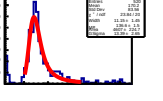
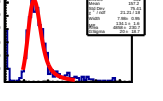
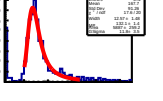
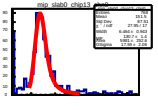
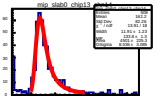
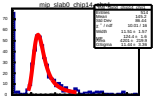

mip_slab0_chip12_chan56
Entries 1352
Mean 83.56
Std Dev 33.98
χ² / ndf 1.45
Width 11.20 ± 1.45
MPV 139.6 ± 5.5
Integral 22.90 ± 2.65

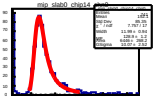

mip_slab0_chip12_chan55
Entries 1352
Mean 39.27
Std Dev 21.32
χ² / ndf 21.32 / 18
Width 7.99± 0.95
MPV 45.8 ± 1.1
Integral 4888 ± 245.7
Sigma 20 ± 0.7

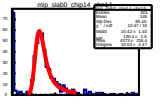

mip_slab0_chip12_chan54
Entries 1352
Mean 104.7
Std Dev 37.14
χ² / ndf 179.2 / 25
Width 12.97 ± 1.45
MPV 159.1 ± 1.1
Integral 5827 ± 248.7
Sigma 11.6 ± 0.7

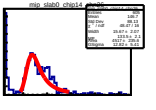

mip_slab0_chip13
Name mip
Mean 361.5
RMS 19.19
χ² / ndf 27.95 / 17
Width 6.864 ± 0.903
MPV 361.1 ± 1.1
Area 5583 ± 243.6
Sigma 17.96 ± 0.24

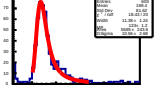

mip_slab0_chip14
Name mip
Mean 16.07
RMS 10.14
χ² / ndf 13.82 / 15
Width 11.91 ± 1.13
MPV 16.07 ± 0.6
Area 2321 ± 28.1
Sigma 8.926 ± 0.08

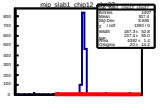

mip_slab0_chip14_chan1
Entries 2000
Mean 19.17
std Dev 89.44
χ² / ndf 102.8 / 6
Prob 0
MPV 132.4 ± 3.6
Width 13.92 ± 3.57
Integral 12.61 ± 0.56

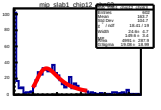

mip_slab0_chip14_chan2
Entries 1451
std Dev 39.05
χ² / ndf 7.7977 / 13
Prob 0
MPV 11.99 ± 0.94
Width 7.000 ± 0.000
Integral 9.689 ± 0.062

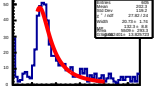

mip_slab0_chip14_chan3
Entries 2000
std Dev 39.15
χ² / ndf 12.27 / 15
Prob 0
MPV 33.43 ± 1.43
Width 7.000 ± 0.000
Integral 10.53 ± 0.12

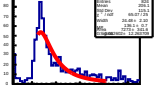

mip_slab0_chip14_chan4
Entries 2000
std Dev 39.11
χ² / ndf 46.47 / 16
Prob 0
MPV 33.67 ± 2.07
Width 7.000 ± 0.000
Integral 12.62 ± 0.21

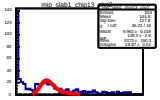

mip slab0 chip15 ped0
Entries 1000
Mean 16.67
Underflow 0
Overflow 0
χ² / ndf 16.83 / 15
Width 11.90 ± 1.16
Mpv 16.67 ± 0.07
Area 9107 ± 163.5
Sigma 0.700 ± 0.0

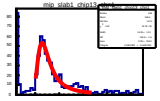

mip slab1 chip12 chan3
Entries 1224
Mean 257.4
Std Dev 138.0
χ² / ndf 1.86 / 19
Width 237.3 ± 52.0
MPV 257.0 ± 56.0
Area 1224 ± 0.0
Sigma 204.4 ± 0.0

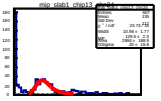

mip slab1 chip12 chan3
Entries 1224
Mean 33.7
Std Dev 16.0
χ² / ndf 16.41 / 19
Width 21.61 ± 0.7
MPV 19.84 ± 0.4
Area 1224 ± 0.0
Sigma 19.00 ± 15.18

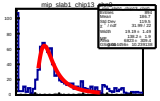

mip slab1 chip12 chan5
Entries 1224
Mean 252.2
Std Dev 139.2
χ² / ndf 2.74 / 19
Width 35.75 ± 1.75
MPV 332.5 ± 8.8
Area 1224 ± 0.0
Sigma 31.6 ± 0.0

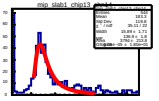

mip slab1 chip12 chan6
Entries 1224
Mean 33.1
Std Dev 16.1
χ² / ndf 65.27 / 19
Width 36.88 ± 2.10
MPV 52.00 ± 0.8
Area 1224 ± 0.0
Sigma 52.0 ± 0.0

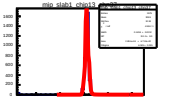

mip slab1 chip13 strip1
Entries 1024
Mean 112.6
Std Dev 39.207
χ² / ndf 39.207 / 34
Width 0.562 ± 0.019
MPV 139.0 ± 2.6
Area 7.000 ± 0.000
Sigma 13.07 ± 0.53

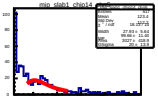

mip slab1 chip13 strip2
Entries 1024
Mean 112.6
Std Dev 31.967
χ² / ndf 31.967 / 33
Width 19.18 ± 1.49
MPV 139.0 ± 2.6
Area 6.977 ± 0.000
Sigma 10.22 ± 0.00

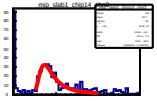

mip slab1 chip13 strip3
Entries 1024
Mean 112.6
Std Dev 23.72
χ² / ndf 23.72 / 31
Width 10.66 ± 3.77
MPV 139.0 ± 2.6
Area 2.000 ± 0.000
Sigma 7.00 ± 0.00

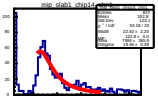

mip slab1 chip13 strip4
Entries 1024
Mean 112.6
Std Dev 33.01
χ² / ndf 33.01 / 32
Width 19.18 ± 1.49
MPV 139.0 ± 2.6
Area 6.977 ± 0.000
Sigma 10.22 ± 0.00

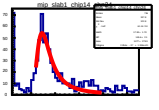

mip slab1 chip13 strip5
Entries 1024
Mean 112.6
Std Dev 35.17
χ² / ndf 35.17 / 31
Width 19.89 ± 1.71
MPV 139.0 ± 2.6
Area 3.000 ± 0.000
Sigma 10.50 ± 0.00

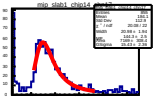

mip slab1 chip13 strip7
Entries 1024
Mean 112.6
Std Dev 8.08
χ² / ndf 8.08 / 34
Width 0.562 ± 0.019
MPV 139.0 ± 2.6
Area 7.000 ± 0.000
Sigma 13.07 ± 0.53

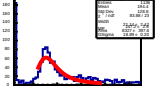

mip slab1 chip14 chn12
Entries 1214
Mean 27.14
Std Dev 16.07
χ² / ndf 39.07 / 19
Width 27.61 ± 3.42
MPV 40.64 ± 0.41
Area 1027 ± 43.6
Sigma 7.71 ± 0.34

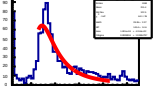

mip slab1 chip14 chn13

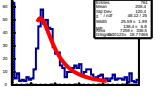

mip slab1 chip14 chn14
Entries 1614
Mean 59.14
Std Dev 120.1
χ² / ndf 93.77 / 19
Width 22.62 ± 2.23
MPV 122.6 ± 0.6
Area 1.e+05 ± 1.e+04
Sigma 19.66 ± 0.58

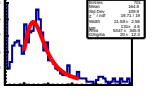

mip slab1 chip14 chn15
Entries 1614
Mean 59.14
Std Dev 120.1
χ² / ndf 93.77 / 19
Width 22.62 ± 2.23
MPV 122.6 ± 0.6
Area 1.e+05 ± 1.e+04
Sigma 19.66 ± 0.58


mip slab1 chip14 chn16
Entries 1614
Mean 59.14
Std Dev 120.1
χ² / ndf 93.77 / 19
Width 22.62 ± 2.23
MPV 122.6 ± 0.6
Area 1.e+05 ± 1.e+04
Sigma 19.66 ± 0.58

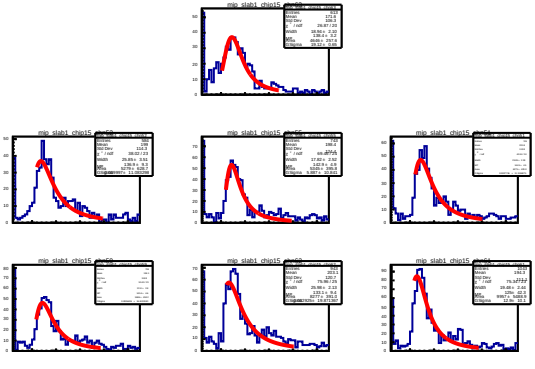

mip slab1 chip14 chn17
Entries 1614
Mean 59.14
Std Dev 120.1
χ² / ndf 93.77 / 19
Width 22.62 ± 2.23
MPV 122.6 ± 0.6
Area 1.e+05 ± 1.e+04
Sigma 19.66 ± 0.58

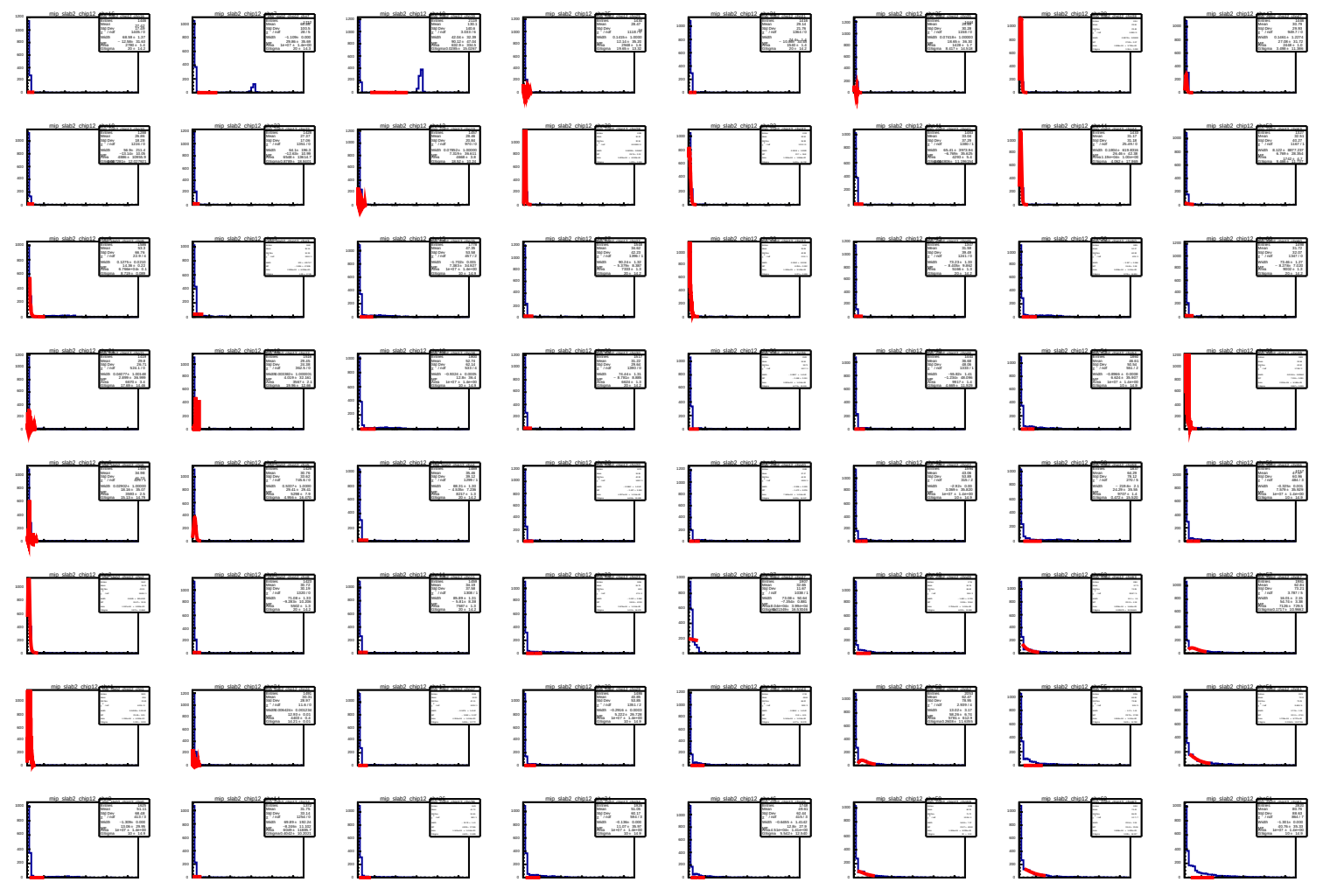

mip slab1 chip14 chn18
Entries 1614
Mean 59.14
Std Dev 120.1
χ² / ndf 93.77 / 19
Width 22.62 ± 2.23
MPV 122.6 ± 0.6
Area 1.e+05 ± 1.e+04
Sigma 19.66 ± 0.58

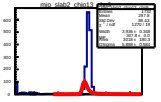

mip slab1 chip14 chn19
Entries 1614
Mean 59.14
Std Dev 120.1
χ² / ndf 93.77 / 19
Width 22.62 ± 2.23
MPV 122.6 ± 0.6
Area 1.e+05 ± 1.e+04
Sigma 19.66 ± 0.58

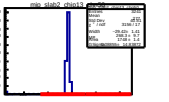

mip slab1 chip14 chn20
Entries 1614
Mean 59.14
Std Dev 120.1
χ² / ndf 93.77 / 19
Width 22.62 ± 2.23
MPV 122.6 ± 0.6
Area 1.e+05 ± 1.e+04
Sigma 19.66 ± 0.58

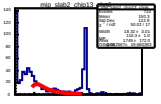
mip slab1 chip14 chn21
Entries 1614
Mean 59.14
Std Dev 120.1
χ² / ndf 93.77 / 19
Width 22.62 ± 2.23
MPV 122.6 ± 0.6
Area 1.e+05 ± 1.e+04
Sigma 19.66 ± 0.58

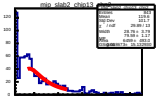

mip slab1 chip15 strip63
mip slab1 chip15 strip62
mip slab1 chip15 strip65
mip slab1 chip15 strip64
mip slab1 chip15 strip61
mip slab1 chip15 strip60
mip slab1 chip15 strip59
mip slab1 chip15 strip58

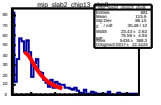


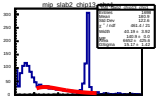

mip slab2 chip13 chan0
Entries 2000
Mean 297.8
Std Dev 122.6
χ² / ndf 1200 / 18
width 3.936 ± 0.308
MPV 300.8 ± 0.5
Area 1.000 ± 0.000
Integral(117.5 - 1023.5) 1.000

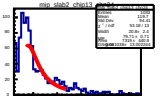

mip slab2 chip13 chan1
Entries 2000
Mean 1035
Std Dev 151.5
χ² / ndf 3196 / 17
width -26.431 ± 1.41
MPV 298.2 ± 0.7
Area 1.000 ± 0.000
Integral(117.5 - 1023.5) 1.000

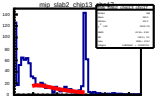

mip slab2 chip13 chan2
Entries 2000
Mean 222.6
Std Dev 122.6
χ² / ndf 50.02 / 17
width 18.92 ± 9.01
MPV 170.1 ± 17.1
Integral(117.5 - 1023.5) 1.000

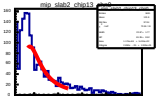

mip slab2 chip13 chan3
Entries 2000
Mean 122.6
Std Dev 122.6
χ² / ndf 29.80 / 13
width 29.79 ± 3.79
MPV 79.98 ± 1.17
Area 1.000 ± 0.000
Integral(117.5 - 1023.5) 1.000

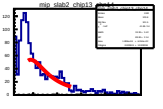

mip slab2 chip13 chan4
Entries 2000
Mean 122.6
Std Dev 122.6
χ² / ndf 30.80 / 12
width 23.23 ± 2.62
MPV 76.58 ± 0.54
Area 1.000 ± 0.000
Integral(117.5 - 1023.5) 1.000

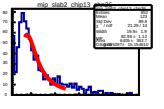

mip slab2 chip13 chan5
Entries 2000
Mean 122.6
Std Dev 122.6
χ² / ndf 491.1 / 18
width 21.14 ± 3.93
MPV 140.6 ± 0.6
Area 1.000 ± 0.000
Integral(117.5 - 1023.5) 1.000

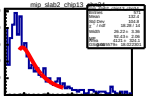

mip slab2 chip13 chan6
Entries 2000
Mean 122.6
Std Dev 122.6
χ² / ndf 34.41 / 14
width 20.56 ± 2.4
MPV 79.71 ± 0.73
Integral(117.5 - 1023.5) 1.000

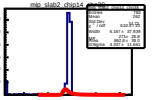

mip slab2 chip13 chan7
Entries 2000
Mean 122.6
Std Dev 122.6
χ² / ndf 0 / 0
width 0.0 ± 0.0
MPV 0.0 ± 0.0
Area 0.000 ± 0.000
Integral(117.5 - 1023.5) 0.000

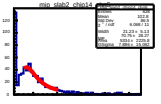

mip slab2 chip13 chan8
Entries 2000
Mean 122.6
Std Dev 122.6
χ² / ndf 0 / 0
width 0.0 ± 0.0
MPV 0.0 ± 0.0
Area 0.000 ± 0.000
Integral(117.5 - 1023.5) 0.000

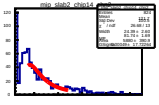

mip slab2 chip13 chan9
Entries 2000
Mean 122.6
Std Dev 122.6
χ² / ndf 0 / 0
width 0.0 ± 0.0
MPV 0.0 ± 0.0
Area 0.000 ± 0.000
Integral(117.5 - 1023.5) 0.000

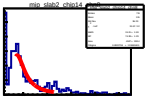

mip slab2 chip13 chan10
Entries 2000
Mean 122.6
Std Dev 122.6
χ² / ndf 21.38 / 12
width 19.91 ± 1.9
MPV 84.98 ± 0.7
Area 0.000 ± 0.000
Integral(117.5 - 1023.5) 0.000

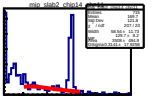

mip slab2 chip13 chan11
Entries 2000
Mean 122.6
Std Dev 122.6
χ² / ndf 16.28 / 11
width 26.23 ± 3.36
MPV 21.41 ± 0.7
Area 0.000 ± 0.000
Integral(117.5 - 1023.5) 0.000

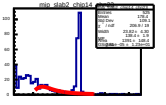

mip_slab2_chip14_chan32
Entries 1112
Mean 0.0
Std Dev 19.15
χ² / ndf 6.03 / 10
Width 4.347 ± 37.938
Mean 0.000 ± 0.000
MPV 362.41 ± 38.01
Integral 4.697 ± 1.414

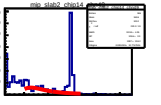

mip_slab2_chip14_chan2
Entries 1112
Mean 0.0
Std Dev 38.5
χ² / ndf 3.098 / 12
Width 25.23 ± 3.13
Mean 0.000 ± 0.000
MPV 3.03 ± 2.03
Integral 7.899 ± 1.414

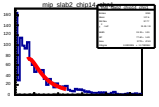

mip_slab2_chip14_chan3
Entries 1112
Mean 0.0
Std Dev 29.68
χ² / ndf 13.18 / 10
Width 21.09 ± 2.63
Mean 32.70 ± 1.09
MPV 0.000 ± 0.000
Integral 33.91 ± 0.000

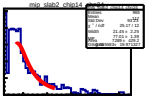

mip_slab2_chip14_chan4
Entries 1112
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0 / 0
Width 0.000 ± 0.000
Mean 0.000 ± 0.000
MPV 0.000 ± 0.000
Integral 0.000 ± 0.000

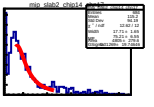

mip_slab2_chip14_chan5
Entries 1112
Mean 0.0
Std Dev 2217.25
χ² / ndf 56.56 / 11.72
Width 129.7 ± 9.2
Mean 0.000 ± 0.000
MPV 0.000 ± 0.000
Integral 33.91 ± 0.000

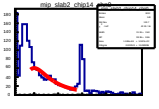

mip_slab2_chip14_chan6
Entries 1112
Mean 0.0
Std Dev 1.0
χ² / ndf 209.8 / 0
Width 23.62 ± 4.16
Mean 198.4 ± 5.3
MPV 0.000 ± 0.000
Integral 33.91 ± 0.000

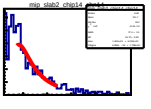

mip_slab2_chip14_chan7
Entries 1112
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0 / 0
Width 0.000 ± 0.000
Mean 0.000 ± 0.000
MPV 0.000 ± 0.000
Integral 0.000 ± 0.000

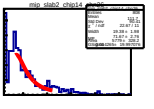

mip_slab2_chip14_chan8
Entries 1112
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0 / 0
Width 0.000 ± 0.000
Mean 0.000 ± 0.000
MPV 0.000 ± 0.000
Integral 0.000 ± 0.000

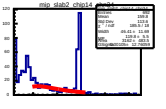

mip_slab2_chip14_chan9
Entries 1112
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0 / 0
Width 0.000 ± 0.000
Mean 0.000 ± 0.000
MPV 0.000 ± 0.000
Integral 0.000 ± 0.000

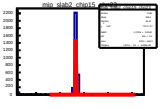

mip_slab2_chip14_chan10
Entries 1112
Mean 0.0
Std Dev 12.00
χ² / ndf 0.0 / 0
Width 27.72 ± 3.65
Mean 75.21 ± 9.95
MPV 0.000 ± 0.000
Integral 33.91 ± 0.000

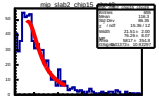

mip_slab2_chip14_chan11
Entries 1112
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0 / 0
Width 0.000 ± 0.000
Mean 0.000 ± 0.000
MPV 0.000 ± 0.000
Integral 0.000 ± 0.000

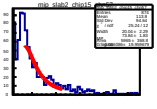

mip_slab2_chip14_chan12
Entries 1112
Mean 0.0
Std Dev 0.0
χ² / ndf 0.0 / 0
Width 0.000 ± 0.000
Mean 0.000 ± 0.000
MPV 0.000 ± 0.000
Integral 0.000 ± 0.000

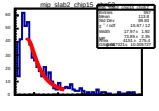

mip_slab2_chip14_chan13
Entries 1112
Mean 0.0
Std Dev 22.87
χ² / ndf 122.1 / 12
Width 29.59 ± 1.99
Mean 0.000 ± 0.000
MPV 57.79 ± 0.00 ±
Integral 34.90 ± 0.0

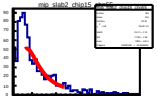

mip_slab2_chip14_chan14
Entries 1112
Mean 0.0
Std Dev 1.0
χ² / ndf 186.57 / 0
Width 20.43 ± 11.05
Mean 0.000 ± 0.000
MPV 0.000 ± 0.000
Integral 33.91 ± 0.000

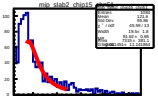

mip_slab2_chip15_chan15
Entries 1024
Mean 1.000
Std Dev 0.000
χ² / ndf 15.38 / 12
Width 21.51 ± 2.00
MPV 56.23 ± 8.12
Area 1024 ± 0.000
Prob 0.2188

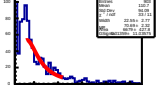

mip_slab2_chip15_chan0
Entries 1024
Mean 1.000
Std Dev 0.000
χ² / ndf 19.08 / 12
Width 23.23 ± 2.77
MPV 77.61 ± 1.98
Area 1024 ± 0.000
Prob 0.1114

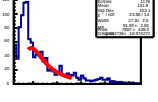

mip_slab2_chip15_chan1
Entries 1024
Mean 1.000
Std Dev 0.000
χ² / ndf 25.24 / 12
Width 20.00 ± 2.05
MPV 75.80 ± 1.93
Area 1024 ± 0.000
Prob 0.0488

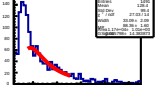

mip_slab2_chip15_chan2
Entries 1024
Mean 1.000
Std Dev 0.000
χ² / ndf 17.67 / 12
Width 25.65 ± 2.36
MPV 73.51 ± 2.03
Area 1024 ± 0.000
Prob 0.1251

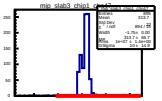

mip_slab2_chip15_chan3
Entries 1024
Mean 1.000
Std Dev 0.000
χ² / ndf 19.54 / 12
Width 33.42 ± 3.18
MPV 90.67 ± 3.38
Area 1024 ± 0.000
Prob 0.0761

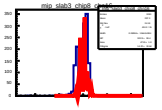

mip_slab2_chip15_chan4
Entries 1024
Mean 1.000
Std Dev 0.000
χ² / ndf 19.54 / 12
Width 33.42 ± 3.18
MPV 90.67 ± 3.38
Area 1024 ± 0.000
Prob 0.0761

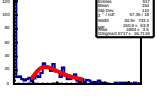

mip_slab2_chip15_chan5
Entries 1024
Mean 1.000
Std Dev 0.000
χ² / ndf 33.71 / 12
Width 22.69 ± 2.77
MPV 60.91 ± 2.73
Area 1024 ± 0.000
Prob 0.0006

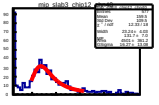

mip_slab2_chip15_chan6
Entries 1024
Mean 1.000
Std Dev 0.000
χ² / ndf 23.88 / 12
Width 27.84 ± 2.6
MPV 79.87 ± 2.13
Area 1024 ± 0.000
Prob 0.0123

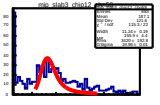

mip_slab2_chip15_chan7
Entries 1024
Mean 1.000
Std Dev 0.000
χ² / ndf 27.03 / 12
Width 39.69 ± 3.99
MPV 105.1 ± 4.29
Area 1024 ± 0.000
Prob 0.0075

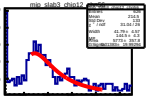

mip_slab3_chist_chan25
Entries 3000
Mean 3.00
Std Dev
x / ndf 0.0 / 0
Width 0.17ns 0.0
Area 3000.0
Mean 3.00±0.0 1.0±0.0
Sigma 0.0±0.0
300
200
150
100
50
0

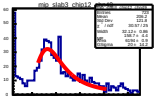

msp_slab3_chip8_chip5
350
300
250
200
150
100
50
0
Entries 1000
Mean 0.01
RMS 0.018
χ² / ndf 2047 / 50
Prob 0
Constant 1.000e+03
Mean 0.0000
Sigma 0.0000
Constant 1.000e+03
Mean 0.0000
Sigma 0.0000

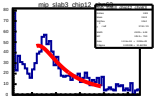

mip_slab3_chip12_chan15

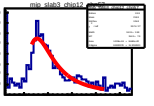

mip_slab3_chip12_chan0

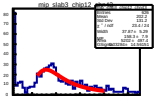

mip_slab3_chip12_chan1


mip_slab3_chip12_chan2


mip_slab3_chip12_chan3


mip_slab3_chip12_chan4


mip_slab3_chip12_chan5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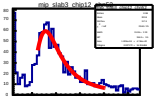
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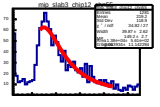
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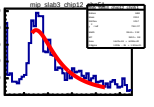
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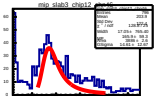
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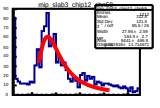
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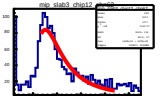
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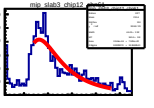
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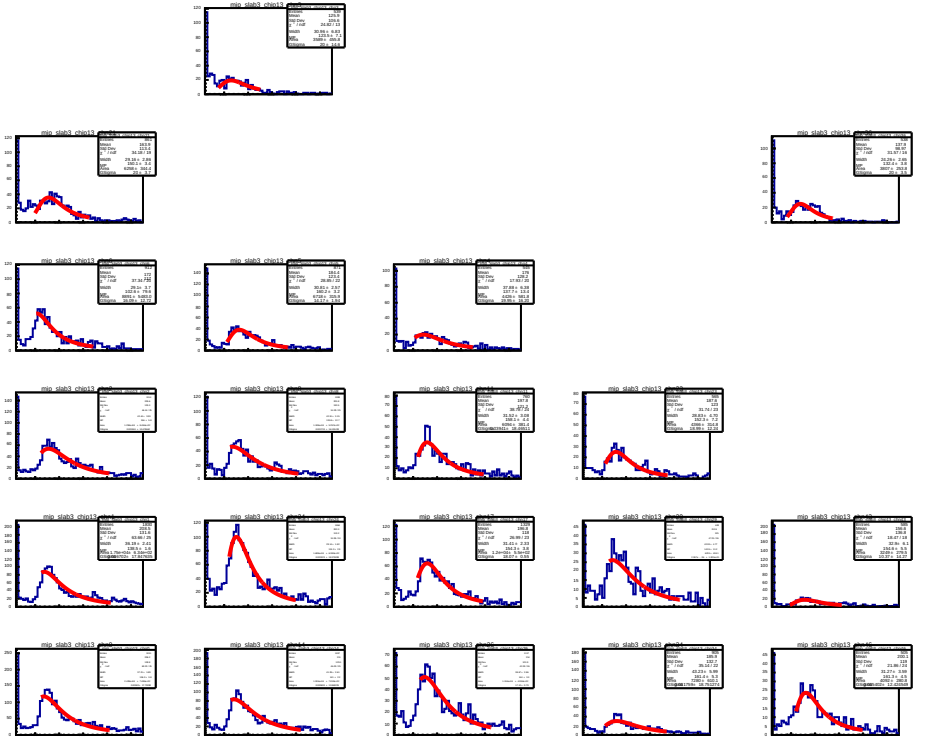
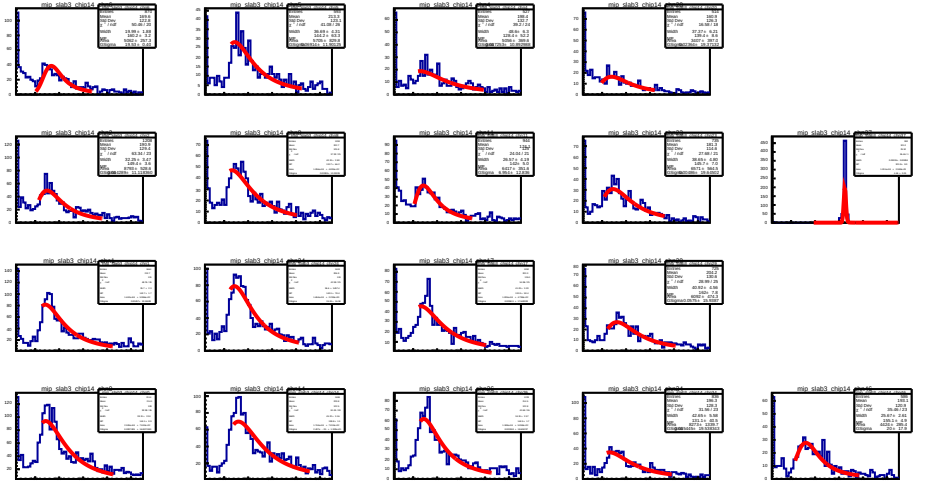
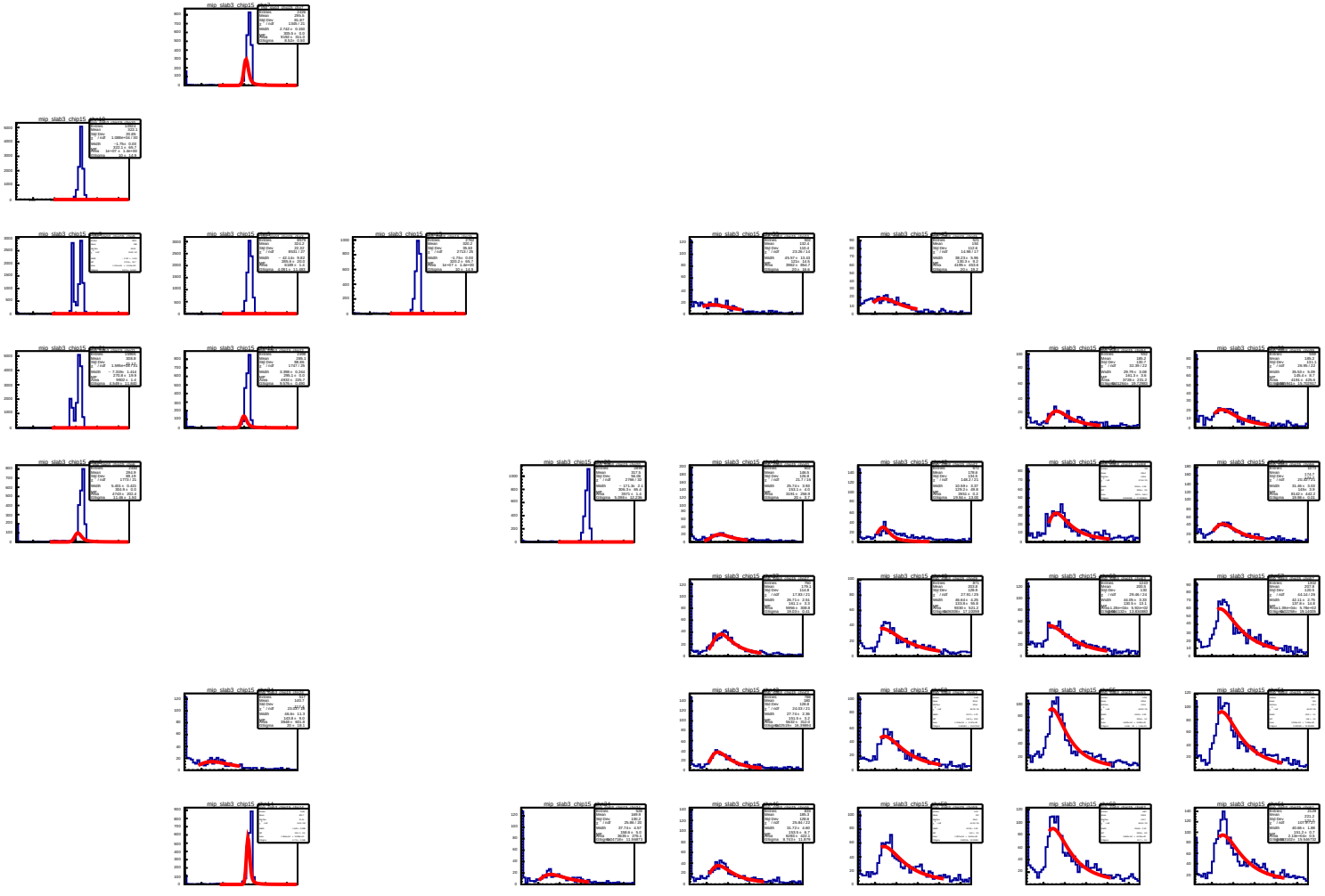
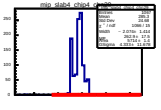
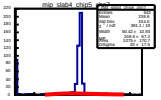
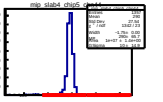


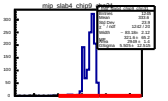


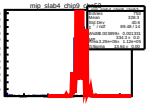


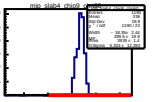

mip slab4 chip4 chan20
Entries 2000
Mean 2.57
Std Dev 20.48
χ / ndf 2.57 / 1
p0 2.570 ± 0.458
p1 2623.6 ± 22.6
Mean 2.570 ± 0.458
Sigma 20.47 ± 0.32
250
200
150
100
50
0

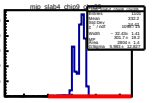

mip slab4 chip5 chan2
Entries 1000
Mean 1502
Std Dev 151.5
χ² / ndf 281.1 / 15
Width 10.42 ± 10.22
Mean 1500 ± 0.5
Sigma 2.011 ± 0.7
Integral 200 ± 14.1

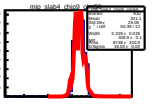

mip slab4 chip5 chan4
Entries 1000
Mean 1502
Std Dev 7.96
χ² / ndf 1347 / 13
Width 0.80 ± 0.80
Mean 1.0 ± 0.0
Sigma 1e+07 ± 1.2e+02
Integral 10 ± 3.2

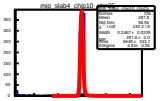

mip_slab4_chip2_stack1

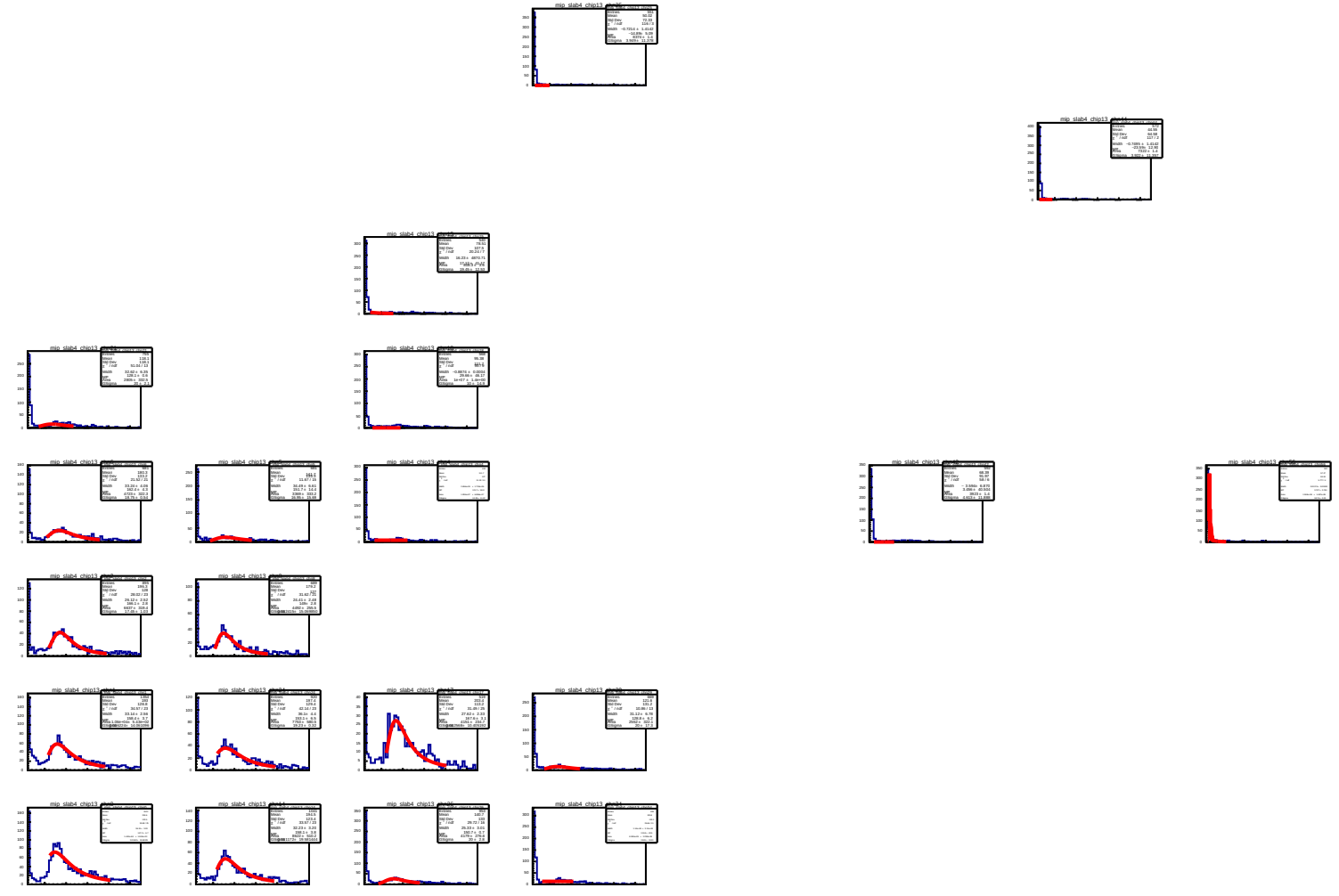
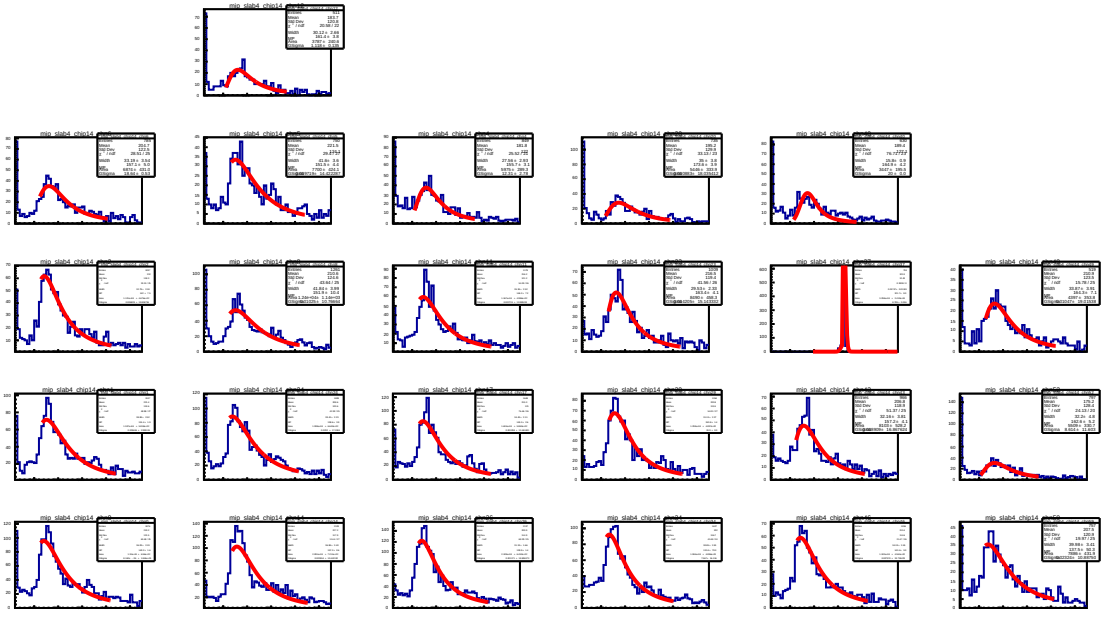
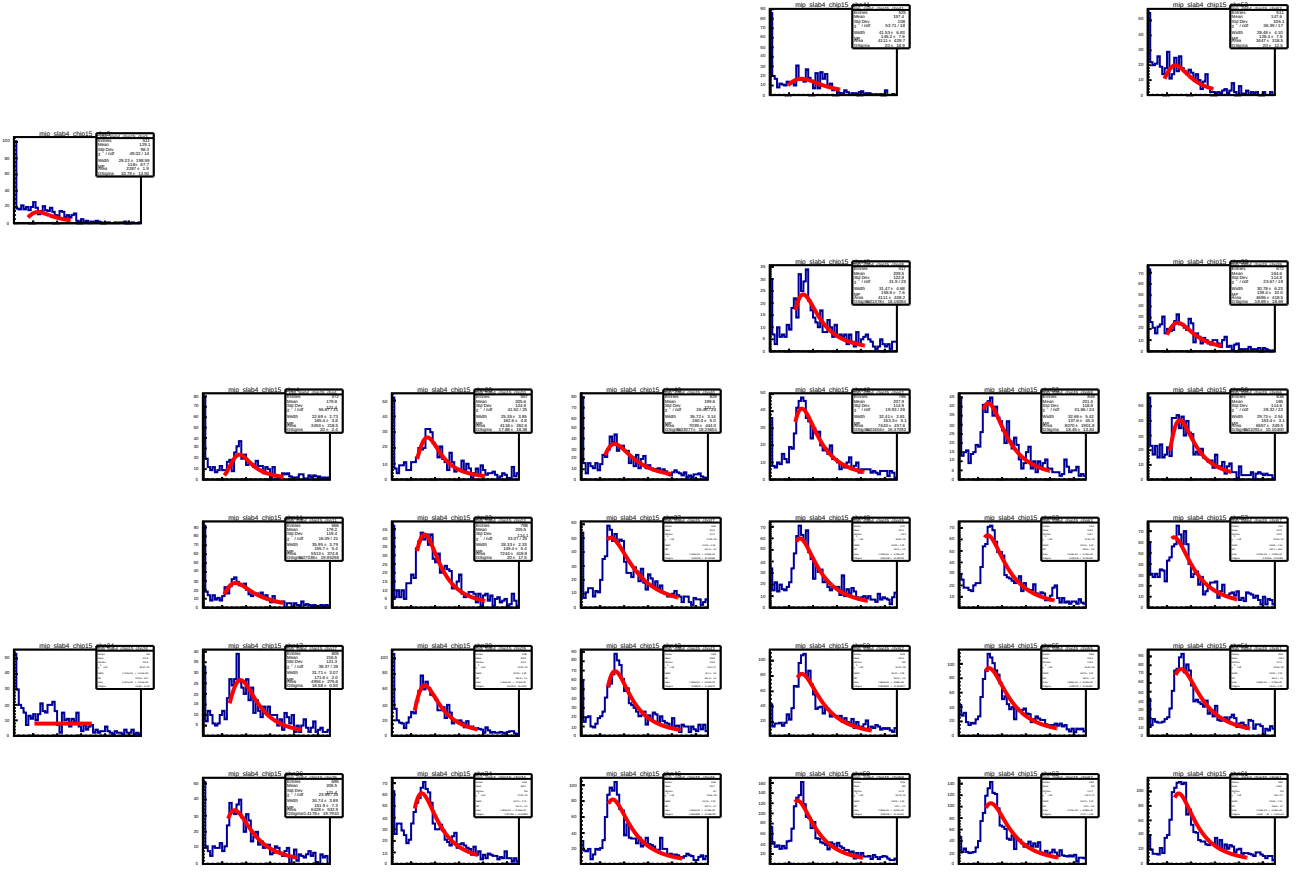

mip_slab4_chip2_stack2


mip_slab4_chip2_stack3


mip_slab4_chip2_stack4


mip_slab4_chip2_stack5


mip_slab4_chm10_mc_05
Entries 2000
Mean 28.12
Std Dev 16.16
χ² / ndf 120.2 / 6
Width 0.2187 ± 0.0120
Mpv 28.00 ± 0.01
Area 5420 ± 14.7
Sigma 0.0000 ± 0.0000
350
300
250
200
150
100
50
0


mip_slab4_chip13
mip_slab4_chip13
mip_slab4_chip13