

WEIZMANN INSTITUTE OF SCIENCE

Searches for new phenomena in final states with leptons and jets using the ATLAS detector

DISSERTATION

submitted in partial fulfilment of the requirements
for the degree of

DOCTOR OF PHILOSOPHY

in Physics

by

Roy Schimmel Brener

Month, 2026

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ACKNOWLEDGMENTS

I would like to thank...

(You must acknowledge grants and other funding assistance.

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ABSTRACT OF THE DISSERTATION

Searches for new phenomena in final states with leptons and jets using the ATLAS detector

By

Roy Schimmel Brener

Weizmann Institute of Science, Month, 2026

The abstract of your contribution goes here.

Chapter 1

Introduction

This is an example using the L^AT_EX template for UCI theses and dissertation documents [1].

Figure 1.1 is just for illustration purposes, as is Table 1.1.

1.1 Background

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```
#include <iostream>
int main(int argc, char** argv) {
    std::cout << "Hello World." << std::endl;
    return 0;
}
```

Figure 1.1: Example source code.

x	y	z
14	12	-2
0	33	-25
-3	11	22
4	4	6

Table 1.1: Example coordinates.

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Bibliography

- [1] L. Otten. LaTeX template for thesis and dissertation documents at UC Irvine.
<https://github.com/lotten/uci-thesis-latex/>, 2012.

Appendix A

Appendix Title

Supplementary material goes here. See for instance Figure A.1.

A.1 Lorem Ipsum

dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

“I am glad I was up so late,
for that’s the reason I was up so early.”
William Shakespeare (1564-1616), British dramatist, poet.
Cloten, in Cymbeline, act 2, sc. 3, l. 33-4.

Figure A.1: A deep quote.