

Compton Scattering

Vinh Tran

*Department of Physics and Kavli Institute for Astrophysics and Space Research,
Massachusetts Institute of Technology, Cambridge, MA 02139, USA**

(Dated: March 9, 2025)

| θ | Counting Time [s] | Total Time [s] | Collection Date [YYYY-MM-DD] |
|----------|----------------------|-------------------|---------------------------------|
| 0 | 964 | 1012 | 2025-03-04 |
| 30 | 1194 | 1224 | 2025-03-04 |
| 60 | 1619 | 1658 | 2025-03-04 |
| 90 | 1856 | 1900 | 2025-03-04 |
| 120 | 1706 | 1736 | 2025-03-04 |
| 15 | 1354 | 1522 | 2025-03-06 |
| 45 | 1333 | 1455 | 2025-03-06 |
| 75 | 1954 | 2058 | 2025-03-06 |
| 105 | 1645 | 1727 | 2025-03-06 |
| 135 | 1341 | 1431 | 2025-03-06 |

TABLE I.

I. INTRODUCTION

II. EXPERIMENT SETUP

II.1. Apparatus

II.2. Data Collection

III. RESULTS

IV. DISCUSSION AND CONCLUSION

ACKNOWLEDGMENTS

The author thanks his lab partner Y. Hu for collaboration in the experiment, support in the formatting and structuring of the manuscript. The author also thanks the JLab teaching staffs for their guidance and support, as well as the MIT Physics Department for providing the experimental apparatus.

Appendix A: Energy Calibration

* vinhtran@mit.edu

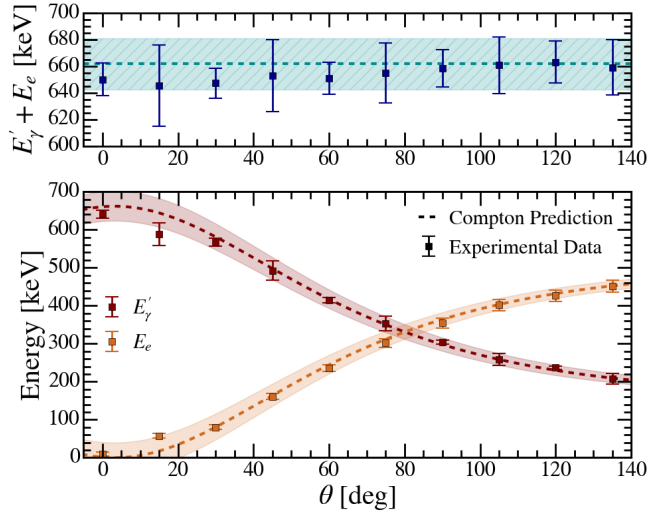


FIG. 1.

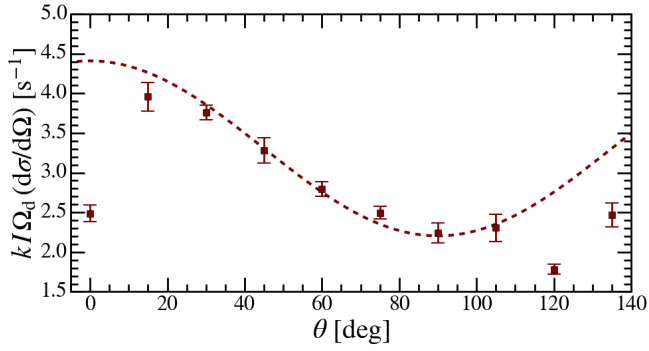


FIG. 2.

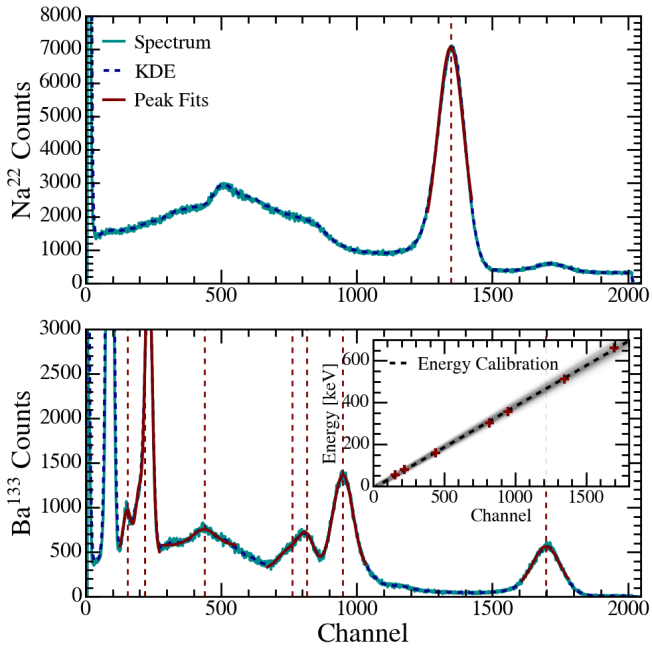


FIG. 3.