

Measuring γ in $B^\pm \rightarrow (K^+ K^- \pi^+ \pi^-)_D K^\pm$ decays

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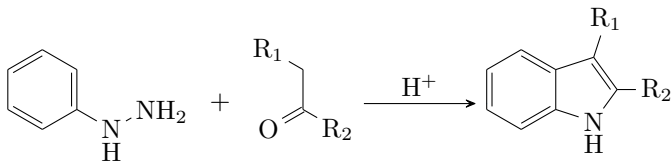
Oxford LHCb

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Introduction

- In these slides we show how Overleaf can be used with standard chemistry packages to easily create professional presentations.
- If you're new to \LaTeX , check out this free introductory course by Overleaf founder Dr John Lees-Miller: www.overleaf.com/blog/7
- You can also find more quick tips and tricks on the help pages at www.overleaf.com/help



The chemistry packages

We focus on two L^AT_EX chemistry packages:

The chemfig package

This package provides the command which draws molecules. Created by Christian Tellechea, a detailed user guide can be found here:

www.tex.ac.uk/ctan/macros/generic/chemfig/chemfig_doc_en.pdf

The mhchem package

The mhchem package provides simple commands for typesetting chemical molecular formulae and equations. Created by Martin Hensel, a detailed user guide can be found here:

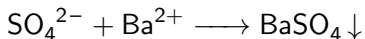
<http://mirror.ox.ac.uk/sites/ctan.org/macros/latex/contrib/mhchem/mhchem.pdf>

Chemical equations with mhchem

- The mhchem package lets you write chemical equations in L^AT_EX with the minimum of effort.
- The example below shows how the standard representation of a reaction (on the left) is created from the simple code on the right:

$\text{CO}_2 + \text{C} \longrightarrow 2 \text{CO}$ is created with `\ce{C02 + C -> 2C0}`

- More complicated reactions are still easy to write:



is created with

`\ce{S04^2- + Ba^2+ -> BaS04 v}`

Where to go next...

- This short example was designed to introduce you to using Overleaf for scientific presentations.
- This is made possible by the many great packages that have been developed for \LaTeX , including the two we focused on here (plus the Beamer package used for the overall presentation style).
- For more help on using \LaTeX , see the links on the Overleaf help page: www.overleaf.com/help or check out our free introductory course: www.overleaf.com/blog/7.

Follow @overleaf on Twitter for all the latest news and updates.

Happy \LaTeX ing!