

**Geoneutrino oscillations
approach to discriminate
distributions of HPE in the
Earth's mantle using the
Monte Carlo Technique.**
Monography for Geoscientist degree ¹

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Dedicated to Calvin and Hobbes.

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Preface

Acknowledgements

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Introduction

“This is a quote and I don’t know who said this.”

– Author’s name, *Source of this quote*

2

Relevance of the Study

3

Distribution of Radioactive Elements

3.1 Relative Abundances

4

Radioactivity

4.1 Decay Chains

4.2 (Anti)Neutrino emission

5

Neutrino Physics

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The Model

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Results

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Analysis

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Further Problems

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Conclusions