UNIVERSITY OF CAMBRIDGE

PREPRINT

Title goes here

Author One[1] and Author Two[2]

[1]Department, University, Country.
[2]Department, University, Country.

Keywords: keyword1, keyword2, keyword3

Abstract
Abstracts should be 250 words. It must be able to stand alone and so cannot contain citations to the paper's references, equations, etc. An abstract must consist of a single paragraph and be concise. Because of online formatting, abstracts must appear as plain as possible.

Plain Language Summary
A plain language summary should be written in accessible terms for non-specialist readers. It is typically 150–200 words and explains the purpose of the study, the approach used, and the key findings without technical jargon, equations, or references. The summary should be clear, concise, and free of abbreviations or specialised terminology so that it can be understood by the general public, policymakers, and researchers in other disciplines.

1. Insert A head here

This demo file is intended to serve as a "starter file". It is for preparing manuscript submission only, not for preparing camera-ready versions of manuscripts. Manuscripts will be typeset for publication by the journal, after they have been accepted.

By default, this template uses `bibtex` and adopts the AMS referencing style. However, the journal you're submitting to may require a different reference style; specify the journal you're using with the class' `journal` option — see lines 1–19 of *Sample.tex* for a list of options and instructions for selecting the journal.

Overleaf will run `pdflatex` and `bibtex` automatically as needed. But if you had *first* compiled using another `journal` option that adopts `biblatex`, and *then* change the `journal` option to one that adopts BibTEX, you may get some compile error messages instead. In this case you will need to do a 'Recompile from scratch'; see https://www.overleaf.com/learn/how-to/Clearing_the_cache.

On a local LATEX installation, you would need to run these steps instead:

1. Delete `sample.aux`, `sample.bbl` if these files from a previous compile using `biber` still exist.
2. `pdflatex sample`
3. `bibtex sample`
4. `pdflatex sample`
5. `pdflatex sample`

Some journals e.g. `journal=wet` require `biblatex`. For such journals, you will need to

- uncomment the existing `\addbibresource{example.bib}`;
- change the existing `\bibliography{example}` to be `\printbibliography` instead.

If you are submitting to a journal that uses `biblatex` and using this template on Overleaf, Overleaf's build tool will automatically run `pdflatex` and `biber`. If you are compiling this template on your own local LATEX installation, please execute the following commands:

1. `pdflatex sample`
2. `biber sample`
3. `pdflatex sample`
4. `pdflatex sample`

1.1. Insert B head here

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1.1.1. Insert C head here

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3. Equations

Equations in LaTeX can either be inline or on-a-line by itself. For inline equations use the `$...$` commands. Eg: The equation $H\psi = E\psi$ is written via the command $H\psi = E\psi$.

For on-a-line by itself equations (with auto generated equation numbers) one can use the equation or eqnarray environments *D*.

$$\mathcal{L} = i\psi\gamma^{\mu}D_{\mu}\psi - \frac{1}{4}F^{a}_{\mu\nu}F^{a\mu\nu} - m\psi\psi \tag{3.1}$$

where,

$$\begin{aligned} D_{\mu} &= \partial_{\mu} - ig\frac{\lambda^{a}}{2}A^{a}_{\mu} \\ F^{a}_{\mu\nu} &= \partial_{\mu}A^{a}_{\nu} - \partial_{\nu}A^{a}_{\mu} + gf^{abc}A^{b}_{\mu}A^{a}_{\nu} \end{aligned} \tag{3.2}$$

Notice the use of `\nonumber` in the align environment at the end of each line, except the last, so as not to produce equation numbers on lines where no equation numbers are required. The `\label{}` command should only be used at the last line of an align environment where `\nonumber` is not used.

$$Y_{\infty} = \left(\frac{m}{\text{GeV}}\right)^{-3}\left[1 + \frac{3\ln(m/\text{GeV})}{15} + \frac{\ln(c_2/5)}{15}\right] \tag{3.3}$$

The class file also supports the use of `\mathbb{}`, `\mathscr{}` and `\mathcal{}` commands. As such `\mathbb{R}`, `\mathscr{R}` and `\mathcal{R}` produces $\mathbb{R}$, $\mathscr{R}$ and $\mathcal{R}$ respectively.

4. Figures

As per the LaTeX standards eps images in `latex` and pdf/jpg/png images in `pdflatex` should be used. This is one of the major differences between `latex` and `pdflatex`. The images should be single page documents. The command for inserting images for latex and pdflatex can be generalized. The package that should be used is the graphicx package.

5. Tables

Tables can be inserted via the normal table and tabular environment. To put footnotes inside tables one has to use the additional "fntable" environment enclosing the tabular environment. The footnote appears just below the table itself.

[1] This is sample for footnote this is sample for footnote this is sample for footnote this is sample for footnote this is sample for footnote.

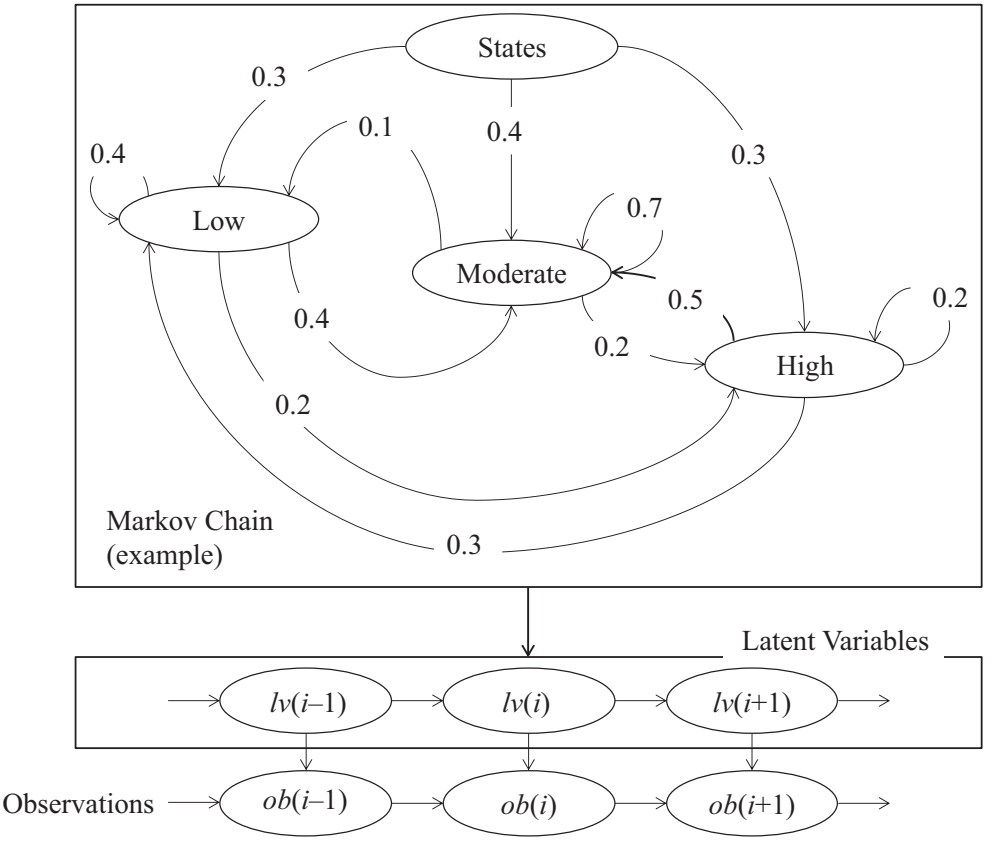

Figure 1: This is a widefig. This is an example of long caption this is an example of long caption this is an example of long caption this is an example of long caption

	Element 1			Element 2[1]		
Projectile	Energy	σ_{calc}	σ_{expt}	Energy	σ_{calc}	σ_{expt}
Element 3	990 A	1168	1547 ± 12	780 A	1166	1239 ± 100
Element 4	500 A	961	922 ± 10	900 A	1268	1092 ± 40

Note: This is an example of table footnote this is an example of table footnote this is an example of table footnote this is an example of table footnote this is an example of table footnote
[1]This is an example of table footnote

Table 1: Tables which are too long to fit, should be written using the "table*" environment as shown here

6. Cross referencing

Environments such as figure, table, equation, align can have a label declared via the `\label{#label}` command. For figures and table environments one should use the `\label{}` command inside or just below the `\caption{}` command. One can then use the `\ref{#label}` command to cross-reference them. As an example, consider the label declared for Figure 1 which is `\label{fig1}`. To cross-reference it, use the command `Figure \ref{fig1}`, for which it comes up as "Figure 1". The reference citations should used as per the "natbib" packages. Some sample citations: (Sellers 1969).

7. Lists

List in LaTeX can be of three types: enumerate, itemize and description. In each environments, new entry is added via the `\item` command. Enumerate creates numbered lists, itemize creates bulleted lists and description creates description lists.

1. First item in the number list.
2. Second item in the number list.
3. Third item in the number list.

List in LaTeX can be of three types: enumerate, itemize and description. In each environments, new entry is added via the `\item` command.

- First item in the bullet list.
- Second item in the bullet list.
- Third item in the bullet list.

A. Appendix. Title for Appendix Section

Appendix text here.

B. Conclusion

Some Conclusions here.

Acknowledgments. We are grateful for the technical assistance of A. Author.

Funding Statement. This research was supported by grants from the <funder-name><doi>(<award ID>); <funder-name><doi>(<award ID>).

Competing Interests. A statement about any financial, professional, contractual or personal relationships or situations that could be perceived to impact the presentation of the work — or 'None' if none exist

Code and Data Availability Statement. A statement about how to access data, code and other materials allowing users to understand, verify and replicate findings — e.g. Replication data and code can be found in Harvard Dataverse: `\url{https://doi.org/link}`. This manuscript was prepared using LaTeX (https://www.latex-project.org) on Overleaf (https://www.overleaf.com) with the `cam-modern` template (https://github.com/p3jitnath/cam-modern), derived from the Cambridge University Press `CUP-JNL-DTM` class (https://www.overleaf.com/latex/templates/cup-data-template/kwrskzvmfxbq).

Ethical Standards. The research meets all ethical guidelines, including adherence to the legal requirements of the study country.

LLM Usage. A statement about LLM Usage — e.g. The authors acknowledge the use of AI language models, specifically ChatGPT (GPT-5 Thinking mini and GPT-4o https://chatgpt.com), during the preparation of this work. These tools were used to polish language usage and improve the overall clarity of the manuscript, as well as to assist with designing plotting code for the graphs. All AI-generated content was reviewed, verified, and edited by the authors to ensure accuracy and appropriateness.

Author Contributions. Please provide an author contributions statement using the CRediT taxonomy roles as a guide `\url{https://www.casrai.org/credit.html}`. Conceptualization: A.A; A.B. Methodology: A.A; A.B. Data curation: A.C. Data visualisation: A.C. Writing original draft: A.A; A.B. All authors approved the final submitted draft.

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Sellers WD (1969) A Global Climatic Model Based on the Energy Balance of the Earth-Atmosphere System. en, 6 April **8**(3), Section: Journal of Applied Meteorology and Climatology, 392–400. ISSN: 1520-0450. https://journals.ametsoc.org/view/journals/apme/8/3/1520-0450_1969_008_0392_agcmbo_2_0_co_2.xml (accessed 6 April 2025).