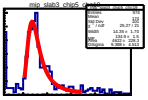


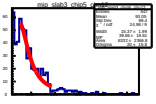

msp slab3 chip3 ch4
Entries 1.0
Mean 0.0
RMS 0.0
Underflow 0.0
Overflow 0.0
Integral 1.0
Skewness 0.0
Kurtosis 0.0
100
80
60
40
20
0

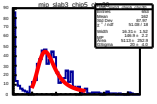

msp slab3 chip3 ch5
Entries 1.0
Mean 0.0
RMS 0.0
Underflow 0.0
Overflow 0.0
Integral 1.0
Skewness 0.0
Kurtosis 0.0
100
80
60
40
20
0

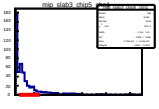

mip slab3 chip5 chn1
Entries 1000
Mean 24.22
Std Dev 87.05
χ² / ndf 29.54 / 19
Width 19.62 ± 2.24
Area 1.000 ± 0.000
Mpv 7.551 ± 0.515
Sigma 7.089 ± 0.230

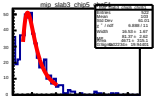

mip slab3 chip5 chn2
Entries 1000
Mean 14.02
Std Dev 123.3
χ² / ndf 42.01 / 17
Width 14.91 ± 1.14
Area 1.000 ± 0.000
Mpv 6.767 ± 0.251
Sigma 6.777 ± 0.127

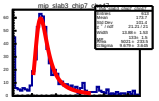

mip slab3 chip5 chn3
Entries 1000
Mean 7.51
Std Dev 112
χ² / ndf 25.27 / 21
Width 16.39 ± 1.70
Area 1.000 ± 0.000
Mpv 8.023 ± 0.243
Sigma 8.968 ± 0.213

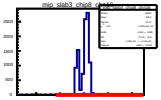

mip slab3 chip5 chn4
Entries 1000
Mean 66.63
Std Dev 187.1
χ² / ndf 24.66 / 5
Width 15.14 ± 3.65
Area 20.84 ± 14.63
Mpv 6352 ± 2968.8
Sigma 2.5 ± 0.1

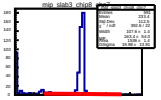

mip slab3 chip5 chn5
Entries 1000
Mean 30.7
Std Dev 81.57
χ² / ndf 31.16 / 14
Width 16.31 ± 1.2
Area 1.000 ± 0.0
Mpv 5110 ± 263.8
Sigma 2.5 ± 0.1

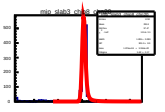

mip slab3 chip5 chn6
Entries 1000
Mean 1.08
Std Dev 1.08
χ² / ndf 0.0
Width 0.0
Area 0.0
Mpv 0.0
Sigma 0.0
Fit Status Failed
Chi2 not calculated
Fit Range [0.0, 0.0]

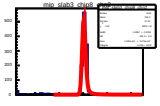

mip slab3 chip5 chn7
Entries 1000
Mean 7.52
Std Dev 9.01
χ² / ndf 9.01 / 7
Width 16.97 ± 2.47
Area 1.000 ± 0.000
Mpv 10.57 ± 2.42
Sigma 8.9 ± 0.1
Fit Range [0.0, 19.9999]


mip_slab3_chip7_chan5
Entries 2100
Mean 232.7
Std Dev 22.1
χ² / ndf 21.21 / 11
Width 13.89 ± 3.16
Sigma 8.57 ± 0.14
Mpv 243.0 ± 0.5
Nsigma 8.57 ± 0.14


mip_slab3_chip8_chan5


mip_slab3_chip8_chan5


mip_slab3_chip8_chan5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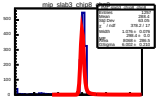
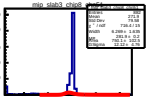
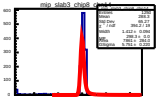

mip_slab3_chip8_chan5


mip_slab3_chip8_chan5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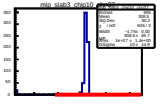
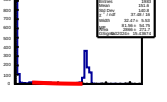
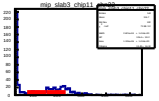
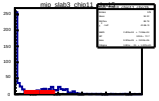
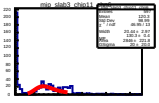
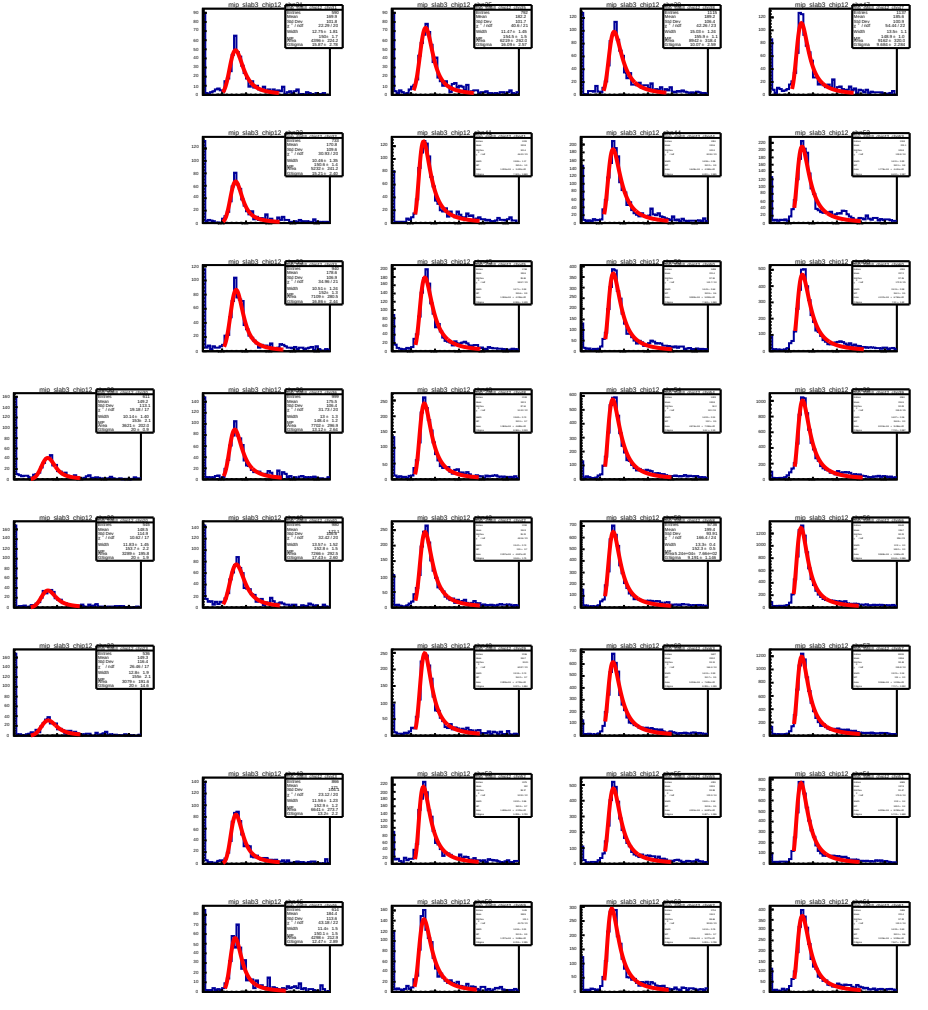

mip_slab3_chip10_strip3
Entries 1000
Mean 100.5
RMS 28.87
χ² / ndf 8384 / 0
Prob 0.00
Const 358.6 ± 68.7
Mean 94.97 ± 0.09
Sigma 27.1 ± 0.1

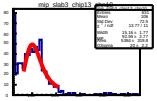

mip_slab3_chip10_strip3
Entries 1000
Mean 144.4
RMS 37.87
χ² / ndf 37.87 / 0
Prob 0.00
Const 32.47 ± 5.55
Mean 144.1 ± 0.3
Sigma 29.6 ± 27.7
Sigma(CCCV) 29.6 ± 0.8

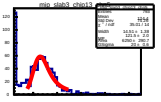

mip slab3 chip11 ch0
Entries 1000
Mean 1.000
RMS 0.000
Underflow 0
Overflow 0
Integral 1000
Skewness 0.000
Kurtosis 0.000
Constant 1000.0 ± 31.6
Mean 1.000 ± 0.000
Sigma 0.000 ± 0.000
250
200
150
100
50
0

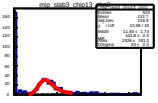

mip slab3 chip11 ch0
Entries 1000
Mean 1.000
RMS 0.000
Underflow 0
Overflow 0
Integral 1000
Skewness 0.000
Kurtosis 0.000
Constant 1000.0 ± 31.6
Mean 1.000 ± 0.000
Sigma 0.000 ± 0.000
250
200
150
100
50
0

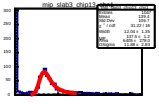

mip slab3 chip11 ch0
Entries 1000
Mean 125.7
RMS 39.53
Underflow 0
Overflow 0
Integral 46.05 / 13
Skewness 0.000
Kurtosis 0.000
Constant 19.61 ± 9.97
Mean 125.7 ± 0.0
Sigma 39.53 ± 27.4
220
200
180
160
140
120
100
80
60
40
20
0

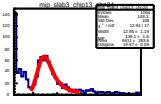


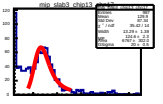

mip slab3 chip13
Entries 1024
Mean 15.18
Std Dev 13.77
χ² / ndf 13.77 / 12
Width 15.18 ± 1.77
Mean 15.18 ± 1.77
MPV 6.964 ± 328.6
Integral 25.7 ± 2.2

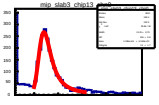

mip slab3 chip13
Entries 1024
Mean 14.61
Std Dev 28.01
χ² / ndf 28.01 / 12
Width 14.61 ± 1.25
Mean 14.61 ± 1.25
MPV 6.964 ± 240.2
Integral 25.7 ± 2.2

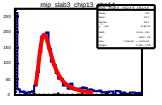

mip slab3 chip13
Entries 1024
Mean 11.94
Std Dev 15.88
χ² / ndf 15.88 / 19
Width 11.94 ± 1.74
Mean 11.94 ± 1.74
MPV 6.964 ± 141.8
Integral 25.7 ± 2.2

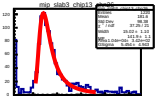

mip slab3 chip13
Entries 1024
Mean 12.62
Std Dev 31.07
χ² / ndf 31.07 / 19
Width 12.62 ± 1.39
Mean 12.62 ± 1.39
MPV 6.964 ± 137.5
Integral 25.7 ± 2.2

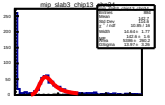

mip slab3 chip13
Entries 1024
Mean 12.94
Std Dev 7.08
χ² / ndf 7.08 / 19
Width 12.94 ± 1.14
Mean 12.94 ± 1.14
MPV 6.964 ± 0.6
Integral 25.7 ± 2.2

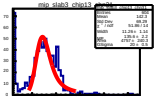

mip slab3 chip13
Entries 1024
Mean 35.42
Std Dev 37.30
χ² / ndf 37.30 / 19
Width 35.42 ± 2.0
Mean 35.42 ± 2.0
MPV 6.964 ± 30.0
Integral 25.7 ± 2.2

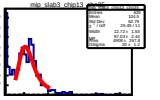

mip slab3 chip13
Entries
Mean
Std Dev
χ² / ndf
Width
Mean
MPV
Integral

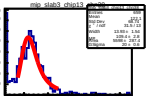

mip slab3 chip13
Entries
Mean
Std Dev
χ² / ndf
Width
Mean
MPV
Integral

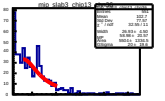

mip slab3 chip13
Entries 1024
Mean 35.42
Std Dev 37.30
χ² / ndf 37.30 / 19
Width 35.42 ± 2.0
Mean 35.42 ± 2.0
MPV 6.964 ± 30.0
Integral 25.7 ± 2.2

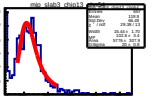

mip slab3 chip13
Entries 1024
Mean 14.61
Std Dev 28.01
χ² / ndf 28.01 / 12
Width 14.61 ± 1.25
Mean 14.61 ± 1.25
MPV 6.964 ± 240.2
Integral 25.7 ± 2.2

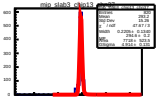

mip slab3 chip13
Entries 1024
Mean 14.22
Std Dev 51.80
χ² / ndf 51.80 / 14
Width 14.22 ± 1.14
Mean 14.22 ± 1.14
MPV 6.964 ± 146.5
Integral 25.7 ± 2.2

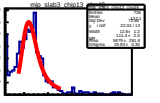

mip slab3 chip13
Entries 1024
Mean 12.73
Std Dev 25.85
χ² / ndf 25.85 / 14
Width 12.73 ± 1.10
Mean 12.73 ± 1.10
MPV 6.964 ± 147.5
Integral 25.7 ± 2.2

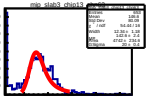

mip slab3 chip13
Entries 1024
Mean 13.93
Std Dev 35.57
χ² / ndf 35.57 / 13
Width 13.93 ± 1.56
Mean 13.93 ± 1.56
MPV 6.964 ± 147.1
Integral 25.7 ± 2.2

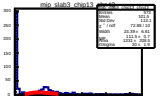

mip slab3 chip13
Entries 1024
Mean 17.07
Std Dev 22.07
χ² / ndf 22.07 / 11
Width 26.93 ± 1.32
Mean 26.93 ± 1.32
MPV 6964 ± 3763.5
Integral 25.7 ± 2.2

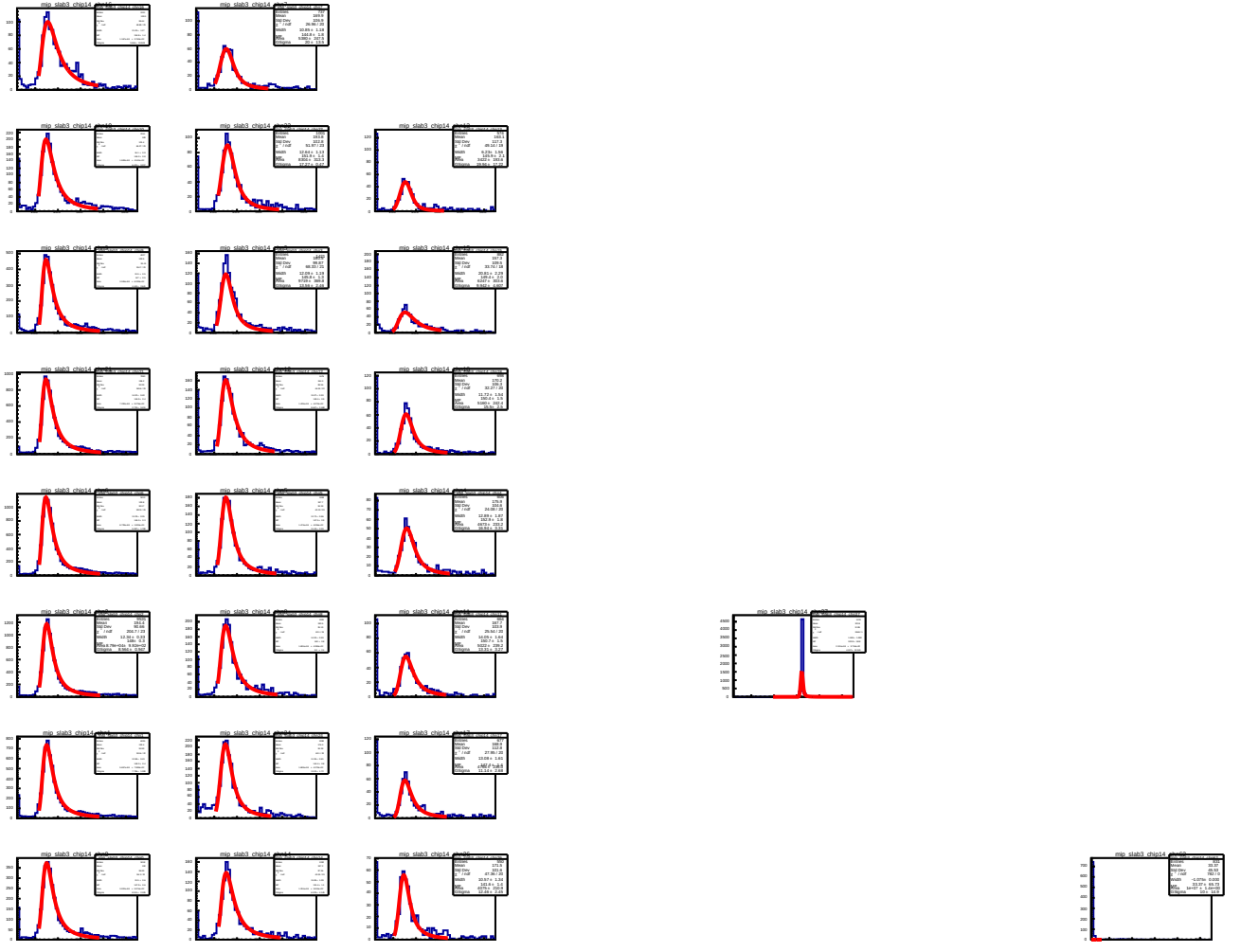

mip slab3 chip13
Entries 1024
Mean 19.68
Std Dev 29.88
χ² / ndf 29.88 / 15
Width 35.24 ± 1.2
Mean 35.24 ± 1.2
MPV 6964 ± 567.0
Integral 25.7 ± 2.2

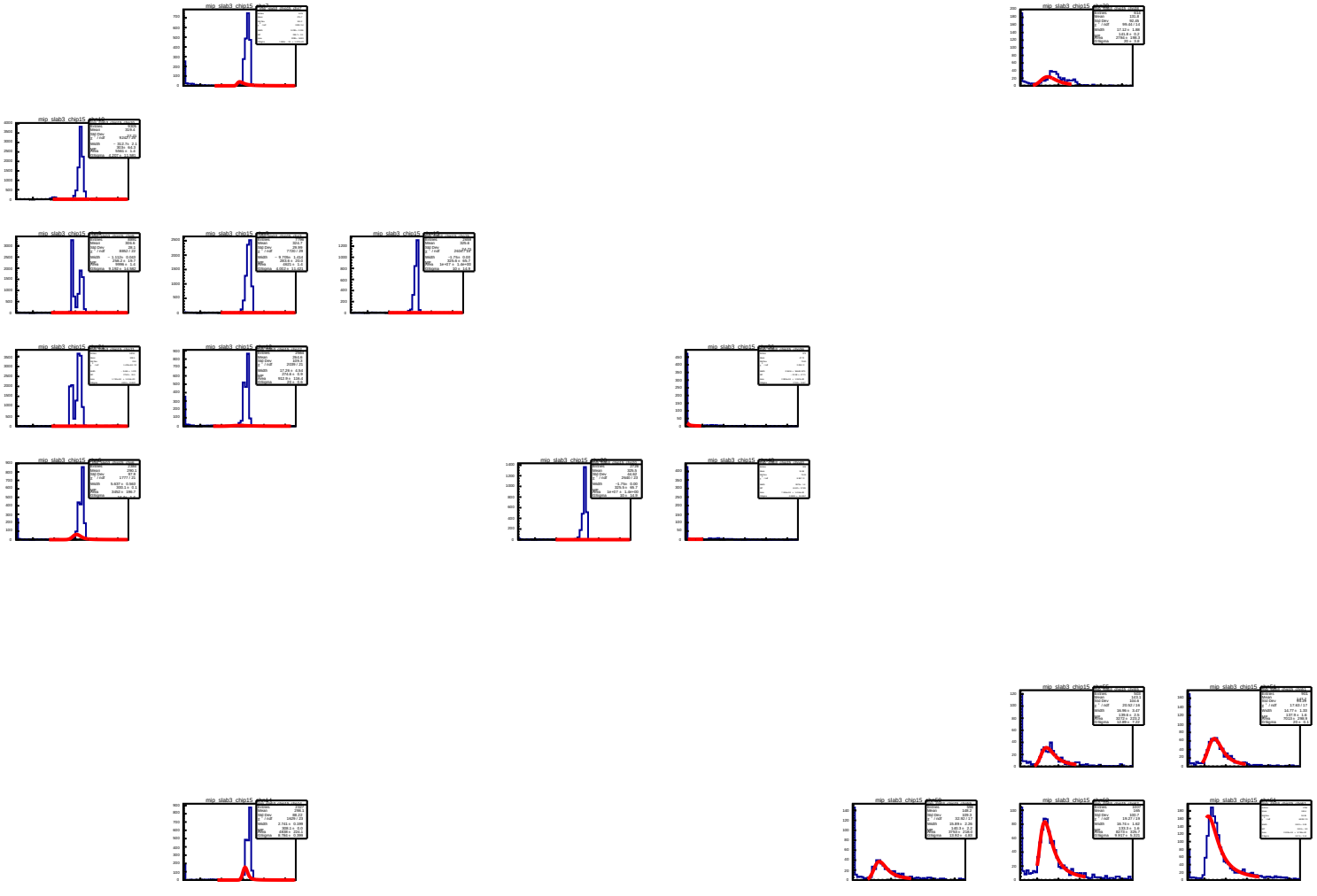

mip slab3 chip13
Entries 1024
Mean 79.2
Std Dev 47.67
χ² / ndf 47.67 / 8
Width 0.2293 ± 0.0160
Mean 79.6 ± 0.2
MPV 6.964 ± 0.0
Integral 2.645 ± 0.03

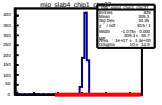

mip slab3 chip13
Entries 1024
Mean 12.91
Std Dev 22.04
χ² / ndf 22.04 / 8
Width 12.91 ± 1.1
Mean 12.91 ± 1.1
MPV 6.964 ± 0.0
Integral 19.61 ± 0.6

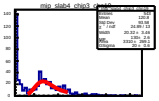

mip slab3 chip13
Entries 1024
Mean 12.91
Std Dev 54.60
χ² / ndf 54.60 / 19
Width 12.91 ± 1.19
Mean 12.91 ± 1.19
MPV 6.964 ± 0.0
Integral 17.62 ± 0.2

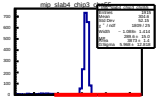

mip slab3 chip13
Entries 1024
Mean 15.11
Std Dev 72.67
χ² / ndf 72.67 / 19
Width 15.11 ± 1.1
Mean 15.11 ± 1.1
MPV 6.964 ± 0.0
Integral 25.7 ± 2.2

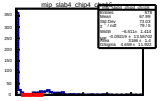


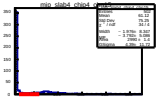


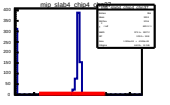

mip_slabd_chip1_ch10
Entries 1000
Mean 0.2779
Std Dev 0.0202
Underflow 0
Overflow 0
Integral 1000
Mean x 0.2779
Std Dev x 0.0202
Integral x 1000
Mean y 64.7477
Std Dev y 27.1
Integral y 1000
400
350
300
250
200
150
100
50
0

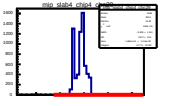

mip slab4 chip3 chan0
Entries 1000
Mean 19.12
Std Dev 10.58
χ² / ndf 24.80 / 13
Const 20.22 ± 3.04
Mean 19.01 ± 0.33
Sigma 10.61 ± 0.23
Integrals 25 ± 2.1
140
120
100
80
60
40
20
0

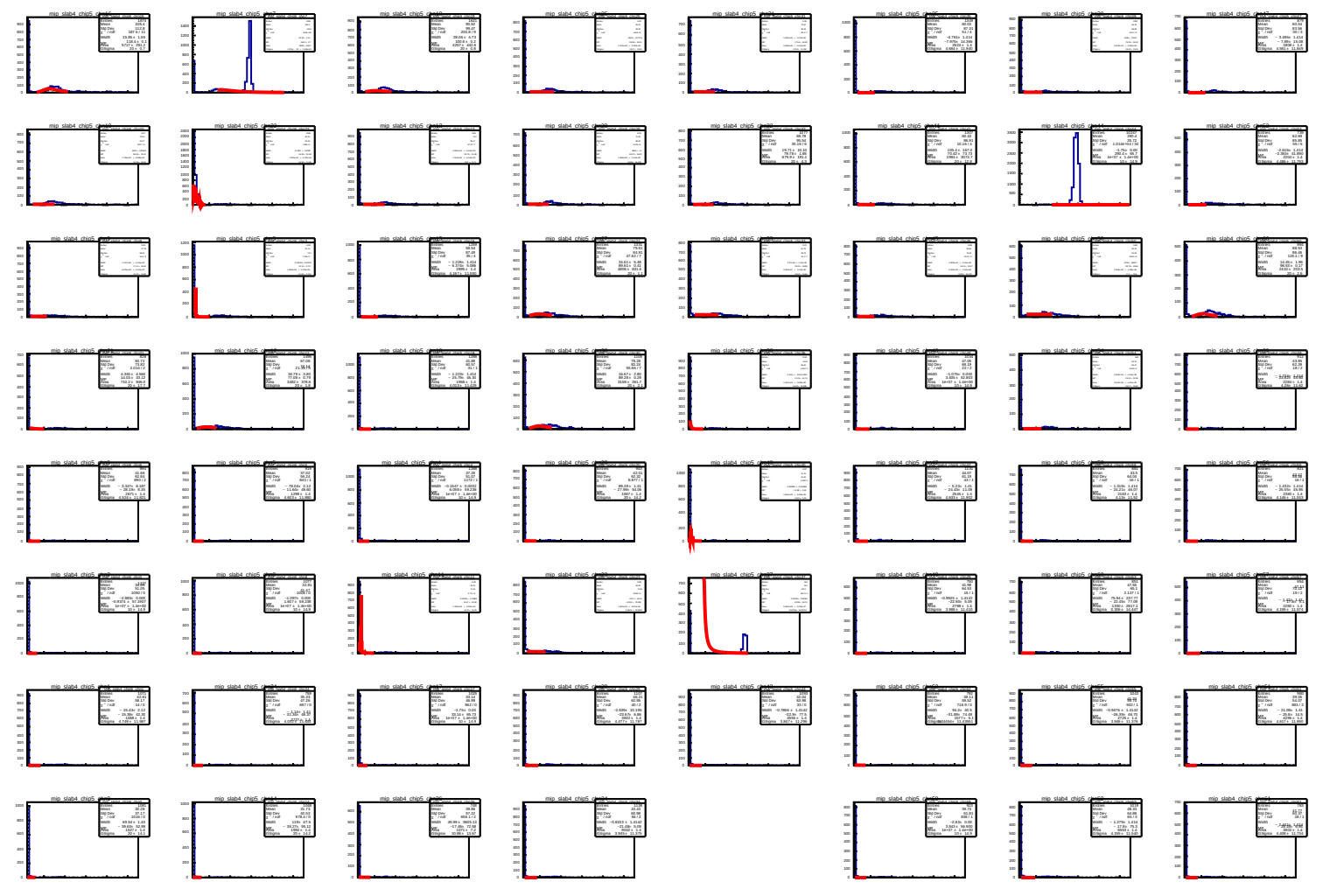

mip slab4 chip3 chan5
Entries 1000
Mean 32.11
Std Dev 52.15
χ² / ndf 1870 / 10
Const 1.350e+ 3.414
Mean 200.61 ± 53.02
Sigma 38.12 ± 2.2
Integrals 0.0007 ± 0.0
700
600
500
400
300
200
100
0

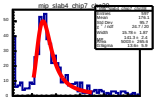

mip_slab4_chip4_ch45
Entries 10 000
Mean 72.02
RMS 79.74
Underflow 0
Overflow 0
Integral 9 999.9
Skewness 4.6997
Kurtosis 21.931

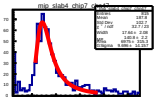

mip_slab4_chip4_ch46
Entries 10 000
Mean 61.22
RMS 73.71
Underflow 0
Overflow 0
Integral 9 999.9
Skewness 4.7996
Kurtosis 21.4

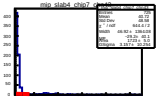

mip_slab4_chip4_ch50
Entries 10 000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 9 999.9
Skewness 0.0000
Kurtosis 0.0000

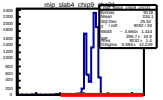

mip_slab4_chip4_ch49
Entries 10 000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 9 999.9
Skewness 0.0000
Kurtosis 0.0000

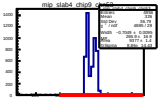


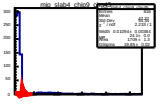

mip slab4 chip7 chan0
Entries 1000
Mean 270.3
Std Dev 95.7
χ² / ndf 24.7 / 20
Width 29.78 ± 1.87
Sigma 0.0 ± 0.0
MPV 60.01 ± 3.05
Integral 1.14e 03 ± 0.0

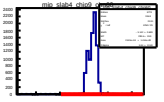

mip slab4 chip7 chan0
Entries 1000
Mean 147.4
Std Dev 102.2
χ² / ndf 32.7 / 25
Width 17.80 ± 2.28
Sigma 0.0 ± 0.0
MPV 60.01 ± 0.0
Integral 9.99e 02 ± 0.0

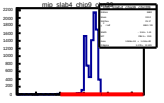

mip slab4 chip7 chan0
Entries 1000
Mean 21.17
Std Dev 18.58
χ² / ndf 84.6 / 18
Width 66.81 ± 104.03
MPV -19.29 ± 40.1
Sigma 1.77e 01 ± 0.0
Integral 3.97e 03 ± 0.0

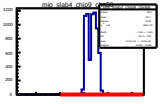

mip_slab4_chip2_ch24

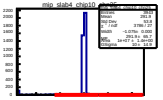

mip_slab4_chip2_ch25


mip_slab4_chip2_ch26


mip_slab4_chip2_ch27


mip_slab4_chip2_ch28


mip_slab4_chip2_ch29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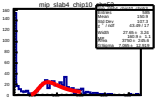
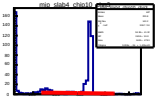

mip_slab4_chip10_chan26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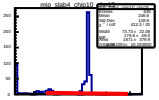
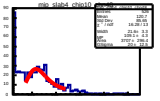

mip_slab4_chip10_chan28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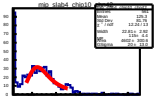
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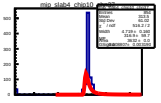
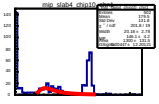
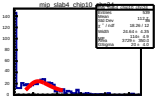
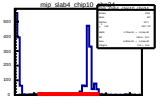
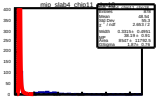
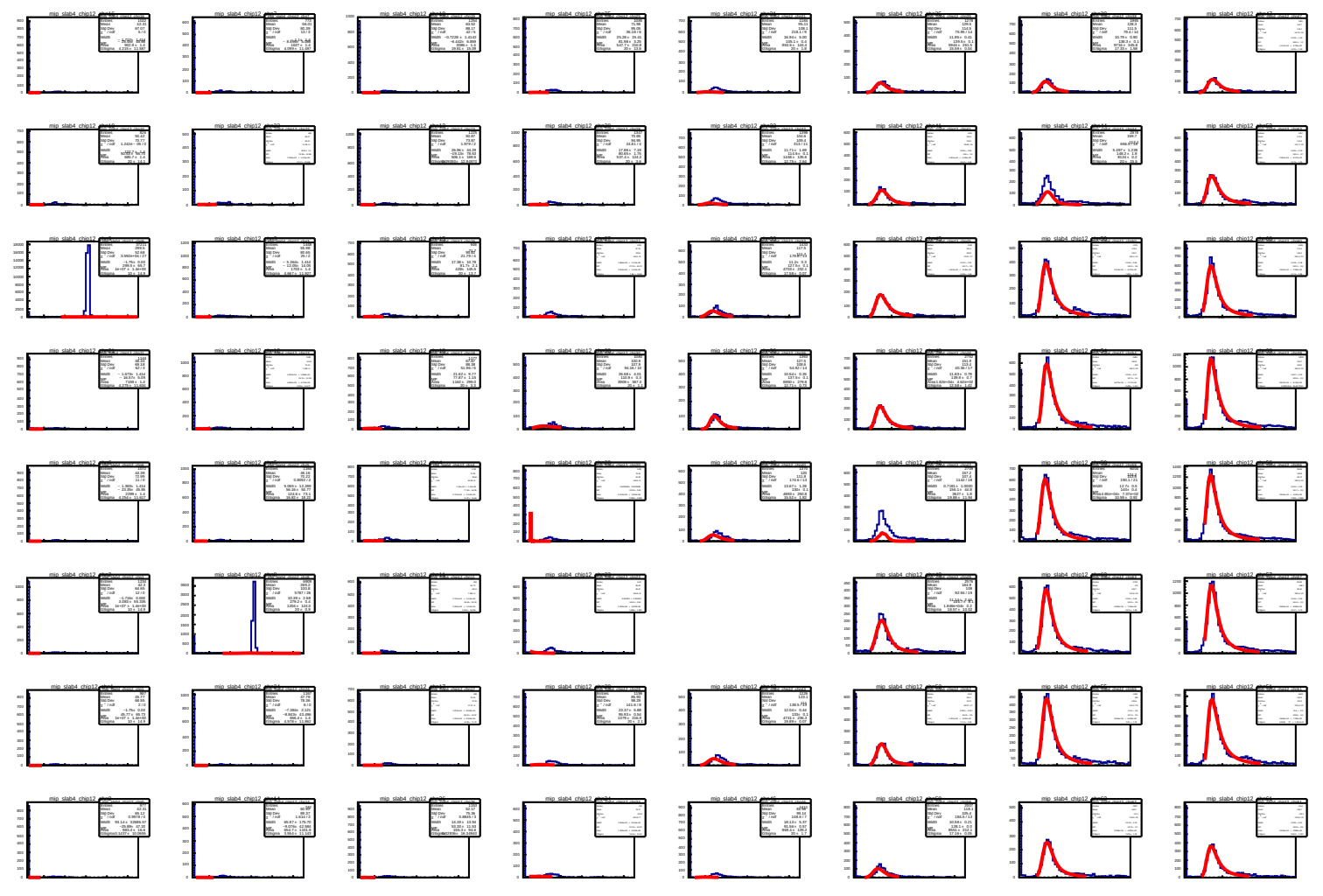

mip_slab4_chip10_chan31

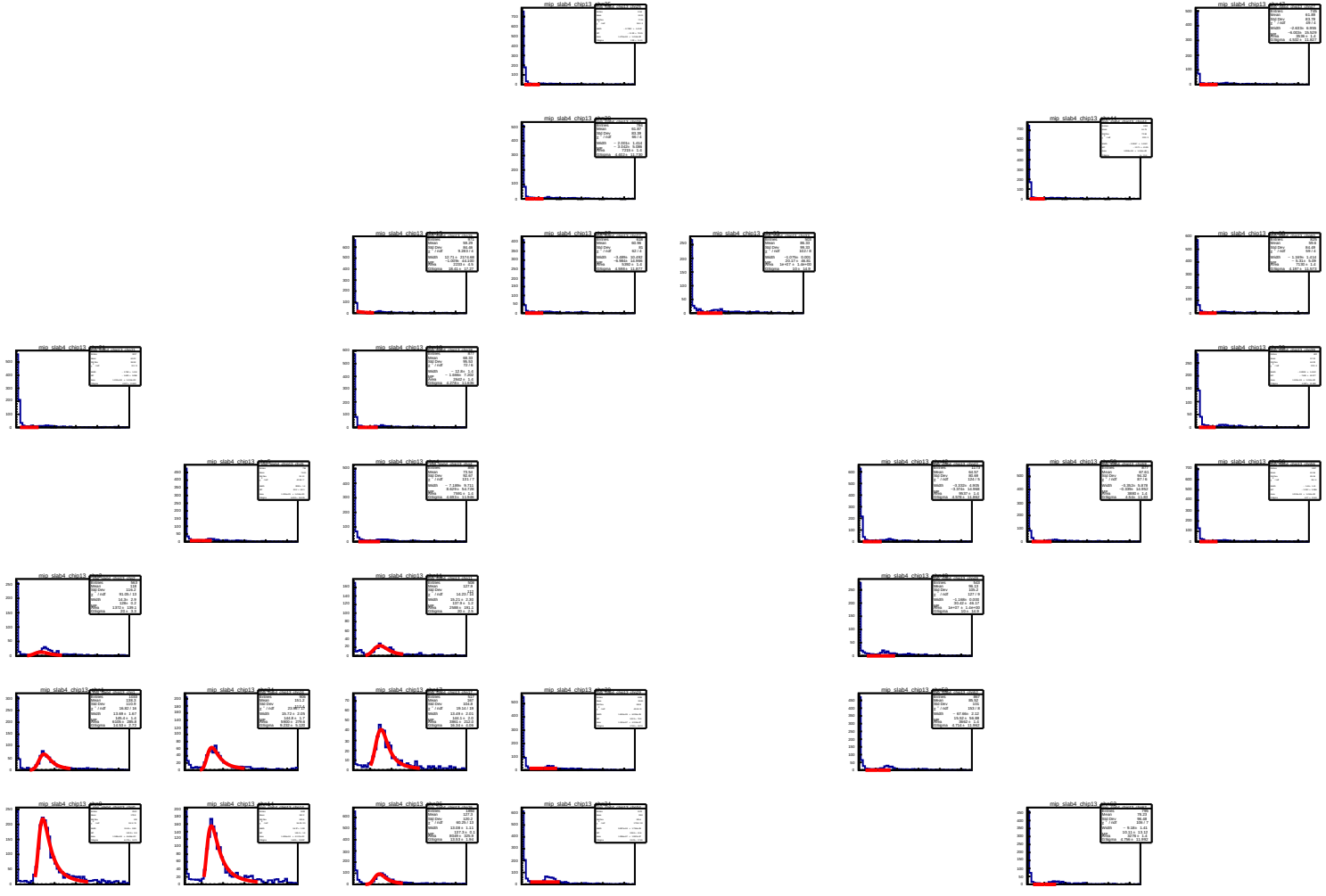

mip_slab4_chip10_chan32

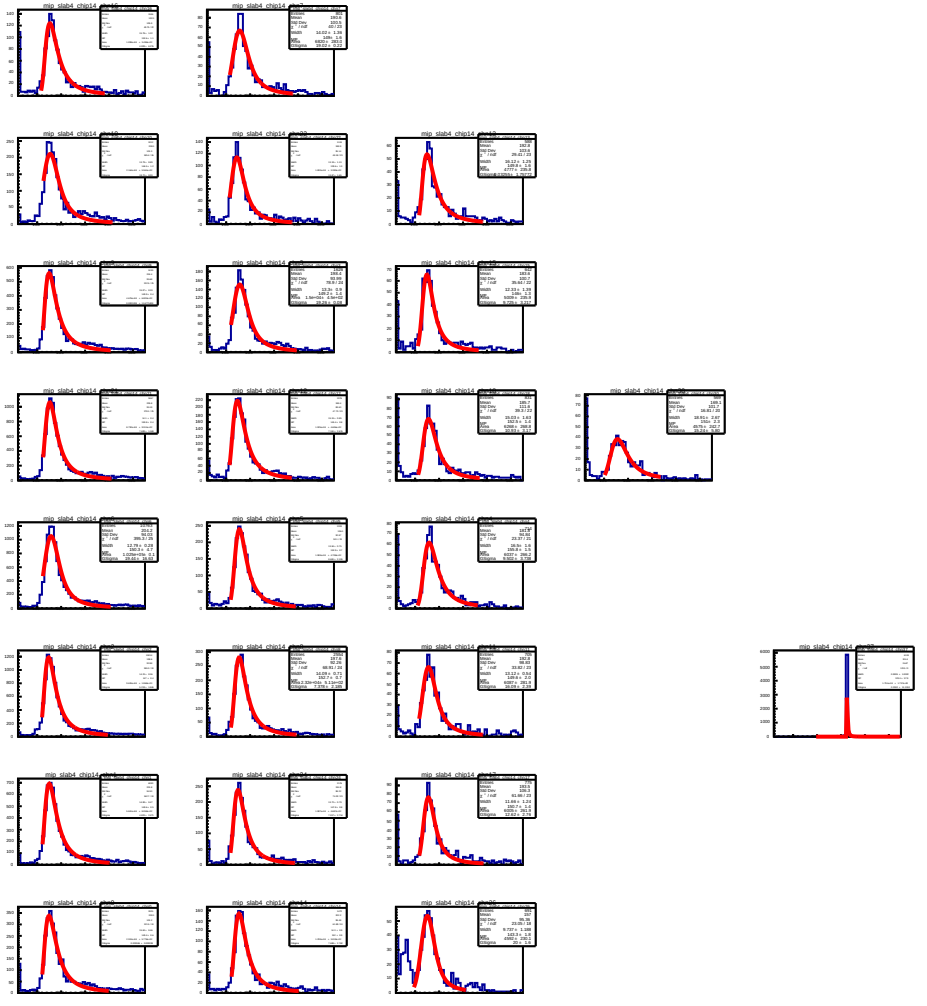

mip_slab4_chip10_chan33

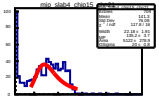

mip_slab4_chip10_chan34

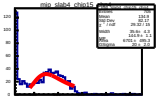

min_dbh4_chi011
Entries 49 361
Mean 49.92
Std Dev 55.2
χ² / ndf 2.4e+03 / 1
Prob 0.0111e-01 ± 0.0992
Width 39.119 ± 0.01
MPV 9947.4 ± 2270.3
Total Area 1.12e+06 ± 0.0
400
350
300
250
200
150
100
50
0

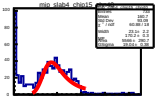


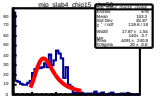


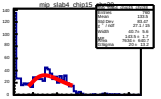

mip slab4 chip14
mip slab4 chip14
mip slab4 chip14

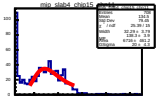

mip slab4 chip15
Entries 141.0
Mean 79.08
Std Dev 127.8 / 39
χ² / ndf 32.16 / 4
width 1.00 ± 5.7
MPV 6.051 ± 0.0
Integral 29.2 ± 0.2

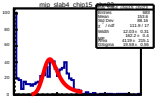

mip slab4 chip15
Entries 103.0
Mean 33.12
Std Dev 22.2
χ² / ndf 29.82 / 16
width 19.91 ± 4.5
MPV 6.051 ± 0.0
Integral 29.2 ± 0.2

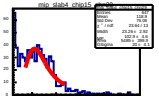

mip slab4 chip15
Entries 167.7
Mean 33.16
Std Dev 22.2
χ² / ndf 60.80 / 19
width 19.91 ± 2.2
MPV 9.000 ± 0.0
Integral 33.0 ± 0.0

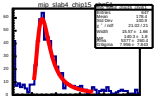

mip slab4 chip15
Entries 103.0
Mean 33.12
Std Dev 22.2
χ² / ndf 139.6 / 18
width 17.87 ± 5.9
MPV 6.051 ± 0.0
Integral 29.2 ± 0.2

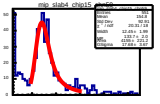

mip slab4 chip15
Entries 167.7
Mean 33.16
Std Dev 22.2
χ² / ndf 27.1 / 16
width 20.31 ± 3.0
MPV 9.000 ± 0.0
Integral 33.0 ± 0.0

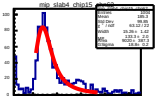

mip slab4 chip15
Entries 141.0
Mean 79.08
Std Dev 127.8 / 39
χ² / ndf 29.39 / 19
width 22.29 ± 3.9
MPV 6.051 ± 0.0
Integral 29.2 ± 0.2

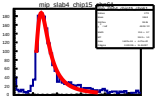

mip slab4 chip15
Entries 167.7
Mean 33.16
Std Dev 22.2
χ² / ndf 111.9 / 17
width 12.23 ± 0.71
MPV 167.2 ± 71.4
Integral 33.0 ± 0.0


mip slab4 chip15
Entries 167.7
Mean 33.16
Std Dev 22.2
χ² / ndf 79.06
width 12.23 ± 1.0
MPV 33.26 ± 2.0
Integral 102.9 ± 0.8
Integral 33.0 ± 0.0


mip slab4 chip15
Entries 167.7
Mean 33.16
Std Dev 22.2
χ² / ndf 130.9 / 17
width 13.27 ± 1.45
MPV 1.027.3 ± 5.6
Integral 33.0 ± 0.0


mip slab4 chip15
Entries 167.7
Mean 33.16
Std Dev 22.2
χ² / ndf 35.72 / 13
width 12.19 ± 1.99
MPV 1.027.3 ± 5.6
Integral 17.8 ± 0.1


mip slab4 chip15
Entries 167.7
Mean 33.16
Std Dev 22.2
χ² / ndf 63.17 / 13
width 15.26 ± 1.42
MPV 1.027.3 ± 5.6
Integral 19.8 ± 0.2


mip slab4 chip15