# Models of radiative neutrino mass and lepton-flavour non-universality

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Submitted in total fulfilment of the requirements of the degree of

Doctor of Philosophy

School of Physics The University of Melbourne

September 2020

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## Abstract

This is the beginning of a long journey to finishing the PhD.

## Declaration

#### This is to certify that

- 1. the thesis comprises only my original work towards the PhD,
- 2. due acknowledgement has been made in the text to all other material used,
- 3. the thesis is less than 100,000 words in length, exclusive of tables, maps, bibliographies and appendices.

John Gargalionis, September 2020

# Acknowledgements

I would like to thank my chicken.

For science.

## Contents

List of Figures		xii
Lis	et of Tables	xiv
1	Introduction	1
	1.1 Introduction	1
2	Model-building from effective operators	3
	2.1 Introduction	3
Appendix A The Force Awakens		5
	A.1 Introduction	5
De	efinition of Symbols and Acronyms	9
Inc	dex	10

# List of Figures

# List of Tables

1

## Introduction

#### 1.1 Introduction

This is a test of *something with an apple* that I would like [1]. The following is 4a+5=13 some inline math and this and we did in Python.

$$\int_{-\infty}^{\infty} \frac{1}{(2\pi\hbar)^3} \varphi(p) dp \ . \tag{1.1}$$

We need some sans serif **words** here too. Then we need to check **what** the bold looks like.

2

## Model-building from effective operators

#### 2.1 Introduction

This is a test of *something with an apple* that I would like [1]. The following is 4a+5=13 some inline math and this and we did in Python.

$$\int_{-\infty}^{\infty} \frac{1}{(2\pi\hbar)^3} \varphi(p) dp \ . \tag{2.1}$$

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#### The Force Awakens

#### A.1 Introduction

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6 The Force Awakens

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A.1 Introduction 7

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D

## Definition of Symbols and Acronyms

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DFT density functional theory

L

lipsum Lorem Ipsum, a special type of fudge dolor No idea why ibit Sounds right, doesn't it?

P

\pi (\pi) Greek letter pi, \Pi does this work?

R

radial distribution function (g(r))

RDF radial distribution function
```

## Index

```
bold, 3

DFT, 1, 3

dolor, 1, 3

ibit, 1, 3

inline, 1

lipsum, 1, 3

\pi, 1, 3

radial distribution function, 1, 3

RDF, 1, 3
```

# Bibliography

[1] S. Weinberg, A Model of Leptons, Phys. Rev. Lett. 19 (1967) 1264–1266.