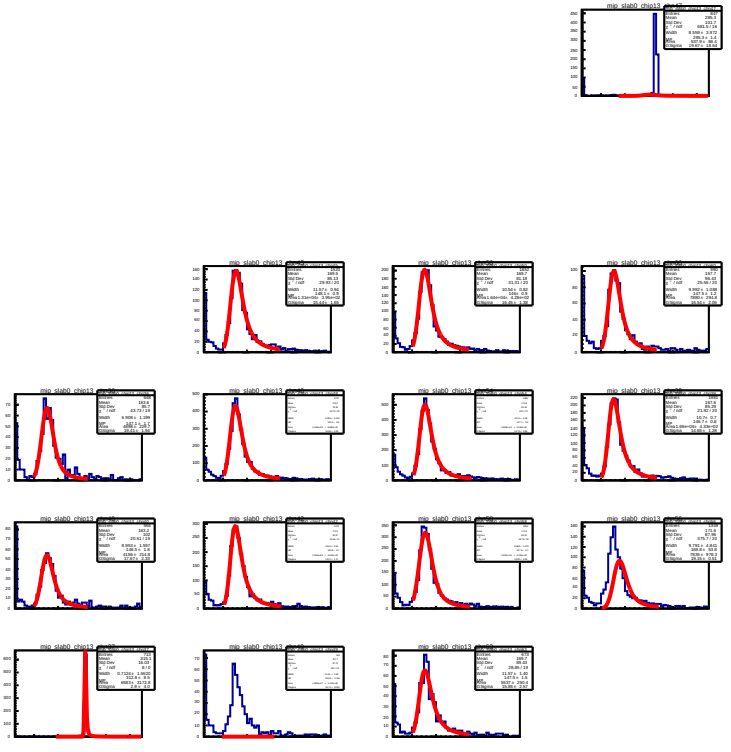
mip slab0 chip13
mip slab0 chip13
mip slab0 chip13
mip slab0 chip13
mip slab0 chip13
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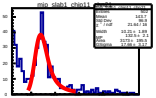
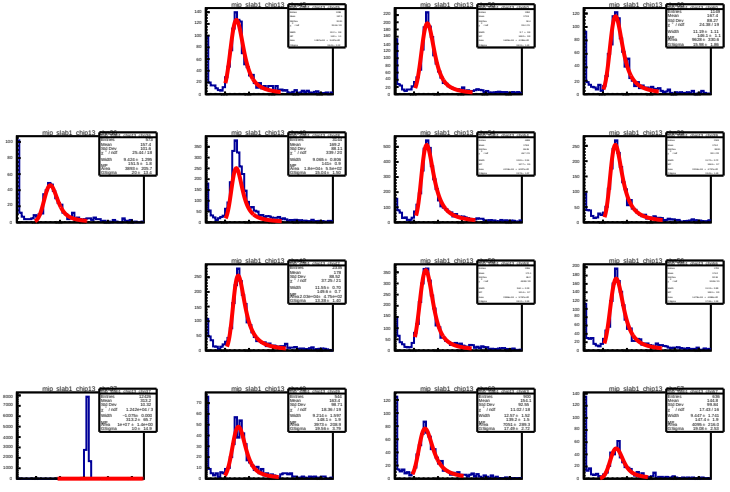
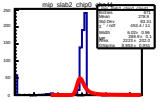
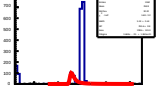
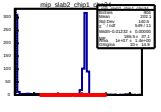
mip slab0 chip13
mip slab0 chip13

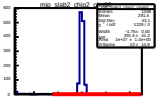

rnb sbb1 chi11
Entries 1017
Mean 0.04
Std Dev 0.18
χ² / ndf 21.4 / 19
Prob 0.31
Const 12.21 ± 1.89
Mean -0.024 ± 0.0
Sigma 0.071 ± 0.013
Integral 17.02 ± 1.9
50
40
30
20
10
0

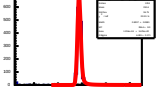

mip slab1 chip13 chan25
mip slab1 chip13 chan26
mip slab1 chip13 chan27
mip slab1 chip13 chan28
mip slab1 chip13 chan29
mip slab1 chip13 chan30
mip slab1 chip13 chan31
mip slab1 chip13 chan32
mip slab1 chip13 chan33
mip slab1 chip13 chan34
mip slab1 chip13 chan35
mip slab1 chip13 chan36
mip slab1 chip13 chan37
mip slab1 chip13 chan38
mip slab1 chip13 chan39
mip slab1 chip13 chan40

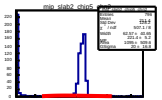

msp_stab2_chip0_chan14
Entries 1000
Mean 279.8
Mean x 279.8
Std Dev 2.212
Std Dev x 2.212
Integral 1.000e+ 03
Skewness 0.0000e+ 00
Underflow 0.000e+ 00
Overflow 0.000e+ 00
Integral 1.000e+ 03
Underflow 0.000e+ 00
Overflow 0.000e+ 00
300
250
200
150
100
50
0

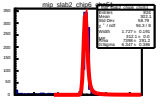

msp_stab2_chip0_chan14
Entries 1000
Mean 279.8
Mean x 279.8
Std Dev 2.212
Std Dev x 2.212
Integral 1.000e+ 03
Skewness 0.0000e+ 00
Underflow 0.000e+ 00
Overflow 0.000e+ 00
Integral 1.000e+ 03
Underflow 0.000e+ 00
Overflow 0.000e+ 00
700
600
500
400
300
200
100

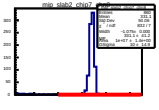

mip_slab2_chan1_dev1
Entries 2000
Mean 100.1
RMS 0.2
χ² / ndf 5.07 / 1
Width= 0.01122 ± 0.00520
Mean= 100.0 ± 0.0000
Area= 1e+07 ± 1.4e+05
Integral 2e+07
300
250
200
150
100
50
0

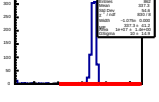

map slab2 chip2 chan0
Entries 1000
Mean 292.9
Std Dev 1.067
Integral 1000.0
Width -1.7E+ 0.00
Mean -292.9 ± 0.03
Sigma 1.067 ± 0.023
Chi2/ndf 2.5 / 0.0
500
400
300
200
100
0

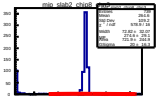

map slab2 chip2 chan0
Entries 1000
Mean 0.0
Std Dev 0.0
Integral 1000.0
Width 1.0E+ 0.00
Mean 0.0E+ 0.00
Sigma 0.0E+ 0.00
Chi2/ndf 0.0E+ 0.00
500
400
300
200
100
0

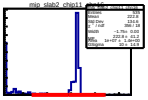

mip_slab2_chip5_chan2
Entries 1000
Mean 234.8
Std Dev 507.1 / 6
Peak 62.57 ± 20.66
Sigma 7.231 ± 9.2
MPV 231.4 ± 9.4
Integral 39 ± 15.8
220
200
180
160
140
120
100
80
60
40
20
0

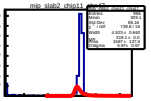

mip_stab2_chip5_step5
Entries 2000
Mean 2021
Std Dev 58.79
χ² / ndf 1.000
Prob 0.3175
Constant 1.727 ± 0.016
Mean 2021.1 ± 0.5
Sigma 4.997 ± 0.500
300
250
200
150
100
50
0

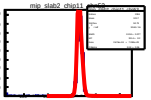

mip_slab2_chip7_chan3
Entries 3614
Mean 0.01
RMS 0.74
χ² / ndf 80.17 / 3
Width -0.07±0.01 0.801
Mean -0.11±0.01 -0.2
Area 14.477 ± 1.4e+03
Integral 3.6 ± 0.6
350
250
150
50
0

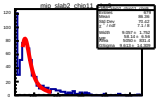

mip_slab2_chip7_chan4
Entries 3614
Mean 0.01
RMS 0.74
χ² / ndf 103.15 / 3
Width -0.07±0.01 0.850
Mean -0.11±0.01 -0.2
Area 14.477 ± 1.4e+03
Integral 3.6 ± 0.6
350
250
150
50
0

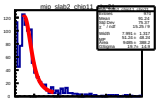

mip_stub2_chi2d
Entries 1000
Mean 294.8
Std Dev 1.1
Underflow 0
Overflow 0
Integral 999.977
Width 72.8012 = 18.20
Mean 294.4 ± 0.0
Sigma 0.9 ± 0.0
Underflow 0.0 ± 0.0
Overflow 0.0 ± 0.0
350
300
250
200
150
100
50
0

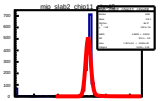

mip slab2 chip11

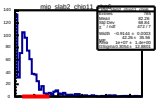

mip slab2 chip11

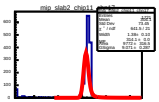

mip slab2 chip11

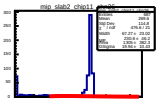

mip slab2 chip11

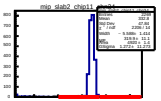

mip slab2 chip11

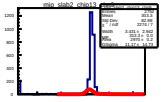

mip slab2 chip11

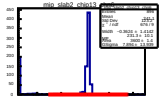

mip slab2 chip11

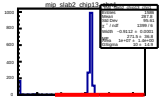

mip slab2 chip11

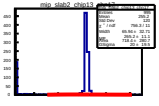

mip slab2 chip11

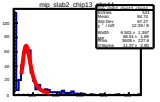

mip slab2 chip11

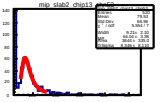

mip slab2 chip13 chan1
Entries 3000
Mean 303.3
Std Dev 19.97
χ² / ndf 2259 / 77
Width 3.431 ± 0.362
303.8 ± 0.3
Area 1.e+07 ± 0.0
MPV 11.97 ± 0.14

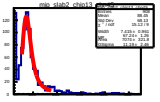

mip slab2 chip13 chan2
Entries 3000
Mean 1.654
Std Dev 0.7
χ² / ndf 6767 / 79
Width −0.0610 ± 0.010
1.215 ± 0.0
Area 3000 ± 1.1
MPV 11.97 ± 0.14

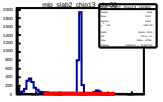

mip slab2 chip13 chan3
Entries 3000
Mean 27.12
Std Dev 99.61
χ² / ndf 17000 / 79
Width −0.0132 ± 0.0001
272.9 ± 36.8
1e+07 ± 1.e+06
MPV 11.97 ± 0.14

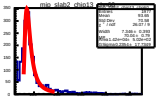

mip slab2 chip13 chan7
Entries 3000
Mean 79.22
Std Dev 110
χ² / ndf 7982 / 79
Width 0.7614 ± 10.31
269.2 ± 11.1
Area 718.6 ± 100.3
MPV 11.97 ± 0.14

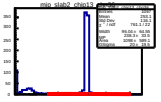

mip slab2 chip13 chan12
Entries 3000
Mean 60.70
Std Dev 12.16
χ² / ndf 5.551 / 7
Width 0.931 ± 1.207
9.251 ± 0.0
Area 2000 ± 2.2
MPV 11.97 ± 0.14

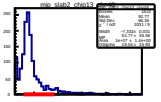

mip slab2 chip13 chan13
Entries 3000
Mean 79.50
Std Dev 9.7
χ² / ndf 5.551 / 7
Width 9.251 ± 0.30
0.931 ± 0.0
Area 2000 ± 2.2
MPV 11.97 ± 0.14

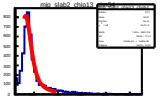

mip slab2 chip13 chan8
Entries 3000
Mean 89.29
Std Dev 19.57
χ² / ndf 19.71 / 7
Width 7.639 ± 0.902
67.01 ± 0.75
Area 2000 ± 1.8
MPV 11.97 ± 0.14

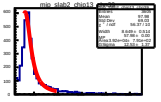

mip slab2 chip13 chan9
Entries 3000
Mean 93.44
Std Dev 19.57
χ² / ndf 19.71 / 7
Width 7.639 ± 0.902
70.16 ± 0.75
Area 2000 ± 1.8
MPV 11.97 ± 0.14

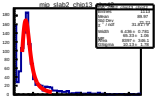

mip slab2 chip13 chan10
Entries 3000
Mean 97.68
Std Dev 19.57
χ² / ndf 19.71 / 7
Width 7.639 ± 0.902
73.41 ± 0.75
Area 2000 ± 1.8
MPV 11.97 ± 0.14

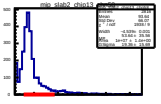

mip slab2 chip13 chan4
Entries 3000
Mean 1003
Std Dev 1.55.1
χ² / ndf 7.e+06 / 79
Width 269.24 ± 10.19
1000 ± 500.1
MPV 11.97 ± 0.14

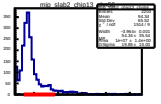

mip slab2 chip13 chan5
Entries 3000
Mean 56.12
Std Dev 56.71
χ² / ndf 2011 / 7
Width −7.0000 ± 0.0000
52.77 ± 0.00
Area 1e+07 ± 0.e+00
MPV 11.97 ± 0.14

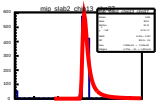

mip slab2 chip13 chan6
Entries 3000
Mean 69.47
Std Dev 19.57
χ² / ndf 19.71 / 7
Width 8.6361 ± 0.412
67.00 ± 0.63
Area 2000 ± 1.8
MPV 11.97 ± 0.14

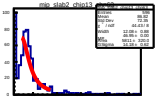

mip slab2 chip13 chan11
Entries 3000
Mean 67.68
Std Dev 19.57
χ² / ndf 19.71 / 7
Width 8.6361 ± 0.412
67.00 ± 0.63
Area 2000 ± 1.8
MPV 11.97 ± 0.14

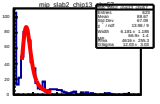

mip slab2 chip13 chan14
Entries 3000
Mean 89.47
Std Dev 31.27
χ² / ndf 8.251 / 7
Width 0.0000 ± 0.000
0.0000 ± 0.0
Area 3000 ± 1.1
MPV 11.97 ± 0.14

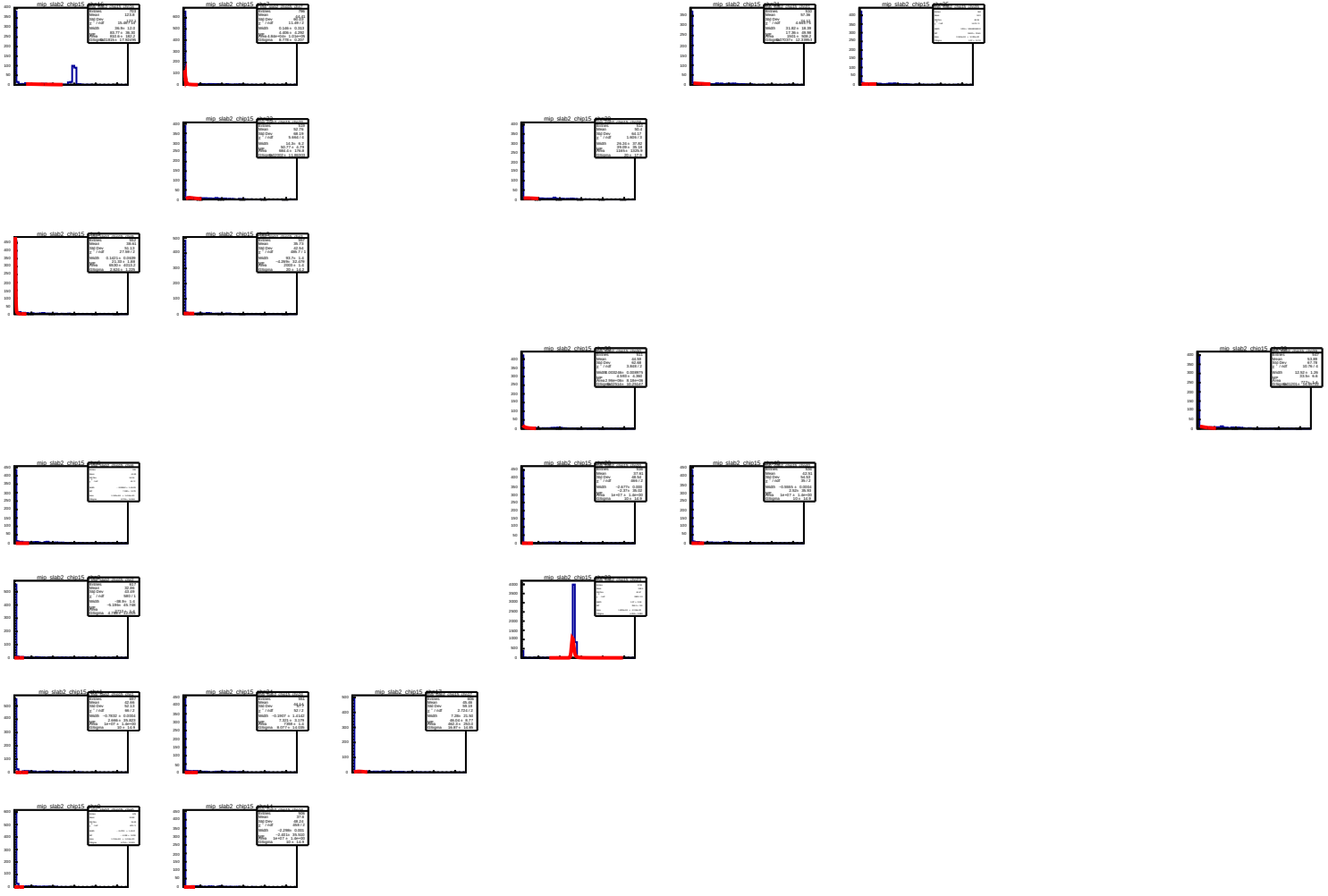

mip slab2 chip13 chan15
Entries 3000
Mean 99.02
Std Dev 33.57
χ² / ndf 1002 / 6
Width −2.9000 ± 0.000
0.5000 ± 0.0
Area 1e+07 ± 1.1e+06
MPV 11.97 ± 0.14

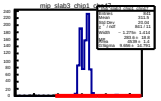

mip slab2 chip13 chan16
Entries 3000
Mean 94.22
Std Dev 33.57
χ² / ndf 1002 / 6
Width −2.9000 ± 0.000
0.5000 ± 0.0
Area 1e+07 ± 1.1e+06
MPV 11.97 ± 0.14

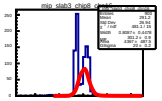

mip slab2 chip13 chan17
Entries 3000
Mean 1.654
Std Dev 0.7
χ² / ndf 6767 / 79
Width −0.0610 ± 0.010
1.215 ± 0.0
Area 3000 ± 1.1
MPV 11.97 ± 0.14

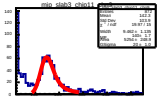

mip slab2 chip13 chan18
Entries 3000
Mean 99.02
Std Dev 33.57
χ² / ndf 1002 / 6
Width −2.9000 ± 0.000
0.5000 ± 0.0
Area 1e+07 ± 1.1e+06
MPV 11.97 ± 0.14

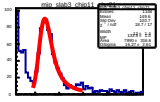

mip slab2 chip13 chan19
Entries 3000
Mean 94.22
Std Dev 33.57
χ² / ndf 1002 / 6
Width −2.9000 ± 0.000
0.5000 ± 0.0
Area 1e+07 ± 1.1e+06
MPV 11.97 ± 0.14

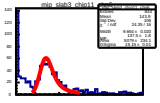


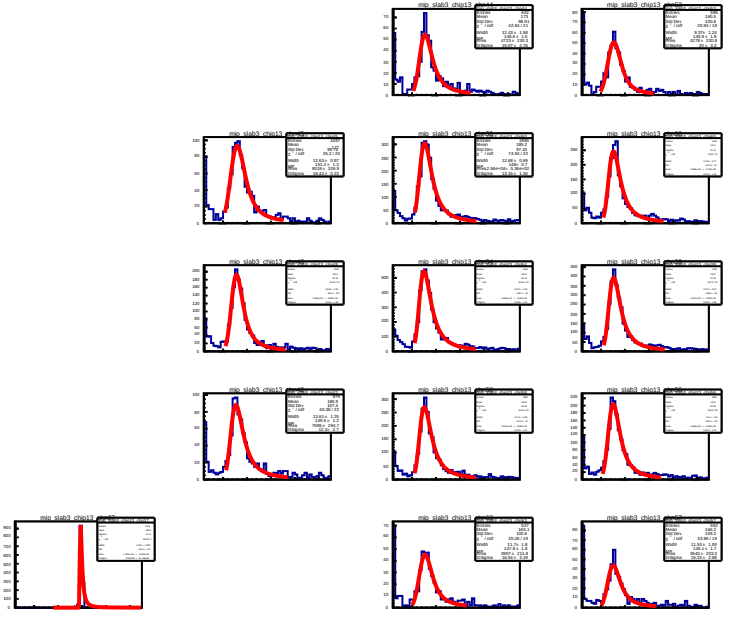

mip_slab3_chip1_chan3
Entries 3000
Mean 1.514
Std Dev 29.05
χ² / ndf 803.7 / 5
Width 1.375± 1.414
Mean -0.5 ± 0.5
Sigma 0.441± 0.5
Integral 9.441e+03


msp_slab3_chip8_ch14
Entries 1000
Mean 24.12
Std Dev 29.64
χ / ndf 451.1 / 55
Width 0.8287 ± 0.6278
Sigma 0.8287 ± 0.6278
MPV 0.8287 ± 0.6278
Total Area 24.1 ± 2.1
250
200
150
100
50
0


msp slab3 chn11
Entries 7914
Mean 162.2
Mean x 162.2
Std Dev 19.07 ± 0.16
χ² / ndf 19.07 / 16
Width 9.062 ± 1.136
Sigma 4.531 ± 0.568
MPV 159.0 ± 0.3
Integral 3250.0 ± 34.0
Chi2prob 0.00
0
20
40
60
80
100
120
140


msp slab3 chn11
Entries 7914
Mean 1259
Mean x 1259
Std Dev 325.1
χ² / ndf 28.77 / 17
Width 12281 ± 0.0
Sigma 7000.1 ± 0.0
MPV 1259.0 ± 0.0
Integral 7914.0 ± 0.0
Chi2prob 0.00
0
20
40
60
80
100


msp slab3 chn11
Entries 7914
Mean 3.516
Mean x 3.516
Std Dev 24.35 ± 0.09
χ² / ndf 0.00 / 0
Width 0.0001 ± 0.000
Sigma 0.0000 ± 0.000
MPV 52.51 ± 10.1
Integral 13.13 ± 2.5
Chi2prob 0.00
0
20
40
60
80
100
120
140


mip slab3 chip13
mip slab3 chip13
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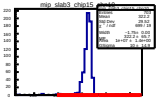
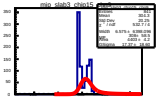
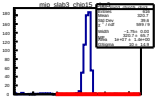
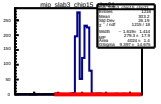
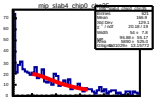
mip slab3 chip13

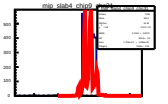

msp slab3 chip15
Entries 1024
Mean 152.2
Std Dev 10.18
χ² / ndf 689 / 14
Width -1.75± 0.03
Mean 152.7 ± 0.0
Area 14.07 ± 0.04
Chi2/ndf 49.2 / 5

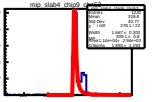

msp slab3 chip15
Entries 1024
Mean 151.3
Std Dev 9.27
χ² / ndf 9.27 / 1
Width 0.571± 0.108E-09
Mean 149.5 ± 0.0
Area 17.07 ± 0.0
Chi2/ndf 17.07 / 1

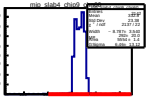

msp slab3 chip15
Entries 1024
Mean 152.7
Std Dev 9.27
χ² / ndf 1025 / 5
Width -1.75± 0.03
Mean 152.7 ± 0.0
Area 14.07 ± 0.0
Chi2/ndf 14.07 / 1

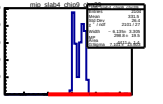

msp slab3 chip15
Entries 1024
Mean 153.8
Std Dev 25.14
χ² / ndf 1.E+07 / 1
Width -1.929± 0.14
Mean 179.3 ± 17.9
Area 4000 ± 0.0
Chi2/ndf 9.E+06 / 1

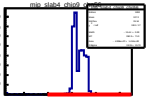

mip_slab4_chip0_chan0
Entries 1000
Mean 1403
Std Dev 123.1
χ² / ndf 20.28 / 14
Width 74 ± 1.8
MPV 93.85 ± 1.1
Area 5000 ± 53.1
Log-likelihood 23.11
75
60
45
30
15
0

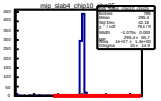

mip_slab4_chip0_chan34

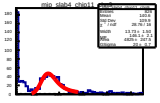

mip_slab4_chip0_chan35

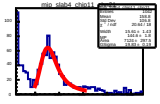

mip_slab4_chip0_chan36

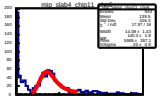

mip_slab4_chip0_chan37

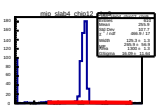

mip_slab4_chip0_chan38

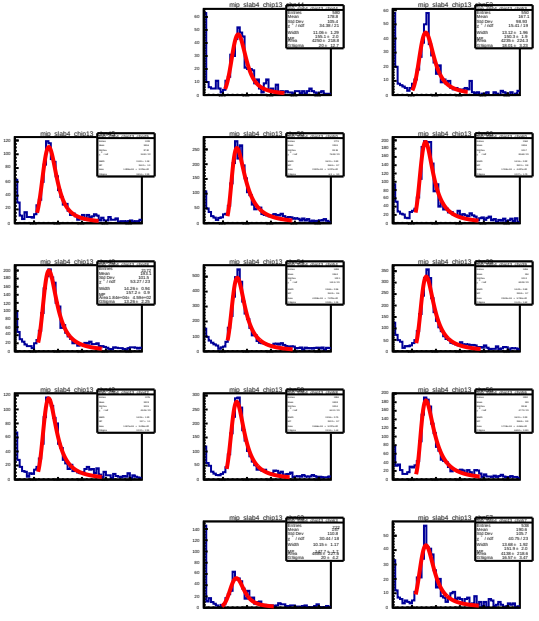

mip_slab4_chn33_mc_05
Entries 2000
Mean 286.9
Std Dev 42.18
χ² / ndf 79.67 / 6
Width -0.0754± 0.0532
Mean 286.1 ± 0.9
Sigma 42.17 ± 1.4e+12
Integral 1.4e+12
400
350
300
250
200
150
100
50
0


msp slab4 chip11
Entries 1024
Mean 1603.6
Std Dev 29.51
χ² / ndf 26.70 / 16
Width 13.73 ± 1.50
Mean 1585.7 ± 1.4
Area 5600.1 ± 267.2
Chi2Prob 0.04
180
160
140
120
100
80
60
40
20
0


msp slab4 chip11
Entries 1024
Mean 1608.0
Std Dev 29.61
χ² / ndf 21.44 / 15
Width 15.92 ± 1.19
Mean 1604.6 ± 1.0
Area 7193.1 ± 267.5
Chi2Prob 0.13
100
80
60
40
20
0


msp slab4 chip11
Entries 1024
Mean 1614.3
Std Dev 33.51
χ² / ndf 17.67 / 16
Width 12.09 ± 1.23
Mean 1605.1 ± 1.4
Area 5600.1 ± 267.2
Chi2Prob 0.34
200
180
160
140
120
100
80
60
40
20
0


mbp sbd4 chn17
Entries 1000
Mean 293.9
Std Dev 17.1
Underflow 0.000 0.000
Overflow 0.000 0.000
180
160
140
120
100
80
60
40
20
0


mip slab4 chip13
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