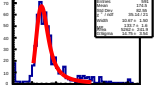
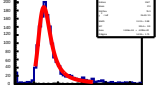
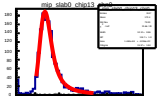
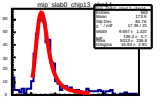
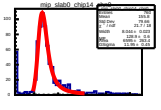
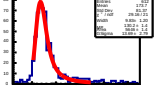

mip_slab0_chip12_channel0
Entries 1000
Mean 35.13
RMS 10.08
χ² / ndf 35.12 / 23
Width 10.87 ± 3.90
MPV 35.13 ± 0.00
Area 6262 ± 243.9
Sigma 14.76 ± 0.00

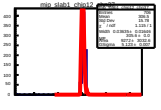

mip_slab0_chip12_channel0

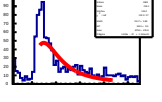

mip_slab0_chip13
Entries 7 10
Mean 1.1
RMS 0.4
χ^2 / ndf 1.4 / 3
Prob 0.7
Constant 1.4 ± 0.1
Mean 1.1 ± 0.0
Sigma 0.1 ± 0.0
χ^2 / ndf 1.4 / 3
Prob 0.7
Constant 1.4 ± 0.1
Mean 1.1 ± 0.0
Sigma 0.1 ± 0.0

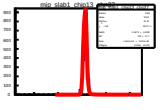

mip_slab0_chip13
Entries 17 10
Mean 1.1
RMS 0.4
χ^2 / ndf 17.0 / 13
Prob 0.2
Constant 17.0 ± 1.4
Mean 1.1 ± 0.0
Sigma 0.1 ± 0.0
χ^2 / ndf 17.0 / 13
Prob 0.2
Constant 17.0 ± 1.4
Mean 1.1 ± 0.0
Sigma 0.1 ± 0.0

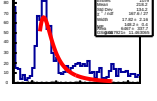

msp_slab0_chip14_adc
Entries 1000
Mean 39.66
RMS 7.04
χ² / ndf 21.7 / 18
Width 8.516 ± 0.023
Sigma 1.000 ± 0.000
MPV 6.000 ± 0.000
Integral 11.96 ± 0.01
100
80
60
40
20
0

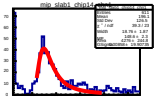

mip slab0 chip15 gain0
Entries 1000
Mean 2.57
Underflow 0
Overflow 0
χ² / ndf 19.20 / 11
Width 0.926 ± 1.26
Sigma 0.926 ± 1.26
MPV 1.000 ± 1.0
Integral 1000 ± 1.0

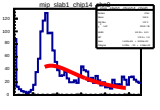

mip_slab1_chip12_chan32
Entries 1000
Mean 55.5
Std Dev 1.154
χ² / ndf 1.154 / 1
Const 0.2365E+ 3 0.2365E+ 3
Mean 55.00 ± 0.00
MPV 55.00 ± 0.00
Sigma 0.7141 ± 0.0007
400
350
300
250
200
150
100
50
0

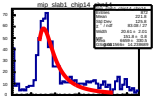

mip_slab1_chip12_chan32
Entries 1000
Mean 55.5
Std Dev 1.154
χ² / ndf 1.154 / 1
Const 0.2365E+ 3 0.2365E+ 3
Mean 55.00 ± 0.00
MPV 55.00 ± 0.00
Sigma 0.7141 ± 0.0007
75
70
65
60
55
50
45
40
35
30
25
20
15

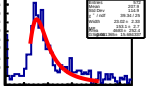

mip_slab1_chip13_chan2
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 1000.0
Constant 1000.0 ± 0.0
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
Chi2 / ndf 0.0 / 0
Constant 1000.0 ± 0.0
Mean 0.0 ± 0.0
Sigma 0.0 ± 0.0
900
800
700
600
500
400
300
200
100
0

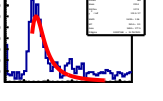

mip_slab1_chip13_chan2
Entries 1000
Mean 234.2
RMS 17.57
Underflow 0
Overflow 0
Integral 1000.0
Constant 17.60 ± 2.16
Mean 227.8 ± 0.4
Sigma 6.607 ± 0.327
Chi2 / ndf 11.42 / 6
80
70
60
50
40
30
20
10
0

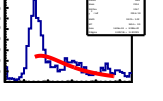

mip slab1 chip14 chnl
Entries 1000
Mean 120.1
Std Dev 120.0
χ² / ndf 25.00 / 13
Const 18.70 ± 1.07
MPV 148.6 ± 2.0
Width 20.71 ± 0.58
Total accepted 14.9%

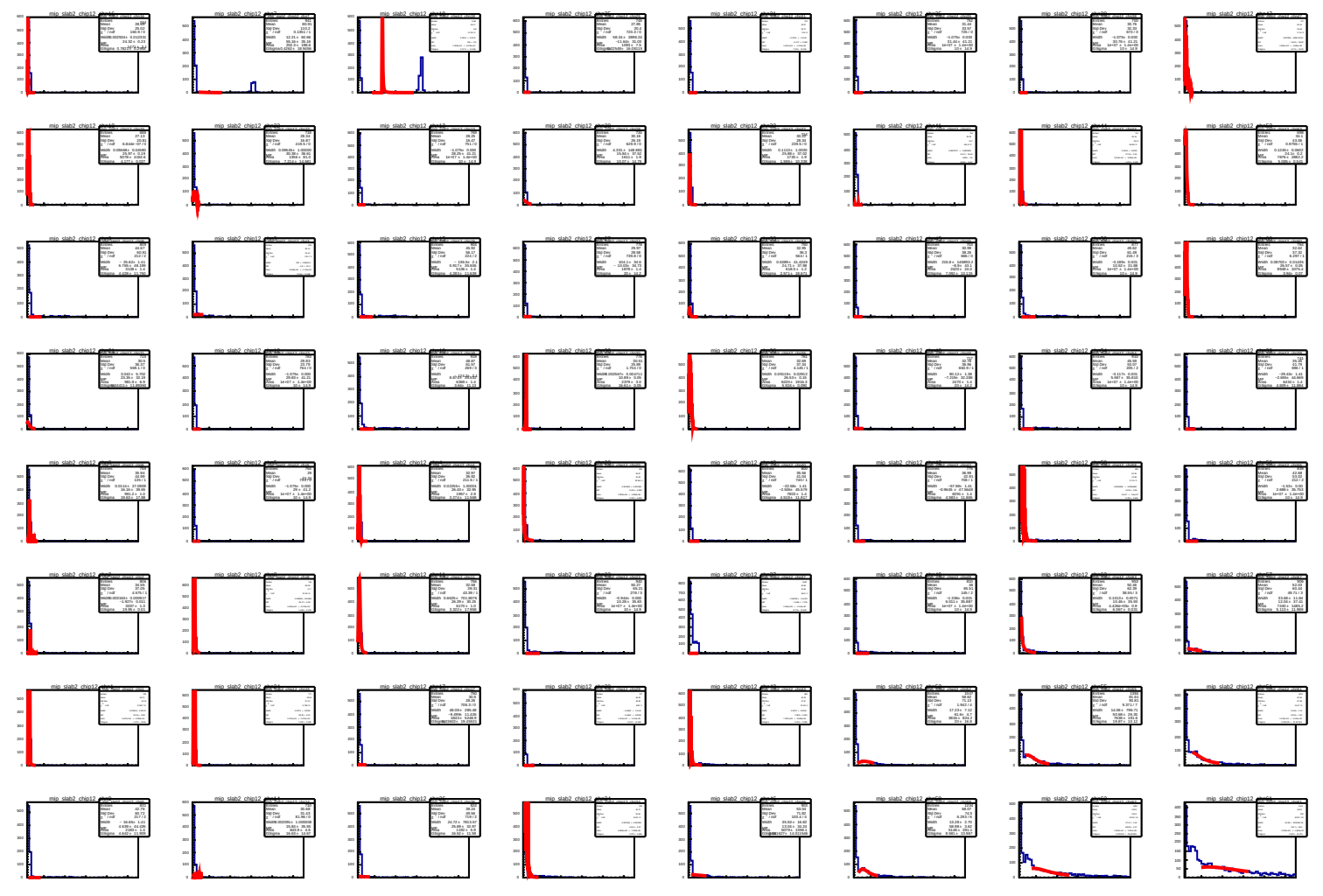

mip slab1 chip14 chnl
Entries 1000
Mean 121.1
Std Dev 121.0
χ² / ndf 32.007 / 17
Const 20.61 ± 2.0
MPV 148.5 ± 2.0
Width 20.61 ± 2.0
Total accepted 14.9%

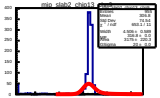

mip slab1 chip14 chnl
Entries 1000
Mean 122.2
Std Dev 121.9
χ² / ndf 32.007 / 17
Const 20.61 ± 2.0
MPV 148.5 ± 2.0
Width 20.61 ± 2.0
Total accepted 14.9%

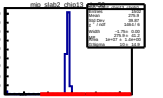

mip slab1 chip15 chan54
Entries 2000
Mean 22.7
Std Dev 11.8
χ / ndf 1.4 / 4
Prob 0.85
Const 1.01 ± 0.04
MPV 22.1 ± 0.2
Sigma 2.1 ± 0.2
Integral 2.01 ± 0.07

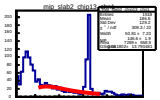

mip slab1 chip15 chan55

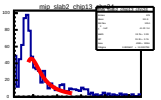

mip slab1 chip15 chan56

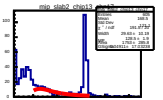


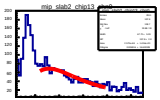

mip slab2 chip13 chan0

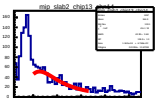

mip slab2 chip13 chan2

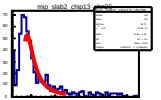

mip slab2 chip13 chan1

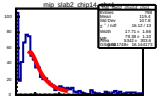

mip slab2 chip13 chan3

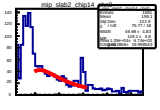

mip slab2 chip13 chan5

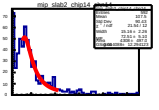

mip slab2 chip13 chan4

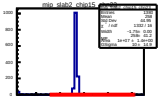

mip slab2 chip13 chan6

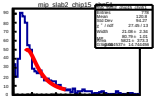

mip slab2 chip13 chan7

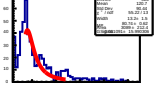

mip_slab2_chip14_chn1
Entries 1000
Mean 113.2
Std Dev 37.8
χ² / ndf 56.1 / 17
Width 17.71 ± 1.68
MPV 79.38 ± 1.22
Area 3110 ± 103.0
Sigma 11.00 ± 0.14

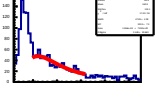

mip_slab2_chip14_chn2
Entries 1000
Mean 110.1
Std Dev 37.8
χ² / ndf 75.77 / 18
Width 49.48 ± 0.83
MPV 25.50 ± 0.50
Area 1.10e+06 ± 5.72e+03
Sigma 38.70 ± 0.41

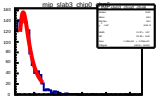

mip_slab2_chip14_chn3
Entries 1000
Mean 16.72
Std Dev 10.12
χ² / ndf 33.87 / 12
Width 29.16 ± 2.24
MPV 12.24 ± 0.21
Area 2.06e+ ± 207.7
Sigma 12.24 ± 0.21

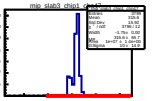

mip_slab2_chip15_chan13
Entries 1000
Mean -0.02
Std Dev 0.74
χ² / ndf 1000 / 49
Width -1.7± 0.01
Peak 31.2
Mean 14.07 ± 0.01
Sigma 0.5 ± 0.01

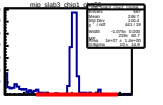

mip_slab2_chip15_chan56
Entries 1000
Mean 19.7
Std Dev 84.07
χ² / ndf 1000 / 49
Width 31.06 ± 0.16
Peak 80.76 ± 1.16
Mean 19.7 ± 0.01
Sigma 11.7 ± 0.01

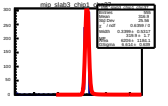

mip_slab2_chip15_chan40
Entries 1000
Mean 20.07
Std Dev 80.44
χ² / ndf 55.27 / 13
Width 15.3± 1.6
Peak 67.3 ± 1.6
Mean 20.69 ± 0.02
Sigma 11.4 ± 0.01

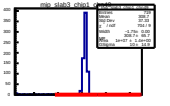

mip_slab2_chip15_chan41
Entries 1000
Mean 19.7
Std Dev 80.44
χ² / ndf 55.27 / 13
Width 15.3± 1.6
Peak 67.3 ± 1.6
Mean 20.69 ± 0.02
Sigma 11.4 ± 0.01

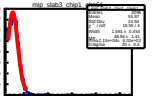

mip_slab3_chip0_
Entries 1000000
Mean 1.1
RMS 0.4
χ² / ndf 1.4e+3 / 97
Prob 0
Constant 1.1e+6 ± 1.1e+3
MPV 0.9 ± 0.0
Sigma 0.1 ± 0.0
160
140
120
100
80
60
40
20
0

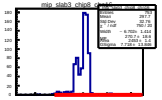

mip_slab3_chip1_ch25
Entries 1000
Mean 13.14
Std Dev 13.16
χ² / ndf 2780 / 13
Width -1.79± 0.12
Mean 14.17± 0.12
Sigma 14.17± 1.44e+03
Sigma 20 ± 0.0

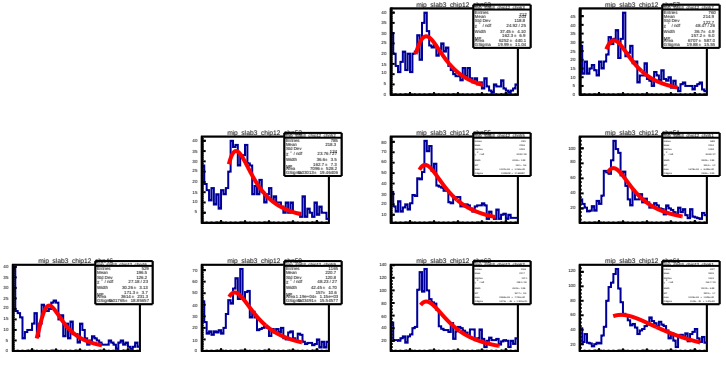

mip_slab3_chip1_ch25
Entries 2000
Mean 2.02
Std Dev 1.04
χ² / ndf 442 / 28
Width -0.0791± 0.025
Mean 1.97± 0.0
Sigma 1.97± 1.44e+03
Sigma 2.0 ± 0.0

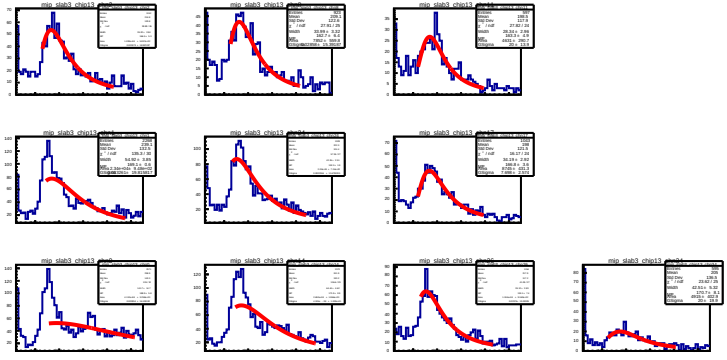

mip_slab3_chip1_ch25
Entries 1000
Mean 0.0 ± 0.0
Std Dev 0.0 ± 0.0
χ² / ndf 0.0 / 0
Width 0.3399± 0.1017
Mean 0.0 ± 0.7
Sigma 0.0 ± 1.44e+03
Sigma 0.0111 ± 1.0000


mip_slab3_chip1_ch25
Entries 2000
Mean 2.02
Std Dev 0.0 ± 0.0
χ² / ndf 0.0 / 0
Width -1.77± 0.05
Mean -0.0 ± -0.0
Sigma 1.97± 1.44e+03
Sigma 0.0 ± 0.0


mip_slab3_chip1_ch25
Entries 1000
Mean 0.0 ± 0.0
Std Dev 0.0 ± 0.0
χ² / ndf 15.58 / 5
Width 1.695± 0.454
Mean 0.0 ± 0.0
Sigma 1.11e+03± 0.0e+03
Sigma 20 ± 0.0


msp_slab3_chip8_c4x16
Entries 1000
Mean 29.17
RMS 32.75
χ / ndf 7661 / 29
Mean - 0.7024 ± 1.414
Sigma 0.9 ± 1.0
RMS - 2.641 ± 0.6
Integrals 7.234 ± 23.935
180
160
140
120
100
80
60
40
20
0


mip_slab3_chip12_strip52
Entries 258
Mean 24.
Std Dev 6.
χ² / ndf 24.92 / 29
Width 27.05 ± 4.10
MPV 142.2 ± 9.8
Area 1.1e+04 ± 1.3e+03
Integral 13.98 ± 13.58
mip_slab3_chip12_strip53
Entries 2474
Mean 28.
Std Dev 6.
χ² / ndf 32.77 / 29
Width 28.71 ± 4.5
MPV 147.2 ± 9.0
Area 1.2e+04 ± 1.4e+03
Integral 13.98 ± 13.58
mip_slab3_chip12_strip54
Entries 2487
Mean 23.
Std Dev 6.
χ² / ndf 23.76 / 29
Width 30.4 ± 3.3
MPV 152.7 ± 7.3
Area 1.2e+04 ± 1.4e+03
Integral 13.98 ± 13.58
mip_slab3_chip12_strip55
mip_slab3_chip12_strip56
mip_slab3_chip12_strip57
Entries 1969
Mean 19.
Std Dev 6.
χ² / ndf 27.18 / 29
Width 30.26 ± 3.23
MPV 152.1 ± 7.1
Area 1.1e+04 ± 1.2e+03
Integral 13.98 ± 13.58
mip_slab3_chip12_strip58
Entries 2102
Mean 19.
Std Dev 6.
χ² / ndf 18.27 / 29
Width 42.49 ± 4.70
MPV 152.1 ± 7.1
Area 1.1e+04 ± 1.2e+03
Integral 13.98 ± 13.58
mip_slab3_chip12_strip59
mip_slab3_chip12_strip60


mip_slab3_chip13_chan1
mip_slab3_chip13_chan2
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mip_slab3_chip13_chan4
mip_slab3_chip13_chan5
mip_slab3_chip13_chan6
mip_slab3_chip13_chan7
mip_slab3_chip13_chan8
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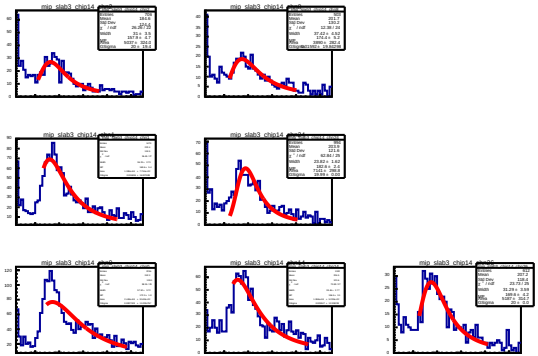
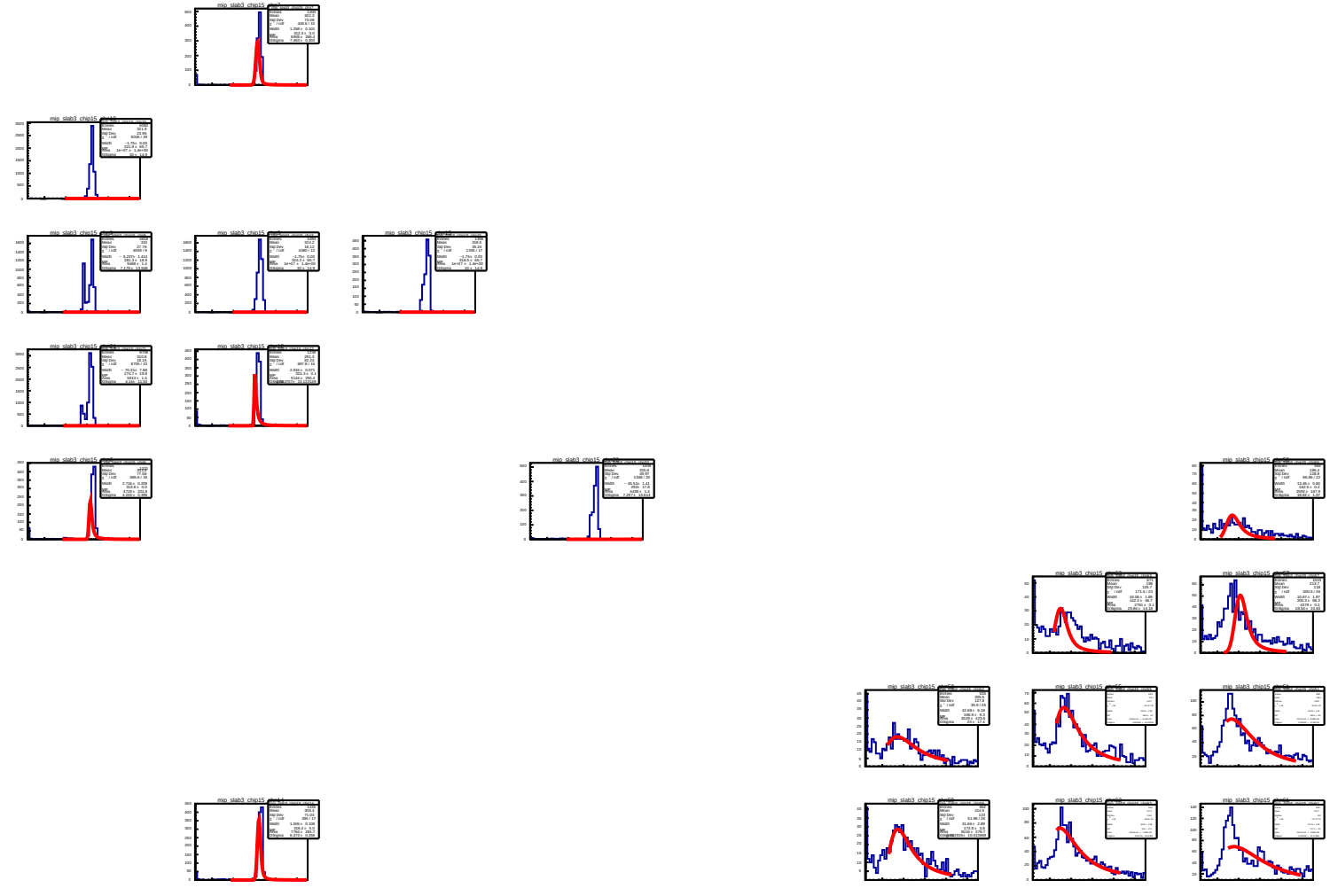
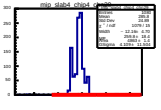
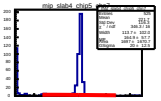
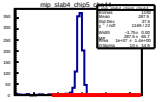
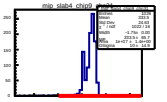

mip_slab3_chip14_strip1
Entries 1024
Mean 33.6
Std Dev 26.07
χ² / ndf 37.5 / 15
width 31.1 ± 3.5
MPV 157.6 ± 2.7
Area 1.07 ± 0.04
Sigma 10.7 ± 13.4
mip_slab3_chip14_strip2
Entries 1024
Mean 33.7
Std Dev 22.57
χ² / ndf 22.38 / 14
width 37.17 ± 4.51
MPV 172.4 ± 5.2
Area 1.07 ± 0.04
Sigma 10.2 ± 0.6
mip_slab3_chip14_strip3
Entries 1024
Mean 33.7
Std Dev 12.1
χ² / ndf 23.82 / 13
width 19.0 ± 2.4
MPV 182.6 ± 3.2
Area 1.07 ± 0.03
Sigma 10.6 ± 0.6
mip_slab3_chip14_strip4
Entries 1024
Mean 33.7
Std Dev 12.6
χ² / ndf 23.82 / 13
width 19.0 ± 2.4
MPV 182.6 ± 3.2
Area 1.07 ± 0.03
Sigma 10.6 ± 0.6
mip_slab3_chip14_strip5
Entries 1024
Mean 33.7
Std Dev 12.6
χ² / ndf 23.82 / 13
width 19.0 ± 2.4
MPV 182.6 ± 3.2
Area 1.07 ± 0.03
Sigma 10.6 ± 0.6
mip_slab3_chip14_strip6
Entries 1024
Mean 33.7
Std Dev 12.6
χ² / ndf 23.82 / 13
width 19.0 ± 2.4
MPV 182.6 ± 3.2
Area 1.07 ± 0.03
Sigma 10.6 ± 0.6
mip_slab3_chip14_strip7
Entries 1024
Mean 33.7
Std Dev 12.6
χ² / ndf 23.82 / 13
width 19.0 ± 2.4
MPV 182.6 ± 3.2
Area 1.07 ± 0.03
Sigma 10.6 ± 0.6
mip_slab3_chip14_strip8
Entries 1024
Mean 33.7
Std Dev 12.6
χ² / ndf 23.82 / 13
width 19.0 ± 2.4
MPV 182.6 ± 3.2
Area 1.07 ± 0.03
Sigma 10.6 ± 0.6

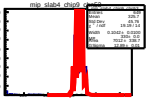


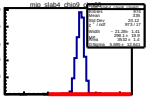

mip_slab4_cpb4_ptm20
Entries 2000
Mean 250.2
Std Dev 23.08
χ² / ndf 1.08
p0 1.000 ± 0.000
p1 - 12.24e - 4 ± 0.75
p2 2935.8 ± 12.4
Mean x 250.1
Integral 2.000e+03
300
250
200
150
100
50
0

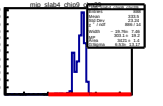

mip slab4 chip5 chan2
Entries 1000
Mean 1111
Std Dev 3.7 ± 0.0
Width 110.7 ± 102.2
Peak 1000.0 ± 0.0
Mean 1087.1 ± 0.1
Sigma 20.4 ± 0.1

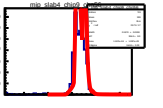

mip slab4 chip5 chan4
Entries 1000
Mean 2187.5
Std Dev 3.7 ± 0.0
Width 1160.7 ± 0.0
Peak 0.750 ± 0.00
Mean 1000.0 ± 0.0
Sigma 14×10^-27 ± 1.4×10^-27
Chi2/ndf 10.1 / 0.0

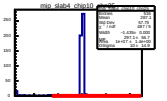

mip_slab4_chip2_ch24
Entries 10000
Mean 24.11
Std Dev 23.68
χ / ndf 10227 / 19
p0 / ndf 0.75e 0.00
Peak 14.07 ± 0.04
Width 1.14 ± 0.03
Chi2/ndf 24 / 19

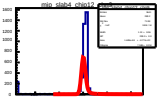

mip_slab4_chip2_ch25
Entries 10000
Mean 24.11
Std Dev 23.68
χ / ndf 19.05 / 11
p0 / ndf 0.00e 0.00
Peak 0.00e 0.00
Width 0.00e 0.00
Chi2/ndf 0.00e 0.00

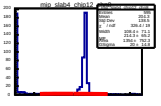

mip_slab4_chip2_ch26
Entries 10000
Mean 24.11
Std Dev 23.68
χ / ndf 1072 / 17
p0 / ndf 21.09e 1.41
Peak 28.11 ± 0.4
Width 1.14 ± 0.3
Chi2/ndf 5.895e 0.35

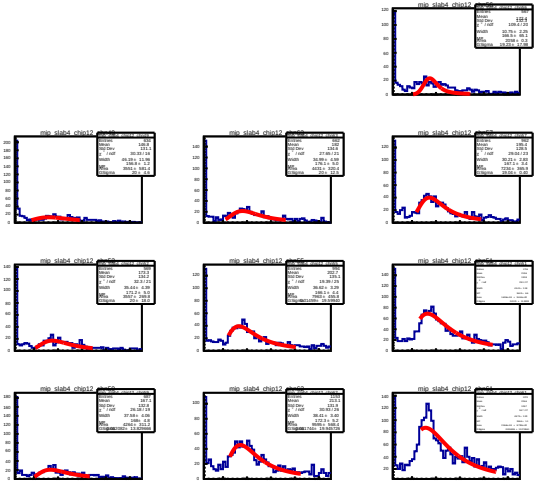

mip_slab4_chip2_ch27
Entries 10000
Mean 24.11
Std Dev 23.68
χ / ndf 23.4 / 17
p0 / ndf 15.76e 2.45
Peak 30.11 ± 0.4
Width 1.02 ± 0.4
Chi2/ndf 1.377 ± 0.1


mip_slab4_chip2_ch28
Entries 10000
Mean 24.11
Std Dev 23.68
χ / ndf 0.00e 0.00
p0 / ndf 0.00e 0.00
Peak 0.00e 0.00
Width 0.00e 0.00
Chi2/ndf 0.00e 0.00

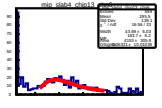

mip_slab4_chn31_mc_05
Entries 2873
Mean 32.75
Std Dev 0.0171
χ² / ndf 2.05e+ 0.0E2
MPV 2.05e+ 0.0E2
Sigma 3.01e-01 ± 1.4e+01
Integral 8.61e+ 1.0E3

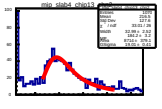

mip_slab4_chip12_ch0
Entries 2000
Mean 1.000
Std Dev 0.000
χ² / ndf 0.000
Width 0.000
Area 1000
Mean 1.000
Sigma 0.000

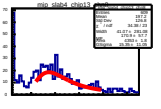

mip_slab4_chip12_ch1
Entries 2000
Mean 2.000
Std Dev 0.000
χ² / ndf 326.4 / 19
Width 108.4 ± 7.1
Area 214.3 ± 45.2
Mean 1.000
Sigma 0.0 ± 0.0

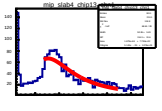

mip_slab4_chip12_ch2
Entries 1000
Mean 1.000
Std Dev 0.000
χ² / ndf 326.4 / 19
Width 0.000
Area 1000
Mean 1.000
Sigma 0.000
mip_slab4_chip12_ch3
Entries 1000
Mean 1.000
Std Dev 0.000
χ² / ndf 30.50 / 18
Width 69.30 ± 11.76
Area 169.9 ± 1.2
Mean 3.000
Sigma 0.0 ± 0.0
mip_slab4_chip12_ch4
Entries 1000
Mean 1.000
Std Dev 0.000
χ² / ndf 27.60 / 20
Width 32.99 ± 4.59
Area 176.4 ± 9.0
Mean 3.000
Sigma 0.0 ± 0.0
mip_slab4_chip12_ch5
Entries 1000
Mean 1.000
Std Dev 0.000
χ² / ndf 29.04 / 18
Width 30.21 ± 2.85
Area 147.4 ± 7.4
Mean 3.000
Sigma 0.0 ± 0.0
mip_slab4_chip12_ch6
Entries 1000
Mean 1.000
Std Dev 0.000
χ² / ndf 19.70 / 19
Width 39.42 ± 3.28
Area 172.2 ± 9.0
Mean 3.000
Sigma 0.0 ± 0.0
mip_slab4_chip12_ch7
Entries 1000
Mean 1.000
Std Dev 139.1
χ² / ndf 19.70 / 19
Width 39.42 ± 3.28
Area 386.0 ± 6.6
Mean 3.000
Sigma 139.1 ± 0.0
mip_slab4_chip12_ch8
Entries 1000
Mean 1.000
Std Dev 0.000
χ² / ndf 20.87 / 18
Width 37.58 ± 4.06
Area 154.7 ± 10.1
Mean 4.000
Sigma 0.0 ± 0.0
mip_slab4_chip12_ch9
Entries 1000
Mean 1.000
Std Dev 131.8
χ² / ndf 30.67 / 19
Width 38.41 ± 3.40
Area 386.0 ± 6.6
Mean 4.000
Sigma 131.8 ± 0.0
mip_slab4_chip12_ch10
Entries 1000
Mean 1.000
Std Dev 0.000
χ² / ndf 30.67 / 19
Width 38.41 ± 3.40
Area 386.0 ± 6.6
Mean 4.000
Sigma 0.0 ± 0.0

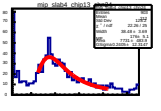
mip slab4 chip13 strip5
Entries 117.0
Mean 237.5
Std Dev 237.5
χ / ndf 39.00 / 21
Width 42.58 ± 23.22
Area 137.6 ± 3.0
MPV 193.1 ± 167.7
Sigma 20 ± 15.5

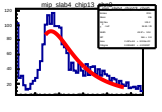

mip slab4 chip13 strip6
Entries 105.0
Mean 335.5
Std Dev 335.5
χ / ndf 16.08 / 23
Width 13.89 ± 9.01
Area 105.0 ± 3.0
MPV 1202 ± 305.9
Sigma 1117 ± 1117.9

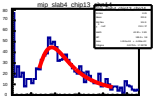

mip slab4 chip13 strip7
Entries 1224
Mean 1224
Std Dev 1224
χ / ndf 35.01 / 26
Width 32.99 ± 2.12
Area 1241 ± 3.2
MPV 1750.9 ± 37.7
Sigma 1170.6 ± 5.2

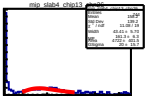

mip slab4 chip13 strip8
Entries 1277
Mean 1277
Std Dev 1277
χ / ndf 34.38 / 18
Width 41.07 ± 291.05
Area 1759.9 ± 37.7
MPV 1170.6 ± 5.2
Sigma 35.38 ± 1.05

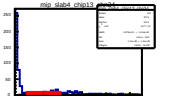

mip slab4 chip13 strip9
Entries 1252
Mean 1252
Std Dev 1252
χ / ndf 35.01 / 26
Width 35.01 ± 3.05
Area 1750 ± 3.3
MPV 7720 ± 49.7
Sigma 1170.6 ± 5.2

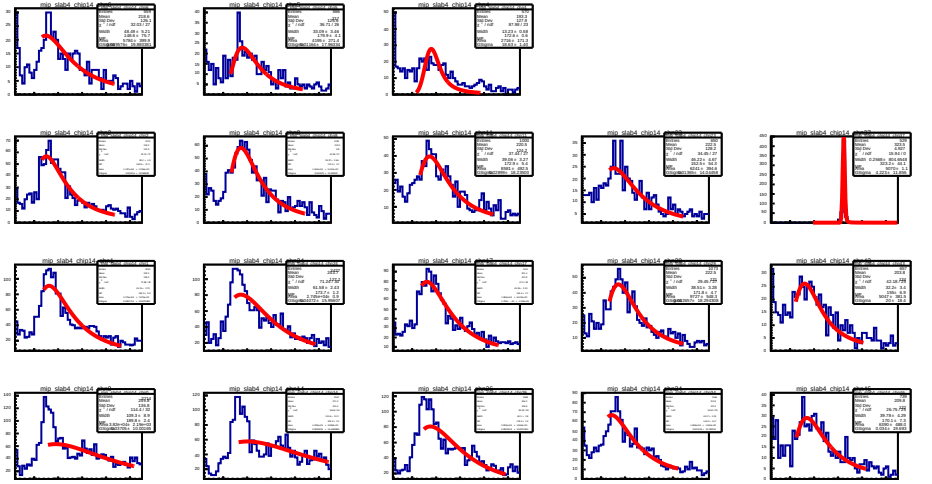

mip slab4 chip13 strip10
Entries 1252
Mean 1252
Std Dev 1252
χ / ndf 35.01 / 26
Width 35.01 ± 3.05
Area 1750 ± 3.3
MPV 7720 ± 49.7
Sigma 1170.6 ± 5.2


mip slab4 chip13 strip11
Entries 1252
Mean 1252
Std Dev 1252
χ / ndf 35.01 / 26
Width 35.01 ± 3.05
Area 1750 ± 3.3
MPV 7720 ± 49.7
Sigma 1170.6 ± 5.2


mip slab4 chip13 strip12
Entries 1252
Mean 1252
Std Dev 1252
χ / ndf 35.01 / 26
Width 35.01 ± 3.05
Area 1750 ± 3.3
MPV 7720 ± 49.7
Sigma 1170.6 ± 5.2


mip slab4 chip13 strip13
Entries 1252
Mean 1252
Std Dev 1252
χ / ndf 11.87 / 18
Width 43.41 ± 9.70
Area 1750 ± 3.3
MPV 4722 ± 101.9
Sigma 20 ± 15.5


mip slab4 chip13 strip14
Entries 1252
Mean 1252
Std Dev 1252
χ / ndf 35.01 / 26
Width 35.01 ± 3.05
Area 1750 ± 3.3
MPV 7720 ± 49.7
Sigma 1170.6 ± 5.2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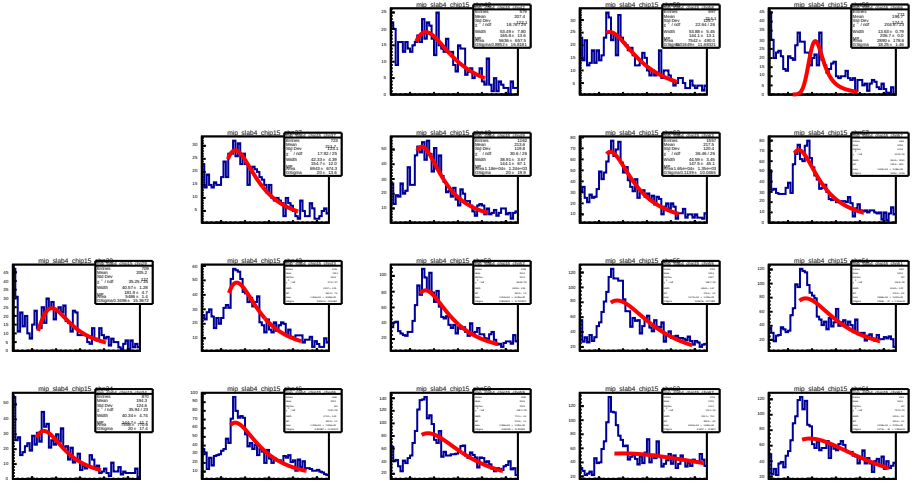
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mip_slab4_chip15_ch2
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mip_slab4_chip15_ch10
mip_slab4_chip15_ch11
mip_slab4_chip15_ch12
mip_slab4_chip15_ch13
mip_slab4_chip15_ch14
mip_slab4_chip15_ch15
mip_slab4_chip15_ch16
mip_slab4_chip15_ch17
mip_slab4_chip15_ch18
mip_slab4_chip15_ch19