

# LaTeX Template for Heavy Quarks and Leptons 2008 Conference Proceedings

A. Limosani  
*University of Melbourne, Victoria, Australia*

This document serves as a template for the proceedings of the HQL 2008 conference. Authors should prepare their papers using a copy and follow the guidelines described here. For optimum use, do not modify the page layout or styles.

## 1. Introduction

Proceedings of the IXth International Conference on Heavy Quarks and Leptons (HQL 2008) will be made available at the Electronic Conference Proceedings Archive<sup>1</sup>. The purpose of this document is to guide the author and to provide a template that maintains a uniform style for the proceedings; the next sections will describe this in detail.

## 2. Using this Template

The first step to preparing the paper is to copy the `slac_two.rtx` file, available at the HQL 2008 web site<sup>2</sup> for download as a template package, into a new directory. Next copy this template (`hql08_template.tex`) and rename it as `hql08_SpeakerName.tex`, where `SpeakerName` should be replaced by the name of the person who presented the talk at HQL 2008 (remove spacing between the first and last names as in this example). Edit the file to make the necessary modifications and save when finished.

Because this template has been set up to meet requirements for conference proceedings papers, it is important to maintain these established styles. Other editorial guidelines are described in the next section.

## 3. Manuscript

### 3.1. Text Layout

The page limit is 6 and 8 pages for 20 and 30 minute presentations respectively. Conciseness is appreciated. Avoid nestling more than three sub-levels in sections; also the first character of section title key words should be uppercase.

---

<sup>1</sup><http://www.slac.stanford.edu/econf/search.html>

<sup>2</sup><http://hql08.ph.unimelb.edu.au/proceedings.php>

### 3.2. Acronyms and Abbreviations

Acronyms should be defined the first time they appear. Abbreviations may be used for figures (Fig.), equations (Eq.) or if they are commonly used in language (etc., e.g., i.e., v.s.). However, when starting a sentence, abbreviations should not be used.

### 3.3. Tables

Tables may be one (e.g. Table I) or two columns (e.g. Table II) in width with single border lines. The caption should appear above the table and, in the tex file, labels should be used to refer to tables.

Table I Example of a Table.

Margin	Dual	A4 Paper	US Letter Paper
Top	7.6 mm (0.3 in)	37 mm (1.45 in)	19 mm (0.75 in)
Bottom	20 mm (0.79 in)	19 mm (0.75 in)	19 mm (0.75 in)
Left	20 mm (0.79 in)	20 mm (0.79 in)	20 mm (0.79 in)
Right	20 mm (0.79 in)	20 mm (0.79 in)	26 mm (1.0 in)

### 3.4. Figures

Figures may be one column (e.g. Figure 1) or span the paper width (e.g. Figure 2). Labels should be used to refer to the figures in the tex file. The figure caption should appear below the figure. Color figures are encouraged; however note that some colors, such as pale yellow, will not be visible when printed. Lettering in figures should be large enough to be visible. Filenames of figures in the tex file should be numbered consecutively, e.g. `figure1.ps`, `figure2a.ps`, `figure2b.ps`, `figure3.ps`, etc.

Table II Example of a Full Width Table.

H-Margin	Dual		A4		US Letter		V-Margins	Dual		A4		US Letter	
Left	20 mm	0.79 in	20 mm	0.79 in	20 mm	0.79 in	Top	7.6 mm	0.3 in	37 mm	1.45 in	19 mm	0.75 in
Right	20 mm	0.79 in	20 mm	0.79 in	26 mm	1.0 in	Bottom	20 mm	0.79 in	19 mm	0.75 in	19 mm	0.75 in

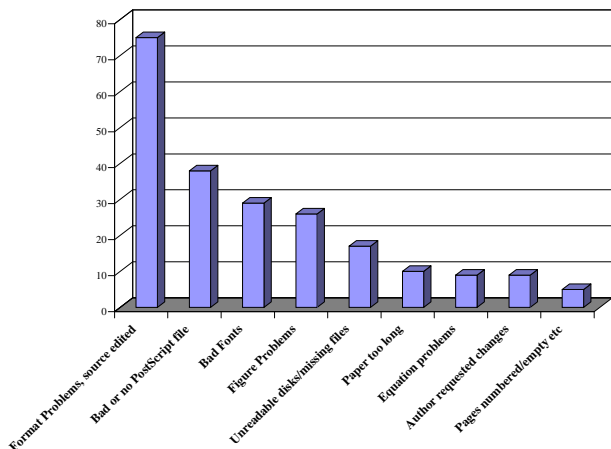


Figure 1: Example of a One-column Figure.

### 3.5. Equations

Equations may be displayed in several ways, as in Eq. 1

$$x = y. \quad (1)$$

The `eqnarray` environment may be used to split equations into several lines or to align several equations, for example in Eq. 2

$$\begin{aligned}
T &= Im[V_{11}V_{12}^*V_{21}^*V_{22}] \\
&\quad +Im[V_{12}V_{13}^*V_{22}^*V_{23}] \\
&\quad -Im[V_{33}V_{31}^*V_{13}^*V_{11}].
\end{aligned} \quad (2)$$

An alternative method is shown in Eq. 3 for long sets of equations where only one referencing equation number is required. Again, references should be to labels and not hard-coded equation numbers.

$$\begin{aligned}
\mathbf{K} &= Im[V_{j,\alpha}V_{j,\alpha+1}^*V_{j+1,\alpha}^*V_{j+1,\alpha+1}] \\
&\quad +Im[V_{k,\alpha+2}V_{k,\alpha+3}^*V_{k+1,\alpha+2}^*V_{k+1,\alpha+3}] \\
&\quad +Im[V_{j+2,\beta}V_{j+2,\beta+1}^*V_{j+3,\beta}^*V_{j+3,\beta+1}] \\
&\quad +Im[V_{k+2,\beta+2}V_{k+2,\beta+3}^*V_{k+3,\beta+2}^*V_{k+3,\beta+3}],
\end{aligned}$$

$$\begin{aligned}
\mathbf{M} &= Im[V_{j,\alpha}^*V_{j,\alpha+1}V_{j+1,\alpha}V_{j+1,\alpha+1}^*] \\
&\quad +Im[V_{k,\alpha+2}V_{k,\alpha+3}^*V_{k+1,\alpha+2}^*V_{k+1,\alpha+3}] \\
&\quad +Im[V_{j+2,\beta}^*V_{j+2,\beta+1}V_{j+3,\beta}V_{j+3,\beta+1}^*] \\
&\quad +Im[V_{k+2,\beta+2}V_{k+2,\beta+3}^*V_{k+3,\beta+2}^*V_{k+3,\beta+3}].
\end{aligned}$$

(3)

### 3.6. Footnotes

Footnotes should only be used in the body of the paper and not placed after the list of authors, affiliations, or in the abstract.

## 4. Paper Submission

Authors should email their papers to the Scientific Secretariat, Antonio Limosani, (antonio.limosani@unimelb.edu.au) after verifying that it is processed correctly by the LaTeX processor. The deadline to do this is 19 September 2008.

## 5. Refereeing and eprint arXiv submission

The papers will be refereed. Following this we will ask that you submit the refereed paper to the eprint arXiv (<http://arxiv.org/>)

Please submit the source code, the style files (revsymp.sty, revtex4.cls, slac.two.rtx) and any figures; these should be self-contained to generate the paper from source.

It is the author's responsibility to ensure that the papers are generated correctly from the source code at the ePrint server. After the paper is accepted by the ePrint server, please verify that the layout in the resulting PDF file conforms to the guidelines described in this document.

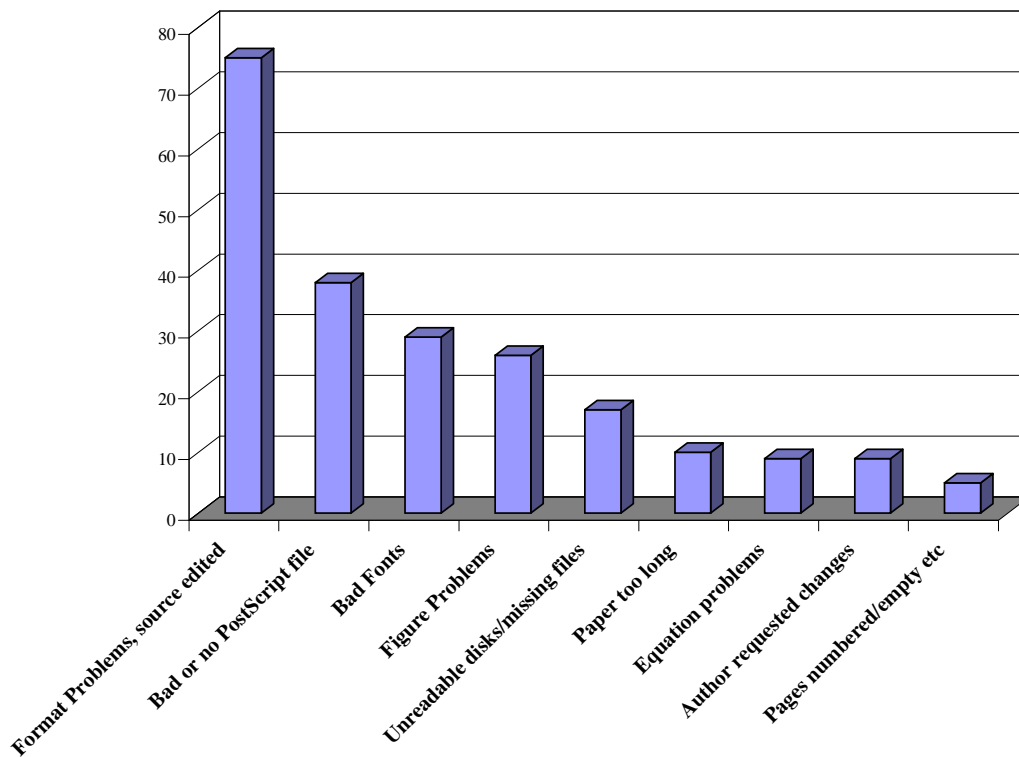


Figure 2: Example of a Full Width Figure.

## Acknowledgments

This document is adapted from the instructions provided to the authors of the proceedings papers at FPCP 06, Vancouver, Canada [1], and from eConf templates [2].

## References

- [1] <http://fpcp2006.triumf.ca/Proceedings.shtml>
- [2] <http://www.slac.stanford.edu/econf/editors/eprint-template/instructions.html>