

THE PENNSYLVANIA STATE UNIVERSITY Test  
SCHREYER HONORS COLLEGE

DEPARTMENT OF DEPARTMENT

TITLE OF THESIS

NAME  
SEASON NOW

A thesis  
submitted in partial fulfillment  
of the requirements  
for baccalaureate degrees  
in Major1 and Major2  
with honors in Area of Honors

Reviewed and approved\* by the following:

Some Person  
Professor of Something  
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# Abstract

Abstract abstract abstract. Abstract? Abstract! Abstract...

# Table of Contents

<b>List of Figures</b>	<b>iii</b>
<b>List of Tables</b>	<b>iv</b>
<b>Acknowledgements</b>	<b>v</b>
<b>1 Introduction and Historical Review</b>	<b>1</b>
1.1 Introduction . . . . .	2
1.2 Literature Review . . . . .	2
1.3 Thesis Outline . . . . .	2
<b>2 Problem Statement</b>	<b>3</b>
<b>3 Methodology</b>	<b>4</b>
<b>4 Results</b>	<b>5</b>
<b>5 Conclusions and Recommendations For Future Work</b>	<b>6</b>
<b>Bibliography</b>	<b>7</b>

# List of Figures

1.1	Caption to go in list of figures . . . . .	2
-----	--	---

# List of Tables

1.1	Name of table for list of tables . . . . .	2
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# Acknowledgements

To Mr. Scruffles.

# **Chapter 1**

## **Introduction and Historical Review**

## 1.1 Introduction

Blah blah blah. Here is an example of how to include and cite a figure: see Figure 1.1

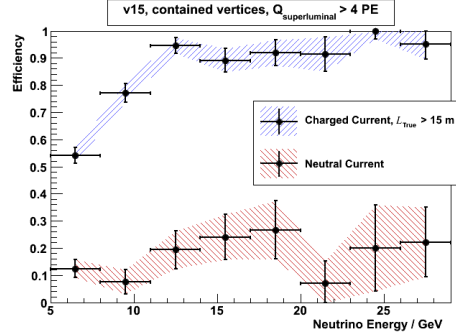


Figure 1.1: Caption to go underneath figure

## 1.2 Literature Review

Blah blah blah Here's an example of a table: see Table 1.1.

Parameter	Current Best Value
$\Delta m_{21}^2$	$7.50^{+0.19}_{-0.20} \times 10^{-3} \text{ eV}^2$
$ \Delta m_{32}^2 $	$2.32^{+0.12}_{-0.08} \times 10^{-5} \text{ eV}^2$
$\sin^2(\theta_{12})$	$0.857^{+0.023}_{-0.025}$
$\sin^2(2\theta_{23})$	$> 0.95$
$\sin^2(\theta_{13})$	$0.098 \pm 0.013$

Table 1.1: Name of table for caption above table

Here's an example of an equation and some math:

$$U = \begin{pmatrix} c_{12}c_{13} & s_{12}c_{13} & s_{13}e^{i\delta} \\ -s_{12}c_{23} - c_{12}s_{23}s_{13}e^{i\delta} & c_{12}c_{23} - s_{12}s_{23}s_{13}e^{i\delta} & s_{23}c_{13} \\ s_{12}s_{23} - c_{12}c_{23}s_{13}e^{i\delta} & -c_{12}s_{12} - s_{12}c_{23}s_{13}e^{i\delta} & c_{23}c_{13} \end{pmatrix}, \quad (1.1)$$

with  $c_{ij} = \cos \theta_{ij}$  and  $s_{ij} = \sin \theta_{ij}$ .

Here's an example citation: [1].

## 1.3 Thesis Outline



# **Chapter 2**

## **Problem Statement**

# **Chapter 3**

## **Methodology**

# **Chapter 4**

## **Results**

# **Chapter 5**

## **Conclusions and Recommendations For Future Work**

# Bibliography

- [1] J. Beringer et al. Review of particle physics. *Phys. Rev. D*, 86:010001, Jul 2012.