

## Homework Assignment #11, Scientific Poster Draft

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The purpose of HW #11, #12, and #13 is to teach you how to lay out, print, and present a scientific poster on research results, similar to posters that are presented at professional scientific conferences. For HW #11, you will create a draft poster; for HW #12, you will create a final version of your poster, which will be printed, based on feedback you received for HW #11; and for HW #13, you will prepare a “stump speech” and present your poster in class on May 2.

You may base your poster on your own research, an experiment you did for one of the upper-level Physics labs (401, 402, 403, 407), an equivalent lab course offered by another department, or work you did for an internship or summer research experience at an external institution.

The important thing is to pick a topic where you can present the context of the work, your methods, your principal results, a discussion of the results, and the conclusions you drew from the work. Your poster may include a short references section, and it *must* include an acknowledgment of financial support. If the work was conducted as a part of a formal research group, get the details of the funding agency and grant number from your PI. If the poster is based on work done in an advanced physics lab, the acknowledgment should cite “The Department of Physics, University of Illinois Urbana-Champaign, Urbana IL USA.”

For this assignment, you will prepare a draft of your poster using PowerPoint based on the April 11 class lecture and “[Tips for Designing a Poster Presentation](#).” Your poster should include the following elements:

1. A concise, compelling title.
2. Your name and affiliation.
3. The following sections: Motivation/Background, Materials and Methods, Results, Discussion, Conclusions. You may include a “Future Work” section and a *short* list of key references.
4. Acknowledgments

Your poster should be visually engaging, with a good balance of text and images. Use a “landscape” layout, 36-in high by 48-in wide. Consult the [generic poster template](#) to help you design your poster. You are not required to duplicate this template; it is merely provided as an example of a conventional physics poster layout. Your poster of course will consist of both text and images; make sure your figures and text are big enough to be read from a distance, and each segment of the poster has a good balance of words and pictures.

Consult the [evaluation criteria](#) when designing your poster.

Due: **Friday, April 18, 9:00 p.m.** Upload your poster in one file to my.physics. Assignments submitted after the deadline will have points deducted and will be ineligible for rewrite points.

Total—100 points