

UNIVERSITY OF CALIFORNIA,  
IRVINE

The LHC Grows Up: Searches for New Physics in Dilepton Final States and Upgrades to  
the Muon System of the ATLAS Experiment.

DISSERTATION

submitted in partial satisfaction of the requirements  
for the degree of

DOCTOR OF PHILOSOPHY

in Physics

by

Daniel Joseph Antrim

Dissertation Committee:  
Professor A, Chair  
Professor B  
Professor C

2019



# DEDICATION

(Optional dedication page)

To ...

# TABLE OF CONTENTS

	Page
LIST OF FIGURES	iv
LIST OF TABLES	v
ACKNOWLEDGMENTS	vi
CURRICULUM VITAE	vii
ABSTRACT OF THE DISSERTATION	ix
Bibliography	1

# LIST OF FIGURES

Page

# LIST OF TABLES

Page

# ACKNOWLEDGMENTS

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# CURRICULUM VITAE

Daniel Joseph Antrim

## EDUCATION

Doctor of Philosophy in Computer Science

2012

University name

*City, State*

Bachelor of Science in Computational Sciences

2007

Another university name

*City, State*

## RESEARCH EXPERIENCE

Graduate Research Assistant

2007–2012

University of California, Irvine

*Irvine, California*

## TEACHING EXPERIENCE

Teaching Assistant

2009–2010

University name

*City, State*



## REFEREED JOURNAL PUBLICATIONS

**Ground-breaking article**

**2012**

Journal name

## REFEREED CONFERENCE PUBLICATIONS

**Awesome paper**

**Jun 2011**

Conference name

**Another awesome paper**

**Aug 2012**

Conference name

## SOFTWARE

**Magical tool**

<http://your.url.here/>

*C++ algorithm that solves TSP in polynomial time.*

# ABSTRACT OF THE DISSERTATION

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By

Daniel Joseph Antrim

Doctor of Philosophy in Physics

University of California, Irvine, 2019

Professor A, Chair

The abstract of your contribution goes here.

# Bibliography