R&D OF A HIGH-PERFORMANCE DIRC DETECTOR FOR USE IN AN ELECTRON-ION COLLIDER

by

S. Lee Allison MS in Physics

A Dissertation Submitted to the Faculty of Old Dominion University in Partial Fulfillment of the Requirements for the Degree of

DOCTOR OF PHILOSOPHY

PHYSICS

OLD DOMINION UNIVERSITY month that the degree is to be awarded

Approved by:

Charles Hyde (Director)

member 1 (Member)

member 2 (Member)

ABSTRACT

R&D OF A HIGH-PERFORMANCE DIRC DETECTOR FOR USE IN AN ELECTRON-ION COLLIDER

S. Lee Allison Old Dominion University, 2016 Director: Dr. Charles Hyde

text of abstract goes here

Copyright, 2016, by S. Lee Allison, All Rights Reserved.

ACKNOWLEDGEMENTS

TABLE OF CONTENTS

Pag	зe
LIST OF TABLES	vi
LIST OF FIGURES	⁄ii
Chapter	
l	1
BIBLIOGRAPHY	2
APPENDICES	
A	3
VITA	4

LIST OF TABLES

Table Page

LIST OF FIGURES

Figure Page

CHAPTER 1

INTRODUCTION

1.1

1.1.1

BIBLIOGRAPHY

[1] G. E. Brown and A. D. Jackson, *The Nucleon–Nucleon Interaction* (North–Holland, Amsterdam, 1976).

APPENDIX A

VITA

S. Lee Allison Department of Physics Old Dominion University Norfolk, VA 23529

The text of the Vita goes here.