



LATEX FOR BEGINNERS DIGITAL ENVIRONMENT • WORKSHOP

Code: A-LateXBeg

Duration: 3 half-days (4hr) , 2 sessions/year, 20 places/session

Public: all doctoral candidates

Lecturer: Bertrand Laforge, laforge@lpnhe.in2p3.fr

Requisite: none

Objectives

Initiation to LaTeX for beginners

The course/workshop will be held in English in case of non-French speaking attendees

Contents

3 sessions dealing with the basics of LaTeX

- Introduction to TeX and LaTeX
 - General discussion about TeX and LaTeX processing
 - Typesetting vs word-processing – WYSIWYM vs WYSIWIG
 - Files names and TDS structure, Motors and Advantages of pdflatex
 - Simple macro definitions
- LaTeX document structure:
 - Classes of LaTeX2e, essential packages: for fonts and language
 - Formatting text and Environments
 - Sectioning commands
 - Document layout, page layout, headers and footers
 - Cross-references
- Controlling text, spaces, breaking lines and pages, and boxes...
- Basic math typesetting in LaTeX
- Basics on bibliography with BibTeX
- Graphics in LaTeX:
 - Embedding graphics (EPS, PNG, JPEG, PDF)
 - Floats and Captions
- Hyperref: URLs, Bookmarks and Hyperlinks
- Simple customization of sectioning commands

Method

Presentation and practical exercises

Doctoral candidates must have their SU login/password or, failing that, bring a laptop with LaTeX already installed or a flash drive in the FAT32 format