修士論文

Title of your thesis

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July 29, 2024

概要

This is the abstract of the thesis.

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第1章

Introduction

This is the introduction.

1.1 2番目

This is the second page of the introductory chapter.

1.2 THIRD PAGE 3

1.2 Third page

This is the third page of the introductory chapter.

You can use \putFigure command to put a figure into the document. The formula is following:

$$\label{label name} $$ \displaystyle \operatorname{putFigure[option]{file location}{caption}{label name} $$ (1.1)$$$

where in the option we can set the width of the figure with the unit of \setminus textwidth. The example shows in \boxtimes 1.1. The JPEG format can also be handled (see Fig. 1.2).

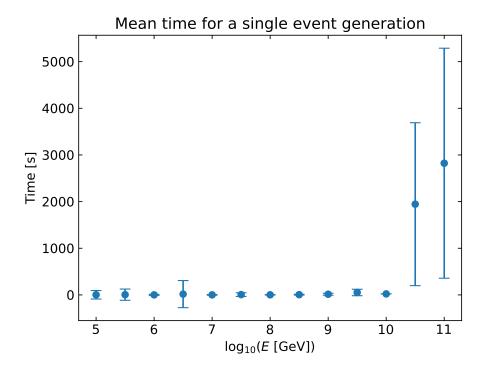


図 1.1: PDF format example



図 1.2: JPEG format example

The command \putTable is also available. But it is less useful than the \putFigure since there are a lot of parameters for definition a table. Here, an example is shown. If you define a table with 2 columns and 2 rows, the command you should type is following:

\putTable{cc}{1 & 2\\\midrule 3 & 4}{Example of the table}{tab:exmpl} (1.2) then we get 表 1.1.

表 1.1: Example of the table

第2章

Physics motivation

2.1 Unit (siunitx package)

Units are important for the physics. This template includes siunitx package so that you can easily write units properly. You can find several descriptions for the way to use siunitx on the internet (for example, http://www.yamamo10.jp/yamamoto/comp/latex/make_doc/unit/index.php in Japanese).

2.2 Physics package

This template already includes the physics package. A helpful reference can be https://qiita.com/HelloRusk/items/ce9f49e9b3fc0344ae23.

2.3 Overleaf support

This template should work on the Overleaf platform. You should upload all of the files in the template and make sure the "Main document" in the Menu is main.tex. If you write it in Japanese, the "Compiler" in the menu should be set to LaTeX (the default is pdfLaTeX, but it is not working if the document contains non-alphabet characters).

第3章

Description of the Detector

The ATLAS Detector [1] is the multi-purpose detector for the experiment of the particle physics.

第4章

Object definition

第5章

Signal Optimisation

第6章

Background Estimation

第7章

Systematics

第8章

Results

第9章

Conclusion

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謝辞

Thanks, many thanks for all my friends. ありがとう. 本当にありがとう. 日本語の場合は「謝辞」であることが多いが, 英語の時は追記事項 (Acknowledgment) を書くことが多い. その中での謝辞である.

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Bibliography

[1] G. Aad et al. (ATLAS Collaboration), "The ATLAS Experiment at the CERN Large Hadron Collider", JINST 3, S08003 (2008).

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