

Review Instructions

Please review the sample paper on the discovery of the top quark.

You should address the following questions in your review. For each of the following points either make suggestions for improvement or state that it is well done with justification for why this is the case. Some example questions that you might address in the review are provided for each section.

- Abstract: Does it summarize the paper appropriately? Is it comprehensible?
- Introduction: Does it sufficiently motivate the main topic of the paper? Does it give an appropriate overview that can be understood?
- Physics description of the paper: Is it comprehensible? Is anything missing?
- Tables and figures: Are any missing? Are the existing figures referenced in the text and do they improve understanding? Are there captions that add information, not repeat text in the main body of the paper?
- Conclusion: Does it appropriately summarize the paper, emphasizing the main point(s)?
- Citations: Are any missing? Are they correctly numbered (sequentially as they appear in the text) and formatted?
- Provide comments on spelling and grammar as appropriate.

Please refer to the rubric below for additional details you might comment on during your review. This is the rubric that will be used to grade your final papers.

Plan for a concise review of about one page in length.

Assignment is due on gradescope at 3pm on Friday April 18th.

Grading Rubric for the Final Paper

**PHY493, Spring 2025
Paper Grading Form**

Name:

Paper Format & Length: 20 pts

Spelling & Grammar: 10 pts

Overall Writing Style: 10 pts

Physics Content & Understanding: 50 pts

Originality: 10pts

Demonstration of Physics Understanding: 15 pts

Explanation of Physics Concepts: 15 pts

Clarity and Organization of Material: 10 pts

Citations & Accuracy: 10 pts

Total: _____ / 100 pts