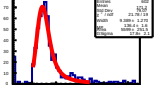
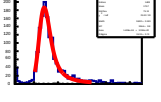
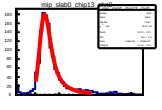
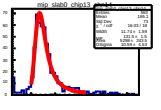
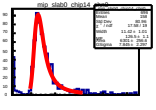
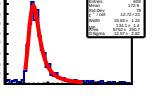

mip_slab0_chip12_chan35
Entries 1024
Mean 21.70 / 19
Sigma 9.389 ± 1.270
Const 1.000 ± 0.000
MPV 6699 ± 241.5
Width 37.0 ± 2.1

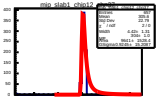

mip_slab0_chip12_chan36

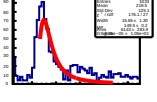

mip slab0 chip13
Entries 2000
Mean 14.01
RMS 2.12
Underflow 0
Overflow 0
Integral 1999.0
Skewness 0.0000 ± 0.0000
Kurtosis 0.0000 ± 0.0000
Chi2 / ndf 1.0000 / 0.0000
Prob 1.0000
Constant 0.0000 ± 0.0000
Mean 14.01 ± 0.00
Sigma 2.12 ± 0.00
Constant 0.0000 ± 0.0000
Mean 0.0000 ± 0.0000
Sigma 0.0000 ± 0.0000

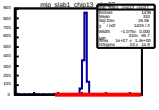

mip slab0 chip14
Entries 2000
Mean 14.01
RMS 2.12
Underflow 0
Overflow 0
Integral 1999.0
Skewness 0.0000 ± 0.0000
Kurtosis 0.0000 ± 0.0000
Chi2 / ndf 1.0000 / 0.0000
Prob 1.0000
Constant 0.0000 ± 0.0000
Mean 14.01 ± 0.00
Sigma 2.12 ± 0.00
Constant 0.0000 ± 0.0000
Mean 0.0000 ± 0.0000
Sigma 0.0000 ± 0.0000

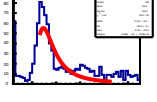

msp_slab0_chip14_ch0
Entries 1000
Mean 20.04
Std Dev 10.88
χ² / ndf 17.87 / 19
Width 11.43 ± 3.01
Sigma 4.04 ± 0.21
Mpv 0.923 ± 2.06 ·
Integral 7.60 ± 2.22
90
80
70
60
50
40
30
20
10
0

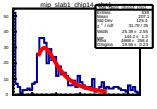

mip slab0 chip15 gain0
Entries 1000
Mean 1.224
Underflow 0
Overflow 0
χ² / ndf 12.72 / 17
Width 0.183 ± 1.16
Mean 0.702 ± 2.67
Sigma 0.137 ± 1.1

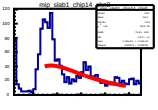

mip_slab1_chip12_chan32
Entries 1000
Mean 22.78
Std Dev 1.49
χ² / ndf 1.01 / 1
Width 0.61 ± 0.01
MPV 9.61 ± 0.01
Integral 8.00e+3

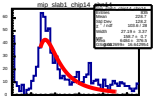

mip_slab1_chip12_chan32
Entries 2000
Mean 22.3
Std Dev 1.73
χ² / ndf 176.2 / 17
Width 0.80 ± 1.10
MPV 9.61 ± 0.01
Integral 63.0 ± 10.5
Signal -0 ± 0.0

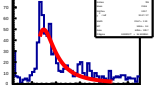

mip_slab1_chip13_chan3
Entries 1158
Mean 1.000
RMS 0.000
Underflow 0
Overflow 0
Integral 1158.00
Skewness 0.2750± 0.0202
Kurtosis 2.000± 60.00
MPV 94.00
Sigma 0.1000
Chi2 / ndf 0.0 / 0.0
900
800
700
600
500
400
300
200
100
0

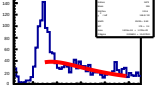

mip_slab1_chip13_chan4
Entries 1158
Mean 1.000
RMS 0.000
Underflow 0
Overflow 0
Integral 1158.00
Skewness 0.2750± 0.0202
Kurtosis 2.000± 60.00
MPV 94.00
Sigma 0.1000
Chi2 / ndf 0.0 / 0.0
80
70
60
50
40
30
20
10
0

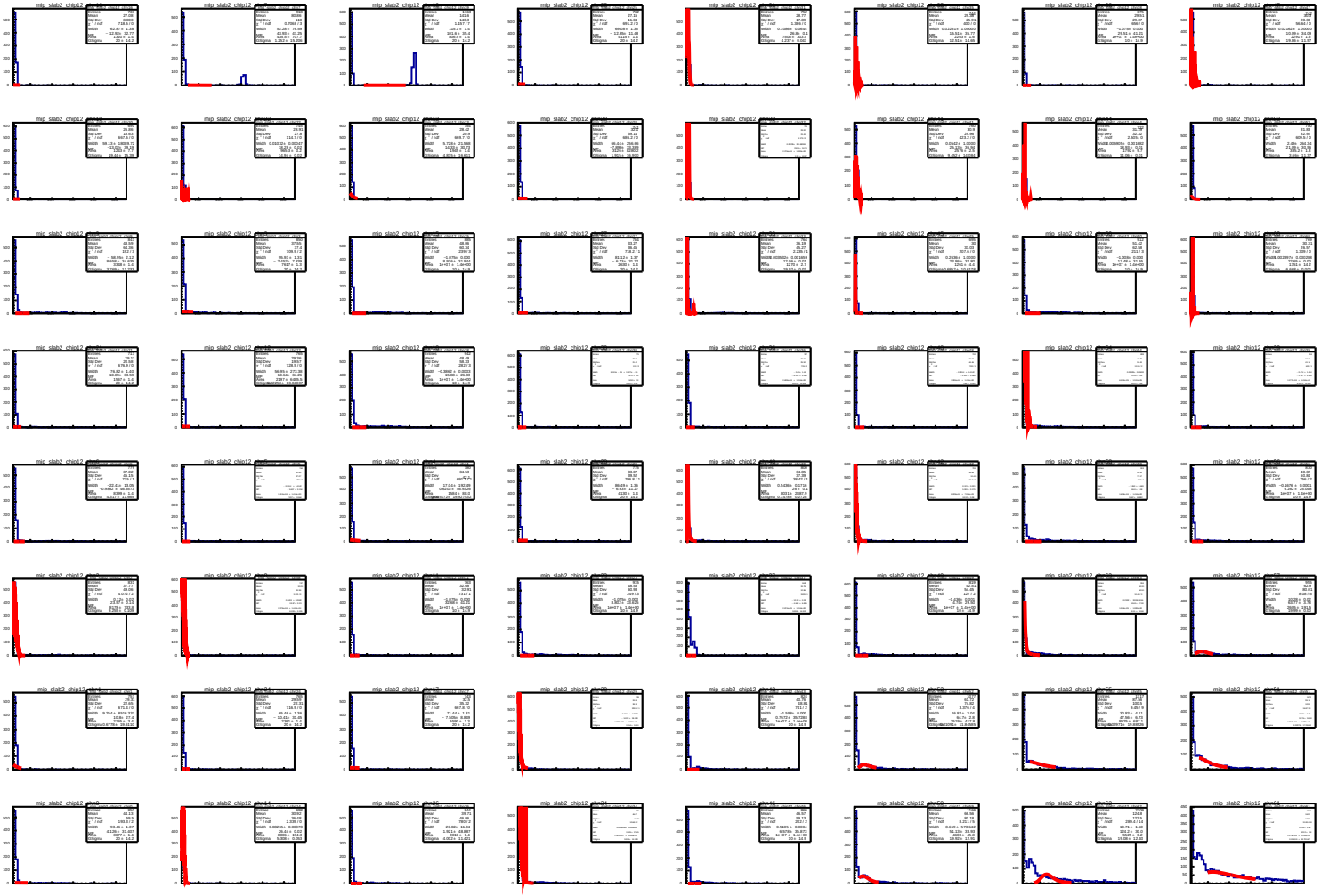

mip slab1 chip14 chnl
Entries 1000
Mean 32.17
Std Dev 129.4
χ² / ndf 31.16 / 6
Const 25.39 ± 2.04
MPV 140.2 ± 1.3
Width 19.56 ± 0.94
Integral 19.56 ± 0.2
50
40
30
20
10
0

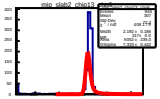

mip slab1 chip14 chnl
Entries 1000
Mean 32.17
Std Dev 129.4
χ² / ndf 1.06 / 16
Const 0.01 ± 0.01
MPV 0.0 ± 0.0
Width 0.0 ± 0.0
Integral 0.0 ± 0.0
120
100
80
60
40
20
0

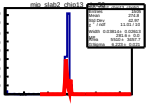

mip slab1 chip14 chnl
Entries 1000
Mean 32.17
Std Dev 129.4
χ² / ndf 103.87 / 15
Const 27.18 ± 3.17
MPV 140.2 ± 1.3
Width 9.80 ± 0.5
Integral 19.56 ± 0.2
35
30
25
20
15
10

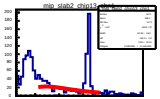

mip slab1 chip15 channel
Entries 1000
Mean 0.0000
RMS 0.0000
Underflow 0
Overflow 0
Integral 1000.
Skewness 0.0000
Kurtosis 0.0000
Mean x 0.0000
Mean y 0.0000
Std Dev x 0.0000
Std Dev y 0.0000
Constant 1.0000e+03
Mean 0.0000
Sigma 0.0000
Chi2 / ndf 0.0000 / 0.0000
Constant 1.0000e+03

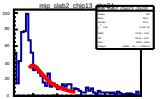

mip slab1 chip15 channel
Entries 1000
Mean 0.0000
RMS 0.0000
Underflow 0
Overflow 0
Integral 1000.
Skewness 0.0000
Kurtosis 0.0000
Mean x 0.0000
Mean y 0.0000
Std Dev x 0.0000
Std Dev y 0.0000
Constant 1.0000e+03
Mean 0.0000
Sigma 0.0000
Chi2 / ndf 0.0000 / 0.0000
Constant 1.0000e+03

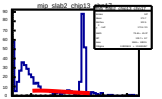


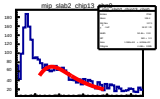

mip slab2 chip13

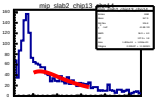

mip slab2 chip13

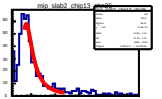

mip slab2 chip13

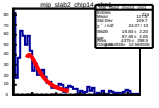

mip slab2 chip13

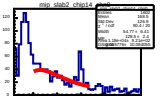

mip slab2 chip13

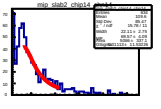

mip slab2 chip13

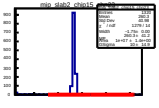

mip slab2 chip13

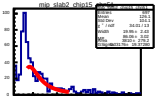

mip slab2 chip13

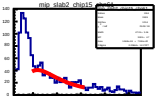

mip_slab2_chip14_chn1
Entries 1177
Mean 103.7
Std Dev 24.07
χ² / ndf 19.83 / 13
Width 37.49 ± 2.05
MPV 117.0 ± 2.06
Area 2395.5 ± 54.06
Sigma(MPV) 14.00 ± 0.80

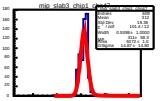

mip_slab2_chip14_chn2
Entries 1000
Mean 160.6
Std Dev 52.17
χ² / ndf 52.17 / 30
Width 54.77 ± 9.41
MPV 160.6 ± 10.00
Area 5184.0 ± 313.0
Sigma(MPV) 20.00 ± 0.00

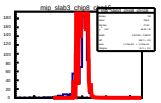

mip_slab2_chip14_chn3
Entries 1000
Mean 103.7
Std Dev 35.78
χ² / ndf 35.78 / 11
Width 20.11 ± 2.73
MPV 103.7 ± 2.73
Area 5280.1 ± 207.5
Sigma(MPV) 11.11 ± 0.00

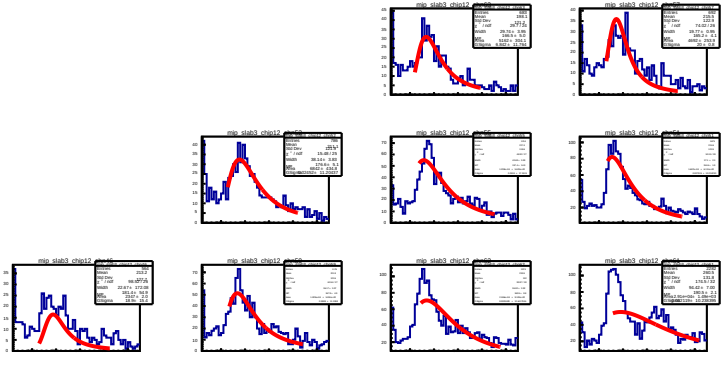

mip slab2 chip15 ch=13
Entries 1024
Mean 2.07
Std Dev 0.07
χ² / ndf 1270 / 14
Width -1.75± 0.01
Area 31.0 ± 41.0
MPV 54.07 ± 0.01
Sigma 0.0 ± 0.0

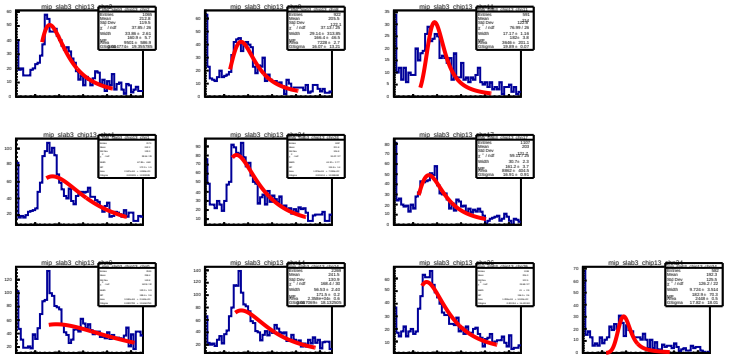

mip slab2 chip15 ch=14
Entries 1024
Mean 2.07
Std Dev 0.13
χ² / ndf 1013 / 14
Width 15.96 ± 2.15
Area 38.96 ± 8.42
MPV 54.07 ± 0.01
Sigma 0.0 ± 0.0

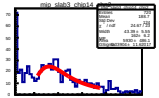

mip slab2 chip15 ch=15

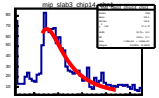

mip_slab3_chip1_chan25
Entries 1000
Mean 15.8
Std Dev 15.17
χ² / ndf 15.17 / 7
Width 0.00000 ± 0.00000
Mean 0.00000 ± 0.00000
Sigma 14.87 ± 1.21

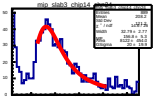

mip slab3 chpd chpdf
180
160
140
120
100
80
60
40
20
0
mip
slab3
chpd
chpdf
mu_mu
mu_mu
mu_mu

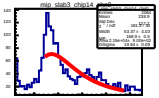

mip_slab3_chip12_chan52
Entries 1364
Mean 111.1
Std Dev 27.12
χ² / ndf 26.27 / 6
Width 29.31 ± 3.55
MPV 128.9 ± 9.0
Area 1364 ± 52.0
Sigma 8.553 ± 1.752
mip_slab3_chip12_chan53
Entries 2364
Mean 112.4
Std Dev 27.7
χ² / ndf 74.02 / 8
Width 35.77 ± 3.55
MPV 145.0 ± 1.4
Area 4400 ± 52.0
Sigma 10 ± 0.8
mip_slab3_chip12_chan54
Entries 2364
Mean 111.1
Std Dev 25.57
χ² / ndf 29.34 / 6
Width 30.14 ± 3.45
MPV 129.6 ± 1.3
Area 4400 ± 52.0
Sigma 8.553 ± 0.827
mip_slab3_chip12_chan55
mip_slab3_chip12_chan56
mip_slab3_chip12_chan57
Entries 2364
Mean 112.4
Std Dev 27.7
χ² / ndf 74.02 / 8
Width 35.77 ± 3.55
MPV 145.0 ± 1.4
Area 4400 ± 52.0
Sigma 10 ± 0.8
mip_slab3_chip12_chan58
Entries 2364
Mean 112.4
Std Dev 27.7
χ² / ndf 74.02 / 8
Width 35.77 ± 3.55
MPV 145.0 ± 1.4
Area 4400 ± 52.0
Sigma 10 ± 0.8
mip_slab3_chip12_chan59
Entries 2364
Mean 112.4
Std Dev 27.7
χ² / ndf 74.02 / 8
Width 35.77 ± 3.55
MPV 145.0 ± 1.4
Area 4400 ± 52.0
Sigma 10 ± 0.8
mip_slab3_chip12_chan60
Entries 2364
Mean 112.4
Std Dev 27.7
χ² / ndf 74.02 / 8
Width 35.77 ± 3.55
MPV 145.0 ± 1.4
Area 4400 ± 52.0
Sigma 10 ± 0.8

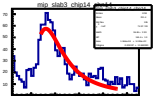

mip_slab3_chip13_chan1
mip_slab3_chip13_chan2
mip_slab3_chip13_chan3
mip_slab3_chip13_chan4
mip_slab3_chip13_chan5
mip_slab3_chip13_chan6
mip_slab3_chip13_chan7
mip_slab3_chip13_chan8
mip_slab3_chip13_chan9
mip_slab3_chip13_chan10
mip_slab3_chip13_chan11
mip_slab3_chip13_chan12

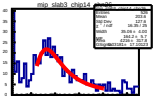

mip_slab3_chip14_strip1
Entries 1000
Mean 24.67
Std Dev 7.58
χ² / ndf 23.39 / 5.55
Constant 19.61 ± 0.2
MPV 24.67 ± 0.1
Sigma 1.24e+00 ± 9.93e-02
Integral 11.6313 ± 0.0

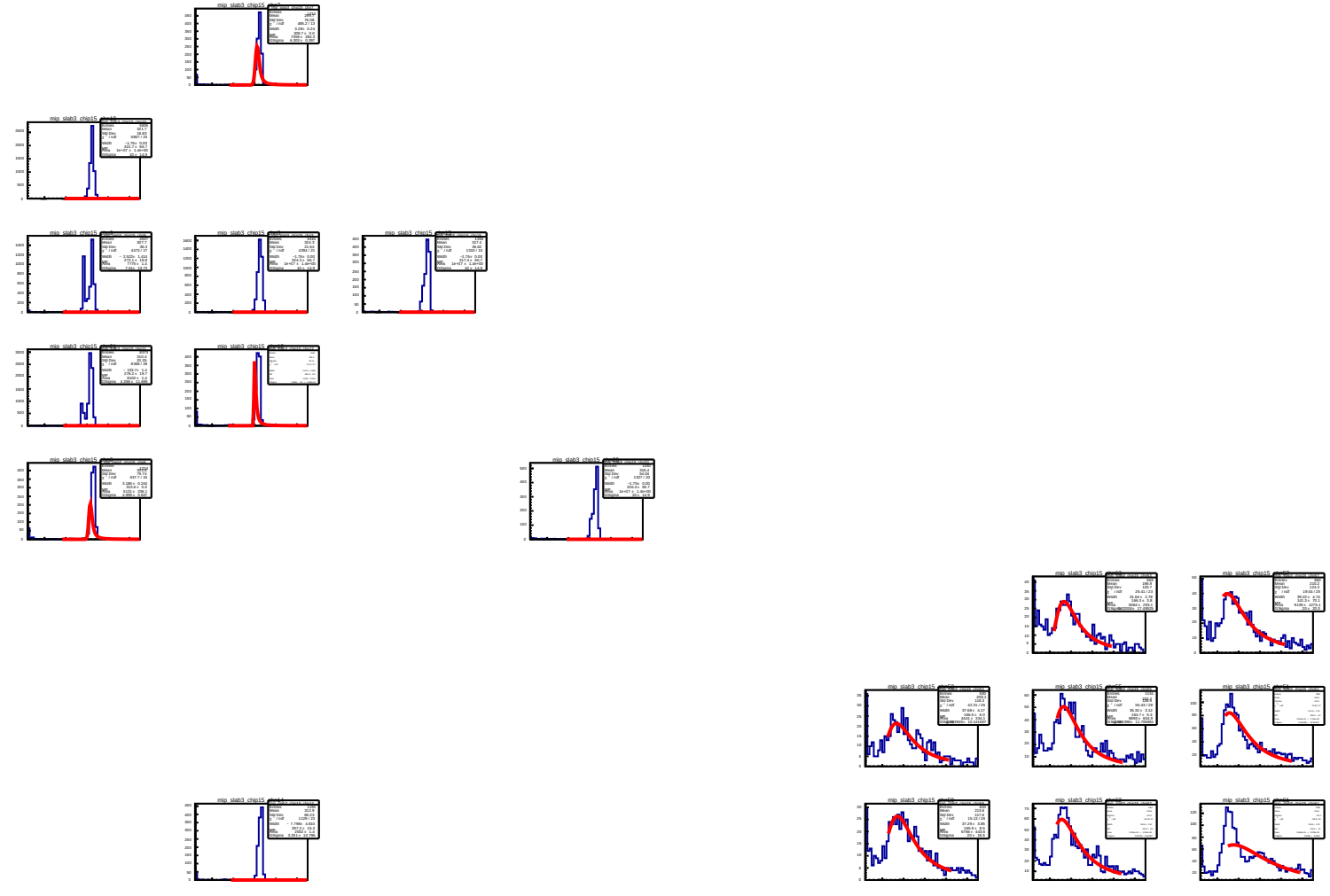

mip_slab3_chip14_strip2
Entries 1000
Mean 16.67
Std Dev 4.17
χ² / ndf 181.97 / 16
Constant 53.37 ± 0.23
MPV 16.67 ± 0.02
Sigma 1.24e+00 ± 9.93e-03
Integral 19.44 ± 0.19

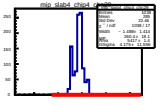

mip_slab3_chip14_strip3
Entries 1000
Mean 19.57
Std Dev 3.77
χ² / ndf 32.75 / 17
Constant 150.8 ± 5.3
MPV 19.57 ± 0.03
Sigma 1.24e+00 ± 2.01e-02
Integral 19.0 ± 0.1

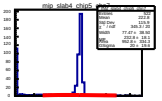

mip_slab3_chip14_strip4
Entries 1000
Mean 19.14
Std Dev 3.62
χ² / ndf 181.97 / 16
Constant 53.37 ± 0.23
MPV 19.14 ± 0.02
Sigma 1.24e+00 ± 9.93e-03
Integral 19.44 ± 0.19

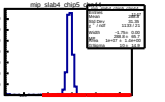

mip_slab3_chip14_strip5
Entries 1000
Mean 19.14
Std Dev 3.62
χ² / ndf 181.97 / 16
Constant 53.37 ± 0.23
MPV 19.14 ± 0.02
Sigma 1.24e+00 ± 9.93e-03
Integral 19.44 ± 0.19

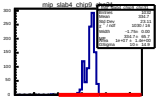

mip_slab3_chip14_strip6
Entries 1000
Mean 16.67
Std Dev 4.17
χ² / ndf 39.06 / 8.00
Constant 23.64 ± 0.7
MPV 16.67 ± 0.1
Sigma 1.24e+00 ± 9.93e-02
Integral 11.6313 ± 0.0

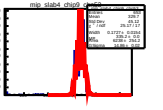


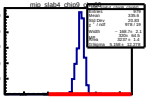

mip slab4 c3b4 ped0
Entries 2000
Mean 22.8
Std Dev 22.9
χ / ndf 1.e+06 / 1
p0 1.498e+ 3.414
p1 2910.0 ± 10.1
p2 1.767 ± 0.005
p3 4.7767 ± 0.005
250
200
150
100
50
0

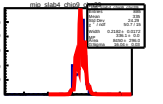

mip slab4 chip5 chan2
Entries 2152
Mean 110.8
Std Dev 110.8
χ / ndf 269.37 / 35
Width 77.47 ± 38.63
Peak 1.000 ± 0.000
Mean 602.17 ± 0.01
Sigma 20.0 ± 0.0

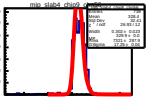

mip slab4 chip5 chan3
Entries 1887
Mean 110.7
Std Dev 113.21
χ / ndf 0.75 / 0.00
Width 0.00 ± 0.00
Peak 14×10^7 ± 1.4×10^7
Mean 20.0 ± 0.0
Sigma 0.0 ± 0.0

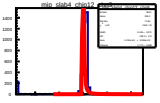

mip_slab4_chip0_chn24
Entries 1000
Mean 23.17
Std Dev 23.11
χ² / ndf 1030 / 59
N_Tot 0.00
Prob 0.00
MPV 14.07 ± 0.04e+03
Sigma 24.1 ± 0.8


mip_slab4_chip0_chn25
Entries 1000
Mean 20.17
Std Dev 19.17
χ² / ndf 35.57 / 17
Prob 0.0004
MPV 0.0004 ± 0.0
Sigma 11.04 ± 0.17


mip_slab4_chip0_chn26
Entries 1000
Mean 30.8
Std Dev 29.8
χ² / ndf 878 / 59
Prob 0.0
MPV -180.7e-11
Sigma 0.0000 ± 0.0
Sigma 0.5000 ± 0.0


mip_slab4_chip0_chn27
Entries 1000
Mean 24.8
Std Dev 24.8
χ² / ndf 1.0e+03 / 59
Prob 0.2181
MPV 0.0000 ± 0.0
Sigma 0.0000 ± 0.0
Sigma 0.0000 ± 0.0


mip_slab4_chip0_chn28
Entries 1000
Mean 23.4
Std Dev 20.1
χ² / ndf 26.92 / 12
Prob 0.0014
MPV 0.0000 ± 0.0
Sigma 0.0000 ± 0.0
Sigma 12.01 ± 0.14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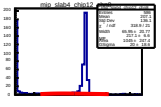
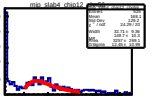
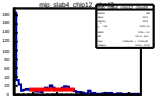
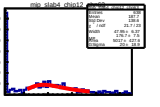
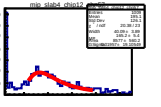
Entries 1000
Mean 1.000
Std Dev 0.000
χ² / ndf 0.000
Width 0.000
MPV 1.000
Sigma 0.000

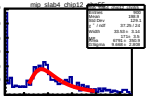

mip_slab4_chip12_ch45
Entries 1000
Mean 257.1
Std Dev 5.4
χ² / ndf 318.8 / 21
Width 65.56 ± 20.77
MPV 257.3 ± 5.4
Sigma 3.04 ± 0.04
Integral 32.7 ± 10.4

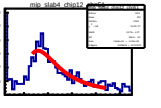

mip_slab4_chip12_ch45
Entries 1000
Mean 1004.1
Std Dev 1.0
χ² / ndf 24.28 / 25
Width 32.71 ± 9.26
MPV 1004.1 ± 0.5
Sigma 1.01 ± 0.04
Integral 12.84 ± 2.44


mip_slab4_chip12_ch45
Entries 1000
Mean 1.000
Std Dev 0.000
χ² / ndf 0.000
Width 0.000
MPV 1.000
Sigma 0.000


mip_slab4_chip12_ch45
Entries 1000
Mean 1.000
Std Dev 0.000
χ² / ndf 21.77 / 23
Width 27.95 ± 9.37
MPV 176.7 ± 7.6
Sigma 3.04 ± 0.04
Integral 7.1 ± 2.8


mip_slab4_chip12_ch45
Entries 1000
Mean 1004.1
Std Dev 1.0
χ² / ndf 33.38 / 23
Width 63.29 ± 3.49
MPV 995.4 ± 5.4
Sigma 1.01 ± 0.04
Integral 20.08 ± 0.80


mip_slab4_chip12_ch45
Entries 1000
Mean 1.000
Std Dev 0.000
χ² / ndf 37.7 / 23
Width 53.63 ± 3.14
MPV 171.1 ± 3.5
Sigma 3.04 ± 0.04
Integral 9.998 ± 2.818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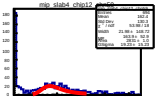
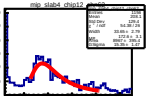
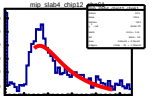
Entries 1000
Mean 1.000
Std Dev 0.000
χ² / ndf 0.000
Width 0.000
MPV 1.000
Sigma 0.000


mip_slab4_chip12_ch45
Entries 1000
Mean 1.000
Std Dev 0.000
χ² / ndf 52.80 / 13
Width 21.98 ± 148.72
MPV 1.000 ± 0.0
Sigma 19.20 ± 0.0


mip_slab4_chip12_ch45
Entries 1000
Mean 1004.1
Std Dev 1.0
χ² / ndf 54.38 / 19
Width 33.66 ± 2.70
MPV 1000.7 ± 1.7
Sigma 1.01 ± 0.04
Integral 15.95 ± 1.27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χ² / ndf 0.000
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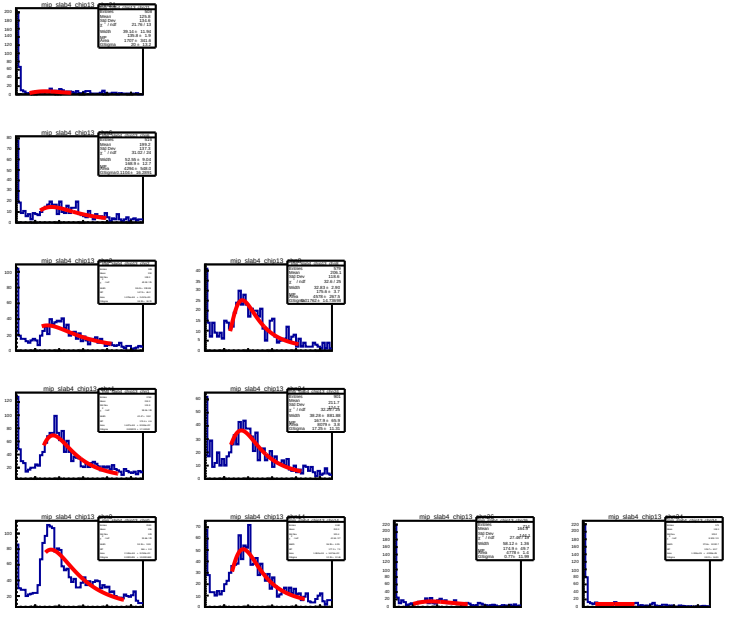
MPV 1.000
Sigma 0.000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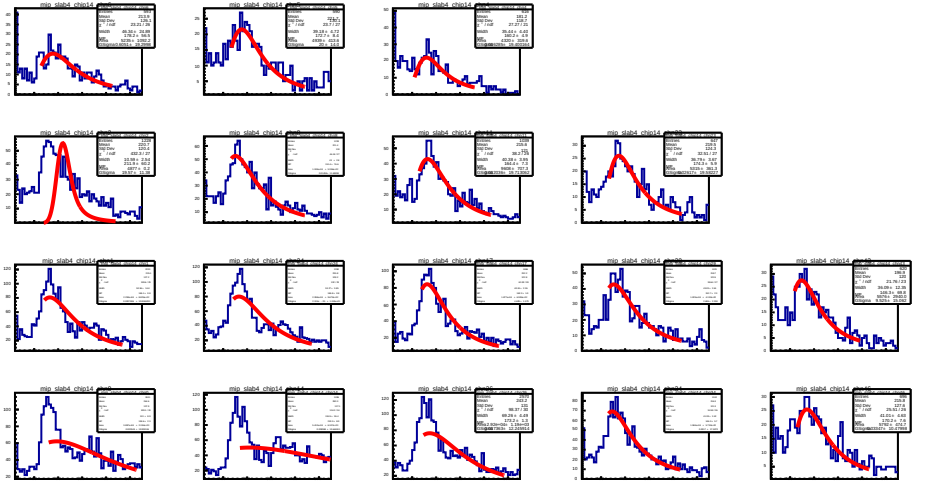
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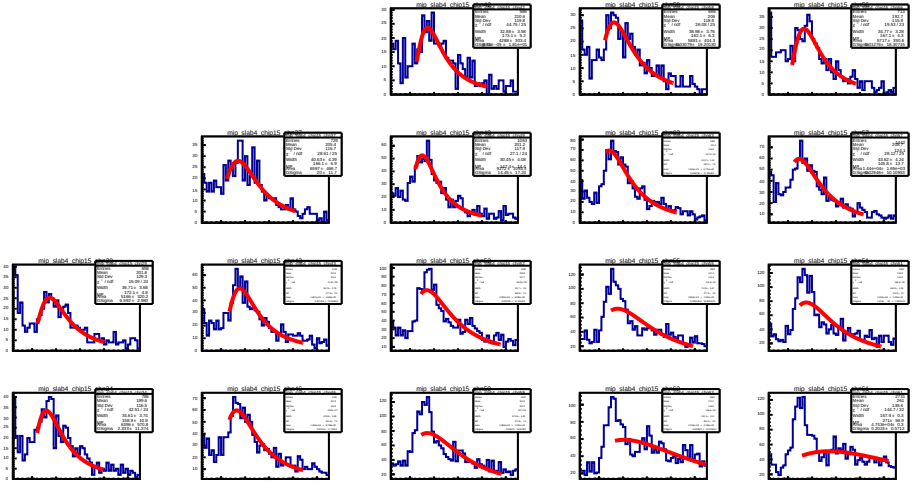
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