Impressive thesis title

Jonatan Raúl Vignatti Muñoz

Universidad Técnica Federico Santa María

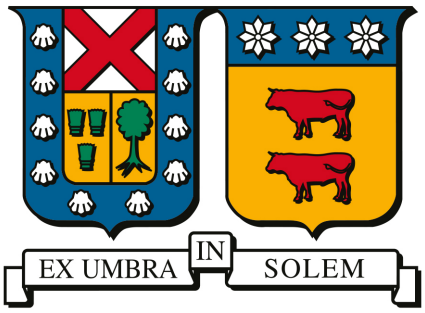
i *Submitted in partial completion of the*

PhD in physical sciences

Abstract

Abstract goes here for both works

Impressive thesis title



Jonatan Raúl Vignatti Muñoz

Universidad Técnica Federico Santa María

Submitted in partial completion of the

PhD in physical sciences

Acknowledgements

Personal

Institutional

Abstract

Abstract goes here for both works

Contents

List of Figures **ix**

List of Abbreviations **xi**

1 Introduction **1**
1.1 Standard Model 1
1.2 Contribution 1

2 Model Building **3**
2.1 Extension of the Standard Model 3
2.1.1 Discrete symmetries 3

3 RGE effects on lepton-flavor violating neutral meson decays **5**
3.1 Lepton Flavor Violation Effective Lagrangian 5

Appendices

List of Figures

List of Abbreviations

Y . . . . . Some abbreviations

Z . . . . . Some abbreviations

Neque porro quisquam est qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit...

There is no one who loves pain itself, who seeks after it and wants to have it, simply because it is pain...

— Cicero's *de Finibus Bonorum et Malorum*

1 Introduction

Contents

1.1 Standard Model 1
1.2 Contribution 1

1.1 Standard Model

1.2 Contribution

Alles Gescheite ist schon gedacht worden.
Man muss nur versuchen, es noch einmal zu denken.

All intelligent thoughts have already been thought;
what is necessary is only to try to think them again.

— Johann Wolfgang von Goethe
[**von_goethe_wilhelm_1829**]

2 Model Building

Contents

2.1 Extension of the Standard Model 3
2.1.1 Discrete symmetries 3

2.1 Extension of the Standard Model

2.1.1 Discrete symmetries

Alles Gescheite ist schon gedacht worden.
Man muss nur versuchen, es noch einmal zu denken.
All intelligent thoughts have already been thought;
what is necessary is only to try to think them again.

— Johann Wolfgang von Goethe
[**von_goethe_wilhelm_1829**]

3

RGE effects on lepton-flavor violating neutral meson decays

Contents

3.1 Lepton Flavor Violation Effective Lagrangian 5

3.1 Lepton Flavor Violation Effective Lagrangian

Appendices