

1 Comments

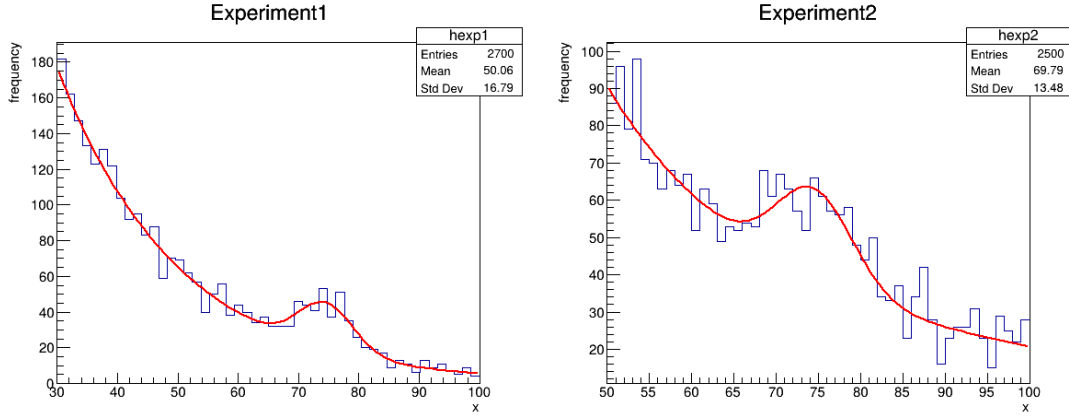


Figure 1:

The output from my script is:

Mean = 74.6126 ± 0.452681 Sigma = 4.53804 ± 0.416155 $\chi^2/\text{ndf} = 76.3408 / 93 = 0.820869$ Chi2 probability = 0.894986

The generated signal has mean 75 and sigma 4.5 so this fit does a very good job extracting that information. The reduced χ^2 is below 1 so errors may have been overestimated. The fit looks good to me because of the high probability and close-to-actual mean and sigma.