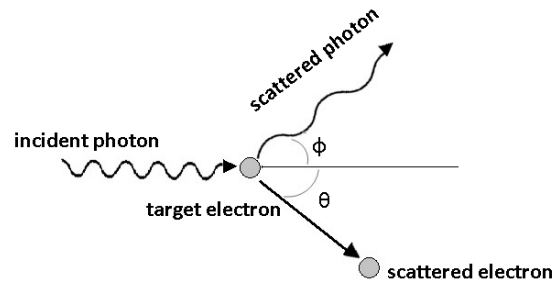




Compton Effect

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1 Introduction

Brief description of the goal, theory, and underlying mechanisms of the experiment. Introduction part must include:

- Underlying theory and background information of the experiment
- Important concepts/terms/definitions used in the experiment

2 Experimental Details

Brief description of the experimental setup and data acquisition. Experimental Details part must include:

- Important steps of the experimental procedure
- Working principles and details of the critical equipment used in the experiment

3 Measurement And Data Analysis

Analysis, calculations, and interpretation of the experimental data. Measurement and Data Analysis part must include:

- Data tables used during the experiment (if applicable)
- Graphs plotted to analyze the data (if applicable)
- Details of the calculations (if applicable)

4 Results And Discussion

Discussion of your results and their connection to the theoretical predictions.

Discussion part must include:

- A brief summary of the important steps of the experiment
- Discussion of the results and methods
- Possible reasons for errors and suggestions to avoid/reduce error in the experiment

References

- [1] IBM. Ibm quantum composer docs, 2021.



- [2] Michael A. Nielsen and Isaac L. Chuang. *Quantum Computation and Quantum Information*. Cambridge University Press, 2010.