

Nuclear and Particle Physics Lab Report Outline

The web site, www.uta.edu/physics/labs has the lab schedule and write ups.

If a lab is missed, you can make it up sometime during the week, contact your TA to be let into the room. The lab report however still falls under the rules outlined in the following section.

Late Work Policy:

Late Reports: 5 point penalty per day, after 1 week it will not be accepted.

The following grading rubric details what the format and expectations of the lab report are.

Grading Rubric:

Points	Item
10	Format: -Information clearly presented and neatly organized
10	Introduction / Objective: -States nature of motivation for the experiment -Describes, in general, the type of tests that will be performed
10	Apparatus: -Block diagram of the apparatus in use, or picture -Clearly laid out and labeled
25	Theory: -Detailed discussion of the background material, important equations, and Goal of the experiment
15	Data: -Clearly presented in appropriate tables, with titles and headers
15	Graphs and Analysis: -Clearly presented information in appropriate graph format (bar, line, X-Y scatter, etc) -Large enough to easily read and see trends (at least ½ page) -Summary of each graph's significance, and discussion on any points/regions that show odd behavior -may be attached at end
15	Conclusions: -Summary of all results and their significance -Discussion of the cause of any outlier data -Application of the results to future labs or experiments done with the same equipment -Notes on any unexpected events or changes to the given directions