

1 This is A Tribute To The Best Title of All Time

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5 **Abstract**

6 This is the abstract

7	Contents	
8	1 Introduction	5
9	1.1 Some Helpful Pointers	5
10	1.2 Equations	5
11	1.2.1 Inline Formula	5
12	1.3 Figures	5
13	2 PØD Samples and Selections	7
14	References	8

¹⁵ **List of Figures**

¹⁶ 1 This is the abbreviated text that will appear in the List of Figures. 6

1 Introduction

1.1 Some Helpful Pointers

This section is to help those of you new to L^AT_EX and provide some (hopefully) helpful pointers that will save you time when writing. This is a reference to the Joy Of T_EX [1].

1.2 Equations

There are several different equation formats that can be used in L^AT_EX.

1.2.1 Inline Formula

If you run at 20 km/h for 5 hours, you will have run 100 km.

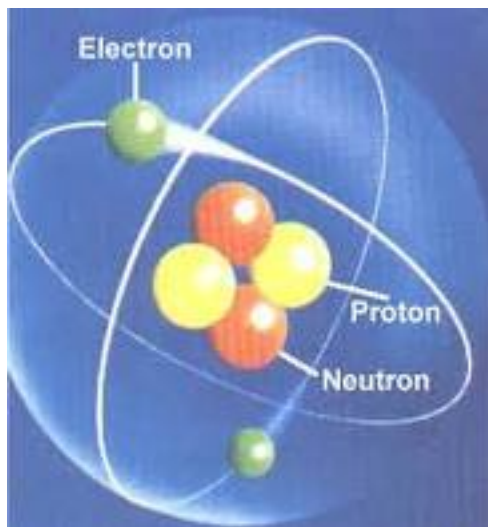
The next paragraph has begun. I will insert an align environment set of equations which has a label but no reference yet.

$$\begin{aligned} f(x, y) &= f(x) \\ &= A + Bx + Cx^2 \end{aligned} \tag{1}$$

To reference Equation 1, use the Insert>Cross-Reference option.

1.3 Figures

When adding a figure use the Insert>Float>Figure option. An abbreviated description of the figure to appear in the the List of Figures can be set using the Insert>Short Title option. Note that references will appear as [?] when this file is rendered separately. These will appear correctly when the entire document is rendered from the Thesis.lyx file.



This is an example figure. LyX will automatically convert the imported image to the correct format! An abbreviated description of the figure to appear in the the List of Figures can be set using the Insert>Short Title option.

2 PØD Samples and Selections

This section describes the development of ν_μ and $\bar{\nu}_\mu$ PØD+TPC1 CC-Inclusive selections in RHC beam configuration. The basis for these selections began with the ν_μ PØD+TPC1 CC-Inclusive selection in the FHC beam configuration which were already implemented in Psyche version 3.

References

- [1] Michael D. Spivak. *The Joy of $T_E X$* . American Mathematical Society, 1985. 5

⁴¹ **Derivation of Something**

⁴² Additional Information can go here.