Preparing beautiful presentations in the HZDR style

—A LaTeX template—

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Introduction

This template is based on the popular LaTeX Beamer class. It tries to mimic the official presentation template outlined in the corporate design guidelines (https://www.fzd.de/pls/rois/Cms?pNid=2220).

Some minor settings such as additional logos or the document font can be adjusted in the heading section of this document's source file.

The directory `LaTeX-Beamer` should be used as the master. Make a copy of it for every new presentation.

Please mail suggestions, improvements or feature requests to a.grahn@hzdr.de.

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Pitfalls (I)

- The packages Beamer-3.10 and PGF-2.10 are required. Update your TEX installation if necessary.
- The template works only with pdfLATEX. Therefore, graphics files for inclusion should be provided in the PDF format for all kinds of graphics (line graphics, bitmapped images, photographs), PNG for artificially created bitmapped material and photographs, JPEG for photographs. Existing EPS files can be converted to PDF using `epstopdf`, which should be part of every TEX installation.

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Pitfalls (II)

- This template uses CM-Bright as the main text font. It looks good and, unlike CM-Sans which Beamer uses by default, it comes with a suitable math font. Make sure that CM-Bright is installed as Type-1 font in your TEX system. For this, you need the packages ‘cm-super’ and ‘hfbright’ (use the package manager of your TEX system for installation). Otherwise, the bitmapped version of the font is used and the final PDF is of bad quality.
- If you want Arial or Helvetica, as recommended by the corporate design guidelines, you can adjust this in the header of the source file of this document. As both fonts lack a matching math font, the template uses CM-Bright for the glyphs in math mode. For Arial you need the ‘arial’ and for Helvetica the ‘helvet’ LATEX packages. Package ‘hfbright’ is needed for the math glyphs.

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Predefined colours

The template defines a set of colours according to the CD guidelines:

- Helmholtz Blue
- Rossendorf Orange
- Helmholtz Dark Blue
- Gray1
- Gray2
- Gray3
- Structure of Matter
- Health
- Energy
- Earth and Environment
- Key Technologies
- Aeronautics, Space and Transport

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Frame Title

Frame Subtitle

By default, frame titles are automatically added as bookmarks to the ↗ Bookmarks tab of Adobe Reader. You can use `\noautobookmark` to temporarily disable this behaviour, as in this slide. The command `\autobookmark` returns to the default behaviour.

Some math text:

$$E = mc^2 \tag{1}$$

$$\rho = \frac{m}{V} \tag{2}$$

$$\omega = \frac{\partial v}{\partial x} - \frac{\partial u}{\partial y} \tag{3}$$

$$\int_0^1 2x \, \mathrm{d}x = 1 \tag{4}$$

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Embedded video example

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Tooltips

In addition to the standard Beamer class features, this template defines a command for inserting Pop-Up boxes into the slide text:

`\tooltip[<link colour>]{<link text>}[<tip box colour>]{<tip text>}`

Pop-ups work well in Adobe Reader. They can be dragged around and pinned down at another location on the page; just click the link text. Longer tip text spanning multiple lines should be placed into a `\parbox` which should not be wider than `\linewidth`.

Here is an example text with pop-ups using default colours:

Einstein's formula is well known. Another famous formula is due to Pythagoras.

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