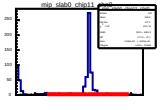
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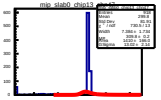
Entries 1000
Mean 0.0
RMS 0.0
Underflow 0
Overflow 0
Integral 1000.
Skewness -nan
Kurtosis -nan
Minimum -1.000e+06
Maximum 1.000e+06
250
200
150
100
50
0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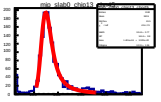
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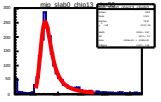
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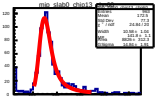
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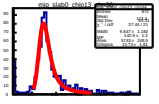
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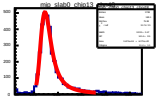
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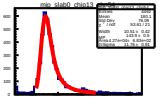
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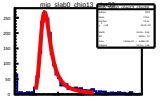
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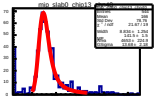
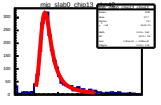

mip slab0 chip13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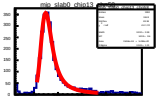
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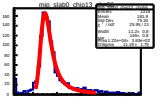
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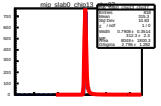
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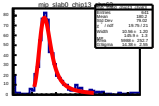
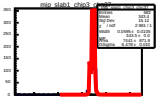
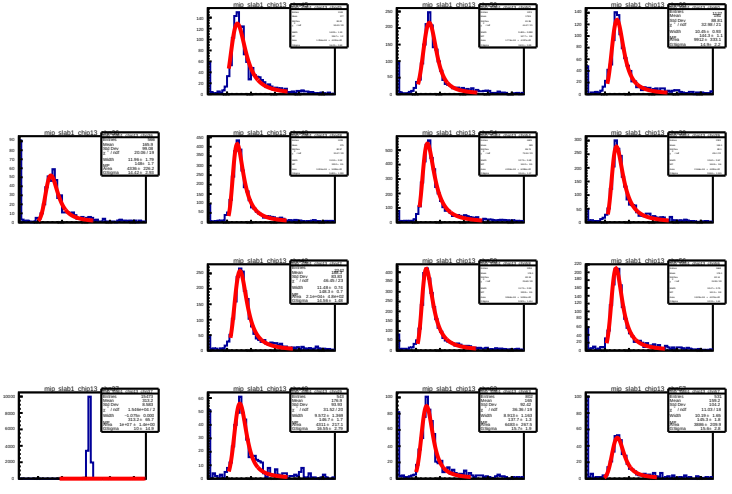

mip slab0 chip13


mip_slab1_chip3_ch15
Entries 10000
Mean 100.0
Mean x 99.4
Std Dev 2.661
Integral 2.661e+4
Underflow 0.0000e+0 0.0000
Overflow 0.0000e+0 0.0
Skew 1.0000e+0 0.0
Kurtosis 8.0000e+0 0.0
350
300
250
200
150
100
50
0

mqp_sbb1_chip11_dev18
Double Gaussian Fit
Mean 1.00
Sigma 0.00
Const 2.00e+03
Mean 1.00e+00 ± 0.00e+00
Sigma 0.00e+00 ± 0.00e+00
450
400
350
300
250
200
150
100
50
0


mip slab1 chip13
mip slab1 chip13
mip slab1 chip13
mip slab1 chip13
mip slab1 chip13
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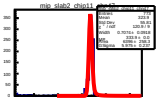
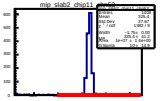
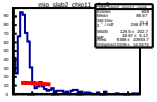
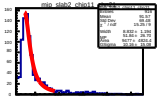
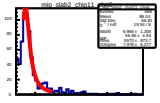

mip slab2 chip11


mip slab2 chip11


mip slab2 chip11


mip slab2 chip11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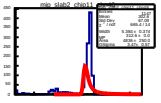
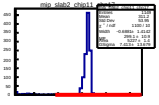
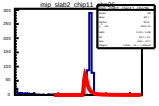
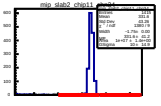
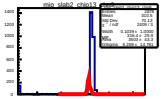
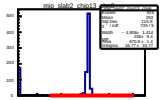

mip slab2 chip11

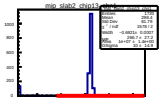

mip slab2 chip11

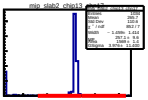

mip slab2 chip11

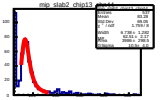

mip slab2 chip11

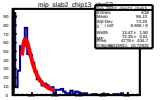

mip slab2 chip13 chn1
Entries 1024
Mean 1021.5
Std Dev 16.79
χ² / ndf 2428 / 13
Width 0.1259 ± 0.0080
MPV 726.0 ± 25.9
Area 2.084 ± 0.041
Sigma 0.0863 ± 0.011

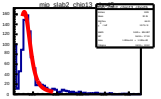

mip slab2 chip13 chn2
Entries 1024
Mean 1023.4
Std Dev 13.15
χ² / ndf 733.79
Width -0.0096± 0.014
MPV 1.0 ± 1.2
Area 0.0 ± 0.0
Sigma 0.0 ± 0.0

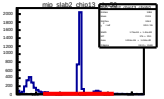

mip slab2 chip13 chn3
Entries 1024
Mean 1024.2
Std Dev 16.79
χ² / ndf 1042.9
Width -0.0021± 0.0007
MPV 2266.7 ± 27.2
Area 1e+07 ± 1.e+05
Sigma 0.0 ± 0.0

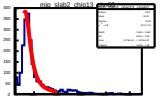

mip slab2 chip13 chn4
Entries 1024
Mean 1024.7
Std Dev 10.0
χ² / ndf 1.e+09
Width 1.056± 1.014
MPV 257.1 ± 9.6
Area 1.7988± 1.0
Sigma 0.970 ± 1.0

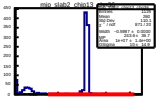

mip slab2 chip13 chn5
Entries 1024
Mean 65.28
Std Dev 1.733
χ² / ndf 1.733 / 6
Width 0.739 ± 1.202
MPV 2.0 ± 1.2
Area 2866 ± 2.8e+3
Sigma 10.9 ± 0.7

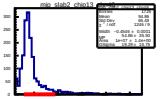

mip slab2 chip13 chn6
Entries 1024
Mean 94.13
Std Dev 4.558
χ² / ndf 4.558 / 7
Width 13.47 ± 1.80
MPV 27.0 ± 1.2
Area 2770 ± 43.7
Sigma(MeV) 46.0±0.7

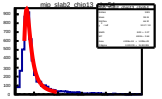

mip slab2 chip13 chn7
Entries
Mean
Std Dev
χ² / ndf
Width
MPV
Area
Sigma

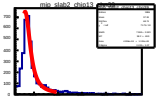

mip slab2 chip13 chn8
Entries
Mean
Std Dev
χ² / ndf
Width
MPV
Area
Sigma

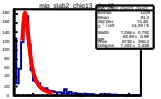

mip slab2 chip13 chn9
Entries
Mean
Std Dev
χ² / ndf
Width
MPV
Area
Sigma

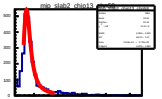

mip slab2 chip13 chn10
Entries 1024
Mean 1023
Std Dev 1.913
χ² / ndf 2.1.1.1
Width -0.0007 ± 0.0
MPV 1023.9 ± 0.0
Area 1e+07 ± 1.e+05
Sigma 0.0 ± 0.0

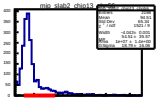

mip slab2 chip13 chn11
Entries 1024
Mean 94.48
Std Dev 56.75
χ² / ndf 1.e+09
Width -0.0049± 0.0003
MPV 51.8±0.1 -0.0
Area 1e+07 ± 0.e+05
Sigma 0.0 ± 0.0

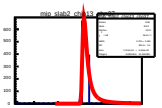

mip slab2 chip13 chn12
Entries
Mean
Std Dev
χ² / ndf
Width
MPV
Area
Sigma

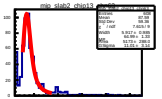

mip slab2 chip13 chn13
Entries
Mean
Std Dev
χ² / ndf
Width
MPV
Area
Sigma

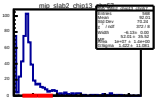

mip slab2 chip13 chn14
Entries 1024
Mean 14.4
Std Dev 14.39
χ² / ndf
Width 7.299± 0.70
MPV 4.0±0.1 -0.0
Area 7.29± 1.3e+3
Sigma 7.299± 0.7

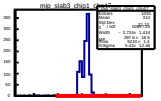

mip slab2 chip13 chn15
Entries
Mean
Std Dev
χ² / ndf
Width
MPV
Area
Sigma

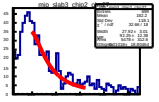

mip slab2 chip13 chn16
Entries 1024
Mean 55.4
Std Dev 55.17
χ² / ndf 1921.7
Width -0.0021± 0.001
MPV 54.9±0.1
Area 1e+07 ± 1.e+05
Sigma 0.0 ± 0.0

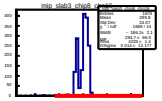

mip slab2 chip13 chn17
Entries
Mean
Std Dev
χ² / ndf
Width
MPV
Area
Sigma

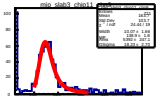

mip slab2 chip13 chn18
Entries 1024
Mean 65.18
Std Dev 7.605
χ² / ndf 7.605 / 8
Width 0.5127 ± 0.008
MPV 50.99 ± 1.00
Area 1.0e+3 ± 1.0e+3
Sigma 11.01 ± 0.1

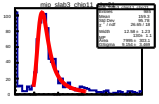

mip slab2 chip13 chn19
Entries
Mean
Std Dev
χ² / ndf
Width
MPV
Area
Sigma

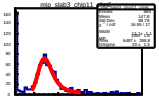

mip_slab3_chip1_chan25
Entries 1000
Mean 1.014
Std Dev 0.0
χ² / ndf 0.0 / 0
Width 0.0000 ± 0.0000
Mean 1.000 ± 0.000
Sigma 0.000 ± 0.000

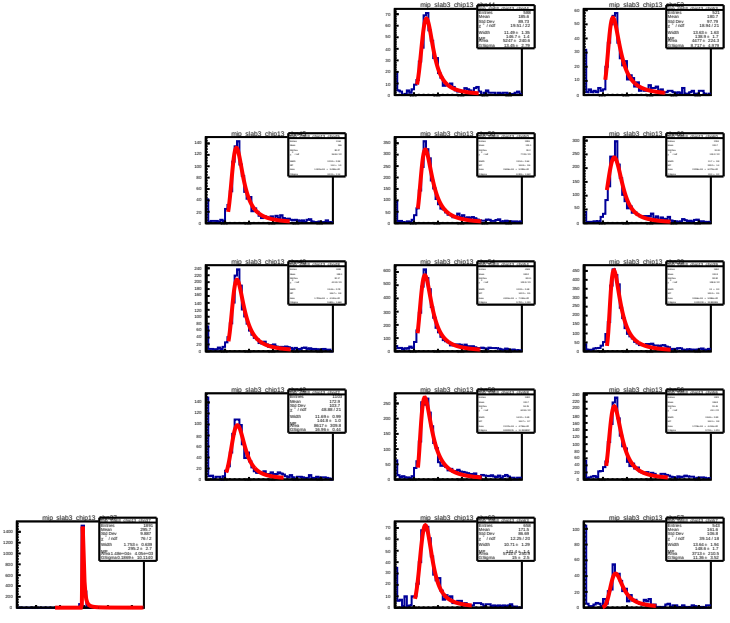

msp_slab3_chip7_chan3
Fit Function: Landau convolved with Gaussian
Fit Range: 0.000 - 0.000
Chi2 / NDF: 1627 / 1
Peak: 27.00 ± 0.32
Width: 4.00 ± 0.05
Area: 1.00 ± 0.01
Fitting Statistics: 40 bins
45
40
35
30
25
20
15
10
5
0


msp_slab3_chip8_c_ch14
Statistics
Entries 2812
Mean 23.07
Std Dev 19281.14
Underflow 0
Overflow 0
Integral 2812.0
Mean x 23.07
Std Dev x 19281.14
Integral x 2812.0
Underflow x 0.000
Overflow x 0.000
400
350
300
250
200
150
100
50
0


msp slab3 chip11
Entries 1447
Mean 14.07
Std Dev 3.77
χ² / ndf 24.47 / 14
Width 13.07 ± 3.86
Mean 1.00 ± 1.0
Area 1.00 ± 1.0
Prob 18.24 ± 0.4
100
80
60
40
20
0


msp slab3 chip11
Entries 1447
Mean 19.3
Std Dev 20.73
χ² / ndf 25.79 / 15
Width 12.58 ± 1.15
Mean 1.00 ± 1.1
Area 7705 ± 302.1
Prob 0.02 ± 0.0
100
80
60
40
20
0


msp slab3 chip11
Entries 1447
Mean 17.14
Std Dev 10.16
χ² / ndf 16.65 / 17
Width 2.62 ± 1.2
Mean 1.00 ± 1.0
Area 6.07 ± 302.8
Prob 0.5 ± 0.5
160
140
120
100
80
60
40
20
0


mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
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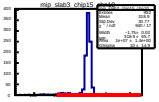
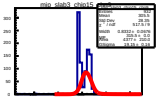
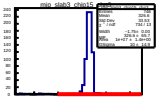
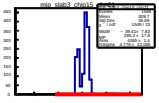
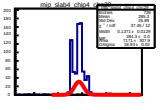
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13
mip slab3 chip13

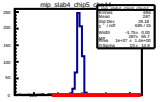

msp slab3 chip15
Entries 1000
Mean 310.8
Std Dev 10.18
χ² / ndf 502 / 17
Width -1.75± 0.60
Mean 310.8 ± 0.3
Area 14.07 ± 1.04e+03
Chi2/ndf 29.53 ± 2.9

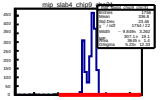

msp slab3 chip15
Entries 1000
Mean 305.5
Std Dev 9.178
χ² / ndf 1178 / 79
Width 0.0012± 0.0076
Mean 305.5 ± 0.0
Area 0.0000 ± 0.0
Chi2/ndf 15.14 ± 0.19

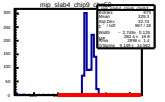

msp slab3 chip15
Entries 1000
Mean 310.8
Std Dev 10.18
χ² / ndf 742.71
Width -1.75± 0.60
Mean 310.8 ± 0.3
Area 14e+03 ± 1e+03
Chi2/ndf 29.53 ± 2.9

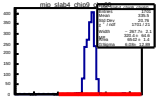

msp slab3 chip15
Entries 1000
Mean 310.8
Std Dev 29.68
χ² / ndf 2345 / 23
Width 38.42± 17.8
Mean 299.2 ± 17.8
Area 2000 ± 1.1
Chi2/ndf 4.79e+03 ± 1.1

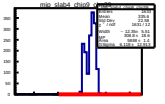

mip_slab4_chip4_step20
Entries 2000
Mean 292.2
Std Dev 25.98
χ² / ndf 1.08 / 1
Prob 0.3374 ± 0.0125
MPV 292.3 ± 0.4
Sigma 13.51 ± 0.12
Integral 19.954 ± 0.07
250
230
210
190
170
150
130
110
90
70
50
30
10

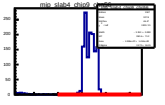

mip slab4 chip5 channel
Entries 2000
Mean 20.22
Mean x 20.22
Std Dev 0.55
Std Dev x 0.55
χ-Thu 0.00
χ-Fri 0.00
Integral 1e+07 ± 3.2e+03
Underflow 0.0 ± 0.0
Overflow 0.0 ± 0.0
250
200
150
100
50
0

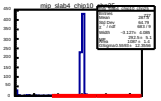

mip_slab4_chip2_ch24
Entries 1000
Mean 26.12
Std Dev 25.66
χ² / ndf 1741 / 23
Constant ± 9.60Ev ± 3.262
Mean ± 0.0 ± 0.0
Sigma ± 0.0 ± 0.0
Underflow 0.0% Overflow 0.0%

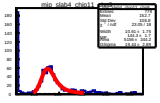

mip_slab4_chip2_ch25
Entries 1000
Mean 320.9
Std Dev 29.94
χ² / ndf 867 / 16
Constant ± 2.7e3Ev ± 0.29
Mean ± 0.0 ± 0.0
Sigma ± 0.0 ± 0.0
Underflow 0.0% Overflow 0.0%

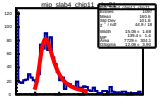

mip_slab4_chip2_ch26
Entries 1000
Mean 316.9
Std Dev 29.94
χ² / ndf 1163 / 15
Constant ± 287.7Ev ± 2.1
Mean ± 0.0 ± 0.0
Sigma ± 0.0 ± 0.0
Underflow 0.0% Overflow 0.0%

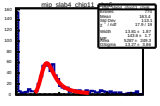

mip_slab4_chip2_ch27
Entries 1000
Mean 299.9
Std Dev 22.93
χ² / ndf 1811 / 14
Constant ± 12.3Ev ± 3.1
Mean ± 0.0 ± 0.0
Sigma ± 0.0 ± 0.0
Underflow 0.0% Overflow 0.0%

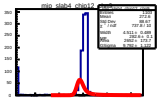
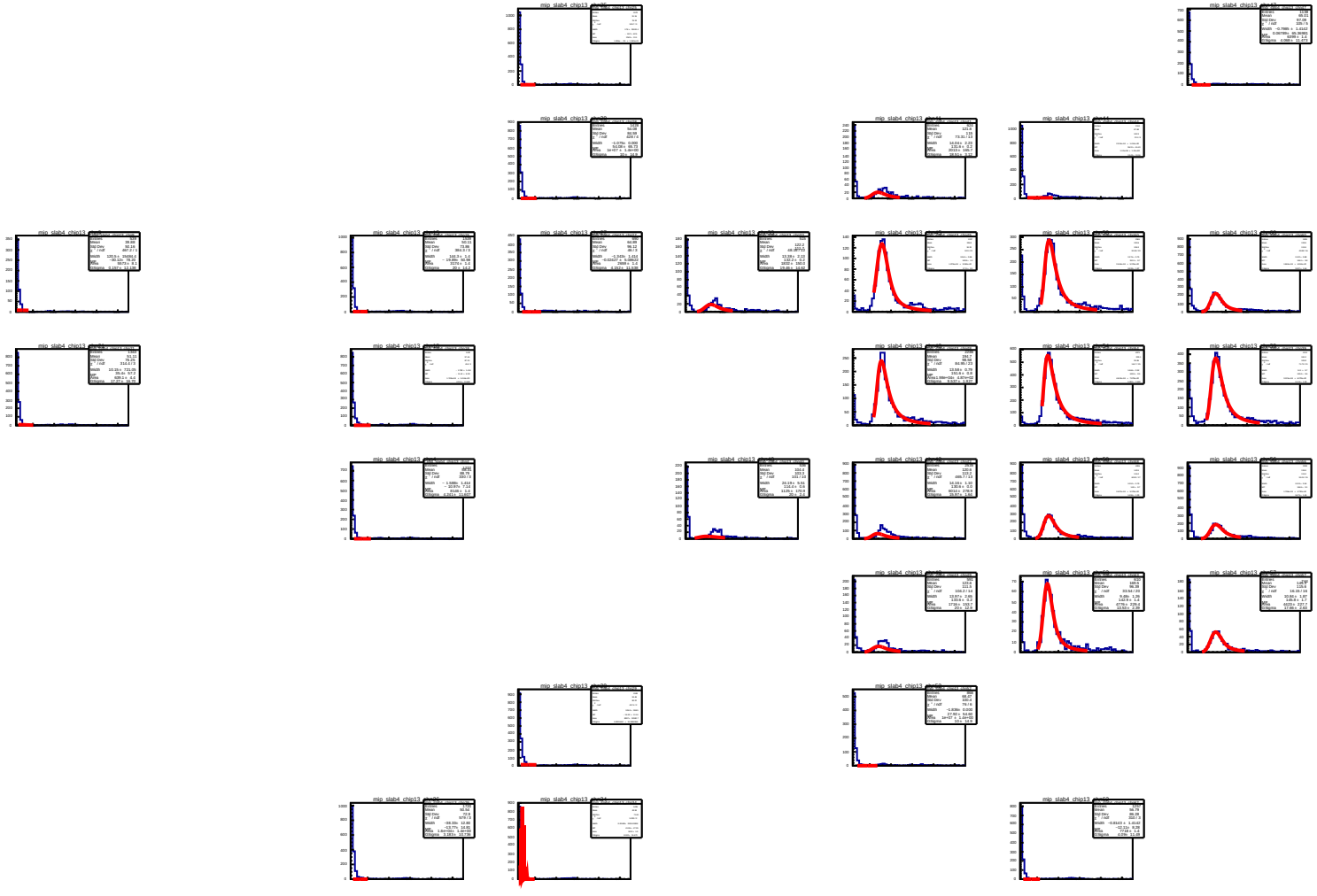

mip_slab4_chip2_ch28
Entries 1000
Mean 0.0
Std Dev 0.0
χ² / ndf 0 / 0
Constant ± 0.0Ev ± 0.0
Mean ± 0.0 ± 0.0
Sigma ± 0.0 ± 0.0
Underflow 0.0% Overflow 0.0%


mip_slab4_chn313_mx25
Entries 2677
Mean 16.72
Std Dev 58.78
χ² / ndf 6819 / 6
Width -0.1375 ± 0.005
Mean 0.0000 ± 0.0
Sigma 2.667 ± 0.5
Integral 6443 ± 81.8
300
250
200
150
100
50
0


mip slab4 chn11
Entries 1000
Mean 193.7
RMS 23.61
χ² / ndf 23.61 / 18
Width 33.61 ± 3.79
MPV 188.9 ± 1.7
Area 1.000 ± 0.0
Sigma 18.44 ± 0.24


mip slab4 chn11
Entries 1000
Mean 331.6
RMS 331.6
χ² / ndf 33.78 / 8
Width 33.78 ± 3.49
MPV 189.4 ± 1.0
Area 7239 ± 90.2
Sigma 19.92 ± 0.7


mip slab4 chn11
Entries 1000
Mean 167.4
RMS 113.1
χ² / ndf 17.87 / 10
Width 9.87 ± 1.07
MPV 188.9 ± 1.7
Area 5267 ± 102.3
Sigma 17.77 ± 0.6


msb sbd4 chp17 [Mode]
Mean 1.000
Sigma 27.0
Entries 727.0
Integral 727.0
Underflow 0.000 / 0.000
Overflow 0.000 / 0.000
350
300
250
200
150
100
50
0