Example Document

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March 11, 2015

Abstract

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Contents

0 Notes to reviewers

0.1 General goals

- **Audience:** my undergrad or graduate student self, particle physics students, aspiring philosophers of physics.
- Blah.

0.2 TODOs

- Blah.
- Blah.

0.3 Version history

- **v0.0** – 2015-03-06 – First rough draft.
- **v0.1** – 2015-03-07 – Improvements.

1 Introduction

1.1 A Sub-section

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2 How to use this template

2.1 Citations

- You probably want to usually cite another source in a footnote like this[1], and use `\citet{X}` within the footnote to refer to the author directly with only the date in parentheses.

- Or you can use `\citet{X}` to refer to the author directly in the inline text, again with only the date in parentheses: Einstein (1905) defends the hypothesis that radiation is quantized.

- When citing the work at the end of a caption, you probably want to use `\citep{X}` to wrap the entire citation in parentheses: Steven Weinberg did foundational work forming the Standard Model (Weinberg 1967).

- Probably fancier than necessary if using footnotes, but one can use `\citep[see][]{X}` to insert words in the citation: SUSY helps relax fine-tuning (see Martin 1997). There are some important papers in this world (*e.g.* Einstein 1905).

2.2 URLs

This is an example url: Structural Realism. Or, you can put the text of the link in the document directly: http://plato.stanford.edu/entries/structural-realism/.

2.3 Figures

Blah blah blah. See Fig. 1. And see Table 1.

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[1] Einstein (1905).

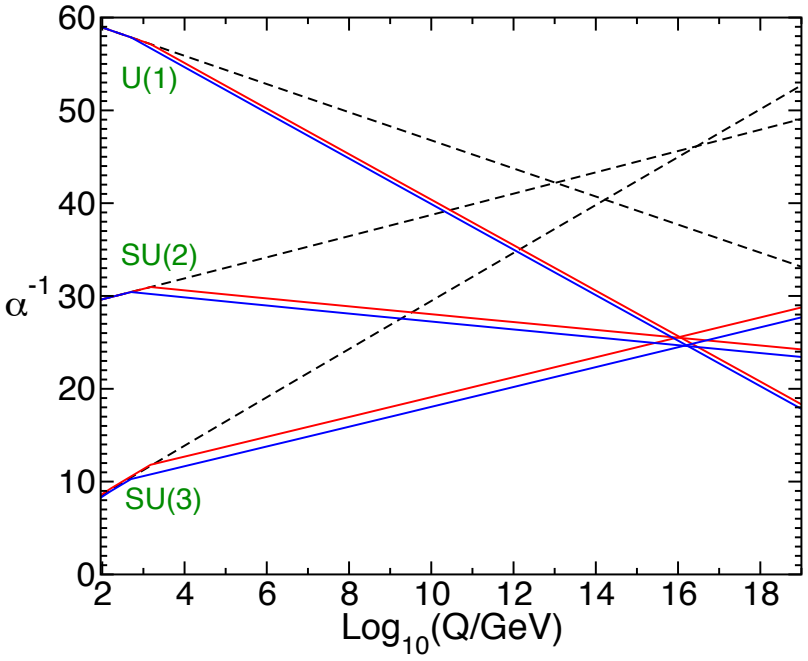

Figure 1: Two-loop renormalization group evolution of the inverse gauge couplings $\alpha^{-1}(Q)$ in the Standard Model (dashed lines) and the Minimal Supersymmetric Standard Model (MSSM, solid lines). In the MSSM case, the sparticle masses are treated as a common threshold varied between 500 GeV (blue) and 1.5 TeV (red) (Martin 1997).

Table 1: Number of readout channels per sub-detector in ATLAS for the primary sub-detectors (ignoring the minbias trigger system, luminosity monitors, and DCS sensors) (ATLAS Collaboration 2008).

inner detector	Pixels	80 M
	SCT	6.3 M
	TRT	350 k
EM calorimeter	LAr barrel	110 k
	LAr end-cap	64 k
hadronic calorimeter	tile barrel	9.8 k
	LAr end-cap	5.6 k
	LAr forward calo.	3.5 k
muon spectrometer	MDTs	350 k
	CSCs	31 k
	RPCs	370 k
	TGCs	320 k
total		88 M

2.4 Wrapfig

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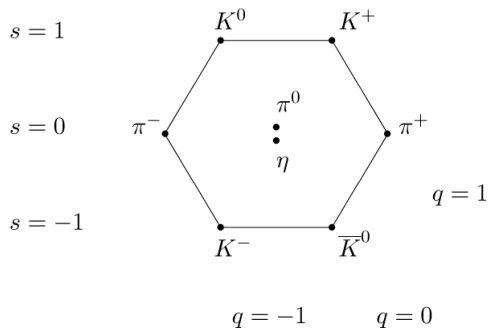

Figure 2: The lowest-energy meson octet.

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3 Conclusion

3.1 A Sub-section

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3.2 Acknowledgements

We gratefully thank many.

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