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The Thesis full title

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Some text...

ABSTRACT



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Part I

Theory overview

STANDARD MODEL

“ *A very profound sentence...* ”
ITS AUTHOR

[1]
[2]
[3]

Part II

Experimental setup and performances

CHAPTER

2

THE LARGE HADRON COLLIDER

THE ATLAS EXPERIMENT

“ *The only way of discovering the limits of the possible is to
venture a little way past them into the impossible.* ”

CLARKE’S SECOND LAW

Chapter content

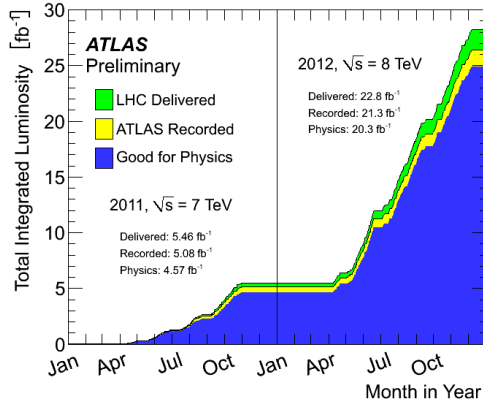
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Introduction

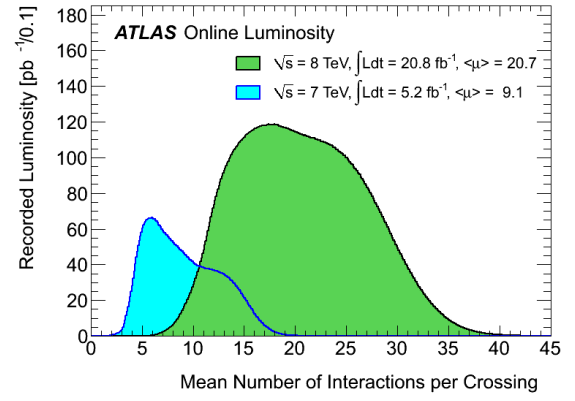
3.1 Physical goals and required performances

3.2 Physical constraints and design

3.3 Detector performances during Run I



(a) Integrated luminosity



(b) Mean number of interactions per bunch crossing

Figure 3.1: (a): luminosity delivered and recorded in ATLAS. (b): mean number of interaction per bunch crossing in 2011 and 2012 data [4].

Part III

Outlooks and conclusion

CHAPTER

4

CONCLUSION



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