

Observing the Normal Zeeman Effect and Estimating e/m for Orbital Electrons

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1 Introduction

Intro

2 Method

method

3 Results

3.1 Part 1: Observing the Zeeman split perpendicularly to the magnetic field

4 Conclusion

Conclusion

	Without Field	With Field	
<u>Trial</u>	Line Position	Upper edge position	Lower edge position
<u>1</u>	3.61	3.67	3.60
<u>2</u>	3.44	3.55	3.46
<u>3</u>	3.29	3.40	3.34
<u>4</u>	3.15	3.27	3.18
<u>5</u>	3.03	3.14	3.06
<u>6</u>	2.90	3.00	2.94

Table 1: Raw Data for Part 1