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Université Paris Sud

École Doctorale PNC
Laboratoire de l'Accélérateur Linéaire

Thèse de doctorat

Soutenue le 11 juillet 2014 par

Future Doctor Name

The Thesis full title

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Some text...

Abstract

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Résumé

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1 Standard Model

“A very profound sentence...”
Its author

[1]
[2]
[3]

Part II

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Chapter

2 The Large Hadron Collider

Chapter content

2.1 Something...

[2]

Chapter

3 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

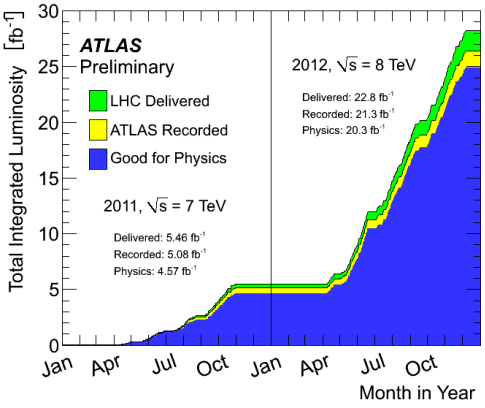
Chapter content

Introduction

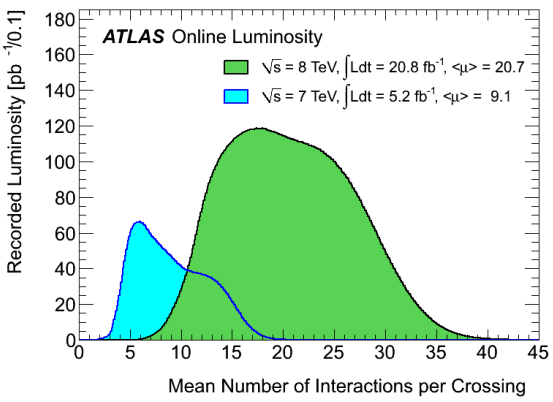
3.1 Physical goals and required performances

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

Bibliography

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