

NONLINEAR DYNAMICS STUDIES AT THE FNAL RECYCLER RING

By

Cristhian Gonzalez-Ortiz

A DISSERTATION

Submitted to
Michigan State University
in partial fulfillment of the requirements
for the degree of

Physics—Doctor of Philosophy

2024

ABSTRACT

Copyright by
CRISTHIAN GONZALEZ-ORTIZ
2024

ACKNOWLEDGEMENTS

Your acknowledgements here.

TABLE OF CONTENTS

LIST OF ABBREVIATIONS	vi
CHAPTER 1: INTRODUCTORY ACCELERATOR PHYSICS	1
APPENDIX YOUR APPENDIX	2

LIST OF ABBREVIATIONS

ASU	Arizona State University
MIT	Massachusetts Institute of Technology
MSU	Michigan State University

CHAPTER 1

INTRODUCTORY ACCELERATOR PHYSICS

The starting point for this work is the following Hamiltonian:

APPENDIX
YOUR APPENDIX