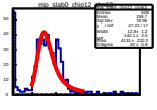
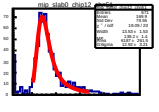
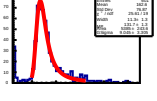
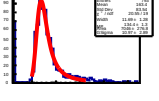
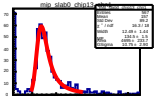
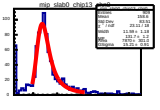

mip_slab0_chip12_chan30
Entries 1000
Mean 16.47
Std Dev 7.16
χ² / ndf 47.20 / 17
Width 12.8± 1.2
MPV 102.2 ± 2.6
Area 11.10 ± 0.02
Sigma 0.70 ± 0.02

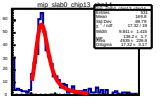

mip_slab0_chip12_chan56
Entries 1000
Mean 16.17
Std Dev 7.16
χ² / ndf 29.61 / 19
Width 13.5± 1.5
MPV 130.2 ± 3.4
Area 12.07 ± 0.03
Sigma 0.67 ± 0.03

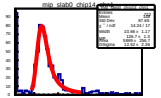

mip_slab0_chip12_chan82
Entries 1000
Mean 16.07
Std Dev 7.16
χ² / ndf 25.61 / 19
Width 11.3± 1.3
MPV 102.8 ± 2.8
Area 10.88 ± 0.03
Sigma 0.58 ± 0.03

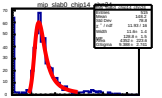

mip_slab0_chip12_chan108
Entries 1000
Mean 16.07
Std Dev 7.16
χ² / ndf 20.80 / 19
Width 11.99± 1.26
MPV 102.8 ± 2.8
Area 10.88 ± 0.03
Sigma 0.57 ± 0.03

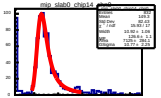

mip_slab0_chip13_chan4
Entries 1000
Mean 127
Std Dev 89.2
χ² / ndf 16.12 / 7
Width 13.49 ± 1.42
MPV 130.6 ± 1.5
Integral 1000 ± 32.0

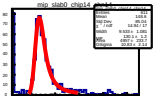

mip_slab0_chip13_chan5
Entries 1000
Mean 384.6
Std Dev 23.17
χ² / ndf 23.17 / 18
Width 13.98 ± 1.18
MPV 393.1 ± 1.0
Integral 1000 ± 32.0

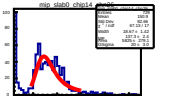

mip_slab0_chip13_chan14
Entries 1000
Mean 184.7
Std Dev 17.15
χ² / ndf 17.15 / 7
Width 9.841 ± 1.415
MPV 188.5 ± 0.8
Integral 1000 ± 32.0

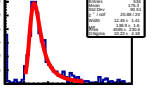

mip_slab0_chip14_chan1
Entries 197
Mean 87.69
Std Dev 14.22
χ² / ndf 15.98 / 17
Width 126.7 ± 1.3
MPV 87.6 ± 0.6
Integral 12.57 ± 0.24

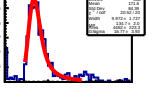

mip_slab0_chip14_chan2
Entries 142
Mean 79.8
Std Dev 10.90
χ² / ndf 11.91 / 14
Width 120.8 ± 1.5
MPV 79.8 ± 0.5
Integral 9.380 ± 0.20

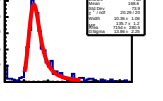

mip_slab0_chip14_chan3
Entries 199
Mean 102.2
Std Dev 15.83
χ² / ndf 15.83 / 17
Width 93.90 ± 1.09
MPV 102.2 ± 0.6
Integral 13.77 ± 0.21

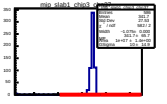

mip_slab0_chip14_chan4
Entries 143
Mean 94.5
Std Dev 14.80
χ² / ndf 14.80 / 17
Width 9.930 ± 1.850
MPV 94.5 ± 0.5
Integral 4997.7 ± 167.7
Sigma 10.63 ± 7.74

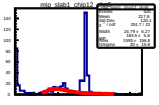

mip_slab0_chip14_chan5
Entries 202
Mean 39.08
Std Dev 67.23 / 17
Width 18.67 ± 1.42
MPV 39.08 ± 0.47
Integral 5820.4 ± 275.1
Sigma 26.1 ± 2.1

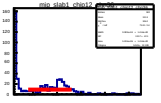

mip slab0 chip15 chan54
Entries 1000
Mean 1.521
Std Dev 90.61
χ² / ndf 1.07 / 1
Const 12.85 ± 1.45
Mean 138.9 ± 3.6
Sigma 20.01 ± 2.63

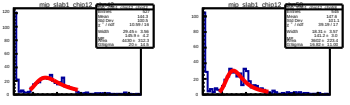

mip slab0 chip15 chan55
Entries 1000
Mean 31.18
Std Dev 20.67
χ² / ndf 20.67 / 19
Const 9.972 ± 1.727
Mean 16.77 ± 0.6
Sigma 16.77 ± 0.6

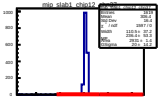

mip slab0 chip15 chan56
Entries 1000
Mean 1.521
Std Dev 90.61
χ² / ndf 10.29 / 13
Const 10.56 ± 1.16
Mean 7.152 ± 0.6
Sigma 13.56 ± 1.1

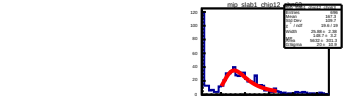

mip_slab1_chip3_ch10
Entries 1000
Mean 271.2
Std Dev 27.1
χ² / ndf 1017.2
Prob 0.000
Constant 1313 ± 18.7
Mean 271.1 ± 0.0
Sigma 27.1 ± 0.0
350
300
250
200
150
100
50
0

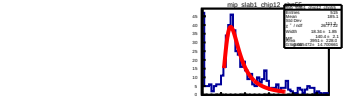

mip slab1 chip12 ch55
Mean 212.6
Std Dev 102.1
χ² / ndf 284.2 / 22
Width 29.24 ± 9.27
Peak 2.000 ± 0.000
MPV 1960 ± 160.9
Integral 2274 ± 18.8

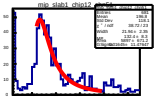

mip slab1 chip12 ch56
Mean 153.2
Std Dev 100.1
χ² / ndf 10.90 / 16
Width 29.45 ± 9.91
Peak 2.000 ± 0.000
MPV 1960 ± 160.9
Integral 2274 ± 18.8

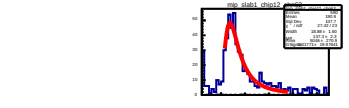

mip slab1 chip12 ch57
Mean 127.9
Std Dev 111.1
χ² / ndf 39.18 / 17
Width 33.31 ± 9.97
Peak 2.000 ± 0.000
MPV 2400 ± 215.2
Integral 2274 ± 18.8

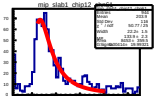

mip slab1 chip12 ch58
Mean 1114
Std Dev 700.4
χ² / ndf 2087 / 0
Width 113.9 ± 37.2
Peak 236.8 ± 53.8
MPV 2914 ± 12.2
Integral 2914 ± 12.2

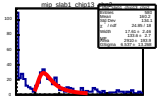

mip slab1 chip12 ch59
Mean 1104
Std Dev 707.7
χ² / ndf 2647 / 0
Width 29.89 ± 2.39
Peak 1.05 ± 1.2
MPV 2914 ± 12.2
Integral 2914 ± 12.2

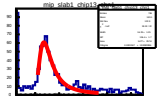

mip slab1 chip12 ch60
Mean 1151
Std Dev 1011
χ² / ndf 2077 / 0
Width 30.50 ± 1.85
Peak 100.4 ± 2.1
MPV 2511 ± 22.6
Integral 2511 ± 14.2

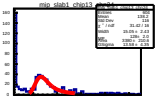

mip slab1 chip12 ch61
Mean 1162
Std Dev 1104
χ² / ndf 2511 / 0
Width 31.90 ± 2.06
Peak 132.4 ± 8.5
MPV 2511 ± 22.6
Integral 2511 ± 14.2

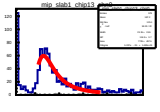

mip slab1 chip12 ch62
Mean 1002
Std Dev 1002
χ² / ndf 27.42 / 23
Width 18.88 ± 1.60
Peak 2.000 ± 0.000
MPV 6000 ± 270.9
Integral 6000 ± 38.5

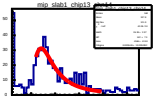

mip slab1 chip12 ch63
Mean 1024
Std Dev 1024
χ² / ndf 32.77 / 23
Width 22.2 ± 1.6
Peak 2.000 ± 0.000
MPV 6000 ± 268.5
Integral 6000 ± 38.5

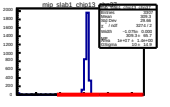

mip slab1 chip13 strip1
Entries 1024
Mean 19.4
Std Dev 10.1
χ² / ndf 24.89 / 18
Prob 0.1
Const 17.42 ± 2.16
Mean 13.8 ± 2.7
Sigma 4.07 ± 1.07
Integral 4.5371 ± 1.198

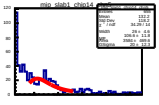

mip slab1 chip13 strip2
Entries 1024
Mean 19.4
Std Dev 10.1
χ² / ndf 24.89 / 18
Prob 0.1
Const 17.42 ± 2.16
Mean 13.8 ± 2.7
Sigma 4.07 ± 1.07
Integral 4.5371 ± 1.198

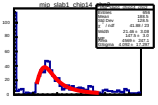

mip slab1 chip13 strip3
Entries 1024
Mean 19.4
Std Dev 10.1
χ² / ndf 24.89 / 18
Prob 0.1
Const 17.42 ± 2.16
Mean 13.8 ± 2.7
Sigma 4.07 ± 1.07
Integral 4.5371 ± 1.198

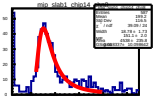

mip slab1 chip13 strip4
Entries 1024
Mean 19.4
Std Dev 10.1
χ² / ndf 24.89 / 18
Prob 0.1
Const 17.42 ± 2.16
Mean 13.8 ± 2.7
Sigma 4.07 ± 1.07
Integral 4.5371 ± 1.198

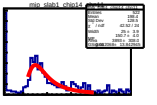

mip slab1 chip13 strip5
Entries 1024
Mean 19.4
Std Dev 10.1
χ² / ndf 24.89 / 18
Prob 0.1
Const 17.42 ± 2.16
Mean 13.8 ± 2.7
Sigma 4.07 ± 1.07
Integral 4.5371 ± 1.198

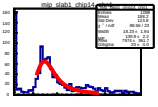

mip slab1 chip13 strip6
Entries 1024
Mean 19.4
Std Dev 10.1
χ² / ndf 3274.17
Prob 0
Const 0.2756 ± 0.032
Mean 1309.9 ± 66.7
Sigma 84.7007 ± 1.1
Integral 27.1 ± 11.8

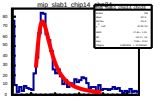

mip slab1 chip14 strip1
Entries 1512
Mean 1.0
Std Dev 1.0
χ² / ndf 34.28 / 14
Width 29.4 ± 0.5
MPV 1.0 ± 0.0
Area 3960.5 ± 0.0
Sigma 0.7 ± 0.0

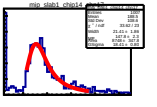

mip slab1 chip14 strip2
Entries 1514
Mean 1.0
Std Dev 1.0
χ² / ndf 41.68 / 19
Width 21.49 ± 0.28
MPV 147.9 ± 0.0
Area 3960.5 ± 0.0
Sigma 4.7 ± 0.0

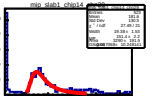

mip slab1 chip14 strip3
Entries 1514
Mean 1.0
Std Dev 1.0
χ² / ndf 39.66 / 16
Width 18.79 ± 1.73
MPV 192.4 ± 3.4
Area 3960.5 ± 0.0
Sigma 11.7 ± 0.0

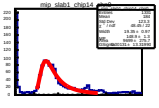

mip slab1 chip14 strip4
Entries 1514
Mean 1.0
Std Dev 1.0
χ² / ndf 42.52 / 24
Width 29.1 ± 3.9
MPV 190.7 ± 4.0
Area 3960.5 ± 0.0
Sigma 14.7 ± 0.0

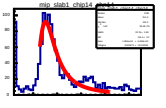

mip slab1 chip14 strip5
Entries 1514
Mean 1.0
Std Dev 1.0
χ² / ndf 33.12 / 14
Width 18.15 ± 1.54
MPV 138.9 ± 2.2
Area 3960.5 ± 0.0
Sigma 14.7 ± 0.0

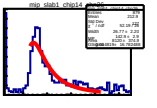

mip slab1 chip14 strip6
Entries 1514
Mean 1.0
Std Dev 1.0
χ² / ndf 39.66 / 16
Width 18.79 ± 1.73
MPV 192.4 ± 3.4
Area 3960.5 ± 0.0
Sigma 11.7 ± 0.0

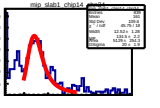

mip slab1 chip14 strip7
Entries 1514
Mean 1.0
Std Dev 1.0
χ² / ndf 33.64 / 14
Width 21.41 ± 1.69
MPV 147.9 ± 2.3
Area 3960.5 ± 0.0
Sigma 14.7 ± 0.0

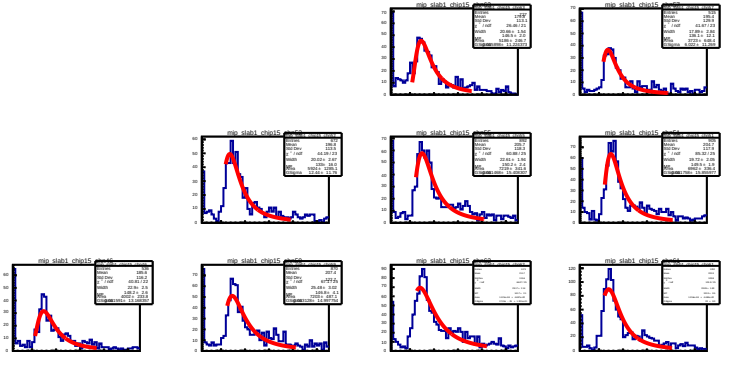

mip slab1 chip14 strip8
Entries 1514
Mean 1.0
Std Dev 1.0
χ² / ndf 41.68 / 19
Width 21.49 ± 0.28
MPV 147.9 ± 0.0
Area 3960.5 ± 0.0
Sigma 4.7 ± 0.0


mip slab1 chip14 strip9
Entries 1514
Mean 1.0
Std Dev 1.0
χ² / ndf 46.49 / 12
Width 19.39 ± 0.97
MPV 138.9 ± 1.0
Area 3960.5 ± 0.0
Sigma 14.0 ± 0.0


mip slab1 chip14 strip10
Entries 1514
Mean 1.0
Std Dev 1.0
χ² / ndf 52.10 / 18
Width 18.79 ± 1.07
MPV 192.4 ± 1.0
Area 3960.5 ± 0.0
Sigma 11.7 ± 0.0


mip slab1 chip14 strip11
Entries 1514
Mean 1.0
Std Dev 1.0
χ² / ndf 52.10 / 18
Width 26.77 ± 2.21
MPV 147.9 ± 1.0
Area 3960.5 ± 0.0
Sigma 14.7 ± 0.0


mip slab1 chip14 strip12
Entries 1514
Mean 1.0
Std Dev 1.0
χ² / ndf 45.79 / 16
Width 12.92 ± 1.20
MPV 192.4 ± 0.0
Area 3960.5 ± 0.0
Sigma 20 ± 0.0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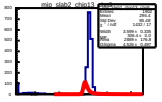
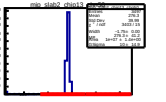
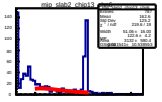
mip slab1 chip15 chan62
mip slab1 chip15 chan61
mip slab1 chip15 chan60
mip slab1 chip15 chan59
mip slab1 chip15 chan58
mip slab1 chip15 chan57
mip slab1 chip15 chan56
mip slab1 chip15 chan55
mip slab1 chip15 chan54
mip slab1 chip15 chan53
mip slab1 chip15 chan52


mip slab2 chip13


mip slab2 chip13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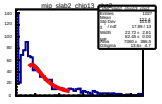
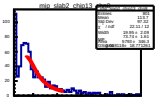

mip slab2 chip13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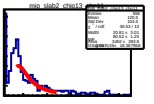
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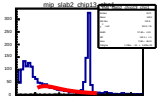
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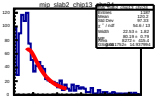
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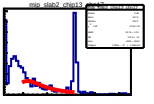
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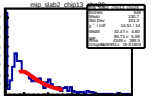
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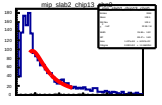
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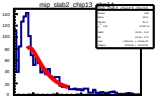
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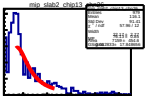
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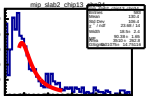
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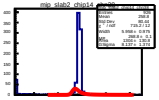
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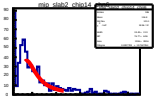
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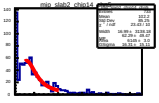
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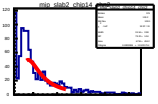
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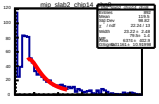
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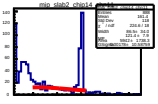
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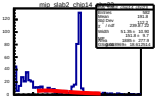
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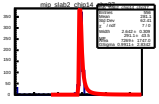
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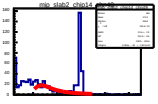
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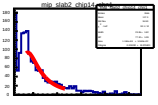
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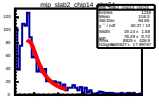
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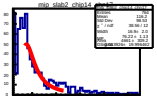
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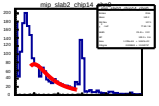
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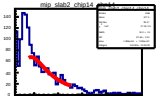
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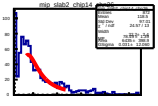
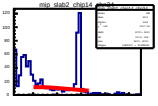

mip slab2 chip14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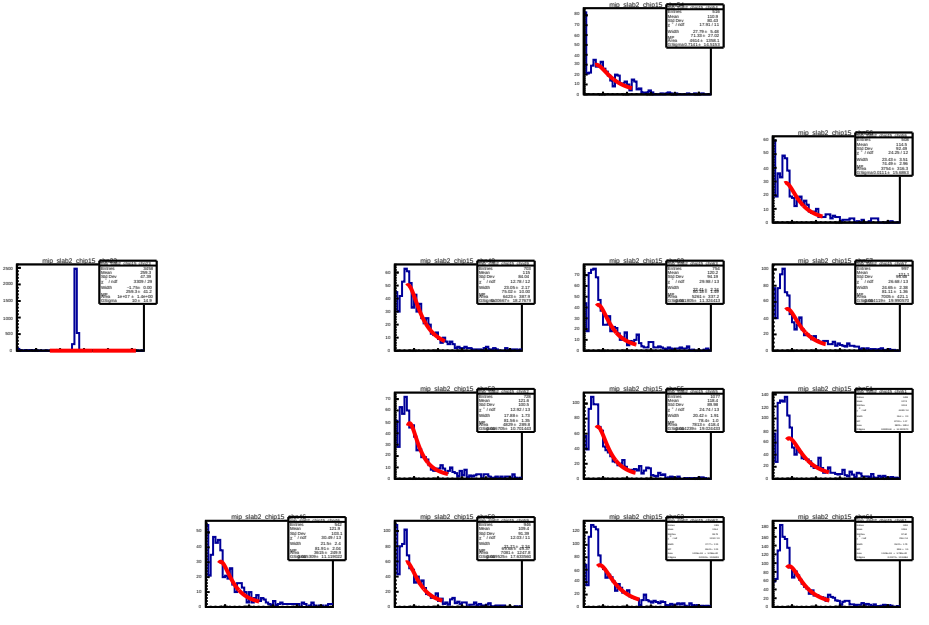
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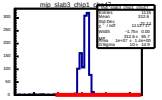
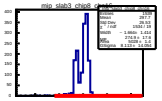
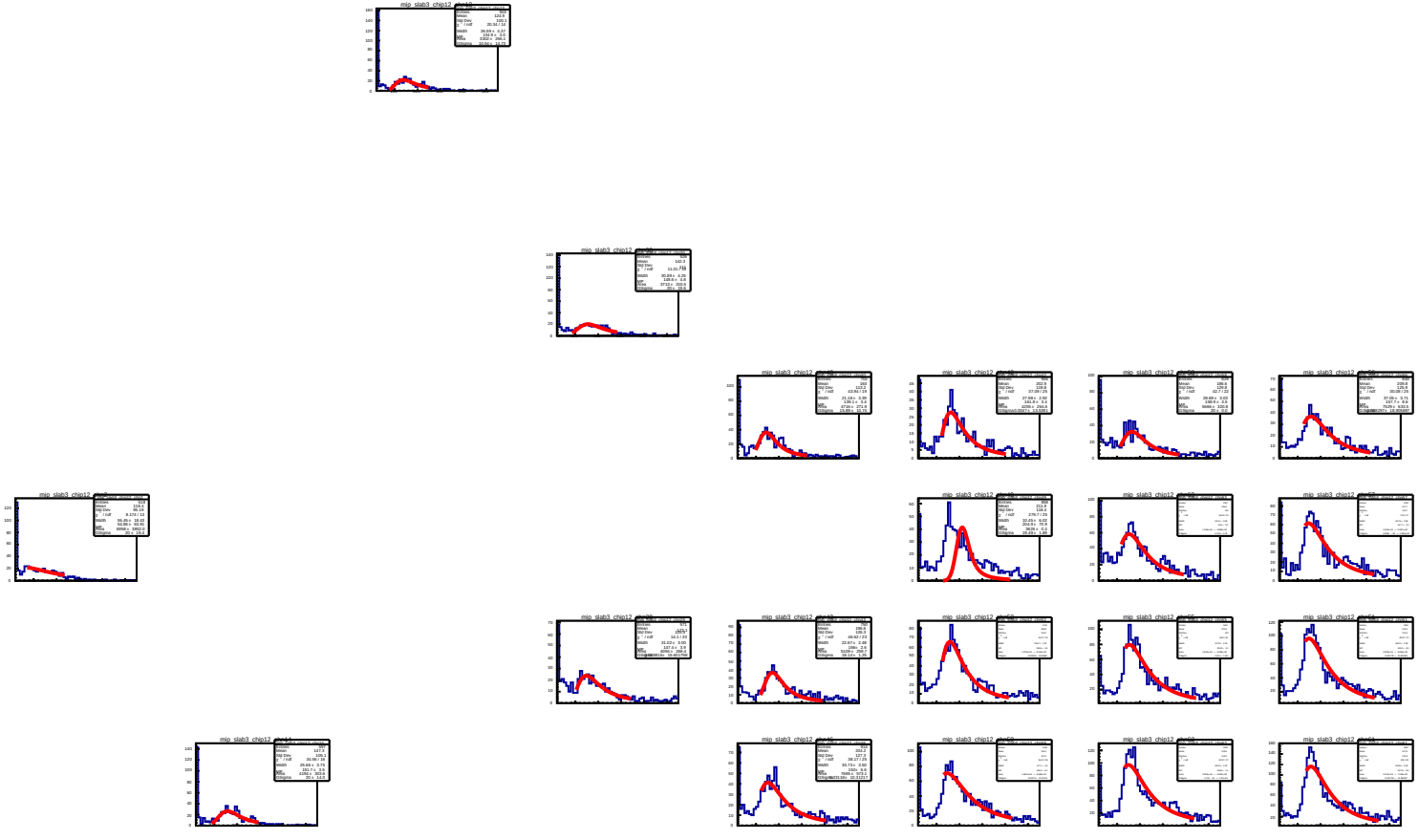
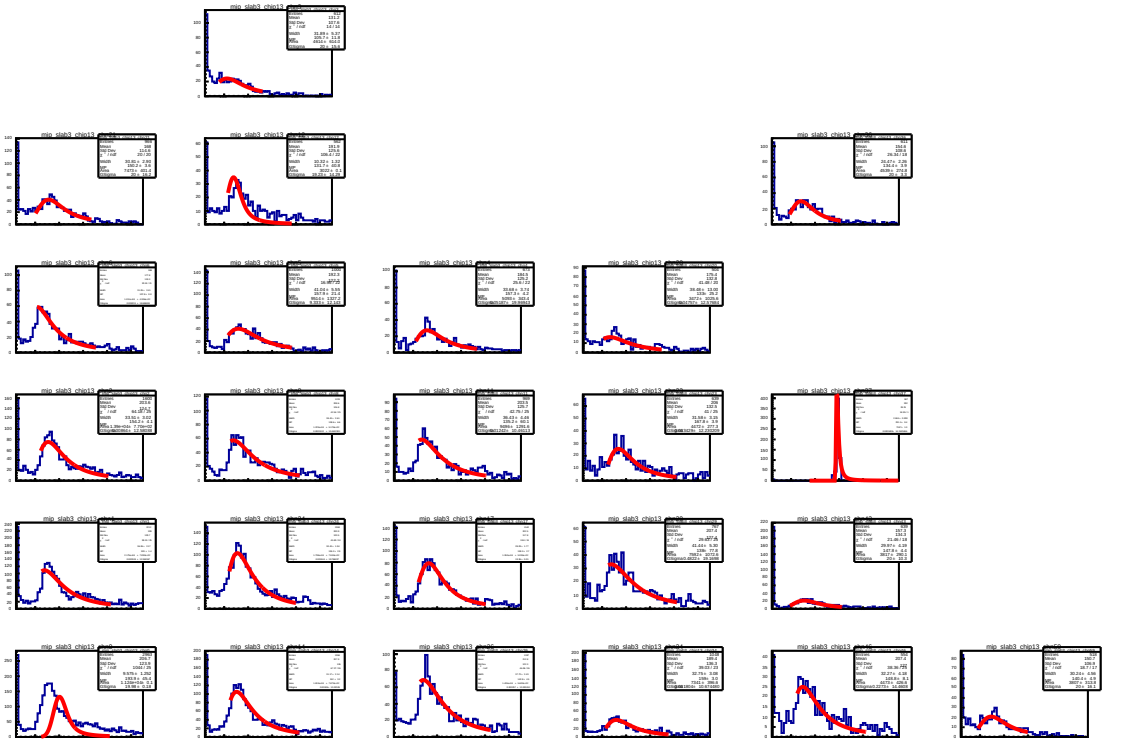
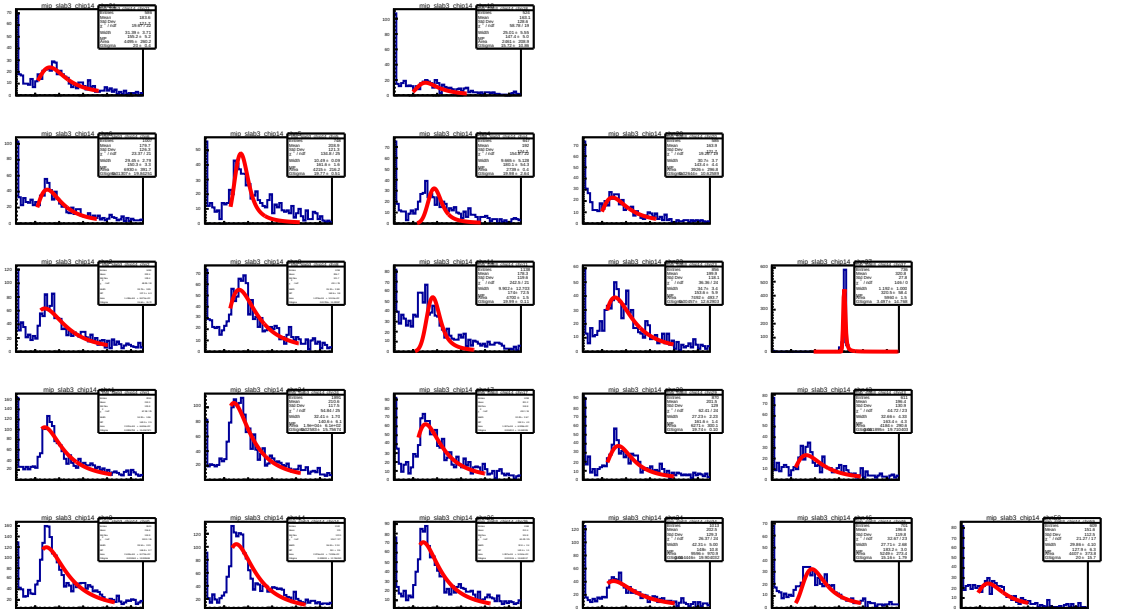
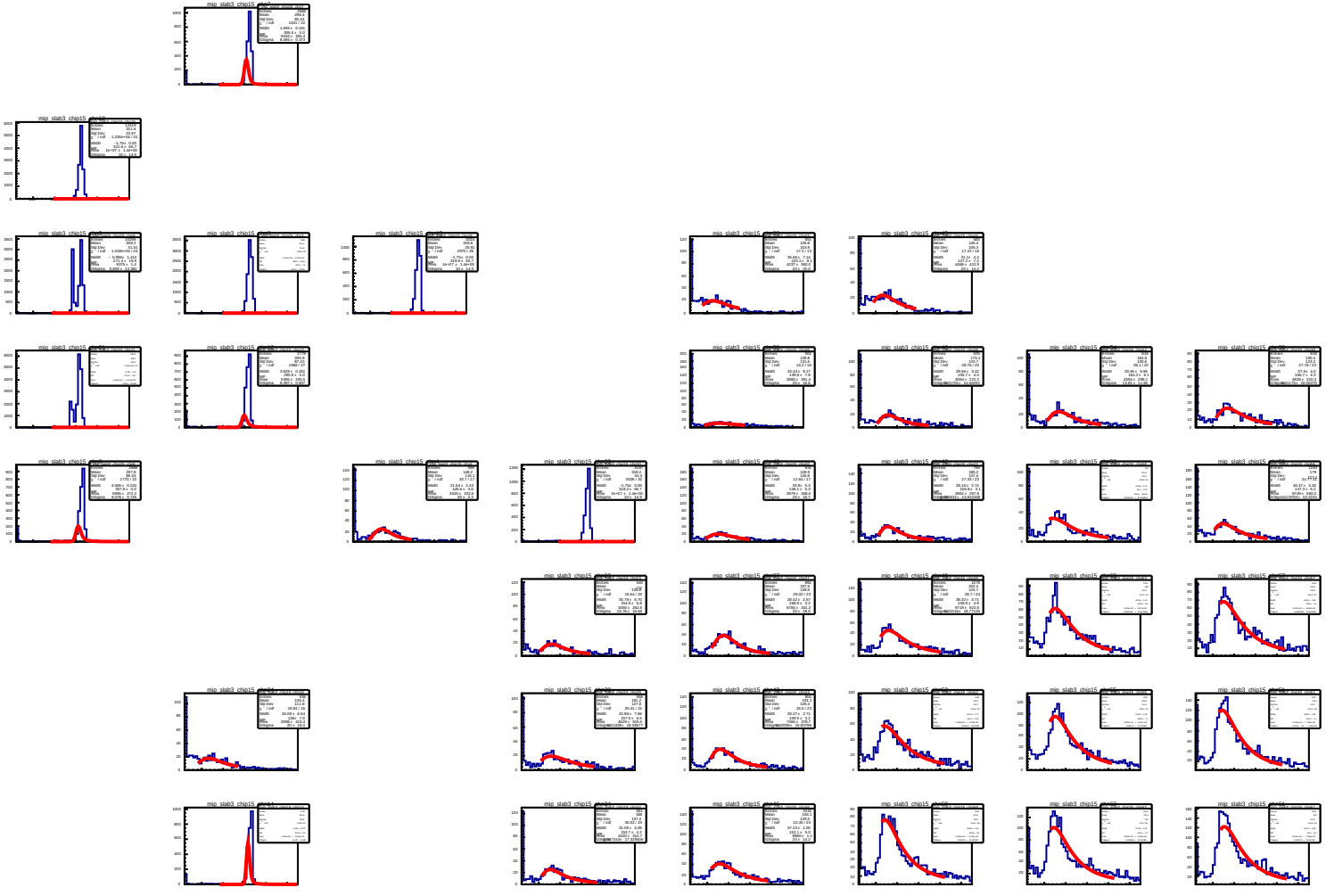

mip_slab3_chip1_chan25
Entries 1024
Mean 1.014
Std Dev 0.1112
χ² / ndf 2.1e+07 / 1
Width 0.1 ± 0.0
Mean 1.01 ± 0.00
Sigma 0.111 ± 0.000
Integral 1024 ± 32.0
300
250
200
150
100
50
0

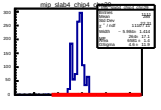

msp_slab3_chip8_ch14
Statistics on Histogram
Entries 2677
Mean 28.63
RMS 15011.59
Underflow - 1.0000e+ 1.414
Overflow 0.0000e+ 0.0
Integral 9.1157e+ 14.000
400
350
300
250
200
150
100
50
0

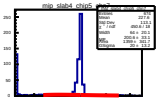

mip_slab3_chip12
Mean 1343
Std Dev 20.567 0.4
χ² / ndf 1
Width 29.69 ± 0.37
Area 1.0 ± 0.0
MPV 1320.4 ± 0.6
Sigma 14.941 ± 0.4
mip_slab3_chip12
Mean 1423
Std Dev 21.01 0.5
χ² / ndf 1
Width 30.41 ± 0.5
Area 1.0 ± 0.0
MPV 1410.4 ± 0.7
Sigma 17.11 ± 0.5
mip_slab3_chip12
Mean 1314
Std Dev 19.4 0.4
χ² / ndf 1
Width 29.69 ± 0.37
Area 1.0 ± 0.0
MPV 1320.4 ± 0.6
Sigma 14.941 ± 0.4

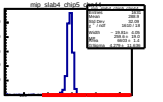


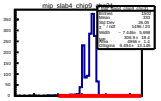


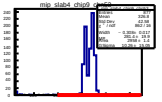


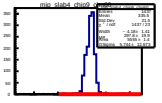

mip slab4 chip4 step20
Entries 1000
Mean 0.0
Std Dev 1.110
χ / ndf 1107 / 20
Prob 0.0
Mean x -3.900e-01 ± 0.014
RMS x 25.00 ± 0.010
Integral 1000 ± 31.6
Underflow 0.0 ± 0.0
Overflow 0.0 ± 0.0
350
300
250
200
150
100
50
0

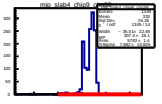

mip slab4 chip5 chan5
Entries 1000
Mean 2010
Std Dev 2.13
χ² / ndf 200.8 / 14
width 56 ± 26.3
Mean 2000 ± 0.1
Sigma 2.00 ± 0.1
Integral 20 ± 1.0

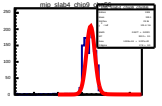

mip slab4 chip5 chan6
Entries 1000
Mean 2018
Std Dev 2.01
χ² / ndf 1437 / 18
width − 33.93 ± 0.05
Mean 2000 ± 0.1
Sigma 1.0 ± 0.1
Integral 1.4e+4 ± 1.0e+2

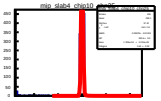
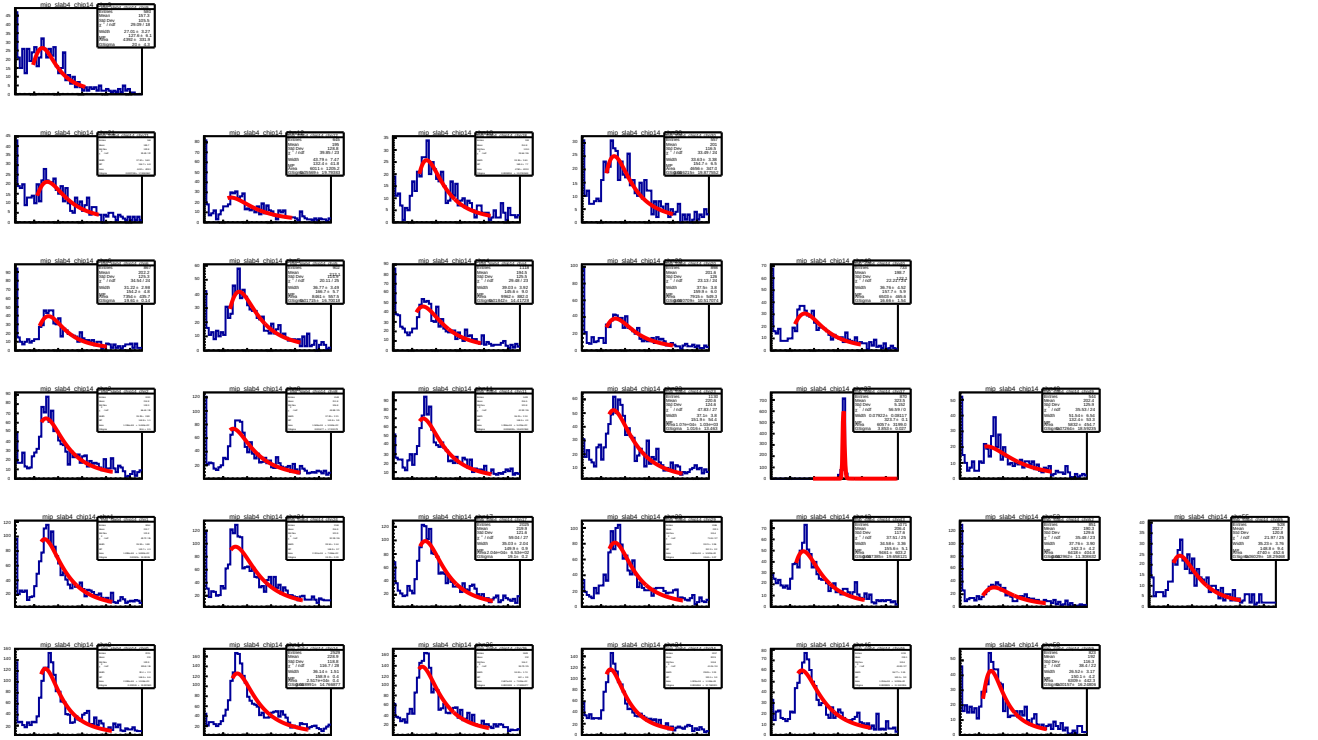
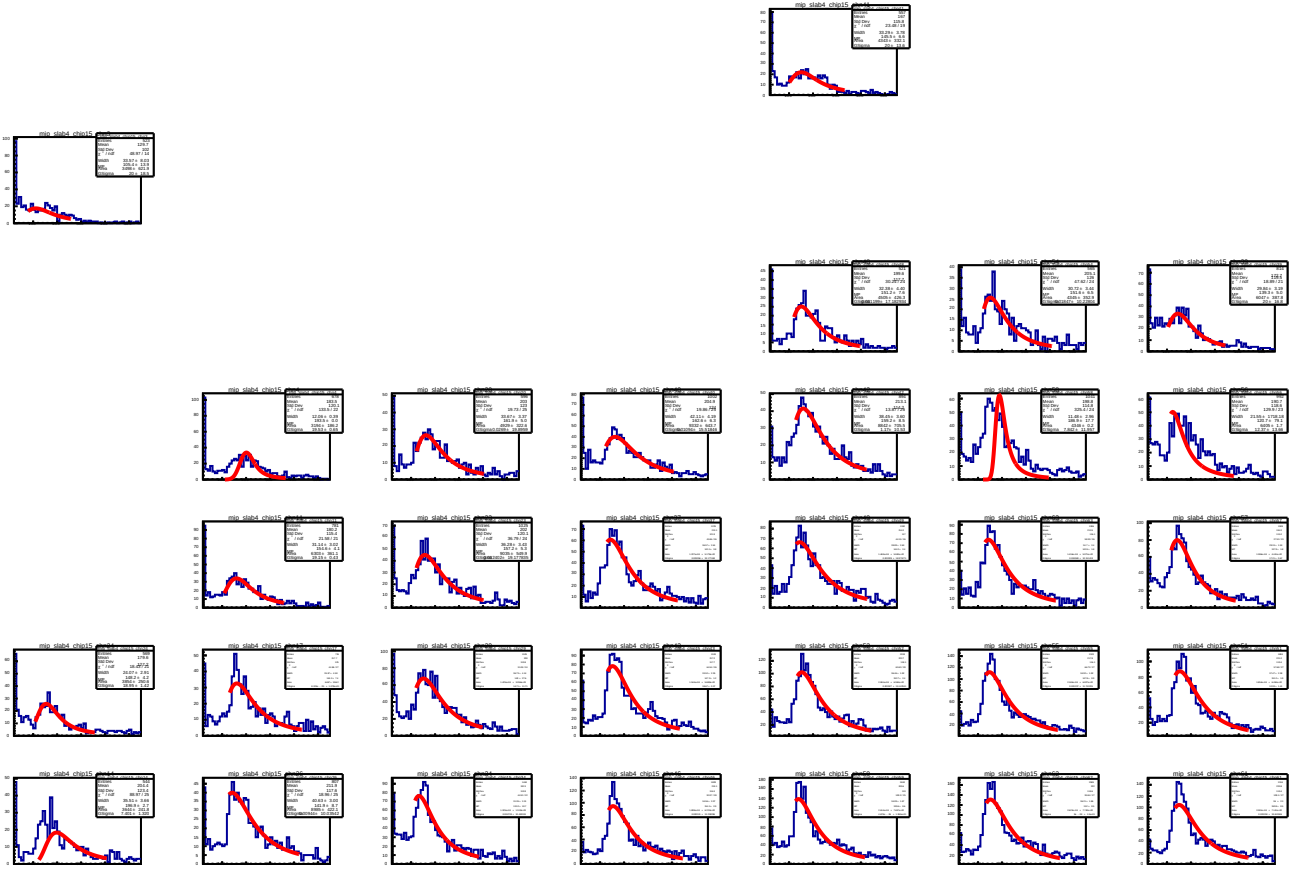

mip_slab4_chip2_ch24
Entries 122
Mean 28.05
Std Dev 1490.23
Mean - 7.6464 5.698
Width 2.9 0.4
MPV 2864.1 5.4
Sigma 0.6457 23.23


mip_slab4_chip2_ch25
Entries 1114
Mean 328.8
Std Dev 1.3
MPV 862.75
Width - 0.3630 0.017
Sigma 0.4000 0.012
MPV 2848.4 4.4
Sigma 10.04 0.03


mip_slab4_chip2_ch26
Entries 1114
Mean 335.6
Std Dev 1.1
MPV 1117.73
Width - 4.584 1.41
MPV 2848.4 4.4
Sigma 9.7844 0.03


mip_slab4_chip2_ch27
Entries 1114
Mean 1.8
Std Dev 1.3
MPV 1.75
Width - 35.511 22.65
MPV 357.1 4.4
Sigma 1743.1 3.5
Sigma 2.21 0.1


mip_slab4_chip2_ch28
Entries 1114
Mean 1.8
Std Dev 1.3
MPV 1.75
Width 0.0000 0.0
Sigma 0.0000 0.0
Sigma 0.0000 0.0


mip_slab4_chip13_dac=50
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 1000.
Skewness -nan
Kurtosis -nan
Name mip_slab4_chip13_dac=50
Title mip_slab4_chip13_dac=50
Type TH1F
Dimension 1
Bins 256
Xmin -0.5000000E+00
Xmax 0.5000000E+00
Sum 0.0000000E+00
400
350
300
250
200
150
100
50
0

mip slab4 chip13 chan 32
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