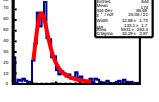
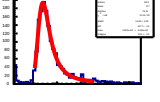
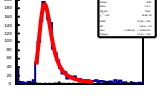
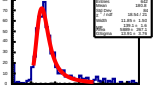
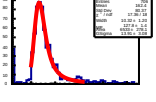
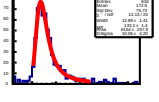

mip_slab0_chip12_ped48
Entries 1024
Mean x 12.88
Std Dev x 25.00 / 21
MAXX 12.88 ± 1.73
MPV 25.00 ± 0.21
Width 19.53 ± 2.62 ± 0.47
Chi2/ndf 55.29 / 17

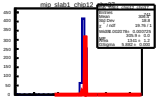

mip_slab0_chip12_ped48

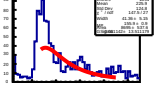

mip_slab0_chip13
Entries 1000
Mean 19.7
RMS 3.1
Underflow 0
Overflow 0
Integral 1000
Mean x 19.7
RMS x 3.1
Underflow x 0
Overflow x 0
Integral x 1000
Constant 1.0 ± 0.0
Mean 19.7 ± 0.0
Sigma 1.0 ± 0.0

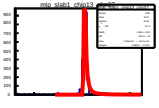

mip_slab0_chip14
Entries 1000
Mean 16.7
RMS 2.1
Underflow 0
Overflow 0
Integral 1000
Mean x 16.7
RMS x 2.1
Underflow x 0
Overflow x 0
Integral x 1000
Constant 11.95 ± 1.93
Mean 16.04 ± 0.17
Sigma 1.57 ± 0.17

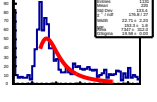

msp_slab0_chip14_adc0
Fit Parameters
Name
Value
Amplitude
382.0
Mean
0.0
Sigma
17.80 ± 0.8
Width
10.30 ± 1.20
Area
6800 ± 1.0e+3
Chi/ndof
9.920 ± 245.1
Integral
13.91 ± 0.0
90
80
70
60
50
40
30
20
10
0

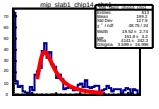

mip slab0 chip15 ped0
Entries 1000
Mean 2.57
RMS 1.13
χ^2 / ndf 12.23 / 10
Width 12.89 ± 1.15
MPV 2.57 ± 0.01
Area 6102 ± 267.5
Sigma 0.56 ± 0.01

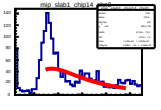

mip_slab1_chip12_chan32
Entries 1000
Mean 0.4000
Mean x 0.4000
RMS 0.1000
RMS x 0.1000
Integral 19.76 / 1
Const 0.0000 ± 0.0000
Mean 320.0 ± 0.0
Sigma 0.0000 ± 0.0000
Width 5.0000 ± 0.0000
MPV 320.0 ± 0.0
Area 5.0000 ± 0.0000
450
400
350
300
250
200
150
100
50
0

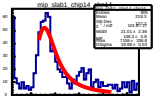

mip_slab1_chip12_chan32
Entries 1000
Mean 0.4000
Mean x 0.4000
RMS 0.1000
RMS x 0.1000
Integral 1.27 / 1.27
Const 41.90 ± 9.16
Mean 0.3000 ± 0.0000
Sigma 0.0000 ± 0.0000
Width 0.0000 ± 0.0000
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15

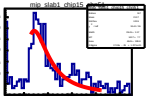

mip_slab1_chip13_chan2
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 1000.0
χ² / ndf 1767.8 / 17
Constant 1000 ± 0.0
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
Constant 1000 ± 0.0
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
Constant 1000 ± 0.0
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
0
100
200
300
400
500
600
700
800
900

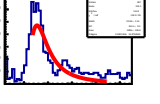

mip_slab1_chip13_chan1
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 1000.0
χ² / ndf 1767.8 / 17
Constant 1000 ± 0.0
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
Constant 1000 ± 0.0
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
Constant 1000 ± 0.0
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
0
10
20
30
40
50
60
70
80
90

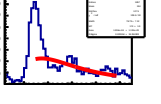

mip slab1 chip14 chan6
Entries 1000
Mean 127.1
Std Dev 127.9
χ² / ndf 49.12 / 19
Width 19.52 ± 2.14
MPV 101.0 ± 2.2
Area 1000 ± 0.0
Sigma 3.997 ± 0.000

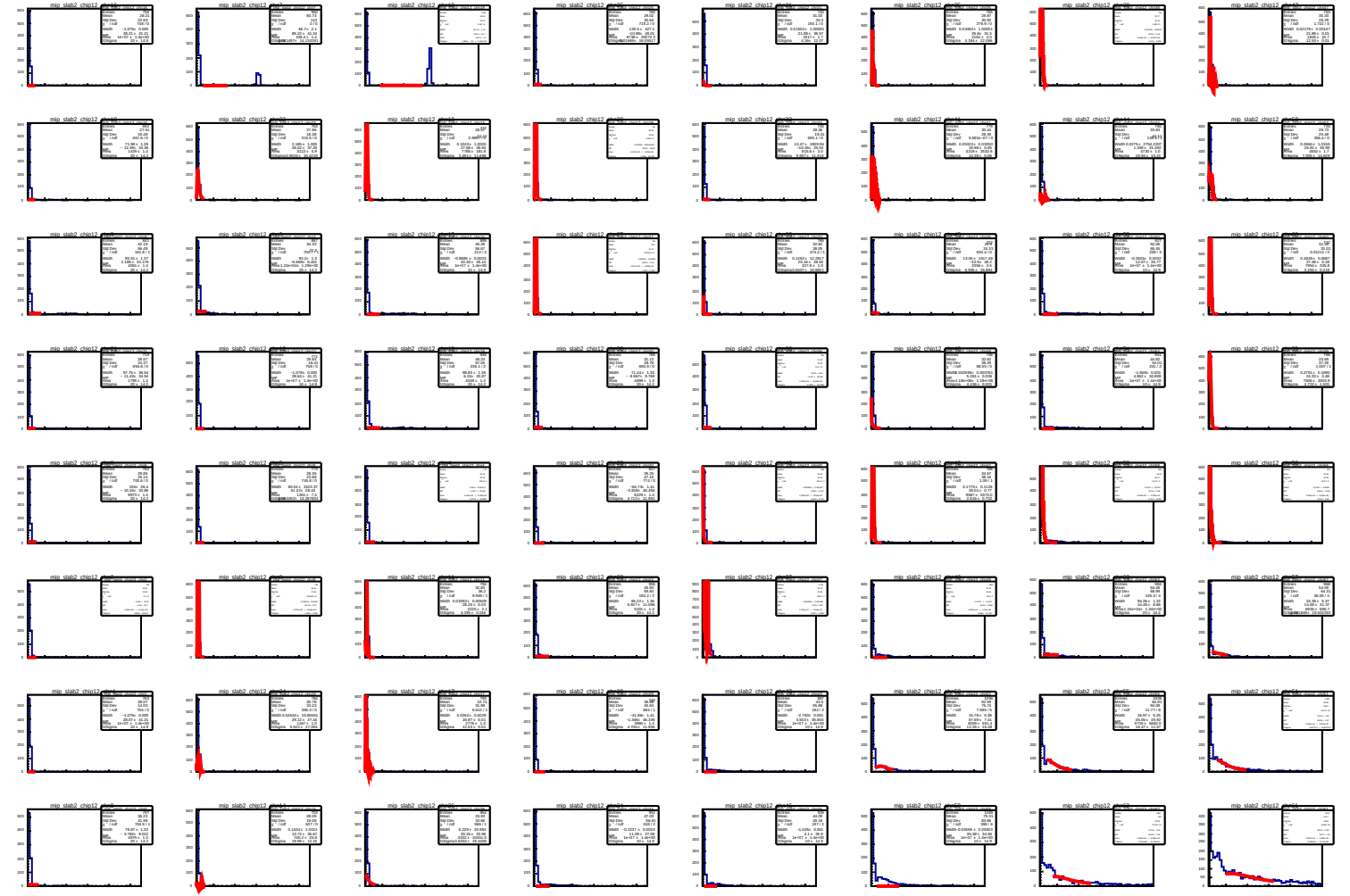

mip slab1 chip14 chan7

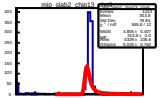

mip slab1 chip14 chan14
Entries 1000
Mean 112.7
Std Dev 112.9
χ² / ndf 113.97 / 17
Width 21.01 ± 2.16
MPV 101.0 ± 2.2
Area 1000 ± 0.0
Sigma 19.94 ± 0.00

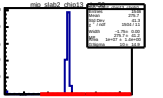

mip slab1 chip15 chan54
Entries 1000
Mean 0.4
RMS 0.3
Underflow 0
Overflow 0
Integral 1000
Constant 0.0000 ± 0.0000
MPV 0.0000 ± 0.0000
Sigma 0.0000 ± 0.0000
Chi2 / ndf 0.0000 / 0
Prob 0.0000

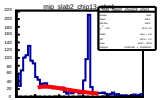

mip slab1 chip15 chan55
Entries 1000
Mean 0.4
RMS 0.3
Underflow 0
Overflow 0
Integral 1000
Constant 0.0000 ± 0.0000
MPV 0.0000 ± 0.0000
Sigma 0.0000 ± 0.0000
Chi2 / ndf 0.0000 / 0
Prob 0.0000

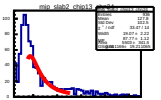

mip slab1 chip15 chan56
Entries 1000
Mean 0.4
RMS 0.3
Underflow 0
Overflow 0
Integral 1000
Constant 0.0000 ± 0.0000
MPV 0.0000 ± 0.0000
Sigma 0.0000 ± 0.0000
Chi2 / ndf 0.0000 / 0
Prob 0.0000

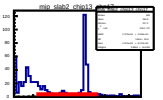

mip slab2 chip12

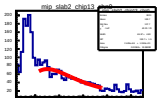

mip slab2 chip13 chan1

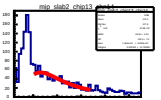

mip slab2 chip13 chan2

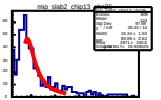

mip slab2 chip13 chan3

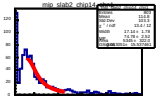

mip slab2 chip13 chan4

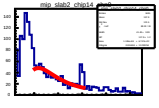

mip slab2 chip13 chan5

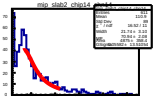

mip slab2 chip13 chan6

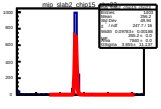

mip slab2 chip13 chan7

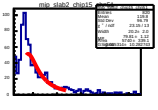

mip slab2 chip13 chan8

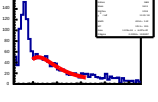

mip_slab2_chip14_chn1
Entries 1000
Mean 103.0
Std Dev 103.0
χ² / ndf 15.14 / 13
Prob 0.3
Constant 27.14 ± 1.74
Mean 78.78 ± 2.92
Sigma 13.04 ± 0.64
Exp Const 0.0 ± 0.0
Exp Slope 0.0 ± 0.0

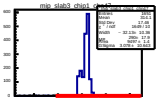

mip_slab2_chip14_chn2
Entries 1000
Mean 103.0
Std Dev 103.0
χ² / ndf 34.57 / 17
Prob 0.0
Constant 21.70 ± 0.23
Mean 24.74 ± 0.07
Sigma 2.01 ± 0.06
Exp Const 0.0 ± 0.0
Exp Slope 0.0 ± 0.0

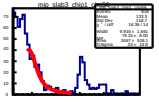

mip_slab2_chip14_chn14
Entries 1000
Mean 102.0
Std Dev 102.0
χ² / ndf 18.92 / 17
Prob 0.3
Constant 21.70 ± 0.23
Mean 24.74 ± 0.07
Sigma 2.01 ± 0.06
Exp Const 0.0 ± 0.0
Exp Slope 0.0 ± 0.0

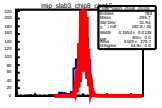

mip slab2 chip15 chan13
Entries 1000
Mean 247.2
Std Dev 27.7
χ² / ndf 247.7 / 88
Width 0.979753 ± 0.03349
MPV 246.2 ± 0.4
Area 1000 ± 0.0
Sigma 1.0833 ± 0.03
1000
800
600
400
200
0

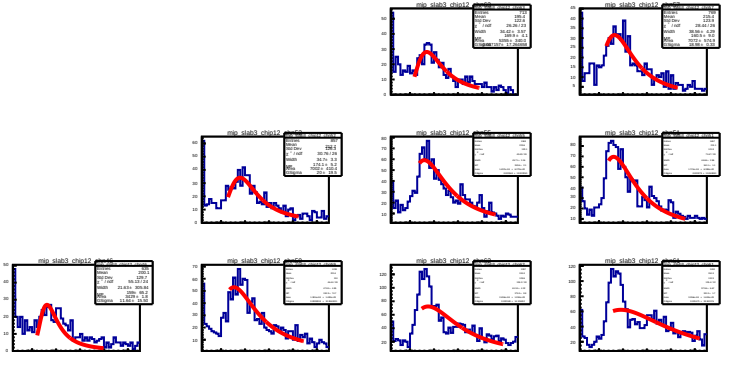

mip slab2 chip15 chan14
Entries 1000
Mean 79.7
Std Dev 59.75
χ² / ndf 37.4 / 14
Width 20.24 ± 0.4
MPV 79.61 ± 1.12
Area 10.42 ± 0.0
Sigma 0.0 ± 0.0
100
80
60
40
20

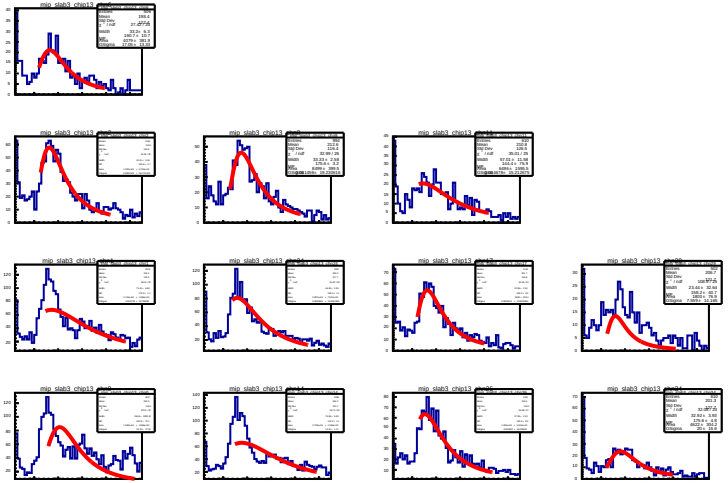

mip slab2 chip15 chan15
Entries 1000
Mean 1.4
Std Dev 1.4
χ² / ndf 1.4 / 1
Width 0.4 ± 0.0
MPV 0.4 ± 0.0
Area 1000 ± 0.0
Sigma 0.0 ± 0.0
140
120
100
80
60
40
20


mip_slab3_chip1_chan5
Entries 3014
Mean 17.4
Std Dev 17.48
χ² / ndf 2149 / 19
Width 32.29± 18.36
Mean 1.000± 17.41
Sigma 0.976± 16.48


mip_slab3_chip1_chan6
Entries 2322
Mean 16.7
Std Dev 13.67
χ² / ndf 16.36 / 14
Width 9.53± 1.60E-
Mean 1.000± 9.51
Sigma 1.000± 9.96


msp_slab3_chip8_c4x16
Entries 2000
Mean 294.7
RMS 35.94
χ / ndf 1652.8 / 35
Width 0.1954 ± 0.0136
Mean 294.7 ± 0.1
Area 1000 ± 0.0
Sigma 14.94 ± 0.1
220
200
180
160
140
120
100
80
60
40
20
0


mip_slab3_chip12_chan55
Entries 1024
Mean 100.4
Std Dev 29.28 / 29
χ² / ndf 26.42 / 3.57
width 100.0 ± 8.4
MPV 73.0 ± 1.1
Integral 12.45/0.68
mip_slab3_chip12_chan56
Entries 1024
Mean 100.4
Std Dev 29.44 / 29
χ² / ndf 39.84 / 6.26
width 140.5 ± 5.0
MPV 73.0 ± 0.8
Integral 12.55 ± 0.13
mip_slab3_chip12_chan57
Entries 1024
Mean 100.4
Std Dev 29.44 / 29
χ² / ndf 32.71 / 3.5
width 272.5 ± 5.2
MPV 100.0 ± 0.8
Integral 12.55 ± 0.13
mip_slab3_chip12_chan58
Entries 1024
Mean 100.4
Std Dev 29.44 / 29
χ² / ndf 32.71 / 3.5
width 272.5 ± 5.2
MPV 100.0 ± 0.8
Integral 12.55 ± 0.13
mip_slab3_chip12_chan59
Entries 1024
Mean 100.4
Std Dev 29.44 / 29
χ² / ndf 32.71 / 3.5
width 272.5 ± 5.2
MPV 100.0 ± 0.8
Integral 12.55 ± 0.13
mip_slab3_chip12_chan60
Entries 1024
Mean 100.4
Std Dev 29.44 / 29
χ² / ndf 32.71 / 3.5
width 272.5 ± 5.2
MPV 100.0 ± 0.8
Integral 12.55 ± 0.13
mip_slab3_chip12_chan61
Entries 1024
Mean 100.4
Std Dev 29.44 / 29
χ² / ndf 32.71 / 3.5
width 272.5 ± 5.2
MPV 100.0 ± 0.8
Integral 12.55 ± 0.13
mip_slab3_chip12_chan62
Entries 1024
Mean 100.4
Std Dev 29.44 / 29
χ² / ndf 32.71 / 3.5
width 272.5 ± 5.2
MPV 100.0 ± 0.8
Integral 12.55 ± 0.13
mip_slab3_chip12_chan63
Entries 1024
Mean 100.4
Std Dev 29.44 / 29
χ² / ndf 32.71 / 3.5
width 272.5 ± 5.2
MPV 100.0 ± 0.8
Integral 12.55 ± 0.13
mip_slab3_chip12_chan64
Entries 1024
Mean 100.4
Std Dev 29.44 / 29
χ² / ndf 55.17 / 14
width 21.8 ± 305.8
MPV 100.0 ± 0.8
Integral 11.90 ± 0.15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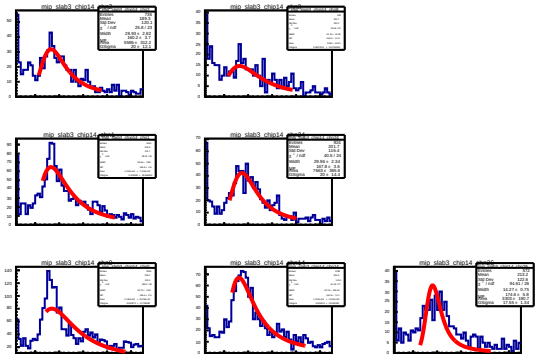
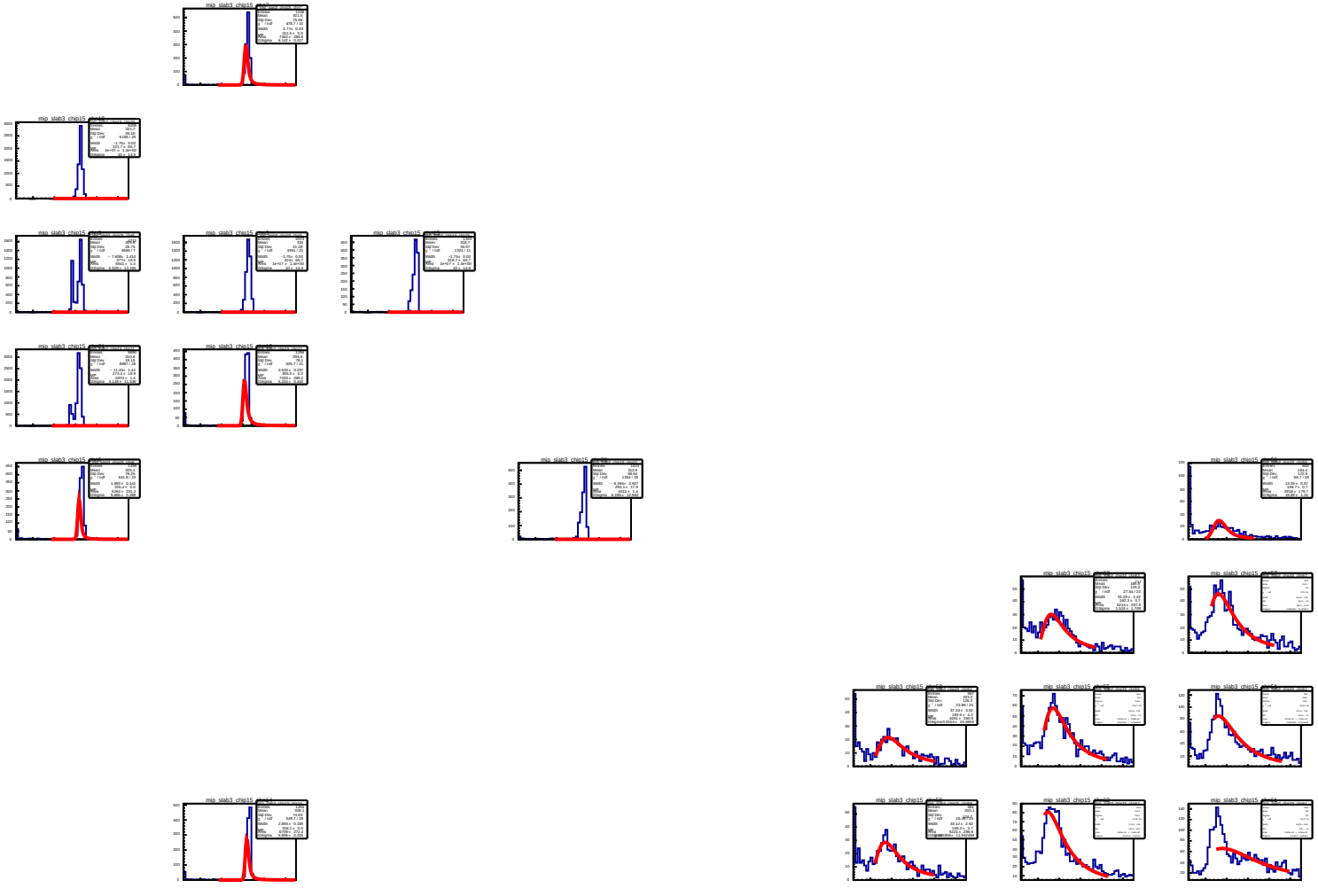
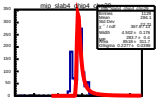

mip_slab3_chip14_chnl1
Entries 1224
Mean 119.4
Std Dev 13.23
χ² / ndf 25.23 / 9
Width 29.95 ± 2.22
MPV 100.2 ± 1.7
Area 1000 ± 12.7
Sigma 10.49 ± 0.14
mip_slab3_chip14_chnl2
mip_slab3_chip14_chnl3
Entries 1224
Mean 119.4
Std Dev 13.23
χ² / ndf 25.23 / 9
Width 29.95 ± 2.22
MPV 100.2 ± 1.7
Area 1000 ± 12.7
Sigma 10.49 ± 0.14
mip_slab3_chip14_chnl4
Entries 1224
Mean 119.4
Std Dev 13.23
χ² / ndf 25.23 / 9
Width 29.95 ± 2.22
MPV 100.2 ± 1.7
Area 1000 ± 12.7
Sigma 10.49 ± 0.14
mip_slab3_chip14_chnl5
Entries 1224
Mean 119.4
Std Dev 13.23
χ² / ndf 25.23 / 9
Width 29.95 ± 2.22
MPV 100.2 ± 1.7
Area 1000 ± 12.7
Sigma 10.49 ± 0.14
mip_slab3_chip14_chnl6
Entries 1224
Mean 119.4
Std Dev 13.23
χ² / ndf 25.23 / 9
Width 29.95 ± 2.22
MPV 100.2 ± 1.7
Area 1000 ± 12.7
Sigma 10.49 ± 0.14
mip_slab3_chip14_chnl7
Entries 1224
Mean 119.4
Std Dev 13.23
χ² / ndf 25.23 / 9
Width 29.95 ± 2.22
MPV 100.2 ± 1.7
Area 1000 ± 12.7
Sigma 10.49 ± 0.14
mip_slab3_chip14_chnl8
Entries 1224
Mean 119.4
Std Dev 13.23
χ² / ndf 25.23 / 9
Width 29.95 ± 2.22
MPV 100.2 ± 1.7
Area 1000 ± 12.7
Sigma 10.49 ± 0.14
mip_slab3_chip14_chnl9
Entries 1224
Mean 119.4
Std Dev 13.23
χ² / ndf 25.23 / 9
Width 29.95 ± 2.22
MPV 100.2 ± 1.7
Area 1000 ± 12.7
Sigma 10.49 ± 0.14
mip_slab3_chip14_chnl10
Entries 1224
Mean 119.4
Std Dev 13.23
χ² / ndf 25.23 / 9
Width 29.95 ± 2.22
MPV 100.2 ± 1.7
Area 1000 ± 12.7
Sigma 10.49 ± 0.14
mip_slab3_chip14_chnl11
Entries 1224
Mean 119.4
Std Dev 13.23
χ² / ndf 25.23 / 9
Width 29.95 ± 2.22
MPV 100.2 ± 1.7
Area 1000 ± 12.7
Sigma 10.49 ± 0.14
mip_slab3_chip14_chnl12
Entries 1224
Mean 119.4
Std Dev 13.23
χ² / ndf 25.23 / 9
Width 29.95 ± 2.22
MPV 100.2 ± 1.7
Area 1000 ± 12.7
Sigma 10.49 ± 0.14
mip_slab3_chip14_chnl13
Entries 1224
Mean 119.4
Std Dev 13.23
χ² / ndf 25.23 / 9
Width 29.95 ± 2.22
MPV 100.2 ± 1.7
Area 1000 ± 12.7
Sigma 10.49 ± 0.14
mip_slab3_chip14_chnl14
Entries 1224
Mean 119.4
Std Dev 13.23
χ² / ndf 25.23 / 9
Width 29.95 ± 2.22
MPV 100.2 ± 1.7
Area 1000 ± 12.7
Sigma 10.49 ± 0.14
mip_slab3_chip14_chnl15
Entries 1224
Mean 119.4
Std Dev 13.23
χ² / ndf 25.23 / 9
Width 29.95 ± 2.22
MPV 100.2 ± 1.7
Area 1000 ± 12.7
Sigma 10.49 ± 0.14
mip_slab3_chip14_chnl16
Entries 1224
Mean 119.4
Std Dev 13.23
χ² / ndf 25.23 / 9
Width 29.95 ± 2.22
MPV 100.2 ± 1.7
Area 1000 ± 12.7
Sigma 10.49 ± 0.14

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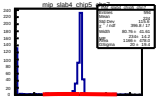
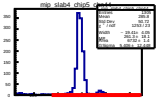
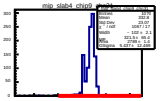
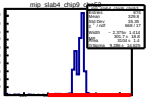
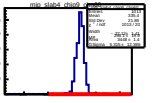
Entries 1000
Mean 0.0
Std Dev 0.0
χ² / ndf 397.0 / 0
p0 0.0 ± 0.0
p1 0.0 ± 0.0
p2 0.0 ± 0.0
p3 0.0 ± 0.0
Origin 0.0 ± 0.0
Sigma 0.0 ± 0.0
350
300
250
200
150
100
50
0

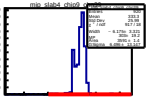

mip slab4 chip5 chan2
Entries 1000
Mean 1.000
Std Dev 0.0000
χ² / ndf 1.000 / 0
Width 80.76 ± 0.12
Mean 1.000 ± 0.000
Sigma 0.0 ± 0.0
Integral 80 ± 0.0

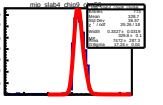

mip slab4 chip5 chan4
Entries 1000
Mean 200.0
Std Dev 0.0000
χ² / ndf 12317.13
Width − 20.41± 0.05
Mean 200.0 ± 0.0
Sigma 0.0 ± 0.0
Integral 5.000 ± 0.000

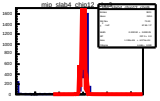

mip_slab4_chip0_chan24
Entries 2012
Mean 23.07
Std Dev 1007.17
χ² / ndf 1.02 / 2
Prob 0.6
Mean x 23.07 ± 0.4
Sigma x 1007.1 ± 23.0

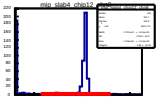

mip_slab4_chip0_chan25
Entries 2016
Mean 1.0
Std Dev 460.17
χ² / ndf 2.37e+ 1.41e
Prob 0.0
Mean x 0.9 ± 0.4
Sigma x 460.1 ± 0.3

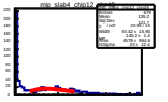

mip_slab4_chip0_chan26
Entries 2017
Mean 2.0
Std Dev 1122.55
χ² / ndf 2.4e+03 1.7
Prob 0.0
Mean x 2.0 ± 0.5
Sigma x 1122.5 ± 0.3


mip_slab4_chip0_chan27
Entries 2012
Mean 23.56
Std Dev 1000.14
χ² / ndf 3.2e+03 / 2
Prob 0.0
Mean x -0.1751 ± 0.3
Sigma x 1000 ± 0.2


mip_slab4_chip0_chan28
Entries 2017
Mean 19.7
Std Dev 39.17
χ² / ndf 39.26 / 18
Prob 0.0
Mean x 0.3021 ± 0.0
Sigma x 39.17 ± 0.2


mip_slab4_chip12_ch0
Entries 1
Mean 1
Std Dev 0
χ² / ndf 0.
Width 0.
MPV 0.
Integral 1.


mip_slab4_chip12_ch1
Entries 1
Mean 1
Std Dev 0
χ² / ndf 0.
Width 0.
MPV 0.
Integral 1.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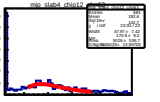
Entries 1
Mean 1
Std Dev 0
χ² / ndf 0.
Width 0.
MPV 0.
Integral 1.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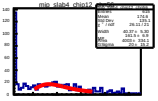
Entries 1
Mean 1
Std Dev 0
χ² / ndf 0.
Width 0.
MPV 0.
Integral 1.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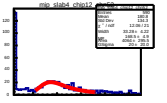
Entries 1
Mean 1
Std Dev 0
χ² / ndf 0.
Width 0.
MPV 0.
Integral 1.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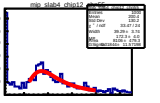
Entries 1
Mean 1
Std Dev 0
χ² / ndf 0.
Width 0.
MPV 0.
Integral 1.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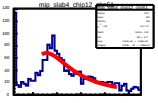
Mean 1
Std Dev 0
χ² / ndf 0.
Width 0.
MPV 0.
Integral 1.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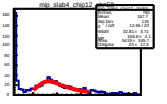
Entries 1
Mean 1
Std Dev 0
χ² / ndf 0.
Width 0.
MPV 0.
Integral 1.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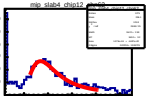
Entries 1
Mean 1
Std Dev 0
χ² / ndf 0.
Width 0.
MPV 0.
Integral 1.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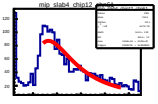
Entries 1
Mean 1
Std Dev 0
χ² / ndf 0.
Width 0.
MPV 0.
Integral 1.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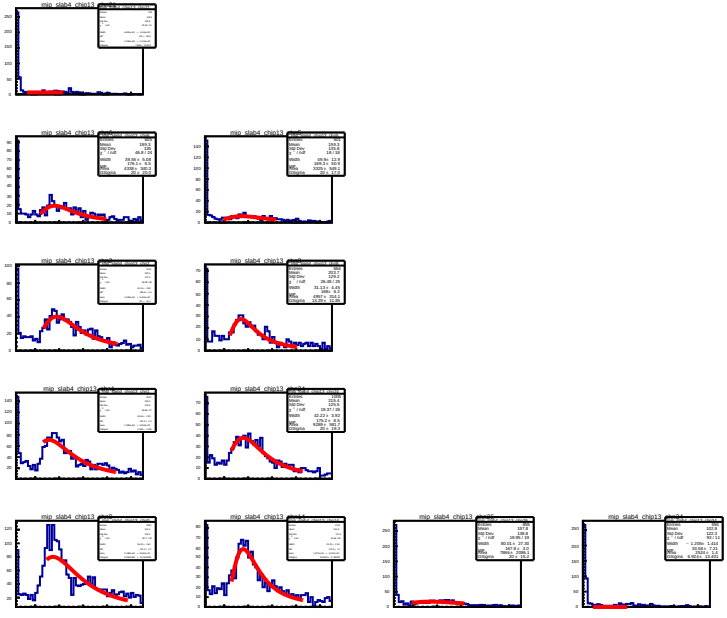
Mean 1
Std Dev 0
χ² / ndf 0.
Width 0.
MPV 0.
Integral 1.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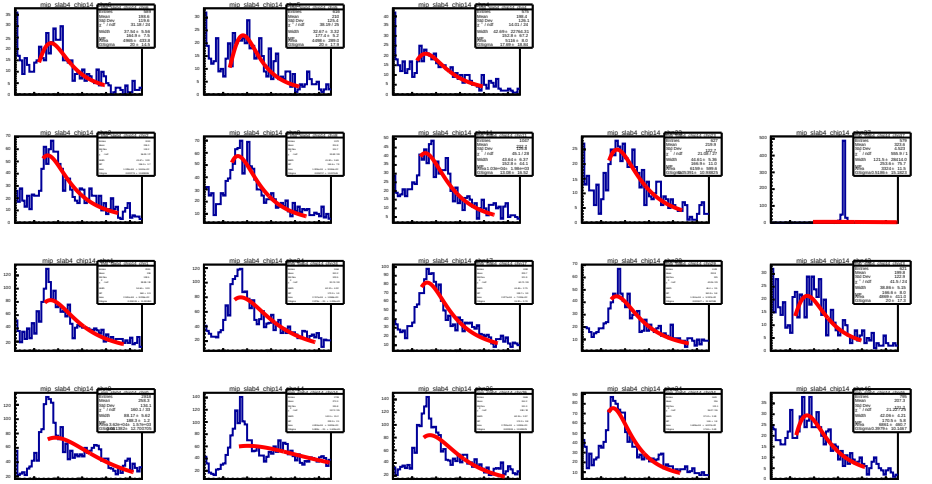
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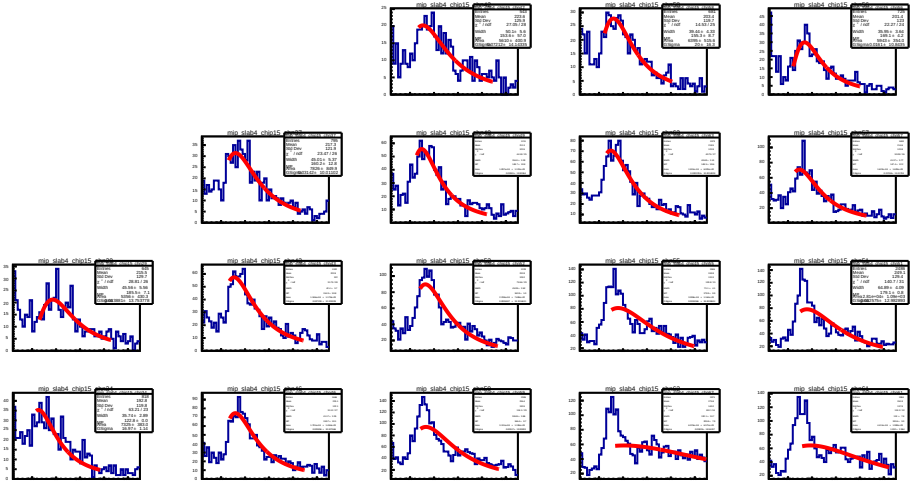
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