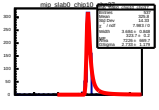
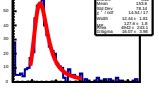
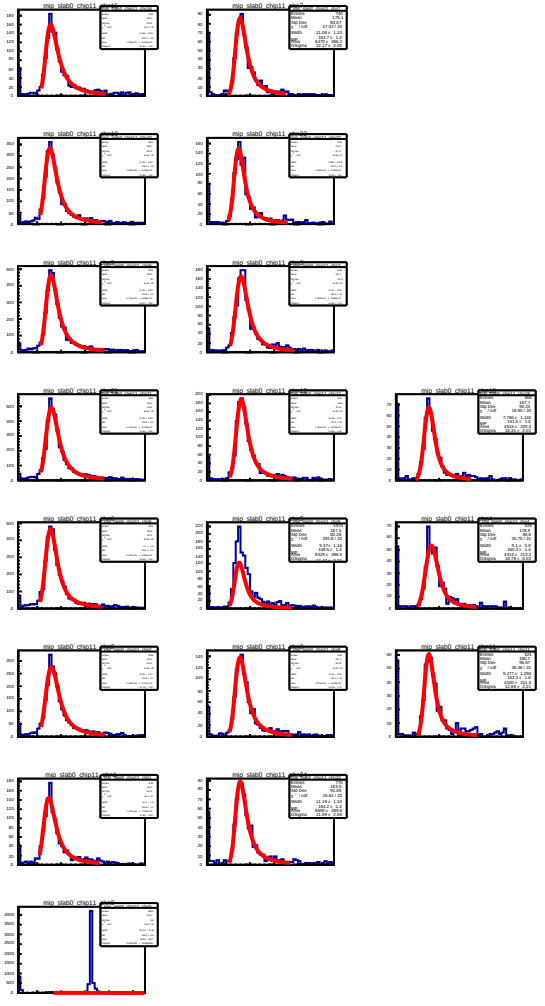

mip_slab0_chip10_chan32
Entries 1000
Mean 325.8
Std Dev 7.663
χ² / ndf 7.663 / 0
Const 0.000 ± 0.000
Mean 329.9 ± 0.2
Sigma 7.663 ± 0.000
Integral 7.663 ± 0.000
300
250
200
150
100
50
0


mip_slab0_chip10_chan36
Entries 1000
Mean 34.13
Std Dev 11.57
χ² / ndf 11.57 / 17
Width 12.00 ± 1.00
Mean 34.13 ± 0.37
Sigma 26.07 ± 0.31
50
45
40
35
30
25
20
15


mip slab0 chip11
mip slab0 chip11
mip slab0 chip11
mip slab0 chip11
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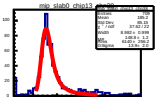
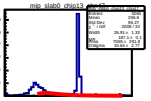
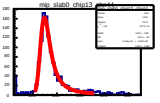
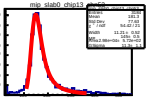
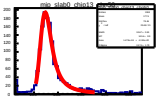
mip slab0 chip11

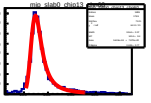

mip slab0 chip13 chan0
Entries 146
Mean 38.15
Std Dev 37.92 ± 2.6
χ² / ndf 17.12
Width 8.502 ± 0.698
MPV 31.07 ± 1.3
Area 4187 ± 246.2
Sigma 11.54 ± 2.2

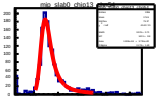

mip slab0 chip13 chan1
Entries 2509
Mean 66.12
Std Dev 2008.7 ± 19
χ² / ndf 2008.7 ± 19
Width 26.90 ± 3.35
MPV 1.000 ± 0.000
Area 5000 ± 24.5
Sigma 33.60 ± 0.0

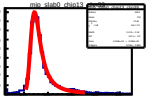

mip slab0 chip13 chan2
Entries 1.e+6
Mean 1.e+6
Std Dev 1.e+6
χ² / ndf 1.e+6
Width 1.e+6
MPV 1.e+6
Area 1.e+6
Sigma 1.e+6

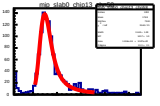

mip slab0 chip13 chan3
Entries 161.3
Mean 51.27 ± 1.1
Std Dev 51.27 ± 1.1
χ² / ndf 11.21 ± 0.32
Width 11.21 ± 0.32
MPV 5.000 ± 0.000
Area 5.000e+06 ± 5.79e+05
Sigma 34.50 ± 0.0

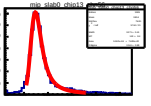

mip slab0 chip13 chan4
Entries 1.e+6
Mean 1.e+6
Std Dev 1.e+6
χ² / ndf 1.e+6
Width 1.e+6
MPV 1.e+6
Area 1.e+6
Sigma 1.e+6

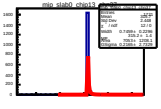

mip slab0 chip13 chan5
Entries 1.e+6
Mean 1.e+6
Std Dev 1.e+6
χ² / ndf 1.e+6
Width 1.e+6
MPV 1.e+6
Area 1.e+6
Sigma 1.e+6

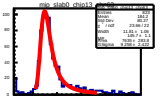

mip slab0 chip13 chan6
Entries 1.e+6
Mean 1.e+6
Std Dev 1.e+6
χ² / ndf 1.e+6
Width 1.e+6
MPV 1.e+6
Area 1.e+6
Sigma 1.e+6

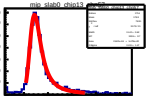

mip slab0 chip13 chan7
Entries 1.e+6
Mean 1.e+6
Std Dev 1.e+6
χ² / ndf 1.e+6
Width 1.e+6
MPV 1.e+6
Area 1.e+6
Sigma 1.e+6

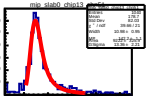

mip slab0 chip13 chan8
Entries 1.e+6
Mean 1.e+6
Std Dev 1.e+6
χ² / ndf 1.e+6
Width 1.e+6
MPV 1.e+6
Area 1.e+6
Sigma 1.e+6

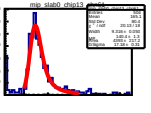

mip slab0 chip13 chan9
Entries 1.e+6
Mean 1.e+6
Std Dev 1.e+6
χ² / ndf 1.e+6
Width 1.e+6
MPV 1.e+6
Area 1.e+6
Sigma 1.e+6

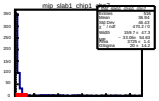

mip slab0 chip13 chan10
Entries 1.e+6
Mean 1.e+6
Std Dev 1.e+6
χ² / ndf 1.e+6
Width 1.e+6
MPV 1.e+6
Area 1.e+6
Sigma 1.e+6

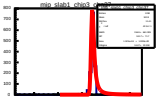

mip slab0 chip13 chan11
Entries 1.e+6
Mean 1.e+6
Std Dev 1.e+6
χ² / ndf 1.e+6
Width 1.e+6
MPV 1.e+6
Area 1.e+6
Sigma 1.e+6

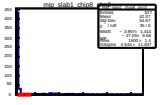

mip slab0 chip13 chan12
Entries 1.e+6
Mean 1.e+6
Std Dev 1.e+6
χ² / ndf 1.e+6
Width 1.e+6
MPV 1.e+6
Area 1.e+6
Sigma 1.e+6

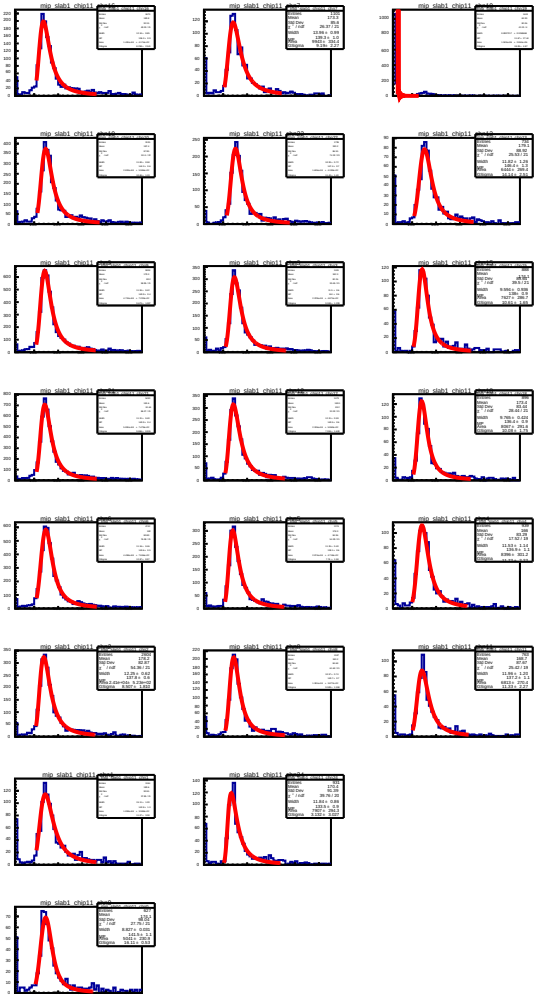

mip slab0 chip13 chan13
Entries 1.e+6
Mean 1.e+6
Std Dev 1.e+6
χ² / ndf 1.e+6
Width 1.e+6
MPV 1.e+6
Area 1.e+6
Sigma 1.e+6

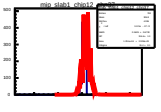

mip slab0 chip13 chan14
Entries 1.e+6
Mean 1.e+6
Std Dev 1.e+6
χ² / ndf 1.e+6
Width 1.e+6
MPV 1.e+6
Area 1.e+6
Sigma 1.e+6

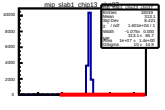

mip slab1 chip1 dmr2 - Error Count - Chip
Entries 1000
Mean 36.52
Std Dev 26.15
χ / ndf 275.2/7
Width 104.7± 10.8
Mean -3.0±0.0
Sigma 2.0± 0.1
Integral 30± 1.0
350
300
250
200
150
100
50
0

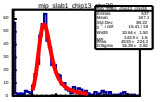

mip_slab1_chip3_ch13
850
750
650
550
450
350
250
150
50
0
Statistics
Mean 0.000
Sigma 0.000
Entries 0
Underflow 0
Overflow 0
Mean 0.000
Sigma 0.000
Minimum 0.000
Maximum 0.000
Integral 0.000

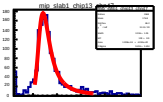

mip_slab1_chip8_chip2
Entries 337
Mean x 22.27
Mean y 56.17
Std Dev x 16.15
Std Dev y 9.64
Underflow 0 0 0
Overflow 0 0 0
450
400
350
300
250
200
150
100
50
0

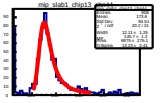


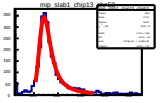

mip_slab1_chip12_strip2
500
400
300
200
100
0
Histogram statistics
Entries 2000
Mean x 0.0
Mean y 2.08
Std Dev x 0.0
Std Dev y 1.01
Underflow 0
Overflow 0
Integral 2000
Skewness x 0.0
Skewness y 0.0
Kurtosis x 0.0
Kurtosis y 0.0

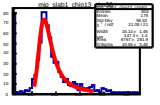

mip slab1 chip13 chan32
Entries 2000
Mean 2.111
Std Dev 0.114
χ² / ndf 1.603e+04 / 1
Width 0.2776 ± 0.000
Sigma 13.3 ± 66.7
MPV 54.07 ± 0.000
Integral 47.1 ± 11.8

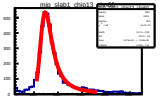

mip slab1 chip13 chan33
Entries 2000
Mean 2.111
Std Dev 0.114
χ² / ndf 15.31 / 19
Width 33.66 ± 1.00
Sigma 1.000 ± 0.000
MPV 43.01 ± 0.0
Integral 34.94 ± 0.0

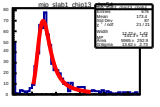

mip slab1 chip13 chan34
Entries 2000
Mean 2.111
Std Dev 0.114
χ² / ndf 21.07 / 22
Width 12.11 ± 1.20
Sigma 1.000 ± 0.000
MPV 68.76 ± 2.71
Integral 14.51 ± 1.0

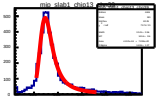

mip slab1 chip13 chan35
Entries 2000
Mean 170.0
Std Dev 0.114
χ² / ndf 20.77 / 22
Width 12.11 ± 1.20
Sigma 1.000 ± 0.000
MPV 68.76 ± 2.71
Integral 14.51 ± 1.0

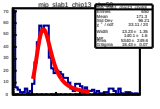

mip slab1 chip13 chan36
Entries 2000
Mean 170.0
Std Dev 0.114
χ² / ndf 21.07 / 22
Width 12.11 ± 1.20
Sigma 1.000 ± 0.000
MPV 68.76 ± 2.71
Integral 14.51 ± 1.0

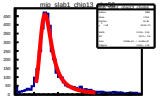

mip slab1 chip13 chan37
Entries 2000
Mean 170
Std Dev 0.114
χ² / ndf 21.07 / 22
Width 15.14 ± 1.20
Sigma 1.000 ± 0.000
MPV 68.76 ± 2.71
Integral 14.51 ± 1.0

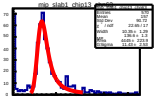

mip slab1 chip13 chan38
Entries 2000
Mean 170
Std Dev 0.114
χ² / ndf 21.07 / 22
Width 12.11 ± 1.20
Sigma 1.000 ± 0.000
MPV 68.76 ± 2.71
Integral 14.51 ± 1.0

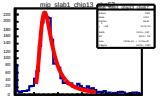

mip slab1 chip13 chan39
Entries 2000
Mean 170.0
Std Dev 0.114
χ² / ndf 21.21 / 21
Width 12.11 ± 1.20
Sigma 1.000 ± 0.000
MPV 68.76 ± 2.71
Integral 14.51 ± 1.0

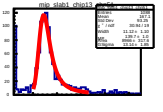

mip slab1 chip13 chan40
Entries 2000
Mean 170.0
Std Dev 0.114
χ² / ndf 21.21 / 21
Width 12.11 ± 1.20
Sigma 1.000 ± 0.000
MPV 68.76 ± 2.71
Integral 14.51 ± 1.0

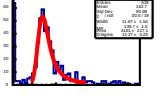

mip slab1 chip13 chan41
Entries 2000
Mean 170.0
Std Dev 0.114
χ² / ndf 33.11 / 20
Width 12.11 ± 1.20
Sigma 1.000 ± 0.000
MPV 68.76 ± 2.71
Integral 14.51 ± 1.0

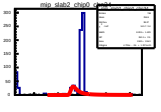

mip slab1 chip13 chan42
Entries 2000
Mean 170.0
Std Dev 0.114
χ² / ndf 21.07 / 22
Width 12.11 ± 1.20
Sigma 1.000 ± 0.000
MPV 68.76 ± 2.71
Integral 14.51 ± 1.0

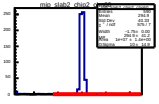

mip slab1 chip13 chan43
Entries 2000
Mean 170.0
Std Dev 0.114
χ² / ndf 22.66 / 17
Width 33.39 ± 1.19
Sigma 1.000 ± 1.0
MPV 43.01 ± 0.0
Integral 34.94 ± 0.0

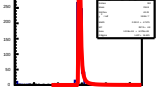

mip slab1 chip13 chan44
Entries 2000
Mean 170.0
Std Dev 0.114
χ² / ndf 21.07 / 22
Width 12.11 ± 1.20
Sigma 1.000 ± 0.000
MPV 68.76 ± 2.71
Integral 14.51 ± 1.0

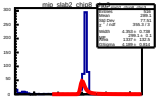

mip slab1 chip13 chan45
Entries 2000
Mean 170.0
Std Dev 0.114
χ² / ndf 21.07 / 22
Width 12.11 ± 1.20
Sigma 1.000 ± 0.000
MPV 68.76 ± 2.71
Integral 14.51 ± 1.0

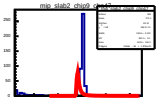

mip slab1 chip13 chan46
Entries 2000
Mean 170.0
Std Dev 0.114
χ² / ndf 30.51 / 19
Width 11.87 ± 1.16
Sigma 1.000 ± 0.000
MPV 43.01 ± 0.0
Integral 32.77 ± 0.0

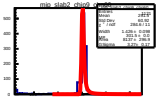

mip_slab2_chan0_cluster3
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 1000.0
Skewness 0.0
Kurtosis 0.0
Mean x 0.0
RMS x 0.0
Mean y 0.0
RMS y 0.0
Corr xy 0.0
Mean z 0.0
RMS z 0.0
Corr xz 0.0
Corr yz 0.0
280
240
200
160
120
80
40
0

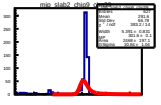

mip stab2 chip2 chan0
Entries 2918
Mean 2918
Std Dev 6577
Underflow 0
Overflow 0
Width -1.7ns 0.0ns
Min -2.7ns 0.0ns
Max 1.0ns 0.0ns
Integral 2.6e+03
250
200
150
100
50
0

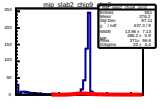

mip stab2 chip2 chan0
Entries 2918
Mean 2918
Std Dev 2918
Underflow 0
Overflow 0
Width 2.0ns 0.0ns
Min 2.0ns 0.0ns
Max 2.0ns 0.0ns
Integral 2.9e+03
250
200
150
100
50
0

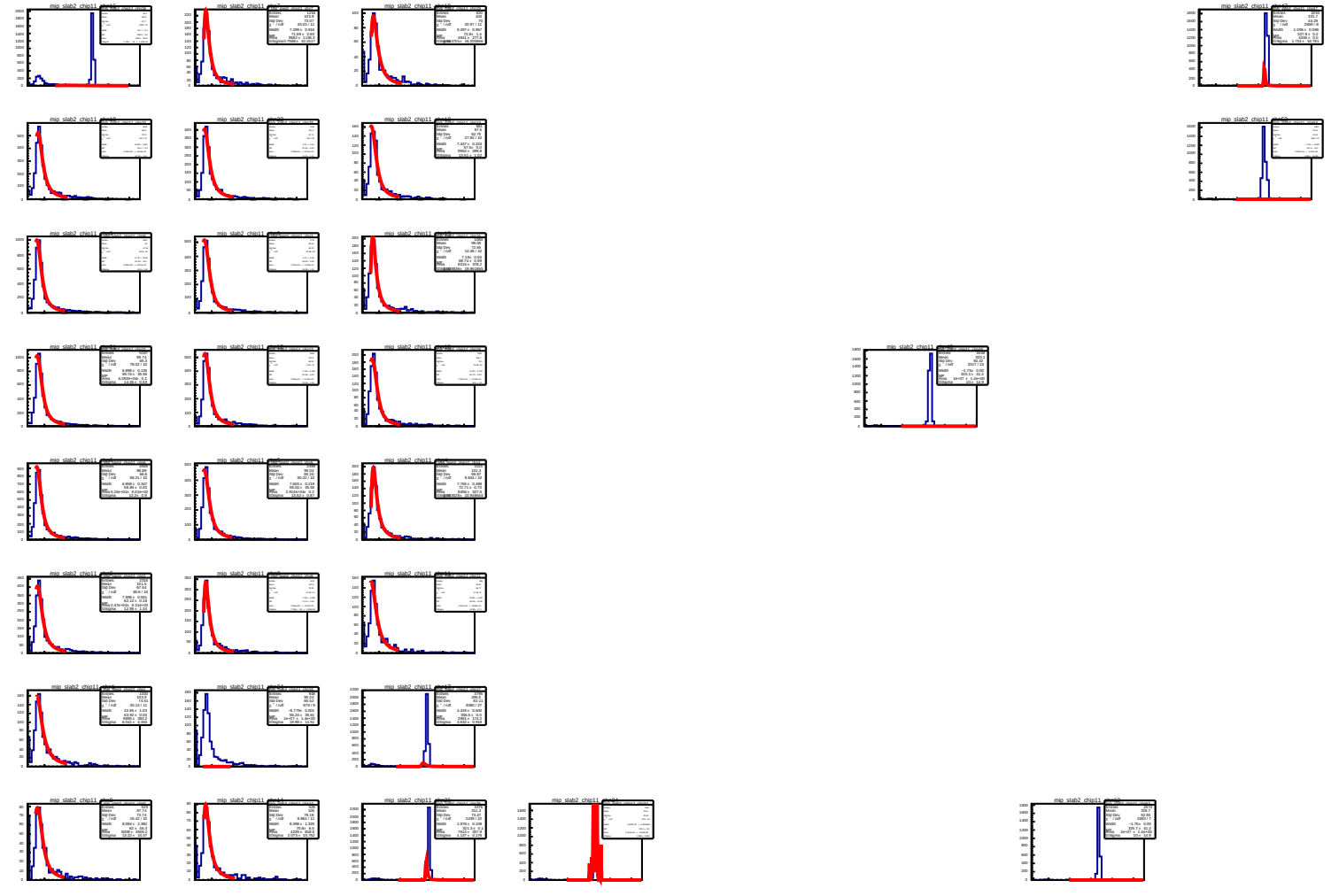

min_stab2_chi2d
Histogram: min_stab2_chi2d
Entries 2985
Mean 2.4
Std Dev 316.2
Underflow 316.2 0.0
Overflow 0.0 0.0
Integral 2985.0
Skewness 2.6972 ± 0.0913
300
250
200
150
100
50
0

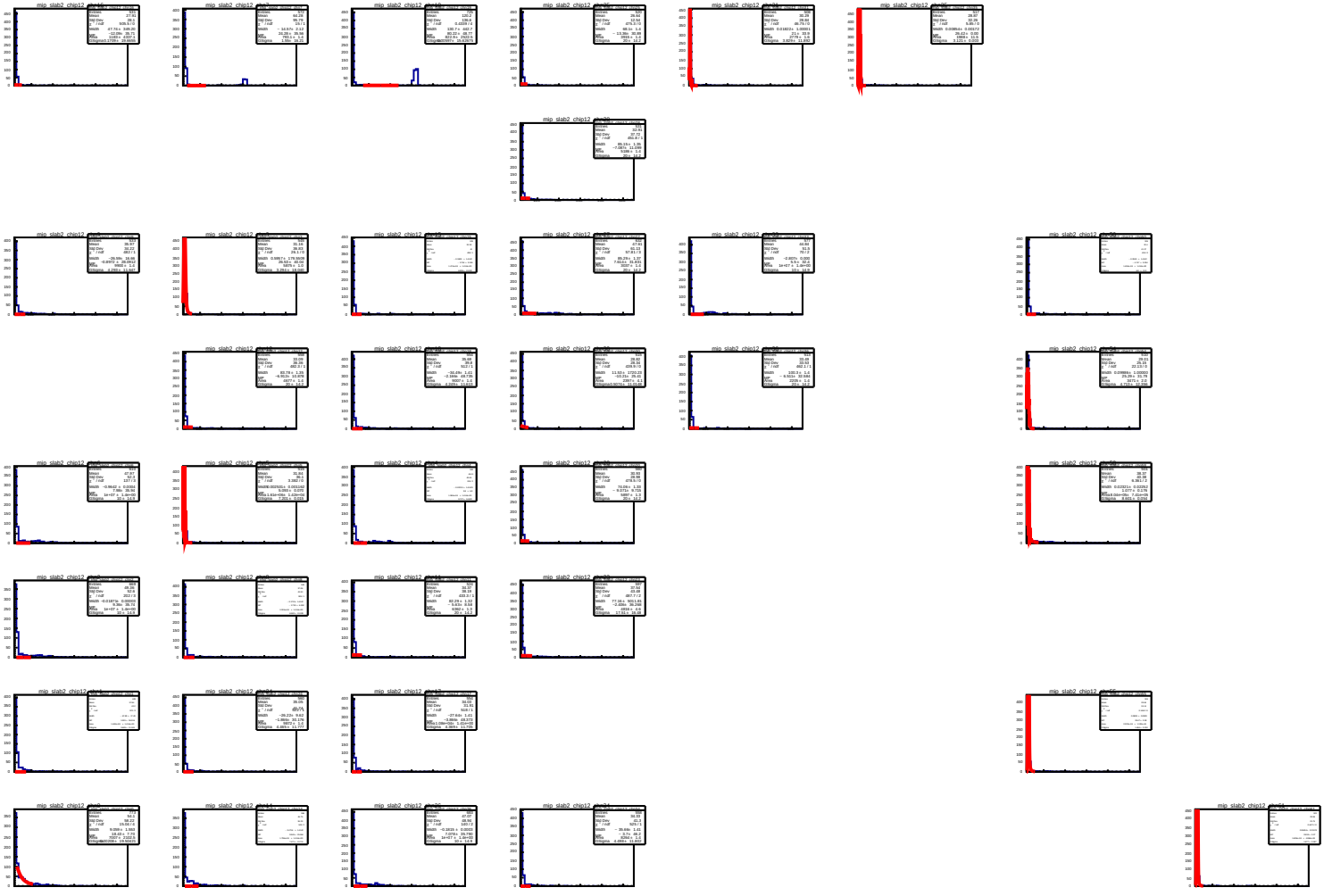

mip_slab2_chip0_chan0
Entries 1000
Mean 1.1
Std Dev 0.7
χ² / ndf 32.2 / 15
Width 1.436 ± 0.056
MPV 0.9 ± 0.1
Area 0.1 ± 0.1
Sigma 0.1 ± 0.1

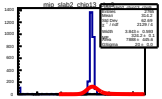

mip_slab2_chip0_chan5
Entries 1000
Mean 2.07
Std Dev 0.7
χ² / ndf 33.9 / 15
Width 1.436 ± 0.056
MPV 0.9 ± 0.1
Area 0.1 ± 0.1
Sigma 0.1 ± 0.1

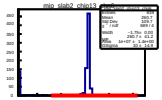

mip_slab2_chip0_chan6
Entries 1000
Mean 2.61
Std Dev 0.8
χ² / ndf 65.1 / 15
Width 5.393 ± 2.410
MPV 0.3 ± 0.1
Area 2.04e+ 147.3
Sigma 0.1 ± 0.1

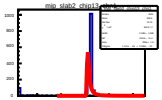

mip_slab2_chip0_chan7
Entries 1000
Mean 1.1
Std Dev 0.7
χ² / ndf 630.3 / 19
Width 13.96 ± 7.13
MPV 286.2 ± 0.8
Area 1.4e+ 4.4
Sigma 0.1 ± 0.1

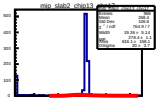





mip slab2 chip13


mip slab2 chip13


mip slab2 chip13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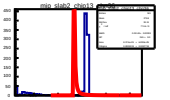
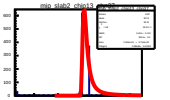

mip slab2 chip13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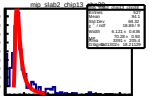
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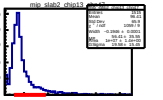
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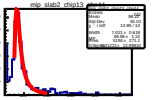
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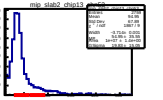
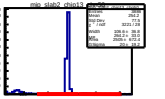
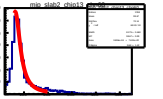

mip slab2 chip13


mip slab2 chip13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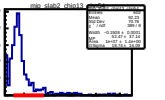
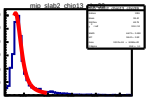
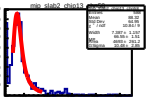

mip slab2 chip13


mip slab2 chip13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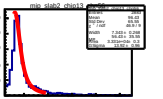
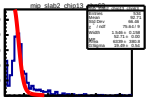
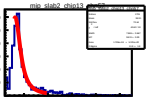
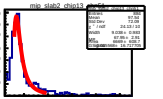
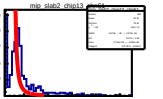
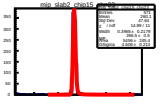

mip slab2 chip13

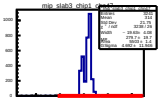

mip slab2 chip13

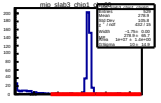

mip slab2 chip13

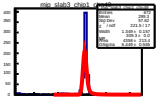

mip slab2 chip13

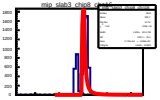

mip slab2 chip13

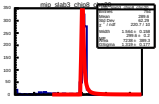

mip_slab2_chip15_ch13
Entries 1000
Mean 2.011
Std Dev 0.0214
χ² / ndf 16.80 / 16
Width 0.3960 ± 0.2175
MPV 294.0 ± 75.4
Area 1000 ± 0.0
Sigma 0.0201 ± 0.011
350
300
250
200
150
100
50
0

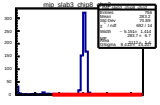

mip_slab3_chip1_chan5
Entries 3214
Mean 3.4
Std Dev 21.75
χ² / ndf 3230 / 19
Width 0.935± 0.038
Mean 2.9± 3.4
Sigma 0.442 ± 21.8

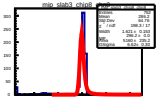

mip_slab3_chip1_chan5
Entries 3214
Mean 276.9
Std Dev 22.71
χ² / ndf 2227 / 6
Width -1.76± 0.20
Mean 276.9 ± 0.4
Sigma 0.407 ± 22.4

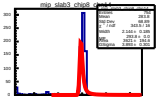

mip_slab3_chip1_chan5
Entries 3214
Mean 223.9
Std Dev 2.17
χ² / ndf 223.5 / 17
Width 1.169± 0.157
Mean 199.3 ± 11.6
Sigma 4.287 ± 2.166

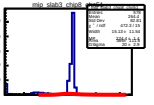

mip_slab3_chip8_chan5
Entries 1024
Mean 0.0
Std Dev 32.0
χ² / ndf 1.0e+06
Width 1.0e+01 ± 1.0e+01
Mpv 0.0 ± 0.0
Integral 1.0e+06 ± 1.0e+06

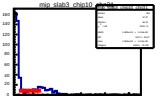

mip_slab3_chip8_chan5
Entries 1024
Mean 200.0
Std Dev 32.0
χ² / ndf 220.7 / 16
Width 1.564 ± 0.376
1.564 ± 0.376
Mpv 200.0 ± 39.2
Integral 1.024 ± 0.024

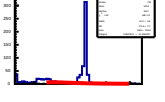

mip_slab3_chip8_chan5
Entries 1024
Mean 0.0
Std Dev 32.0
χ² / ndf 602.14
Width 5.191e+ 1.414
203.2 ± 6.7
Mpv 0.0 ± 0.0
Integral 4.e+06 ± 4.e+06

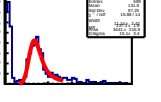

mip_slab3_chip8_chan5
Entries 1024
Mean 200.0
Std Dev 32.0
χ² / ndf 198.31 / 17
Width 1.621 ± 0.331
198.2 ± 5.2
Mpv 200.0 ± 39.2
Integral 1.024 ± 0.024

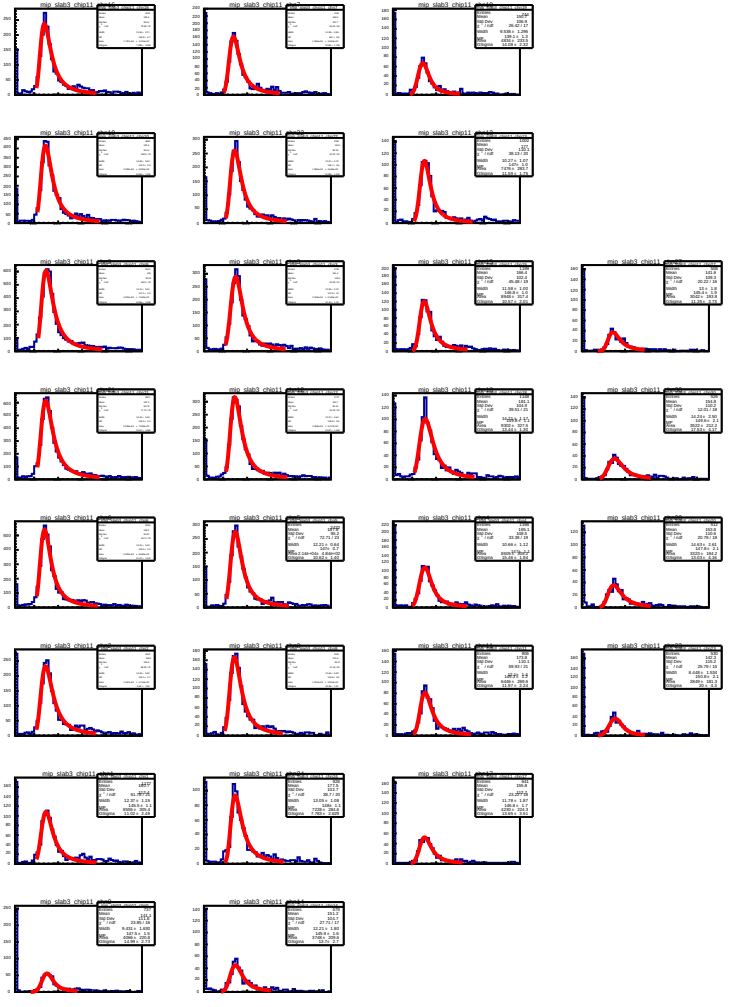

mip_slab3_chip8_chan5
Entries 1024
Mean 200.0
Std Dev 32.0
χ² / ndf 313.72 / 15
Width 2.144 ± 0.305
2.144 ± 0.305
Mpv 200.0 ± 39.2
Integral 2.992e+ ± 0.0

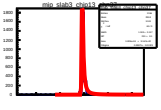

mip_slab3_chip8_chan5
Entries 1024
Mean 0.0
Std Dev 32.0
χ² / ndf 1.0e+06
Width 1.0e+01 ± 1.0e+01
Mpv 0.0 ± 0.0
Integral 1.0e+06 ± 1.0e+06

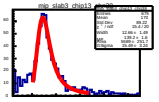

mip_slab3_chip10_det34
Entries 1
Mean 0.0
RMS 0.0
Underflow 0 (0.0%)
Overflow 0 (0.0%)
Integral 1 (100.0%)
160
140
120
100
80
60
40
20
0

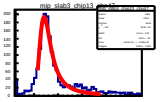

mip_slab3_chip10_det34
Entries 1
Mean 0.0
RMS 0.0
Underflow 0 (0.0%)
Overflow 0 (0.0%)
Integral 1 (100.0%)
300
250
200
150
100
50
0

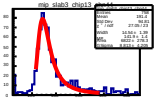

mip_slab3_chip10_det34
Entries 1
Mean 0.0
RMS 0.0
Underflow 0 (0.0%)
Overflow 0 (0.0%)
Integral 1 (100.0%)
Width
Mean
Sigma
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5

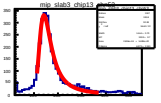


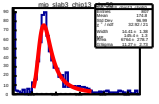

mip slab3 chip13 chan32

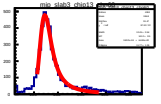

mip slab3 chip13 chan0

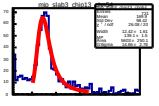

mip slab3 chip13 chan1

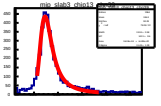

mip slab3 chip13 chan2

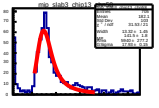

mip slab3 chip13 chan3

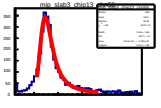

mip slab3 chip13 chan4

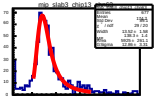

mip slab3 chip13 chan5

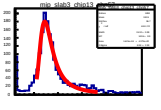

mip slab3 chip13 chan6

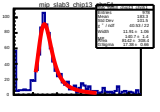

mip slab3 chip13 chan7

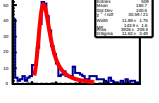

mip slab3 chip13 chan8

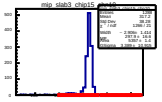

mip slab3 chip13 chan9

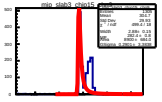

mip slab3 chip13 chan10

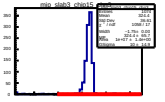

mip slab3 chip13 chan11

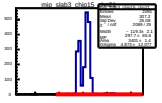

mip slab3 chip13 chan12

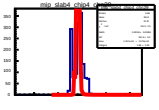

mip slab3 chip13 chan13

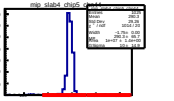

msp slab3 chip15
Entries 1000
Mean 317.2
Std Dev 29.08
χ² / ndf 1380 / 15
Width - 2.909± 1.414
Mean 317.1 ± 0.9
Amp 1187 ± 3.2
Sigma 2.909 ± 0.909

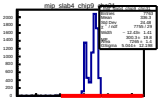

msp slab3 chip15
Entries 1000
Mean 314.7
Std Dev 29.08
χ² / ndf 499.21 / 16
Width 2.899± 0.19
Mean 314.4 ± 0.8
Amp 1000.4 ± 3.2
Sigma 2.9000 ± 0.0000

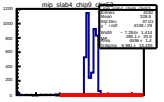

msp slab3 chip15
Entries 1000
Mean 314.4
Std Dev 29.08
χ² / ndf 1200/7.5
Width -1.79e- 0.02
Mean 314.4 ± 0.0
Amp 1047.2 ± 1.4
Sigma 2.9000 ± 0.0000

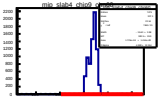

msp slab3 chip15
Entries 1000
Mean 317.2
Std Dev 29.08
χ² / ndf 2100/20.3
Width - 1519.3
Mean 217.7 ± 10.0
Amp 3400 ± 1.0
Sigma 1.5171 ± 0.0000

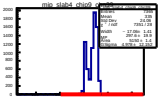


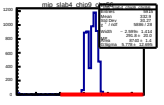

mip slab4 chip5 chan4
Entries 2024
Mean 29.23
Std Dev 1.000
χ / ndf 1023 / 19
p0 0.75± 0.00
Mean 29.00 ± 0.00
Sigma 1e+07 ± 1.1e+02
Chi2/ndf 53.84 / 6
350
300
250
200
150
100
50
0

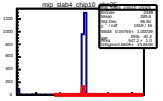

mip_slab4_chip2_ch24
Entries 2000
Mean 1.000
Std Dev 26.48
χ / ndf 7731 / 19
Mean 32.03 ± 1.45
Sigma 1.000 ± 0.000
MPV 7.000 ± 0.0
Sigma 9.000 ± 2.00

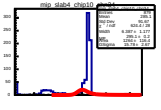

mip_slab4_chip2_ch25
Entries 2000
Mean 1.000
Std Dev 316.8
χ / ndf 4108 / 23
Mean − 7.06e+ 1.414
Sigma 1.000 ± 0.0
MPV 28.84 ± 0.0
Sigma 9.981 ± 0.0

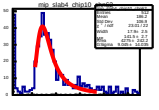

mip_slab4_chip2_ch26

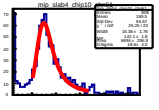

mip_slab4_chip2_ch27
Entries 2000
Mean 1.000
Std Dev 26.48
χ / ndf 7731 / 19
Mean − 17.00 ± 1.41
Sigma 1.000 ± 0.0
MPV 5000 ± 0.0
Sigma 1.414 ± 0.0

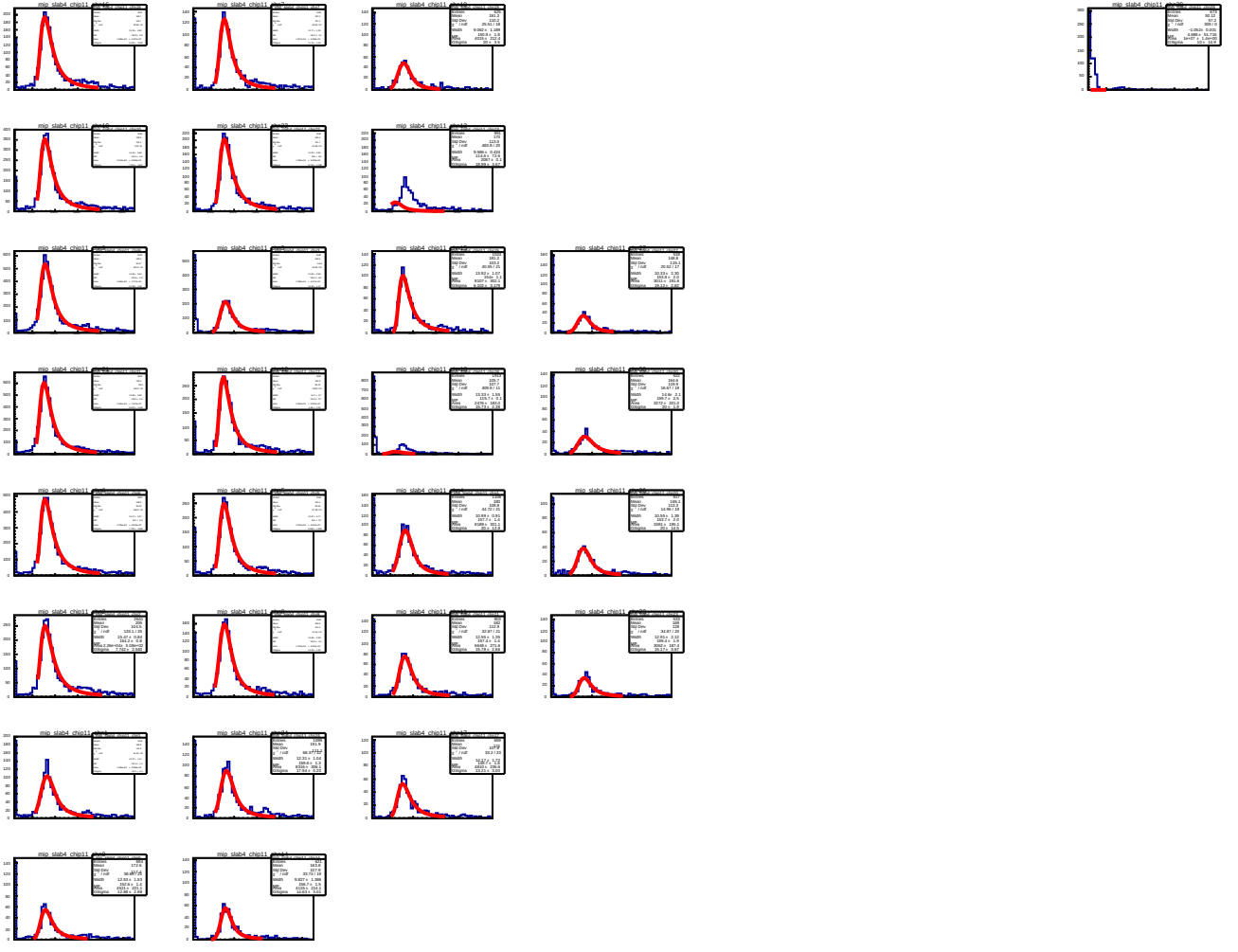

mip_slab4_chip2_ch28
Entries 2000
Mean 1.000
Std Dev 316.8
χ / ndf 5666 / 23
Mean − 2.98e+ 1.414
Sigma 1.000 ± 0.0
MPV 40.00 ± 0.0
Sigma 1.414 ± 0.0

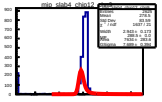

mip slab4 chip10 ped35
Entries 2000
Mean 28.12
Std Dev 56.91
χ² / ndf 2009 / 19
Width 0.0000e+0 ± 0.0000e+0
MPV 0.0 ± 0.0
Area 527.2 ± 3.5
Sigma(Gauss) 0.0 ± 0.0

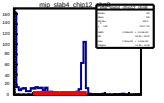

mip slab4 chip10 ped35
Entries 2000
Mean 28.12
Std Dev 56.91
χ² / ndf 624.8 / 19
Width 8.287e+ 1.372
MPV 1.261e+ 1.0e-1
Area 1261e+ 1.0e-1
Sigma 15.76e+ 1.0

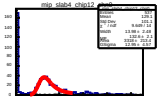
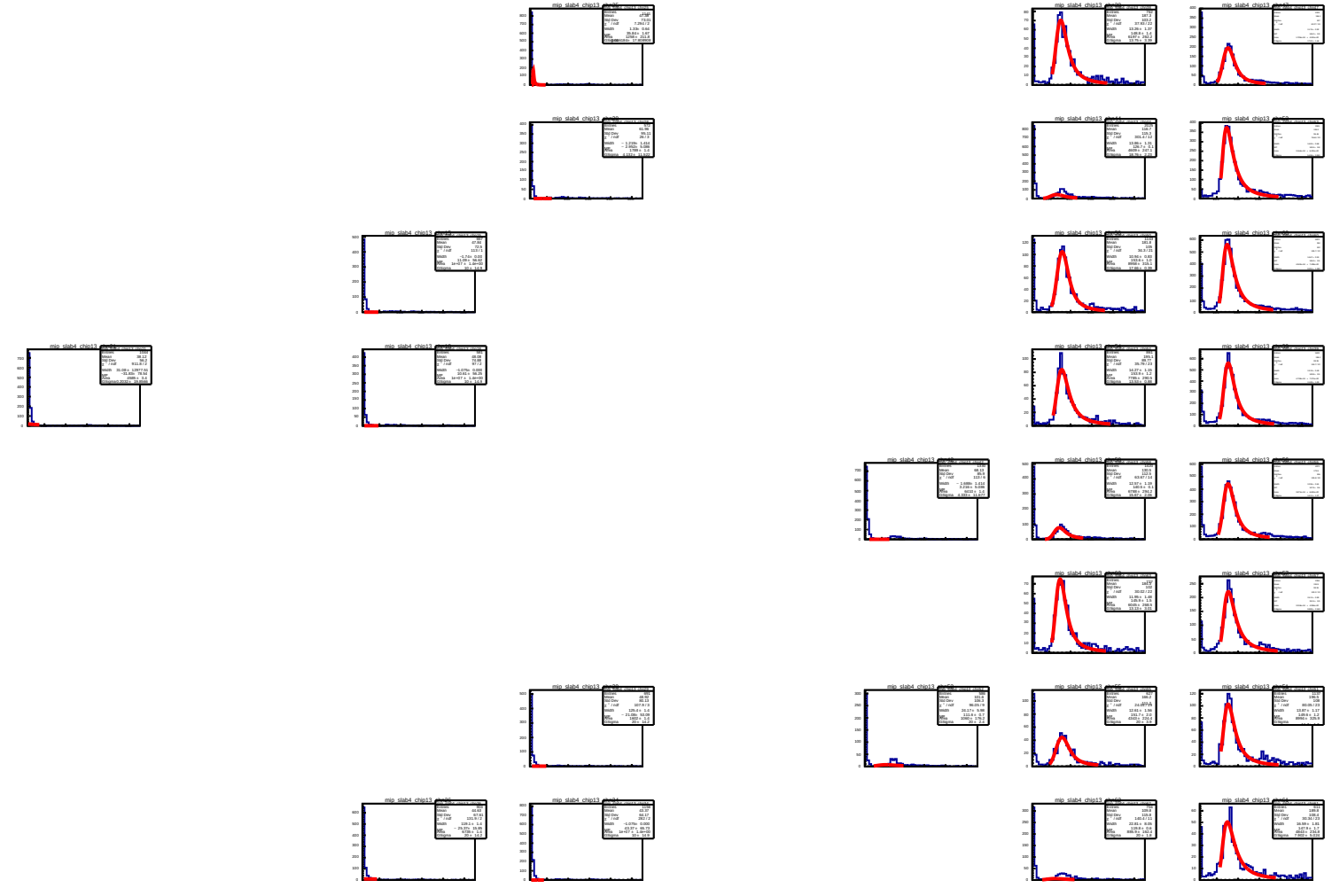

mip slab4 chip10 ped35
Entries 2000
Mean 28.12
Std Dev 380.0
χ² / ndf 23.67 / 13
Width 17.9e+ 2.6
MPV 4.776e+ 3.0e-1
Area 4776e+ 3.0e-1
Sigma 8.58e+ 0.2e-1


mip slab4 chip10 ped35
Entries 2000
Mean 28.12
Std Dev 54.12
χ² / ndf 16.29 / 13
Width 16.98e+ 1.7e
MPV 6.667e+ 2.0e-1
Area 6667e+ 2.0e-1
Sigma 15.4e+ 0.1




mip slab4 chip12 chan
Entries 7000
Mean 275.5
Std Dev 17.11
χ² / ndf 1027 / 22
Width 2.9161 ± 0.172
Peak 2896.9 ± 9.0
Area 7000 ± 26.4
Integral 7000 ± 26.4


mip slab4 chip12 chan


mip slab4 chip12 chan
Entries 7000
Mean 125.1
Std Dev 12.17
χ² / ndf 9.687 / 14
Width 13.98 ± 2.49
Peak 1.000 ± 0.000
Area 3183 ± 1141.4
Integral 12.96 ± 4.17