Name of the Experiment

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Abstract

The abstract is a short summary of the report. It consicely describes the experiment and the results. A reader should be able to understand the main questions that are being investigated, the methods used to answer the questions, and results of the investigation from the abstract. Ideally, it should be between 100-200 words.

1 Introduction

In the introduction you should give a brief overview of the experiment. You should start with a brief description of the theoretical background behind the experiment. You should also mention the methods used in the experiment. You are expected to cite your sources[1] midtext.[1]

You can insert an inline equation using the $ sign. As in $E = mc^2$. To display an equation in the middle of the page use the following:

$$\int \frac{1}{x} dx = \ln |x| + C \tag{1}$$

2 Data & Results

Something	Something	Something	Something
1234	1234	1234	1234

Table 1: This is a caption for the table.

In this section, you are to present the data you obtain from the experiment,which is mostly going to be presented in the form of a table as in Table 1 or in the form of a graph as in Figure 1. The manuals for the experiments have instructions on how to present the data, and in the case of any ambiguity you TA will provide you with the necessary information. You should also include any calculations you do in this section. A brief discussion of the results should also be included.

[1] More information on how to do this can be found in the references section.

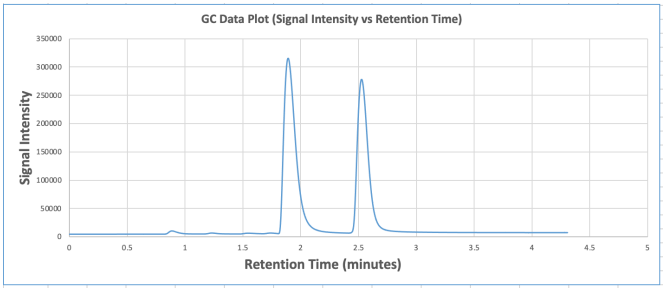

Figure 1: This is a caption for the figure.

3 Discussion & Conclusion

In this section, you are expected to discuss the limitations of the experiment and how these limitations may have affected the results. Meaning, you are to discuss the possible errors, the approximations you made in obtaining physical data, and the discrepancies you see between the results you obtain and the theoretical values or the values reported in the literature. You should also discuss the possible improvements that can be made to the experiment.

References

[1] Sergey Bravyi et al. In: 125.26 (Dec. 2020). DOI: 10.1103/physrevlett.125.260505. URL: https://doi.org/10.1103%2Fphysrevlett.125.260505.