

# Time Variation of Muon Rate

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# Introduction

- MUONS N SHIT

## Block Diagram

### Sweet Boundaries

God this text has a beautiful boundary

# Cosmic Rays

sdfla

ERTH

It turns out the earth rotates

# Electronics and Temp

sdfla

## Chemical equations with mhchem

- The mhchem package lets you write chemical equations in L<sup>A</sup>T<sub>E</sub>X 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:
- More complicated reactions are still easy to write:

## Getting started with some chemfig coffee

It's easy to use the chemfig package for drawing complex molecules:

If that looks quite daunting, we can learn from simpler molecules. . . how about a single water molecule?



## Experiments with water and rings

To see how the `chemfig` package creates the drawings from your code, let us look at the simple water molecule:

The simple L<sup>A</sup>T<sub>E</sub>X code on the right is automatically converted into the molecular formula for water on the left.

Rings are similarly easy to code - consider the examples below:

## 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  $\text{\LaTeX}$ , including the two we focused on here (plus the Beamer package used for the overall presentation style).
- For more help on using  $\text{\LaTeX}$ , see the links on the Overleaf help page:

- [1] Leslie Lamport, *L<sup>A</sup>T<sub>E</sub>X: a document preparation system*, Addison Wesley, Massachusetts, 2nd edition, 1994.