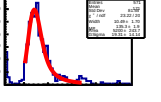
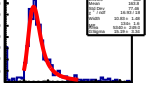
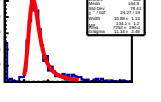
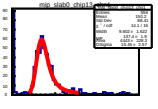
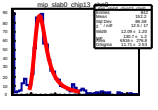
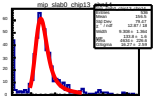

mip_slab0_chip12_chan56
Entries 1024
Mean 2.74
Std Dev 2.787
χ² / ndf 2.7 / 4
Width 10.49 ± 1.19
MPV 139.3 ± 5.9
Integral 10.01 ± 0.11

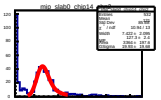

mip_slab0_chip12_chan55
Entries 1024
Mean 2.62
Std Dev 2.787
χ² / ndf 16.9 / 13
Width 10.85 ± 1.49
MPV 139.1 ± 6.6
Integral 10.00 ± 0.13

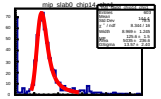

mip_slab0_chip12_chan54
Entries 1024
Mean 2.62
Std Dev 2.787
χ² / ndf 21.27 / 13
Width 10.99 ± 1.16
MPV 139.1 ± 5.7
Integral 10.04 ± 0.12

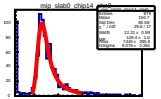

mip_slab0_chip13_chan4
Entries 1000
Mean 59.17
Std Dev 88.41
χ² / ndf 14.23 / 7
Prob 0.0
MPV 137.4 ± 1.9
Width 9.802 ± 1.610
Integral 19.91 ± 23.2

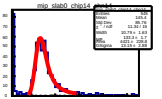

mip_slab0_chip13_chan5
Entries 1000
Mean 39.22
Std Dev 12.57
χ² / ndf 12.51 / 10
Prob 0.2
Width 13.09 ± 1.21
MPV 39.57 ± 0.51
Integral 15.71 ± 0.5

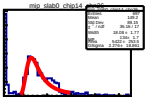

mip_slab0_chip13_chan14
Entries 1000
Mean 39.17
Std Dev 12.87
χ² / ndf 12.87 / 10
Prob 0.2
Width 9.309 ± 1.354
MPV 39.57 ± 0.51
Integral 15.01 ± 0.5
Sigma 39.57 ± 0.5

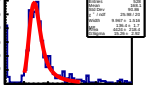

mip_slab0_chip14_chan0
Entries 132
Mean x 10.61
Mean y 10.61
Std Dev x 10.61 1.0
Std Dev y 10.61 1.0
χ² / ndf 7.221 / 2.094
Constant 127.0 ± 2.4
Mean 10.61 ± 0.08
Sigma 10.61 ± 0.08

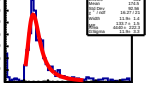

mip_slab0_chip14_chan1
Entries 1000
Mean x 9.61
Mean y 9.61
Std Dev x 8.36 1.0
Std Dev y 8.36 1.0
χ² / ndf 0.909 / 1.336
Constant 326.6 ± 3.5
Mean 9.61 ± 0.03
Sigma 13.57 ± 0.03

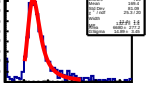

mip_slab0_chip14_chan2
Entries 1000
Mean x 10.17
Mean y 10.17
Std Dev x 29.8 1.0
Std Dev y 29.8 1.0
χ² / ndf 13.25 / 0.99
Constant 1.000 ± 0.01
Mean 1.000 ± 0.01
Sigma 0.076 ± 0.01

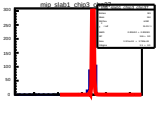

mip_slab0_chip14_chan3
Entries 1000
Mean x 10.17
Mean y 10.17
Std Dev x 11.33 1.0
Std Dev y 11.33 1.0
χ² / ndf 10.79 / 1.13
Constant 1.000 ± 0.01
Mean 4.027 ± 0.01
Sigma 15.54 ± 0.01


mip_slab0_chip14_chan4
Entries 1000
Mean x 10.17
Mean y 10.17
Std Dev x 36.18 1.0
Std Dev y 36.18 1.0
χ² / ndf 18.09 / 1.77
Constant 1.000 ± 0.01
Mean 5.027 ± 0.01
Sigma 2.579 ± 0.01


mip slab0 chip15 chn56
Entries 2000
Mean 26.5
Std Dev 10.06
χ² / ndf 16.77 / 13
Width 0.967+- 0.149
MPV 138.4 +- 3.7
Integral 22.04 +- 0.67


mip slab0 chip15 chn55
Entries 1000
Mean 33.16
Std Dev 8.07
χ² / ndf 16.27 / 13
Width 13.91 +- 1.4
MPV 63.01 +- 2.7
Integral 31.90 +- 0.7


mip slab0 chip15 chn54
Entries 1000
Mean 24.9
Std Dev 9.07
χ² / ndf 26.5 / 15
Width 12.81 +- 1.6
MPV 139.7 +- 4.7
Integral 31.90 +- 0.7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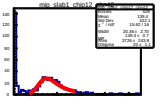
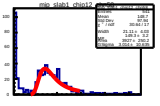
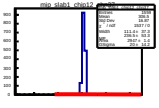
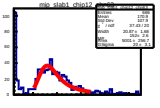
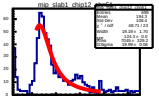
150
100
50
0
Statistics panel
Name mip
Title mip
Entries 1
Mean 0.0000
RMS 0.0000
Underflow 0
Overflow 0
Integral 1.0000e+00
Skewness 0.0000
Kurtosis 0.0000
Minimum 0.0000
Maximum 0.0000

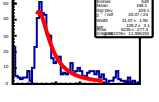

mip slab1 chip12 chan52
Entries 1352
Mean 152.2
Std Dev 19.62
χ² / ndf 1012 / 1
Width 20.28 ± 0.75
Area 7.24 ± 0.04
MPV 37.06 ± 2.63
Sigma 2.4 ± 0.1

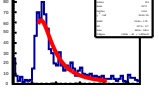

mip slab1 chip12 chan53
Entries 1357
Mean 157.4
Std Dev 30.62
χ² / ndf 1 / 1
Width 71.51 ± 4.03
Area 0.01 ± 0.00
MPV 1.0127 ± 0.0012
Sigma 1.0127 ± 0.0012

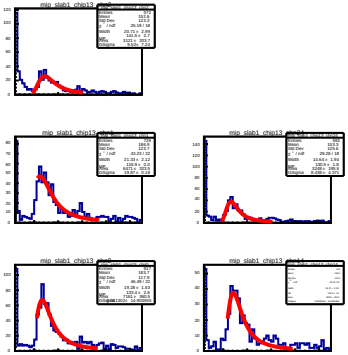

mip slab1 chip12 chan51
Entries 1354
Mean 351.9
Std Dev 2027.0
χ² / ndf 1
Width 111.41 ± 37.0
Area 236.94 ± 51.0
MPV 2027 ± 0.0
Sigma 2027 ± 0.0


mip slab1 chip12 chan54
Entries 1354
Mean 157.5
Std Dev 37.43
χ² / ndf 1
Width 23.87 ± 1.08
Area 34.0 ± 2.0
MPV 37.43 ± 0.00
Sigma 9.4 ± 0.1


mip slab1 chip12 chan55
Entries 1352
Mean 152.2
Std Dev 19.62
χ² / ndf 1
Width 15.18 ± 1.15
Area 1324.3 ± 0.0
MPV 19.62 ± 0.00
Sigma 19.62 ± 0.00


mip slab1 chip12 chan56
Entries 1357
Mean 157.4
Std Dev 30.62
χ² / ndf 1
Width 23.87 ± 1.08
Area 34.0 ± 2.0
MPV 45.07 ± 7.8
Sigma 11.4 ± 0.0


mip slab1 chip12 chan57
Entries 1354
Mean 157.5
Std Dev 37.43
χ² / ndf 1
Width 23.87 ± 1.08
Area 34.0 ± 2.0
MPV 37.43 ± 0.00
Sigma 9.4 ± 0.1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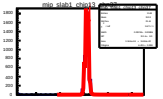
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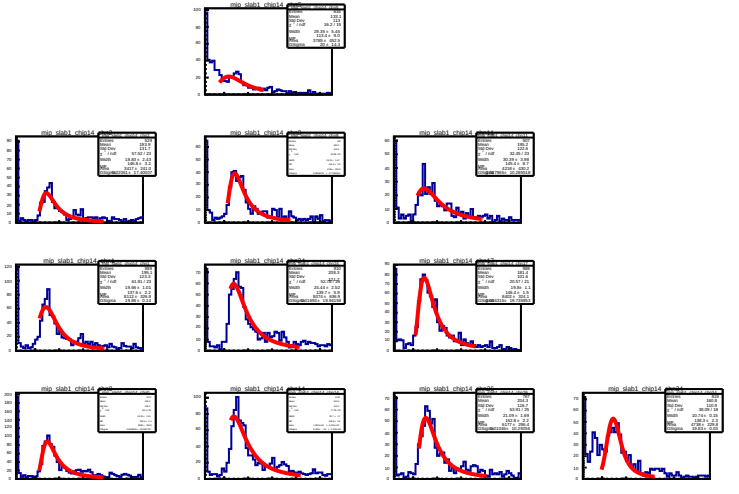
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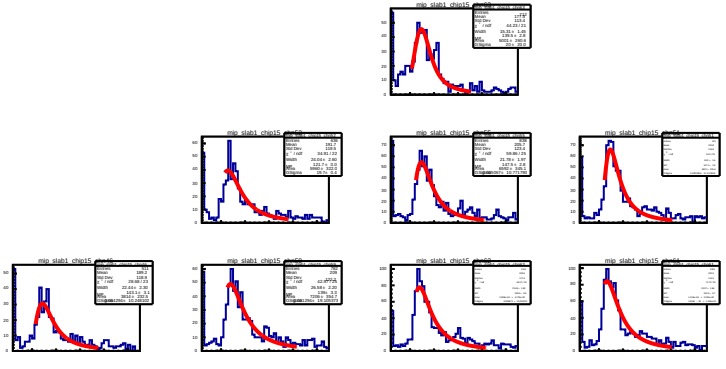
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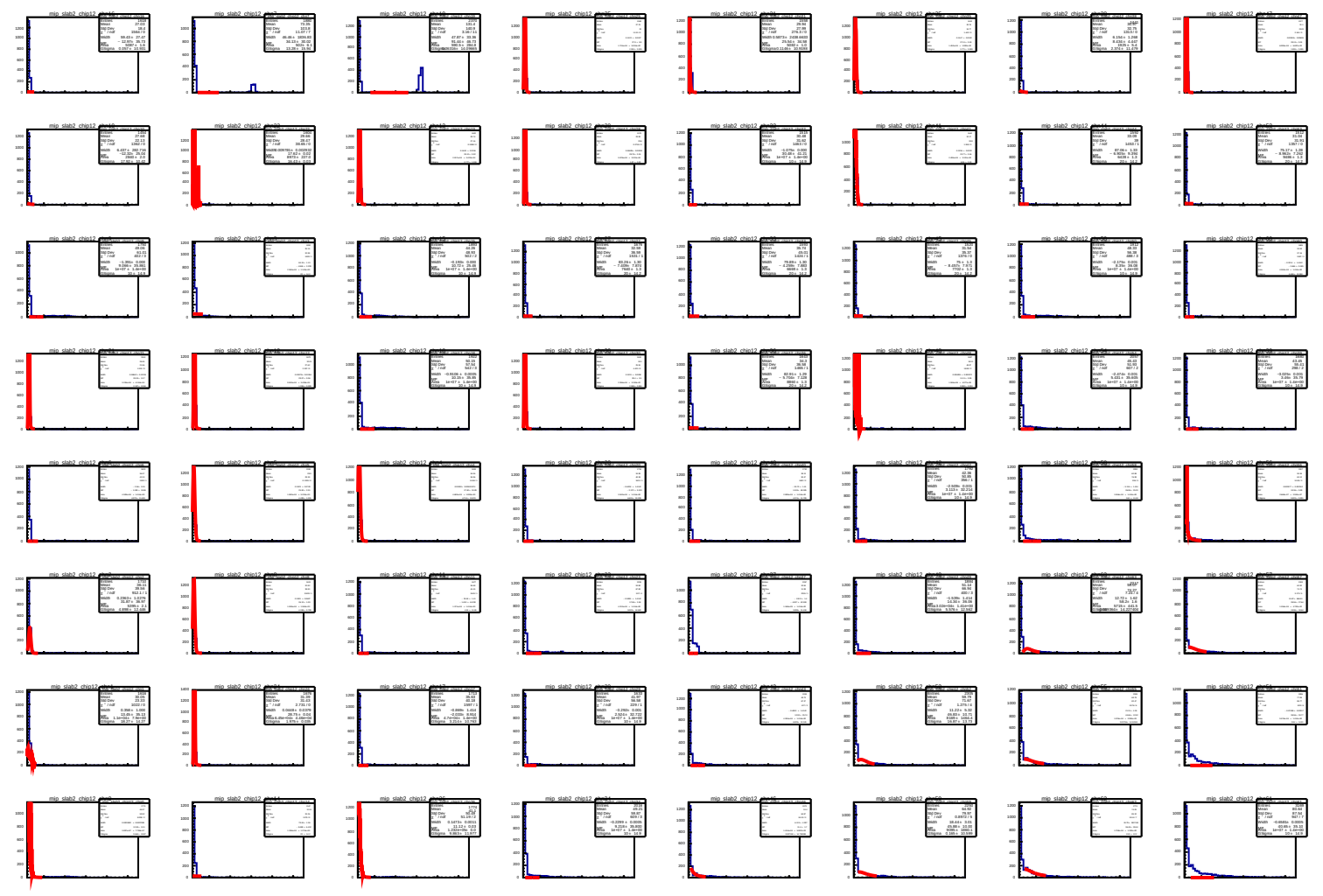

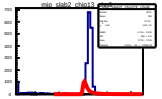
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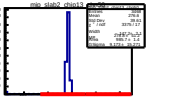
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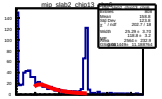
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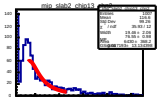
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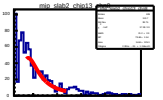
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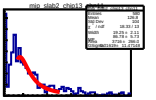
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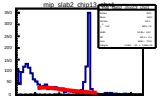
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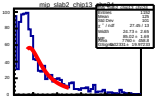
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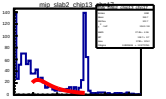
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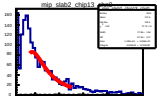
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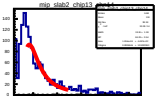
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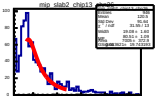
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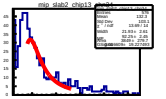
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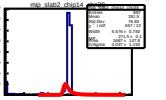
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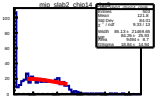
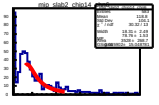
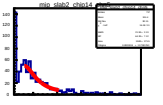

mip slab2 chip14


mip slab2 chip14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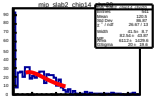
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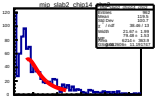
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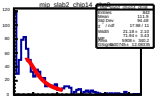
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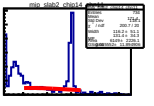
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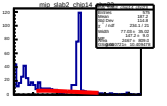
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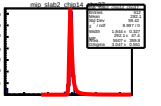
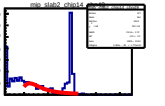

mip slab2 chip14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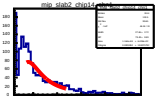
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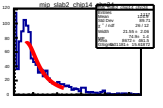
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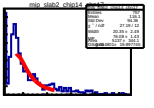
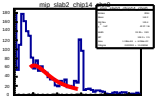
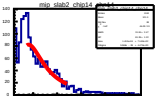
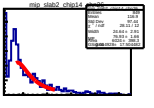
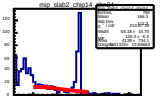
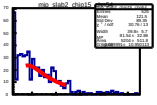

mip slab2 chip14

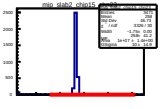

mip slab2 chip14

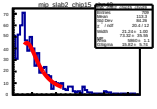

mip slab2 chip14

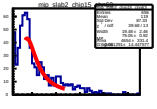

mip slab2 chip14

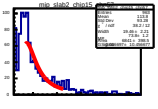

mip slab2 chip14

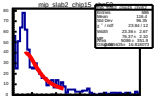

mip_slab2_chip15_chan32
Entries 1214
Mean 17.12
Std Dev 20.55
χ² / ndf 20.81 / 13
Prob 0.0
Constant 41.50 ± 12.08
Mean 0.0002 ± 5.01 E
Sigma 0.0001 ± 1.27 E

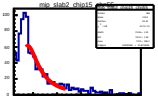

mip_slab2_chip15_chan33
Entries 1214
Mean 14.77
Std Dev 14.77
χ² / ndf 3336 / 16
Prob 0.0
Constant -1.7e- 0.01
Mean 21.2
Sigma 0.0 ± 0.0 E

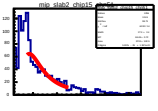

mip_slab2_chip15_chan34
Entries 1214
Mean 14.77
Std Dev 14.77
χ² / ndf 20.4 / 12
Prob 0.0
Constant 21.2 ± 2.01
Mean 73.32 ± 26.59
Sigma 0.0 ± 0.0 E

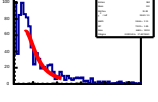

mip_slab2_chip15_chan35
Entries 1214
Mean 14.77
Std Dev 14.77
χ² / ndf 29.48 / 13
Prob 0.0
Constant 29.48 ± 2.65
Mean 79.06 ± 0.60
Sigma 0.0 ± 0.0 E

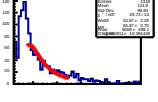

mip_slab2_chip15_chan36
Entries 1214
Mean 14.77
Std Dev 14.77
χ² / ndf 38.2 / 12
Prob 0.0
Constant 39.85 ± 2.71
Mean 73.8e- 1.1
Sigma 0.0 ± 0.0 E

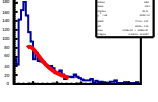

mip_slab2_chip15_chan37
Entries 1214
Mean 14.77
Std Dev 14.77
χ² / ndf 33.84 / 13
Prob 0.0
Constant 76.57 ± 2.16
Mean 79.93 ± 0.0001
Sigma 0.0 ± 0.0 E

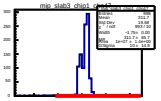

mip_slab2_chip15_chan38
Entries 1214
Mean 14.77
Std Dev 14.77
χ² / ndf 0.0 / 0
Prob 0.0
Constant 0.0 ± 0.0
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0

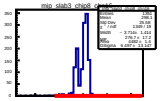

mip_slab2_chip15_chan39
Entries 1214
Mean 14.77
Std Dev 14.77
χ² / ndf 0.0 / 0
Prob 0.0
Constant 0.0 ± 0.0
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0

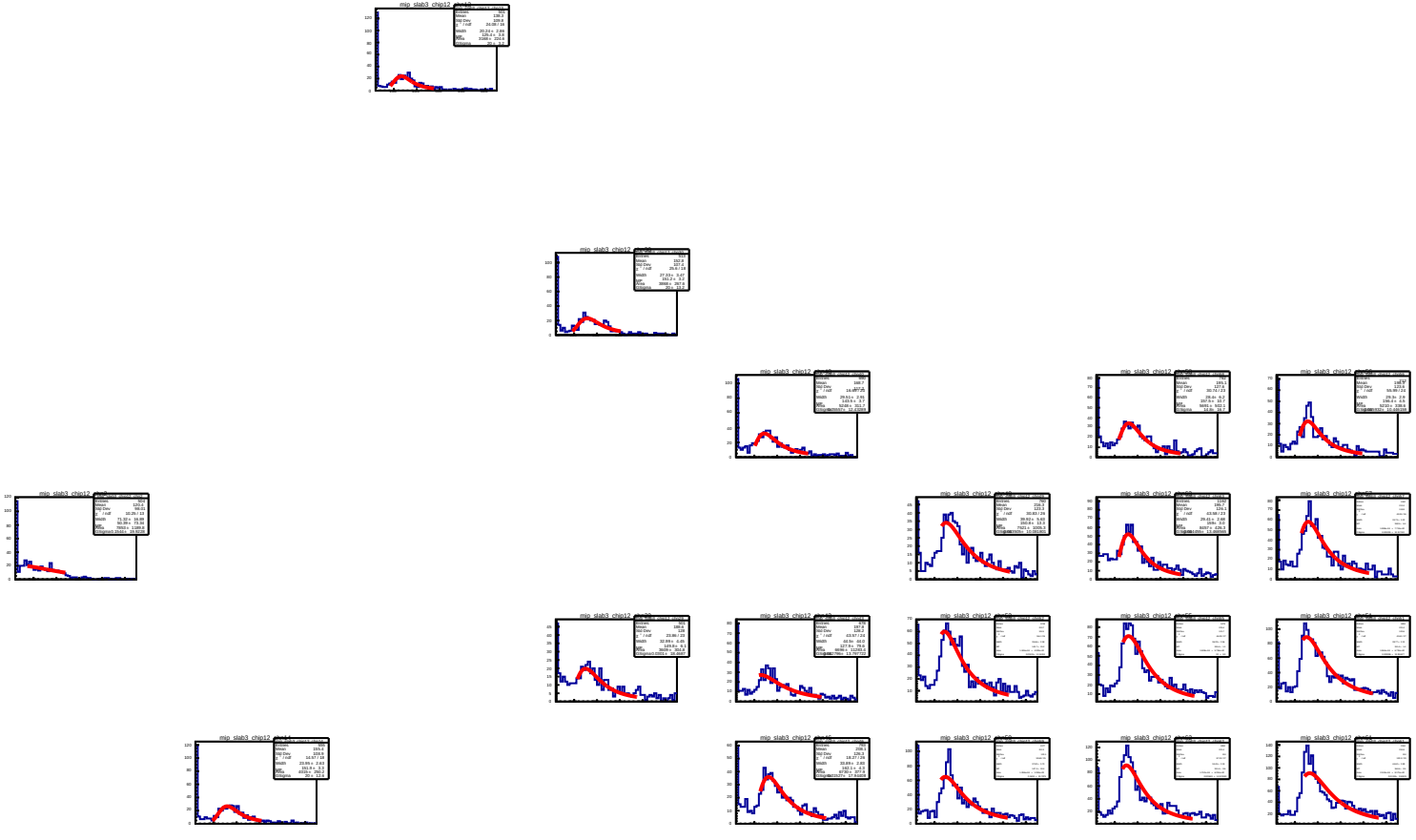

mip_slab2_chip15_chan40
Entries 1214
Mean 14.77
Std Dev 14.77
χ² / ndf 0.0 / 0
Prob 0.0
Constant 0.0 ± 0.0
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0


mip_slab2_chip15_chan41
Entries 1214
Mean 14.77
Std Dev 14.77
χ² / ndf 49.73 / 13
Prob 0.0
Constant 24.87 ± 2.26
Mean 80.01 ± 0.0001
Sigma 0.0001 ± 0.0001
Constant ± 10.00 0.00


mip_slab2_chip15_chan42
Entries 1214
Mean 14.77
Std Dev 14.77
χ² / ndf 0.0 / 0
Prob 0.0
Constant 0.0 ± 0.0
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0


mip_slab3_chip1_chan3
Entries 1000
Mean 15.02
Std Dev 19.16
χ² / ndf 893.2 / 28
Width 14.79 ± 0.42
Sigma 1.000 ± 0.000
MPV 14.77 ± 1.04
Integral 14.1 ± 0.0
300
250
200
150
100
50
0


msp_slab3_chip8_strip5
Statistics on memory
Entries 1024
Mean 24.1
RMS 29.68
Underflow 0
Overflow 0
Integral 1024.
Skewness 0.6973 ± 0.122
350
300
250
200
150
100
50
0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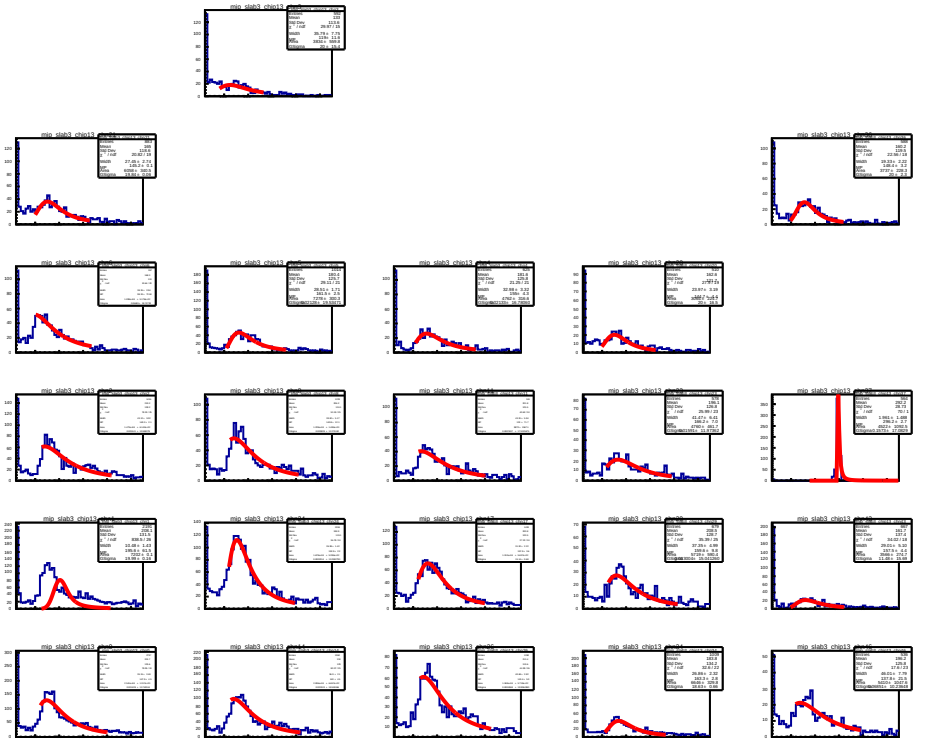
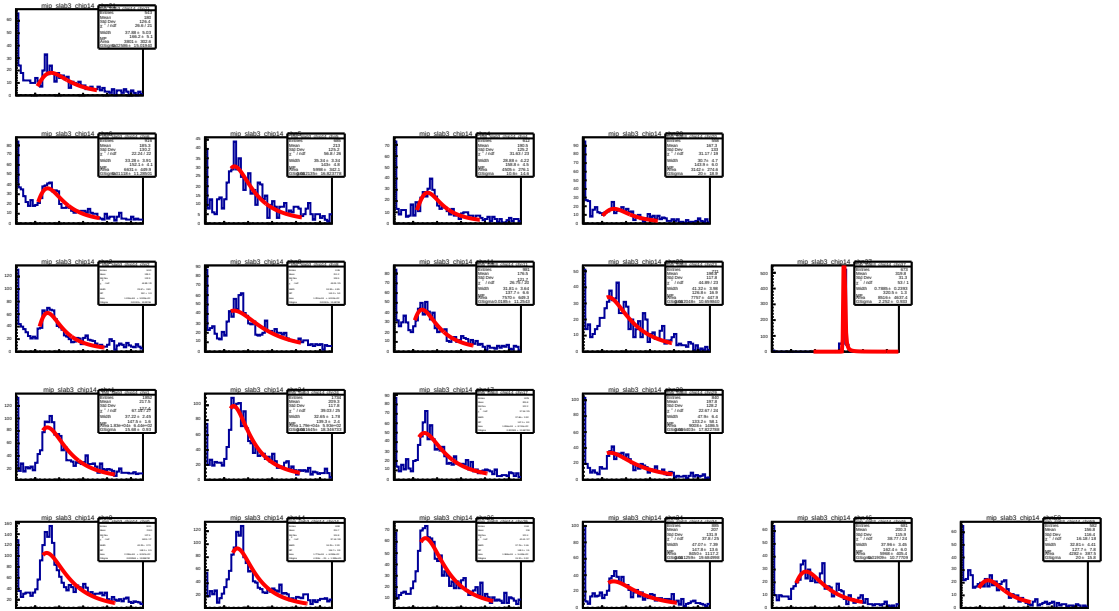
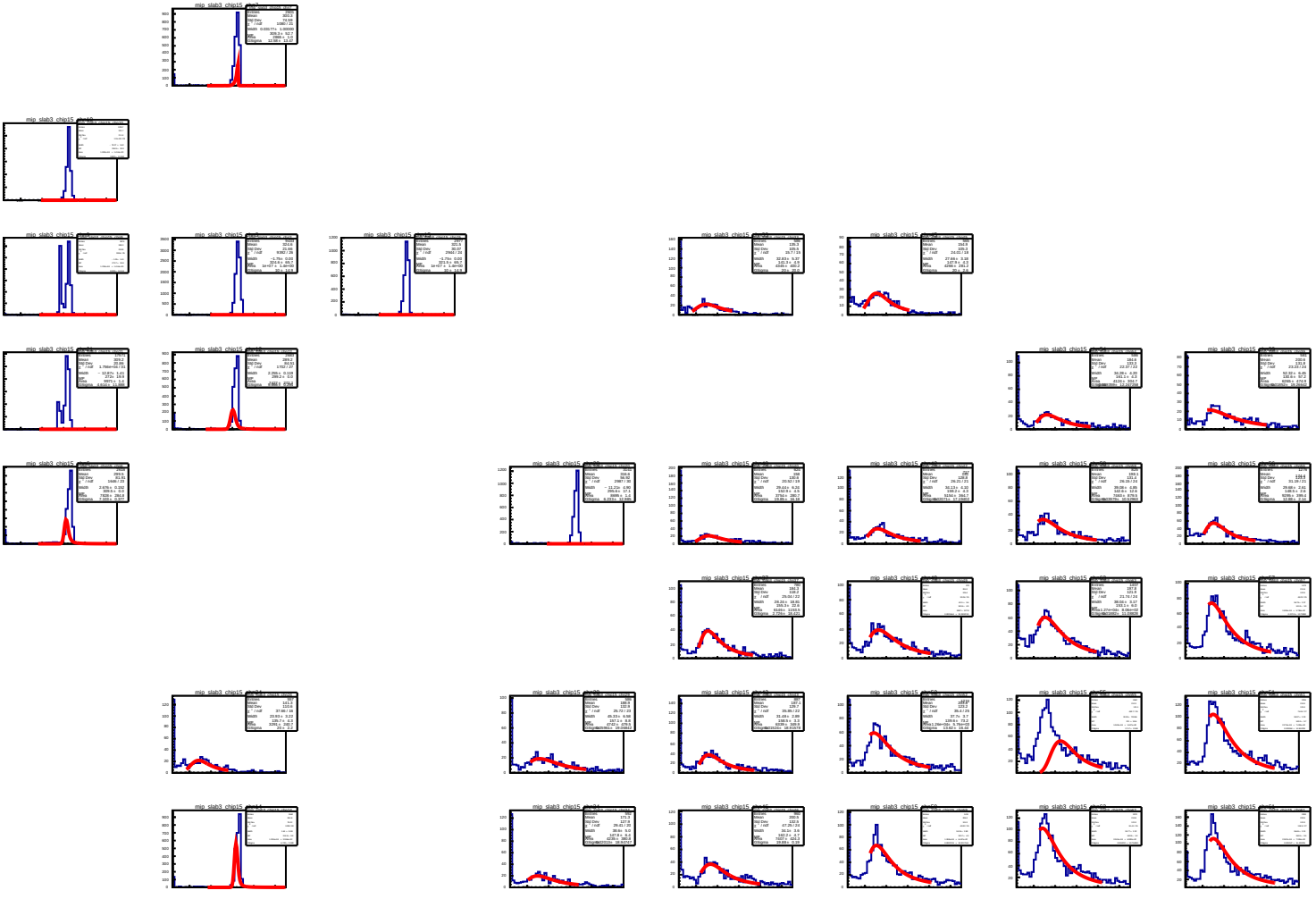
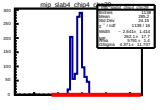
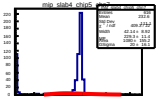
mip_slab3_chip12
mip_slab3_chip12

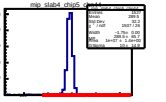


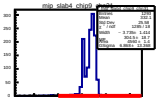

mip slab3 chip14
Mean 184.9
Std Dev 29.52
χ² / ndf 229.2 / 9
Width 37.66 ± 9.23
MPV 159.3 ± 5.3
Integral 5931 ± 362.0
mip slab3 chip14
Mean 192.1
Std Dev 22.62
χ² / ndf 1277.0 / 9
Width 31.08 ± 9.51
MPV 154.1 ± 3.8
Integral 5251 ± 320.9
mip slab3 chip14
Mean 212
Std Dev 56.8
χ² / ndf 1277.0 / 9
Width 35.31 ± 9.23
MPV 159.3 ± 5.3
Integral 5931 ± 362.0
mip slab3 chip14
Mean 190.2
Std Dev 31.63
χ² / ndf 1277.0 / 9
Width 38.68 ± 9.23
MPV 159.3 ± 5.3
Integral 5931 ± 362.0
mip slab3 chip14
Mean 191.0
Std Dev 31.17
χ² / ndf 1277.0 / 9
Width 38.25 ± 9.23
MPV 159.3 ± 5.3
Integral 5931 ± 362.0
mip slab3 chip14
Mean 179.5
Std Dev 27.0
χ² / ndf 1277.0 / 9
Width 33.21 ± 9.23
MPV 159.3 ± 5.3
Integral 5931 ± 362.0
mip slab3 chip14
Mean 179.5
Std Dev 27.0
χ² / ndf 1277.0 / 9
Width 33.21 ± 9.23
MPV 159.3 ± 5.3
Integral 5931 ± 362.0
mip slab3 chip14
Mean 179.5
Std Dev 27.0
χ² / ndf 1277.0 / 9
Width 33.21 ± 9.23
MPV 159.3 ± 5.3
Integral 5931 ± 362.0
mip slab3 chip14
Mean 1447.0
Std Dev 1447.0
χ² / ndf 1277.0 / 9
Width 41.21 ± 3.76
MPV 1263.9 ± 16.9
Integral 1.0e+06 ± 1.0e+05
mip slab3 chip14
Mean 1.0
Std Dev 0.0
χ² / ndf 1.0 / 1
Width 0.7885 ± 0.2202
MPV 0.0 ± 1.0
Integral 2.000 ± 0.000
mip slab3 chip14
Mean 117.0
Std Dev 117.0
χ² / ndf 67.0 / 9
Width 37.21 ± 3.23
MPV 127.0 ± 1.0
Integral 1.13e+05 ± 2.0e+04
mip slab3 chip14
Mean 117.0
Std Dev 117.0
χ² / ndf 67.0 / 9
Width 32.65 ± 3.79
MPV 126.0 ± 2.0
Integral 1.13e+05 ± 2.0e+04
mip slab3 chip14
Mean 1427.0
Std Dev 1427.0
χ² / ndf 67.0 / 9
Width 41.21 ± 3.76
MPV 1263.9 ± 16.9
Integral 1.0e+06 ± 1.0e+05
mip slab3 chip14
Mean 1427.0
Std Dev 1427.0
χ² / ndf 67.0 / 9
Width 41.21 ± 3.76
MPV 1263.9 ± 16.9
Integral 1.0e+06 ± 1.0e+05
mip slab3 chip14
Mean 1427.0
Std Dev 1427.0
χ² / ndf 67.0 / 9
Width 41.21 ± 3.76
MPV 1263.9 ± 16.9
Integral 1.0e+06 ± 1.0e+05
mip slab3 chip14
Mean 1427.0
Std Dev 1427.0
χ² / ndf 67.0 / 9
Width 41.21 ± 3.76
MPV 1263.9 ± 16.9
Integral 1.0e+06 ± 1.0e+05
mip slab3 chip14
Mean 131.0
Std Dev 131.0
χ² / ndf 37.0 / 9
Width 37.66 ± 3.45
MPV 127.0 ± 1.0
Integral 6800 ± 325.0
mip slab3 chip14
Mean 131.0
Std Dev 131.0
χ² / ndf 37.0 / 9
Width 37.66 ± 3.45
MPV 127.0 ± 1.0
Integral 6800 ± 325.0
mip slab3 chip14
Mean 131.0
Std Dev 131.0
χ² / ndf 37.0 / 9
Width 37.66 ± 3.45
MPV 127.0 ± 1.0
Integral 6800 ± 325.0
mip slab3 chip14
Mean 131.0
Std Dev 131.0
χ² / ndf 37.0 / 9
Width 37.66 ± 3.45
MPV 127.0 ± 1.0
Integral 6800 ± 325.0
mip slab3 chip14
Mean 131.0
Std Dev 131.0
χ² / ndf 37.0 / 9
Width 37.66 ± 3.45
MPV 127.0 ± 1.0
Integral 6800 ± 325.0
mip slab3 chip14
Mean 130.0
Std Dev 130.0
χ² / ndf 14.0 / 9
Width 32.65 ± 4.21
MPV 126.0 ± 2.0
Integral 4.0e+04 ± 3.0e+03

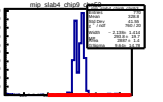


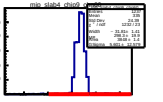

mip slab4 cpb4 ztw20
Entries 3000
Mean 262.4
Std Dev 20.16
χ / ndf 1.08 / 1
p1 2.632± 3.416
p2 262.0± 12.4
p3 0.2175± 0.327
Integral 4.372e+ 03
300
250
200
150
100
50
0

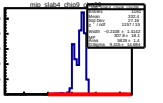

mip slab4 chip5 chan2
Entries 2000
Mean 2.712
Std Dev 0.1 / 0.08
χ2 / ndf 32.54 / 8.12
Width 0.0 ± 0.2
Mean 2.712 ± 0.0
Integral 200 ± 0.0

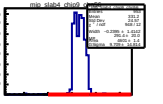

mip slab4 chip5 chan4
Entries 2000
Mean 2.661
Std Dev 0.1 / 0.08
χ2 / ndf 1507 / 18
Width 0.0 ± 0.0
Mean 2.661 ± 0.0
Integral 1.4e+07 ± 1.4e+02

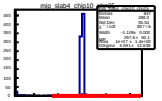

mip_slab4_chip2_chan24
Entries 1024
Mean 3.773
Std Dev 29.68
χ² / ndf 1291 / 19
Width - 3.773± 1.414
Area 1024 ± 32
MPV 2.843 ± 1.4
Sigma 4.665± 2.335


mip_slab4_chip2_chan25
Entries 1024
Mean 3.168
Std Dev 29.68
χ² / ndf 943 / 19
Width - 2.139± 1.414
Area 1024 ± 32
MPV 2.843 ± 1.4
Sigma 4.665± 2.335


mip_slab4_chip2_chan26
Entries 1024
Mean 2.06
Std Dev 12.07
χ² / ndf 1127 / 19
Width - 31.65± 1.41
Area 1024 ± 32
MPV 28.8 ± 1.4
Sigma 5.931± 2.335


mip_slab4_chip2_chan27
Entries 1024
Mean 2.512
Std Dev 27.14
χ² / ndf 1157 / 19
Width - 0.2328± 1.414
Area 1024 ± 32
MPV 5838 ± 14
Sigma 5.931± 2.335


mip_slab4_chip2_chan28
Entries 1024
Mean 2.512
Std Dev 22.57
χ² / ndf 943 / 19
Width - 0.2395± 1.414
Area 1024 ± 32
MPV 2843 ± 14
Sigma 5.931± 2.335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Mean 2667.2
Std Dev 33.74
N / Fill 8577 0
Width -1.000e-03 0.0
Area 2.000e-03
Mean 1.4e+03 1.4e+03
Sigma 9.981e-01 1.0
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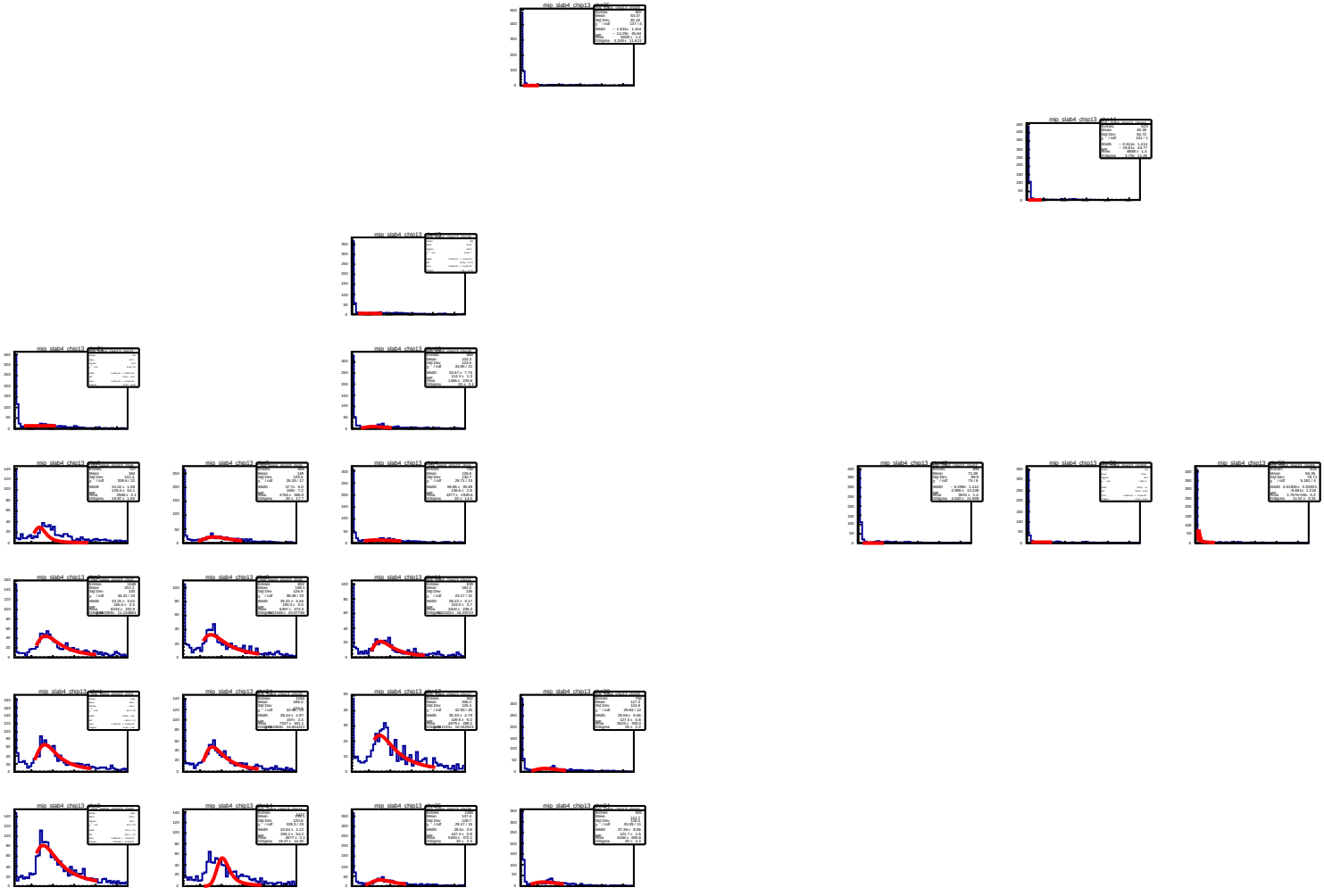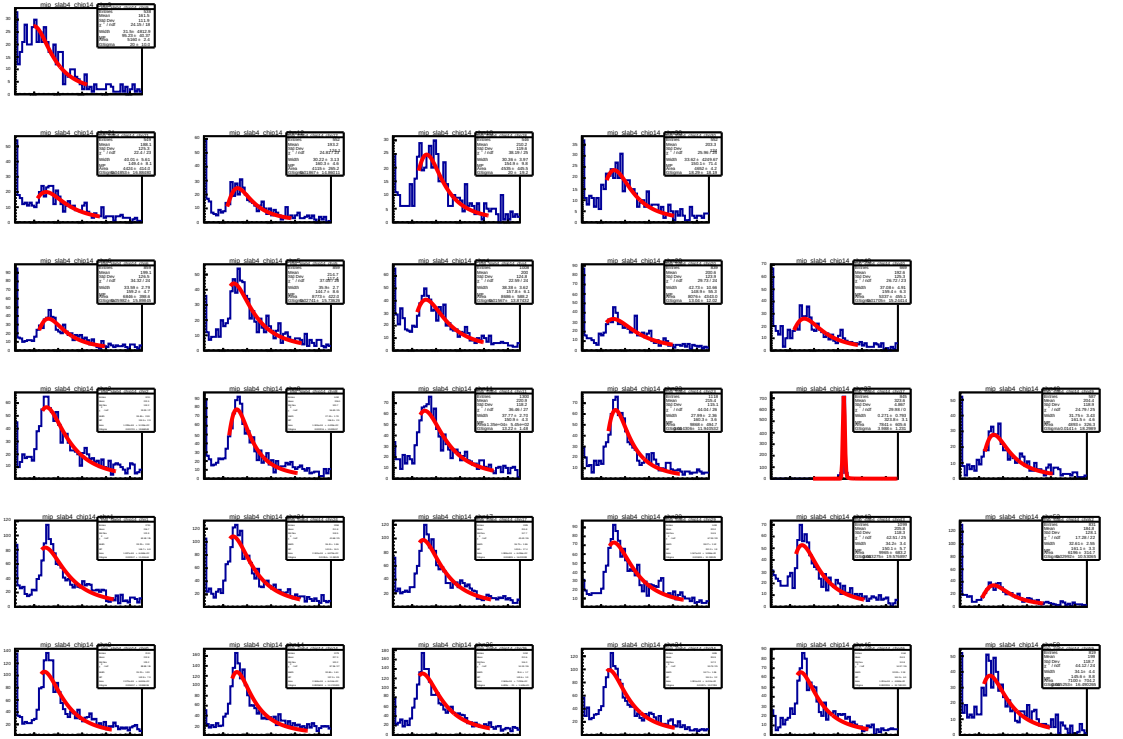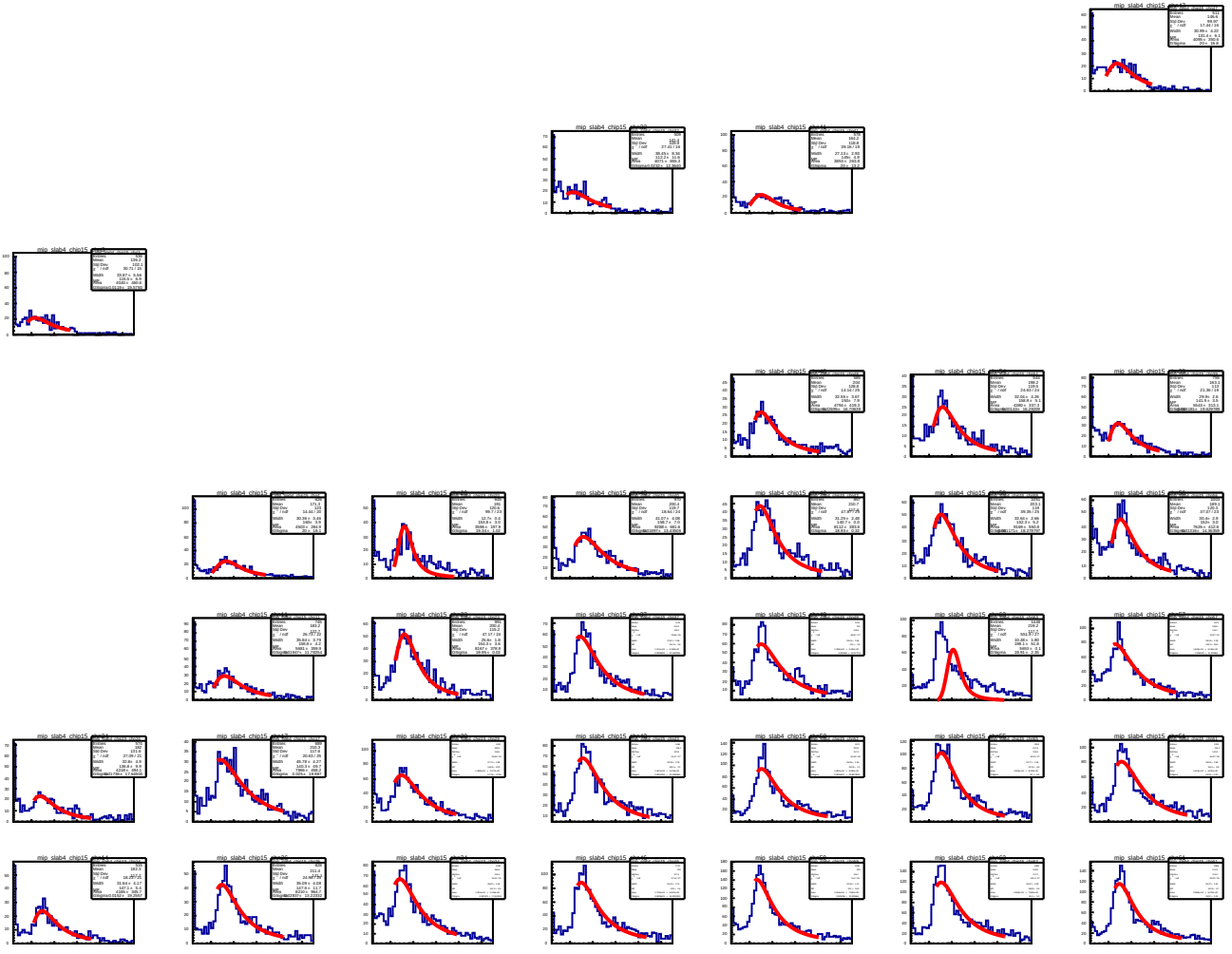
mip slab4 chip13
mip slab4 chip13
mip slab4 chip13