Effect of Lead Thickness on Radiation Detection

Your Name
Department of Physics, Your University

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Abstract

Briefly summarize the purpose of the experiment, the main findings, and the conclusions drawn.

1 Introduction

Introduce the concept of radioactive decay, the significance of lead as a shielding material, and the objectives of your experiment.

2 Methodology

Describe the experimental setup, the radioactive source used, the range of lead thicknesses tested, and the procedure followed during the experiment.

3 Results

Present the data obtained from the experiment. Include your Python-generated graphs here. Use the following syntax to include images:

4 Discussion

Analyze the results, discussing how different thicknesses of lead affected the detection of radiation. Compare your findings with theoretical expectations and previous studies.

5 Conclusion

Summarize the main findings of the experiment, the implications of these findings, and potential areas for further research.

6 References

List the references cited in your report.

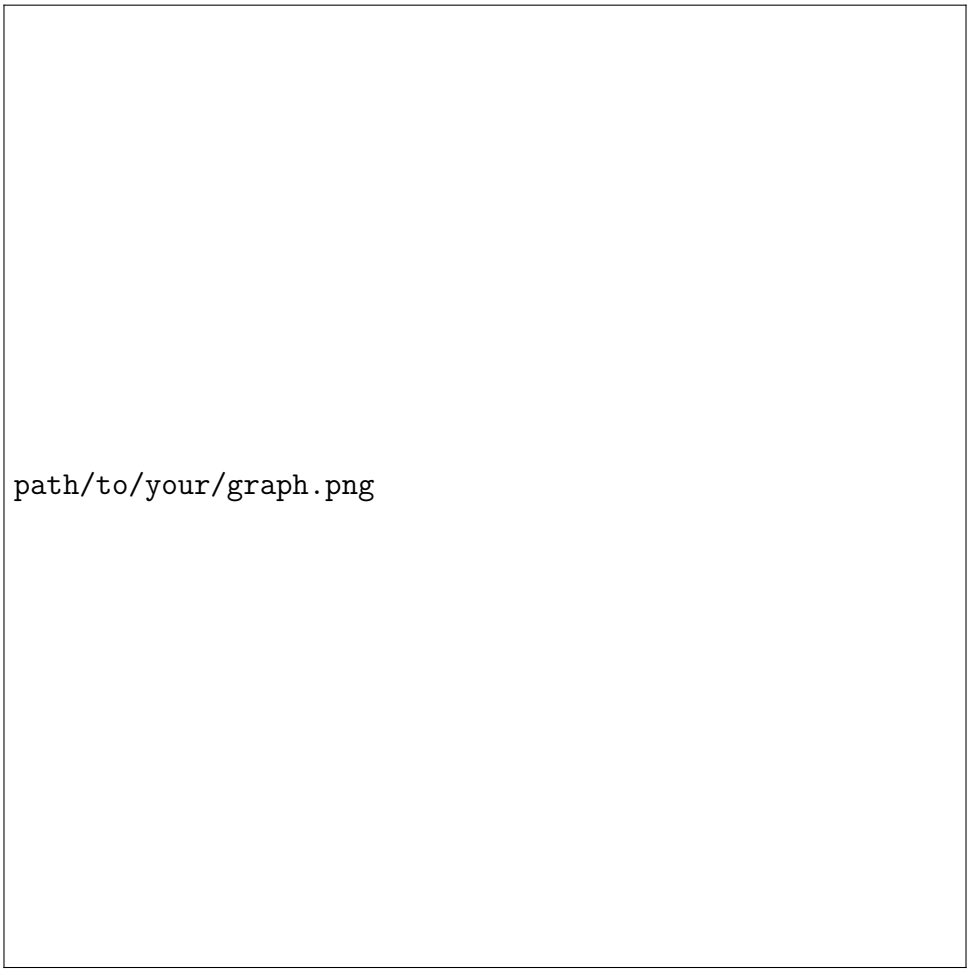

Figure 1: Caption describing the graph