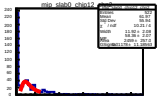
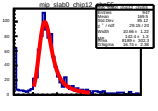
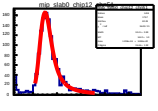
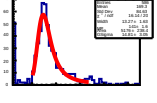
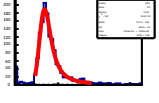
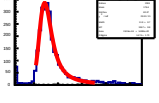

mip_slab0_chip12_chan56
Entries 1324
Mean 55.97
Std Dev 10.21
χ² / ndf 10.21 / 4
Width 11.92 ± 2.16
MPV 58.98 ± 2.07
Area 1.00e+03 ± 1.00e+01
Sigma 14.01 ± 1.04

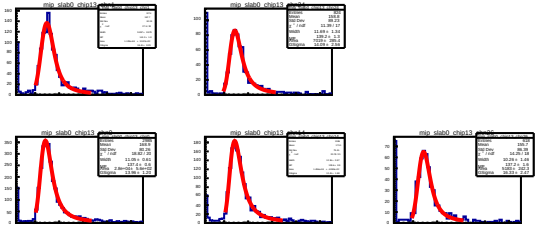

mip_slab0_chip12_chan55
Entries 1324
Mean 39.12
Std Dev 29.38
χ² / ndf 32.60 / 3
Width 3.02 ± 1.3
MPV 19.71 ± 0.8
Area 1.00e+03 ± 1.00e+01
Sigma 18.74 ± 0.8

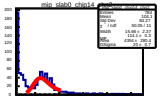

mip_slab0_chip12_chan54
Entries 1324
Mean 44.12
Std Dev 29.38
χ² / ndf 32.60 / 3
Width 3.02 ± 1.3
MPV 19.71 ± 0.8
Area 1.00e+03 ± 1.00e+01
Sigma 18.74 ± 0.8

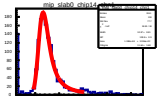

mip_slab0_chip12_chan53
Entries 1324
Mean 34.12
Std Dev 16.22
χ² / ndf 16.22 / 3
Width 13.37 ± 1.93
MPV 51.91 ± 2.8
Area 1.00e+03 ± 1.00e+01
Sigma 14.93 ± 1.9

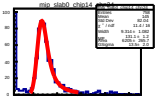

mip_slab0_chip12_chan52
Entries 1324
Mean 34.12
Std Dev 16.22
χ² / ndf 16.22 / 3
Width 13.37 ± 1.93
MPV 51.91 ± 2.8
Area 1.00e+03 ± 1.00e+01
Sigma 14.93 ± 1.9

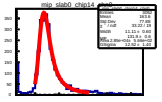

mip_slab0_chip12_chan51
Entries 1324
Mean 34.12
Std Dev 16.22
χ² / ndf 16.22 / 3
Width 13.37 ± 1.93
MPV 51.91 ± 2.8
Area 1.00e+03 ± 1.00e+01
Sigma 14.93 ± 1.9

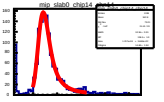

mip_slab0_chip13_chan1
mip_slab0_chip13_chan2
mip_slab0_chip13_chan3
mip_slab0_chip13_chan4
mip_slab0_chip13_chan5

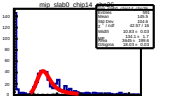

mip_slab0_chip14_chan0
Entries 1024
Mean 114.7
Std Dev 50.08
χ² / ndf 19.98 / 2
Constant 118.4 ± 6.8
Mean 114.2 ± 2.2
Sigma 16.2 ± 1.6

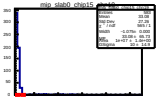

mip_slab0_chip14_chan1
Entries 1024
Mean 114.7
Std Dev 50.08
χ² / ndf 19.98 / 2
Constant 118.4 ± 6.8
Mean 114.2 ± 2.2
Sigma 16.2 ± 1.6

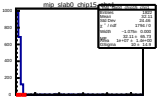

mip_slab0_chip14_chan2
Entries 1024
Mean 114.7
Std Dev 50.08
χ² / ndf 19.98 / 2
Constant 118.4 ± 6.8
Mean 114.2 ± 2.2
Sigma 16.2 ± 1.6

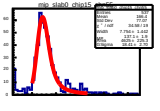

mip_slab0_chip14_chan3
Entries 1024
Mean 114.7
Std Dev 50.08
χ² / ndf 19.98 / 2
Constant 118.4 ± 6.8
Mean 114.2 ± 2.2
Sigma 16.2 ± 1.6

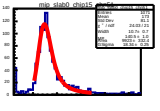

mip_slab0_chip14_chan4
Entries 1024
Mean 114.7
Std Dev 50.08
χ² / ndf 19.98 / 2
Constant 118.4 ± 6.8
Mean 114.2 ± 2.2
Sigma 16.2 ± 1.6

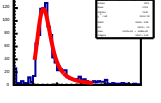

mip_slab0_chip14_chan5
Entries 1024
Mean 114.7
Std Dev 50.08
χ² / ndf 19.98 / 2
Constant 118.4 ± 6.8
Mean 114.2 ± 2.2
Sigma 16.2 ± 1.6

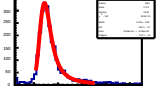

mip_slab0_chip15_chn16
Entries 7194
Mean 29.28
Std Dev 27.26
χ / ndf 9691 / 1
Const 0.0270 ± 0.000
Mean 33.06 ± 0.00
Sigma 14.07 ± 0.00
Integral 34 ± 0.0

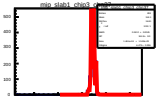

mip_slab0_chip15_chn1
Entries 7194
Mean 22.12
Std Dev 30.46
χ / ndf 17.66
Const 0.0750 ± 0.000
Mean 32.11 ± 00.00
Sigma 14.07 ± 0.00
Integral 34 ± 0.00

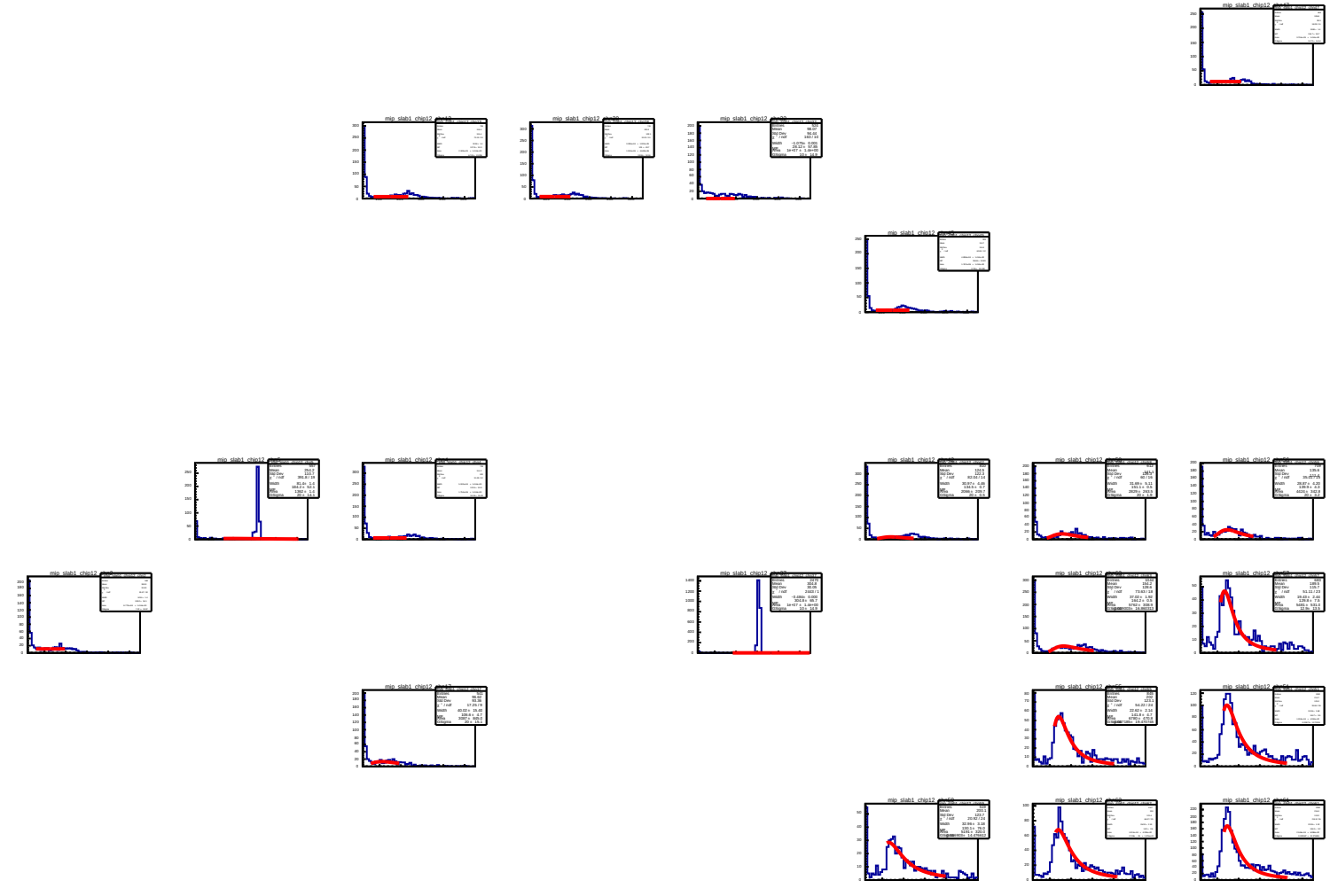

mip_slab0_chip15_chn56
Entries 7194
Mean 39.12
Std Dev 77.07
χ / ndf 34.67 / 1
Const 1.754 ± 1.410
Mean 3.01 ± 1.6
Sigma 10.01 ± 2.0
Integral 30.01 ± 2.0

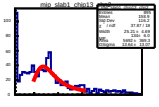

mip_slab0_chip15_chn56
Entries 7194
Mean 21.1
Std Dev 20.01
χ / ndf 12.71 / 17
Const 3.03 ± 1.0
Mean 30.01 ± 0.00
Sigma 30.01 ± 0.00

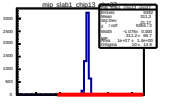

mip_slab0_chip15_chn56
Entries 7194
Mean 21.1
Std Dev 20.01
χ / ndf 12.71 / 17
Const 3.03 ± 1.0
Mean 30.01 ± 0.00
Sigma 30.01 ± 0.00

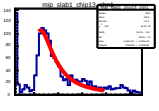

mip_slab0_chip15_chn56
Entries 7194
Mean 21.1
Std Dev 20.01
χ / ndf 12.71 / 17
Const 3.03 ± 1.0
Mean 30.01 ± 0.00
Sigma 30.01 ± 0.00

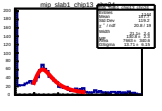

mip_slab1_chip3_ch13
500
400
300
200
100
0
Statistics box
Entries 4000
Mean x 0.0
Mean y 0.0
RMS x 0.0
RMS y 0.0
Underflow 0
Overflow 0
Integral 4000
Skewness x 0.0
Skewness y 0.0
Kurtosis x -1.000
Kurtosis y -1.000
Minimum -0.5
Maximum 0.5
Underflow x 0.0
Overflow x 0.0

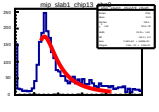

mip slab1 chip12 channel 0
mip slab1 chip12 channel 1
mip slab1 chip12 channel 2
mip slab1 chip12 channel 3
mip slab1 chip12 channel 4
mip slab1 chip12 channel 5
mip slab1 chip12 channel 6
mip slab1 chip12 channel 7
mip slab1 chip12 channel 8
mip slab1 chip12 channel 9
mip slab1 chip12 channel 10
mip slab1 chip12 channel 11
mip slab1 chip12 channel 12
mip slab1 chip12 channel 13
mip slab1 chip12 channel 14
mip slab1 chip12 channel 15
mip slab1 chip12 channel 16
mip slab1 chip12 channel 17
mip slab1 chip12 channel 18
mip slab1 chip12 channel 19
mip slab1 chip12 channel 20
mip slab1 chip12 channel 21
mip slab1 chip12 channel 22
mip slab1 chip12 channel 23
mip slab1 chip12 channel 24
mip slab1 chip12 channel 25
mip slab1 chip12 channel 26
mip slab1 chip12 channel 27
mip slab1 chip12 channel 28
mip slab1 chip12 channel 29
mip slab1 chip12 channel 30
mip slab1 chip12 channel 31

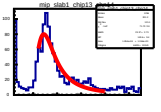

mip slab1 chip13 chan2
Entries 1024
Mean 159.9
Std Dev 37.67
χ² / ndf 37.67 / 18
Prob 0.0
Width 29.21 ± 0.69
Mpv 161 ± 0.4
Area 1.0e+06 ± 1.0e+04
Sigma 13.61 ± 13.07

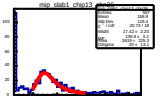

mip slab1 chip13 chan3
Entries 1024
Mean 351.2
Std Dev 61.15
χ² / ndf 9.07 / 5
Prob 0.1
Width 0.278 ± 0.032
Mpv 313.3 ± 66.7
Area 54.7 ± 1.0e+04
Sigma 0.1 ± 11.8

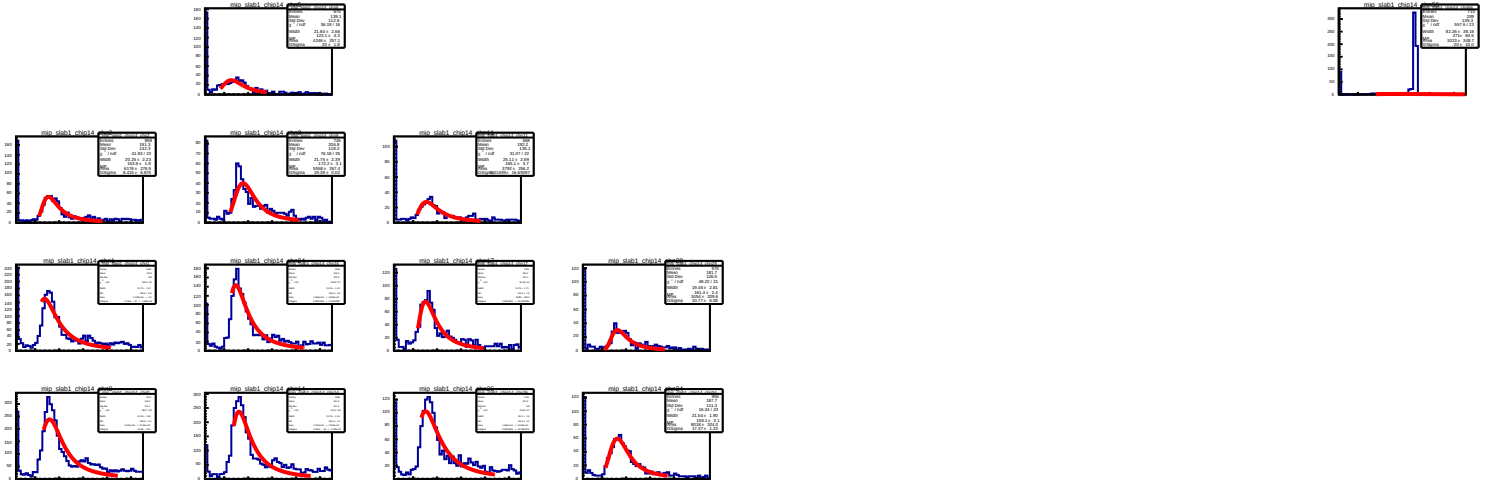

mip slab1 chip13 chan4
Entries 1024
Mean 159.9
Std Dev 109.2
χ² / ndf 20.8 / 15
Prob 0.1
Width 21.21 ± 0.8
Mpv 161.1 ± 0.5
Area 1.0e+06 ± 1.0e+04
Sigma 75.74 ± 0.4


mip slab1 chip13 chan5
Entries 1024
Mean 159.9
Std Dev 109.2
χ² / ndf 20.8 / 15
Prob 0.1
Width 21.21 ± 0.8
Mpv 161.1 ± 0.5
Area 1.0e+06 ± 1.0e+04
Sigma 75.74 ± 0.4


mip slab1 chip13 chan6
Entries 1024
Mean 159.9
Std Dev 109.2
χ² / ndf 20.8 / 15
Prob 0.1
Width 21.21 ± 0.8
Mpv 161.1 ± 0.5
Area 1.0e+06 ± 1.0e+04
Sigma 75.74 ± 0.4


mip slab1 chip13 chan7
Entries 1024
Mean 159.9
Std Dev 109.2
χ² / ndf 20.8 / 15
Prob 0.1
Width 21.21 ± 0.8
Mpv 161.1 ± 0.5
Area 1.0e+06 ± 1.0e+04
Sigma 75.74 ± 0.4


mip slab1 chip13 chan8
Entries 1024
Mean 159.9
Std Dev 37.67
χ² / ndf 20.757 / 18
Prob 0.3
Width 17.43 ± 2.20
Mpv 161.1 ± 0.4
Area 1.0e+06 ± 1.0e+04
Sigma 20 ± 0.1


mip slab1 chip14
mip slab1 chip14
mip slab1 chip14
mip slab1 chip14
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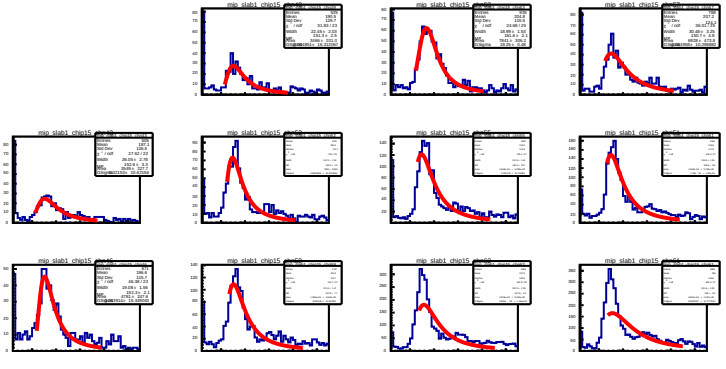
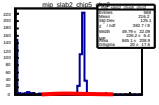
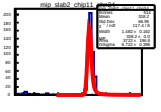
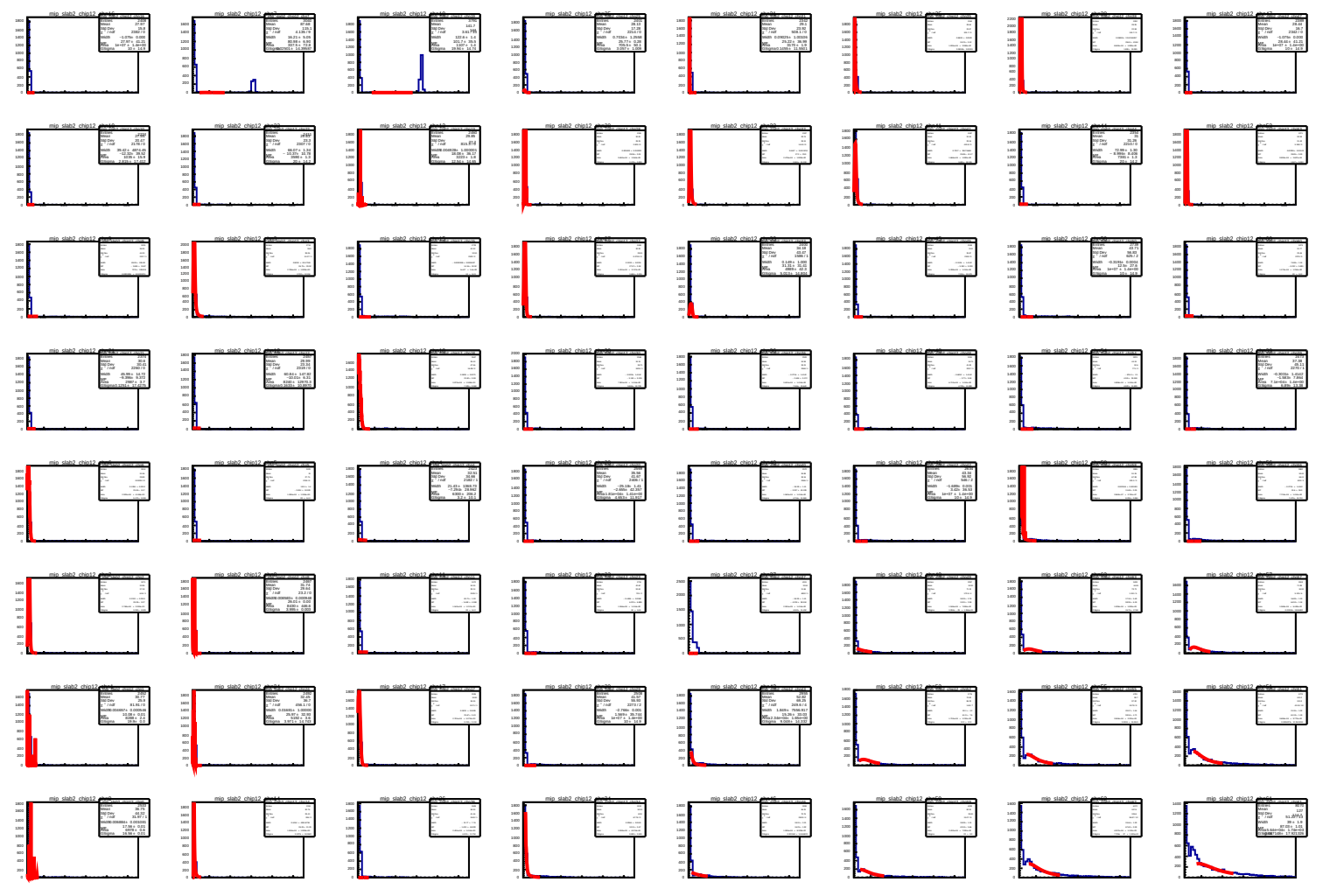
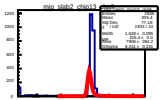
mip slab1 chip14

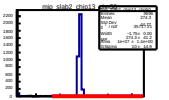

mip slab1 chip15 chan32
mip slab1 chip15 chan33
mip slab1 chip15 chan34
mip slab1 chip15 chan35
mip slab1 chip15 chan36
mip slab1 chip15 chan37
mip slab1 chip15 chan38
mip slab1 chip15 chan39
mip slab1 chip15 chan40
mip slab1 chip15 chan41
mip slab1 chip15 chan42
mip slab1 chip15 chan43

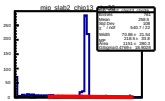

mip_slab2_chip5_chan2
Entries 324
Mean 73.4
Std Dev 15.7
χ² / ndf 362.7 / 9
Prob 0
Constant 49.79 ± 22.08
Mean 226.2 ± 4.4
Sigma 10.31 ± 3.14
Integral 50.31 ± 17.8
220
200
180
160
140
120
100
80
60
40
20
0


mip_slab2_chip11
Entries 1000
Mean 0.07
Underflow 0
Overflow 0
χ² / ndf 117.5 / 5
Width 1.083 ± 0.302
Sigma 0.721 ± 0.214
MPV 0.021 ± 0.063
Integral 6.720 ± 0.000




mip slab2 chip13


mip slab2 chip13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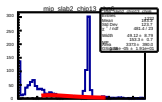
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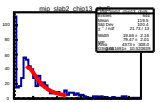
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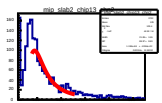
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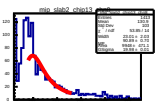
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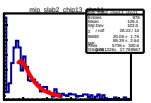
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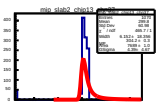
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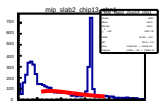
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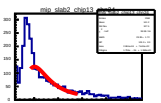
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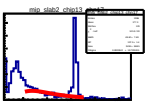
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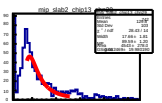
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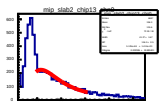
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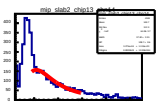
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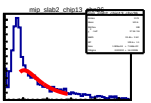
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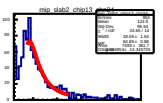
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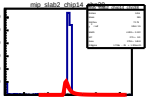
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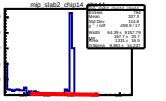
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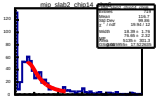
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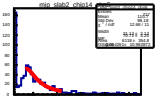
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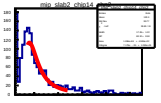
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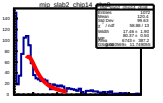
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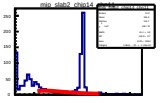
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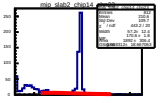
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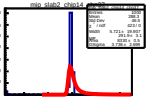
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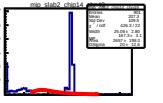
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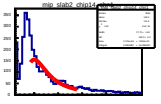
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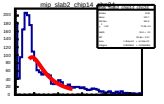
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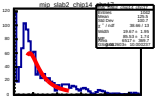
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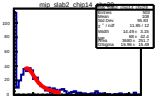
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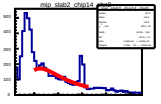
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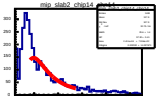
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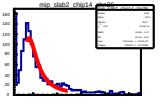
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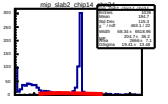
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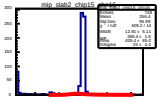
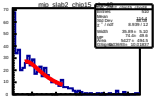
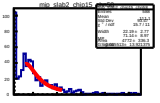
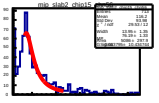
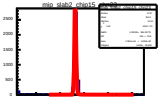
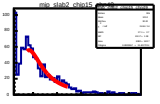

mip_slab2_chip15_chan32
Entries 1000
Mean 294.2
Std Dev 85.66
χ² / ndf 609.2 / 14
Width 12.96 ± 9.14
Sigma 5.49 ± 4.32
MPV 428.4 ± 30.5
Integral 24 ± 2.2

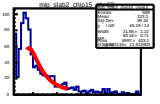

mip_slab2_chip15_chan33
Entries 1000
Mean 147.4
Std Dev 12.18
χ² / ndf 1.12
Width 36.8 ± 3.2
Sigma 19.6 ± 3.4
MPV 522.7 ± 243.3
Integral 1.1 ± 1.1

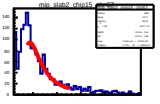

mip_slab2_chip15_chan34
Entries 1000
Mean 133.2
Std Dev 10.12
χ² / ndf 25.7 / 11
Width 21.24 ± 2.17
Sigma 11.43 ± 1.77
MPV 277.1 ± 30.1
Integral 1.1 ± 1.1

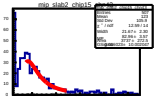

mip_slab2_chip15_chan35
Entries 1000
Mean 133.2
Std Dev 10.12
χ² / ndf 29.63 / 11
Width 13.95 ± 1.35
Sigma 7.51 ± 1.14
MPV 1000 ± 297.6
Integral 1.1 ± 1.1

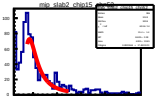

mip_slab2_chip15_chan36
Entries 1000
Mean 133.2
Std Dev 10.12
χ² / ndf 1.1 / 1
Width 1.06 ± 0.01
Sigma 0.57 ± 0.01
MPV 2000 ± 1.1
Integral 1.1 ± 1.1

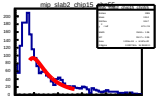

mip_slab2_chip15_chan37
Entries 1000
Mean 133.2
Std Dev 10.12
χ² / ndf 1.1 / 1
Width 1.06 ± 0.01
Sigma 0.57 ± 0.01
MPV 2000 ± 1.1
Integral 1.1 ± 1.1

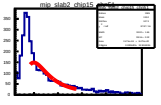

mip_slab2_chip15_chan38
Entries 1000
Mean 133.2
Std Dev 10.12
χ² / ndf 65.18 / 14
Width 21.86 ± 2.12
Sigma 10.18 ± 0.71
MPV 1000 ± 1.1
Integral 1.1 ± 1.1

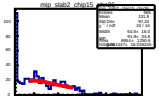

mip_slab2_chip15_chan39
Entries 1000
Mean 133.2
Std Dev 10.12
χ² / ndf 1.1 / 1
Width 1.06 ± 0.01
Sigma 0.57 ± 0.01
MPV 2000 ± 1.1
Integral 1.1 ± 1.1

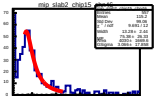

mip_slab2_chip15_chan40
Entries 1000
Mean 133.2
Std Dev 10.12
χ² / ndf 12.93 / 9
Width 10.0
Sigma 5.7
MPV 22.67 ± 2.16
Integral 32.66 ± 3.97
MPV 1000 ± 1.1
Integral 1.1 ± 1.1

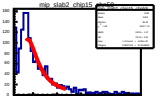

mip_slab2_chip15_chan41
Entries 1000
Mean 133.2
Std Dev 10.12
χ² / ndf 1.1 / 1
Width 1.06 ± 0.01
Sigma 0.57 ± 0.01
MPV 2000 ± 1.1
Integral 1.1 ± 1.1

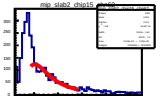

mip_slab2_chip15_chan42
Entries 1000
Mean 133.2
Std Dev 10.12
χ² / ndf 1.1 / 1
Width 1.06 ± 0.01
Sigma 0.57 ± 0.01
MPV 2000 ± 1.1
Integral 1.1 ± 1.1

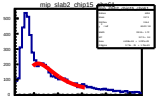

mip_slab2_chip15_chan43
Entries 1000
Mean 133.2
Std Dev 10.12
χ² / ndf 1.1 / 1
Width 1.06 ± 0.01
Sigma 0.57 ± 0.01
MPV 2000 ± 1.1
Integral 1.1 ± 1.1

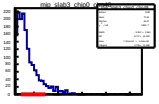

mip_slab2_chip15_chan44
Entries 1000
Mean 133.2
Std Dev 10.12
χ² / ndf 10.7 / 12
Width 64.9e-14 ± 1.1e-14
Sigma 1.1e-14 ± 1.1e-14
MPV 1000 ± 1.1
Integral 1.1 ± 1.1

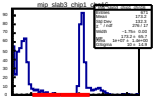

mip_slab2_chip15_chan45
Entries 1000
Mean 133.2
Std Dev 10.12
χ² / ndf 9.857 / 12
Width 13.29 ± 2.65
Sigma 6.87 ± 1.13
MPV 1000 ± 1.1
Integral 1.1 ± 1.1

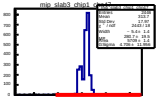

mip_slab2_chip15_chan46
Entries 1000
Mean 133.2
Std Dev 10.12
χ² / ndf 1.1 / 1
Width 1.06 ± 0.01
Sigma 0.57 ± 0.01
MPV 2000 ± 1.1
Integral 1.1 ± 1.1

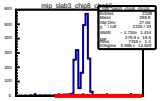

mip_slab2_chip15_chan47
Entries 1000
Mean 133.2
Std Dev 10.12
χ² / ndf 1.1 / 1
Width 1.06 ± 0.01
Sigma 0.57 ± 0.01
MPV 2000 ± 1.1
Integral 1.1 ± 1.1

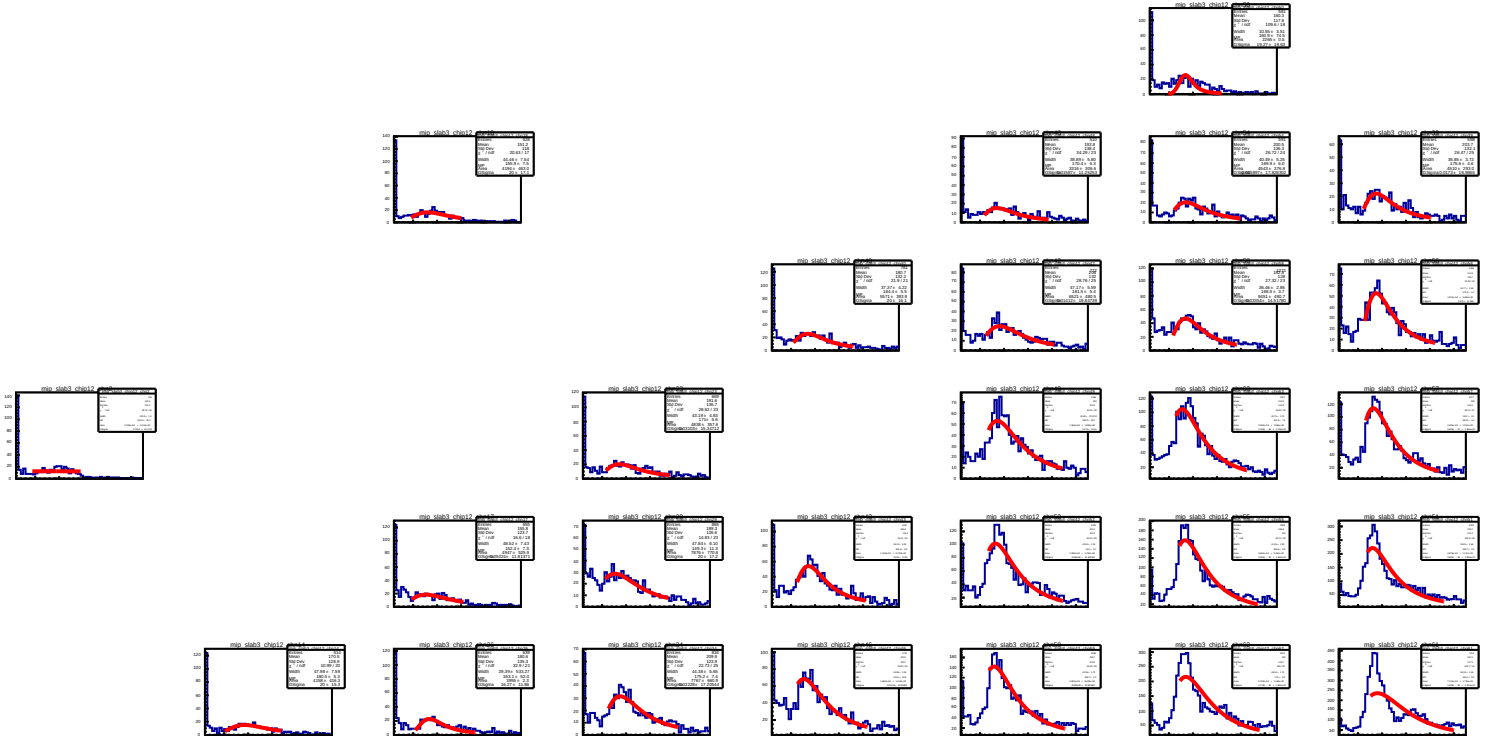

mip_slab2_chip15_chan48
Entries 1000
Mean 133.2
Std Dev 10.12
χ² / ndf 1.1 / 1
Width 1.06 ± 0.01
Sigma 0.57 ± 0.01
MPV 2000 ± 1.1
Integral 1.1 ± 1.1

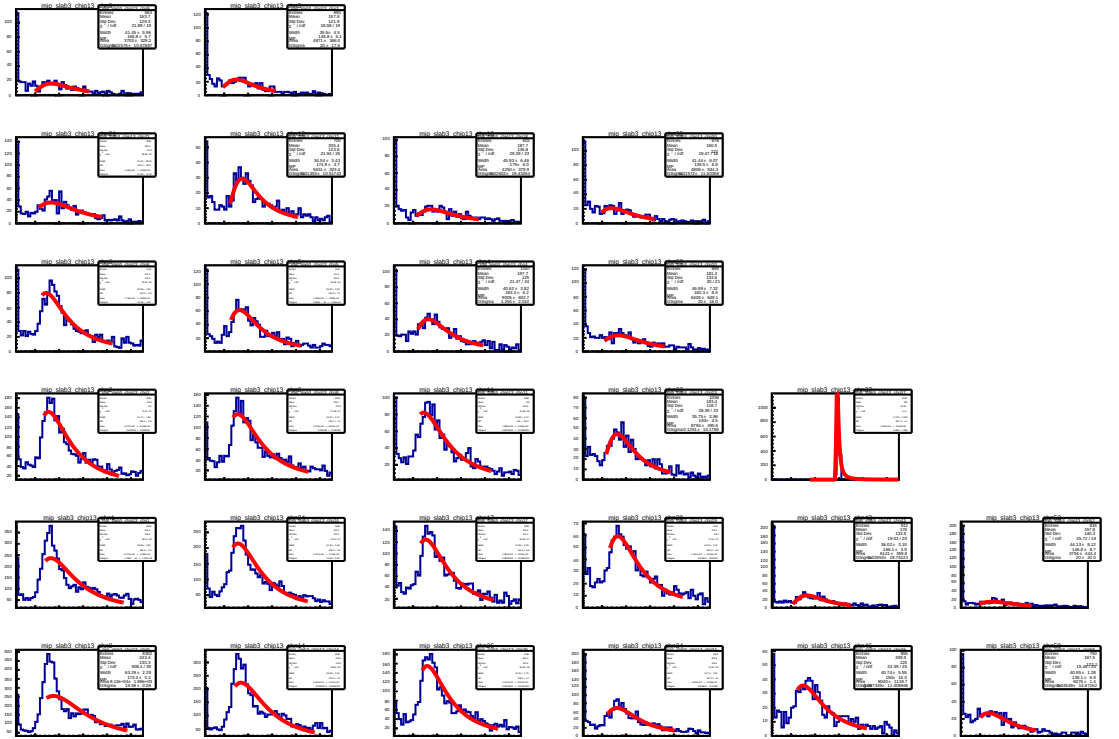


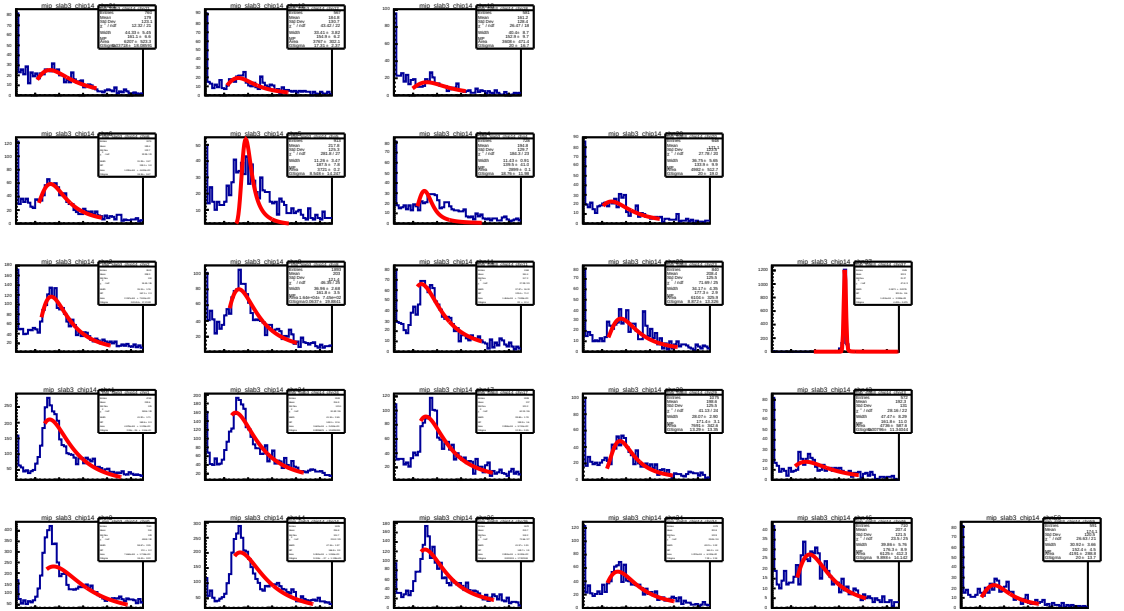

mip slab3 chip1 chan5
Entries 10000
Mean 14.12
Std Dev 132.2
χ / ndf 2291 / 17
Width 0.0± 0.0
Mean 14.07 ± 0.04
Sigma 24.1 ± 0.0

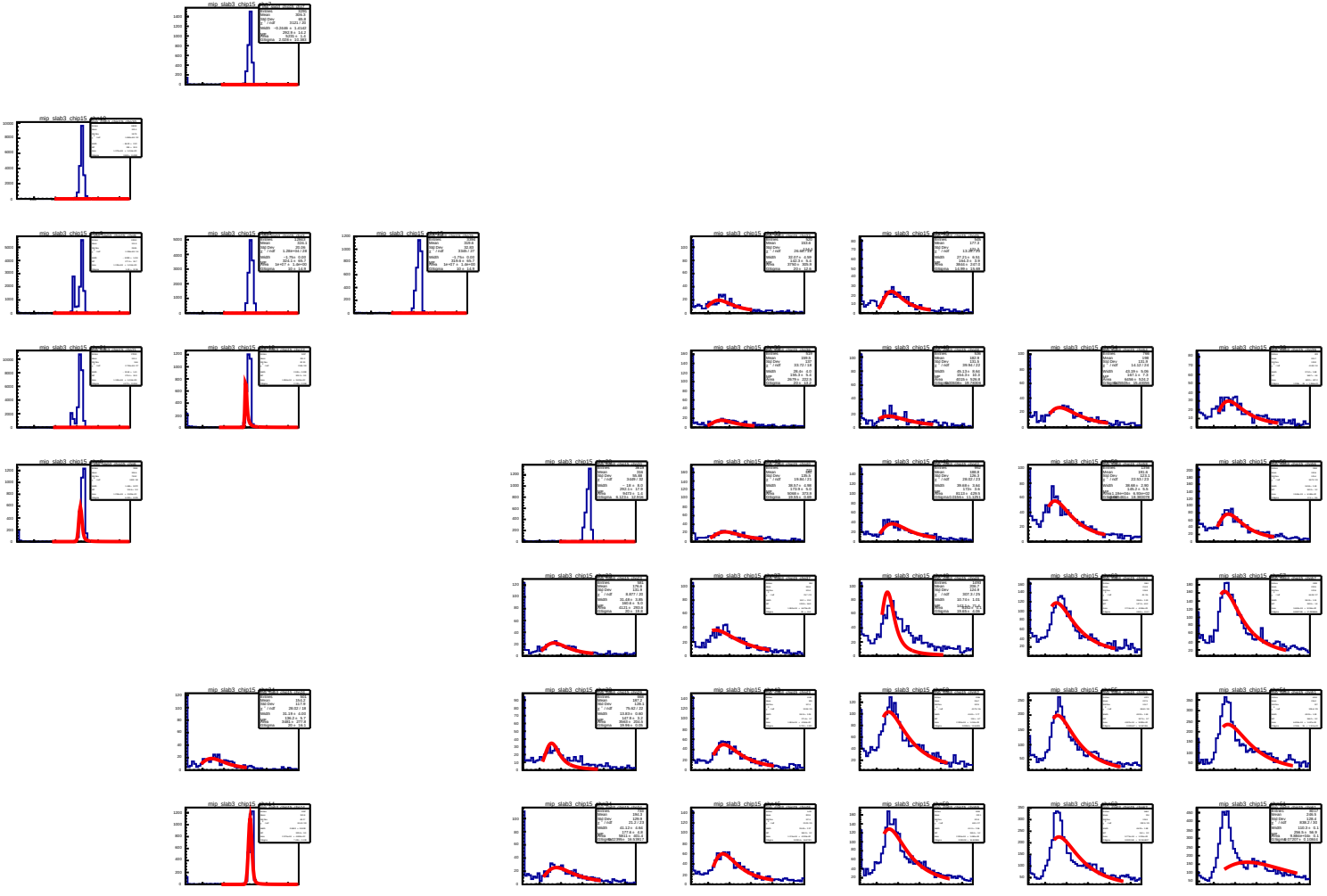

mip slab3 chip1 chan5
Entries 10000
Mean 1024
Std Dev 17.97
χ / ndf 2163 / 14
Width 0.4± 1.4
Mean 2604.0 ± 0.1
Sigma 0.58 ± 0.10

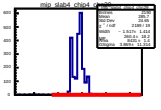

msp_slab3_chip8_strip5
Entries 2012
Mean 27.06
Std Dev 22251.23
Underflow - 3.7316e-14 1.414
Overflow 7.7316e-14 5.6
Integrals 9.9999e+17 22.361
600
500
400
300
200
100
0

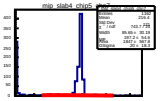

mip slab3 chip12 chan0
mip slab3 chip12 chan1
mip slab3 chip12 chan2
mip slab3 chip12 chan3
mip slab3 chip12 chan4
mip slab3 chip12 chan5
mip slab3 chip12 chan6
mip slab3 chip12 chan7
mip slab3 chip12 chan8
mip slab3 chip12 chan9
mip slab3 chip12 chan10
mip slab3 chip12 chan11
mip slab3 chip12 chan12
mip slab3 chip12 chan13
mip slab3 chip12 chan14
mip slab3 chip12 chan15
mip slab3 chip12 chan16
mip slab3 chip12 chan17
mip slab3 chip12 chan18
mip slab3 chip12 chan19
mip slab3 chip12 chan20
mip slab3 chip12 chan21
mip slab3 chip12 chan22
mip slab3 chip12 chan23

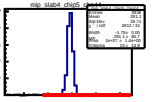


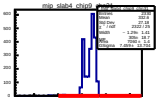


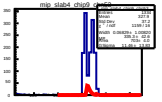


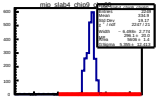

mip slab4 chip4 strip0
Entries 2000
Mean 250.7
Std Dev 28.06
χ² / ndf 1.08 / 1
p0 3.523 ± 0.418
p1 250.0 ± 18.2
p2 28.00 ± 0.03
Integral 3.9999 ± 0.03
600
500
400
300
200
100
0

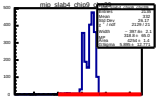

mip slab4 chip5 chan2
Entries 2047
Mean 2047
Std Dev 7.03 7.03
χ2 / ndf
width 39.94± 39.14
Mean 2047.0 ± 0.1
Sigma 2.01 ± 0.07
450
400
350
300
250
200
150
100
50
0

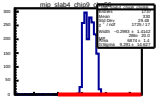

mip slab4 chip5 chan3
Entries 2047
Mean 281.4
Std Dev 28.27 28.27
χ2 / ndf
width -1.75± 0.90
Mean 281.0 ± 0.6
Sigma 14±27 ± 1.0±0.0
Sigma 28.1 ± 0.4
1000
800
600
400
200
0

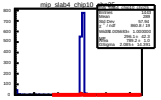

mip_slab4_chip2_chn24
Entries 3212
Mean 27.16
Std Dev 2327.71
χ / ndf 1198 / 12
Width 1.29± 1.41
Mean -2.09± 2.72
Area 2968± 5.4
Sigma 0.697± 0.701

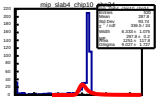

mip_slab4_chip2_chn25
Entries 3212
Mean 117.4
Std Dev 2327.71
χ / ndf 1198 / 12
Width 0.00439± 0.00603
Mean 0.0000± 0.0000
Area 0.0
Sigma 11.01± 0.00

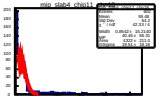
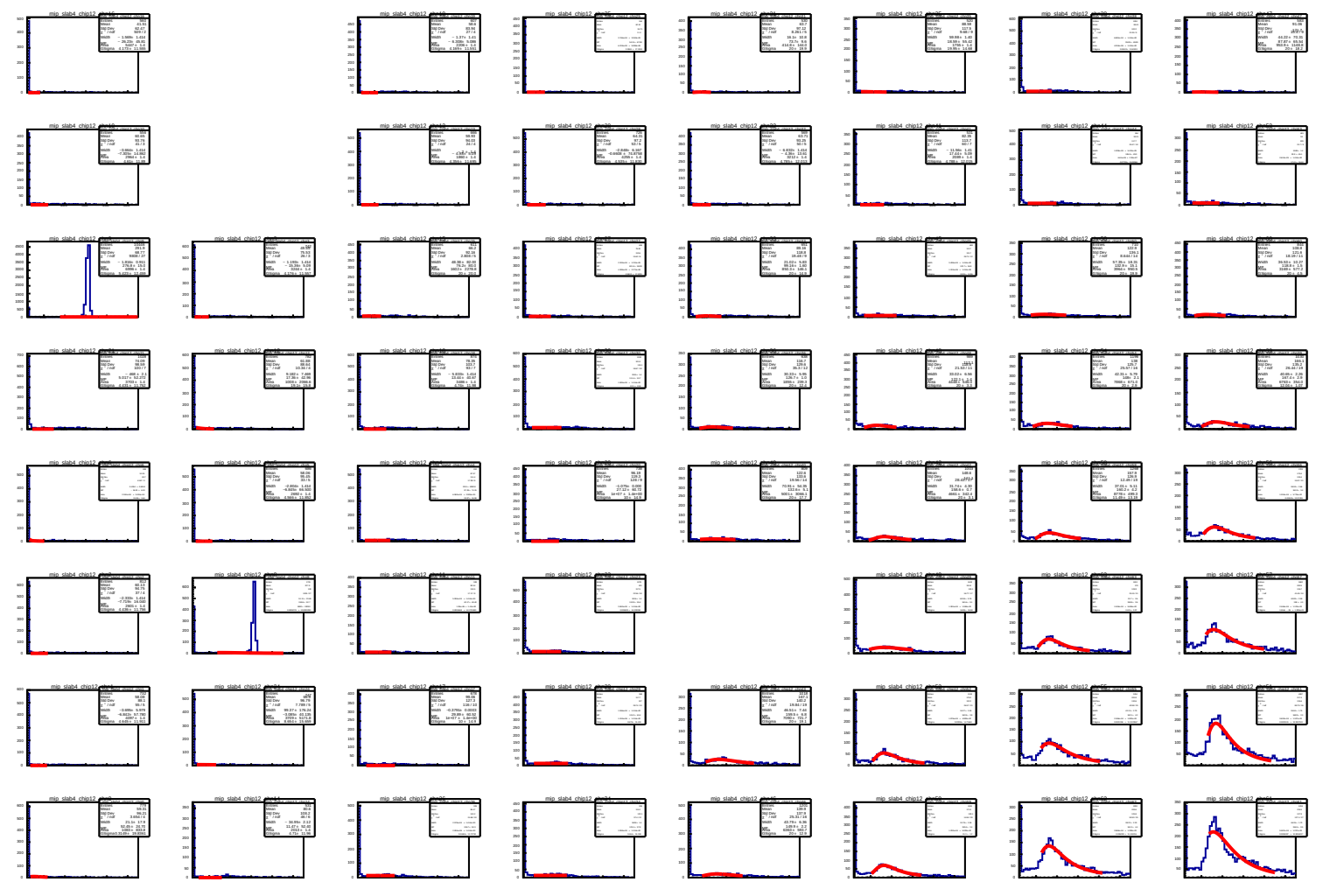
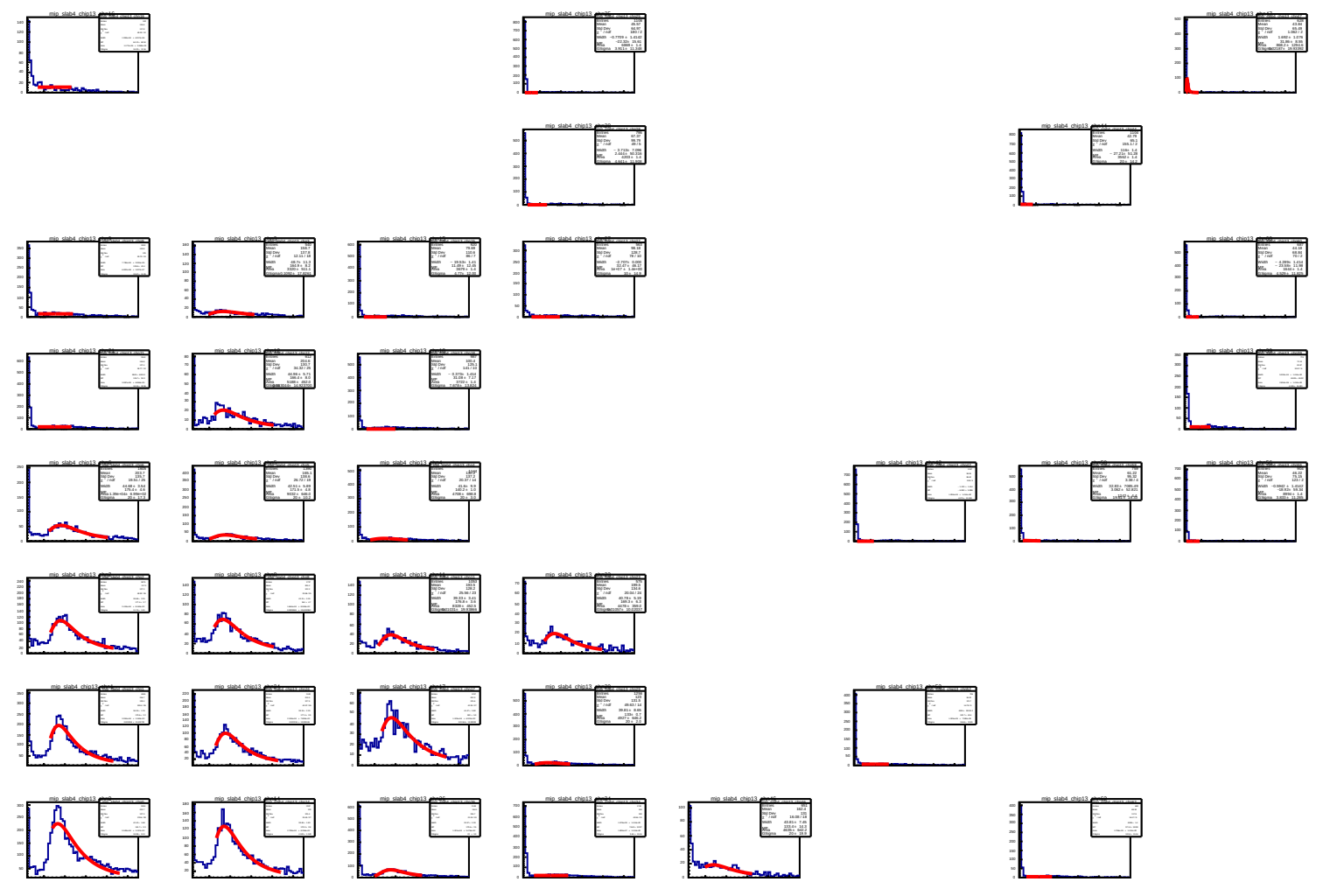
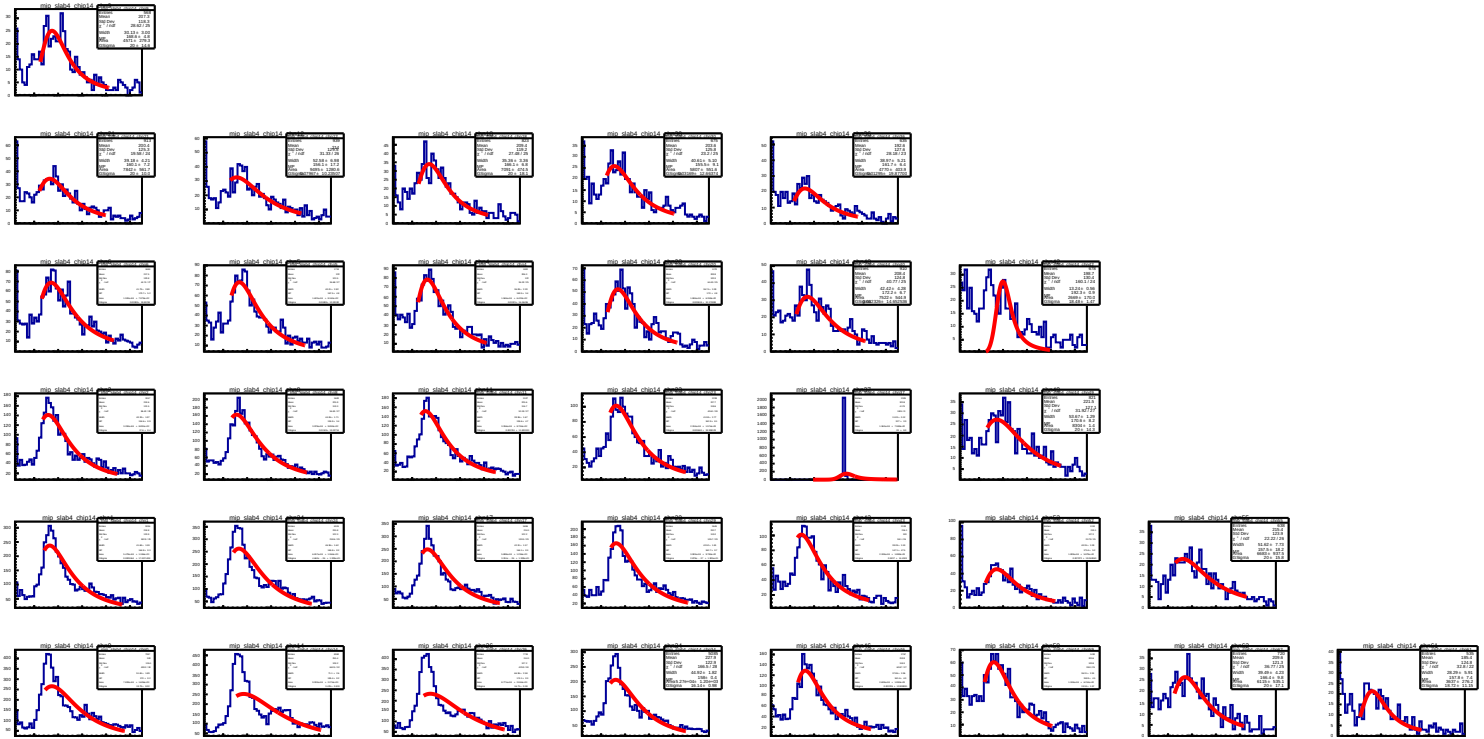
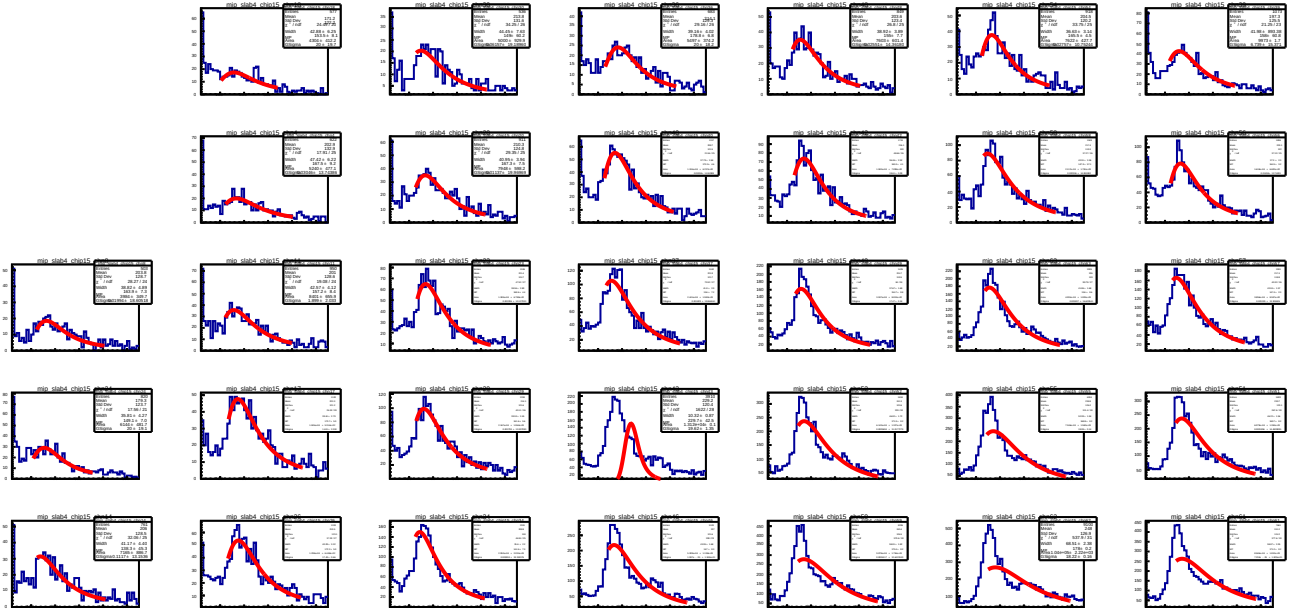

mip_slab4_chip2_chn26
Entries 3212
Mean 2412
Std Dev 2327.71
χ / ndf 1198 / 12
Width -0.0000± 2.272
Mean 0.0± 0.0
Area 0.0
Sigma 0.000± 0.000


mip_slab4_chip2_chn27
Entries 3212
Mean 2.19
Std Dev 2327.71
χ / ndf 1198 / 12
Width -.0014± 0.3
Mean 0.0± 0.0
Area 4294± 5.4
Sigma 0.000± 0.000


mip_slab4_chip2_chn28
Entries 3212
Mean 2.19
Std Dev 2327.71
χ / ndf 1198 / 12
Width 0.2991± 0.4545
Mean 0.0± 0.0
Area 4294± 5.4
Sigma 0.000± 0.000


mip_slab4_chip10_gain50
Entries 1024
Mean 1.04
Std Dev 57.16
χ² / ndf 3903.8 / 14
Width 0.0000 ± 0.0000
Mean 1.000 ± 0.000
Sigma 2.663 ± 0.000


mip_slab4_chip10_gain50
Entries 1024
Mean 28.17
Std Dev 19.12
χ² / ndf 339.75 / 13
Width 0.000 ± 0.000
Mean 1.000 ± 0.000
Sigma 6.027 ± 1.000


min sbh4 chi11
Entries 99 00
Mean 99 00
Std Dev 99 0
Underflow 0
Overflow 0
Integral 99 00
Mean 0.8842± 10.2140
Sigma 0.6142± 10.10
MPV 2.0202± 10.10
Chi2/ndf 0.7/1
200
180
160
140
120
100
80
60
40
20
0