

A Search for Sterile Neutrinos at the NO ν A Far Detector

A DISSERTATION PRESENTED
BY
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ABSTRACT

We measured things. And searched for other things. Here is what we found, please let me graduate.

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THIS IS THE DEDICATION.

Acknowledgments

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Introduction

1

A Brief History of Neutrinos

I.I POSSIBLE EVIDENCE OF STERILE NEUTRINOS

2

Theory of Neutrino Oscillations

2.1 STANDARD 3-FLAVOR OSCILLATIONS

2.2 MATTER EFFECTS

2.3 STERILE NEUTRINOS

3

The NO ν A Experiment

3.1 INTRODUCTION

4

Conclusion

The results of this analysis are consistent with no sterile neutrinos.

References



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