



Eidgenössische Technische Hochschule Zürich  
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# Same-sign dileptons as a search tool at CMS

Doctoral Thesis

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## **Abstract**

This example thesis briefly shows the main features of our thesis style, and how to use it for your purposes.



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## Chapter 1

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# Introduction

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This is version v1.4 of the template.

We assume that you found this template on our institute's website, so we do not repeat everything stated there. Consult the website again for pointers to further reading about L<sup>A</sup>T<sub>E</sub>X. This chapter only gives a brief overview of the files you are looking at.

## 1.1 Features

The rest of this document shows off a few features of the template files. Look at the source code to see which macros we used!

The template is divided into T<sub>E</sub>X files as follows:

1. `thesis.tex` is the main file.
2. `extrapackages.tex` holds extra package includes.
3. `layoutsetup.tex` defines the style used in this document.
4. `theoremsetup.tex` declares the theorem-like environments.
5. `macrosetup.tex` defines extra macros that you may find useful.
6. `introduction.tex` contains this text.
7. `sections.tex` is a quick demo of each sectioning level available.
8. `refs.bib` is an example bibliography file. You can use BibT<sub>E</sub>X to quote references. For example, read [?] if you can get a hold of it.

### 1.1.1 Extra package includes

The file `extrapackages.tex` lists some packages that usually come in handy. Simply have a look at the source code. We have added the following comments based on our experiences:

**REC** This package is recommended.

**OPT** This package is optional. It usually solves a specific problem in a clever way.

**ADV** This package is for the advanced user, but solves a problem frequent enough that we mention it. Consult the package's documentation.

As a small example, here is a reference to the Section *Features* typeset with the recommended *varioref* package:

See Section 1.1 on the preceding page.

### 1.1.2 Layout setup

This defines the overall look of the document – for example, it changes the chapter and section heading appearance. We consider this a ‘do not touch’ area. Take a look at the excellent *Memoir* documentation before changing it.

In fact, take a look at the excellent *Memoir* documentation, full stop.



## Appendix A

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# Dummy Appendix

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You can defer lengthy calculations that would otherwise only interrupt the flow of your thesis to an appendix.

